

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004983.D
 Acq On : 26 Mar 2019 19:05
 Operator : JU/SJ
 Sample : K1560-02
 Misc : LOQ 20 PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Quant Time: Mar 27 05:09:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 16:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	9262	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	40209	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	23456	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	52725	20.00	ng	0.00
76) Chrysene-d12	21.27	240	53906	20.00	ng	0.00
87) Perylene-d12	23.52	264	48996	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	69457	129.65	ng	0.00
7) Phenol-d6	6.86	99	92428	130.08	ng	0.00
23) Nitrobenzene-d5	8.84	82	55350	83.27	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	54045	142.86	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	147137	83.12	ng	0.00
79) Terphenyl-d14	19.71	244	233644	83.45	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	3778	19.352	ng	98
3) Pyridine	3.60	79	10821	19.835	ng	99
4) n-Nitrosodimethylamine	3.53	42	3269	18.380	ng	# 98
6) Aniline	7.02	93	17758	19.626	ng	100
8) 2-Chlorophenol	7.24	128	13246	19.478	ng	98
9) Benzaldehyde	6.83	77	8545	20.928	ng	99
10) Phenol	6.88	94	14926	19.604	ng	99
11) bis(2-Chloroethyl)ether	7.11	93	11604	19.709	ng	98
12) 1,3-Dichlorobenzene	7.71	146	14725	19.873	ng	99
13) 1,4-Dichlorobenzene	8.02	146	14332	19.109	ng	99
14) 1,2-Dichlorobenzene	8.02	146	14332	19.968	ng	99
15) Benzyl Alcohol	7.92	79	10470	19.368	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.19	45	14246	20.055	ng	98
17) 2-Methylphenol	8.12	107	10554	19.884	ng	99
18) Hexachloroethane	8.74	117	5181	19.490	ng	100
19) n-Nitroso-di-n-propylamine	8.48	70	9542	20.485	ng	99
20) 3+4-Methylphenols	8.45	107	14021	19.455	ng	98
22) Acetophenone	8.50	105	19195	20.913	ng	100
24) Nitrobenzene	8.88	77	13926	20.702	ng	100
25) Isophorone	9.39	82	27163	20.977	ng	99
26) 2-Nitrophenol	9.59	139	7667	19.629	ng	99
27) 2,4-Dimethylphenol	9.64	122	10993	20.215	ng	98
28) bis(2-Chloroethoxy)methane	9.88	93	16807	20.948	ng	98
29) 2,4-Dichlorophenol	10.12	162	12508	20.012	ng	99
30) 1,2,4-Trichlorobenzene	10.32	180	14021	20.365	ng	99
31) Naphthalene	10.51	128	43651	20.807	ng	100
32) Benzoic acid	9.77	122	6854	19.471	ng	98
33) 4-Chloroaniline	10.63	127	17628	20.653	ng	99
34) Hexachlorobutadiene	10.77	225	9220	20.696	ng	99
35) Caprolactam	11.41	113	4172	20.386	ng	99
36) 4-Chloro-3-methylphenol	11.76	107	13815	20.461	ng	100
37) 2-Methylnaphthalene	12.13	142	31214	21.071	ng	99
38) 1-Methylnaphthalene	12.35	142	30491	21.034	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.50	216	16884	20.294	ng	99

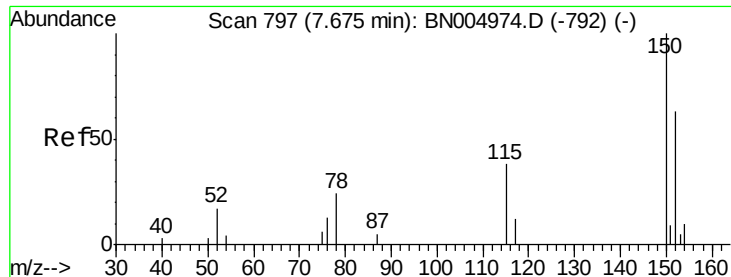
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004983.D
 Acq On : 26 Mar 2019 19:05
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 QLast Update : Tue Mar 26 16:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	7502	19.530	ng	99
43) 2,4,6-Trichlorophenol	12.75	196	10234	19.824	ng	100
44) 2,4,5-Trichlorophenol	12.83	196	11206	19.926	ng	99
46) 1,1'-Biphenyl	13.15	154	41580	20.945	ng	99
47) 2-Chloronaphthalene	13.19	162	31421	20.625	ng	99
48) 2-Nitroaniline	13.42	65	8201	20.223	ng	97
49) Acenaphthylene	14.05	152	53661	20.942	ng	99
50) Dimethylphthalate	13.78	163	40941	21.245	ng	100
51) 2,6-Dinitrotoluene	13.92	165	9160	20.889	ng	96
52) Acenaphthene	14.39	154	30376	21.074	ng	99
53) 3-Nitroaniline	14.25	138	9129	20.369	ng	98
54) 2,4-Dinitrophenol	14.46	184	3968	21.013	ng	99
55) Dibenzofuran	14.72	168	48276	21.048	ng	99
56) 4-Nitrophenol	14.56	139	6715	19.019	ng	98
57) 2,4-Dinitrotoluene	14.70	165	12534	21.033	ng	# 99
58) Fluorene	15.37	166	39542	21.342	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.95	232	10598	20.324	ng	# 99
60) Diethylphthalate	15.15	149	41143	21.395	ng	100
61) 4-Chlorophenyl-phenylether	15.37	204	20266	21.203	ng	99
62) 4-Nitroaniline	15.42	138	9296	20.644	ng	98
63) Azobenzene	15.66	77	34286	21.419	ng	99
65) 4,6-Dinitro-2-methylphenol	15.47	198	6524	20.347	ng	99
66) n-Nitrosodiphenylamine	15.59	169	34097	20.530	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	13418	20.393	ng	98
68) Hexachlorobenzene	16.37	284	15790	20.484	ng	99
69) Atrazine	16.54	200	12588	21.215	ng	99
70) Pentachlorophenol	16.72	266	7228	17.834	ng	99
71) Phenanthrene	17.12	178	62240	21.009	ng	100
72) Anthracene	17.20	178	61522	20.863	ng	100
73) Carbazole	17.49	167	56562	21.073	ng	99
74) Di-n-butylphthalate	18.03	149	69347	21.209	ng	99
75) Fluoranthene	19.14	202	72362	21.410	ng	99
77) Benzidine	19.33	184	32188	19.160	ng	97
78) Pyrene	19.50	202	74000	20.559	ng	99
80) Butylbenzylphthalate	20.40	149	29711	20.314	ng	99
81) Benzo(a)anthracene	21.26	228	69955	20.834	ng	99
82) 3,3'-Dichlorobenzidine	21.19	252	25896	20.624	ng	99
83) Chrysene	21.31	228	67171	20.944	ng	99
84) Bis(2-ethylhexyl)phthalate	21.17	149	41988	20.749	ng	100
85) Di-n-octyl phthalate	22.05	149	66990	20.513	ng	100
86) Indeno(1,2,3-cd)pyrene	25.77	276	66044	18.125	ng	100
88) Benzo(b)fluoranthene	22.84	252	66349	22.000	ng	99
89) Benzo(k)fluoranthene	22.88	252	57868	20.924	ng	98
90) Benzo(a)pyrene	23.42	252	57788	20.939	ng	99
91) Dibenzo(a,h)anthracene	25.78	278	54553	19.690	ng	99
92) Benzo(g,h,i)perylene	26.47	276	52672	19.223	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

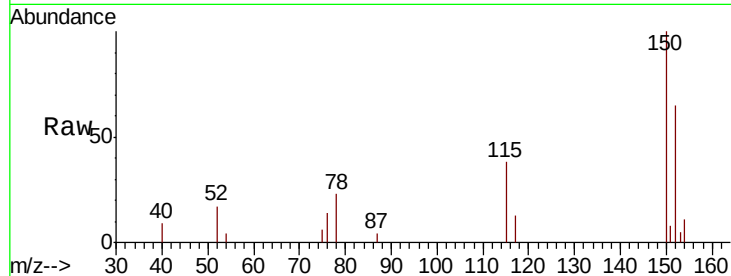


#1

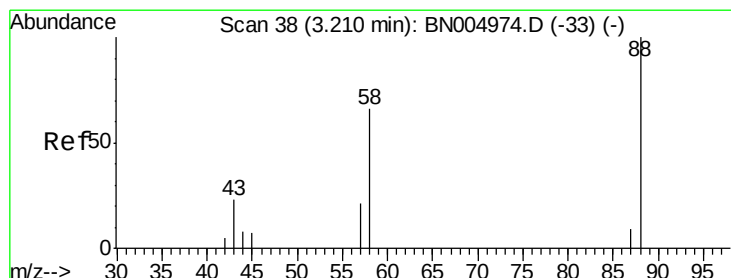
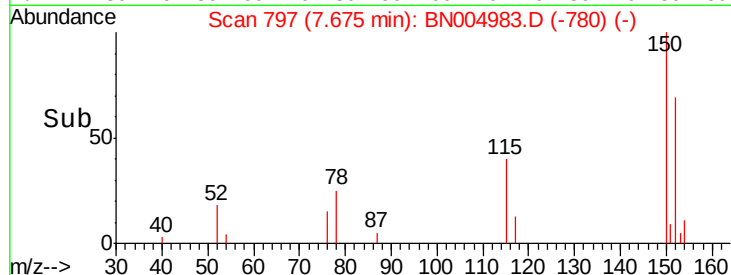
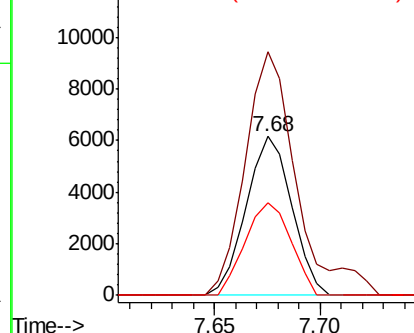
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion: 152 Resp: 9262
Ion Ratio Lower Upper
152 100
150 153.5 126.9 190.3
115 58.2 47.8 71.6



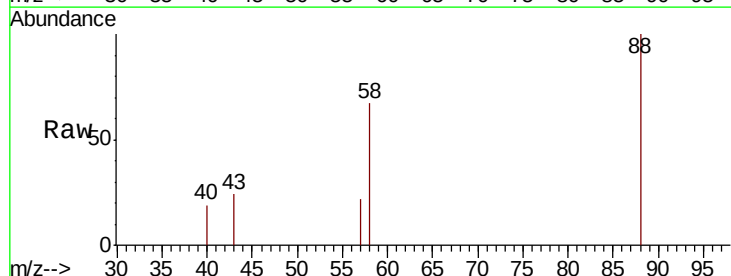
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



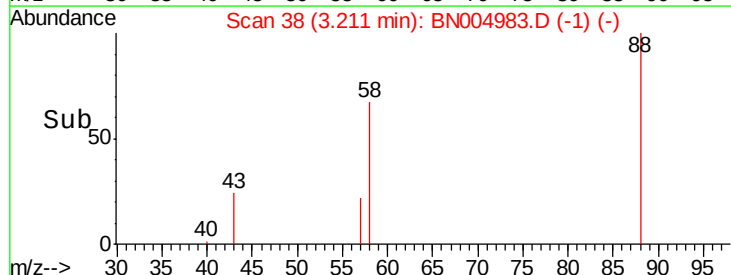
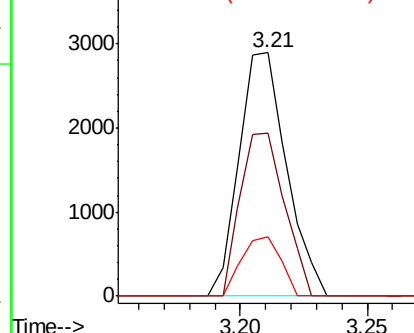
#2

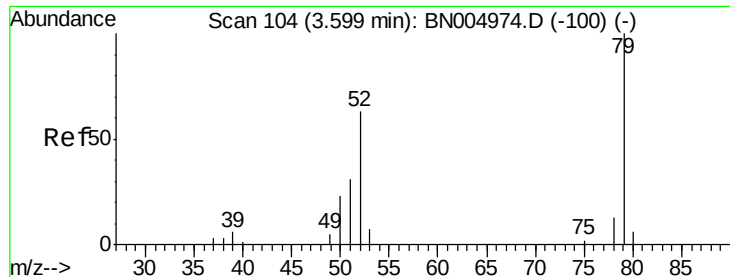
1,4-Dioxane
Concen: 19.352 ng
RT: 3.21 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion: 88 Resp: 3778
Ion Ratio Lower Upper
88 100
58 62.2 51.0 76.6
43 20.0 16.7 25.1



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

Pyridine

Concen: 19.835 ng

RT: 3.60 min Scan# 104

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

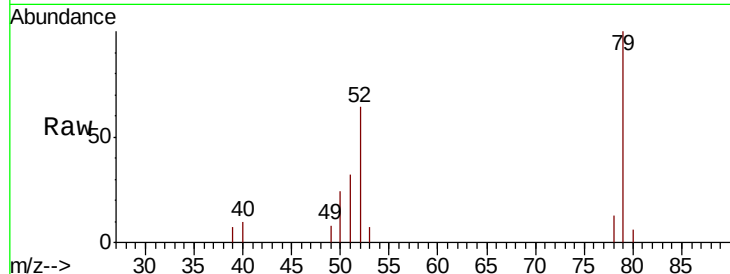
Tgt Ion: 79 Resp: 10821

Ion Ratio Lower Upper

79 100

52 63.7 50.2 75.4

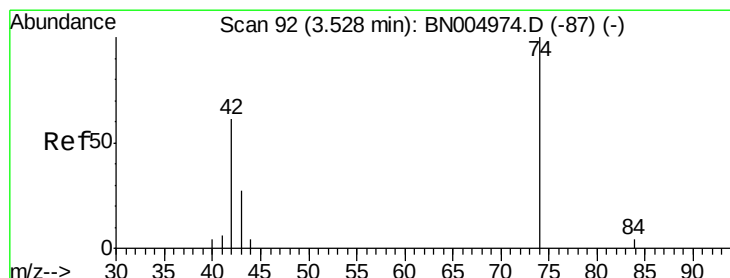
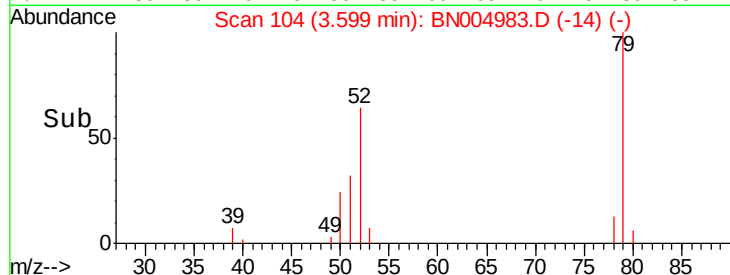
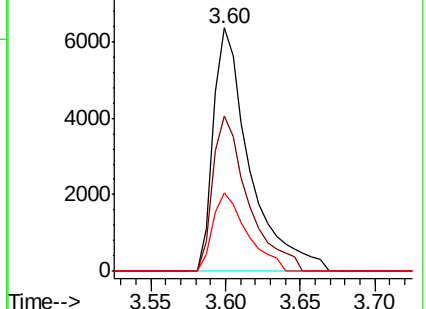
51 32.3 25.0 37.4



Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-100) (-)

Ion 52.00 (51.70 to 52.70): BN004974.D (-100) (-)

Ion 51.00 (50.70 to 51.70): BN004974.D (-100) (-)



#4

n-Nitrosodimethylamine

Concen: 18.380 ng

RT: 3.53 min Scan# 92

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

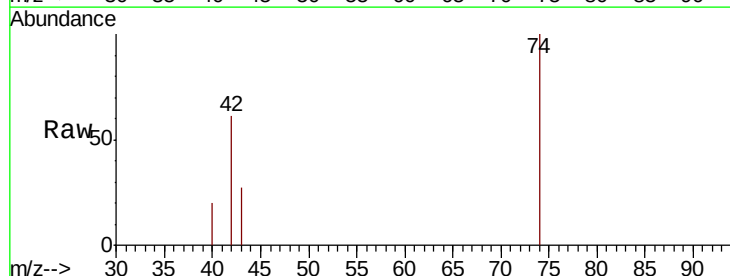
Tgt Ion: 42 Resp: 3269

Ion Ratio Lower Upper

42 100

74 164.8 130.8 196.2

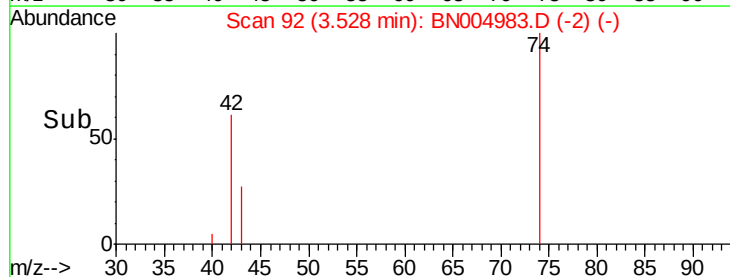
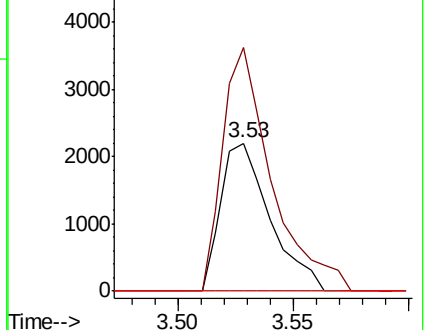
44 0.0 5.7 8.5#

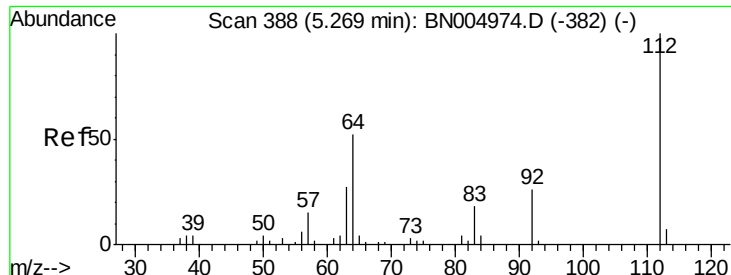


Abundance Ion 42.00 (41.70 to 42.70): BN004974.D (-87) (-)

Ion 74.00 (73.70 to 74.70): BN004974.D (-87) (-)

Ion 44.00 (43.70 to 44.70): BN004974.D (-87) (-)





#5

2-Fluorophenol

Concen: 129.652 ng

RT: 5.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

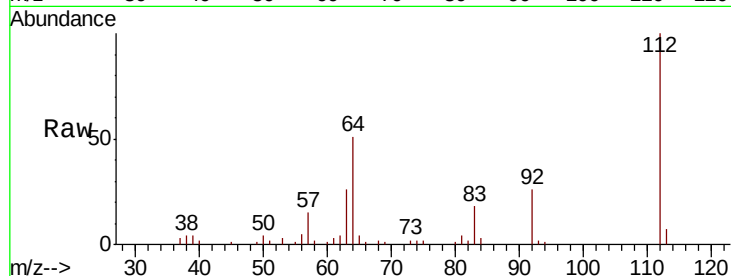
Tgt Ion: 112 Resp: 69457

Ion Ratio Lower Upper

112 100

64 51.4 41.9 62.9

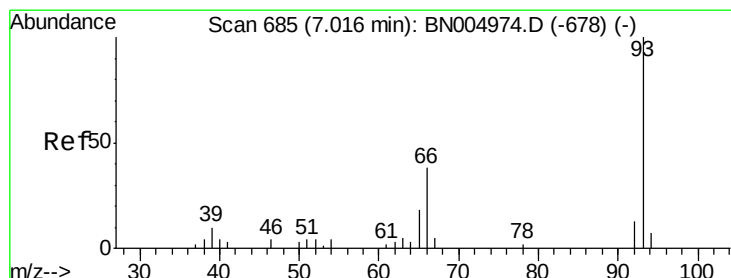
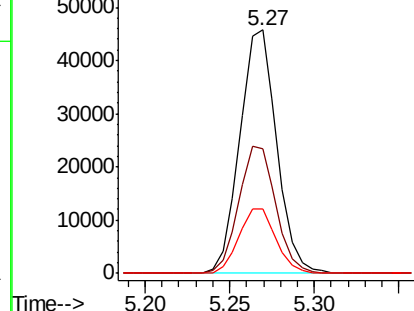
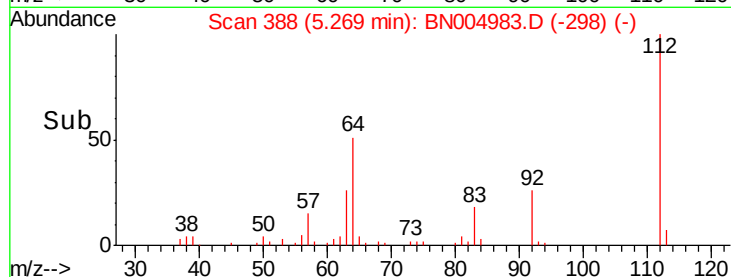
63 26.2 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 19.626 ng

RT: 7.02 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

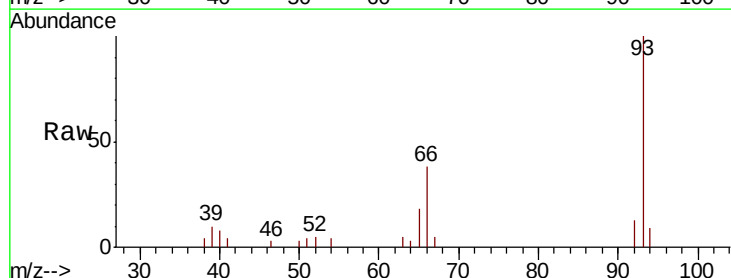
Tgt Ion: 93 Resp: 17758

Ion Ratio Lower Upper

93 100

66 37.8 30.2 45.4

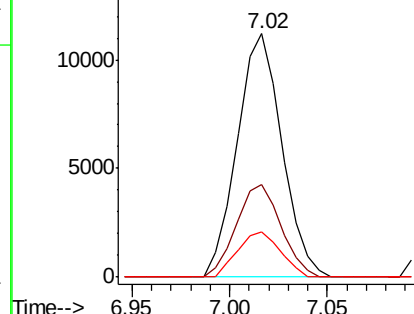
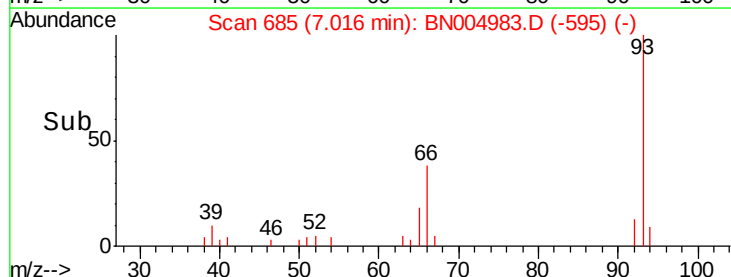
65 18.4 14.7 22.1

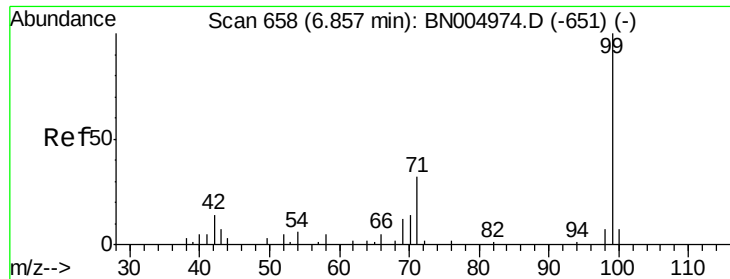


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 130.081 ng

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

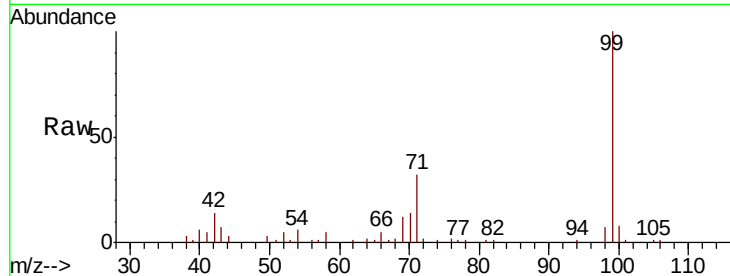
Tgt Ion: 99 Resp: 92428

Ion Ratio Lower Upper

99 100

42 14.3 11.4 17.0

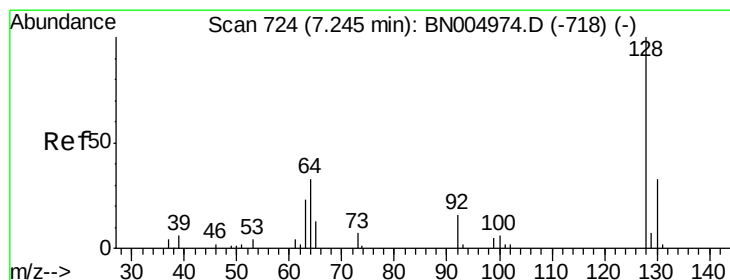
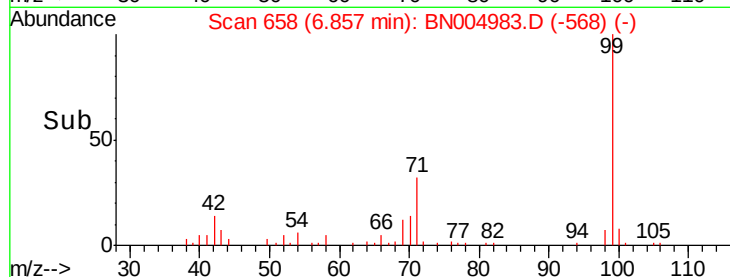
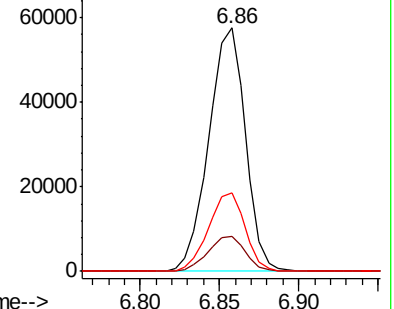
71 32.3 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



#8

2-Chlorophenol

Concen: 19.478 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

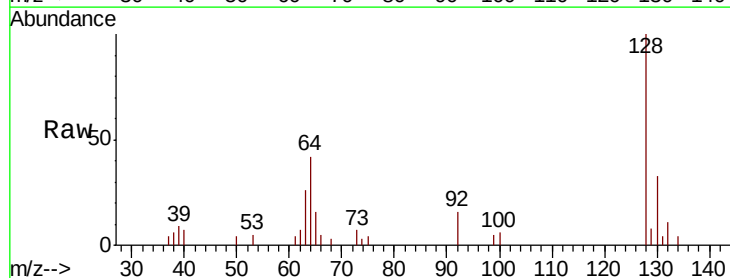
Tgt Ion: 128 Resp: 13246

Ion Ratio Lower Upper

128 100

130 33.4 12.9 52.9

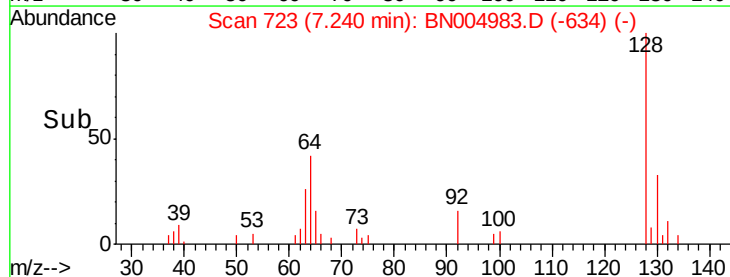
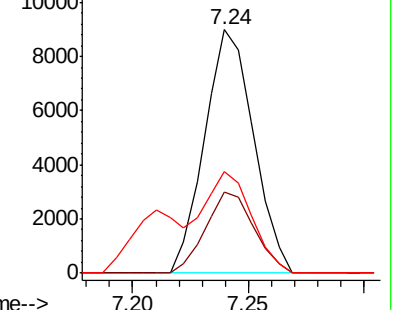
64 41.6 19.9 59.9

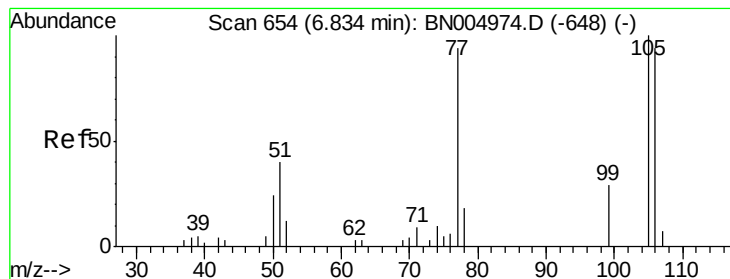


Abundance Ion 128.00 (127.70 to 128.70): BN004974.D (-718) (-)

Ion 130.00 (129.70 to 130.70): BN004974.D (-718) (-)

Ion 64.00 (63.70 to 64.70): BN004974.D (-718) (-)





#9

Benzaldehyde

Concen: 20.928 ng

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

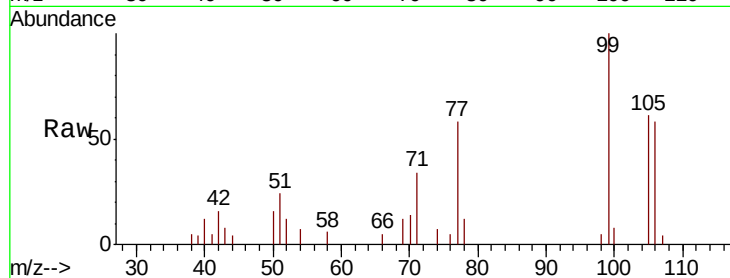
Tgt Ion: 77 Resp: 8545

Ion Ratio Lower Upper

77 100

105 105.0 86.1 126.1

106 99.4 79.9 119.9

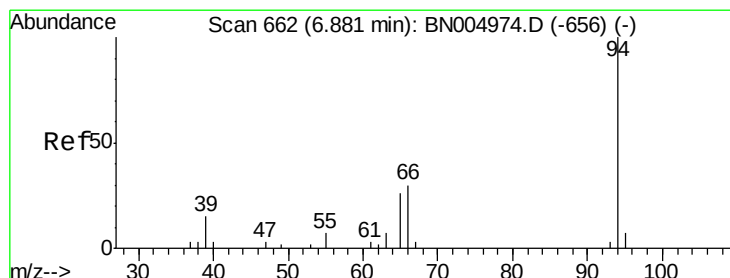
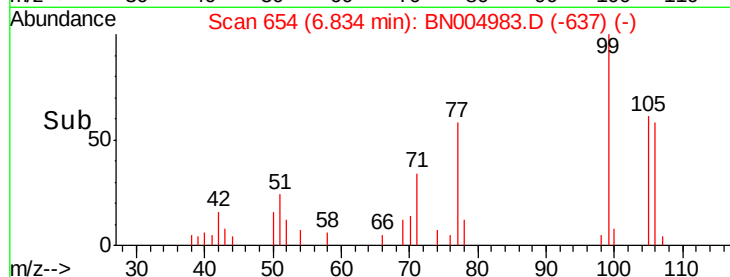
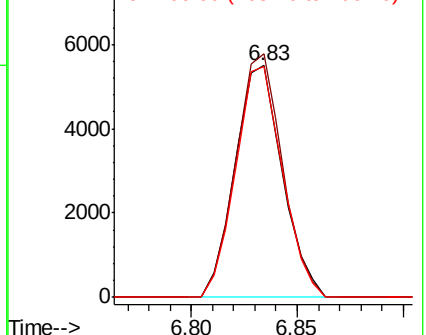


Abundance

Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 19.604 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

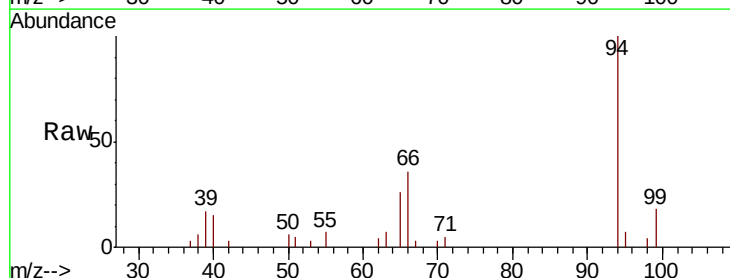
Tgt Ion: 94 Resp: 14926

Ion Ratio Lower Upper

94 100

65 25.8 5.7 45.7

66 36.0 14.8 54.8

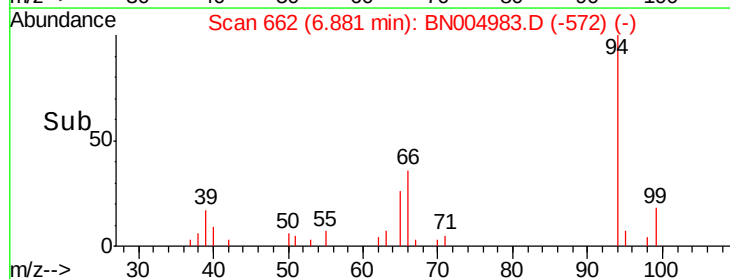
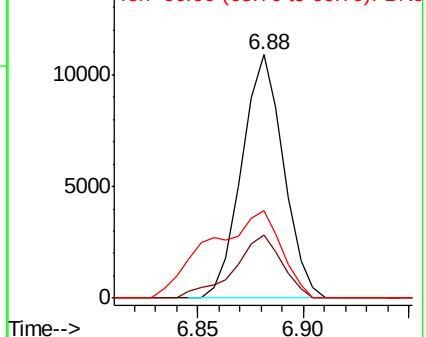


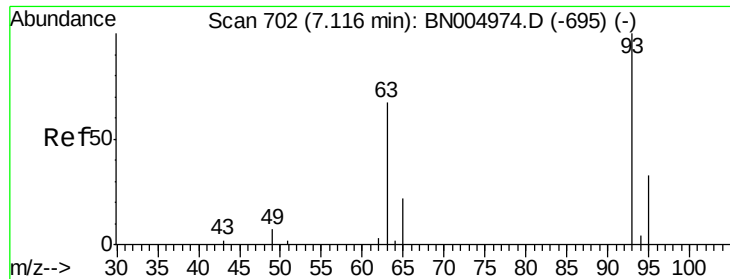
Abundance

Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0





#11

bis(2-Chloroethyl)ether

Concen: 19.709 ng

RT: 7.11 min Scan# 701

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

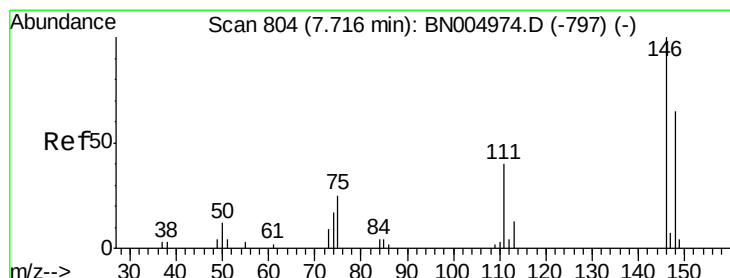
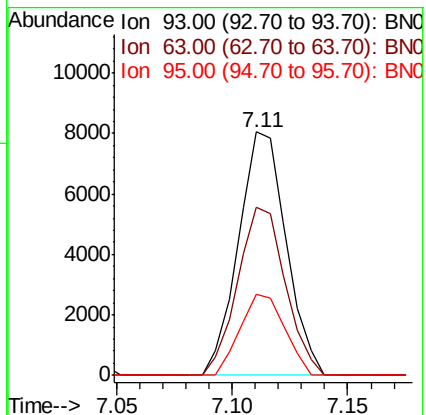
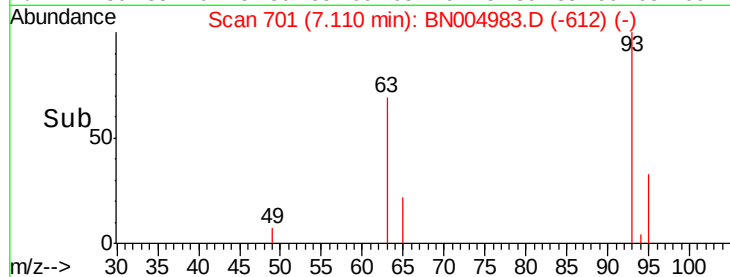
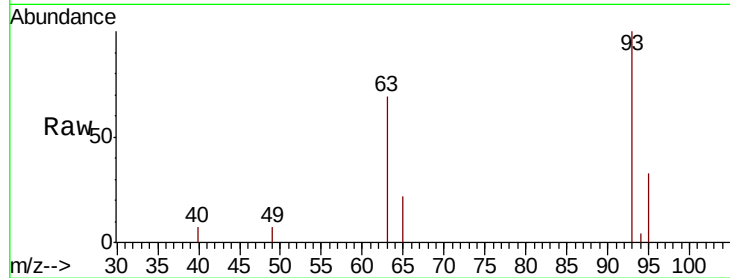
Tgt Ion: 93 Resp: 11604

Ion Ratio Lower Upper

93 100

63 68.8 47.0 87.0

95 33.1 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 19.873 ng

RT: 7.71 min Scan# 803

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

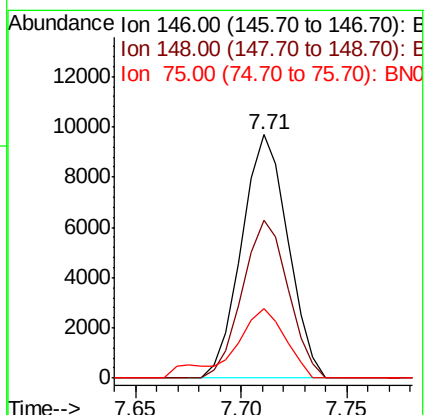
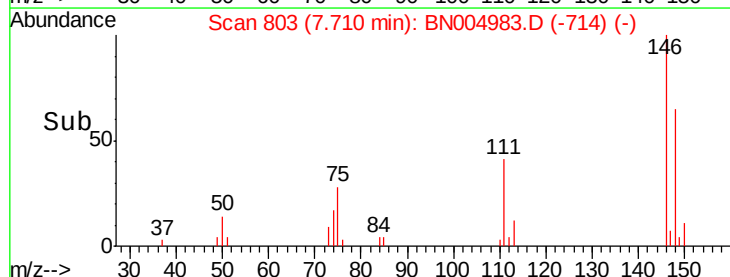
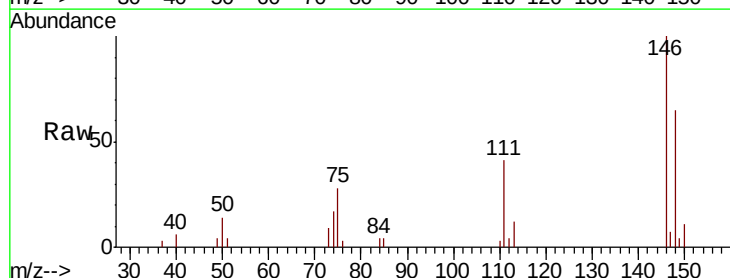
Tgt Ion: 146 Resp: 14725

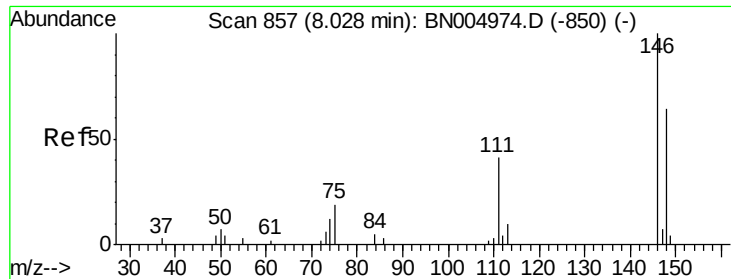
Ion Ratio Lower Upper

146 100

148 64.7 52.0 78.0

75 28.3 22.0 33.0

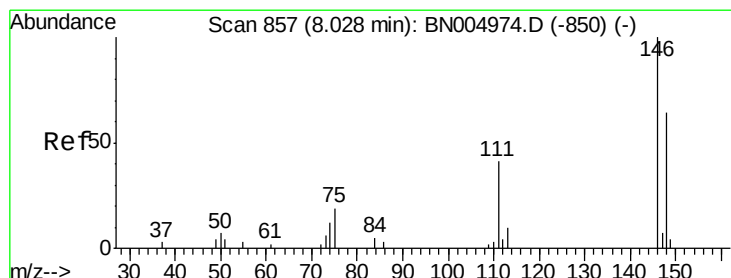
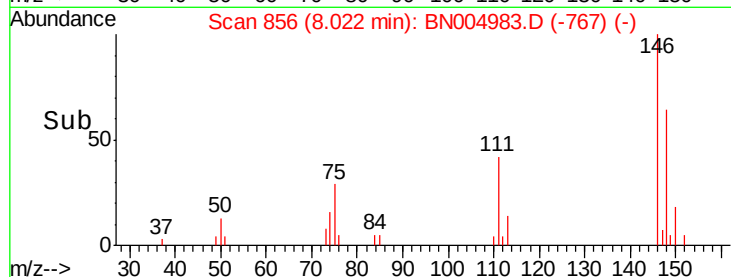
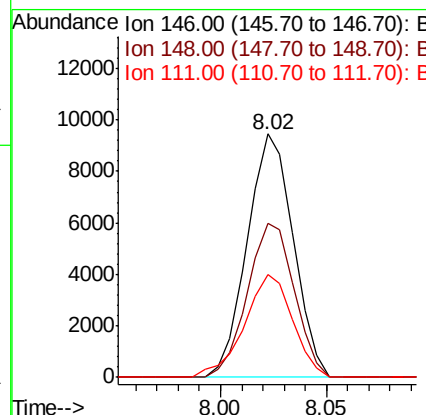
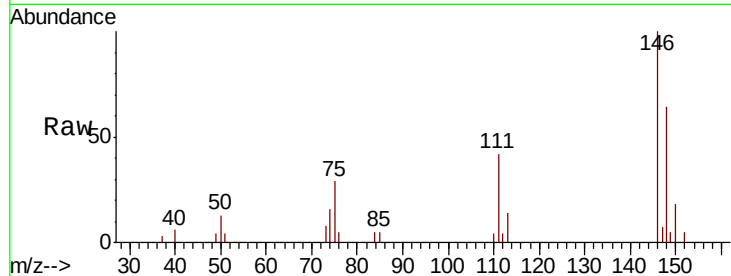




#13
 1,4-Dichlorobenzene
 Concen: 19.109 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

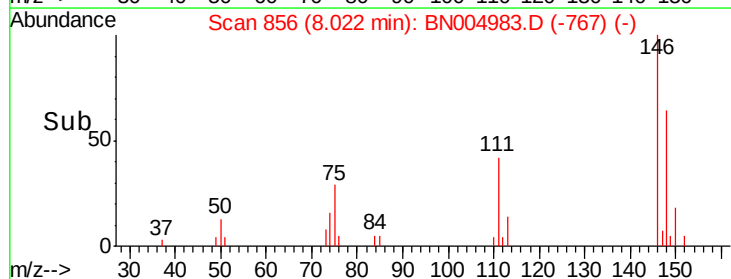
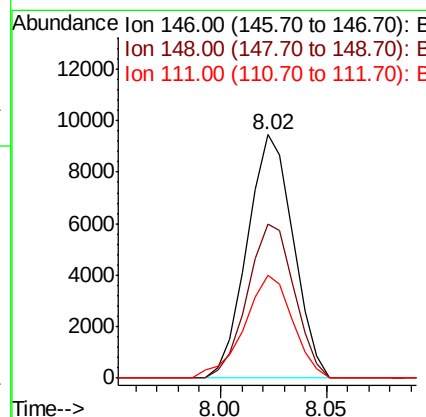
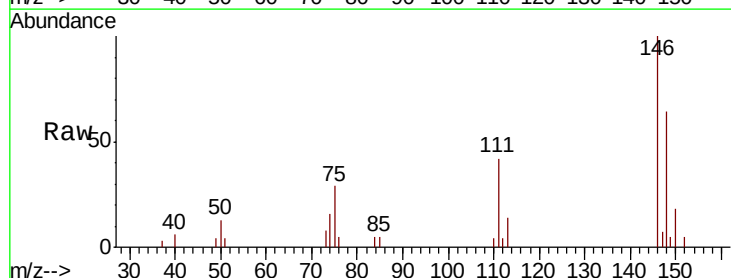
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

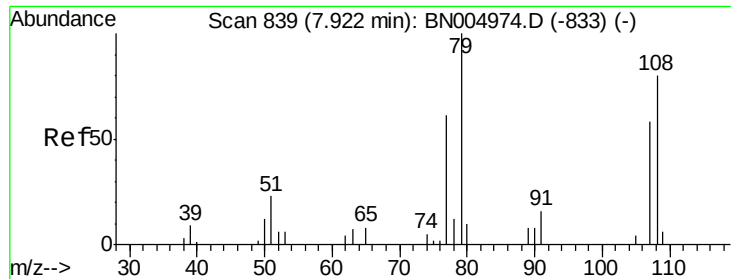
Tgt Ion:146 Resp: 14332
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.4 77.2
 111 42.1 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 19.968 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:146 Resp: 14332
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.4 77.2
 111 42.1 32.6 49.0

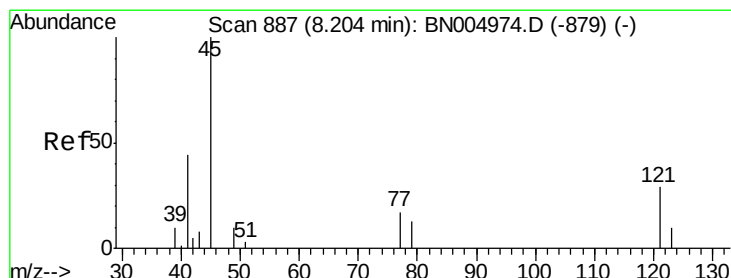
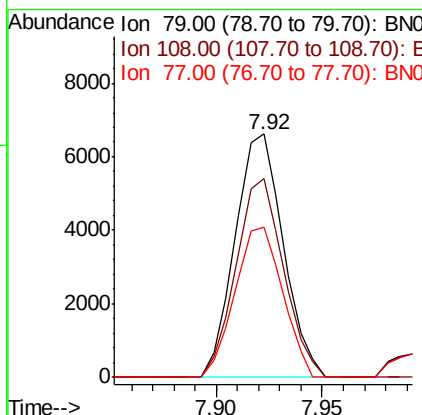
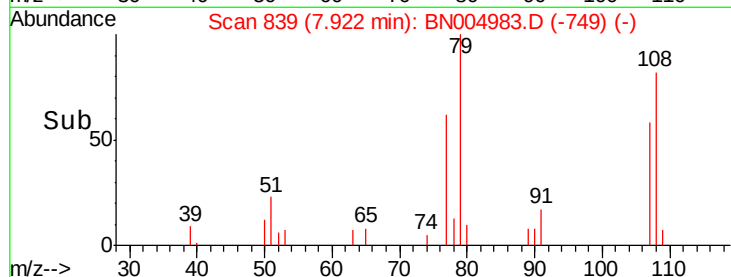
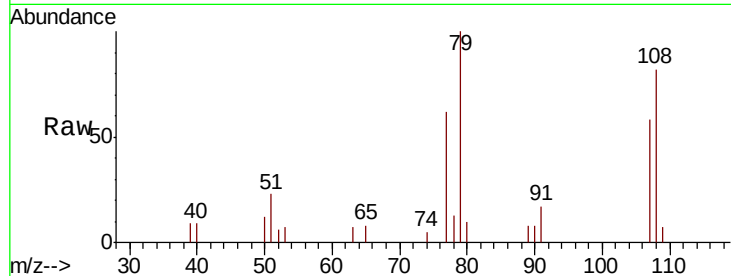




#15
Benzyl Alcohol
Concen: 19.368 ng
RT: 7.92 min Scan# 839
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

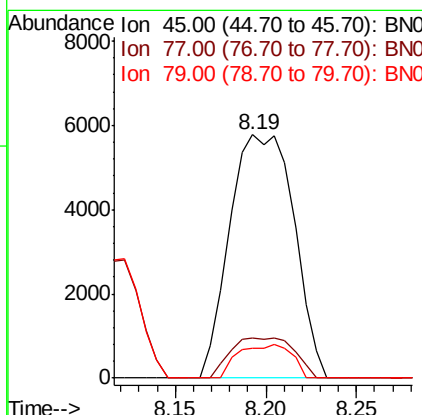
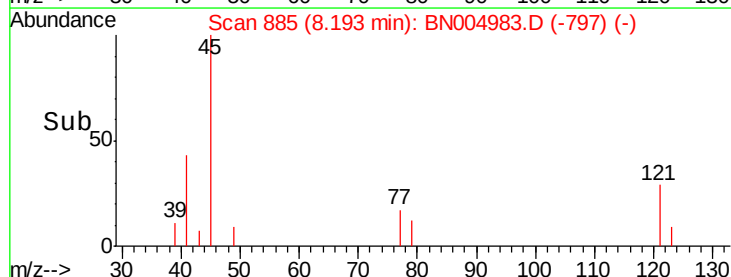
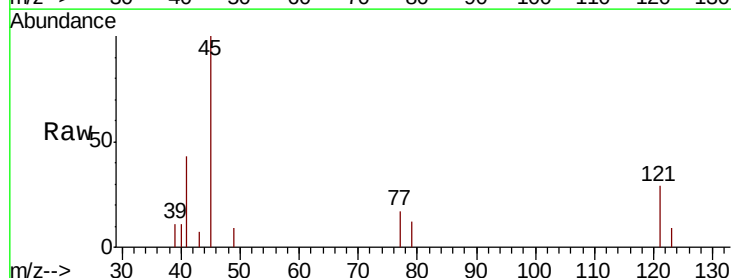
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

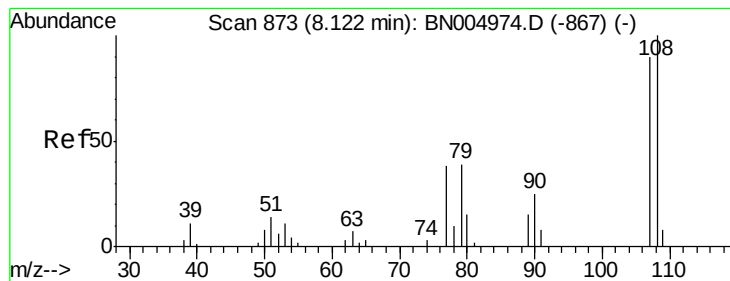
Tgt Ion: 79 Resp: 10470
Ion Ratio Lower Upper
79 100
108 81.6 64.0 96.0
77 61.6 48.8 73.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.055 ng
RT: 8.19 min Scan# 885
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion: 45 Resp: 14246
Ion Ratio Lower Upper
45 100
77 16.7 0.0 36.9
79 12.2 0.0 33.3





#17

2-Methylphenol

Concen: 19.884 ng

RT: 8.12 min Scan# 873

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:107 Resp: 10554

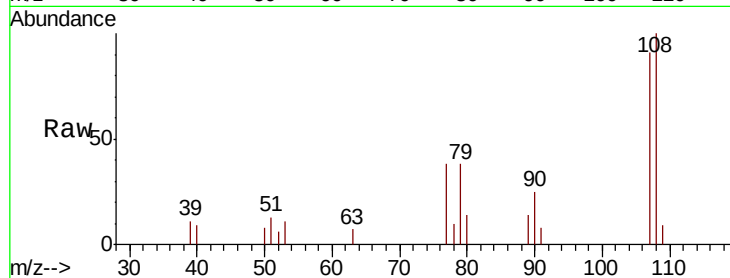
Ion Ratio Lower Upper

107 100

108 110.5 88.8 133.2

77 41.6 34.2 51.2

79 42.0 34.8 52.2

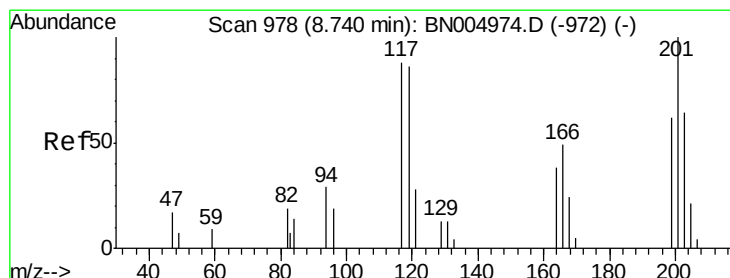
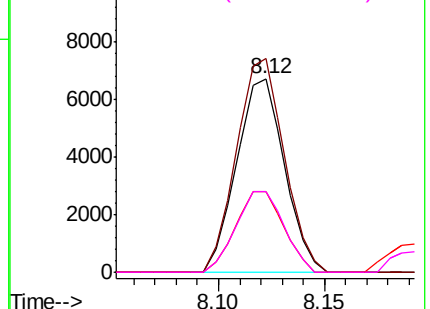
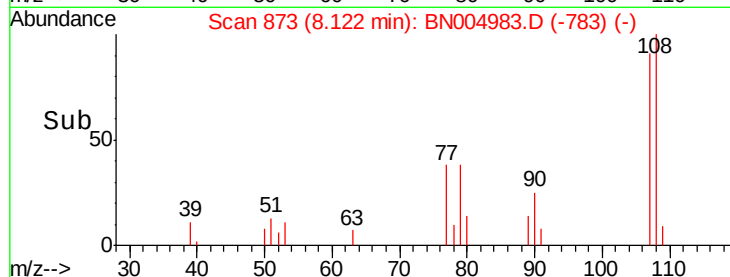


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18

Hexachloroethane

Concen: 19.490 ng

RT: 8.74 min Scan# 978

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

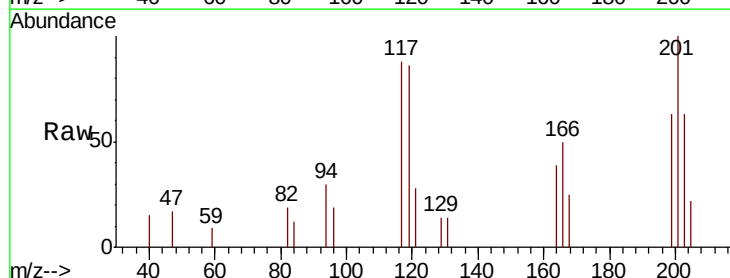
Tgt Ion:117 Resp: 5181

Ion Ratio Lower Upper

117 100

119 97.5 77.5 116.3

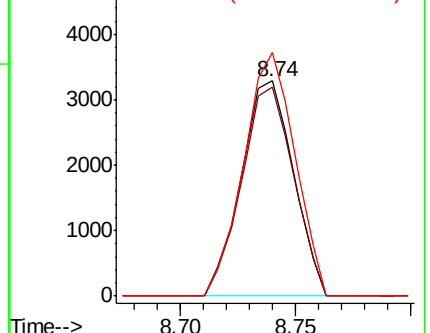
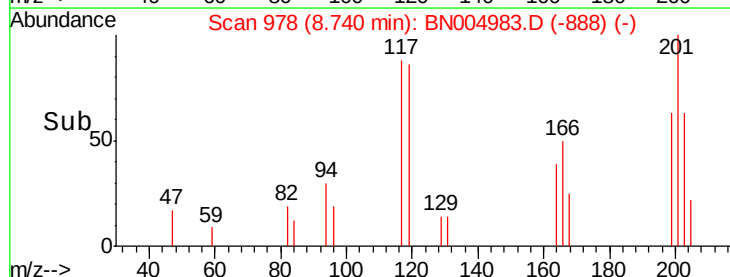
201 113.2 90.5 135.7

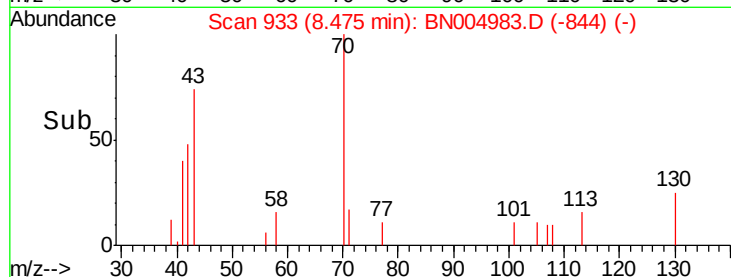
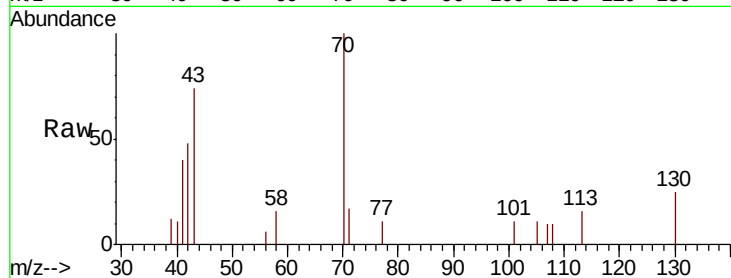
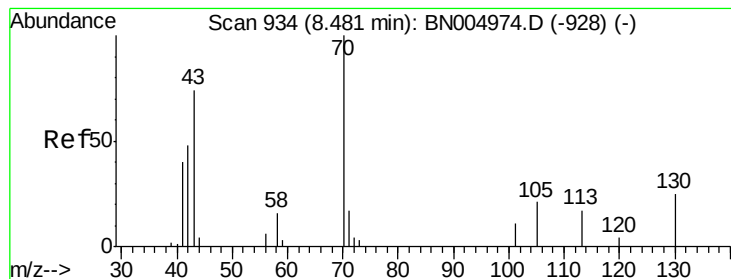


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 20.485 ng

RT: 8.48 min Scan# 933

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 70 Resp: 9542

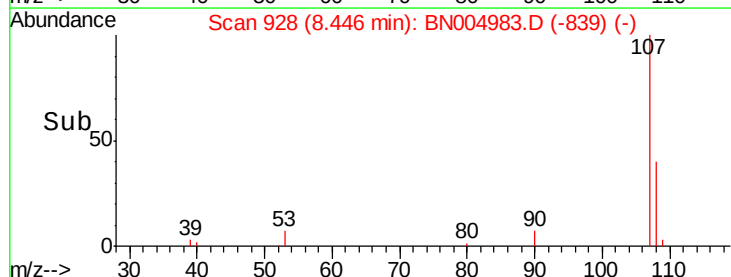
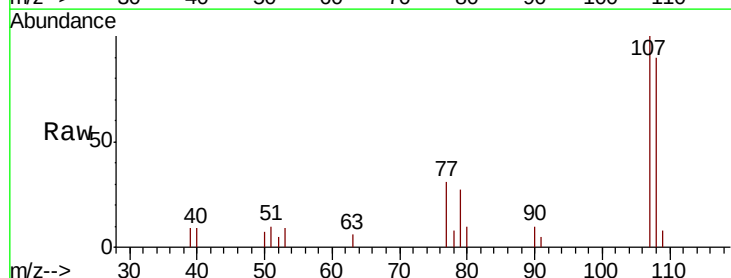
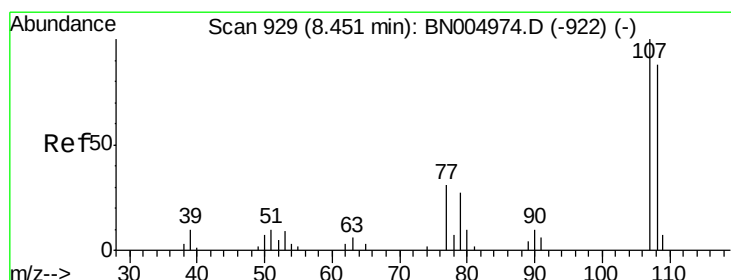
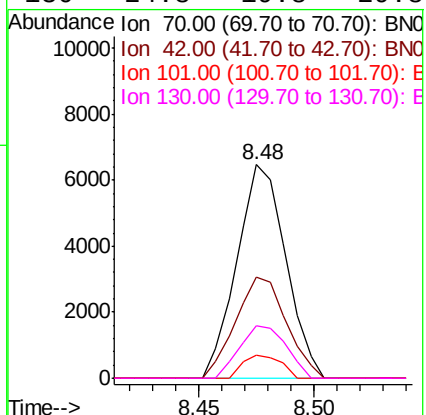
Ion Ratio Lower Upper

70 100

42 47.6 38.4 57.6

101 10.5 8.8 13.2

130 24.8 19.8 29.8



#20

3+4-Methylphenols

Concen: 19.455 ng

RT: 8.45 min Scan# 928

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Tgt Ion: 107 Resp: 14021

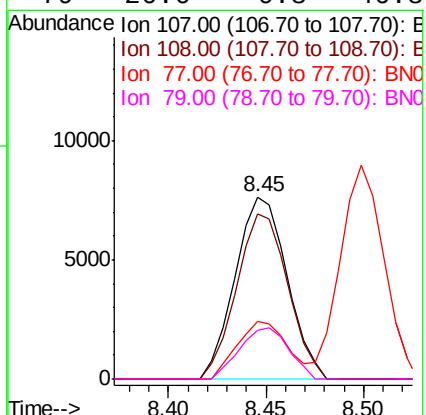
Ion Ratio Lower Upper

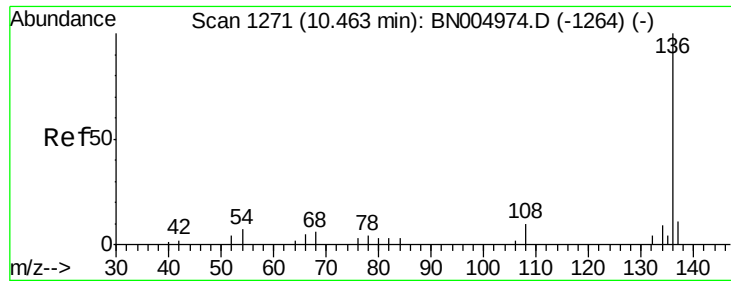
107 100

108 90.4 67.9 107.9

77 31.4 10.6 50.6

79 26.6 6.8 46.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:136 Resp: 40209

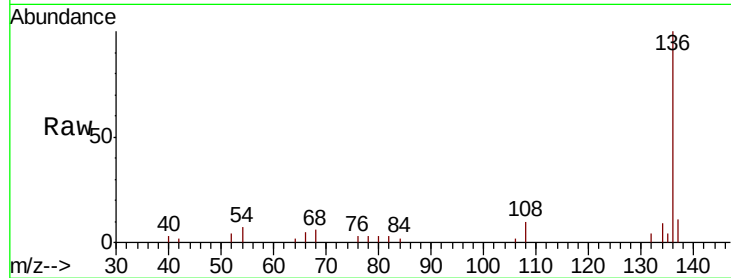
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.0 5.3 7.9

68 5.5 4.6 6.8

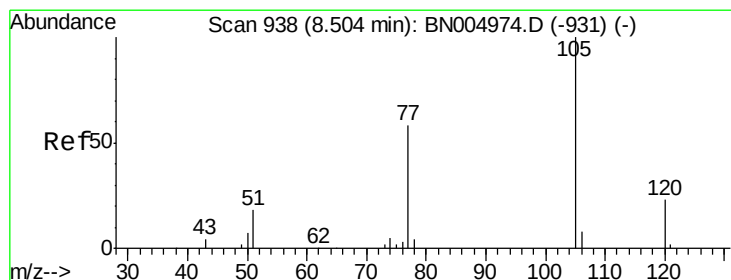
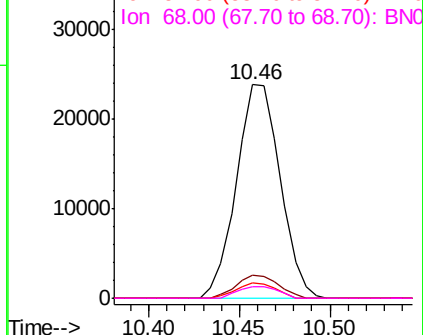
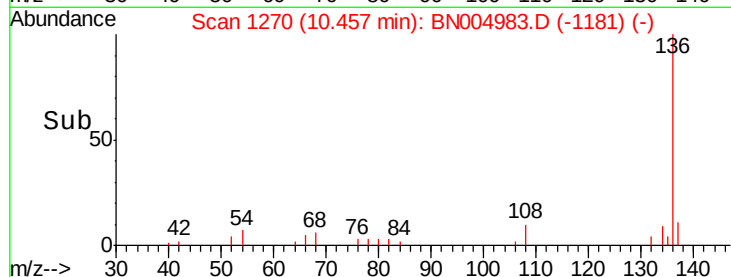


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#22

Acetophenone

Concen: 20.913 ng

RT: 8.50 min Scan# 937

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Tgt Ion:105 Resp: 19195

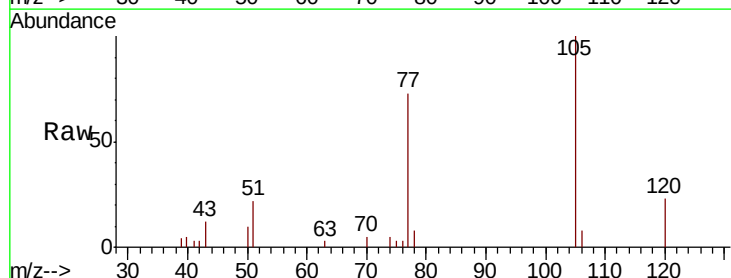
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 22.2 17.8 26.8

120 22.9 18.6 27.8

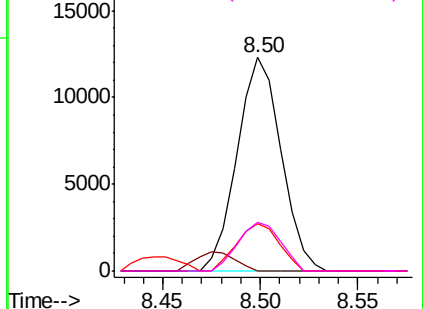
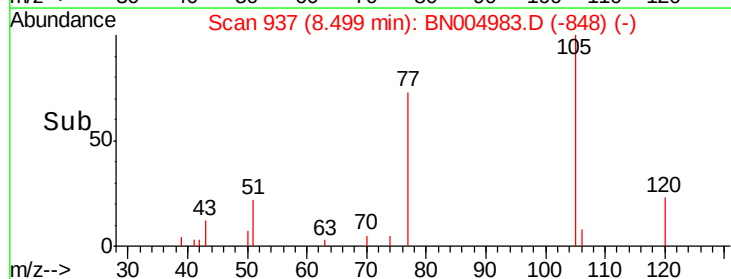


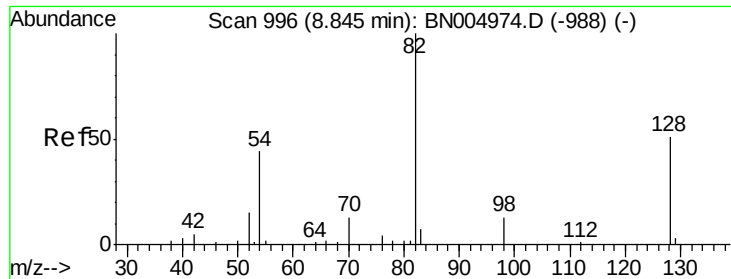
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

Ion 120.00 (119.70 to 120.70): E

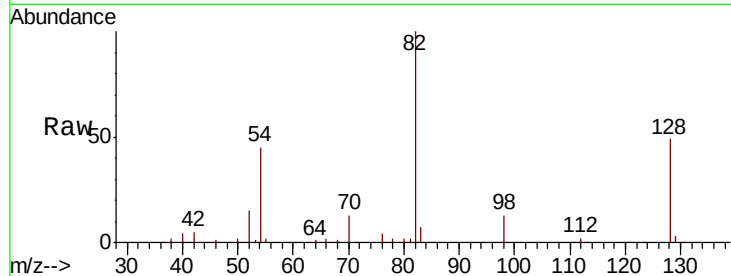




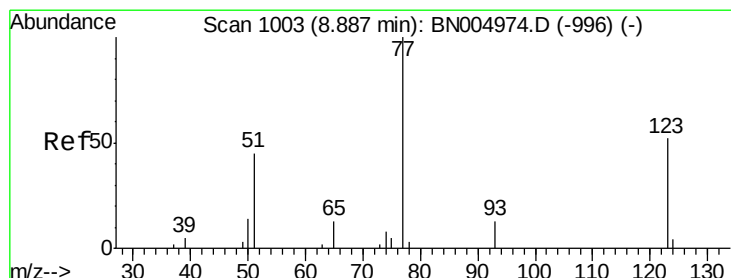
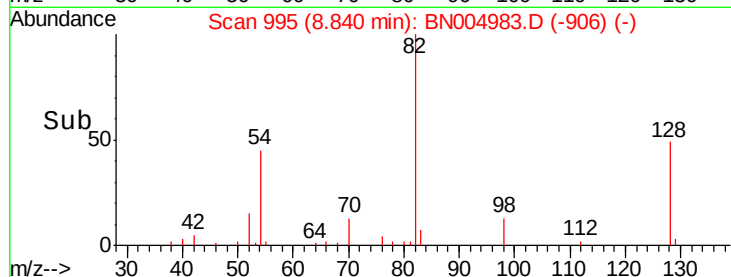
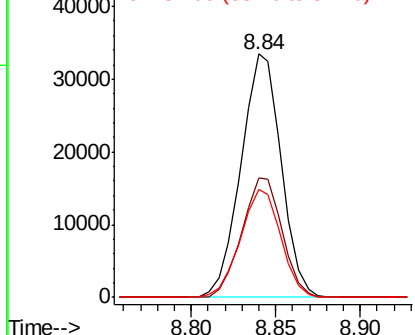
#23
Nitrobenzene-d5
Concen: 83.270 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion: 82 Resp: 55350
Ion Ratio Lower Upper
82 100
128 49.2 40.6 60.8
54 44.5 35.2 52.8

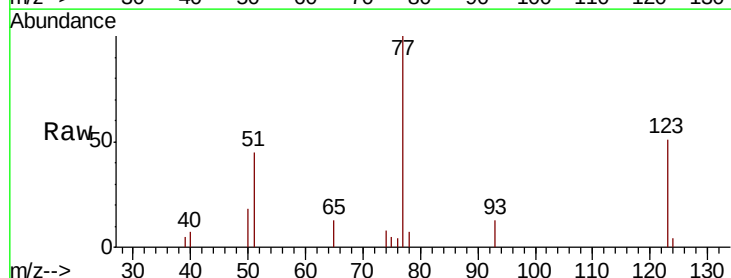


Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0

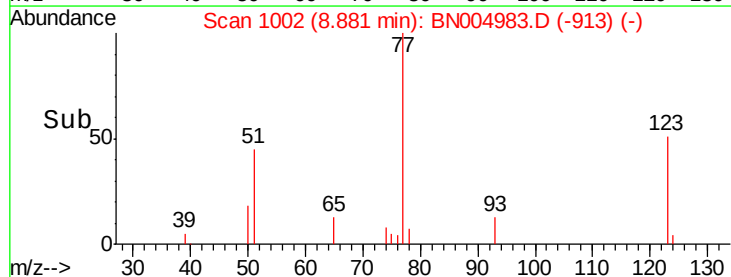
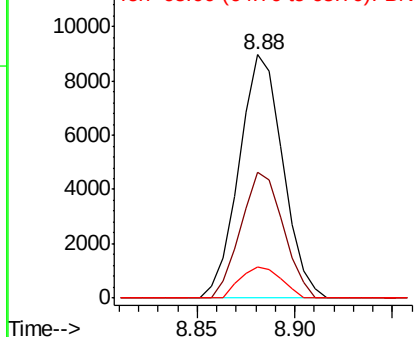


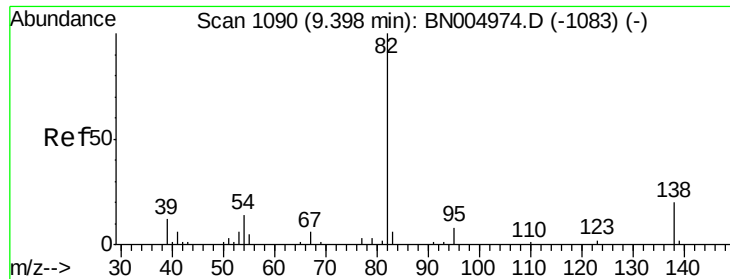
#24
Nitrobenzene
Concen: 20.702 ng
RT: 8.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion: 77 Resp: 13926
Ion Ratio Lower Upper
77 100
123 51.5 41.3 61.9
65 12.8 10.3 15.5



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BN0





#25

Isophorone

Concen: 20.977 ng

RT: 9.39 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

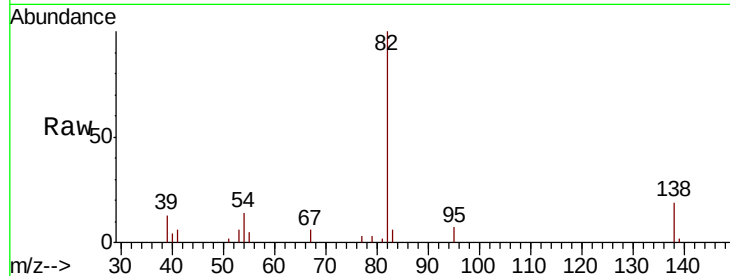
Tgt Ion: 82 Resp: 27163

Ion Ratio Lower Upper

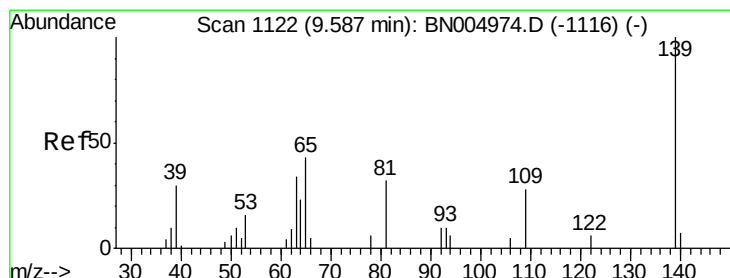
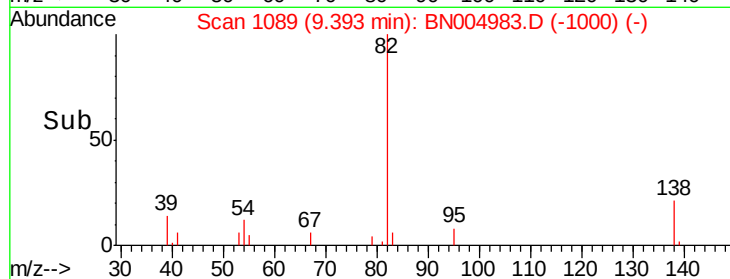
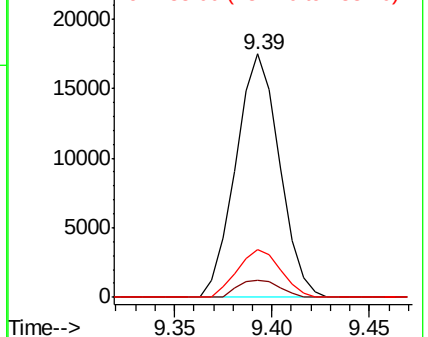
82 100

95 7.2 6.1 9.1

138 19.5 16.2 24.2



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 138.00 (137.70 to 138.70): BNC



#26

2-Nitrophenol

Concen: 19.629 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

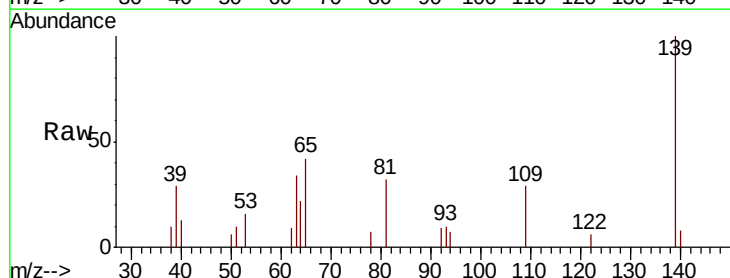
Tgt Ion: 139 Resp: 7667

Ion Ratio Lower Upper

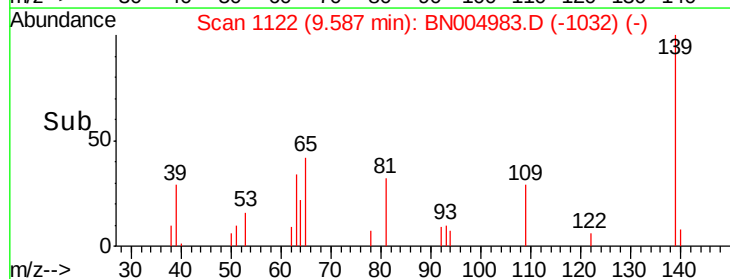
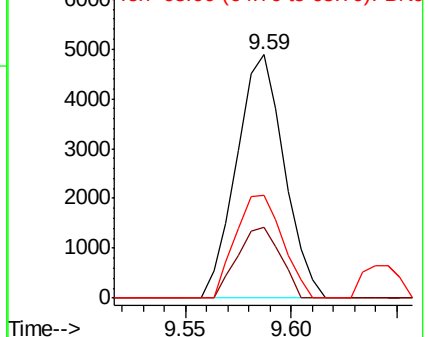
139 100

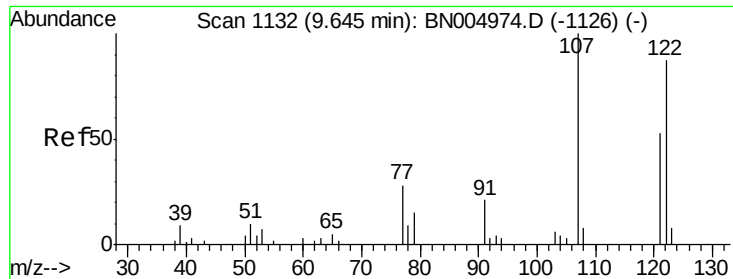
109 29.0 22.5 33.7

65 42.4 34.2 51.4



Abundance Ion 139.00 (138.70 to 139.70): BNC
Ion 109.00 (108.70 to 109.70): BNC
Ion 65.00 (64.70 to 65.70): BNC

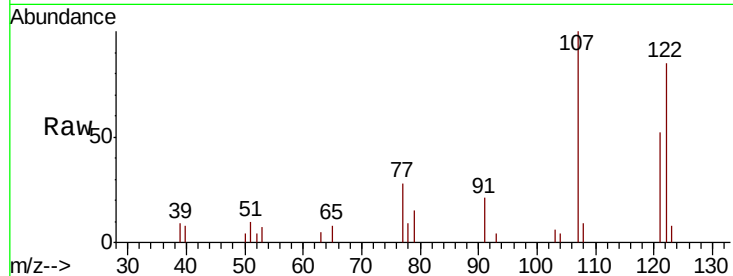




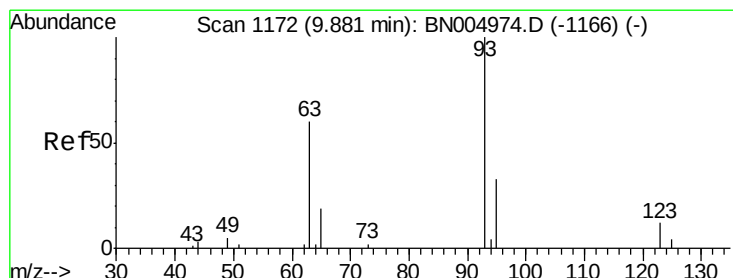
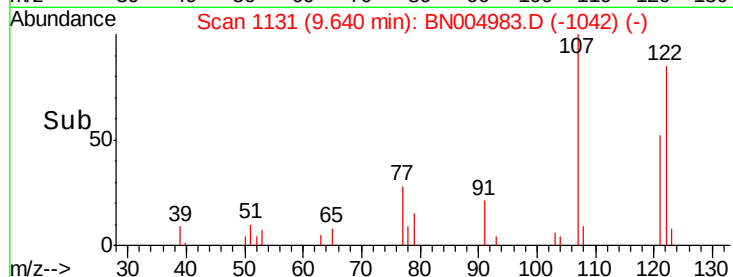
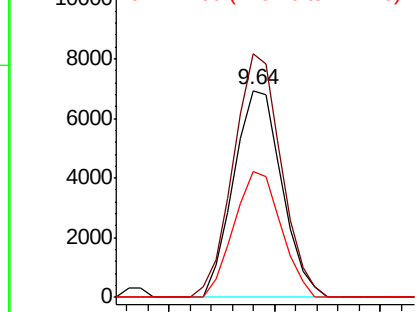
#27
2,4-Dimethylphenol
Concen: 20.215 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:122 Resp: 10993
Ion Ratio Lower Upper
122 100
107 117.6 91.6 137.4
121 60.8 48.2 72.2

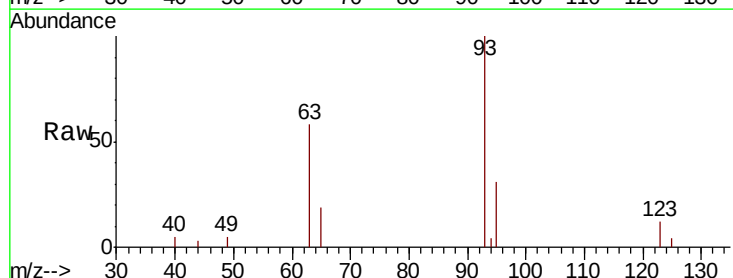


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

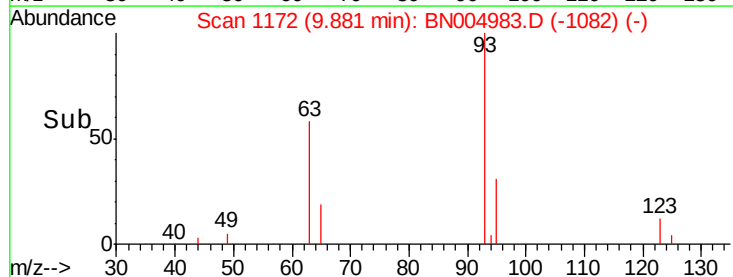
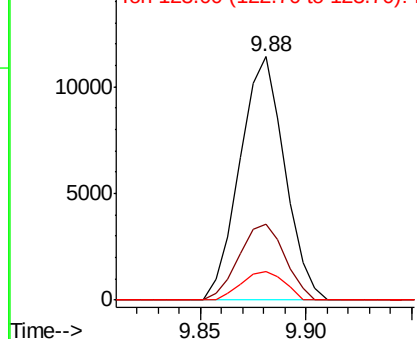


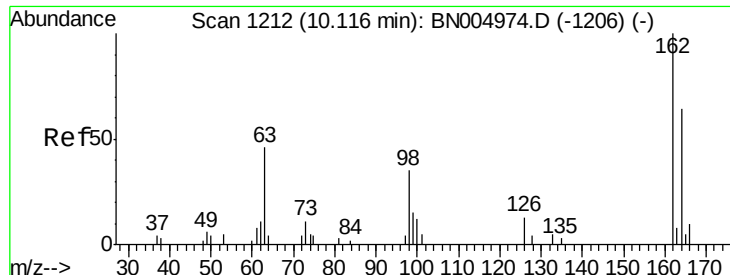
#28
bis(2-Chloroethoxy)methane
Concen: 20.948 ng
RT: 9.88 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion: 93 Resp: 16807
Ion Ratio Lower Upper
93 100
95 31.4 26.2 39.4
123 11.8 9.8 14.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 20.012 ng

RT: 10.12 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

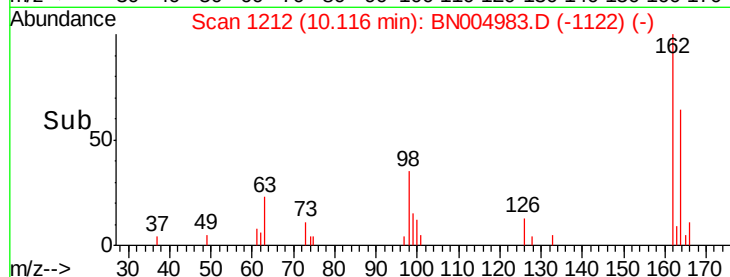
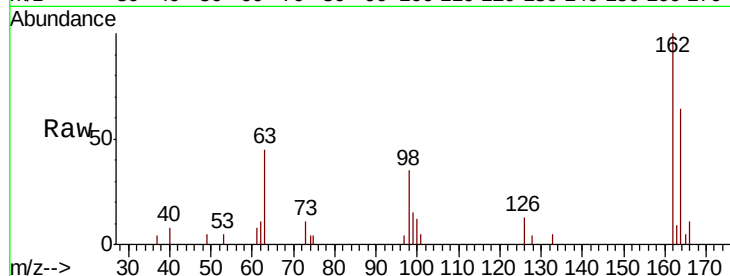
Tgt Ion:162 Resp: 12508

Ion Ratio Lower Upper

162 100

164 64.0 44.3 84.3

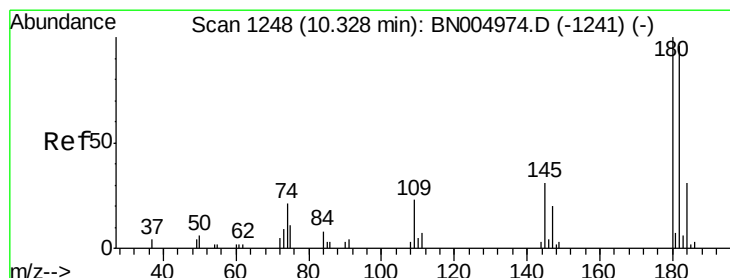
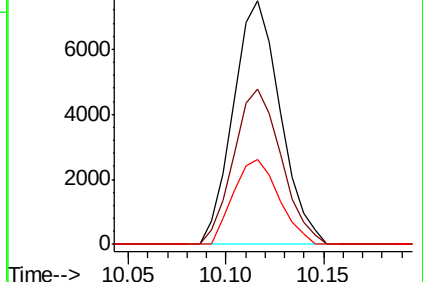
98 34.7 15.3 55.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#30

1,2,4-Trichlorobenzene

Concen: 20.365 ng

RT: 10.32 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

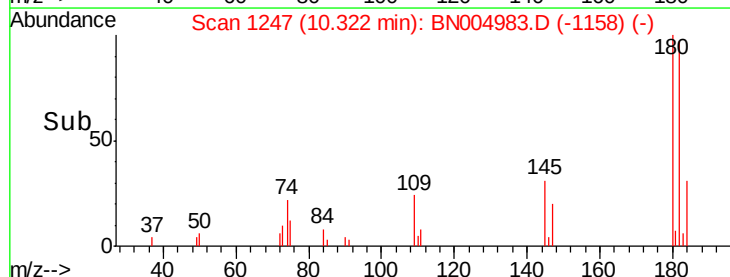
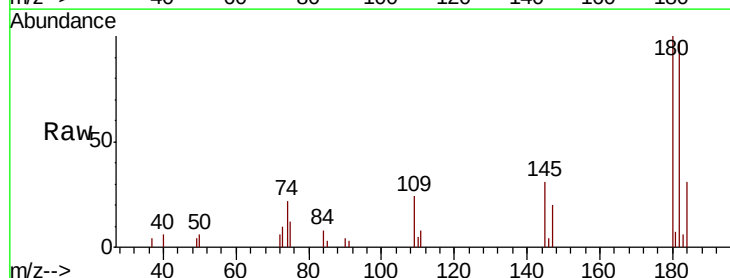
Tgt Ion:180 Resp: 14021

Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

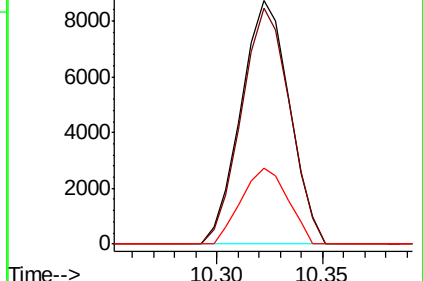
145 31.3 24.6 37.0

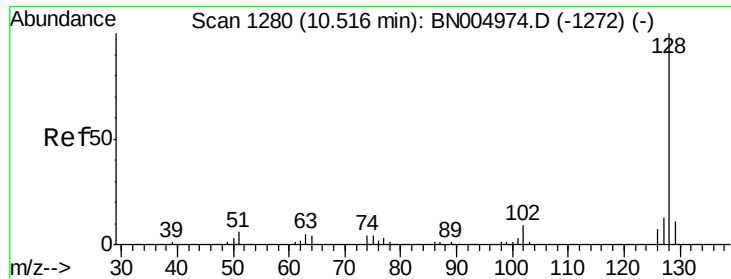


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

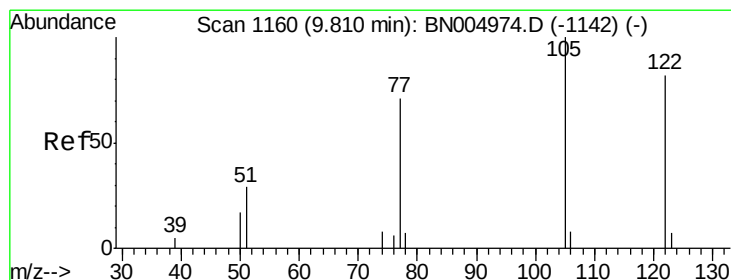
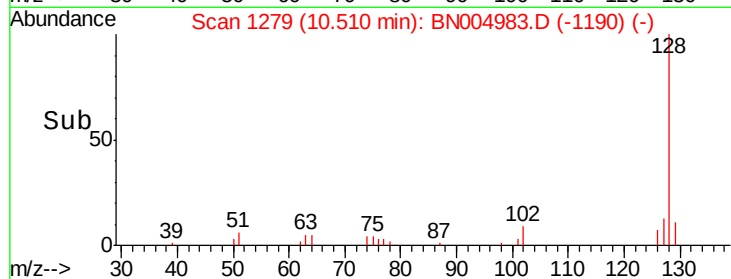
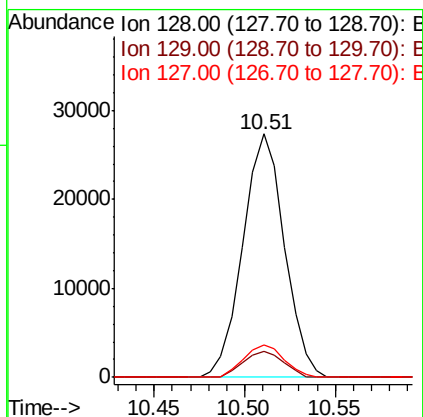
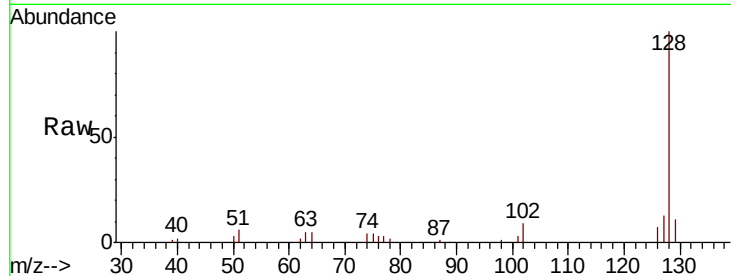




#31
Naphthalene
Concen: 20.807 ng
RT: 10.51 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

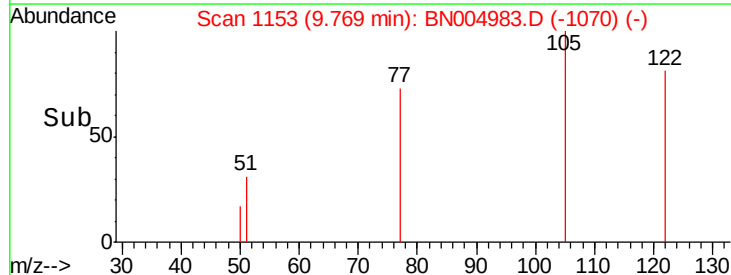
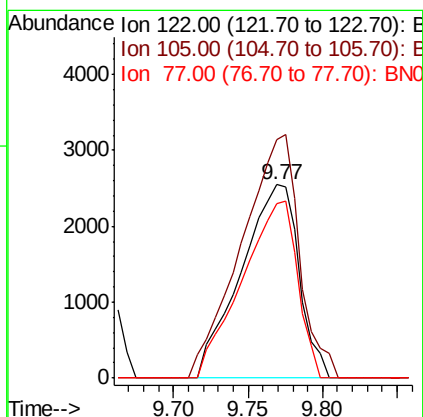
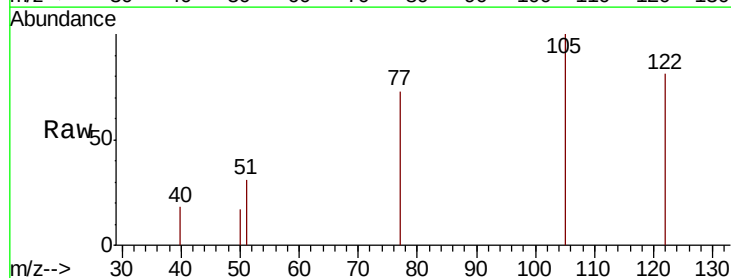
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

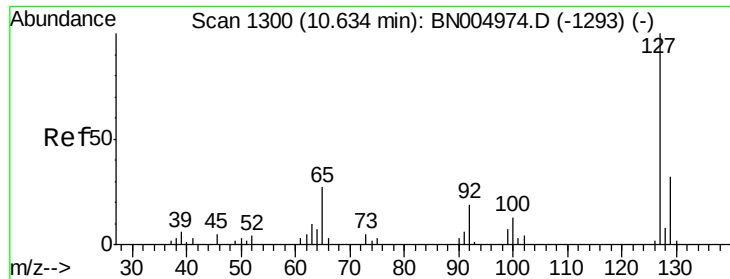
Tgt Ion:128 Resp: 43651
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 19.471 ng
RT: 9.77 min Scan# 1153
Delta R.T. -0.04 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:122 Resp: 6854
Ion Ratio Lower Upper
122 100
105 123.5 102.4 142.4
77 90.0 67.1 107.1

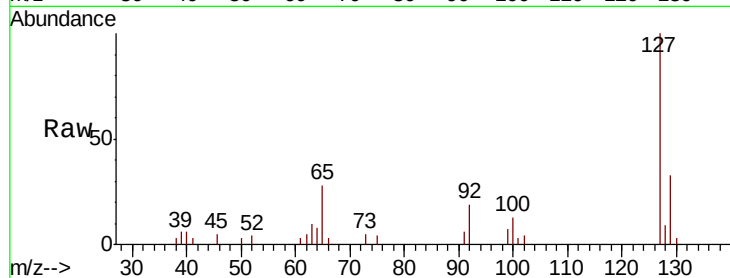




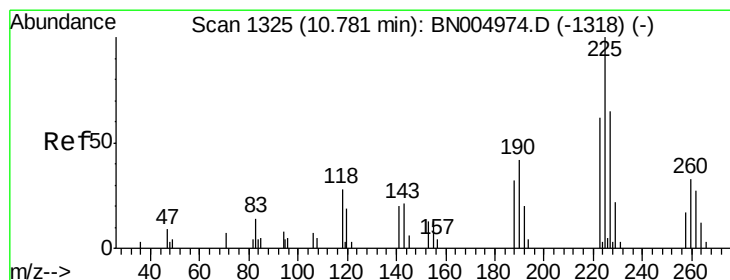
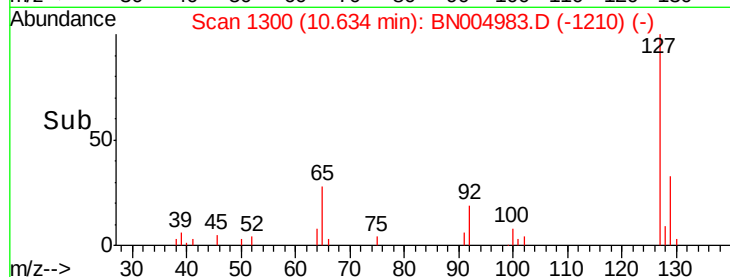
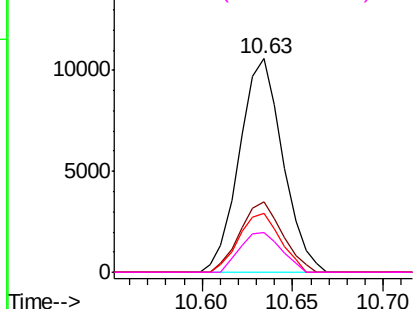
#33
4-Chloroaniline
Concen: 20.653 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:	127	Resp:	17628
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.9	38.9
65	27.7	21.4	32.0
92	18.5	15.3	22.9

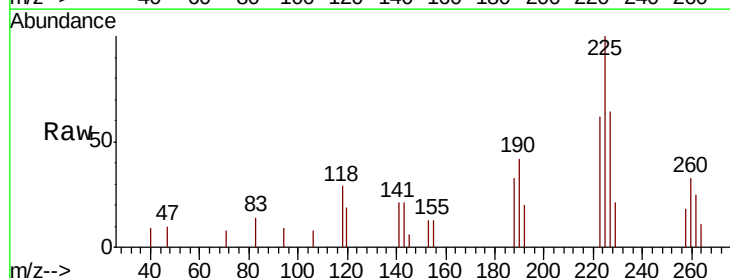


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

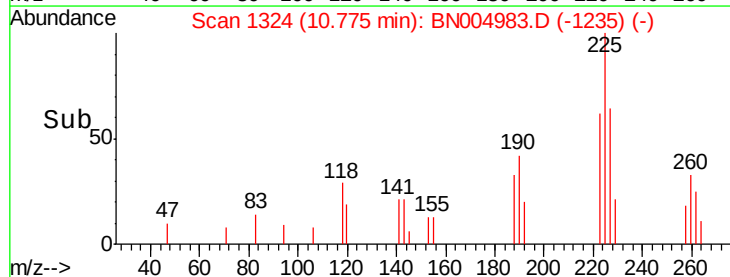
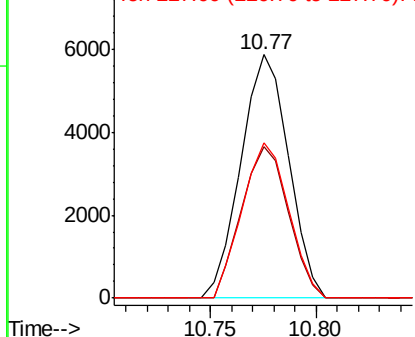


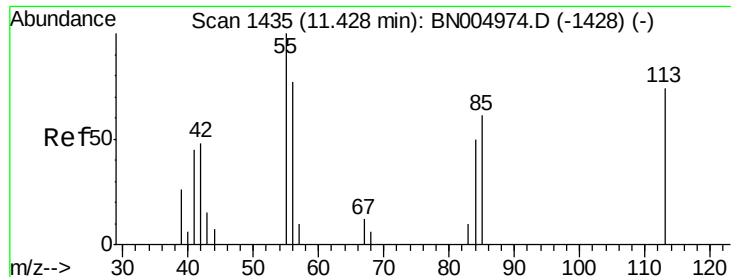
#34
Hexachlorobutadiene
Concen: 20.696 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:	225	Resp:	9220
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.7	74.5
227	63.7	52.0	78.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

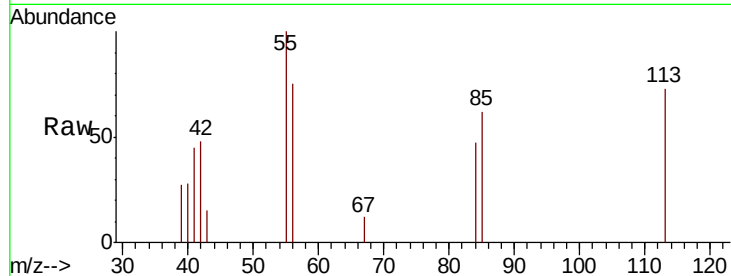




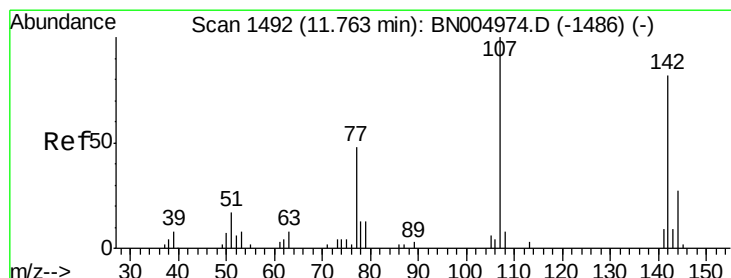
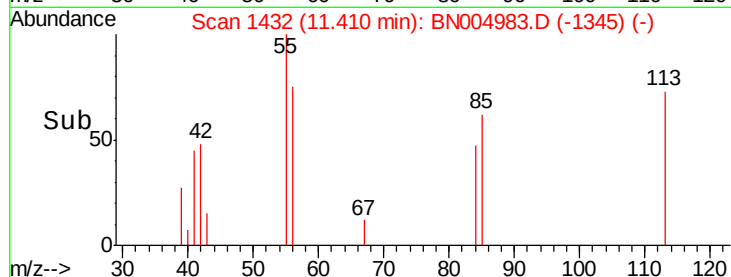
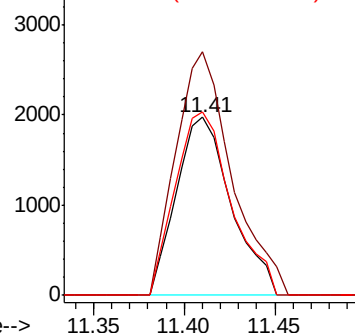
#35
 Caprolactam
 Concen: 20.386 ng
 RT: 11.41 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:113 Resp: 4172
 Ion Ratio Lower Upper
 113 100
 55 136.6 115.8 155.8
 56 103.1 85.1 125.1

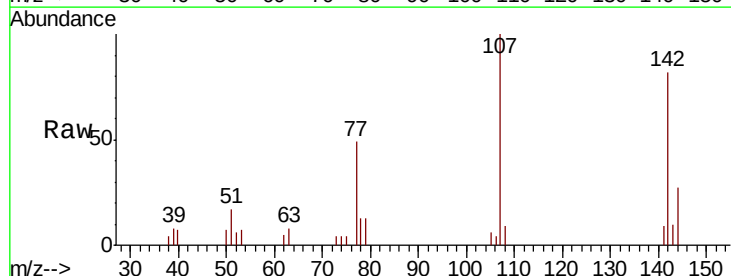


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BNO
 Ion 56.00 (55.70 to 56.70): BNO

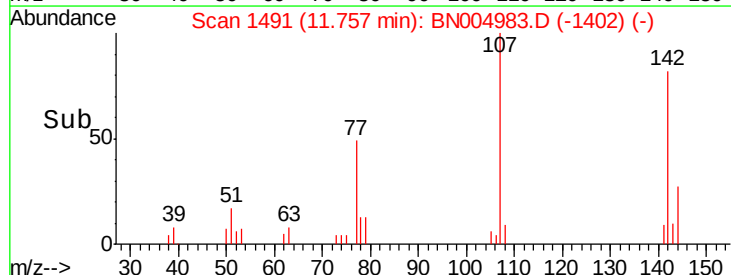
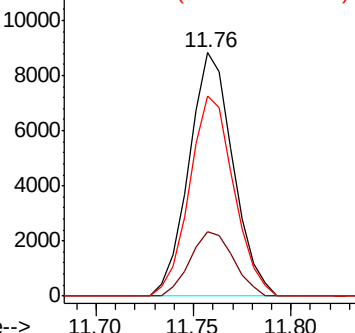


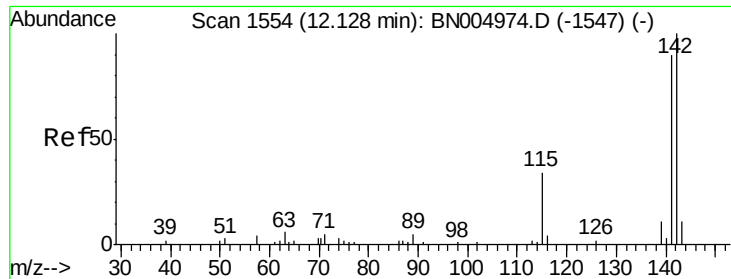
#36
 4-Chloro-3-methylphenol
 Concen: 20.461 ng
 RT: 11.76 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:107 Resp: 13815
 Ion Ratio Lower Upper
 107 100
 144 26.6 21.3 31.9
 142 82.2 65.8 98.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

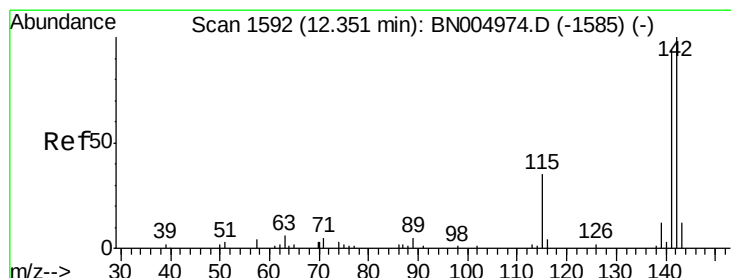
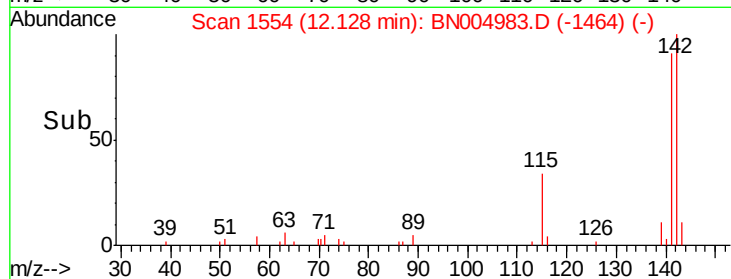
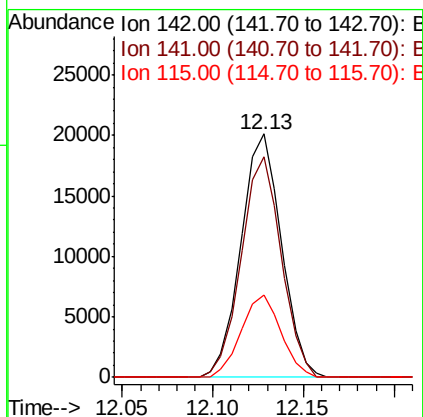
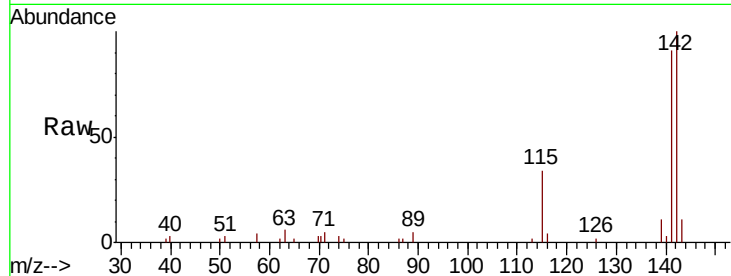




#37
 2-Methylnaphthalene
 Concen: 21.071 ng
 RT: 12.13 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

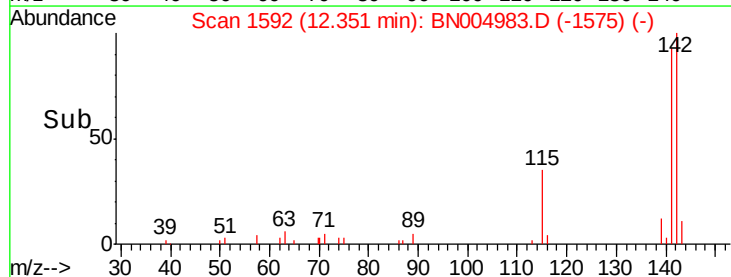
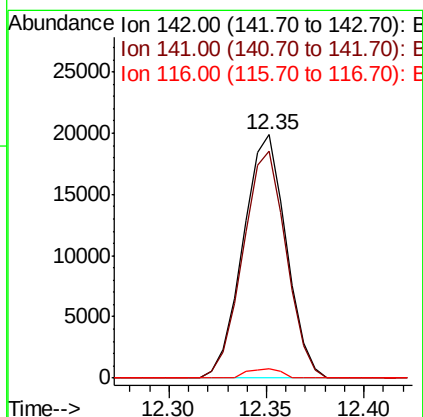
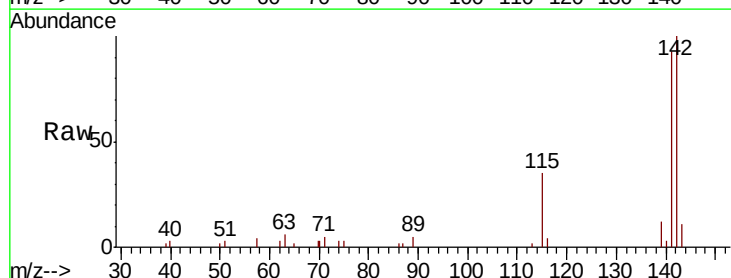
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

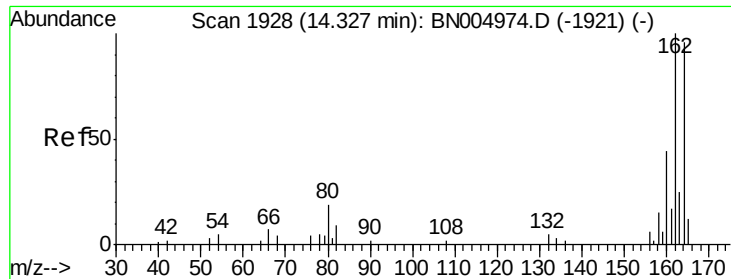
Tgt Ion:142 Resp: 31214
 Ion Ratio Lower Upper
 142 100
 141 90.8 71.8 107.8
 115 33.6 27.0 40.4



#38
 1-Methylnaphthalene
 Concen: 21.034 ng
 RT: 12.35 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:142 Resp: 30491
 Ion Ratio Lower Upper
 142 100
 141 93.4 74.9 112.3
 116 3.7 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

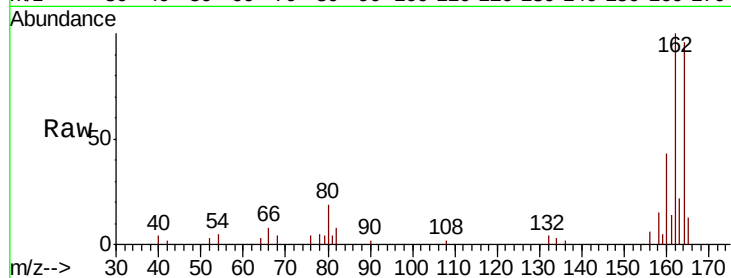
Tgt Ion:164 Resp: 23456

Ion Ratio Lower Upper

164 100

162 104.0 83.4 125.0

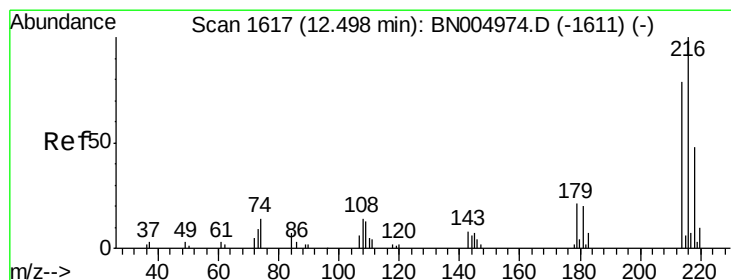
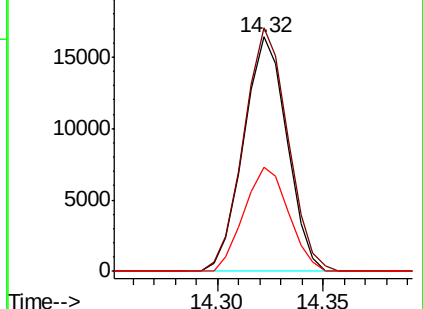
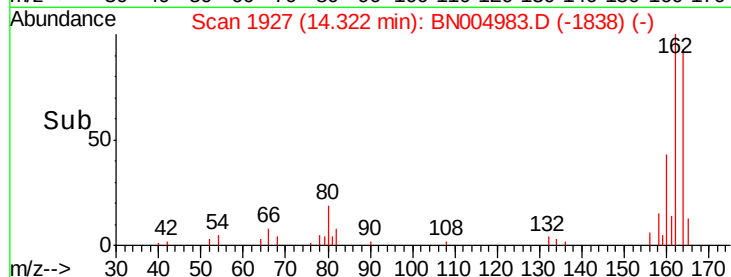
160 44.2 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.294 ng

RT: 12.50 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Tgt Ion:216 Resp: 16884

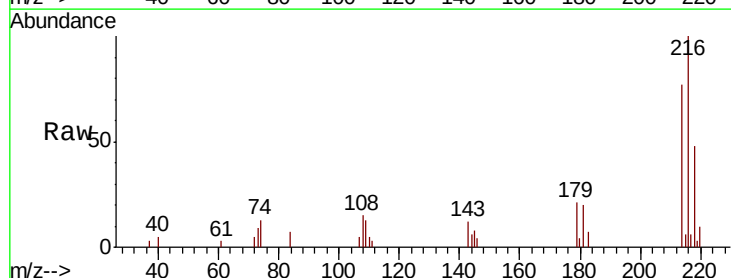
Ion Ratio Lower Upper

216 100

214 78.5 62.6 94.0

179 20.0 16.4 24.6

108 14.1 12.7 19.1

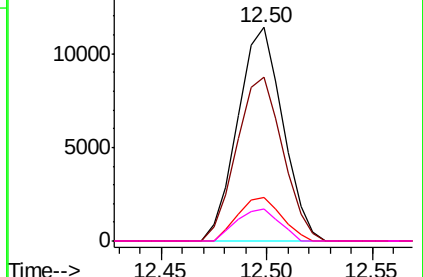
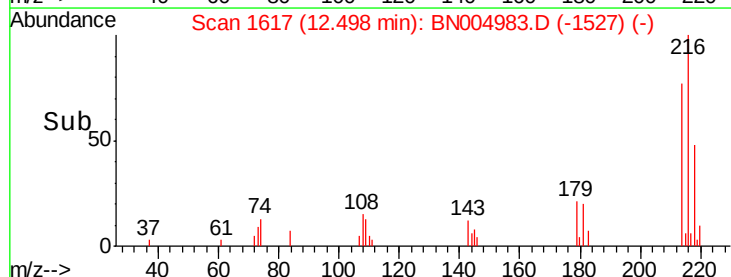


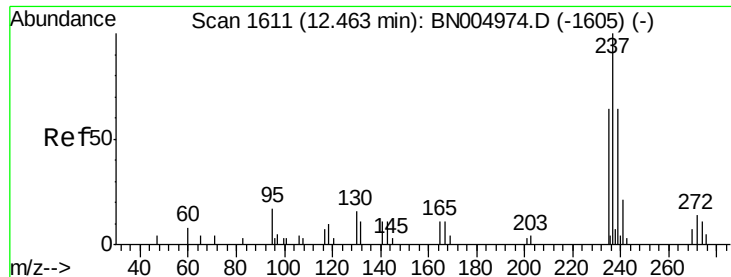
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 19.530 ng

RT: 12.46 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

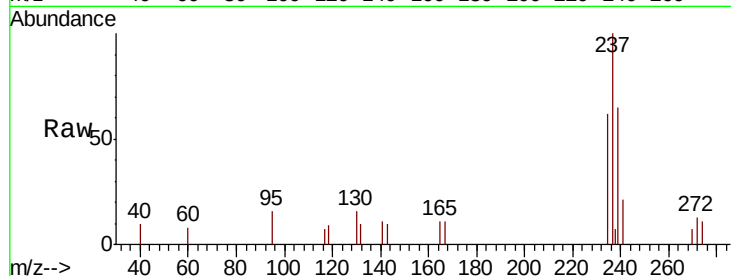
Tgt Ion: 237 Resp: 7502

Ion Ratio Lower Upper

237 100

235 62.3 43.6 83.6

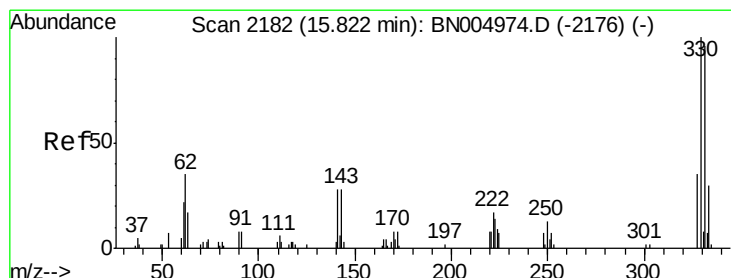
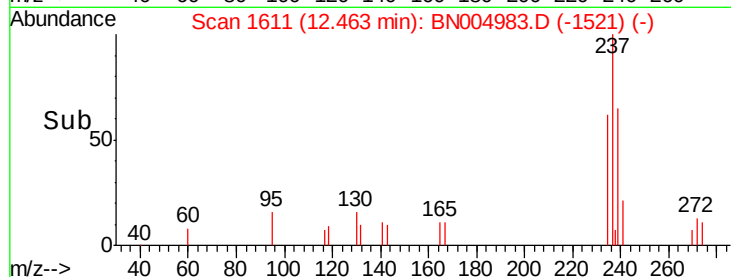
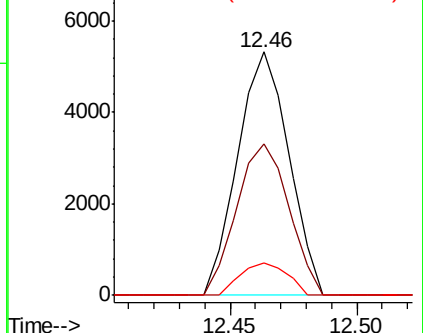
272 13.3 0.0 33.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 142.862 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

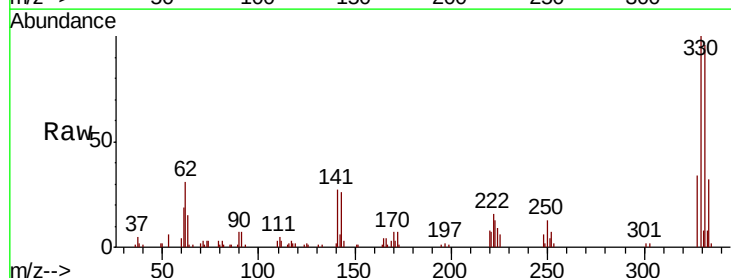
Tgt Ion: 330 Resp: 54045

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

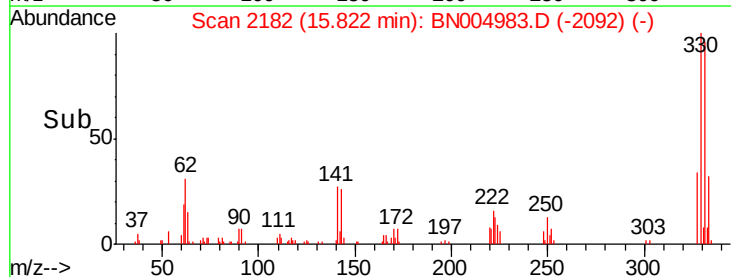
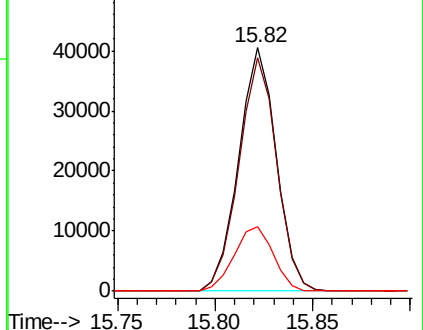
141 27.6 22.1 33.1

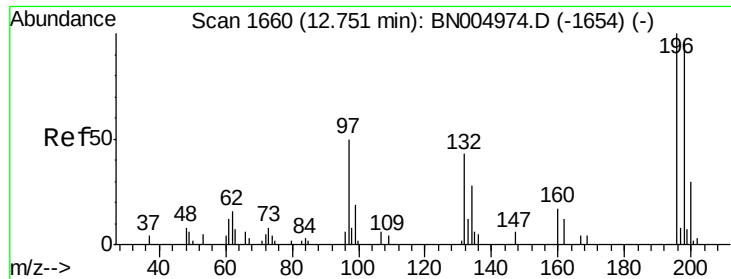


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

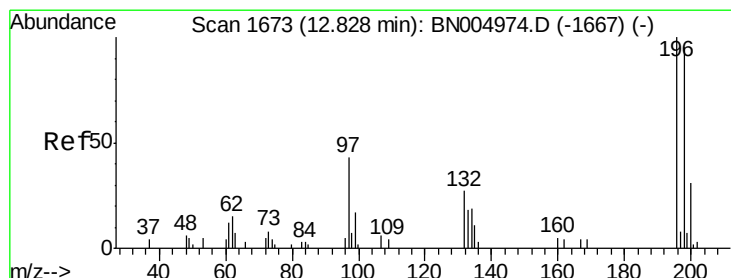
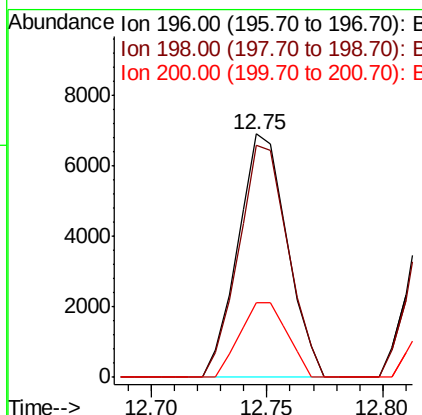
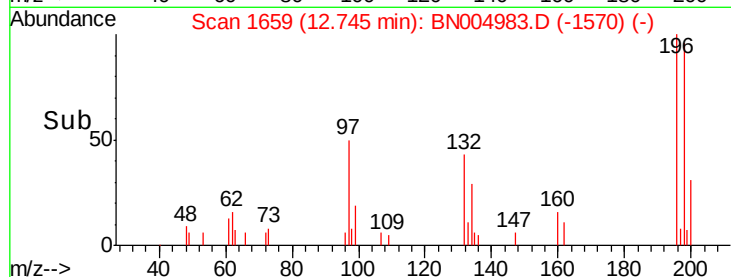
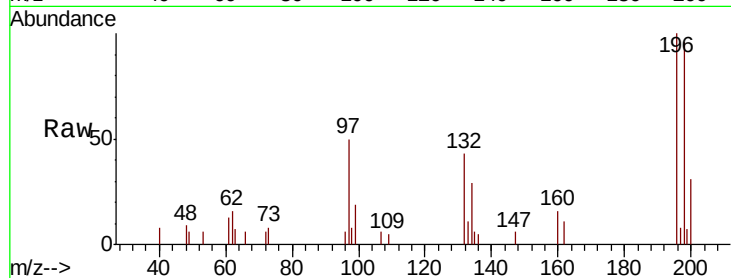




#43
 2,4,6-Trichlorophenol
 Concen: 19.824 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

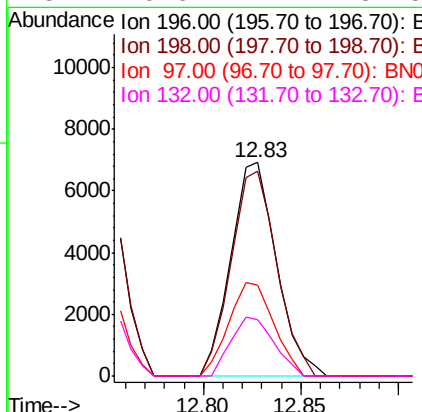
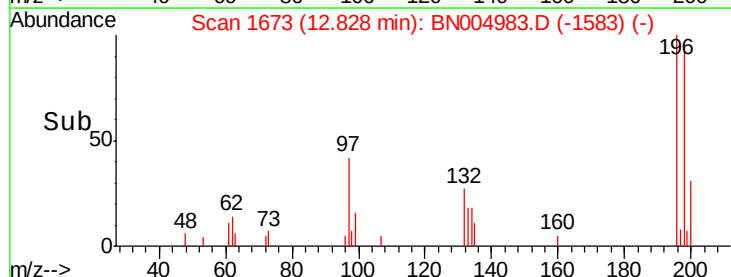
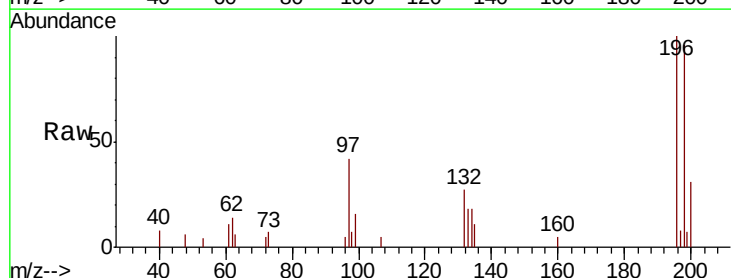
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

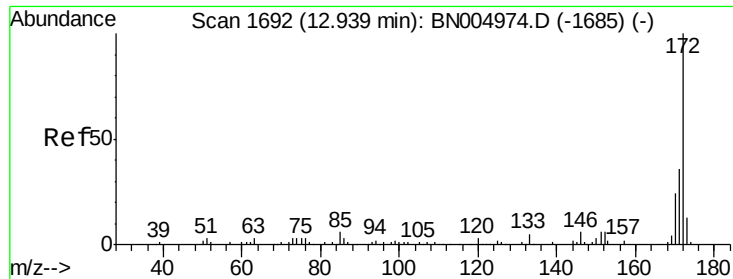
Tgt Ion:196 Resp: 10234
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.5 114.7
 200 30.7 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 19.926 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:196 Resp: 11206
 Ion Ratio Lower Upper
 196 100
 198 96.2 76.1 114.1
 97 42.5 34.8 52.2
 132 26.6 21.7 32.5

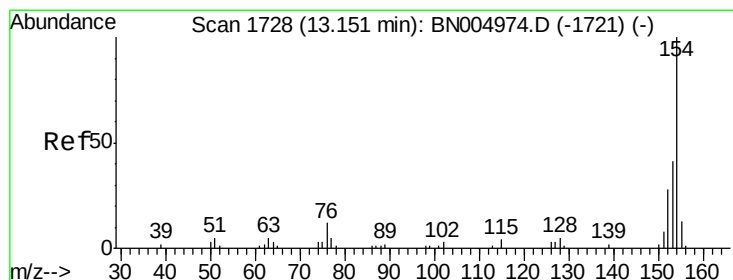
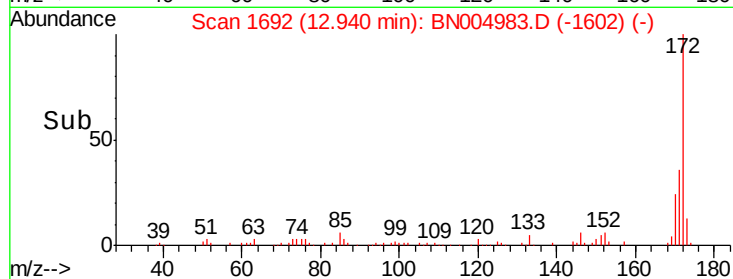
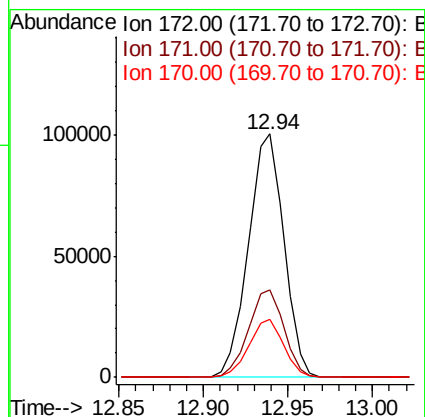
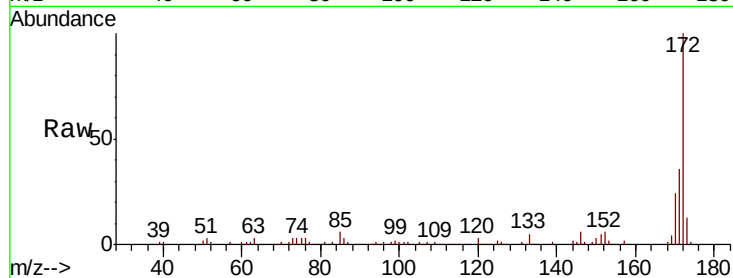




#45
2-Fluorobiphenyl
Concen: 83.124 ng
RT: 12.94 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

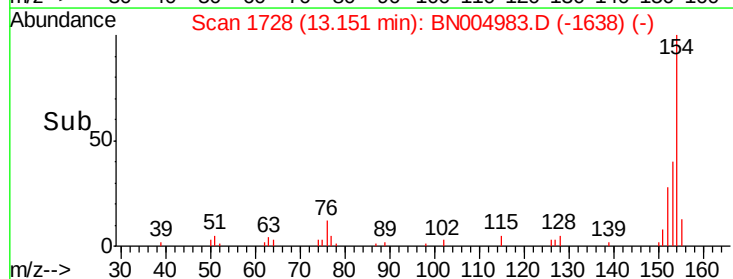
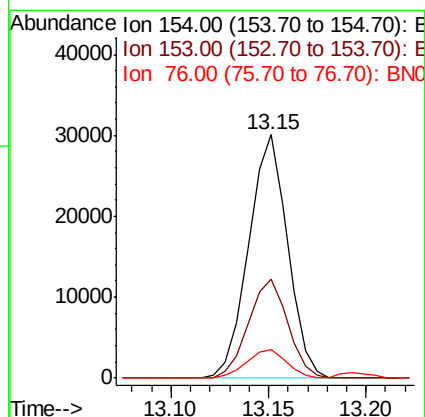
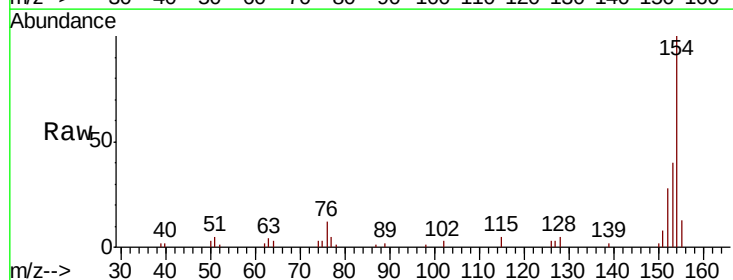
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

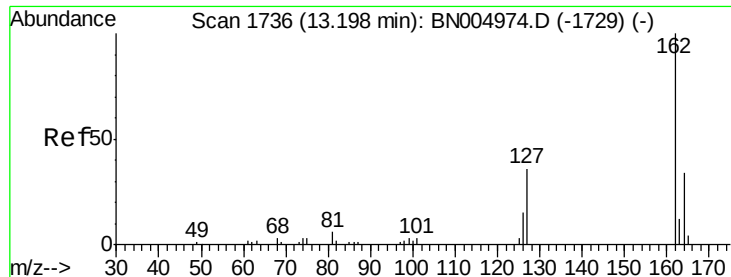
Tgt Ion:172 Resp: 147137
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.7 18.9 28.3



#46
1,1'-Biphenyl
Concen: 20.945 ng
RT: 13.15 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:154 Resp: 41580
Ion Ratio Lower Upper
154 100
153 40.5 21.2 61.2
76 11.7 0.0 32.2

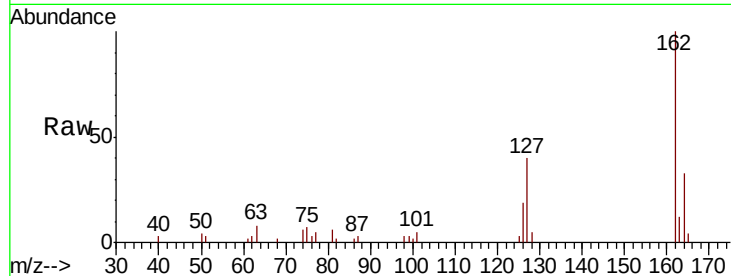




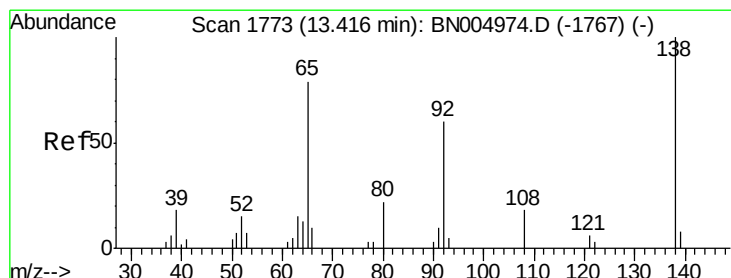
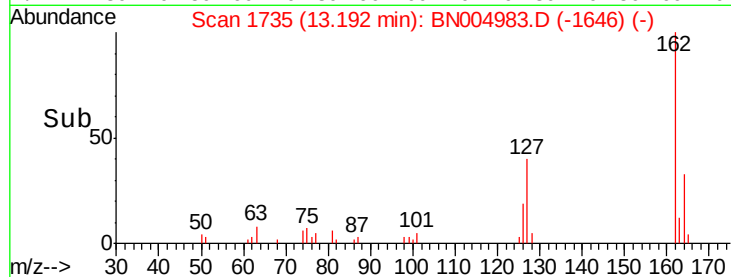
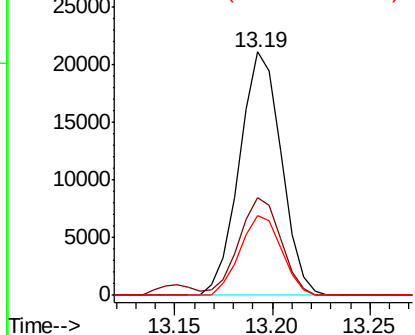
#47
 2-Chloronaphthalene
 Concen: 20.625 ng
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion: 162 Resp: 31421
 Ion Ratio Lower Upper
 162 100
 127 40.2 32.4 48.6
 164 32.7 26.8 40.2

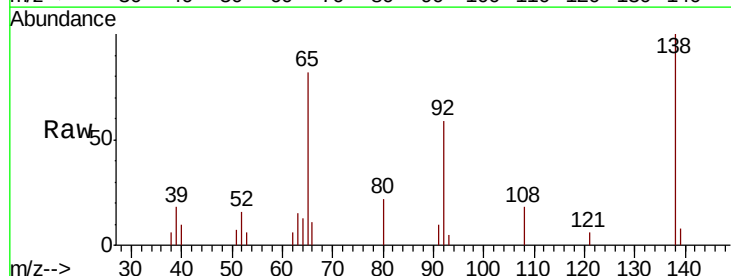


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

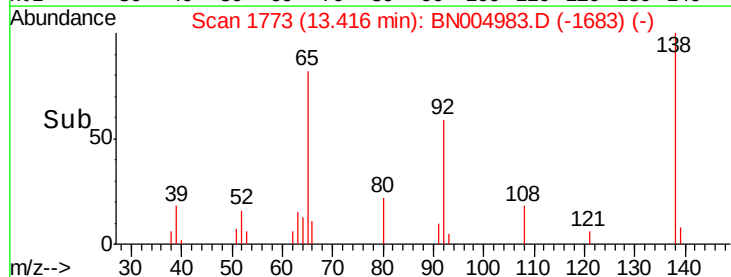
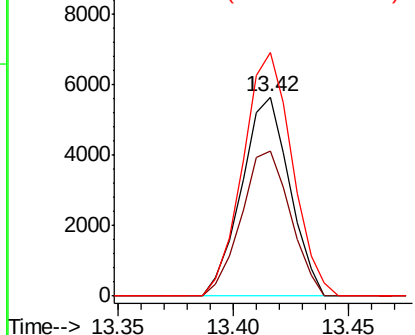


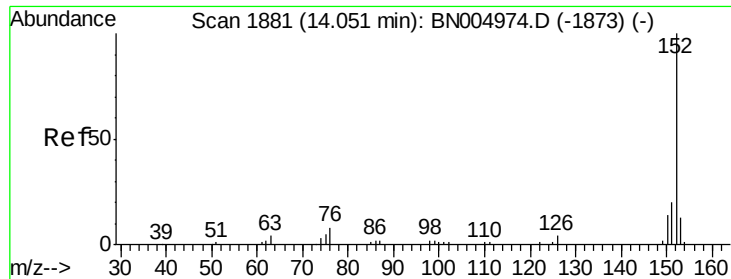
#48
 2-Nitroaniline
 Concen: 20.223 ng
 RT: 13.42 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion: 65 Resp: 8201
 Ion Ratio Lower Upper
 65 100
 92 72.7 60.2 90.4
 138 122.3 101.1 151.7



Abundance Ion 65.00 (64.70 to 65.70): BNC
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 20.942 ng

RT: 14.05 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

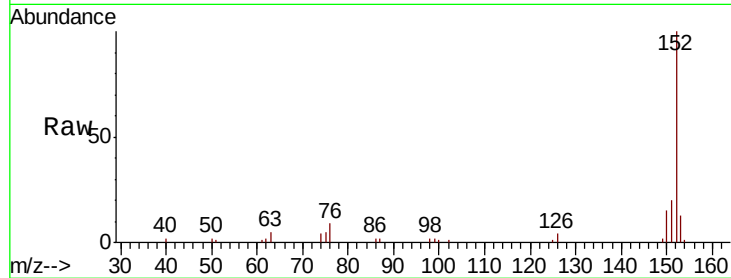
Tgt Ion:152 Resp: 53661

Ion Ratio Lower Upper

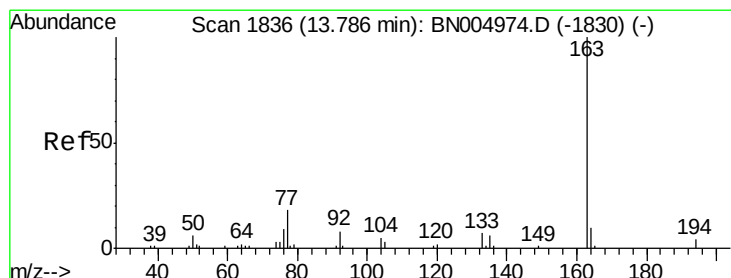
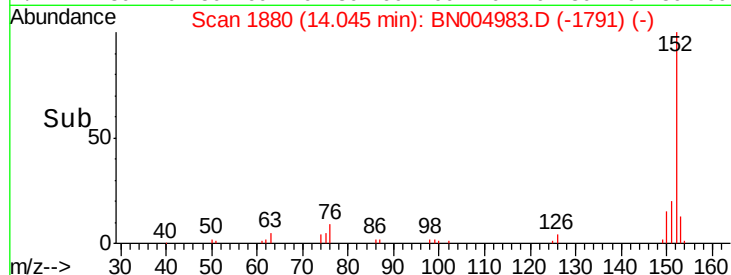
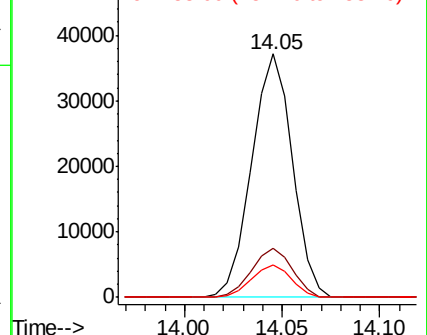
152 100

151 20.3 16.2 24.2

153 13.3 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 21.245 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

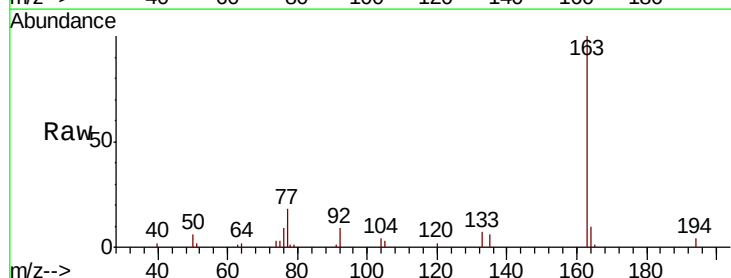
Tgt Ion:163 Resp: 40941

Ion Ratio Lower Upper

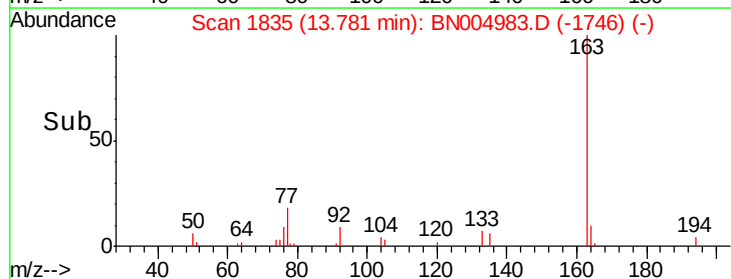
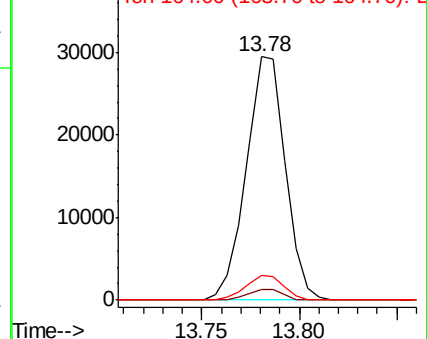
163 100

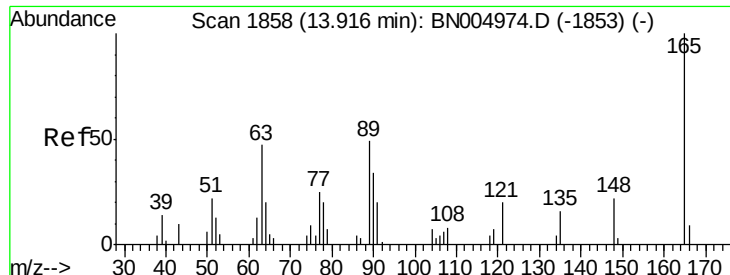
194 4.3 3.4 5.0

164 10.3 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

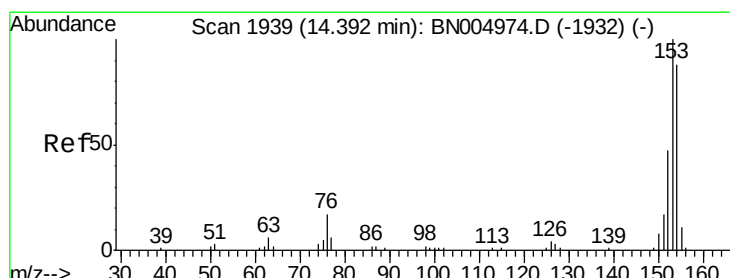
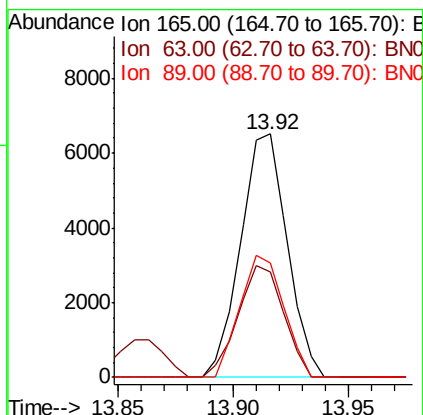
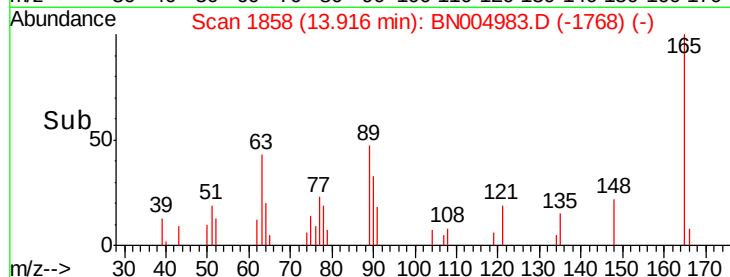
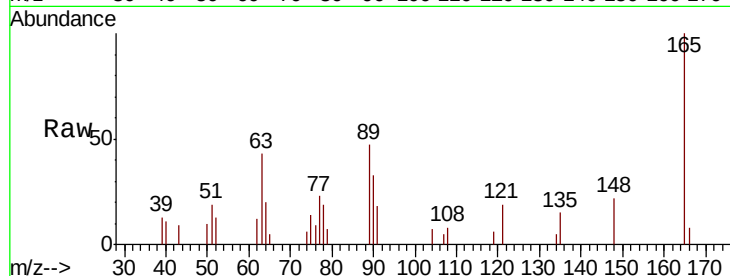




#51
 2,6-Dinitrotoluene
 Concen: 20.889 ng
 RT: 13.92 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

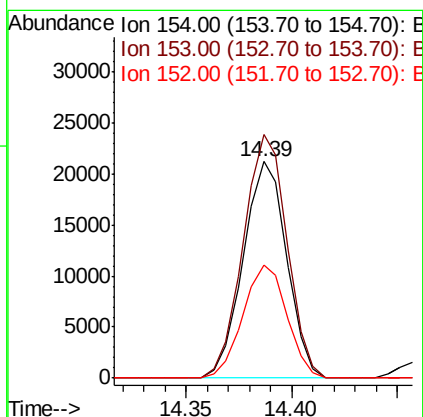
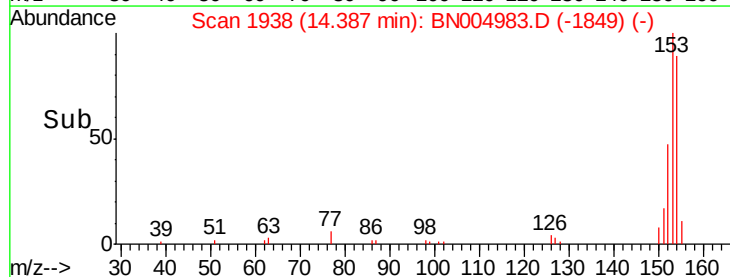
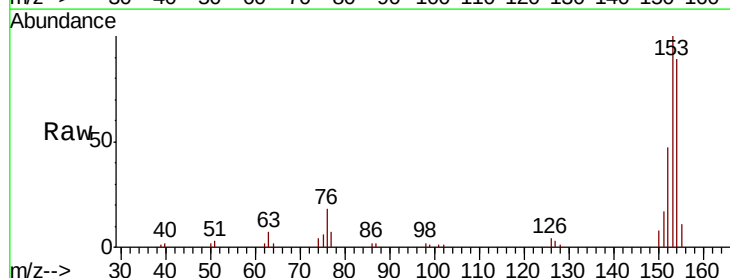
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

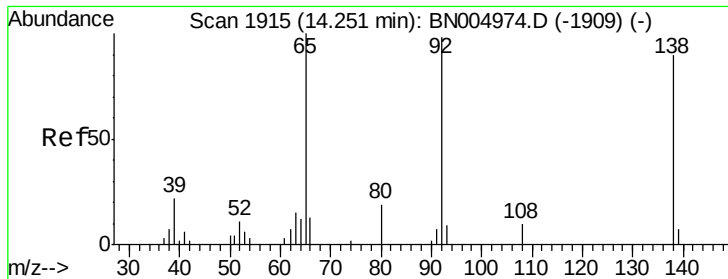
Tgt Ion:165 Resp: 9160
 Ion Ratio Lower Upper
 165 100
 63 43.1 37.3 55.9
 89 46.8 39.2 58.8



#52
 Acenaphthene
 Concen: 21.074 ng
 RT: 14.39 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:154 Resp: 30376
 Ion Ratio Lower Upper
 154 100
 153 112.6 91.0 136.4
 152 52.5 43.0 64.4





#53

3-Nitroaniline

Concen: 20.369 ng

RT: 14.25 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

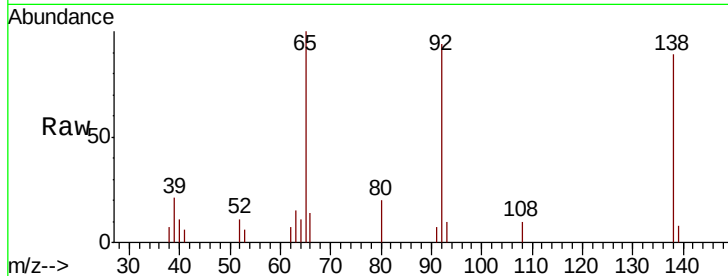
Tgt Ion:138 Resp: 9129

Ion Ratio Lower Upper

138 100

108 11.3 8.6 12.8

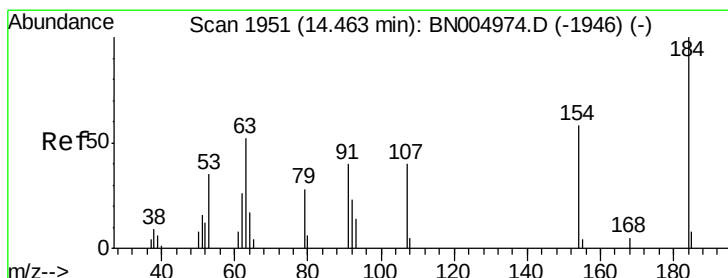
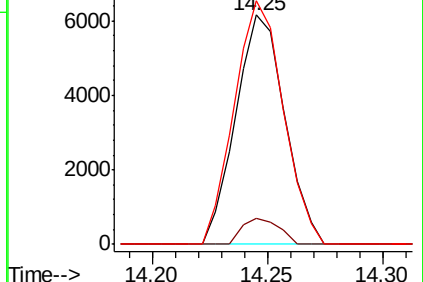
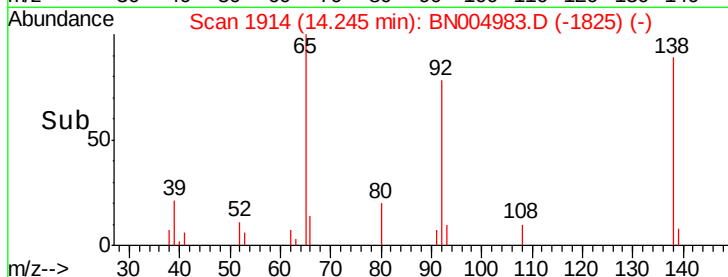
92 106.2 86.9 130.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC



#54

2,4-Dinitrophenol

Concen: 21.013 ng

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

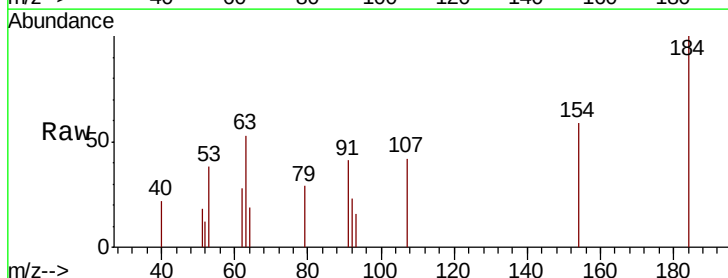
Tgt Ion:184 Resp: 3968

Ion Ratio Lower Upper

184 100

63 53.5 41.6 62.4

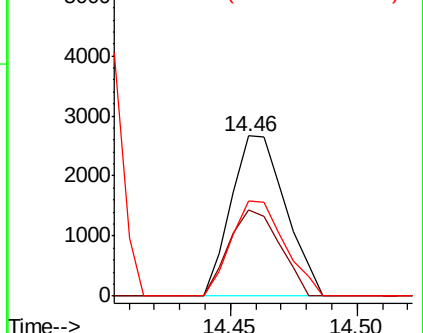
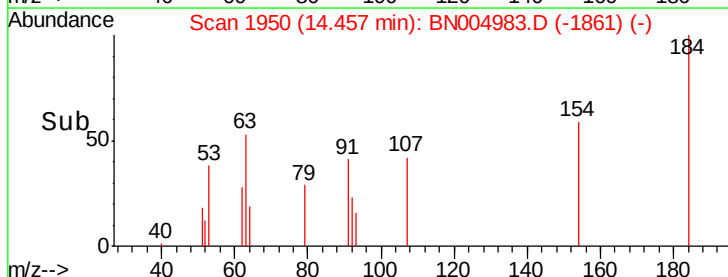
154 59.2 46.8 70.2

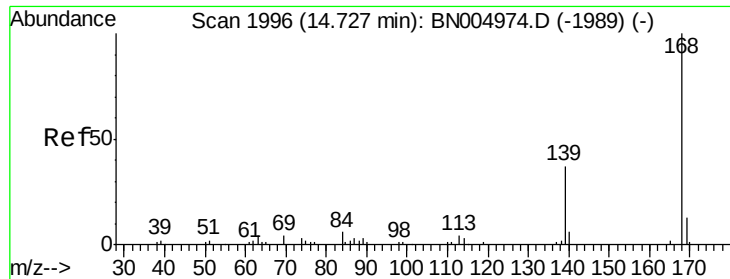


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 21.048 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

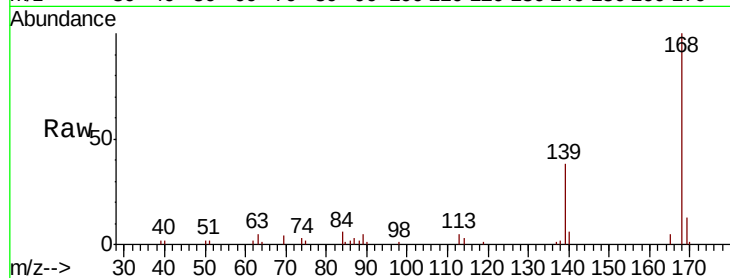
Tgt Ion:168 Resp: 48276

Ion Ratio Lower Upper

168 100

139 37.7 29.9 44.9

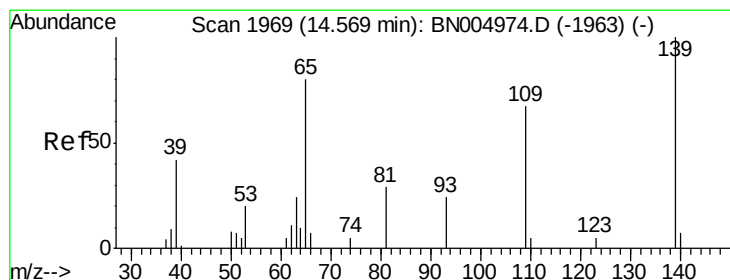
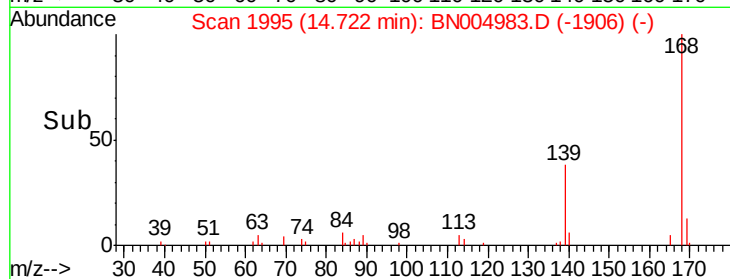
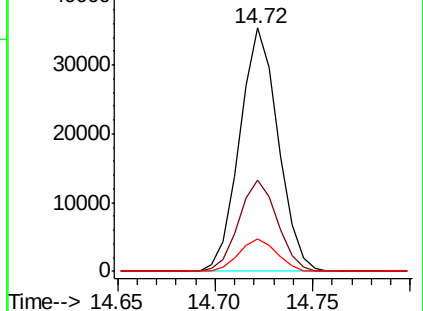
169 13.4 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 19.019 ng

RT: 14.56 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

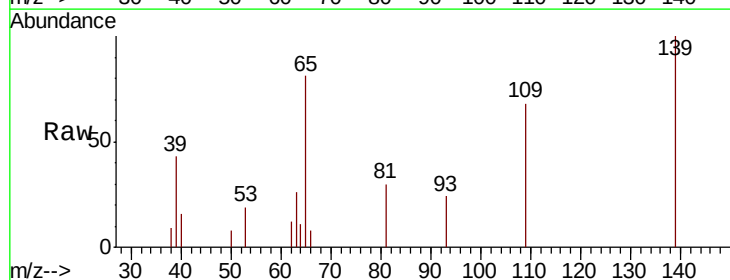
Tgt Ion:139 Resp: 6715

Ion Ratio Lower Upper

139 100

109 67.8 46.5 86.5

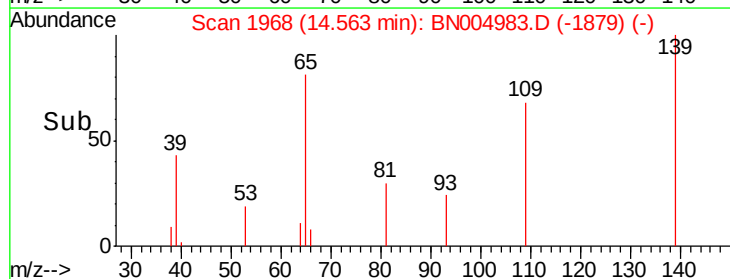
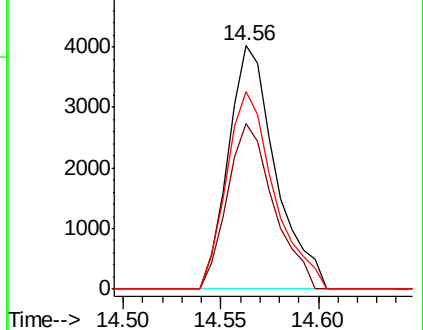
65 80.9 59.5 99.5

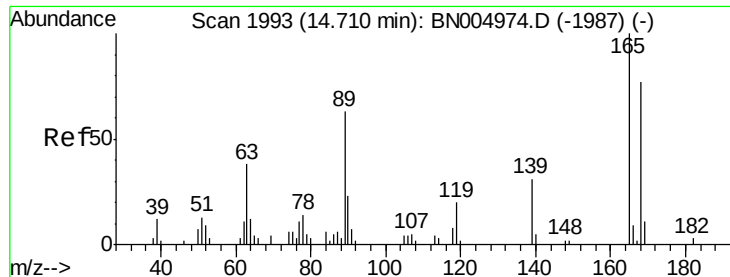


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNO

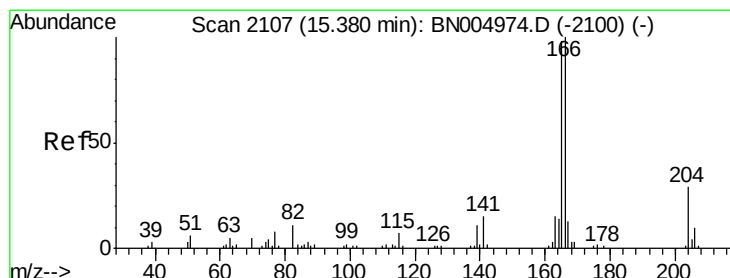
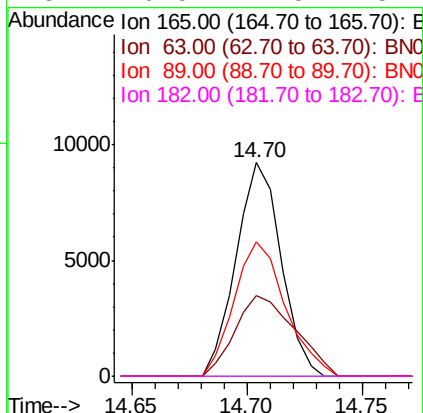
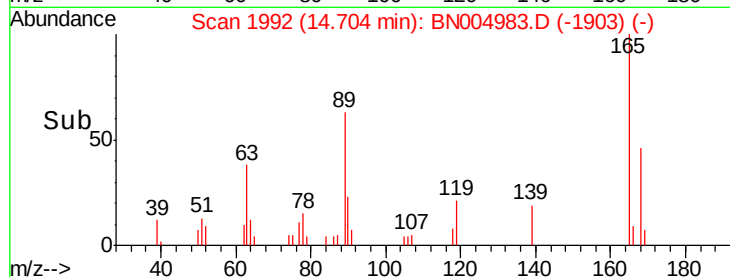
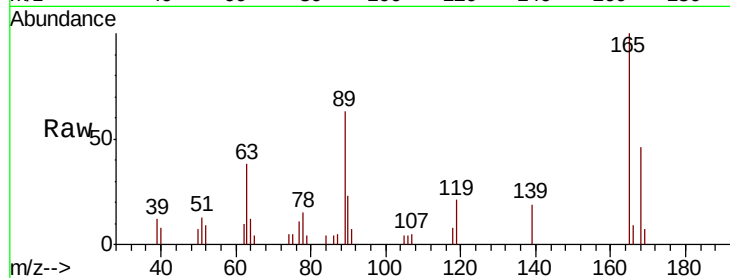




#57
2,4-Dinitrotoluene
Concen: 21.033 ng
RT: 14.70 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

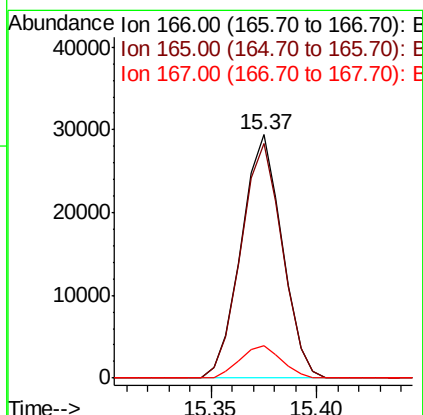
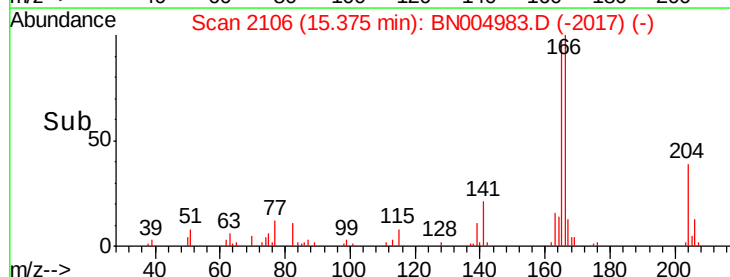
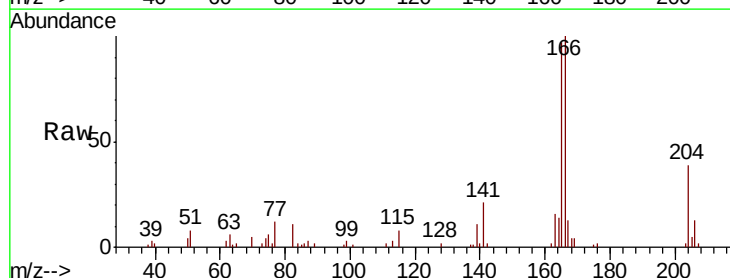
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

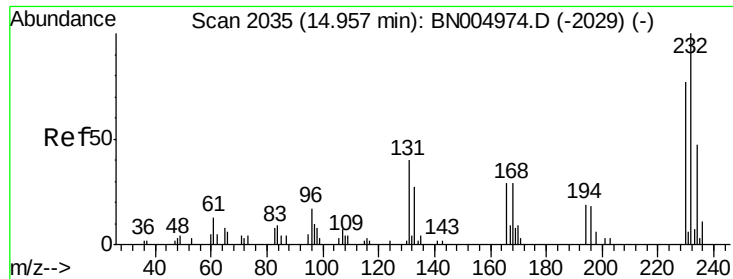
Tgt Ion:165 Resp: 12534
Ion Ratio Lower Upper
165 100
63 37.6 30.4 45.6
89 62.9 50.7 76.1
182 0.0 2.5 3.7#



#58
Fluorene
Concen: 21.342 ng
RT: 15.37 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:166 Resp: 39542
Ion Ratio Lower Upper
166 100
165 96.5 78.3 117.5
167 13.2 10.6 15.8

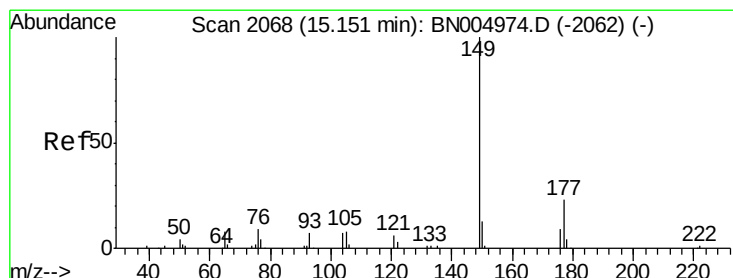
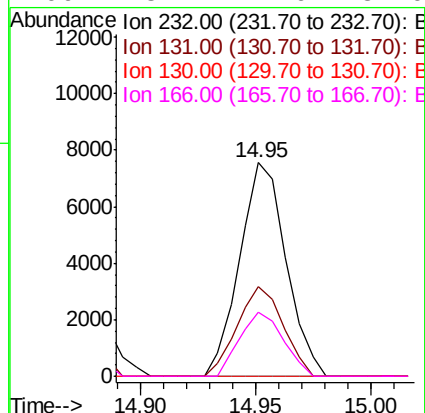
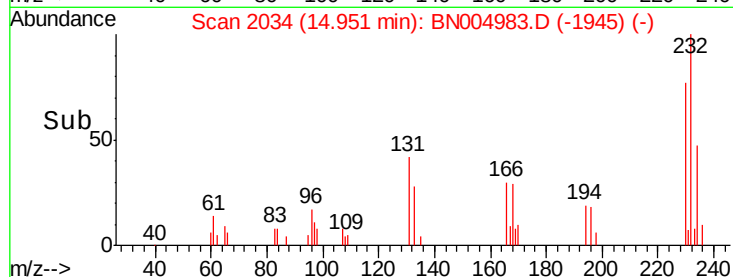
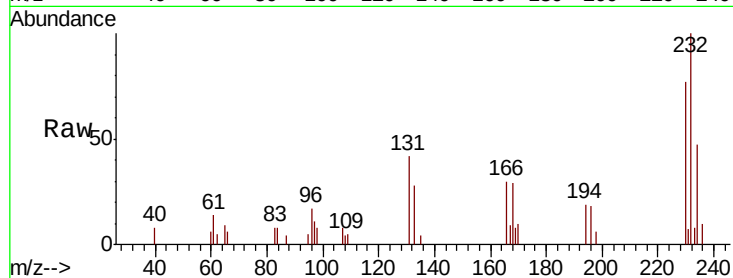




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.324 ng
RT: 14.95 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

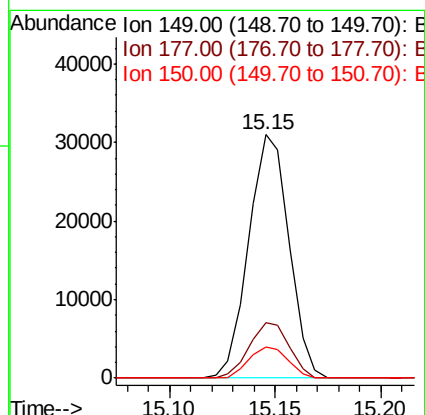
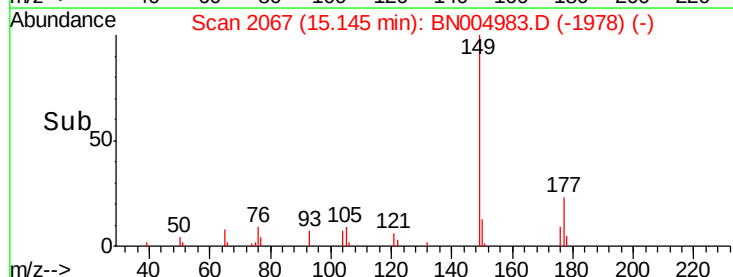
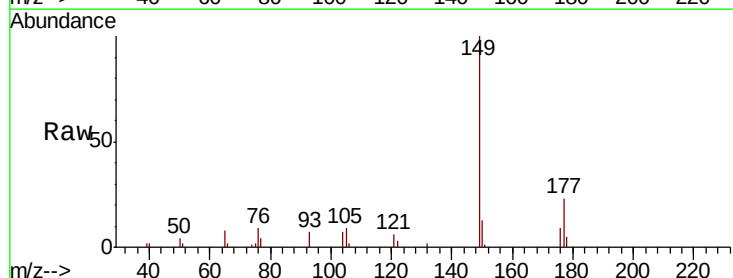
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

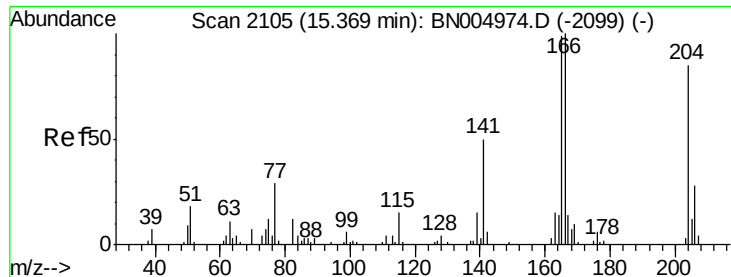
Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.2	32.4	48.6
130	0.0	0.9	1.3
166	28.1	22.6	34.0



#60
Diethylphthalate
Concen: 21.395 ng
RT: 15.15 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.1	27.1
150	12.9	10.1	15.1

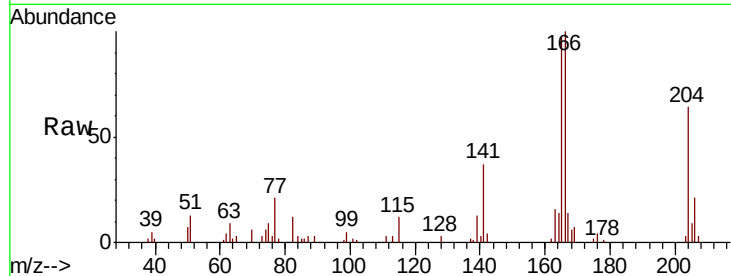




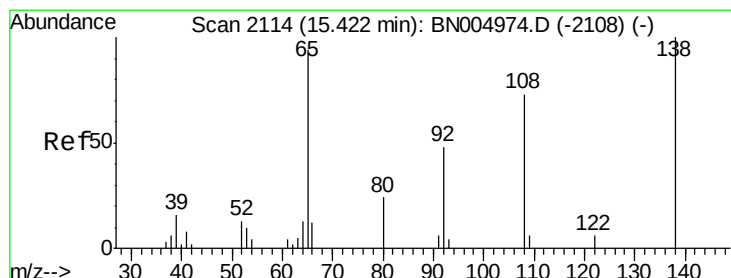
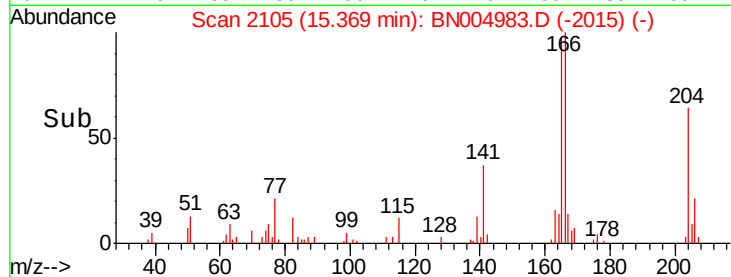
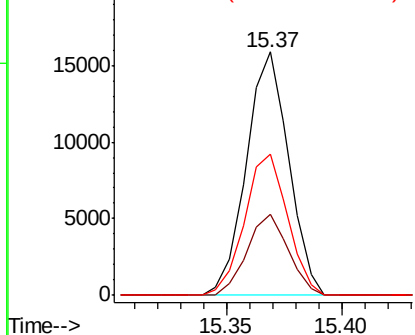
#61
 4-Chlorophenyl-phenylether
 Concen: 21.203 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:204 Resp: 20266
 Ion Ratio Lower Upper
 204 100
 206 33.1 26.5 39.7
 141 58.1 47.2 70.8

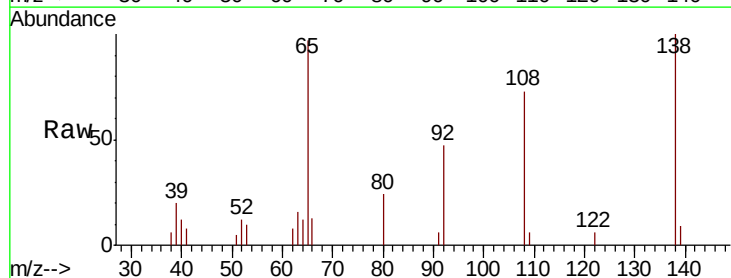


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

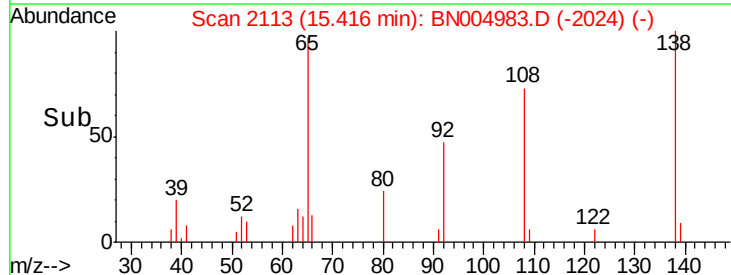
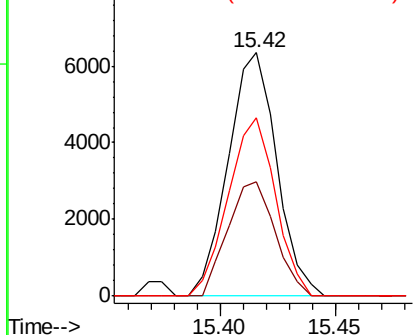


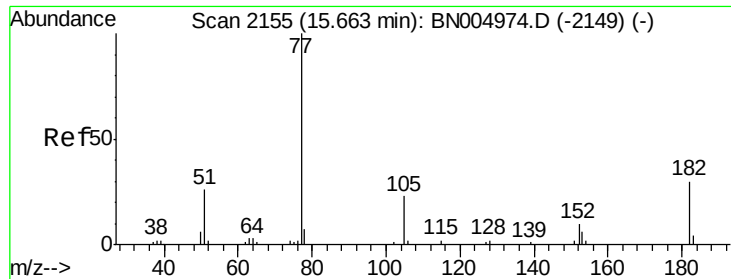
#62
 4-Nitroaniline
 Concen: 20.644 ng
 RT: 15.42 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:138 Resp: 9296
 Ion Ratio Lower Upper
 138 100
 92 47.1 26.4 66.4
 108 73.1 50.8 90.8



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 21.419 ng

RT: 15.66 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 77 Resp: 34286

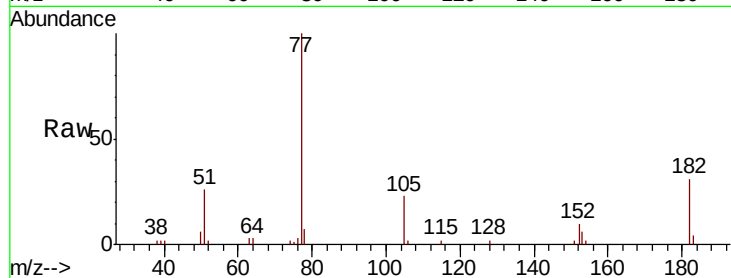
Ion Ratio Lower Upper

77 100

182 30.7 10.0 50.0

105 23.3 2.9 42.9

51 25.9 6.0 46.0

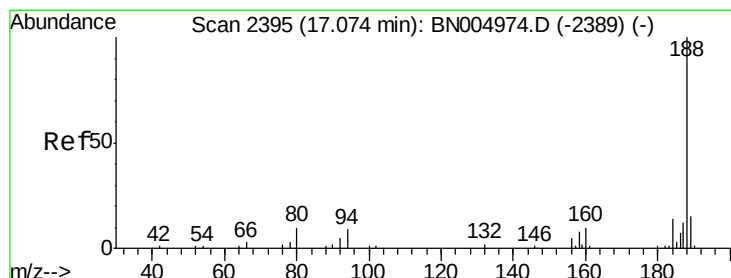
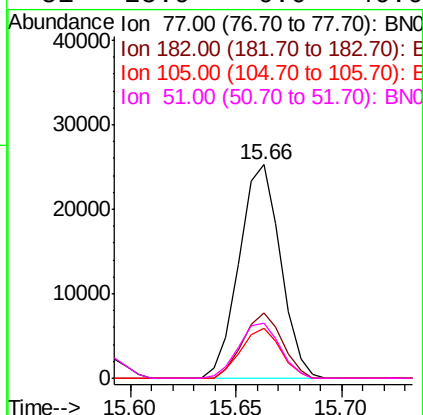
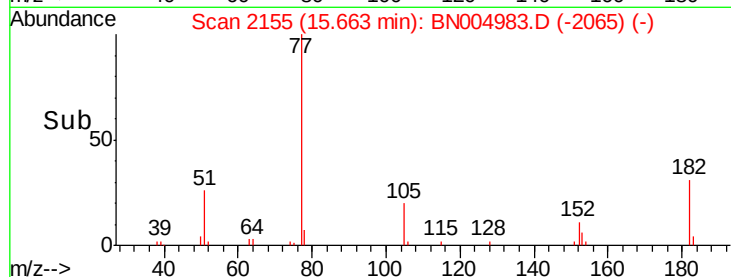


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

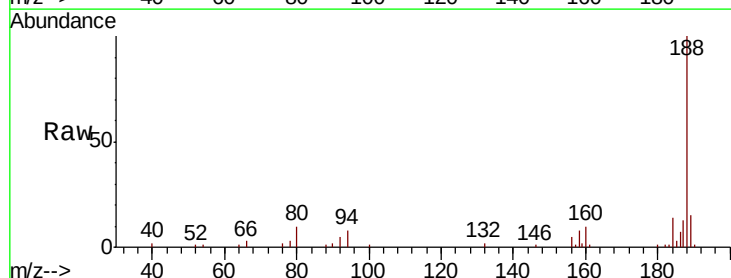
Tgt Ion: 188 Resp: 52725

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

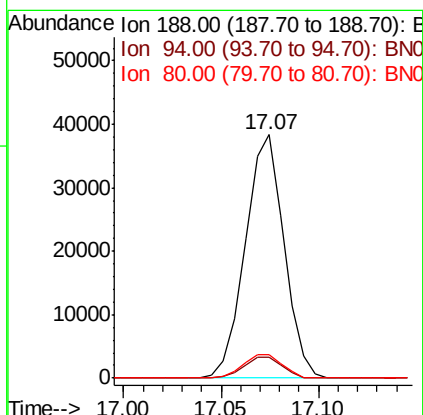
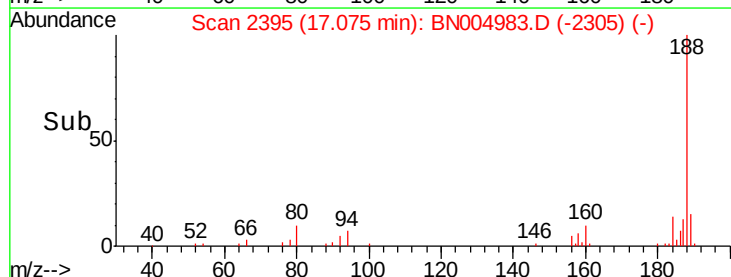
80 9.6 7.8 11.6

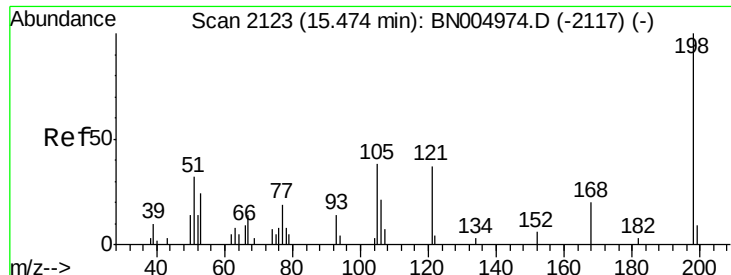


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

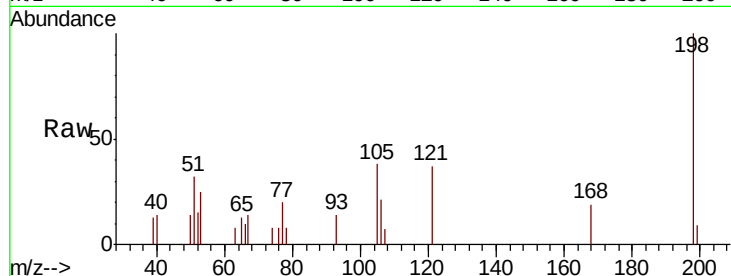




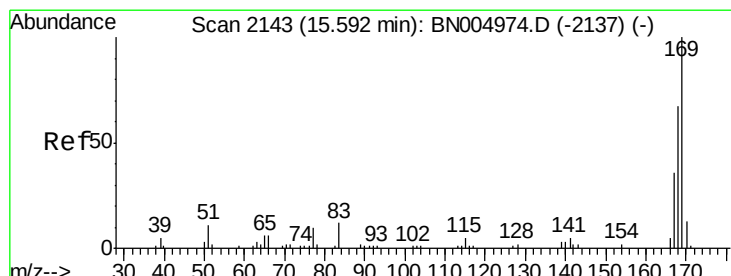
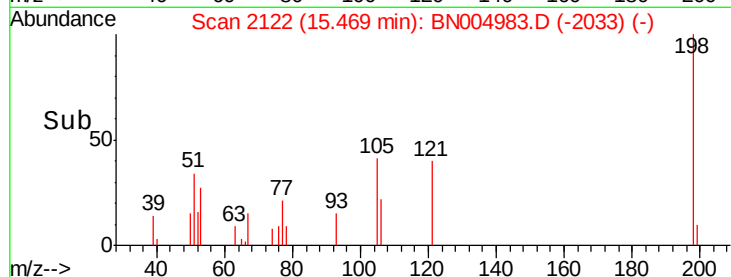
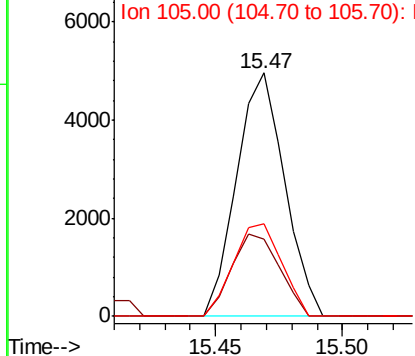
#65
 4,6-Dinitro-2-methylphenol
 Concen: 20.347 ng
 RT: 15.47 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:198 Resp: 6524
 Ion Ratio Lower Upper
 198 100
 51 31.6 12.0 52.0
 105 38.1 17.6 57.6

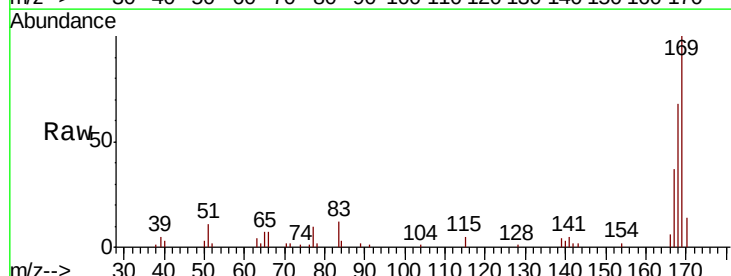


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BNO
 Ion 105.00 (104.70 to 105.70): E

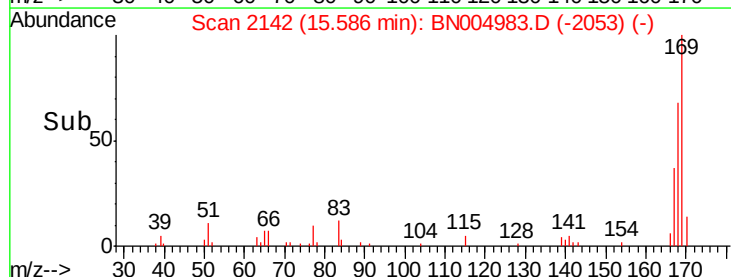
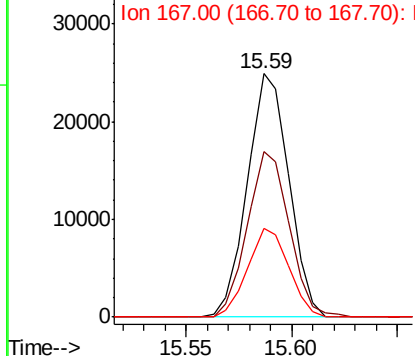


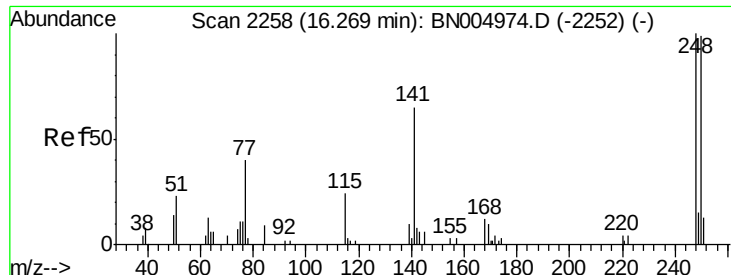
#66
 n-Nitrosodiphenylamine
 Concen: 20.530 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:169 Resp: 34097
 Ion Ratio Lower Upper
 169 100
 168 68.2 53.4 80.2
 167 36.6 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

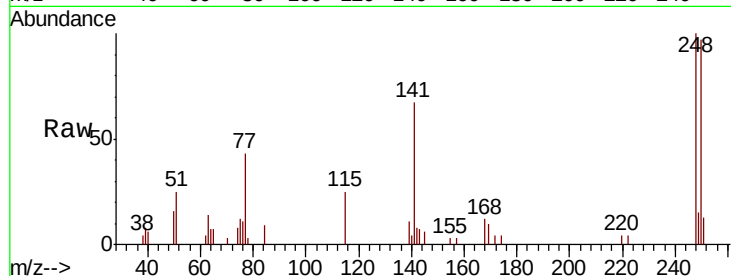




#67
 4-Bromophenyl-phenylether
 Concen: 20.393 ng
 RT: 16.26 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.9	79.4	119.2
141	67.3	52.3	78.5

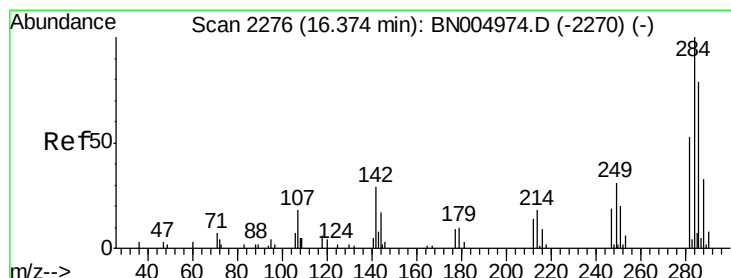
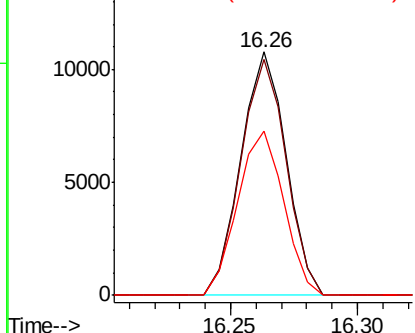
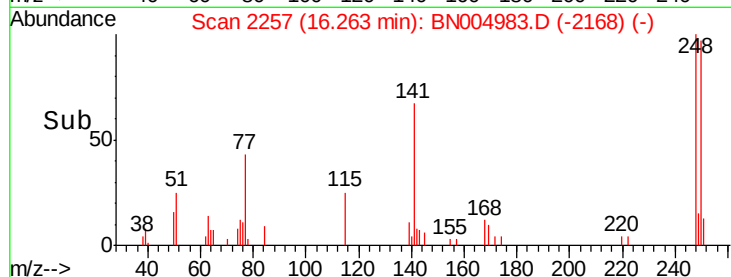


Abundance

Ion 248.00 (247.70 to 248.70): E

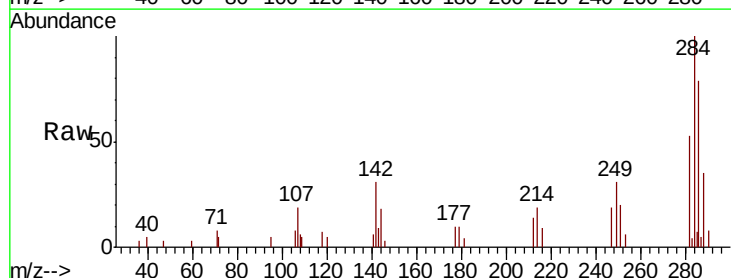
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 20.484 ng
 RT: 16.37 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.7	23.5	35.3
249	30.5	24.5	36.7

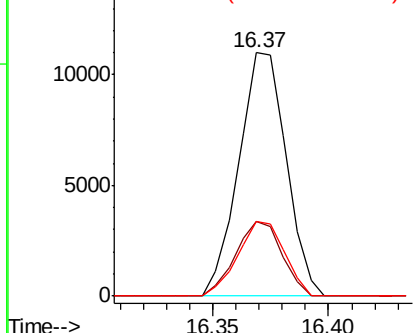
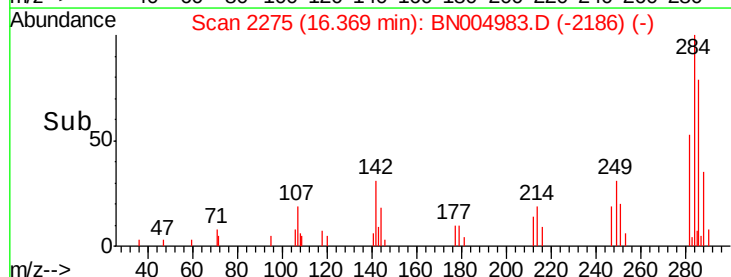


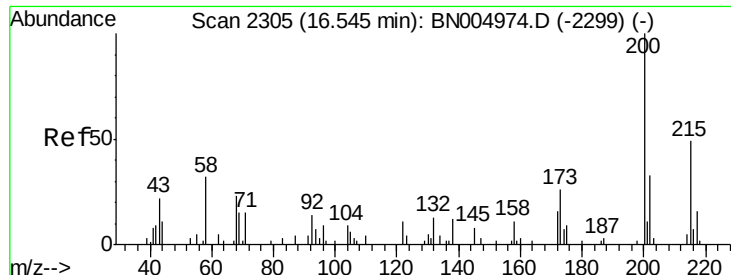
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 21.215 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

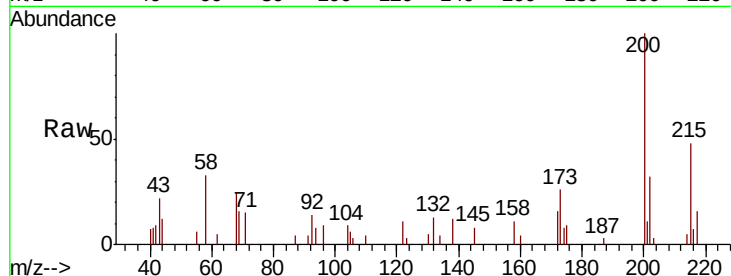
Tgt Ion:200 Resp: 12588

Ion Ratio Lower Upper

200 100

173 25.9 6.4 46.4

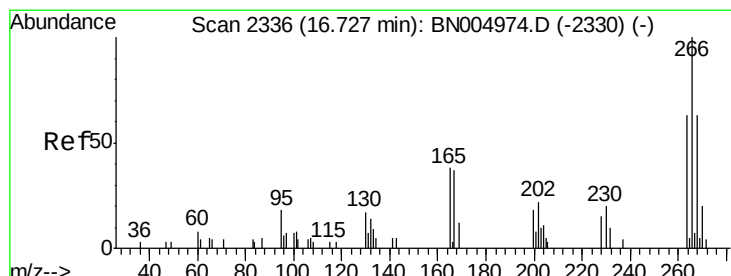
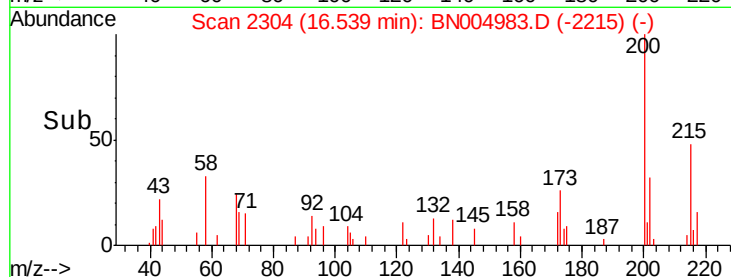
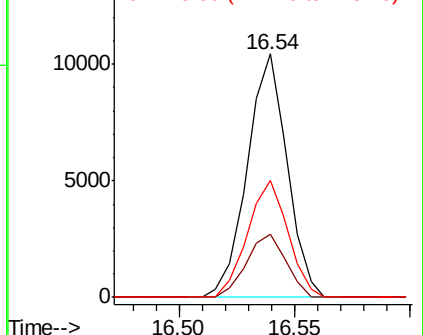
215 48.0 28.8 68.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 17.834 ng

RT: 16.72 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

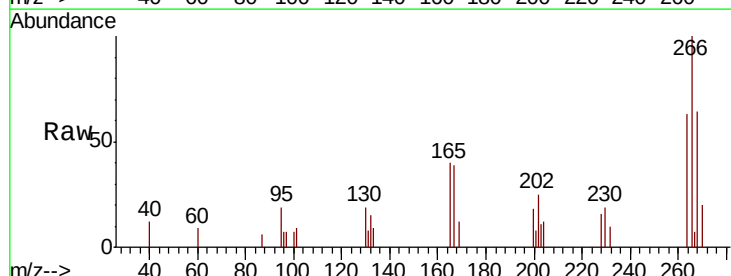
Tgt Ion:266 Resp: 7228

Ion Ratio Lower Upper

266 100

268 63.6 50.8 76.2

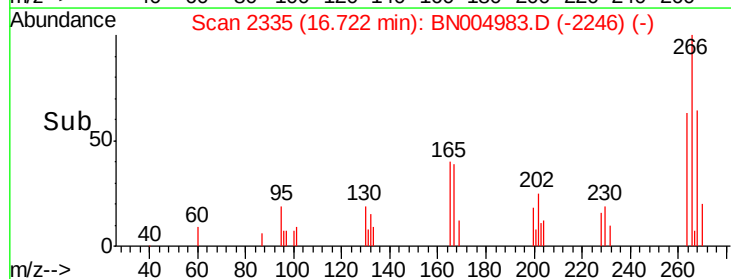
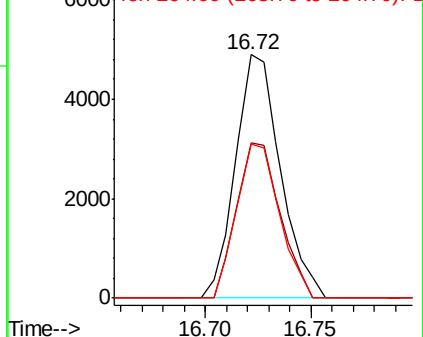
264 63.3 50.0 75.0

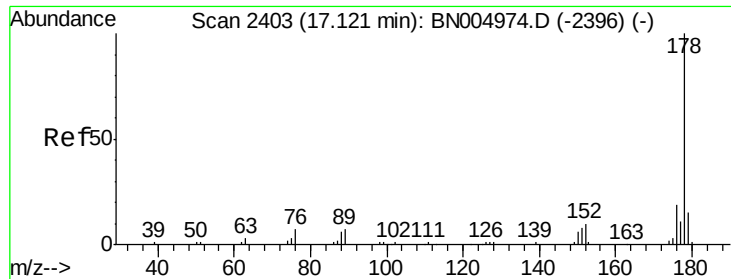


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

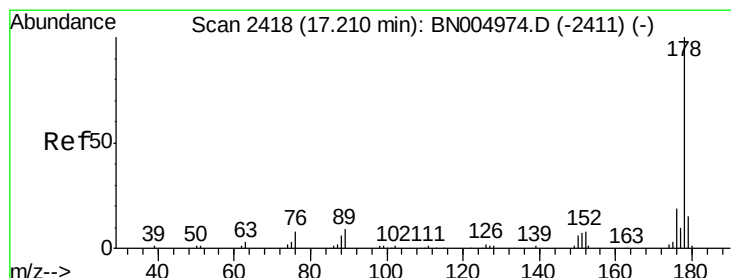
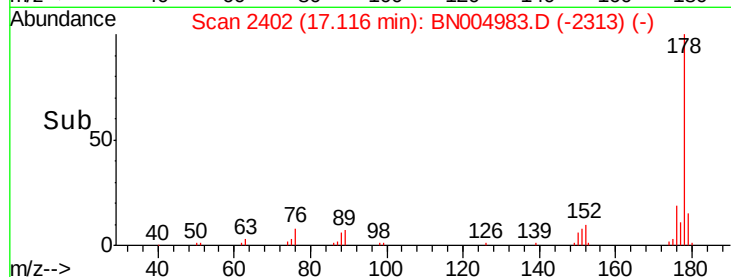
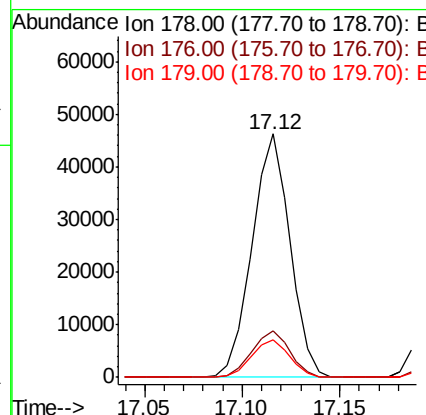
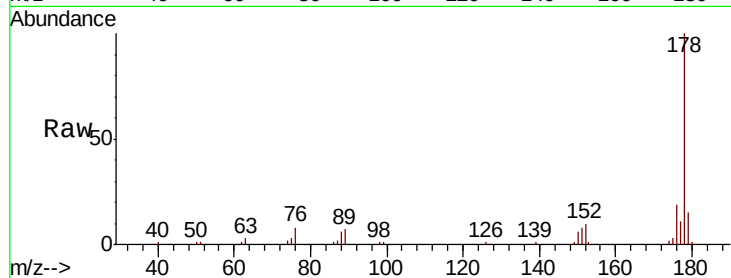




#71
Phenanthrene
Concen: 21.009 ng
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

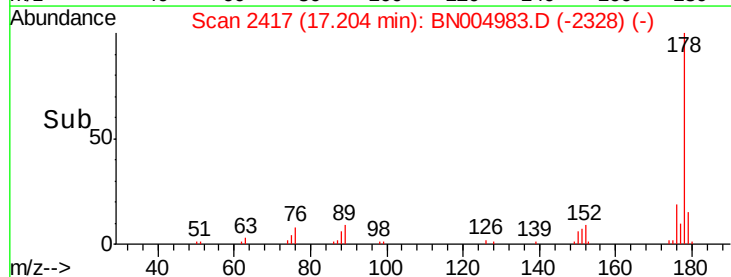
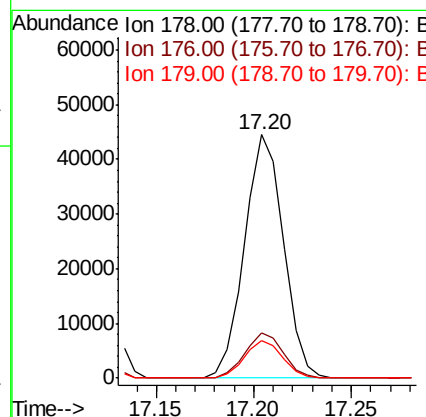
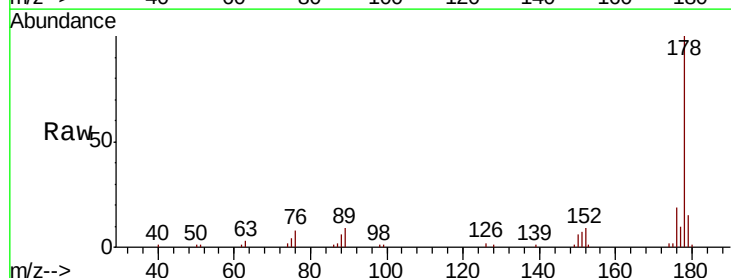
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

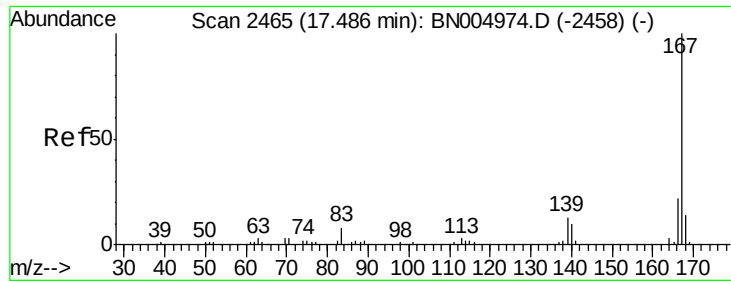
Tgt Ion:178 Resp: 62240
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.2 12.3 18.5



#72
Anthracene
Concen: 20.863 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:178 Resp: 61522
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.3 12.3 18.5

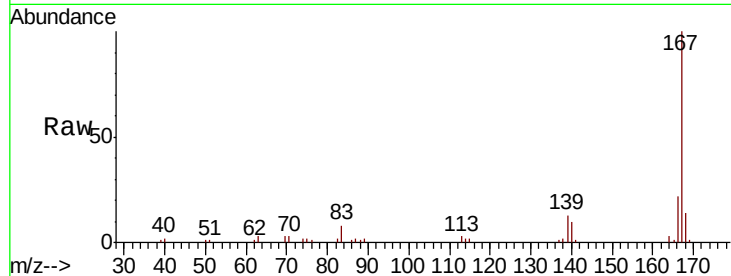




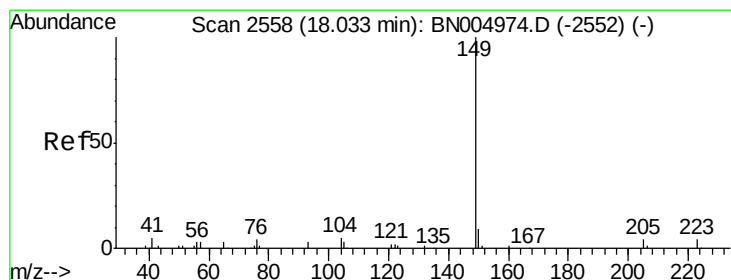
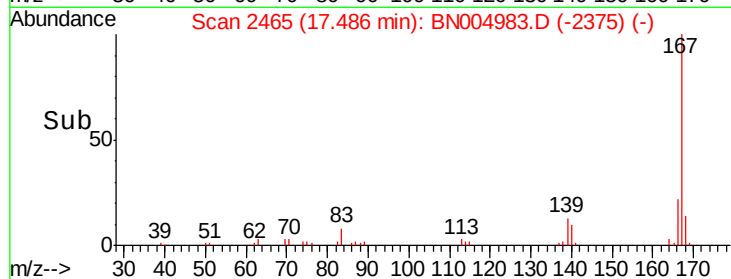
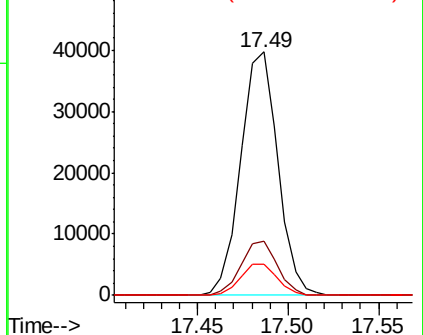
#73
 Carbazole
 Concen: 21.073 ng
 RT: 17.49 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:167 Resp: 56562
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.8 26.8
 139 13.0 10.6 16.0

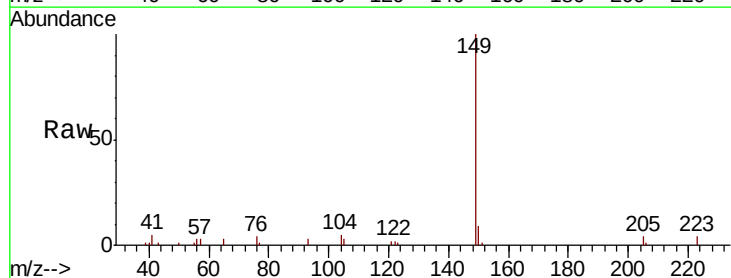


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

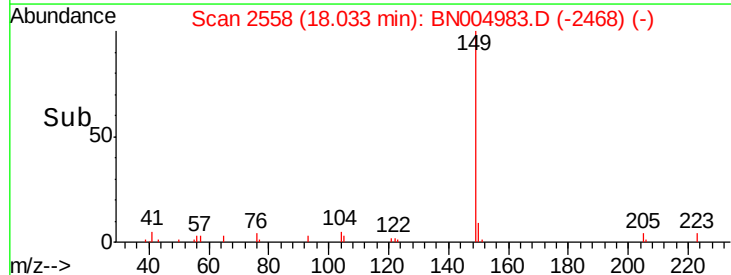
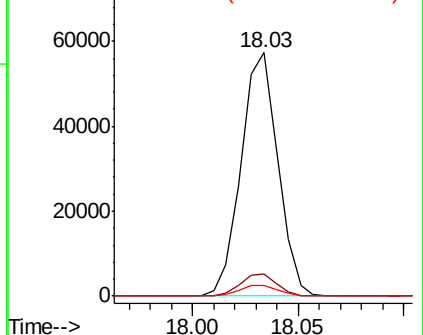


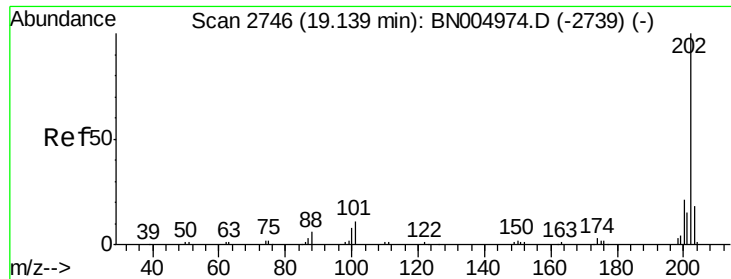
#74
 Di-n-butylphthalate
 Concen: 21.209 ng
 RT: 18.03 min Scan# 2558
 Delta R.T. 0.00 min
 Lab File: BN004983.D
 Acq: 26 Mar 2019 19:05

Tgt Ion:149 Resp: 69347
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 4.5 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

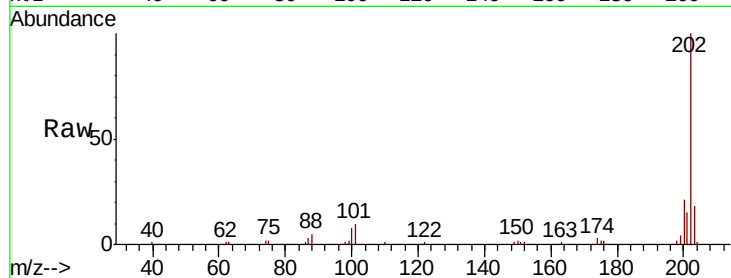




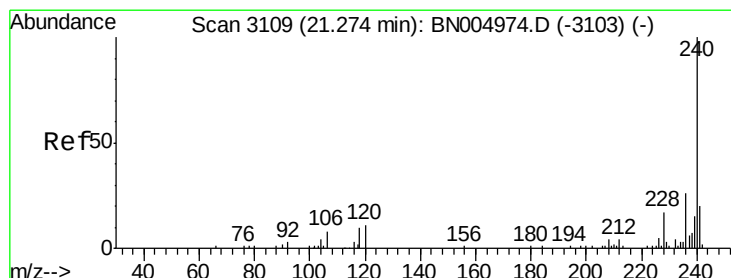
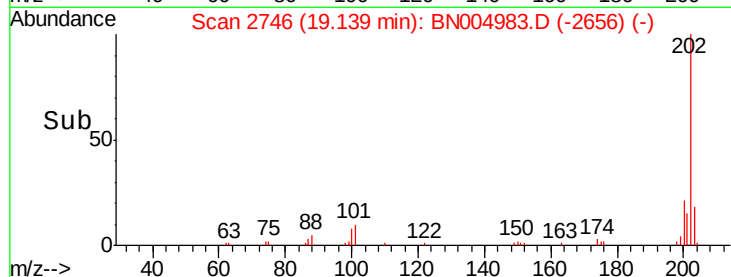
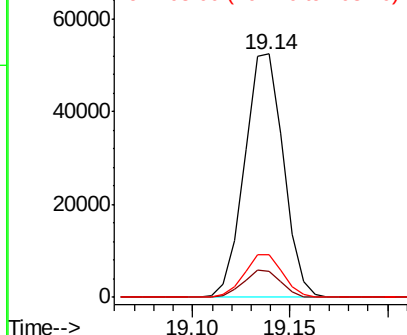
#75
Fluoranthene
Concen: 21.410 ng
RT: 19.14 min Scan# 2746
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:202 Resp: 72362
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.6 0.0 37.5

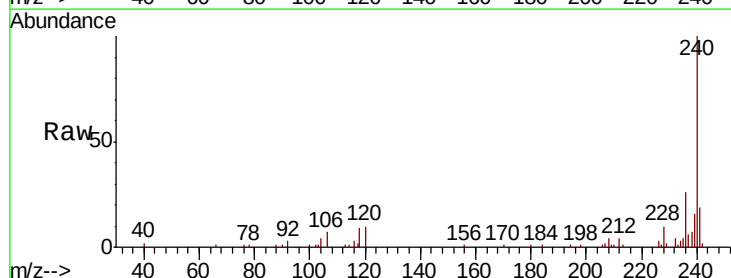


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

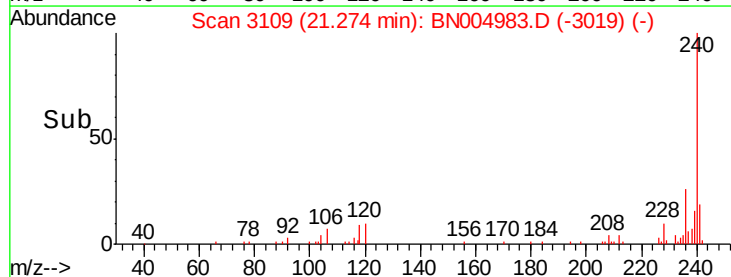
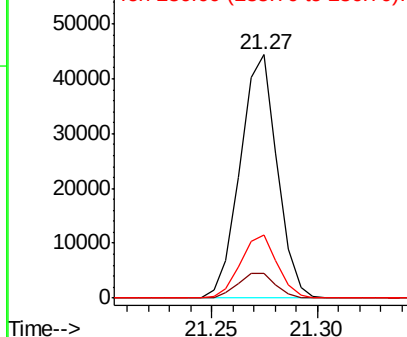


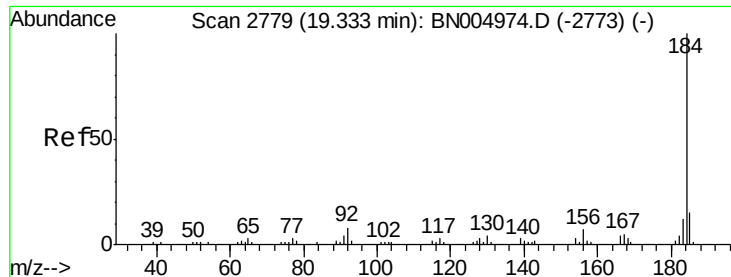
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:240 Resp: 53906
Ion Ratio Lower Upper
240 100
120 9.9 8.5 12.7
236 26.1 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 19.160 ng

RT: 19.33 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

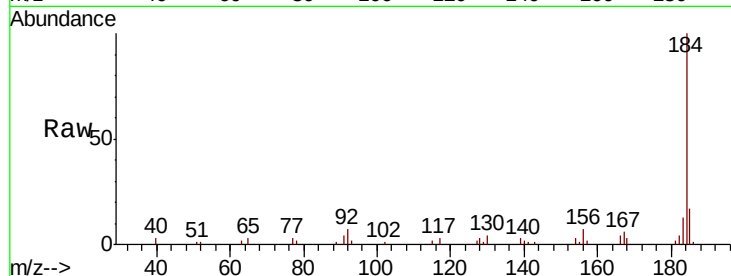
Tgt Ion:184 Resp: 32188

Ion Ratio Lower Upper

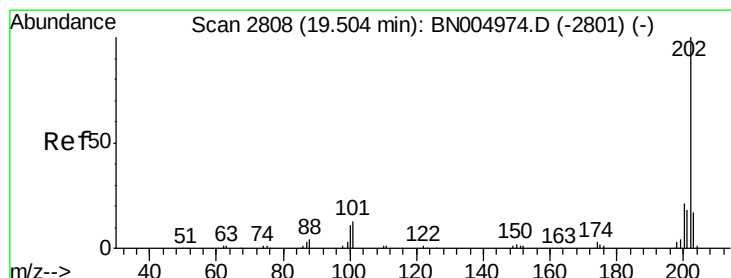
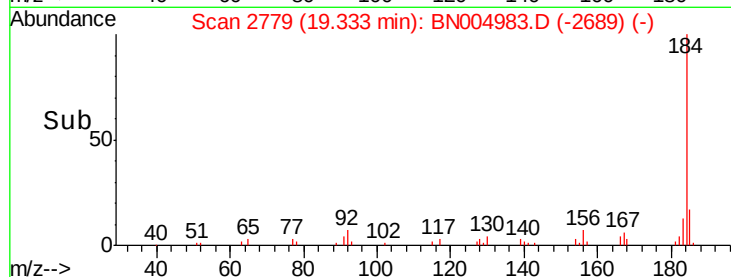
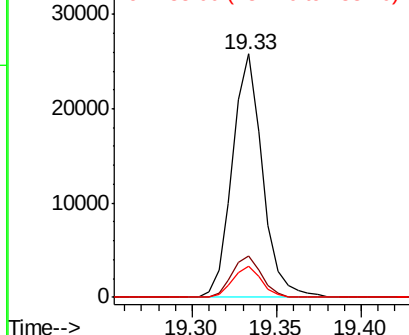
184 100

185 16.7 11.8 17.8

183 12.6 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 20.559 ng

RT: 19.50 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

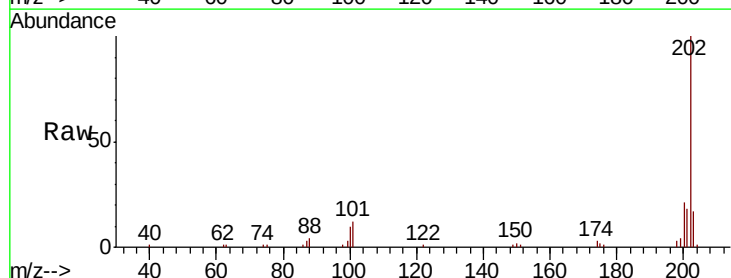
Tgt Ion:202 Resp: 74000

Ion Ratio Lower Upper

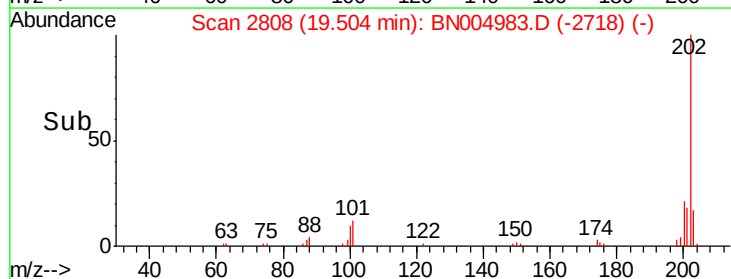
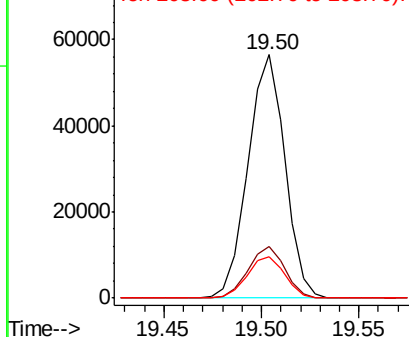
202 100

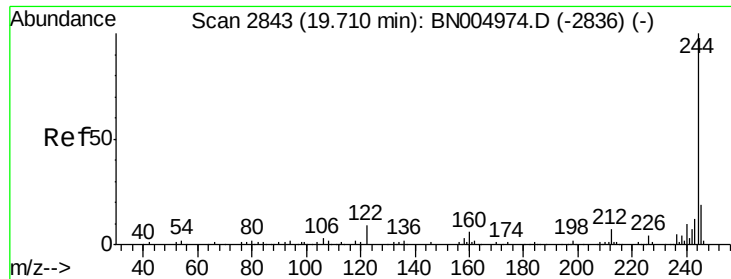
200 21.0 17.0 25.4

203 17.2 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 83.446 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

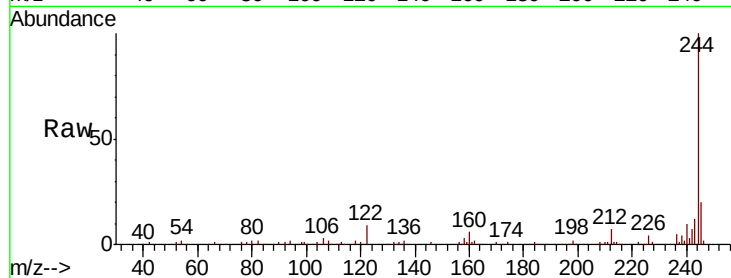
Tgt Ion:244 Resp: 233644

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

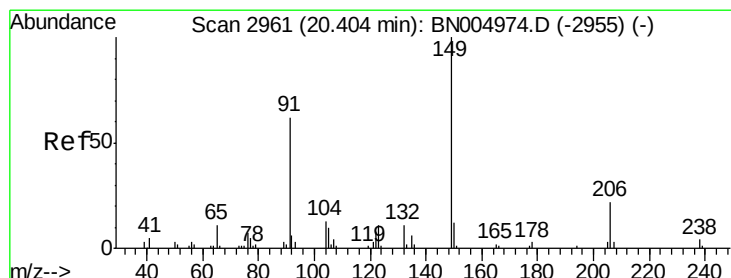
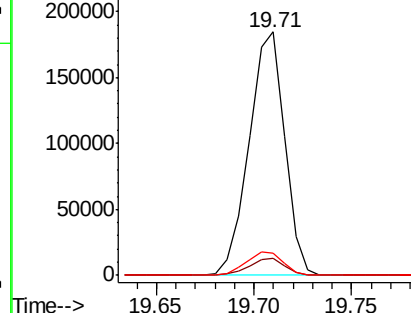
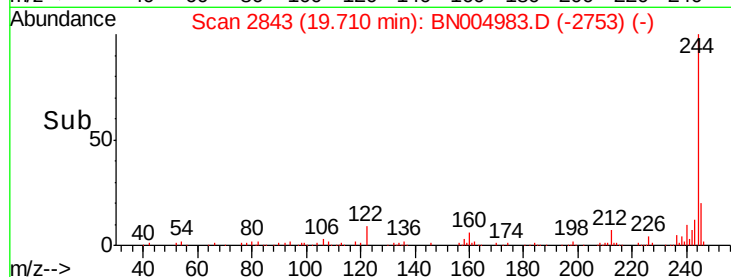
122 9.3 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 20.314 ng

RT: 20.40 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

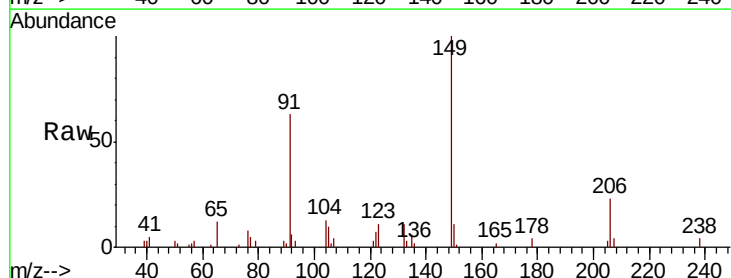
Tgt Ion:149 Resp: 29711

Ion Ratio Lower Upper

149 100

91 62.5 49.3 73.9

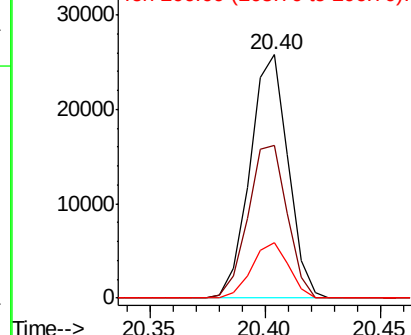
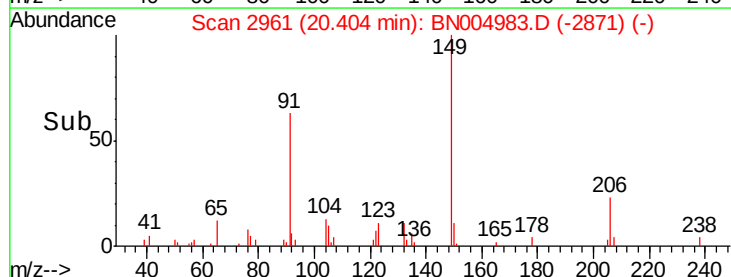
206 23.0 17.9 26.9

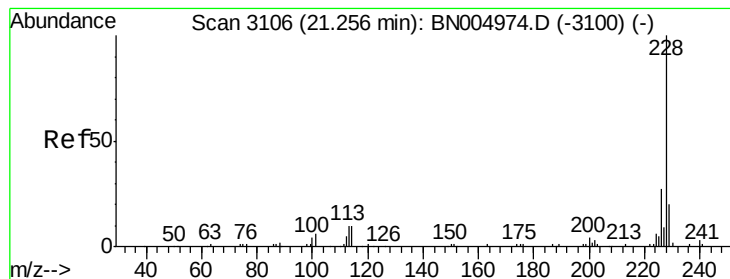


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 20.834 ng

RT: 21.26 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

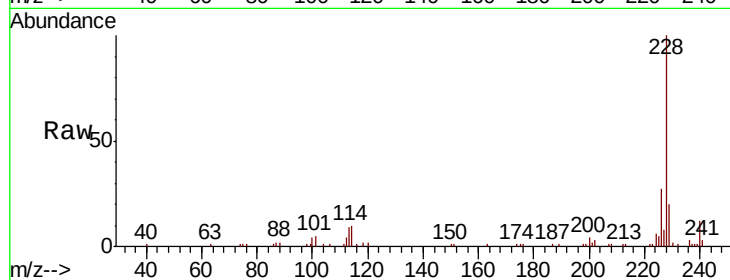
Tgt Ion:228 Resp: 69955

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

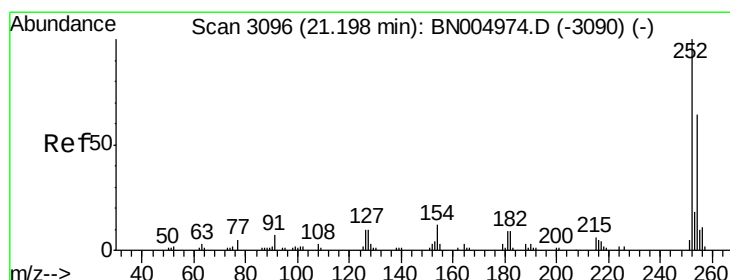
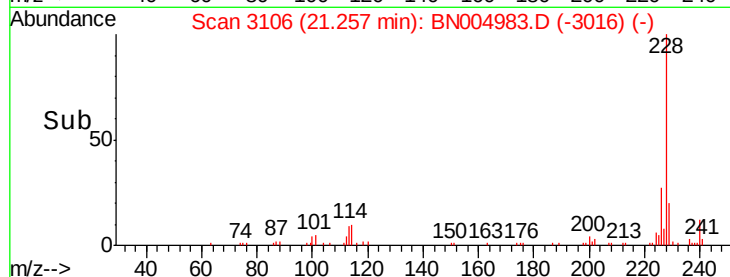
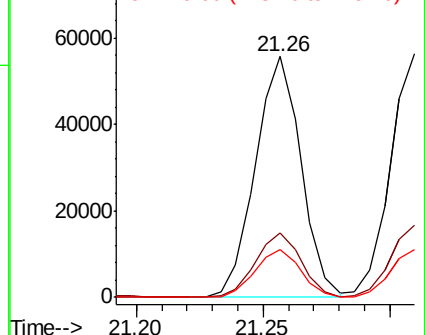
229 19.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 20.624 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

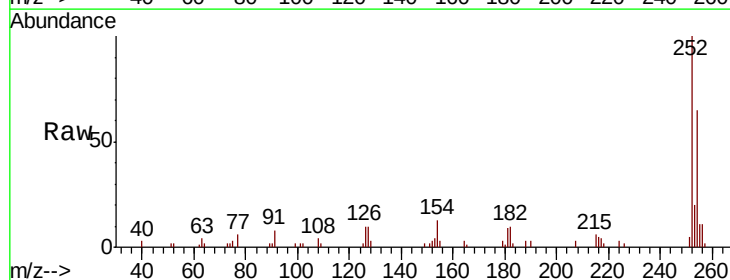
Tgt Ion:252 Resp: 25896

Ion Ratio Lower Upper

252 100

254 65.4 51.5 77.3

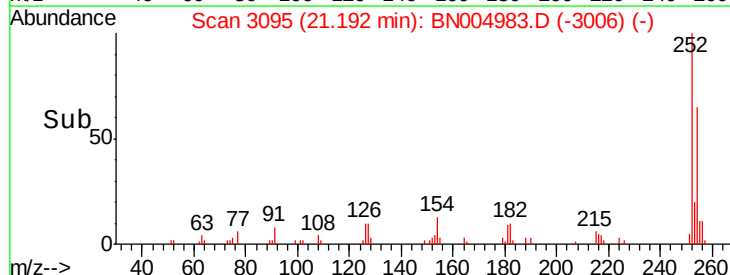
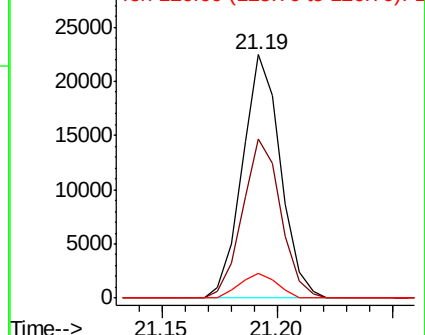
126 10.4 7.9 11.9

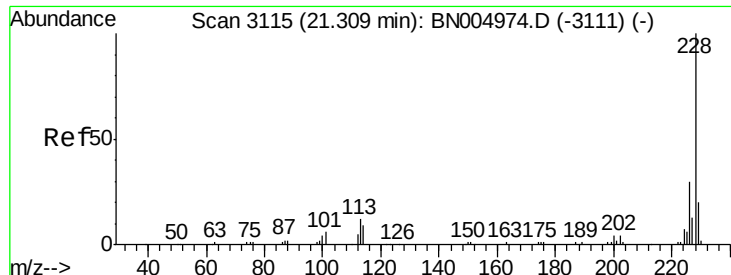


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 20.944 ng

RT: 21.31 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

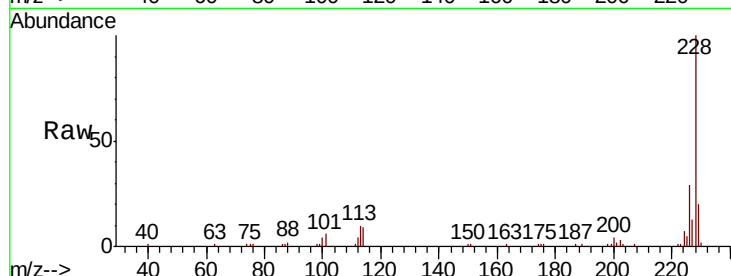
Tgt Ion:228 Resp: 67171

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

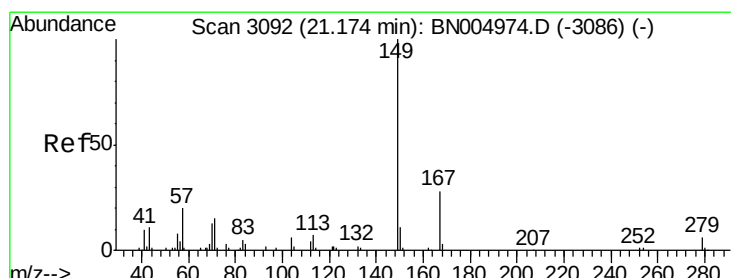
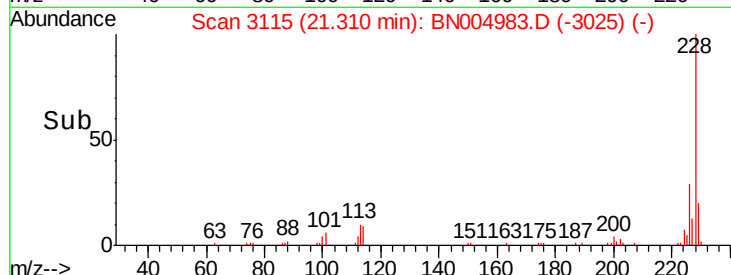
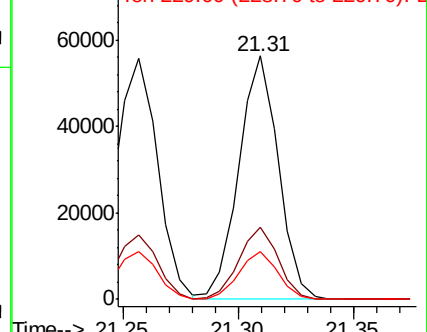
229 19.5 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.749 ng

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

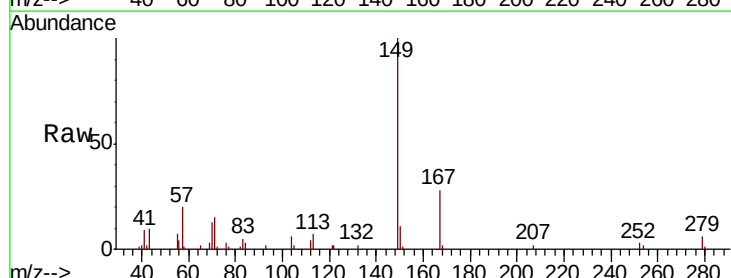
Tgt Ion:149 Resp: 41988

Ion Ratio Lower Upper

149 100

167 28.3 22.5 33.7

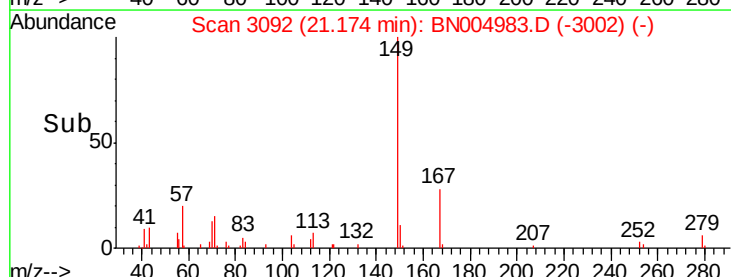
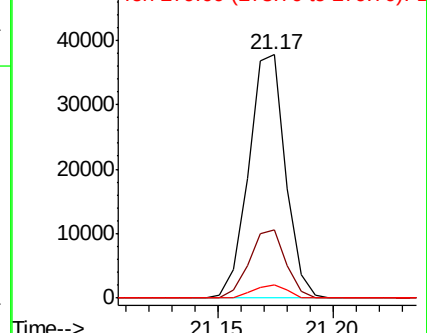
279 5.6 4.5 6.7

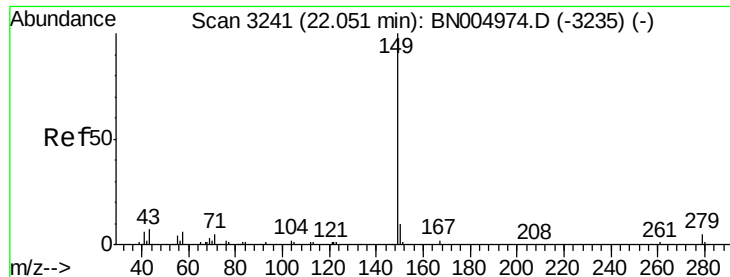


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

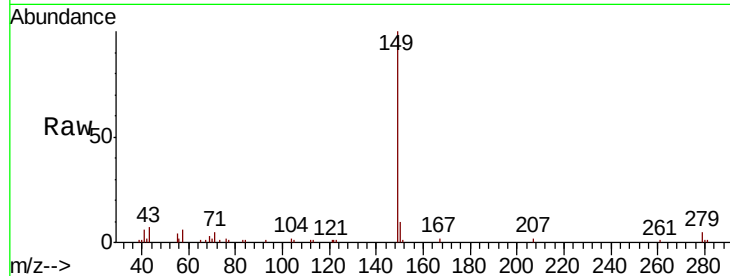




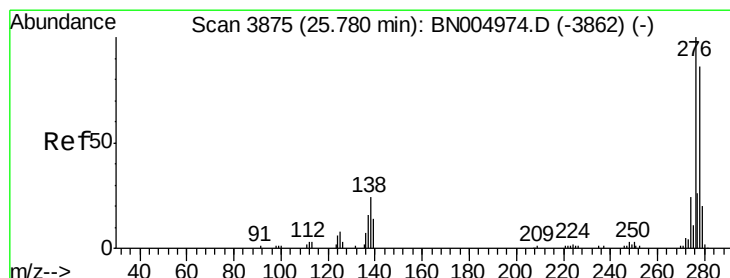
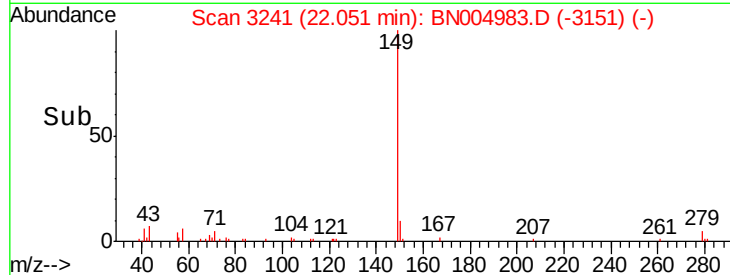
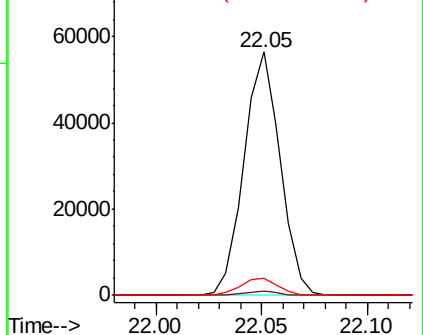
#85
Di-n-octyl phthalate
Concen: 20.513 ng
RT: 22.05 min Scan# 3241
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:149 Resp: 66990
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 7.1 5.8 8.6

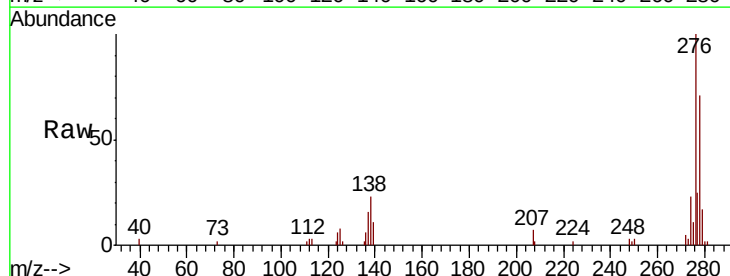


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BNC

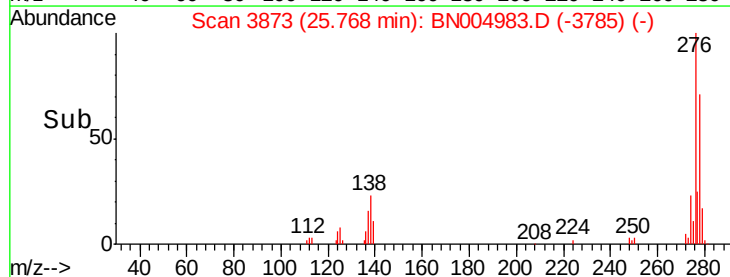
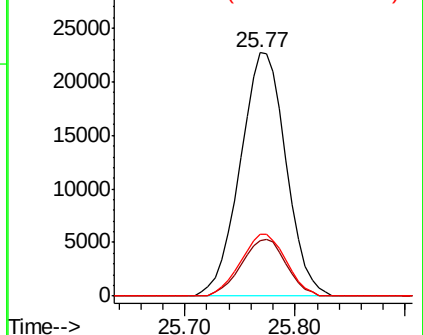


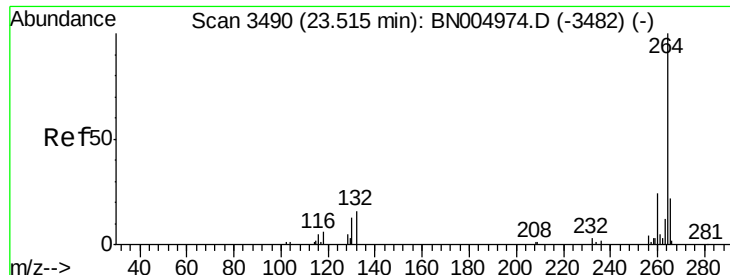
#86
Indeno(1,2,3-cd)pyrene
Concen: 18.125 ng
RT: 25.77 min Scan# 3873
Delta R.T. -0.01 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

Tgt Ion:276 Resp: 66044
Ion Ratio Lower Upper
276 100
138 23.0 18.5 27.7
277 25.2 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



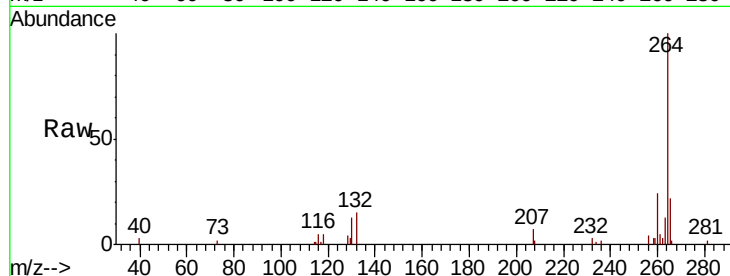


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

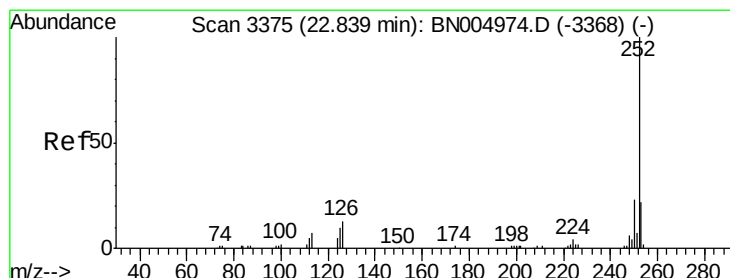
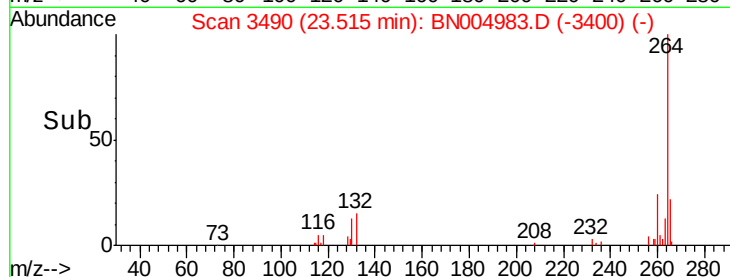
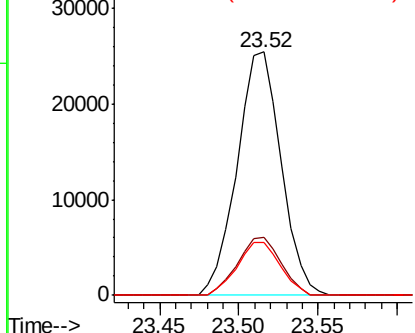
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion: 264 Resp: 48996

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.8	17.2	25.8



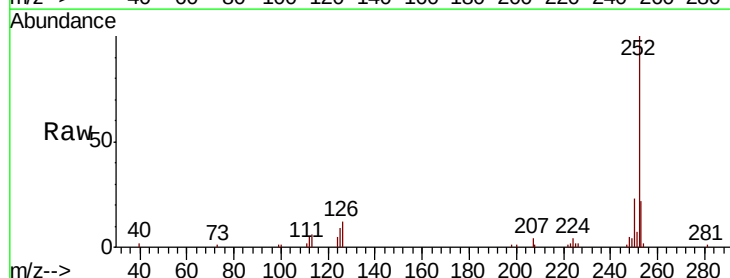
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



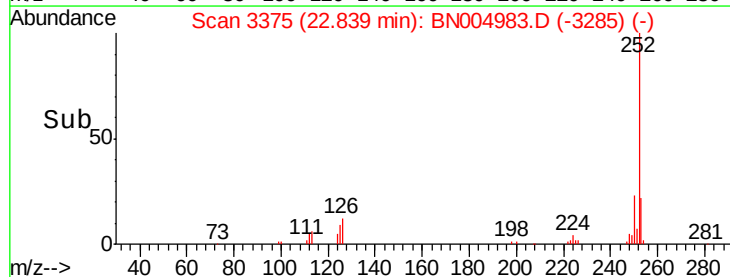
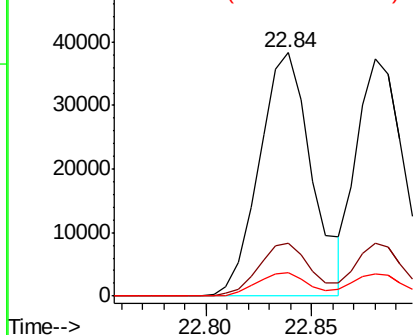
#88
Benzo(b)fluoranthene
Concen: 22.000 ng
RT: 22.84 min Scan# 3375
Delta R.T. 0.00 min
Lab File: BN004983.D
Acq: 26 Mar 2019 19:05

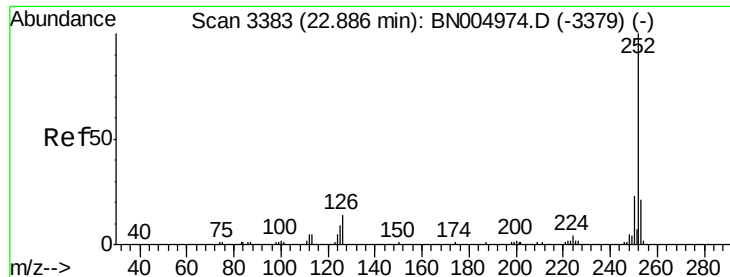
Tgt Ion: 252 Resp: 66349

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.4	8.1	12.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 20.924 ng

RT: 22.88 min Scan# 3382

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

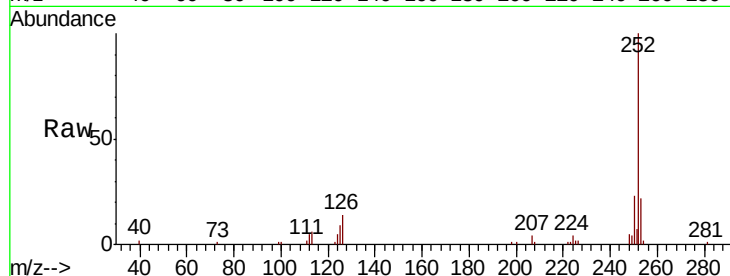
Tgt Ion:252 Resp: 57868

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

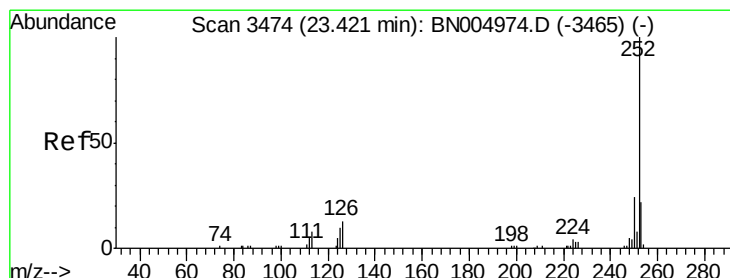
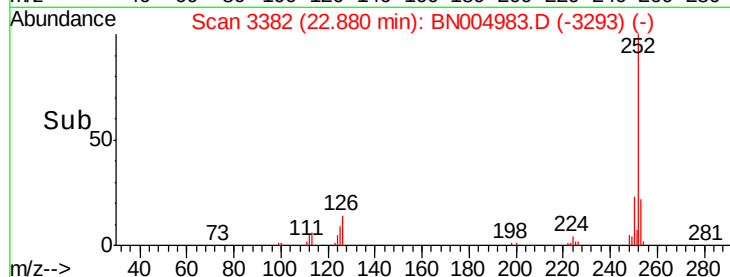
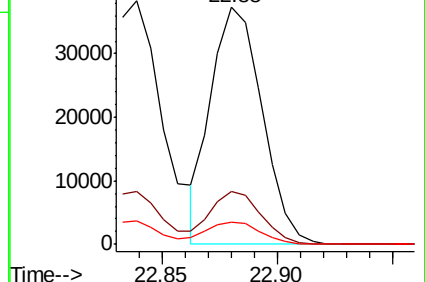
125 9.5 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 20.939 ng

RT: 23.42 min Scan# 3473

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

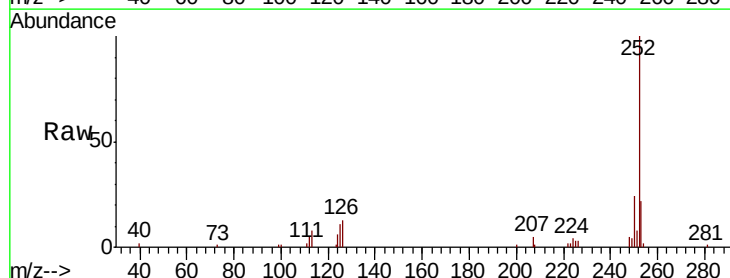
Tgt Ion:252 Resp: 57788

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

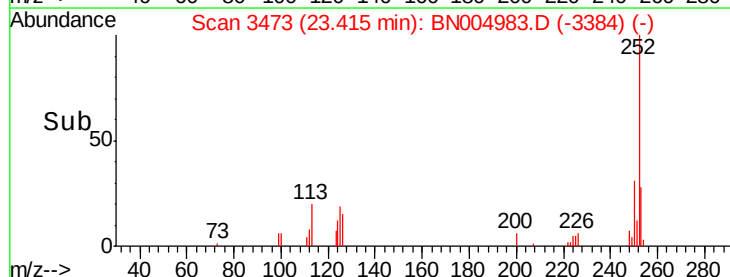
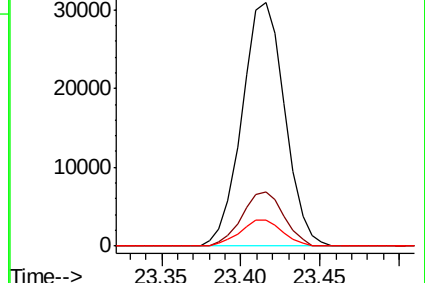
125 10.7 8.2 12.4

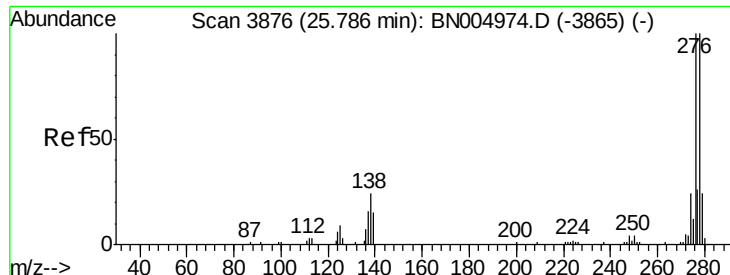


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 19.690 ng

RT: 25.78 min Scan# 3875

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

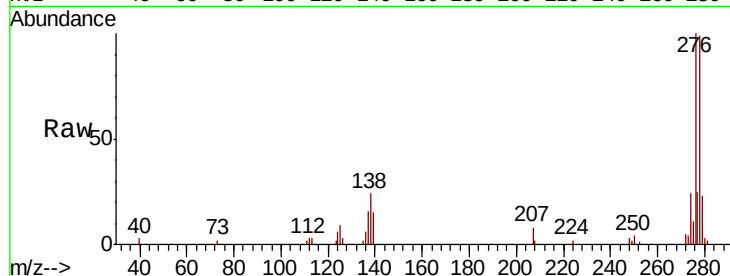
Tgt Ion:278 Resp: 54553

Ion Ratio Lower Upper

278 100

139 15.4 11.8 17.8

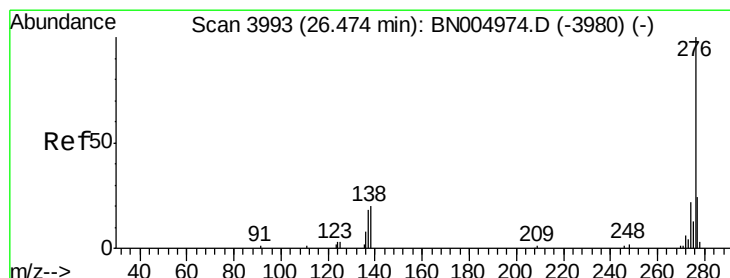
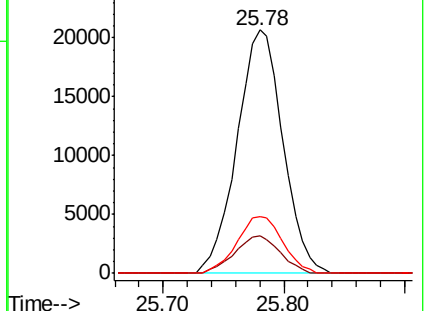
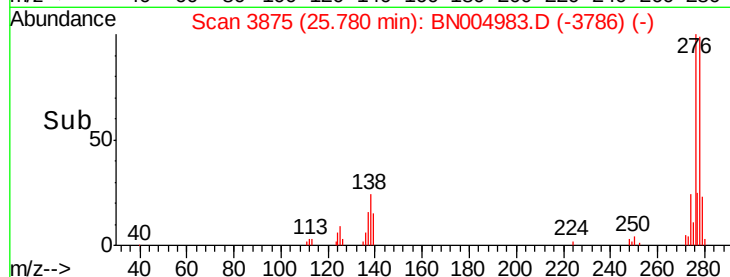
279 23.5 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 19.223 ng

RT: 26.47 min Scan# 3992

Delta R.T. -0.01 min

Lab File: BN004983.D

Acq: 26 Mar 2019 19:05

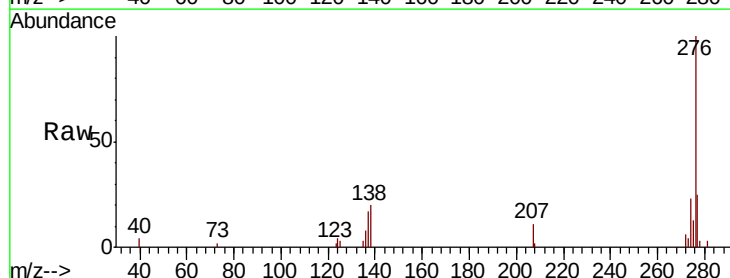
Tgt Ion:276 Resp: 52672

Ion Ratio Lower Upper

276 100

277 25.0 19.5 29.3

138 20.5 16.2 24.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

