

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103188.D
 Acq On : 23 Feb 2018 10:13
 Operator : SJ/JU
 Sample : J1161-01
 Misc : LOD-S-8ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 23 10:52:56 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

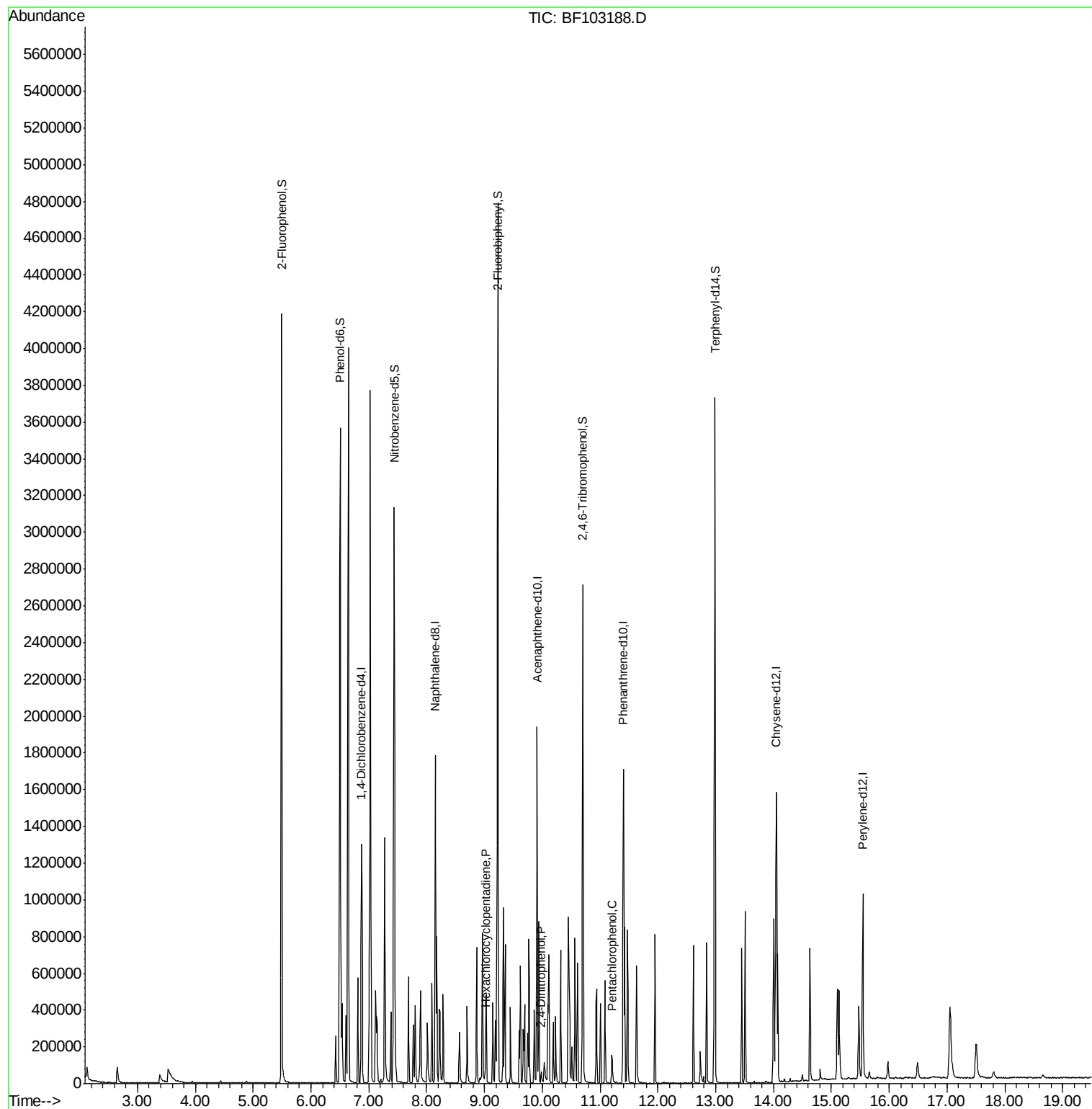
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	177636	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	771923	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	361498	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	621081	20.00	ng	0.00
75) Chrysene-d12	14.04	240	452467	20.00	ng	0.00
86) Perylene-d12	15.54	264	446593	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1310726	111.60	ng	0.00
7) Phenol-d6	6.50	99	1582526	110.11	ng	0.00
23) Nitrobenzene-d5	7.44	82	1192949	88.26	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	341714	111.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1763495	83.72	ng	0.00
78) Terphenyl-d14	12.99	244	1426638	75.79	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	9.02	237	8251	10.987	ng	96
53) 2,4-Dinitrophenol	9.98	184	8900	13.183	ng	# 21
69) Pentachlorophenol	11.20	266	21247	6.258	ng	98

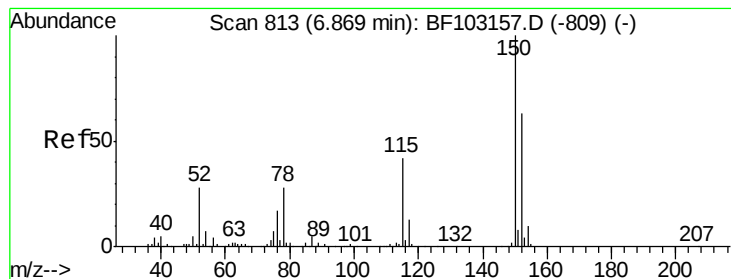
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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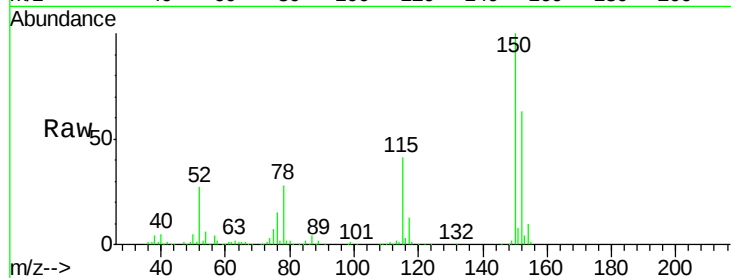


#1

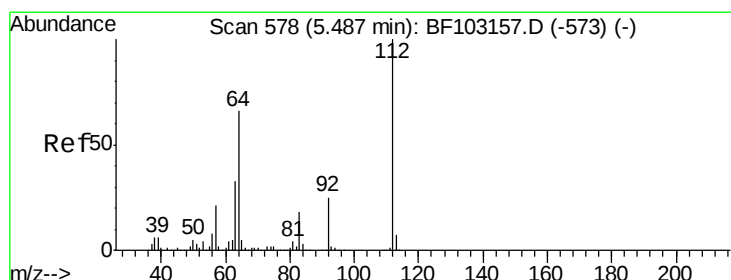
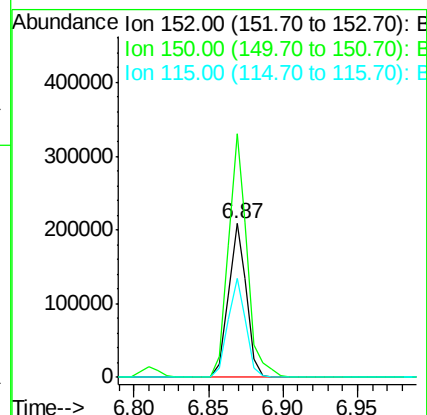
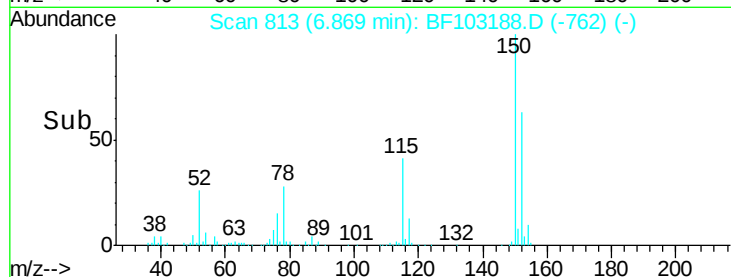
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

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

Tgt Ion:152 Resp: 177636
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 64.6 50.1 75.1



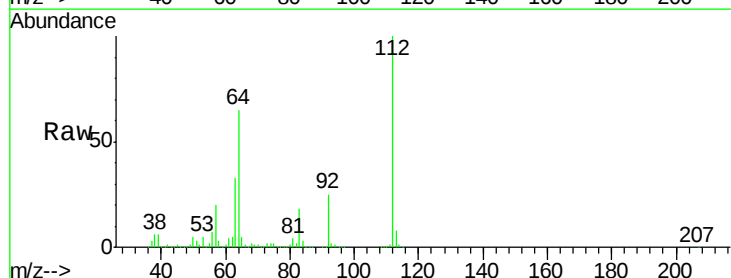
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



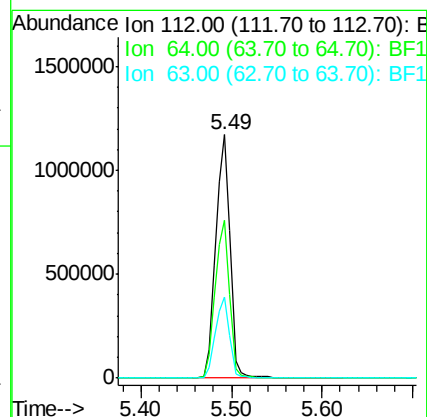
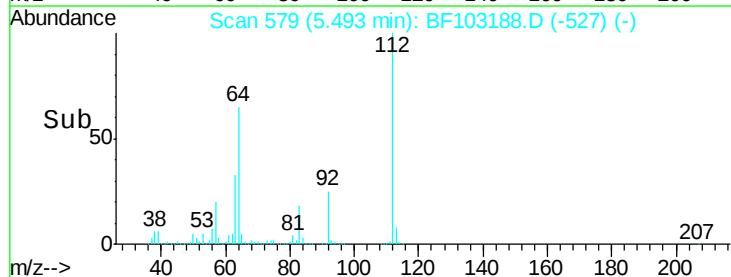
#5

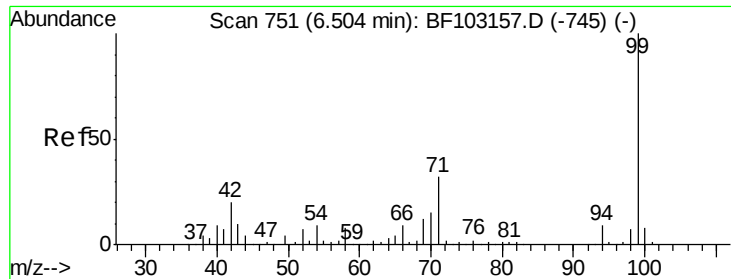
2-Fluorophenol
Concen: 111.598 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

Tgt Ion:112 Resp: 1310726
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 33.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 110.113 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

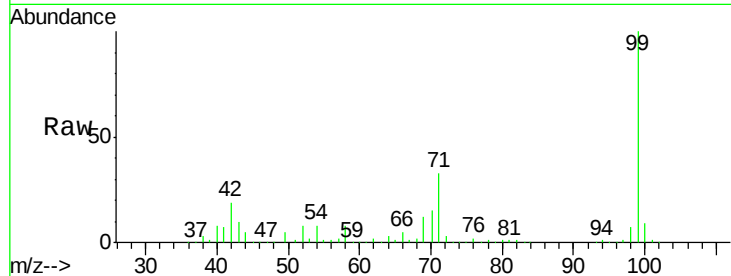
Tgt Ion: 99 Resp: 1582526

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

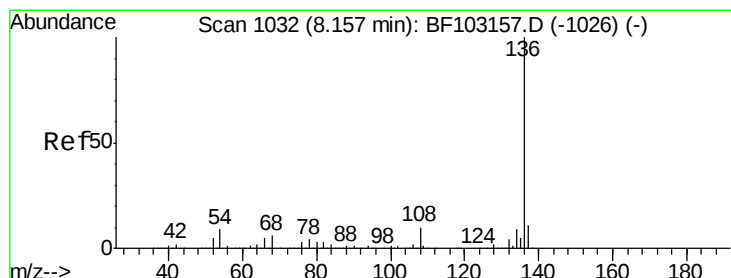
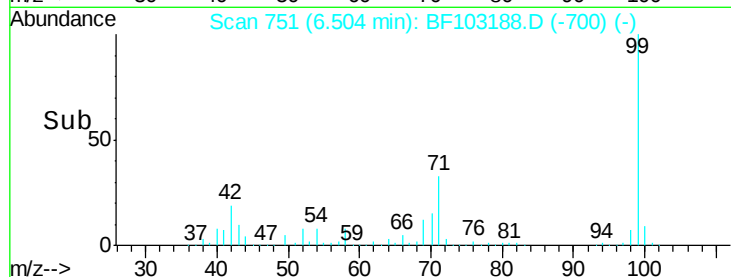
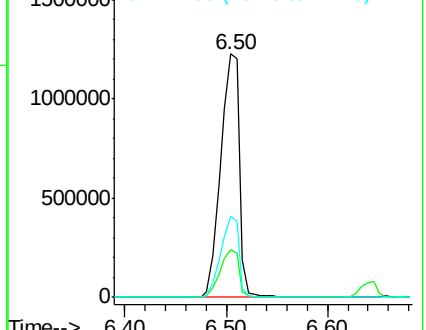
71 33.1 25.4 38.0



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: BF103188.D

Acq: 23 Feb 2018 10:13

Tgt Ion: 136 Resp: 771923

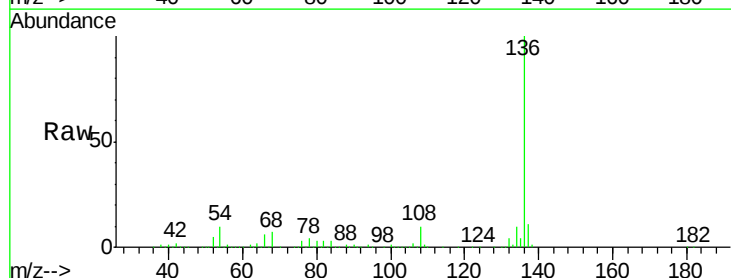
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.0 6.6 9.8#

68 6.9 5.0 7.4

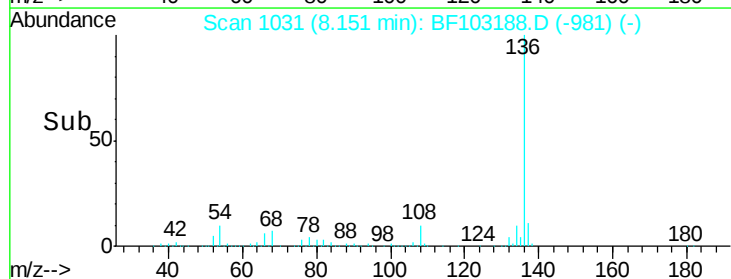
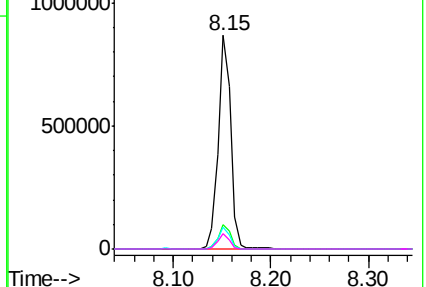


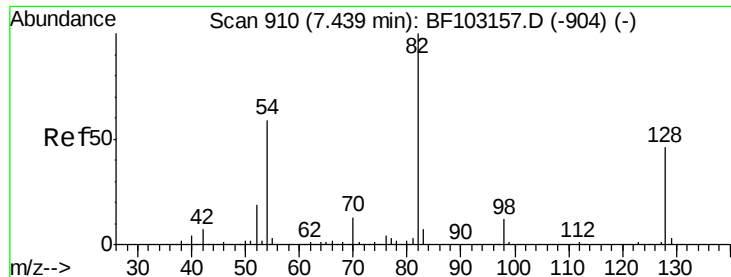
Abundance Ion 136.00 (135.70 to 136.70): E

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

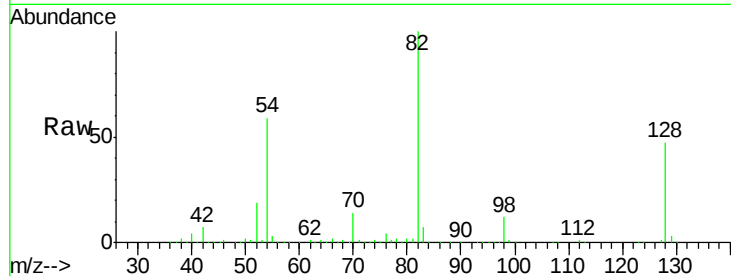




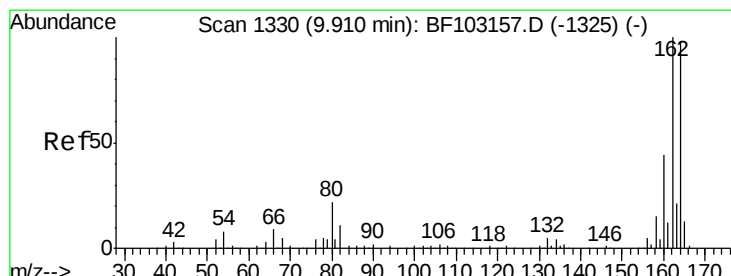
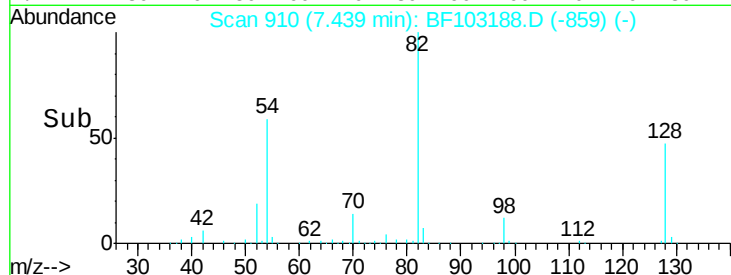
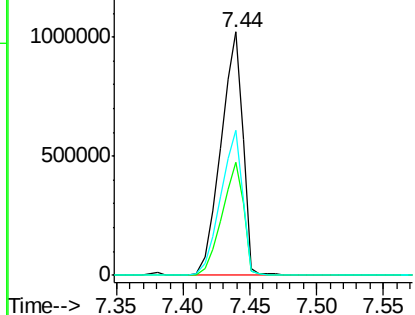
#23
Nitrobenzene-d5
Concen: 88.257 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

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

Tgt Ion: 82 Resp: 1192949
Ion Ratio Lower Upper
82 100
128 46.6 36.1 54.1
54 59.4 41.4 62.2

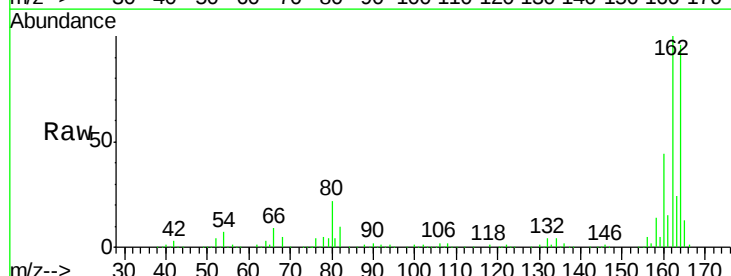


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

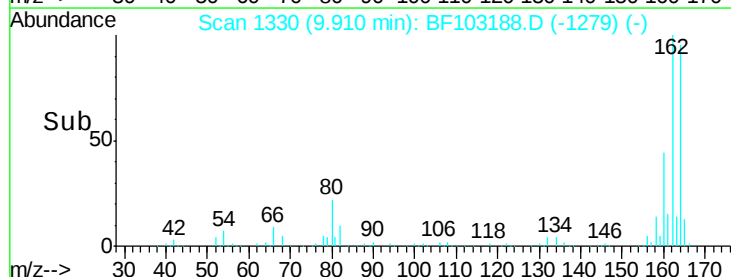
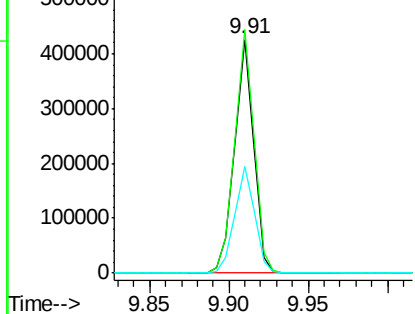


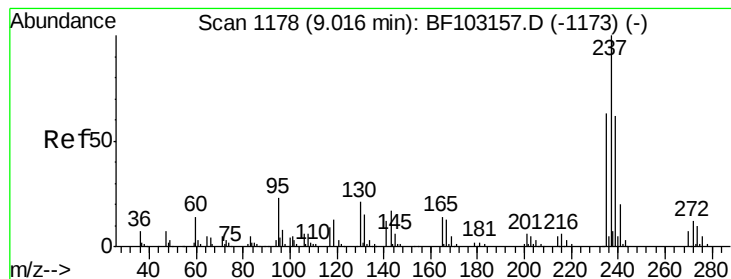
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

Tgt Ion: 164 Resp: 361498
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 45.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#40

Hexachlorocyclopentadiene

Concen: 10.987 ng

RT: 9.02 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

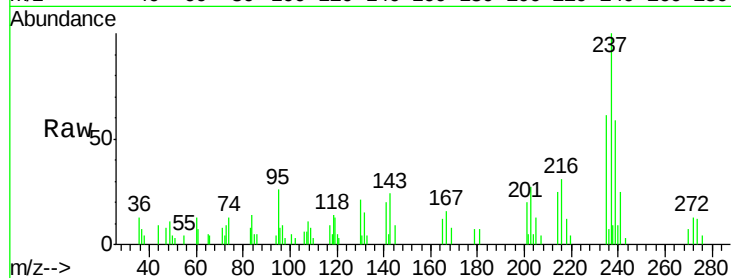
Tgt Ion:237 Resp: 8251

Ion Ratio Lower Upper

237 100

235 61.3 44.8 84.8

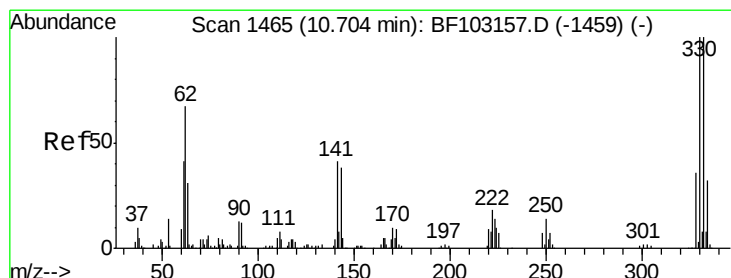
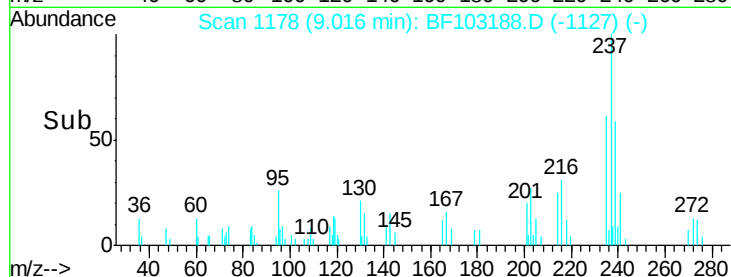
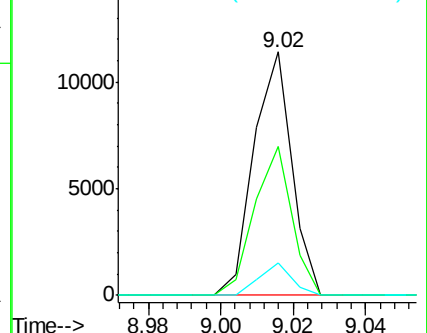
272 13.4 0.0 33.3



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: 111.676 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

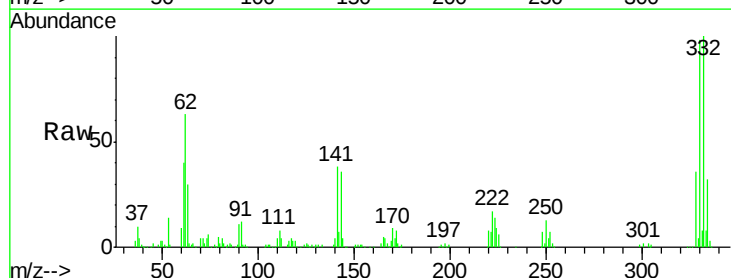
Tgt Ion:330 Resp: 341714

Ion Ratio Lower Upper

330 100

332 103.0 77.0 115.6

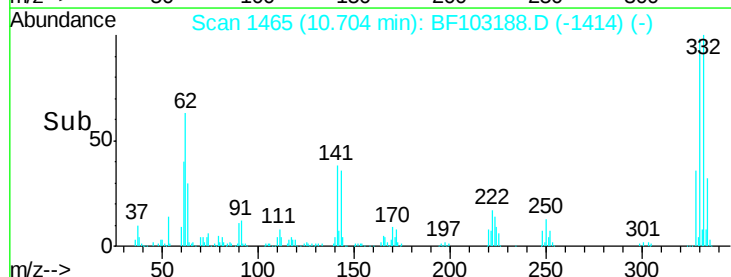
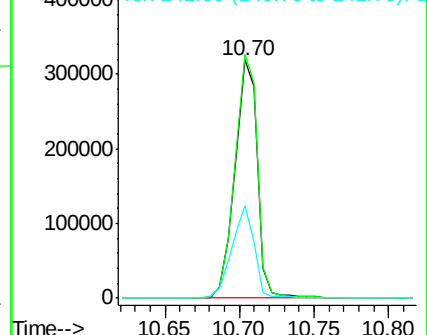
141 38.8 29.9 44.9

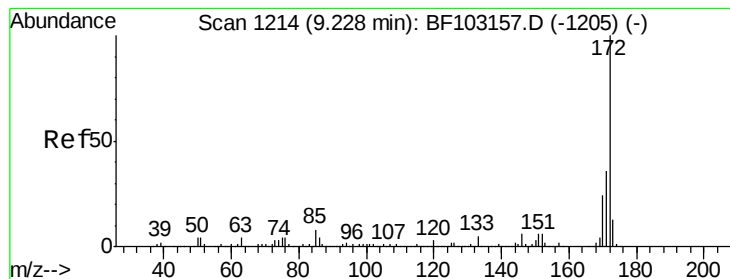


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 83.724 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.01 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

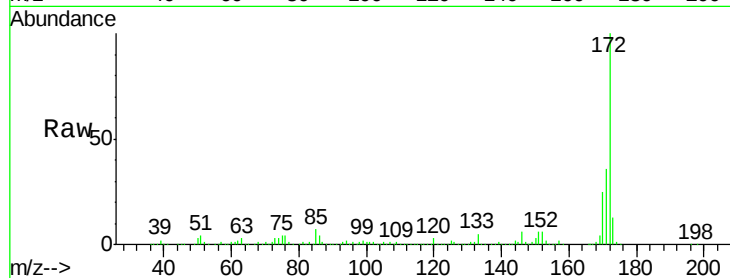
Tgt Ion:172 Resp: 1763495

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

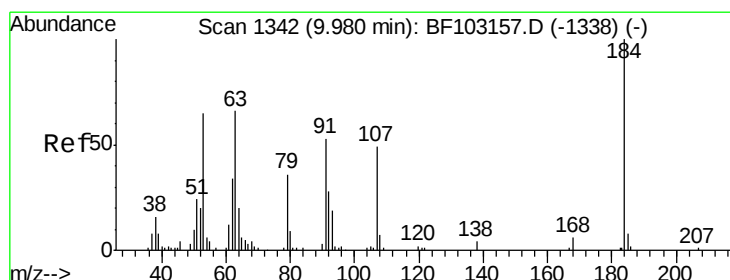
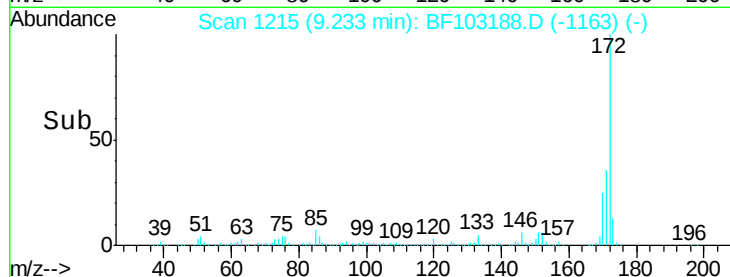
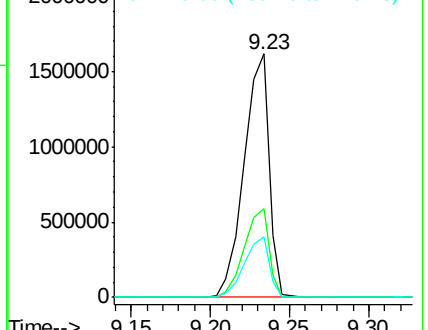
170 24.7 19.6 29.4



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



#53

2,4-Dinitrophenol

Concen: 13.183 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

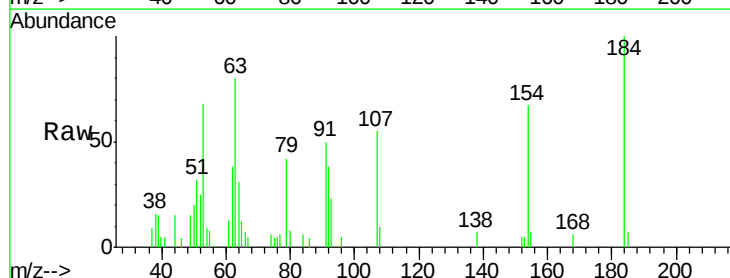
Tgt Ion:184 Resp: 8900

Ion Ratio Lower Upper

184 100

63 79.6 54.2 81.2

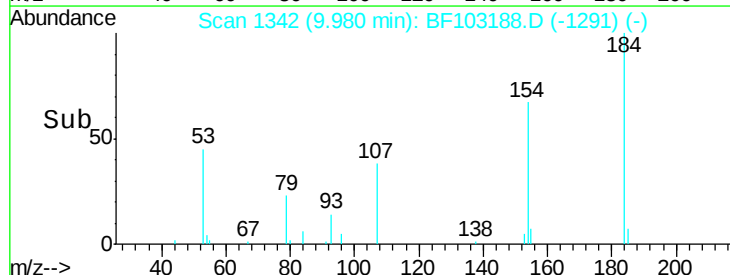
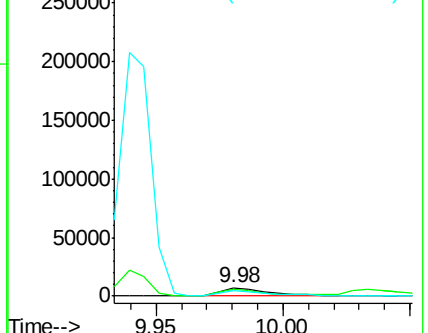
154 67.5 184.0 276.0#

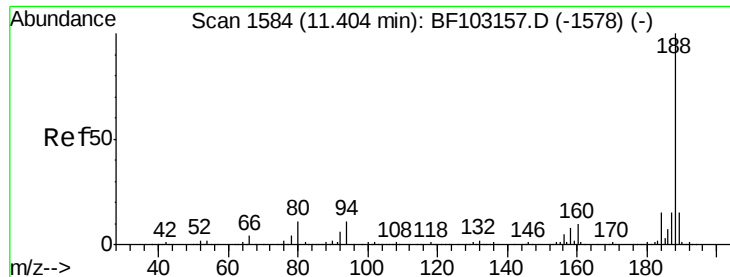


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

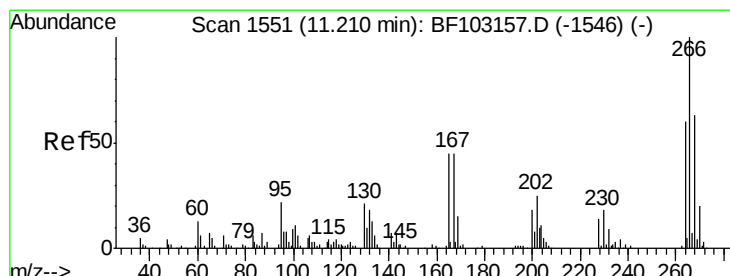
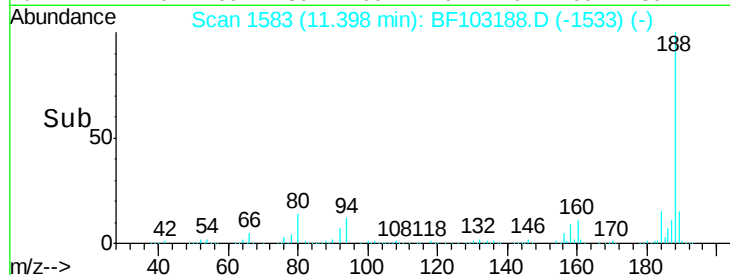
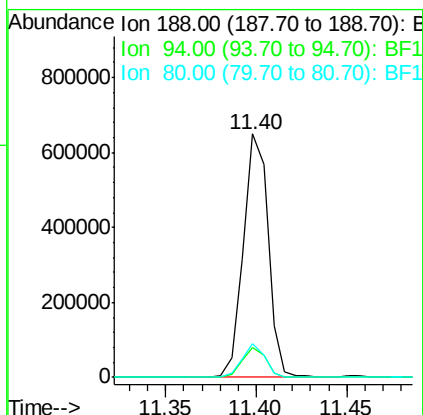
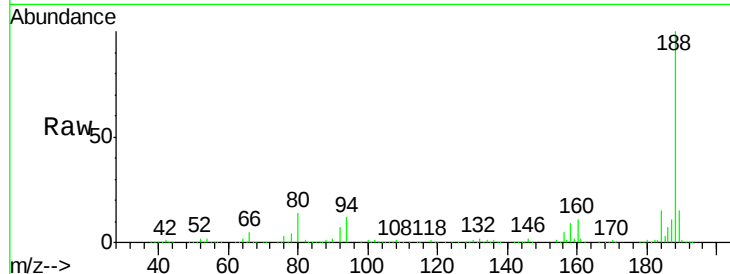




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

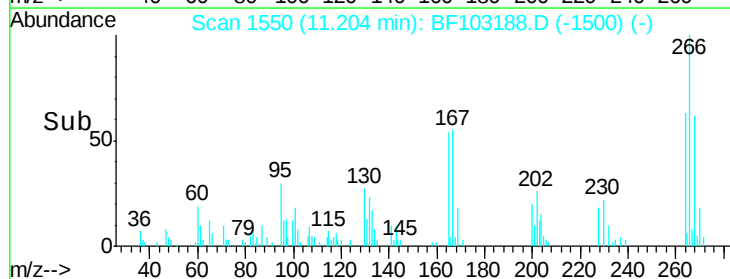
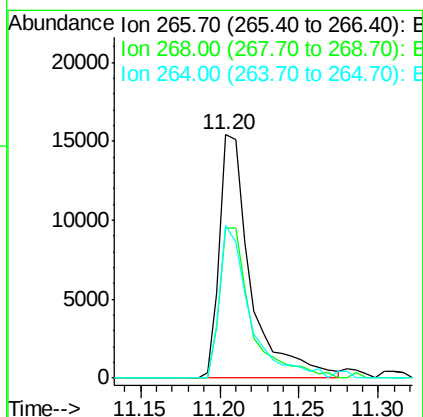
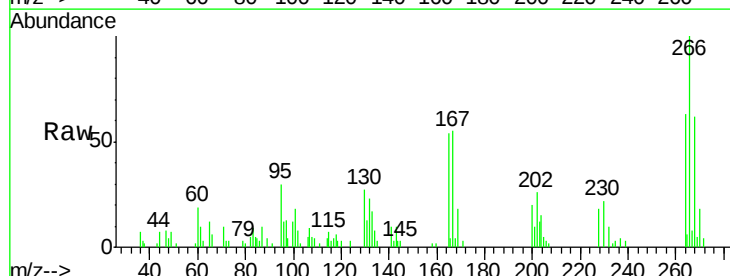
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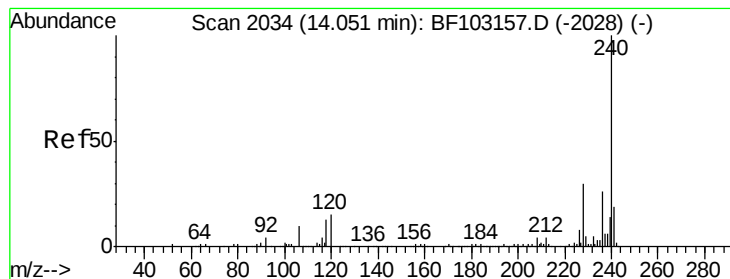
Tgt Ion:188 Resp: 621081
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 13.7 9.2 13.8



#69
Pentachlorophenol
Concen: 6.258 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

Tgt Ion:266 Resp: 21247
Ion Ratio Lower Upper
266 100
268 61.5 51.1 76.7
264 62.9 49.5 74.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

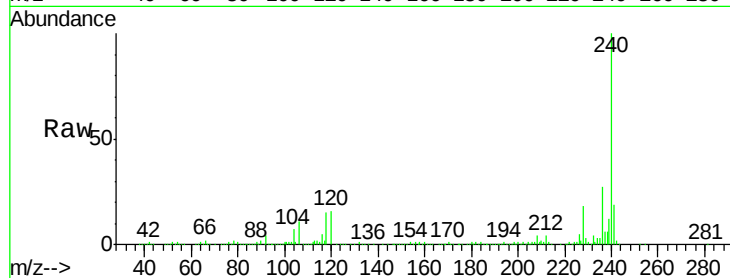
Tgt Ion:240 Resp: 452467

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

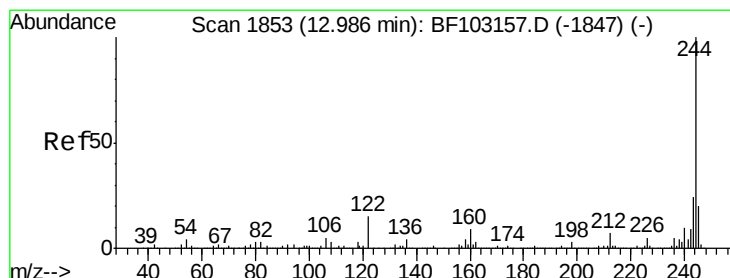
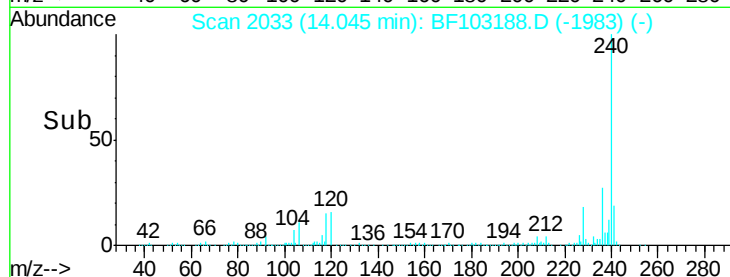
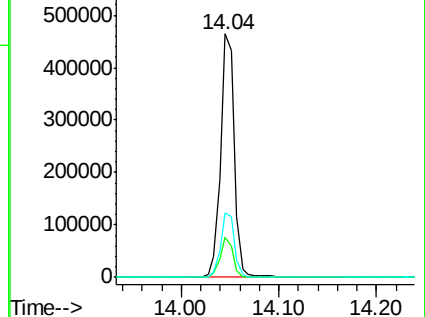
236 26.7 20.7 31.1



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



#78

Terphenyl-d14

Concen: 75.794 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103188.D

Acq: 23 Feb 2018 10:13

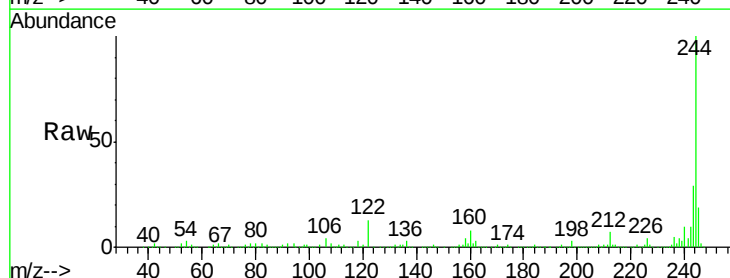
Tgt Ion:244 Resp: 1426638

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

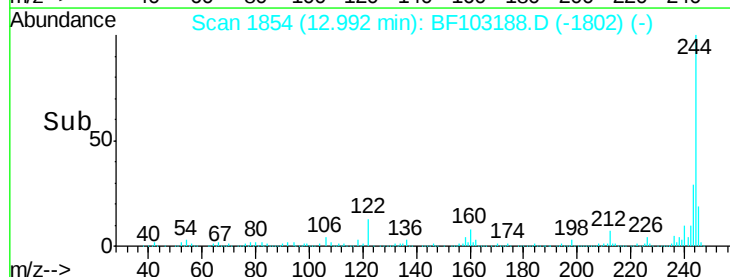
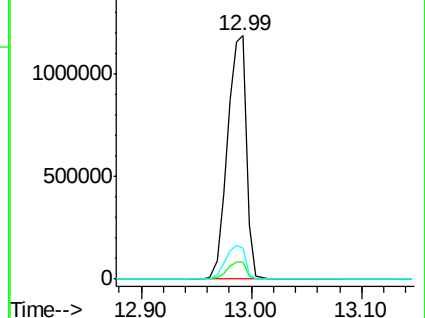
122 12.6 11.0 16.4

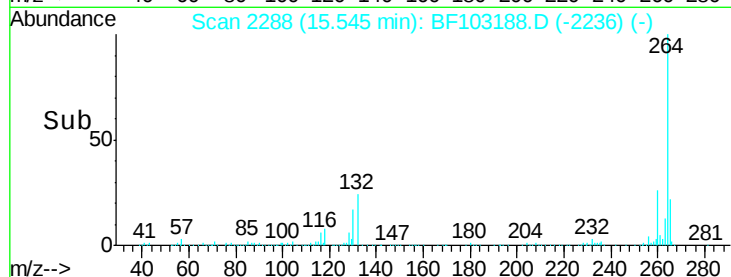
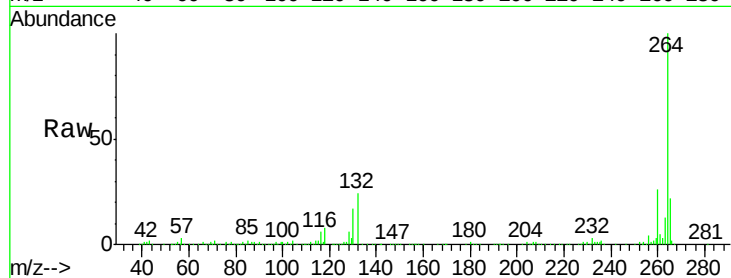
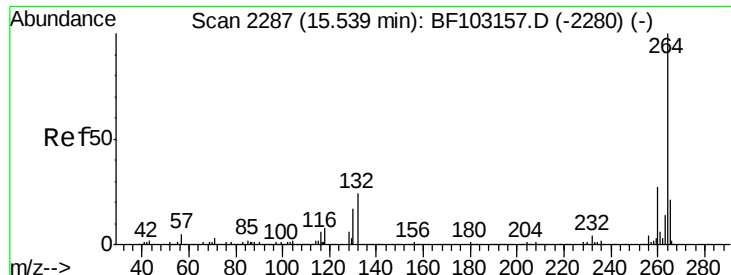


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF103188.D
Acq: 23 Feb 2018 10:13

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	21.8	17.5	26.3

