

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
 Data File : BF106950.D
 Acq On : 29 Jun 2018 4:29
 Operator : JU/SJ
 Sample : J3747-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-4

Quant Time: Jun 29 07:03:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

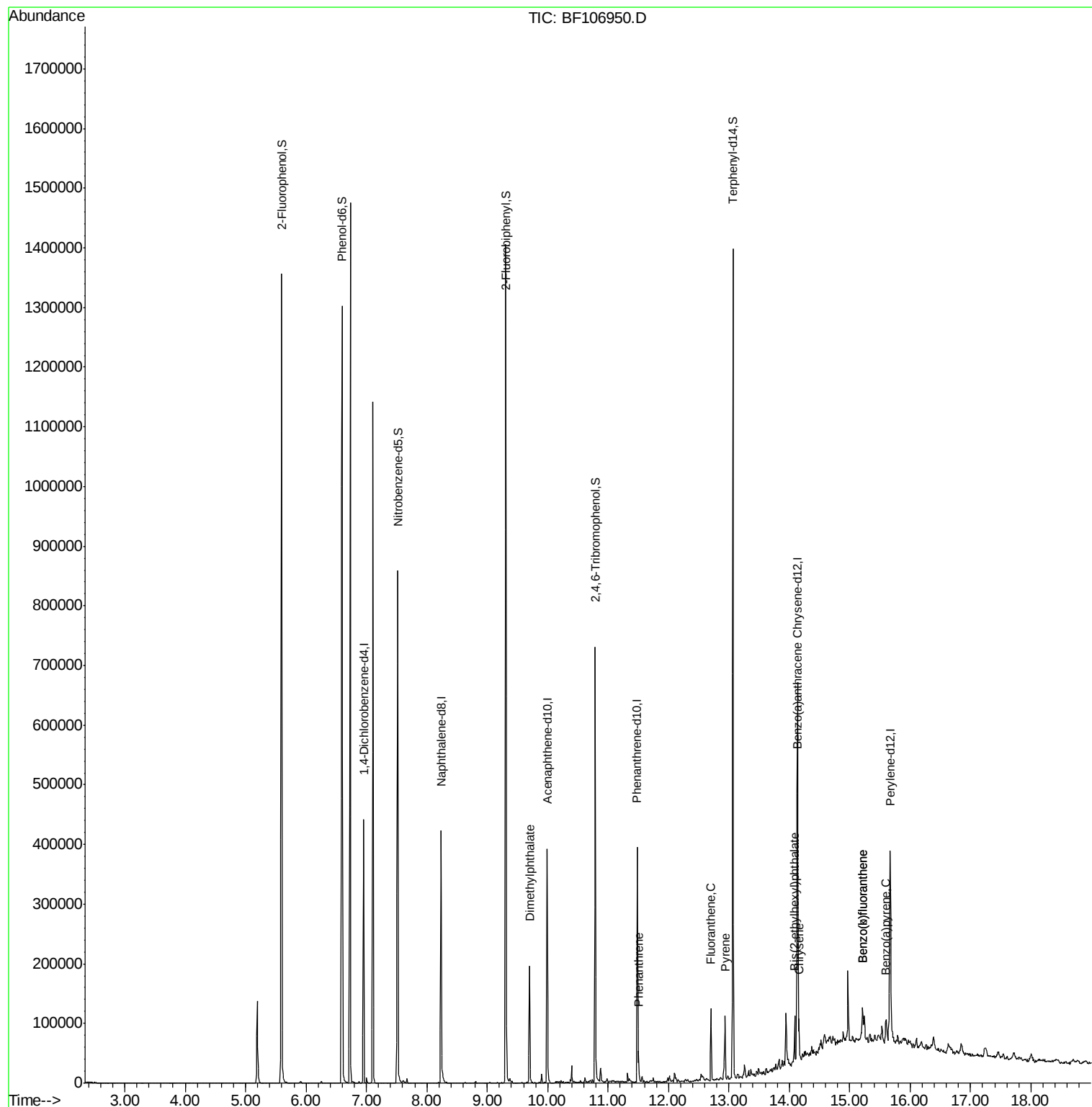
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	62430	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	215074	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	88558	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	158127	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	206609	20.00	ng	-0.03
86) Perylene-d12	15.67	264	170403	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	386407	104.81	ng	0.00
7) Phenol-d6	6.60	99	466626	101.35	ng	-0.02
23) Nitrobenzene-d5	7.52	82	286243	73.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	109243	106.43	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	437711	83.38	ng	-0.02
78) Terphenyl-d14	13.07	244	531574	62.32	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.70	163	91337	13.752	ng	98
70) Phenanthrene	11.51	178	18510	2.427	ng	99
74) Fluoranthene	12.70	202	47632	5.666	ng	96
77) Pyrene	12.94	202	46119	3.385	ng	98
80) Benzo(a)anthracene	14.12	228	29362	2.332	ng	97
82) Chrysene	14.16	228	25965	2.241	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	22547	3.148	ng	# 97
87) Benzo(b)fluoranthene	15.21	252	39112	3.695	ng	# 92
88) Benzo(k)fluoranthene	15.21	252	39112	3.880	ng	93
89) Benzo(a)pyrene	15.60	252	19972	2.122	ng	99

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

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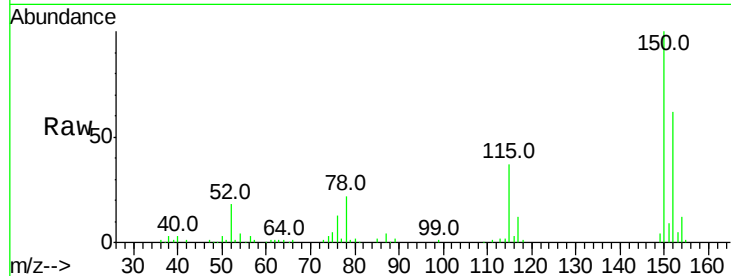


#1

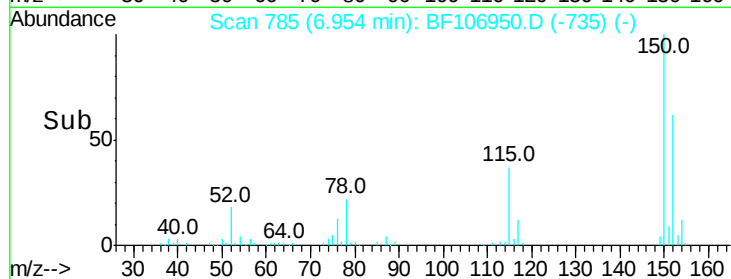
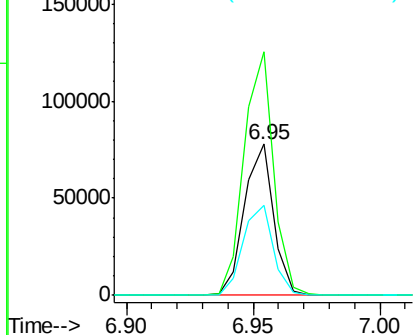
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tot Ion:152 Resp: 62430
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 59.2 50.1 75.1



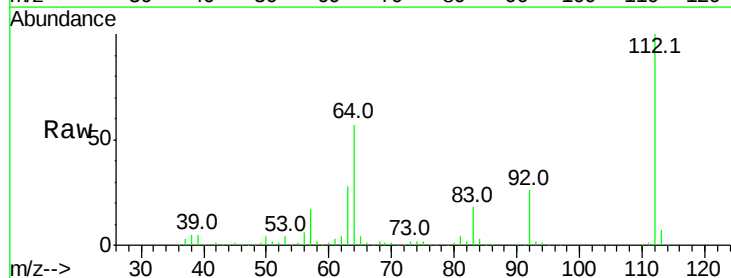
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



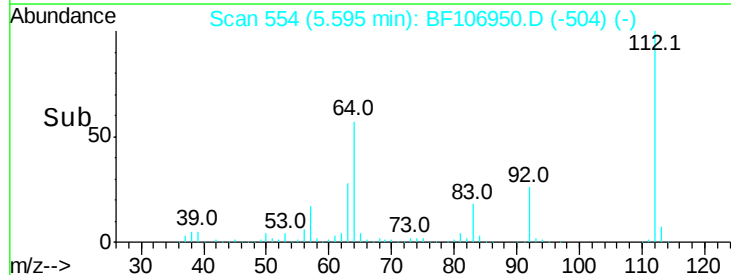
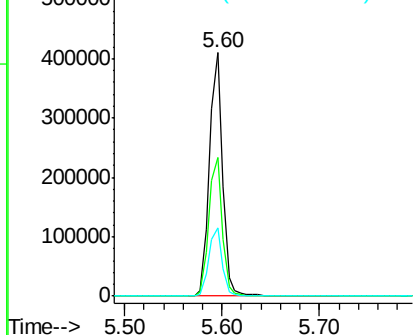
#5

2-Fluorophenol
Concen: 104.807 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Tgt Ion:112 Resp: 386407
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 28.1 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: 101.349 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

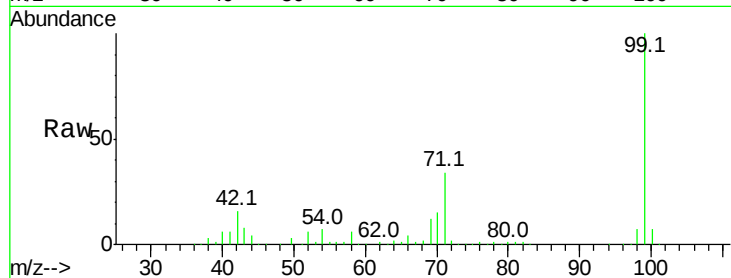
Tot Ion: 99 Resp: 466626

Ion Ratio Lower Upper

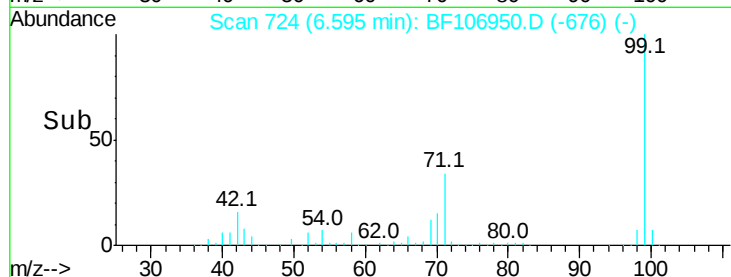
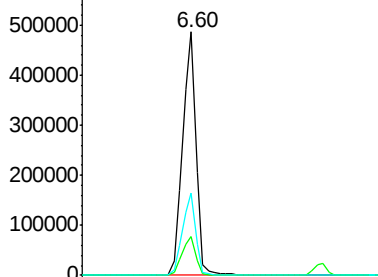
99 100

42 15.9 14.5 21.7

71 33.6 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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

Tgt Ion: 136 Resp: 215074

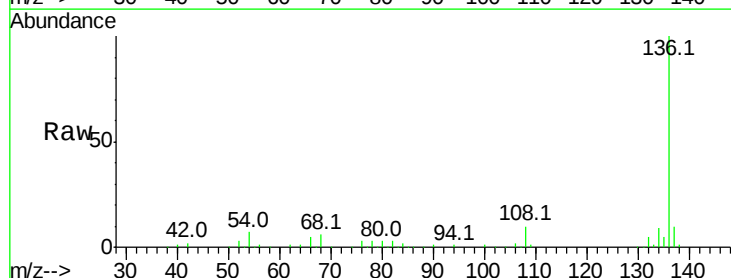
Ion Ratio Lower Upper

136 100

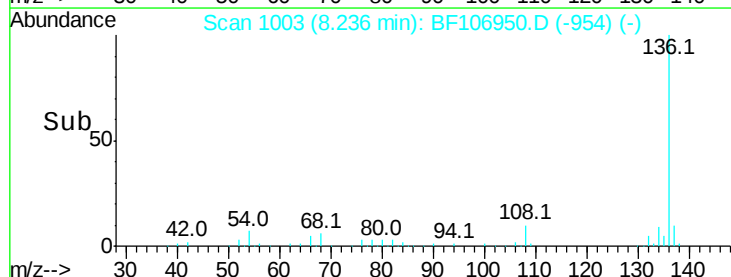
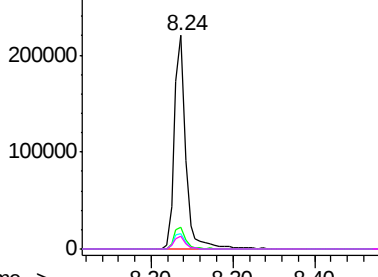
137 10.4 8.9 13.3

54 7.4 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

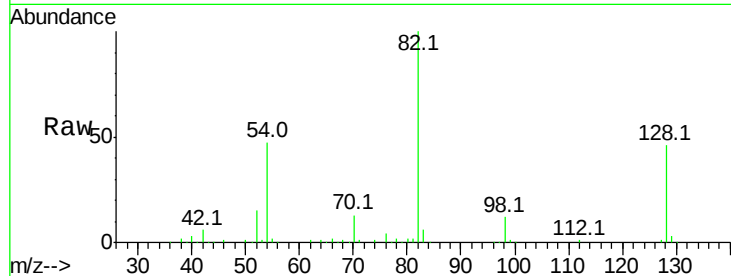




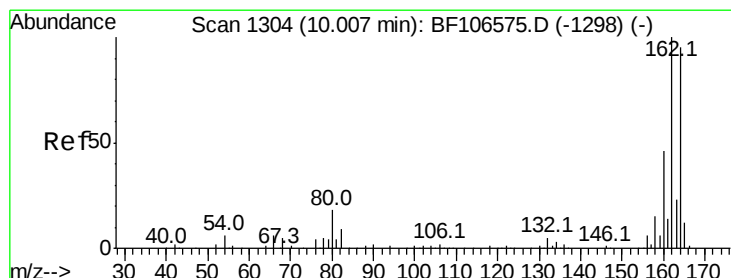
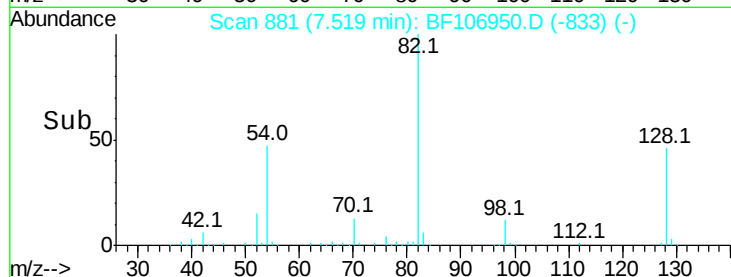
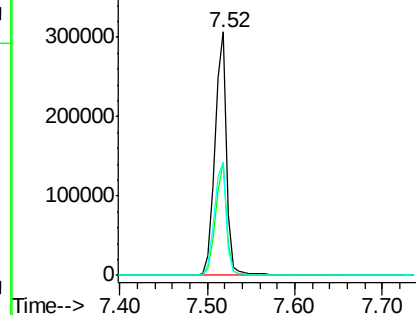
#23
Nitrobenzene-d5
Concen: 73.963 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tot Ion: 82 Resp: 286243
Ion Ratio Lower Upper
82 100
128 46.3 36.1 54.1
54 46.6 41.4 62.2

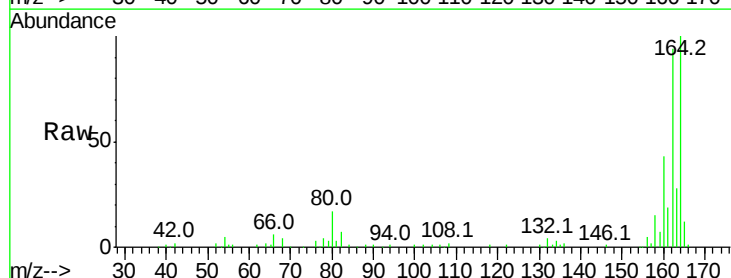


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

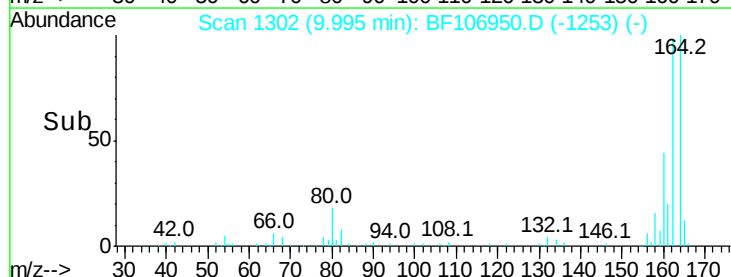
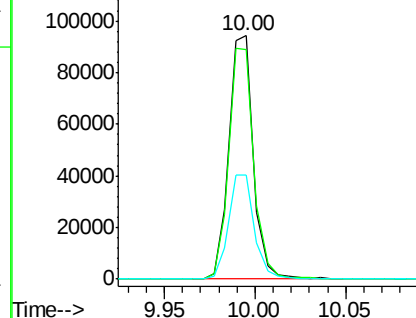


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Tgt Ion: 164 Resp: 88558
Ion Ratio Lower Upper
164 100
162 94.2 86.1 129.1
160 42.6 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

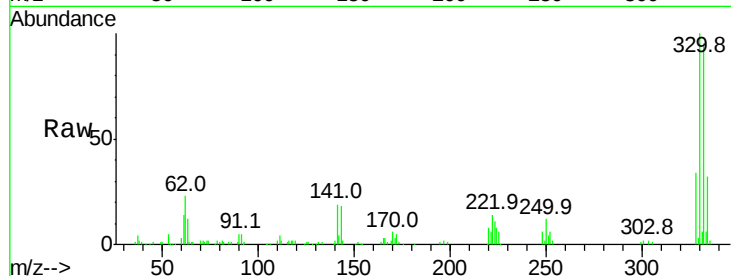




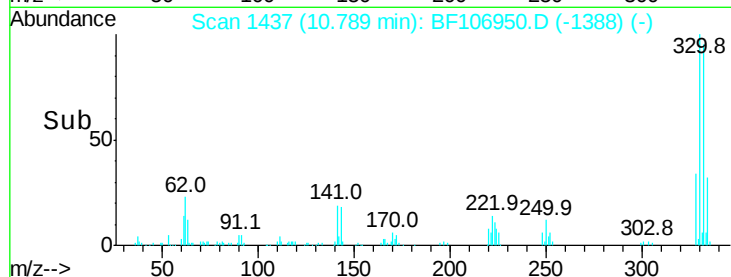
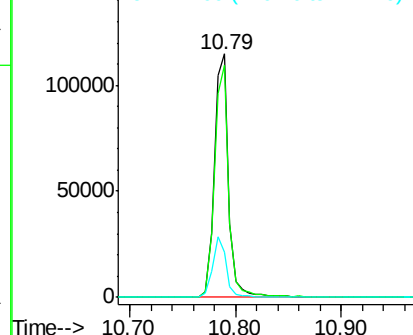
#41
 2,4,6-Tribromophenol
 Concen: 106.432 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	23.7	29.9	44.9#

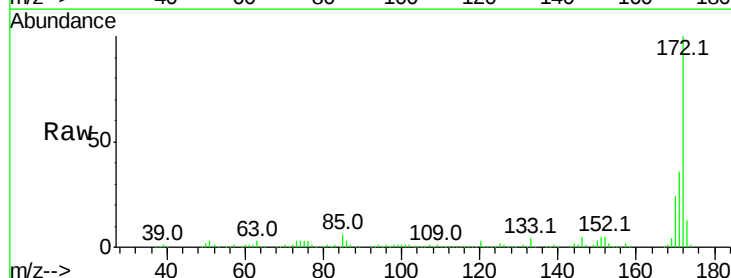


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

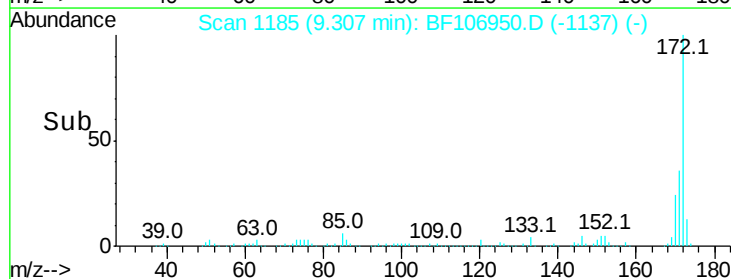
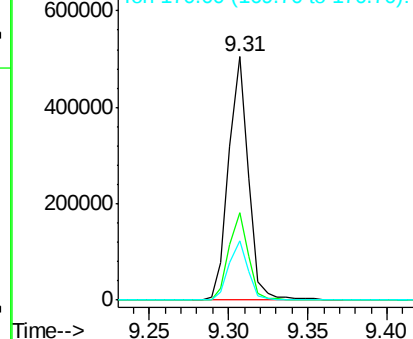


#44
 2-Fluorobiphenyl
 Concen: 83.379 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	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: 13.752 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

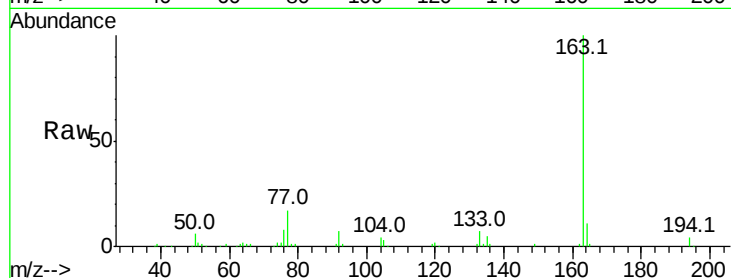
Tot Ion:163 Resp: 91337

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

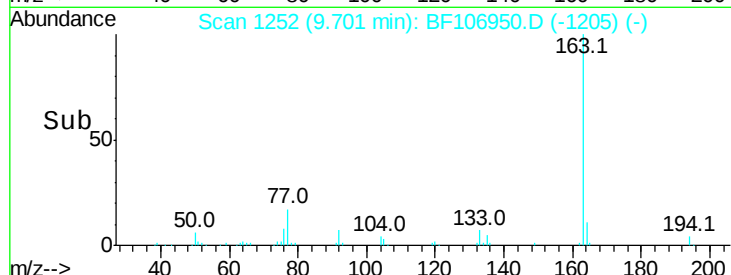
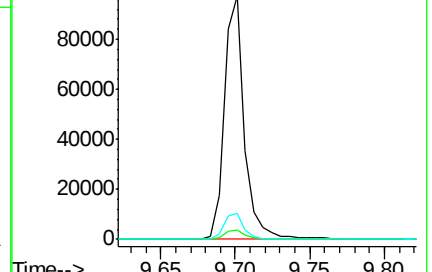
164 10.8 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

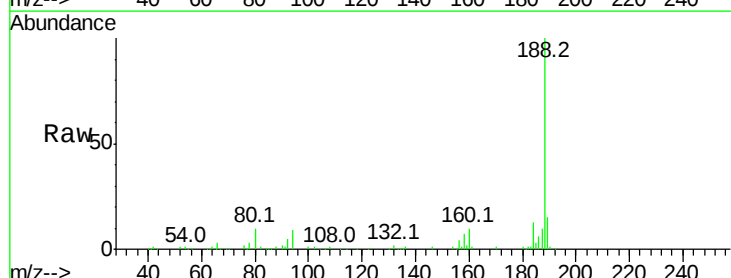
Tgt Ion:188 Resp: 158127

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

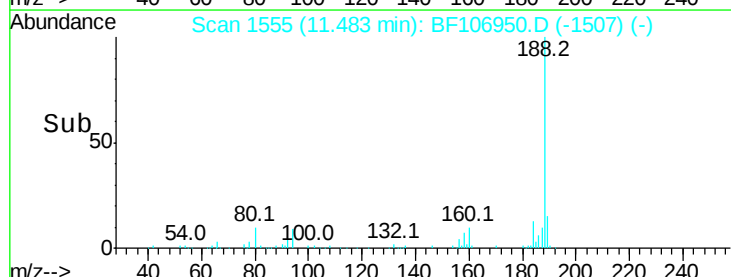
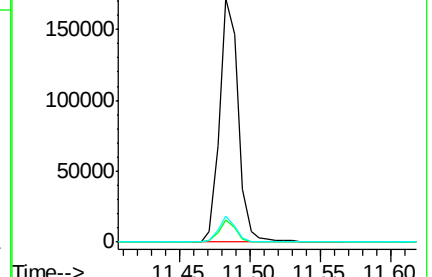
80 10.4 9.2 13.8

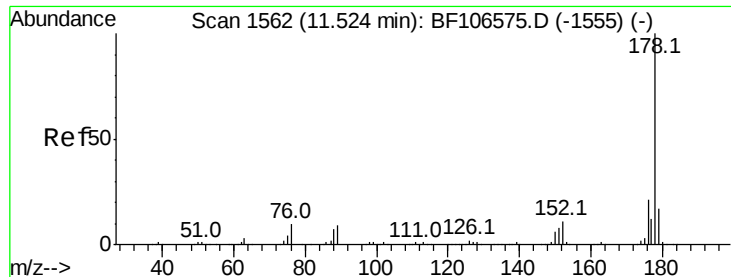


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

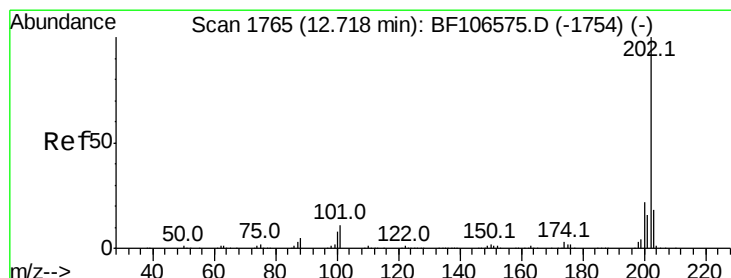
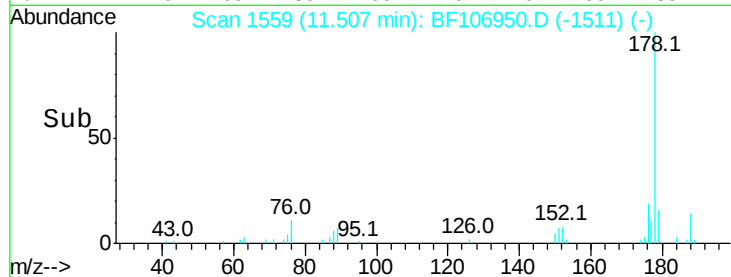
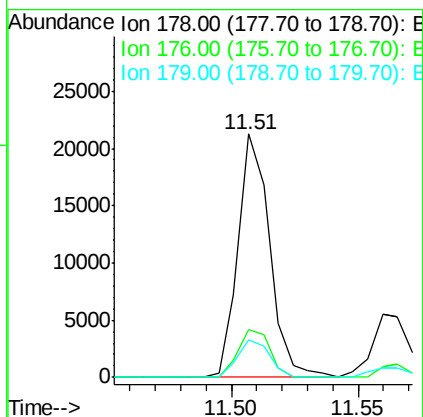
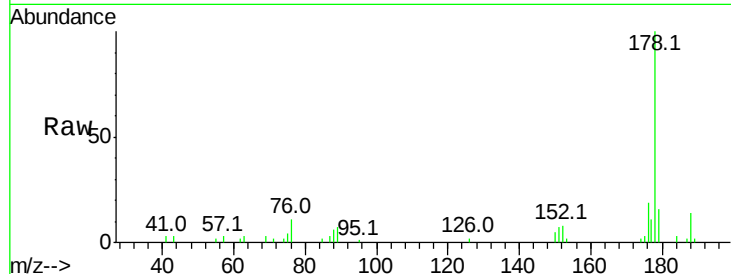




#70
Phenanthrene
Concen: 2.427 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

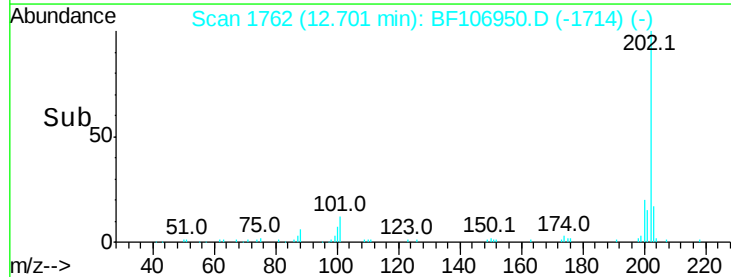
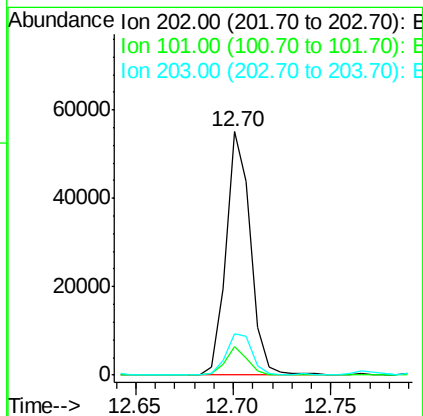
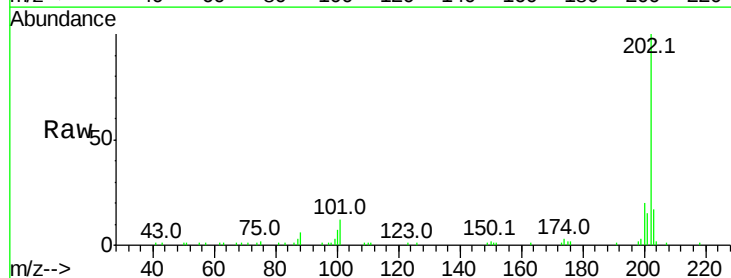
Instrument :
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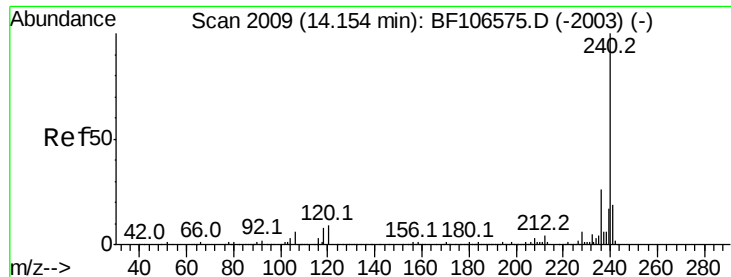
Tot Ion:178 Resp: 18510
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.5 13.0 19.6



#74
Fluoranthene
Concen: 5.666 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Tgt Ion:202 Resp: 47632
Ion Ratio Lower Upper
202 100
101 12.0 0.0 34.1
203 16.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

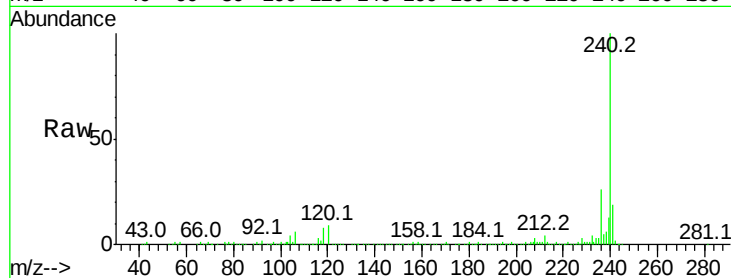
Tot Ion:240 Resp: 206609

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

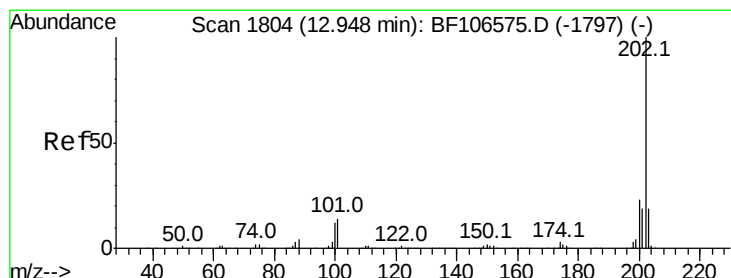
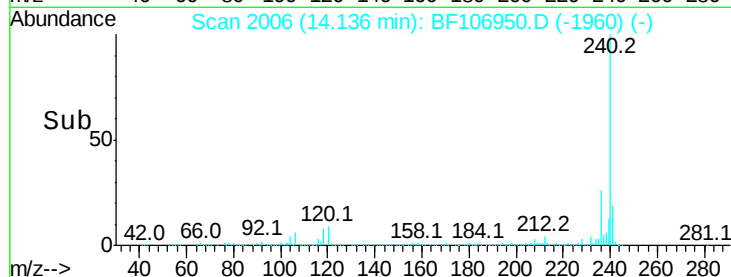
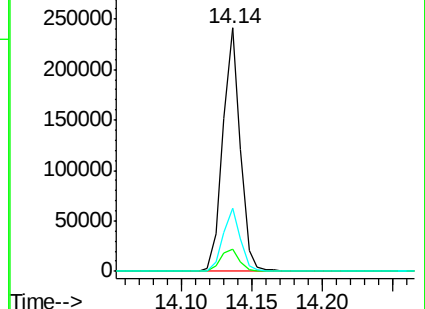
236 25.8 20.7 31.1



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: 3.385 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

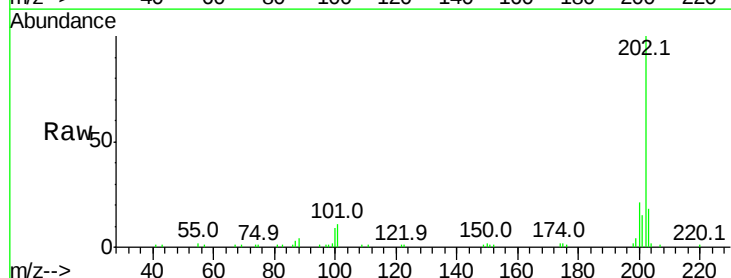
Tgt Ion:202 Resp: 46119

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

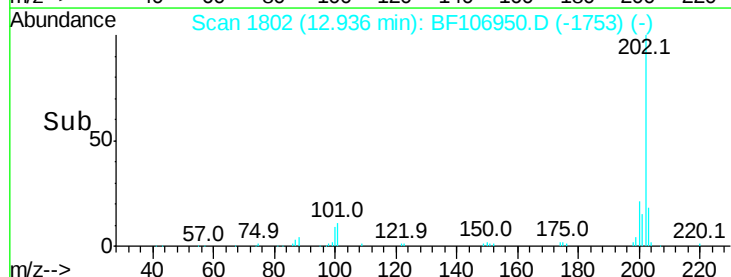
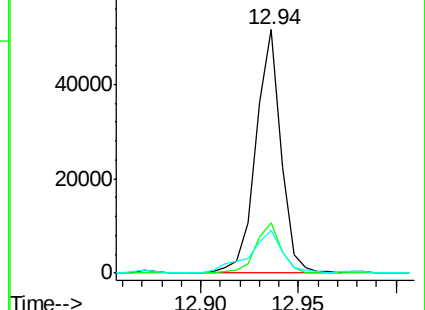
203 17.6 14.3 21.5

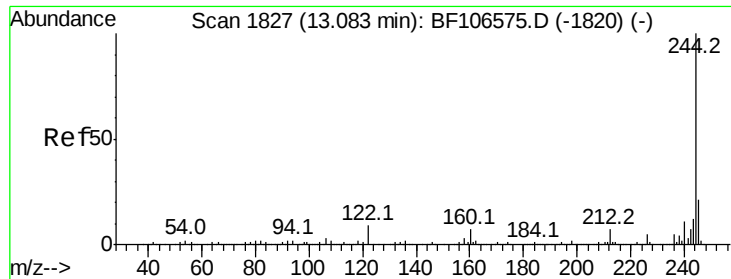


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

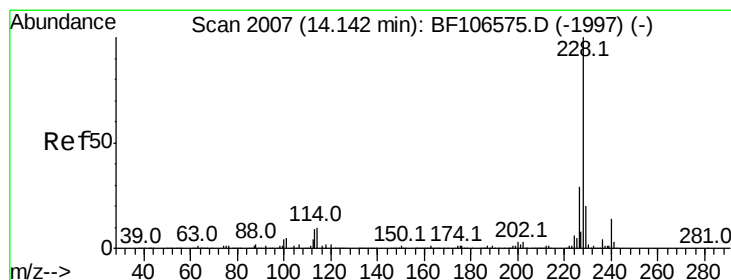
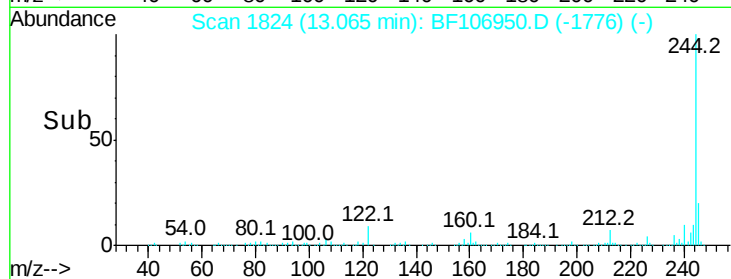
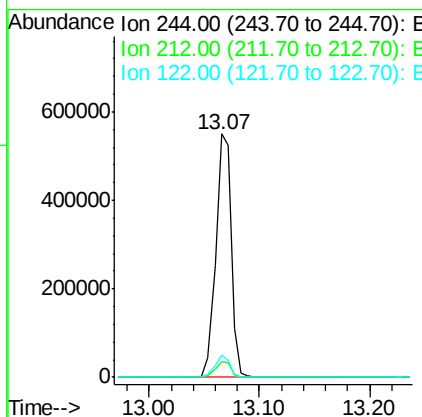
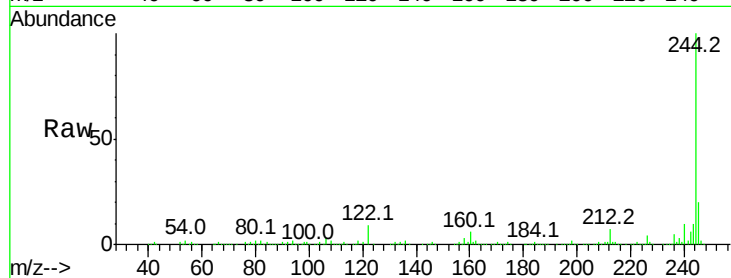




#78
 Terphenyl-d14
 Concen: 62.322 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

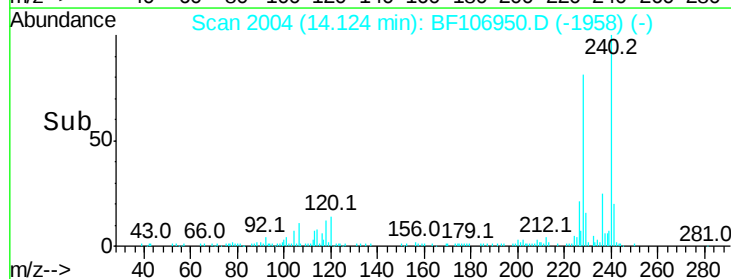
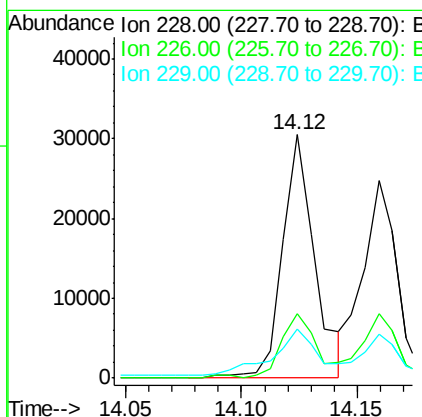
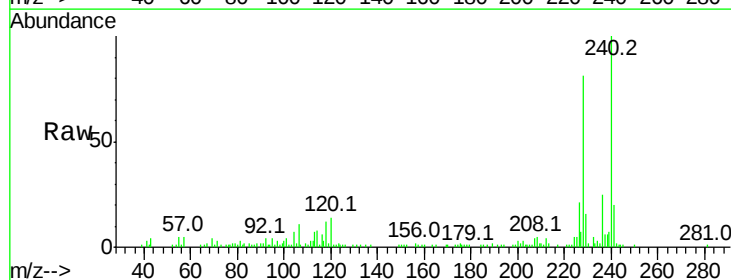
Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-4

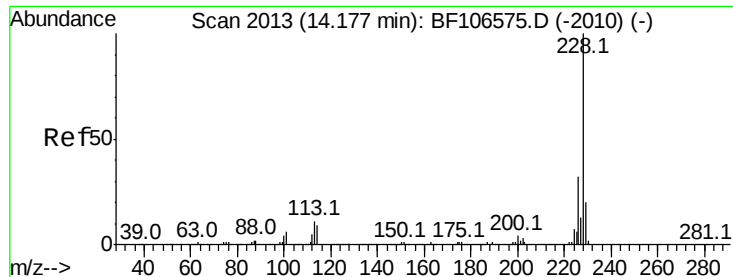
Tot Ion:244 Resp: 531574
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.332 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

Tgt Ion:228 Resp: 29362
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.6 33.8
 229 20.2 15.8 23.6





#82

Chrysene

Concen: 2.241 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

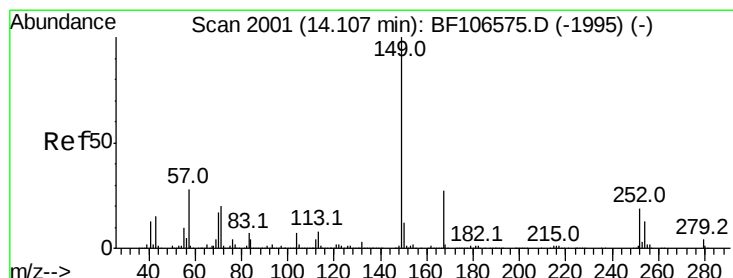
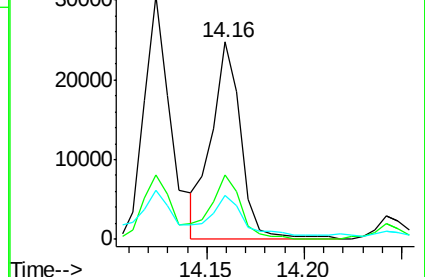
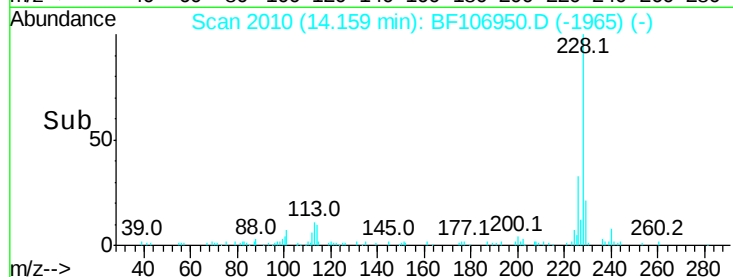
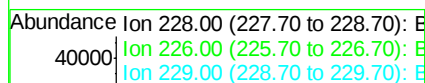
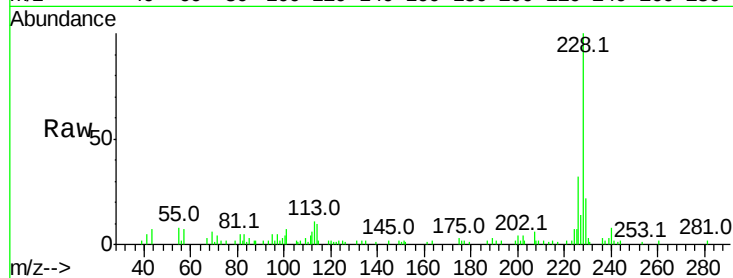
Tot Ion:228 Resp: 25965

Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	22.2	16.2	24.4

228 100

226 32.4 25.0 37.6

229 22.2 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.148 ng

RT: 14.09 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

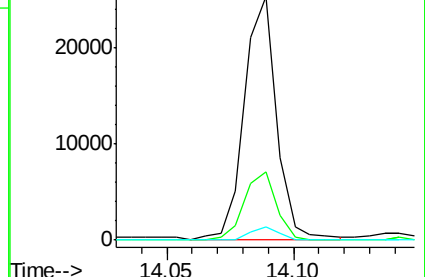
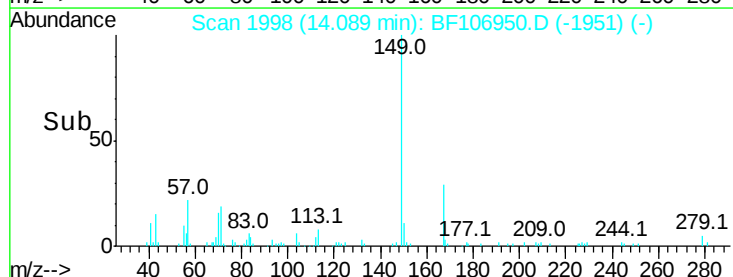
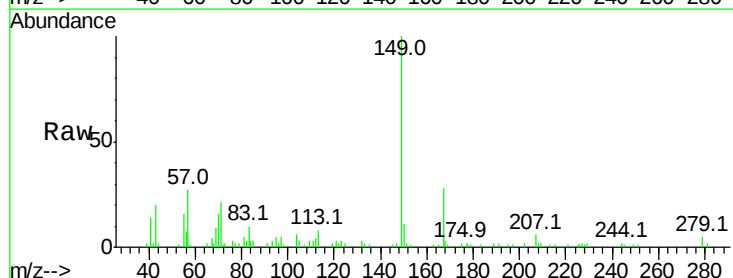
Tgt Ion:149 Resp: 22547

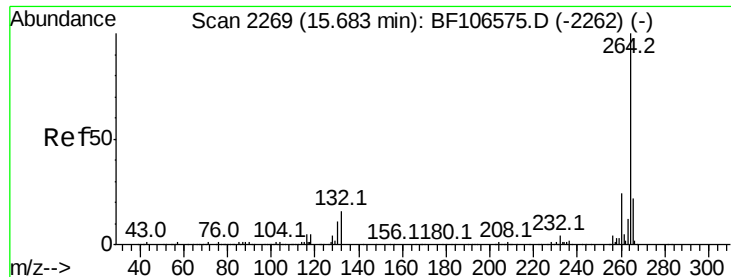
Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.3	31.9
279	5.2	3.0	4.4#

149 100

167 28.3 21.3 31.9

279 5.2 3.0 4.4#

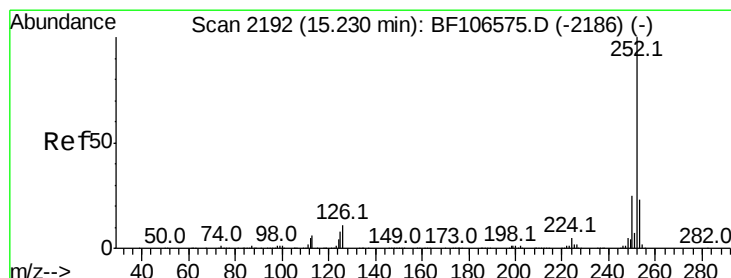
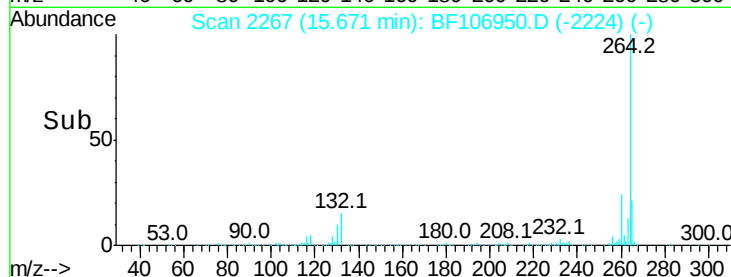
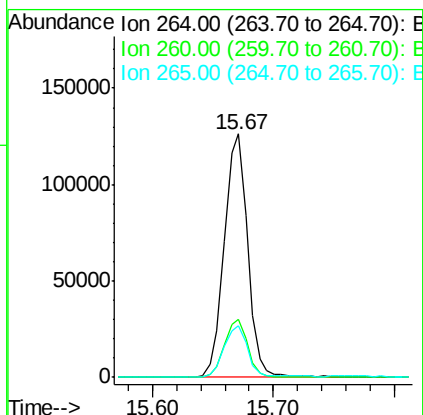
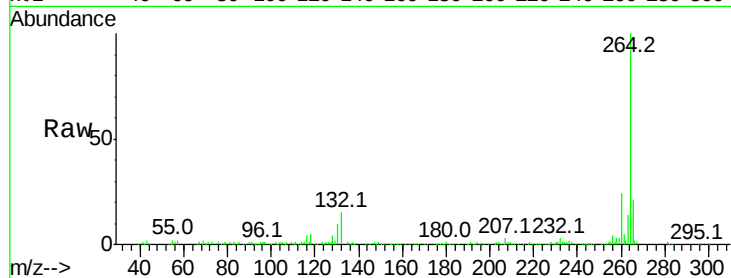




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.05 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

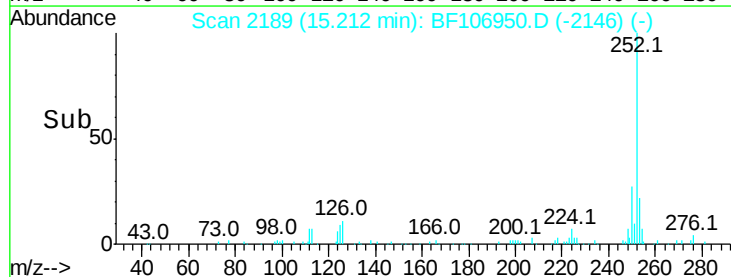
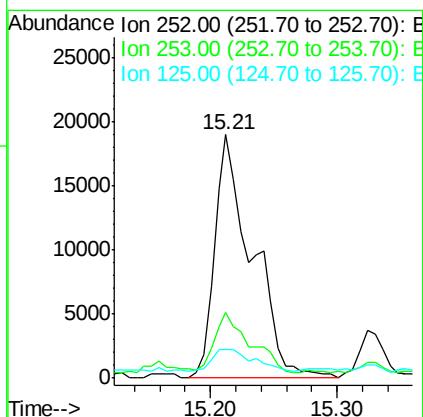
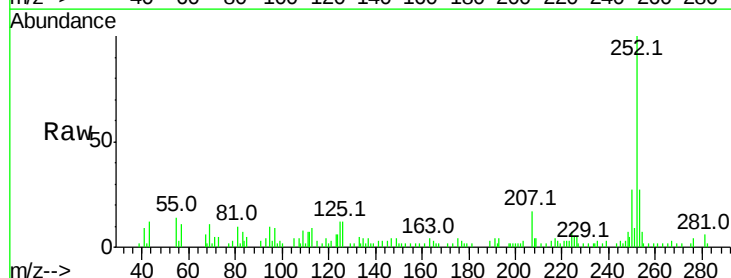
Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-4

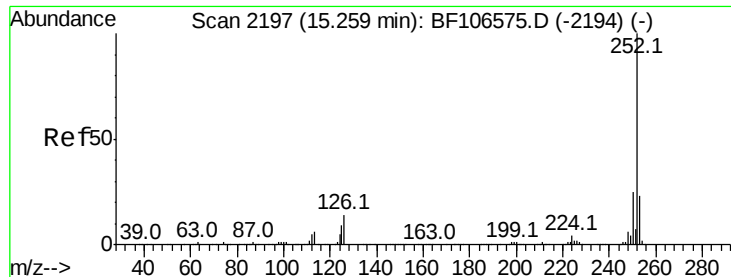
Tot Ion:264 Resp: 170403
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.0 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 3.695 ng
 RT: 15.21 min Scan# 2189
 Delta R.T. -0.05 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

Tgt Ion:252 Resp: 39112
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.0 25.6#
 125 11.9 9.0 13.6

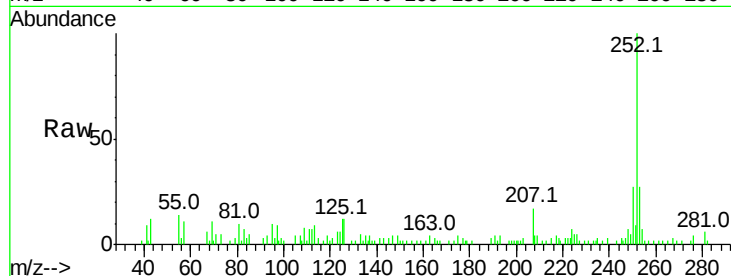




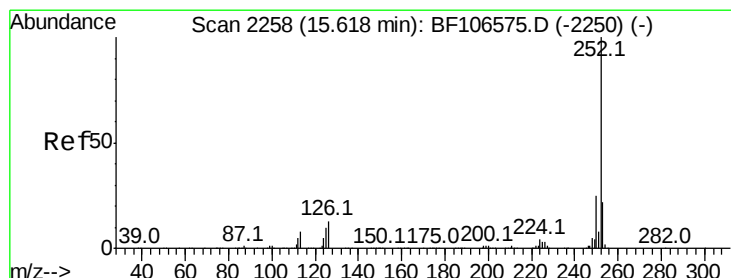
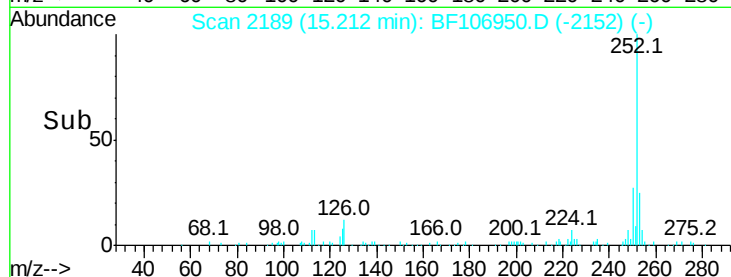
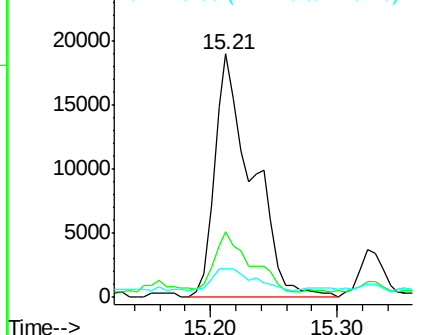
#88
Benzo(k)fluoranthene
Concen: 3.880 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tot Ion:252 Resp: 39112
Ion Ratio Lower Upper
252 100
253 26.8 17.9 26.9
125 11.9 10.2 15.2

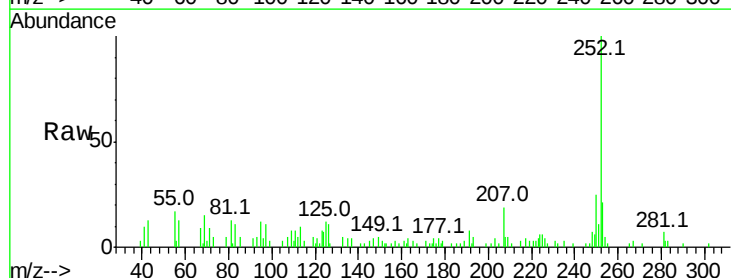


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.122 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Tgt Ion:252 Resp: 19972
Ion Ratio Lower Upper
252 100
253 21.0 17.1 25.7
125 12.1 9.8 14.6



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

