

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002143.D
 Acq On : 25 Jul 2018 19:29
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 1 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 26 05:40:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 20:08:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	202958	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	837647	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	489835	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1036093	20.00	ng	0.00
75) Chrysene-d12	21.27	240	903335	20.00	ng	0.00
86) Perylene-d12	23.49	264	846083	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1517902	120.40	ng	0.00
7) Phenol-d6	6.88	99	2038825	115.25	ng	0.00
23) Nitrobenzene-d5	8.84	82	1413289	86.53	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	797937	125.45	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3211408	85.39	ng	0.00
78) Terphenyl-d14	19.71	244	4612770	106.50	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.03	93	11919	0.552	ng	98
8) 2-Chlorophenol	7.26	128	13142	0.899	ng	98
9) Benzaldehyde	6.85	77	14489	1.330	ng	88
10) Phenol	6.90	94	16100	0.888	ng	# 62
11) bis(2-Chloroethyl)ether	7.13	93	11655	0.790	ng	92
12) 1,3-Dichlorobenzene	7.58	146	14471	0.869	ng	97
13) 1,4-Dichlorobenzene	7.73	146	14781	0.867	ng	95
14) 1,2-Dichlorobenzene	8.04	146	14075	0.856	ng	98
15) Benzyl Alcohol	7.93	79	6730	0.504	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.22	45	20451	0.858	ng	92
18) Hexachloroethane	8.76	117	5477	0.878	ng	# 71
24) Nitrobenzene	8.88	77	16110	0.952	ng	# 97
31) Naphthalene	10.52	128	41938	0.992	ng	96
34) Hexachlorobutadiene	10.80	225	7653	0.832	ng	88
37) 2-Methylnaphthalene	12.13	142	29139	0.977	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	14750	0.896	ng	98
45) 1,1'-Biphenyl	13.15	154	41552	0.964	ng	96
46) 2-Chloronaphthalene	13.19	162	29859	0.897	ng	97
48) Acenaphthylene	14.05	152	44320	0.878	ng	95
49) Dimethylphthalate	13.78	163	34479	0.847	ng	97
50) 2,6-Dinitrotoluene	13.90	165	6241	0.690	ng	94
51) Acenaphthene	14.39	154	27975	0.920	ng	95
54) Dibenzofuran	14.72	168	44457	0.902	ng	99
57) Fluorene	15.37	166	33292	0.896	ng	93
58) 2,3,4,6-Tetrachlorophenol	14.96	232	6783	0.674	ng	# 92
59) Diethylphthalate	15.16	149	31846	0.769	ng	98
62) Azobenzene	15.67	77	29832	0.751	ng	97
65) n-Nitrosodiphenylamine	15.59	169	27814	0.809	ng	96
66) 4-Bromophenyl-phenylether	16.27	248	10322	0.851	ng	# 90
67) Hexachlorobenzene	16.38	284	12036	0.897	ng	# 89
68) Atrazine	16.54	200	8315	0.718	ng	91
70) Phenanthrene	17.11	178	55001	0.973	ng	97
71) Anthracene	17.20	178	52418	0.936	ng	96
72) Carbazole	17.48	167	42214	0.752	ng	93

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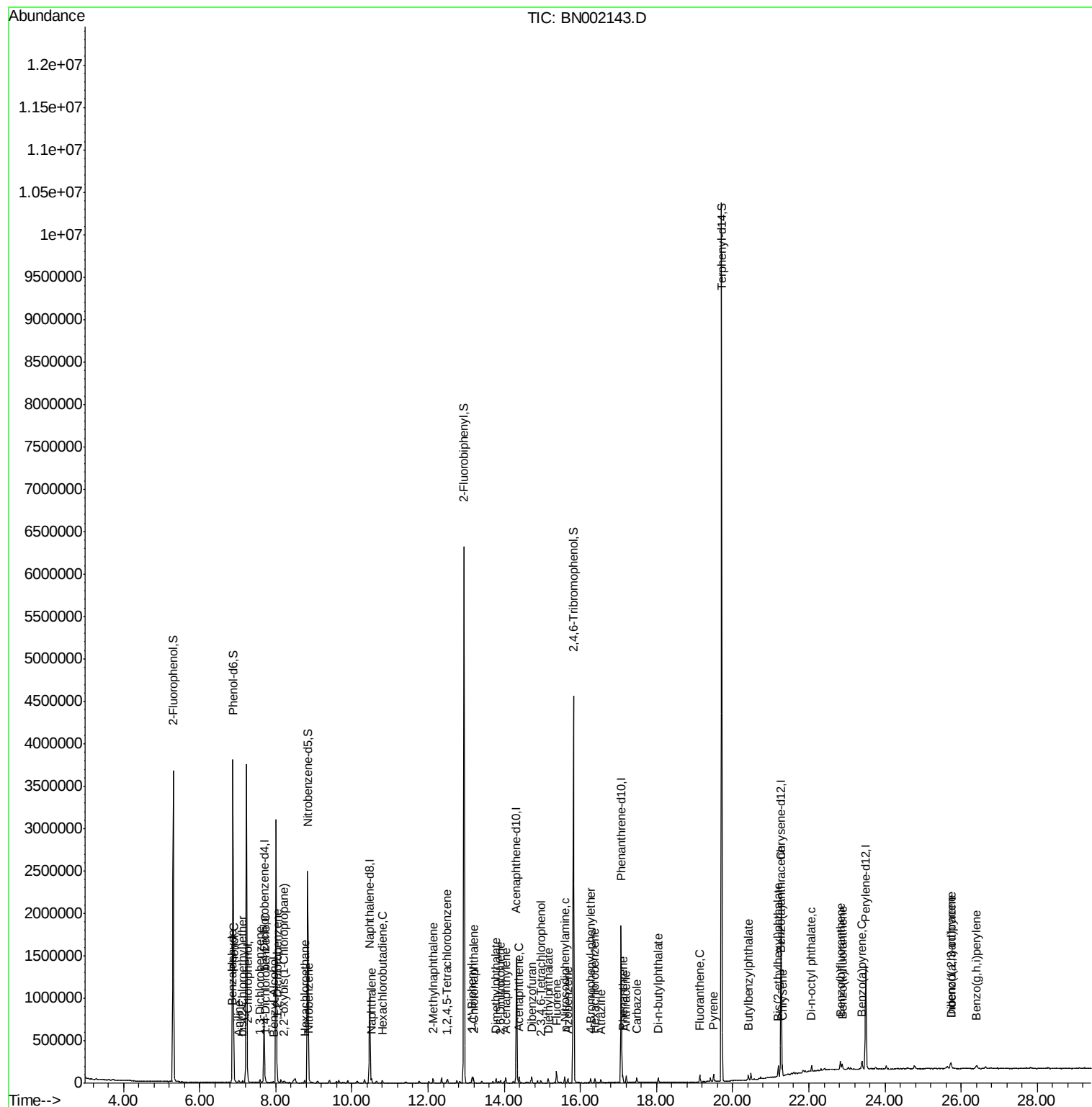
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Di-n-butylphthalate	18.05	149	42813	0.653	nq	99
74) Fluoranthene	19.13	202	52542	0.856	nq	100
77) Pyrene	19.50	202	53595	0.860	nq	99
79) Butylbenzylphthalate	20.41	149	17511	0.646	nq	90
80) Benzo(a)anthracene	21.25	228	53277	0.968	nq	95
82) Chrysene	21.30	228	50432	0.962	nq	95
83) Bis(2-ethylhexyl)phthalate	21.19	149	27307	0.722	nq	96
84) Di-n-octyl phthalate	22.07	149	41803	0.697	nq	# 97
85) Indeno(1,2,3-cd)pyrene	25.73	276	48583	0.951	nq	# 95
87) Benzo(b)fluoranthene	22.83	252	47049	0.942	nq	# 94
88) Benzo(k)fluoranthene	22.87	252	44807	0.911	nq	# 97
89) Benzo(a)pyrene	23.40	252	43333	0.929	nq	# 93
90) Dibenzo(a,h)anthracene	25.73	278	40428	0.923	nq	# 91
91) Benzo(q,h,i)perylene	26.40	276	41286	0.976	nq	# 94

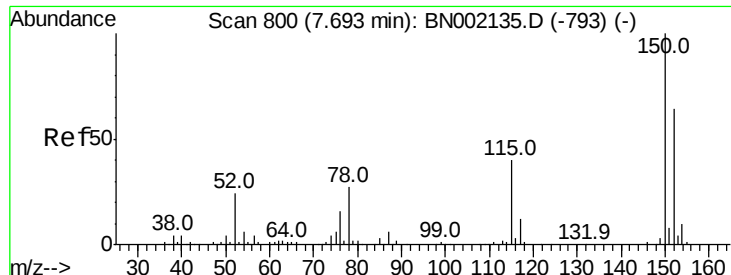
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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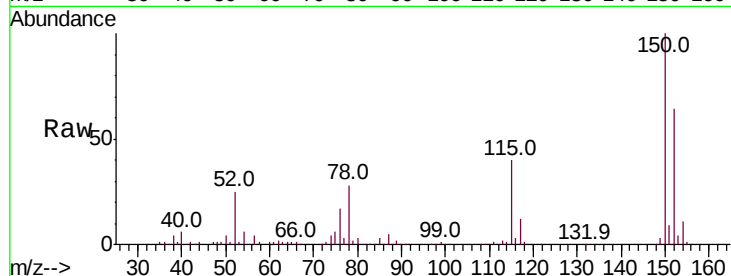


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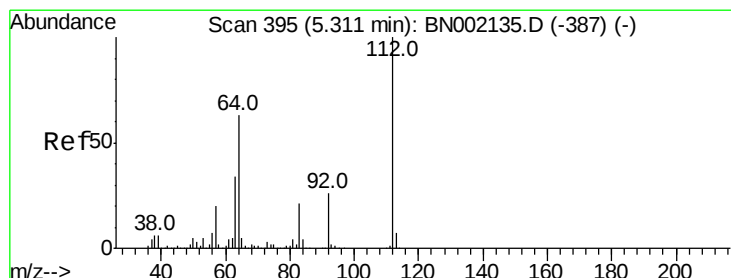
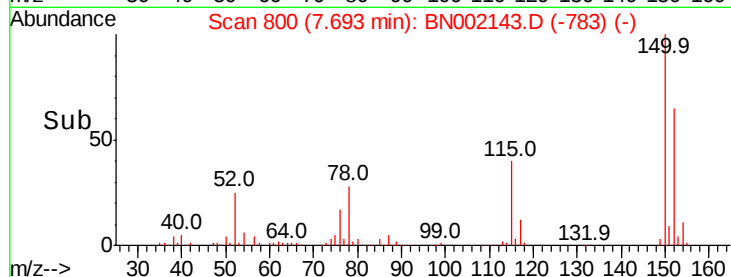
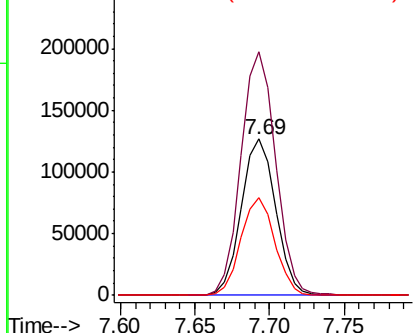
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:152 Resp: 202958
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 62.2 53.0 79.4



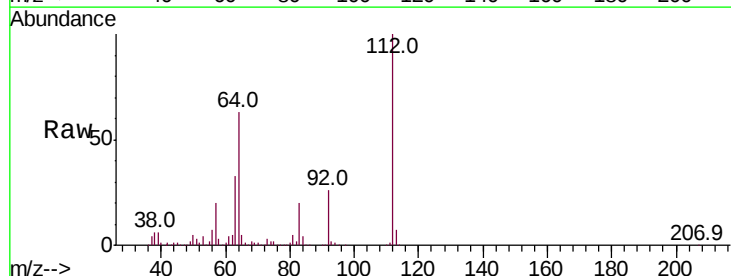
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



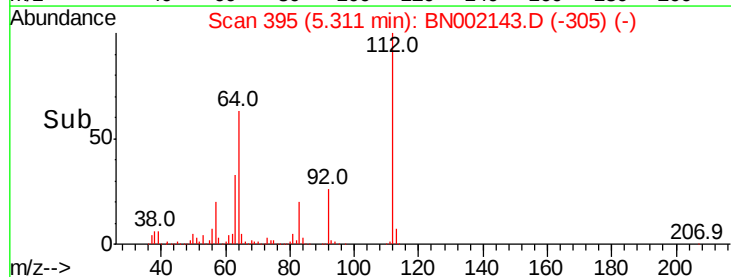
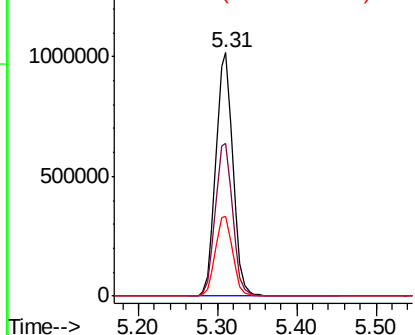
#5

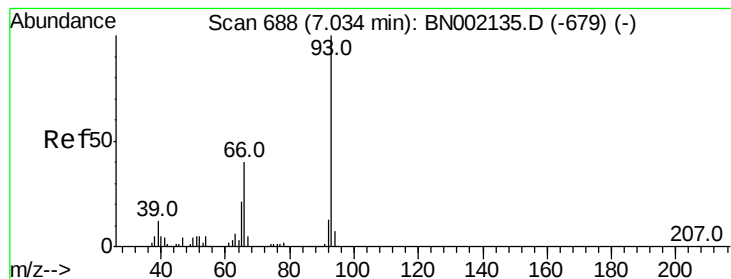
2-Fluorophenol
Concen: 120.405 ng
RT: 5.31 min Scan# 395
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:112 Resp: 1517902
Ion Ratio Lower Upper
112 100
64 62.6 56.3 84.5
63 32.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#6

Aniline

Concen: 0.552 ng

RT: 7.03 min Scan# 688

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

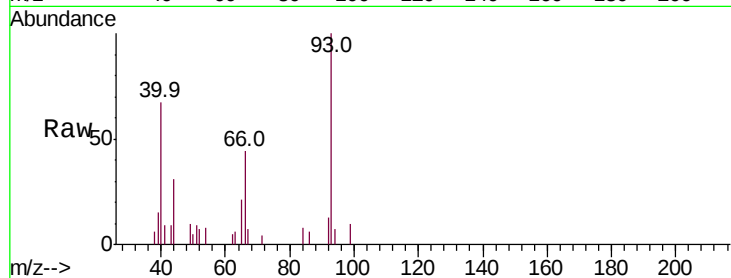
Tot Ion: 93 Resp: 11919

Ion Ratio Lower Upper

93 100

66 43.5 33.7 50.5

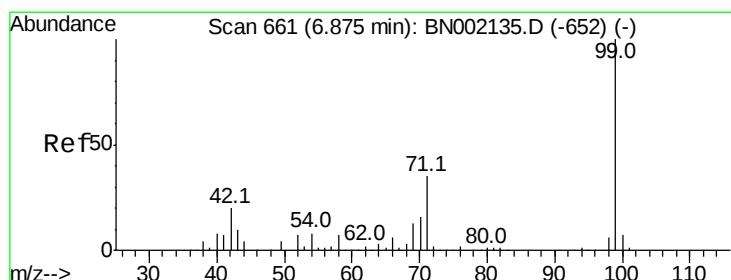
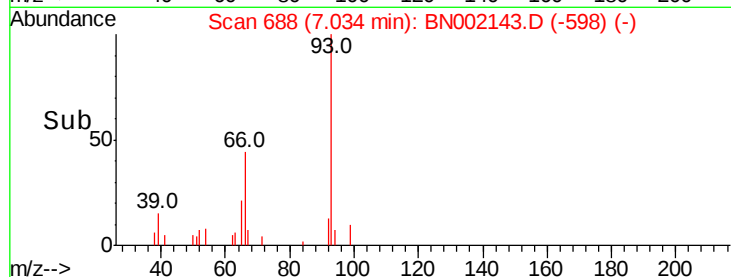
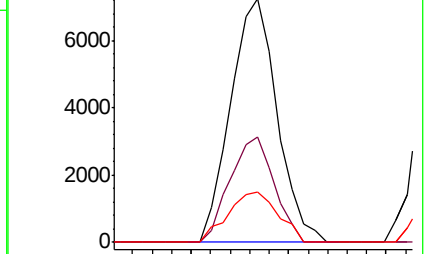
65 20.8 16.1 24.1



Abundance Ion 93.00 (92.70 to 93.70): BN002143.D (-598) (-)

Ion 66.00 (65.70 to 66.70): BN002143.D (-598) (-)

Ion 65.00 (64.70 to 65.70): BN002143.D (-598) (-)



#7

Phenol-d6

Concen: 115.245 ng

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

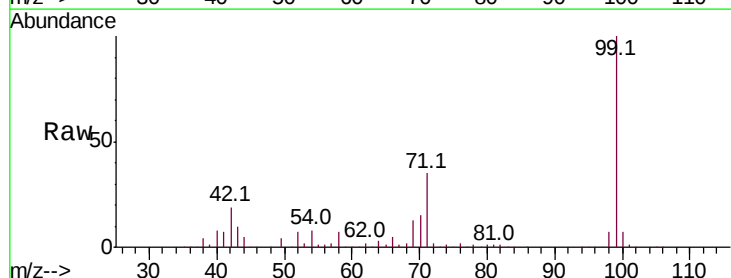
Tgt Ion: 99 Resp: 2038825

Ion Ratio Lower Upper

99 100

42 19.2 14.1 21.1

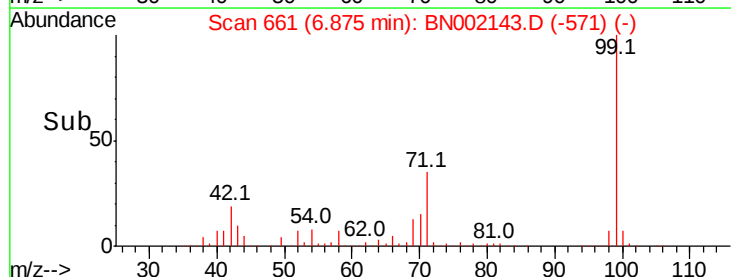
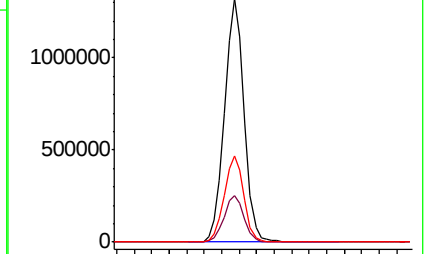
71 35.2 26.1 39.1

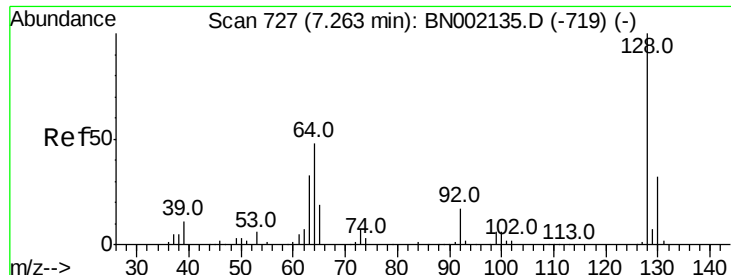


Abundance Ion 99.00 (98.70 to 99.70): BN002143.D (-571) (-)

Ion 42.00 (41.70 to 42.70): BN002143.D (-571) (-)

Ion 71.00 (70.70 to 71.70): BN002143.D (-571) (-)





#8

2-Chlorophenol

Concen: 0.899 ng

RT: 7.26 min Scan# 727

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

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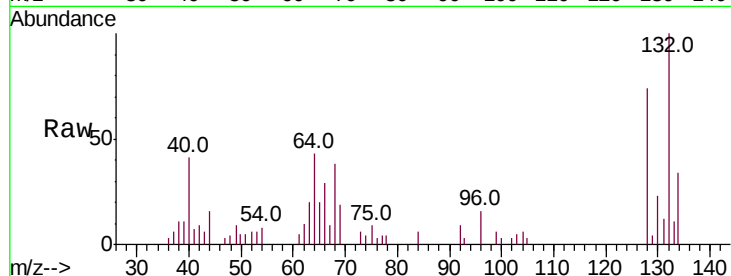
Tot Ion:128 Resp: 13142

Ion Ratio Lower Upper

128 100

130 31.2 14.0 54.0

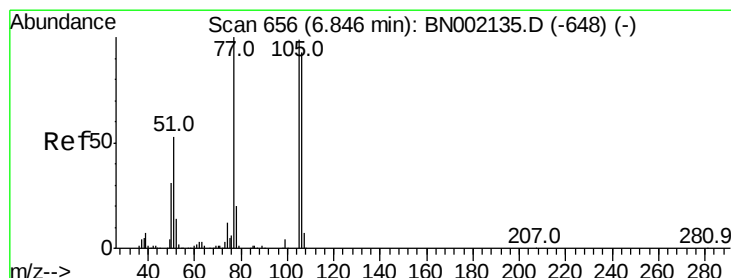
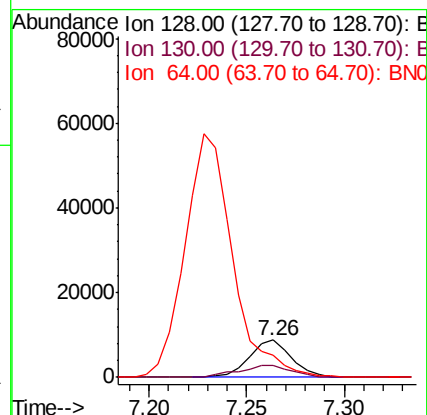
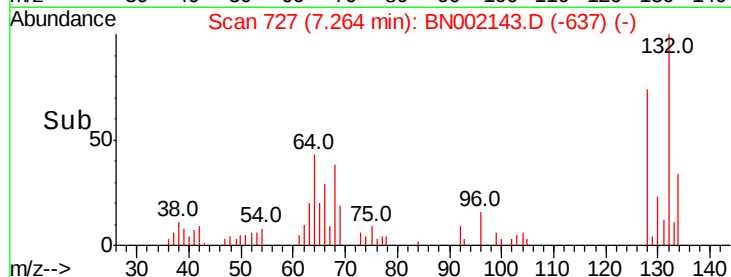
64 58.4 37.7 77.7



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): BNC



#9

Benzaldehyde

Concen: 1.330 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

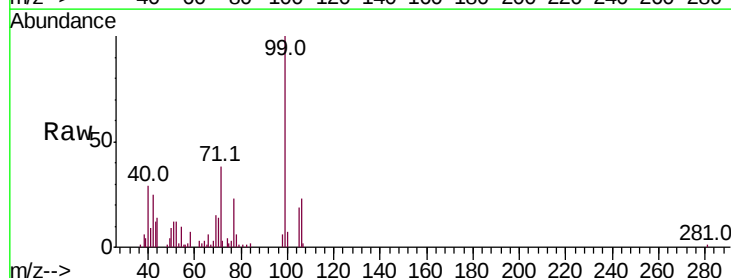
Tgt Ion: 77 Resp: 14489

Ion Ratio Lower Upper

77 100

105 86.0 71.3 111.3

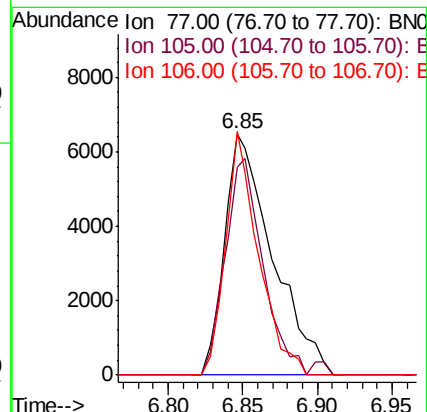
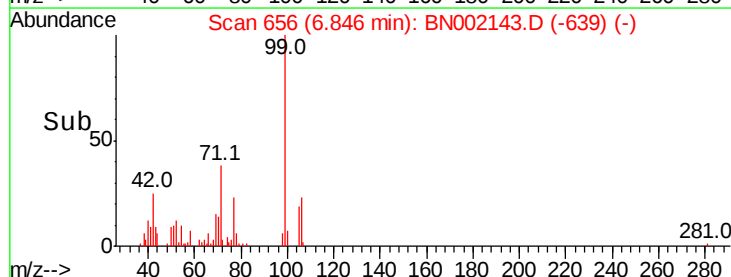
106 101.0 64.2 104.2

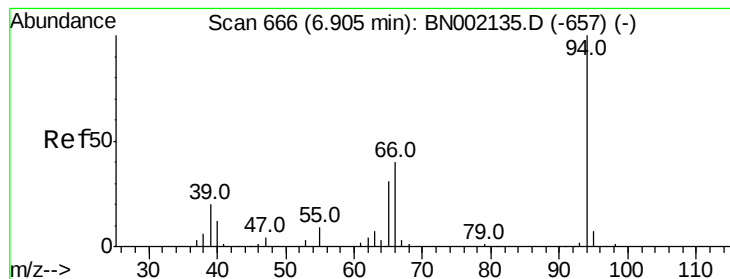


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.888 ng

RT: 6.90 min Scan# 665

Delta R.T. -0.01 min

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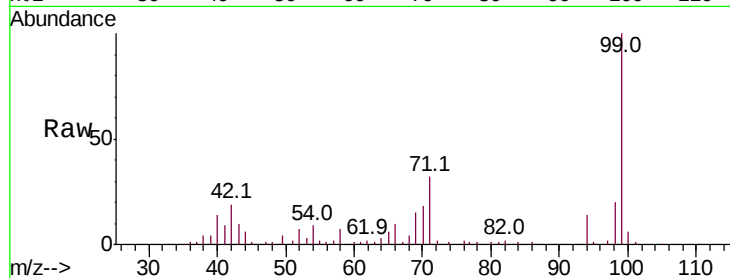
Tot Ion: 94 Resp: 16100

Ion Ratio Lower Upper

94 100

65 44.3 11.9 51.9

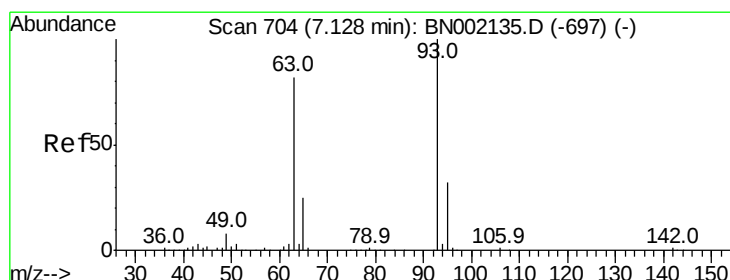
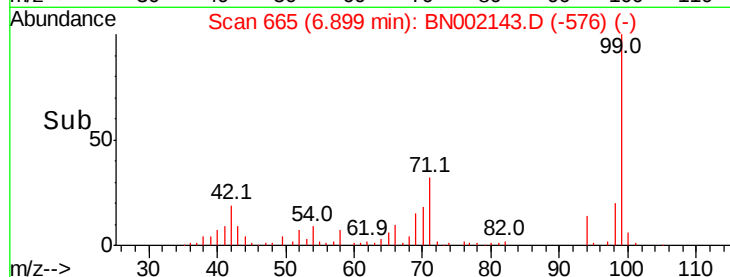
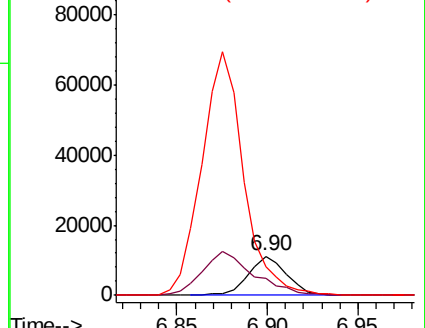
66 73.7 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC



#11

bis(2-Chloroethyl)ether

Concen: 0.790 ng

RT: 7.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

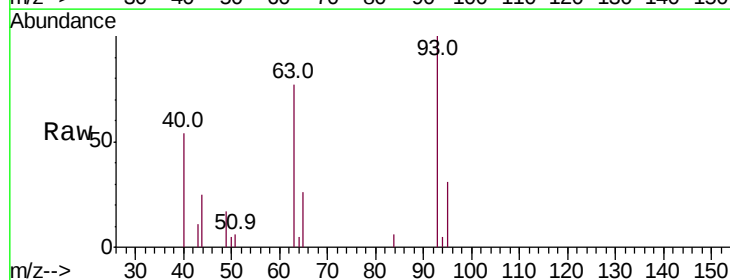
Tgt Ion: 93 Resp: 11655

Ion Ratio Lower Upper

93 100

63 76.8 67.1 107.1

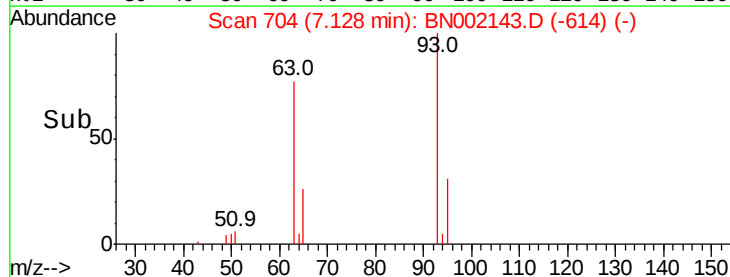
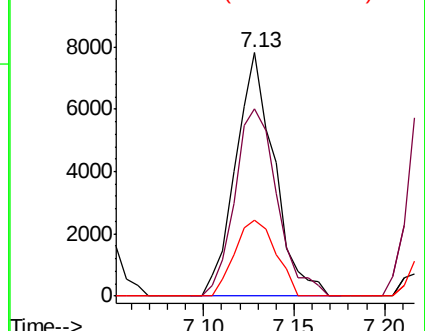
95 31.0 11.5 51.5

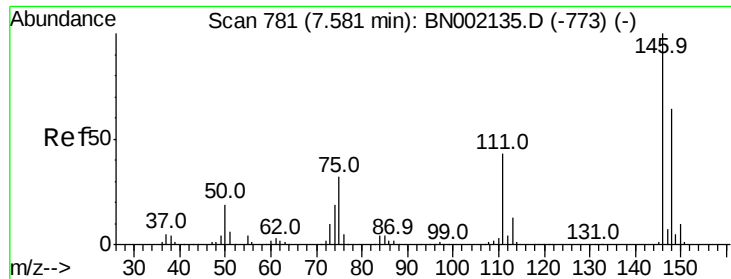


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#12

1,3-Dichlorobenzene

Concen: 0.869 ng

RT: 7.58 min Scan# 781

Delta R.T. 0.00 min

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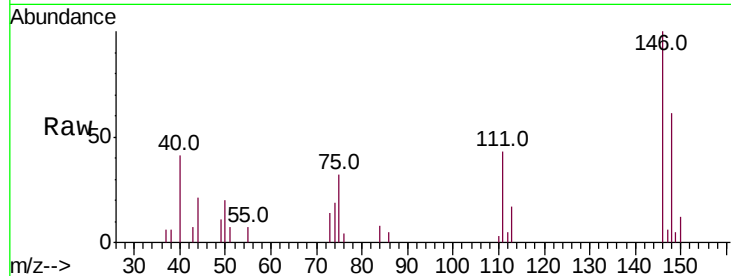
Tot Ion:146 Resp: 14471

Ion Ratio Lower Upper

146 100

148 61.2 51.4 77.2

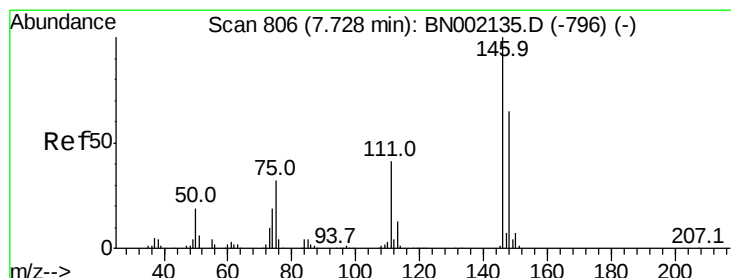
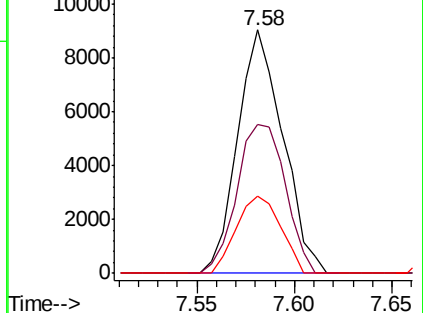
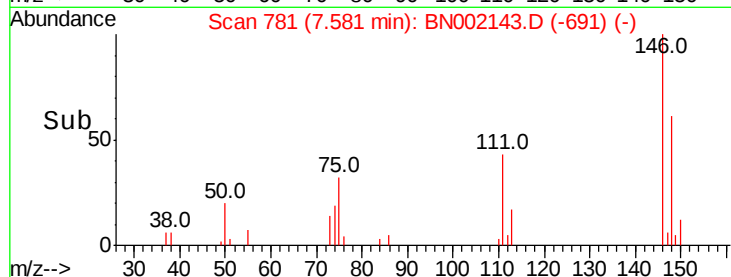
75 31.9 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BNC



#13

1,4-Dichlorobenzene

Concen: 0.867 ng

RT: 7.73 min Scan# 806

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

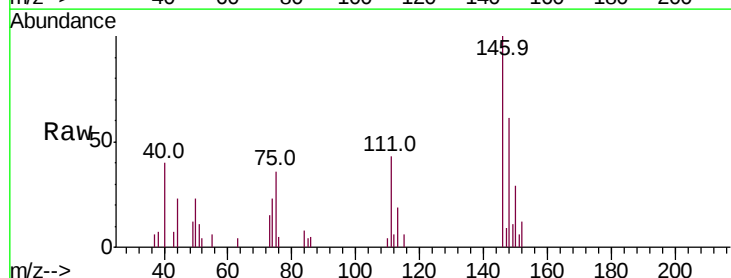
Tgt Ion:146 Resp: 14781

Ion Ratio Lower Upper

146 100

148 60.9 53.7 80.5

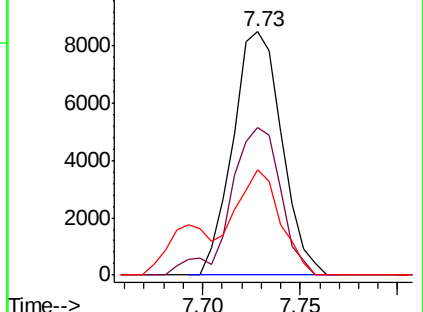
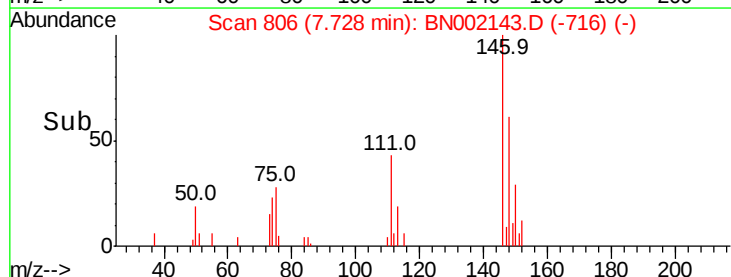
111 43.1 35.2 52.8

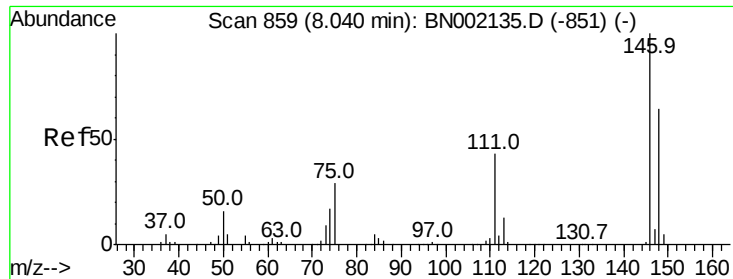


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.856 ng

RT: 8.04 min Scan# 859

Delta R.T. 0.00 min

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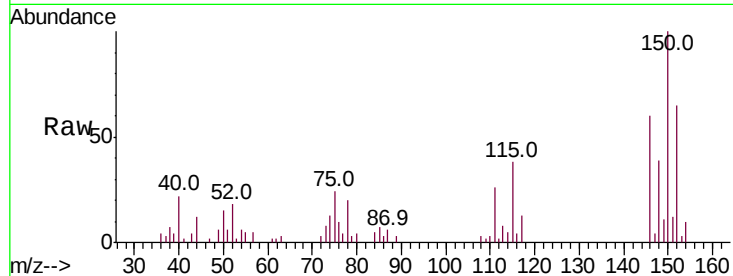
Tot Ion:146 Resp: 14075

Ion Ratio Lower Upper

146 100

148 64.3 49.3 73.9

111 42.9 34.3 51.5

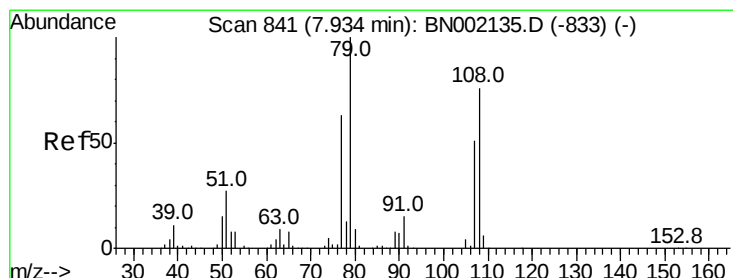
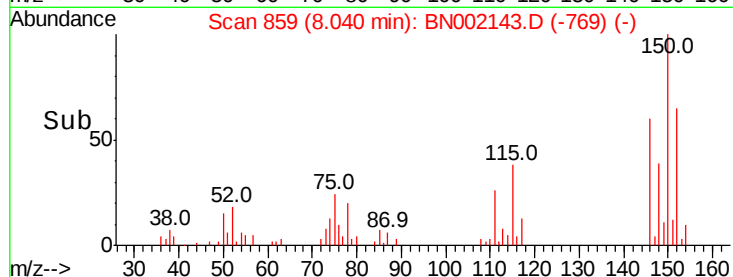
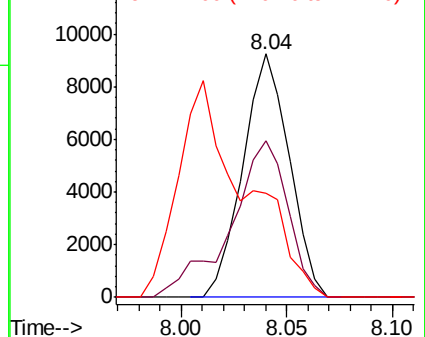


Abundance

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



#15

Benzyl Alcohol

Concen: 0.504 ng

RT: 7.93 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

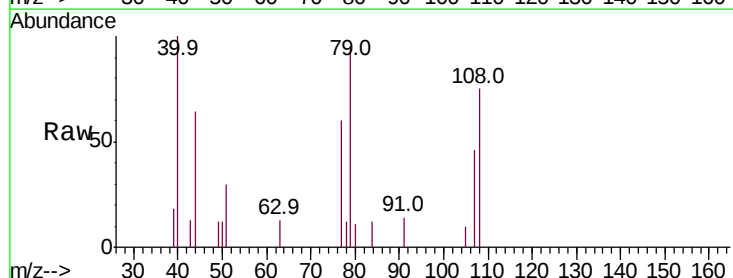
Tgt Ion: 79 Resp: 6730

Ion Ratio Lower Upper

79 100

108 78.7 57.2 85.8

77 63.3 46.1 69.1

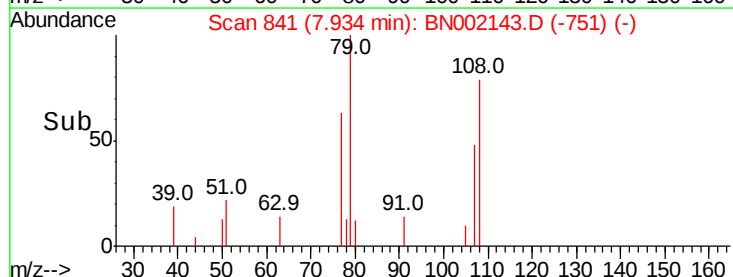
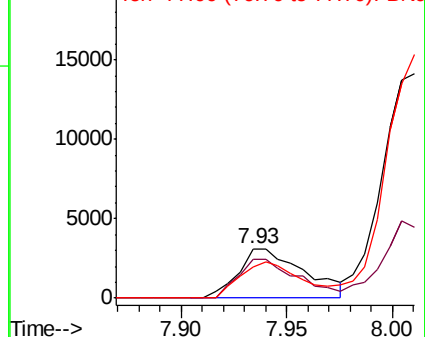


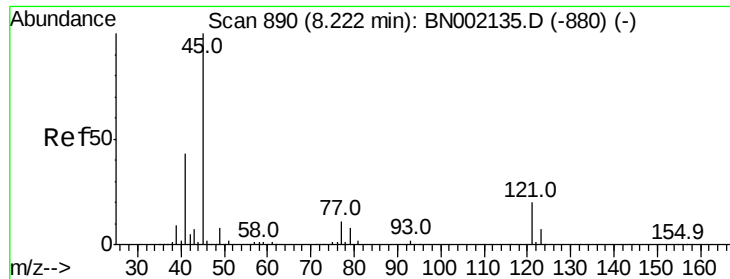
Abundance

Ion 79.00 (78.70 to 79.70): BNC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

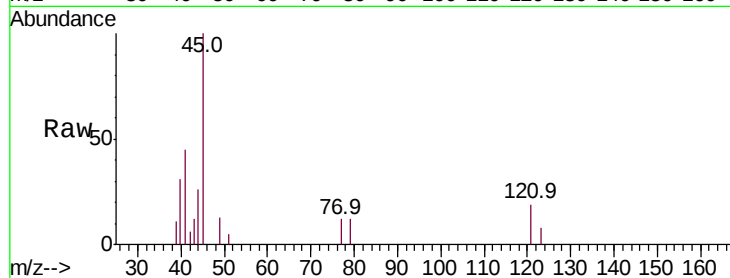




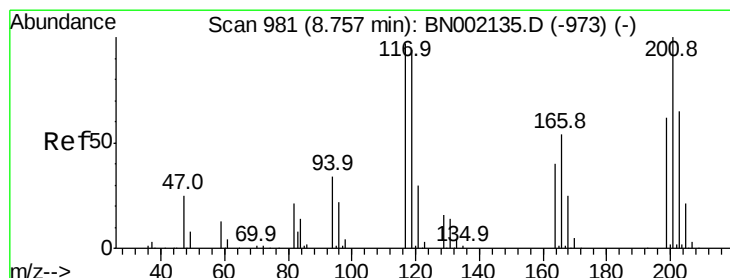
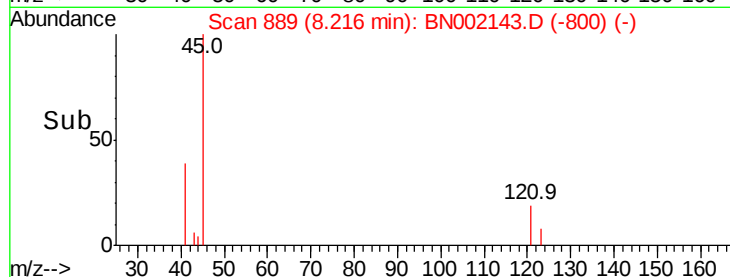
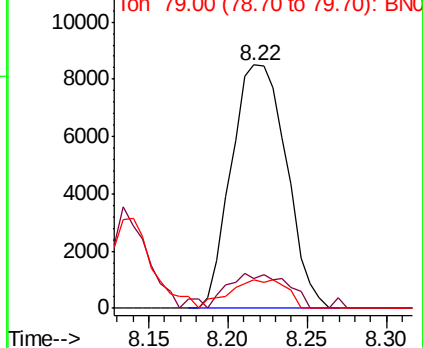
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.858 ng
RT: 8.22 min Scan# 889
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 45 Resp: 20451
Ion Ratio Lower Upper
45 100
77 12.2 0.0 30.2
79 11.9 0.0 27.9

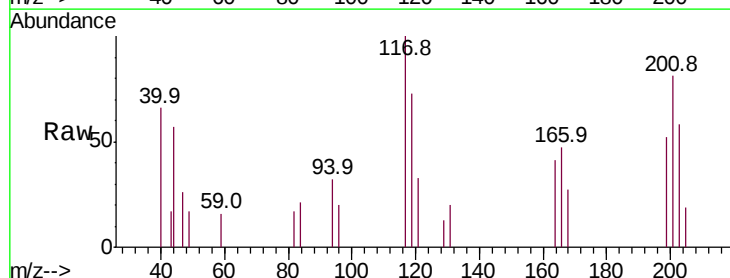


Abundance Ion 45.00 (44.70 to 45.70): BNC
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

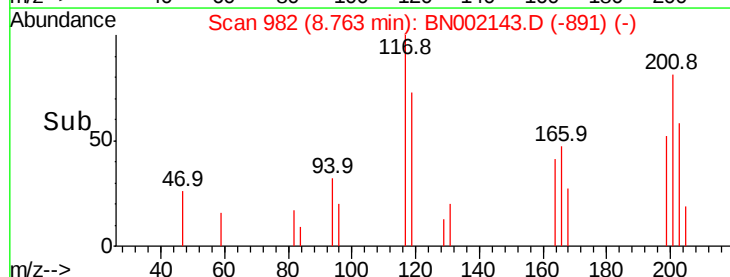
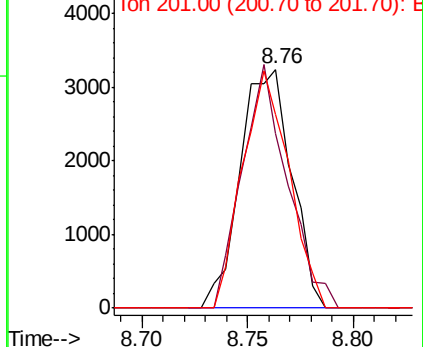


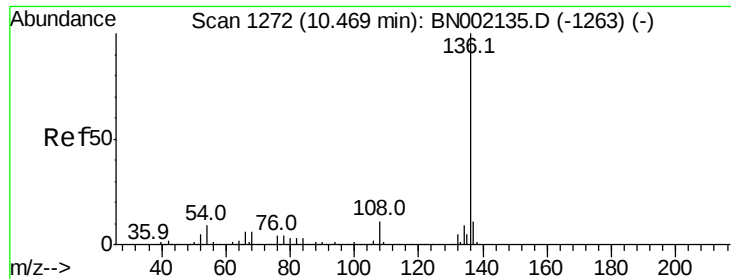
#18
Hexachloroethane
Concen: 0.878 ng
RT: 8.76 min Scan# 982
Delta R.T. 0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion: 117 Resp: 5477
Ion Ratio Lower Upper
117 100
119 73.2 76.7 115.1#
201 81.4 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:136 Resp: 837647

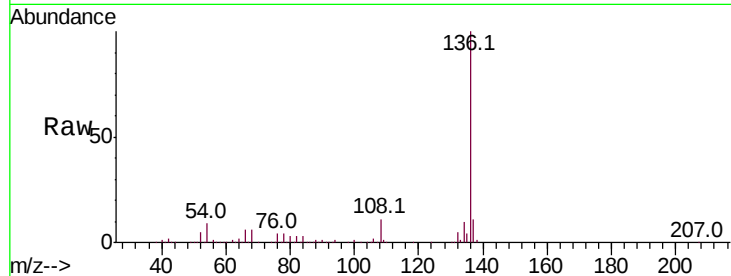
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 9.4 10.3 15.5#

68 6.3 4.5 6.7

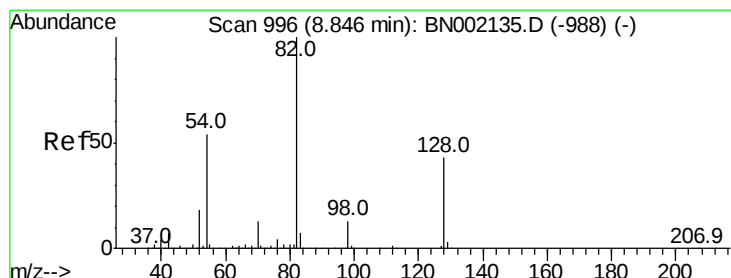
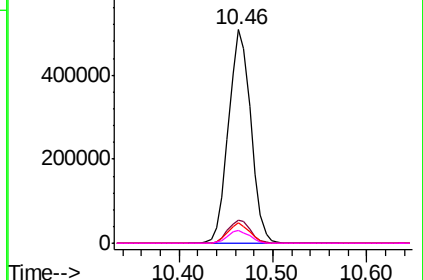
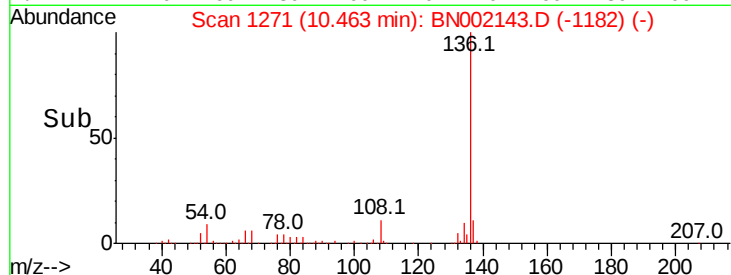


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#23

Nitrobenzene-d5

Concen: 86.526 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

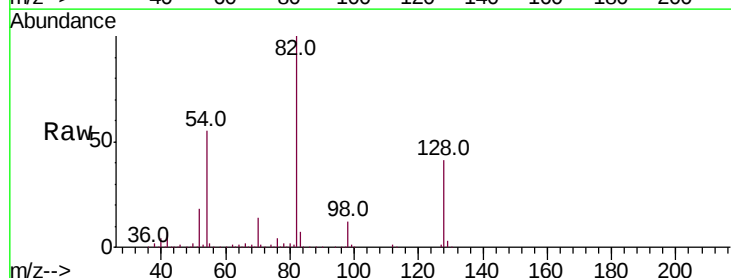
Tgt Ion: 82 Resp: 1413289

Ion Ratio Lower Upper

82 100

128 41.0 29.7 44.5

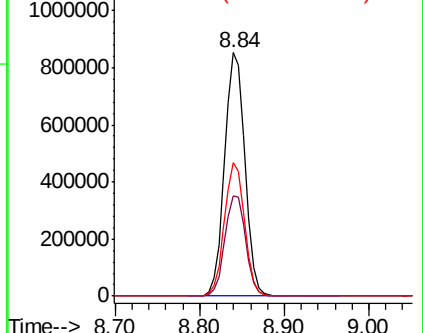
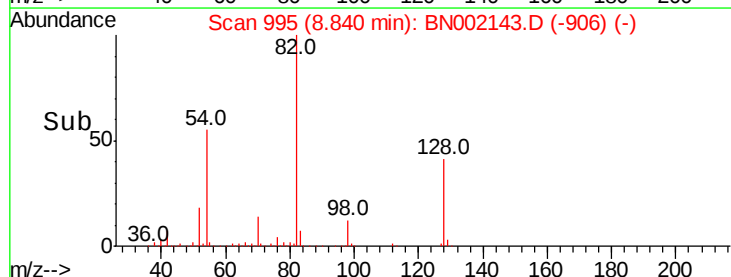
54 54.6 43.1 64.7

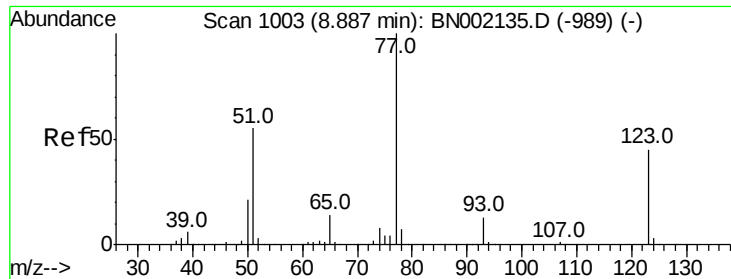


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

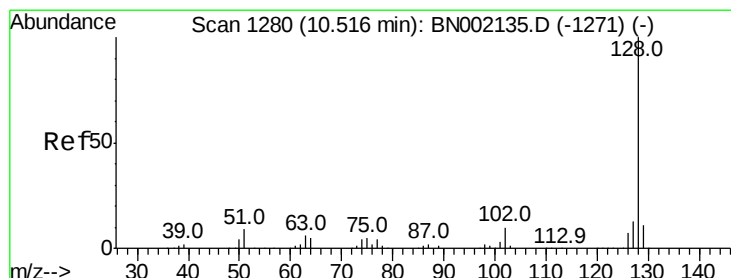
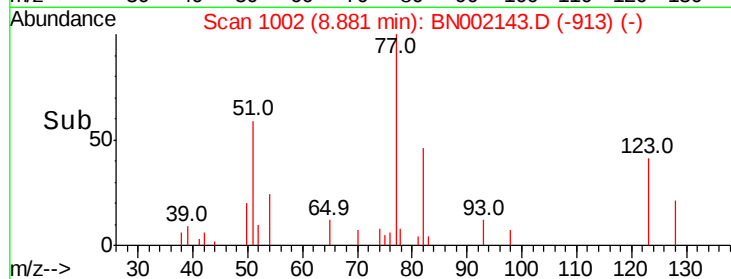
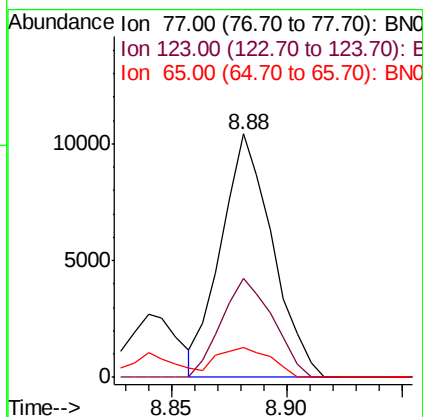
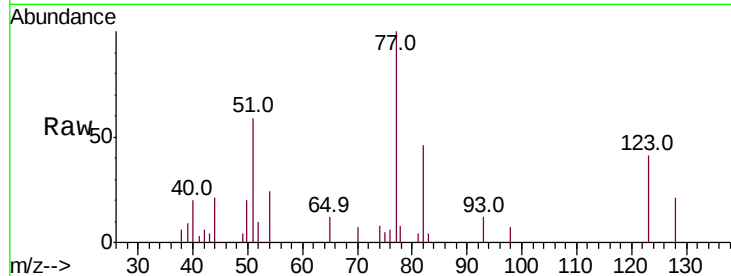




#24
Nitrobenzene
Concen: 0.952 ng
RT: 8.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

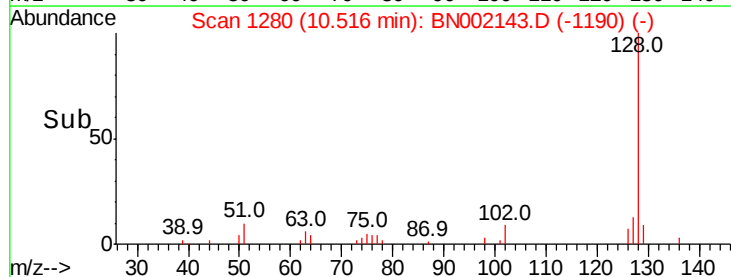
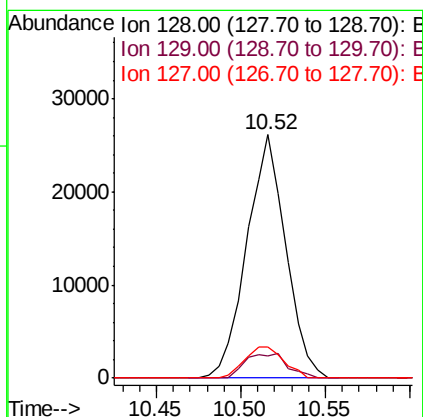
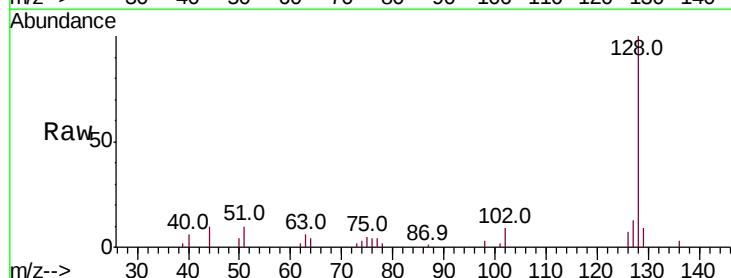
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

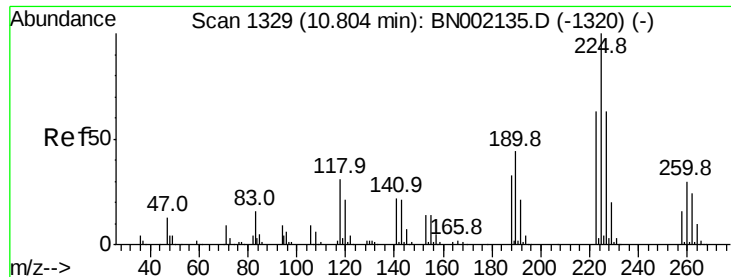
Tot Ion: 77 Resp: 16110
Ion Ratio Lower Upper
77 100
123 40.7 33.0 49.6
65 12.1 13.0 19.6#



#31
Naphthalene
Concen: 0.992 ng
RT: 10.52 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:128 Resp: 41938
Ion Ratio Lower Upper
128 100
129 9.3 8.6 12.8
127 12.9 11.6 17.4

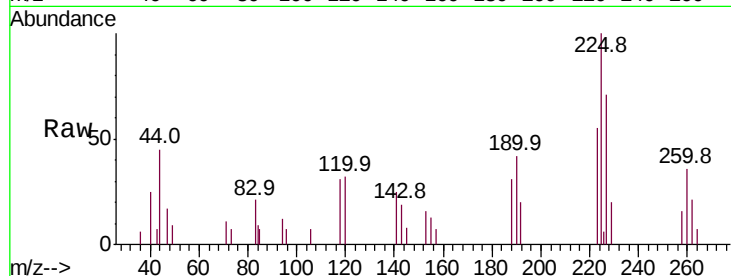




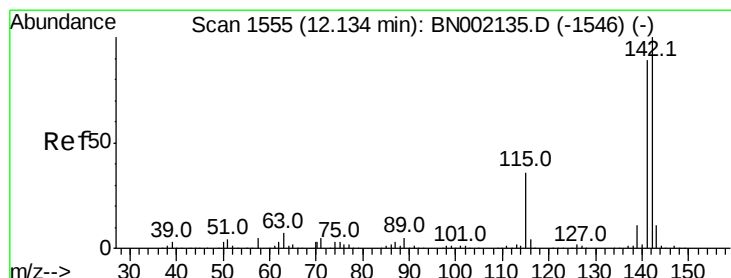
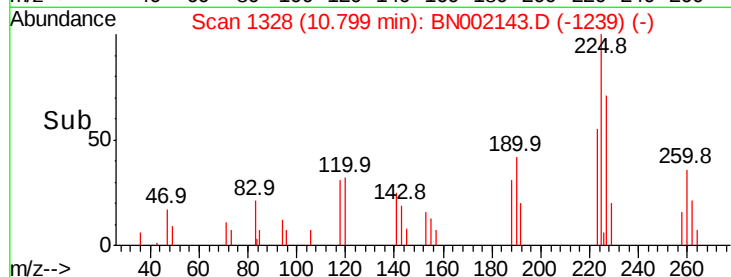
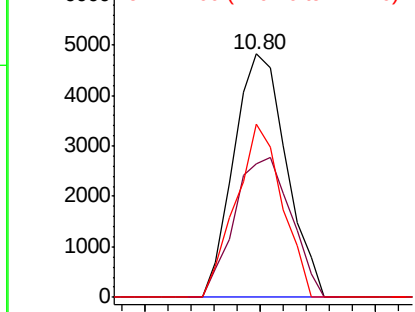
#34
Hexachlorobutadiene
Concen: 0.832 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:225 Resp: 7653
Ion Ratio Lower Upper
225 100
223 54.9 49.7 74.5
227 71.2 48.1 72.1

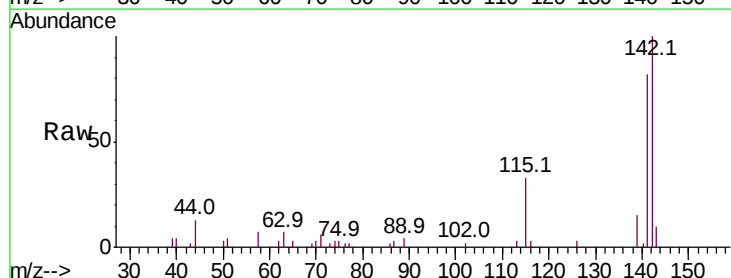


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

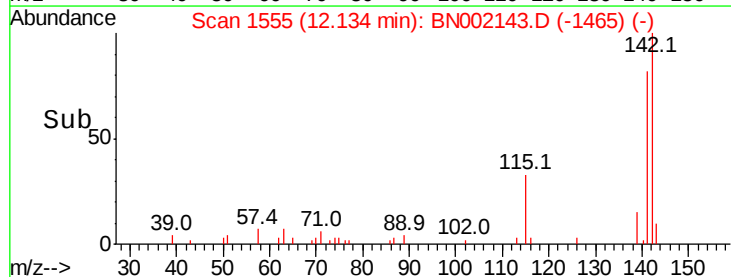
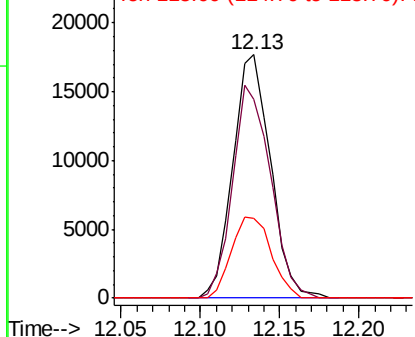


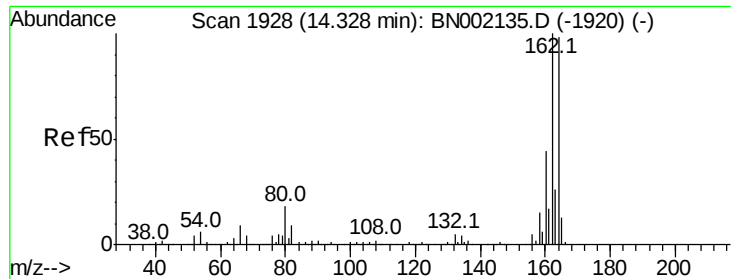
#37
2-Methylnaphthalene
Concen: 0.977 ng
RT: 12.13 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:142 Resp: 29139
Ion Ratio Lower Upper
142 100
141 81.7 67.1 100.7
115 32.6 30.7 46.1



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

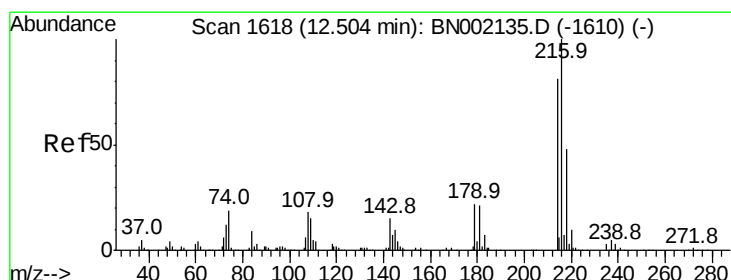
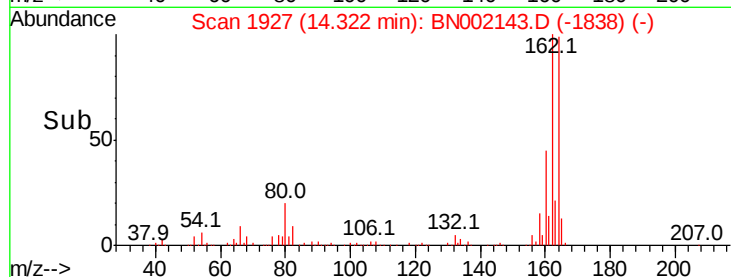
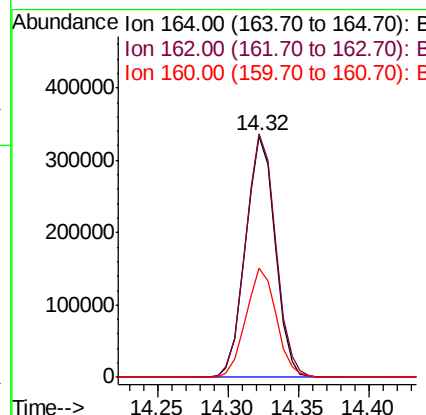
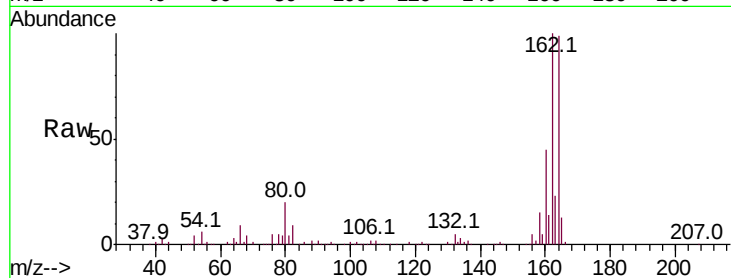




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

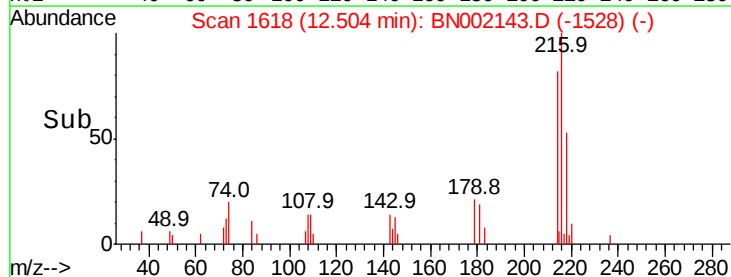
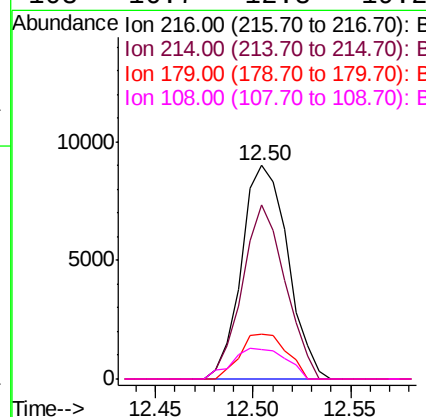
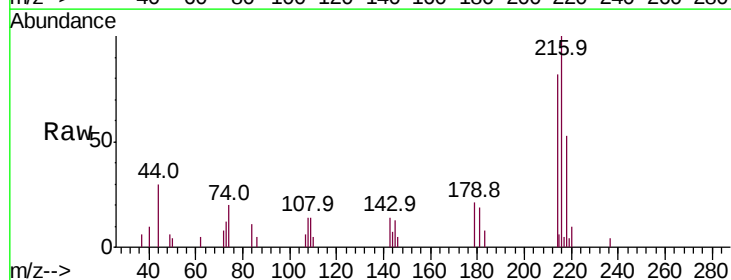
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

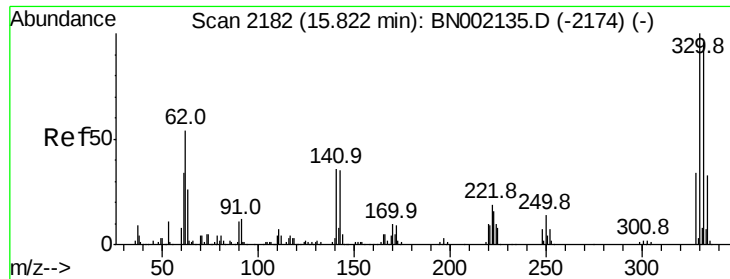
Tot Ion:164 Resp: 489835
Ion Ratio Lower Upper
164 100
162 100.8 78.8 118.2
160 45.1 35.4 53.0



#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.896 ng
RT: 12.50 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:216 Resp: 14750
Ion Ratio Lower Upper
216 100
214 76.0 63.0 94.4
179 21.0 17.0 25.6
108 16.7 12.8 19.2

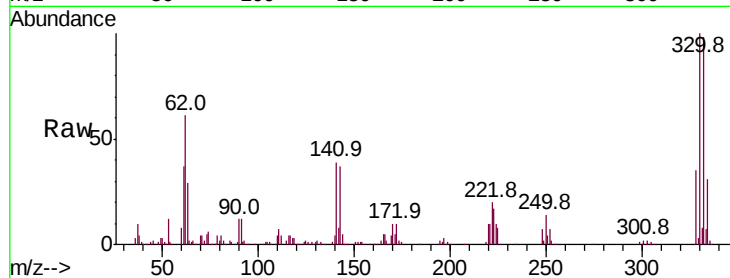




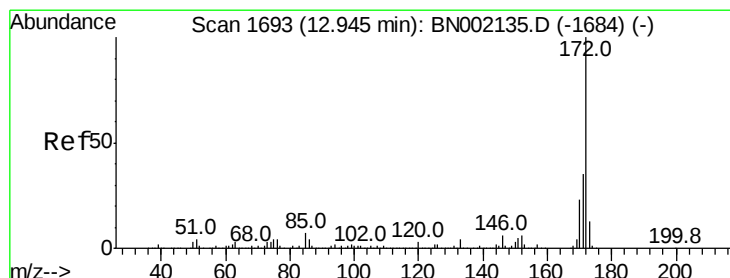
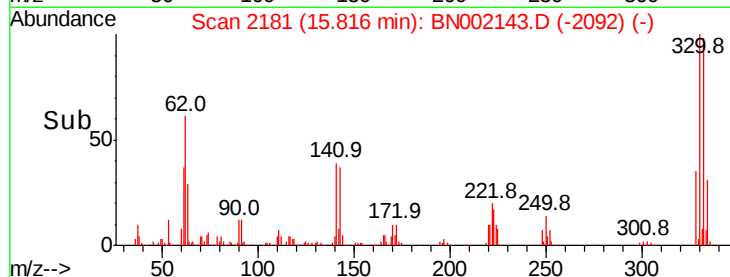
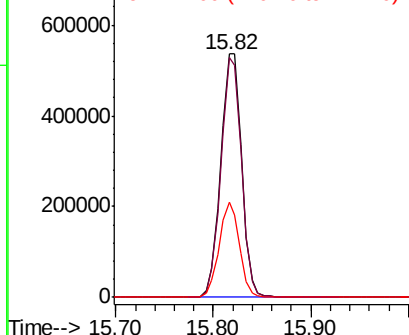
#41
 2,4,6-Tribromophenol
 Concen: 125.448 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN002143.D
 Acq: 25 Jul 2018 19:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	37.6	25.2	37.8

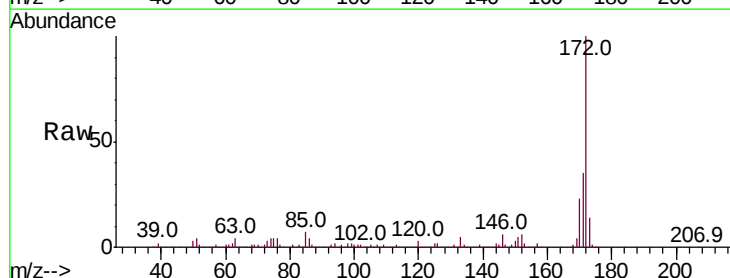


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

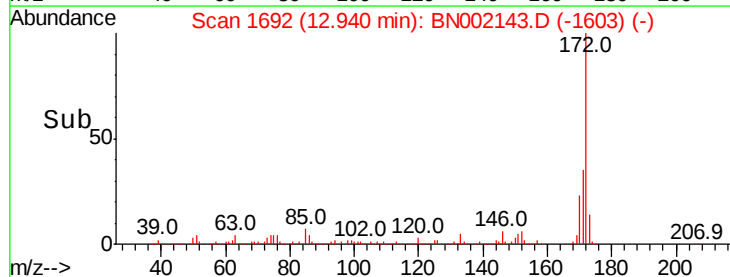
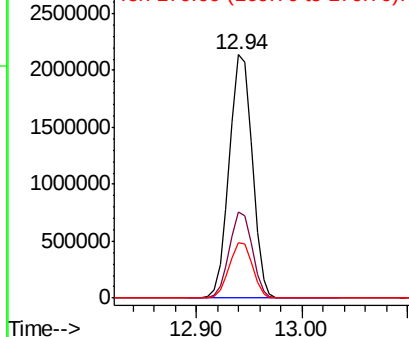


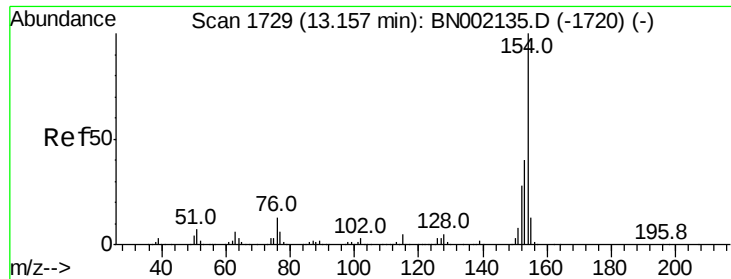
#44
 2-Fluorobiphenyl
 Concen: 85.394 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002143.D
 Acq: 25 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	22.9	19.5	29.3



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: 0.964 ng

RT: 13.15 min Scan# 1728

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

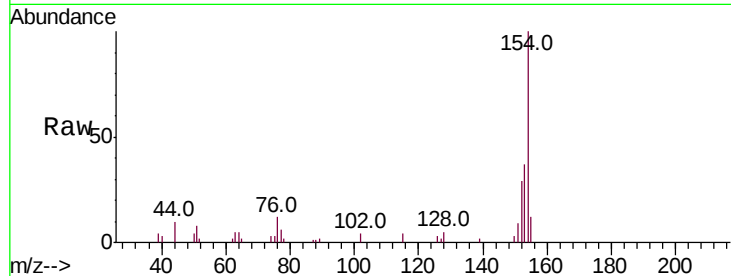
Tot Ion:154 Resp: 41552

Ion Ratio Lower Upper

154 100

153 36.9 19.8 59.8

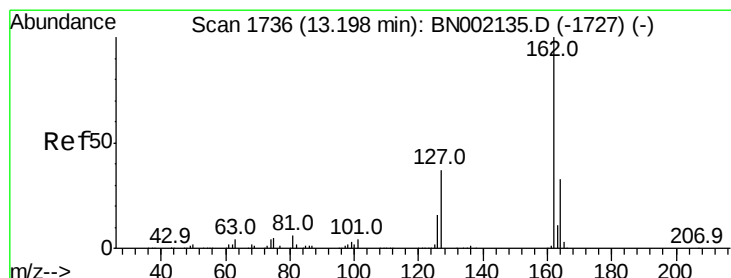
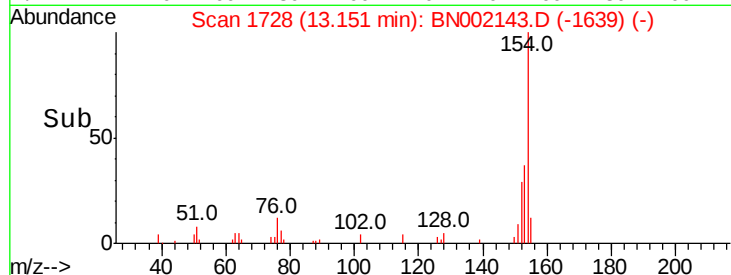
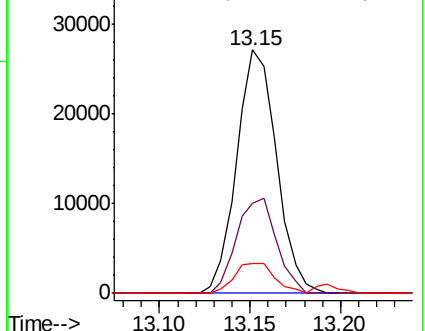
76 12.3 0.0 31.9



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): BNC



#46

2-Chloronaphthalene

Concen: 0.897 ng

RT: 13.19 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

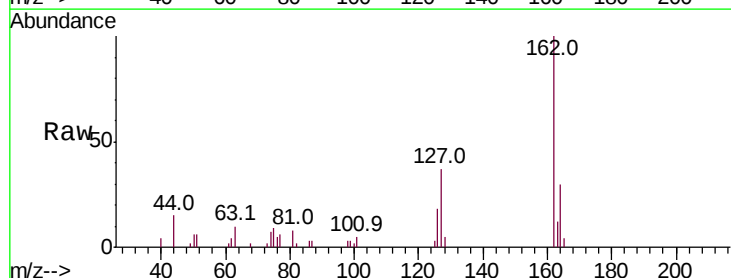
Tgt Ion:162 Resp: 29859

Ion Ratio Lower Upper

162 100

127 36.7 30.7 46.1

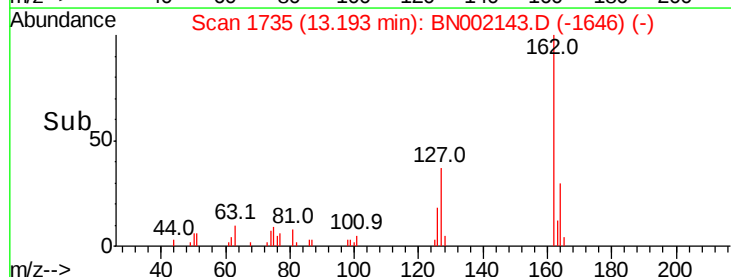
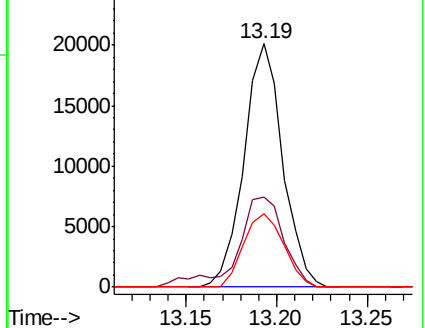
164 30.1 26.0 39.0

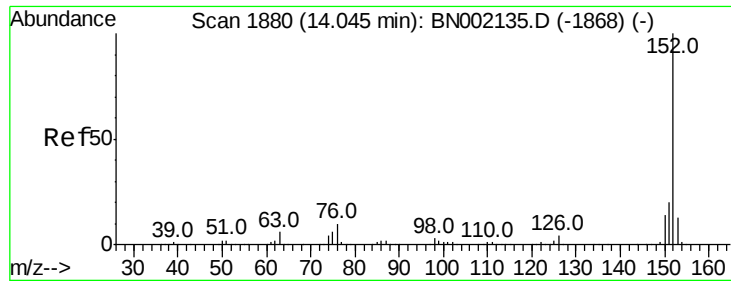


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 0.878 ng

RT: 14.05 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

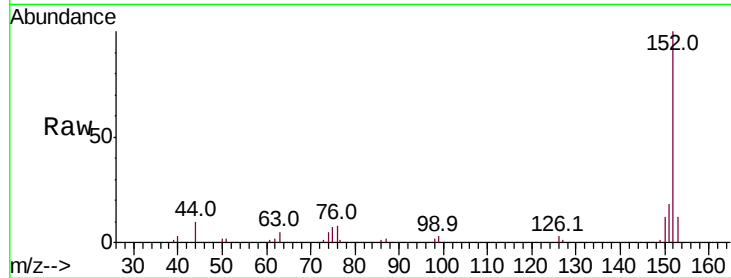
BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:152 Resp: 44320

Ion	Ratio	Lower	Upper
152	100		
151	18.1	17.2	25.8
153	12.2	10.2	15.4

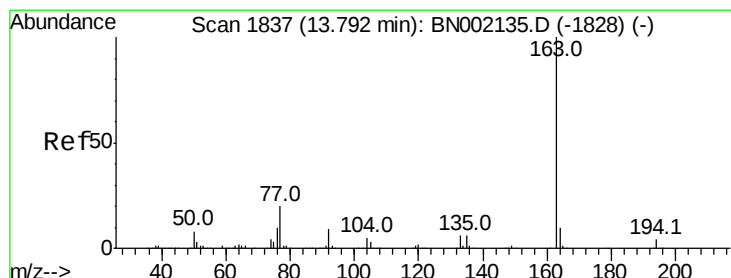
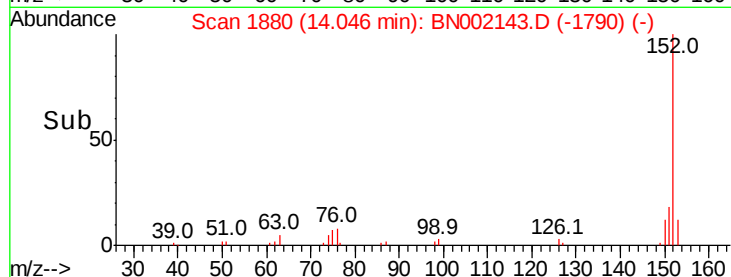
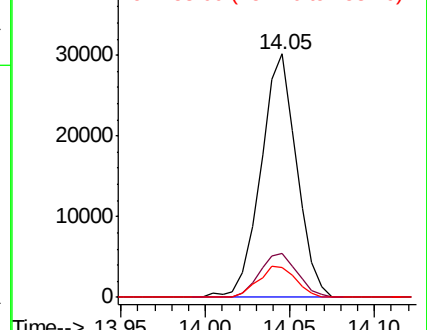


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.847 ng

RT: 13.78 min Scan# 1835

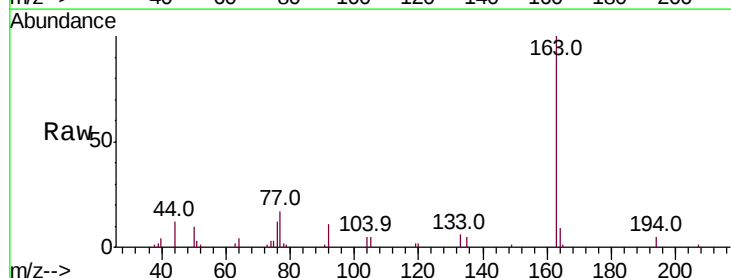
Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Tgt Ion:163 Resp: 34479

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	8.9	8.2	12.4

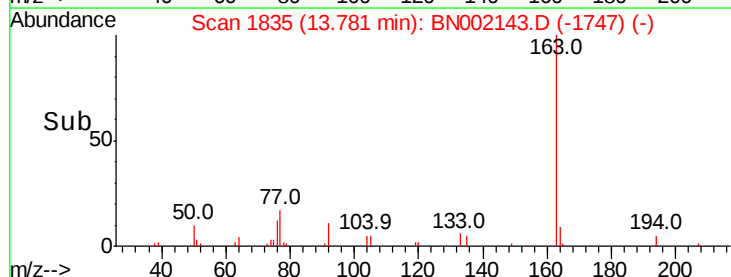
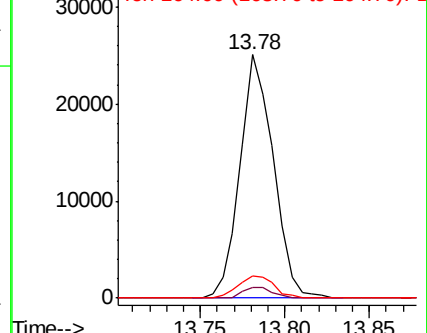


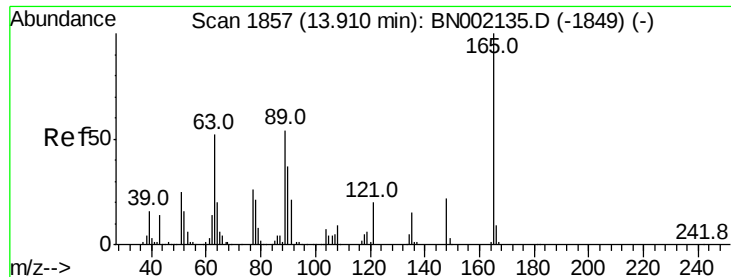
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

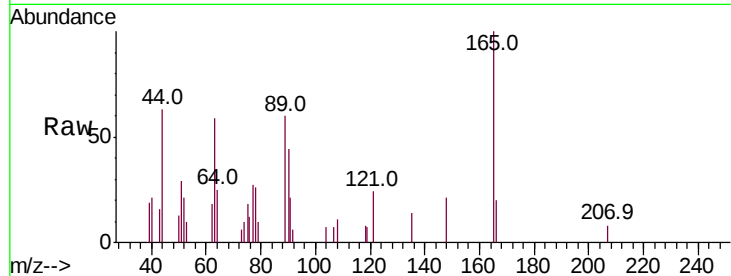




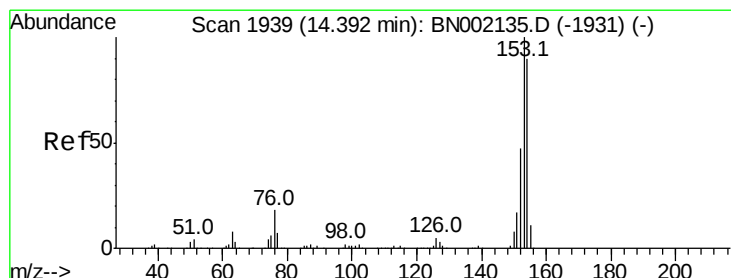
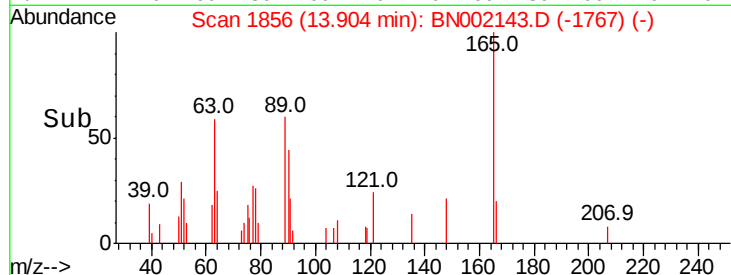
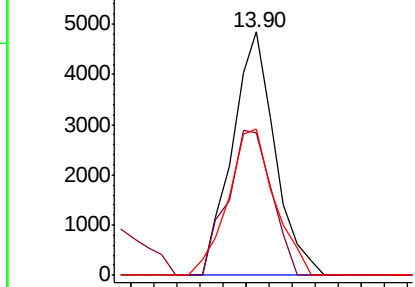
#50
2,6-Dinitrotoluene
Concen: 0.690 ng
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:165 Resp: 6241
Ion Ratio Lower Upper
165 100
63 58.7 52.7 79.1
89 59.9 49.2 73.8

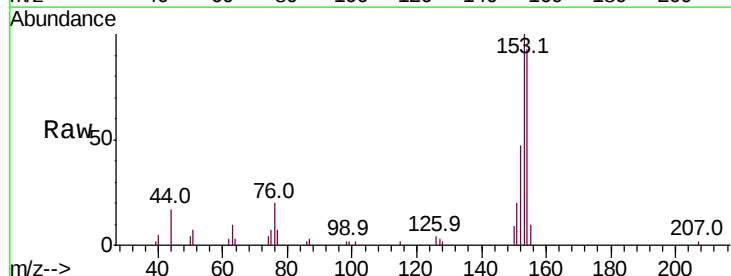


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 89.00 (88.70 to 89.70): BNO

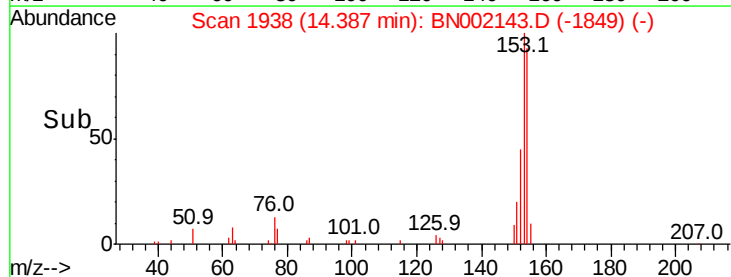
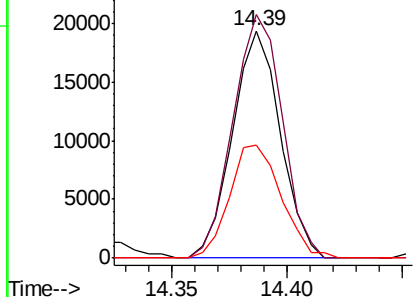


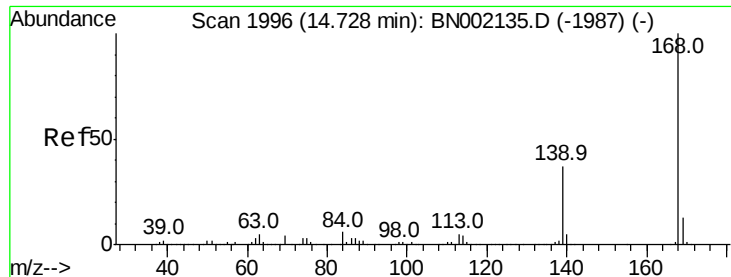
#51
Acenaphthene
Concen: 0.920 ng
RT: 14.39 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:154 Resp: 27975
Ion Ratio Lower Upper
154 100
153 107.0 90.4 135.6
152 50.0 41.6 62.4



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





#54

Dibenzenofuran

Concen: 0.902 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

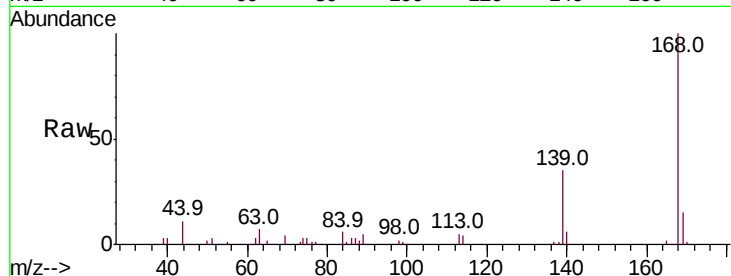
BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:168 Resp: 44457

Ion	Ratio	Lower	Upper
168	100		
139	35.4	28.6	43.0
169	15.1	11.2	16.8



Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

40000

30000

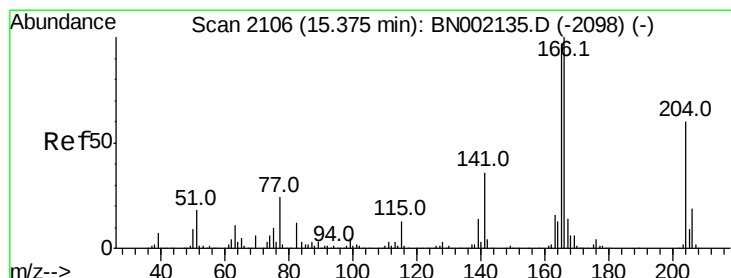
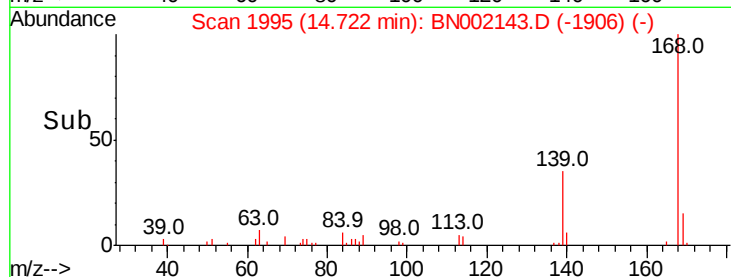
20000

10000

0

14.65 14.70 14.75

Time-->



#57

Fluorene

Concen: 0.896 ng

RT: 15.37 min Scan# 2106

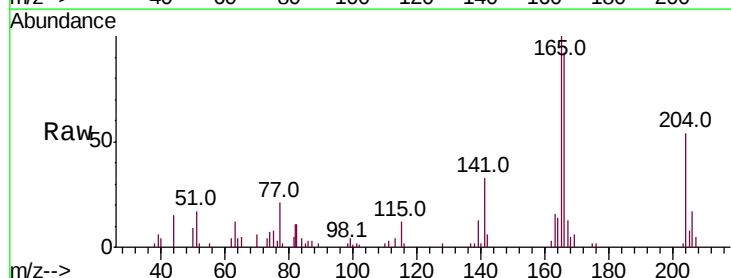
Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Tgt Ion:166 Resp: 33292

Ion	Ratio	Lower	Upper
166	100		
165	108.4	80.6	121.0
167	14.3	10.4	15.6



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

30000

25000

20000

15000

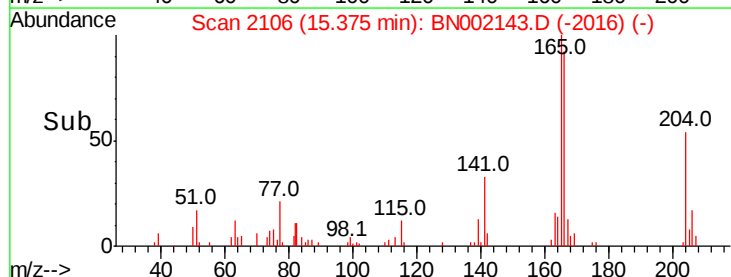
10000

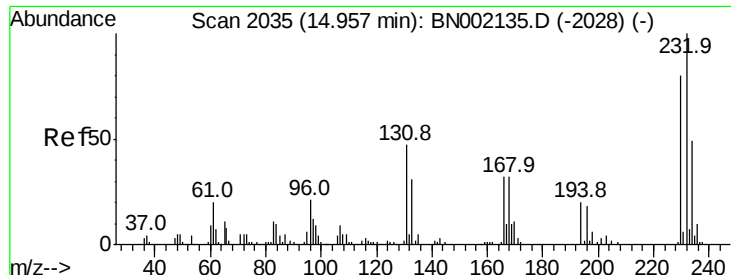
5000

0

15.35 15.40

Time-->

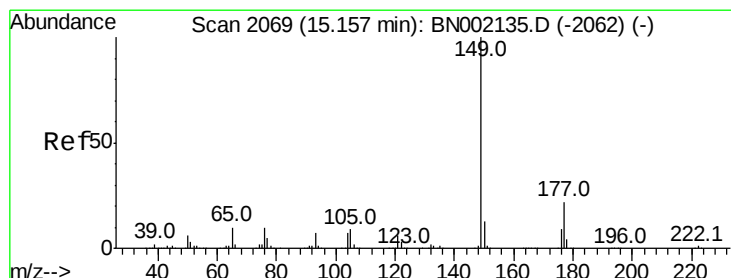
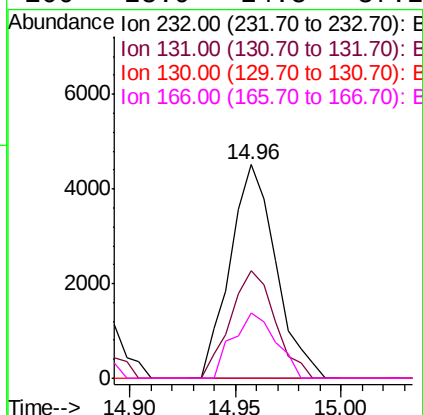
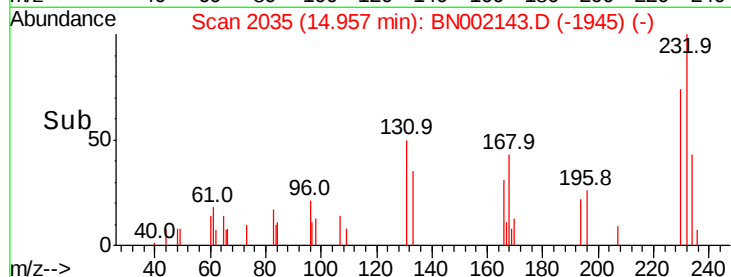
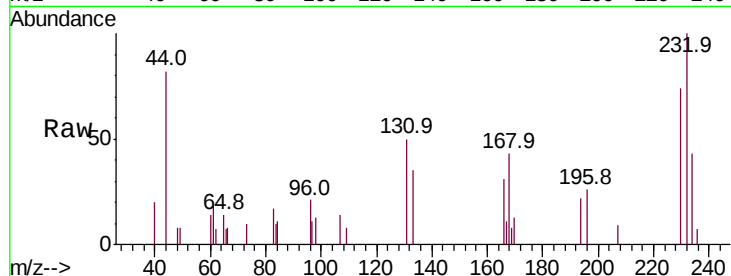




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.674 ng
 RT: 14.96 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BN002143.D
 Acq: 25 Jul 2018 19:29

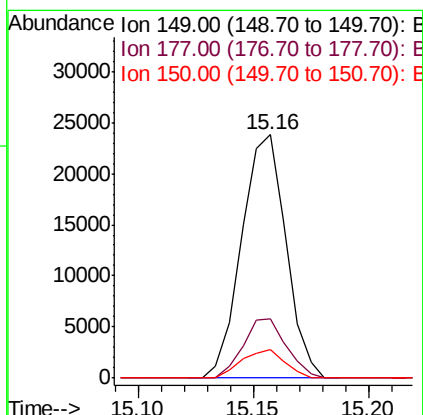
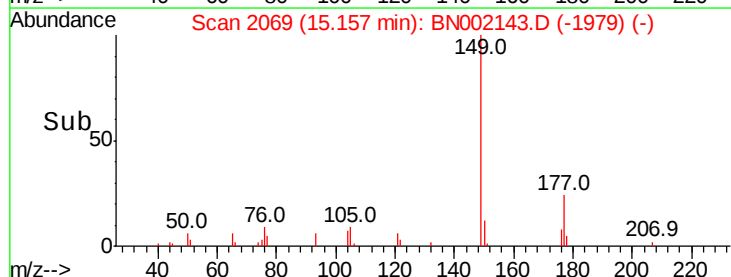
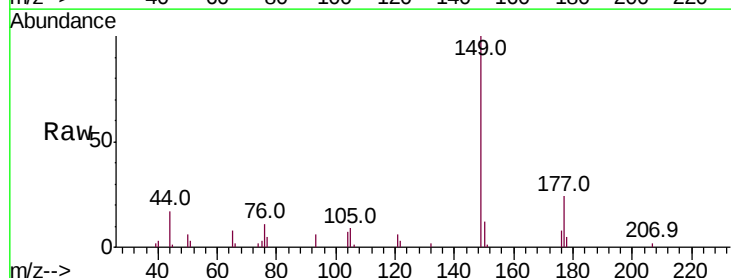
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

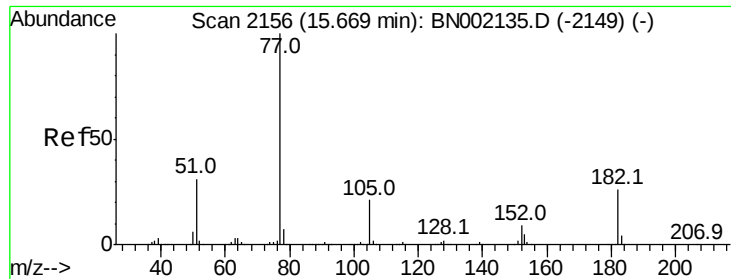
Tot Ion:232 Resp: 6783
 Ion Ratio Lower Upper
 232 100
 131 49.2 33.5 50.3
 130 0.0 2.2 3.2#
 166 28.9 24.8 37.2



#59
 Diethylphthalate
 Concen: 0.769 ng
 RT: 15.16 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BN002143.D
 Acq: 25 Jul 2018 19:29

Tgt Ion:149 Resp: 31846
 Ion Ratio Lower Upper
 149 100
 177 24.2 18.5 27.7
 150 11.9 10.2 15.2

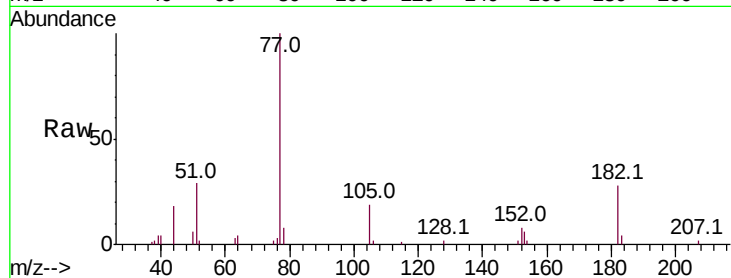




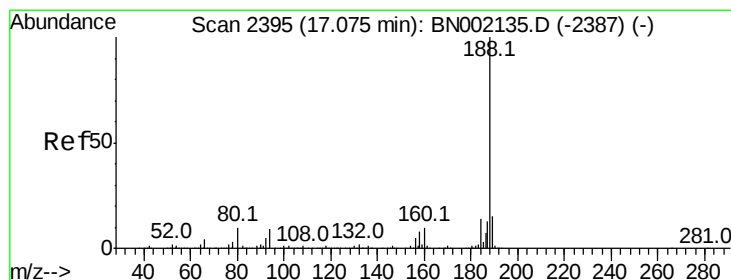
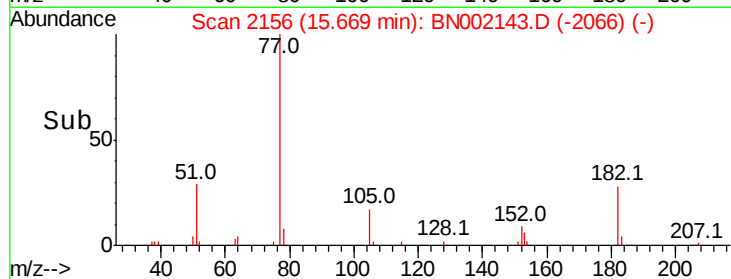
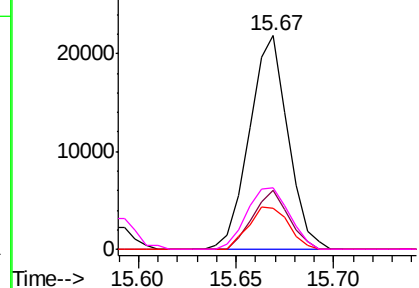
#62
Azobenzene
Concen: 0.751 ng
RT: 15.67 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	77	Resp:	29832
Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.4	47.4
105	19.3	0.3	40.3
51	29.0	11.6	51.6

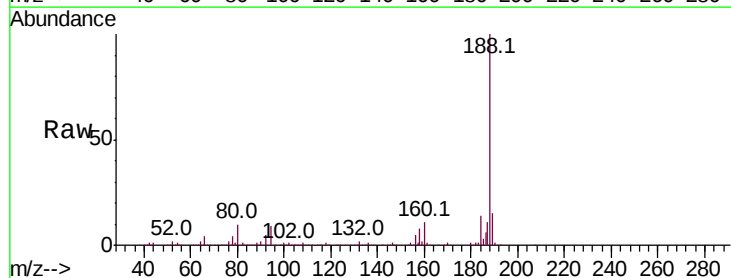


Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 182.00 (181.70 to 182.70): BNC
Ion 105.00 (104.70 to 105.70): BNC
Ion 51.00 (50.70 to 51.70): BNC

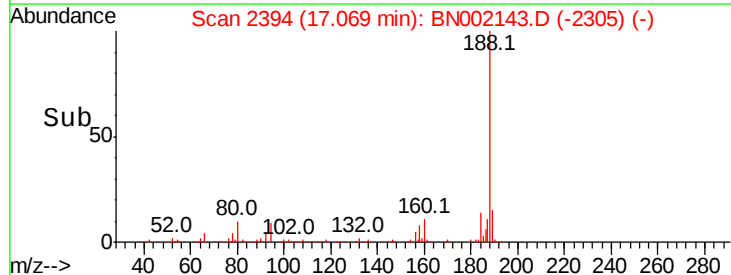
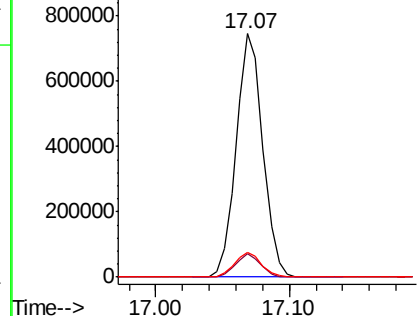


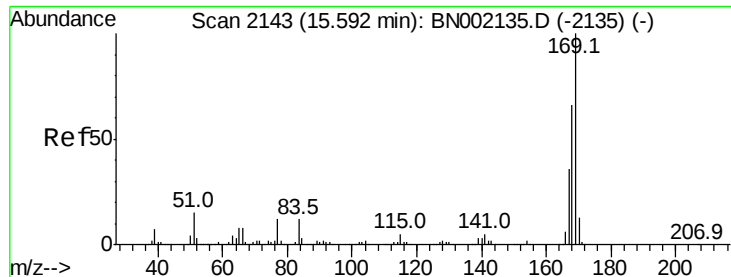
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:	188	Resp:	1036093
Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.9	10.3
80	10.2	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): BNC
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

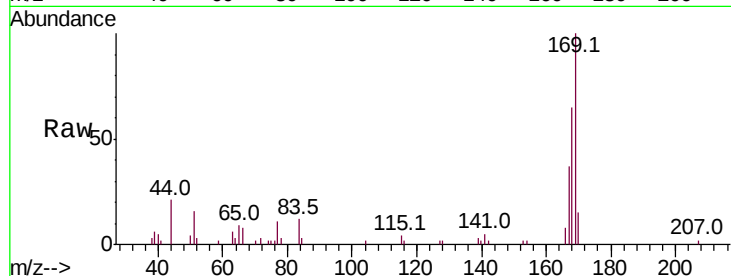




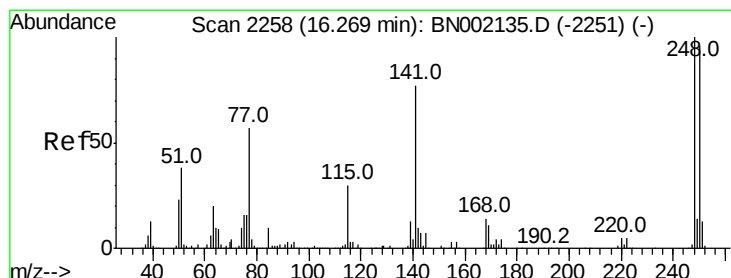
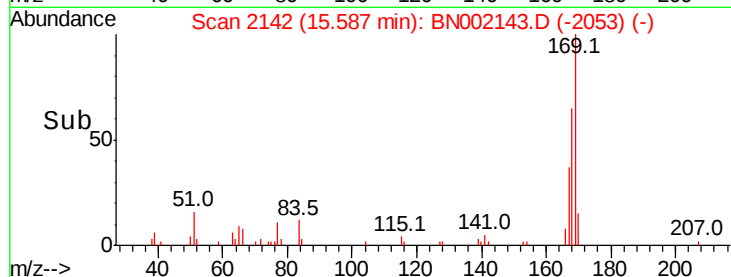
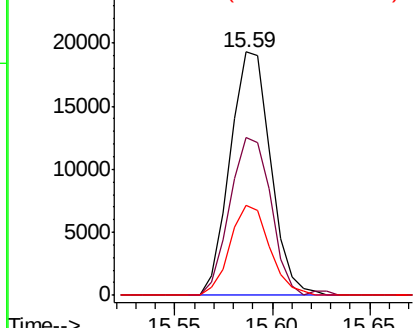
#65
 n-Nitrosodiphenylamine
 Concen: 0.809 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN002143.D
 Acq: 25 Jul 2018 19:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion:169 Resp: 27814
 Ion Ratio Lower Upper
 169 100
 168 64.8 55.7 83.5
 167 37.1 30.1 45.1

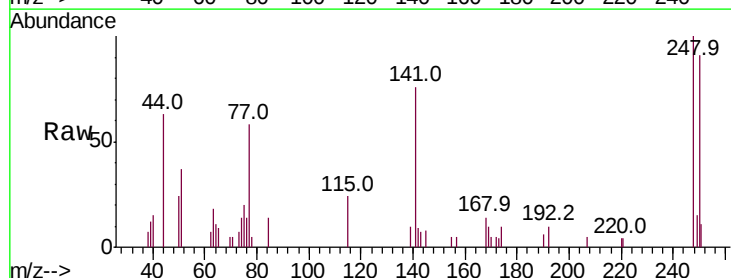


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

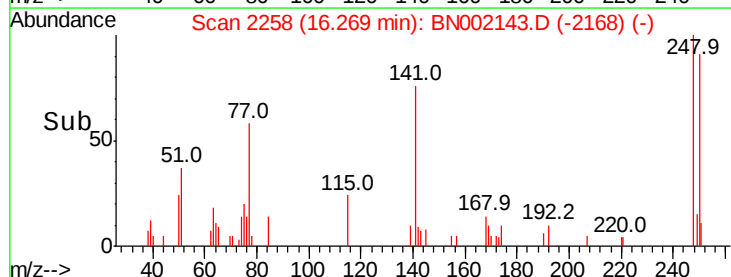
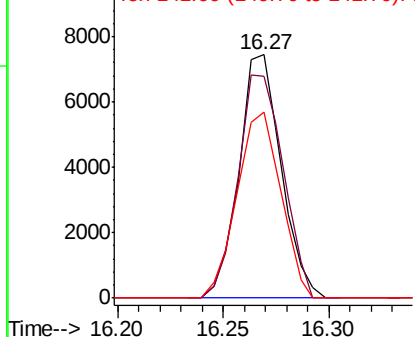


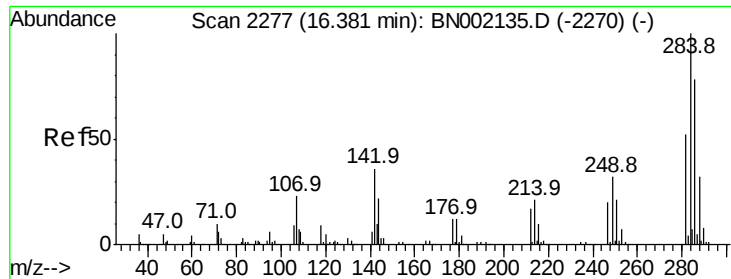
#66
 4-Bromophenyl-phenylether
 Concen: 0.851 ng
 RT: 16.27 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: BN002143.D
 Acq: 25 Jul 2018 19:29

Tgt Ion:248 Resp: 10322
 Ion Ratio Lower Upper
 248 100
 250 91.3 77.1 115.7
 141 76.2 50.8 76.2#



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: 0.897 ng

RT: 16.38 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

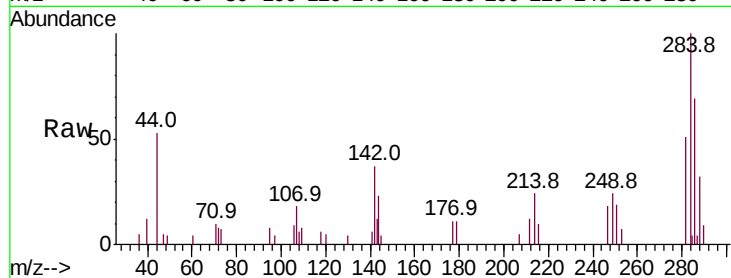
Tot Ion:284 Resp: 12036

Ion Ratio Lower Upper

284 100

142 37.3 26.8 40.2

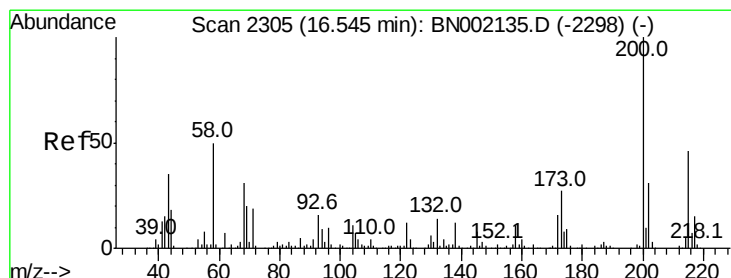
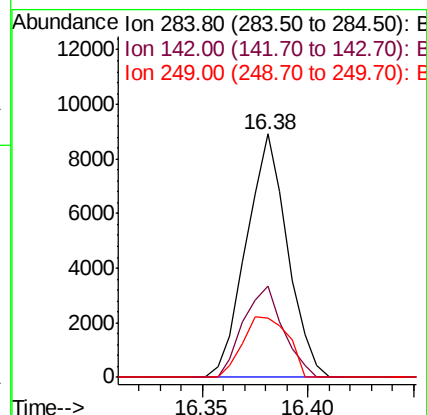
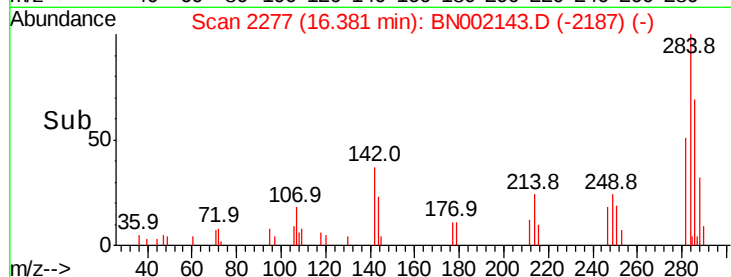
249 24.3 26.3 39.5#



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: 0.718 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

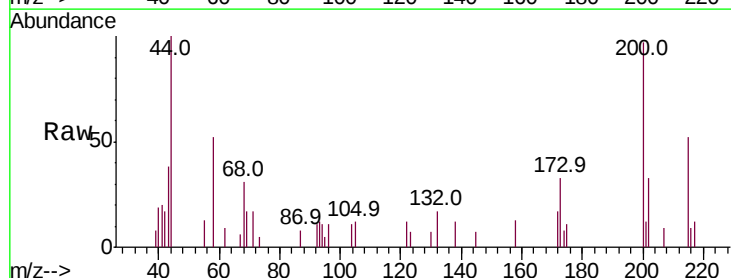
Tgt Ion:200 Resp: 8315

Ion Ratio Lower Upper

200 100

173 34.1 5.2 45.2

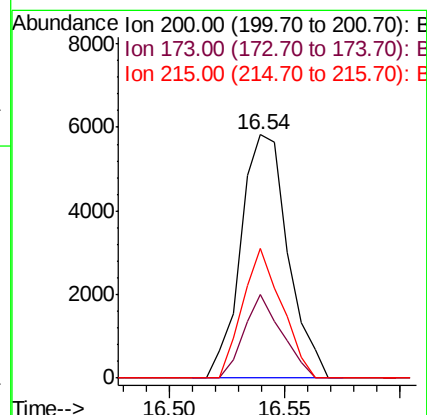
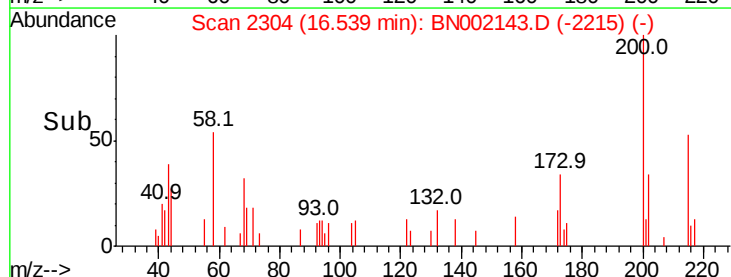
215 53.3 30.4 70.4

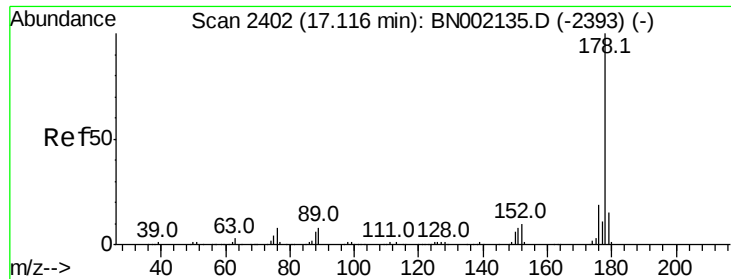


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

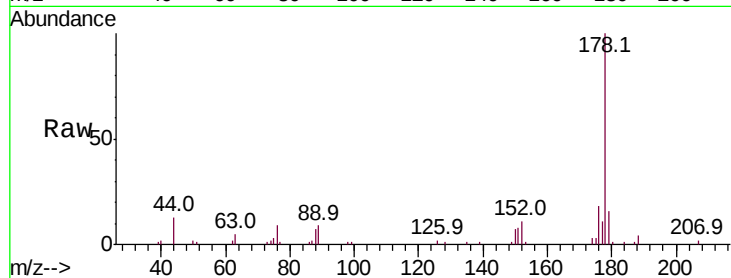




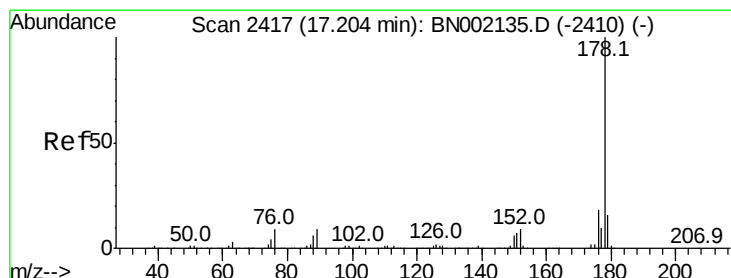
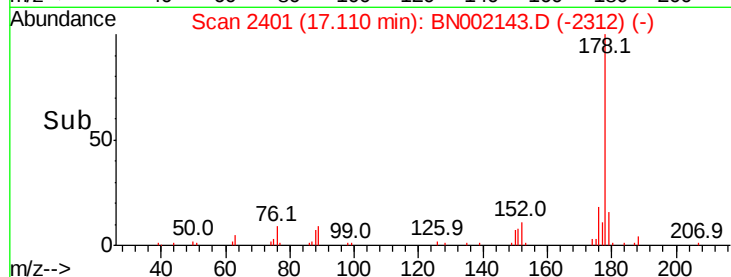
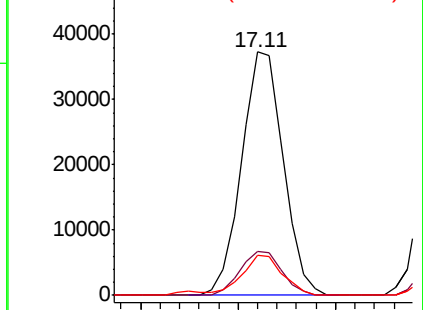
#70
Phenanthrene
Concen: 0.973 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:178 Resp: 55001
Ion Ratio Lower Upper
178 100
176 18.0 15.7 23.5
179 16.5 12.5 18.7

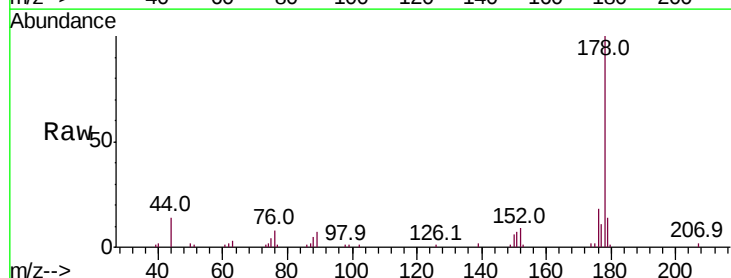


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

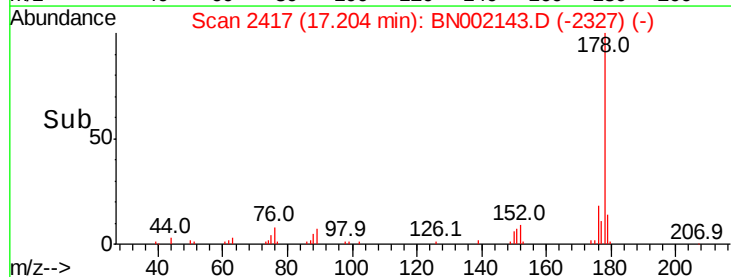
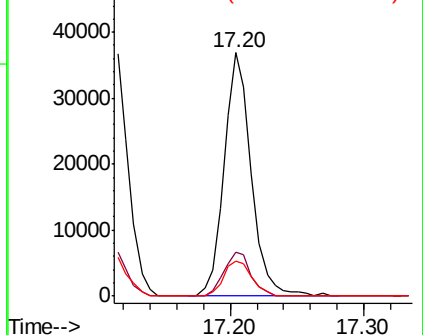


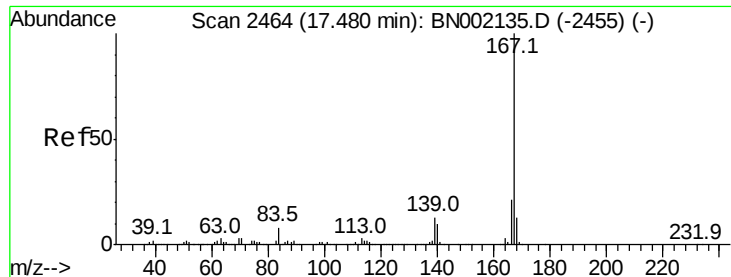
#71
Anthracene
Concen: 0.936 ng
RT: 17.20 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:178 Resp: 52418
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 14.2 12.5 18.7



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: 0.752 ng

RT: 17.48 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

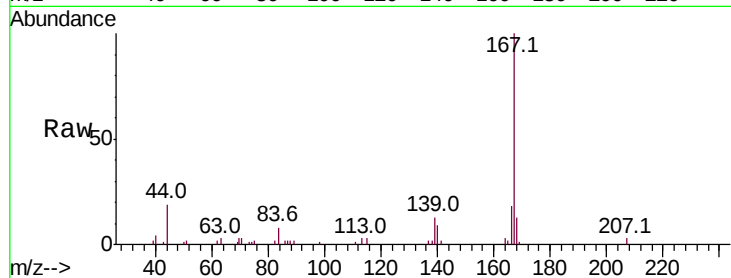
Tot Ion:167 Resp: 42214

Ion Ratio Lower Upper

167 100

166 18.4 18.2 27.4

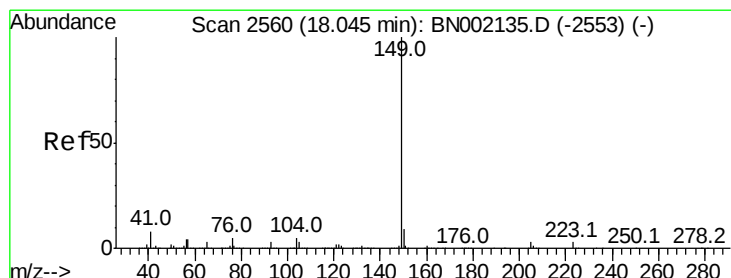
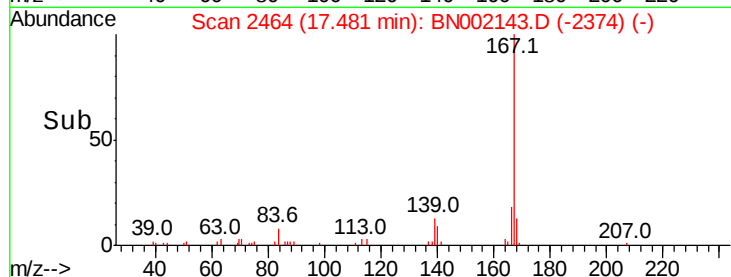
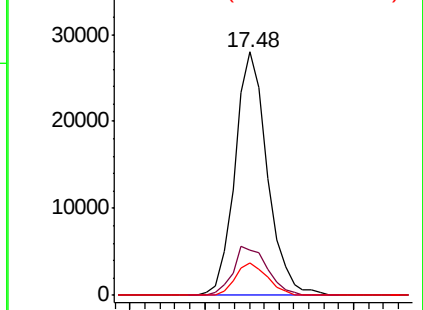
139 13.1 9.4 14.2



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: 0.653 ng

RT: 18.05 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

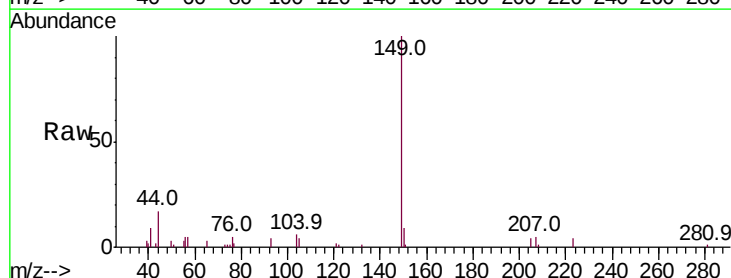
Tgt Ion:149 Resp: 42813

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

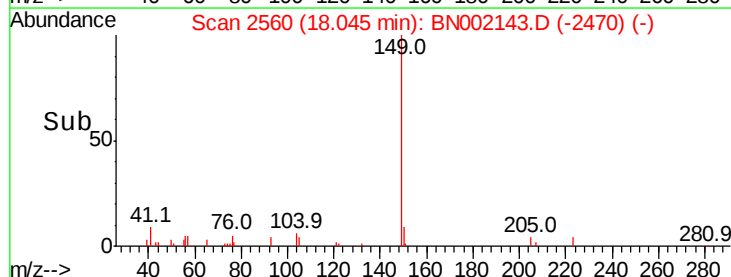
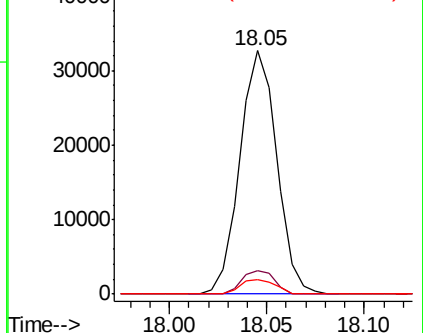
104 5.8 3.9 5.9

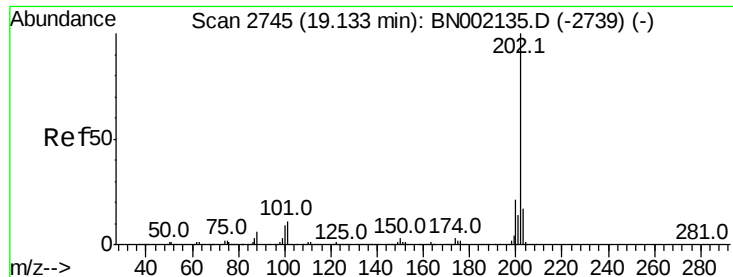


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.856 ng

RT: 19.13 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

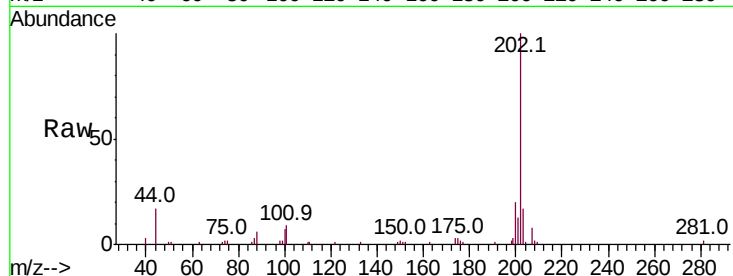
Tot Ion:202 Resp: 52542

Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.9

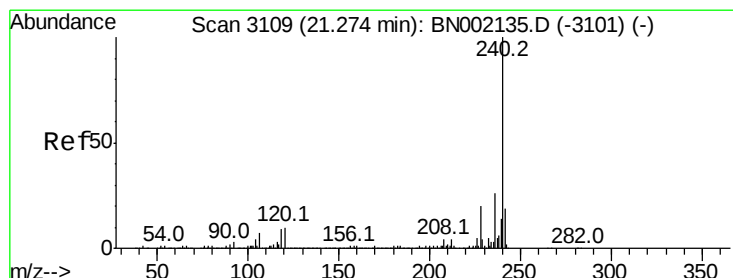
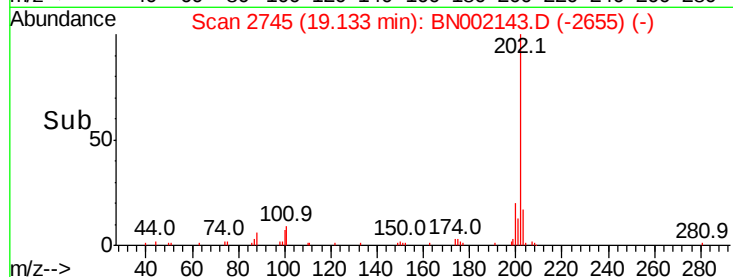
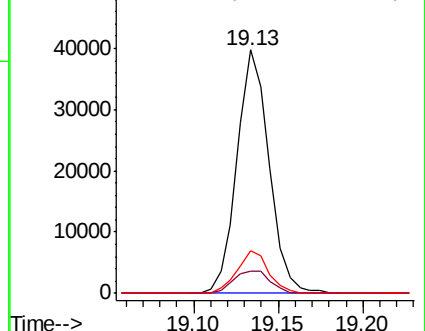
203 17.5 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

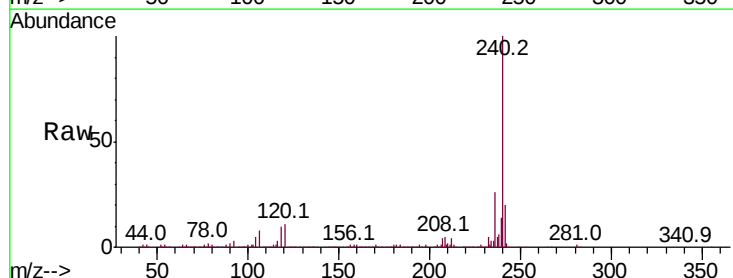
Tgt Ion:240 Resp: 903335

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

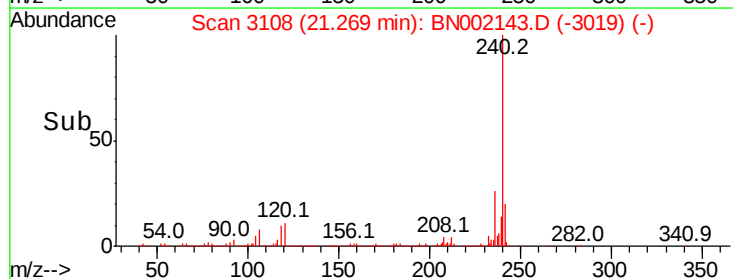
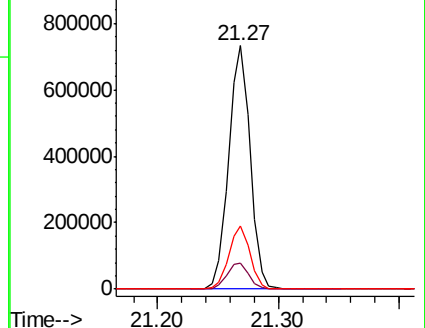
236 26.1 20.9 31.3

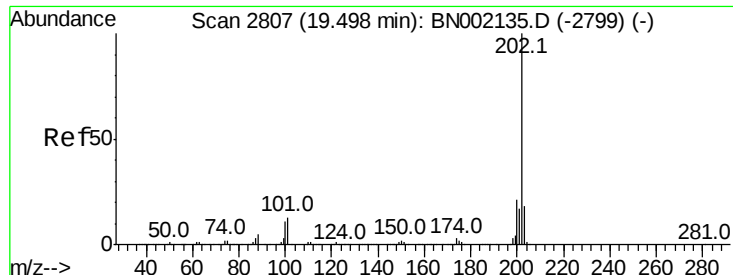


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

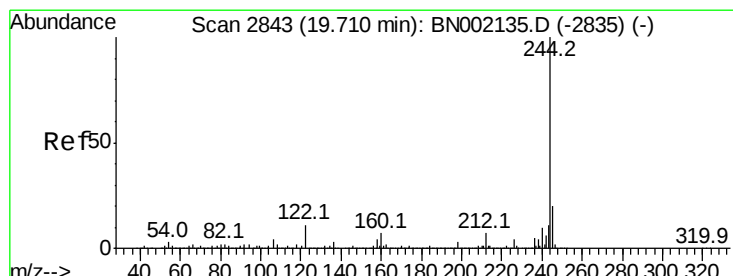
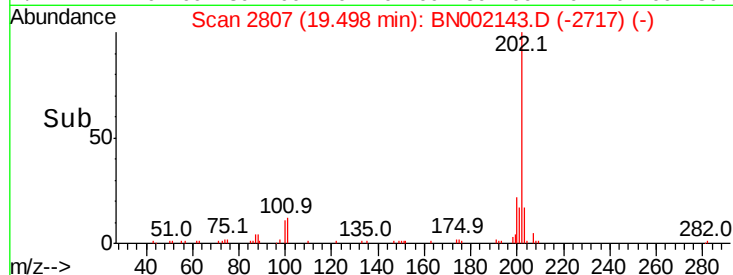
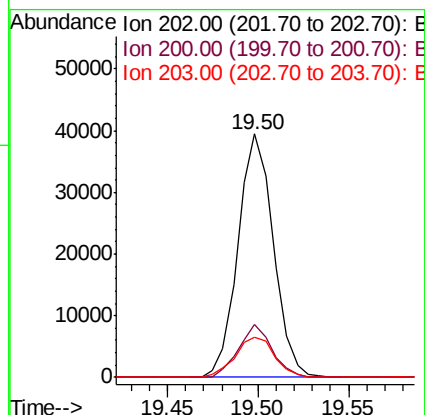
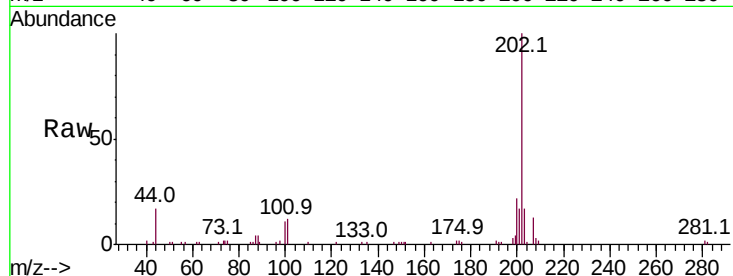




#77
Pvrene
Concen: 0.860 ng
RT: 19.50 min Scan# 2807
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

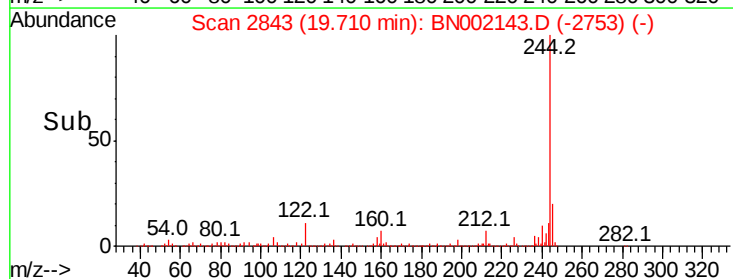
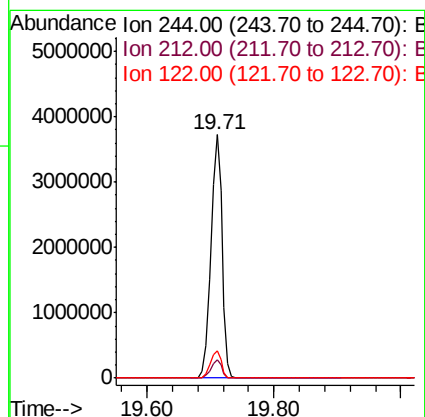
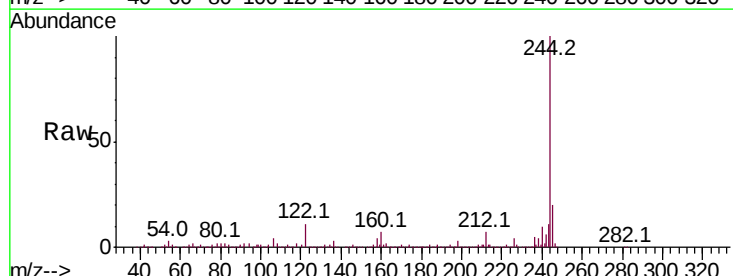
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

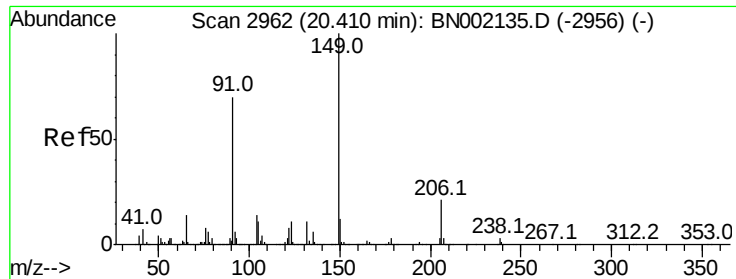
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	16.7	13.9	20.9



#78
Terphenyl-d14
Concen: 106.501 ng
RT: 19.71 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.3	7.0	10.4

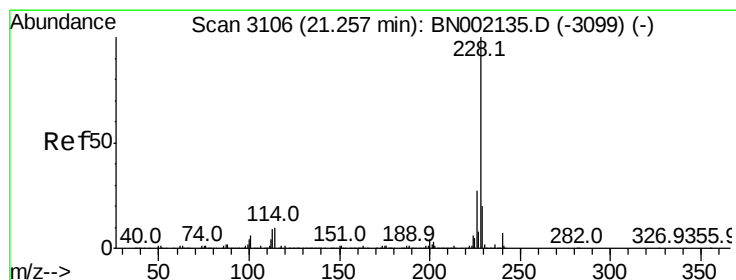
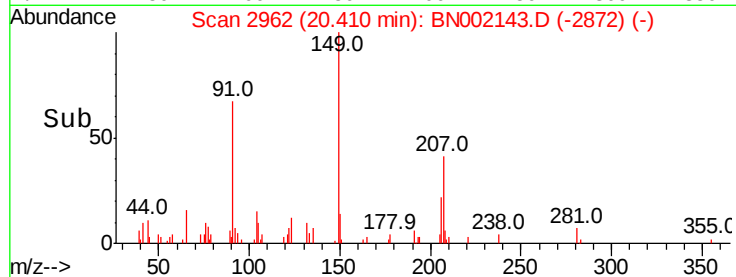
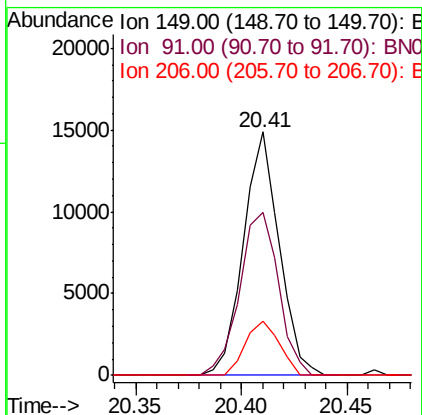
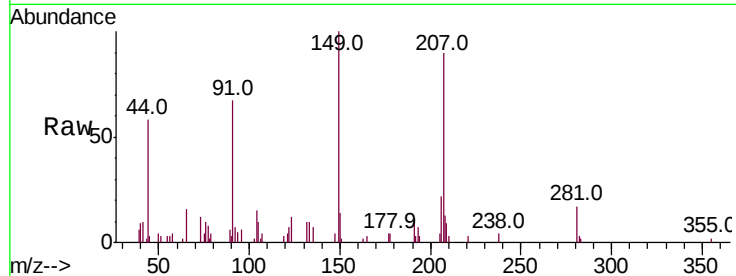




#79
Butylbenzylphthalate
Concen: 0.646 ng
RT: 20.41 min Scan# 2962
Delta R.T. 0.00 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

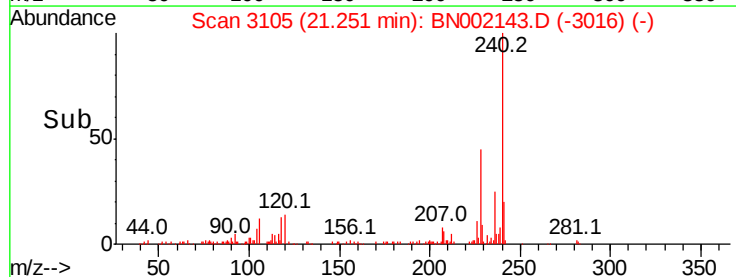
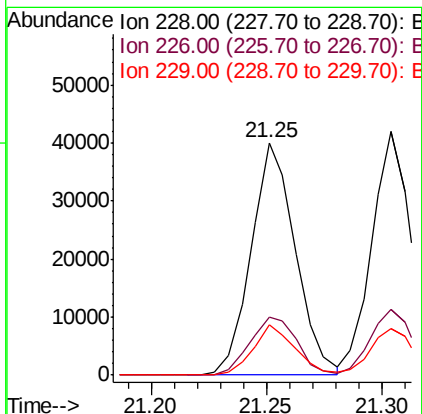
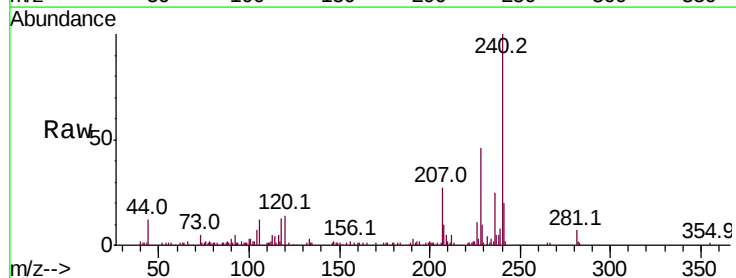
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

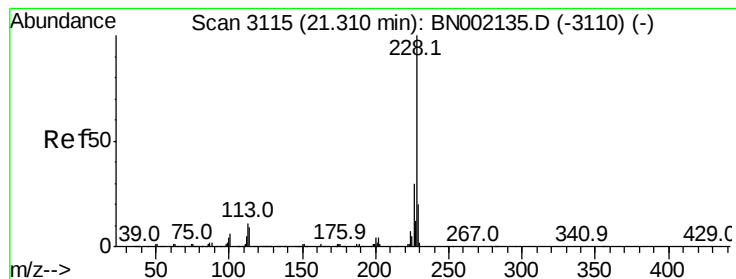
Tot Ion	Ratio	Lower	Upper
149	100		
91	67.1	62.2	93.2
206	22.0	18.6	27.8



#80
Benzo(a)anthracene
Concen: 0.968 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.1	22.7	34.1
229	21.5	16.2	24.2





#82

Chrysene

Concen: 0.962 ng

RT: 21.30 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

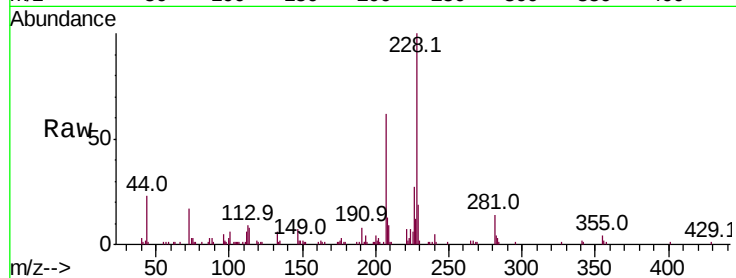
Tot Ion:228 Resp: 50432

Ion Ratio Lower Upper

228 100

226 27.1 24.9 37.3

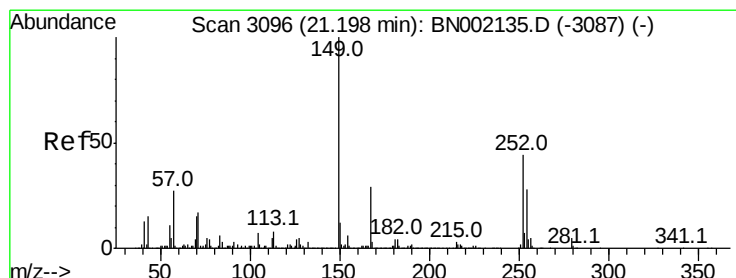
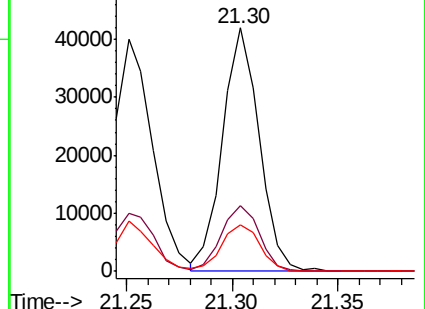
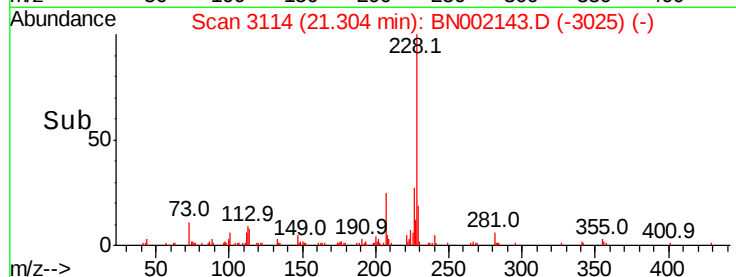
229 19.2 15.0 22.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.722 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

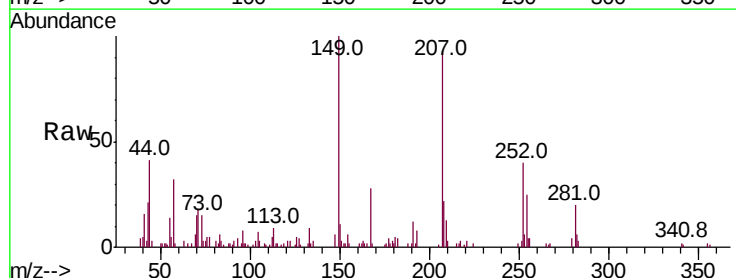
Tgt Ion:149 Resp: 27307

Ion Ratio Lower Upper

149 100

167 28.2 24.3 36.5

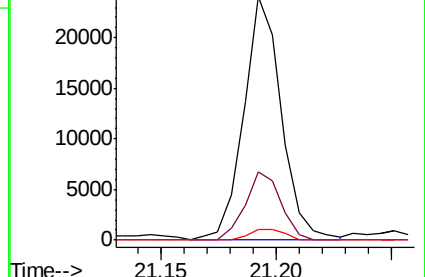
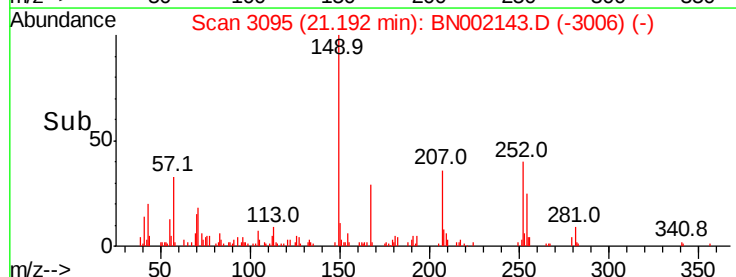
279 4.4 4.0 6.0

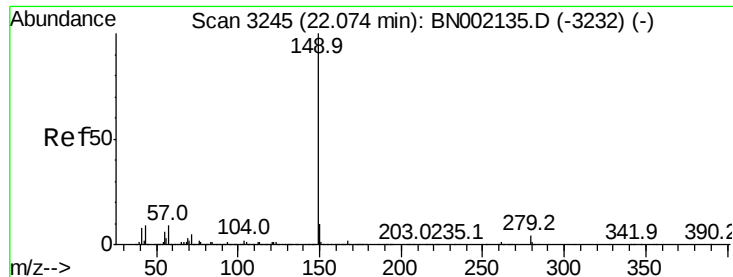


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.697 ng

RT: 22.07 min Scan# 3244

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

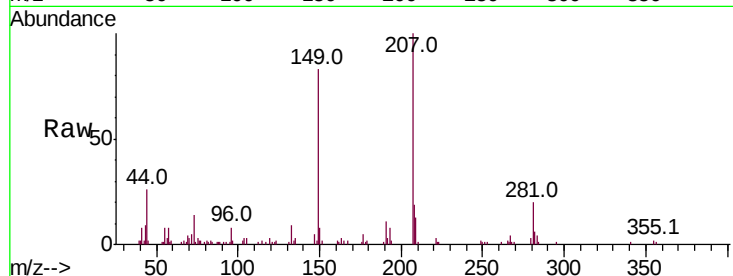
Tot Ion:149 Resp: 41803

Ion Ratio Lower Upper

149 100

167 3.0 1.4 2.0#

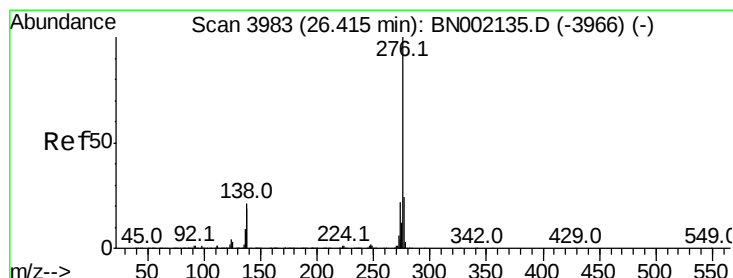
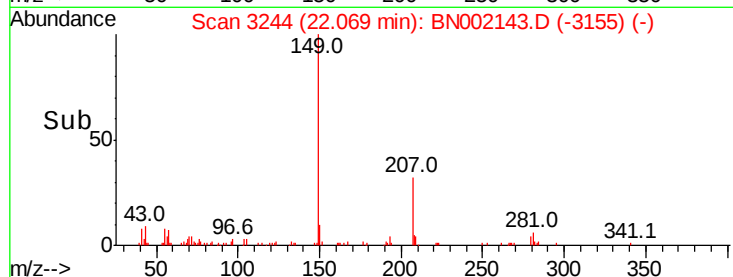
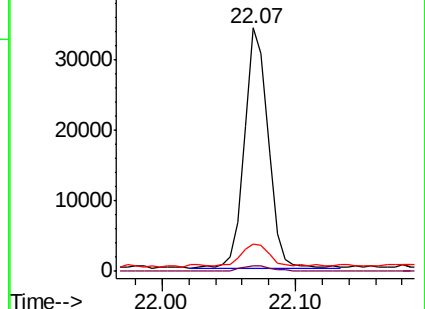
43 12.3 8.9 13.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.951 ng

RT: 25.73 min Scan# 3866

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

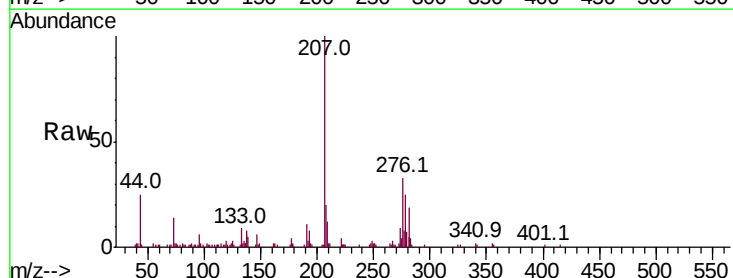
Tgt Ion:276 Resp: 48583

Ion Ratio Lower Upper

276 100

138 25.4 16.0 24.0#

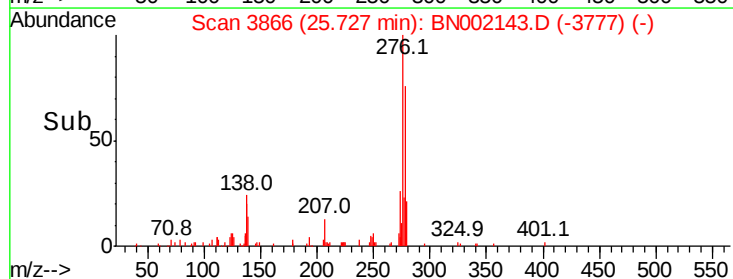
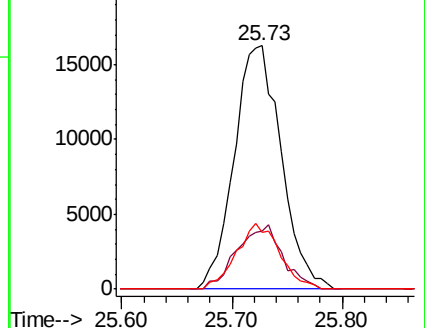
277 24.9 20.0 30.0

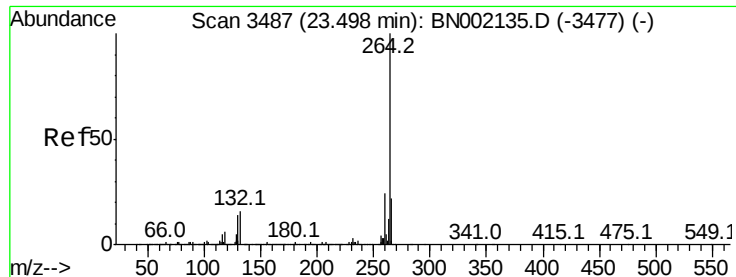


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

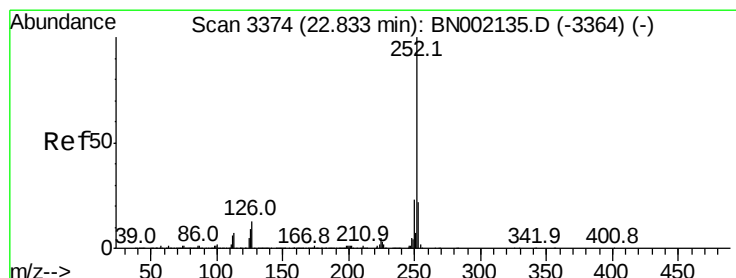
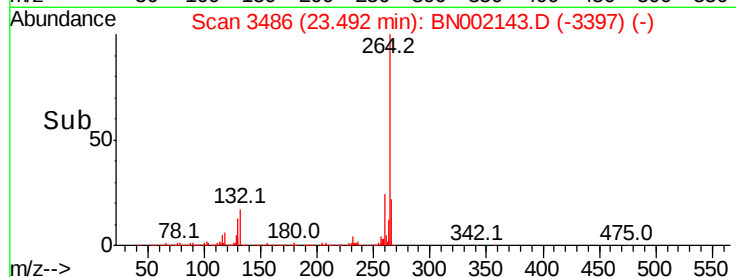
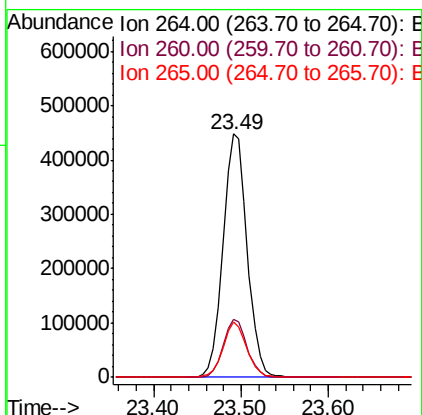
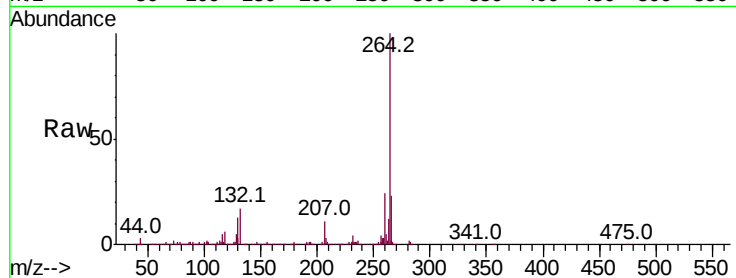




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

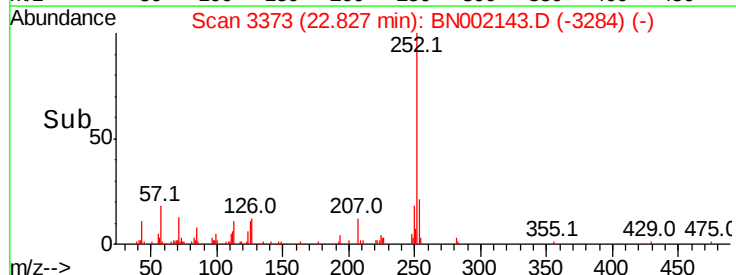
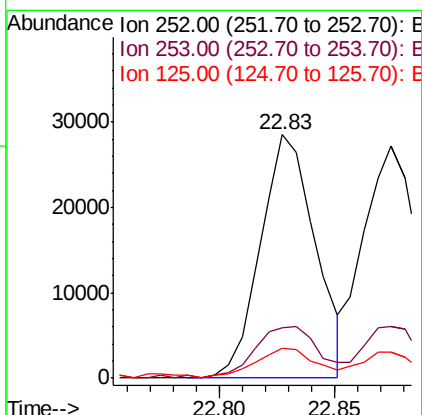
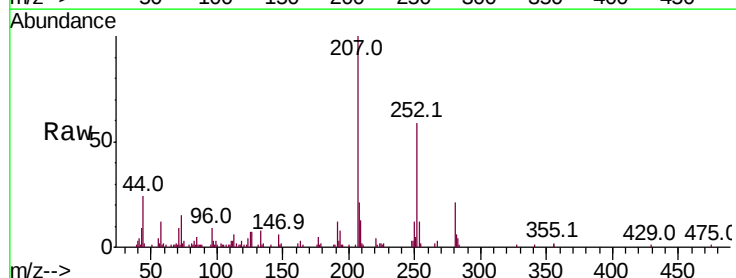
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

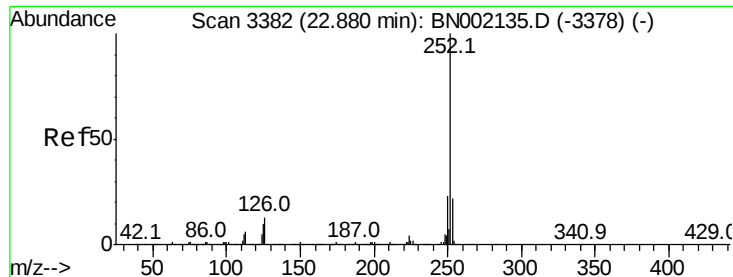
Tot Ion:264 Resp: 846083
Ion Ratio Lower Upper
264 100
260 23.8 17.4 26.0
265 22.5 17.7 26.5



#87
Benzo(b)fluoranthene
Concen: 0.942 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:252 Resp: 47049
Ion Ratio Lower Upper
252 100
253 20.6 18.2 27.4
125 12.3 7.2 10.8#

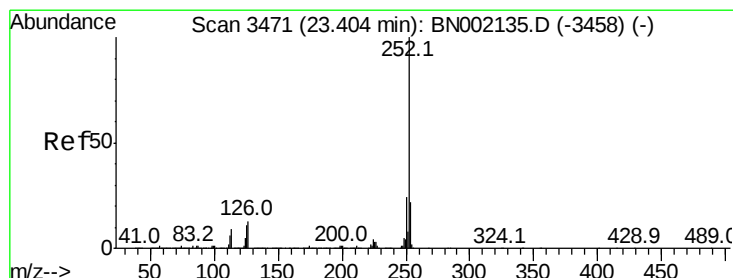
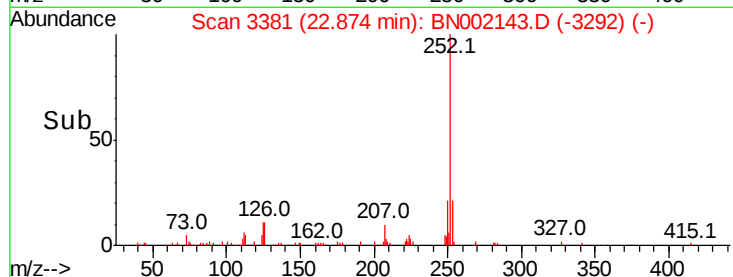
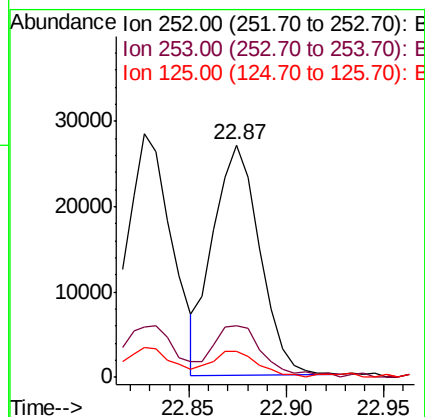
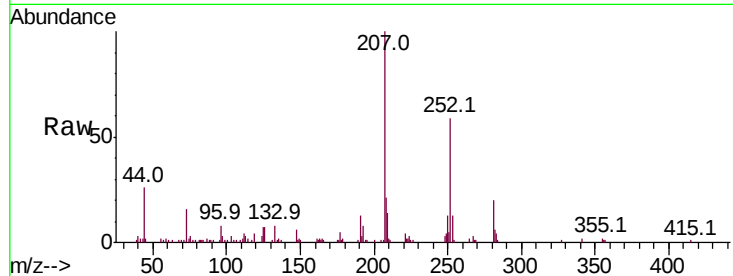




#88
Benzo(k)fluoranthene
Concen: 0.911 ng
RT: 22.87 min Scan# 3381
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

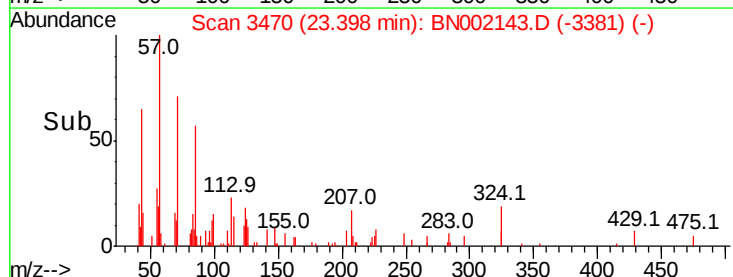
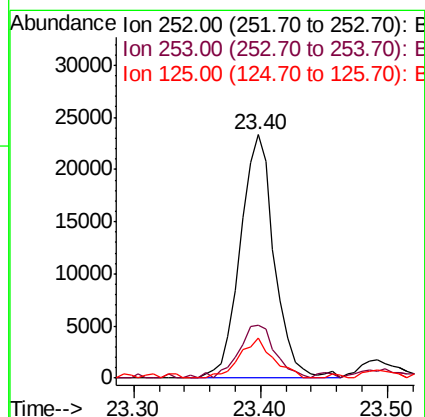
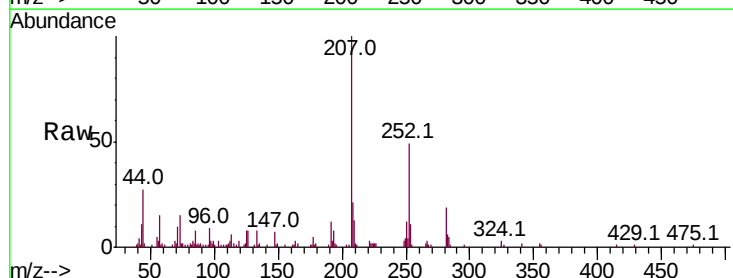
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

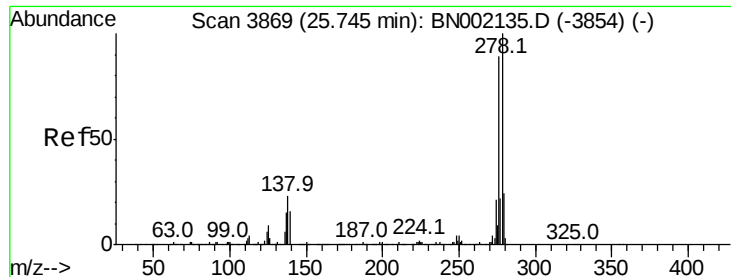
Tot Ion:252 Resp: 44807
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 11.3 6.6 9.8#



#89
Benzo(a)pyrene
Concen: 0.929 ng
RT: 23.40 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BN002143.D
Acq: 25 Jul 2018 19:29

Tgt Ion:252 Resp: 43333
Ion Ratio Lower Upper
252 100
253 21.9 18.3 27.5
125 16.7 7.3 10.9#





#90

Dibenzo(a,h)anthracene

Concen: 0.923 ng

RT: 25.73 min Scan# 3867

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

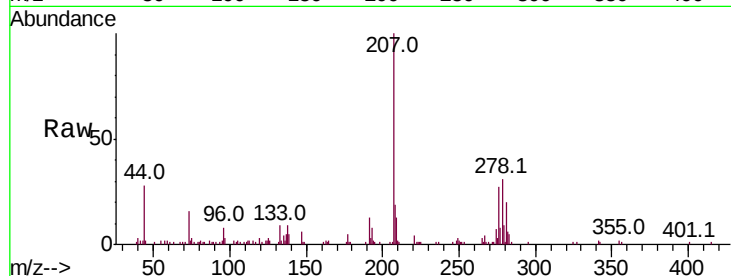
Tot Ion:278 Resp: 40428

Ion Ratio Lower Upper

278 100

139 16.5 9.8 14.6#

279 27.2 18.4 27.6

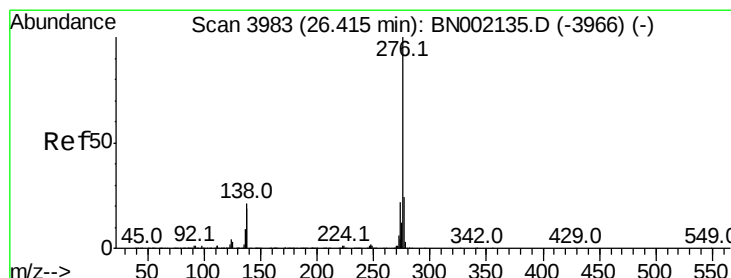
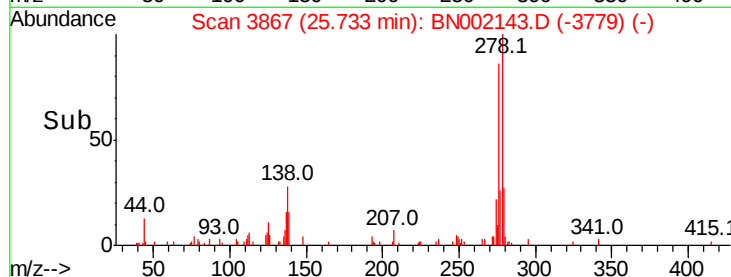
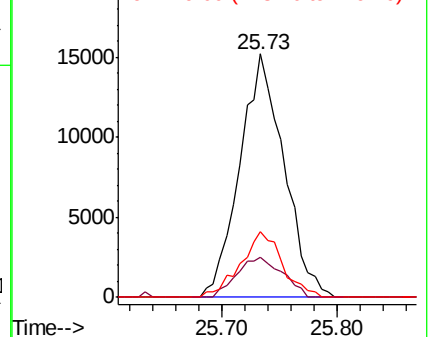


Abundance

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(g,h,i)perylene

Concen: 0.976 ng

RT: 26.40 min Scan# 3981

Delta R.T. -0.01 min

Lab File: BN002143.D

Acq: 25 Jul 2018 19:29

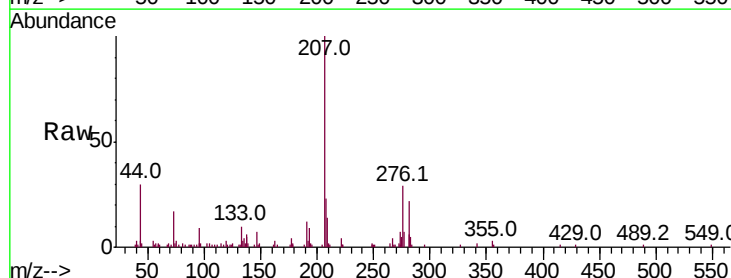
Tgt Ion:276 Resp: 41286

Ion Ratio Lower Upper

276 100

277 24.5 18.3 27.5

138 21.4 13.9 20.9#



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

