

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081518\
 Data File : BF108177.D
 Acq On : 15 Aug 2018 20:39
 Operator : JU/SJ
 Sample : J4478-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-5

Quant Time: Aug 16 01:52:09 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	203527	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	771672	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	364745	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	583919	20.00	ng	0.00
75) Chrysene-d12	14.21	240	428245	20.00	ng	0.00
86) Perylene-d12	15.77	264	424515	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1009088	89.76	ng	0.02
7) Phenol-d6	6.64	99	1353906	90.63	ng	0.00
23) Nitrobenzene-d5	7.58	82	897864	64.93	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	254715	70.01	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1405680	61.87	ng	0.00
78) Terphenyl-d14	13.14	244	1049561	62.31	ng	0.00

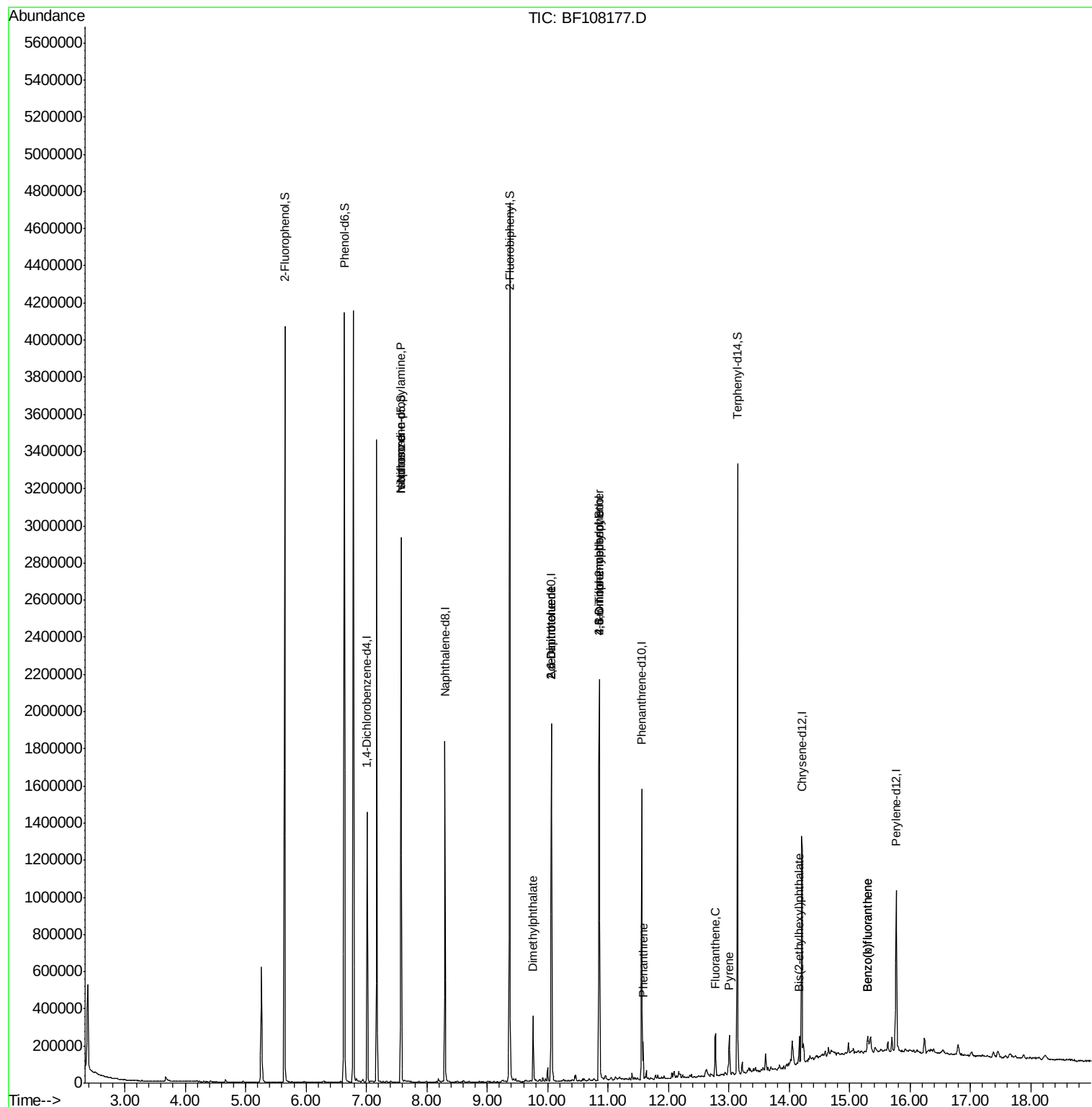
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	121649	12.042	ng	# 84
25) Isophorone	7.58	82	894769	33.946	ng	# 64
49) Dimethylphthalate	9.76	163	132432	5.212	ng	99
50) 2,6-Dinitrotoluene	10.06	165	47593	8.953	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	47593	6.956	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	513	5.566	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	16517	2.603	ng	# 1
70) Phenanthrene	11.58	178	67769	2.461	ng	98
74) Fluoranthene	12.78	202	90152	2.999	ng	94
77) Pyrene	13.01	202	83536	3.081	ng	99
83) Bis(2-ethylhexyl)phthalate	14.17	149	40083	2.749	ng	100
87) Benzo(b)fluoranthene	15.30	252	68716	2.709	ng	95
88) Benzo(k)fluoranthene	15.30	252	68716	2.947	ng	98

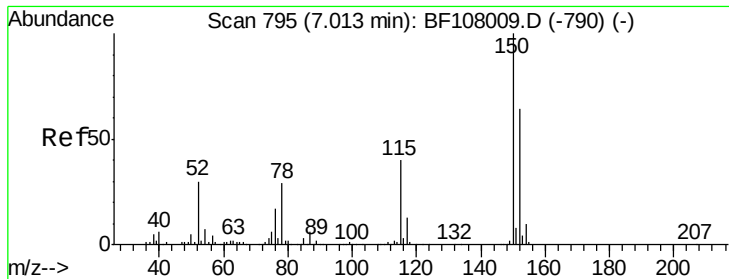
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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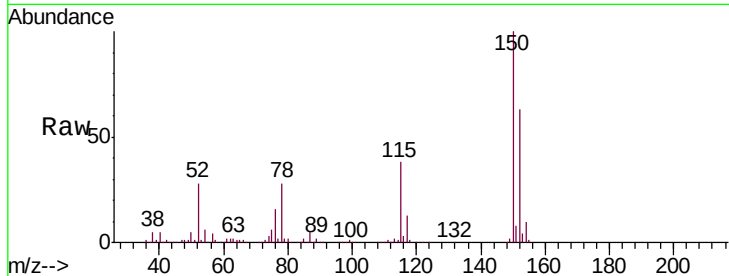


#1

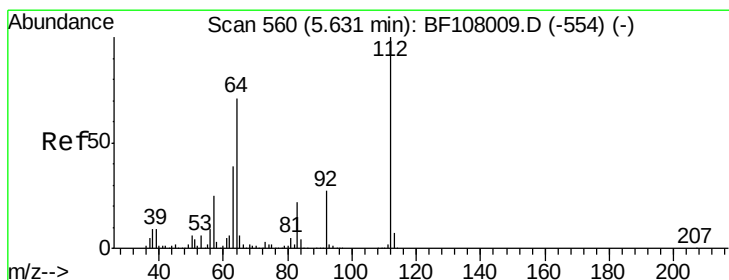
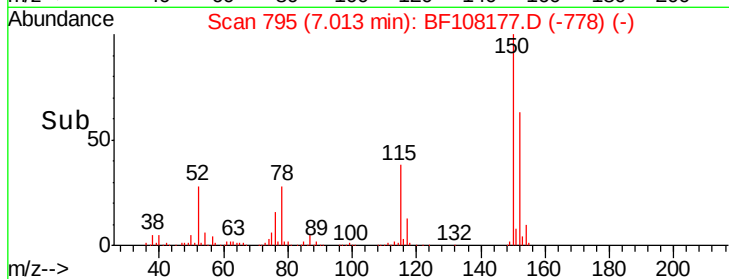
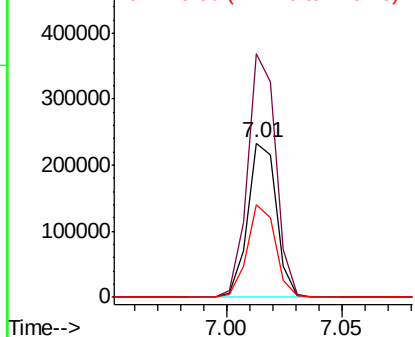
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.6	50.1	75.1



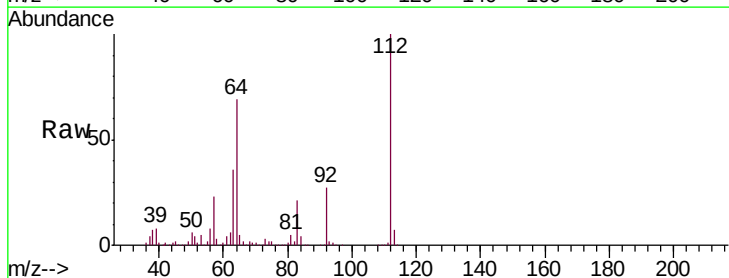
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



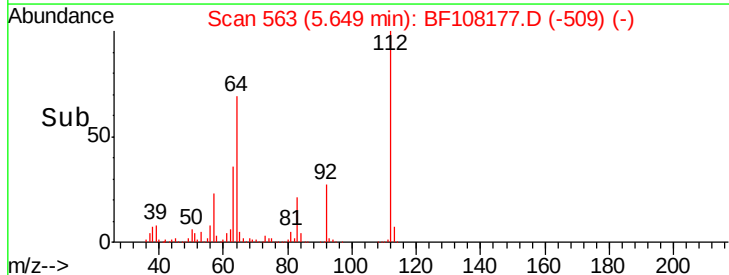
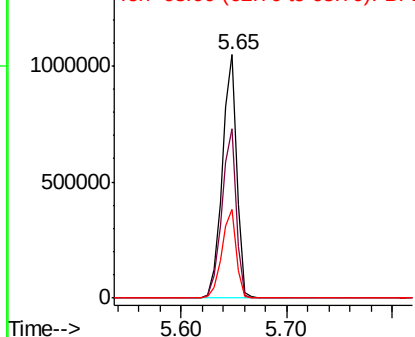
#5

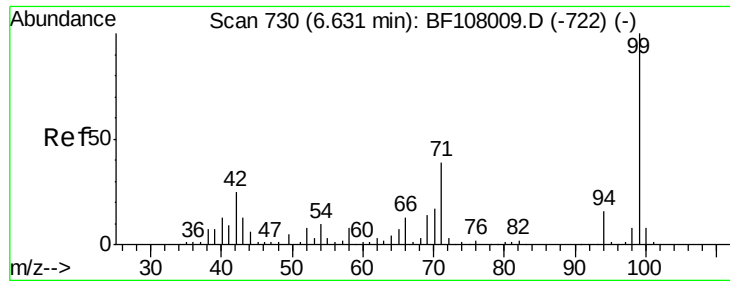
2-Fluorophenol
Concen: 89.762 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.9	71.9
63	36.3	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: 90.630 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-5

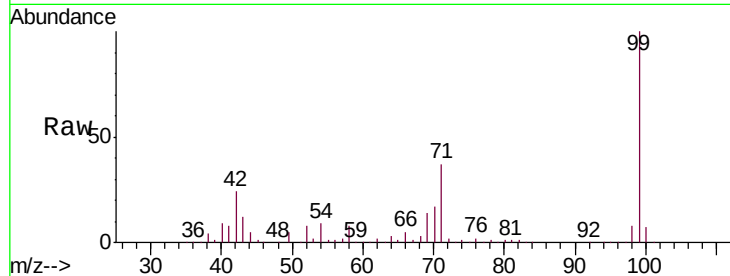
Tgt Ion: 99 Resp: 1353906

Ion Ratio Lower Upper

99 100

42 23.5 14.5 21.7#

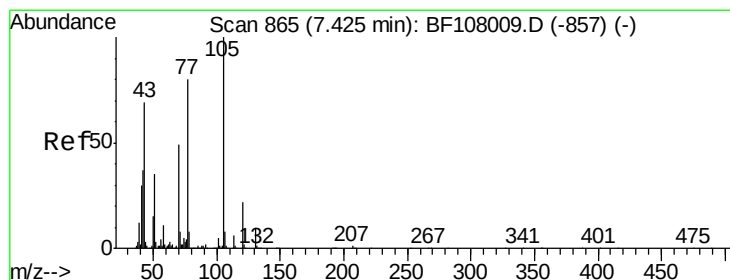
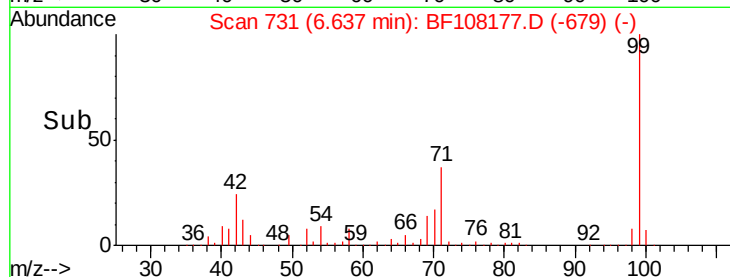
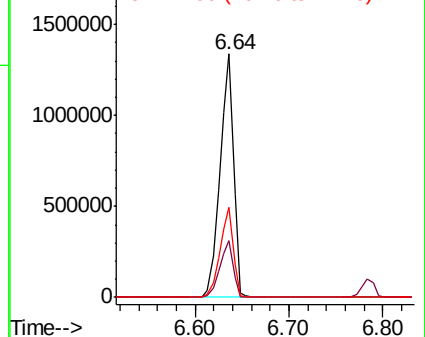
71 37.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.042 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

Tgt Ion: 70 Resp: 121649

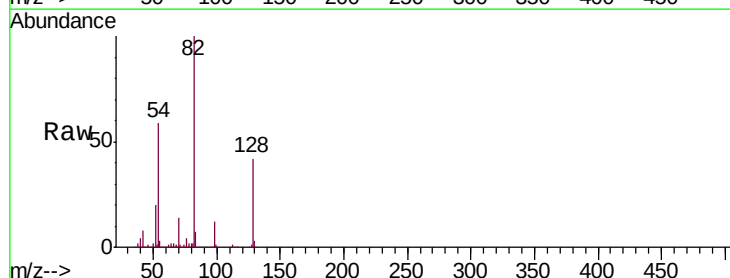
Ion Ratio Lower Upper

70 100

42 54.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

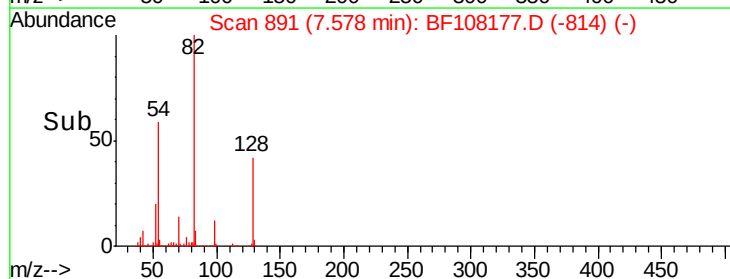
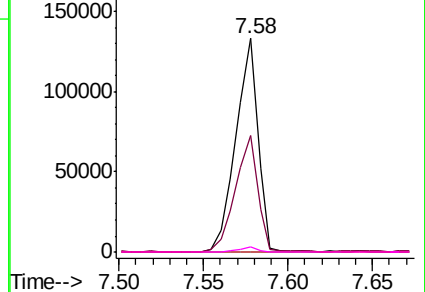


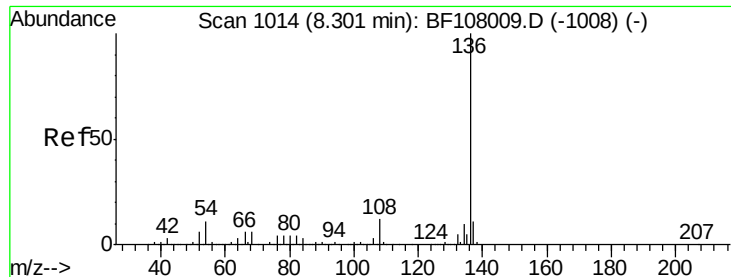
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

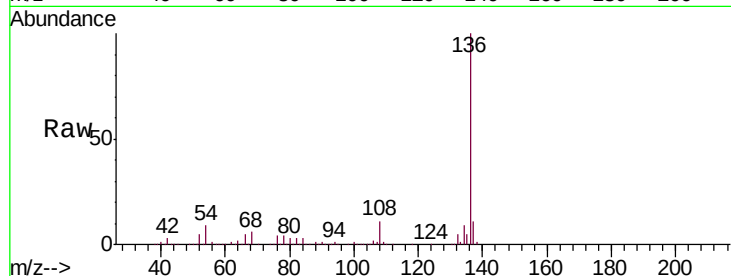




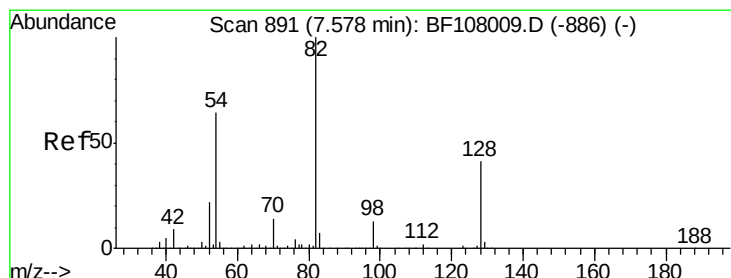
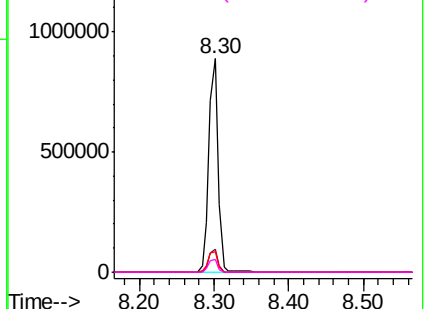
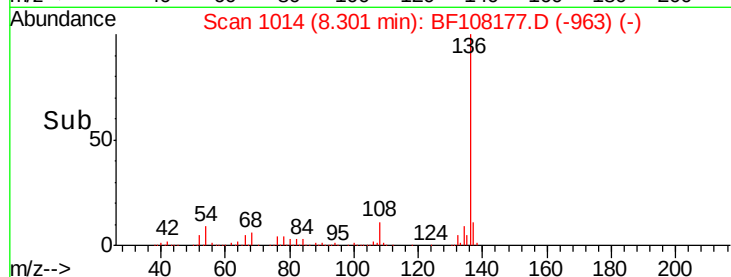
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-5

Tgt Ion:	136	Resp:	771672
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.4	6.6	9.8
68	5.8	5.0	7.4

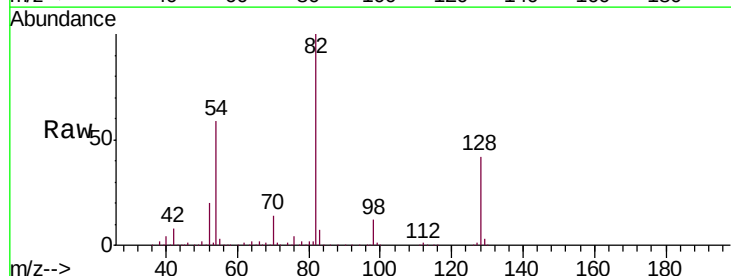


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

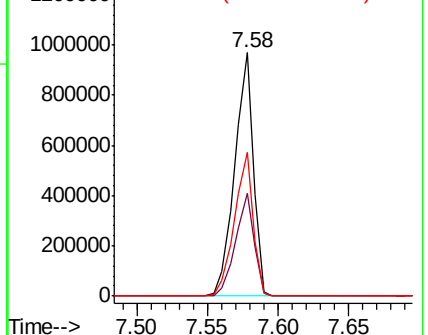
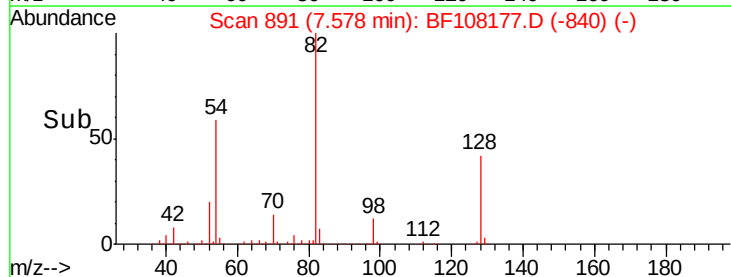


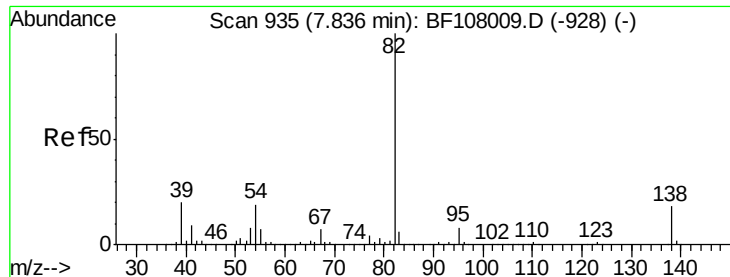
#23
Nitrobenzene-d5
Concen: 64.927 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Tgt Ion:	82	Resp:	897864
Ion	Ratio	Lower	Upper
82	100		
128	42.1	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





#25

Isophorone

Concen: 33.946 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-5

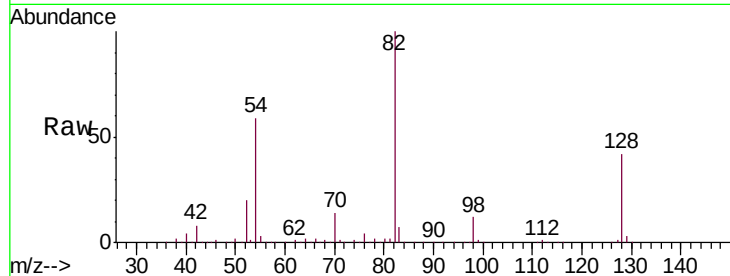
Tgt Ion: 82 Resp: 894769

Ion Ratio Lower Upper

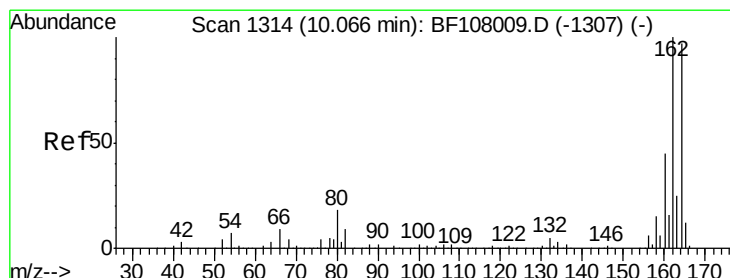
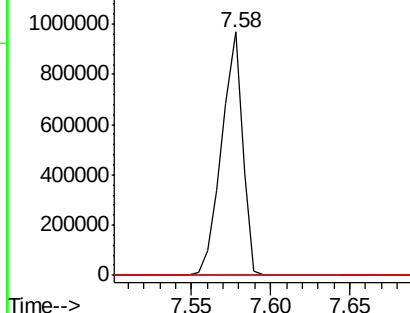
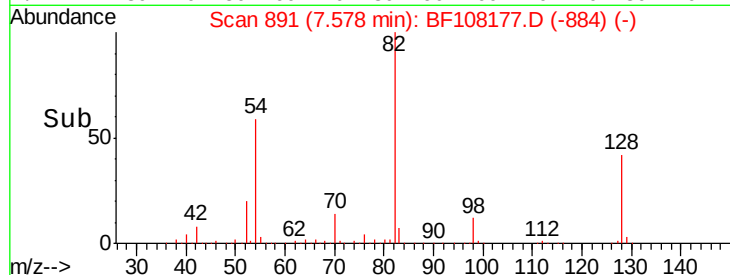
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

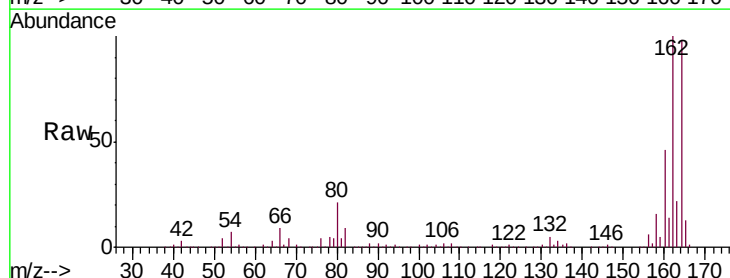
Tgt Ion: 164 Resp: 364745

Ion Ratio Lower Upper

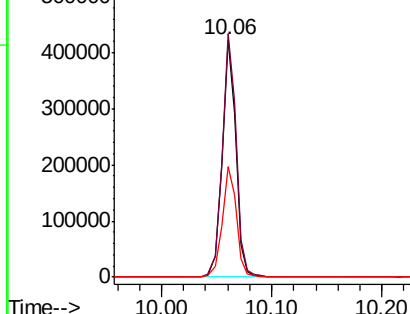
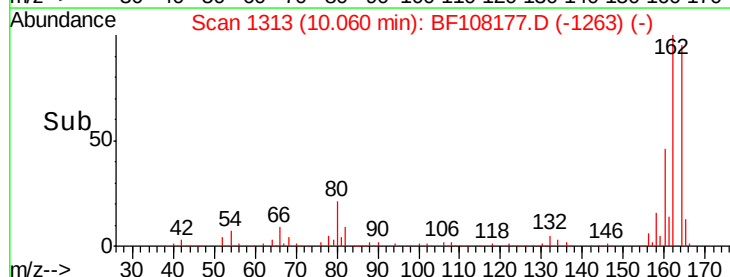
164 100

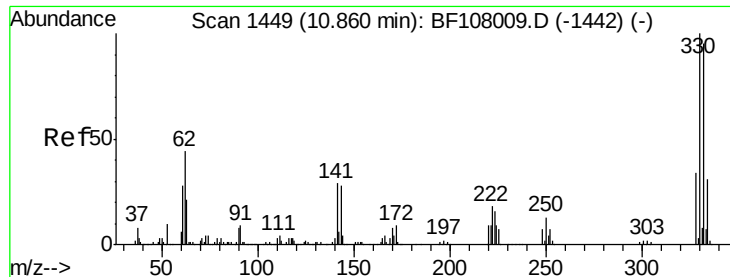
162 102.4 86.1 129.1

160 46.7 38.3 57.5



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

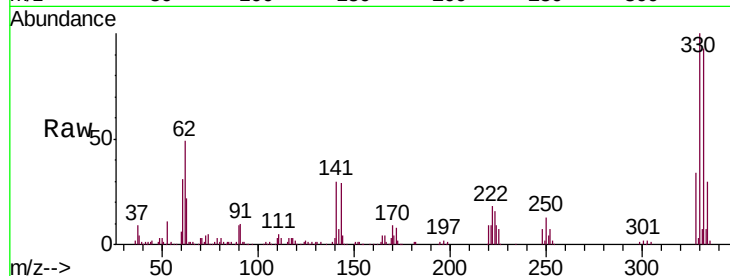




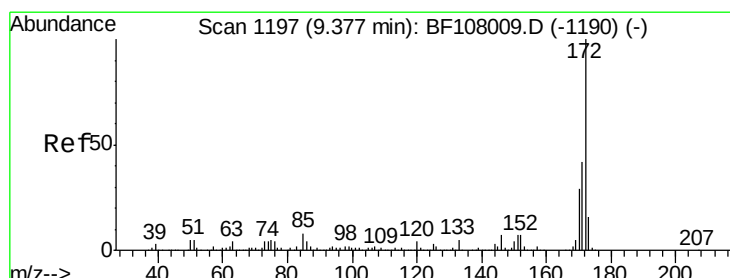
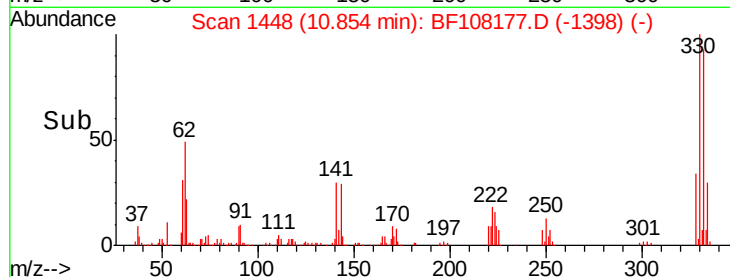
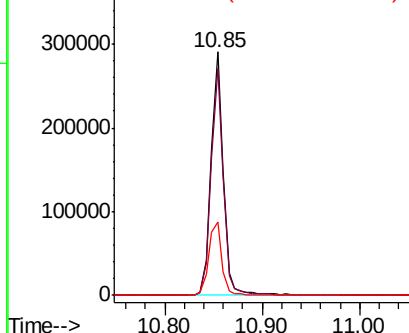
#41
 2,4,6-Tribromophenol
 Concen: 70.011 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-5

Tgt Ion:	330	Resp:	254715
Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.0	115.6
141	32.2	29.9	44.9

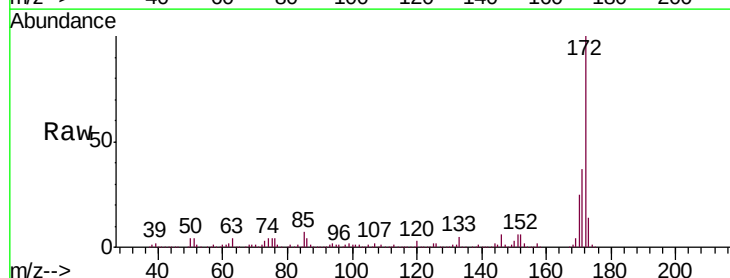


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

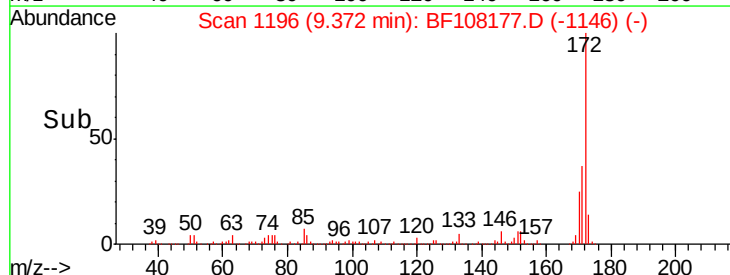
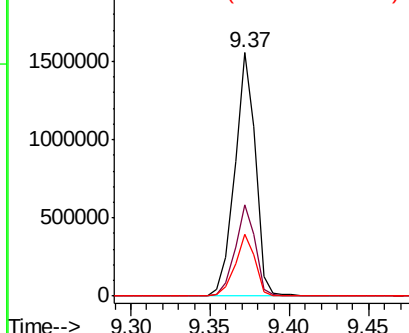


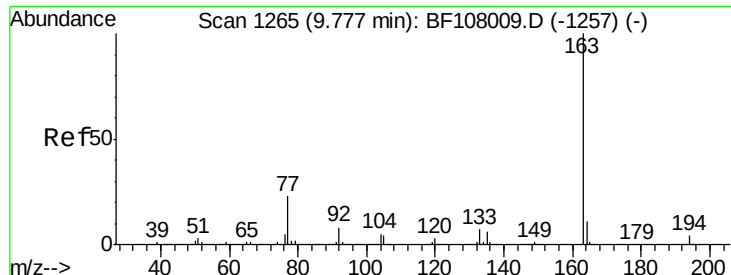
#44
 2-Fluorobiphenyl
 Concen: 61.873 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Tgt Ion:	172	Resp:	1405680
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	25.3	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

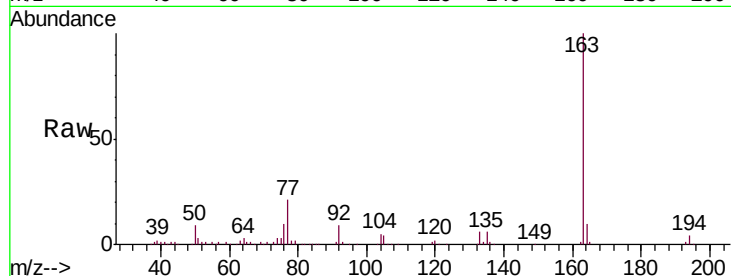




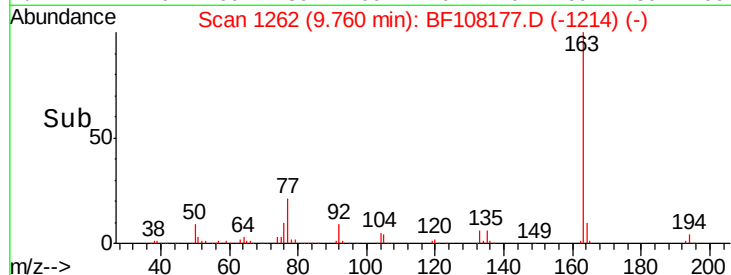
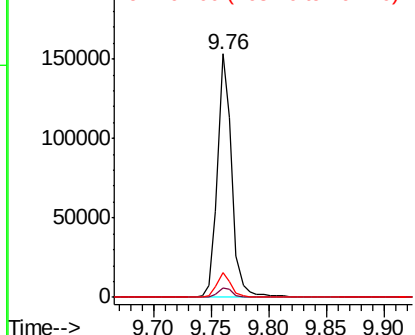
#49
Dimethylphthalate
Concen: 5.212 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Instrument :
BNA_F
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RICH-REC-ROAD-STONE-5

Tgt Ion:163 Resp: 132432
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.1 8.2 12.2

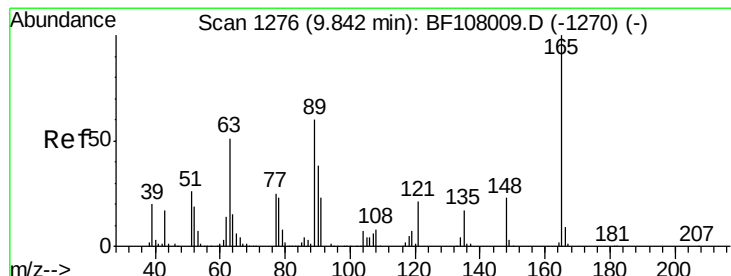


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

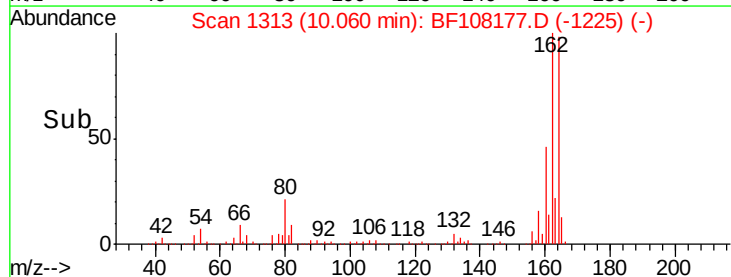
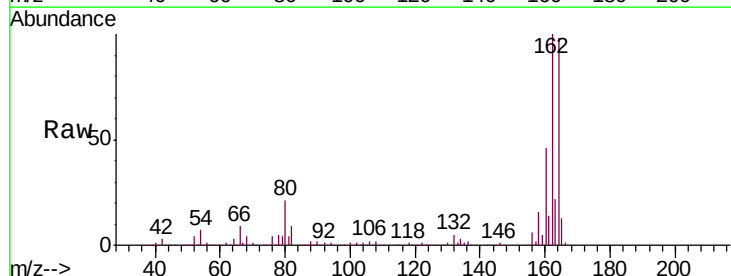
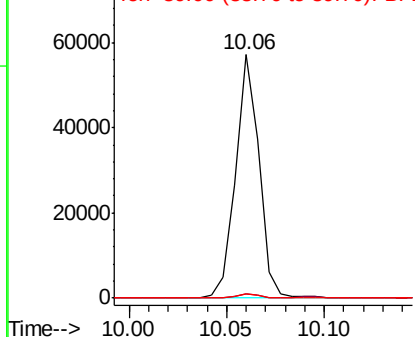


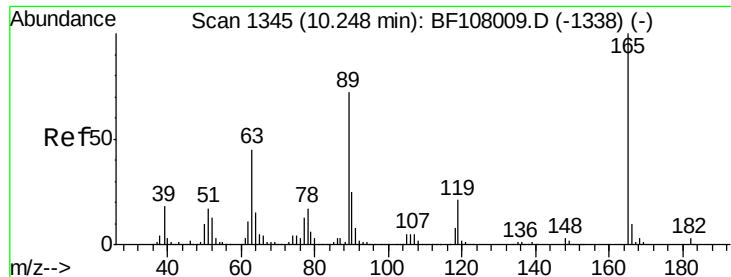
#50
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Tgt Ion:165 Resp: 47593
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.8 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

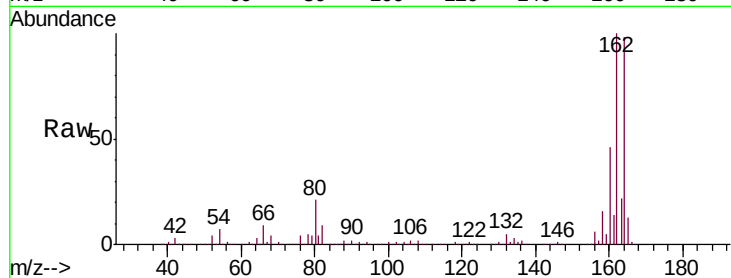




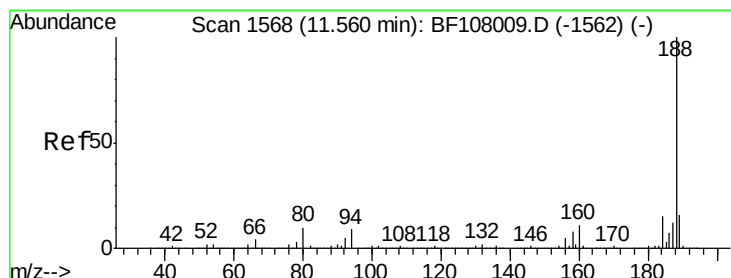
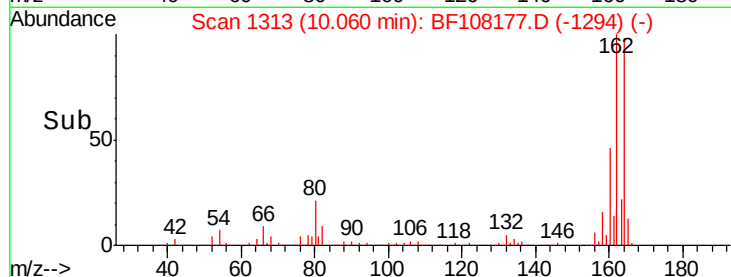
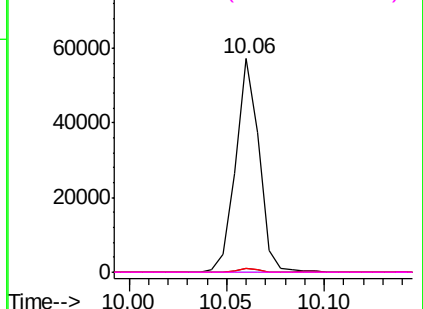
#56
 2,4-Dinitrotoluene
 Concen: 6.956 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-5

Tgt Ion:	165	Resp:	47593
Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

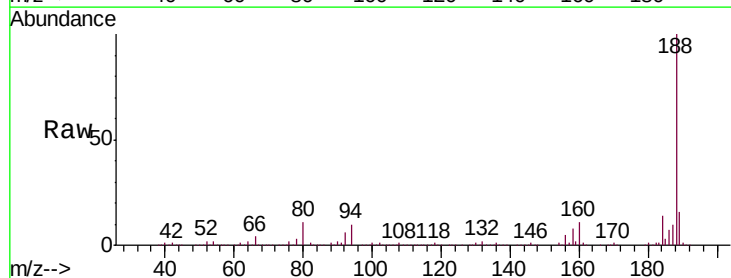


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

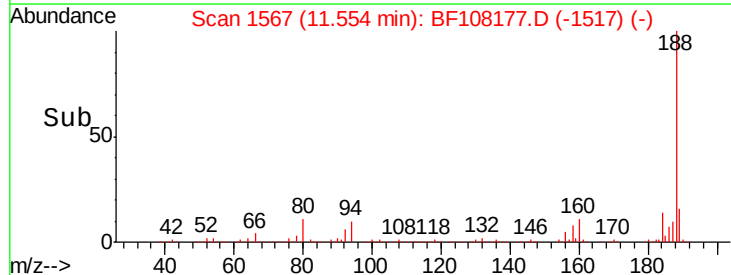
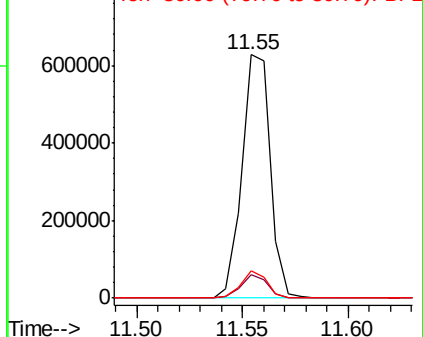


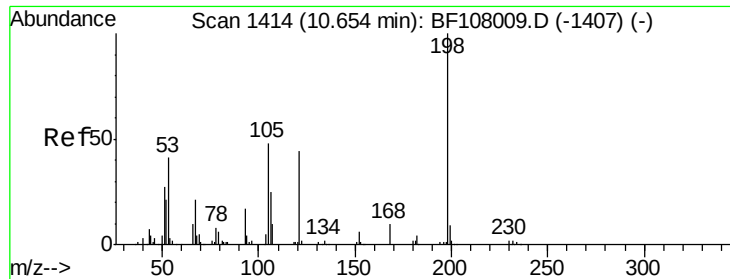
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Tgt Ion:	188	Resp:	583919
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	11.0	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

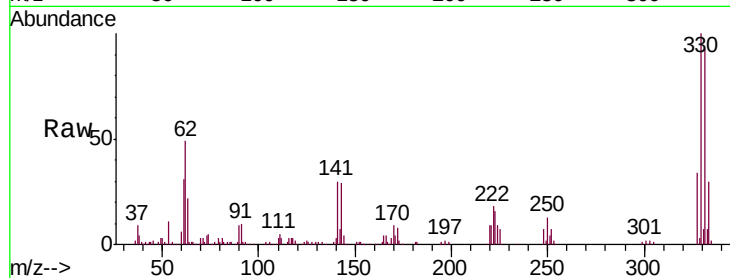




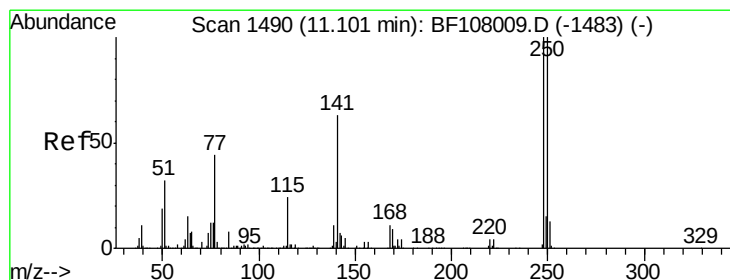
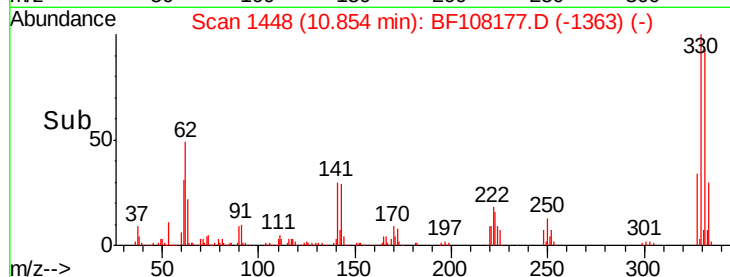
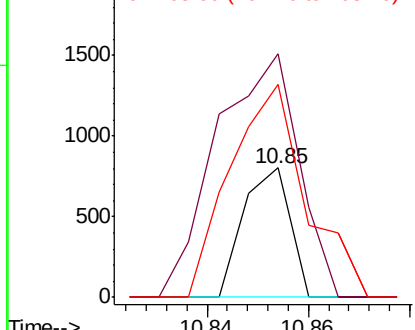
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.566 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-5

Tgt Ion:198 Resp: 513
 Ion Ratio Lower Upper
 198 100
 51 187.8 37.7 77.7#
 105 164.7 36.3 76.3#

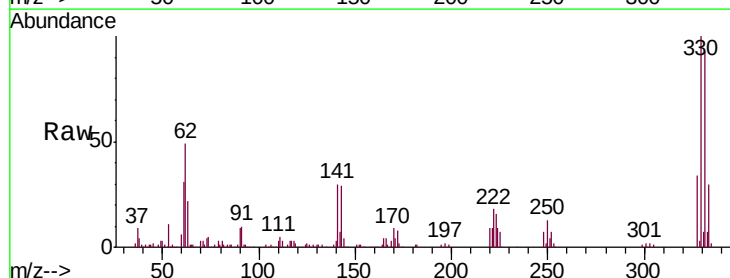


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

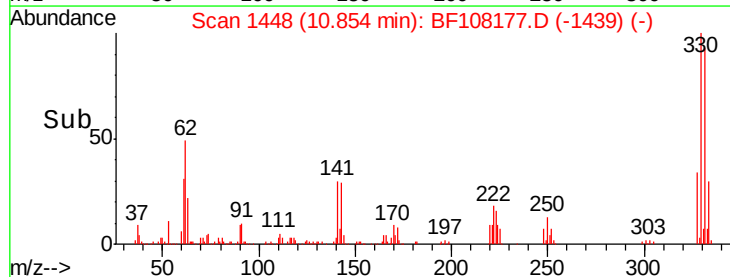
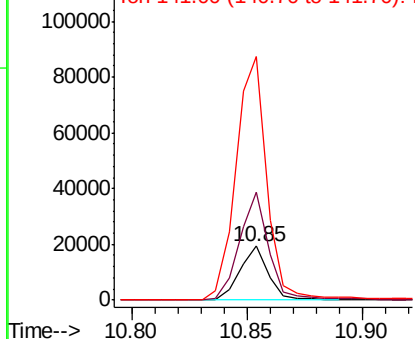


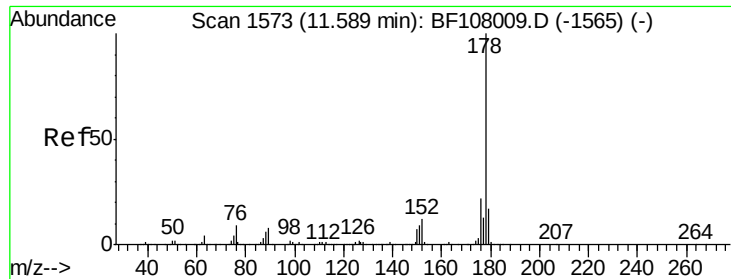
#66
 4-Bromophenyl-phenylether
 Concen: 2.603 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Tgt Ion:248 Resp: 16517
 Ion Ratio Lower Upper
 248 100
 250 200.5 76.9 115.3#
 141 454.1 74.4 111.6#



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

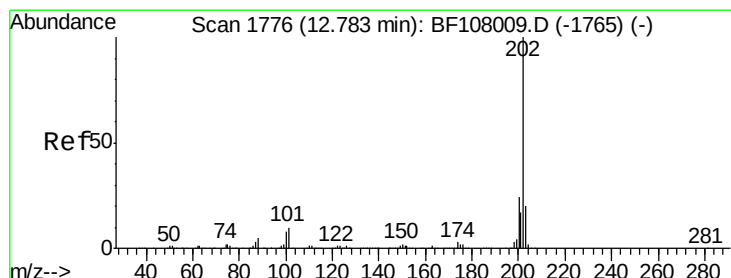
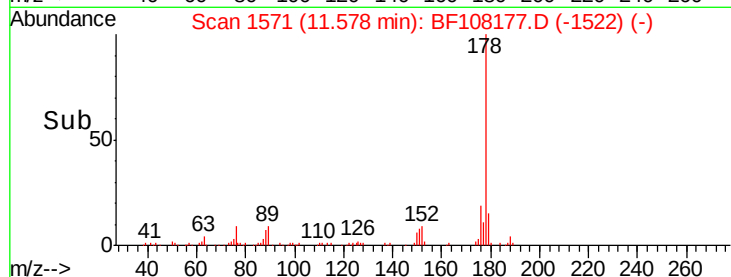
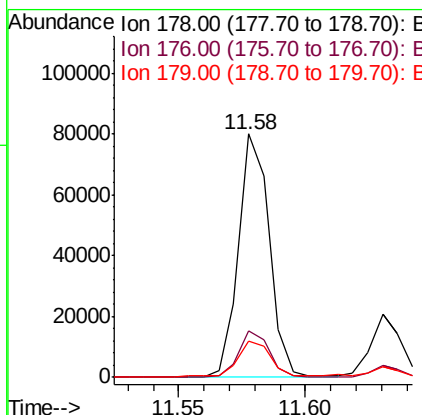
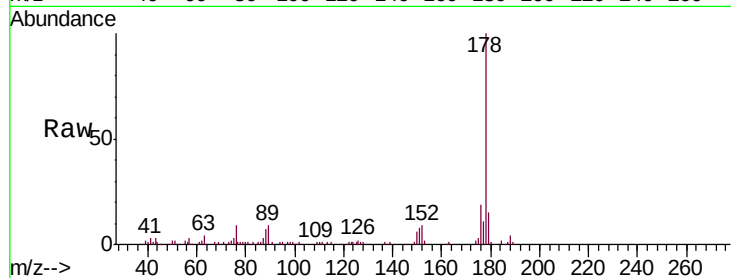




#70
Phenanthrene
Concen: 2.461 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

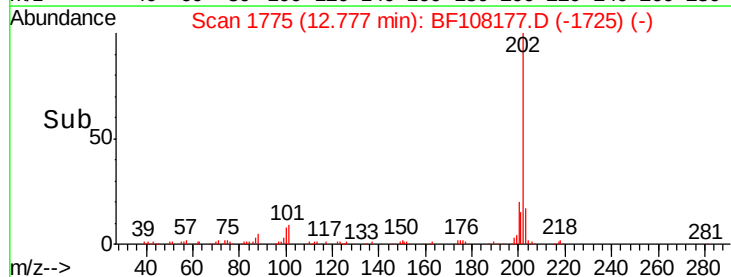
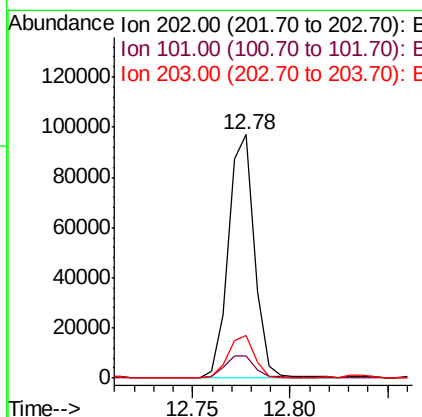
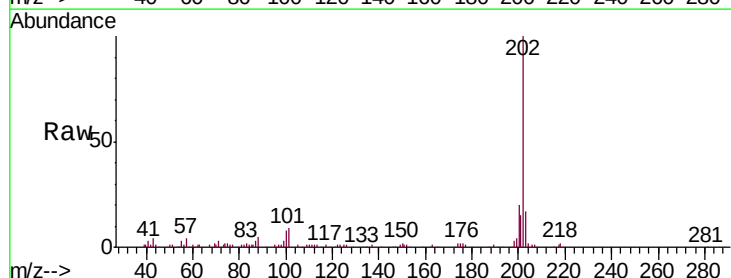
Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-5

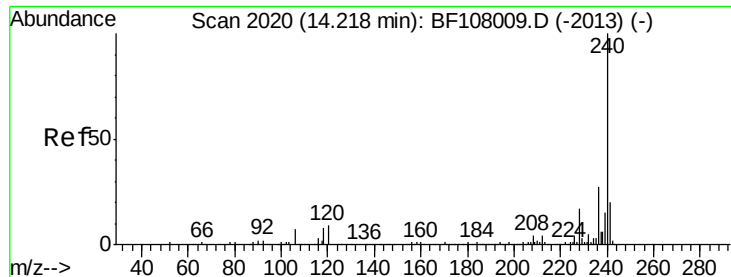
Tgt Ion:178 Resp: 67769
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 14.9 13.0 19.6



#74
Fluoranthene
Concen: 2.999 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Tgt Ion:202 Resp: 90152
Ion Ratio Lower Upper
202 100
101 9.1 0.0 34.1
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-5

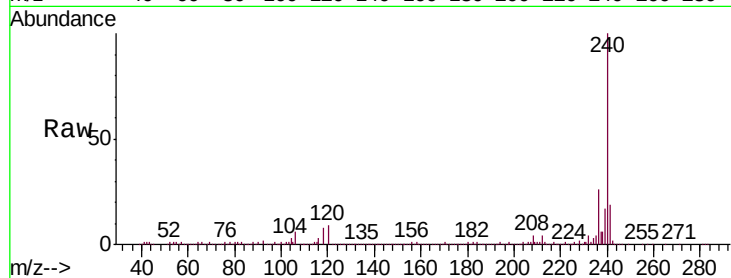
Tgt Ion:240 Resp: 428245

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

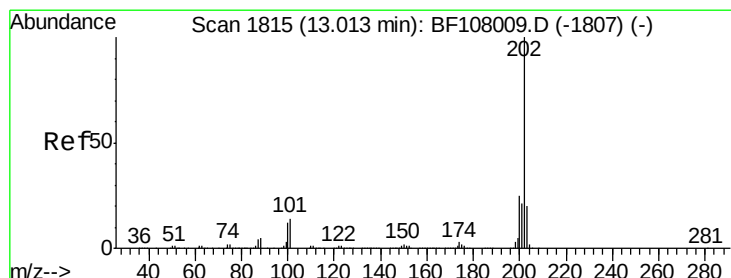
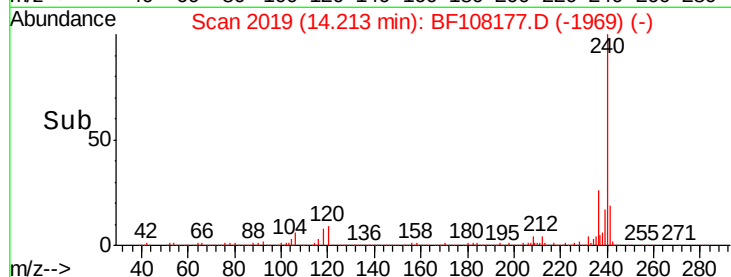
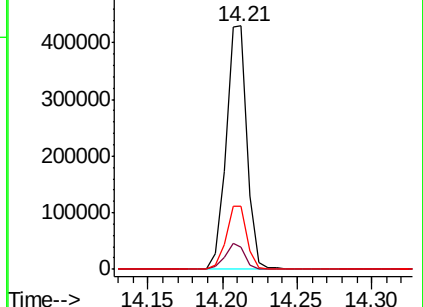
236 25.9 20.7 31.1



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



#77

Pyrene

Concen: 3.081 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

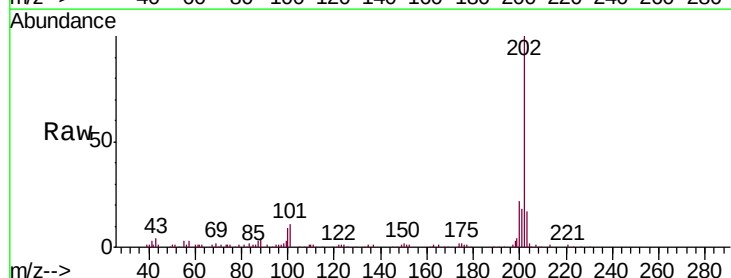
Tgt Ion:202 Resp: 83536

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

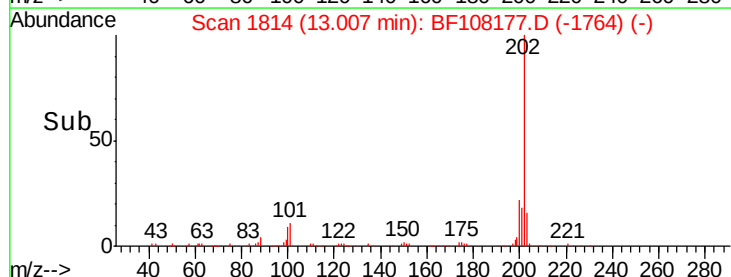
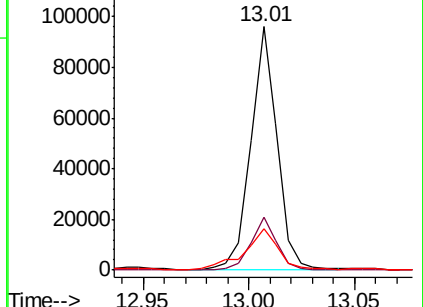
203 17.0 14.3 21.5

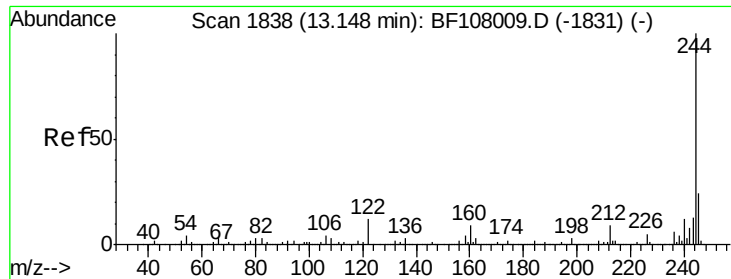


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.314 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-5

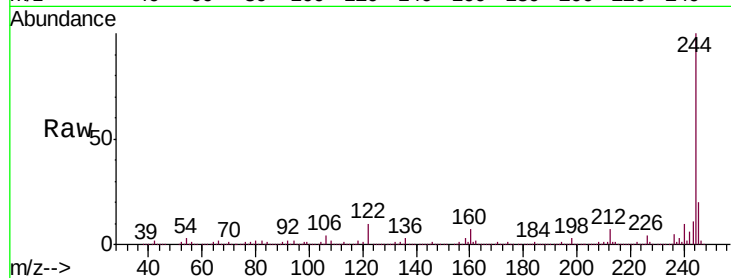
Tgt Ion:244 Resp: 1049561

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

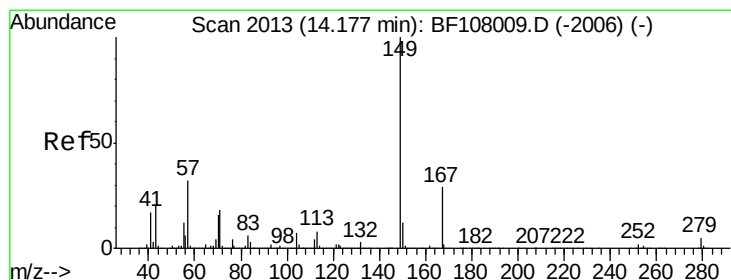
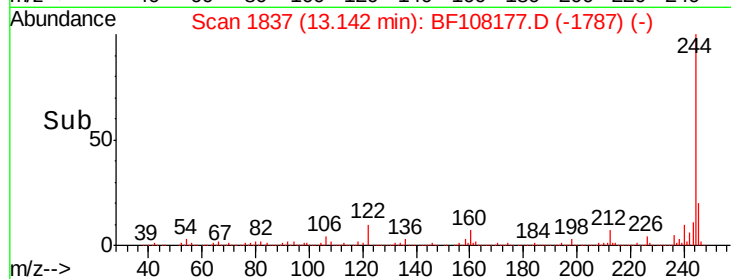
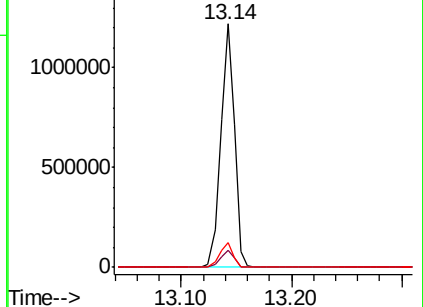
122 10.2 11.0 16.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.749 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF108177.D

Acq: 15 Aug 2018 20:39

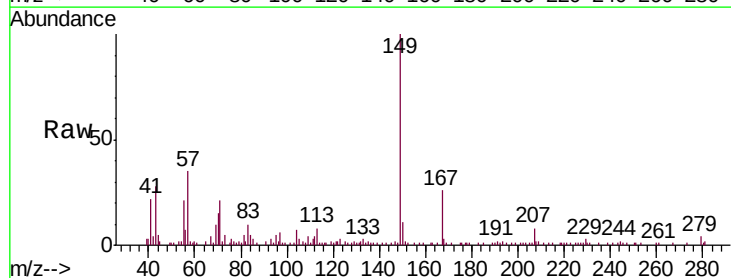
Tgt Ion:149 Resp: 40083

Ion Ratio Lower Upper

149 100

167 26.4 21.3 31.9

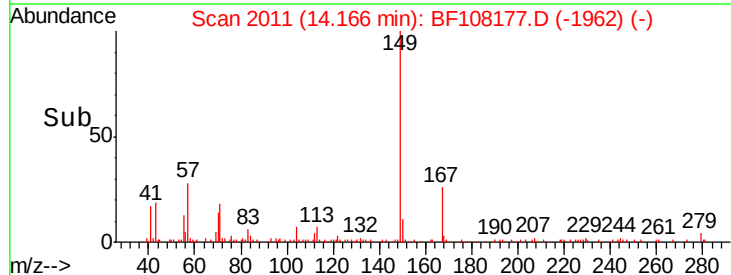
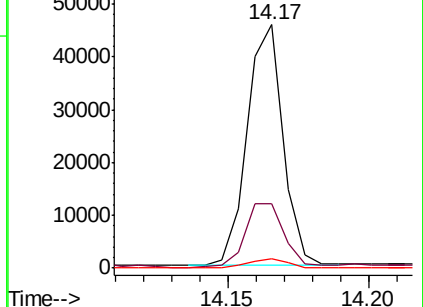
279 4.0 3.0 4.4

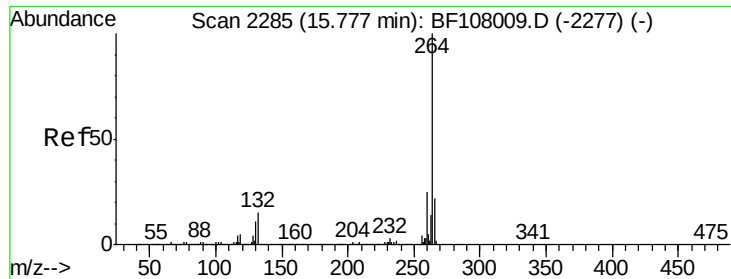


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

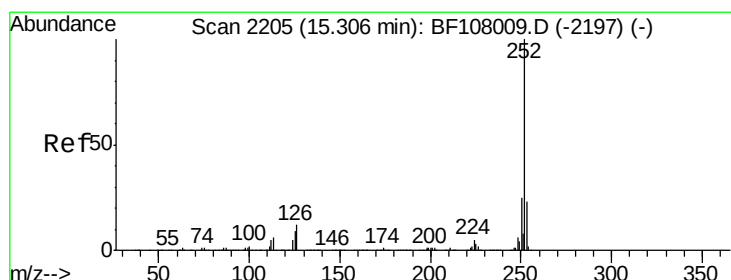
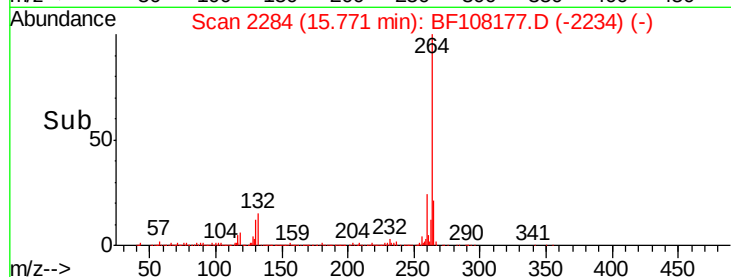
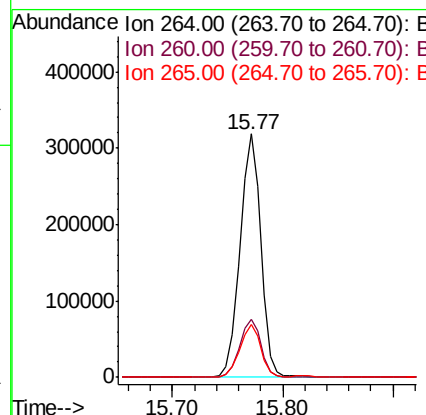
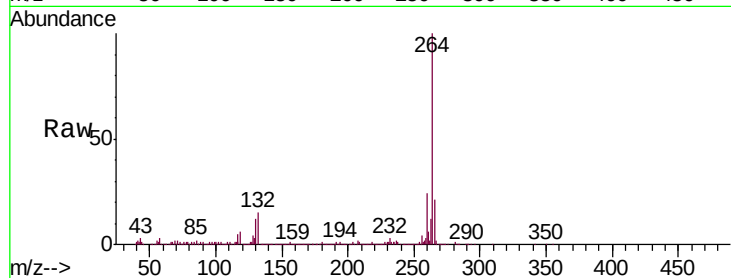




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

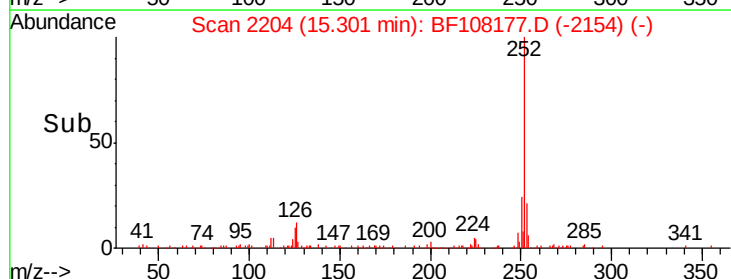
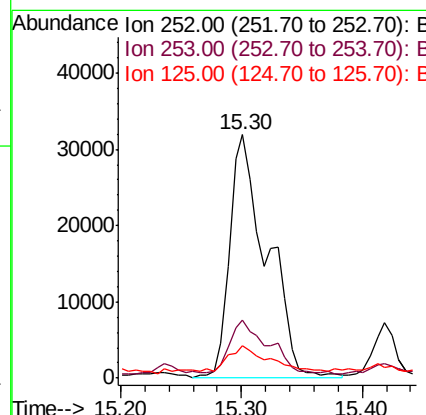
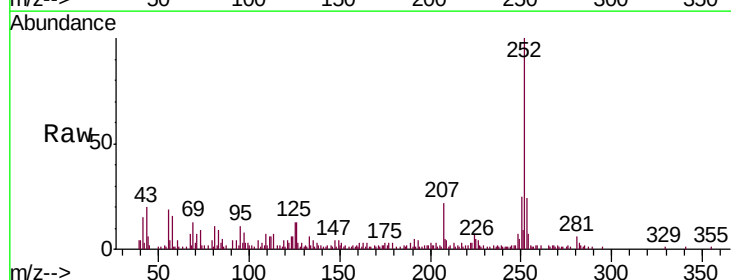
Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-5

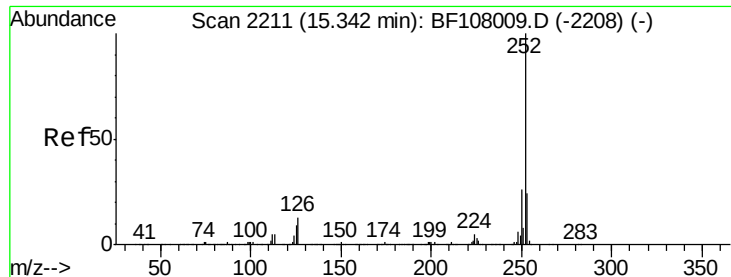
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.709 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108177.D
Acq: 15 Aug 2018 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	13.1	9.0	13.6

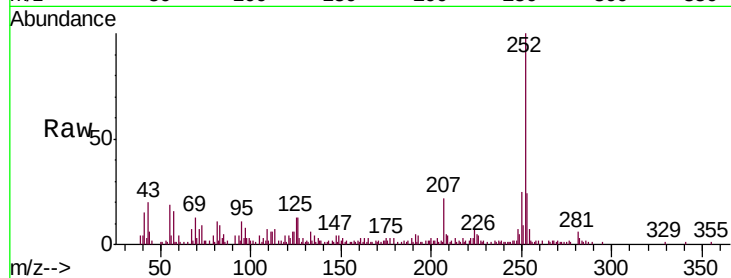




#88
 Benzo(k)fluoranthene
 Concen: 2.947 ng
 RT: 15.30 min Scan# 2204
 Delta R.T. -0.04 min
 Lab File: BF108177.D
 Acq: 15 Aug 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.1	10.2	15.2



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

