

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088438.D
 Acq On : 27 Jun 2016 5:33
 Operator : UM/SJ
 Sample : H3663-06 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Quant Time: Jun 27 08:14:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	52596	20.00	ng	-0.15
21) Naphthalene-d8	7.84	136	289977	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	128691	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	202297	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	141565	20.00	ng	-0.31
86) Perylene-d12	15.04	264	143051	20.00	ng	-0.35

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	97202	31.59	ng	-0.30
7) Phenol-d6	6.22	99	121155	32.49	ng	-0.26
23) Nitrobenzene-d5	7.12	82	75261	15.16	ng	-0.30
41) 2,4,6-Tribromophenol	10.36	330	21915	16.13	ng	-0.31
44) 2-Fluorobiphenyl	8.91	172	154929	14.31	ng	-0.30
78) Terphenyl-d14	12.63	244	97801	15.72	ng	-0.32

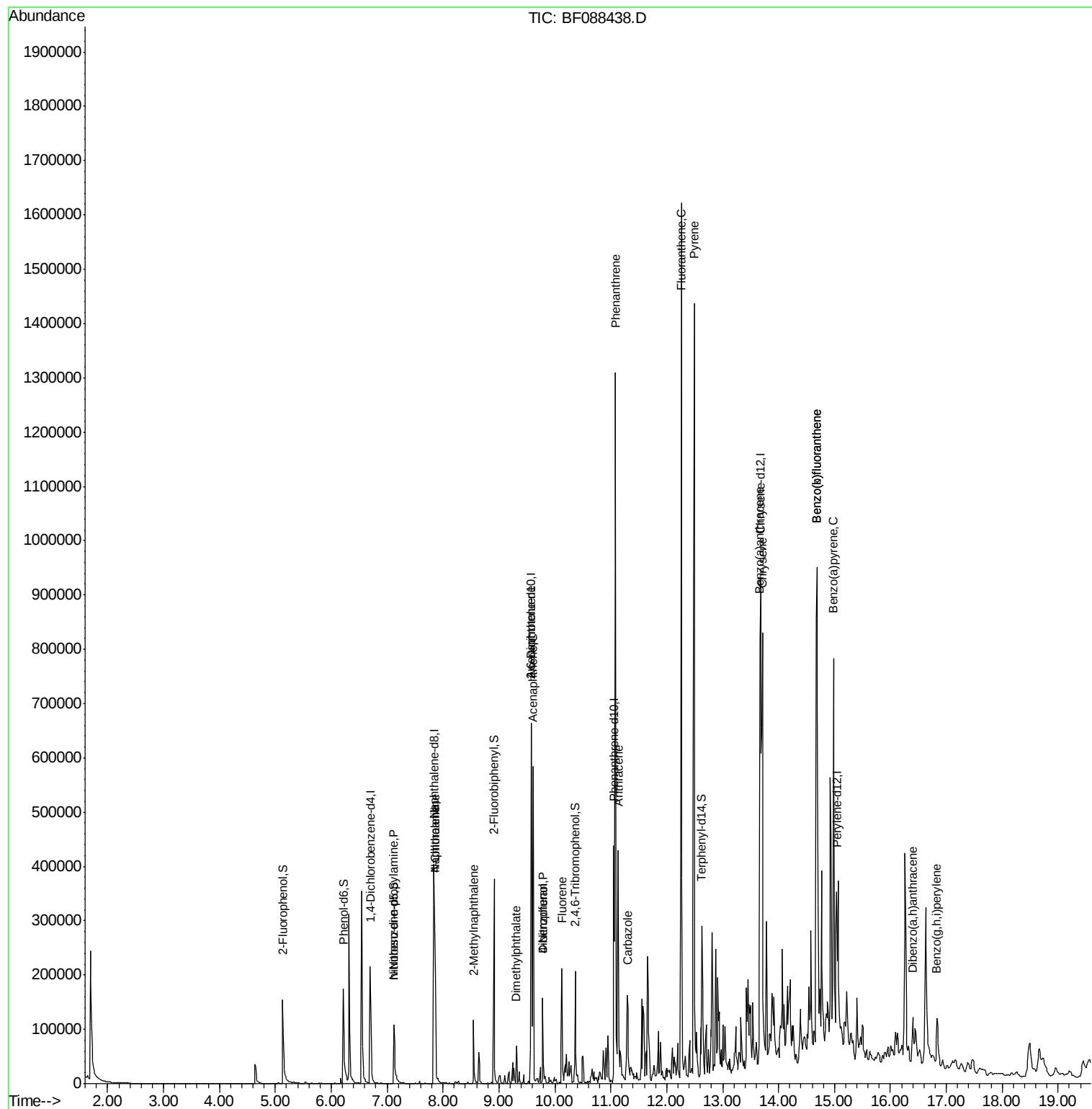
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.23	94	727	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	8462	3.55	ng	73
31) Naphthalene	7.85	128	195408	13.62	ng	99
33) 4-Chloroaniline	7.85	127	24092	3.76	ng	30
37) 2-Methylnaphthalene	8.55	142	37935	4.01	ng	98
45) 1,1'-Biphenyl	9.02	154	8219	Below Cal		95
49) Dimethylphthalate	9.31	163	29380	3.15	ng	98
50) 2,6-Dinitrotoluene	9.58	165	16982	7.95	ng	39
51) Acenaphthene	9.61	154	129059	15.62	ng	98
54) Dibenzofuran	9.78	168	71705	6.30	ng	93
55) 4-Nitrophenol	9.78	139	25625	13.40	ng	6
57) Fluorene	10.12	166	69860	4.77	ng	98
70) Phenanthrene	11.08	178	694850	65.46	ng	99
71) Anthracene	11.13	178	203149	18.97	ng	98
72) Carbazole	11.30	167	117916	11.77	ng	97
74) Fluoranthene	12.26	202	738901	65.96	ng	99
77) Pyrene	12.49	202	699762	66.61	ng	100
80) Benzo(a)anthracene	13.67	228	433817	53.78	ng	96
82) Chrysene	13.71	228	371932	49.01	ng	96
87) Benzo(b)fluoranthene	14.69	252	738269	74.05	ng	96
88) Benzo(k)fluoranthene	14.69	252	738269	98.16	ng	98
89) Benzo(a)pyrene	14.98	252	394179	48.86	ng	98
90) Dibenzo(a,h)anthracene	16.40	278	43045	5.75	ng	96
91) Benzo(g,h,i)perylene	16.83	276	70007	9.08	ng	92

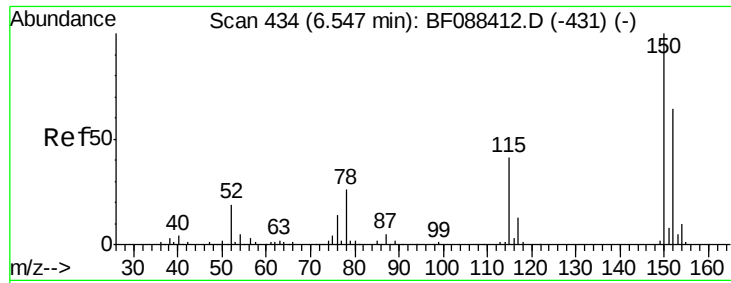
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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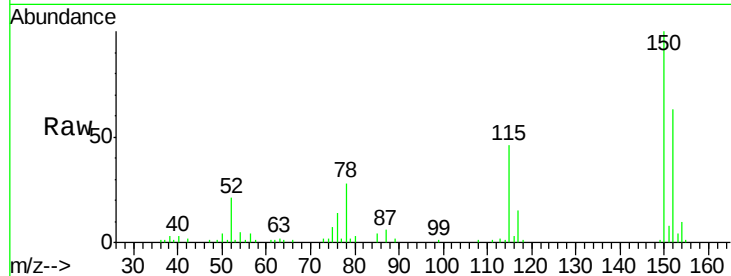


#1

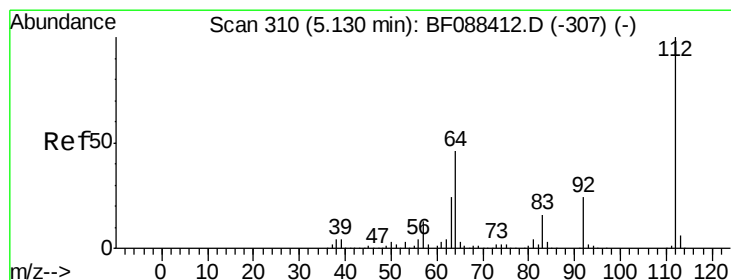
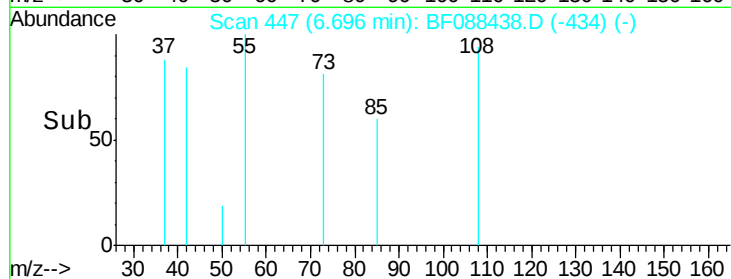
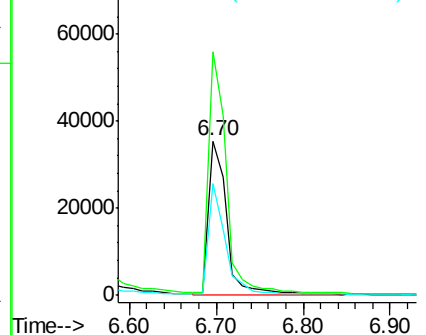
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.15 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion:152 Resp: 52596
Ion Ratio Lower Upper
152 100
150 157.7 123.8 185.6
115 72.3 39.6 59.4#



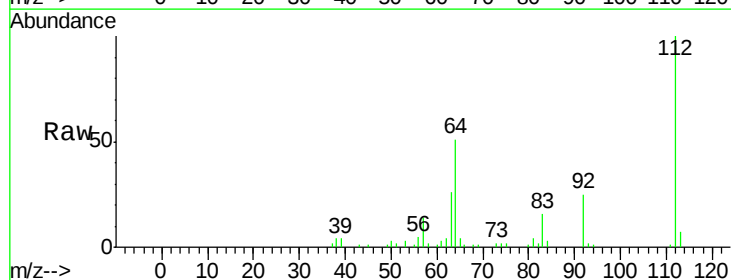
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



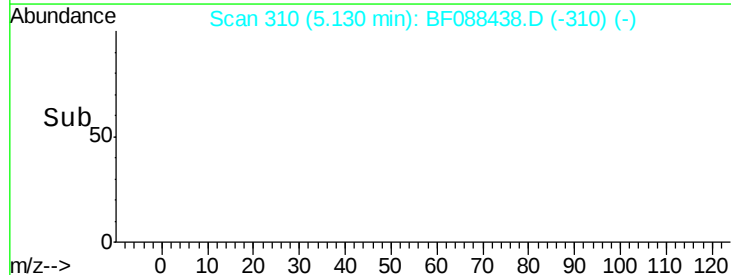
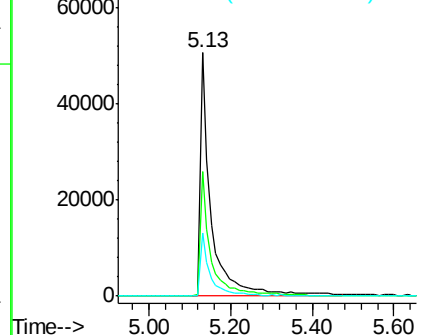
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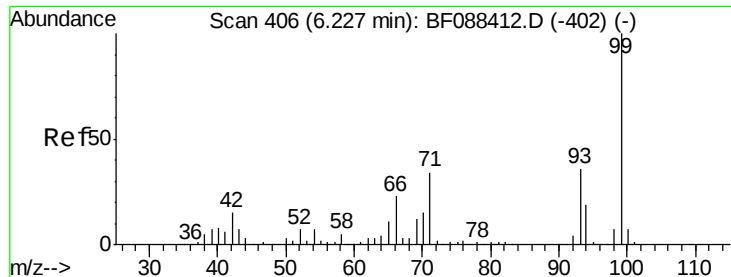
2-Fluorophenol
Concen: 31.59 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.30 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion:112 Resp: 97202
Ion Ratio Lower Upper
112 100
64 51.4 42.2 63.2
63 25.9 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: 32.49 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampled :

SS-4

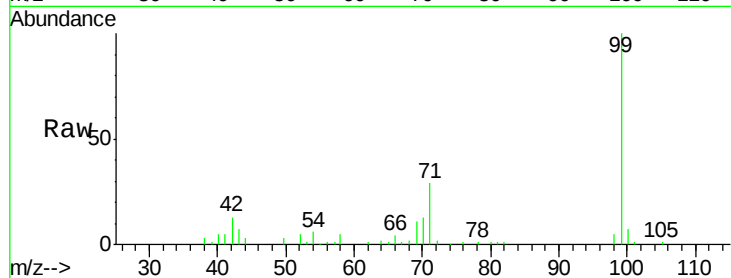
Tot Ion: 99 Resp: 121155

Ion Ratio Lower Upper

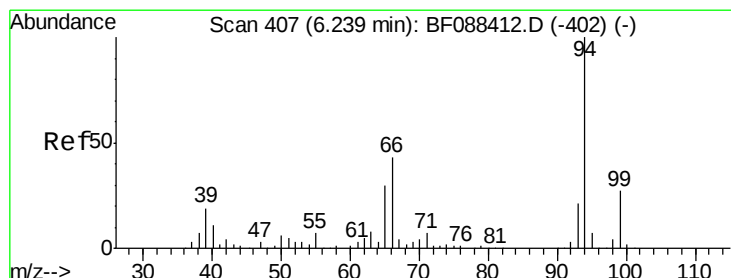
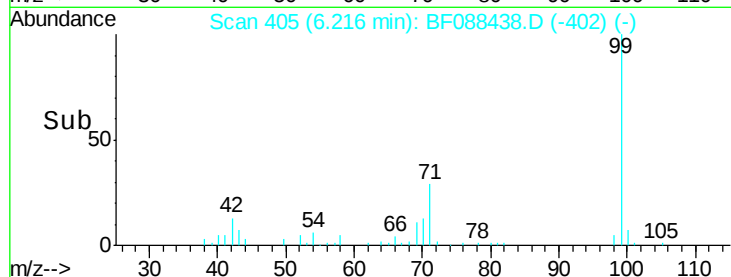
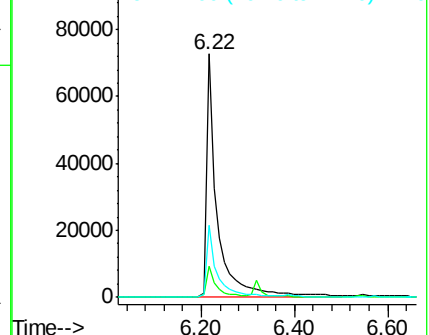
99 100

42 12.7 12.2 18.2

71 29.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.26 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

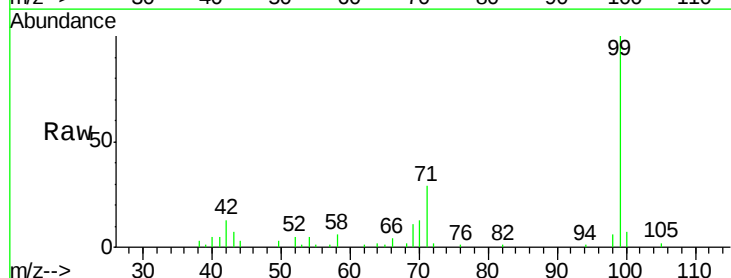
Tgt Ion: 94 Resp: 727

Ion Ratio Lower Upper

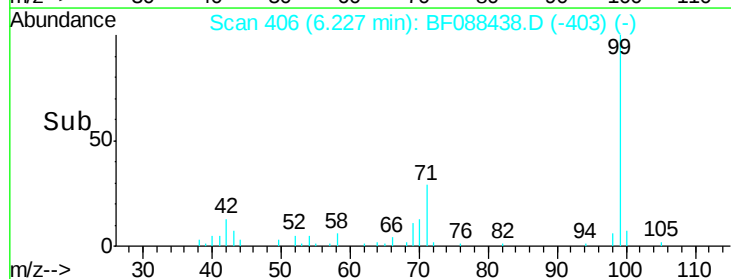
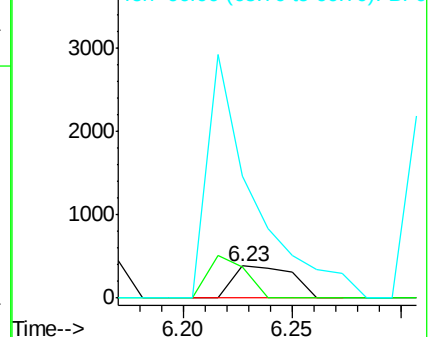
94 100

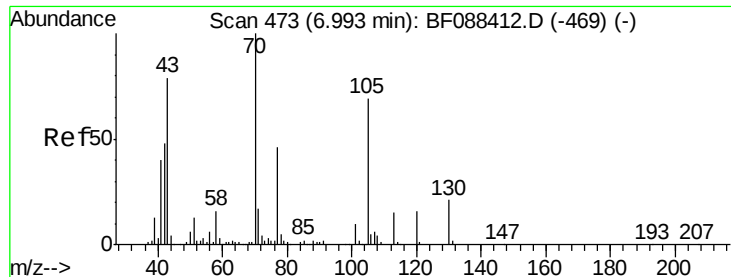
65 96.7 5.9 45.9#

66 377.1 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

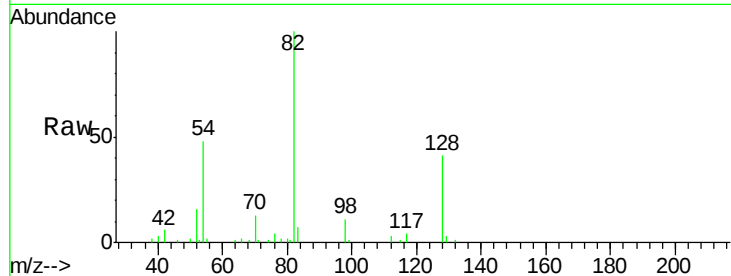




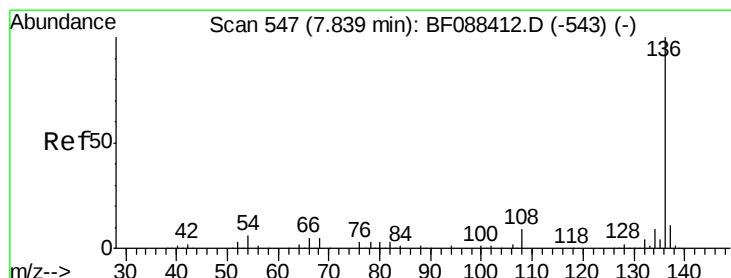
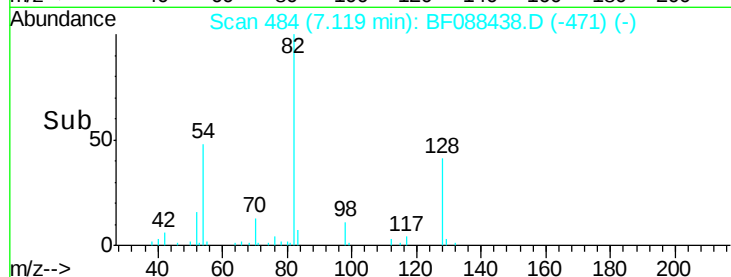
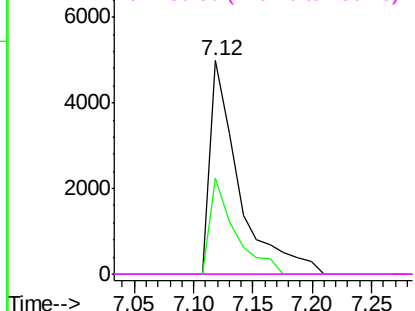
#19
n-Nitroso-di-n-propylamine
Concen: 3.55 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.15 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion: 70 Resp: 8462
Ion Ratio Lower Upper
70 100
42 45.0 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#

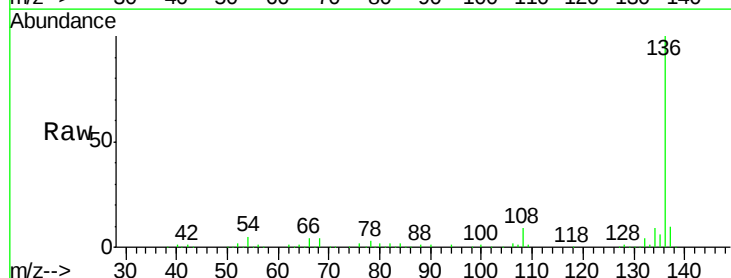


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

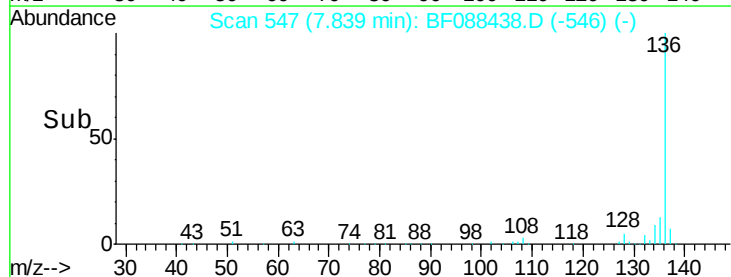
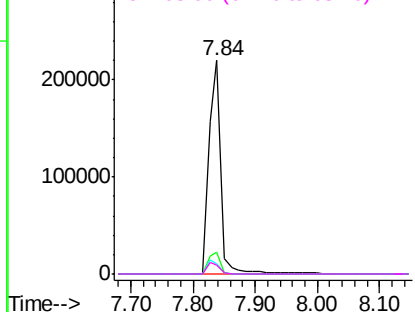


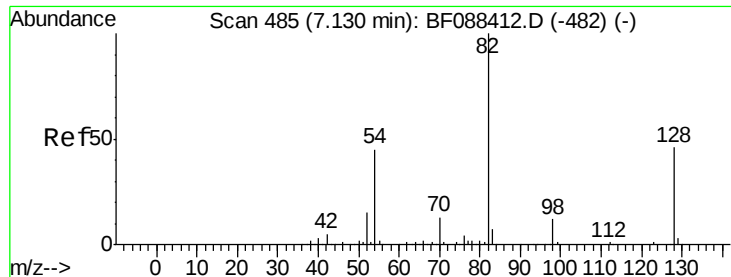
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.29 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion: 136 Resp: 289977
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 4.8 6.6 10.0#
68 4.2 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

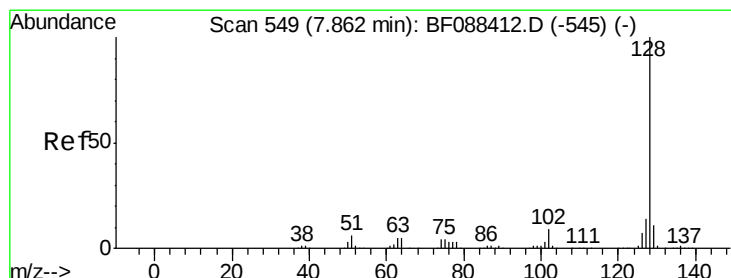
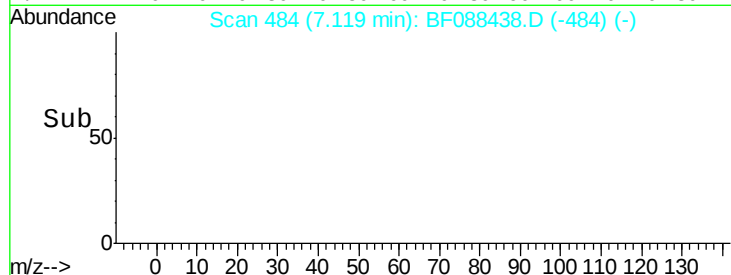
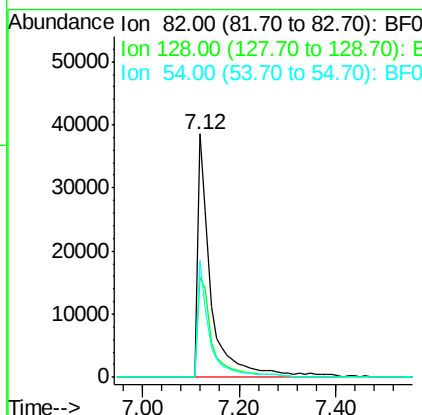
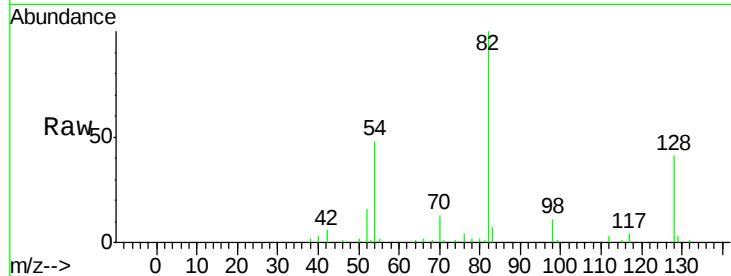




#23
 Nitrobenzene-d5
 Concen: 15.16 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.30 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

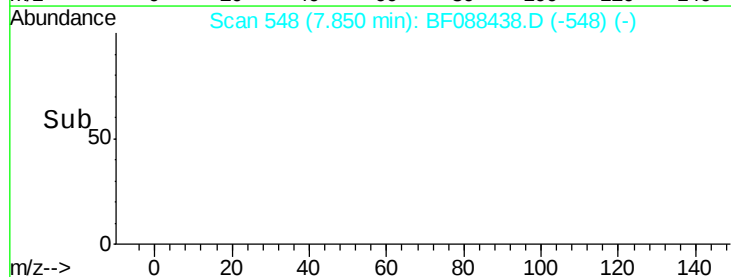
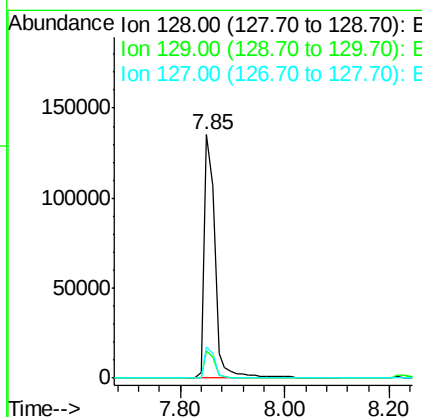
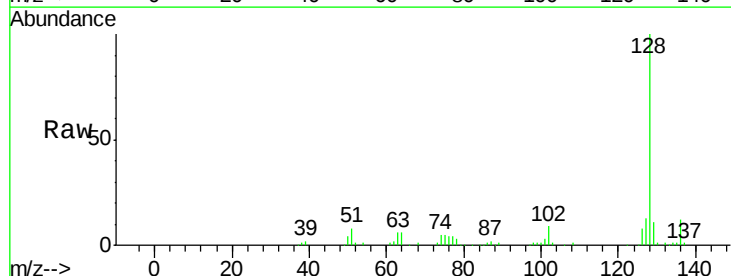
Instrument :
 BNA_F
 ClientSampled :
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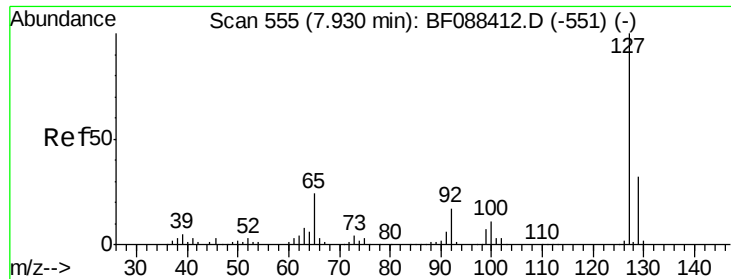
Tot Ion: 82 Resp: 75261
 Ion Ratio Lower Upper
 82 100
 128 41.0 35.9 53.9
 54 48.1 40.9 61.3



#31
 Naphthalene
 Concen: 13.62 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.30 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion: 128 Resp: 195408
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.4 14.2
 127 13.0 10.9 16.3

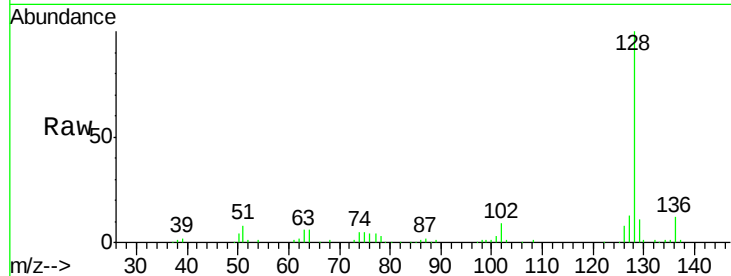




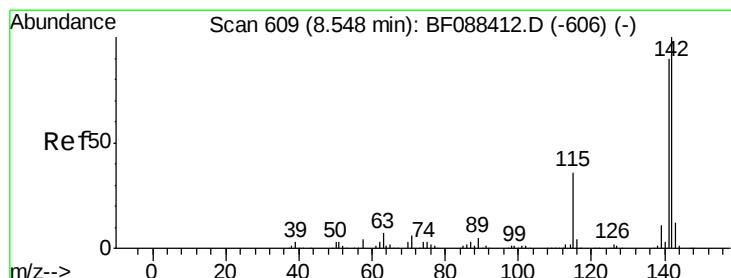
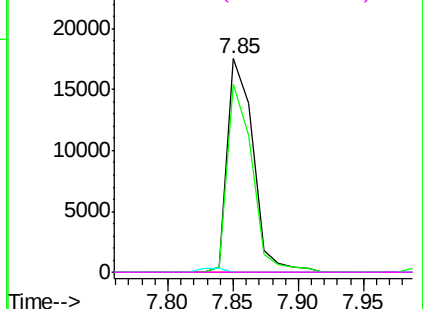
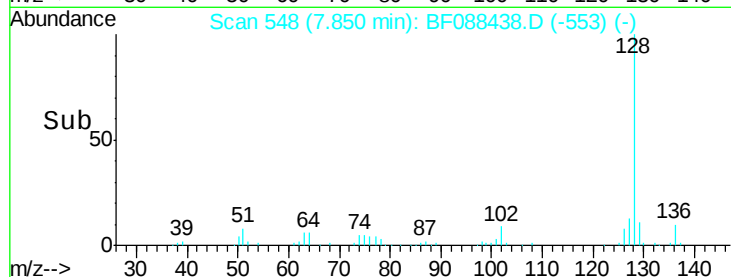
#33
 4-Chloroaniline
 Concen: 3.76 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.35 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tot Ion:127	Resp:	24092
Ion Ratio	Lower	Upper
127	100	
129	88.4	26.3 39.5#
65	0.0	24.7 37.1#
92	0.0	15.4 23.0#

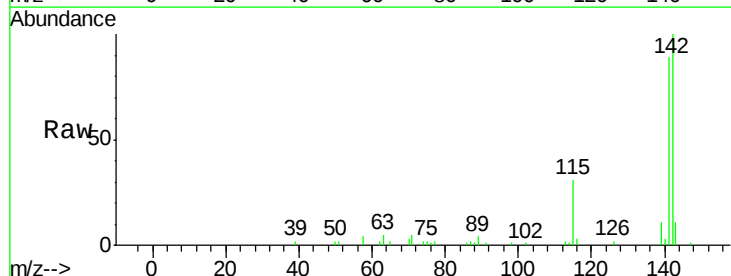


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

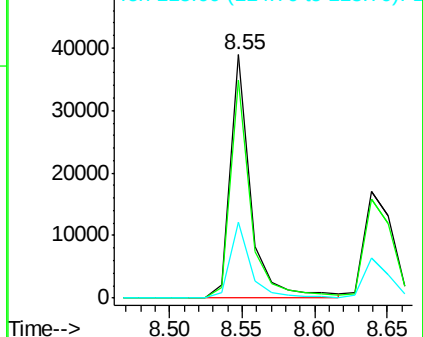
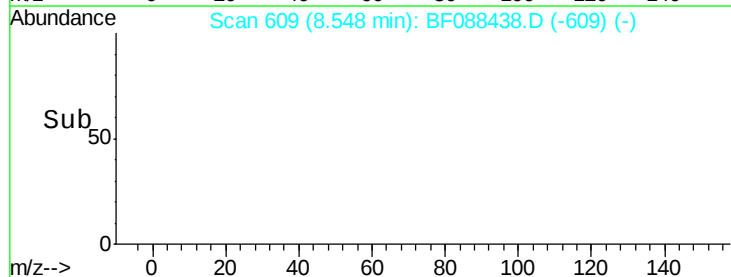


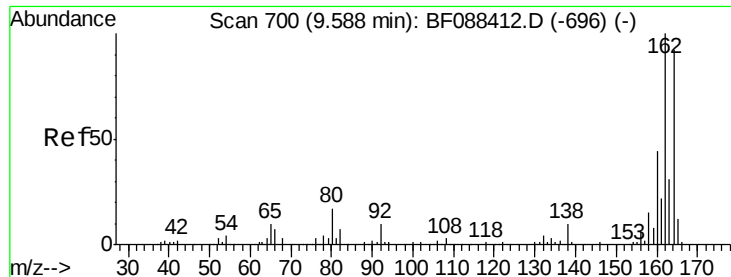
#37
 2-Methylnaphthalene
 Concen: 4.01 ng
 RT: 8.55 min Scan# 609
 Delta R.T. -0.30 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion:142	Resp:	37935
Ion Ratio	Lower	Upper
142	100	
141	89.4	71.0 106.6
115	31.4	22.6 33.8



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

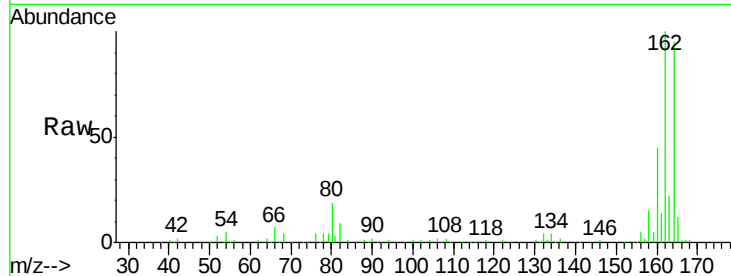




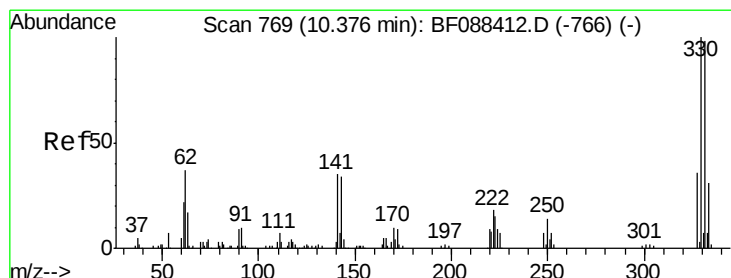
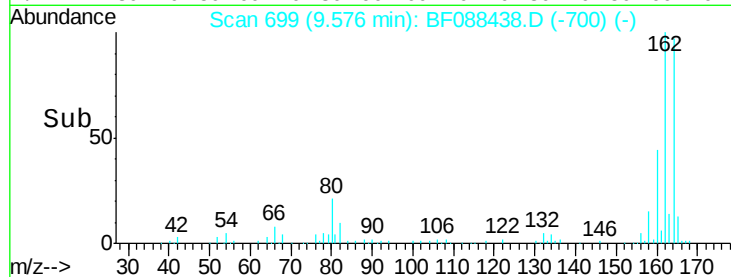
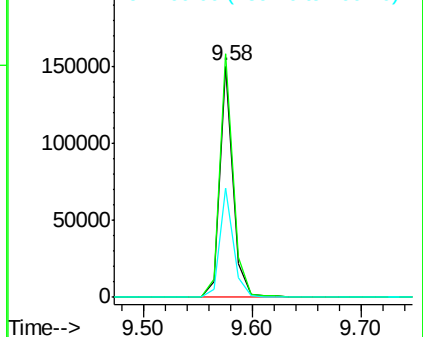
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.31 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tot Ion:164 Resp: 128691
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.4 128.2
 160 47.2 39.5 59.3

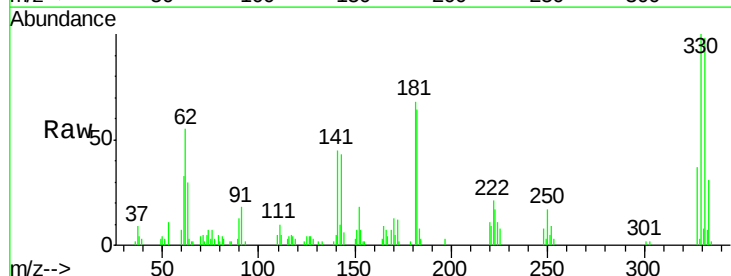


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

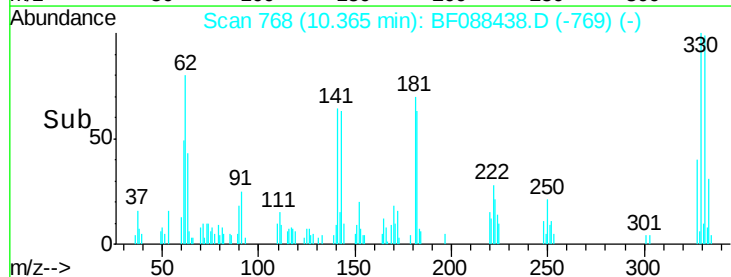
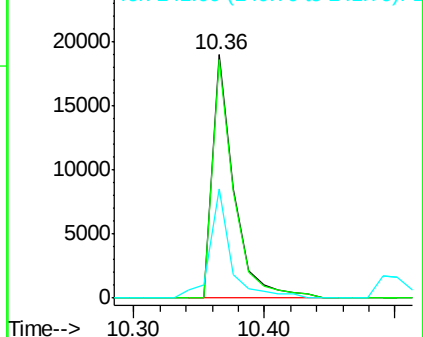


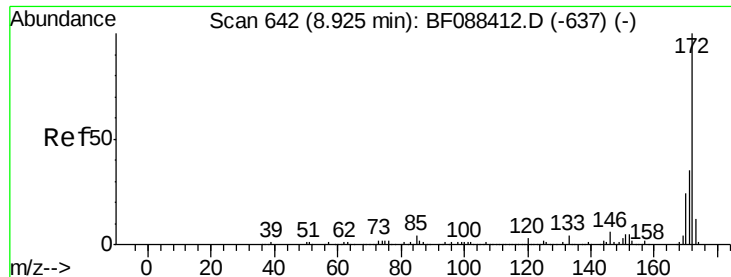
#41
 2,4,6-Tribromophenol
 Concen: 16.13 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion:330 Resp: 21915
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 43.4 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

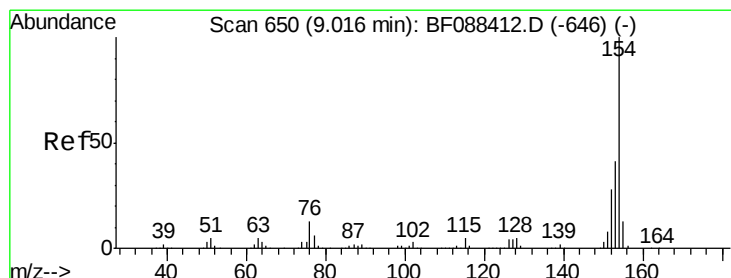
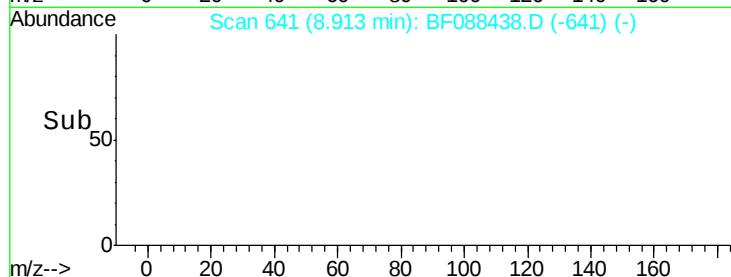
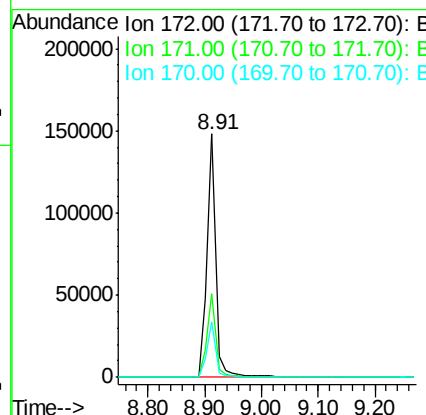
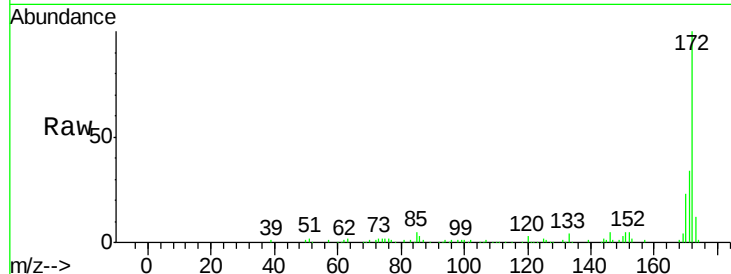




#44
 2-Fluorobiphenyl
 Concen: 14.31 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

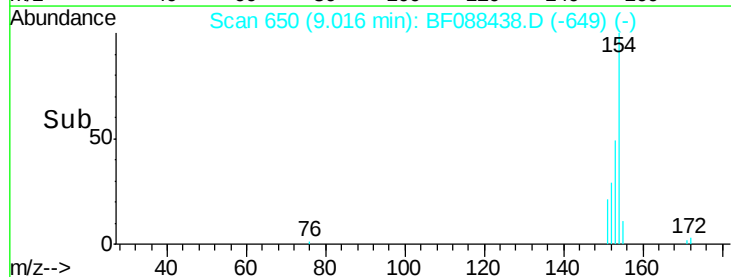
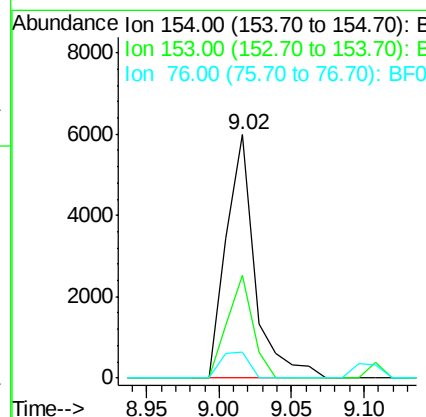
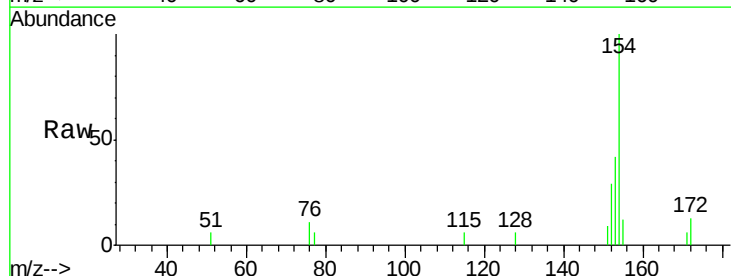
Instrument :
 BNA_F
 ClientSampleId :
 SS-4

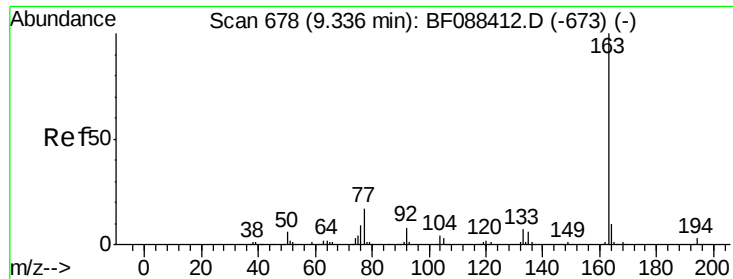
Tot Ion:172 Resp: 154929
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.6 43.0
 170 22.5 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. -0.29 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion:154 Resp: 8219
 Ion Ratio Lower Upper
 154 100
 153 42.2 20.6 60.6
 76 10.7 0.0 35.1

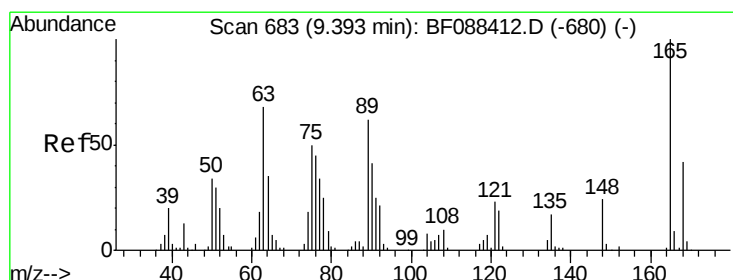
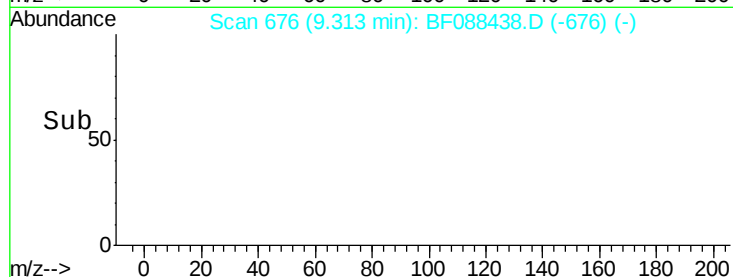
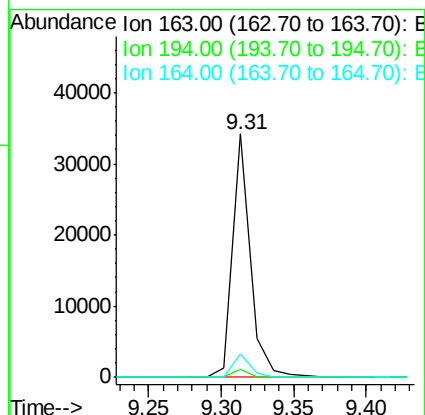
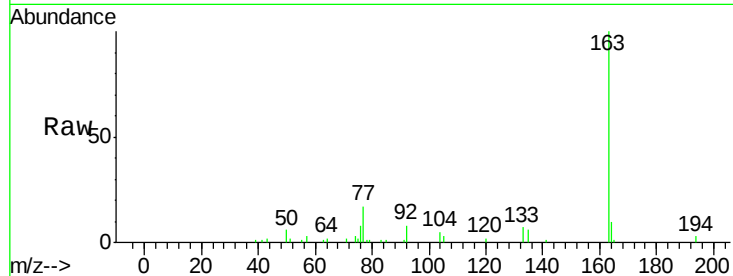




#49
Dimethylphthalate
Concen: 3.15 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.30 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

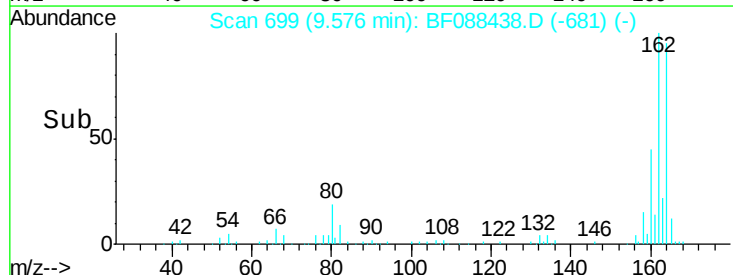
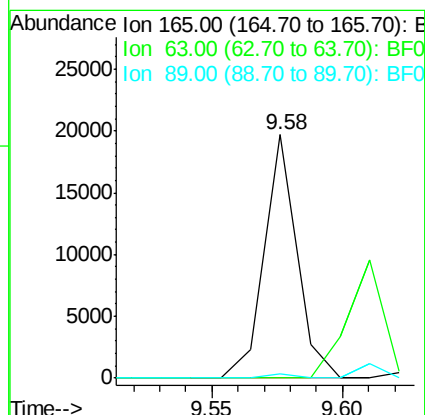
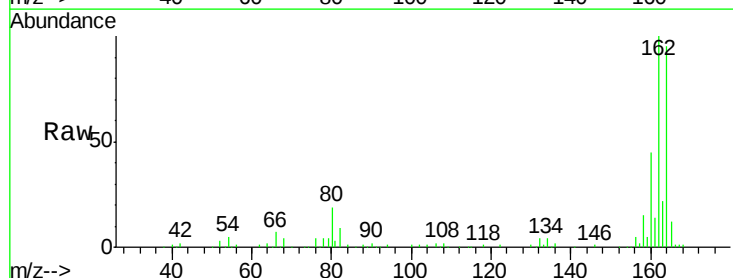
Instrument :
BNA_F
ClientSampleId :
SS-4

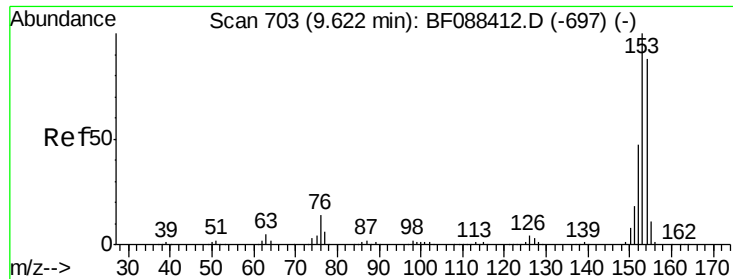
Tot Ion:163 Resp: 29380
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.6 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.09 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion:165 Resp: 16982
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 1.6 32.2 48.2#





#51

Acenaphthene

Concen: 15.62 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

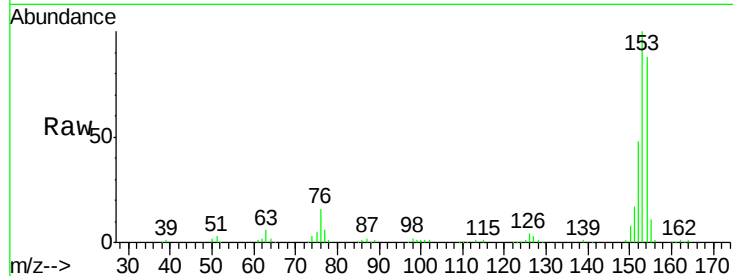
Tot Ion:154 Resp: 129059

Ion Ratio Lower Upper

154 100

153 113.8 89.5 134.3

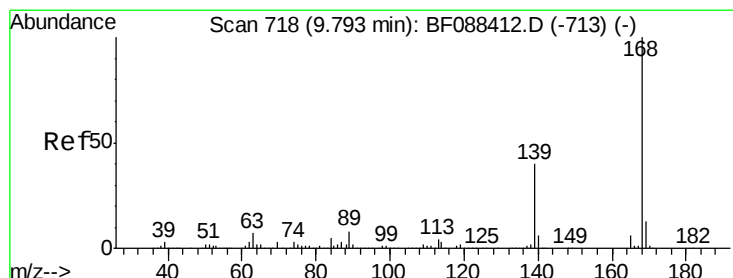
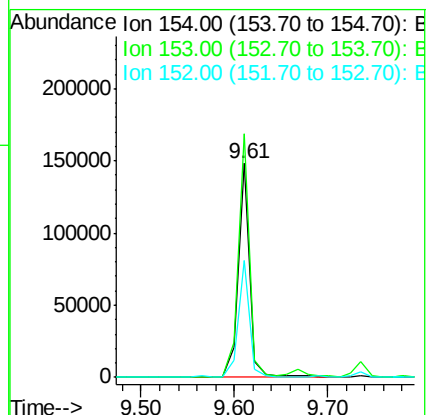
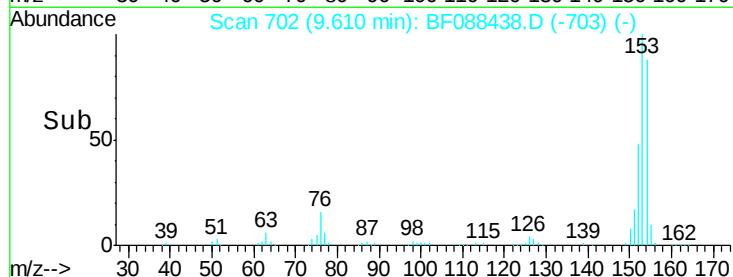
152 54.5 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.30 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

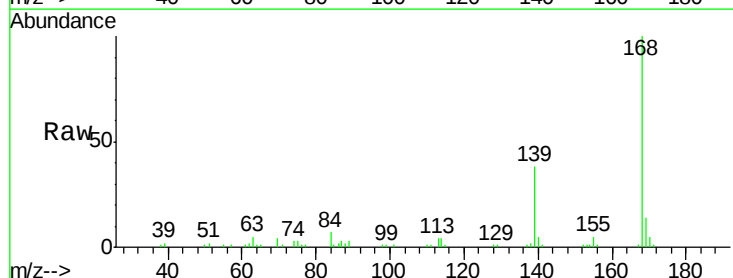
Tgt Ion:168 Resp: 71705

Ion Ratio Lower Upper

168 100

139 37.7 26.4 39.6

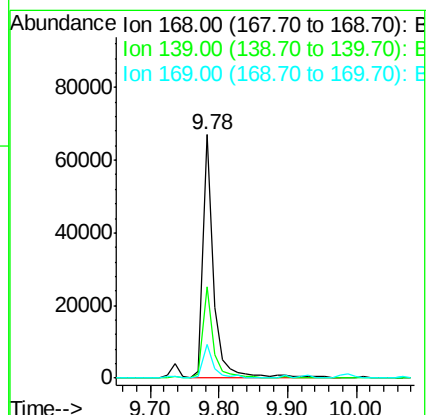
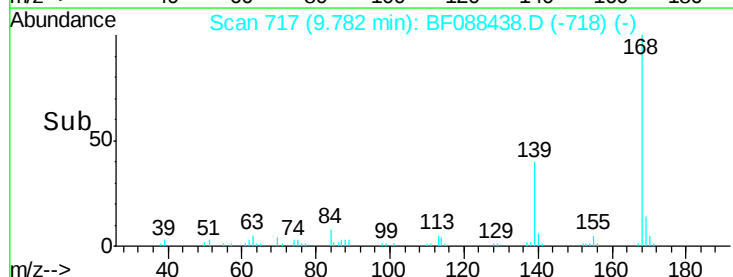
169 13.9 10.4 15.6

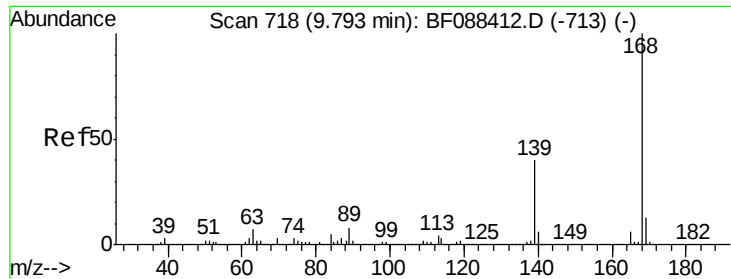


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 13.40 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.22 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

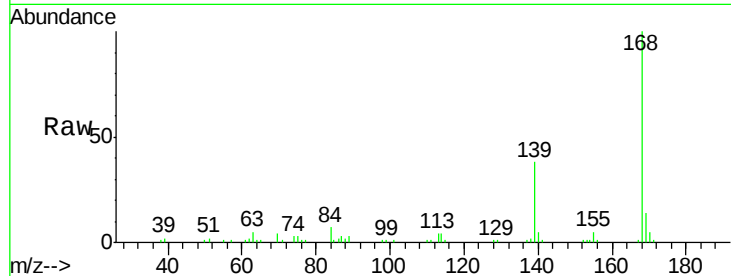
Tot Ion:139 Resp: 25625

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

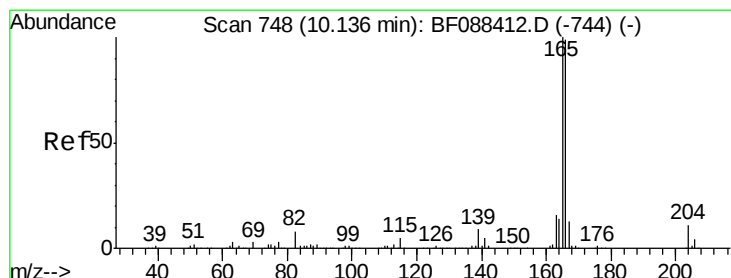
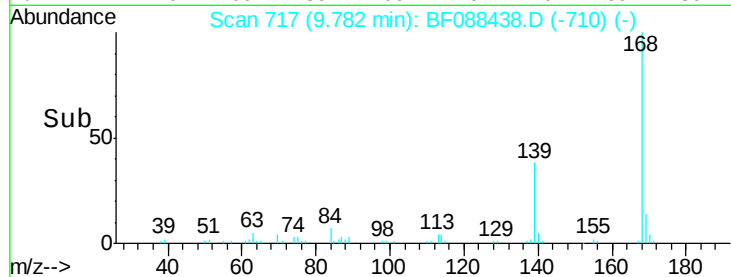
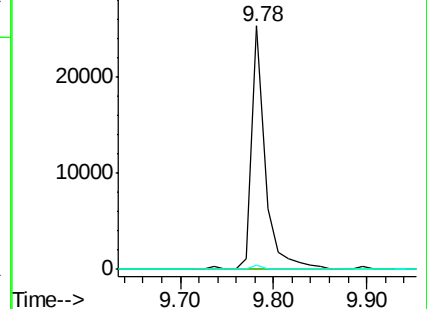
65 1.6 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 4.77 ng

RT: 10.12 min Scan# 747

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

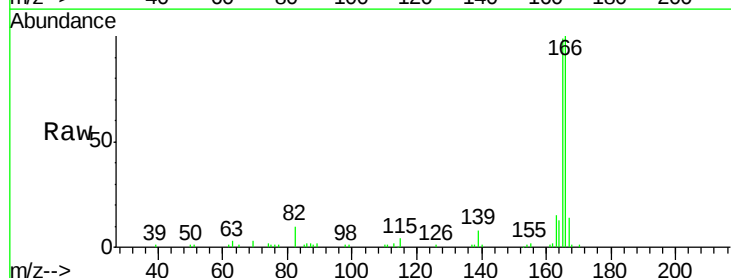
Tgt Ion:166 Resp: 69860

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.8

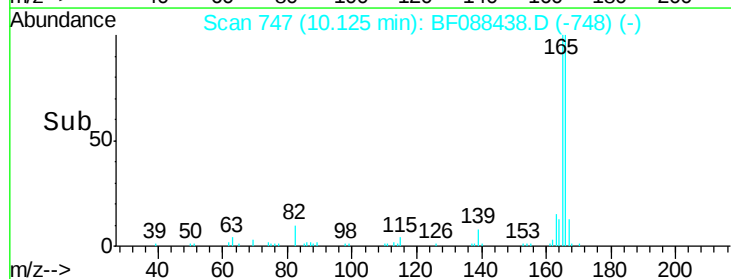
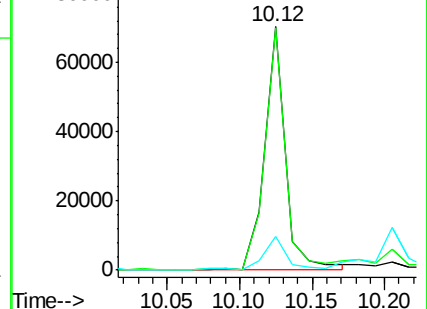
167 13.9 11.2 16.8

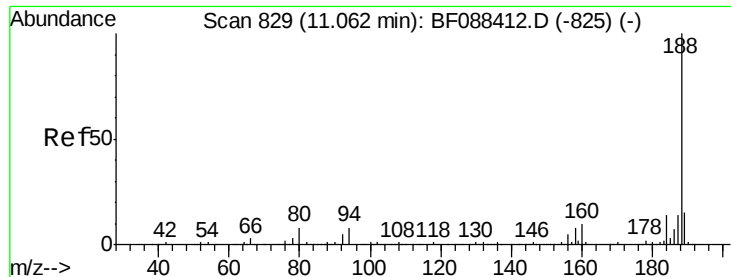


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

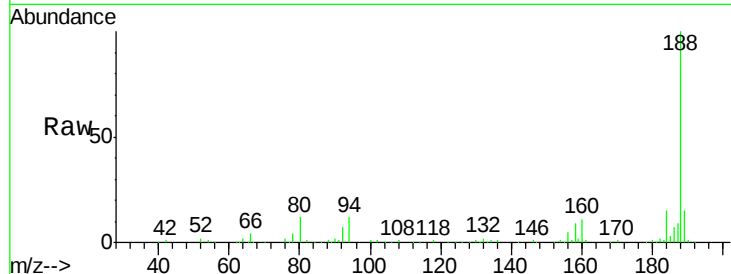




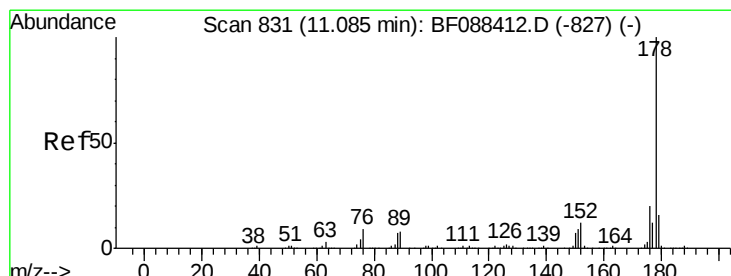
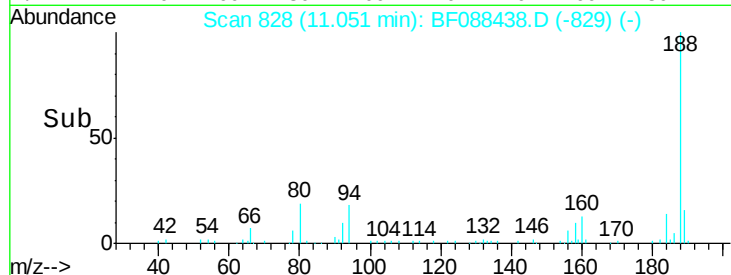
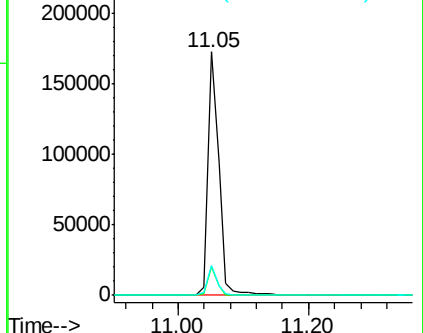
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.31 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion:188 Resp: 202297
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.6
80 12.3 10.0 15.0

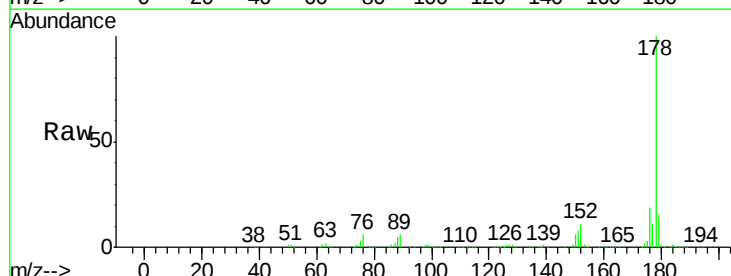


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

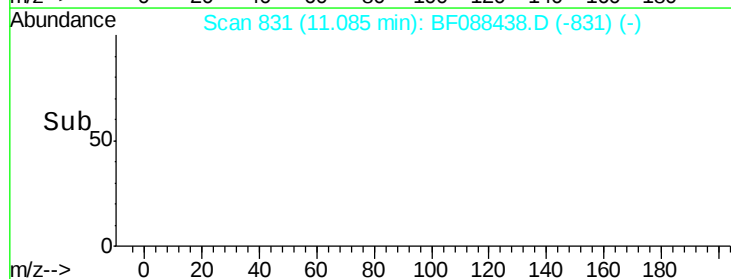
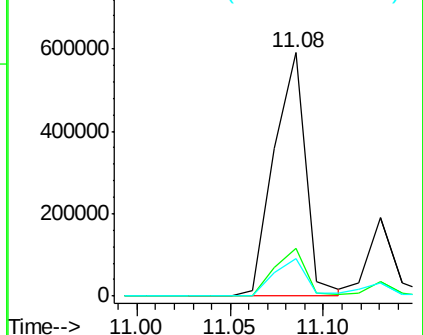


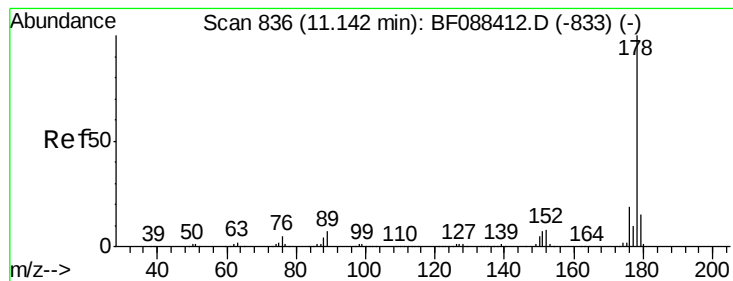
#70
Phenanthrene
Concen: 65.46 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.30 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion:178 Resp: 694850
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.2 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





#71

Anthracene

Concen: 18.97 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

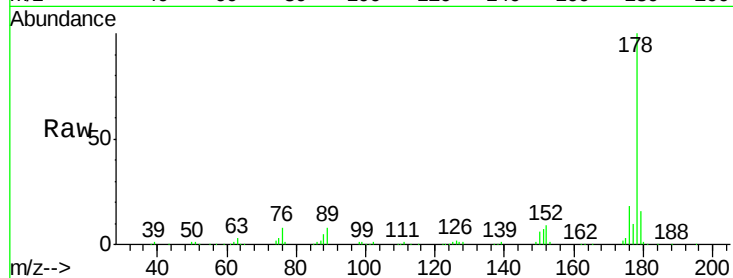
Tot Ion:178 Resp: 203149

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

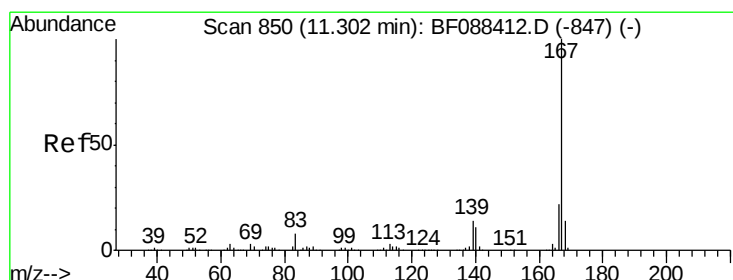
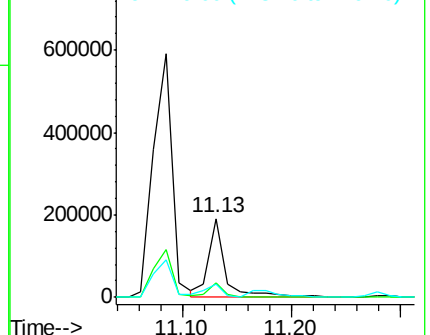
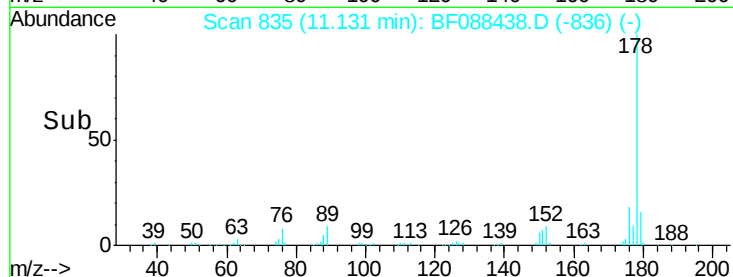
179 16.0 12.8 19.2



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



#72

Carbazole

Concen: 11.77 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.29 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

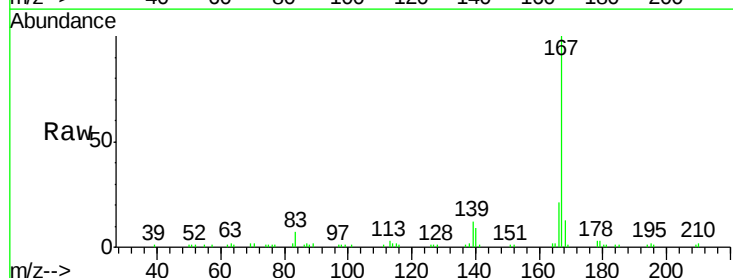
Tgt Ion:167 Resp: 117916

Ion Ratio Lower Upper

167 100

166 21.2 17.8 26.6

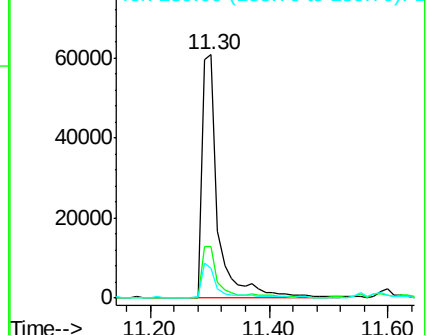
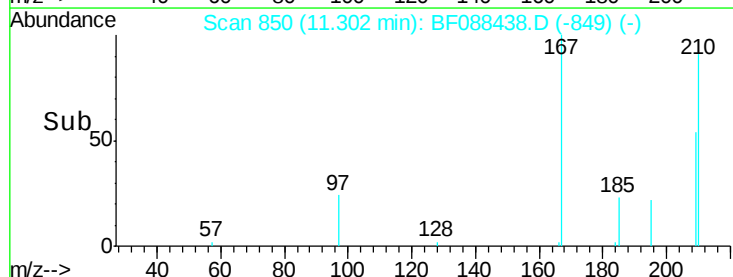
139 12.0 11.2 16.8

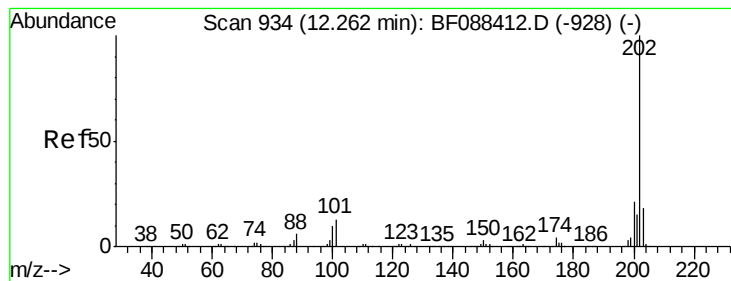


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 65.96 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampled :

SS-4

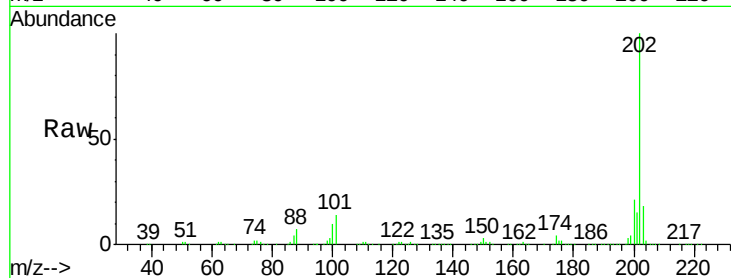
Tot Ion:202 Resp: 738901

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.1

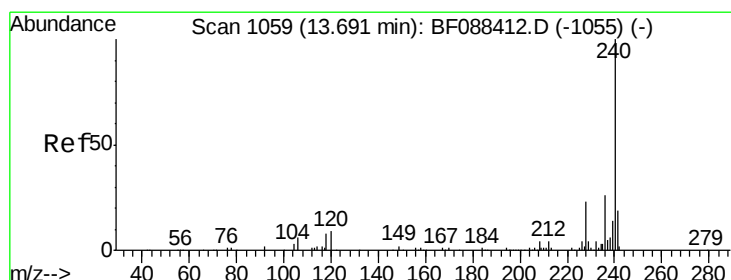
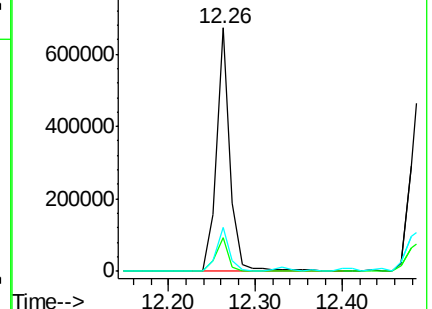
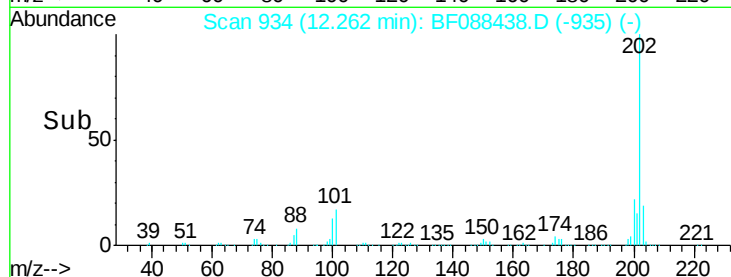
203 18.0 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

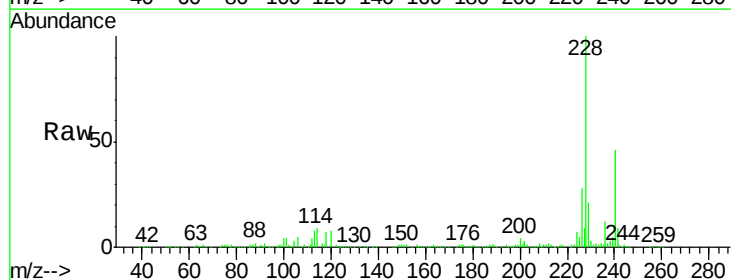
Tgt Ion:240 Resp: 141565

Ion Ratio Lower Upper

240 100

120 17.0 6.8 10.2#

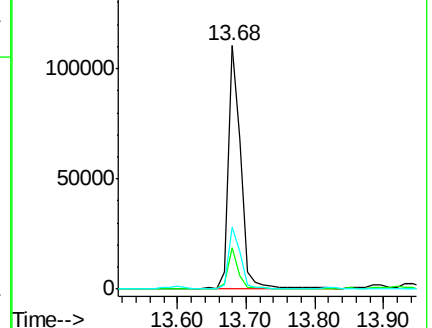
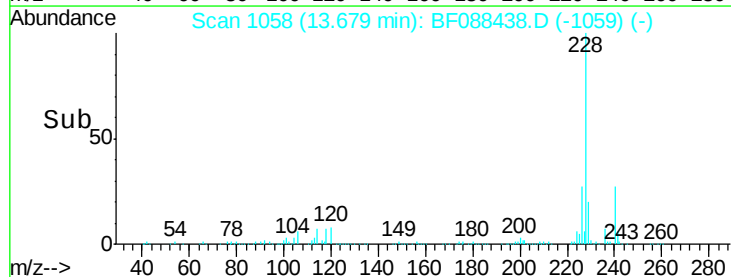
236 25.2 20.2 30.2

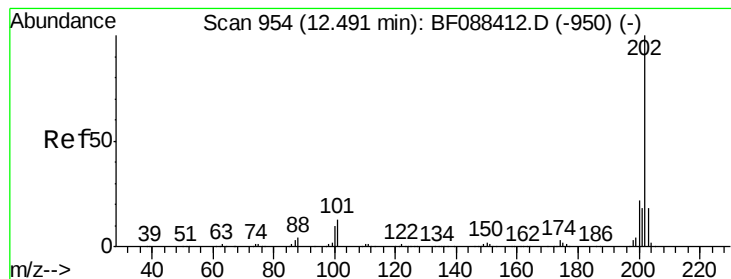


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 66.61 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

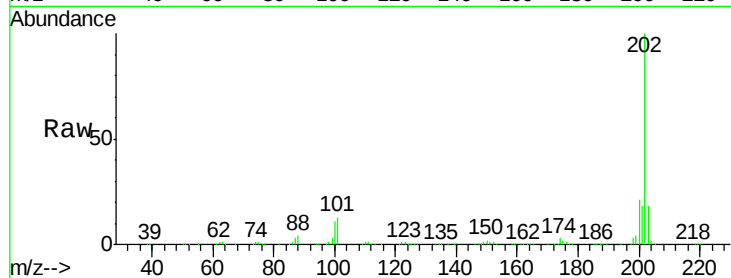
Tot Ion:202 Resp: 699762

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

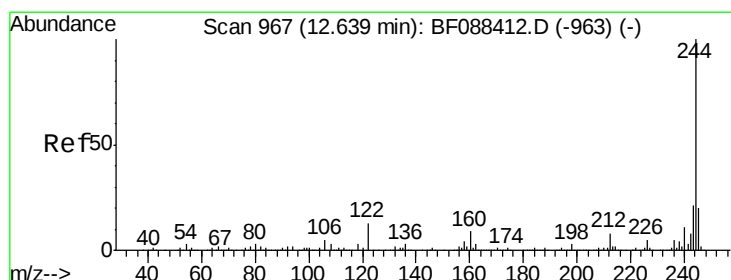
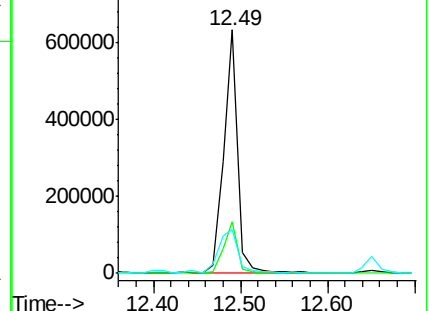
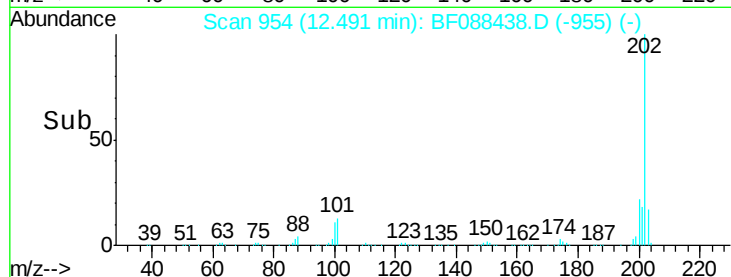
203 18.1 14.5 21.7



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: 15.72 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.32 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

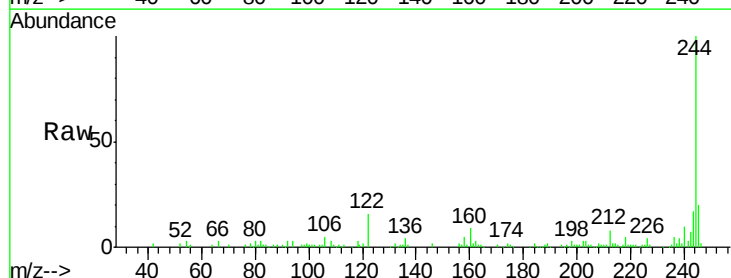
Tgt Ion:244 Resp: 97801

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

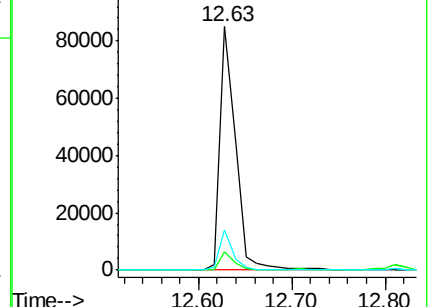
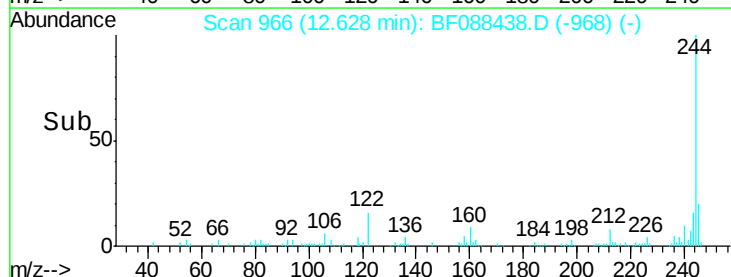
122 16.4 11.2 16.8

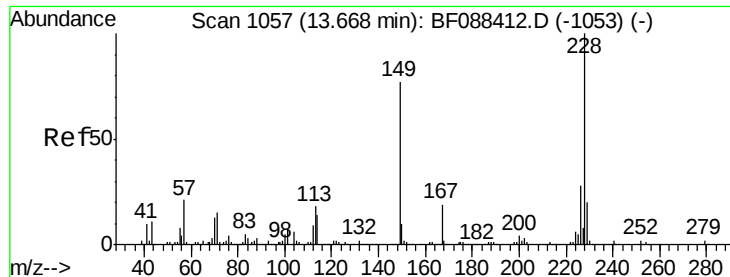


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 53.78 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.31 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

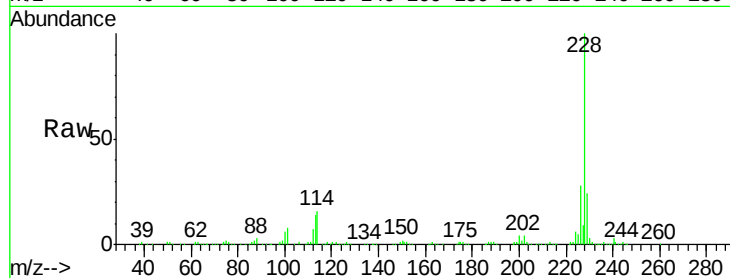
Tot Ion:228 Resp: 433817

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

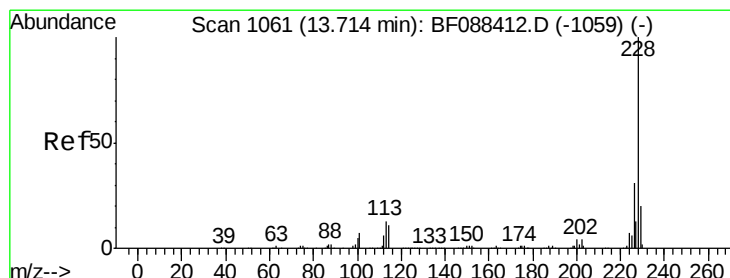
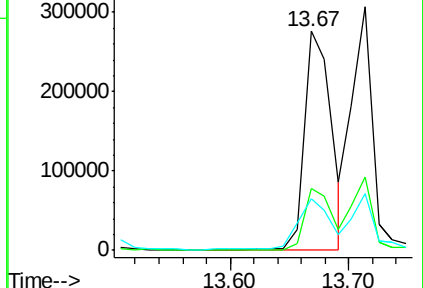
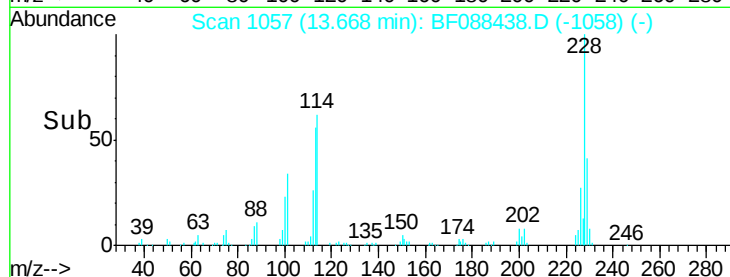
229 23.7 16.0 24.0



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



#82

Chrysene

Concen: 49.01 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.30 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

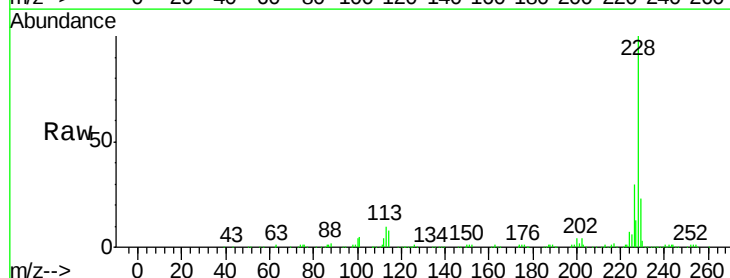
Tgt Ion:228 Resp: 371932

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.2

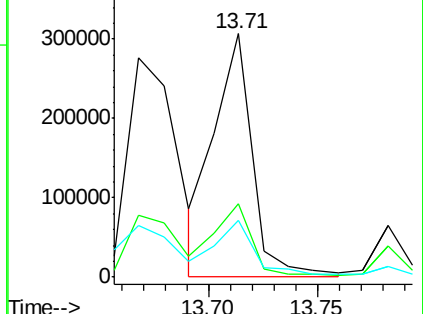
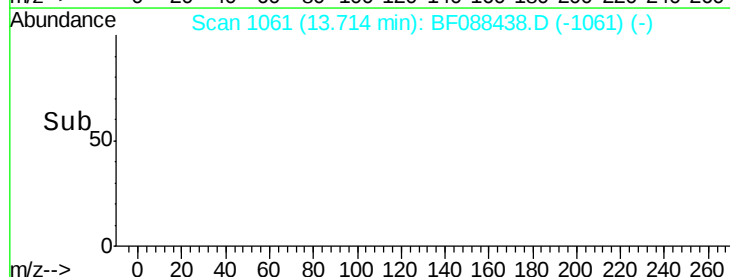
229 23.2 16.3 24.5

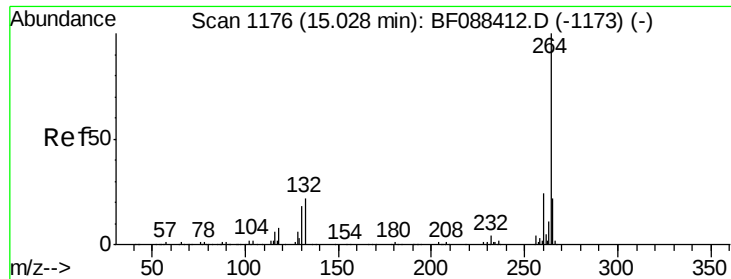


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

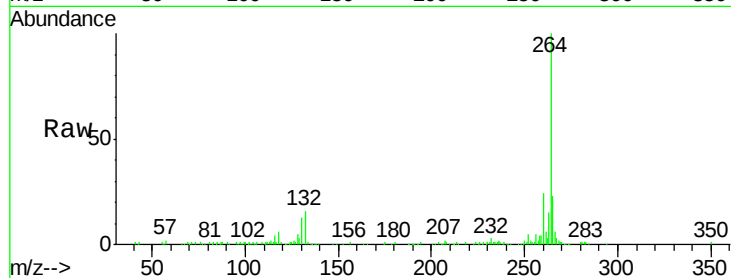




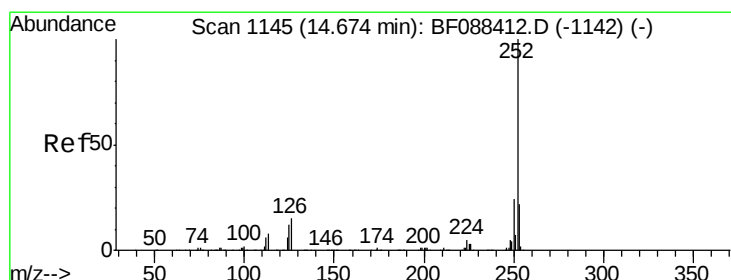
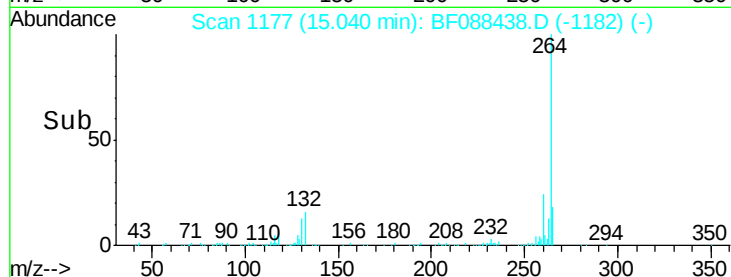
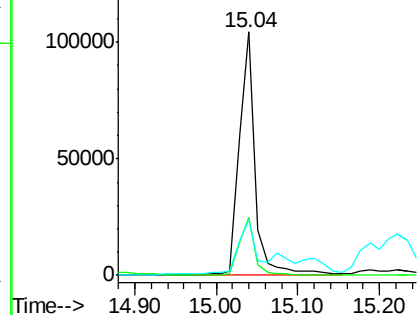
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.35 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampled :
SS-4

Tot Ion:264 Resp: 143051
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.8 16.9 25.3

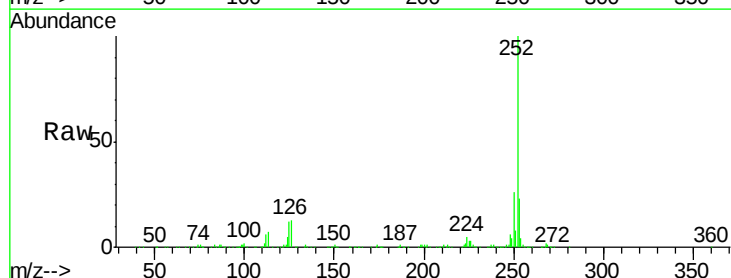


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

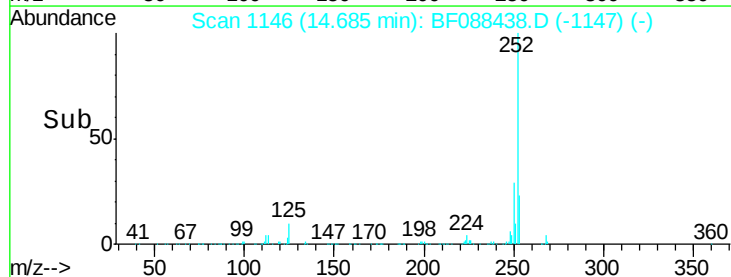
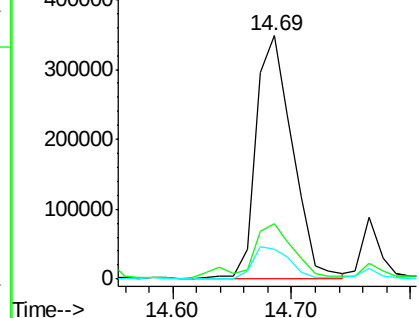


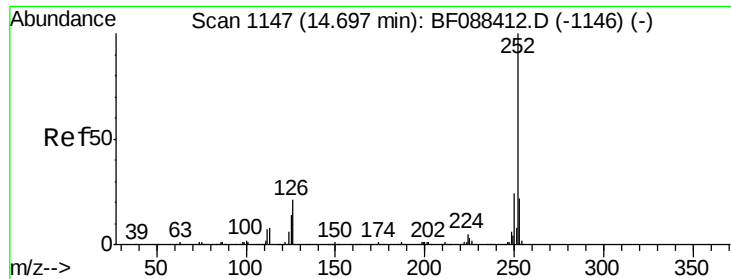
#87
Benzo(b)fluoranthene
Concen: 74.05 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.31 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion:252 Resp: 738269
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.4 7.1 10.7#



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

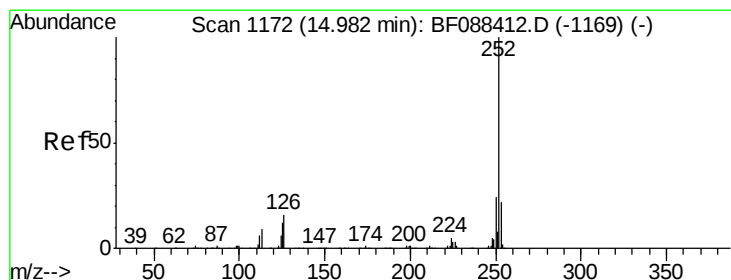
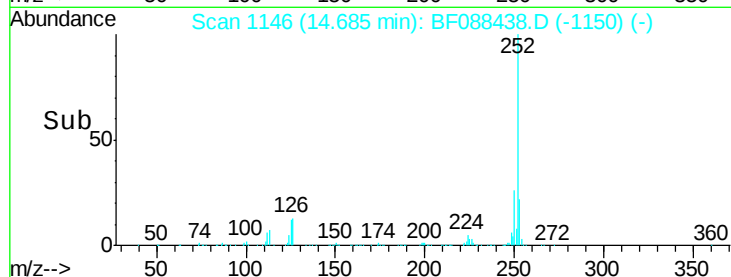
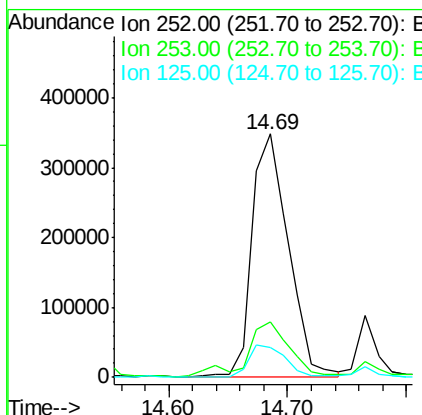
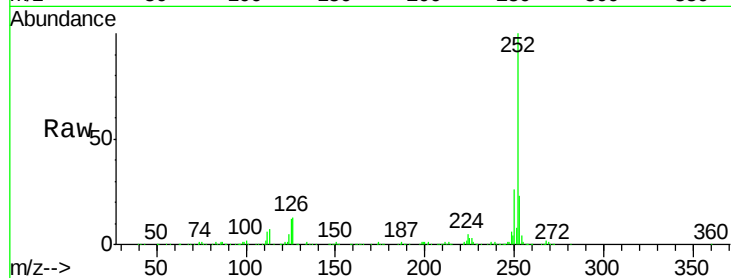




#88
Benzo(k)fluoranthene
Concen: 98.16 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.34 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

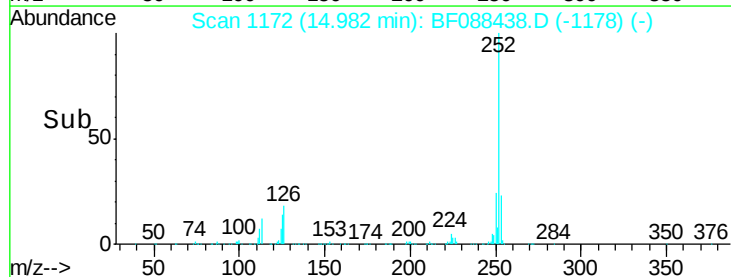
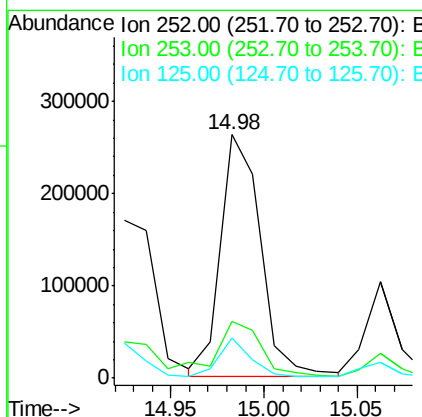
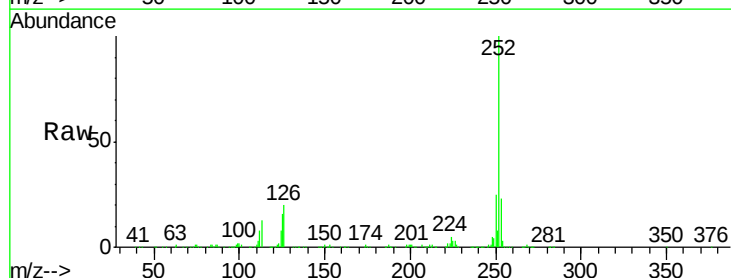
Instrument :
BNA_F
ClientSampleId :
SS-4

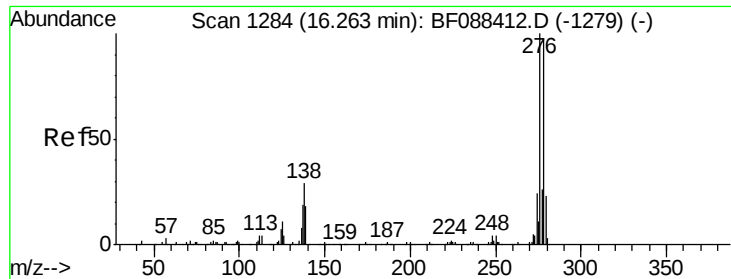
Tot Ion:252 Resp: 738269
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 12.4 11.2 16.8



#89
Benzo(a)pyrene
Concen: 48.86 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.37 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion:252 Resp: 394179
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 16.4 12.5 18.7





#90

Dibenzo(a,h)anthracene

Concen: 5.75 ng

RT: 16.40 min Scan# 1296

Delta R.T. -0.40 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

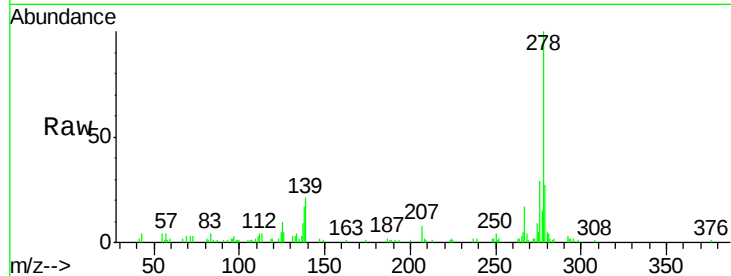
Tot Ion:278 Resp: 43045

Ion Ratio Lower Upper

278 100

139 20.7 15.7 23.5

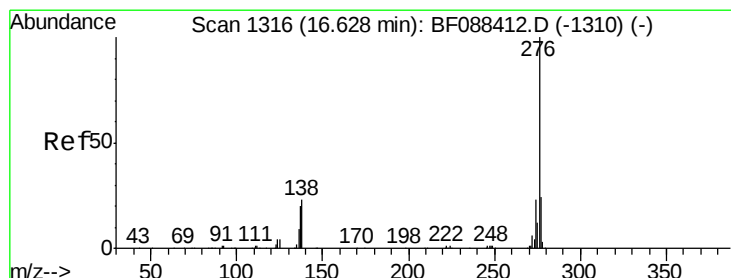
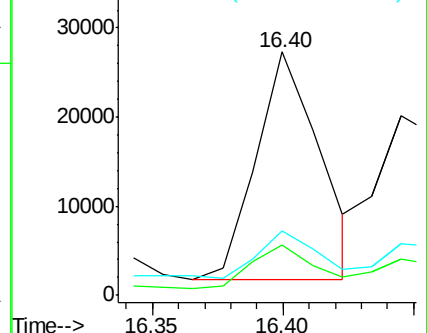
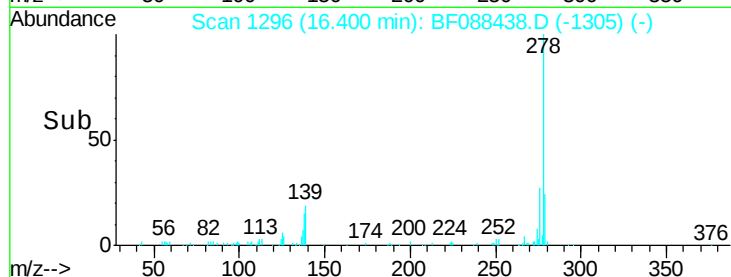
279 26.7 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.08 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.37 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

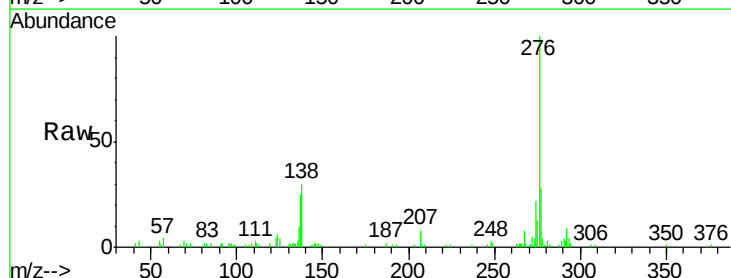
Tgt Ion:276 Resp: 70007

Ion Ratio Lower Upper

276 100

277 28.1 18.9 28.3

138 30.4 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

