

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 05:58:25 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

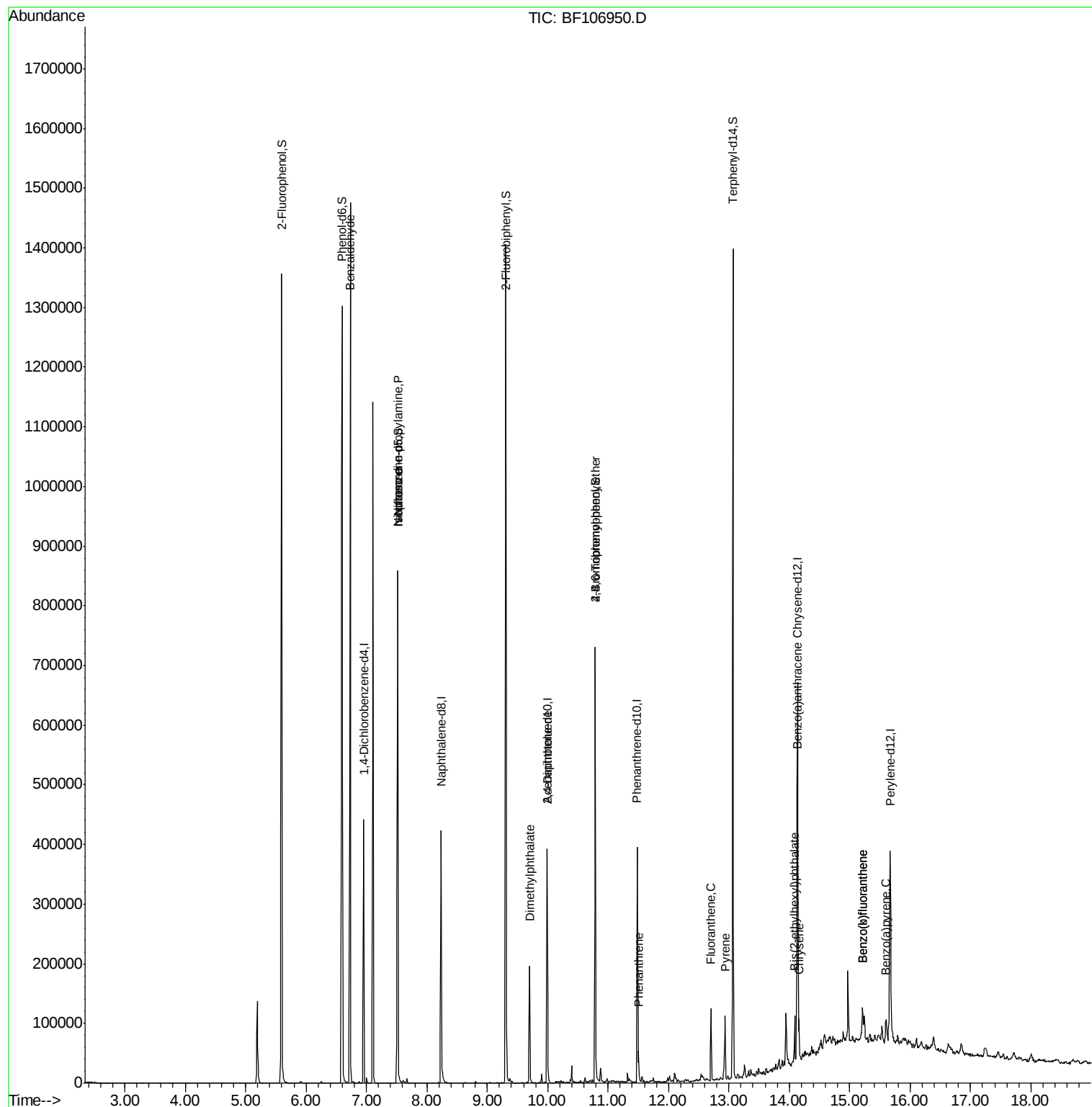
						Qvalue
9) Benzaldehyde	6.73	77	8460	2.188	ng	88
19) n-Nitroso-di-n-propylamine	7.52	70	36307	11.963	ng	# 75
25) Isophorone	7.52	82	286241	41.973	ng	# 64
49) Dimethylphthalate	9.70	163	91337	13.752	ng	98
56) 2,4-Dinitrotoluene	9.99	165	10801	5.883	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	7012	3.716	ng	# 1
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

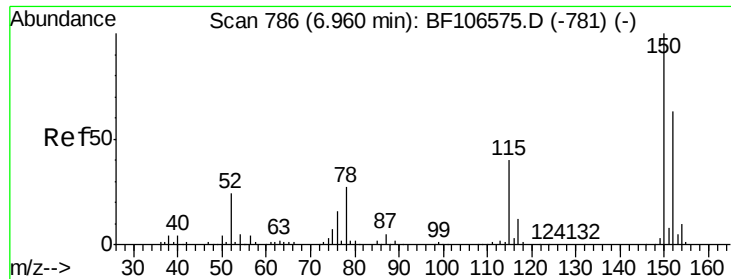
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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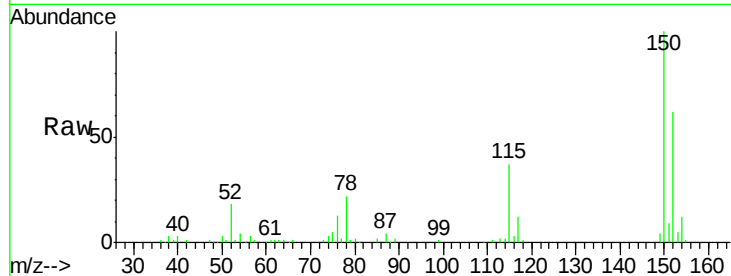


#1

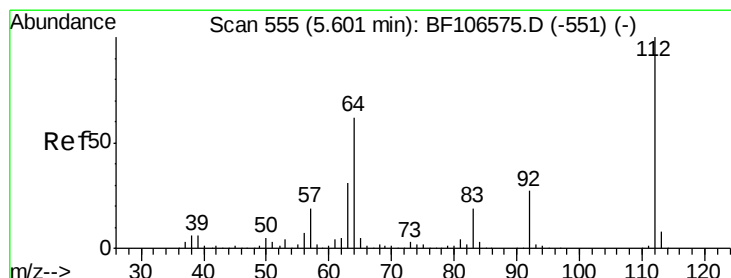
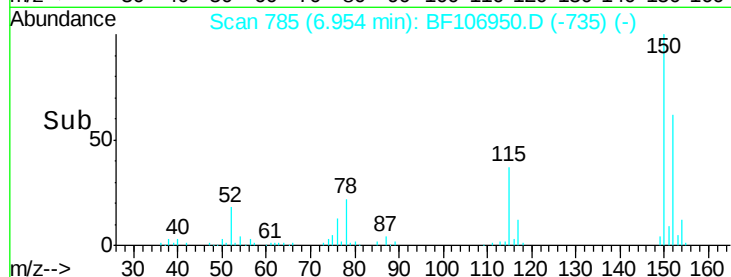
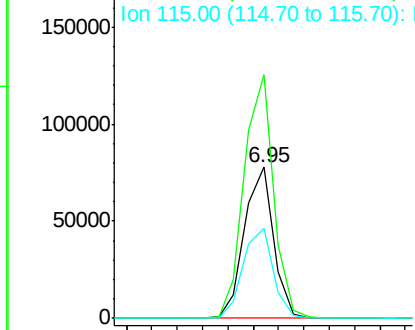
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

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

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



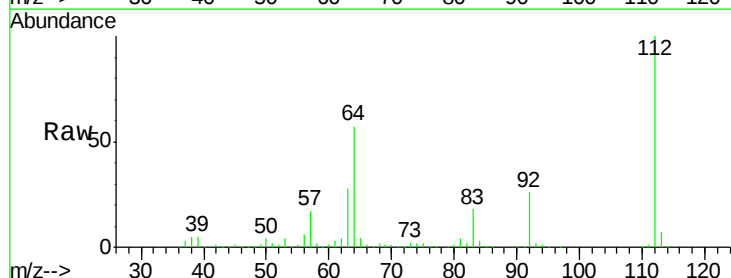
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



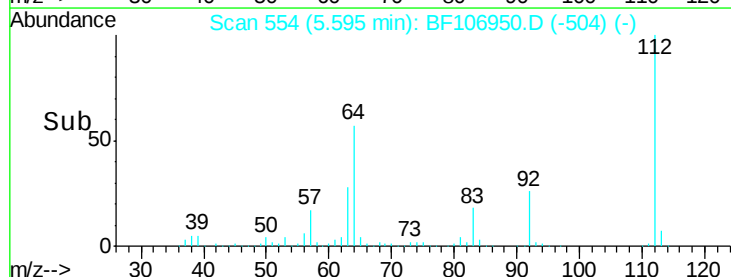
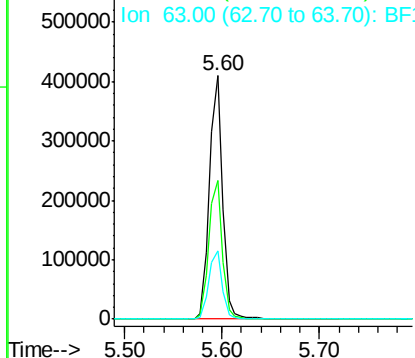
#5

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

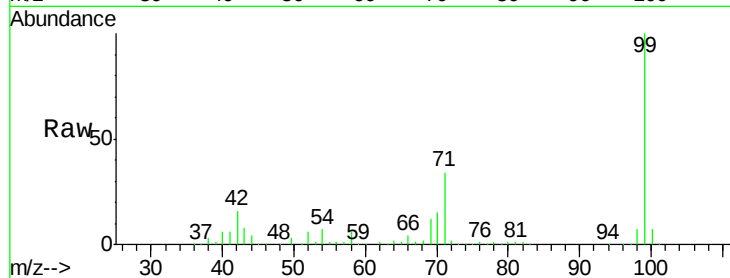
Tgt Ion: 99 Resp: 466626

Ion Ratio Lower Upper

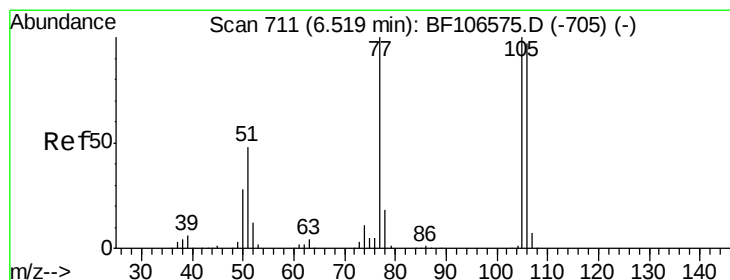
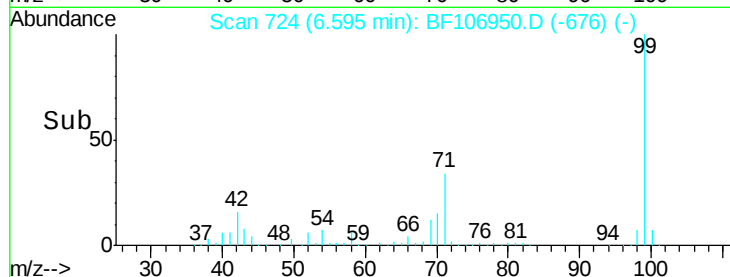
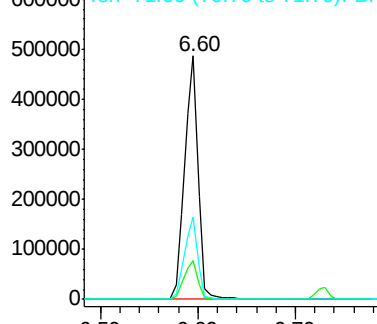
99 100

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



#9

Benzaldehyde

Concen: 2.188 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

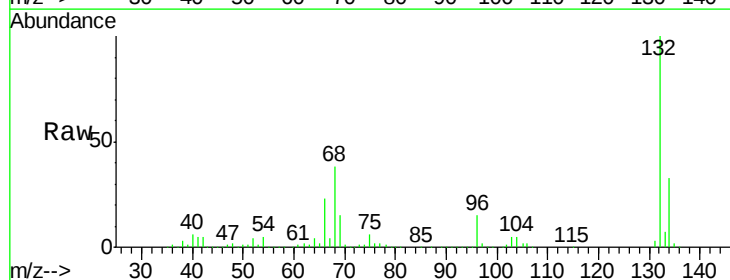
Tgt Ion: 77 Resp: 8460

Ion Ratio Lower Upper

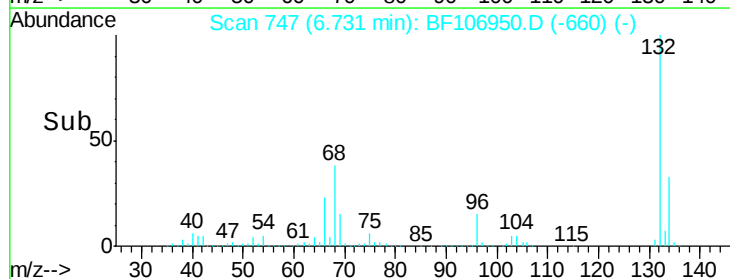
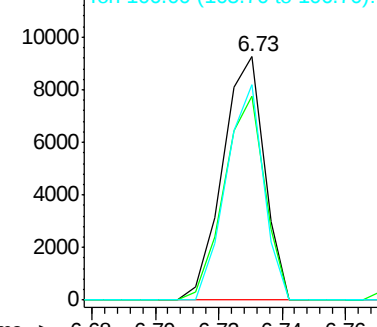
77 100

105 83.6 81.1 121.1

106 88.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

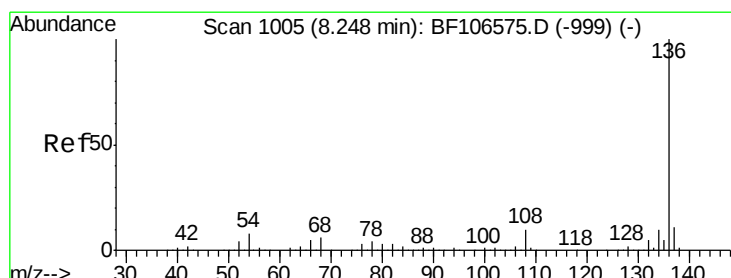
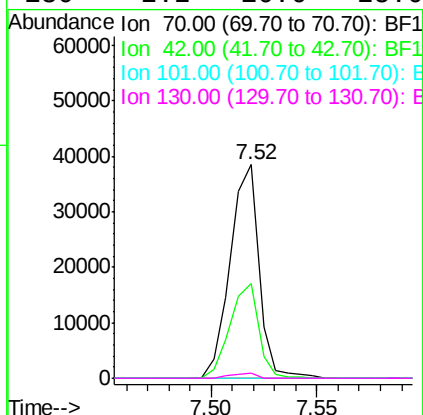
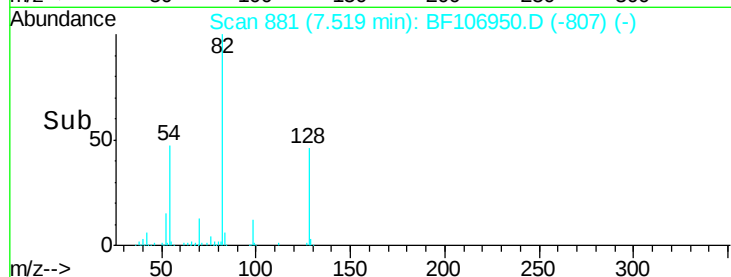
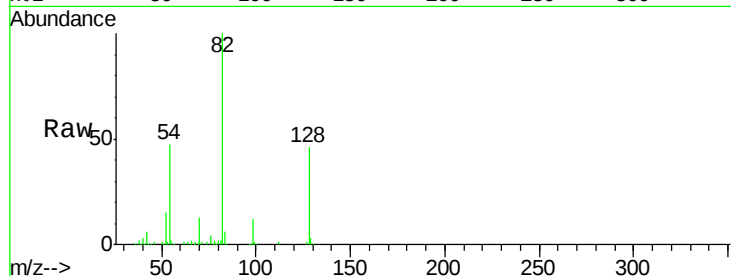




#19
n-Nitroso-di-n-propylamine
Concen: 11.963 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

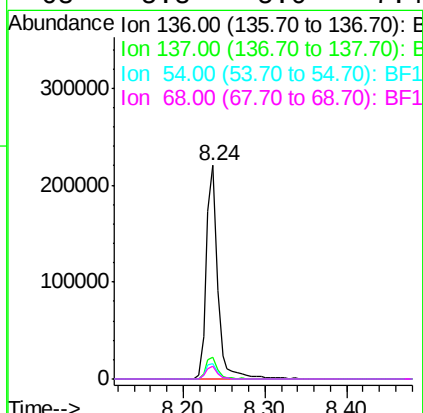
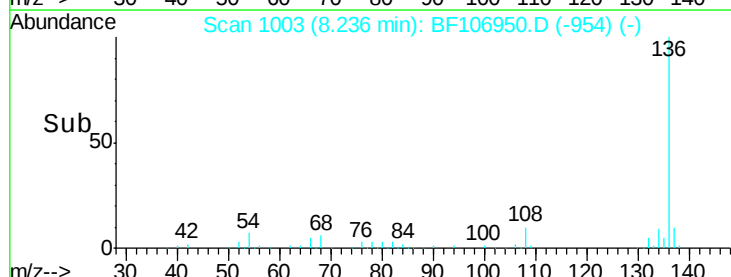
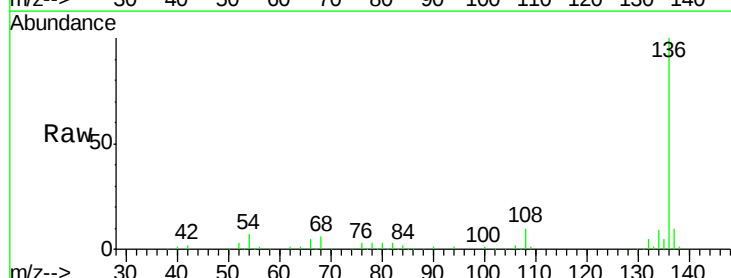
Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

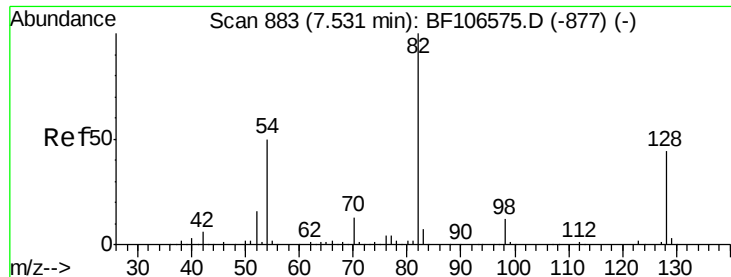
Tgt Ion: 70 Resp: 36307
Ion Ratio Lower Upper
70 100
42 44.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#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

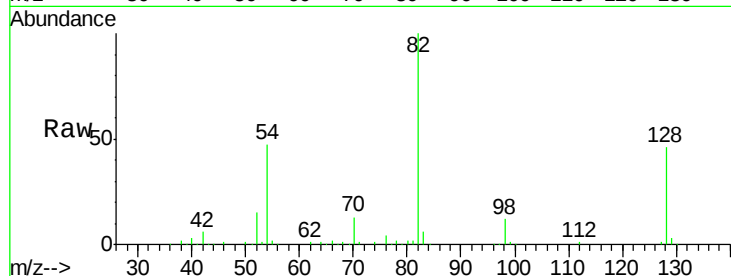




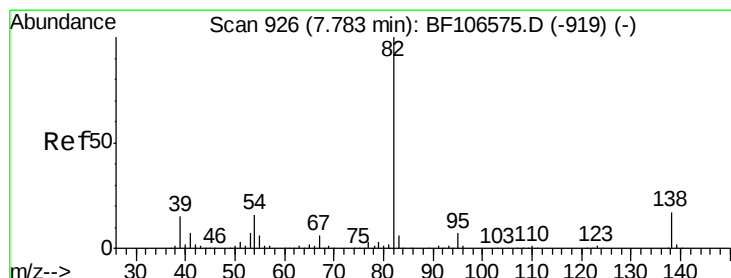
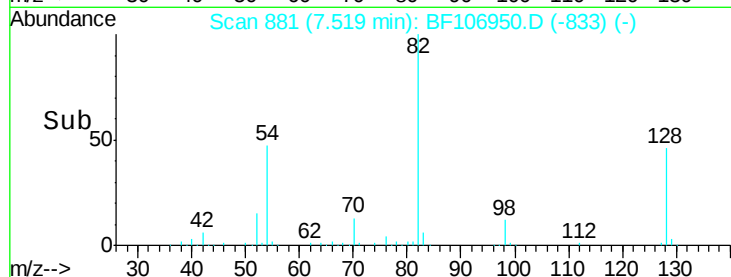
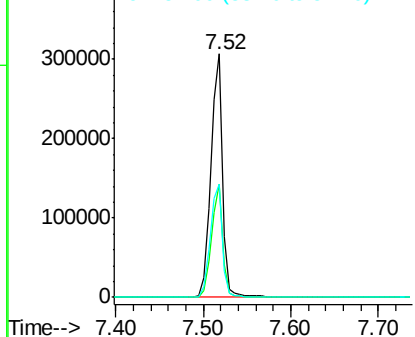
#23
Nitrobenzene-d5
Concen: 73.963 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

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

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

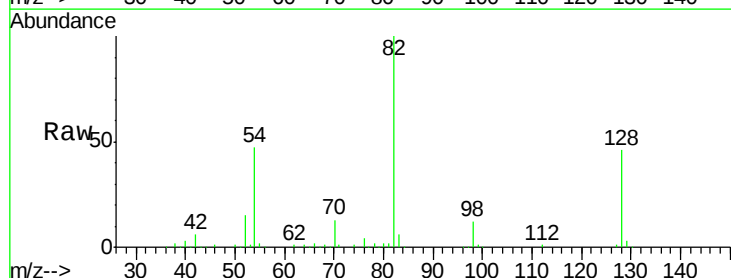


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

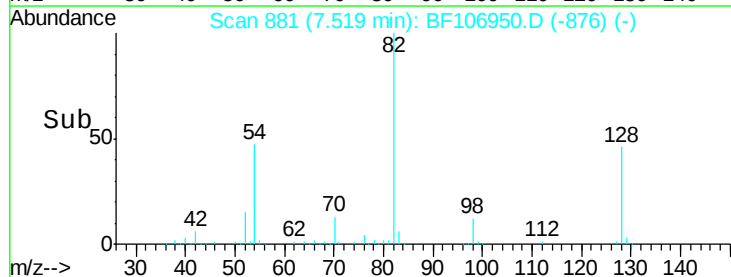
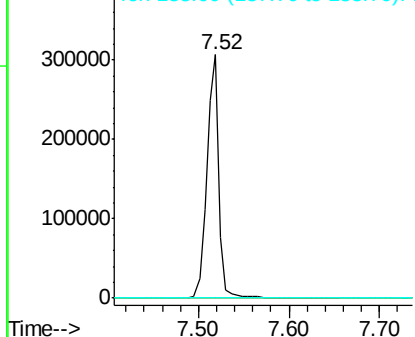


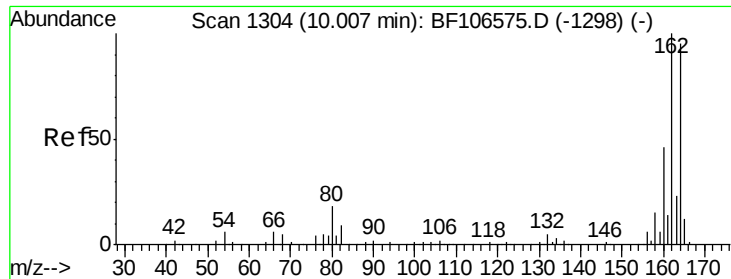
#25
Isophorone
Concen: 41.973 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.27 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

Tgt Ion: 82 Resp: 286241
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

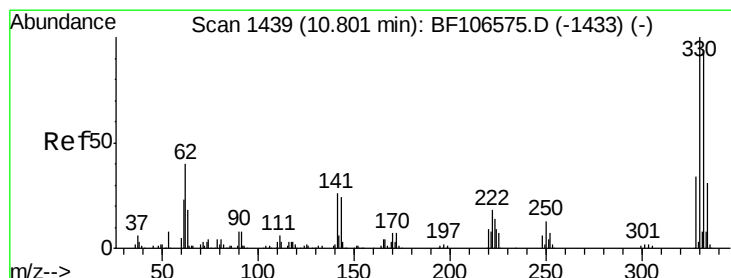
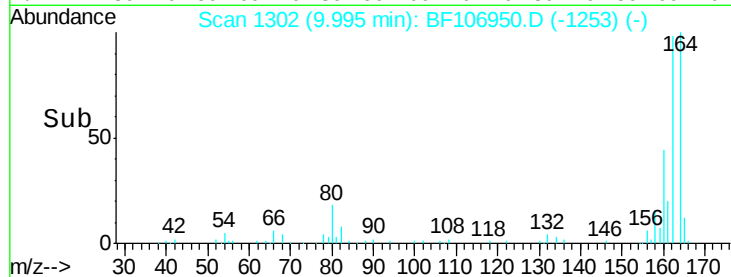
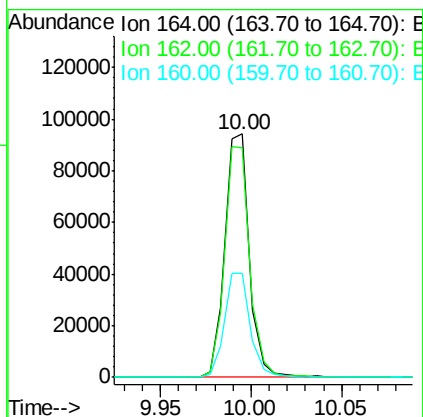
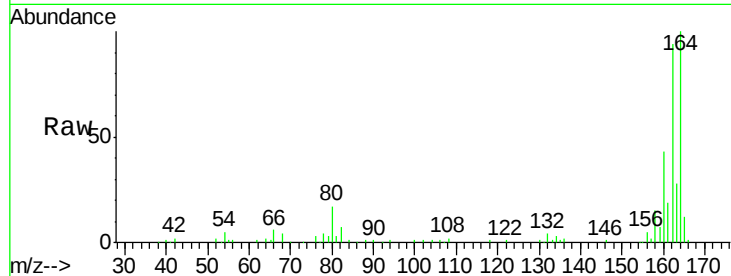




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

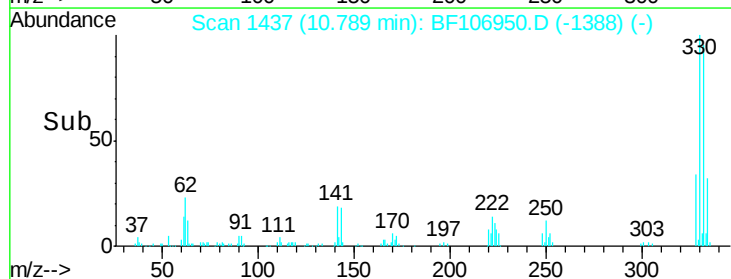
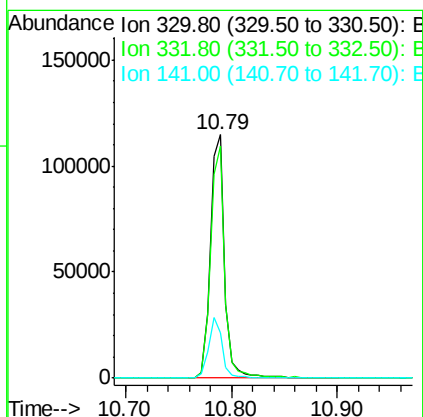
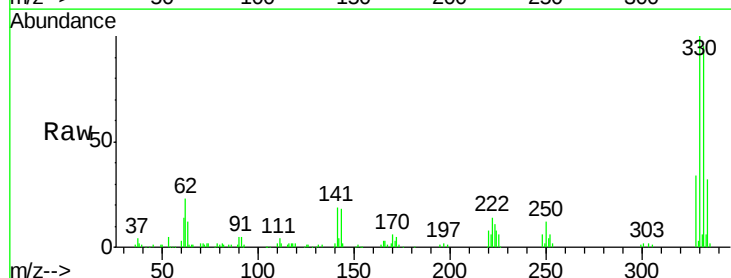
Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-4

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



#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

Tgt Ion:330 Resp: 109243
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 23.7 29.9 44.9#

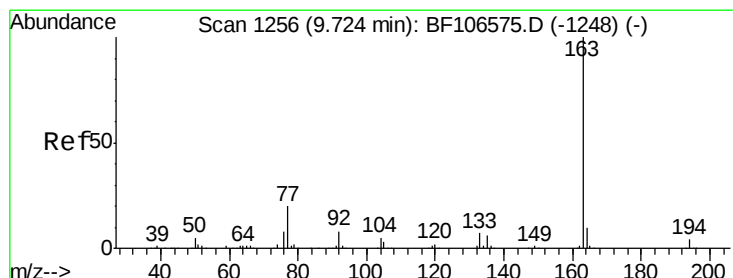
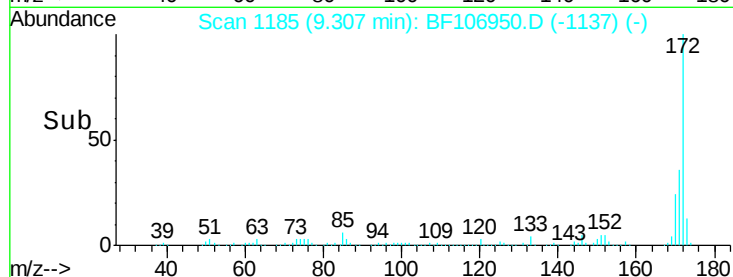
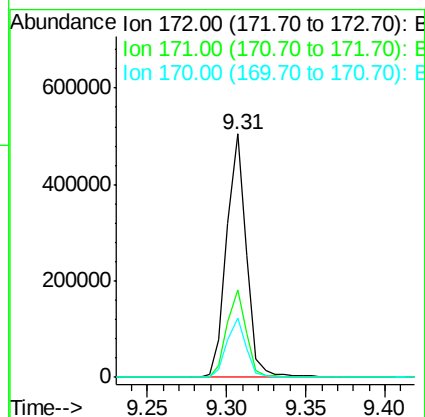
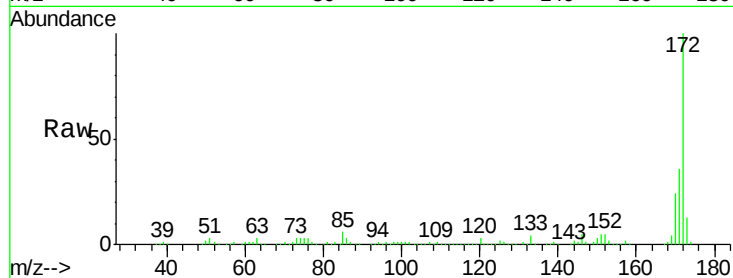




#44
2-Fluorobiphenyl
Concen: 83.379 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

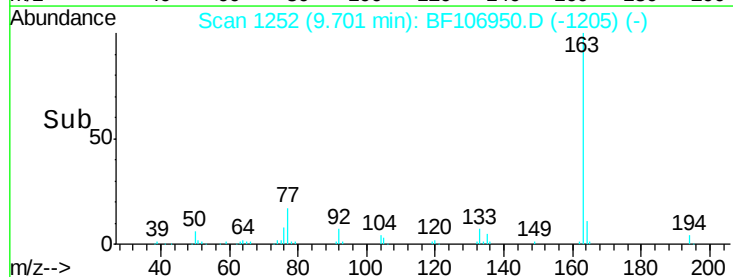
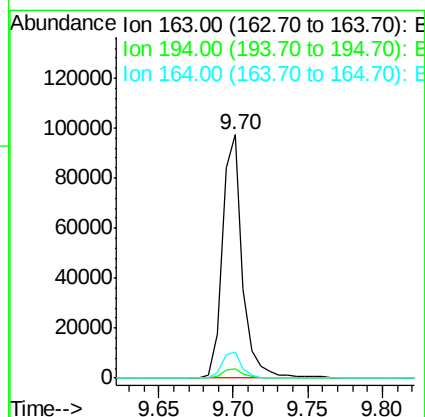
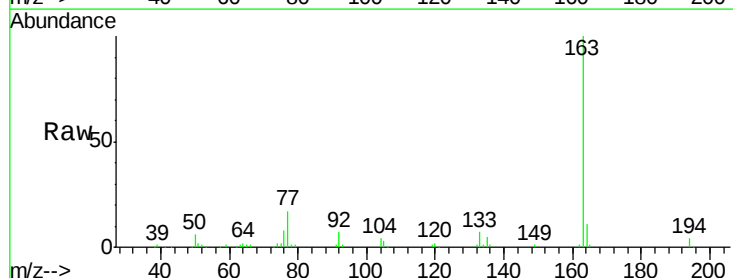
Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-4

Tgt Ion:172 Resp: 437711
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4



#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

Tgt Ion:163 Resp: 91337
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.8 8.2 12.2

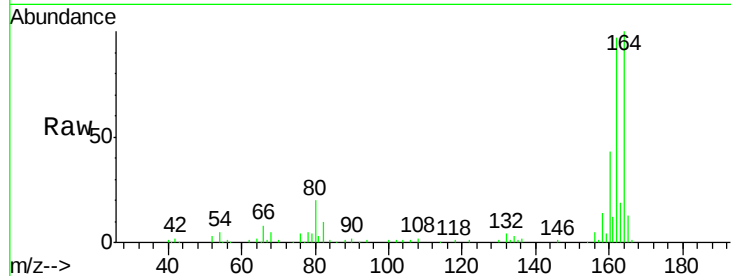




#56
2,4-Dinitrotoluene
Concen: 5.883 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

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

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

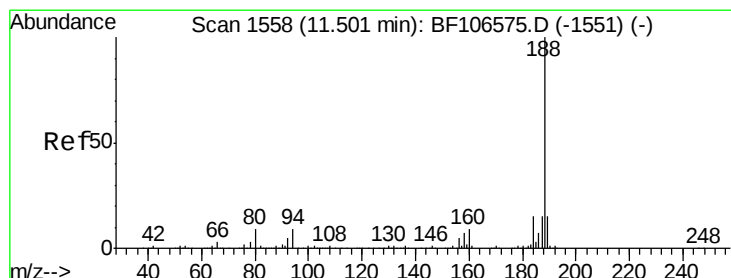
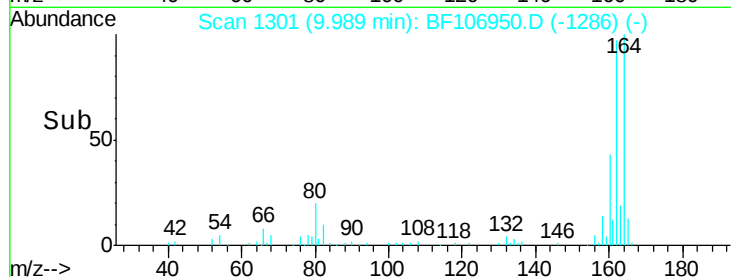
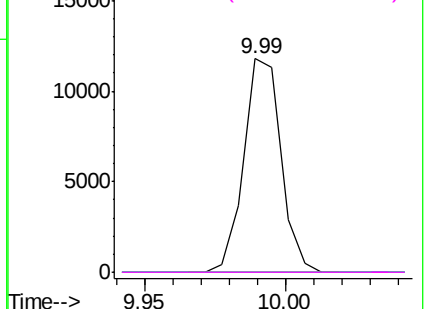


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

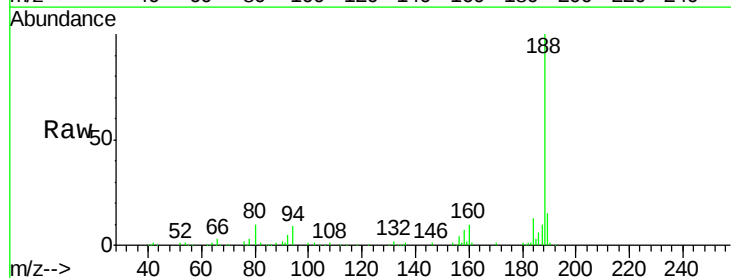
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF106950.D
Acq: 29 Jun 2018 4:29

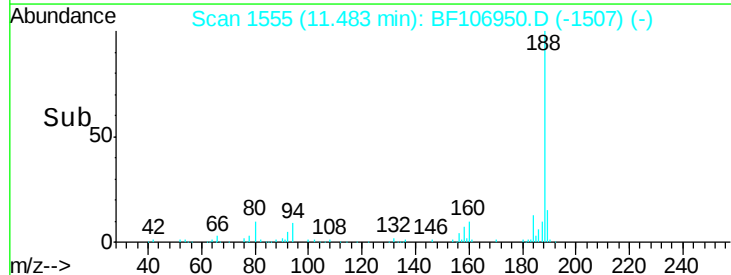
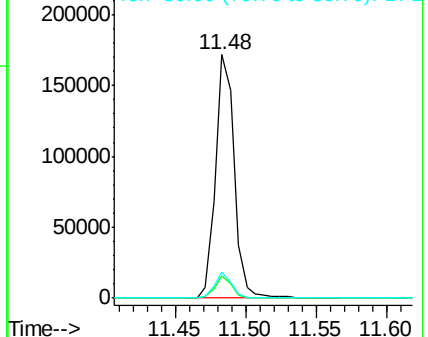
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.4	9.2	13.8



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

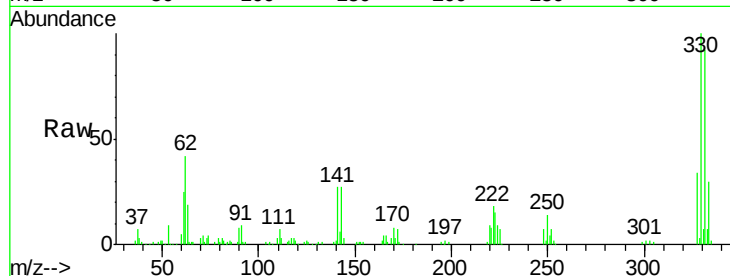




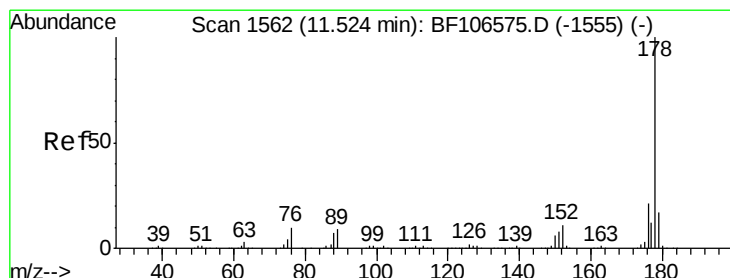
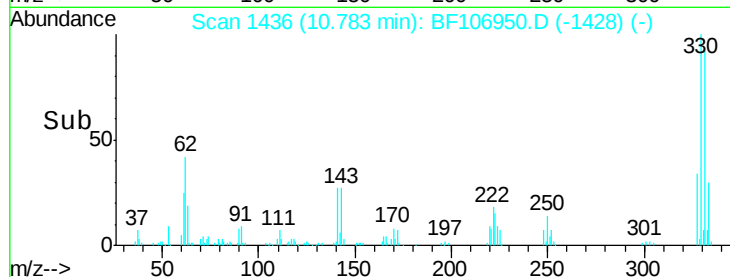
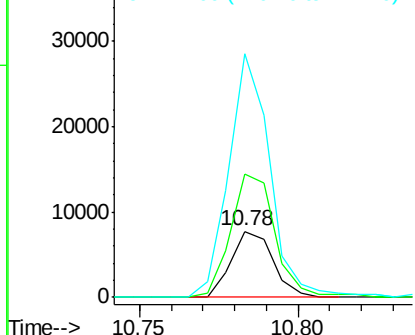
#66
 4-Bromophenyl-phenylether
 Concen: 3.716 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

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

Tgt Ion: 248 Resp: 7012
 Ion Ratio Lower Upper
 248 100
 250 186.3 76.9 115.3#
 141 369.7 74.4 111.6#

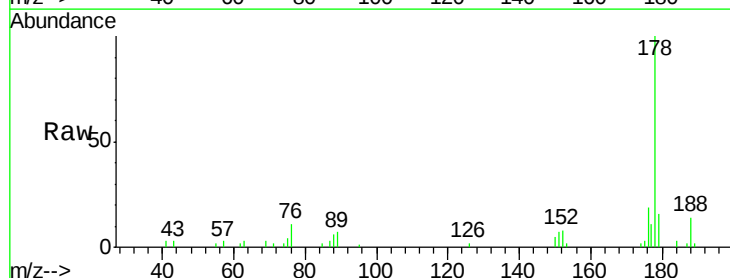


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

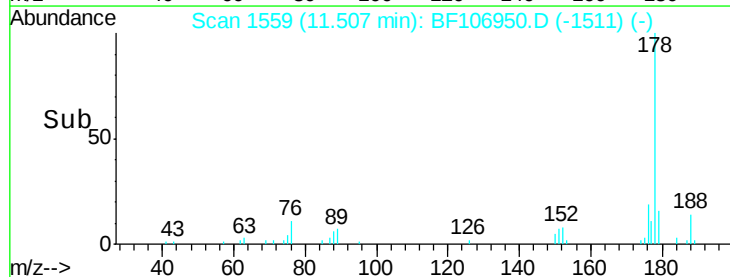
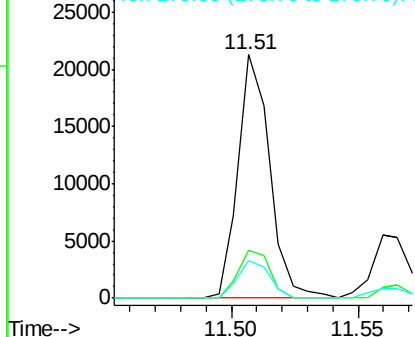


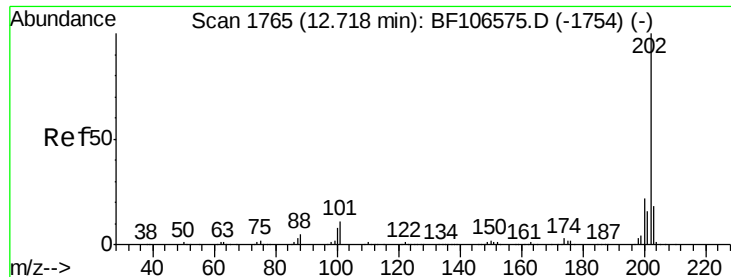
#70
 Phenanthrene
 Concen: 2.427 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

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



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#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

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

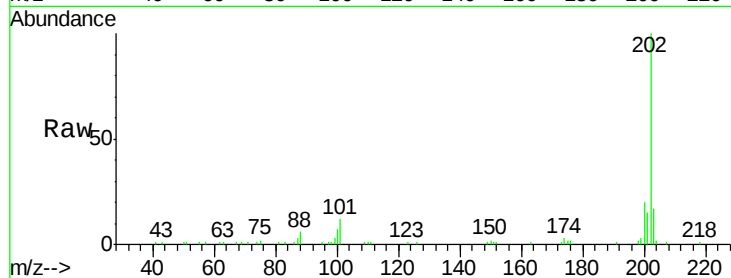
Tgt Ion: 202 Resp: 47632

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

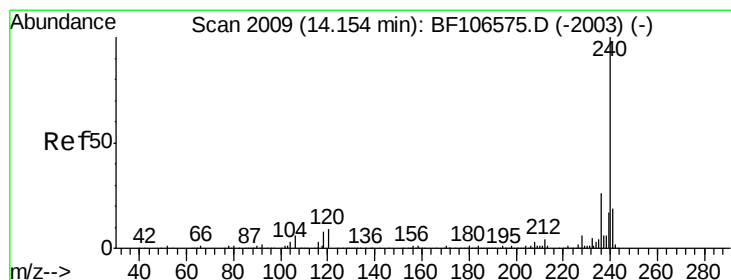
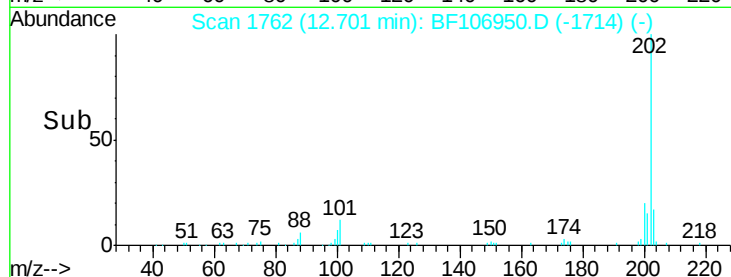
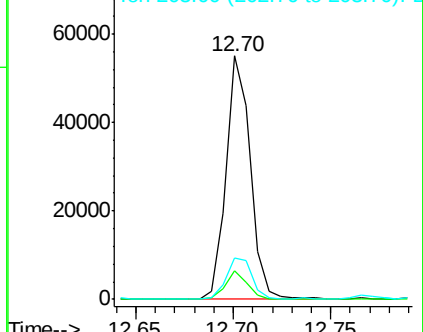
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#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

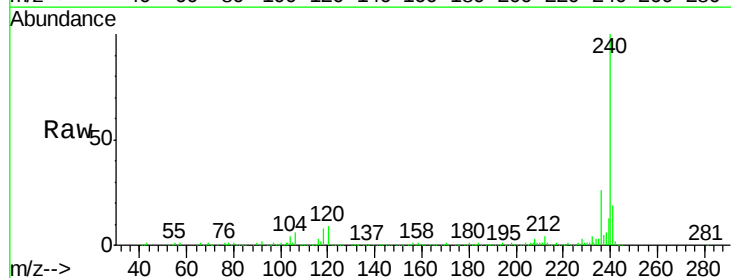
Tgt Ion: 240 Resp: 206609

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

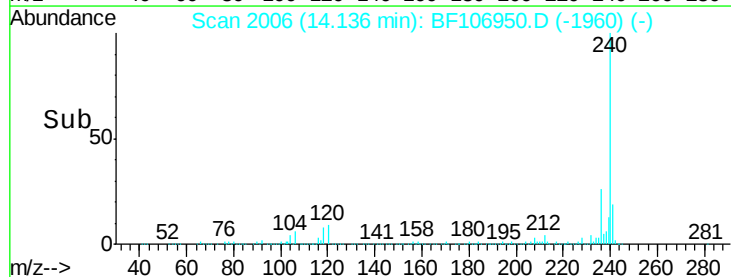
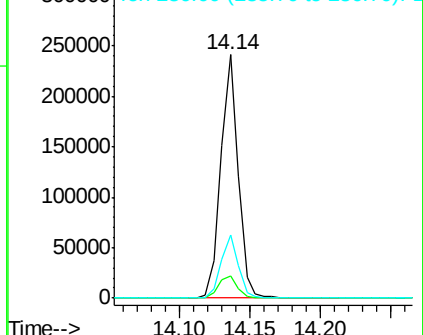
236 25.8 20.7 31.1

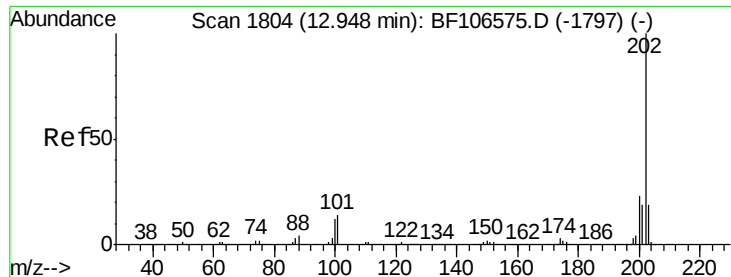


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

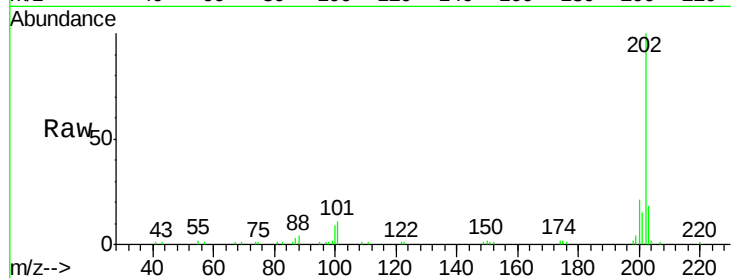
Tgt Ion: 202 Resp: 46119

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

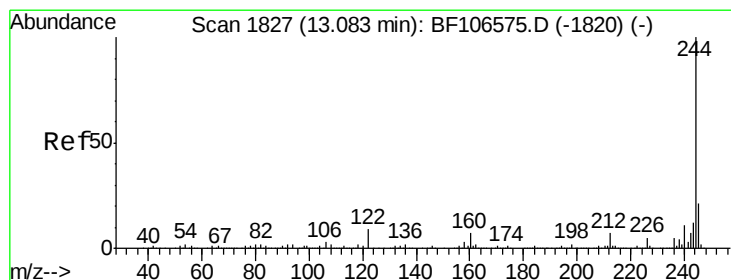
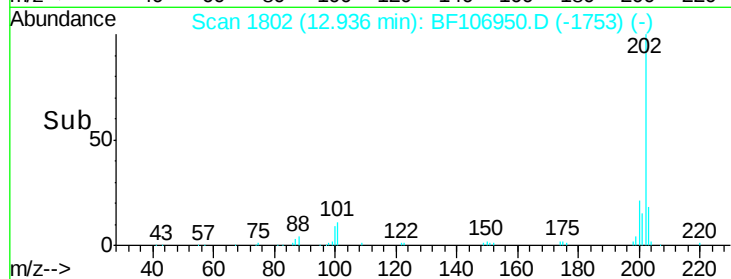
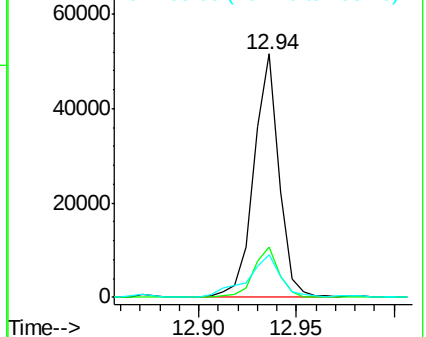
203 17.6 14.3 21.5



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

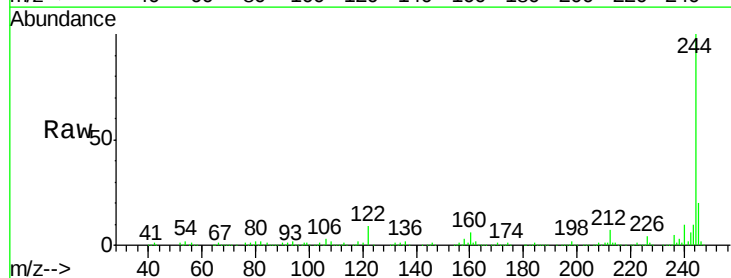
Tgt Ion: 244 Resp: 531574

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

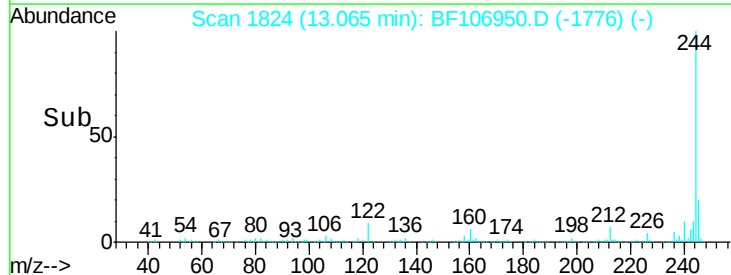
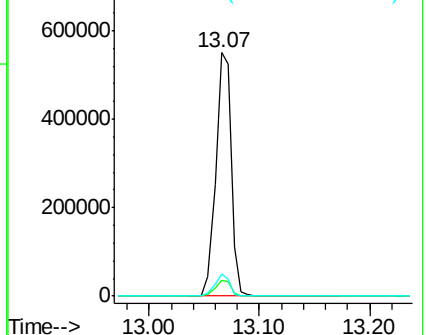
122 9.3 11.0 16.4#

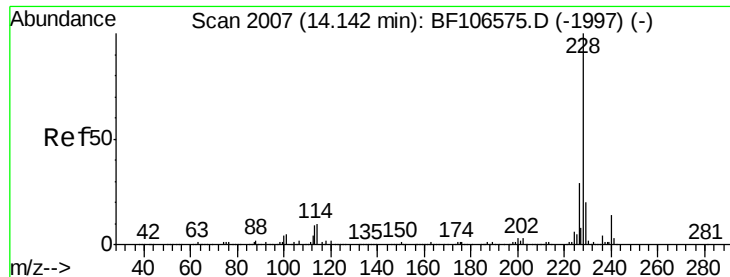


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#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

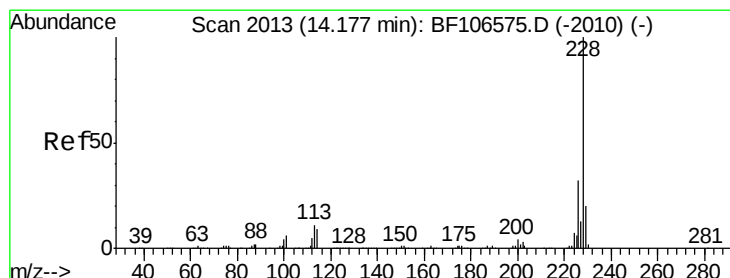
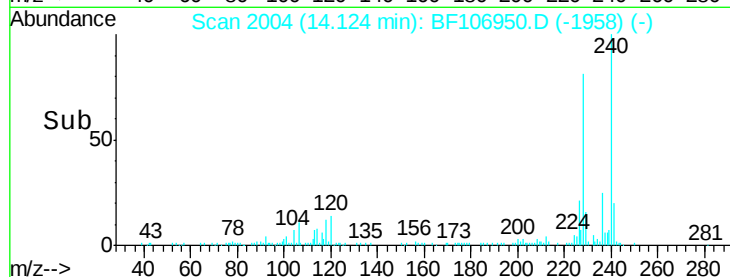
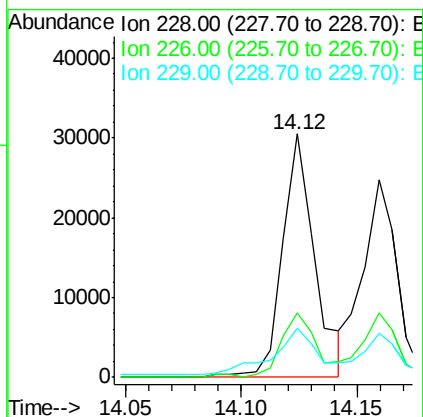
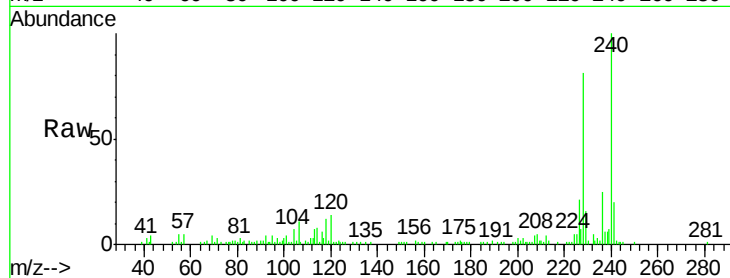
Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

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

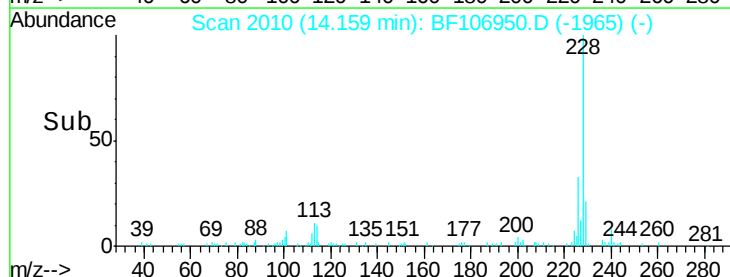
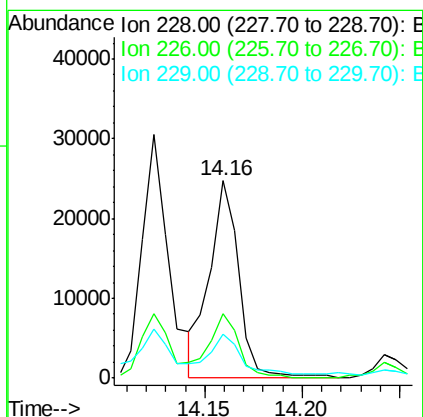
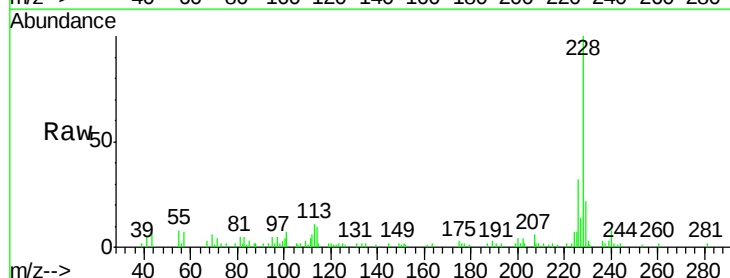
RT: 14.16 min Scan# 2010

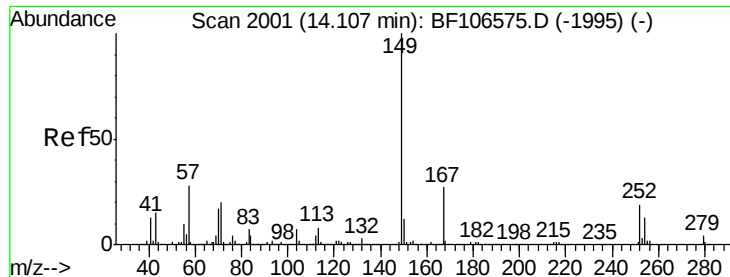
Delta R.T. -0.04 min

Lab File: BF106950.D

Acq: 29 Jun 2018 4:29

Tgt Ion:	228	Resp:	25965
Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	22.2	16.2	24.4

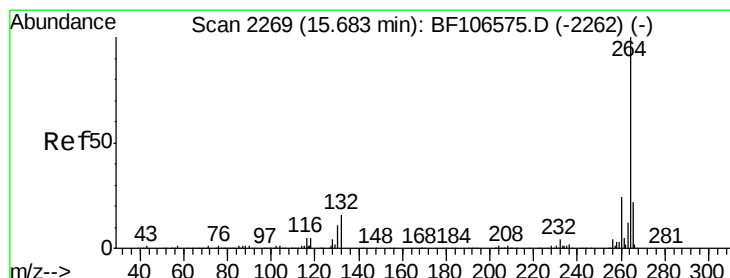
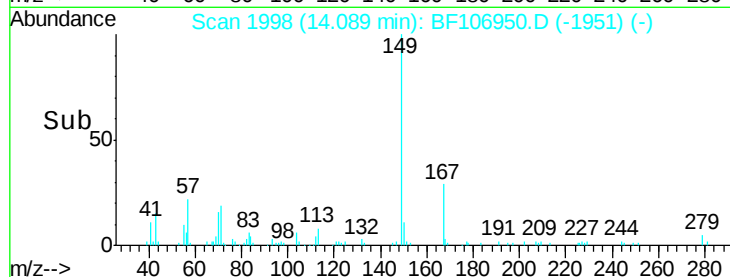
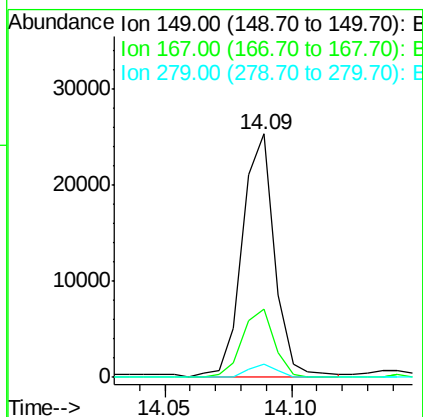
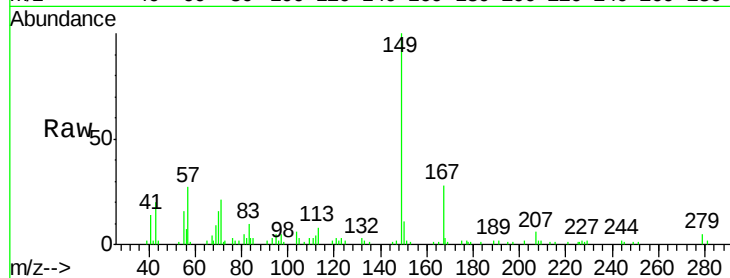




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.148 ng
 RT: 14.09 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BF106950.D
 Acq: 29 Jun 2018 4:29

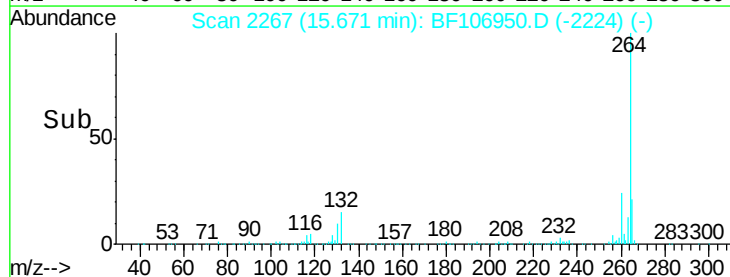
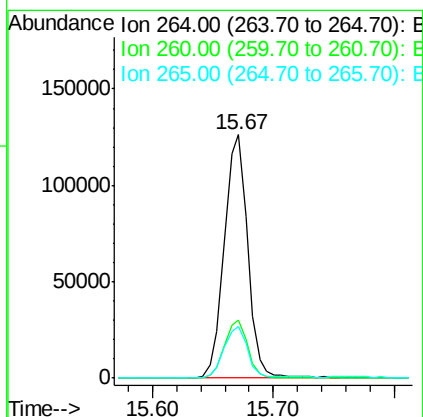
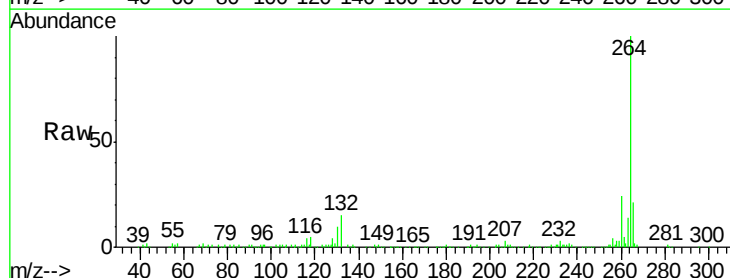
Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-4

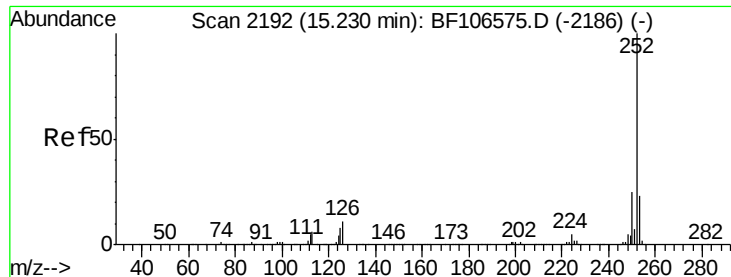
Tgt Ion:149 Resp: 22547
 Ion Ratio Lower Upper
 149 100
 167 28.3 21.3 31.9
 279 5.2 3.0 4.4#



#86
 Perylene-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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4

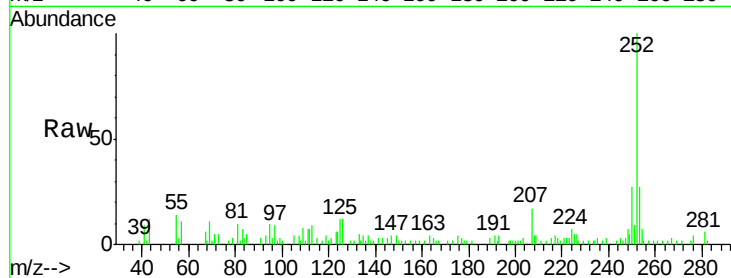
Tgt Ion:252 Resp: 39112

Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.6#

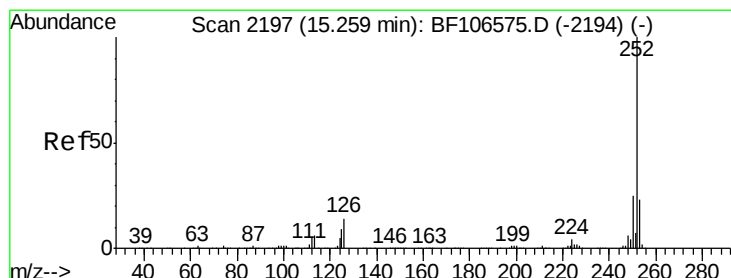
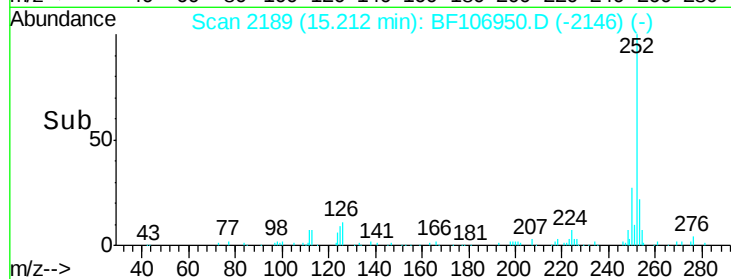
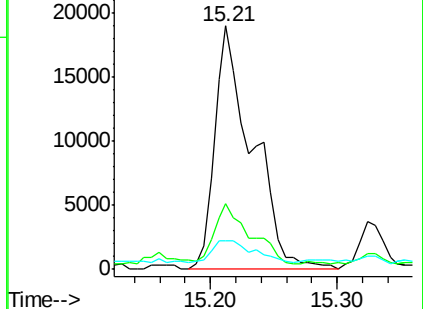
125 11.9 9.0 13.6



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



#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

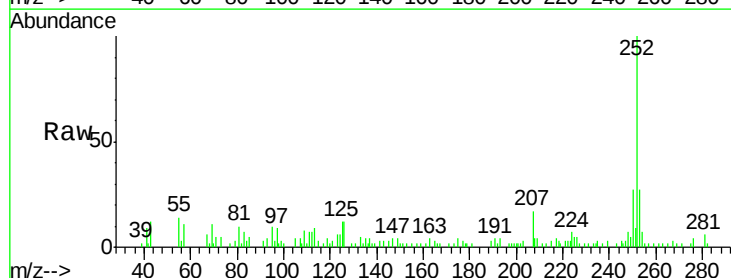
Tgt Ion:252 Resp: 39112

Ion Ratio Lower Upper

252 100

253 26.8 17.9 26.9

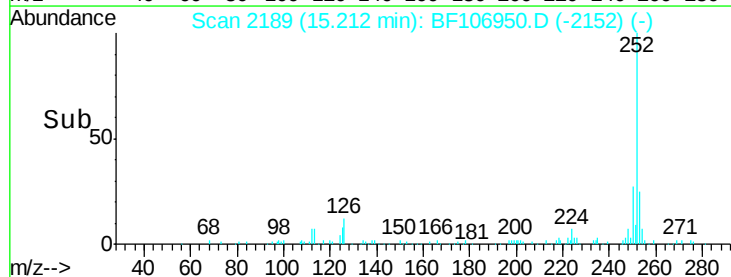
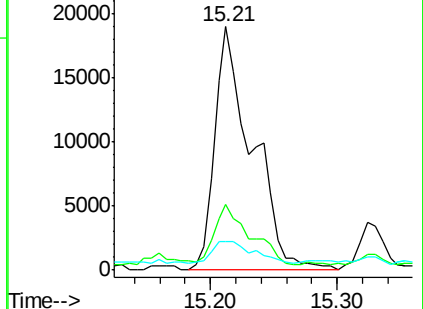
125 11.9 10.2 15.2

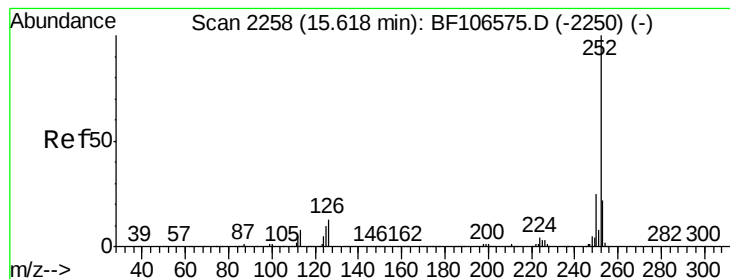


Abundance Ion 252.00 (251.70 to 252.70): E

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

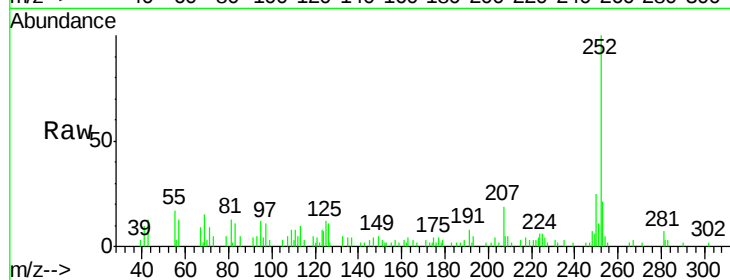
Acq: 29 Jun 2018 4:29

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-4



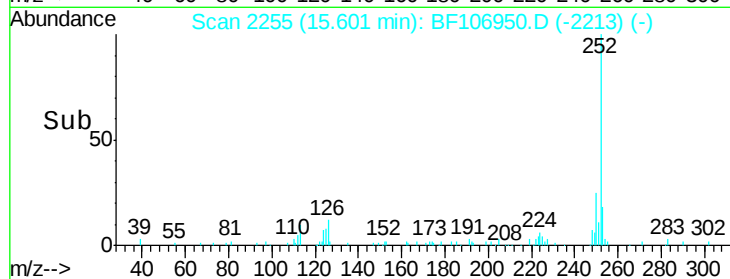
Tgt Ion: 252 Resp: 19972

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

