

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080918\
 Data File : BF108058.D
 Acq On : 9 Aug 2018 17:50
 Operator : JU/SJ
 Sample : J4355-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL

Quant Time: Aug 10 01:09:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

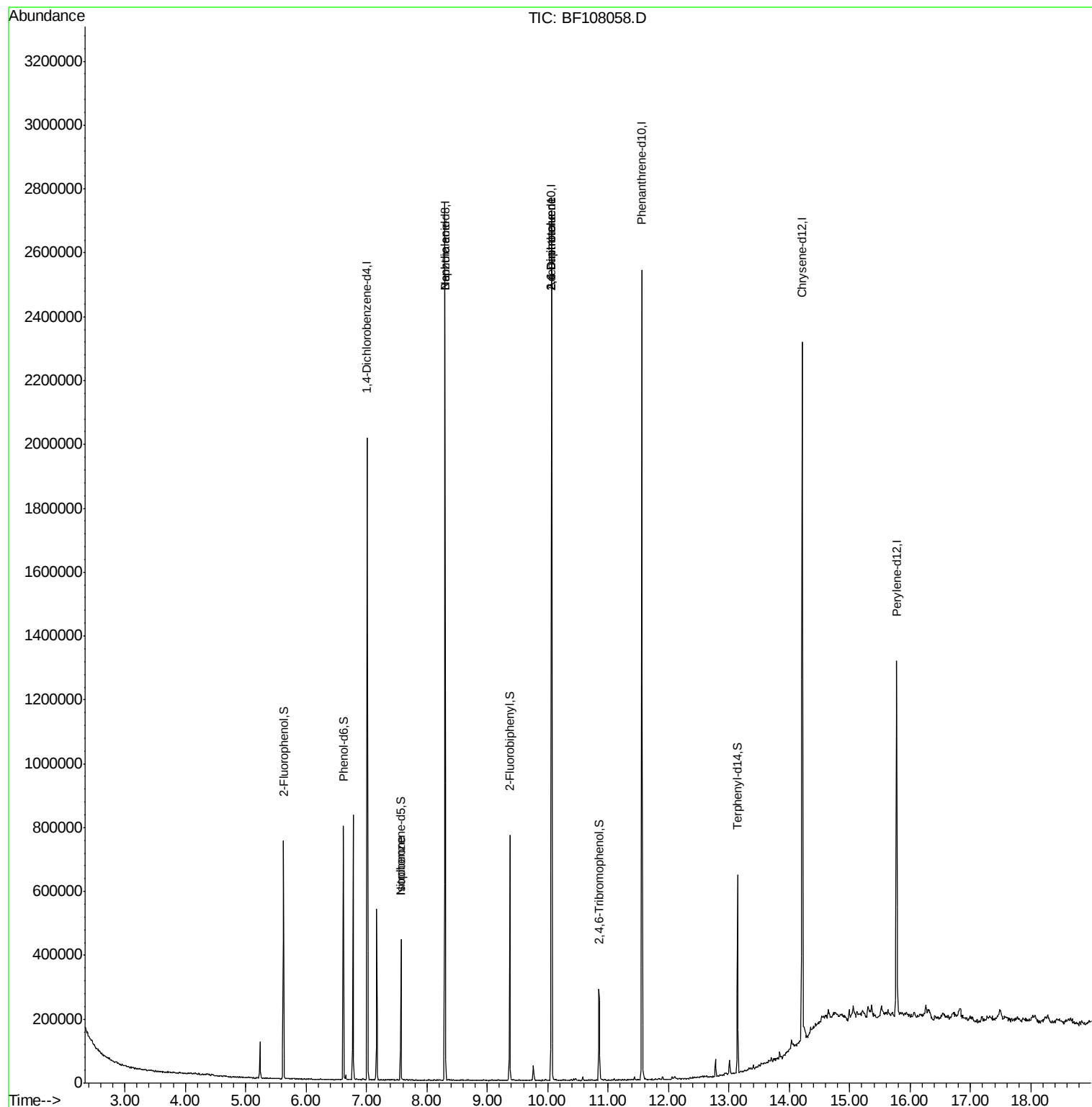
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	284075	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1094523	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	506661	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	846310	20.00	ng	0.00
75) Chrysene-d12	14.21	240	746880	20.00	ng	0.00
86) Perylene-d12	15.78	264	545384	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	161497	10.29	ng	0.00
7) Phenol-d6	6.62	99	224750	10.78	ng	-0.01
23) Nitrobenzene-d5	7.57	82	122767	6.26	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	33587	6.65	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	205611	6.52	ng	0.00
78) Terphenyl-d14	13.14	244	207749	7.07	ng	0.00
Target Compounds						
25) Isophorone	7.57	82	122764	3.284	ng	# 64
32) Benzoic acid	8.30	122	133	5.987	ng	# 1
50) 2,6-Dinitrotoluene	10.07	165	64316	8.710	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	64316	6.767	ng	# 24

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

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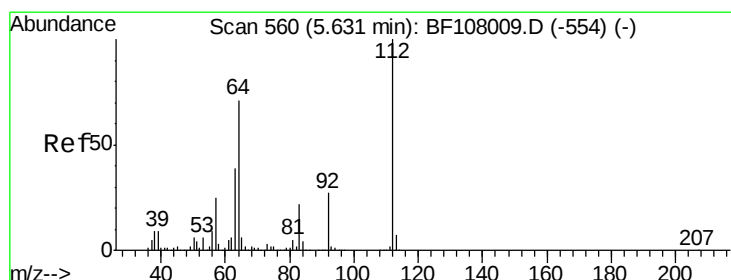
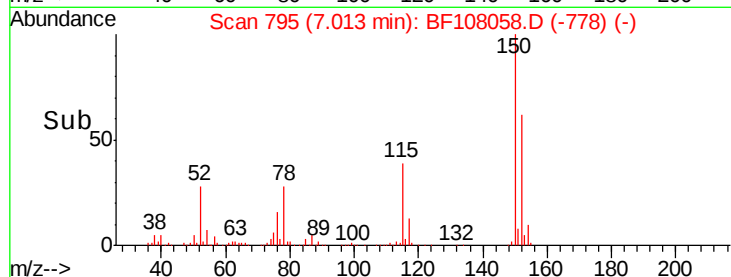
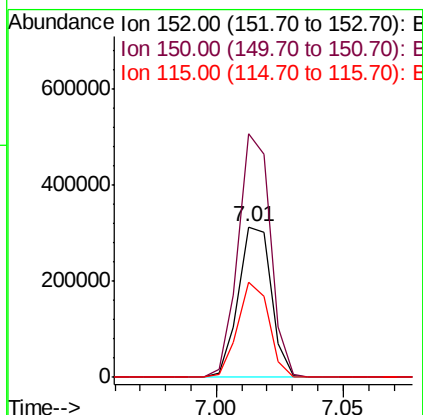
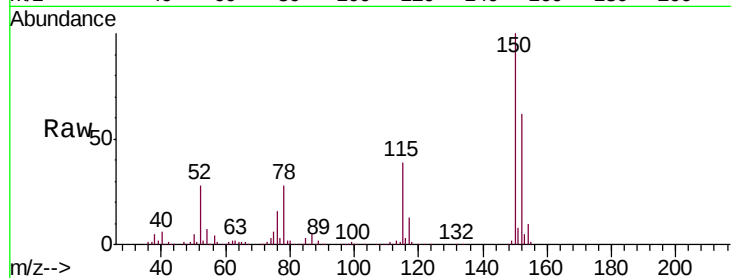


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108058.D
Acq: 9 Aug 2018 17:50

Instrument :
BNA_F
ClientSampleId :
WC-SOIL

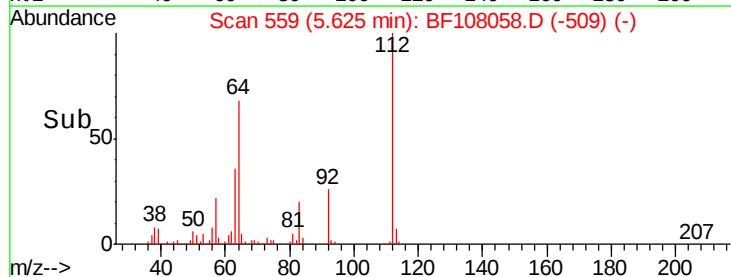
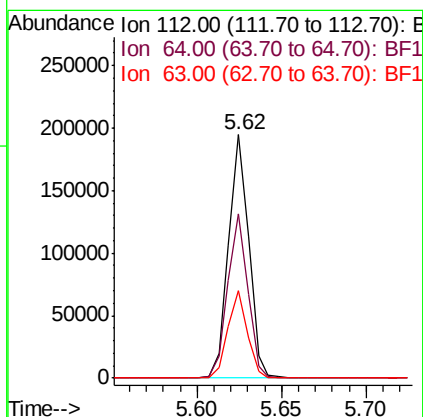
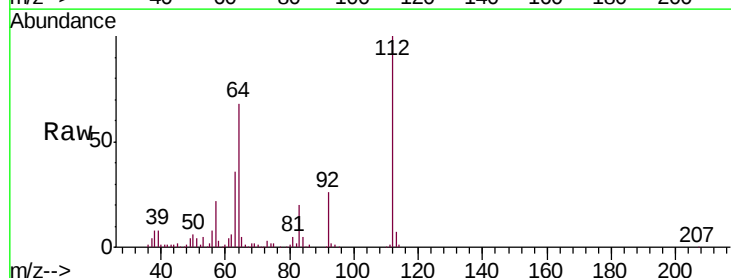
Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.6	186.8
115	63.2	50.1	75.1

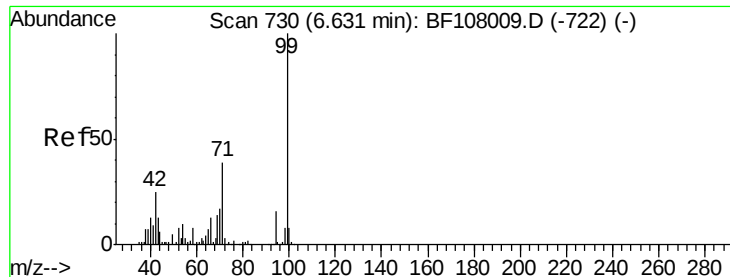


#5

2-Fluorophenol
Concen: 10.292 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108058.D
Acq: 9 Aug 2018 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	47.9	71.9
63	35.9	23.7	35.5





#7

Phenol-d6

Concen: 10.779 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108058.D

Acq: 9 Aug 2018 17:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL

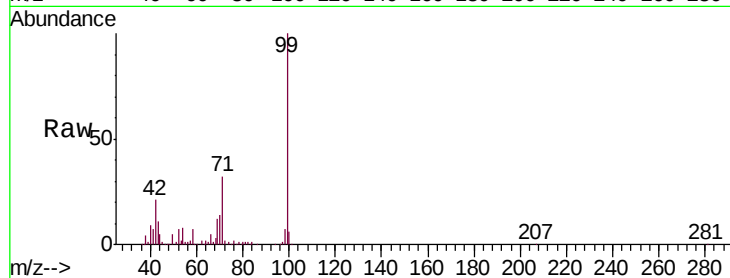
Tgt Ion: 99 Resp: 224750

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

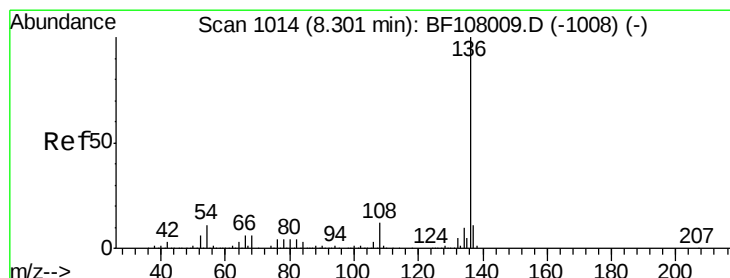
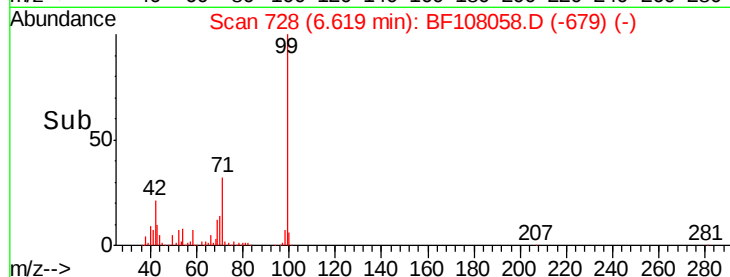
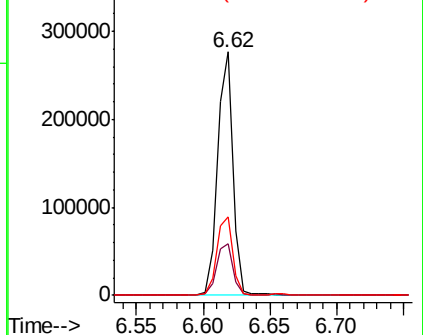
71 32.4 25.4 38.0



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: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108058.D

Acq: 9 Aug 2018 17:50

Tgt Ion: 136 Resp: 1094523

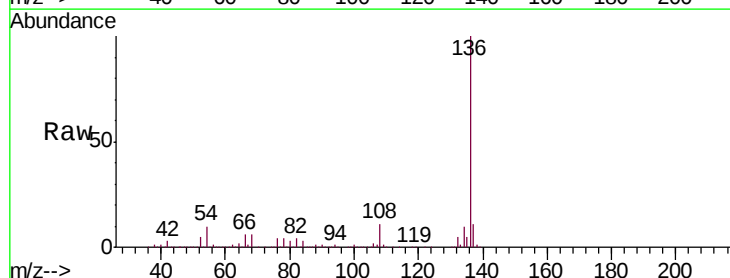
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.2 6.6 9.8#

68 6.2 5.0 7.4

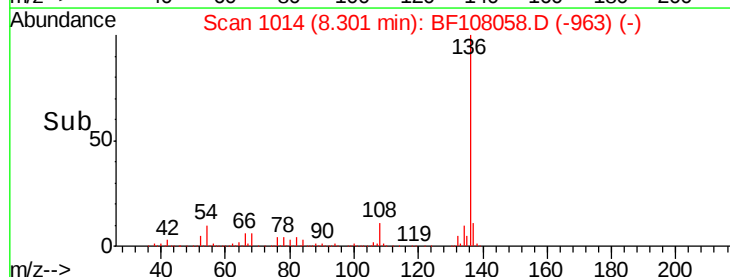
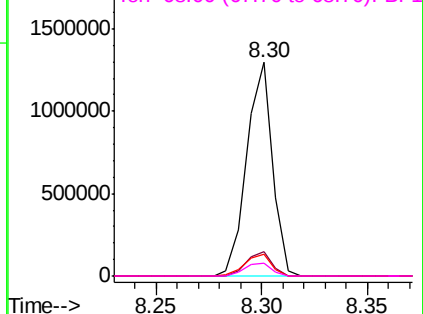


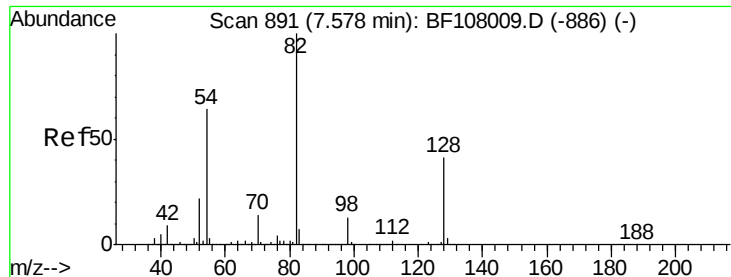
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.259 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108058.D

Acq: 9 Aug 2018 17:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL

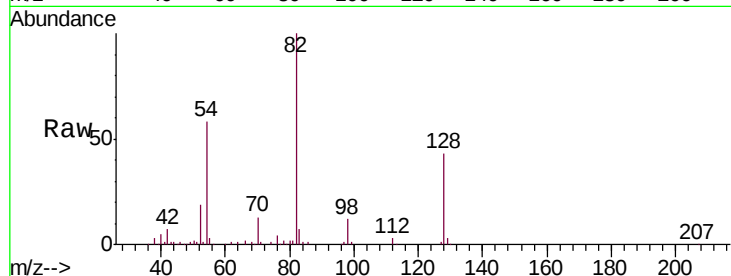
Tgt Ion: 82 Resp: 122767

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

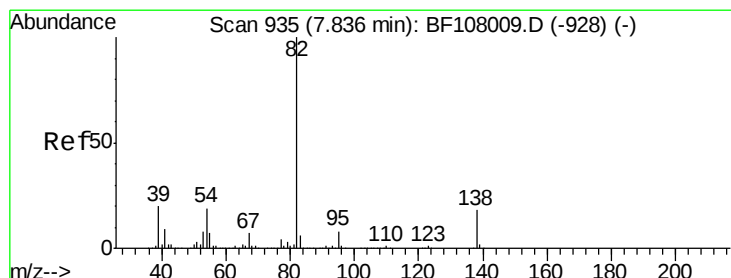
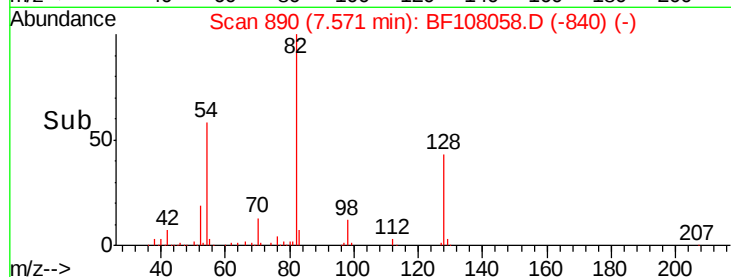
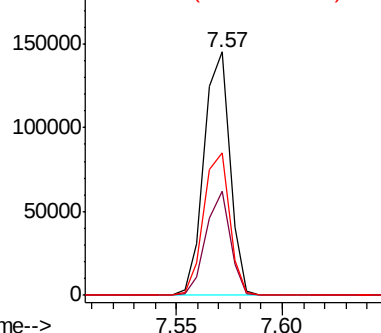
54 58.4 41.4 62.2



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



#25

Isophorone

Concen: 3.284 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108058.D

Acq: 9 Aug 2018 17:50

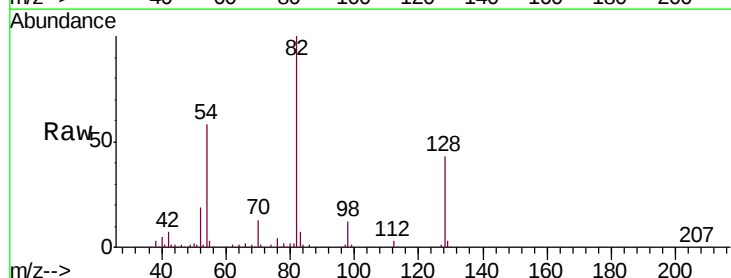
Tgt Ion: 82 Resp: 122764

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

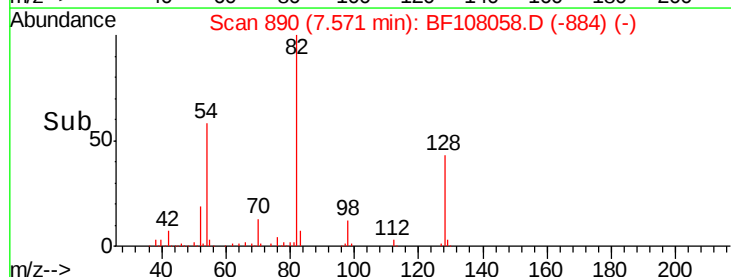
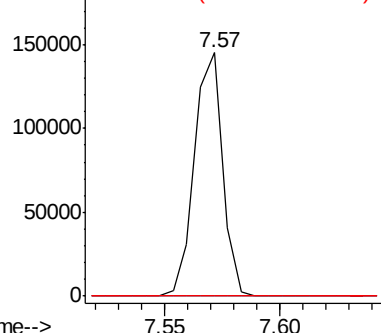
138 0.0 14.9 22.3#

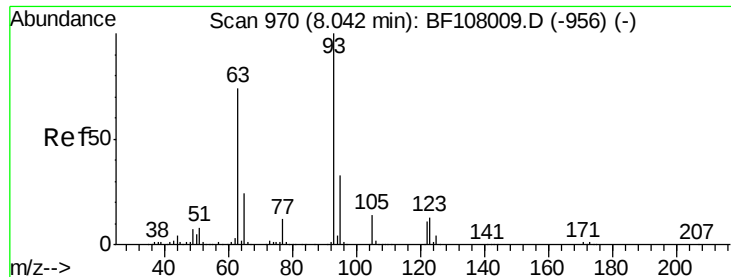


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

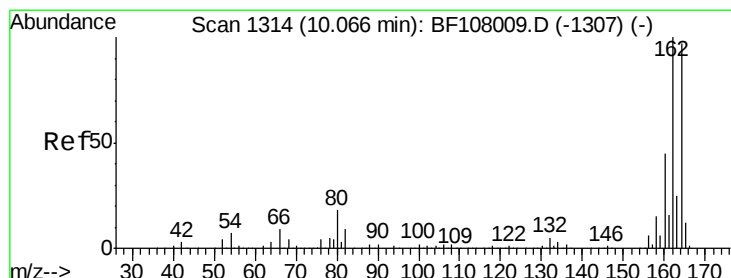
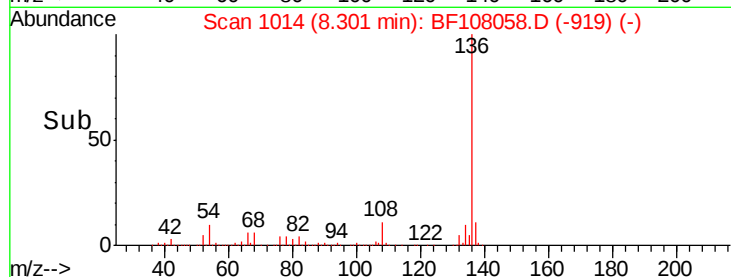
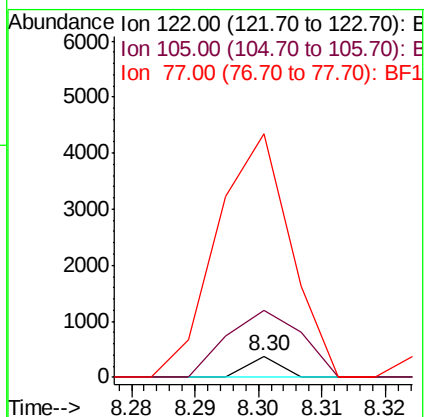
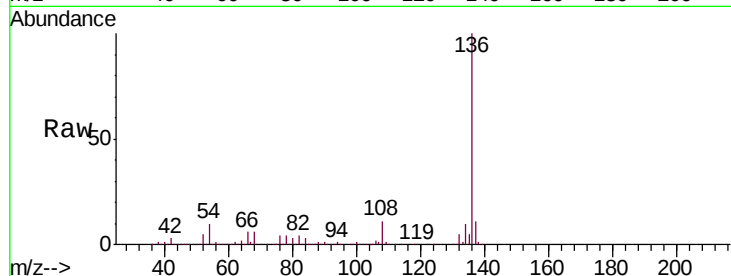




#32
Benzoic acid
Concen: 5.987 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.26 min
Lab File: BF108058.D
Acq: 9 Aug 2018 17:50

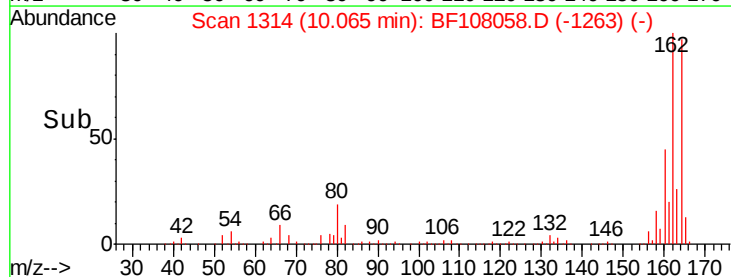
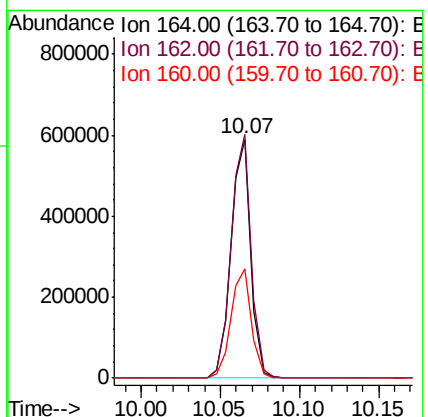
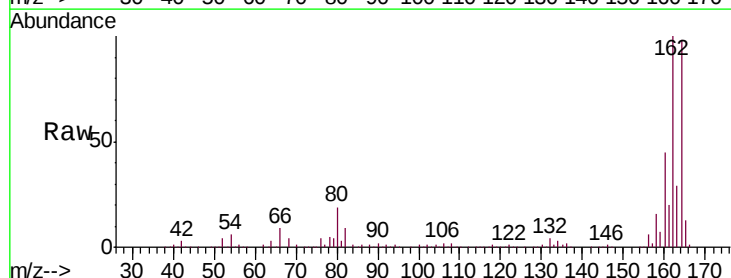
Instrument :
BNA_F
ClientSampleId :
WC-SOIL

Tgt Ion:122 Resp: 133
Ion Ratio Lower Upper
122 100
105 313.5 101.1 141.1#
77 1149.2 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BF108058.D
Acq: 9 Aug 2018 17:50

Tgt Ion:164 Resp: 506661
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 45.8 38.3 57.5

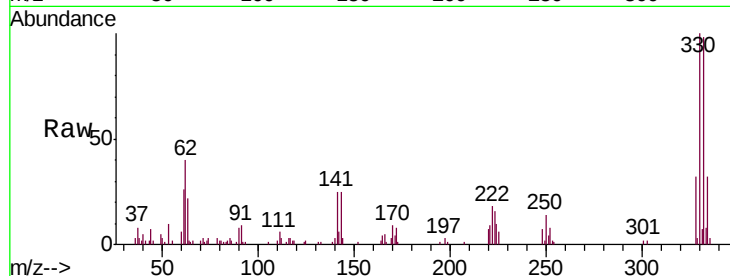




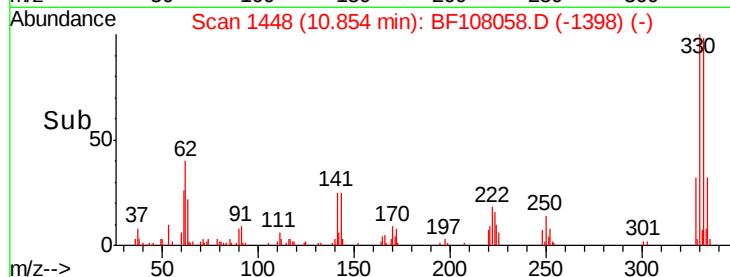
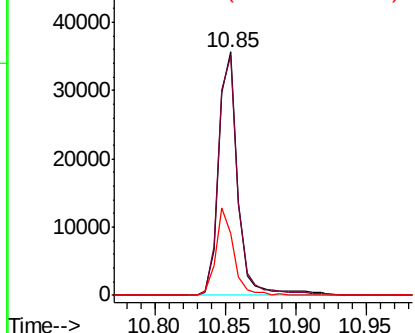
#41
 2,4,6-Tribromophenol
 Concen: 6.646 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108058.D
 Acq: 9 Aug 2018 17:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL

Tgt Ion:330 Resp: 33587
 Ion Ratio Lower Upper
 330 100
 332 100.3 77.0 115.6
 141 32.9 29.9 44.9

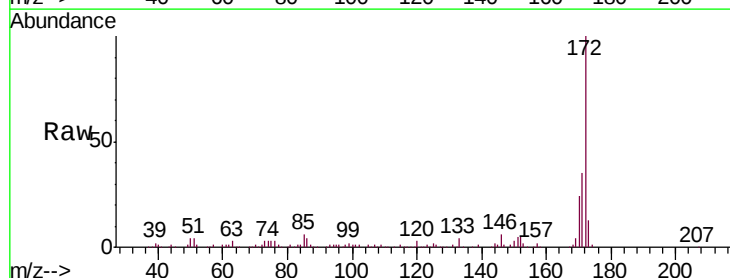


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

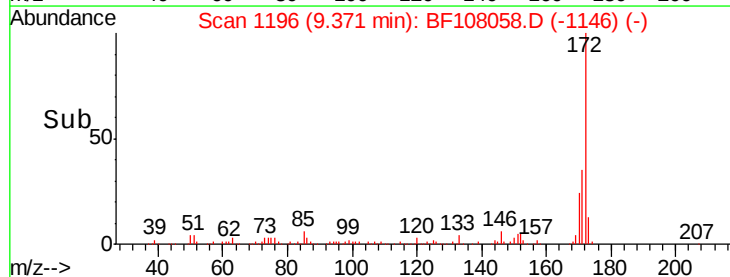
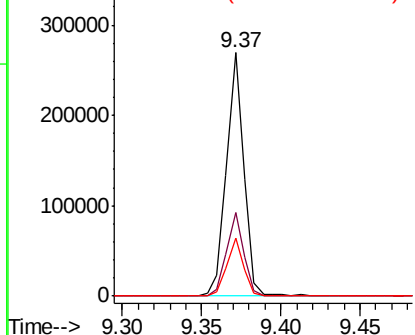


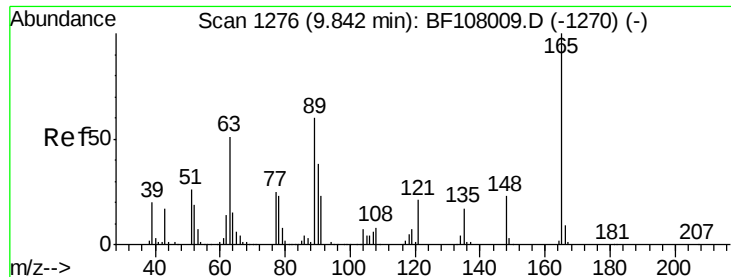
#44
 2-Fluorobiphenyl
 Concen: 6.515 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108058.D
 Acq: 9 Aug 2018 17:50

Tgt Ion:172 Resp: 205611
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 23.7 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

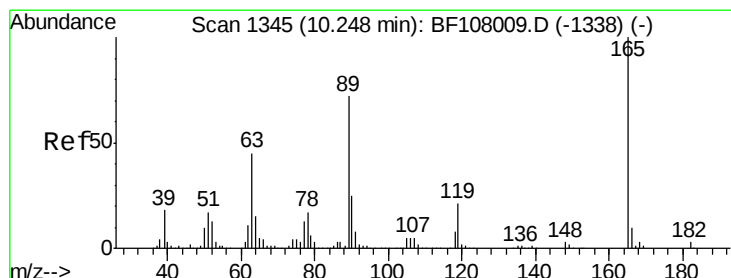
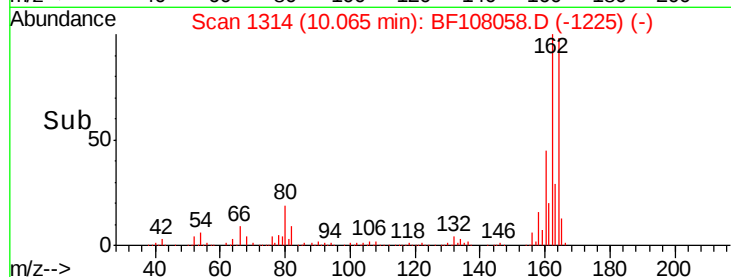
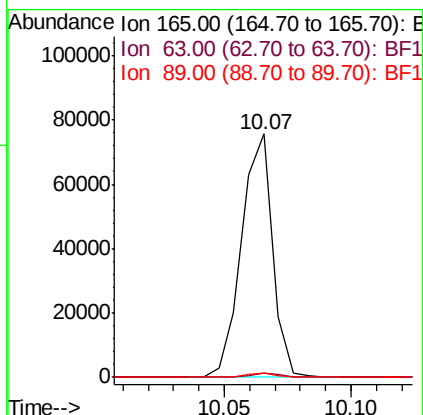
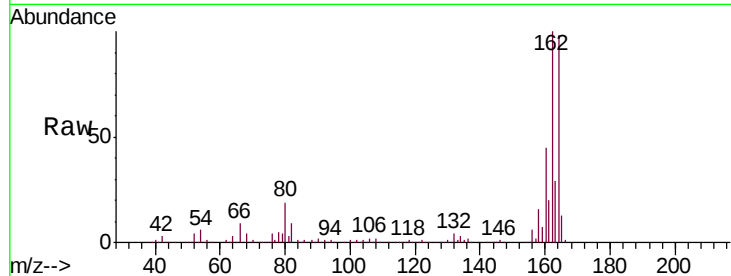




#50
 2,6-Dinitrotoluene
 Concen: 8.710 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.22 min
 Lab File: BF108058.D
 Acq: 9 Aug 2018 17:50

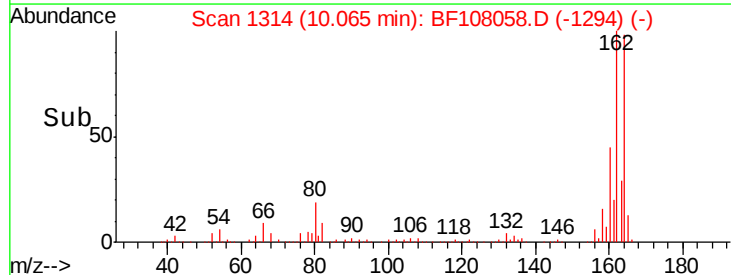
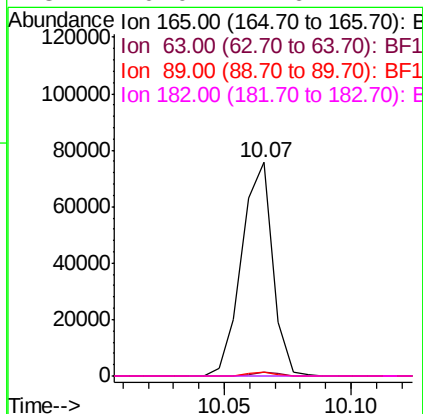
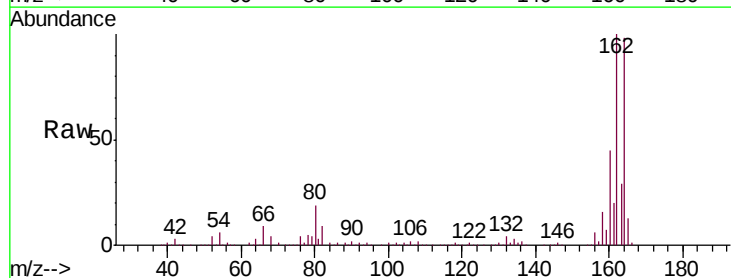
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL

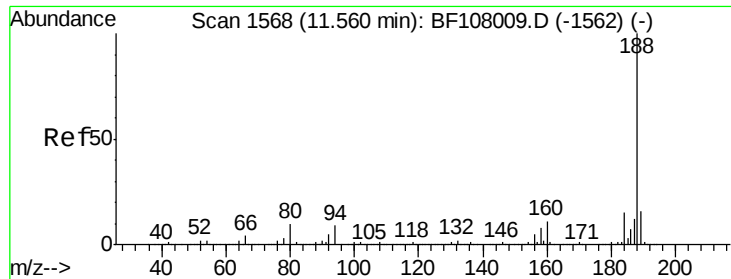
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.9	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.767 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108058.D
 Acq: 9 Aug 2018 17:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

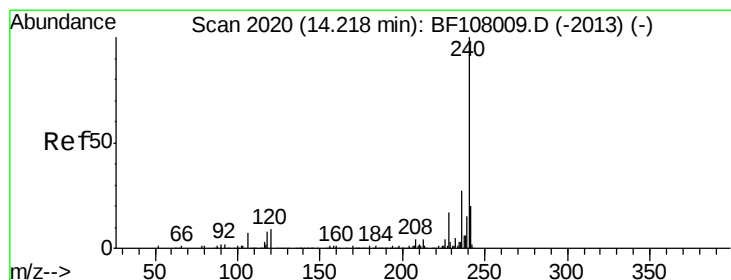
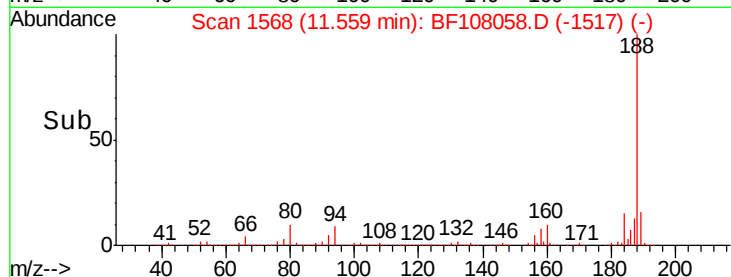
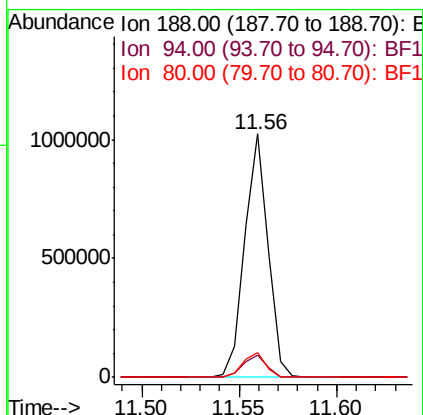
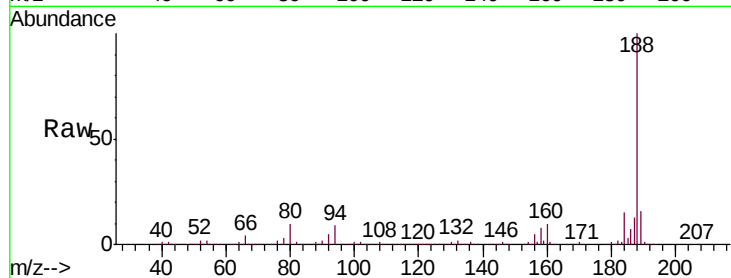




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF108058.D
Acq: 9 Aug 2018 17:50

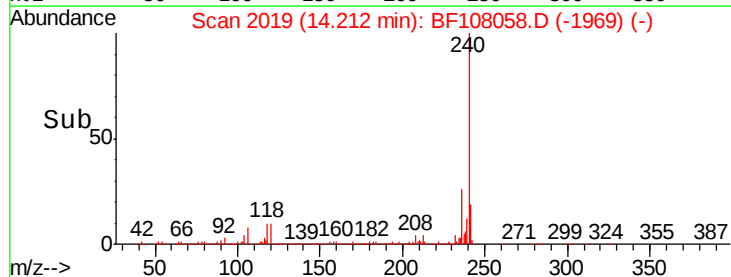
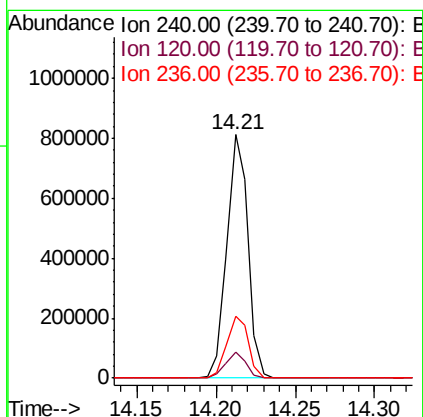
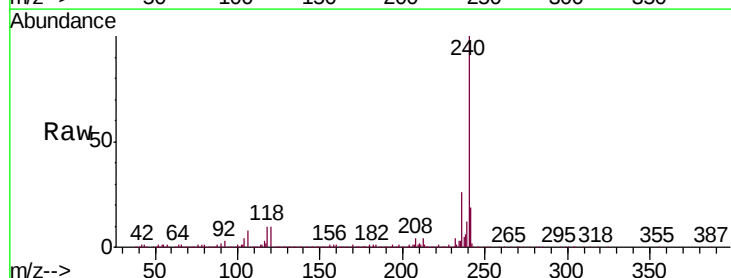
Instrument :
BNA_F
ClientSampled :
WC-SOIL

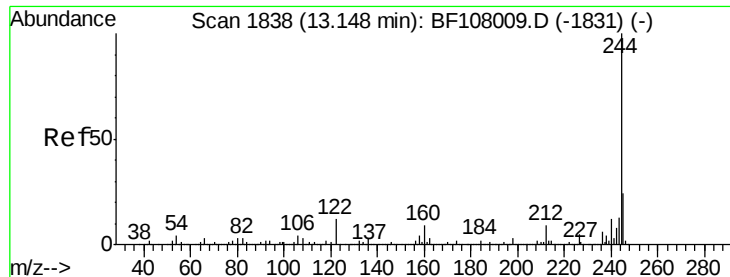
Tgt Ion:188 Resp: 846310
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 10.0 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108058.D
Acq: 9 Aug 2018 17:50

Tgt Ion:240 Resp: 746880
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 25.6 20.7 31.1





#78

Terphenyl-d14

Concen: 7.072 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108058.D

Acq: 9 Aug 2018 17:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL

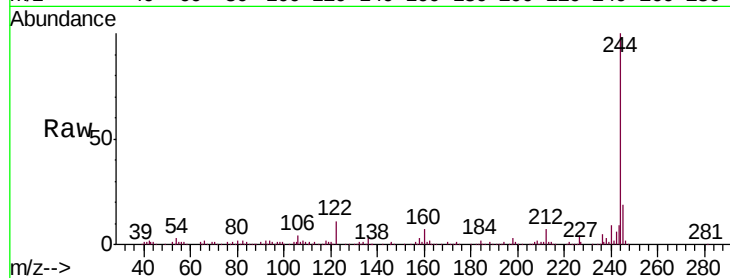
Tgt Ion:244 Resp: 207749

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

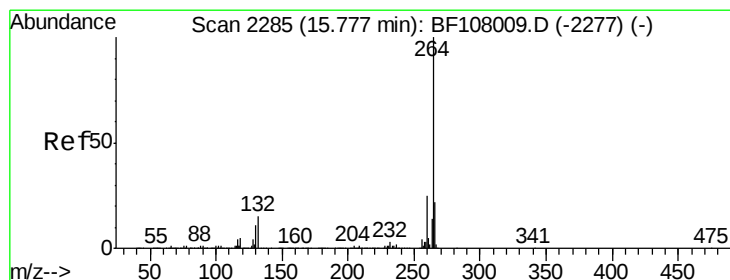
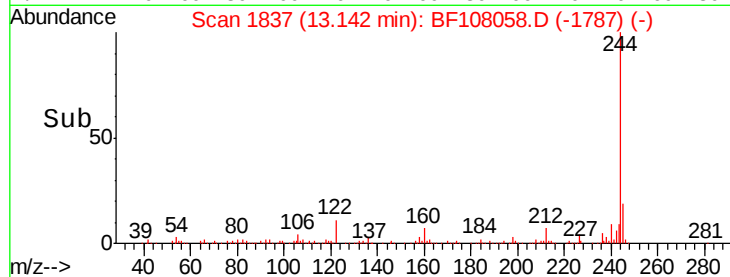
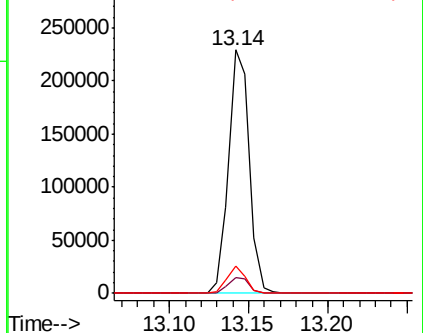
122 11.3 11.0 16.4



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: 15.78 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF108058.D

Acq: 9 Aug 2018 17:50

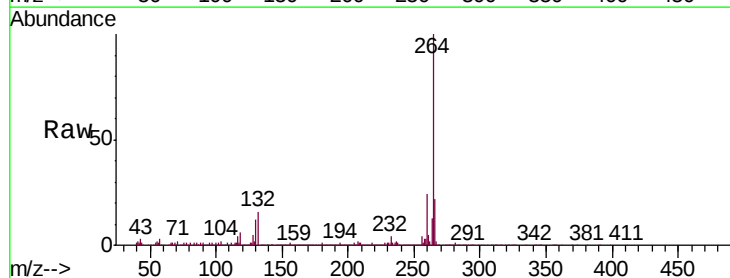
Tgt Ion:264 Resp: 545384

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 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

