

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088959.D
 Acq On : 13 Jul 2016 15:47
 Operator : UM/SJ
 Sample : H3876-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-A-LOCATION-2-0-5FT

Quant Time: Jul 14 01:12:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

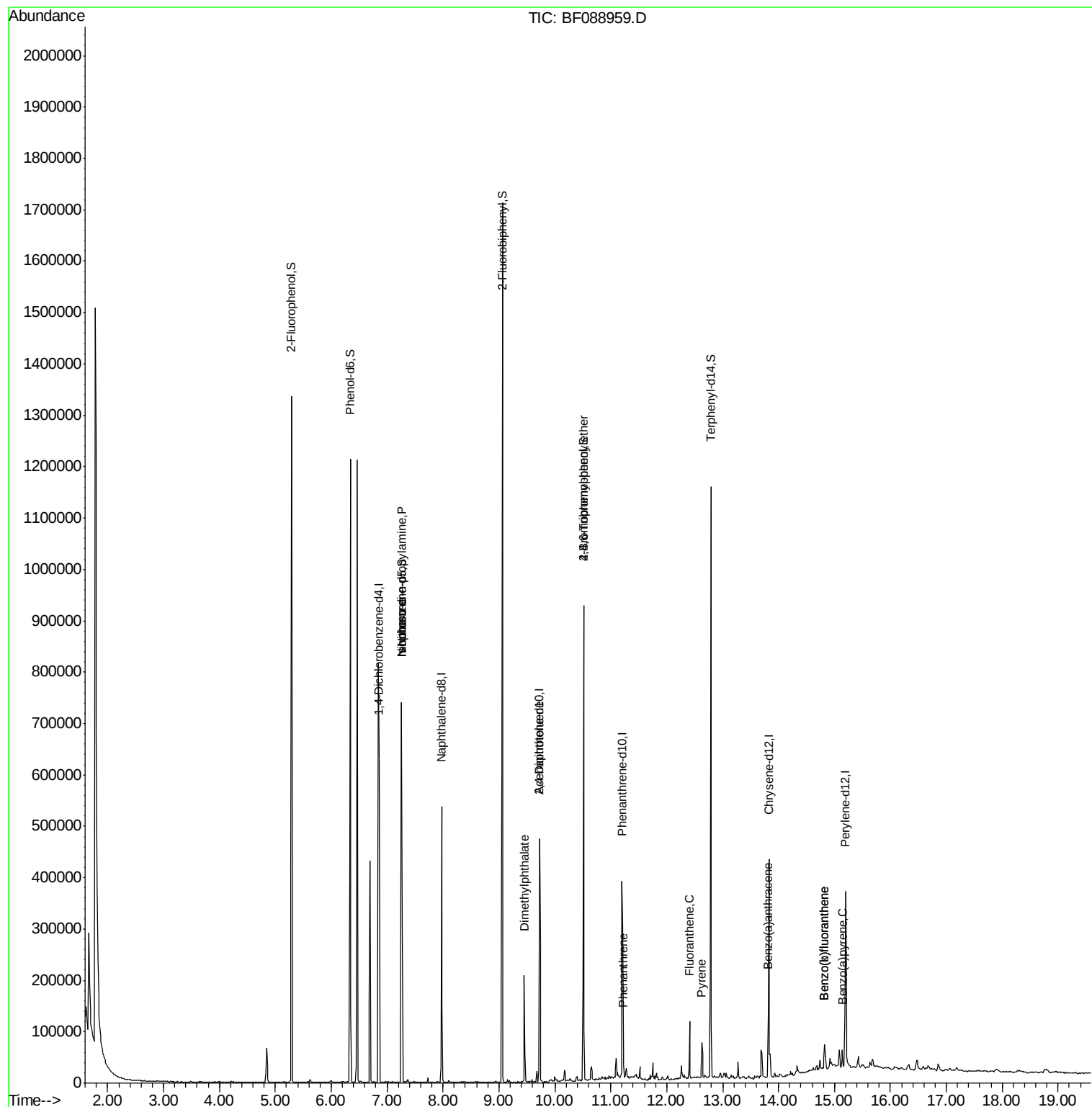
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	168428	20.00	ng	0.15
21) Naphthalene-d8	7.98	136	238313	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	107209	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	189540	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	123080	20.00	ng	-0.02
86) Perylene-d12	15.20	264	130727	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	352867	31.40	ng	0.00
7) Phenol-d6	6.34	99	421991	29.06	ng	-0.01
23) Nitrobenzene-d5	7.26	82	286156	62.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	91206	91.61	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	544191	80.18	ng	-0.01
78) Terphenyl-d14	12.79	244	313100	56.66	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	37468	3.84	ng	# 74
25) Isophorone	7.26	82	251776	29.89	ng	# 65
49) Dimethylphthalate	9.45	163	80578	10.55	ng	100
56) 2,4-Dinitrotoluene	9.72	165	13687	6.18	ng	# 36
66) 4-Bromophenyl-phenylether	10.51	248	6717	3.52	ng	# 1
70) Phenanthrene	11.22	178	21471	2.07	ng	100
74) Fluoranthene	12.41	202	41821	3.98	ng	95
77) Pyrene	12.63	202	34849	3.34	ng	95
80) Benzo(a)anthracene	13.82	228	19216	2.42	ng	93
87) Benzo(b)fluoranthene	14.82	252	29294	3.57	ng	# 96
88) Benzo(k)fluoranthene	14.82	252	29294	4.10	ng	99
89) Benzo(a)pyrene	15.14	252	16289	2.35	ng	98

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

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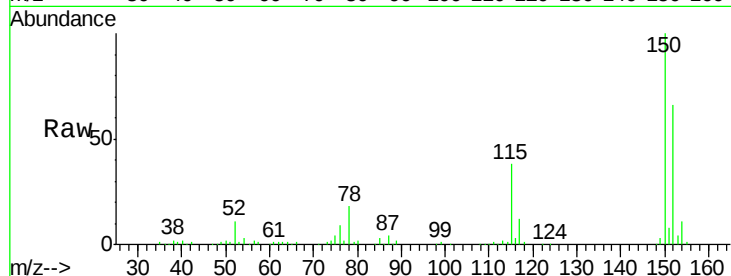




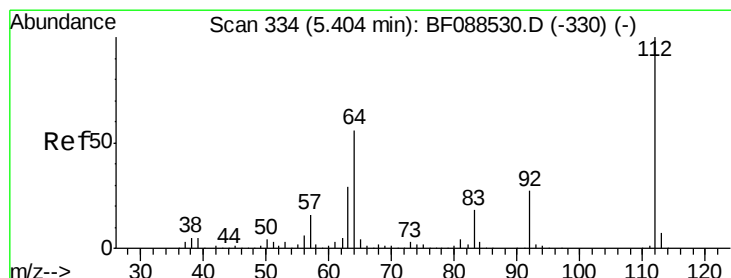
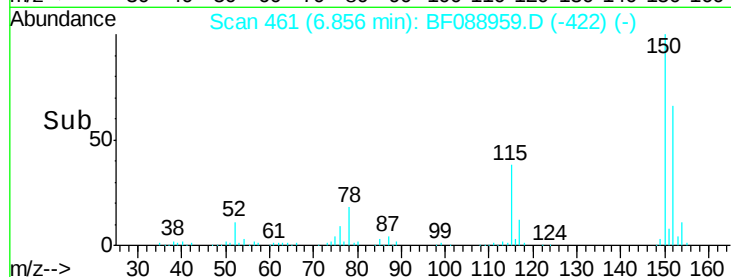
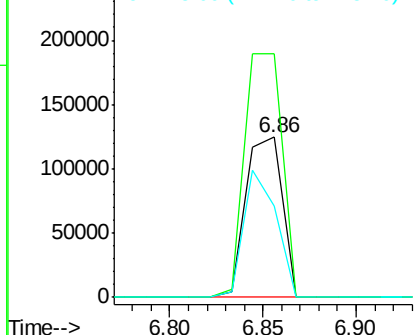
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 461
 Delta R.T. 0.15 min
 Lab File: BF088959.D
 Acq: 13 Jul 2016 15:47

Instrument :
 BNA_F
 ClientSampleId :
 2-A-LOCATION-2-0-5FT

Tgt Ion:152 Resp: 168428
 Ion Ratio Lower Upper
 152 100
 150 152.2 123.8 185.6
 115 57.3 39.6 59.4

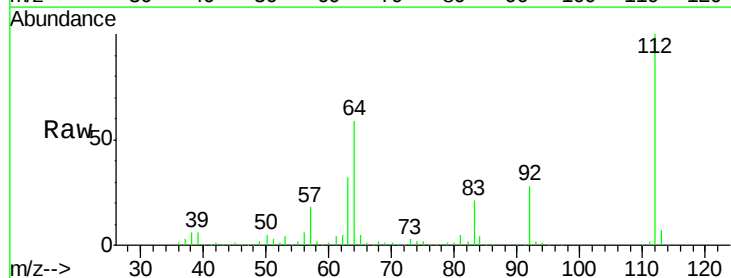


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

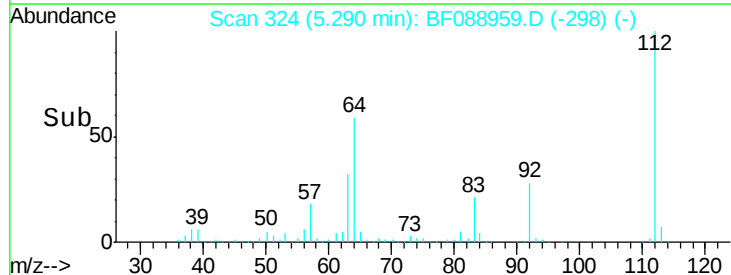
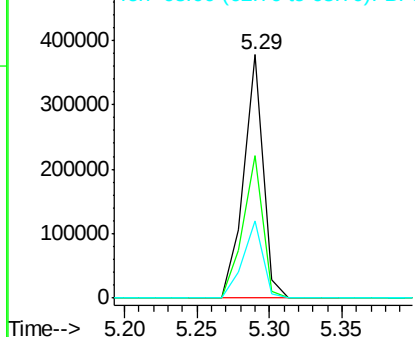


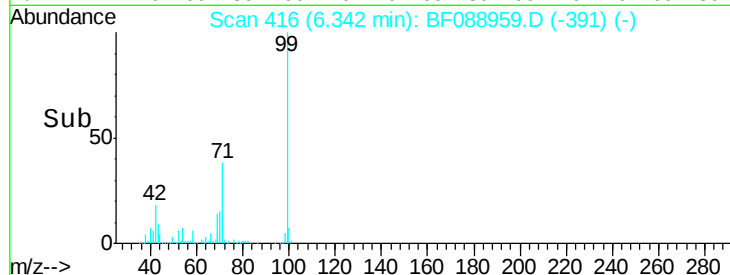
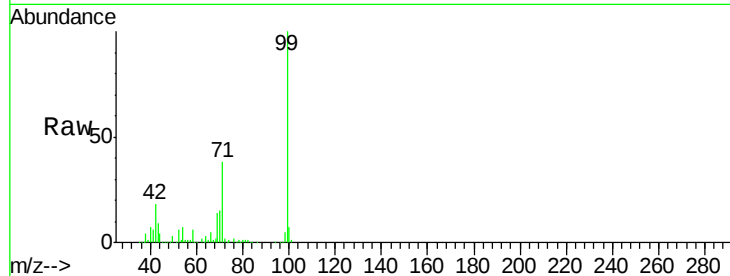
#5
 2-Fluorophenol
 Concen: 31.40 ng
 RT: 5.29 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: BF088959.D
 Acq: 13 Jul 2016 15:47

Tgt Ion:112 Resp: 352867
 Ion Ratio Lower Upper
 112 100
 64 58.6 42.2 63.2
 63 31.8 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.06 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Instrument :

BNA_F

ClientSampleId :

2-A-LOCATION-2-0-5FT

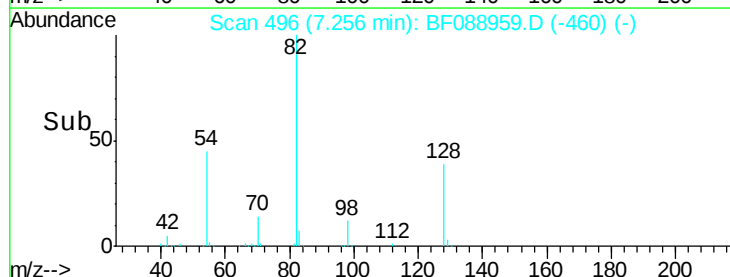
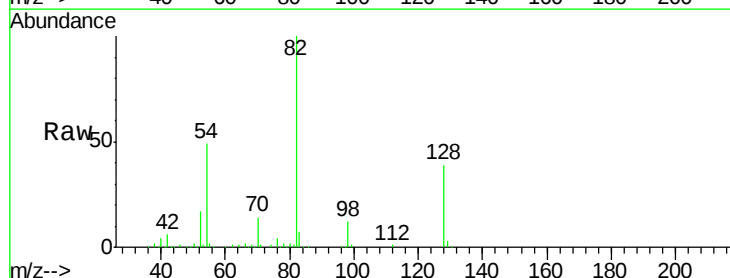
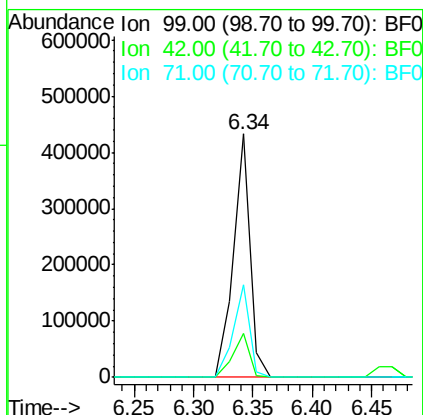
Tgt Ion: 99 Resp: 421991

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2

71 38.2 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 3.84 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Tgt Ion: 70 Resp: 37468

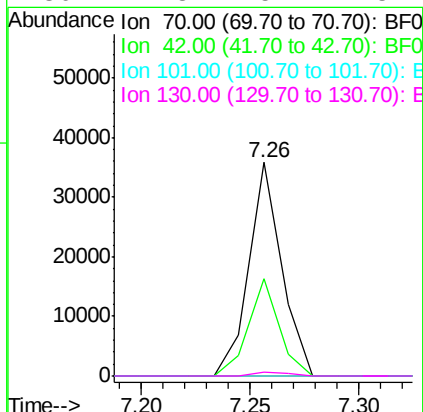
Ion Ratio Lower Upper

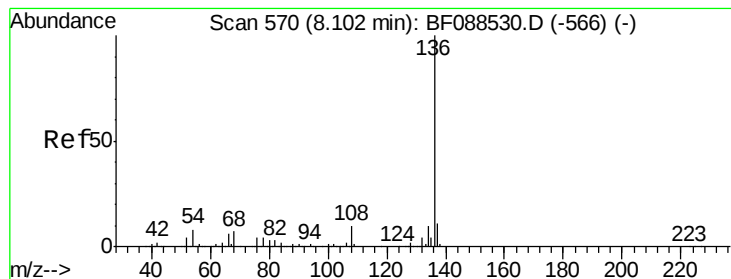
70 100

42 45.4 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

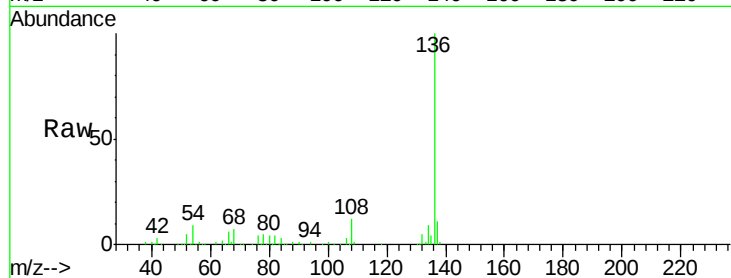
Instrument :

BNA_F

ClientSampleId :

2-A-LOCATION-2-0-5FT

Tgt Ion:	136	Resp:	238313
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	8.8	6.6	10.0
68	6.7	5.1	7.7

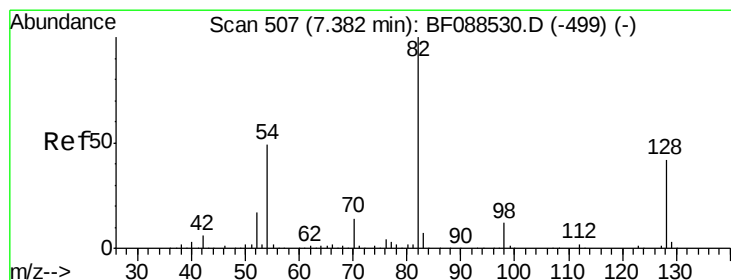
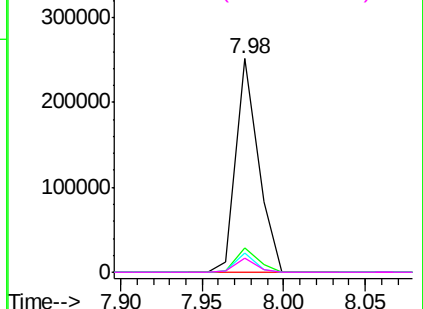
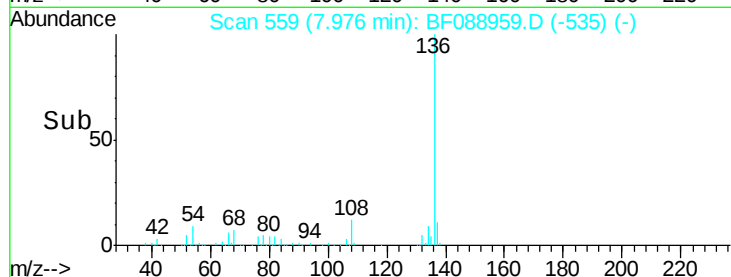


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 62.93 ng

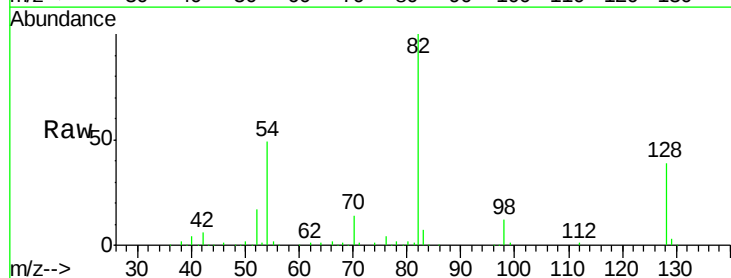
RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

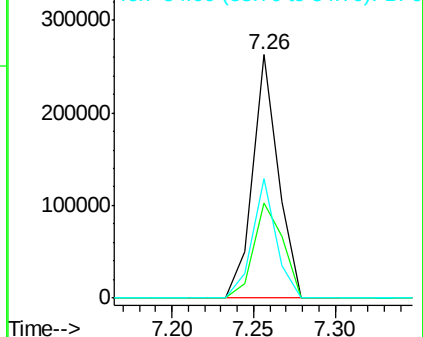
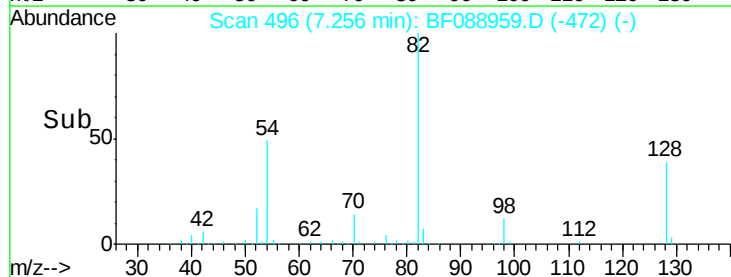
Tgt Ion:	82	Resp:	286156
Ion Ratio	Lower	Upper	
82	100		
128	39.1	35.9	53.9
54	49.2	40.9	61.3

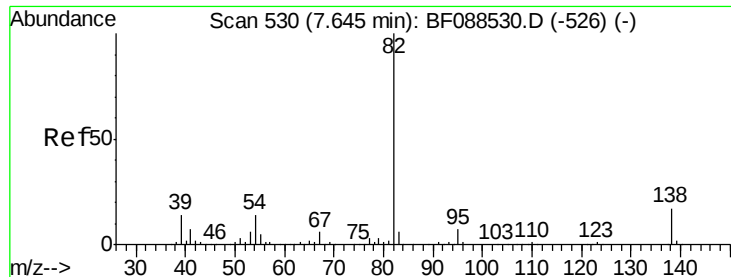


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.89 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Instrument :

BNA_F

ClientSampleId :

2-A-LOCATION-2-0-5FT

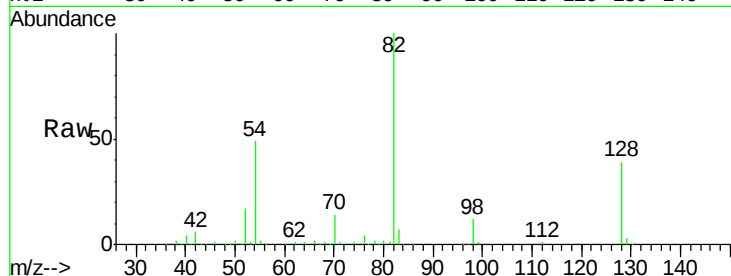
Tgt Ion: 82 Resp: 251776

Ion Ratio Lower Upper

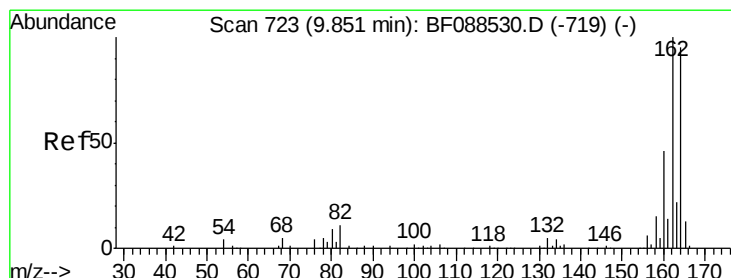
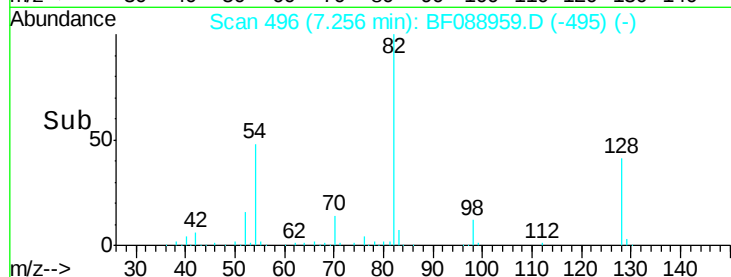
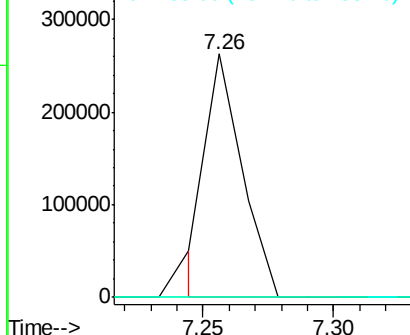
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

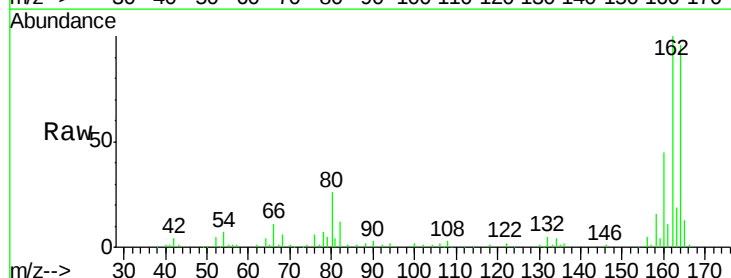
Tgt Ion: 164 Resp: 107209

Ion Ratio Lower Upper

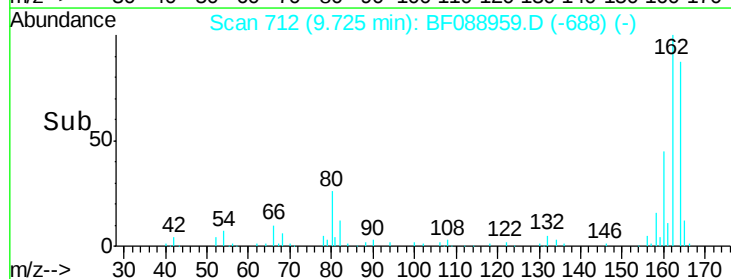
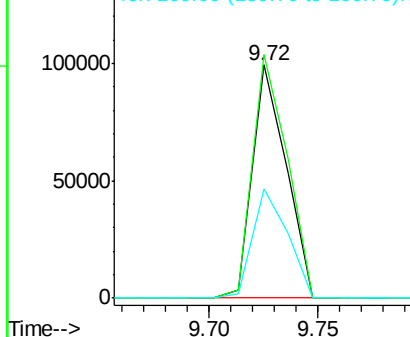
164 100

162 104.6 85.4 128.2

160 46.9 39.5 59.3



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

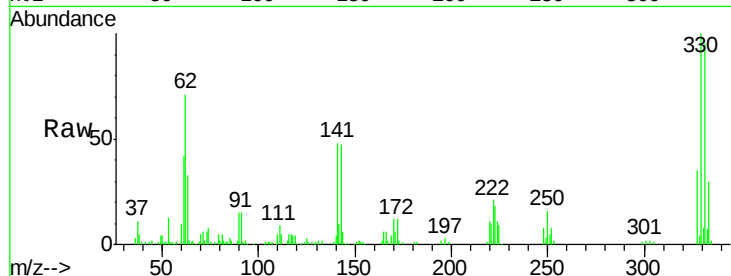




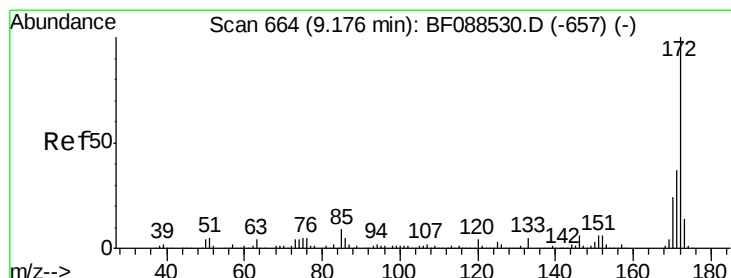
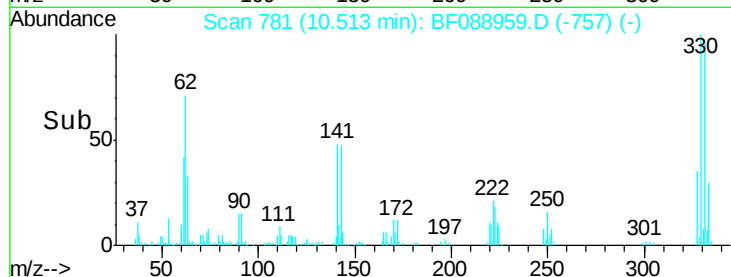
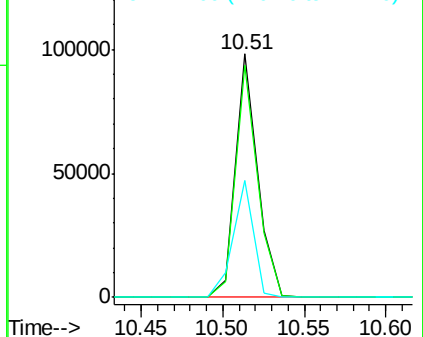
#41
 2,4,6-Tribromophenol
 Concen: 91.61 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088959.D
 Acq: 13 Jul 2016 15:47

Instrument :
 BNA_F
 ClientSampleId :
 2-A-LOCATION-2-0-5FT

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	44.2	0.0	0.0#

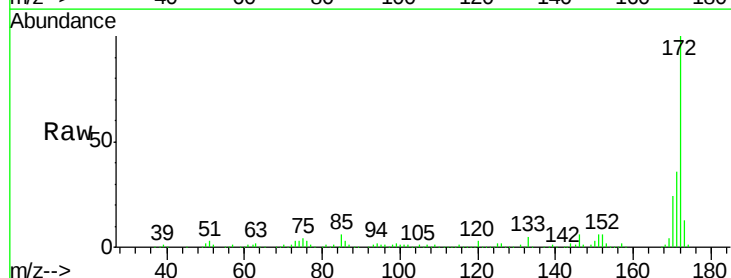


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

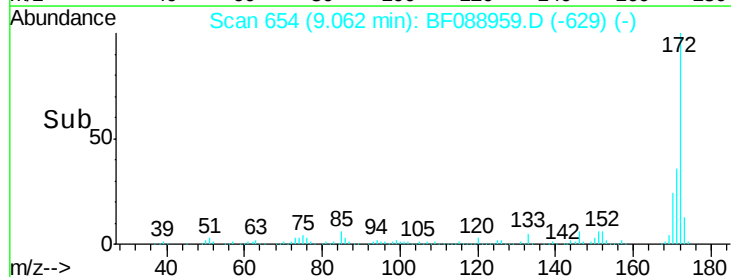
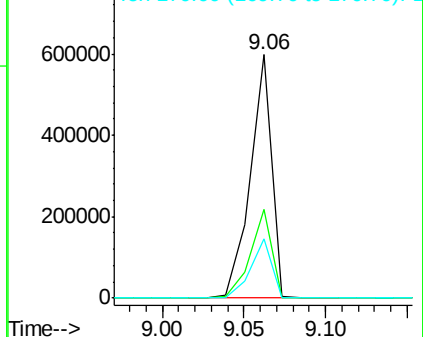


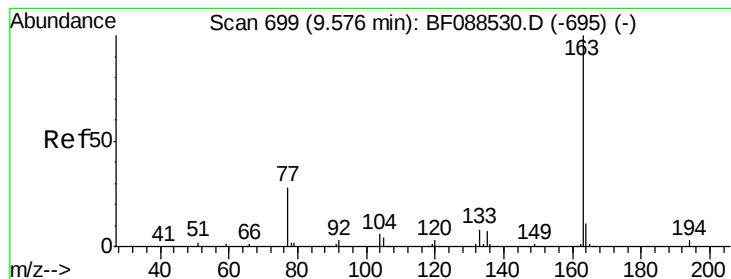
#44
 2-Fluorobiphenyl
 Concen: 80.18 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088959.D
 Acq: 13 Jul 2016 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.3	19.2	28.8



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: 10.55 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Instrument :

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ClientSampleId :

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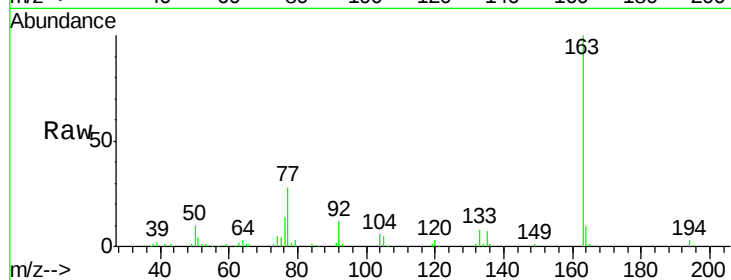
Tgt Ion:163 Resp: 80578

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

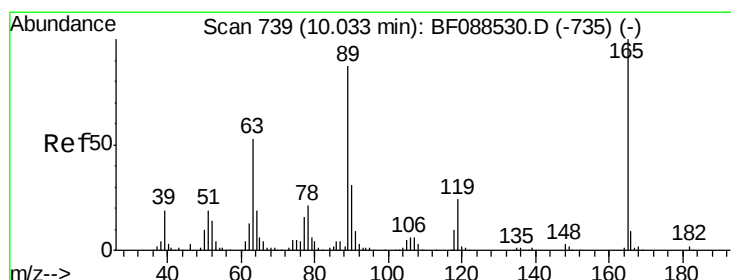
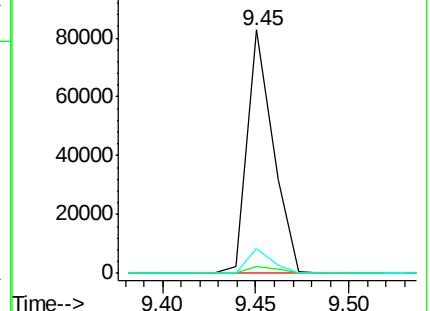
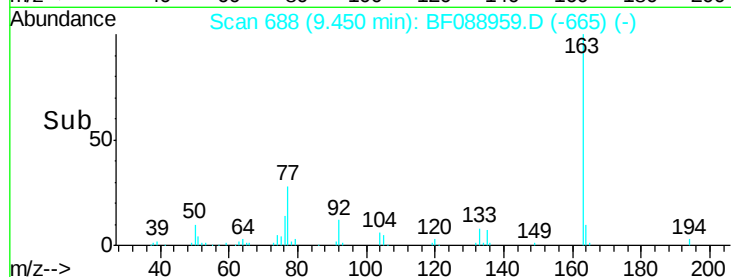
164 10.4 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.18 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Tgt Ion:165 Resp: 13687

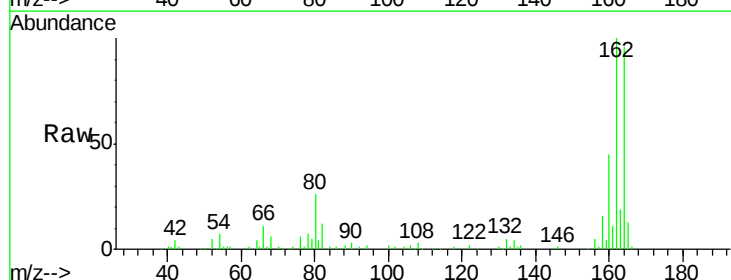
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

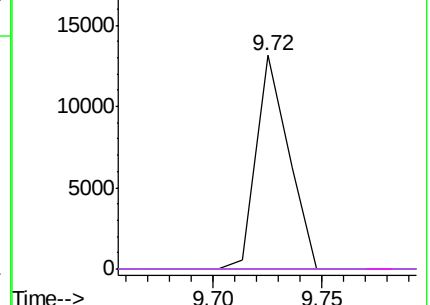
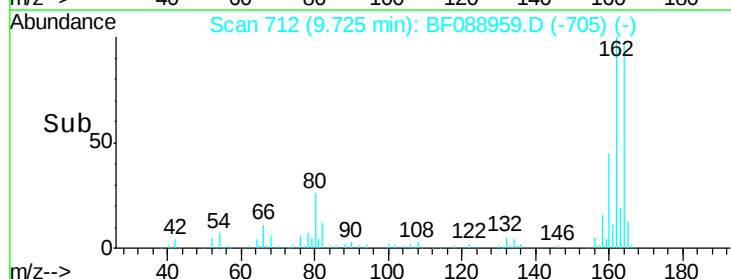


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

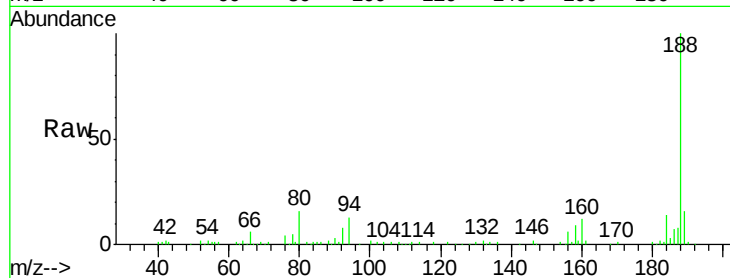




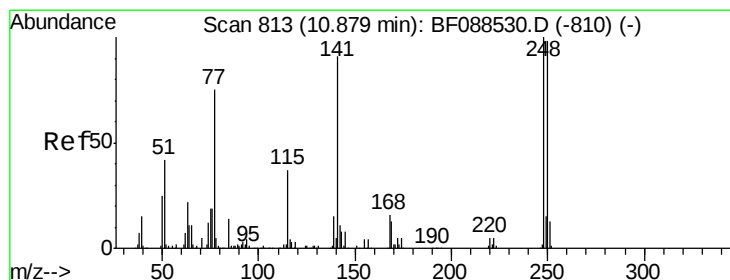
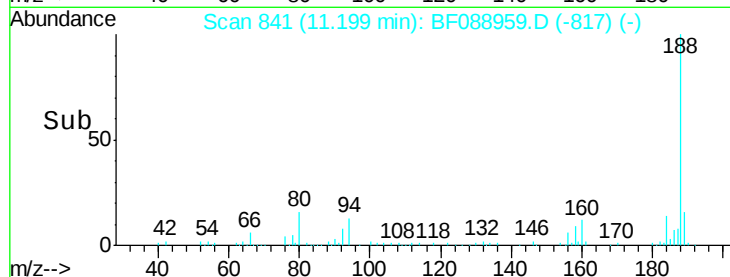
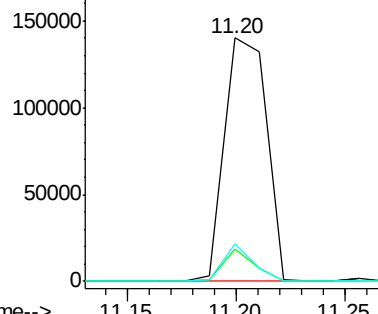
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088959.D
Acq: 13 Jul 2016 15:47

Instrument :
BNA_F
ClientSampleId :
2-A-LOCATION-2-0-5FT

Tgt Ion:188 Resp: 189540
Ion Ratio Lower Upper
188 100
94 13.2 9.0 13.6
80 15.6 10.0 15.0#

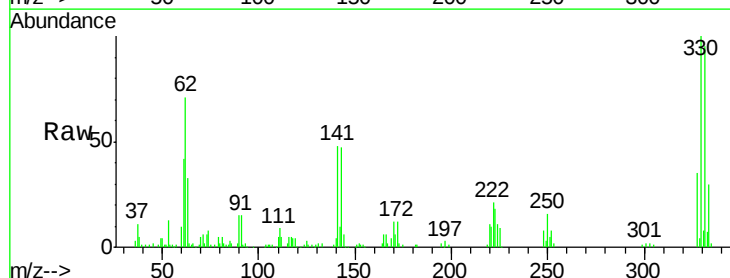


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

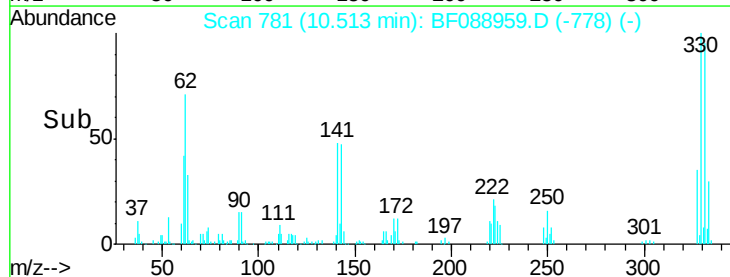
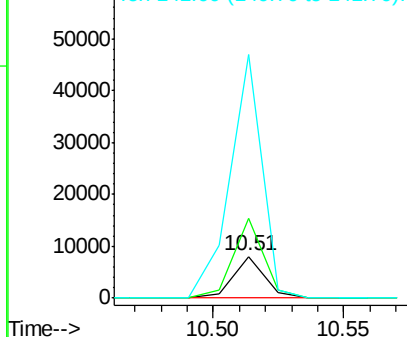


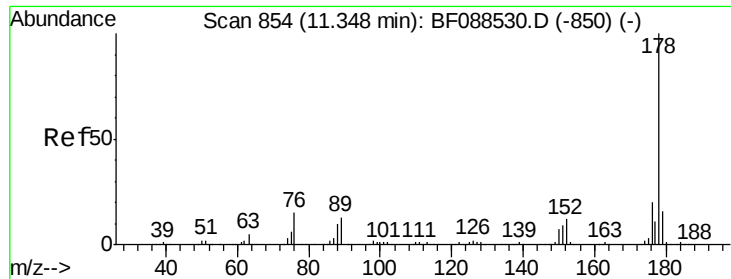
#66
4-Bromophenyl-phenylether
Concen: 3.52 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.26 min
Lab File: BF088959.D
Acq: 13 Jul 2016 15:47

Tgt Ion:248 Resp: 6717
Ion Ratio Lower Upper
248 100
250 190.7 77.1 115.7#
141 585.9 50.6 76.0#



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

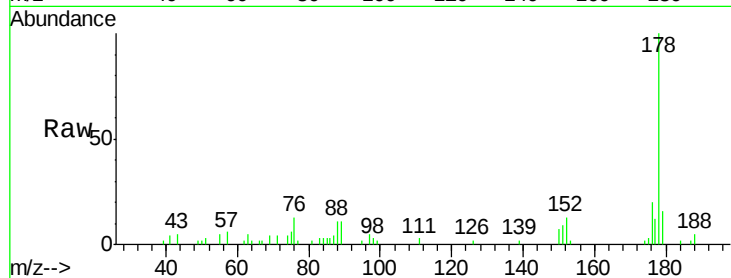




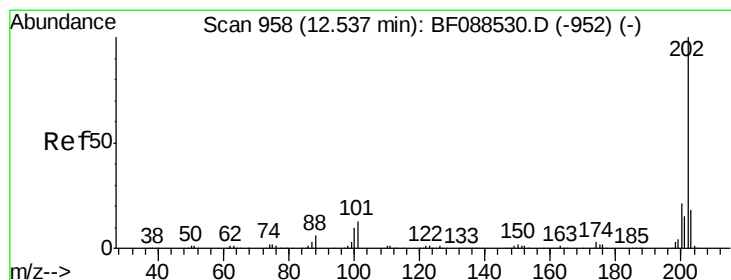
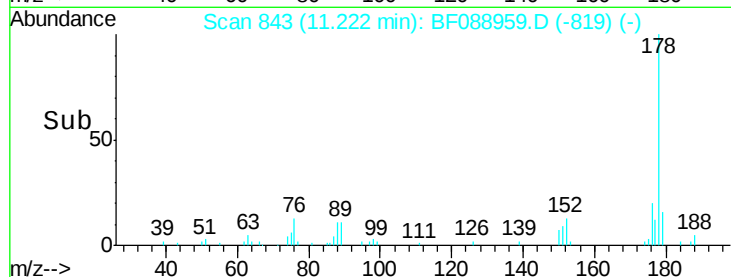
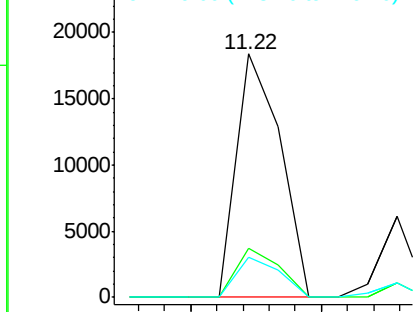
#70
Phenanthrene
Concen: 2.07 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF088959.D
Acq: 13 Jul 2016 15:47

Instrument :
BNA_F
ClientSampleId :
2-A-LOCATION-2-0-5FT

Tgt Ion:178 Resp: 21471
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 16.2 13.0 19.4

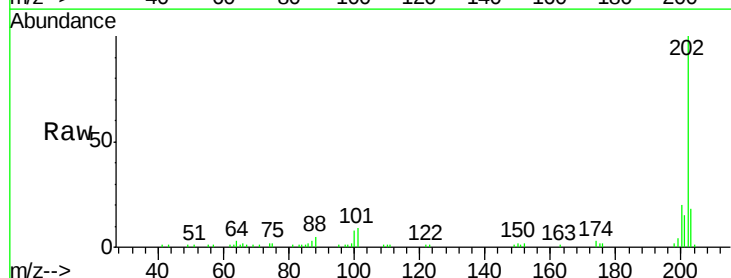


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

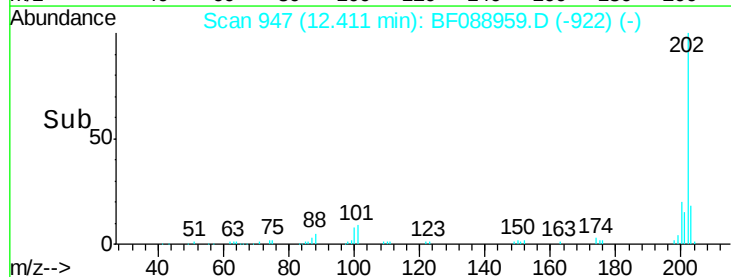
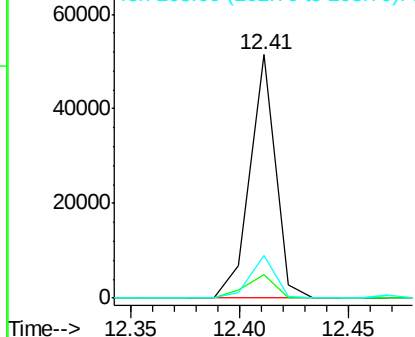


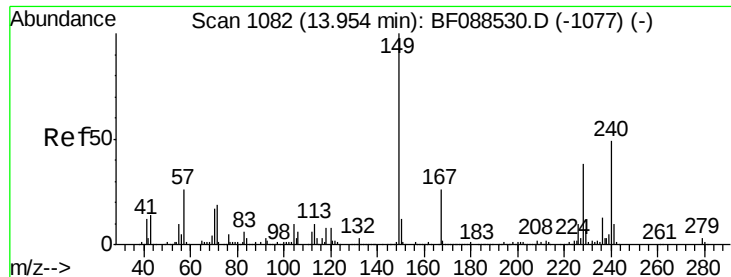
#74
Fluoranthene
Concen: 3.98 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF088959.D
Acq: 13 Jul 2016 15:47

Tgt Ion:202 Resp: 41821
Ion Ratio Lower Upper
202 100
101 9.4 0.0 33.1
203 17.5 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: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Instrument :

BNA_F

ClientSampleId :

2-A-LOCATION-2-0-5FT

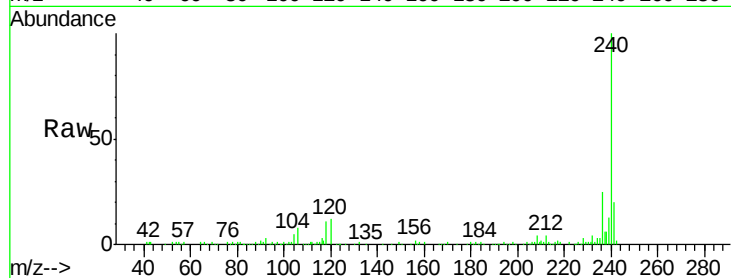
Tgt Ion:240 Resp: 123080

Ion Ratio Lower Upper

240 100

120 11.6 6.8 10.2#

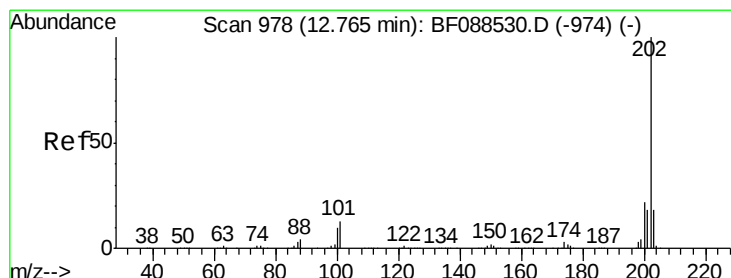
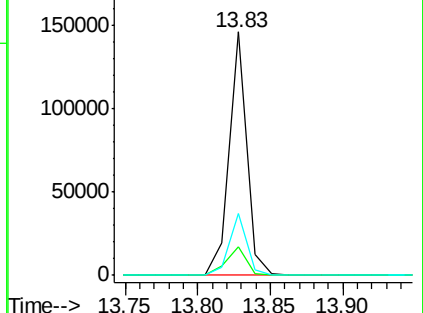
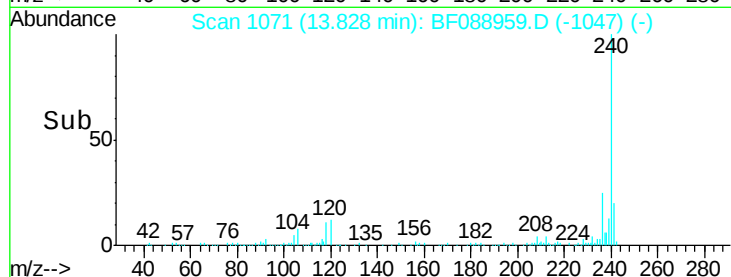
236 25.3 20.2 30.2



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: 3.34 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

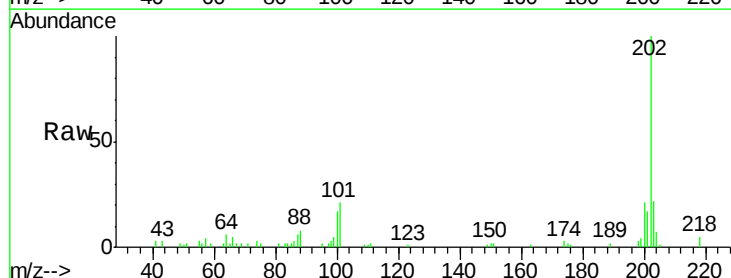
Tgt Ion:202 Resp: 34849

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

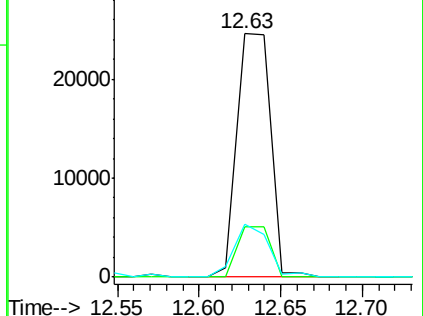
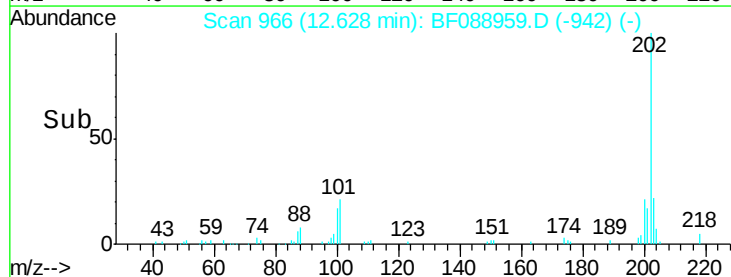
203 21.7 14.5 21.7

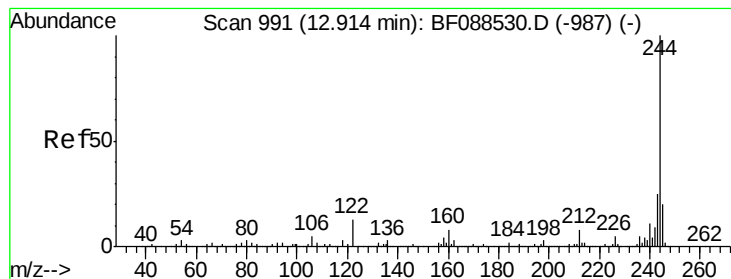


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.66 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Instrument :

BNA_F

ClientSampleId :

2-A-LOCATION-2-0-5FT

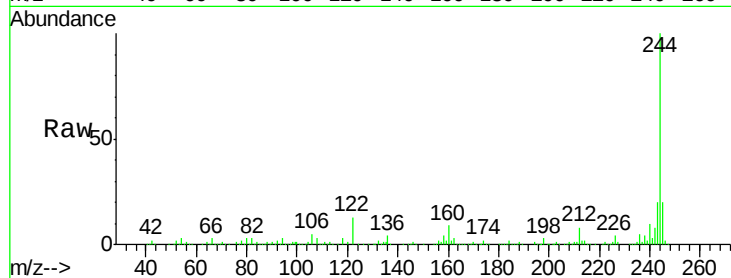
Tgt Ion:244 Resp: 313100

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

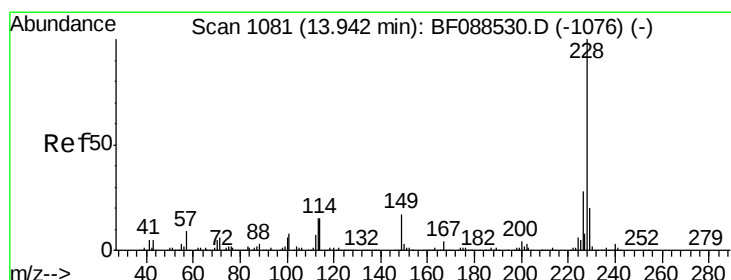
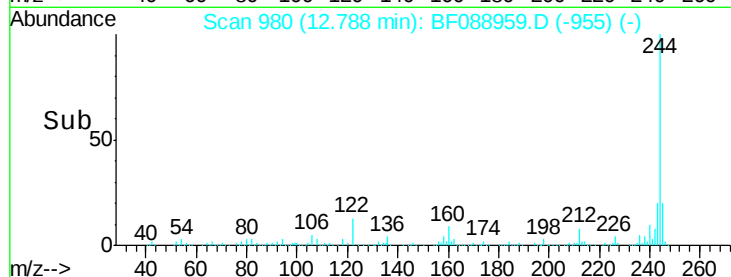
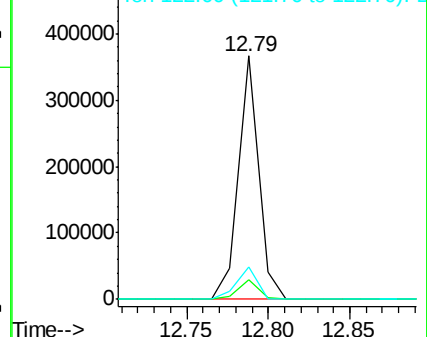
122 13.5 11.2 16.8



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: 2.42 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

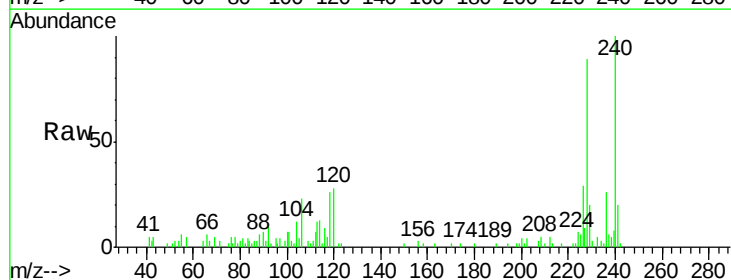
Tgt Ion:228 Resp: 19216

Ion Ratio Lower Upper

228 100

226 32.8 22.3 33.5

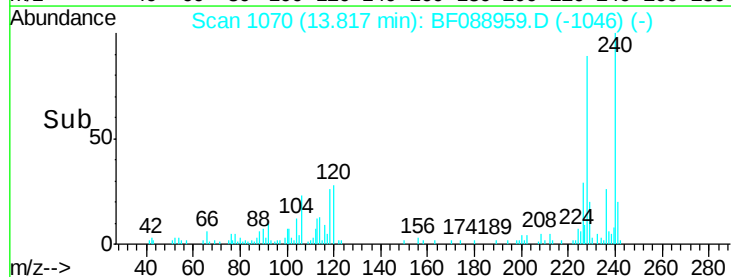
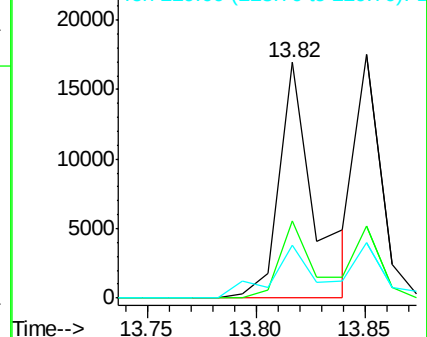
229 22.3 16.0 24.0

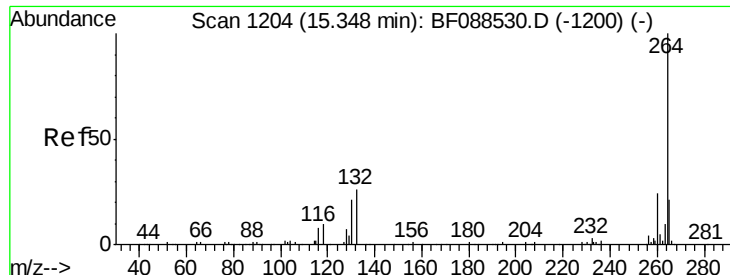


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

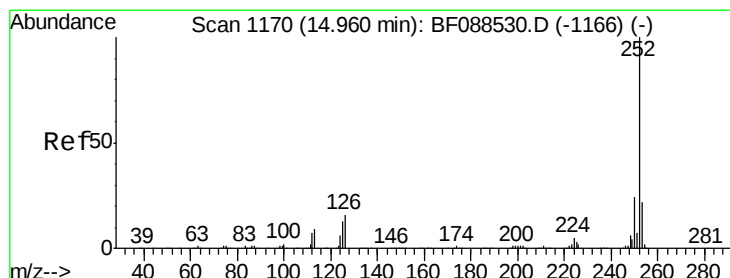
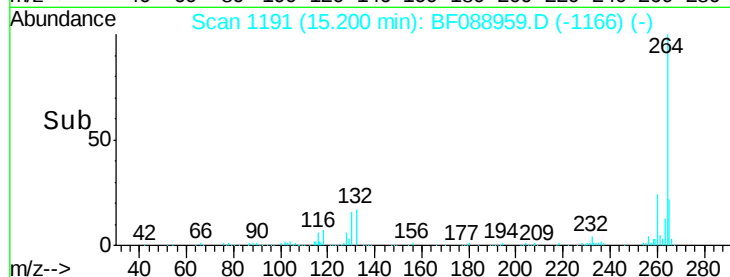
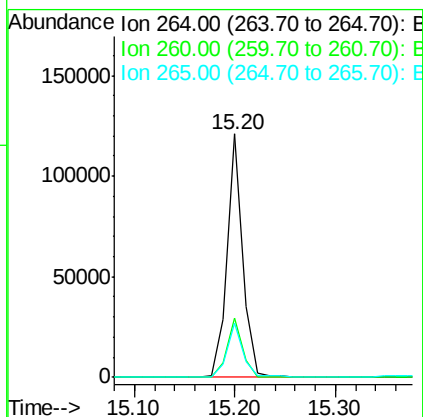
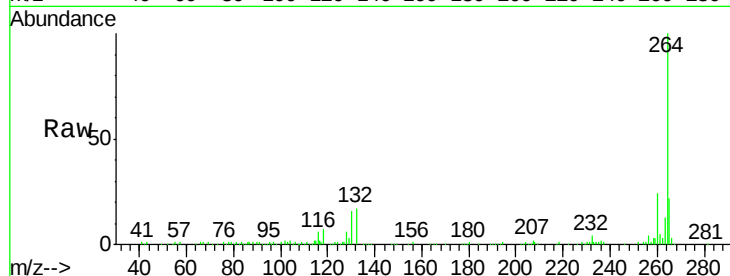




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088959.D
Acq: 13 Jul 2016 15:47

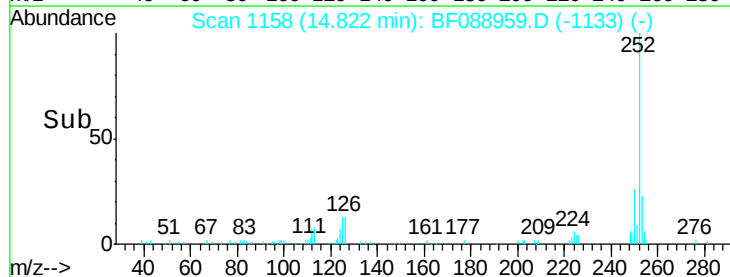
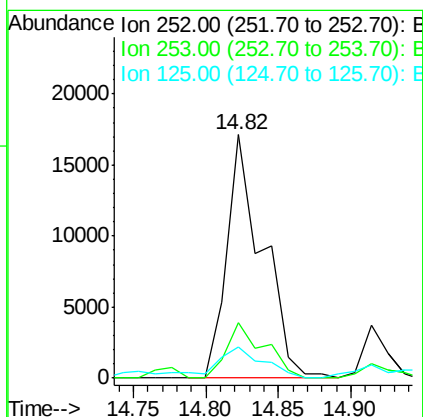
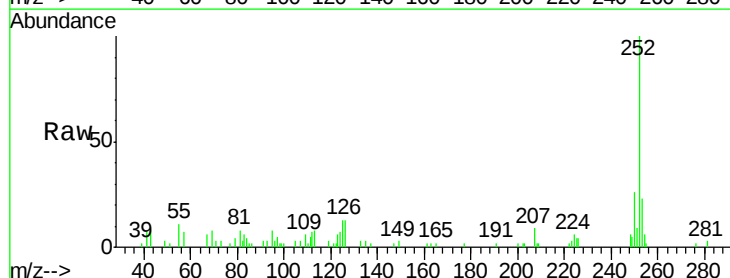
Instrument :
BNA_F
ClientSampleId :
2-A-LOCATION-2-0-5FT

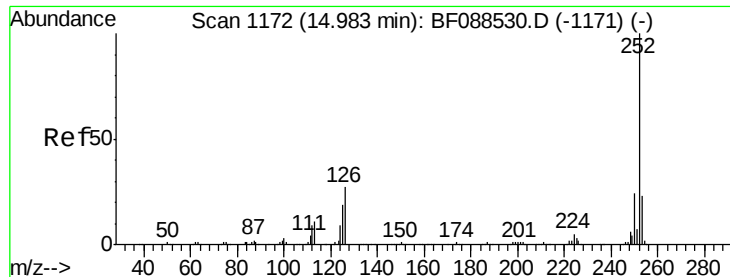
Tgt Ion: 264 Resp: 130727
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.0 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.57 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088959.D
Acq: 13 Jul 2016 15:47

Tgt Ion: 252 Resp: 29294
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 12.6 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 4.10 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

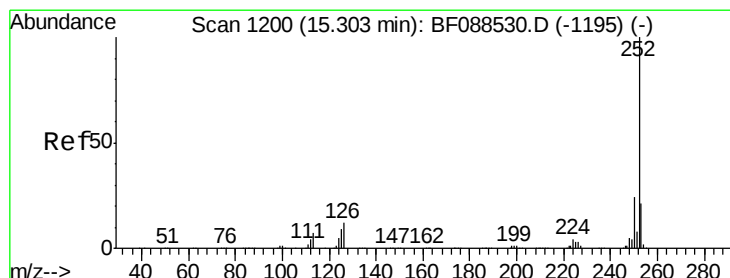
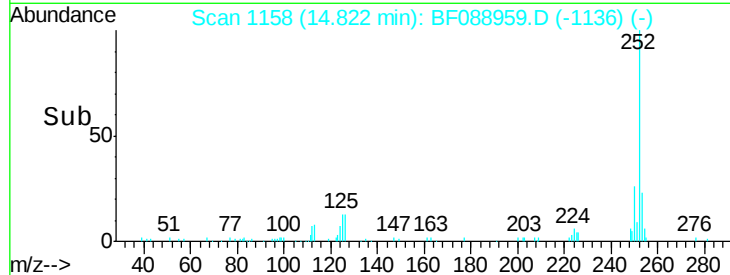
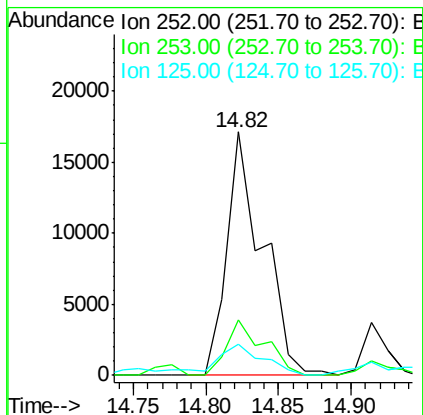
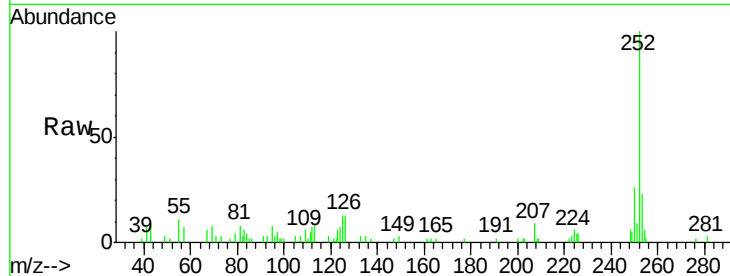
Instrument :

BNA_F

ClientSampleId :

2-A-LOCATION-2-0-5FT

Tgt Ion:	252	Resp:	29294
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.6	11.2	16.8



#89

Benzo(a)pyrene

Concen: 2.35 ng

RT: 15.14 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF088959.D

Acq: 13 Jul 2016 15:47

Tgt Ion:	252	Resp:	16289
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.9	12.5	18.7

