

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103187.D
 Acq On : 23 Feb 2018 9:46
 Operator : SJ/JU
 Sample : J1161-01
 Misc : LOD-S-5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Feb 23 10:44:41 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

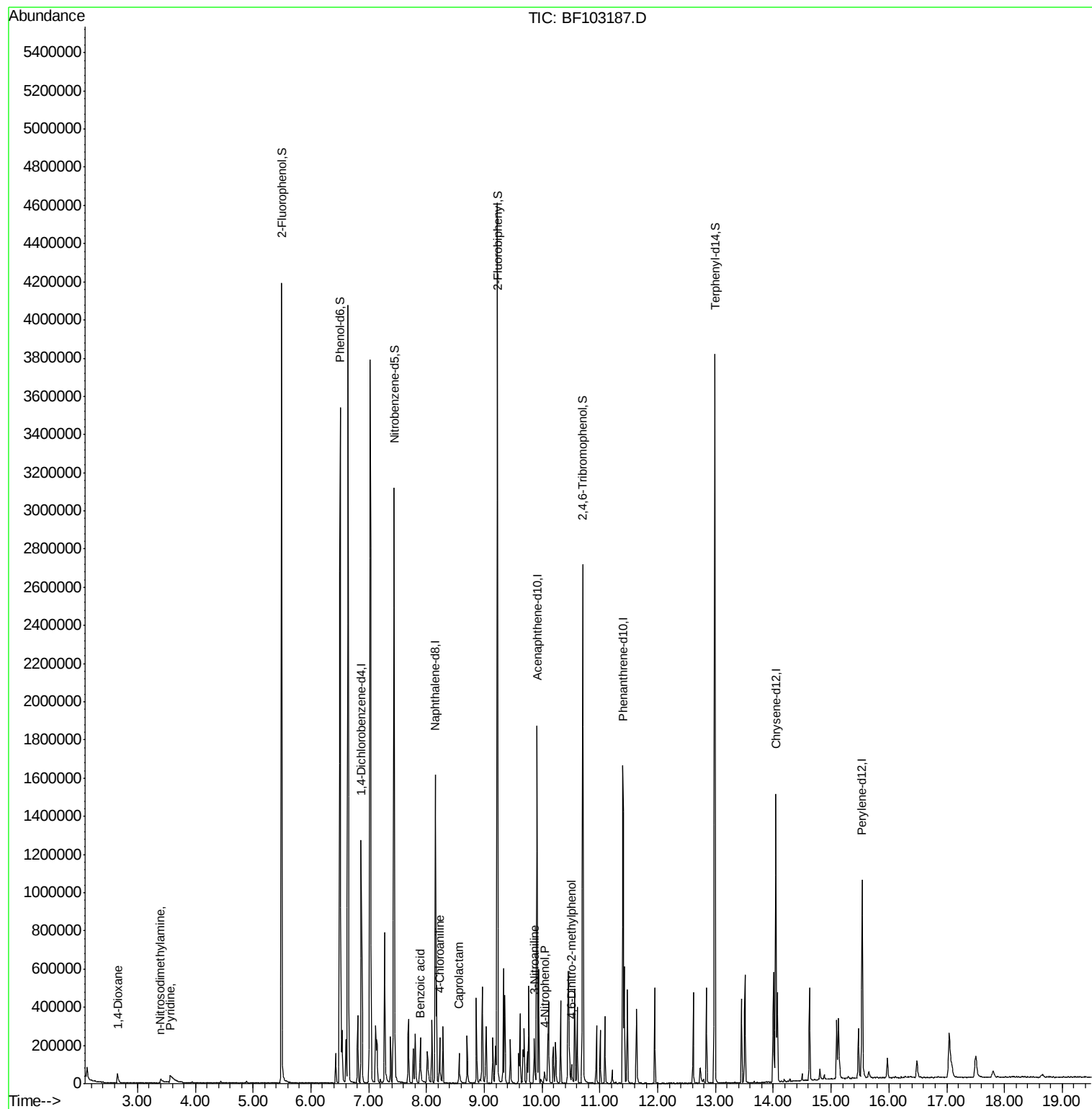
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	174993	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	747179	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	350258	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	606269	20.00	ng	0.00
75) Chrysene-d12	14.04	240	457568	20.00	ng	0.00
86) Perylene-d12	15.54	264	448750	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1291199	111.60	ng	0.00
7) Phenol-d6	6.51	99	1570343	110.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	1179957	90.19	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	347572	117.24	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1745059	86.07	ng	0.00
78) Terphenyl-d14	12.99	244	1453633	76.37	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.65	88	26420	4.323	ng	90
3) Pyridine	3.56	79	57749	3.540	ng	95
4) n-Nitrosodimethylamine	3.40	42	21480	3.265	ng	# 97
32) Benzoic acid	7.88	122	22409	9.408	ng	# 89
33) 4-Chloroaniline	8.23	127	79378	5.029	ng	98
35) Caprolactam	8.56	113	17314	4.964	ng	# 83
52) 3-Nitroaniline	9.86	138	35282	4.716	ng	93
55) 4-Nitrophenol	10.04	139	15993	3.449	ng	87
64) 4,6-Dinitro-2-methylphenol	10.51	198	11666	7.782	ng	88

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

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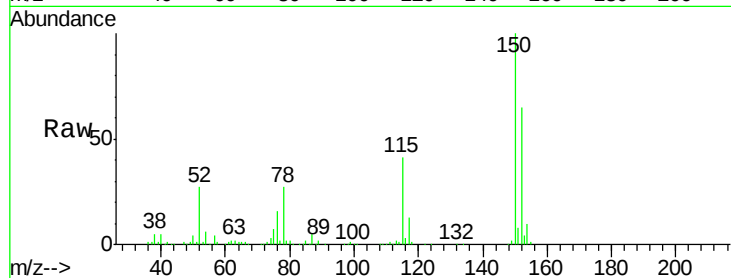


#1

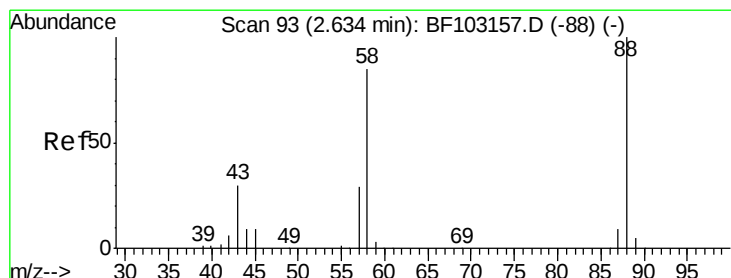
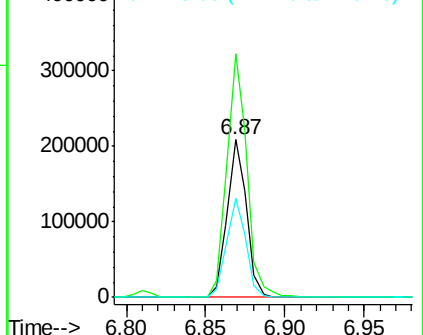
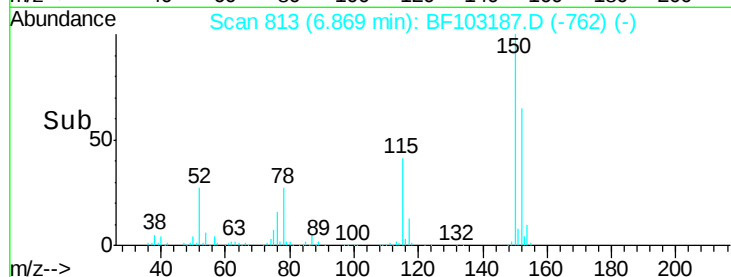
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:152 Resp: 174993
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 62.6 50.1 75.1



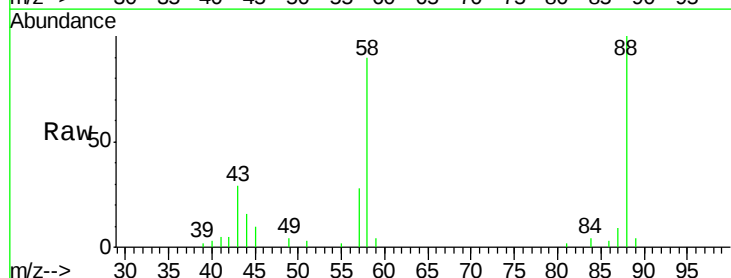
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



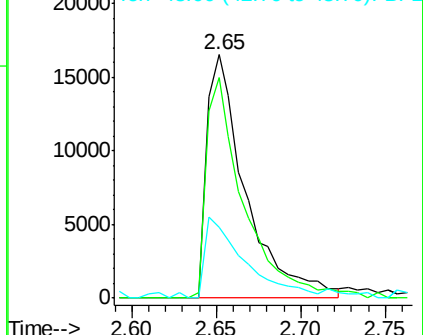
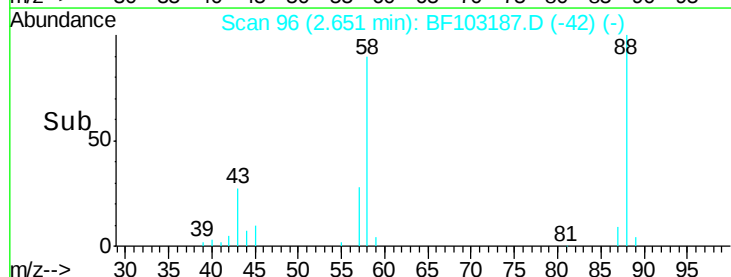
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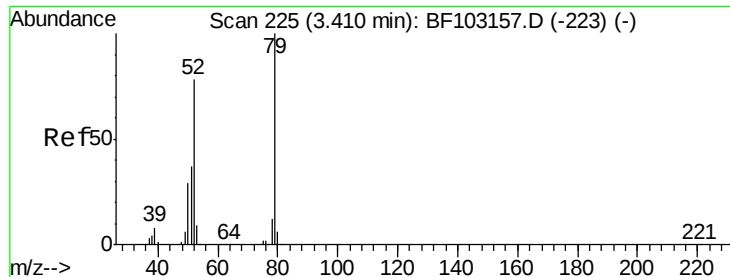
1,4-Dioxane
Concen: 4.323 ng
RT: 2.65 min Scan# 96
Delta R.T. 0.02 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Tgt Ion: 88 Resp: 26420
Ion Ratio Lower Upper
88 100
58 88.6 62.6 93.8
43 34.2 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 3.540 ng

RT: 3.56 min Scan# 251

Delta R.T. 0.15 min

Lab File: BF103187.D

Acq: 23 Feb 2018 9:46

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

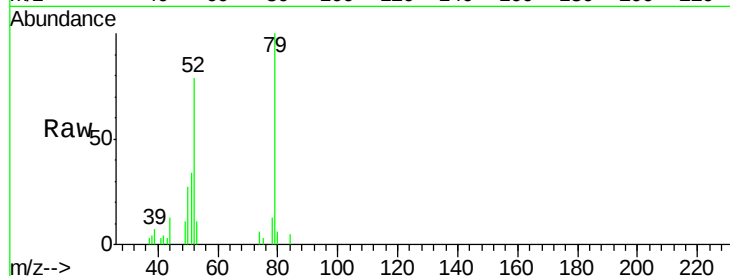
Tgt Ion: 79 Resp: 57749

Ion Ratio Lower Upper

79 100

52 78.5 59.8 89.6

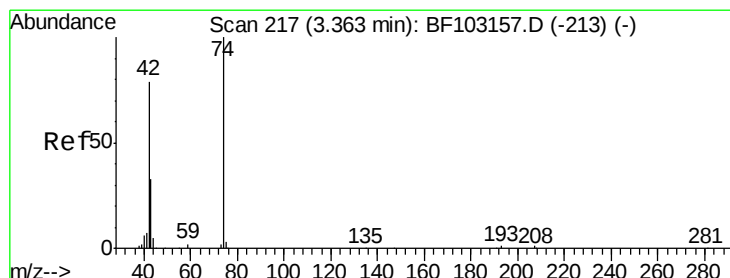
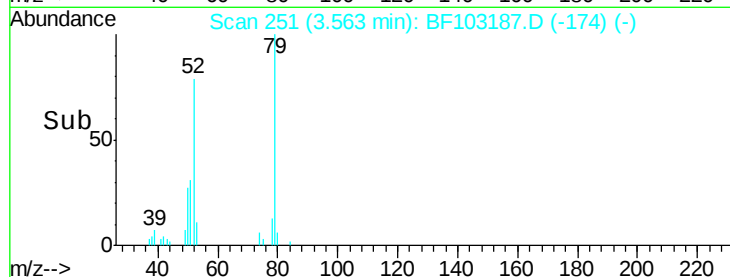
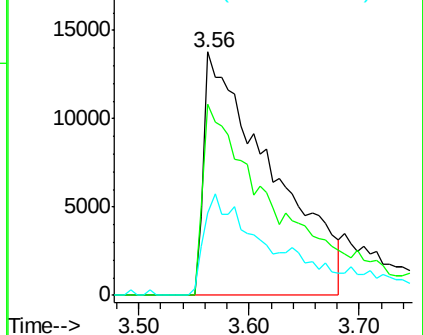
51 33.7 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 3.265 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.04 min

Lab File: BF103187.D

Acq: 23 Feb 2018 9:46

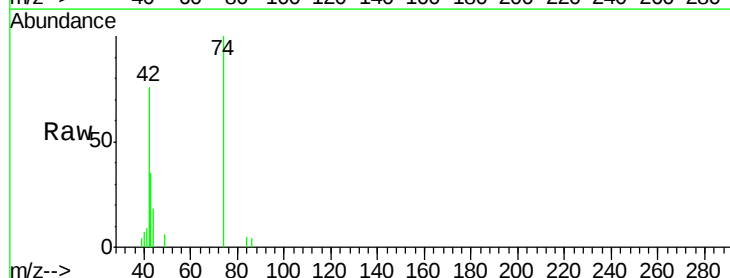
Tgt Ion: 42 Resp: 21480

Ion Ratio Lower Upper

42 100

74 130.8 104.9 157.3

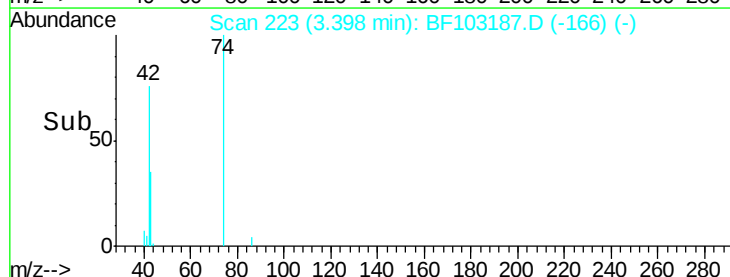
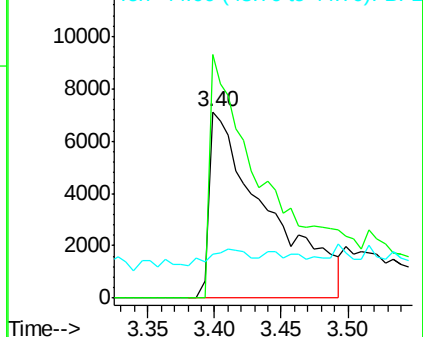
44 23.8 6.9 10.3#

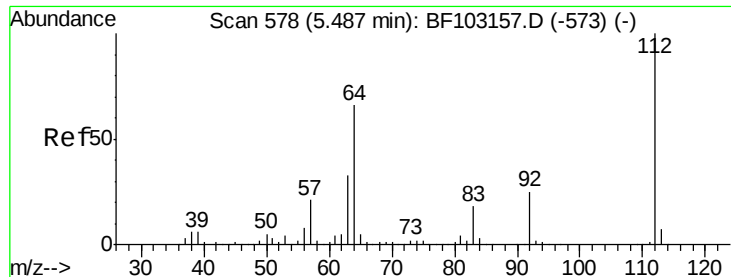


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 111.596 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF103187.D

Acq: 23 Feb 2018 9:46

Instrument :

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LOD-MDL-SOIL-01-QT1-2018

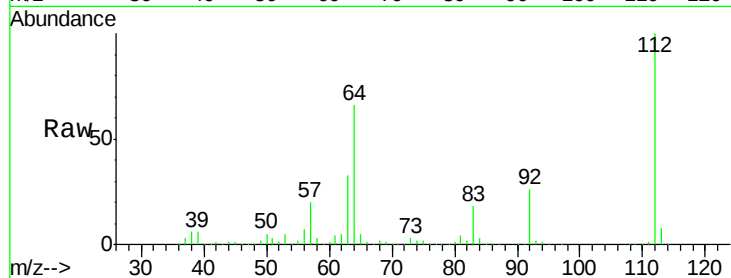
Tgt Ion: 112 Resp: 1291199

Ion Ratio Lower Upper

112 100

64 65.6 47.9 71.9

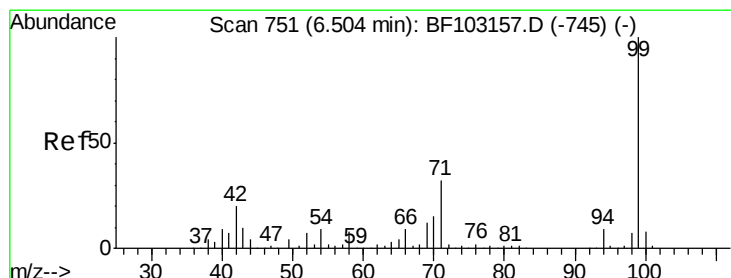
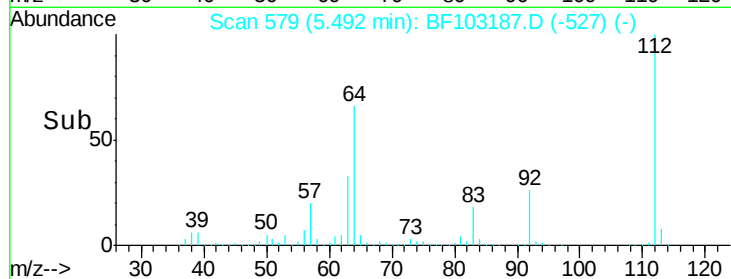
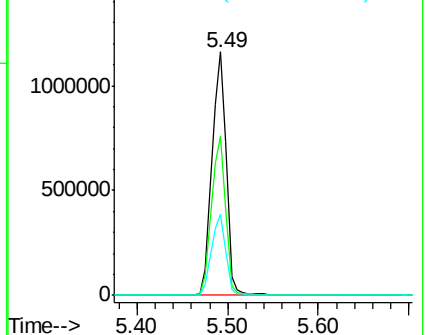
63 33.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 110.915 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103187.D

Acq: 23 Feb 2018 9:46

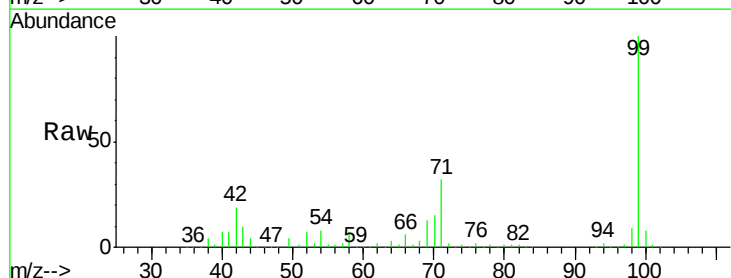
Tgt Ion: 99 Resp: 1570343

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

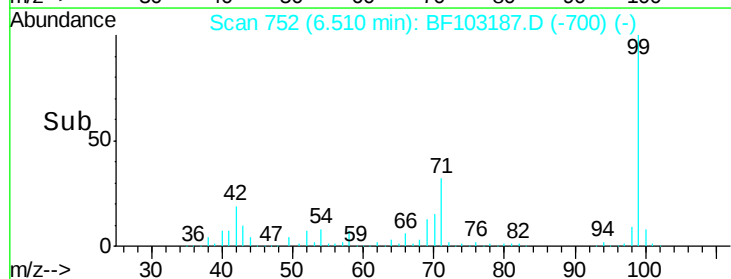
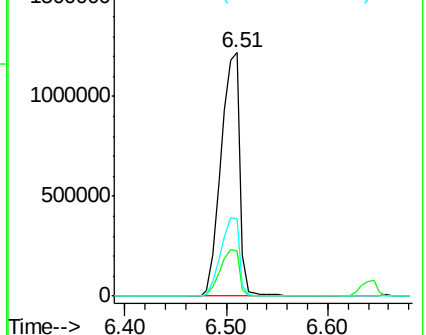
71 31.7 25.4 38.0

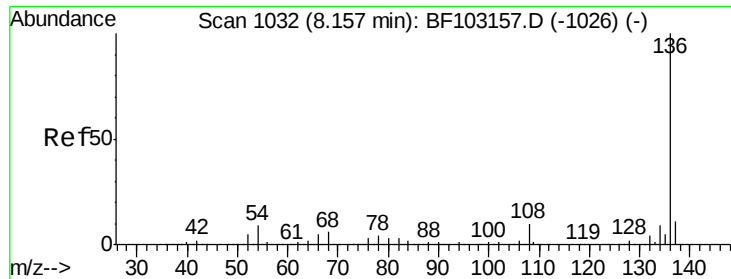


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

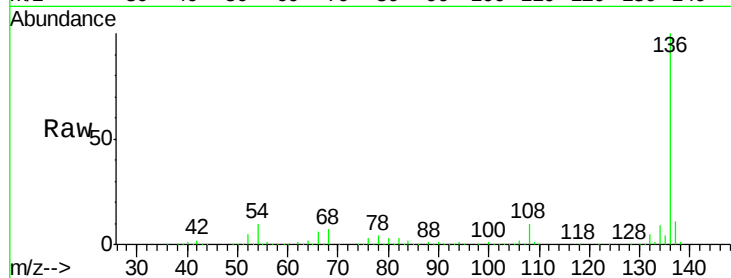




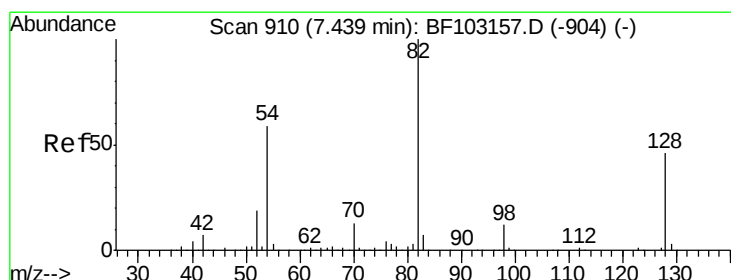
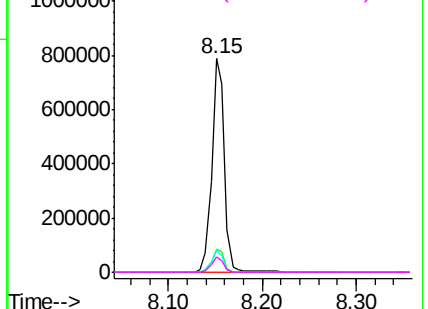
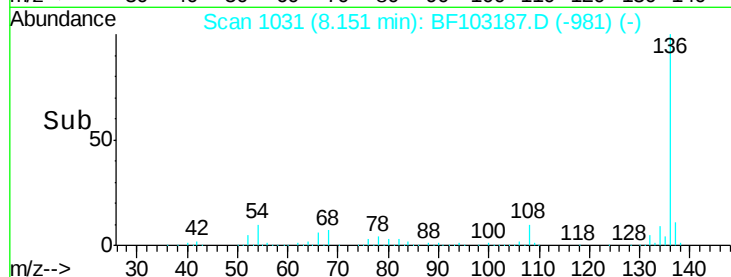
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Instrument :
BNA_F
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LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:	136	Resp:	747179
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	6.6	9.8#
68	7.1	5.0	7.4

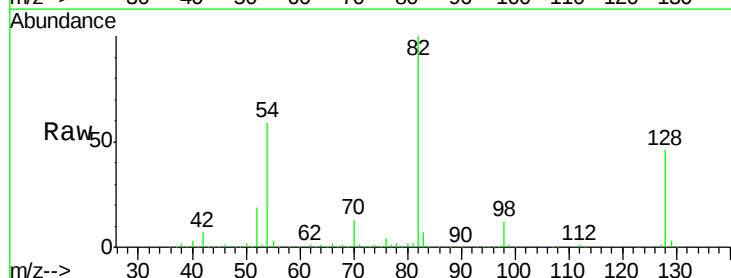


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

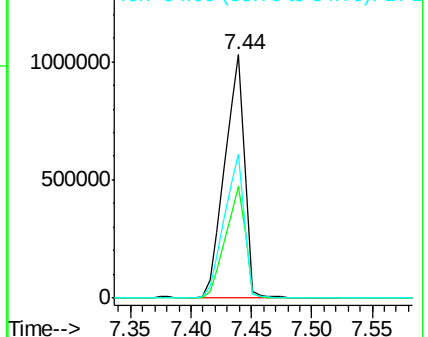
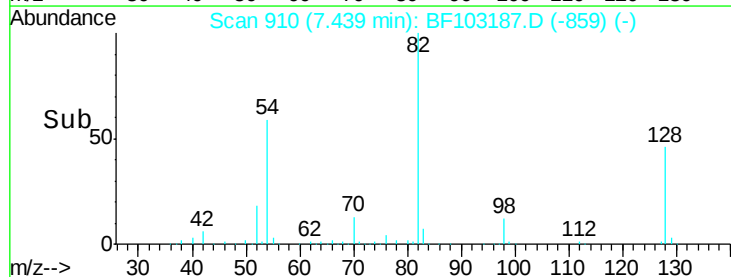


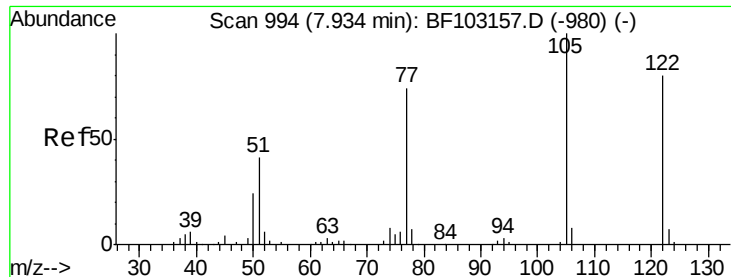
#23
Nitrobenzene-d5
Concen: 90.187 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Tgt Ion:	82	Resp:	1179957
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	59.1	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 9.408 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.05 min

Lab File: BF103187.D

Acq: 23 Feb 2018 9:46

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

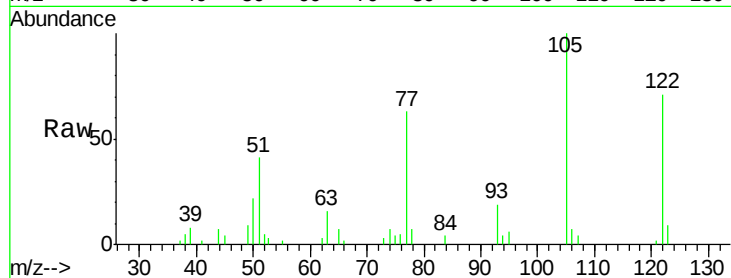
Tgt Ion:122 Resp: 22409

Ion Ratio Lower Upper

122 100

105 141.6 101.1 141.1#

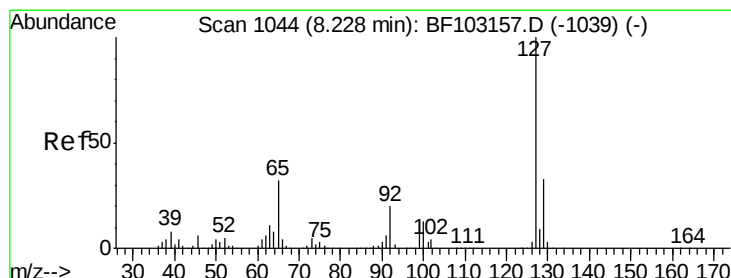
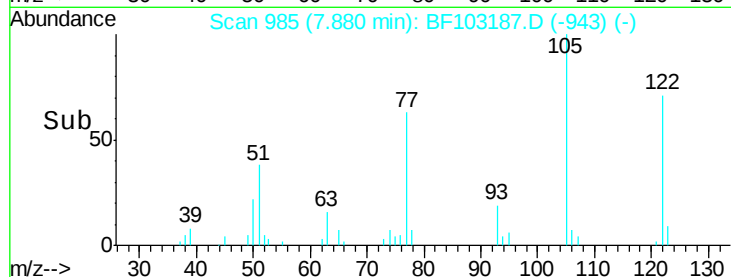
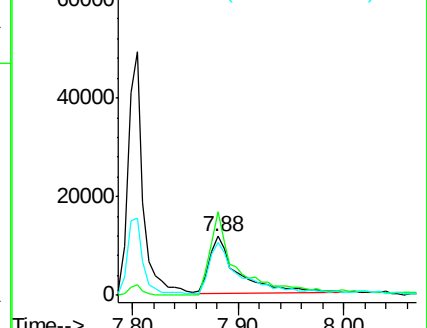
77 89.3 70.7 110.7



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): BF1



#33

4-Chloroaniline

Concen: 5.029 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF103187.D

Acq: 23 Feb 2018 9:46

Tgt Ion:127 Resp: 79378

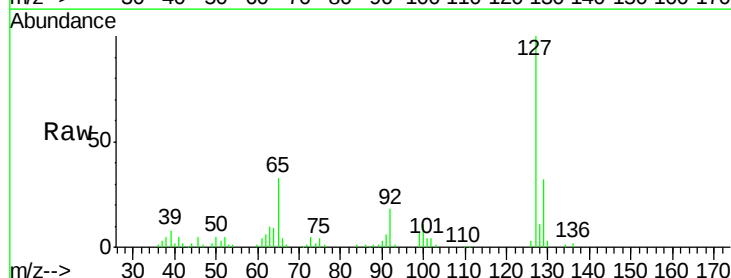
Ion Ratio Lower Upper

127 100

129 32.2 25.9 38.9

65 33.1 25.0 37.4

92 17.6 15.2 22.8

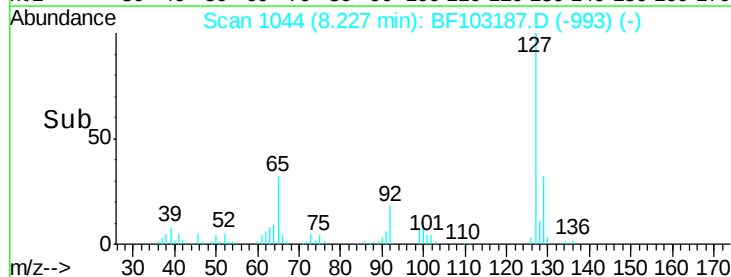
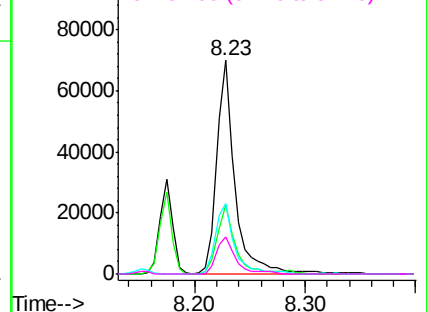


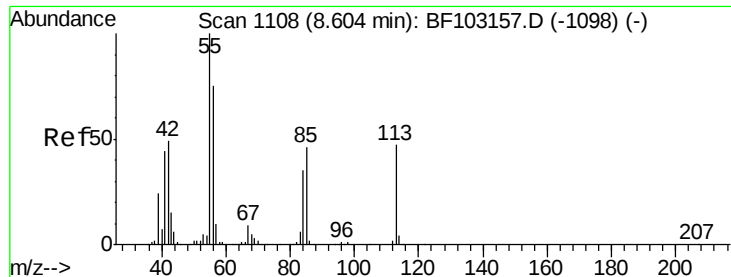
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

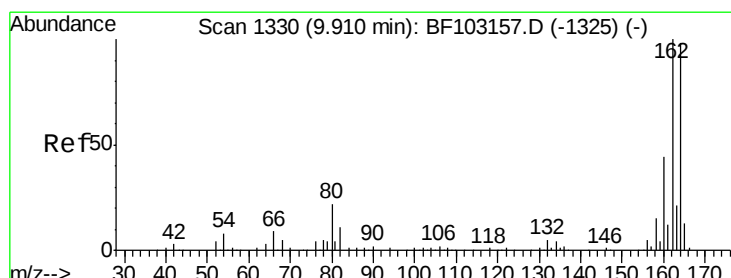
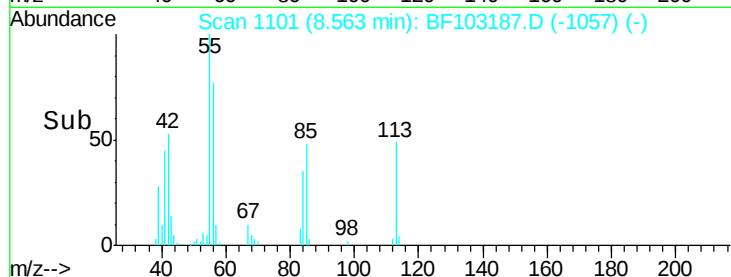
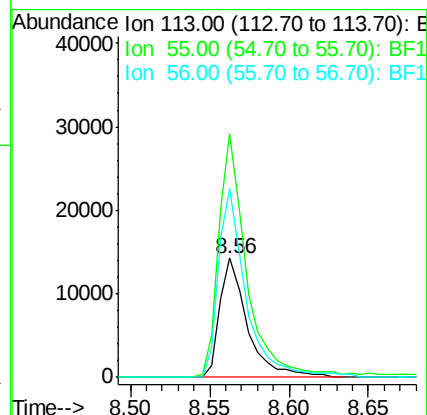
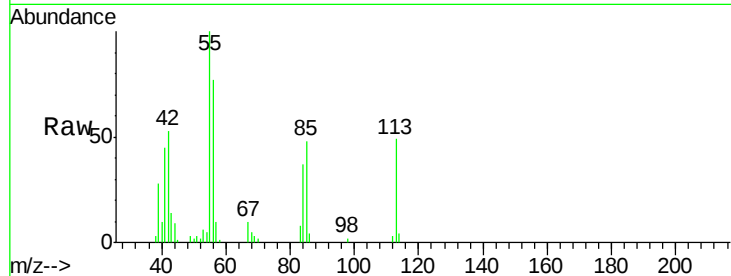




#35
 Caprolactam
 Concen: 4.964 ng
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.04 min
 Lab File: BF103187.D
 Acq: 23 Feb 2018 9:46

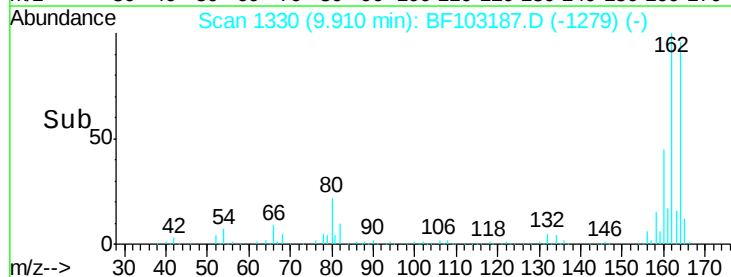
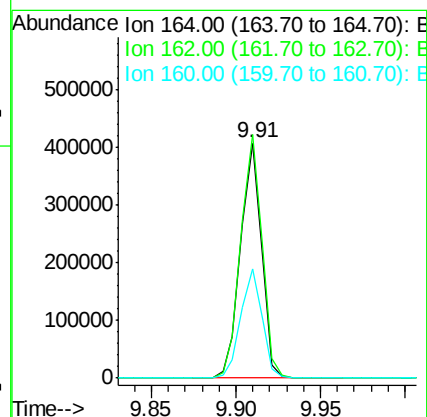
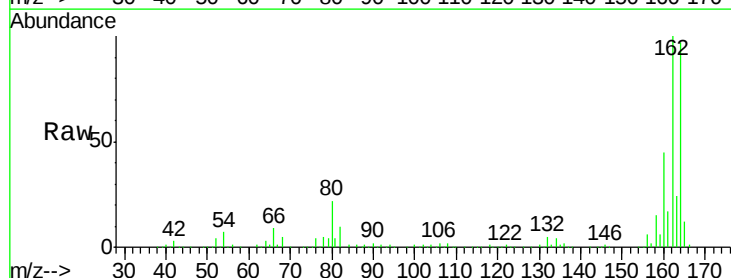
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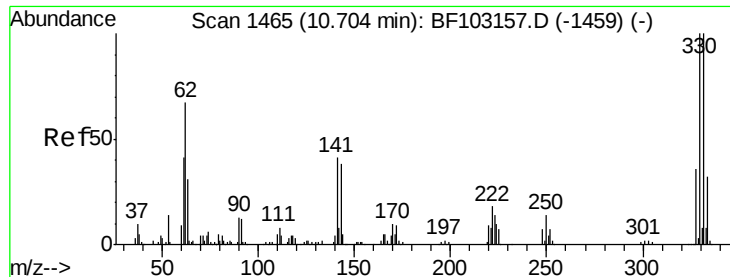
Tgt Ion:113 Resp: 17314
 Ion Ratio Lower Upper
 113 100
 55 204.9 163.3 203.3#
 56 158.2 115.7 155.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103187.D
 Acq: 23 Feb 2018 9:46

Tgt Ion:164 Resp: 350258
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 46.5 38.3 57.5

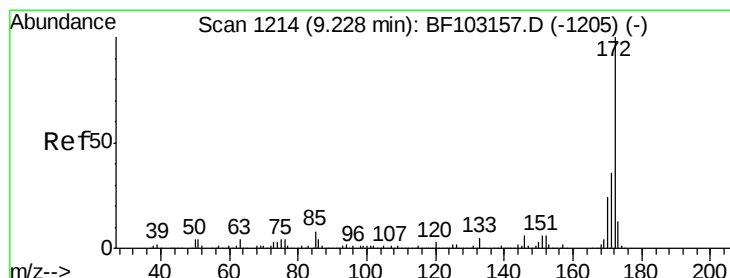
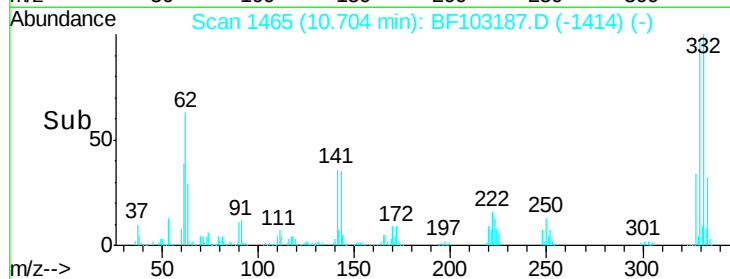
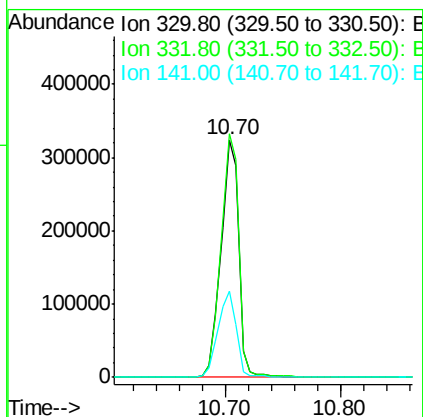
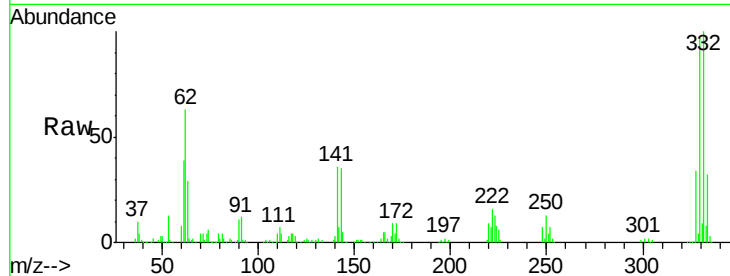




#41
 2,4,6-Tribromophenol
 Concen: 117.235 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103187.D
 Acq: 23 Feb 2018 9:46

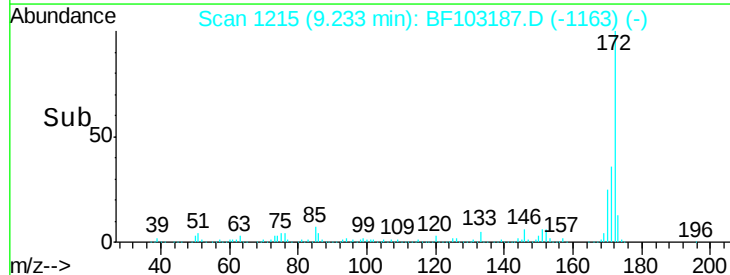
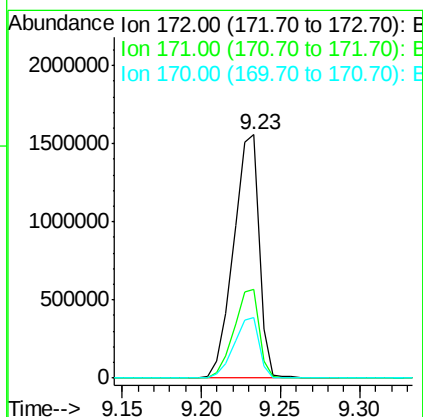
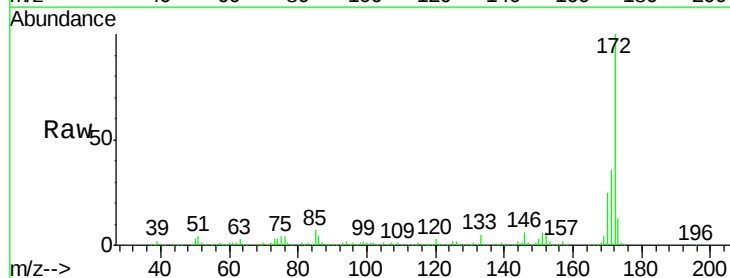
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

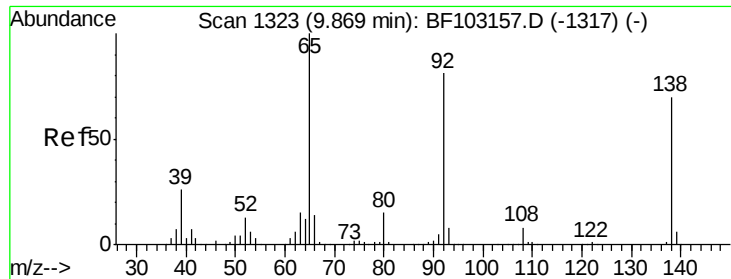
Tgt Ion:330 Resp: 347572
 Ion Ratio Lower Upper
 330 100
 332 103.4 77.0 115.6
 141 37.4 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 86.068 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103187.D
 Acq: 23 Feb 2018 9:46

Tgt Ion:172 Resp: 1745059
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.7 19.6 29.4

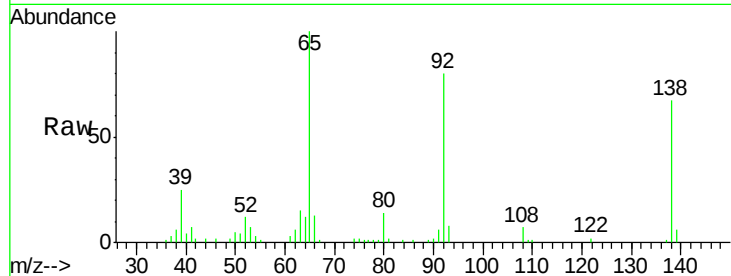




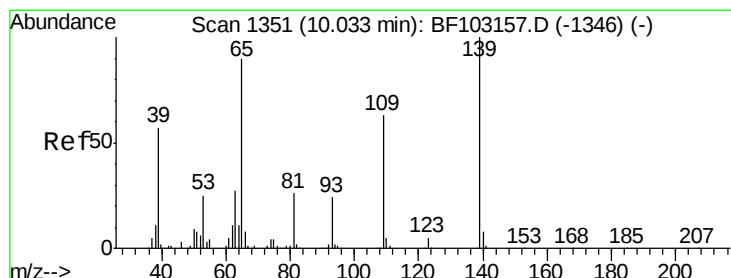
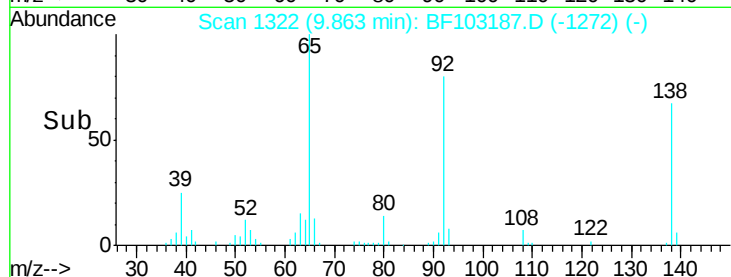
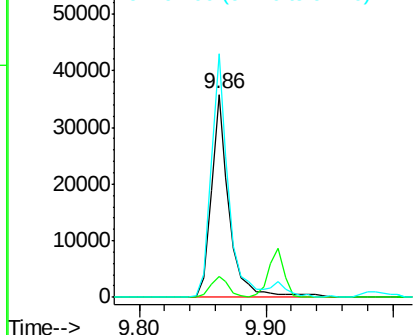
#52
3-Nitroaniline
Concen: 4.716 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:138 Resp: 35282
Ion Ratio Lower Upper
138 100
108 10.0 9.4 14.0
92 120.1 89.4 134.2

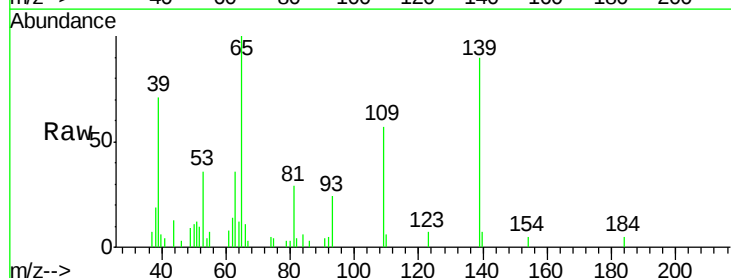


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

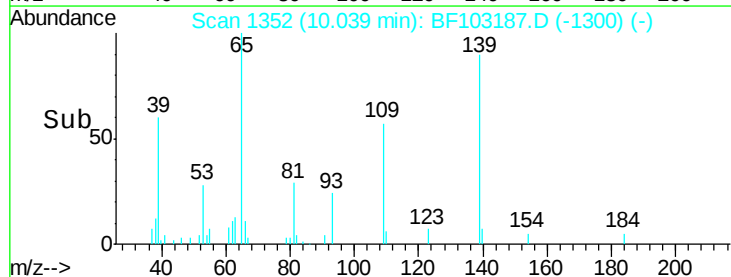
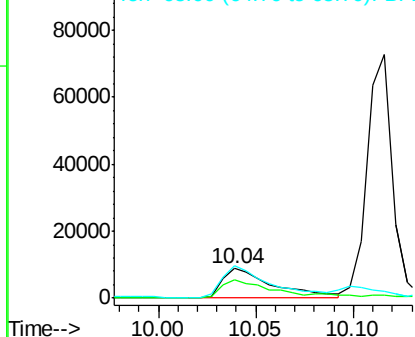


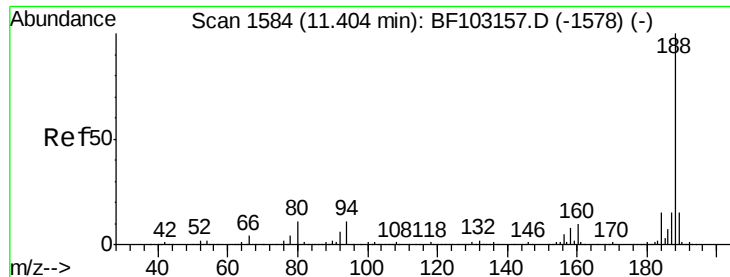
#55
4-Nitrophenol
Concen: 3.449 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Tgt Ion:139 Resp: 15993
Ion Ratio Lower Upper
139 100
109 63.6 48.4 88.4
65 110.9 72.6 112.6



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): BF1

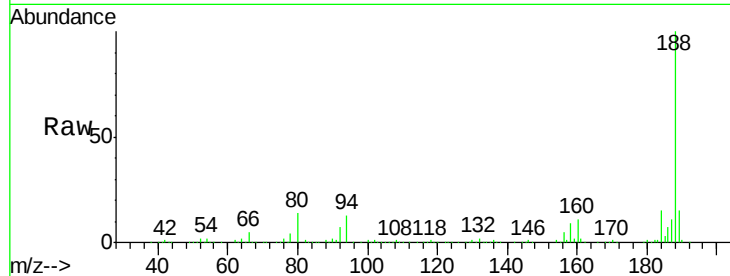




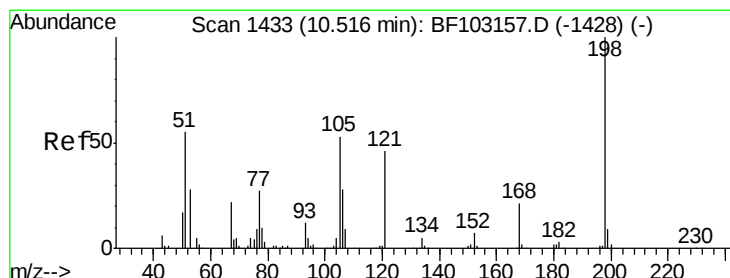
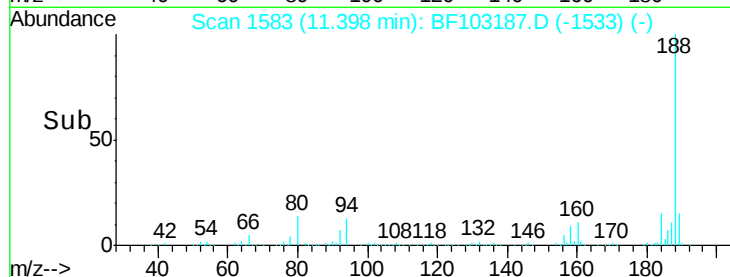
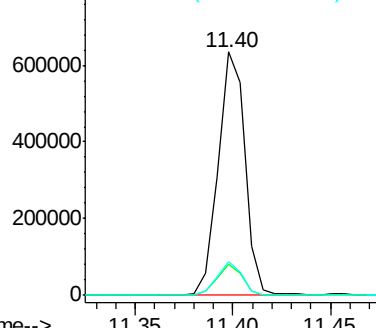
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Instrument :
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ClientSampleId :
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Tgt Ion:188 Resp: 606269
Ion Ratio Lower Upper
188 100
94 12.7 8.5 12.7
80 13.6 9.2 13.8

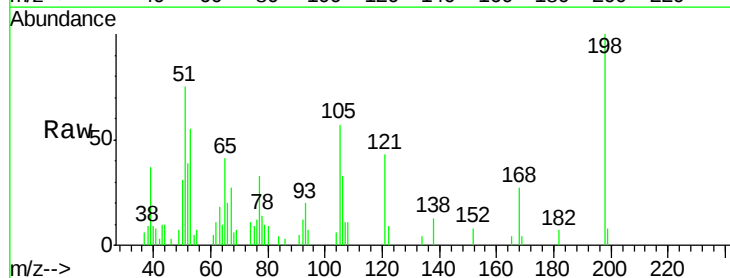


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

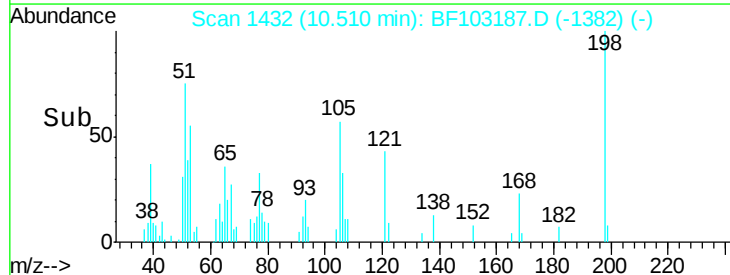
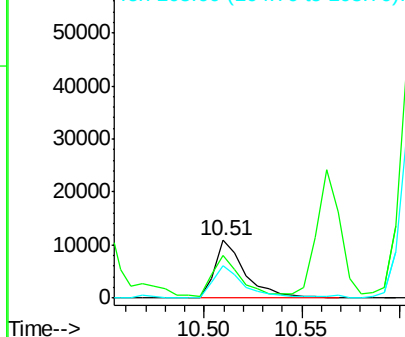


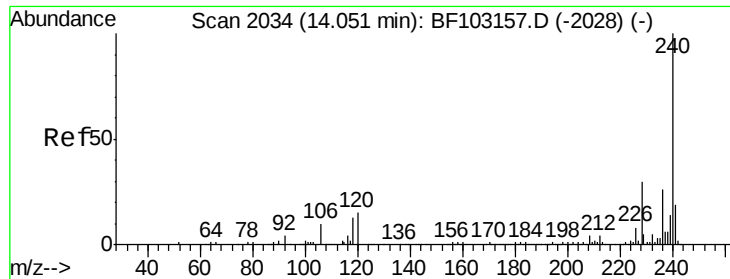
#64
4,6-Dinitro-2-methylphenol
Concen: 7.782 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Tgt Ion:198 Resp: 11666
Ion Ratio Lower Upper
198 100
51 74.8 37.7 77.7
105 57.3 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

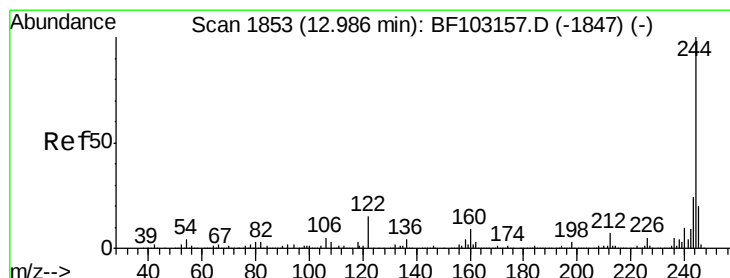
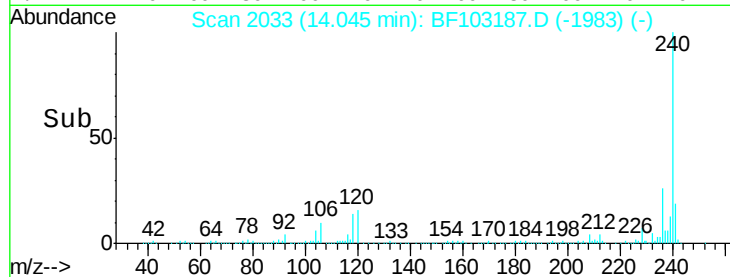
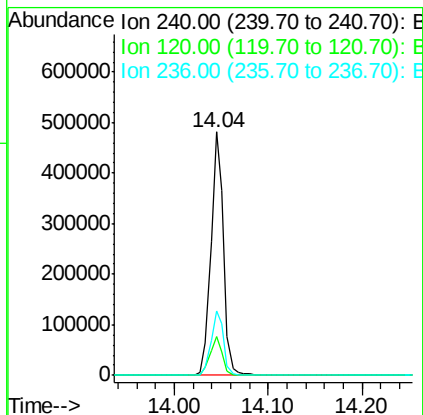
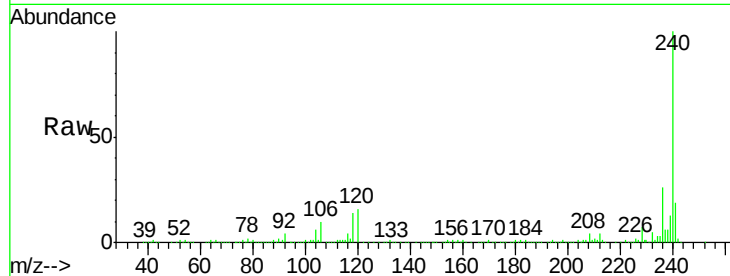




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

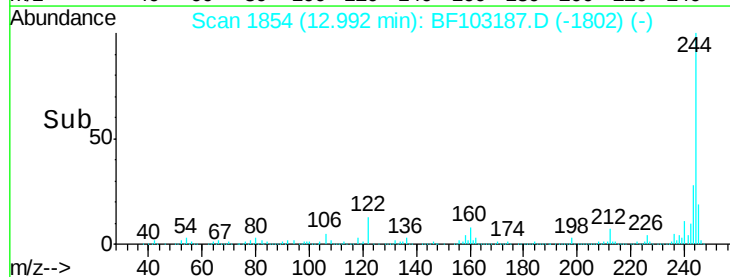
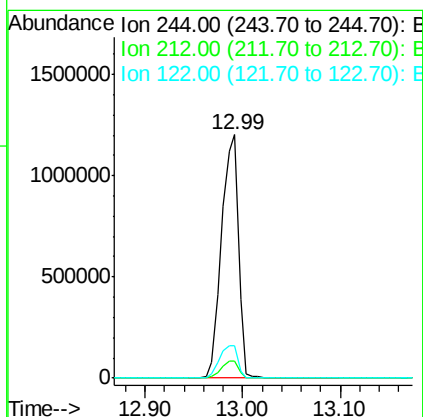
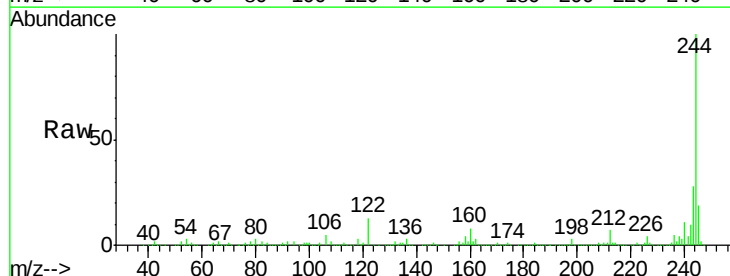
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

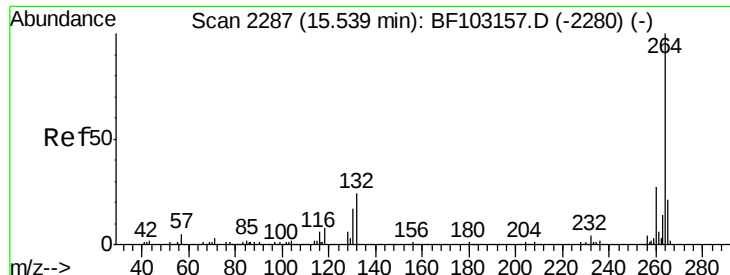
Tgt Ion:240 Resp: 457568
Ion Ratio Lower Upper
240 100
120 15.7 9.5 14.3#
236 26.5 20.7 31.1



#78
Terphenyl-d14
Concen: 76.368 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Tgt Ion:244 Resp: 1453633
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 13.1 11.0 16.4

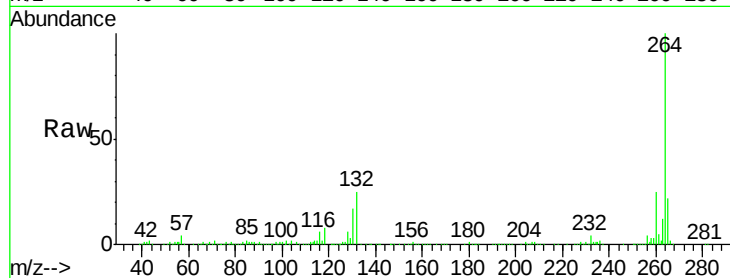




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BF103187.D
Acq: 23 Feb 2018 9:46

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 264 Resp: 448750
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 21.5 17.5 26.3



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

