

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
 Data File : BF084844.D
 Acq On : 4 Feb 2016 22:32
 Operator : SJ/IZ
 Sample : H1320-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)

Quant Time: Feb 05 01:40:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	148107	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	629932	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	270597	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	409636	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	298644	20.00	ng	-0.01
86) Perylene-d12	15.20	264	320134	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1019180	107.18	ng	-0.01
7) Phenol-d6	6.33	99	1370423	116.26	ng	-0.01
23) Nitrobenzene-d5	7.24	82	744008	66.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	288421	102.18	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	1125815	64.76	ng	-0.02
78) Terphenyl-d14	12.77	244	776202	58.90	ng	-0.02

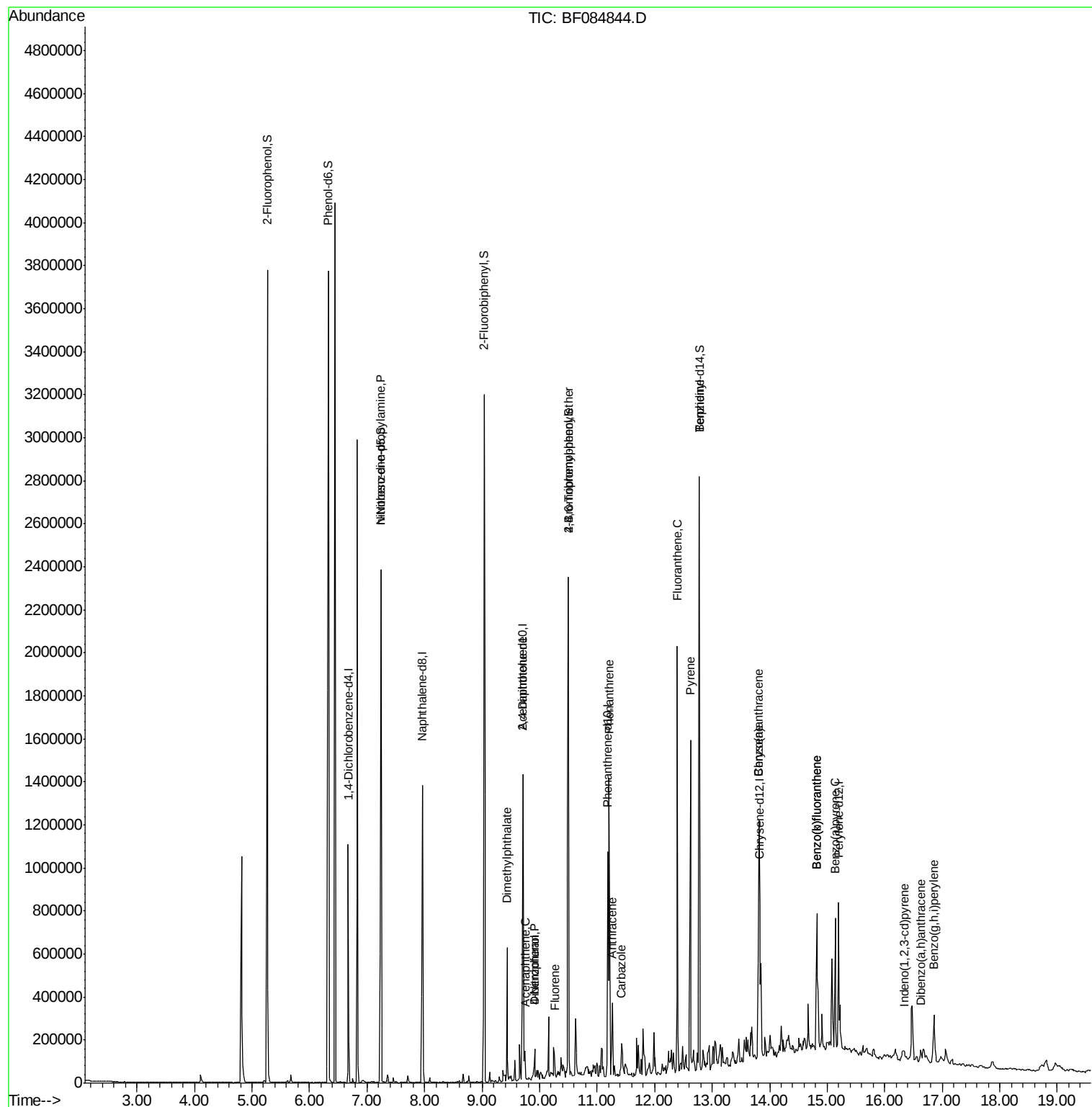
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	102553	13.88	ng	# 71
49) Dimethylphthalate	9.44	163	217856	10.57	ng	# 91
51) Acenaphthene	9.74	154	38898	2.21	ng	98
54) Dibenzofuran	9.92	168	44981	2.09	ng	93
55) 4-Nitrophenol	9.92	139	15779	4.24	ng	# 14
56) 2,4-Dinitrotoluene	9.71	165	36523	6.36	ng	# 22
57) Fluorene	10.26	166	48538	2.71	ng	97
66) 4-Bromophenyl-phenylether	10.50	248	19217	4.25	ng	# 1
70) Phenanthrene	11.21	178	624531	27.49	ng	98
71) Anthracene	11.26	178	144940	6.33	ng	98
72) Carbazole	11.43	167	45713	2.29	ng	97
74) Fluoranthene	12.40	202	747884	32.52	ng	98
76) Benzydine	12.77	184	11861	7.64	ng	# 92
77) Pyrene	12.63	202	693274	30.32	ng	100
80) Benzo(a)anthracene	13.81	228	521021	28.11	ng	95
82) Chrysene	13.81	228	521021	28.99	ng	99
85) Indeno(1,2,3-cd)pyrene	16.34	276	34009	2.40	ng	96
87) Benzo(b)fluoranthene	14.82	252	449820	20.91	ng	# 96
88) Benzo(k)fluoranthene	14.82	252	449820	25.29	ng	99
89) Benzo(a)pyrene	15.14	252	277012	15.11	ng	97
90) Dibenzo(a,h)anthracene	16.63	278	32586	2.11	ng	96
91) Benzo(g,h,i)perylene	16.85	276	171372	11.03	ng	98

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

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QLast Update : Wed Feb 03 14:16:01 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

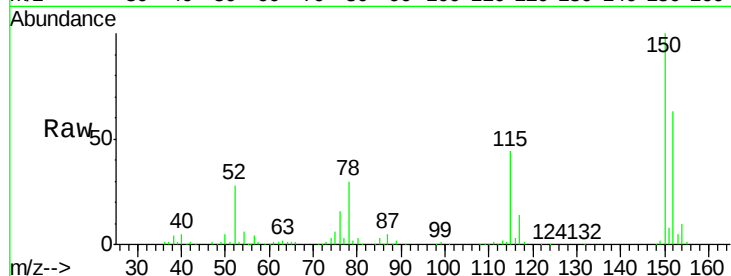
Tgt Ion:152 Resp: 148107

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

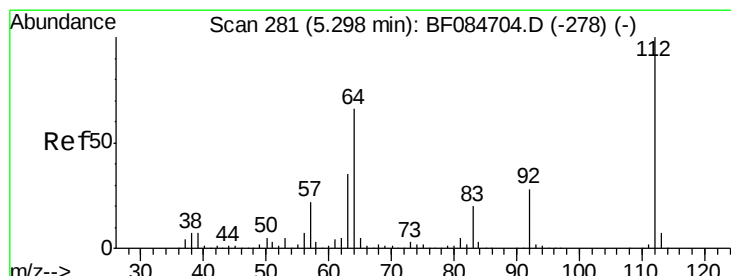
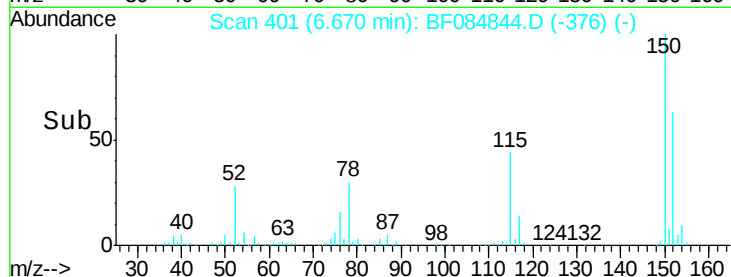
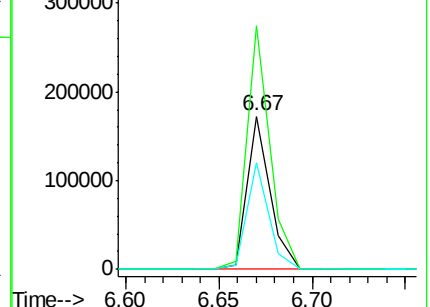
115 70.0 51.4 77.2



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: 107.18 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

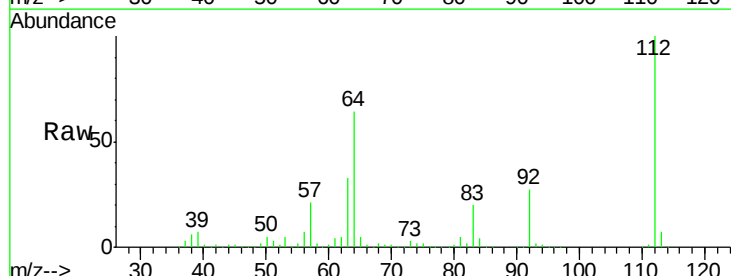
Tgt Ion:112 Resp: 1019180

Ion Ratio Lower Upper

112 100

64 63.9 36.6 55.0#

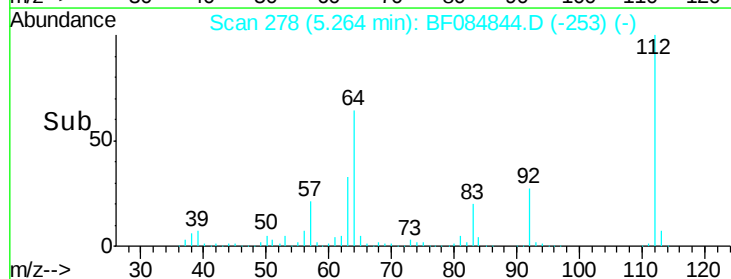
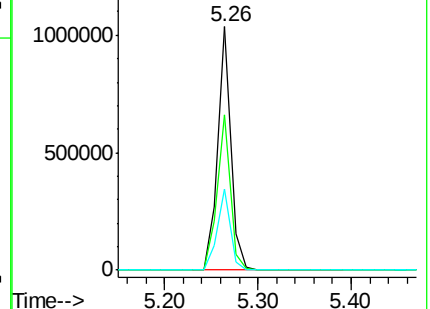
63 33.2 19.4 29.0#

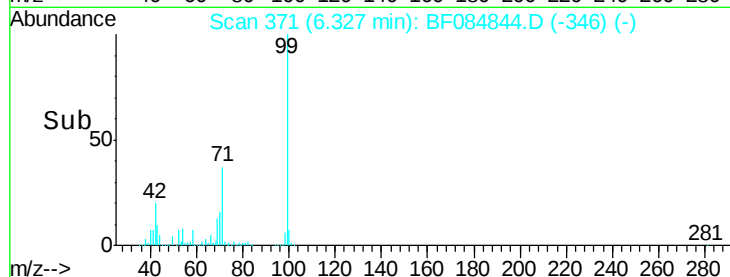
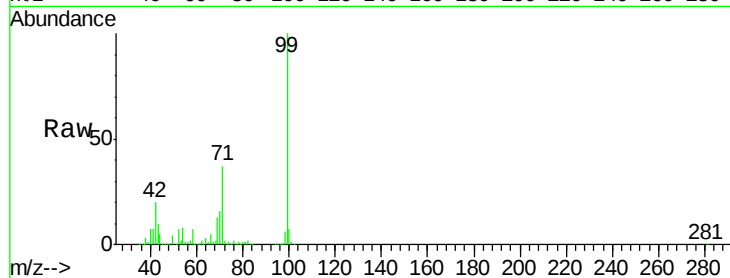


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.26 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

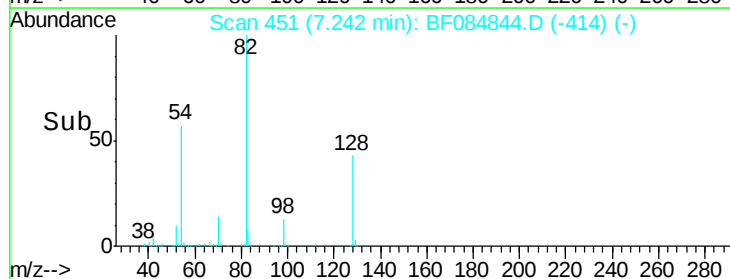
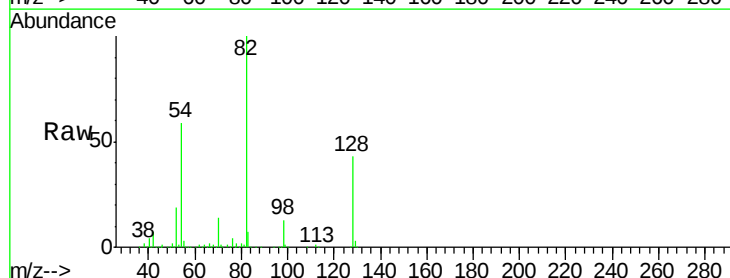
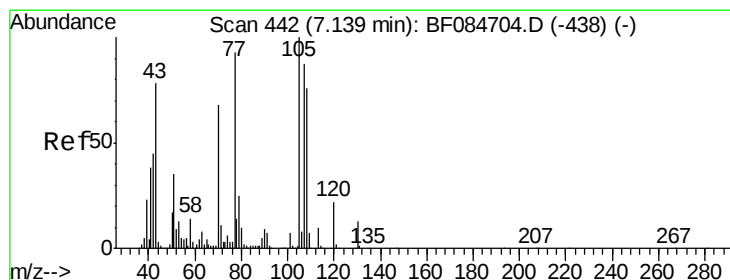
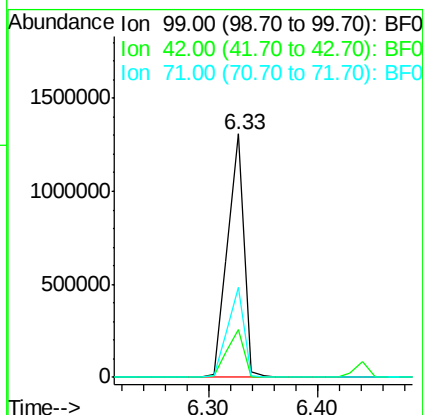
Tgt Ion: 99 Resp: 1370423

Ion Ratio Lower Upper

99 100

42 19.7 12.8 19.2#

71 37.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.88 ng

RT: 7.24 min Scan# 451

Delta R.T. 0.13 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Tgt Ion: 70 Resp: 102553

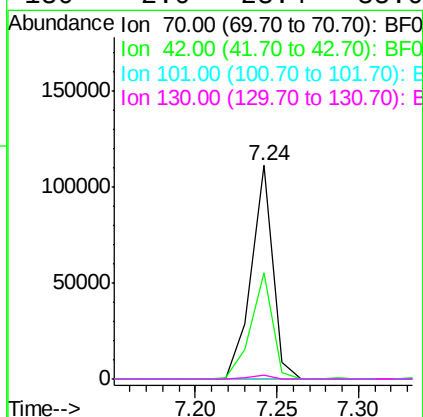
Ion Ratio Lower Upper

70 100

42 49.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

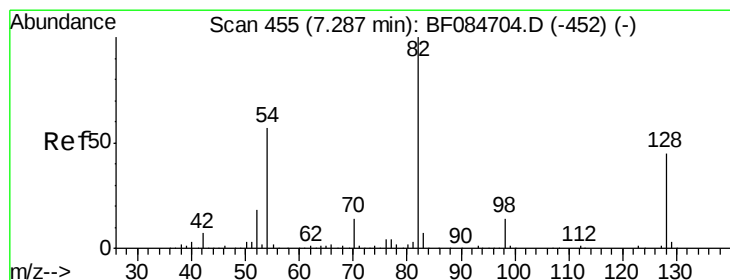
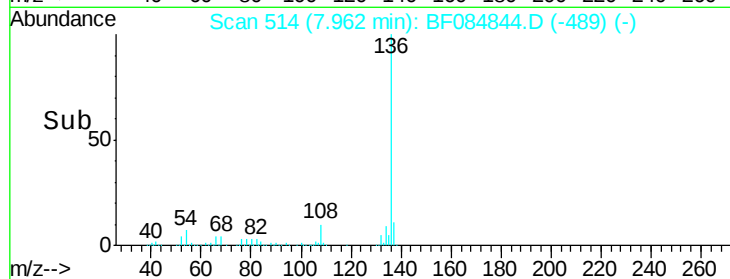
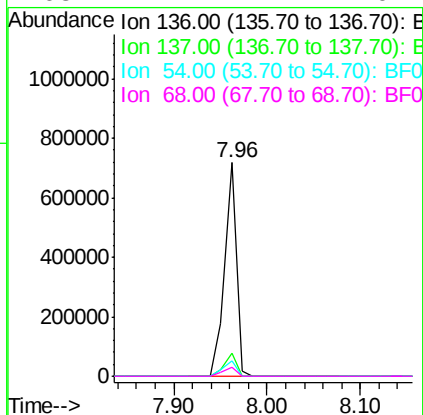
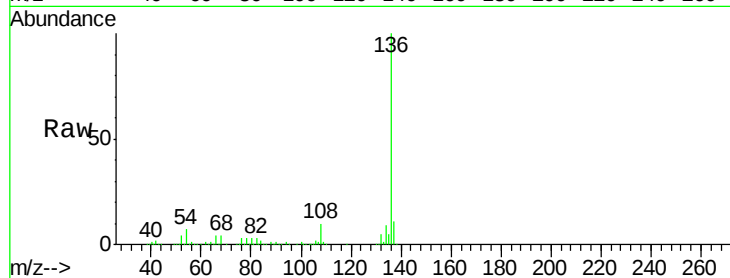




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

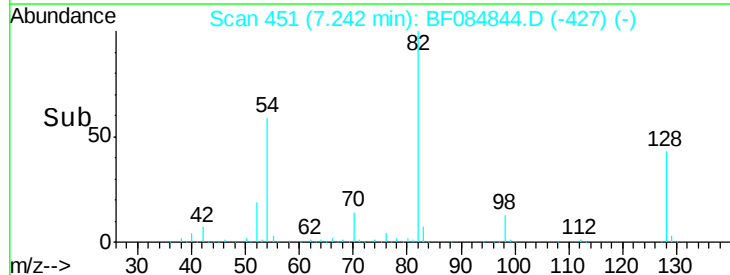
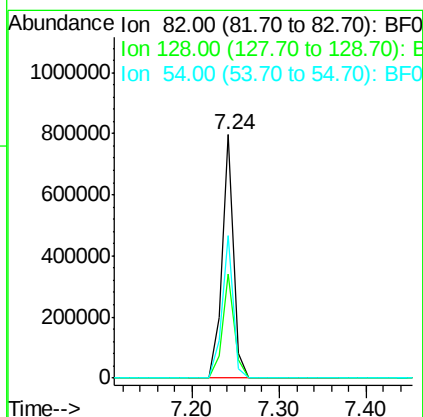
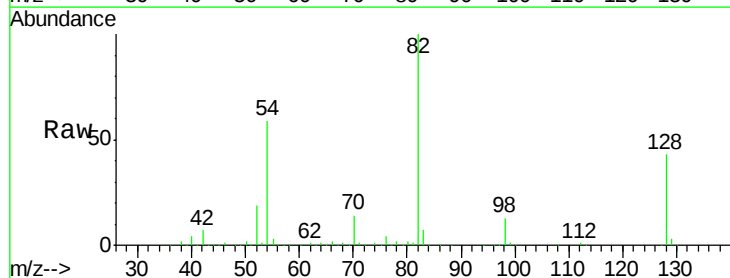
Instrument :
BNA_F
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S4-B019(11-13)

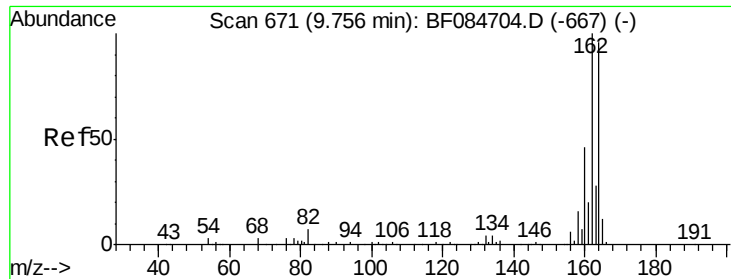
Tgt Ion:	136	Resp:	629932
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	7.0	5.8	8.8
68	4.1	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 66.53 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion:	82	Resp:	744008
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	51.8
54	58.6	38.4	57.6#

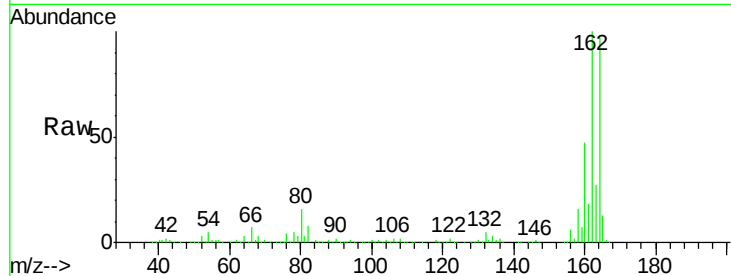




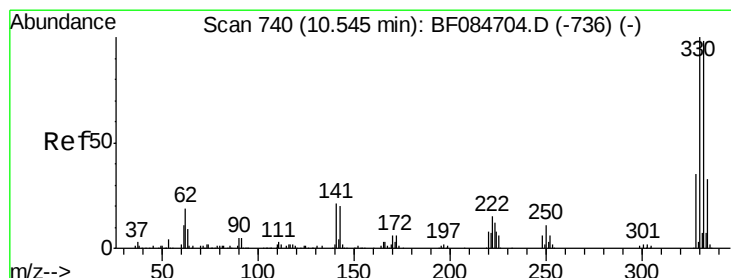
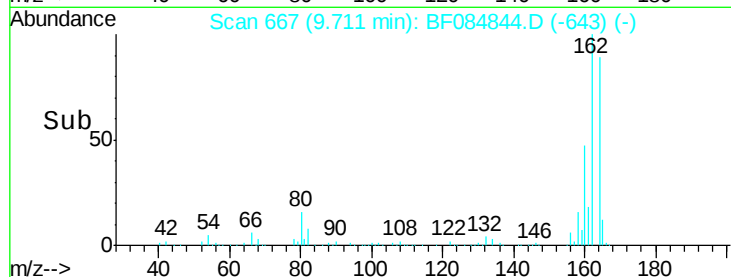
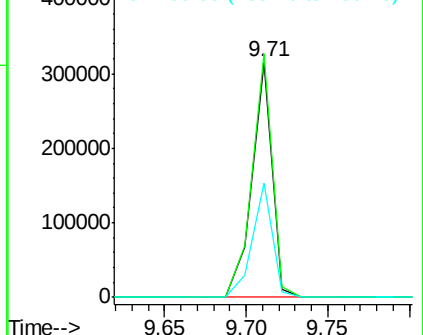
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tgt Ion:164 Resp: 270597
Ion Ratio Lower Upper
164 100
162 103.6 85.1 127.7
160 48.4 37.5 56.3

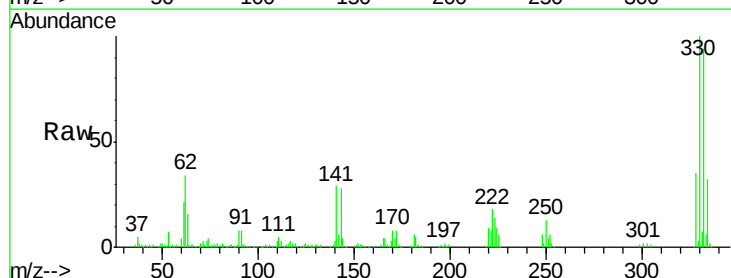


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

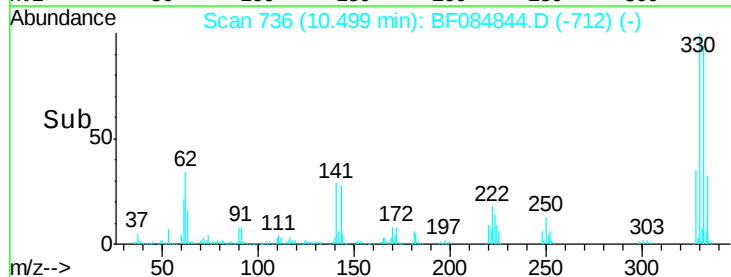
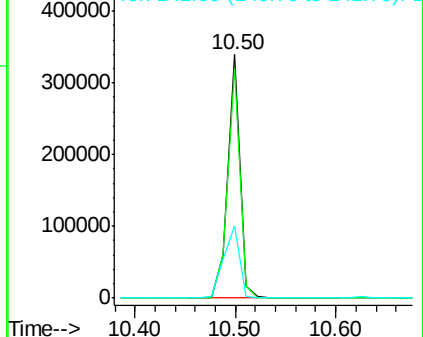


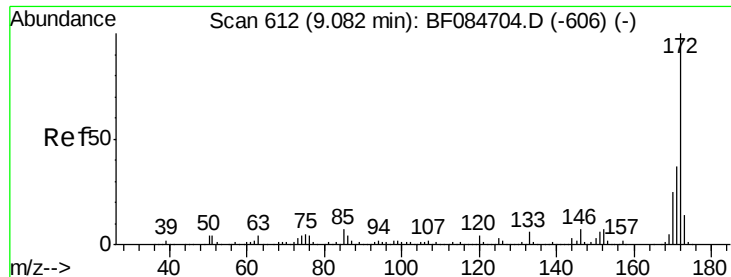
#41
2,4,6-Tribromophenol
Concen: 102.18 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion:330 Resp: 288421
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 38.6 27.8 41.6



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

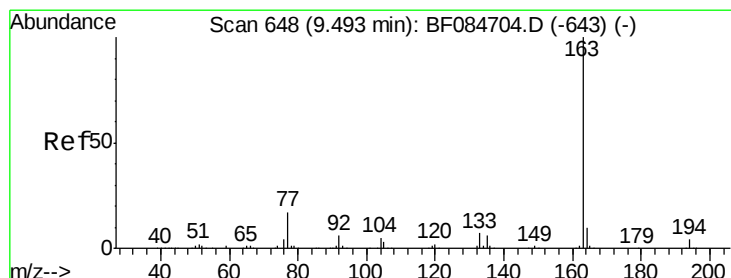
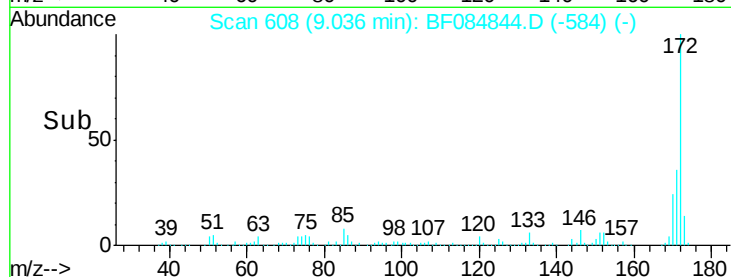
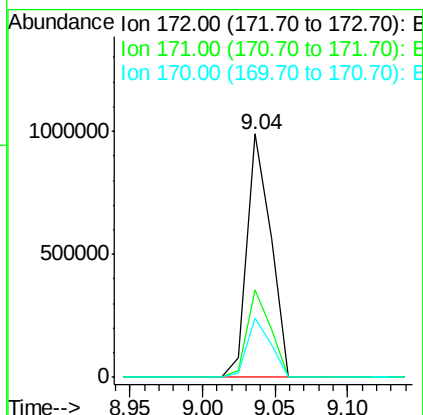
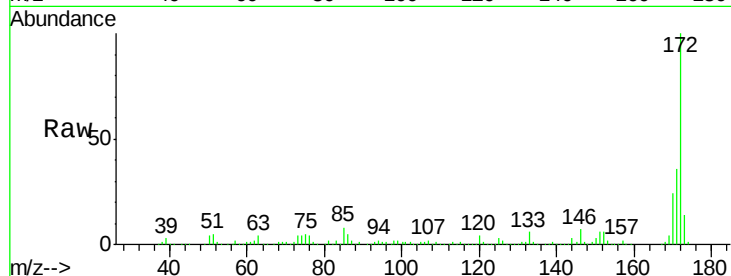




#44
 2-Fluorobiphenyl
 Concen: 64.76 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

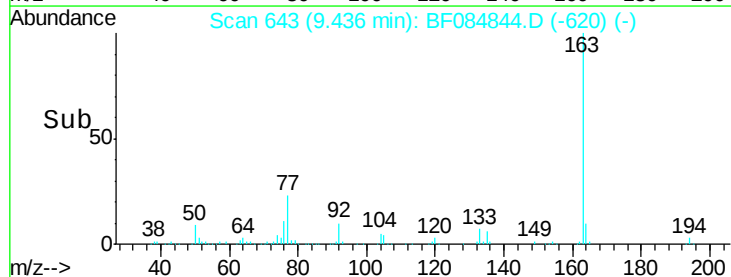
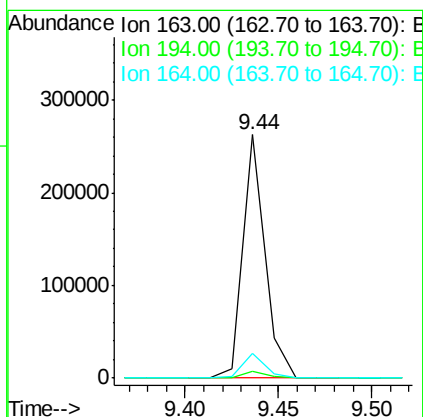
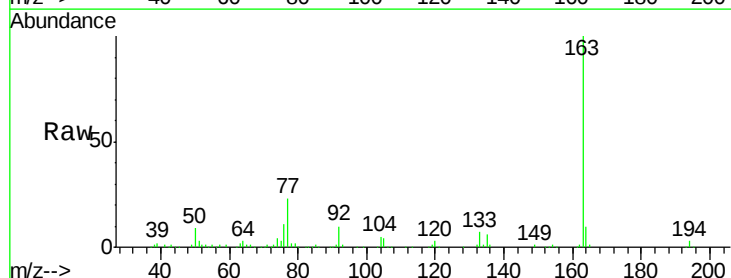
Instrument :
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 S4-B019(11-13)

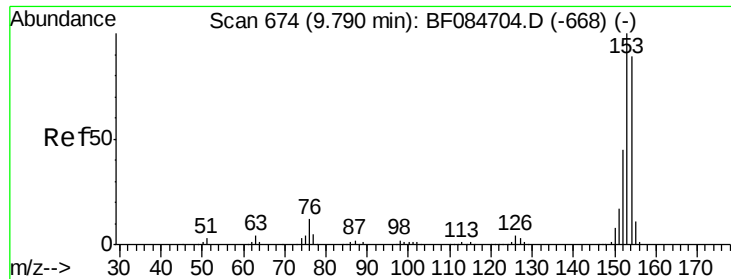
Tgt Ion:172 Resp: 1125815
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 24.5 18.6 27.8



#49
 Dimethylphthalate
 Concen: 10.57 ng
 RT: 9.44 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Tgt Ion:163 Resp: 217856
 Ion Ratio Lower Upper
 163 100
 194 3.0 8.0 12.0#
 164 9.9 8.0 12.0





#51

Acenaphthene

Concen: 2.21 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

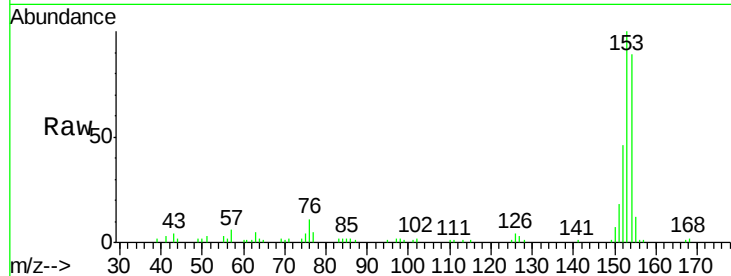
Tgt Ion:154 Resp: 38898

Ion Ratio Lower Upper

154 100

153 112.6 91.5 137.3

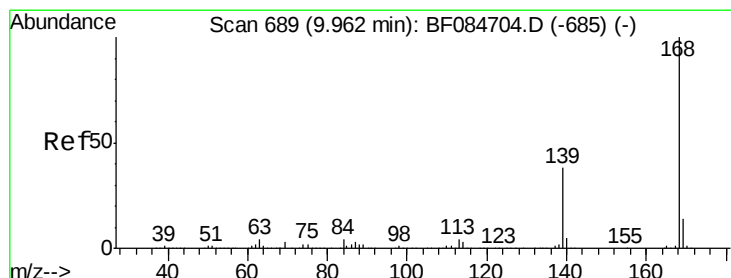
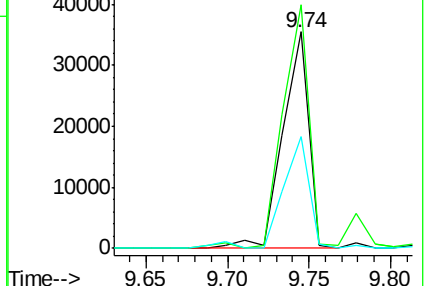
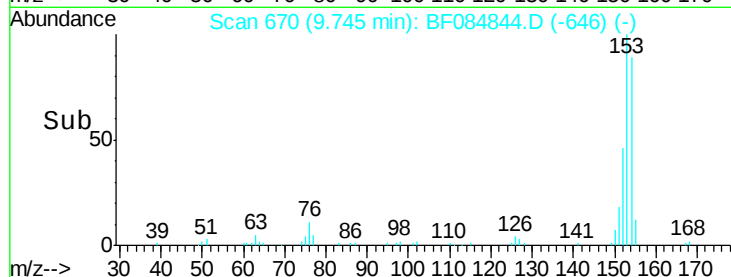
152 51.9 43.0 64.6



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: 2.09 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

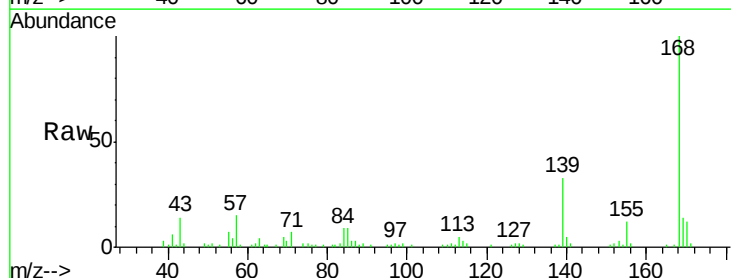
Tgt Ion:168 Resp: 44981

Ion Ratio Lower Upper

168 100

139 33.0 30.5 45.7

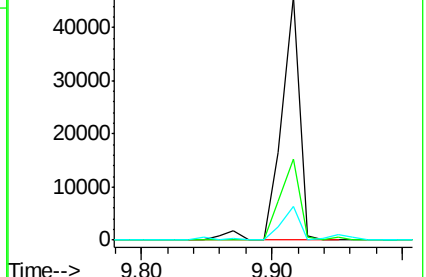
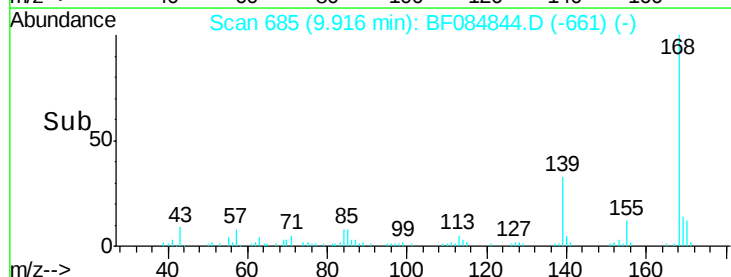
169 13.7 10.4 15.6

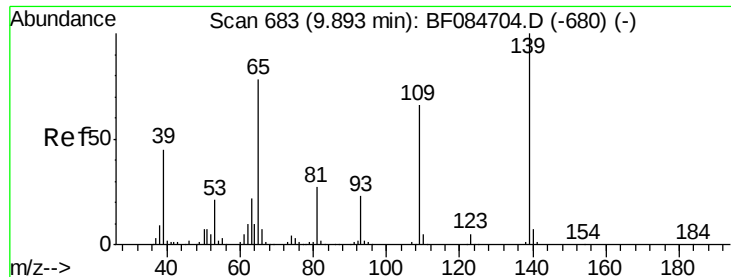


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

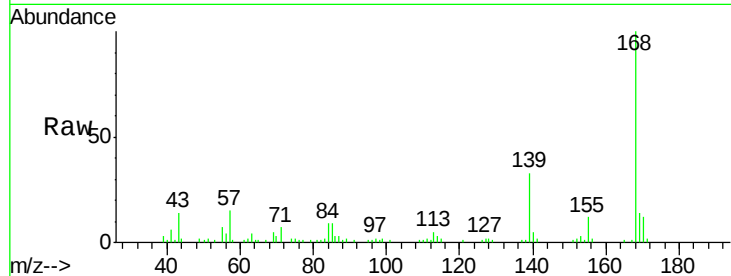




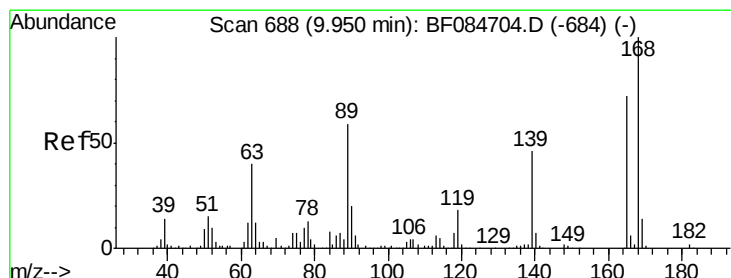
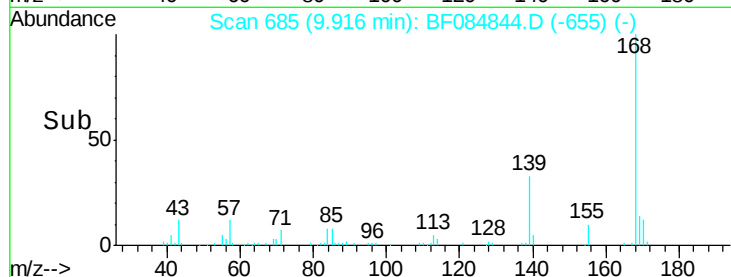
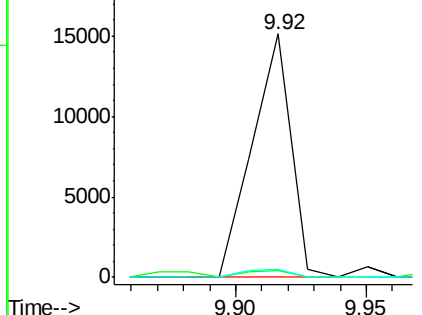
#55
 4-Nitrophenol
 Concen: 4.24 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.05 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Instrument :
 BNA_F
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 S4-B019(11-13)

Tgt Ion:139 Resp: 15779
 Ion Ratio Lower Upper
 139 100
 109 3.0 58.5 98.5#
 65 3.1 57.6 97.6#

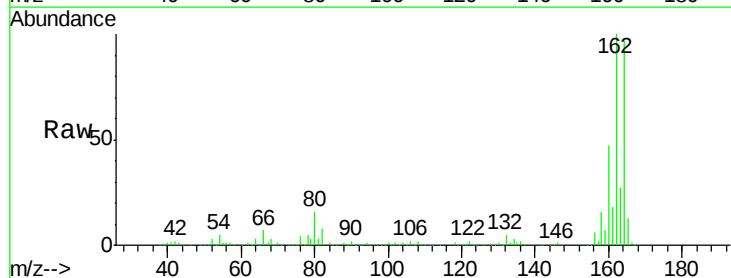


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

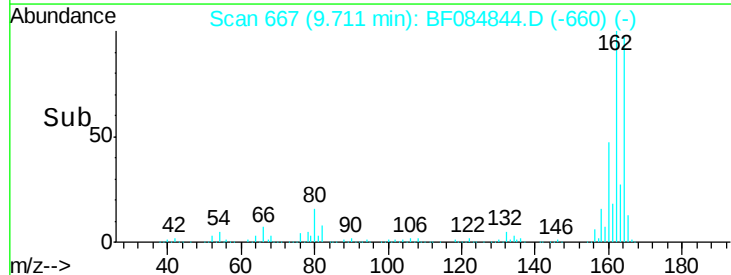
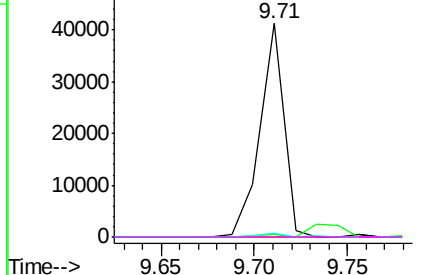


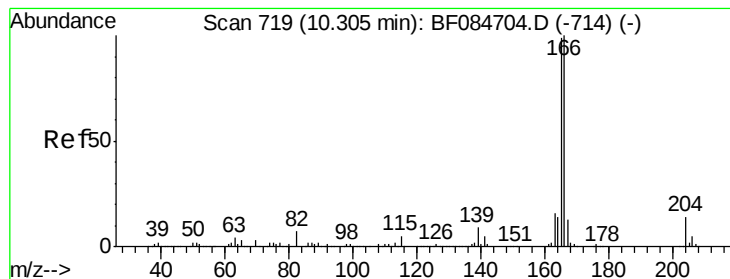
#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.22 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Tgt Ion:165 Resp: 36523
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.7 55.1#
 89 1.7 61.9 92.9#
 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





#57

Fluorene

Concen: 2.71 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

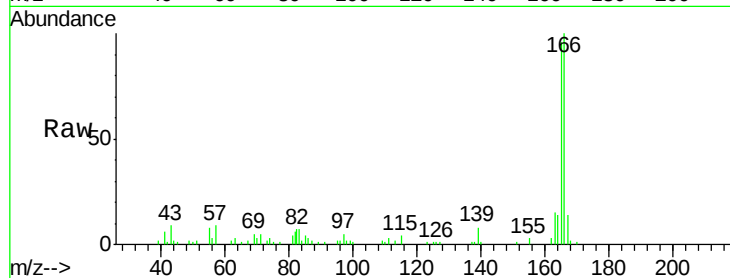
Tgt Ion:166 Resp: 48538

Ion Ratio Lower Upper

166 100

165 96.1 79.1 118.7

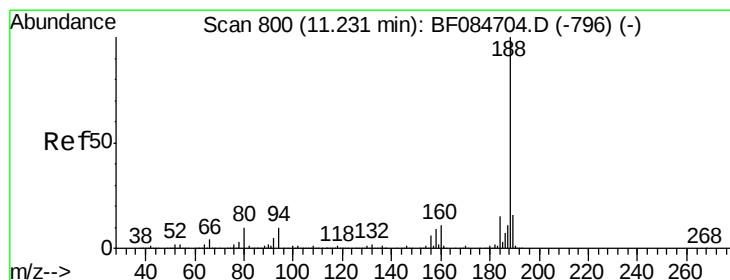
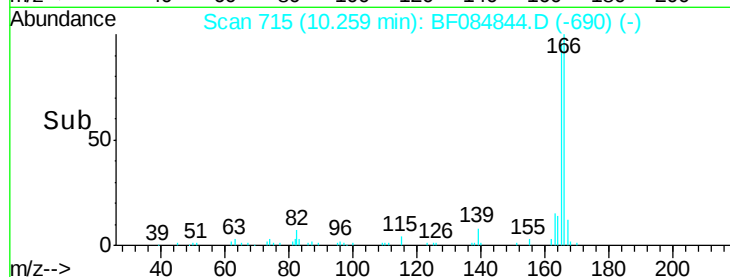
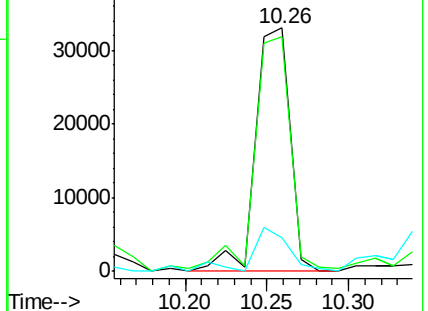
167 13.7 10.4 15.6



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: 11.18 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

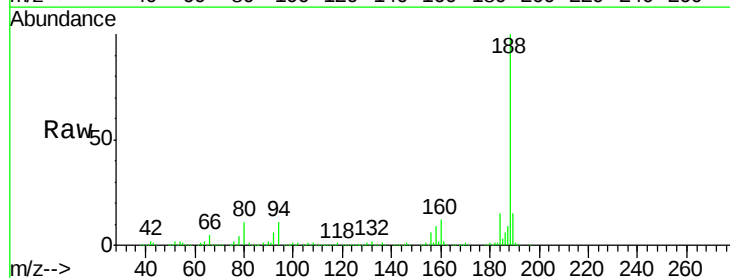
Tgt Ion:188 Resp: 409636

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

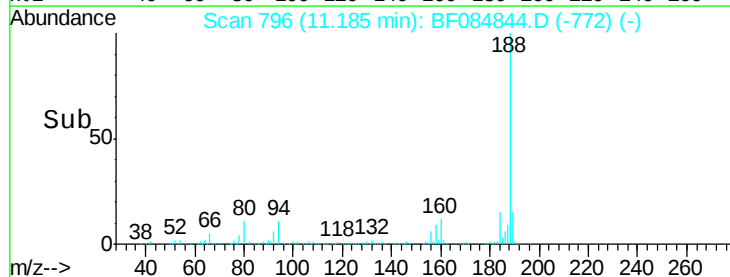
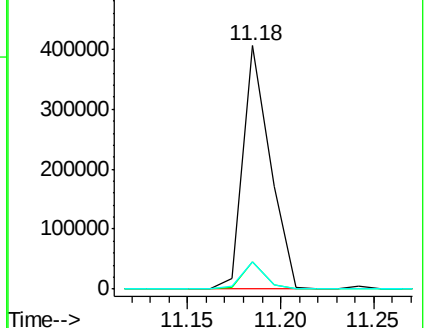
80 11.3 9.6 14.4

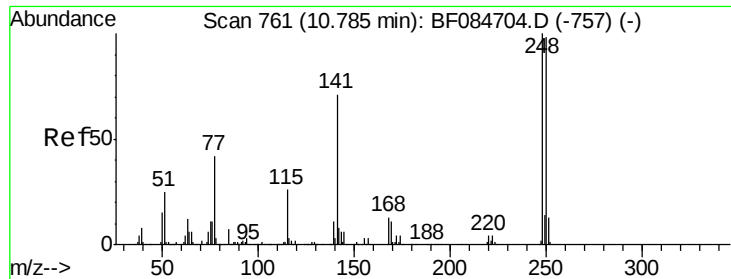


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

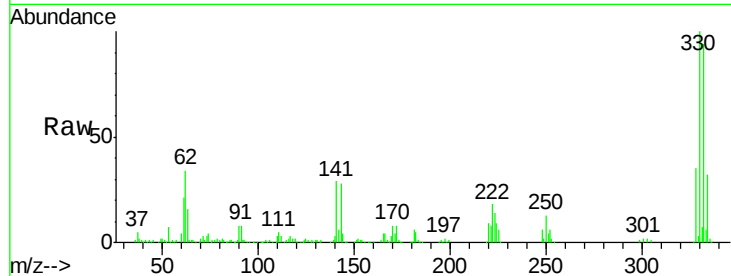




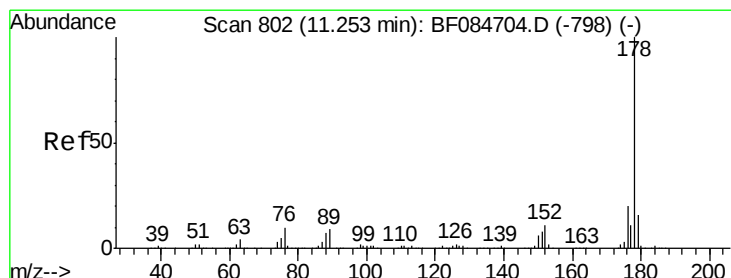
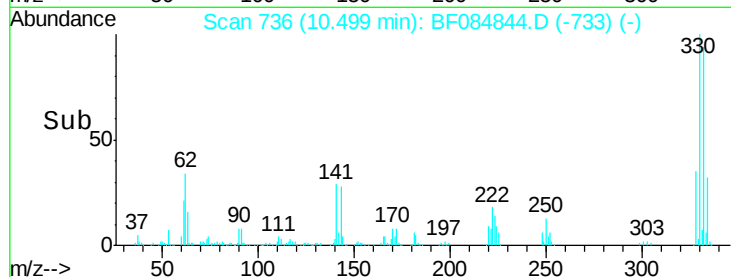
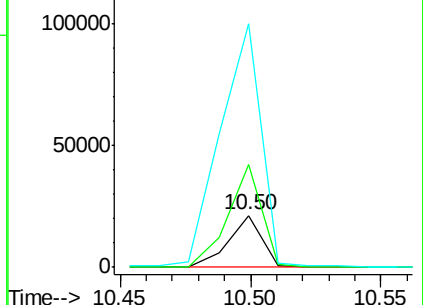
#66
 4-Bromophenyl-phenylether
 Concen: 4.25 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.26 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)

Tgt Ion:248 Resp: 19217
 Ion Ratio Lower Upper
 248 100
 250 198.5 78.4 117.6#
 141 467.5 44.0 66.0#

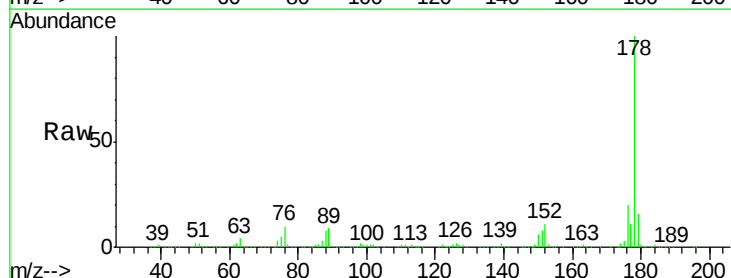


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

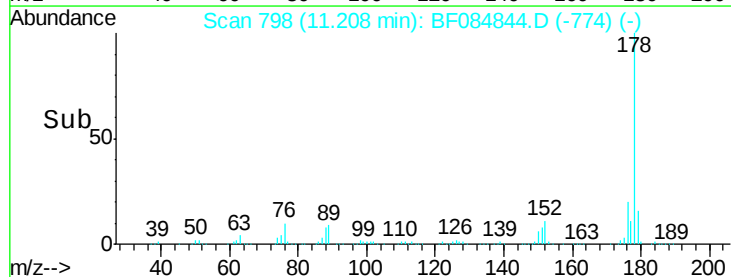
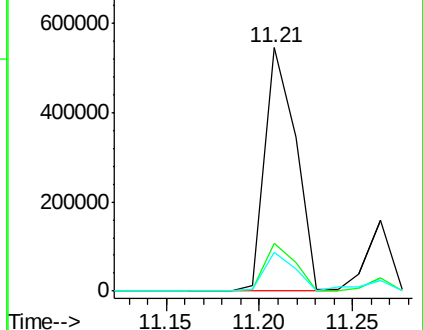


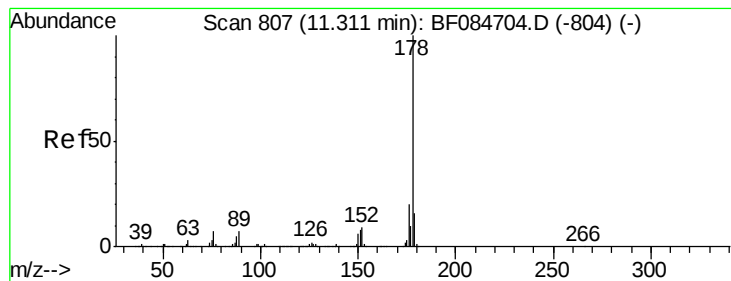
#70
 Phenanthrene
 Concen: 27.49 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Tgt Ion:178 Resp: 624531
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.3 22.9
 179 15.9 12.0 18.0



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: 6.33 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

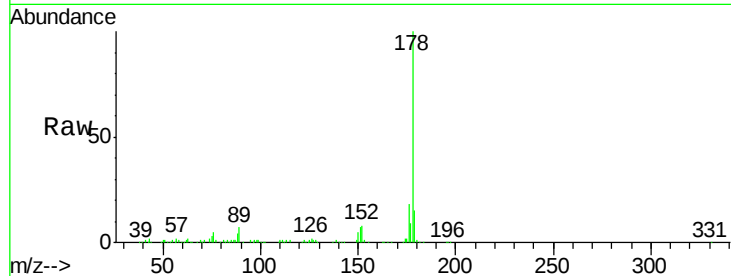
Tgt Ion:178 Resp: 144940

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

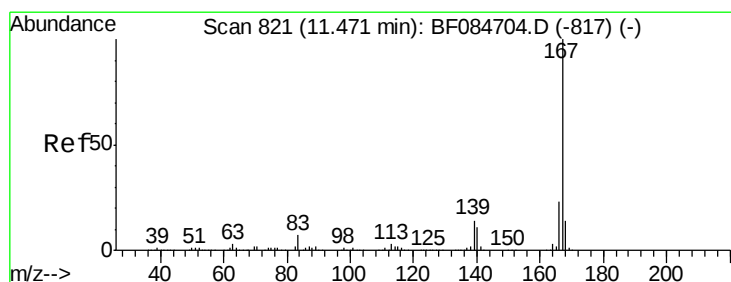
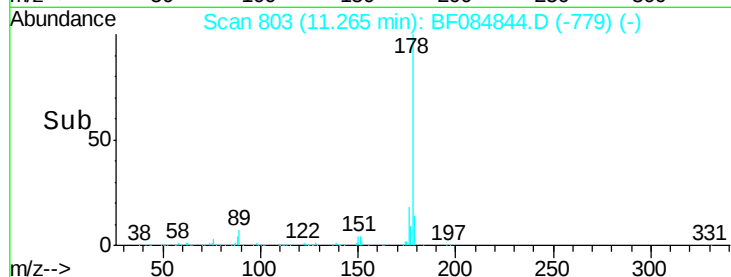
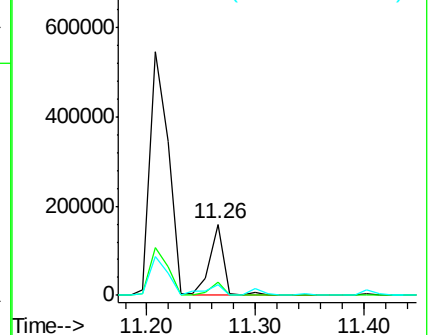
179 14.5 12.5 18.7



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: 2.29 ng

RT: 11.43 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

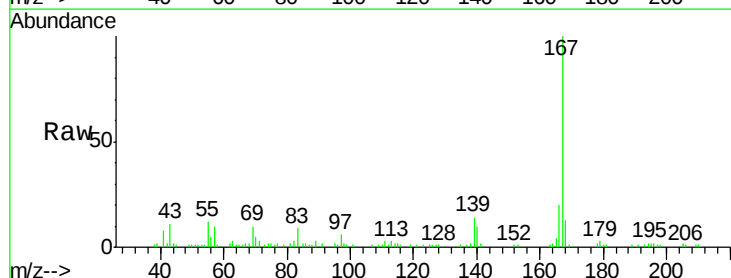
Tgt Ion:167 Resp: 45713

Ion Ratio Lower Upper

167 100

166 20.4 17.6 26.4

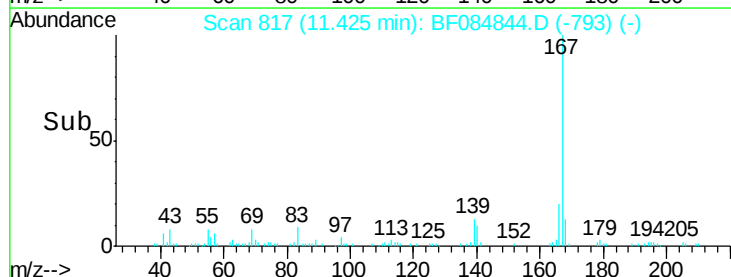
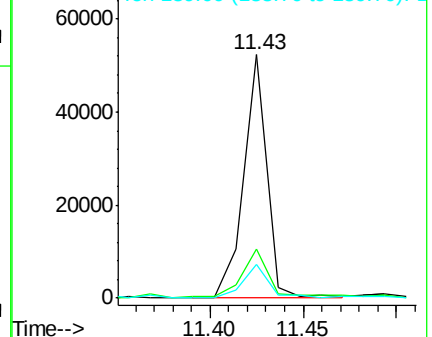
139 13.6 11.8 17.8

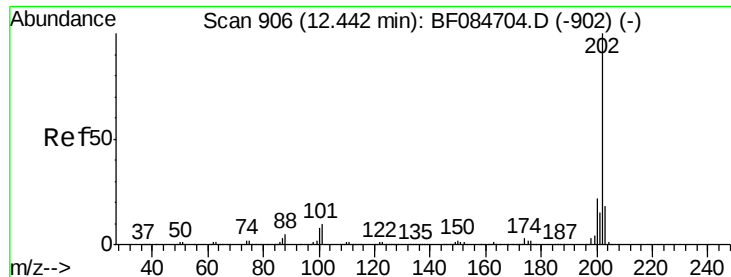


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 32.52 ng

RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

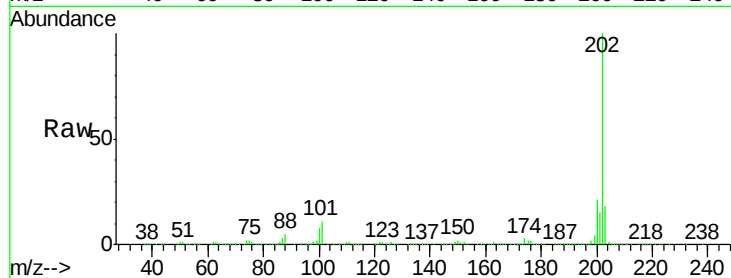
Tgt Ion:202 Resp: 747884

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.8

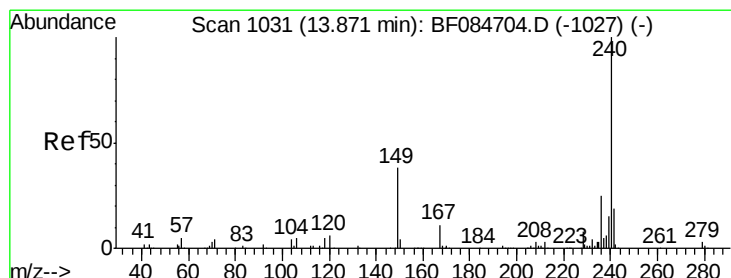
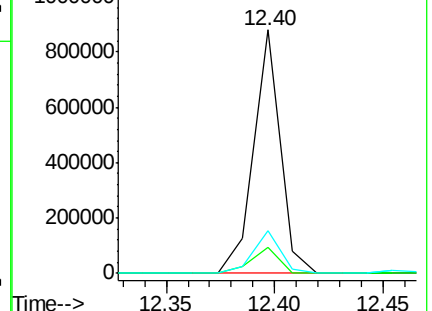
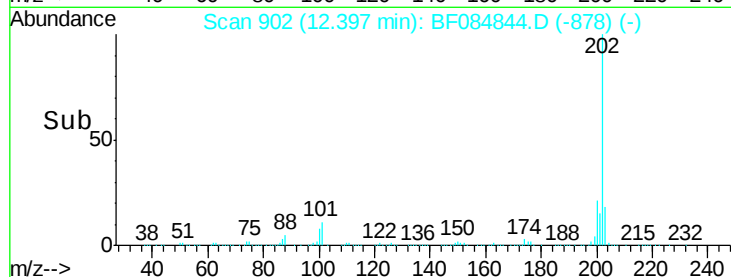
203 17.6 0.0 37.9



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# 1027

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

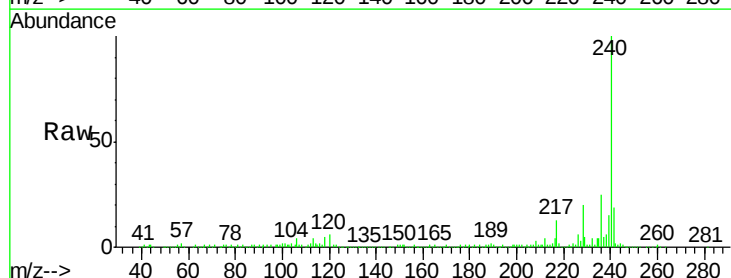
Tgt Ion:240 Resp: 298644

Ion Ratio Lower Upper

240 100

120 5.7 9.5 14.3#

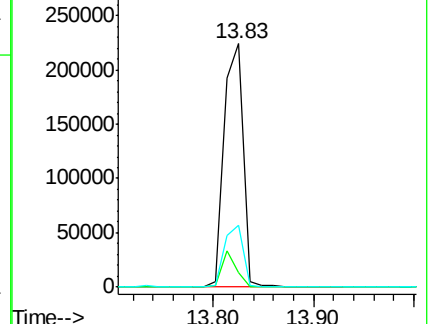
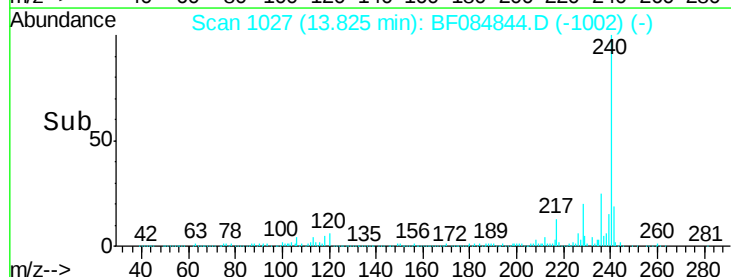
236 25.3 20.6 31.0

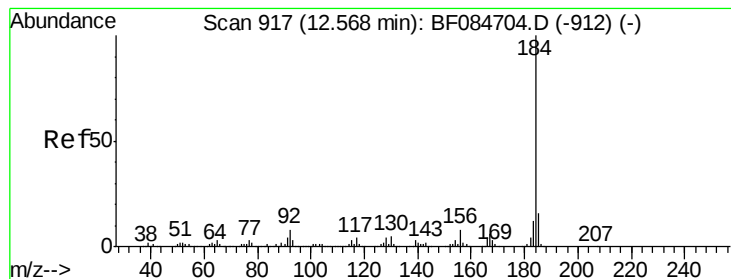


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.64 ng

RT: 12.77 min Scan# 935

Delta R.T. 0.23 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

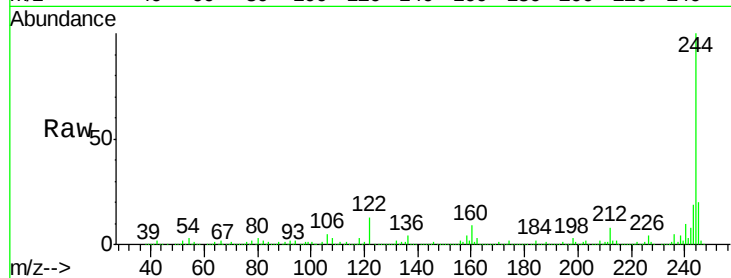
Tgt Ion:184 Resp: 11861

Ion Ratio Lower Upper

184 100

185 17.9 12.2 18.2

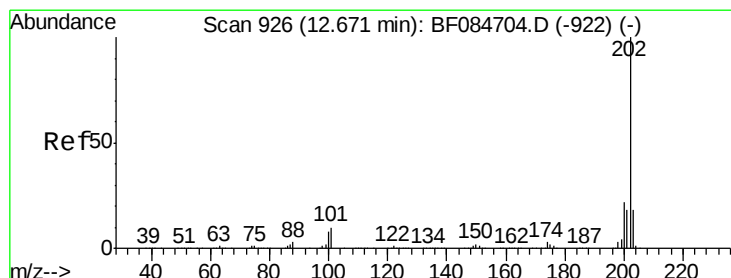
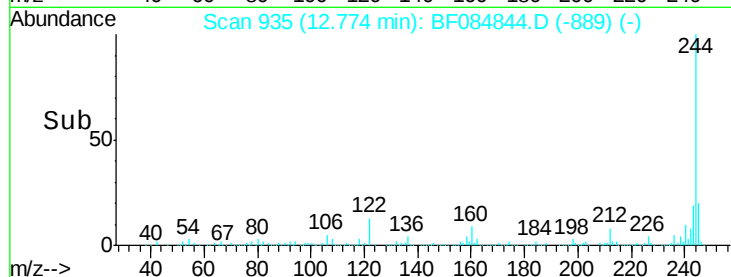
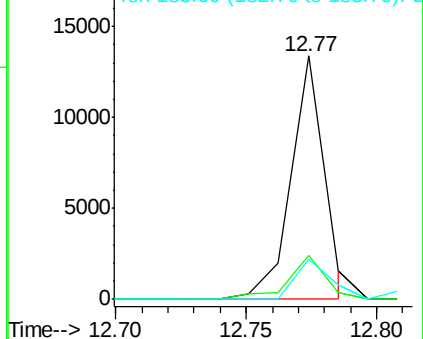
183 16.2 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 30.32 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

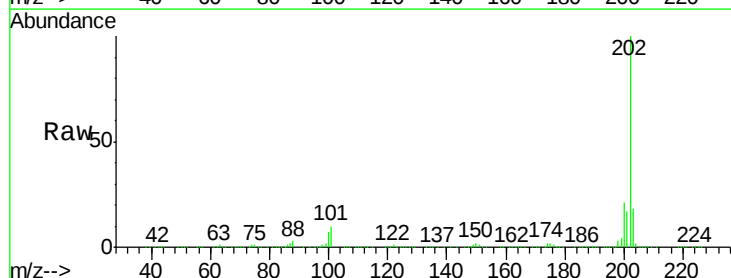
Tgt Ion:202 Resp: 693274

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

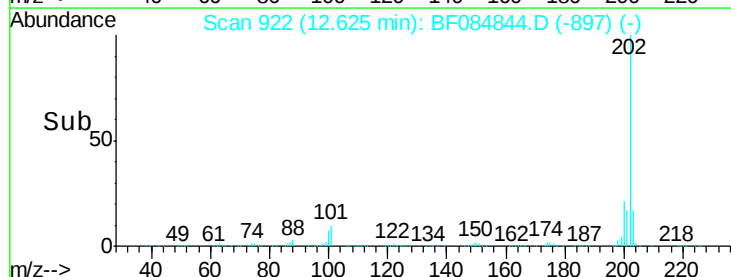
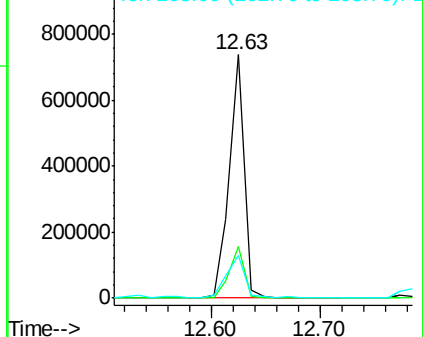
203 17.5 14.3 21.5

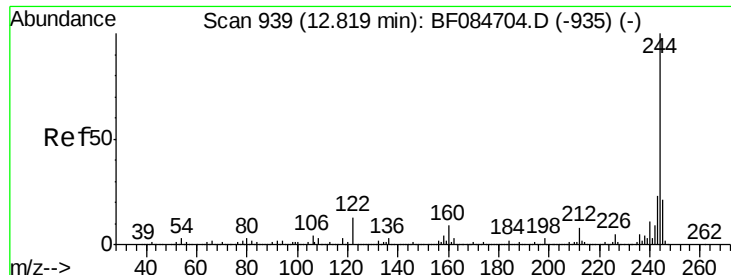


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.90 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

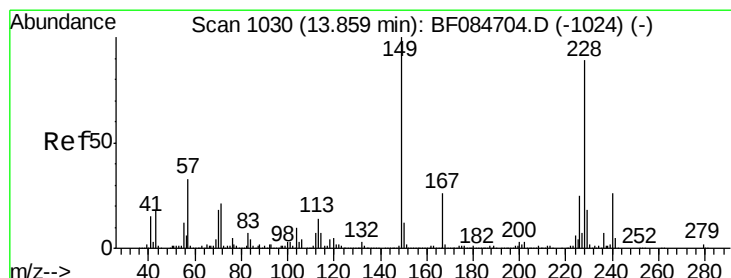
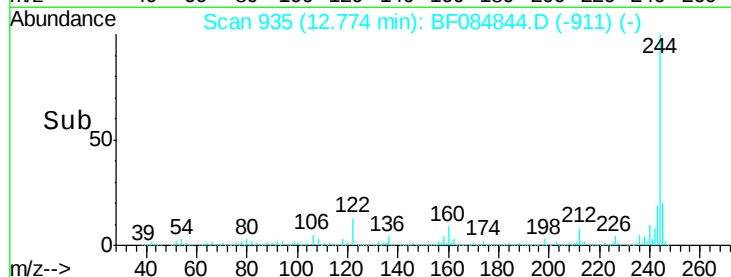
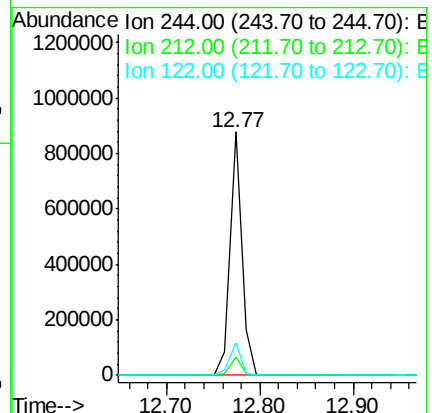
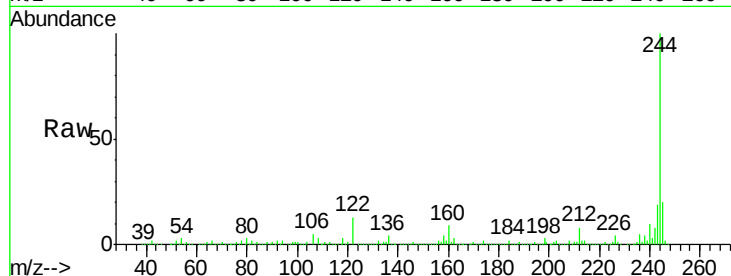
Tgt Ion:244 Resp: 776202

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 13.4 7.4 11.0#



#80

Benzo(a)anthracene

Concen: 28.11 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

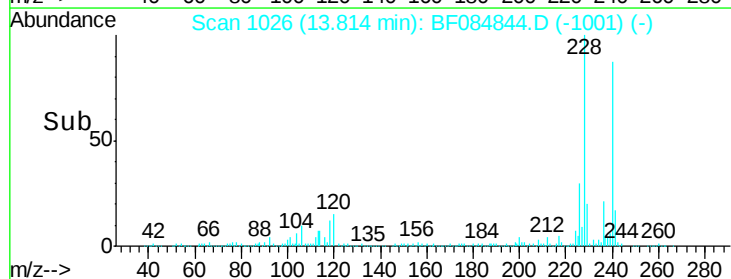
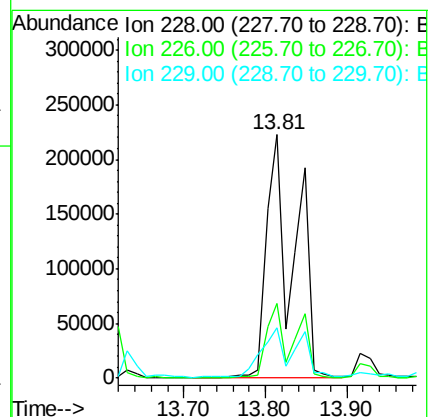
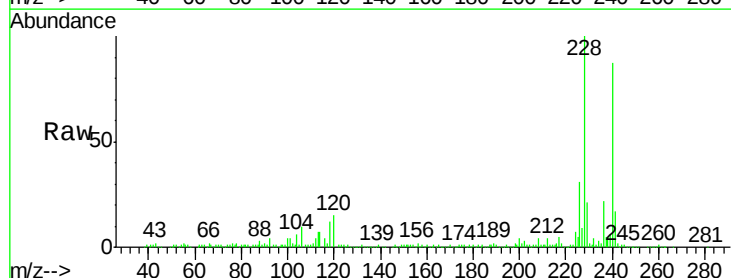
Tgt Ion:228 Resp: 521021

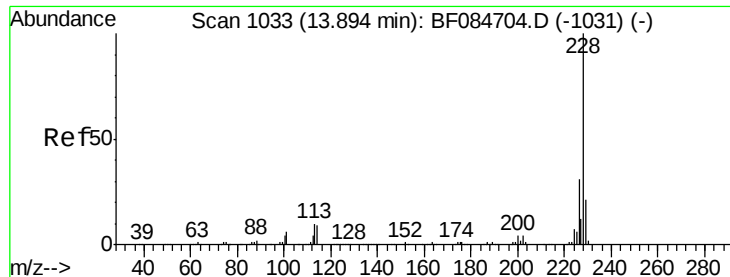
Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.6

229 20.7 15.8 23.8





#82

Chrysene

Concen: 28.99 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

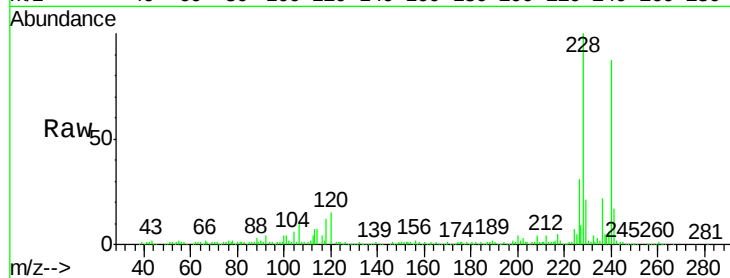
Tgt Ion:228 Resp: 521021

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

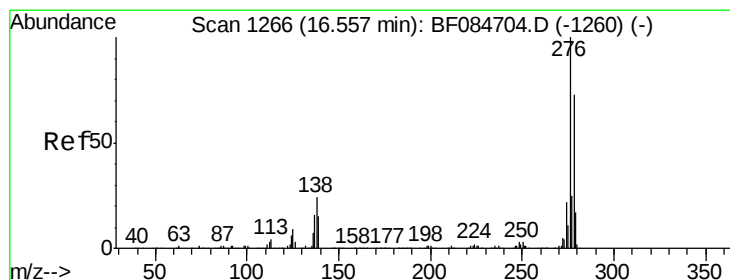
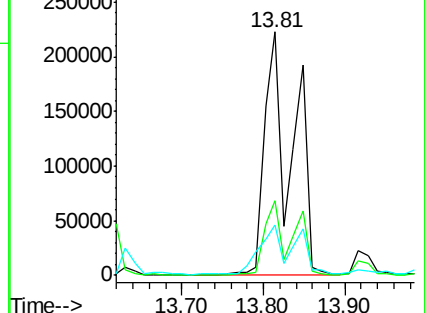
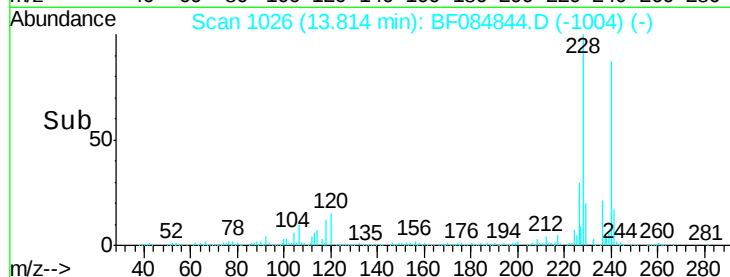
229 20.7 16.1 24.1



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.40 ng

RT: 16.34 min Scan# 1247

Delta R.T. -0.16 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

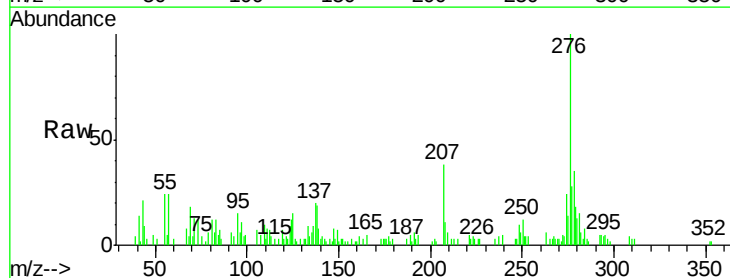
Tgt Ion:276 Resp: 34009

Ion Ratio Lower Upper

276 100

138 23.4 20.6 30.8

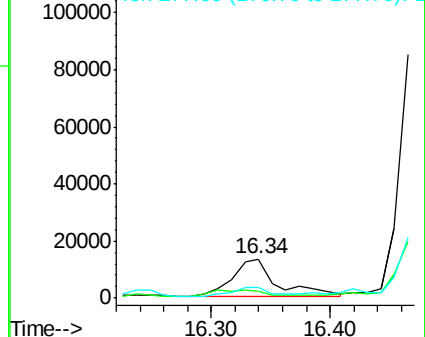
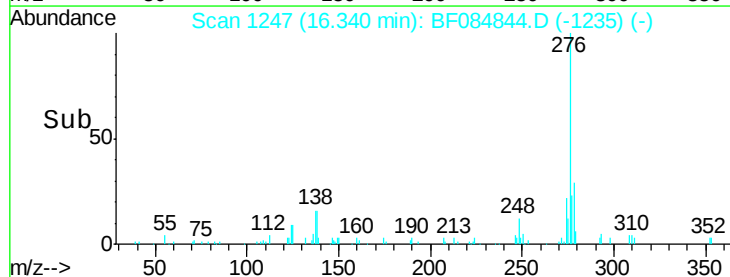
277 23.1 20.1 30.1

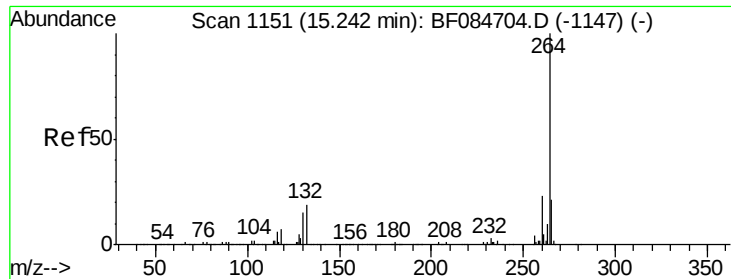


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

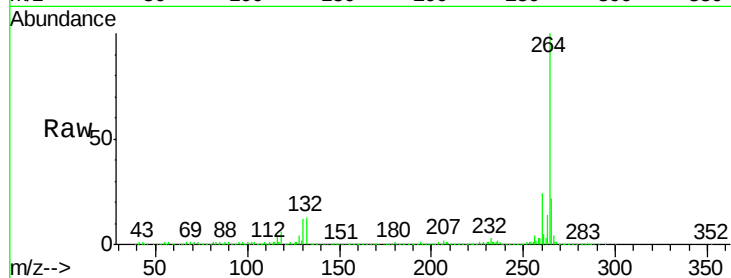




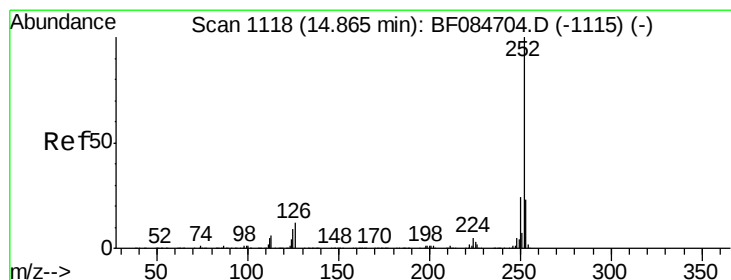
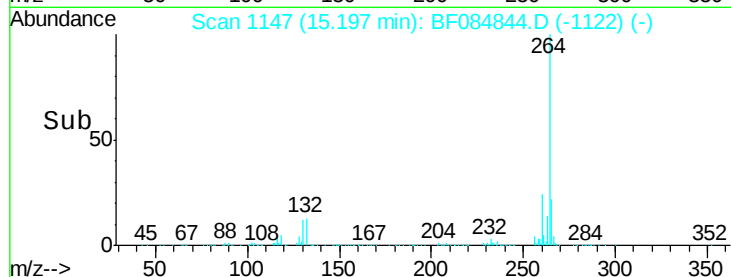
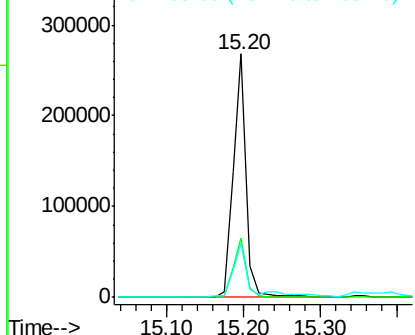
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tgt Ion:264 Resp: 320134
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.4 17.8 26.6

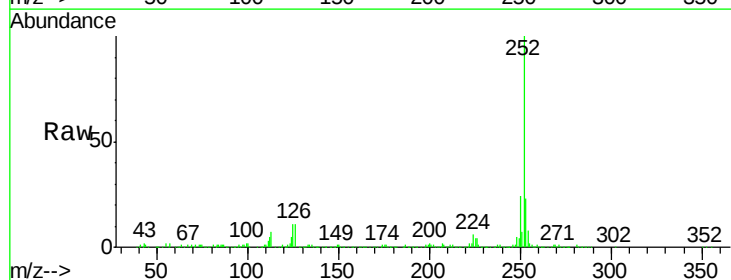


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

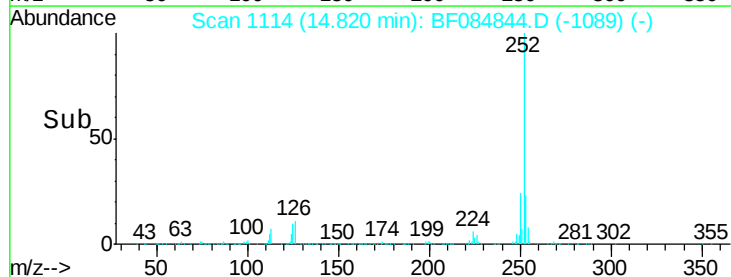
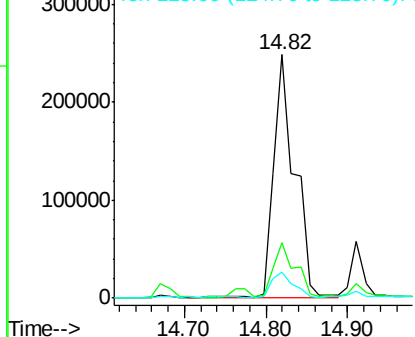


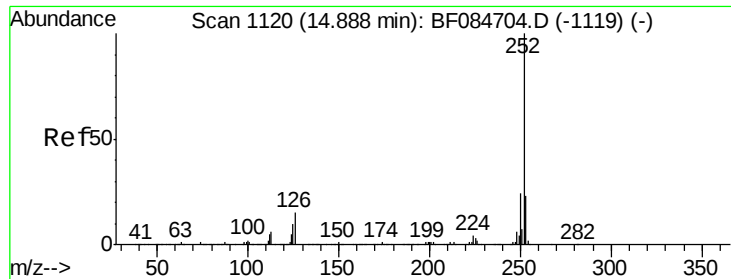
#87
Benzo(b)fluoranthene
Concen: 20.91 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion:252 Resp: 449820
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 10.7 6.5 9.7#



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

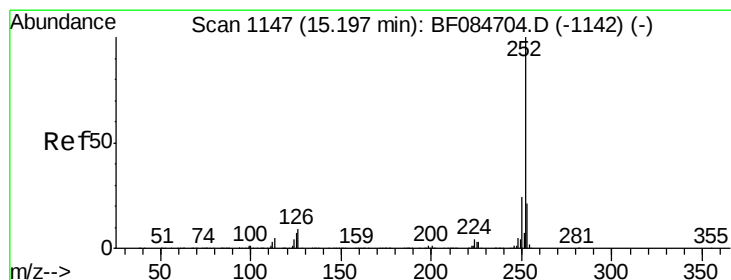
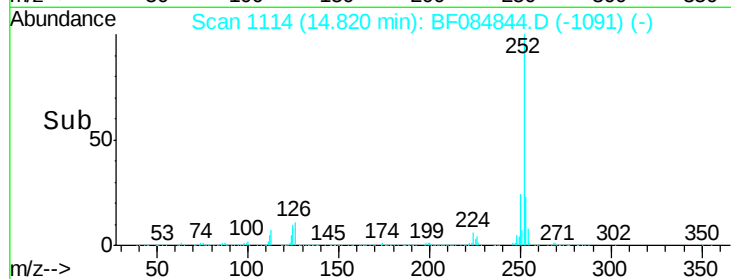
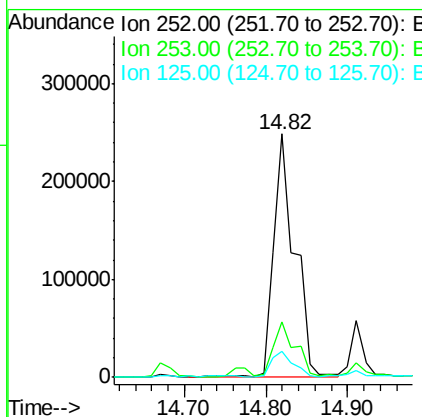
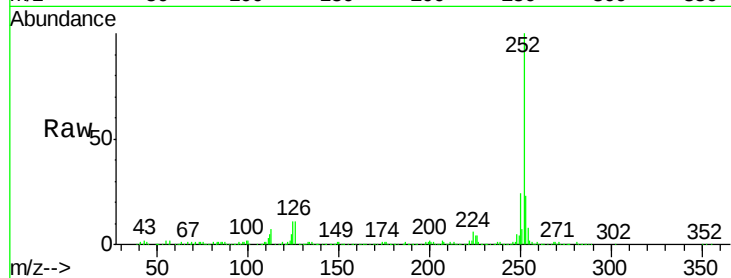




#88
Benzo(k)fluoranthene
Concen: 25.29 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.03 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

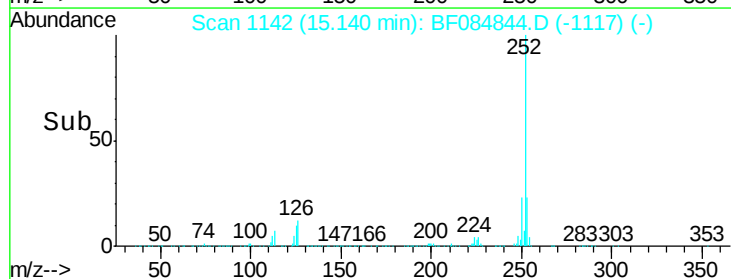
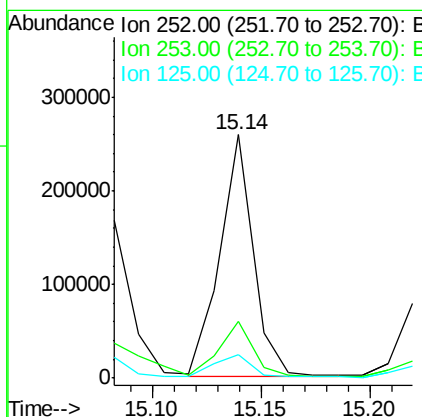
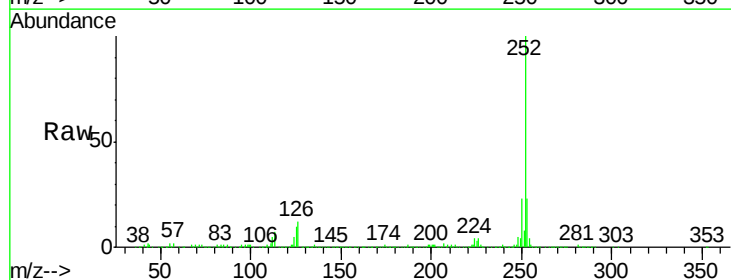
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

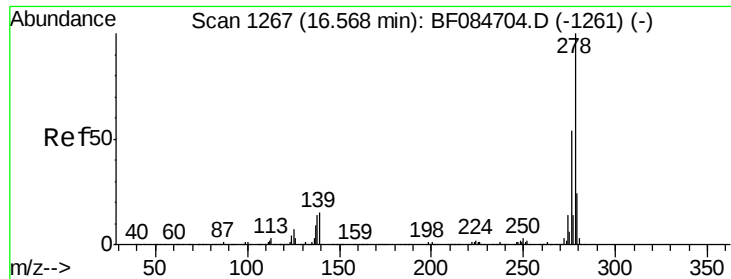
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.7	9.0	13.6



#89
Benzo(a)pyrene
Concen: 15.11 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	9.7	7.0	10.4

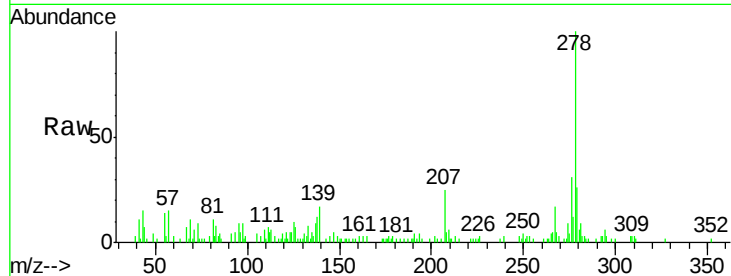




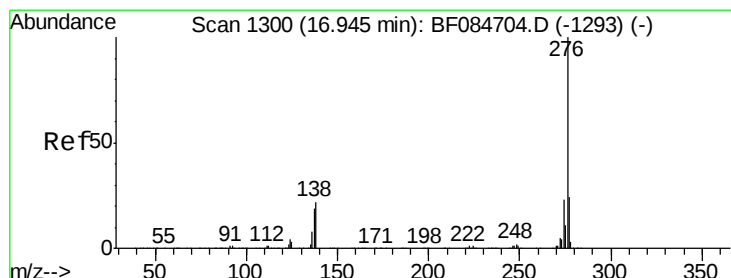
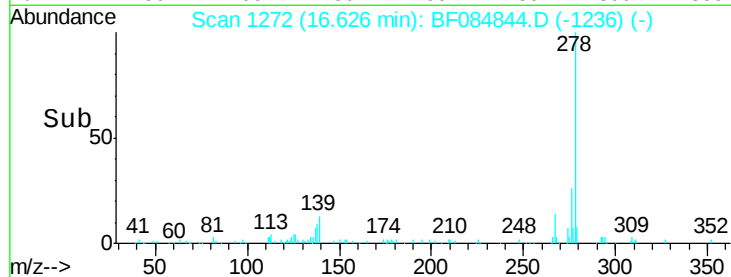
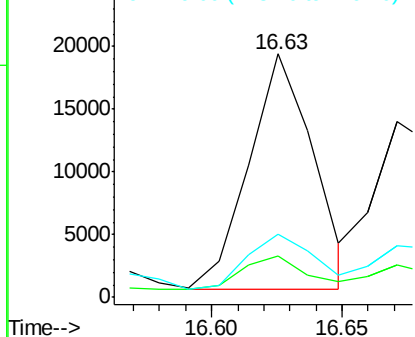
#90
Dibenzo(a,h)anthracene
Concen: 2.11 ng
RT: 16.63 min Scan# 1272
Delta R.T. 0.11 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tgt Ion:278 Resp: 32586
Ion Ratio Lower Upper
278 100
139 17.1 15.0 22.4
279 25.8 18.9 28.3

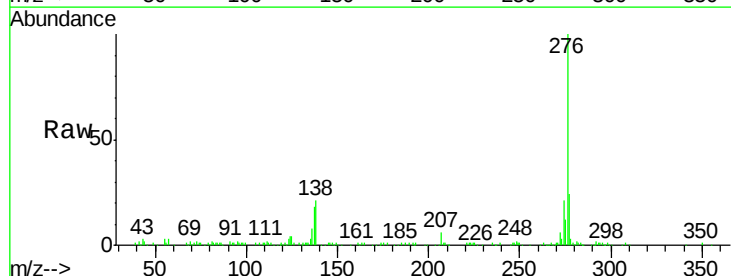


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 11.03 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.03 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion:276 Resp: 171372
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 21.1 17.8 26.6



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

