

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096731.D
 Acq On : 13 Jul 2017 16:51
 Operator : SJ/JU
 Sample : I3757-02
 Misc : 20PPM L00
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Quant Time: Jul 14 01:06:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	105305	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	499500	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	222203	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	371933	20.00	ng	0.00
75) Chrysene-d12	13.77	240	228436	20.00	ng	0.00
86) Perylene-d12	15.15	264	172287	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	781195	111.54	ng	0.00
7) Phenol-d6	6.28	99	966196	114.96	ng	0.00
23) Nitrobenzene-d5	7.20	82	697600	86.51	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	210798	111.14	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1162577	82.66	ng	0.00
78) Terphenyl-d14	12.73	244	927811	70.44	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.24	88	76830	21.32	ng	# 75
3) Pyridine	2.93	79	151334	19.98	ng	# 61
4) n-Nitrosodimethylamine	2.84	42	84224	19.89	ng	# 83
6) Aniline	6.30	93	206632	19.96	ng	# 80
8) 2-Chlorophenol	6.42	128	153458	20.31	ng	98
9) Benzaldehyde	6.17	77	78038	16.06	ng	99
10) Phenol	6.29	94	188361	19.83	ng	80
11) bis(2-Chloroethyl)ether	6.37	93	144251	20.19	ng	92
12) 1,3-Dichlorobenzene	6.57	146	169325	21.08	ng	98
13) 1,4-Dichlorobenzene	6.65	146	168579	20.73	ng	95
14) 1,2-Dichlorobenzene	6.80	146	158240	21.39	ng	99
15) Benzyl Alcohol	6.78	79	119919	21.79	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.92	45	305896	20.75	ng	91
17) 2-Methylphenol	6.90	107	119594	20.36	ng	97
18) Hexachloroethane	7.15	117	67003	23.23	ng	# 79
19) n-Nitroso-di-n-propylamine	7.06	70	104732	20.68	ng	# 86
20) 3+4-Methylphenols	7.05	107	154178	21.62	ng	# 83
22) Acetophenone	7.05	105	207638	18.60	ng	98
24) Nitrobenzene	7.22	77	174678	20.94	ng	94
25) Isophorone	7.46	82	312669	20.84	ng	98
26) 2-Nitrophenol	7.53	139	95639	20.62	ng	# 86
27) 2,4-Dimethylphenol	7.58	122	158314	20.75	ng	95
28) bis(2-Chloroethoxy)methane	7.67	93	210558	20.77	ng	99
29) 2,4-Dichlorophenol	7.77	162	140724	20.38	ng	94
30) 1,2,4-Trichlorobenzene	7.86	180	134383	20.47	ng	96
31) Naphthalene	7.94	128	491225	20.76	ng	99
32) Benzoic acid	7.69	122	101230	20.76	ng	92
33) 4-Chloroaniline	7.99	127	202045	21.55	ng	98
34) Hexachlorobutadiene	8.06	225	72683	20.74	ng	95
35) Caprolactam	8.35	113	45612	20.61	ng	# 67
36) 4-Chloro-3-methylphenol	8.47	107	153792	20.71	ng	90
37) 2-Methylnaphthalene	8.63	142	317241	21.03	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	127304	21.19	ng	99
40) Hexachlorocyclopentadiene	8.79	237	35810	19.85	ng	98

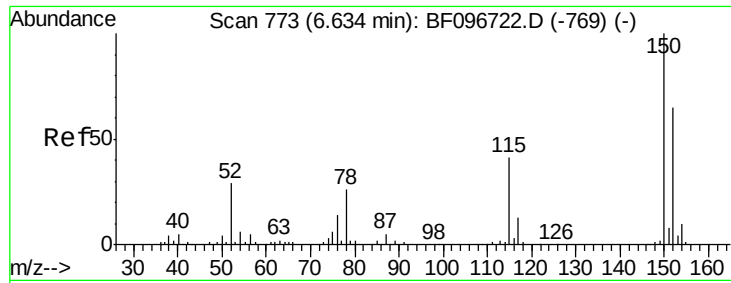
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.91	196	90661	20.46	nq	97
43) 2,4,5-Trichlorophenol	8.95	196	93664	20.96	nq	95
45) 1,1'-Biphenyl	9.09	154	410720	21.55	nq	97
46) 2-Chloronaphthalene	9.12	162	295973	21.09	nq	94
47) 2-Nitroaniline	9.21	65	104415	21.65	nq	93
48) Acenaphthylene	9.53	152	476661	21.32	nq	98
49) Dimethylphthalate	9.40	163	349832	20.91	nq	98
50) 2,6-Dinitrotoluene	9.45	165	76723	21.17	nq	# 81
51) Acenaphthene	9.70	154	275538	20.86	nq	100
52) 3-Nitroaniline	9.62	138	91462	21.30	nq	93
53) 2,4-Dinitrophenol	9.73	184	27597	20.82	nq	# 73
54) Dibenzofuran	9.87	168	390595	21.10	nq	100
55) 4-Nitrophenol	9.79	139	64360	20.52	nq	# 73
56) 2,4-Dinitrotoluene	9.86	165	98380	21.13	nq	# 87
57) Fluorene	10.21	166	303177	22.17	nq	97
58) 2,3,4,6-Tetrachlorophenol	9.99	232	64762	20.90	nq	# 98
59) Diethylphthalate	10.10	149	350021	21.49	nq	98
60) 4-Chlorophenyl-phenylether	10.21	204	127441	19.22	nq	94
61) 4-Nitroaniline	10.23	138	81856	20.30	nq	90
62) Azobenzene	10.37	77	304589	21.20	nq	92
64) 4,6-Dinitro-2-methylphenol	10.26	198	44883	19.22	nq	91
65) n-Nitrosodiphenylamine	10.33	169	278169	20.92	nq	99
66) 4-Bromophenyl-phenylether	10.69	248	79046	20.82	nq	95
67) Hexachlorobenzene	10.76	284	87871	20.78	nq	# 88
68) Atrazine	10.86	200	78819	20.81	nq	98
69) Pentachlorophenol	10.96	266	42750	20.92	nq	94
70) Phenanthrene	11.17	178	434679	21.49	nq	99
71) Anthracene	11.22	178	438144	21.43	nq	99
72) Carbazole	11.37	167	416050	21.01	nq	98
73) Di-n-butylphthalate	11.72	149	483226	19.60	nq	98
74) Fluoranthene	12.35	202	411320	21.25	nq	98
76) Benzidine	12.47	184	123420	16.49	nq	97
77) Pyrene	12.57	202	418720	20.20	nq	98
79) Butylbenzylphthalate	13.20	149	197664	40.13	nq	# 79
80) Benzo(a)anthracene	13.76	228	285330	20.05	nq	99
81) 3,3'-Dichlorobenzidine	13.73	252	93088	18.19	nq	# 95
82) Chrysene	13.80	228	278584	19.88	nq	99
83) Bis(2-ethylhexyl)phthalate	13.77	149	241197	20.11	nq	# 100
84) Di-n-octyl phthalate	14.38	149	387360	19.53	nq	# 94
85) Indeno(1,2,3-cd)pyrene	16.46	276	214846	18.92	nq	97
87) Benzo(b)fluoranthene	14.77	252	223017	21.46	nq	97
88) Benzo(k)fluoranthene	14.79	252	218808	22.24	nq	96
89) Benzo(a)pyrene	15.10	252	204149	21.42	nq	99
90) Dibenzo(a,h)anthracene	16.47	278	175252	19.98	nq	97
91) Benzo(g,h,i)perylene	16.84	276	184829	19.68	nq	99

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

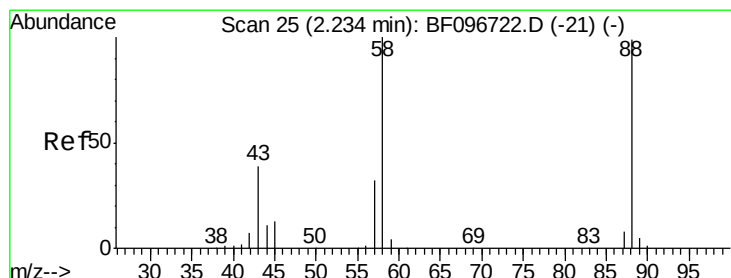
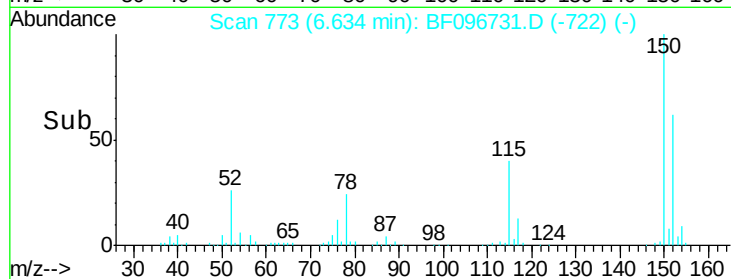
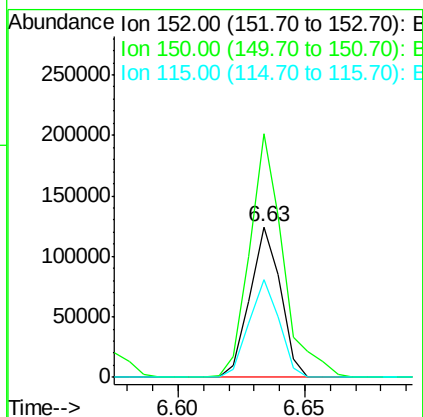
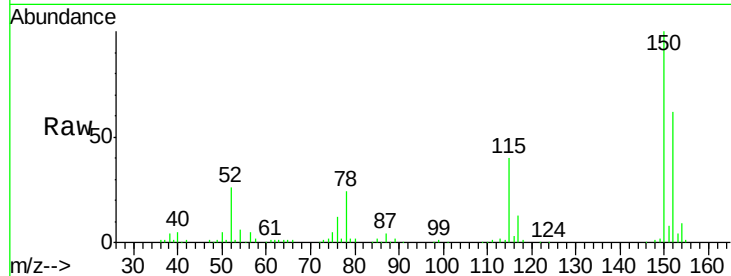


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

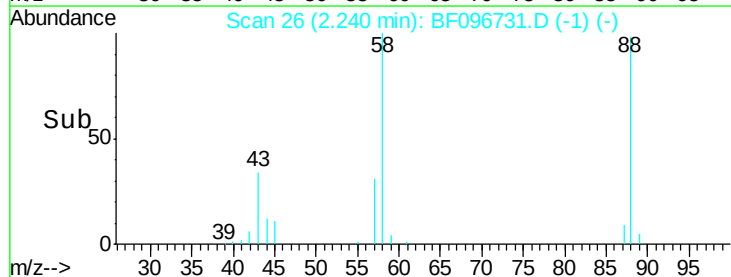
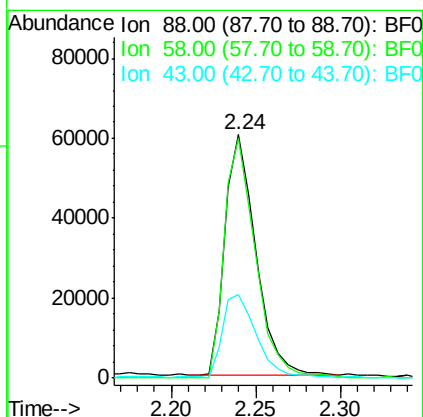
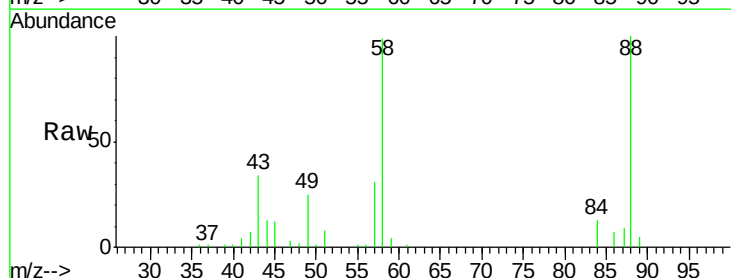
Tot Ion:152 Resp: 105305
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 65.2 52.2 78.2

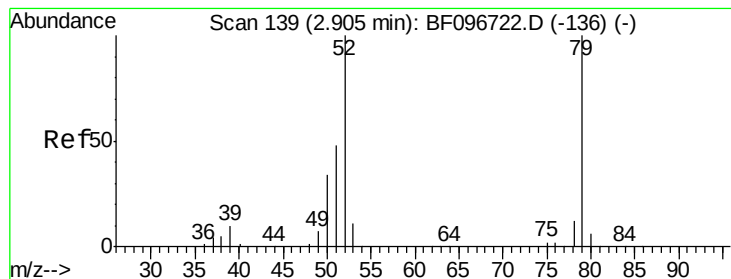


#2

1,4-Dioxane
Concen: 21.32 ng
RT: 2.24 min Scan# 26
Delta R.T. 0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 88 Resp: 76830
Ion Ratio Lower Upper
88 100
58 100.1 61.4 92.0#
43 39.0 23.4 35.0#





#3

Pvridine

Concen: 19.98 ng

RT: 2.93 min Scan# 144

Delta R.T. 0.03 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

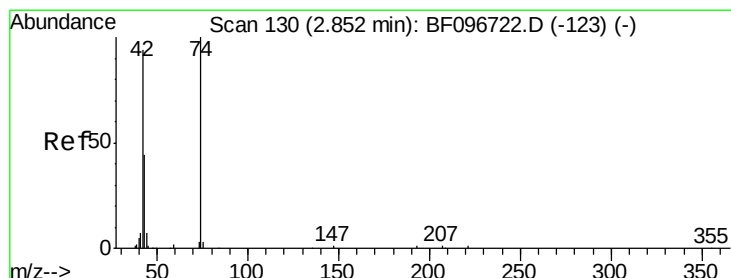
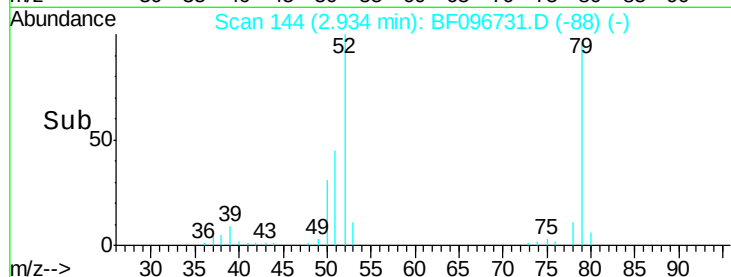
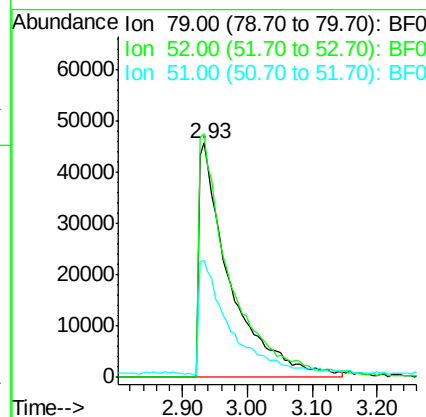
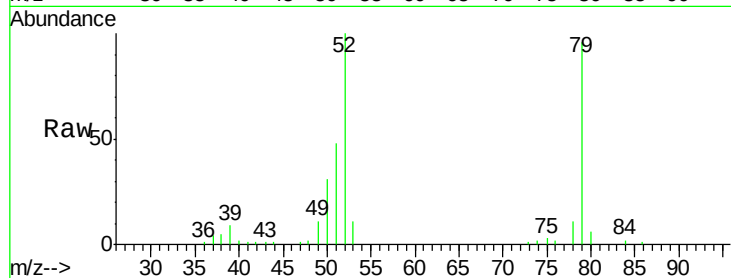
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tot Ion: 79 Resp: 151334

Ion	Ratio	Lower	Upper
79	100		
52	104.0	54.8	82.2#
51	50.1	27.0	40.4#



#4

n-Nitrosodimethylamine

Concen: 19.89 ng

RT: 2.84 min Scan# 128

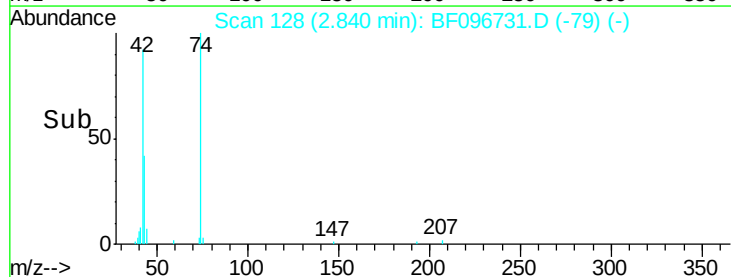
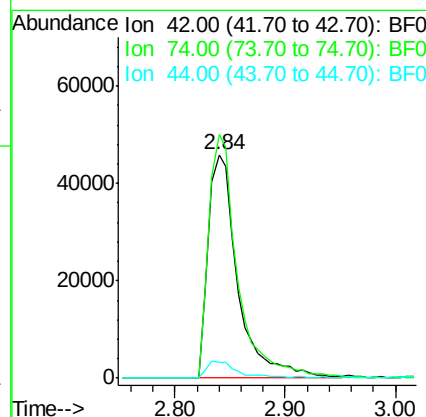
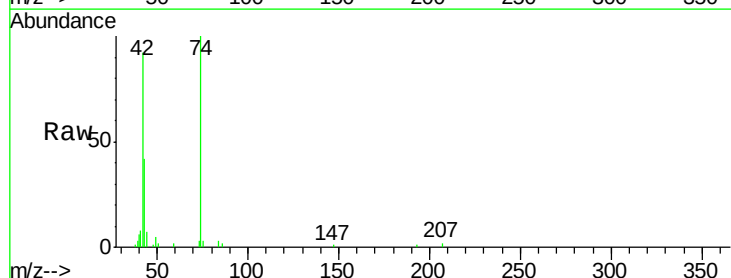
Delta R.T. -0.01 min

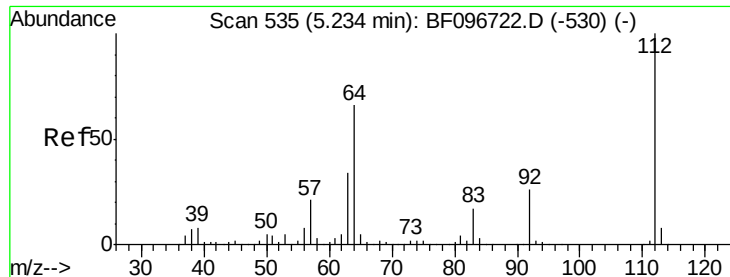
Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion: 42 Resp: 84224

Ion	Ratio	Lower	Upper
42	100		
74	108.9	103.9	155.9
44	7.2	5.7	8.5





#5

2-Fluorophenol

Concen: 111.54 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

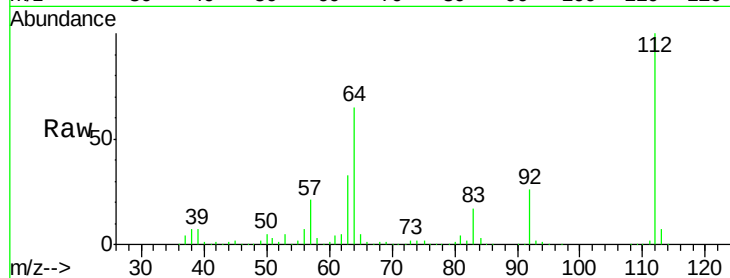
Tot Ion:112 Resp: 781195

Ion Ratio Lower Upper

112 100

64 64.7 46.0 69.0

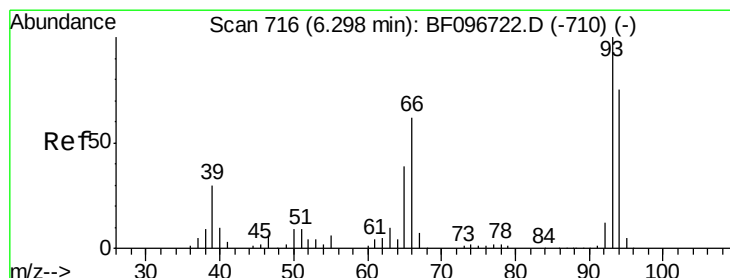
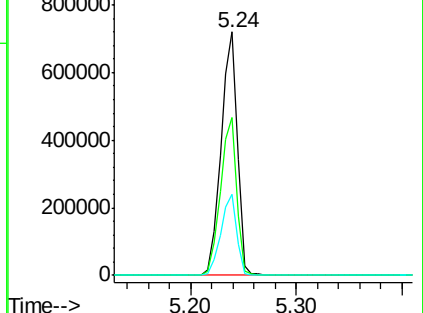
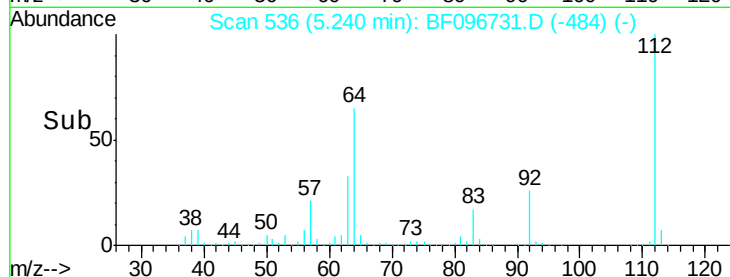
63 33.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.96 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

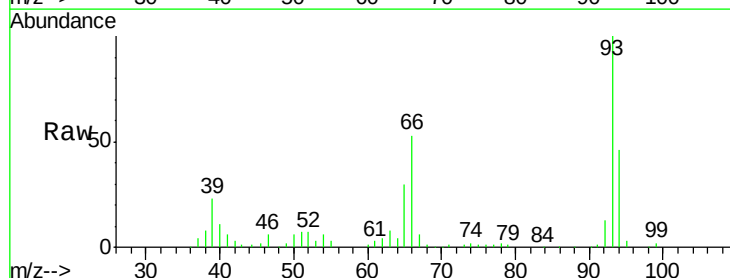
Tgt Ion: 93 Resp: 206632

Ion Ratio Lower Upper

93 100

66 52.7 32.9 49.3#

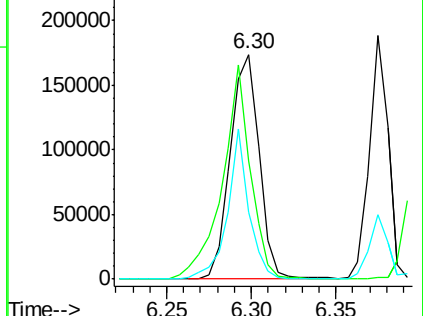
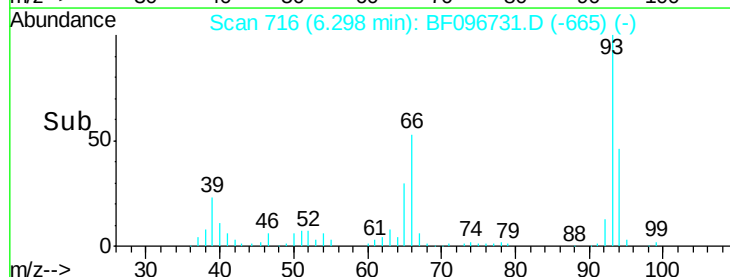
65 30.0 16.0 24.0#

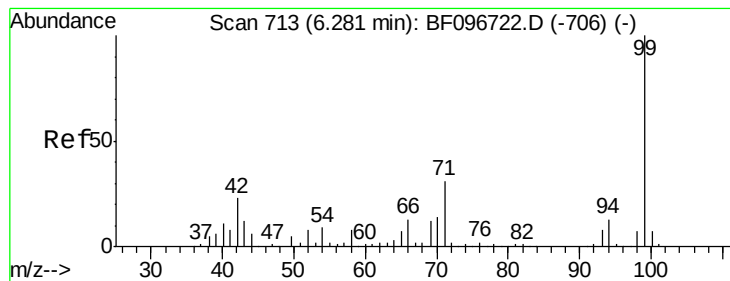


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.96 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

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ClientSampleId :

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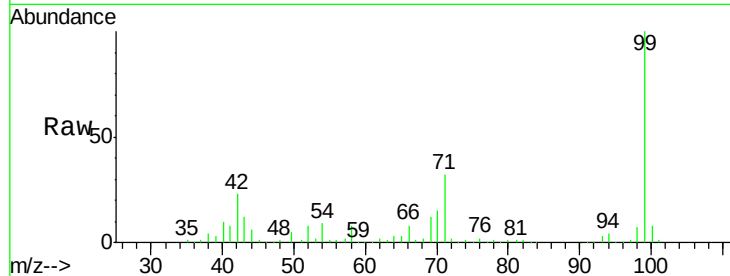
Tot Ion: 99 Resp: 966196

Ion Ratio Lower Upper

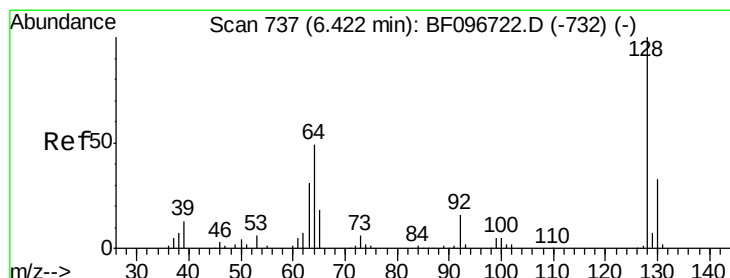
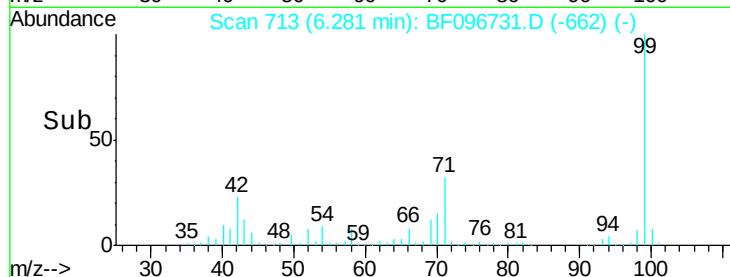
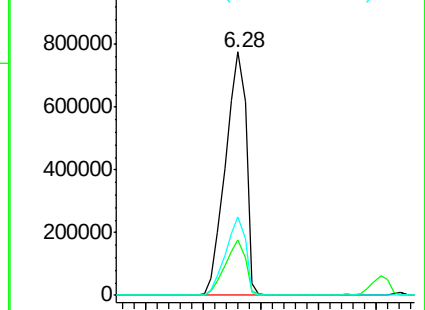
99 100

42 23.0 13.5 20.3#

71 32.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 20.31 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

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Acq: 13 Jul 2017 16:51

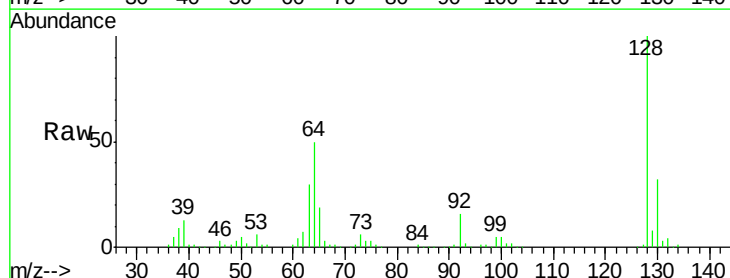
Tgt Ion: 128 Resp: 153458

Ion Ratio Lower Upper

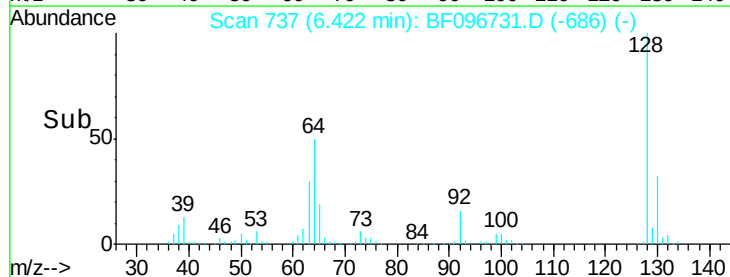
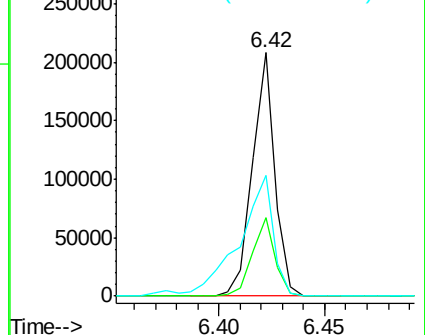
128 100

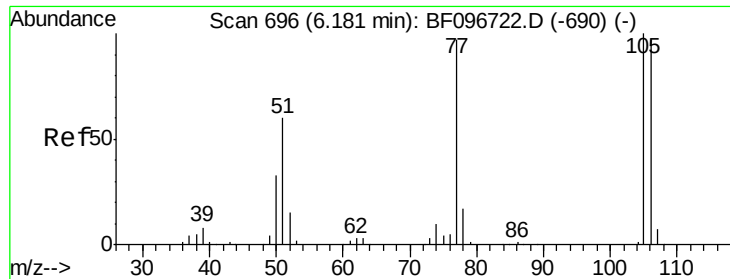
130 32.2 12.9 52.9

64 49.7 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

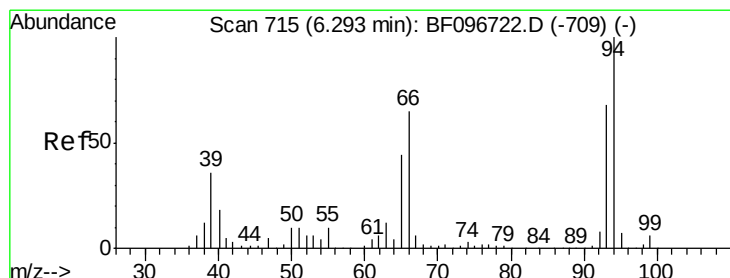
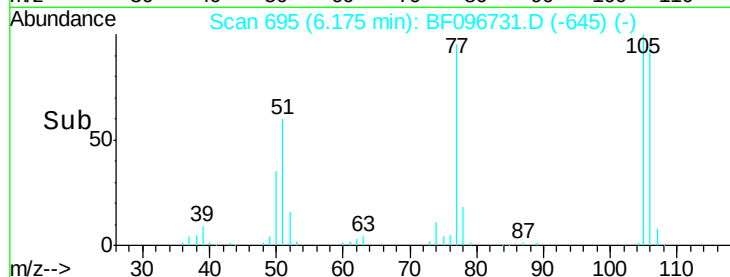
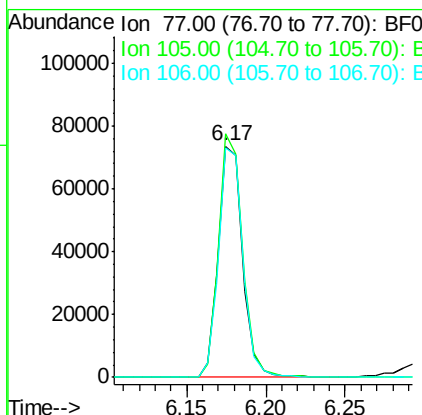
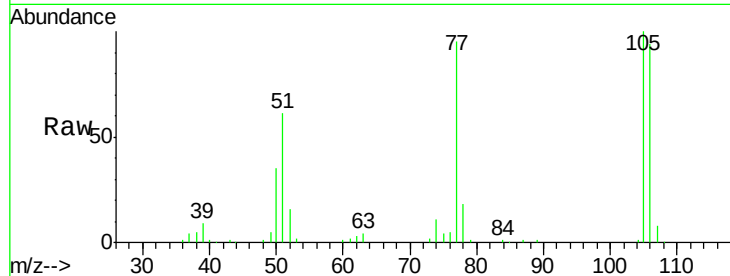




#9
Benzaldehyde
Concen: 16.06 ng
RT: 6.17 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

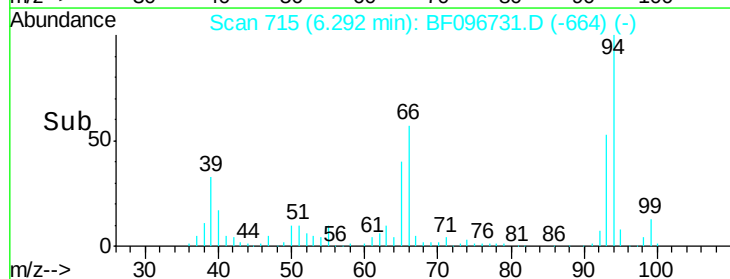
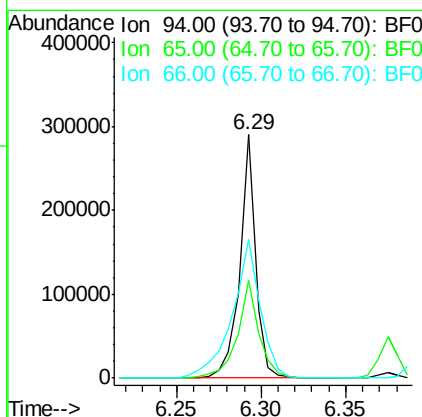
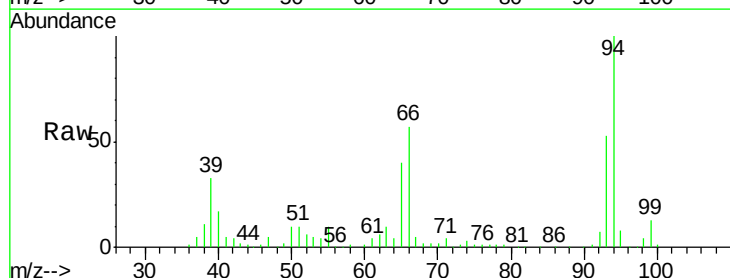
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

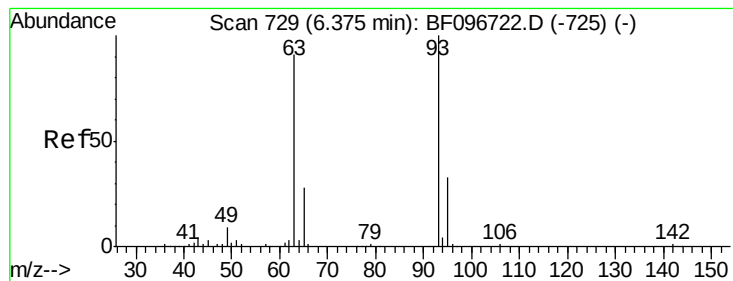
Tot Ion: 77 Resp: 78038
Ion Ratio Lower Upper
77 100
105 105.3 83.8 123.8
106 99.2 79.1 119.1



#10
Phenol
Concen: 19.83 ng
RT: 6.29 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 94 Resp: 188361
Ion Ratio Lower Upper
94 100
65 40.0 9.9 49.9
66 57.0 23.1 63.1

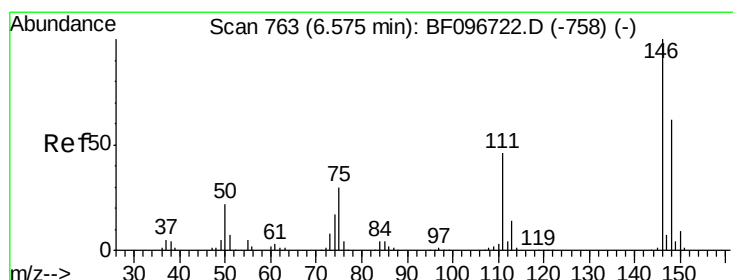
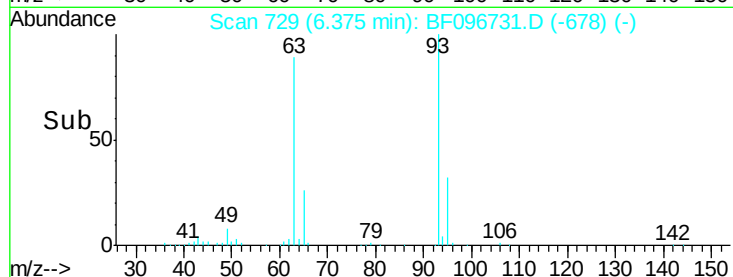
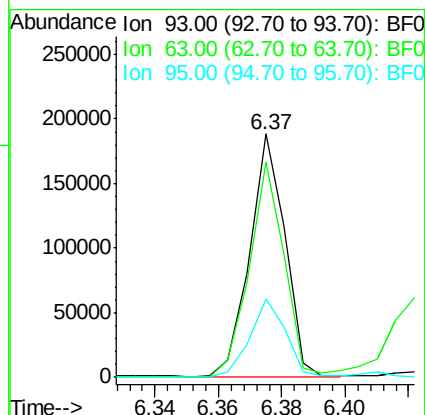
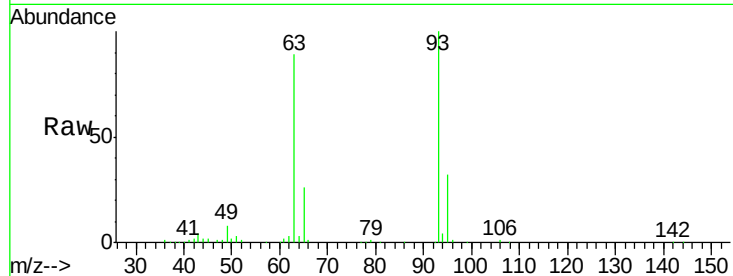




#11
bis(2-Chloroethyl)ether
Concen: 20.19 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

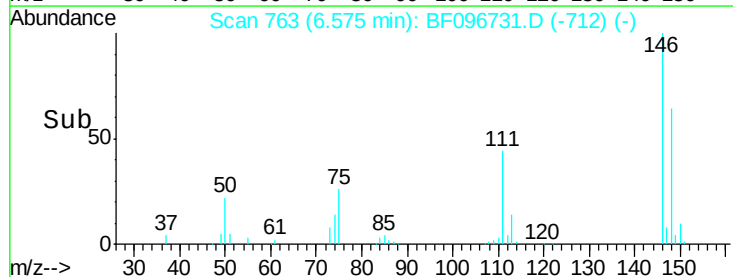
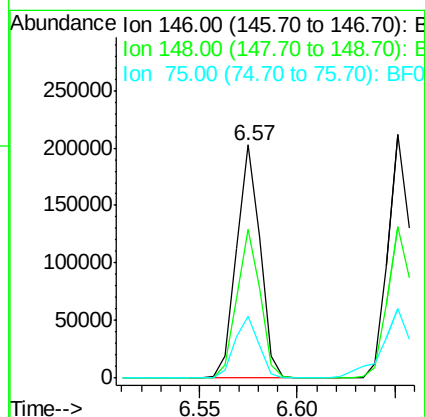
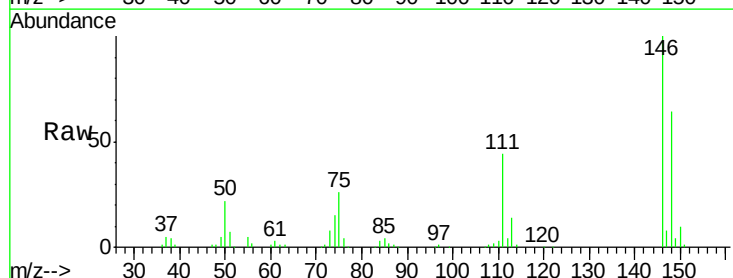
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

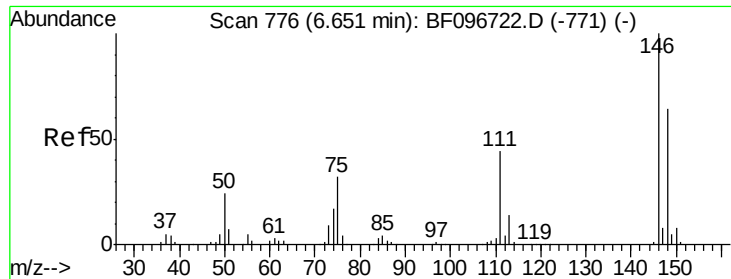
Tot Ion: 93 Resp: 144251
Ion Ratio Lower Upper
93 100
63 88.6 59.2 99.2
95 32.2 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 21.08 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 146 Resp: 169325
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.6
75 26.5 23.1 34.7

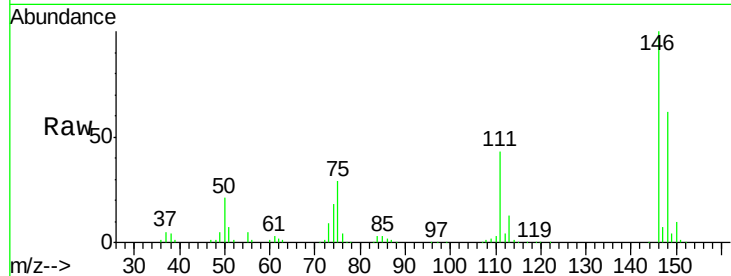




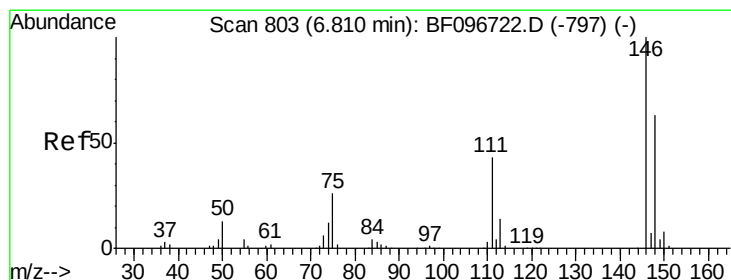
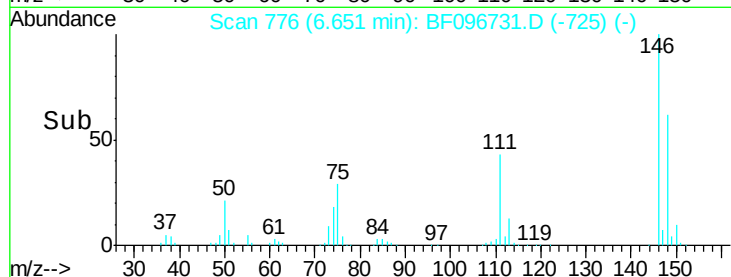
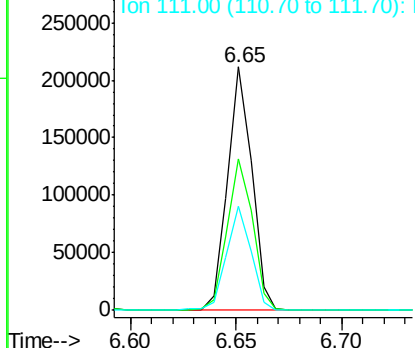
#13
 1,4-Dichlorobenzene
 Concen: 20.73 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tot Ion:146 Resp: 168579
 Ion Ratio Lower Upper
 146 100
 148 62.5 52.2 78.2
 111 42.5 30.3 45.5

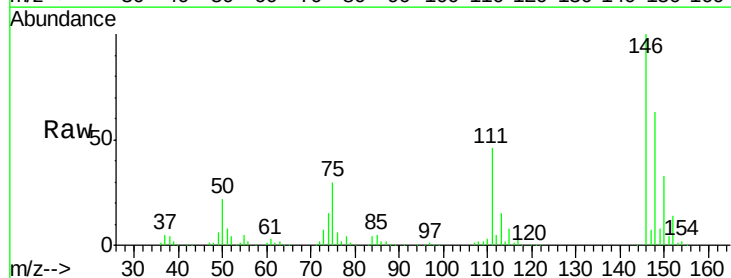


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

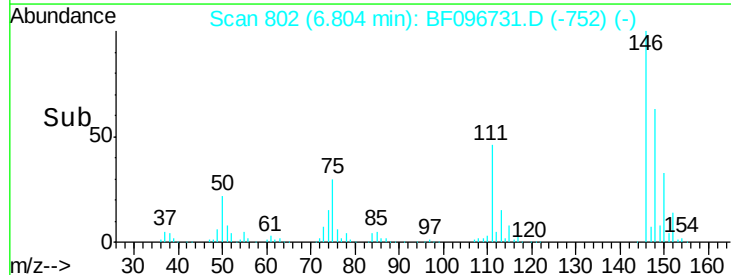
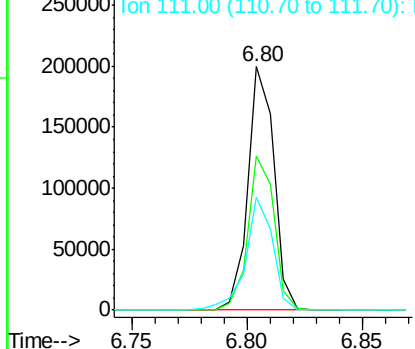


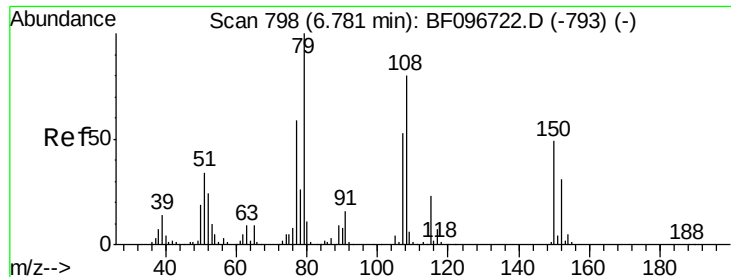
#14
 1,2-Dichlorobenzene
 Concen: 21.39 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:146 Resp: 158240
 Ion Ratio Lower Upper
 146 100
 148 63.4 50.4 75.6
 111 46.2 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

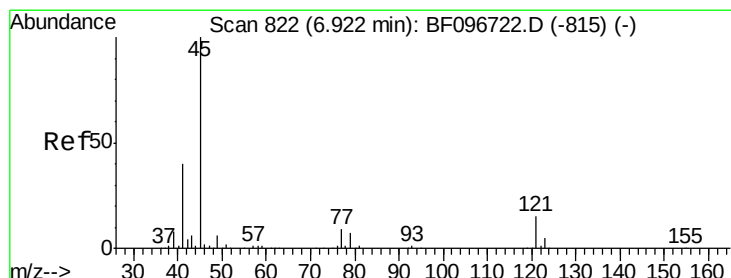
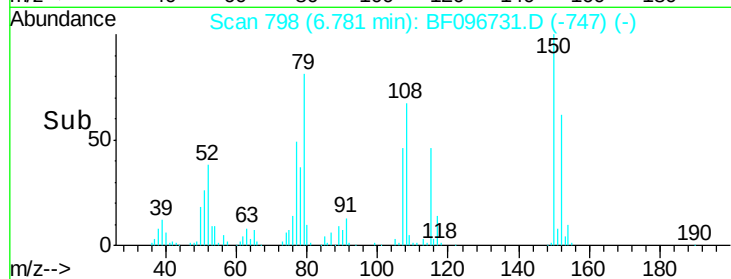
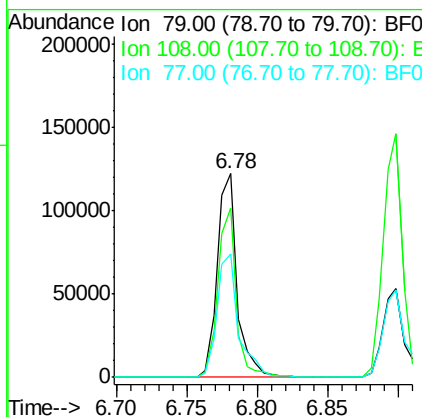
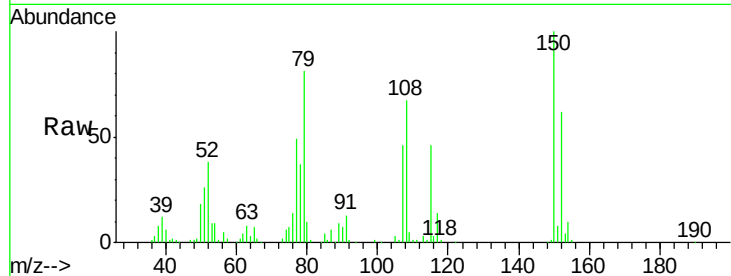




#15
Benzyl Alcohol
Concen: 21.79 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

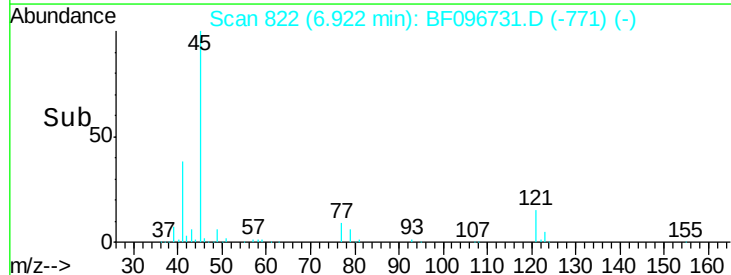
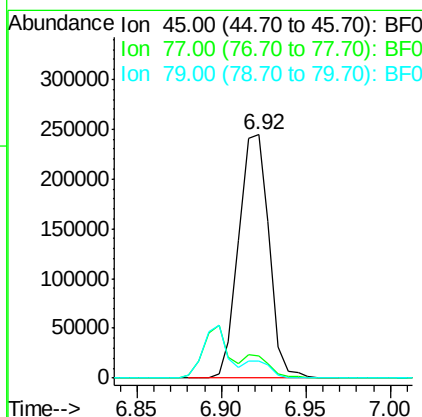
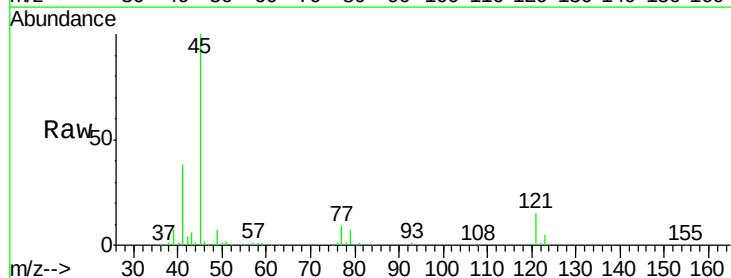
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

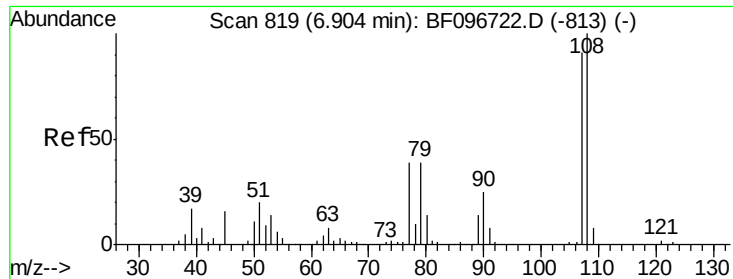
Tot Ion	79	108	77
Resp	119919	83.1	60.6
Lower		63.4	49.2
Upper		95.0	73.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 20.75 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion	45	77	79
Resp	305896	9.2	6.8
Lower		0.0	0.0
Upper		33.2	30.0

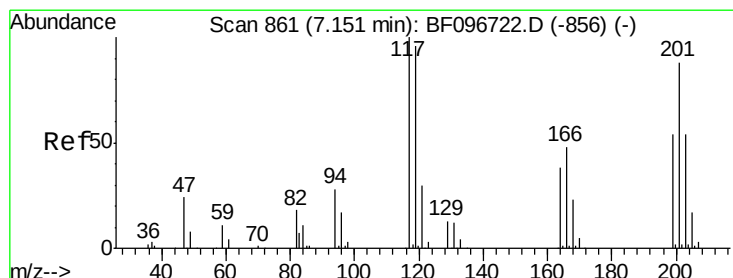
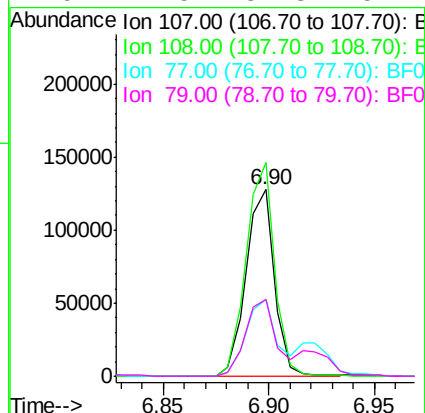
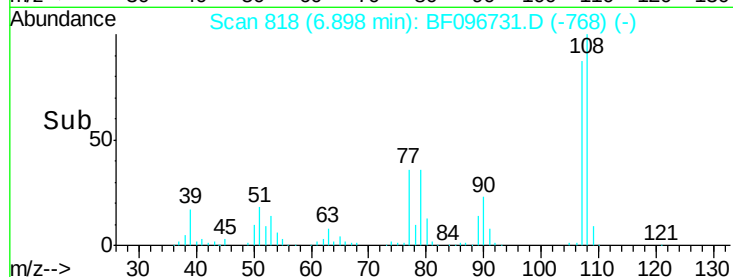
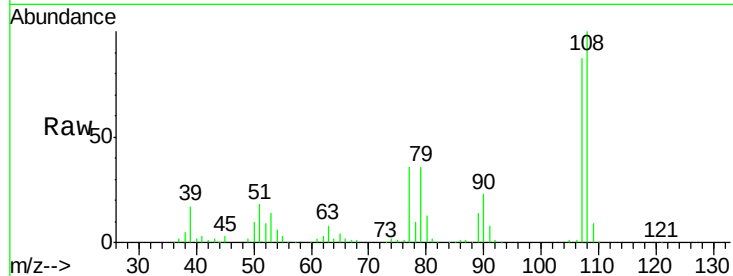




#17
2-Methylphenol
Concen: 20.36 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

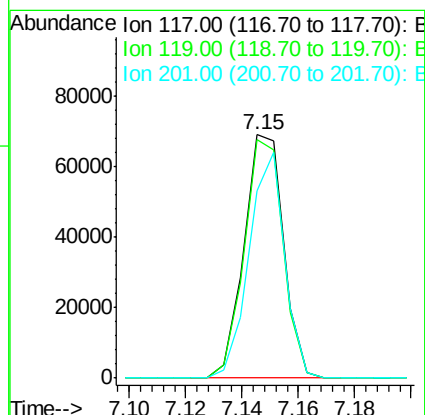
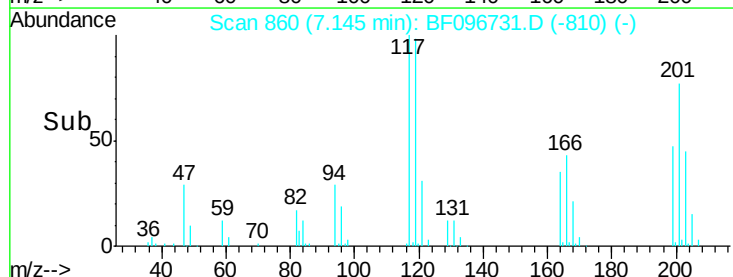
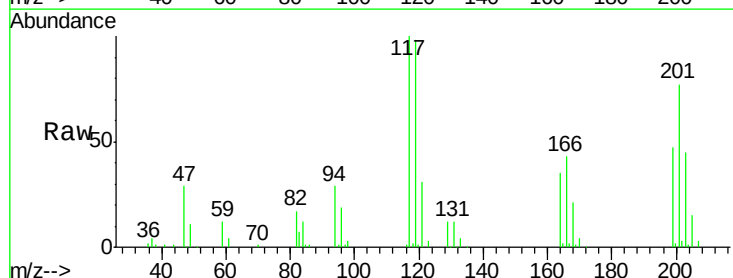
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

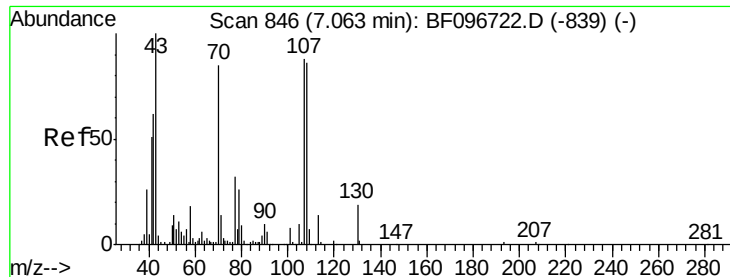
Tot Ion	Ratio	Lower	Upper
107	100		
108	114.3	93.4	140.0
77	41.3	35.8	53.6
79	41.5	34.8	52.2



#18
Hexachloroethane
Concen: 23.23 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.4	116.0
201	76.7	94.6	141.8#

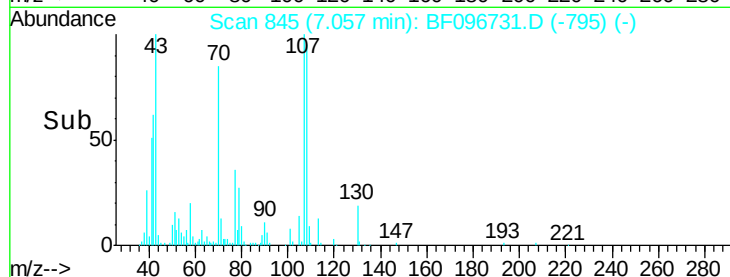
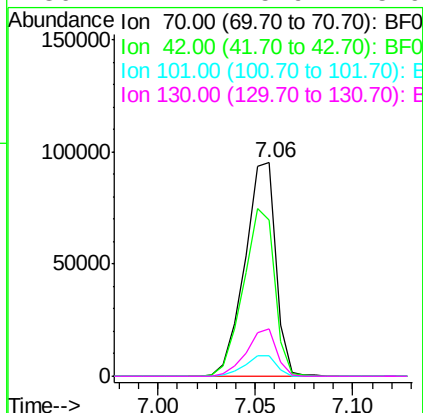
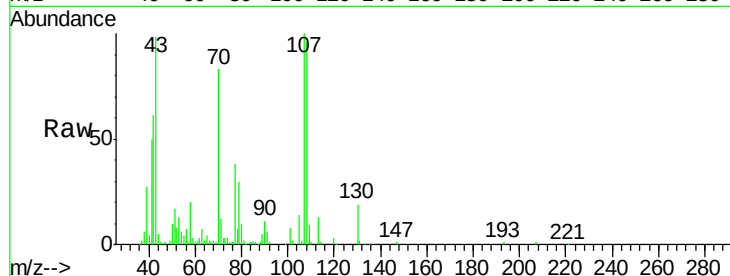




#19
n-Nitroso-di-n-propylamine
Concen: 20.68 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

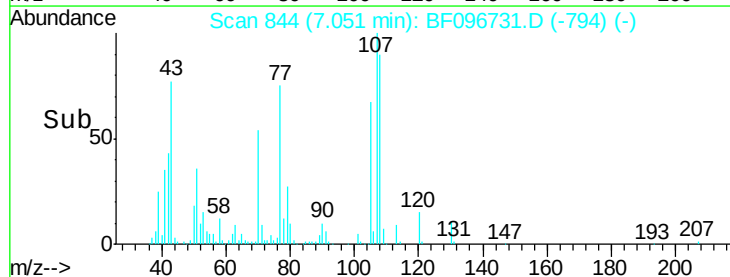
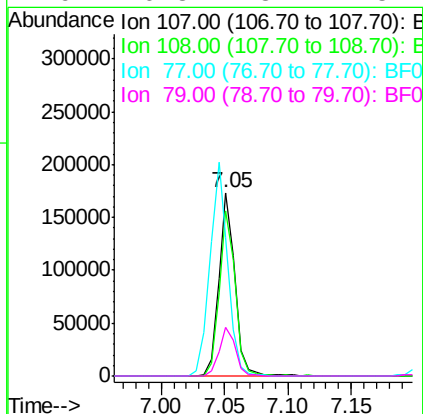
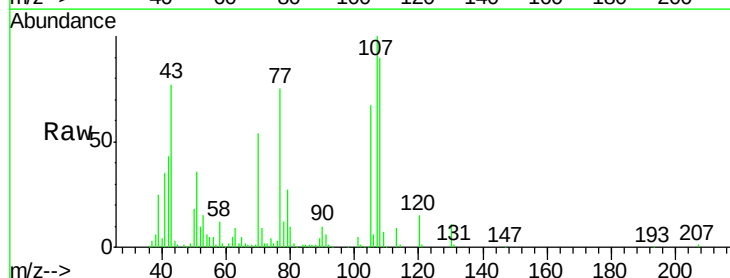
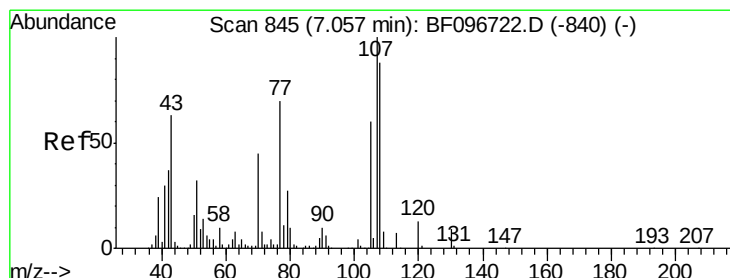
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

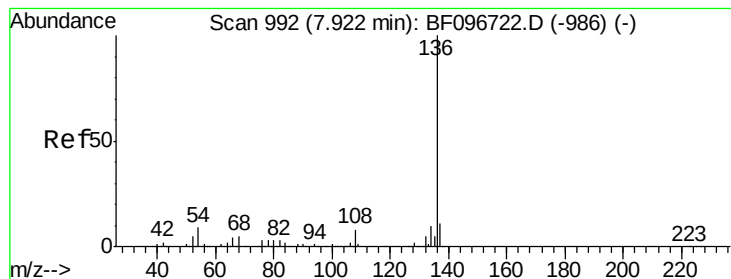
Tot Ion: 70 Resp: 104732
Ion Ratio Lower Upper
70 100
42 73.0 47.2 70.8#
101 9.5 7.2 10.8
130 22.4 15.9 23.9



#20
3+4-Methylphenols
Concen: 21.62 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 107 Resp: 154178
Ion Ratio Lower Upper
107 100
108 90.0 71.0 111.0
77 75.0 90.5 130.5#
79 26.8 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

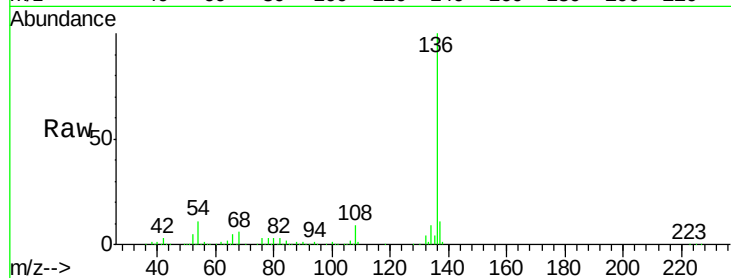
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tot Ion:136	Resp:	499500
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	10.8	4.9 7.3#
68	5.7	4.1 6.1

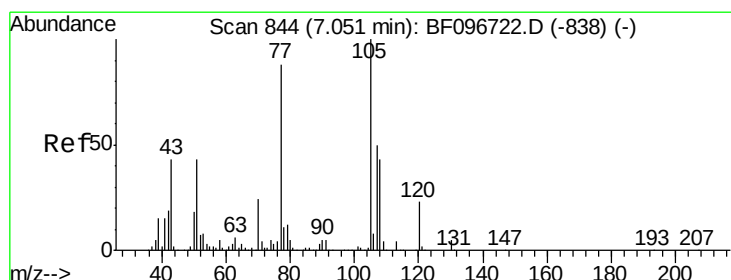
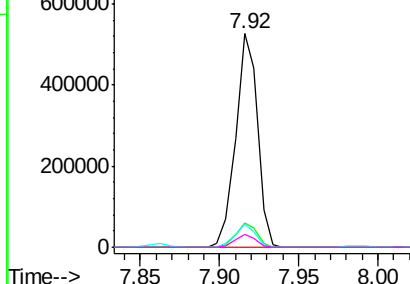
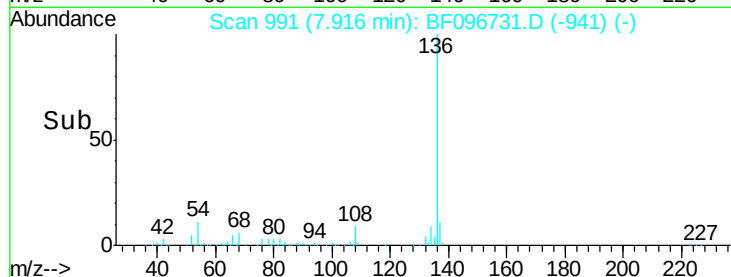


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 18.60 ng

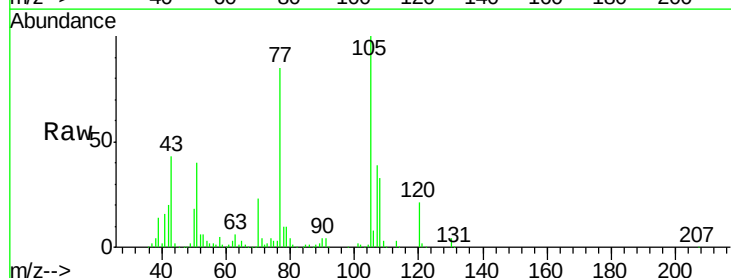
RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion:105	Resp:	207638
Ion Ratio	Lower	Upper
105	100	
71	3.9	2.8 4.2
51	40.0	30.7 46.1
120	21.4	17.4 26.0

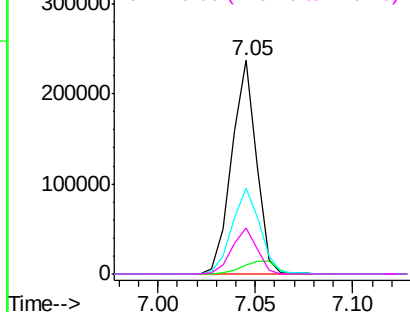
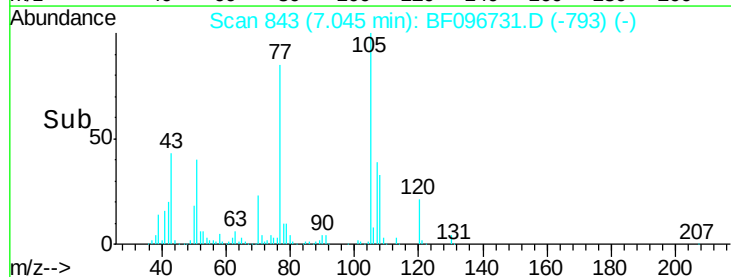


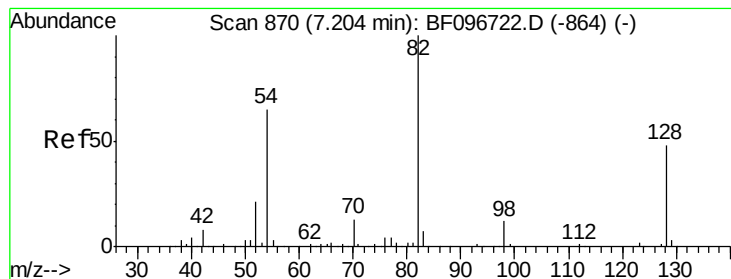
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.51 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

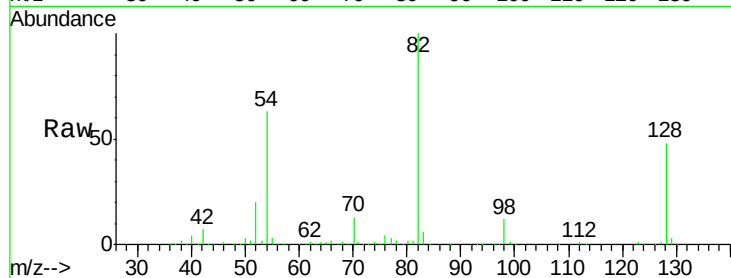
Tot Ion: 82 Resp: 697600

Ion Ratio Lower Upper

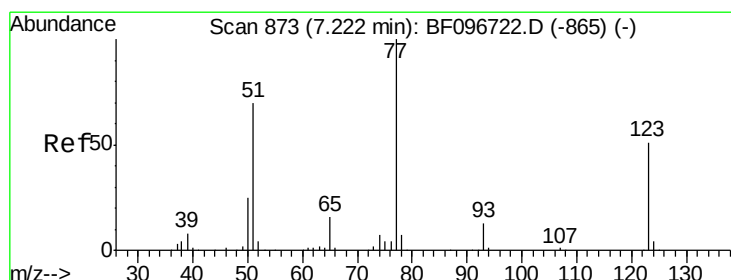
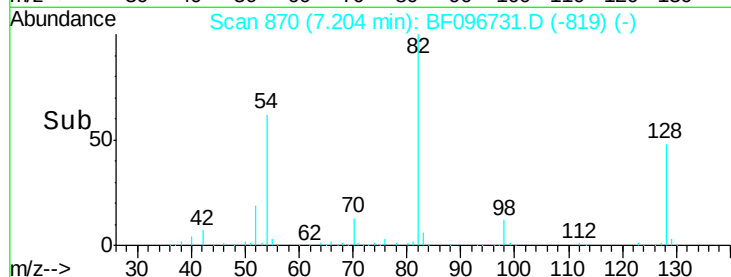
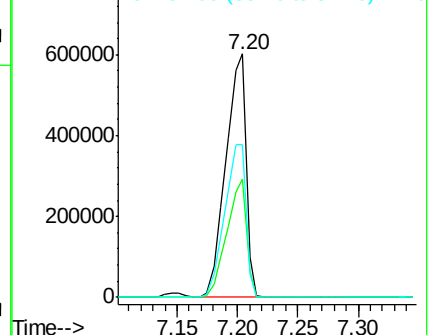
82 100

128 48.4 34.0 51.0

54 62.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 20.94 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

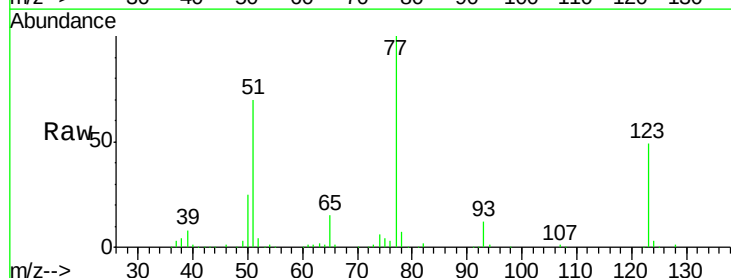
Tgt Ion: 77 Resp: 174678

Ion Ratio Lower Upper

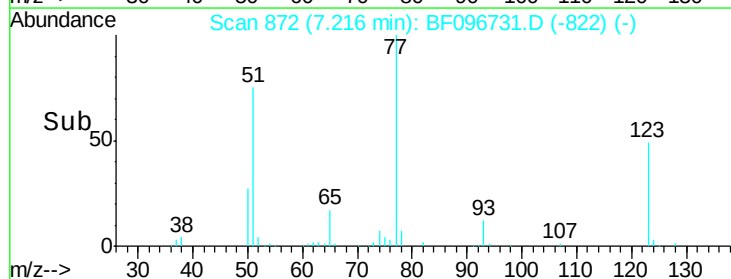
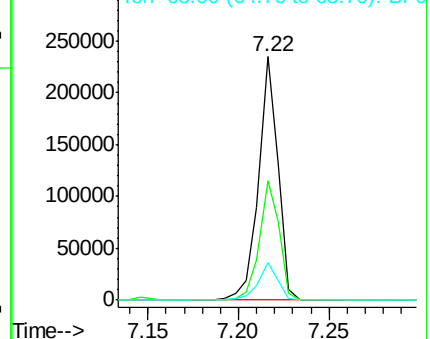
77 100

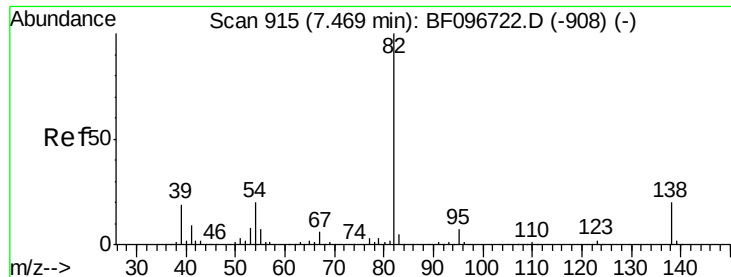
123 49.2 35.8 53.8

65 15.2 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 20.84 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

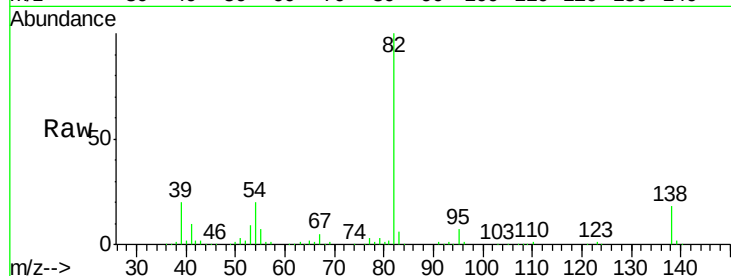
Tot Ion: 82 Resp: 312669

Ion Ratio Lower Upper

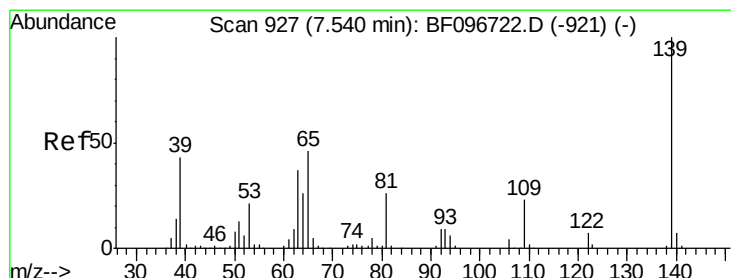
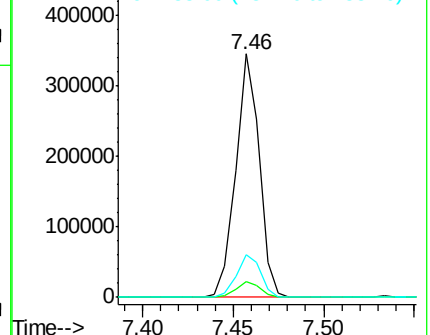
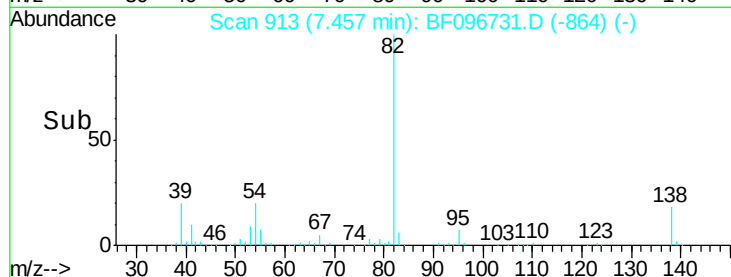
82 100

95 6.7 5.3 7.9

138 17.7 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 20.62 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

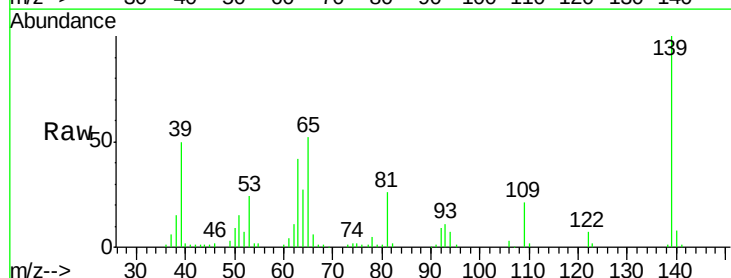
Tgt Ion: 139 Resp: 95639

Ion Ratio Lower Upper

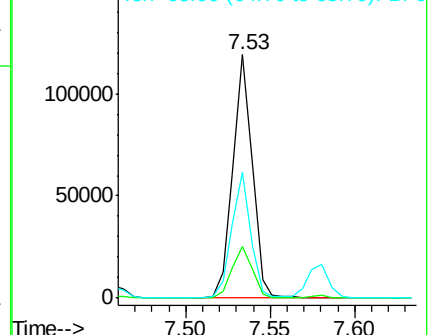
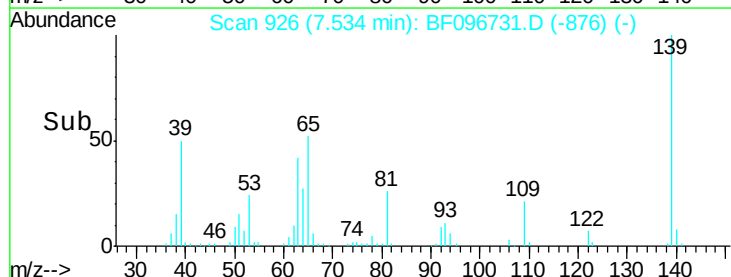
139 100

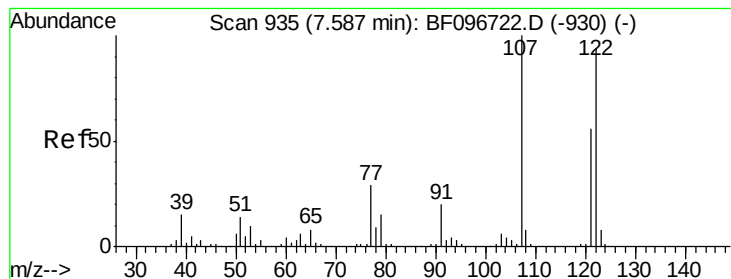
109 21.4 21.0 31.6

65 51.6 33.0 49.6#



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): BF0





#27

2,4-Dimethylphenol

Concen: 20.75 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

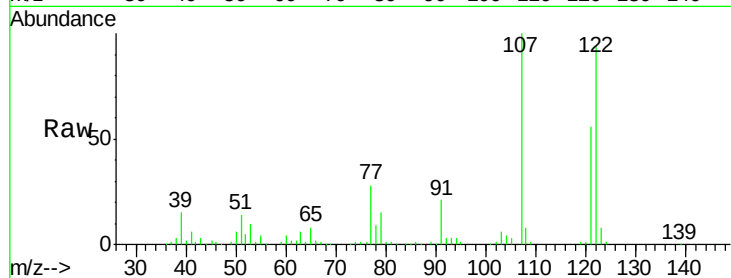
Tot Ion:122 Resp: 158314

Ion Ratio Lower Upper

122 100

107 106.4 89.2 133.8

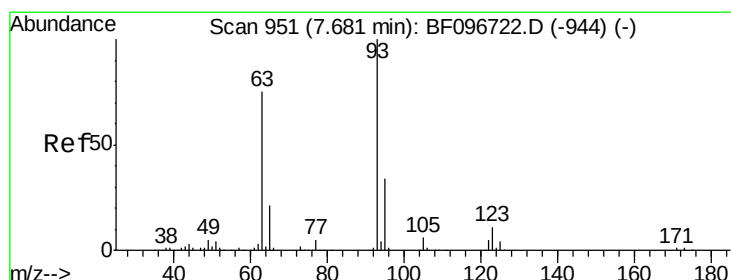
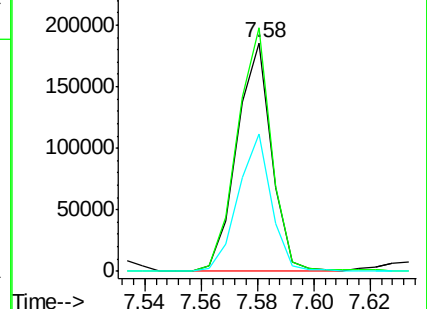
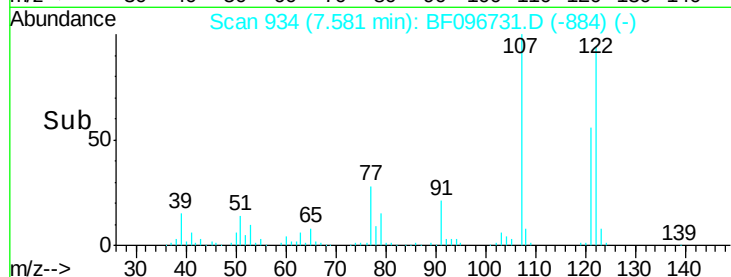
121 59.8 45.2 67.8



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: 20.77 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

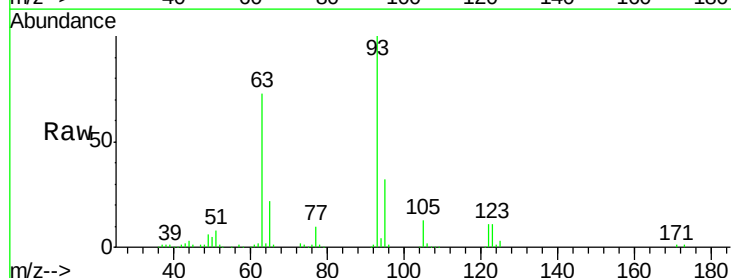
Tgt Ion: 93 Resp: 210558

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

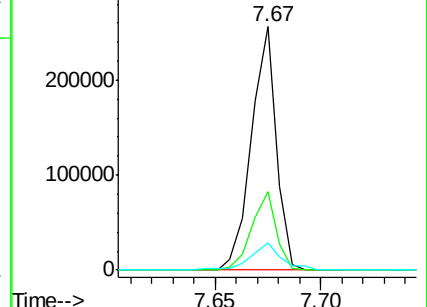
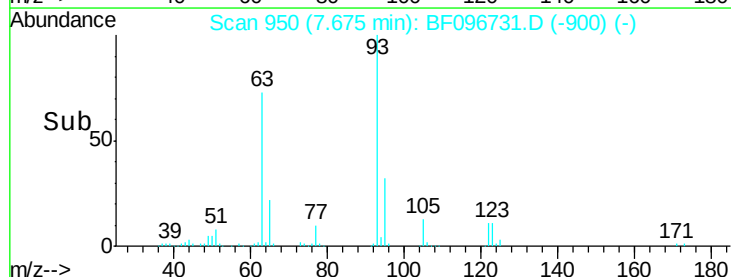
123 11.3 9.0 13.4

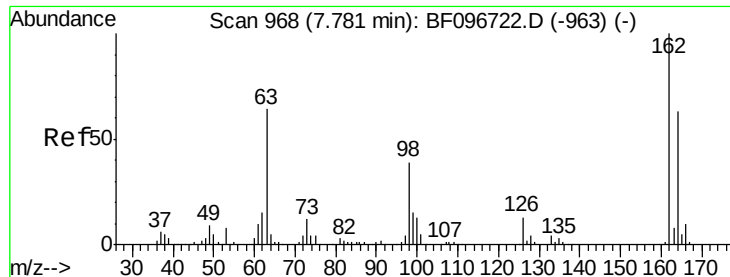


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

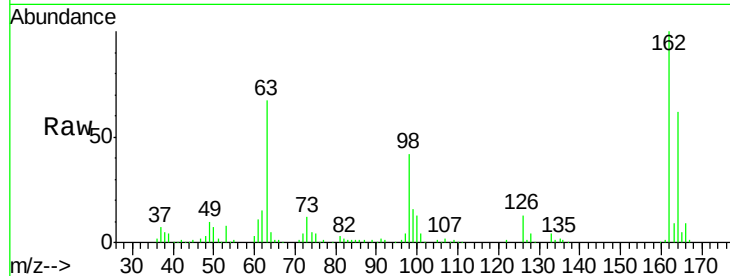




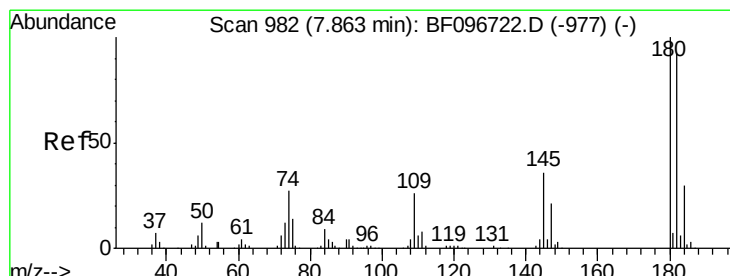
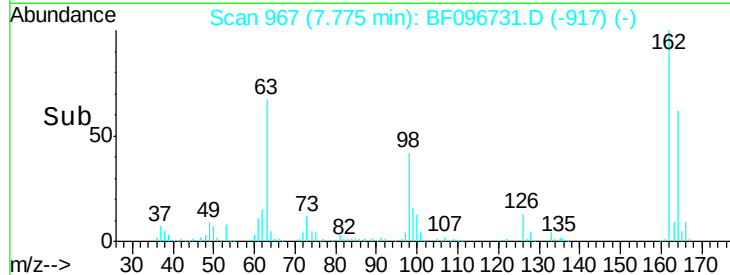
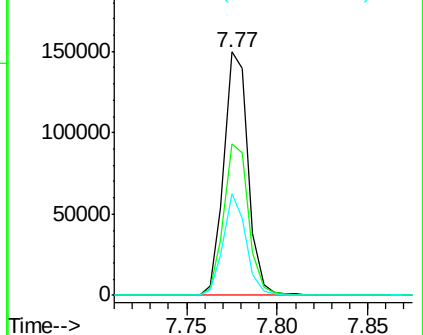
#29
2,4-Dichlorophenol
Concen: 20.38 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.3	44.6	84.6
98	41.6	14.8	54.8

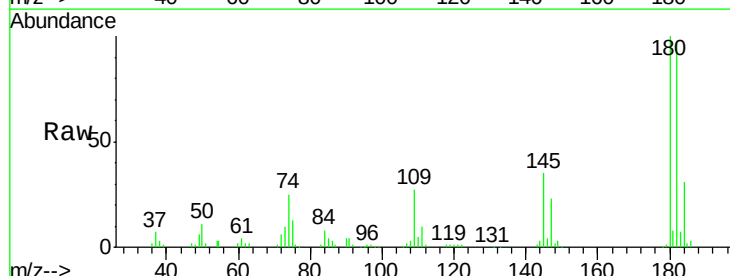


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

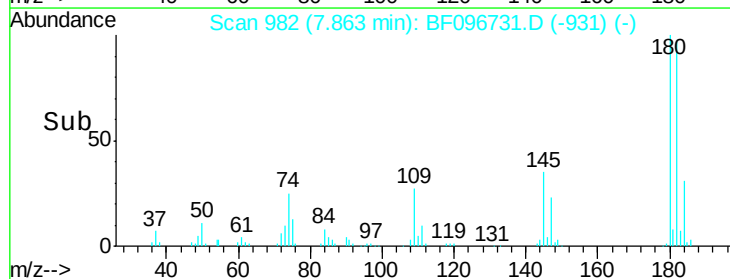
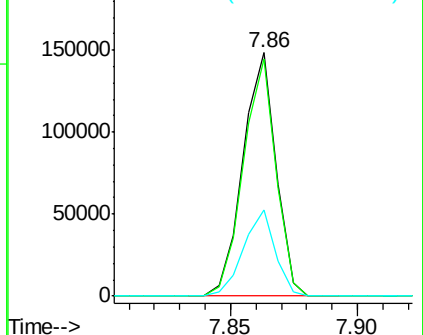


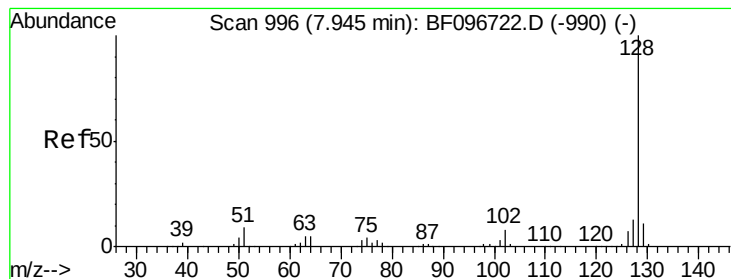
#30
1,2,4-Trichlorobenzene
Concen: 20.47 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.6
145	35.1	25.3	37.9



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: 20.76 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

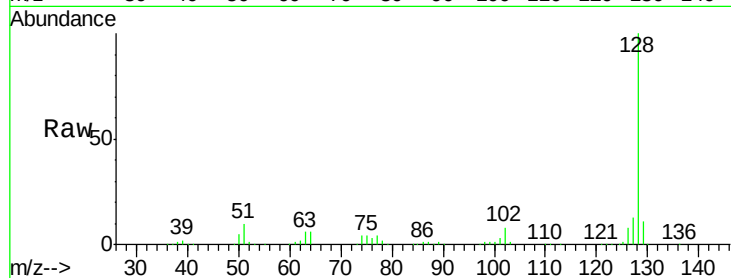
Tot Ion:128 Resp: 491225

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

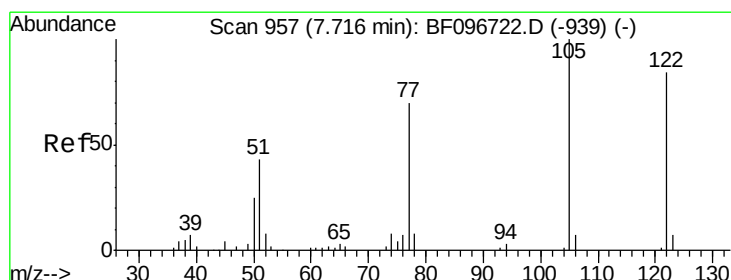
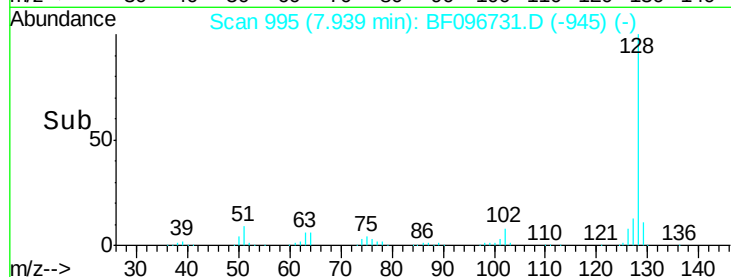
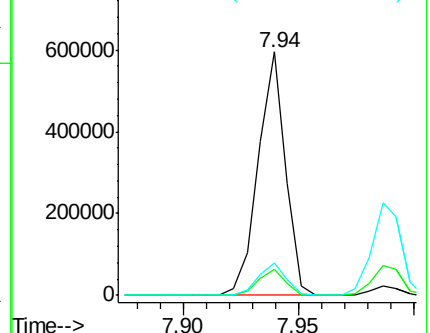
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 20.76 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

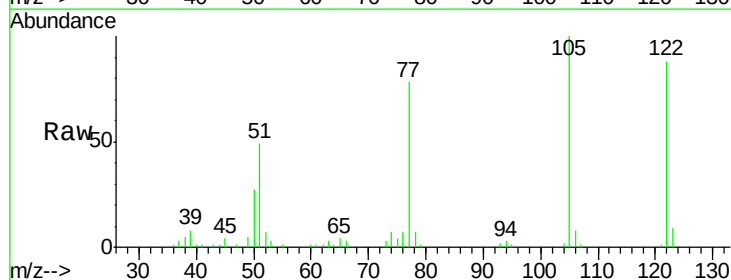
Tgt Ion:122 Resp: 101230

Ion Ratio Lower Upper

122 100

105 113.1 103.3 143.3

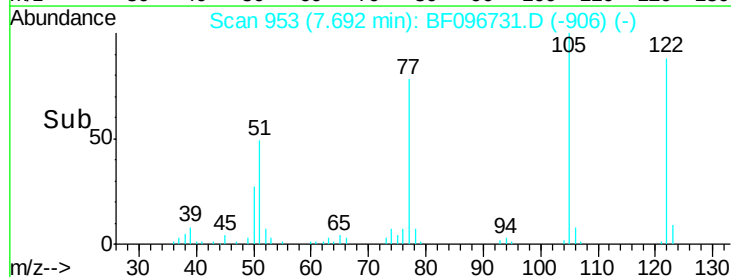
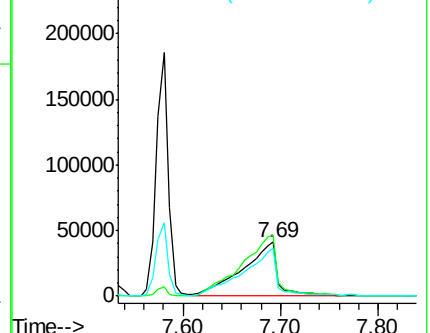
77 87.8 73.7 113.7

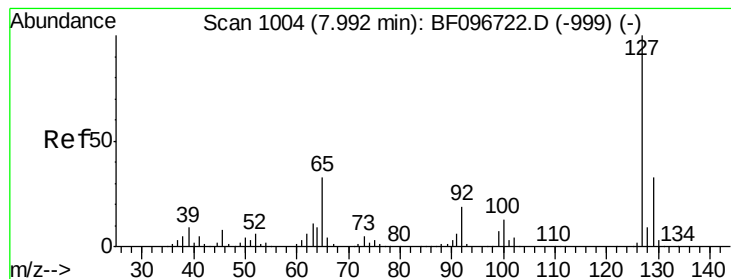


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 21.55 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tot Ion:127 Resp: 202045

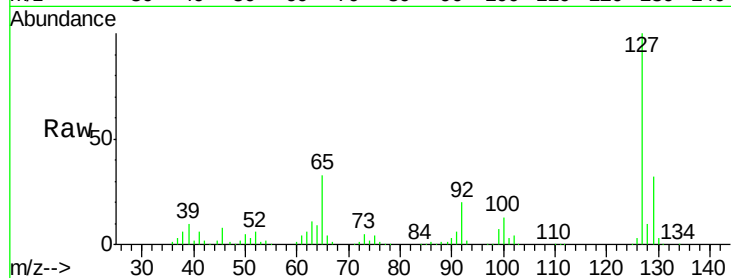
Ion Ratio Lower Upper

127 100

129 32.3 26.2 39.2

65 33.1 27.8 41.8

92 19.9 16.8 25.2

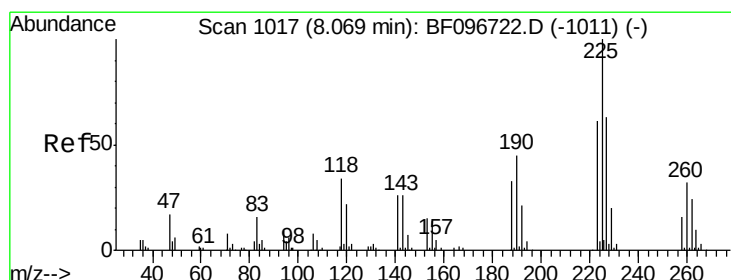
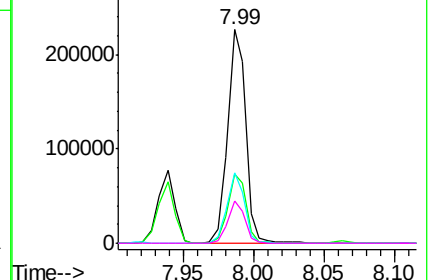
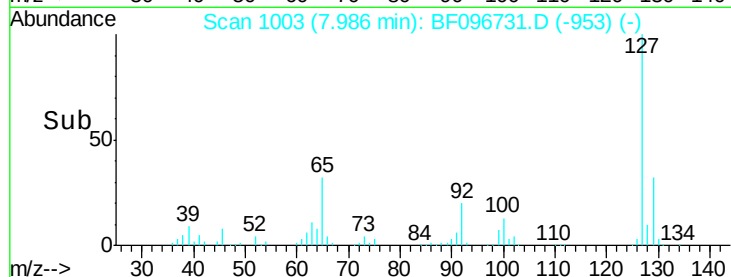


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 20.74 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

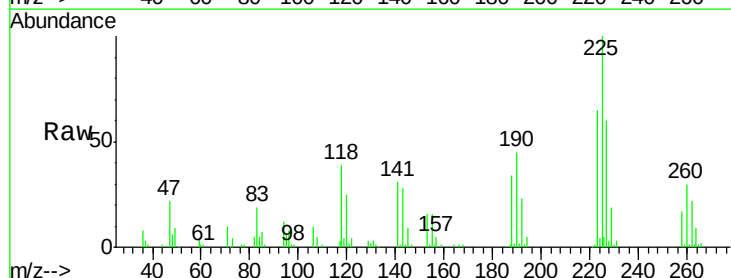
Tgt Ion:225 Resp: 72683

Ion Ratio Lower Upper

225 100

223 64.8 48.8 73.2

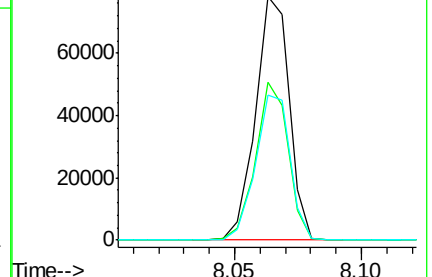
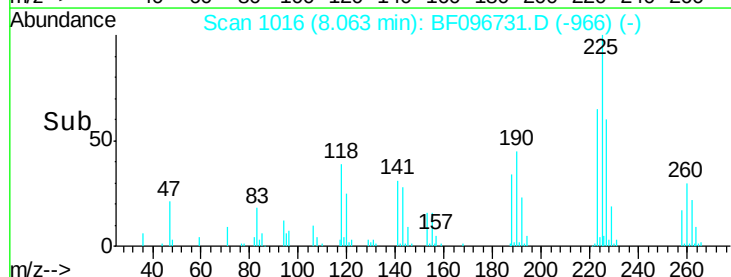
227 59.7 51.1 76.7

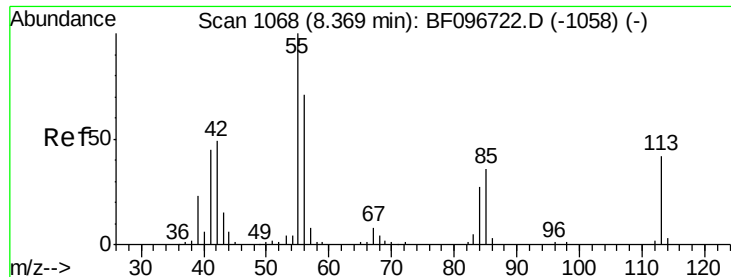


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 20.61 ng

RT: 8.35 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

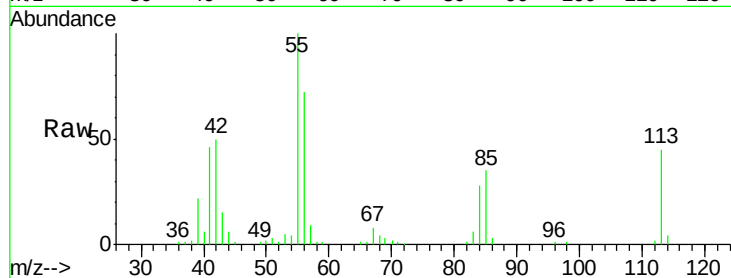
Tot Ion:113 Resp: 45612

Ion Ratio Lower Upper

113 100

55 221.2 150.2 190.2#

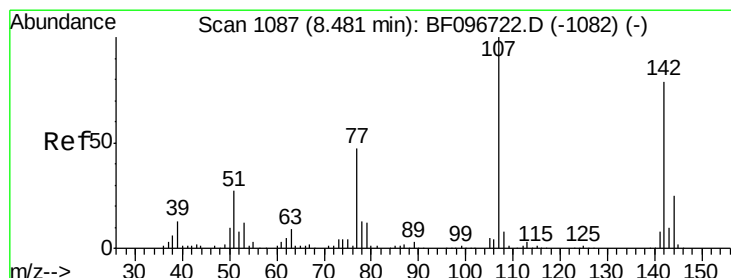
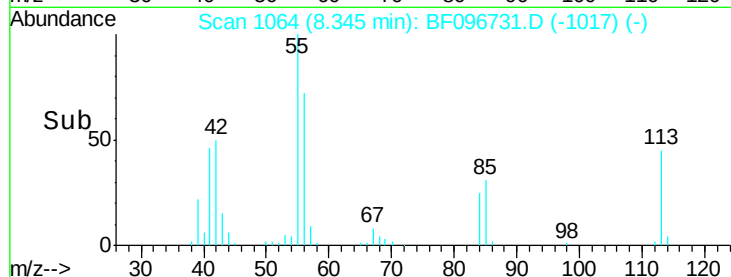
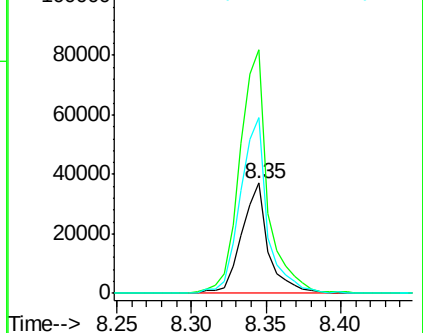
56 159.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 20.71 ng

RT: 8.47 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

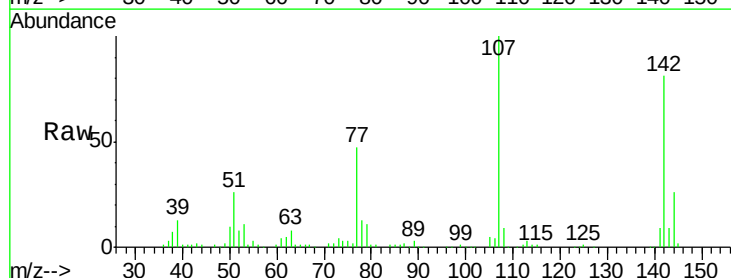
Tgt Ion:107 Resp: 153792

Ion Ratio Lower Upper

107 100

144 25.9 24.2 36.4

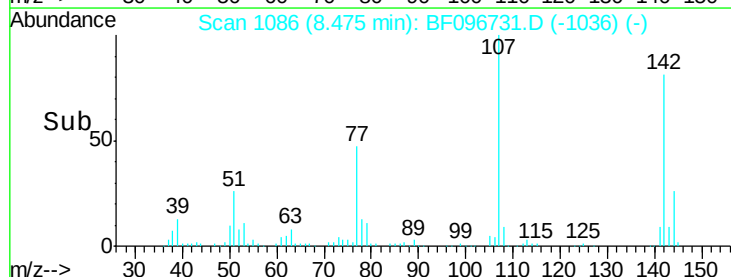
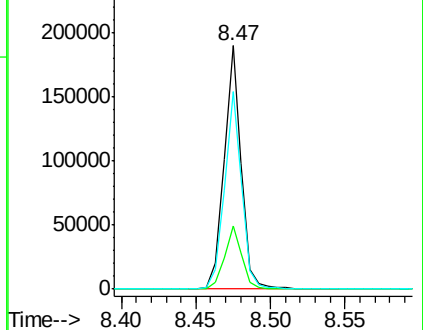
142 81.2 73.4 110.0

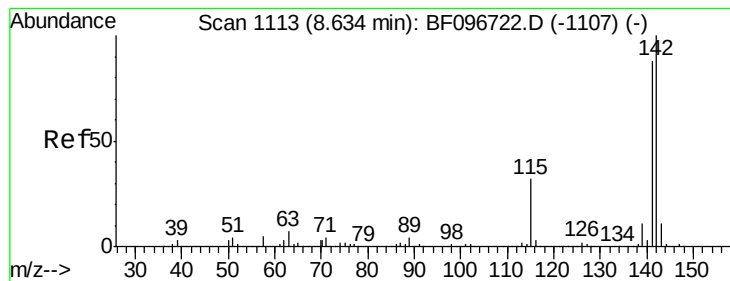


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 21.03 ng

RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

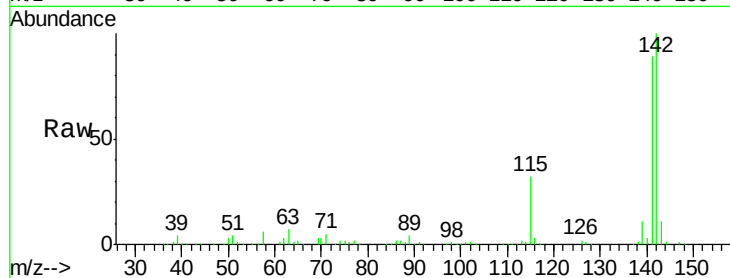
Tot Ion:142 Resp: 317241

Ion Ratio Lower Upper

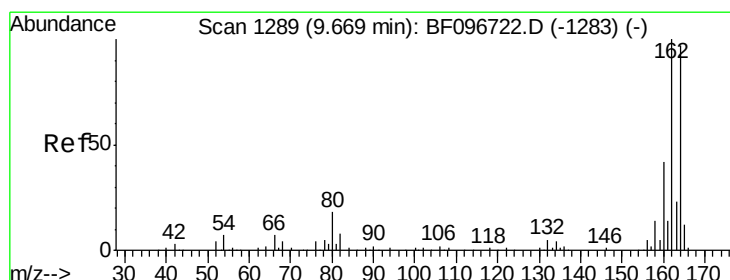
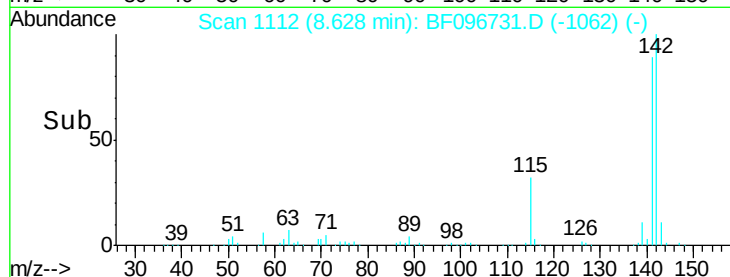
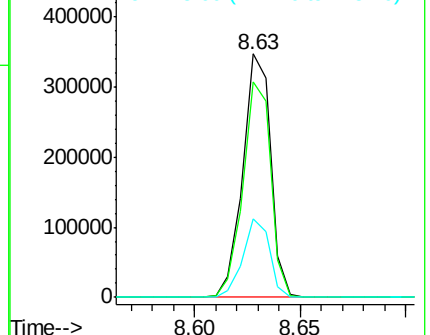
142 100

141 88.7 71.3 106.9

115 32.3 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

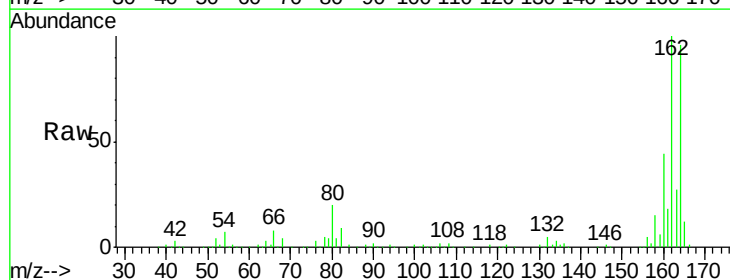
Tgt Ion:164 Resp: 222203

Ion Ratio Lower Upper

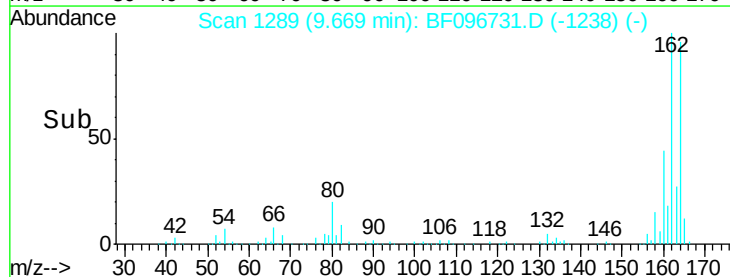
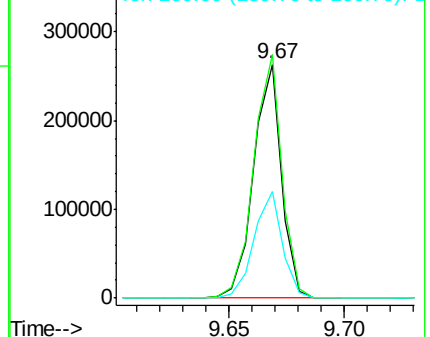
164 100

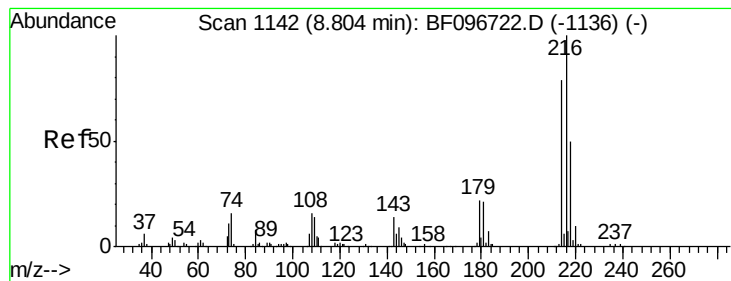
162 104.3 82.6 123.8

160 45.9 36.2 54.2



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 21.19 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tot Ion:216 Resp: 127304

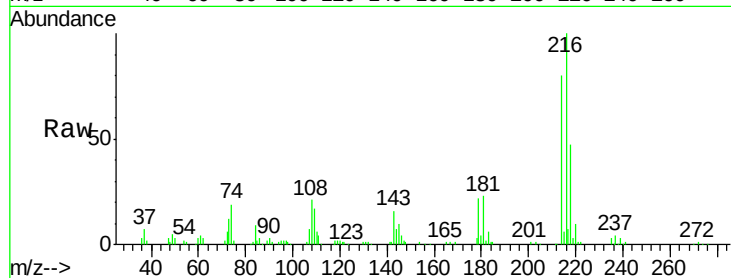
Ion Ratio Lower Upper

216 100

214 80.0 63.4 95.2

179 22.0 17.9 26.9

108 20.6 16.5 24.7

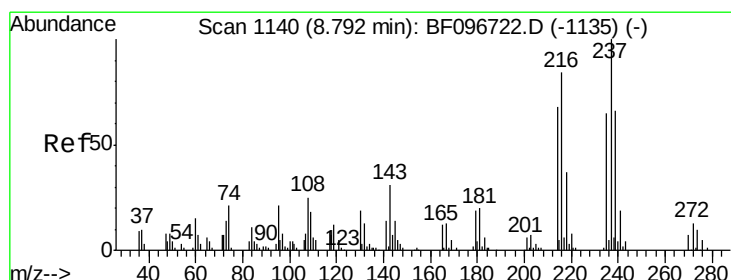
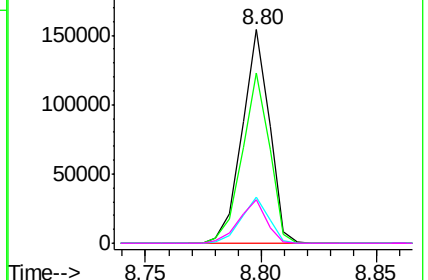
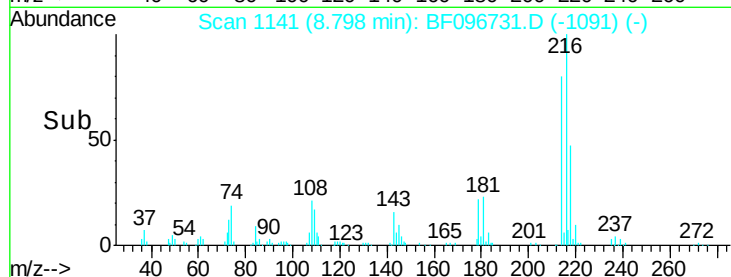


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 19.85 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

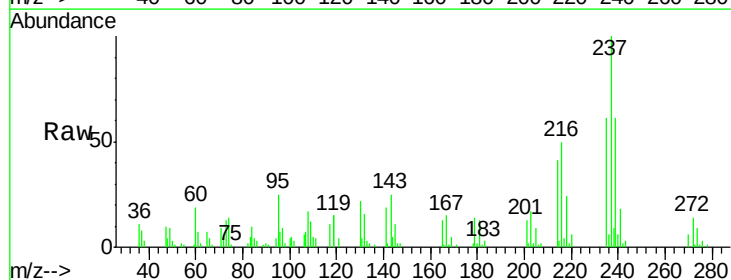
Tgt Ion:237 Resp: 35810

Ion Ratio Lower Upper

237 100

235 61.1 42.6 82.6

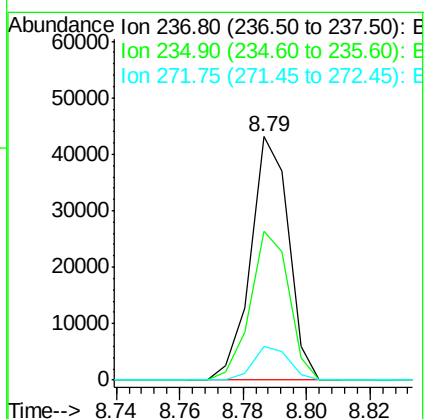
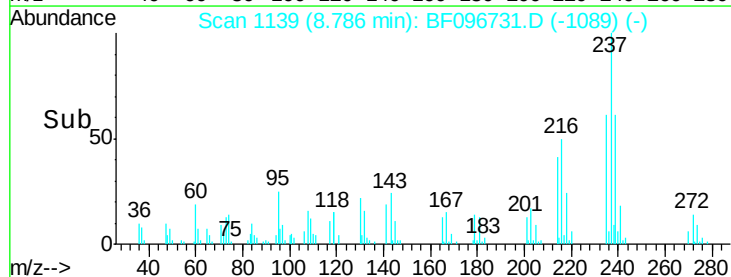
272 14.1 0.0 31.9

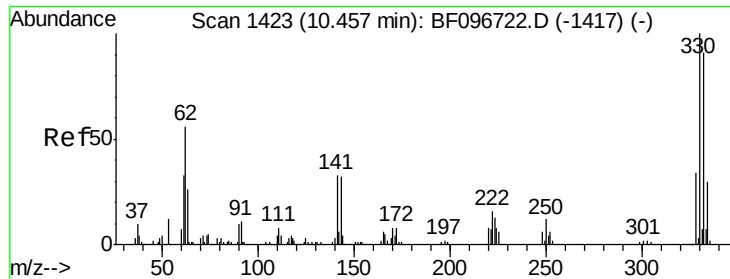


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

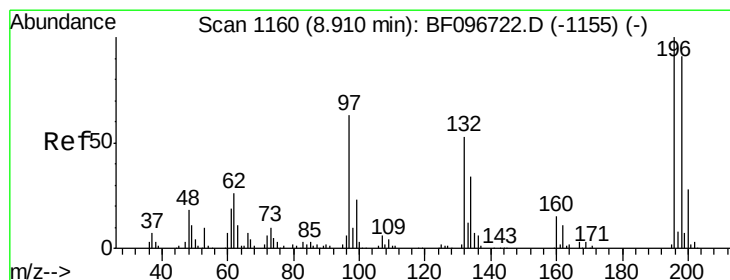
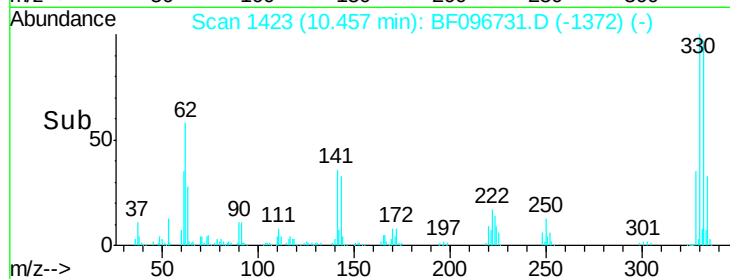
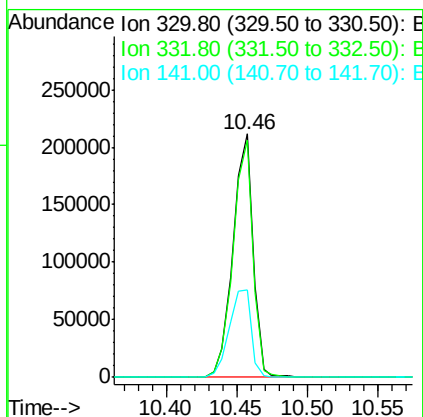
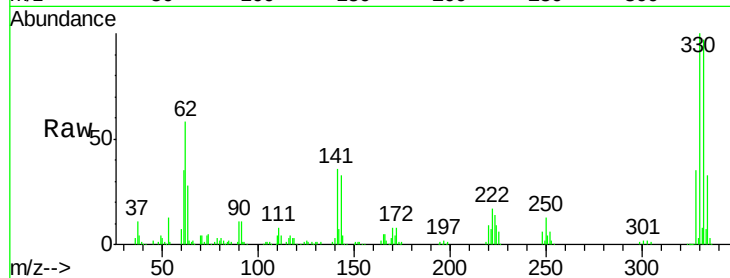




#41
 2,4,6-Tribromophenol
 Concen: 111.14 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

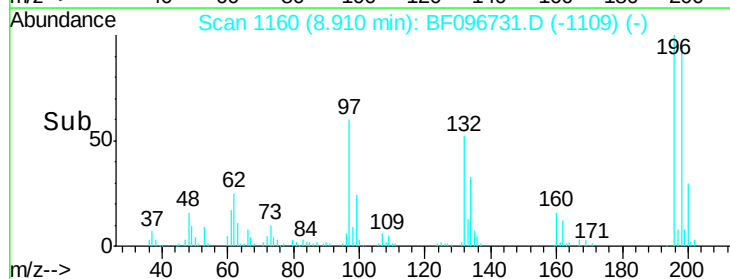
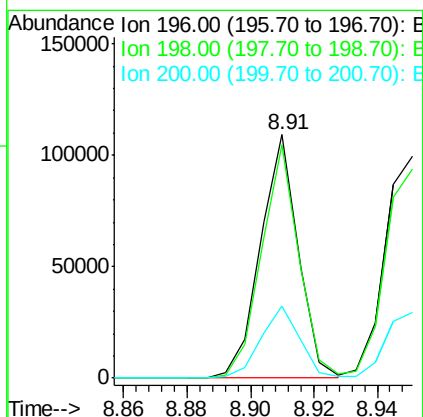
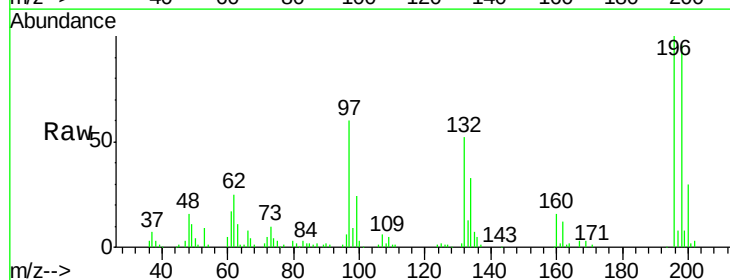
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

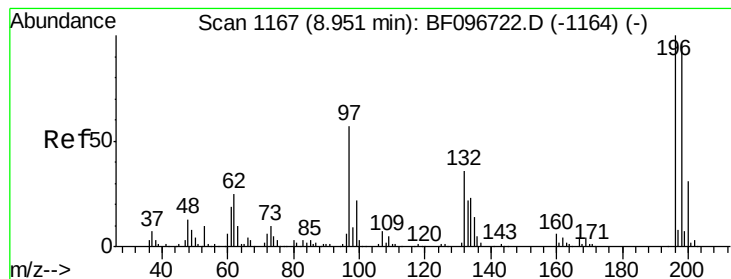
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	39.4	31.4	47.2



#42
 2,4,6-Trichlorophenol
 Concen: 20.46 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	74.2	111.4
200	29.8	24.0	36.0





#43

2,4,5-Trichlorophenol

Concen: 20.96 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tot Ion:196 Resp: 93664

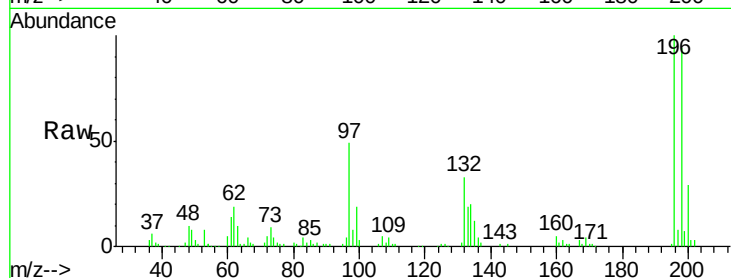
Ion Ratio Lower Upper

196 100

198 93.9 75.7 113.5

97 49.2 47.7 71.5

132 32.9 28.0 42.0

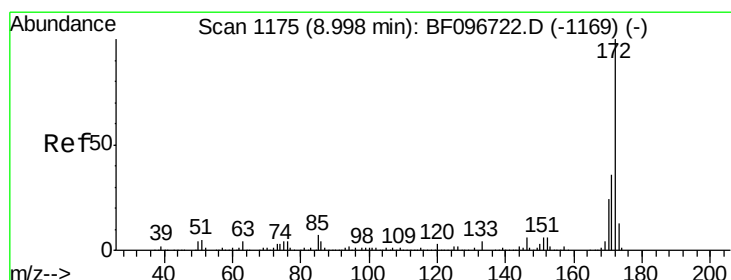
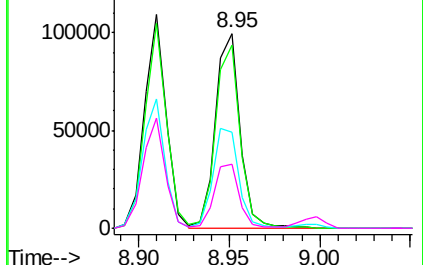
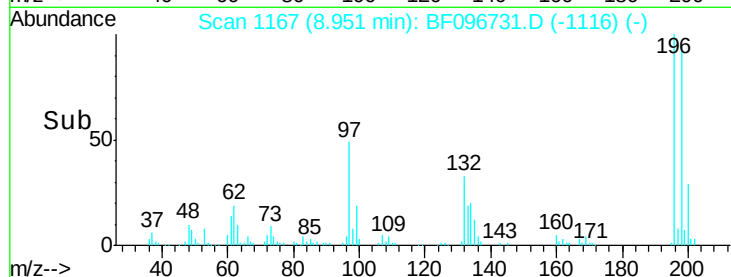


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 82.66 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

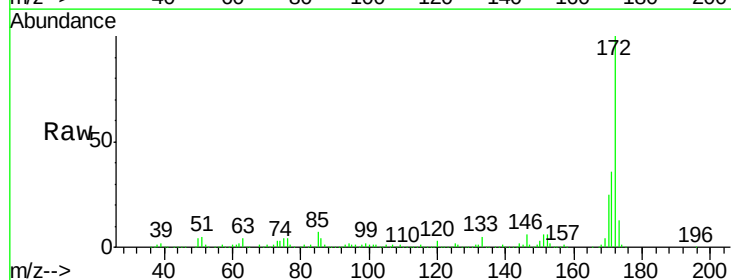
Tgt Ion:172 Resp: 1162577

Ion Ratio Lower Upper

172 100

171 35.8 29.6 44.4

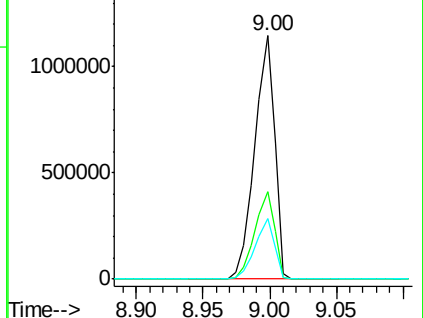
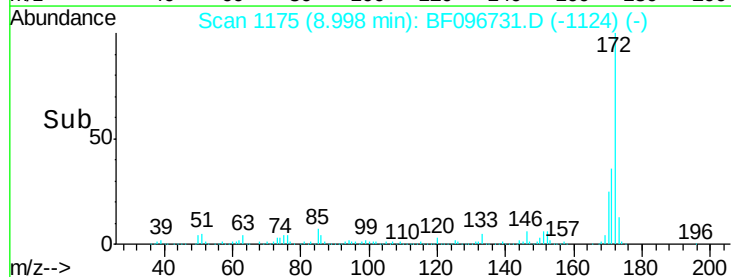
170 24.8 19.8 29.8

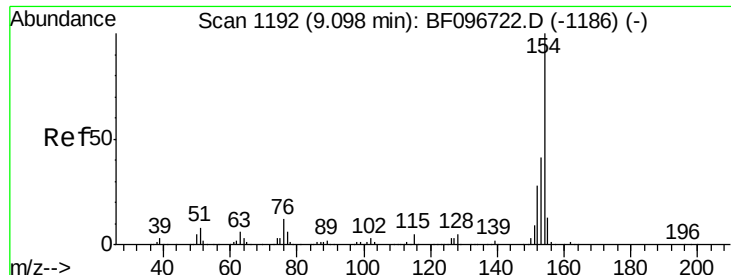


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

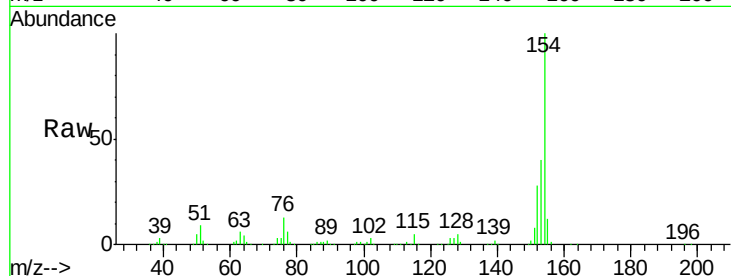




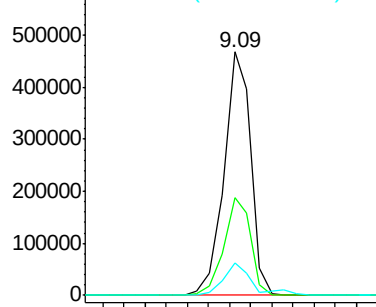
#45
1,1'-Biphenyl
Concen: 21.55 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

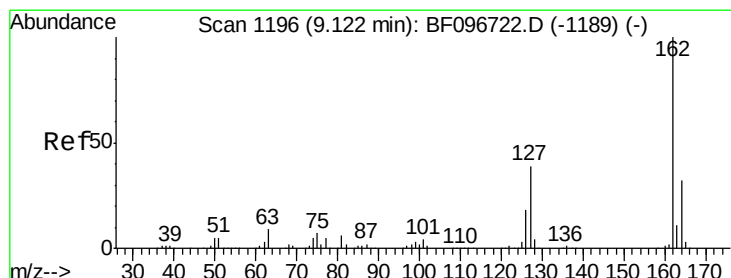
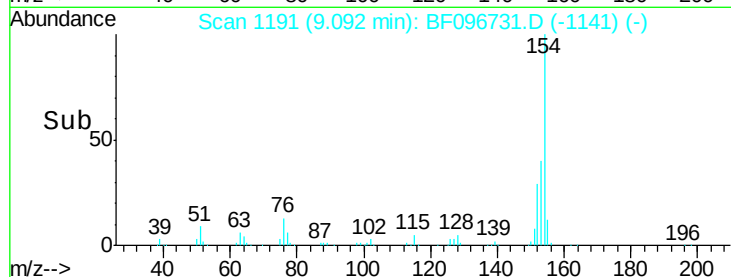
Tot Ion:154 Resp: 410720
Ion Ratio Lower Upper
154 100
153 40.0 21.2 61.2
76 13.4 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

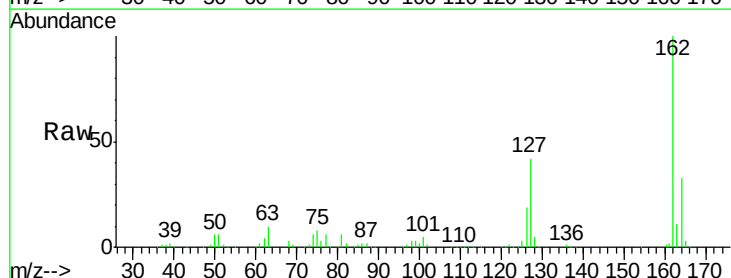


Time-->

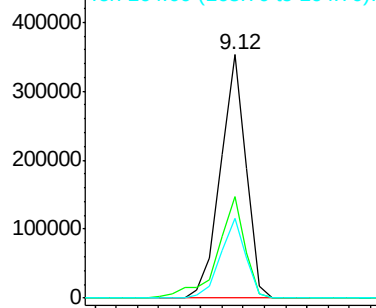


#46
2-Chloronaphthalene
Concen: 21.09 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

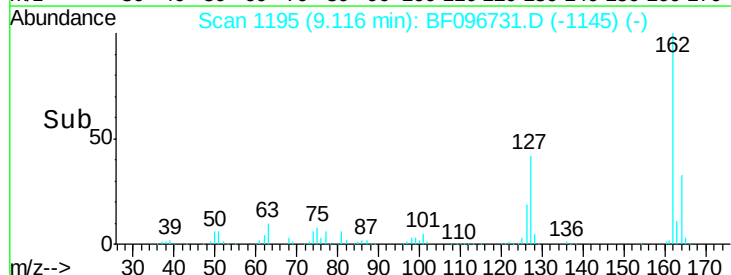
Tgt Ion:162 Resp: 295973
Ion Ratio Lower Upper
162 100
127 41.7 28.3 42.5
164 32.8 27.0 40.4

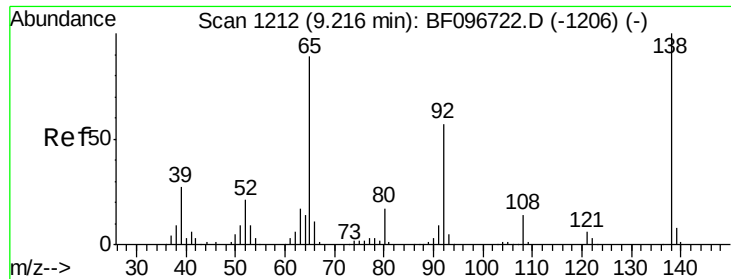


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->

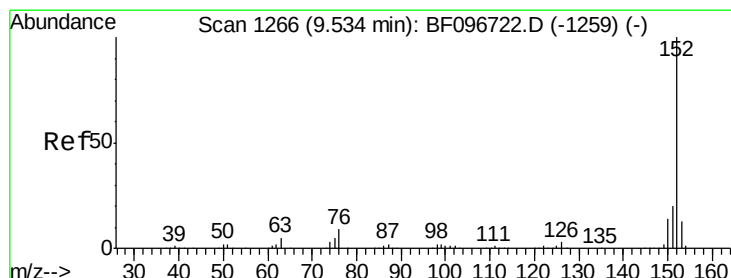
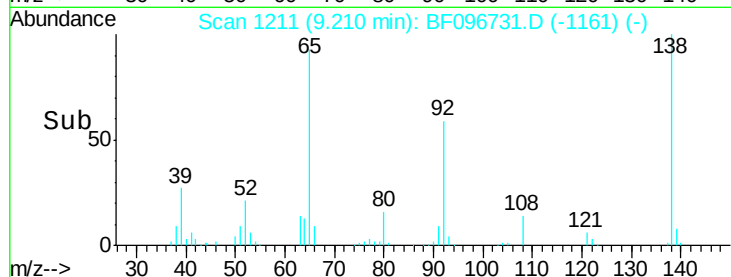
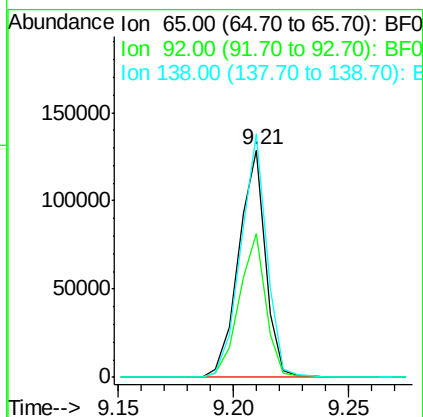
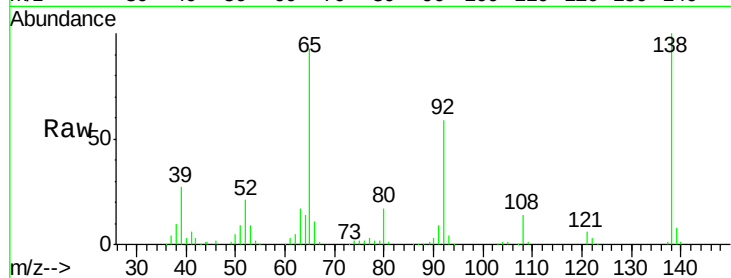




#47
2-Nitroaniline
Concen: 21.65 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

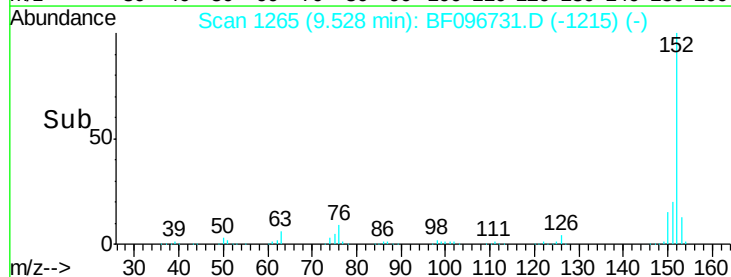
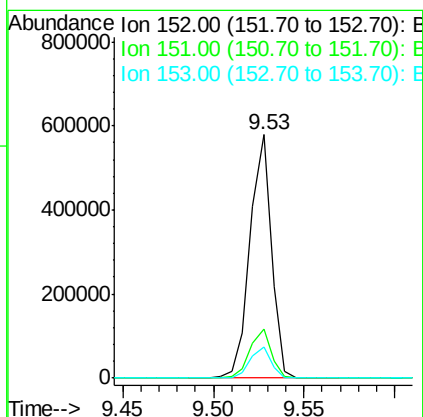
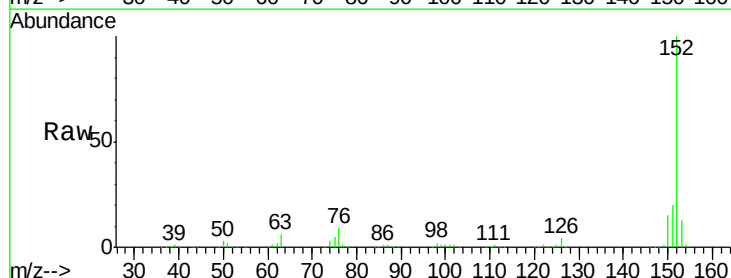
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

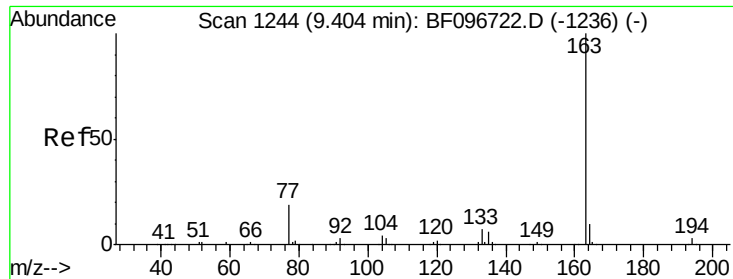
Tot Ion: 65 Resp: 104415
Ion Ratio Lower Upper
65 100
92 62.9 53.9 80.9
138 107.0 78.8 118.2



#48
Acenaphthylene
Concen: 21.32 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 152 Resp: 476661
Ion Ratio Lower Upper
152 100
151 20.1 16.8 25.2
153 13.0 10.8 16.2

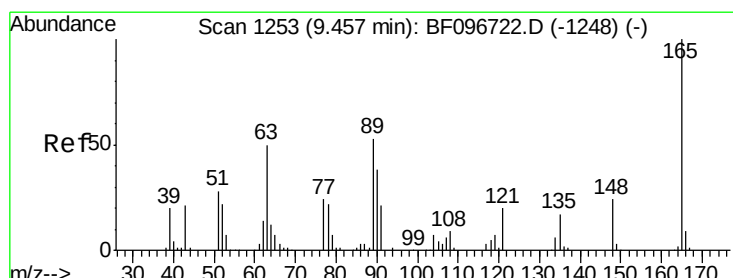
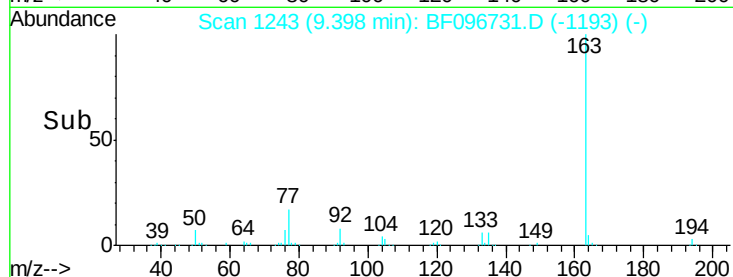
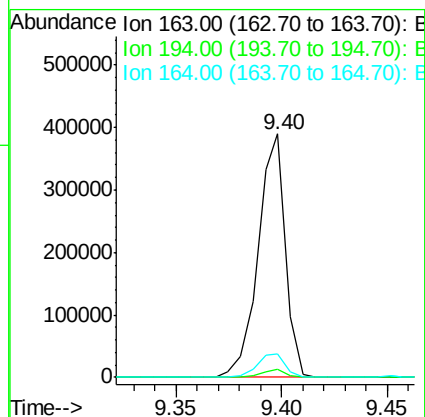
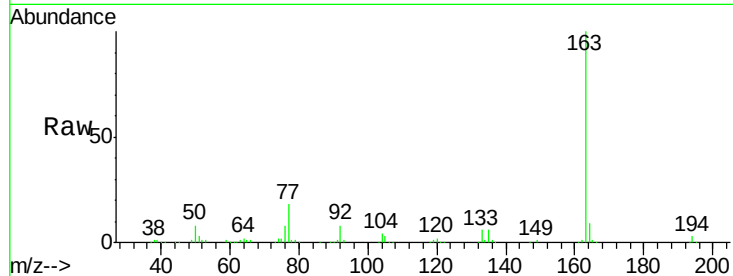




#49
Dimethylphthalate
Concen: 20.91 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

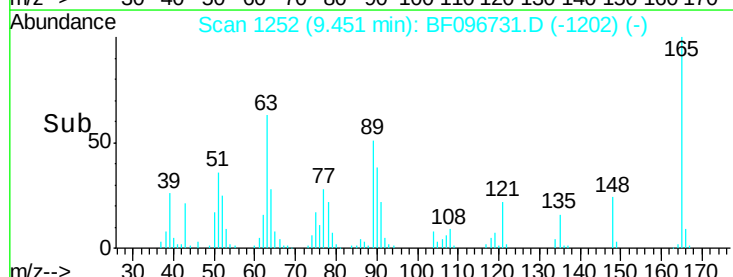
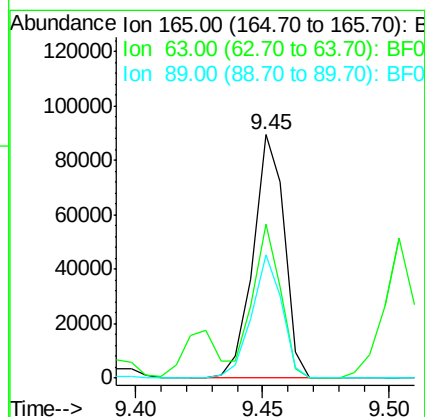
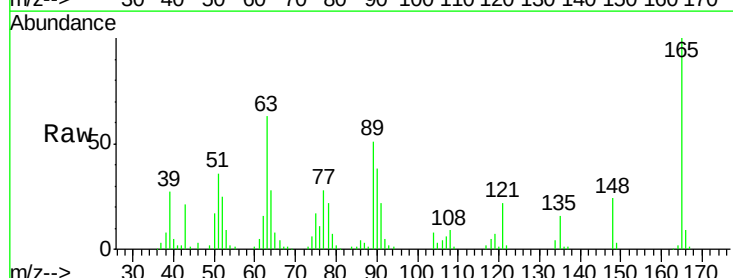
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

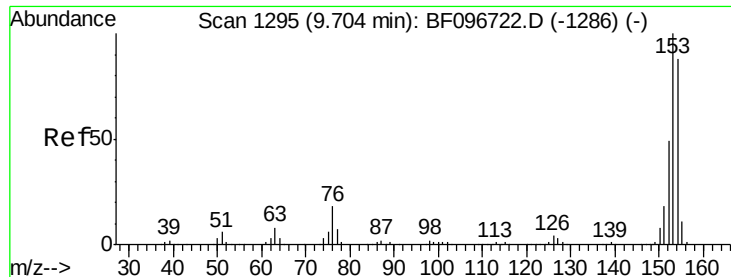
Tot Ion:163 Resp: 349832
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.4 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 21.17 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:165 Resp: 76723
Ion Ratio Lower Upper
165 100
63 63.4 34.3 51.5#
89 50.6 37.1 55.7





#51

Acenaphthene

Concen: 20.86 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

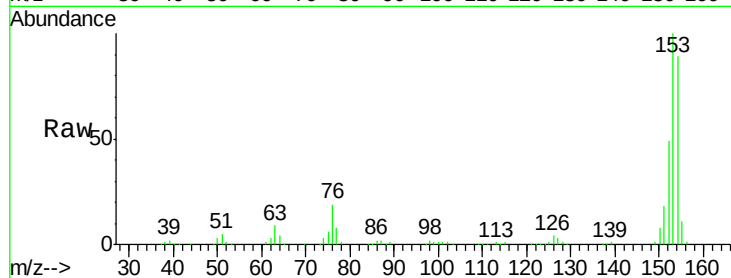
Tot Ion:154 Resp: 275538

Ion Ratio Lower Upper

154 100

153 112.6 90.5 135.7

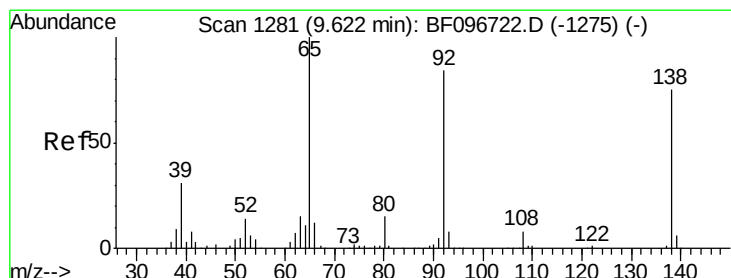
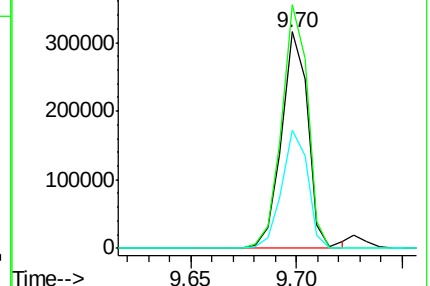
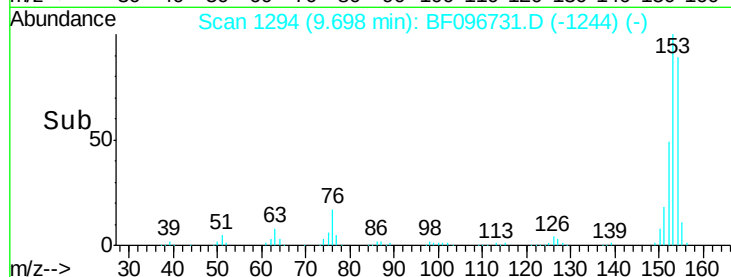
152 54.8 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 21.30 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

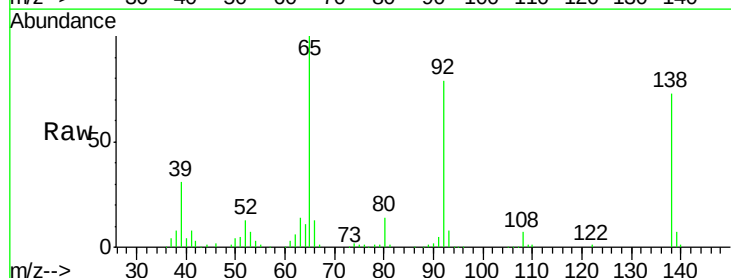
Tgt Ion:138 Resp: 91462

Ion Ratio Lower Upper

138 100

108 9.6 9.1 13.7

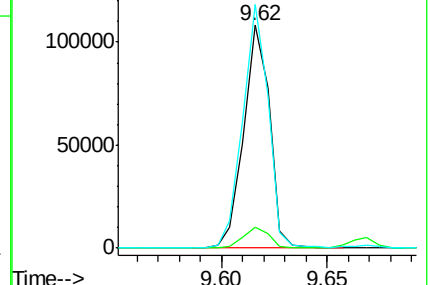
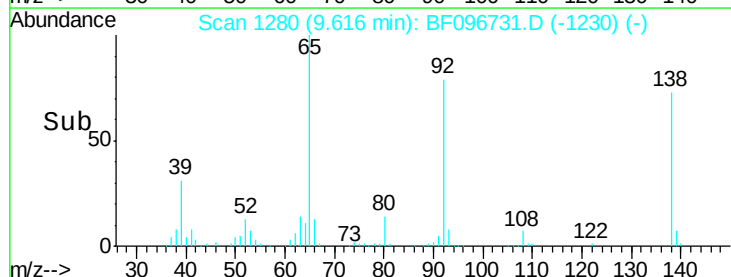
92 109.3 93.8 140.6

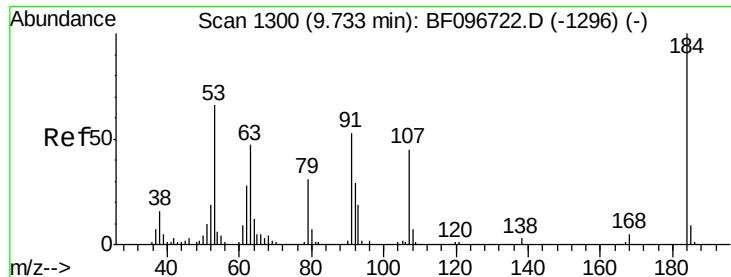


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

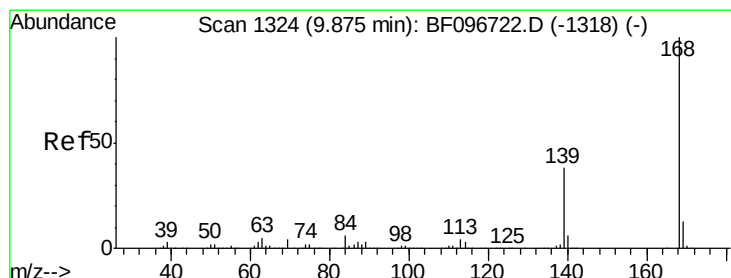
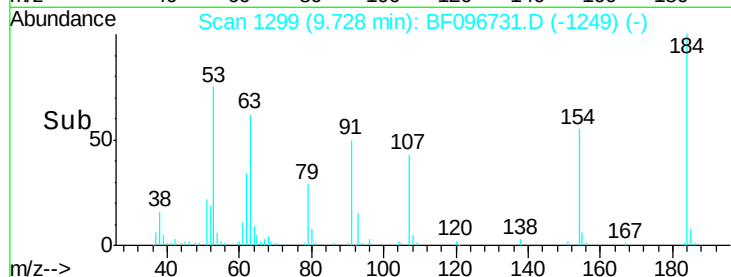
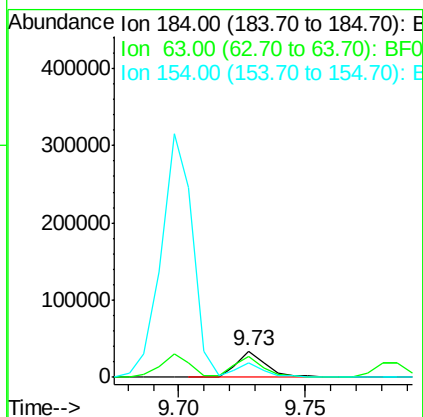
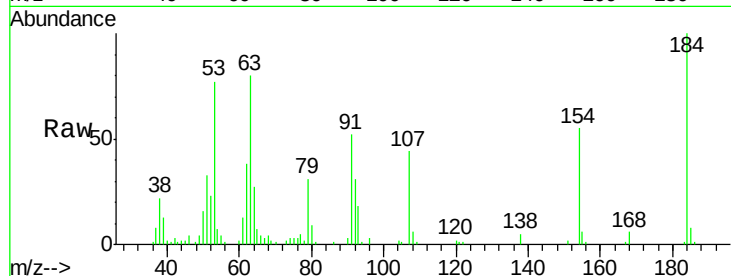




#53
2,4-Dinitrophenol
Concen: 20.82 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

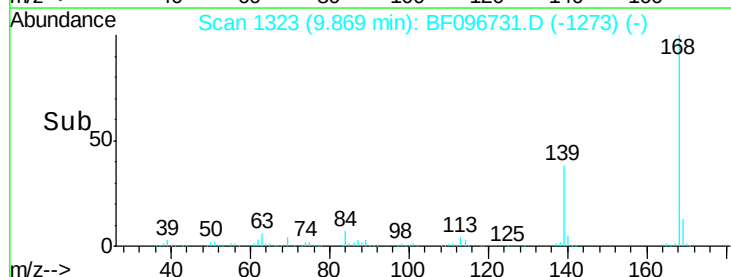
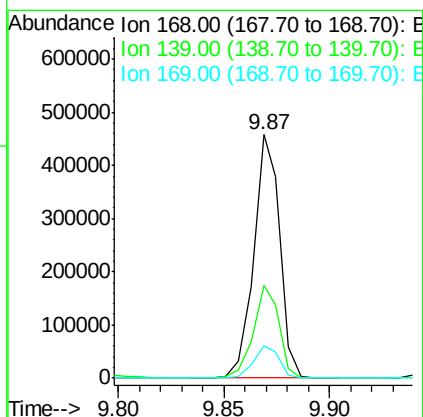
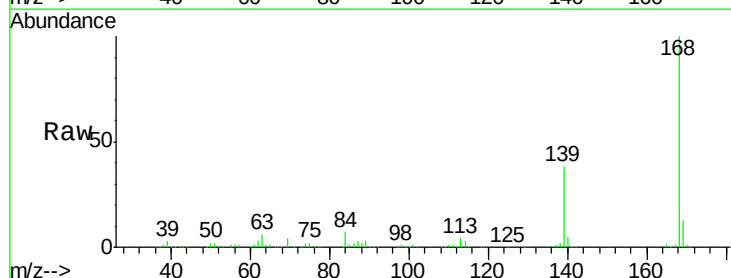
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

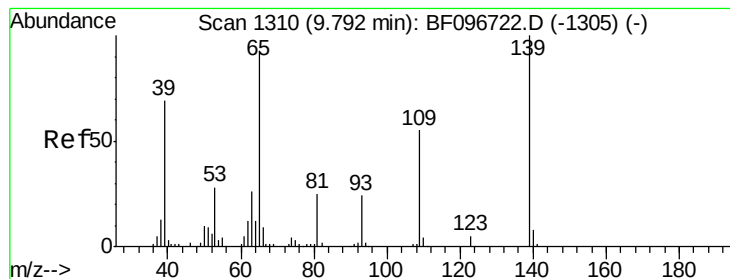
Tot Ion:184 Resp: 27597
Ion Ratio Lower Upper
184 100
63 80.4 62.7 94.1
154 55.4 81.1 121.7#



#54
Dibenzofuran
Concen: 21.10 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:168 Resp: 390595
Ion Ratio Lower Upper
168 100
139 38.2 30.6 45.8
169 13.2 10.8 16.2





#55

4-Nitrophenol

Concen: 20.52 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

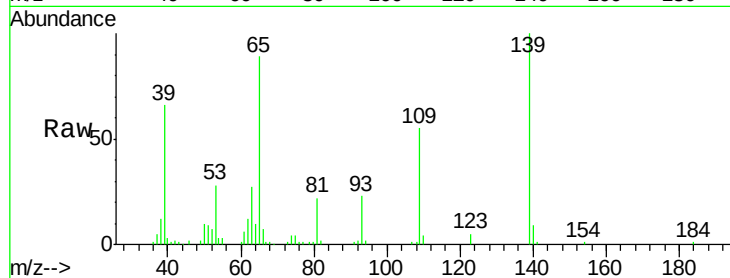
Tot Ion:139 Resp: 64360

Ion Ratio Lower Upper

139 100

109 55.3 34.1 74.1

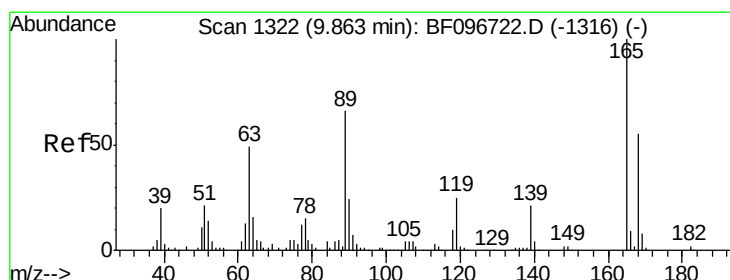
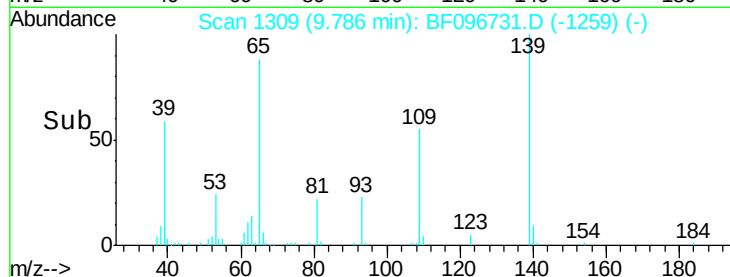
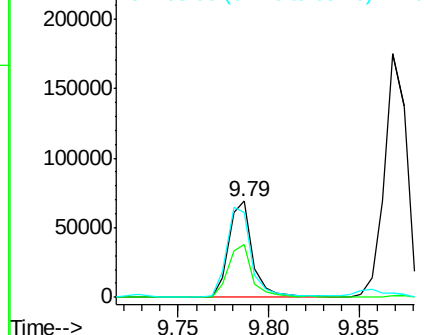
65 88.7 31.4 71.4#



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): BF0



#56

2,4-Dinitrotoluene

Concen: 21.13 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion:165 Resp: 98380

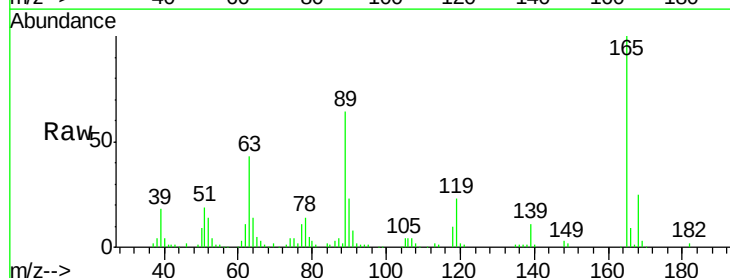
Ion Ratio Lower Upper

165 100

63 43.4 25.4 38.0#

89 64.4 46.4 69.6

182 2.1 1.8 2.6

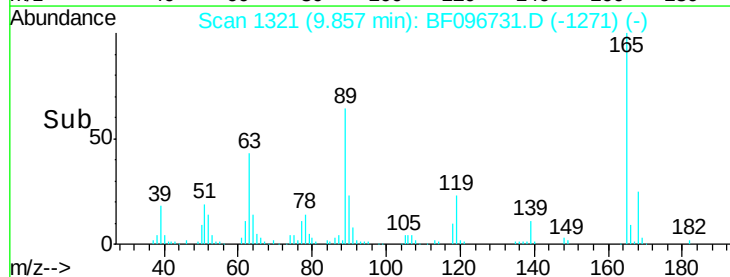
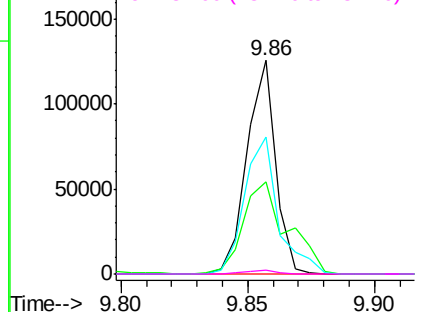


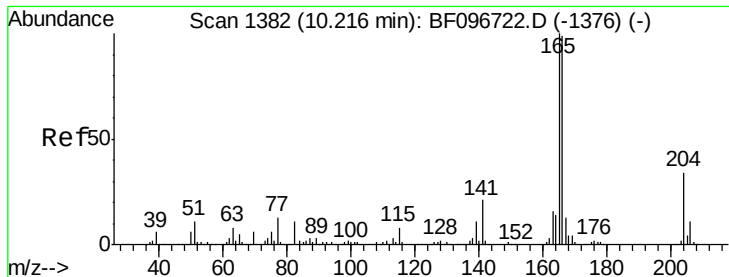
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 22.17 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

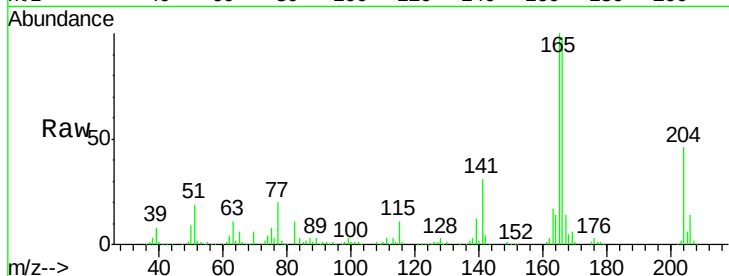
Tot Ion:166 Resp: 303177

Ion Ratio Lower Upper

166 100

165 101.7 78.8 118.2

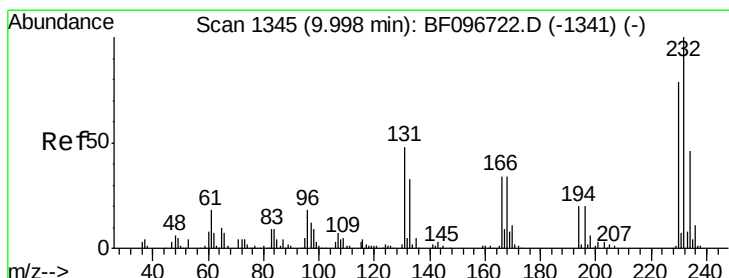
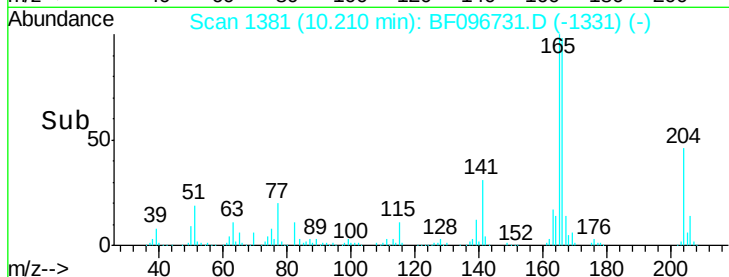
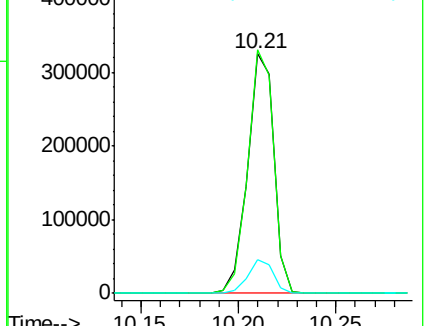
167 14.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 20.90 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion:232 Resp: 64762

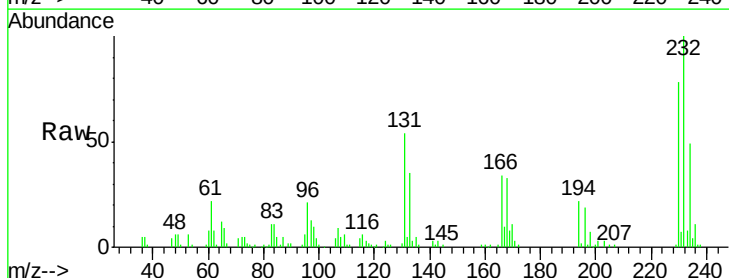
Ion Ratio Lower Upper

232 100

131 54.6 44.8 67.2

130 2.3 2.3 3.5#

166 34.4 29.0 43.4

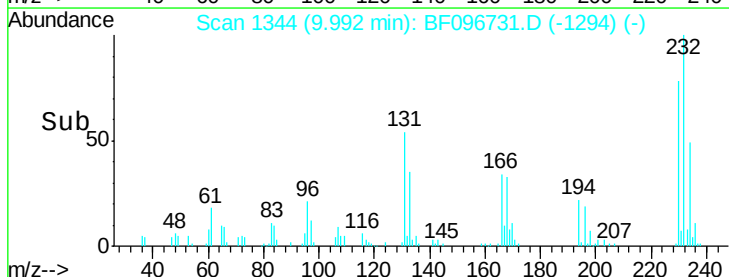
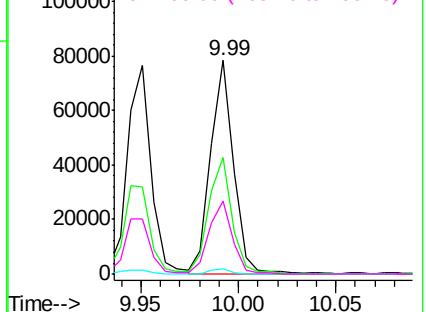


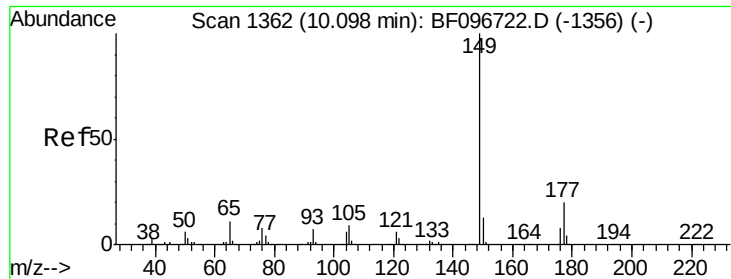
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

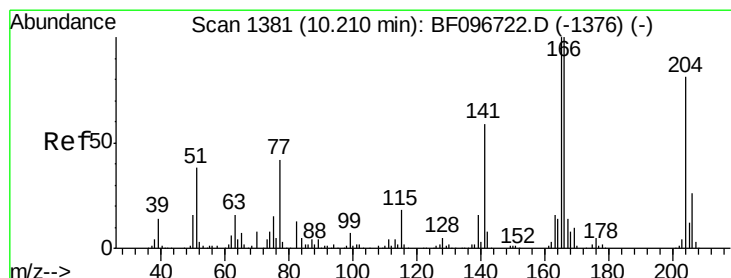
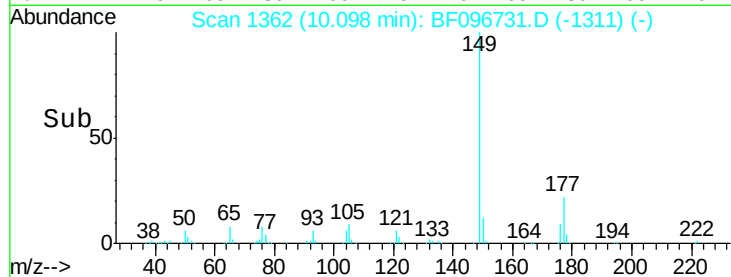
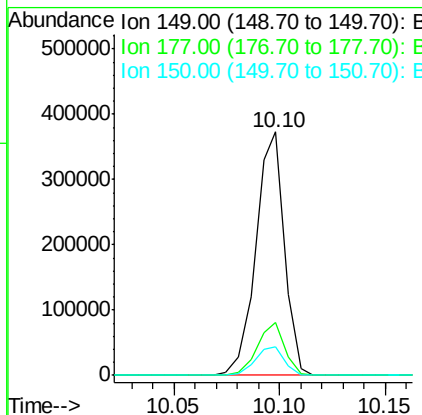
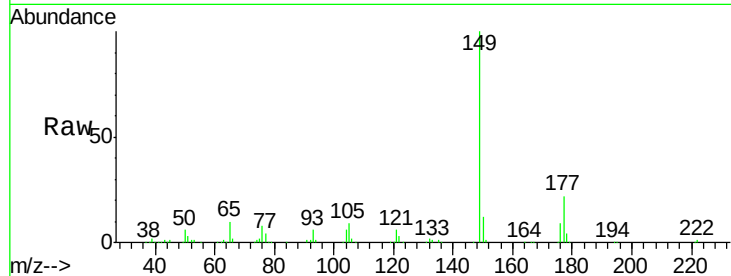




#59
Diethylphthalate
Concen: 21.49 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

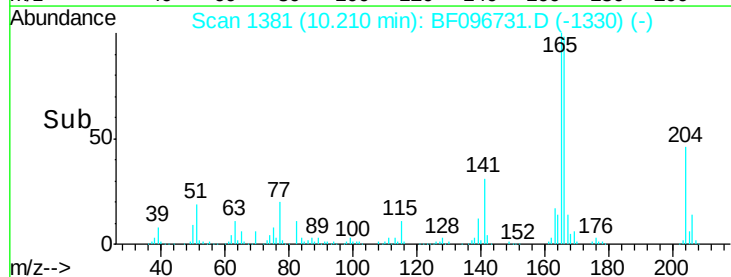
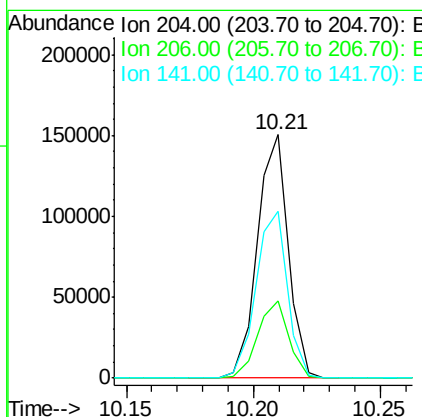
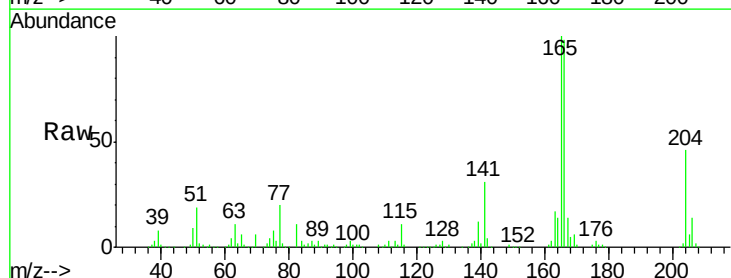
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

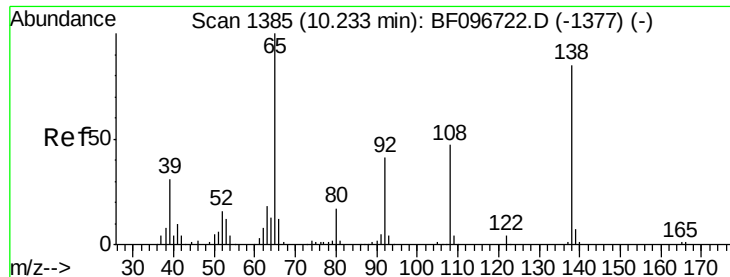
Tot Ion:149 Resp: 350021
Ion Ratio Lower Upper
149 100
177 21.6 16.7 25.1
150 11.9 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 19.22 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:204 Resp: 127441
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.2
141 68.7 60.8 91.2

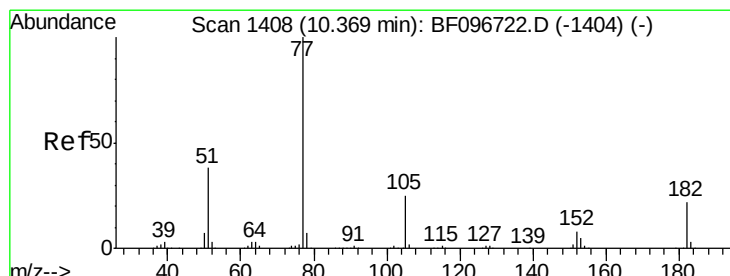
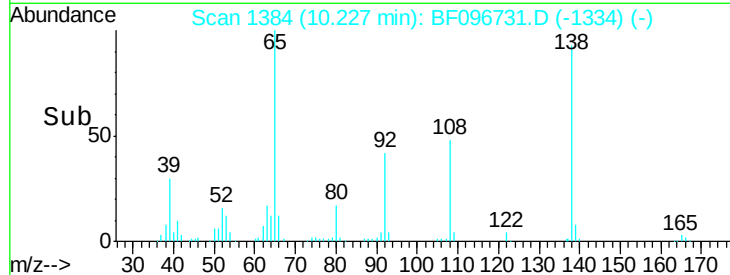
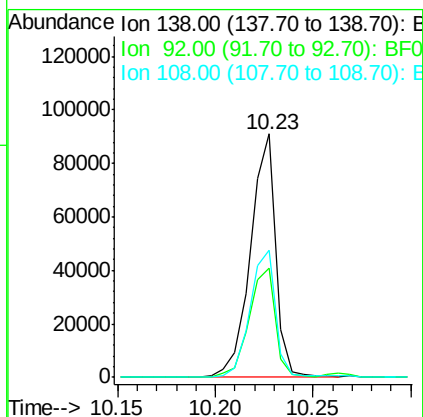
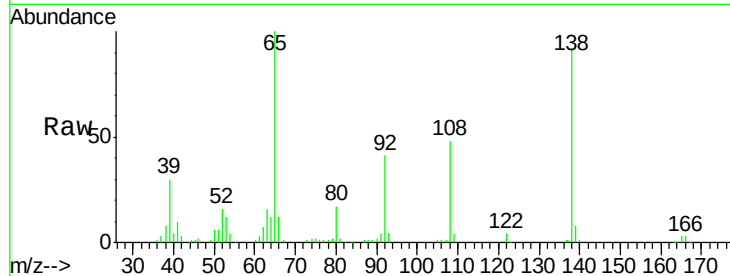




#61
 4-Nitroaniline
 Concen: 20.30 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

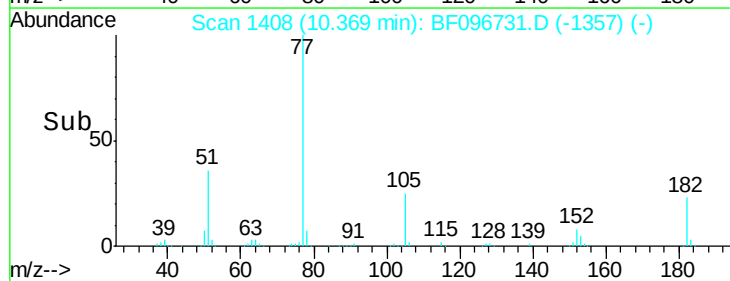
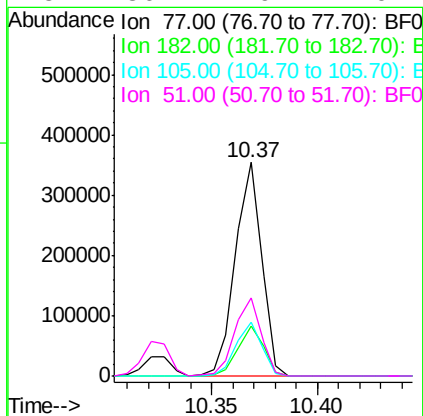
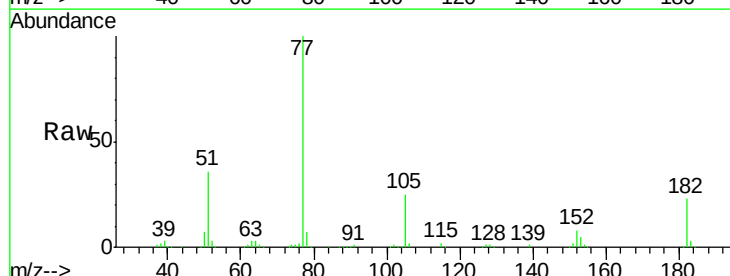
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

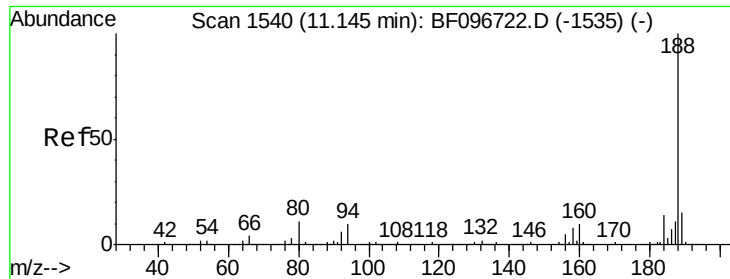
Tot Ion:	138	Resp:	81856
Ion	Ratio	Lower	Upper
138	100		
92	44.7	21.8	61.8
108	52.0	42.3	82.3



#62
 Azobenzene
 Concen: 21.20 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:	77	Resp:	304589
Ion	Ratio	Lower	Upper
77	100		
182	23.1	0.1	40.1
105	24.9	3.6	43.6
51	36.4	9.4	49.4

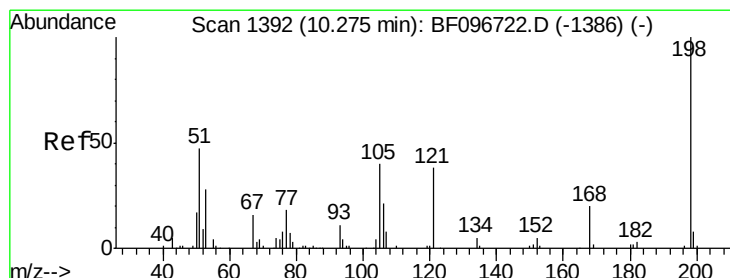
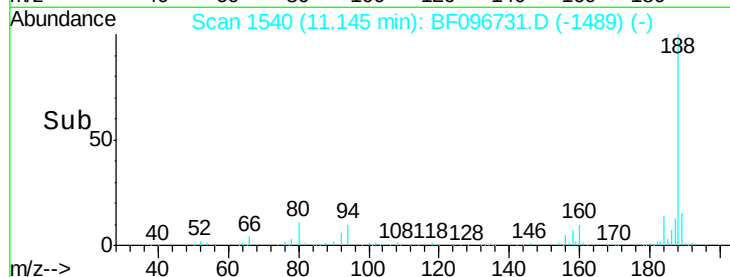
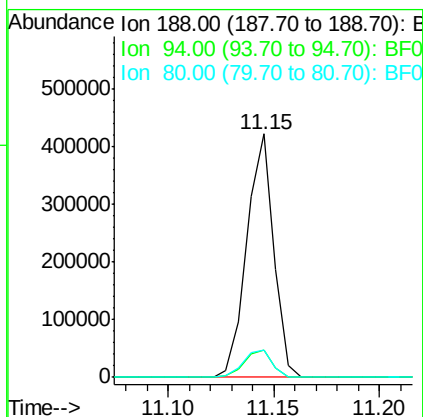
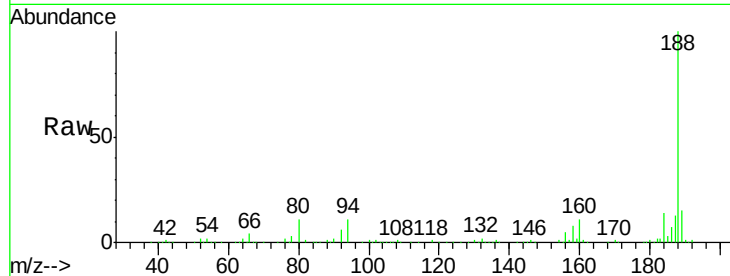




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

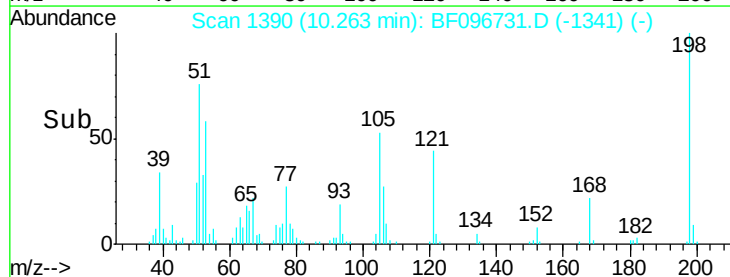
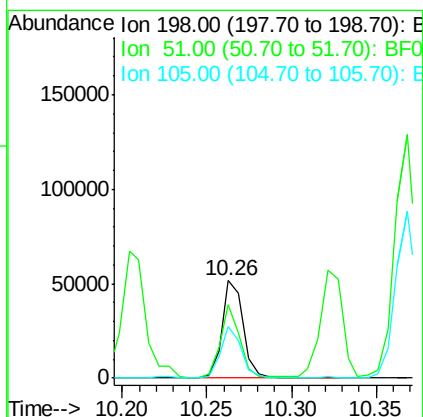
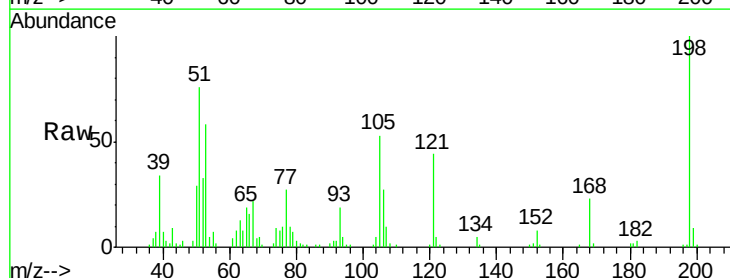
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

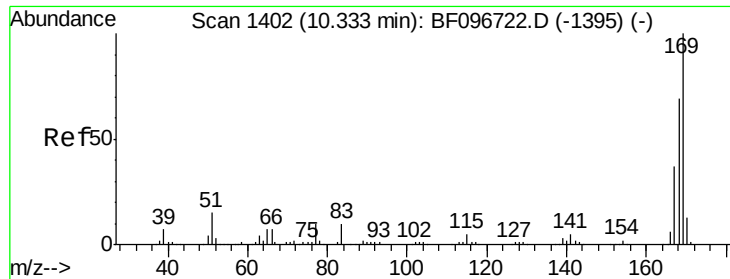
Tot Ion:188 Resp: 371933
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.4 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 19.22 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:198 Resp: 44883
 Ion Ratio Lower Upper
 198 100
 51 75.7 53.2 93.2
 105 53.5 45.8 85.8

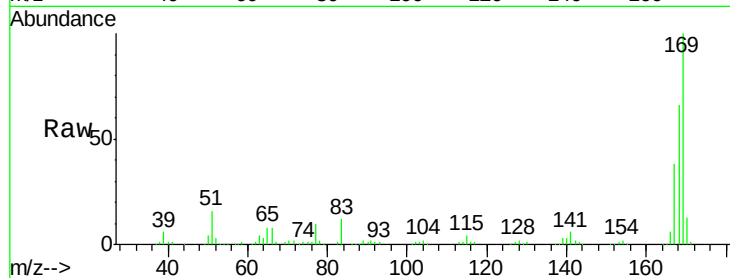




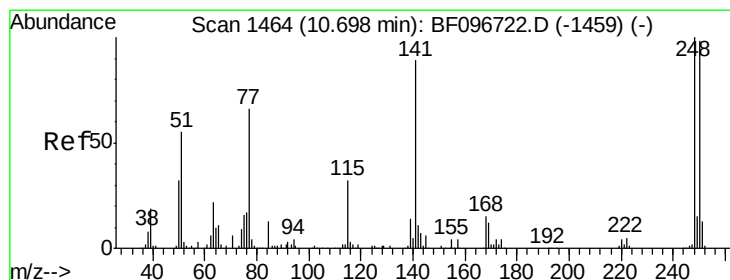
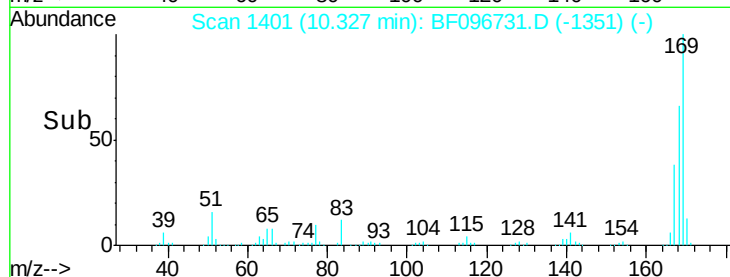
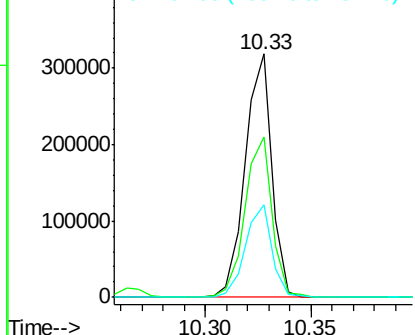
#65
n-Nitrosodiphenylamine
Concen: 20.92 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tot Ion:169 Resp: 278169
Ion Ratio Lower Upper
169 100
168 65.9 53.2 79.8
167 38.0 29.5 44.3

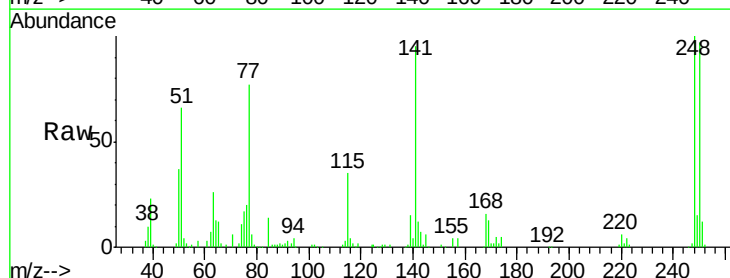


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

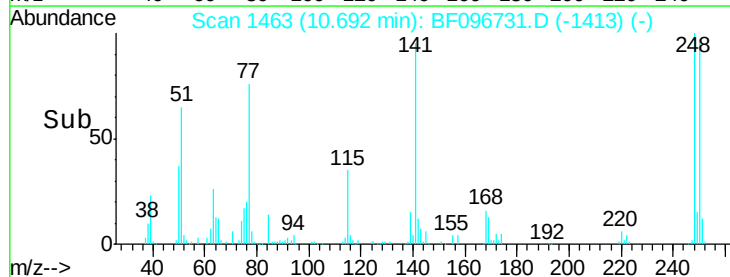
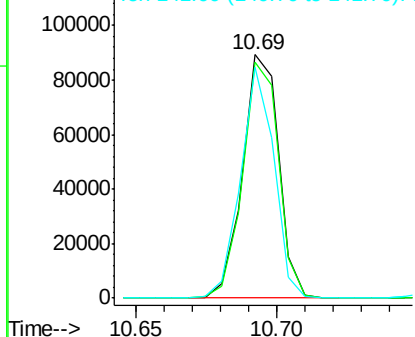


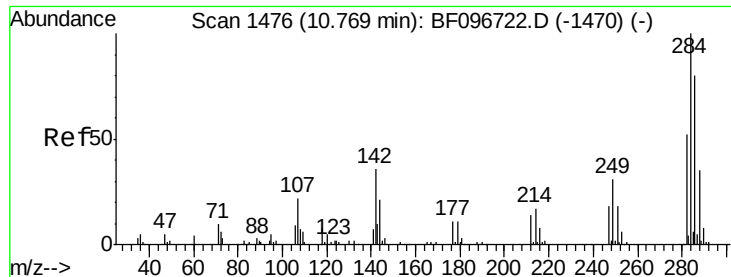
#66
4-Bromophenyl-phenylether
Concen: 20.82 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:248 Resp: 79046
Ion Ratio Lower Upper
248 100
250 96.8 76.8 115.2
141 94.7 68.6 103.0



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





#67

Hexachlorobenzene

Concen: 20.78 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

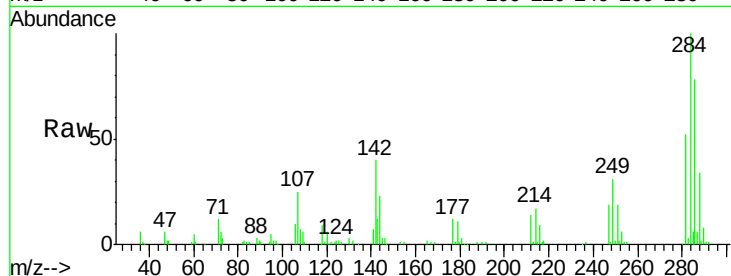
Tot Ion:284 Resp: 87871

Ion Ratio Lower Upper

284 100

142 40.4 22.8 34.2#

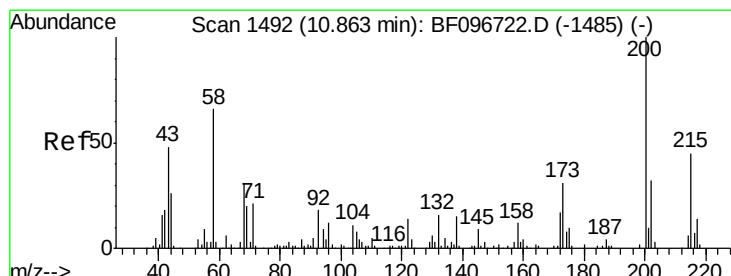
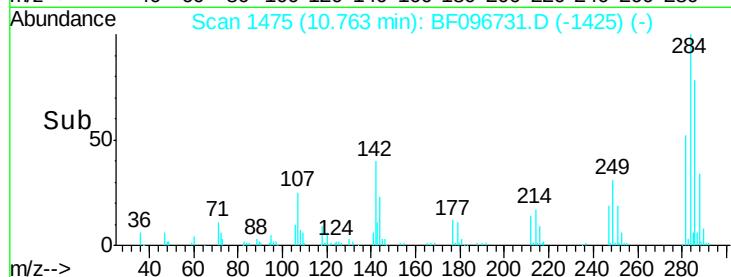
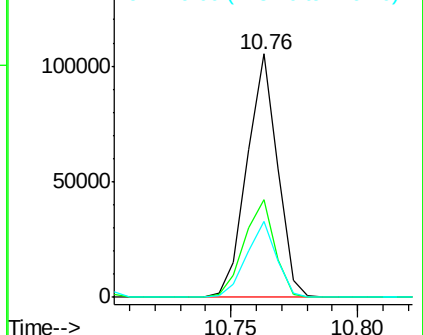
249 31.4 24.0 36.0



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



#68

Atrazine

Concen: 20.81 ng

RT: 10.86 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

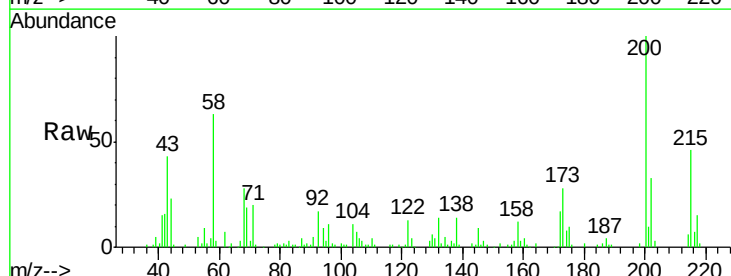
Tgt Ion:200 Resp: 78819

Ion Ratio Lower Upper

200 100

173 28.4 6.3 46.3

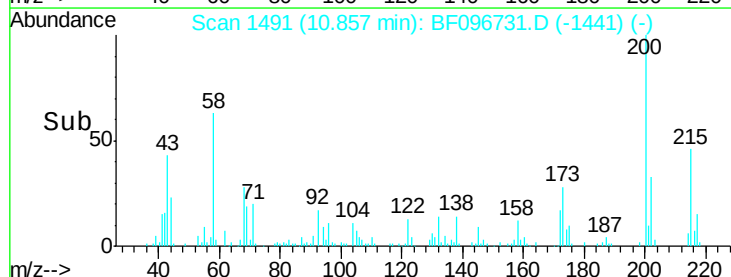
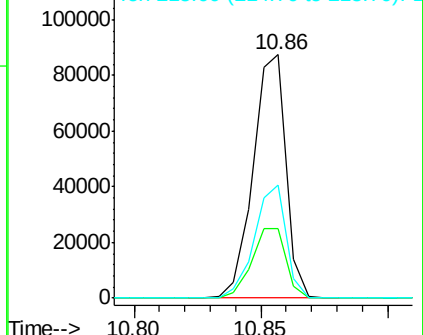
215 46.4 27.2 67.2

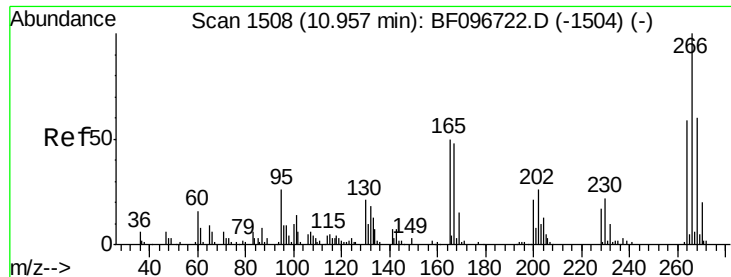


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

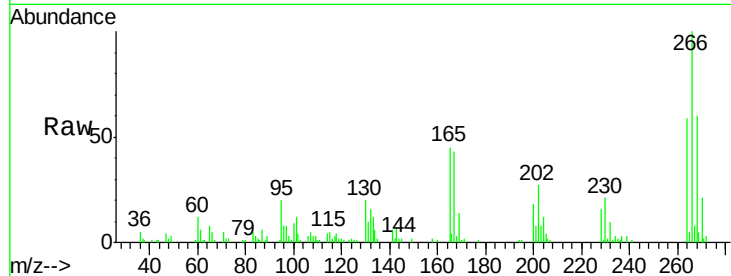




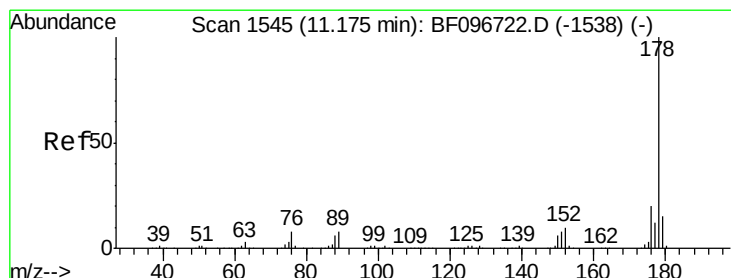
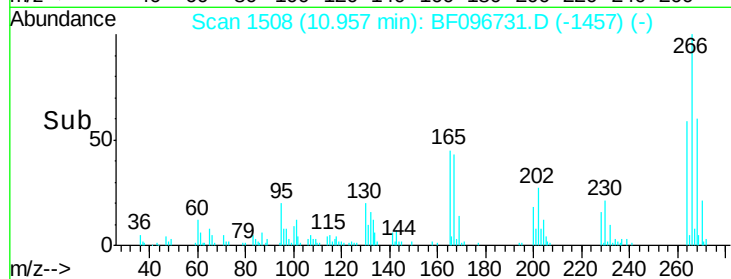
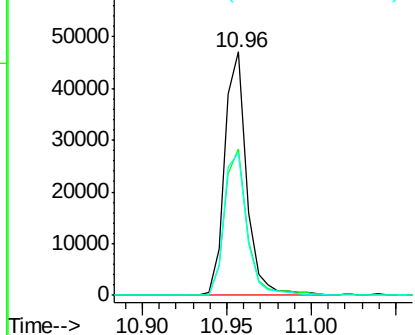
#69
 Pentachlorophenol
 Concen: 20.92 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tot Ion:266 Resp: 42750
 Ion Ratio Lower Upper
 266 100
 268 60.2 51.1 76.7
 264 58.7 51.7 77.5

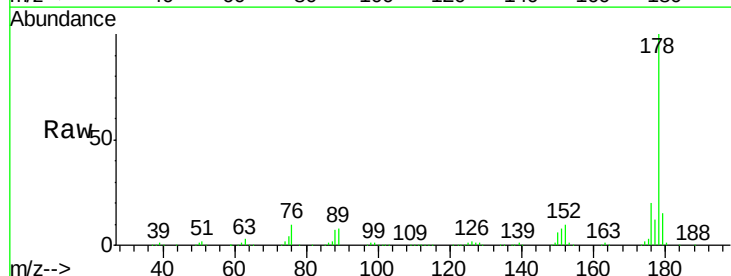


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

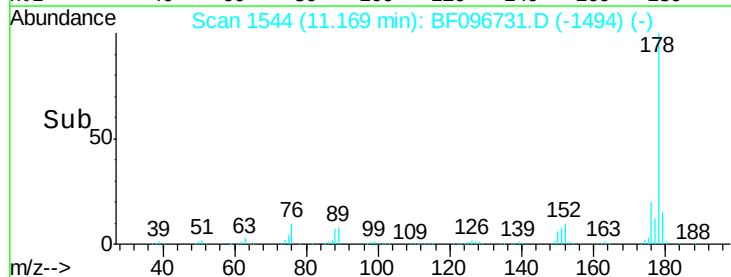
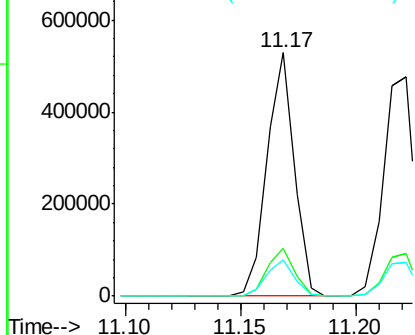


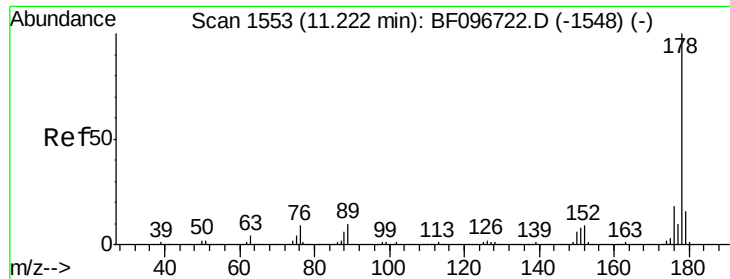
#70
 Phenanthrene
 Concen: 21.49 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:178 Resp: 434679
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.2 24.4
 179 15.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

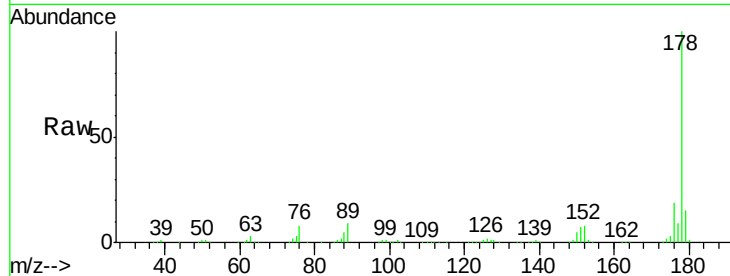




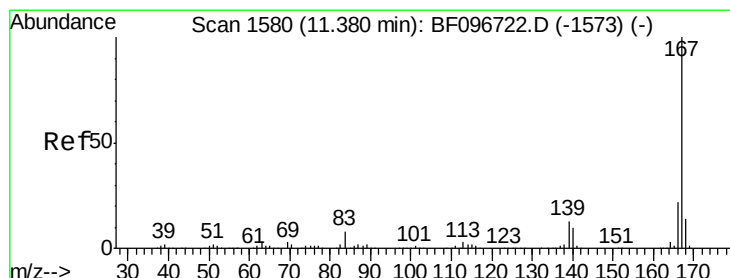
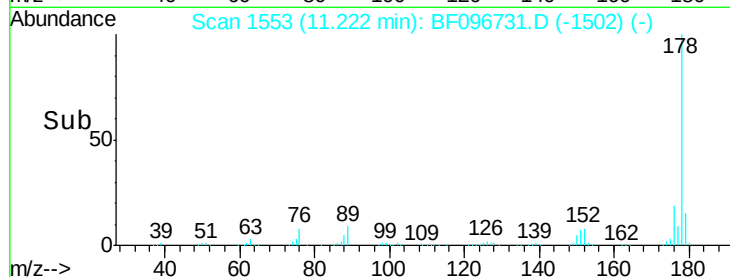
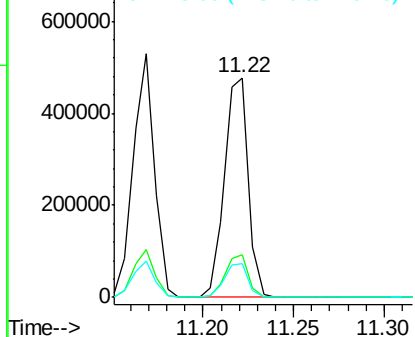
#71
 Anthracene
 Concen: 21.43 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tot Ion:178 Resp: 438144
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.1 12.7 19.1

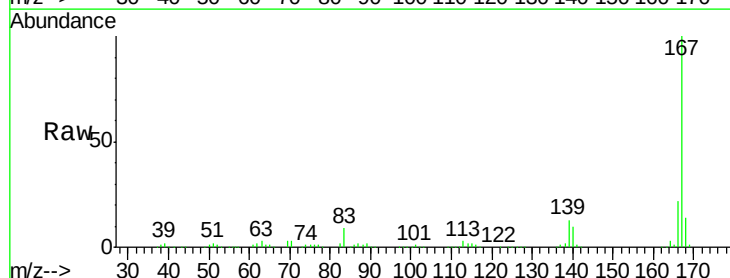


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

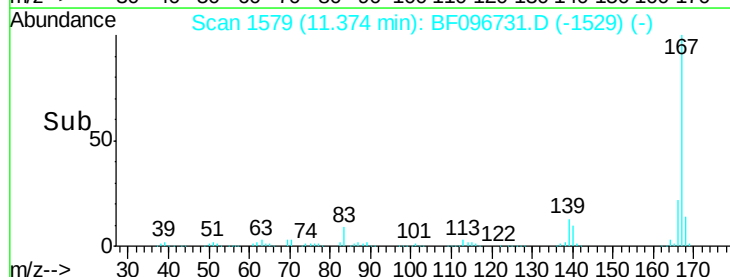
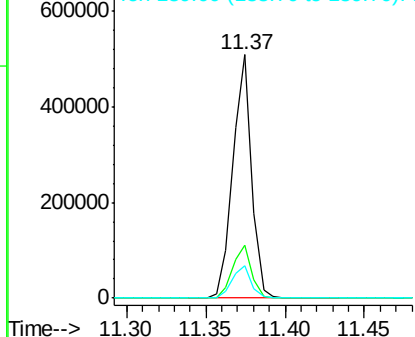


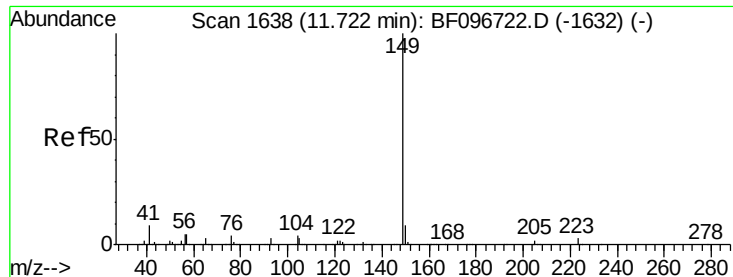
#72
 Carbazole
 Concen: 21.01 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:167 Resp: 416050
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.1 27.1
 139 13.2 11.7 17.5



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





#73

Di-n-butylphthalate

Concen: 19.60 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

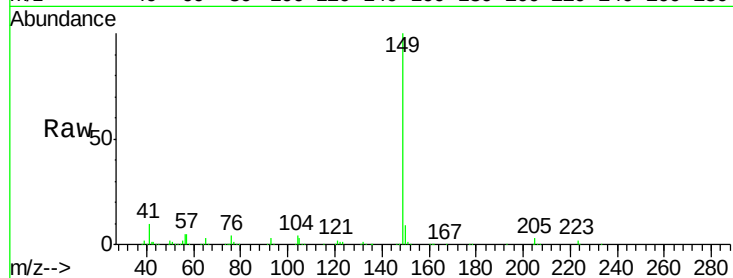
Tot Ion:149 Resp: 483226

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

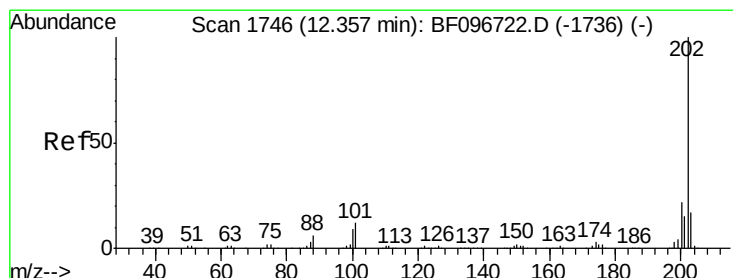
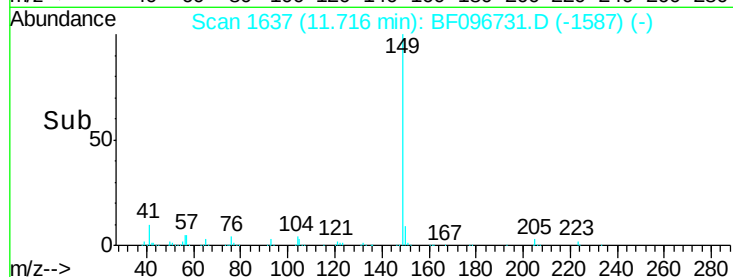
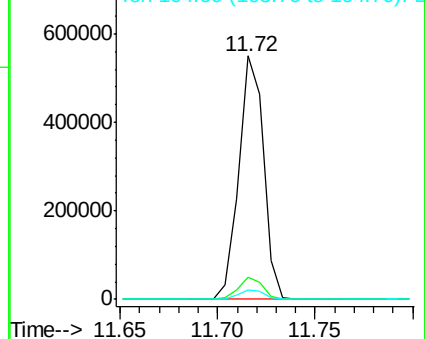
104 4.1 4.0 6.0



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



#74

Fluoranthene

Concen: 21.25 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

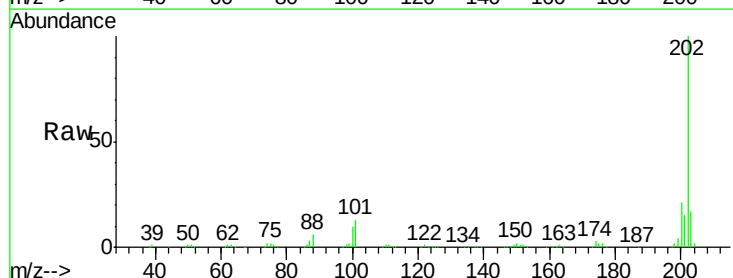
Tgt Ion:202 Resp: 411320

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

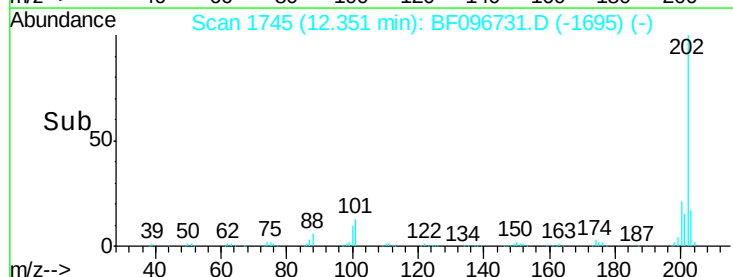
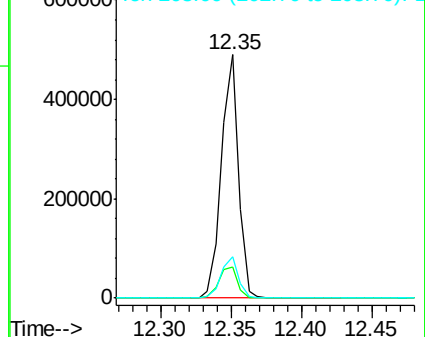
203 16.9 0.0 38.1

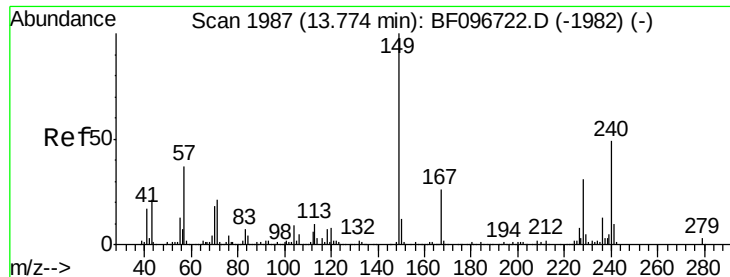


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

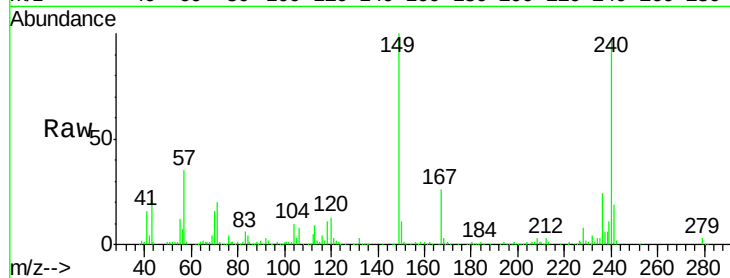
Tot Ion:240 Resp: 228436

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

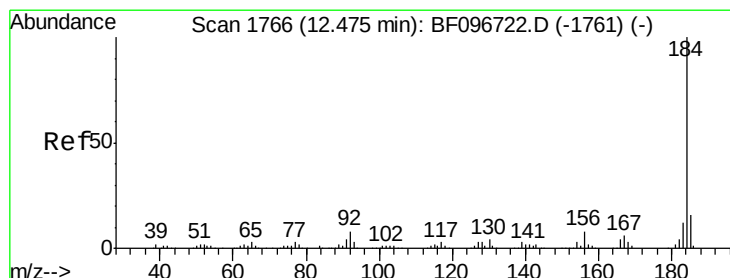
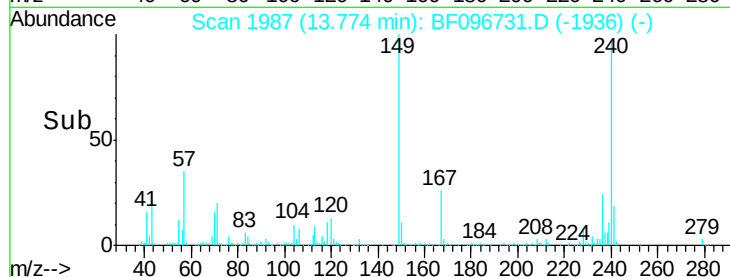
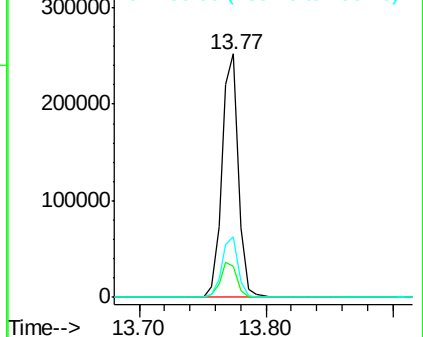
236 25.0 20.5 30.7



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



#76

Benzidine

Concen: 16.49 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

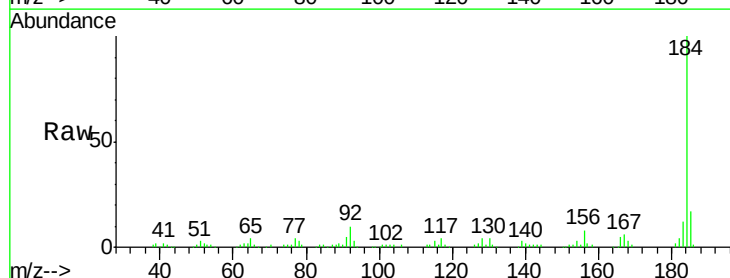
Tgt Ion:184 Resp: 123420

Ion Ratio Lower Upper

184 100

185 17.4 15.5 23.3

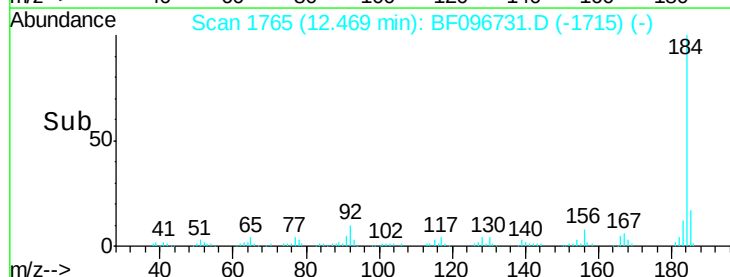
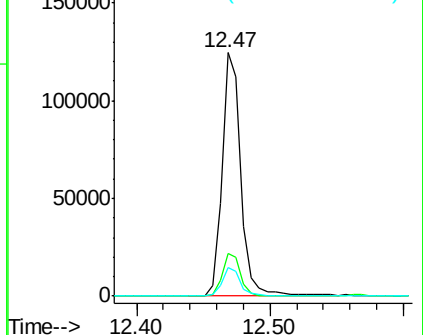
183 11.8 9.8 14.6

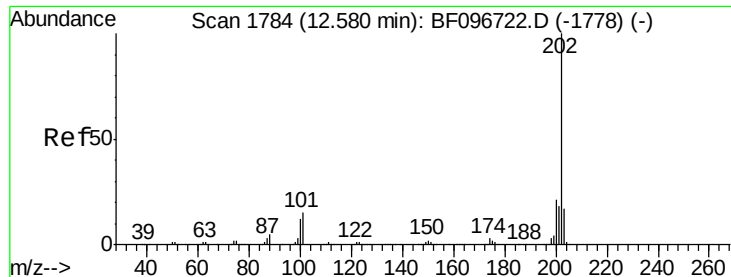


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

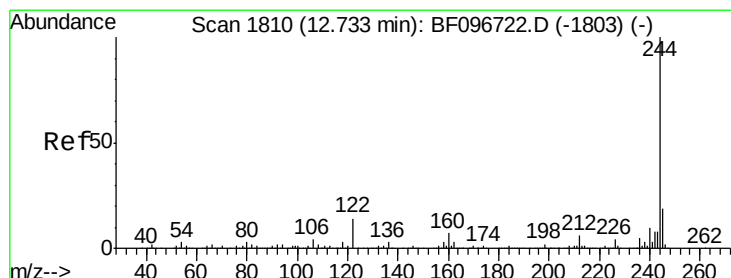
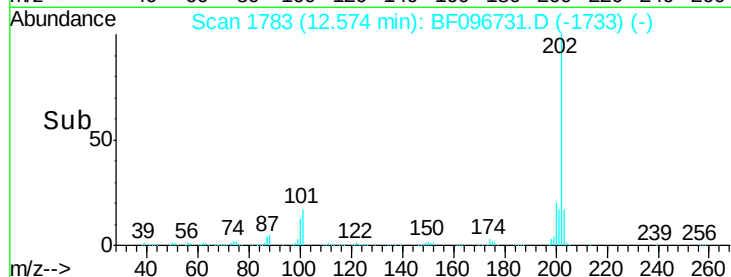
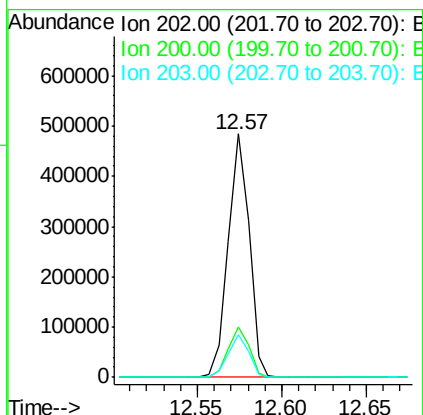
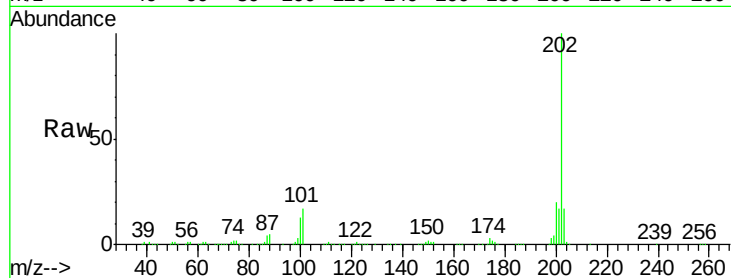




#77
Pvrene
Concen: 20.20 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

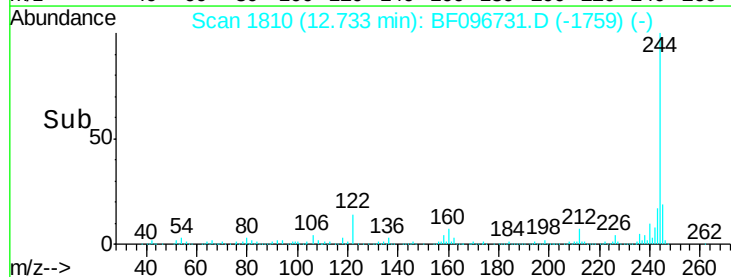
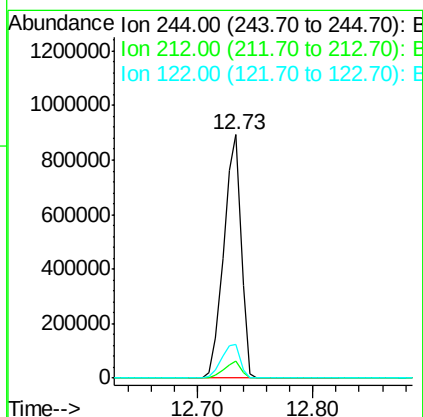
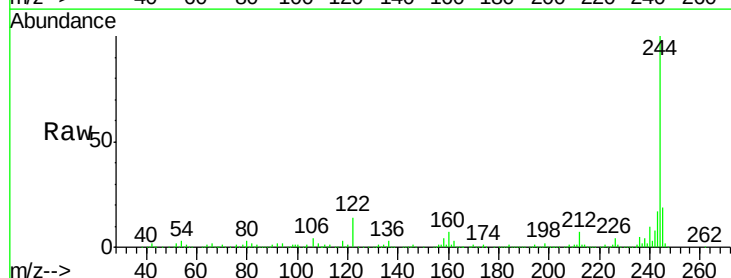
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

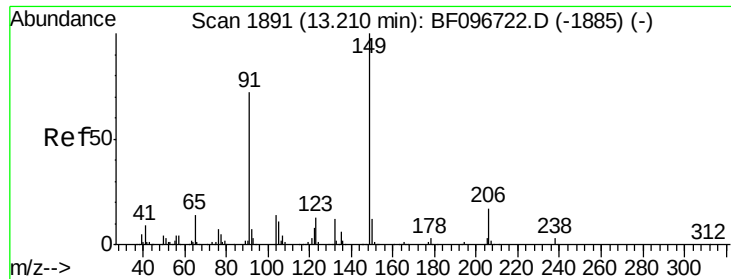
Tot Ion:202 Resp: 418720
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 17.5 14.4 21.6



#78
Terphenyl-d14
Concen: 70.44 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:244 Resp: 927811
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 13.9 10.3 15.5

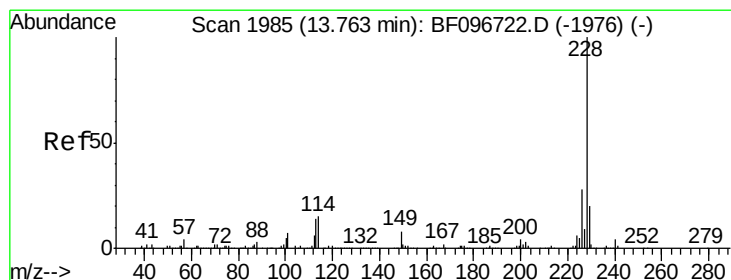
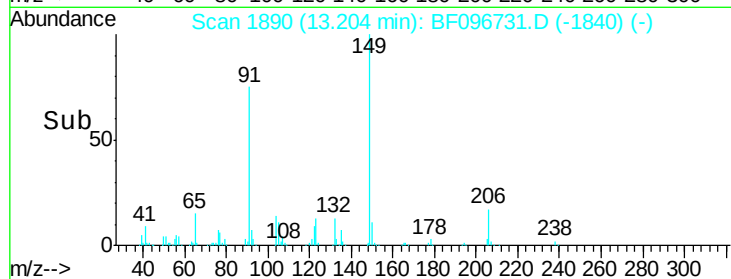
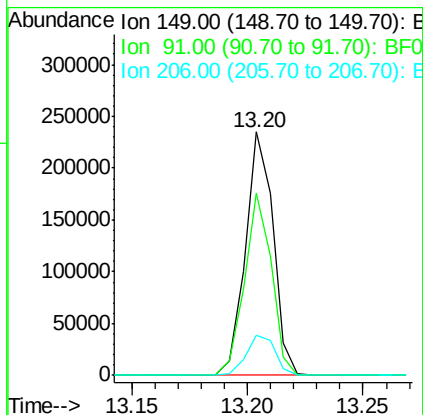
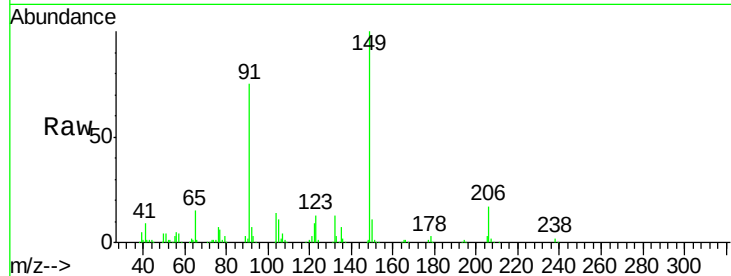




#79
Butylbenzylphthalate
Concen: 40.13 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

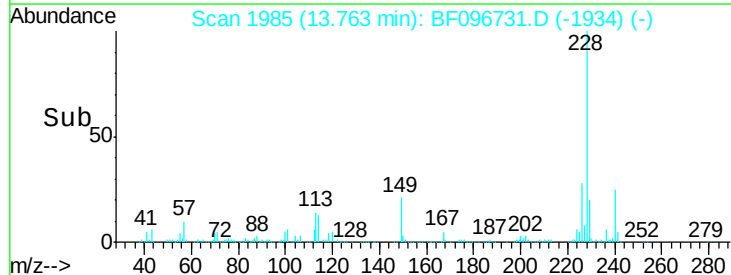
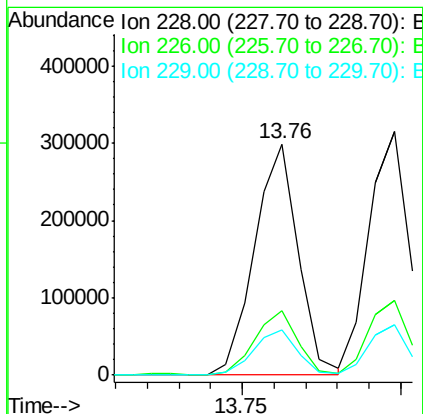
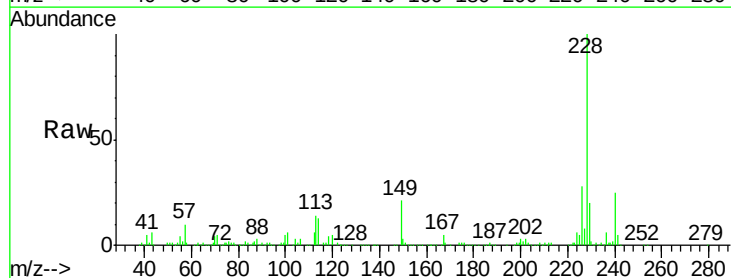
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

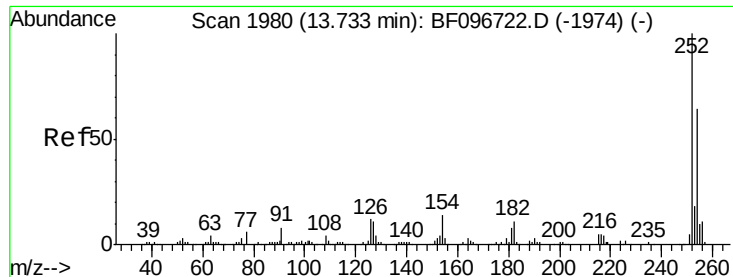
Tot Ion:149 Resp: 197664
Ion Ratio Lower Upper
149 100
91 74.9 45.0 67.4#
206 16.6 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 20.05 ng
RT: 13.76 min Scan# 1985
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:228 Resp: 285330
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.7 16.3 24.5

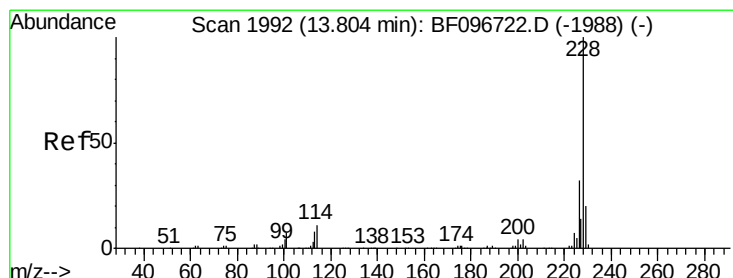
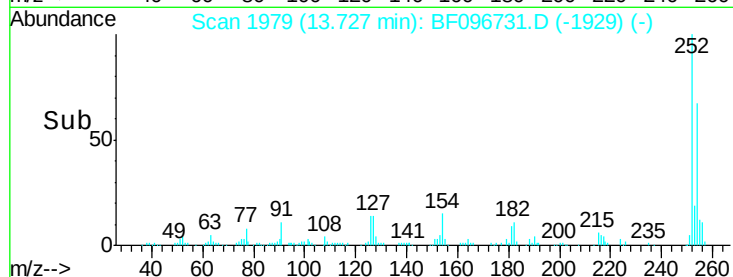
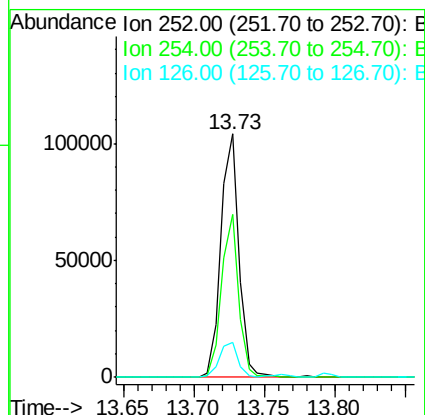
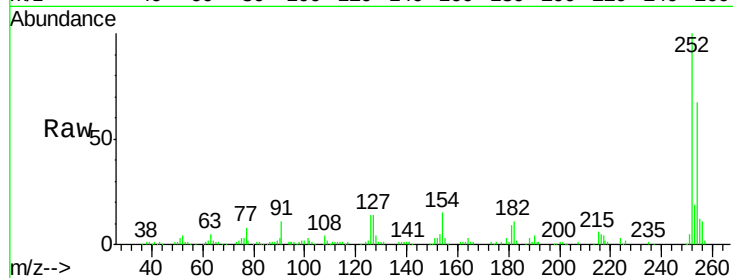




#81
 3,3'-Dichlorobenzidine
 Concen: 18.19 ng
 RT: 13.73 min Scan# 1979
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

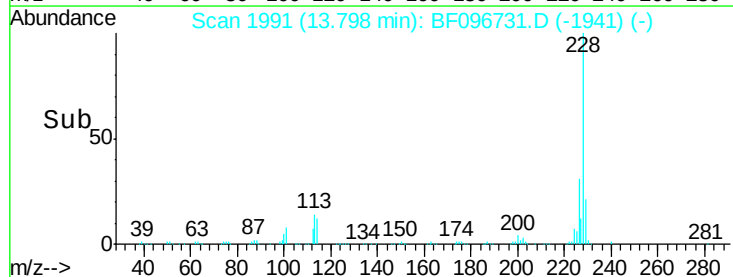
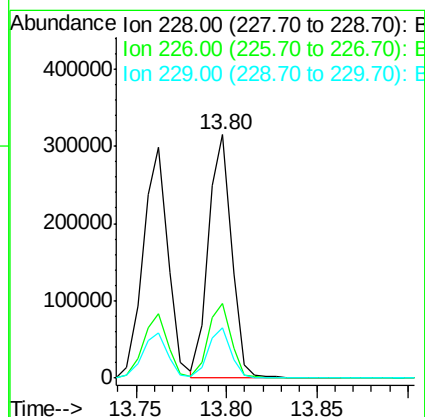
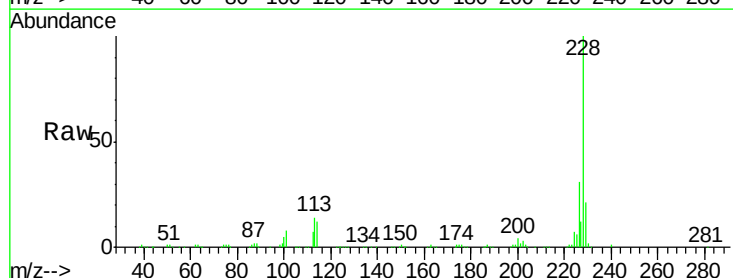
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

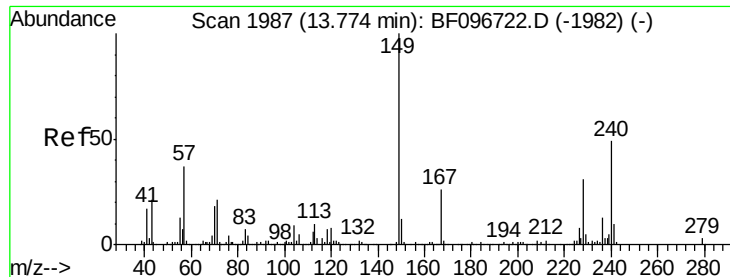
Tot Ion:252 Resp: 93088
 Ion Ratio Lower Upper
 252 100
 254 67.0 51.5 77.3
 126 14.2 15.8 23.8#



#82
 Chrysene
 Concen: 19.88 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:228 Resp: 278584
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.9 37.3
 229 20.5 15.8 23.6

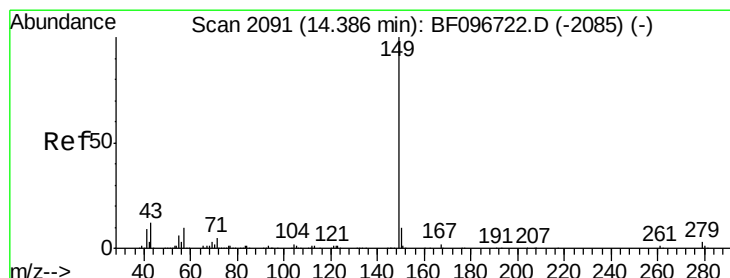
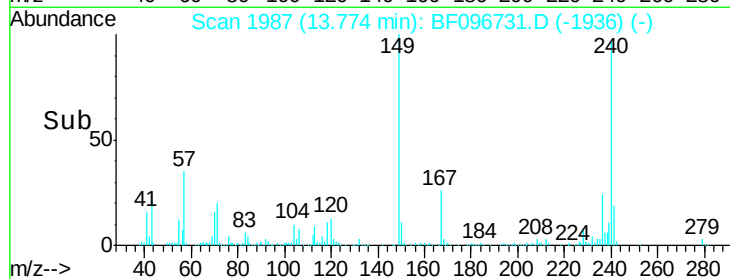
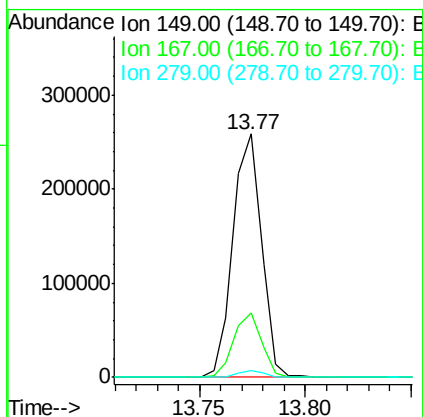
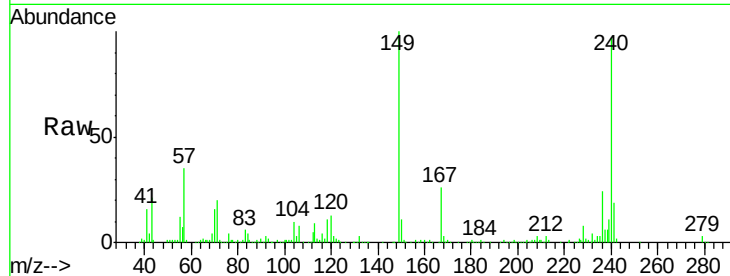




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.11 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

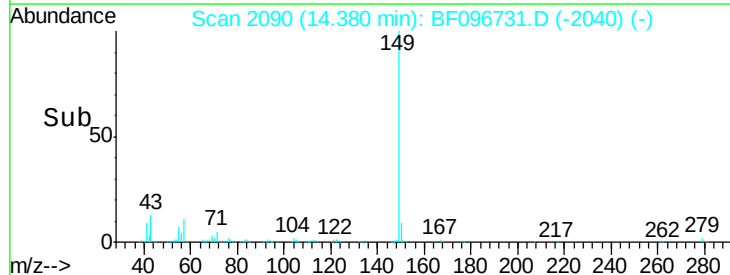
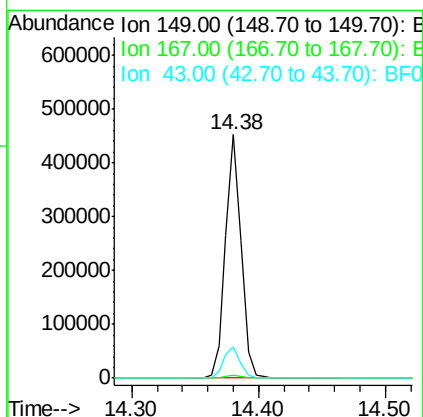
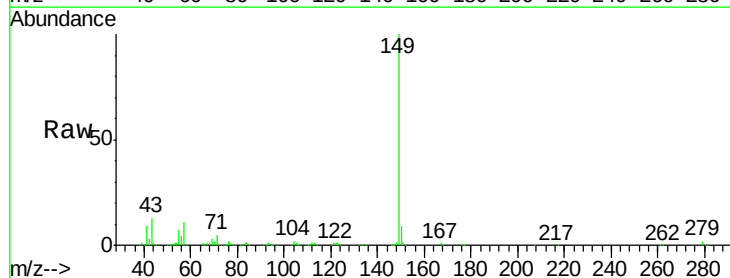
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

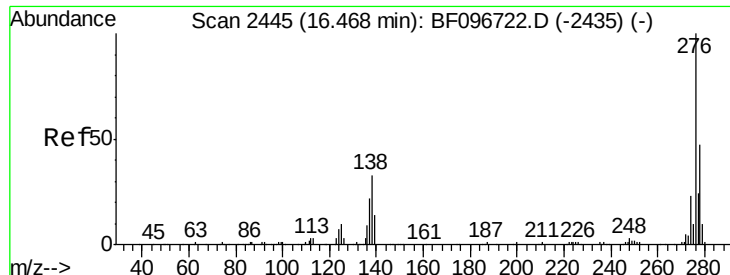
Tot Ion:149 Resp: 241197
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.0 31.4
 279 3.0 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 19.53 ng
 RT: 14.38 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:149 Resp: 387360
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 13.3 8.5 12.7#

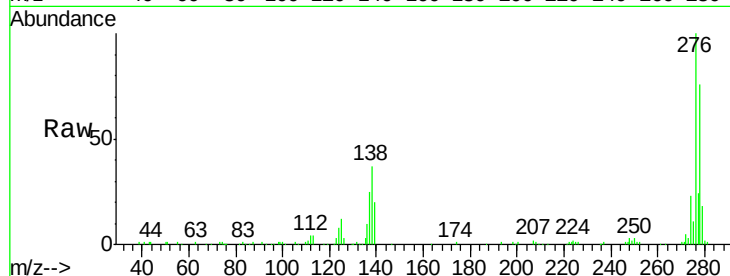




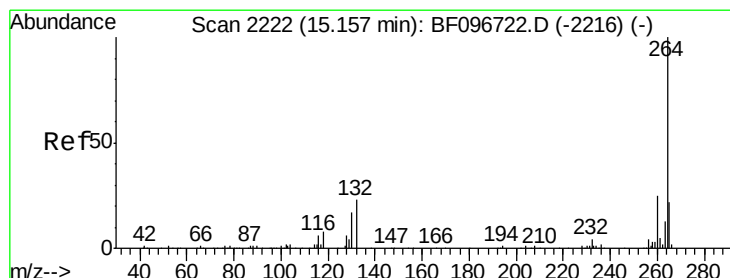
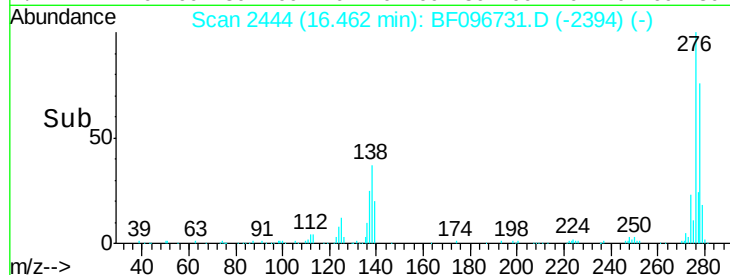
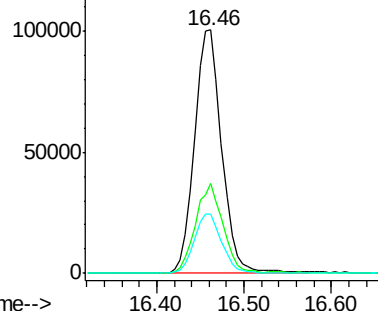
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.92 ng
 RT: 16.46 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.8	27.8	41.6
277	24.5	20.2	30.4

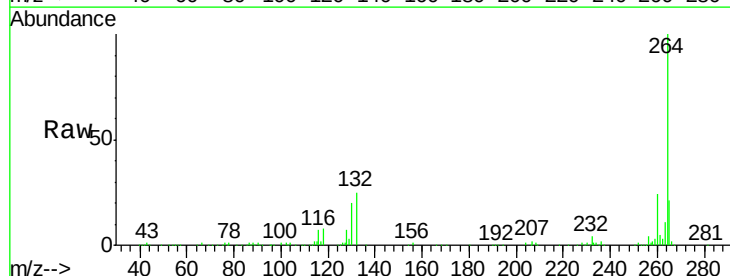


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

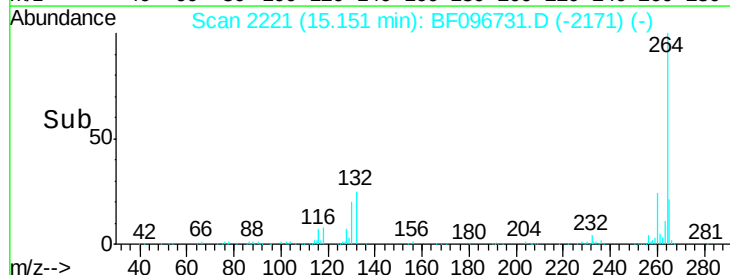
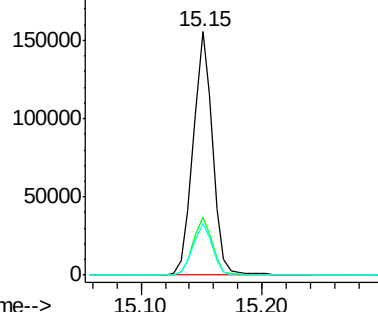


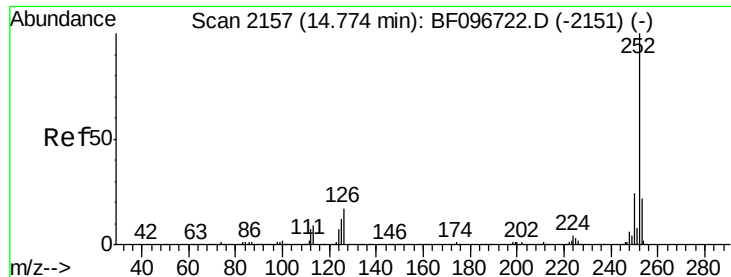
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.0	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

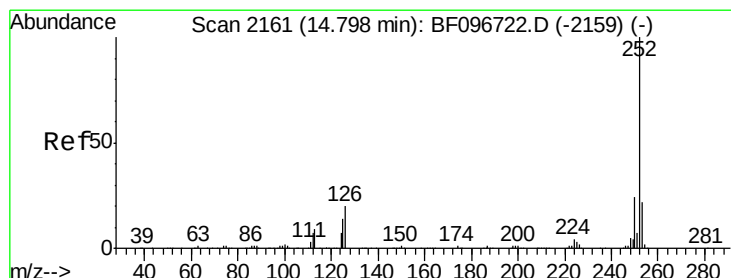
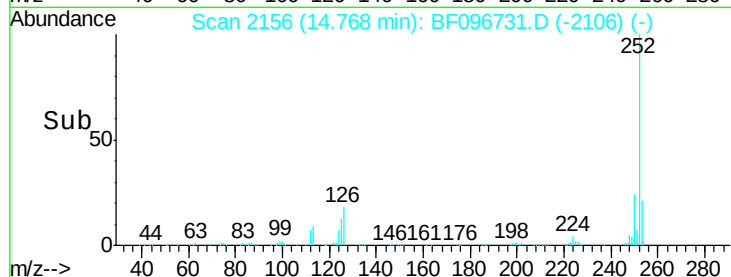
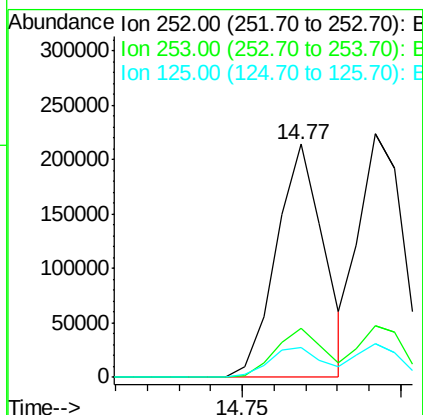
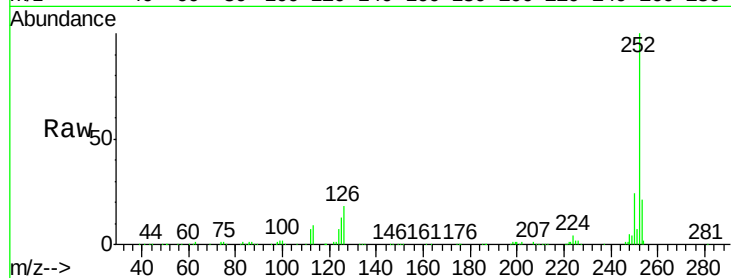




#87
Benzo(b)fluoranthene
Concen: 21.46 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

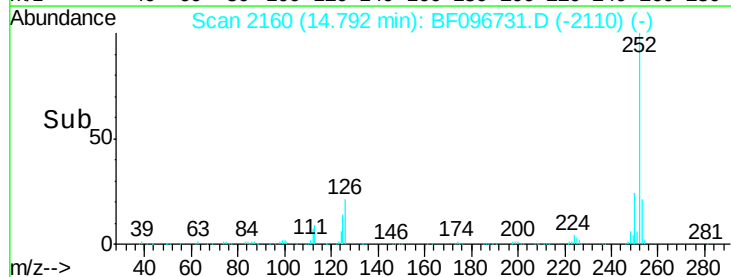
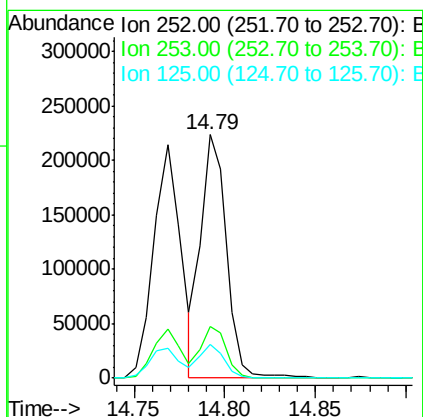
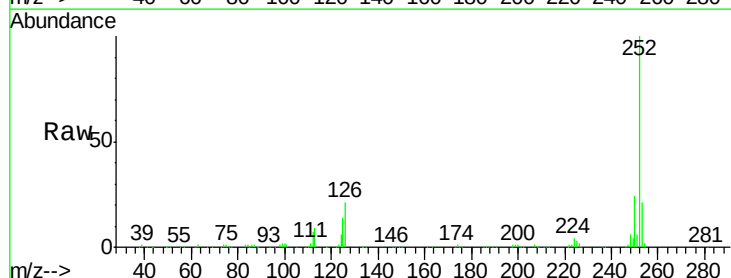
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

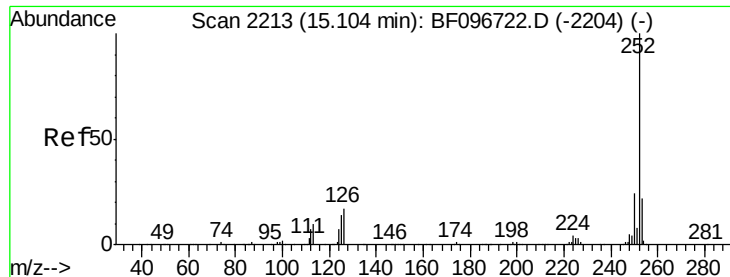
Tot Ion:252 Resp: 223017
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 13.0 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 22.24 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:252 Resp: 218808
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 14.1 13.1 19.7





#89

Benzo(a)pyrene

Concen: 21.42 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

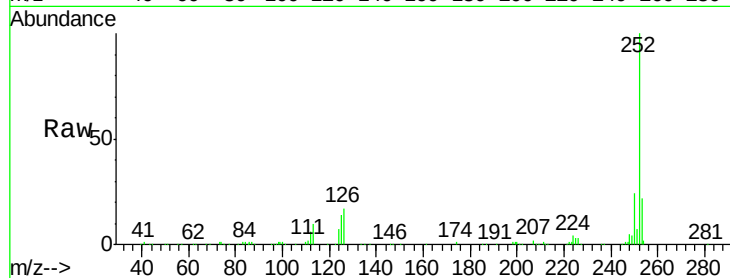
Tot Ion:252 Resp: 204149

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

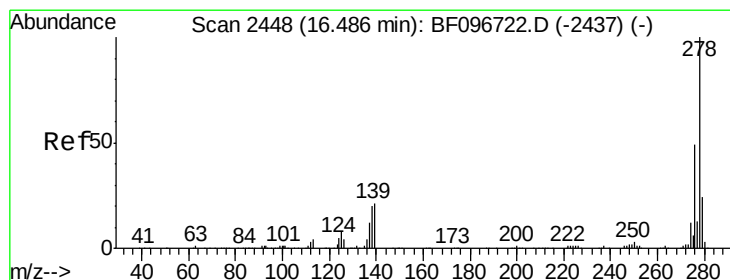
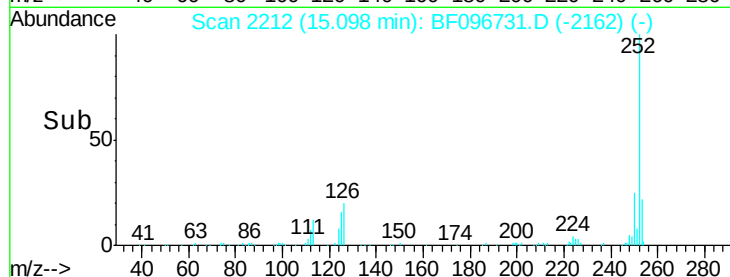
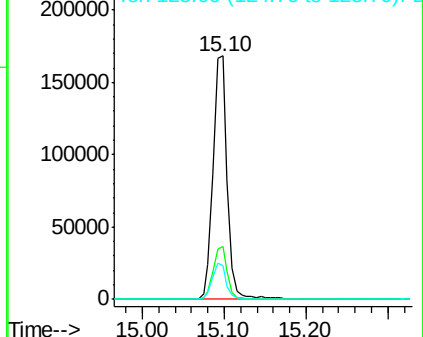
125 13.6 11.0 16.4



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

Dibenzo(a,h)anthracene

Concen: 19.98 ng

RT: 16.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

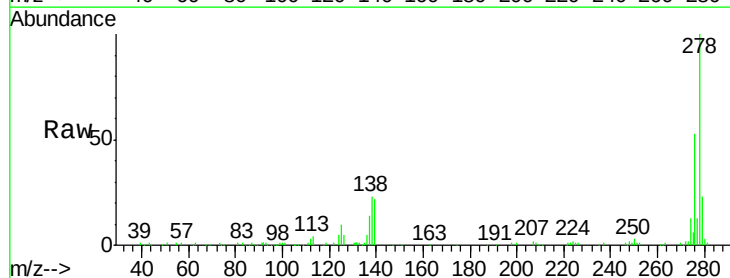
Tgt Ion:278 Resp: 175252

Ion Ratio Lower Upper

278 100

139 22.4 16.6 24.8

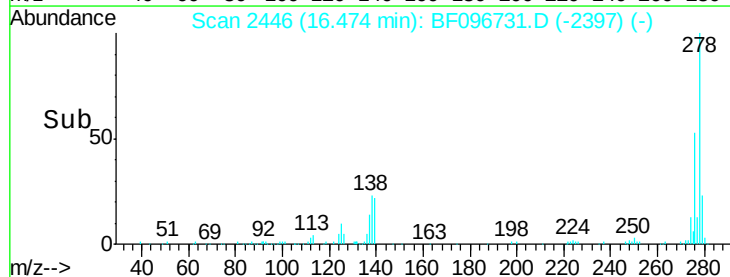
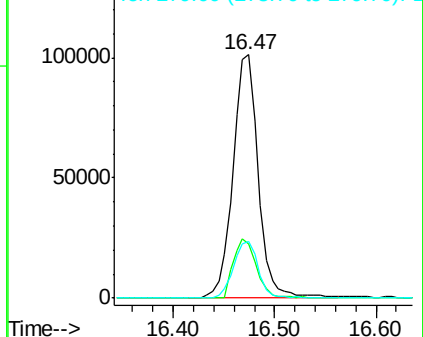
279 23.2 19.3 28.9

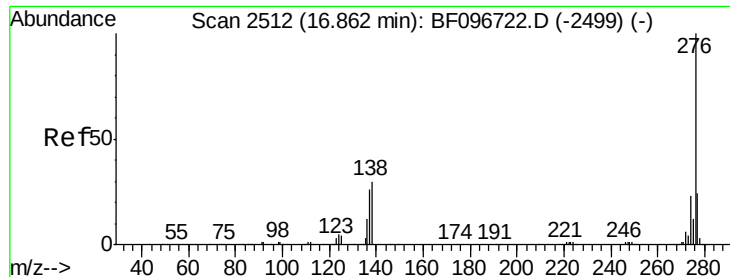


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 19.68 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

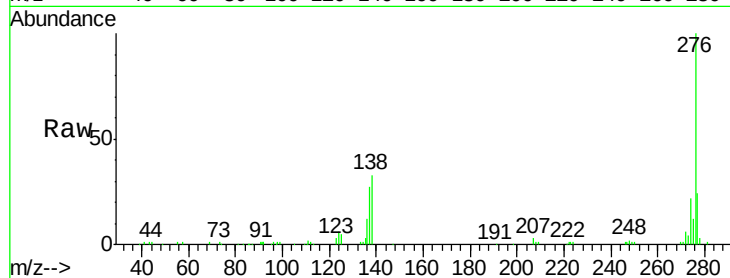
Tot Ion: 276 Resp: 184829

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 32.7 25.4 38.0



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

