

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084936.D
 Acq On : 8 Feb 2016 18:47
 Operator : SJ/IZ
 Sample : H1311-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

Quant Time: Feb 09 02:37:00 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	6.65	152	177878	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	727406	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	322636	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	517513	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	362291	20.00	ng	-0.05
86) Perylene-d12	15.16	264	329264	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	1036215	90.74	ng	-0.03
7) Phenol-d6	6.30	99	1276048	90.13	ng	-0.03
23) Nitrobenzene-d5	7.22	82	826367	64.00	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	318329	94.59	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1072639	48.69	ng	-0.05
78) Terphenyl-d14	12.75	244	794847	49.72	ng	-0.05

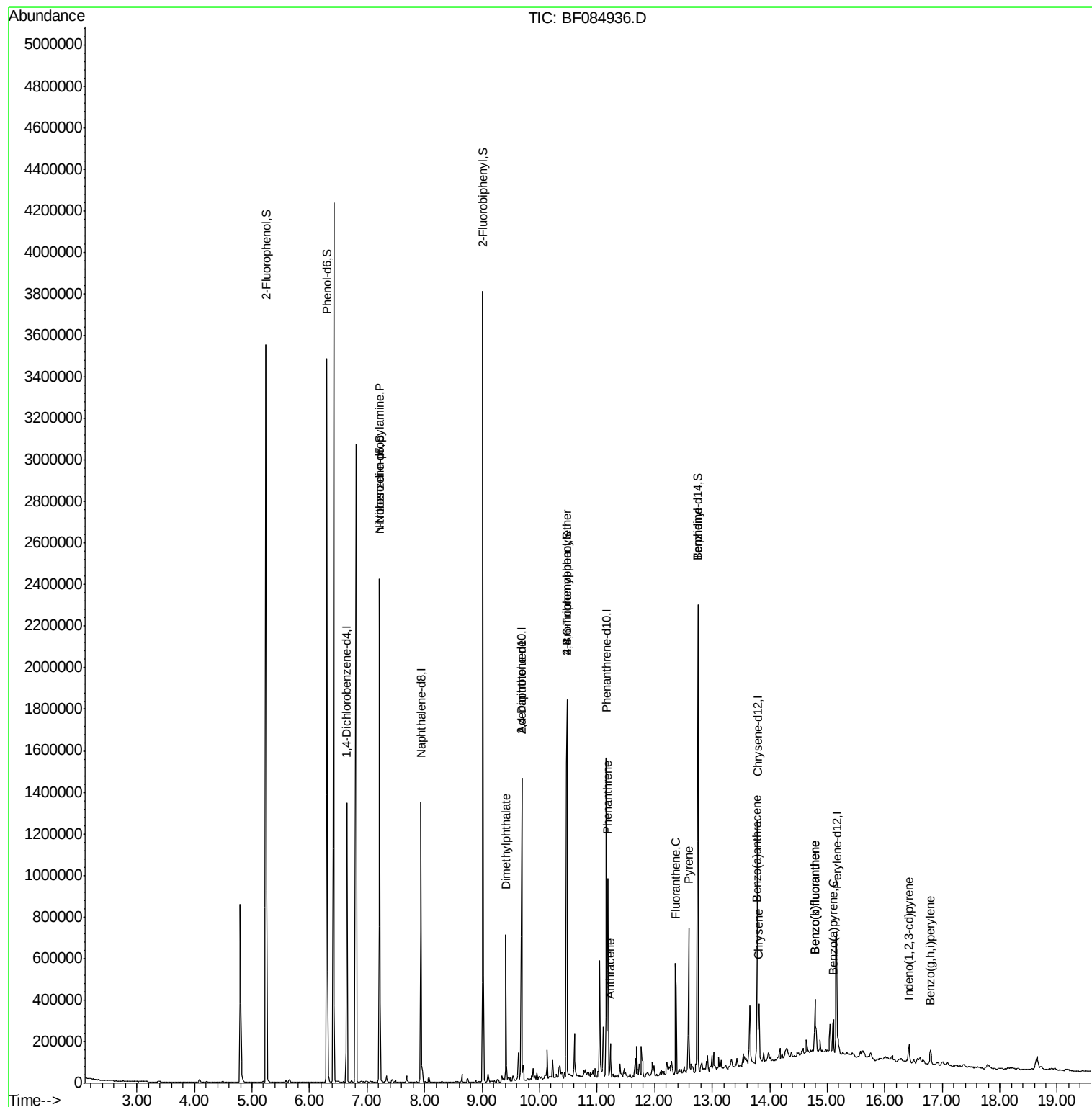
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	113604	12.80	ng	# 70
49) Dimethylphthalate	9.41	163	247207	10.06	ng	# 90
56) 2,4-Dinitrotoluene	9.69	165	41264	6.03	ng	# 21
66) 4-Bromophenyl-phenylether	10.48	248	19371	3.39	ng	# 1
70) Phenanthrene	11.18	178	335626	11.69	ng	100
71) Anthracene	11.23	178	76150	2.63	ng	98
74) Fluoranthene	12.36	202	295590	10.17	ng	97
76) Benzidine	12.75	184	11480	7.49	ng	# 86
77) Pyrene	12.59	202	283179	10.21	ng	98
80) Benzo(a)anthracene	13.78	228	135465	6.02	ng	100
82) Chrysene	13.81	228	88029	4.04	ng	97
85) Indeno(1,2,3-cd)pyrene	16.42	276	51551	3.00	ng	96
87) Benzo(b)fluoranthene	14.79	252	160395	7.25	ng	# 95
88) Benzo(k)fluoranthene	14.79	252	160395	8.77	ng	99
89) Benzo(a)pyrene	15.11	252	91865	4.87	ng	96
91) Benzo(g,h,i)perylene	16.80	276	56208	3.52	ng	97

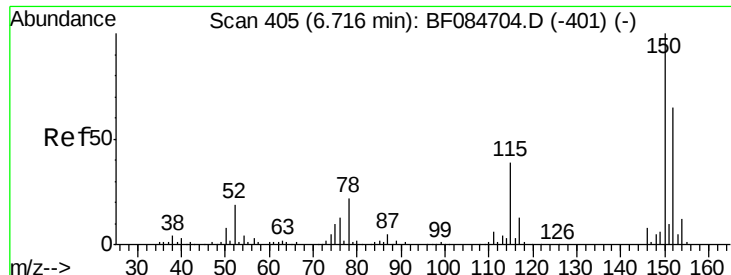
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

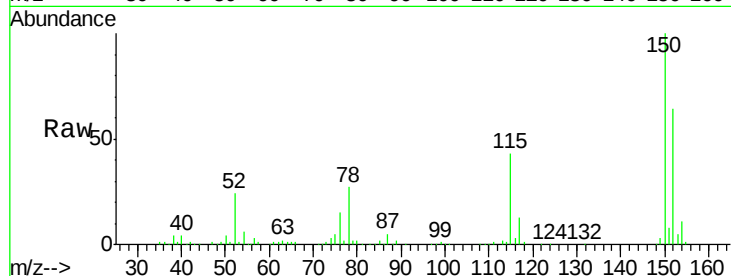
Tgt Ion:152 Resp: 177878

Ion Ratio Lower Upper

152 100

150 156.6 123.0 184.4

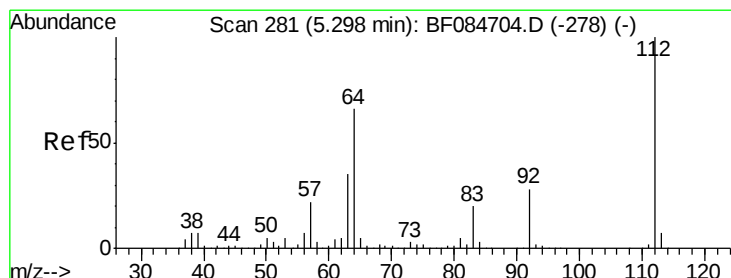
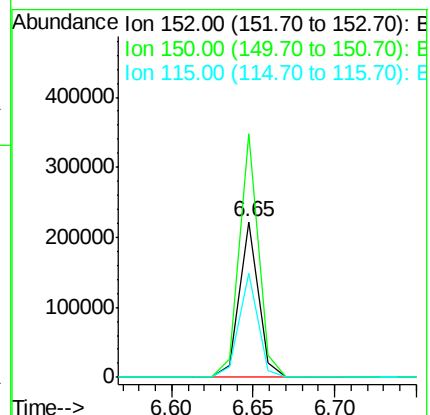
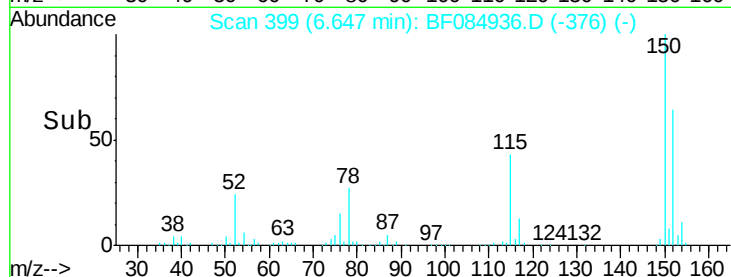
115 67.0 51.4 77.2



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: 90.74 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

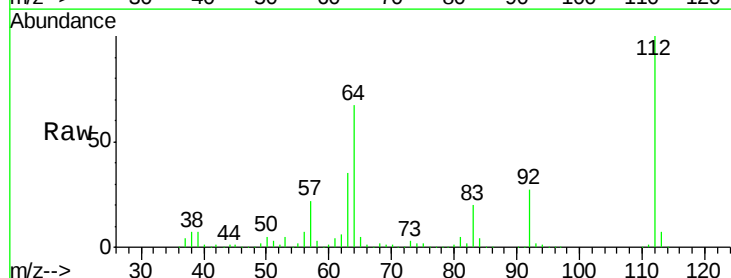
Tgt Ion:112 Resp: 1036215

Ion Ratio Lower Upper

112 100

64 66.6 36.6 55.0#

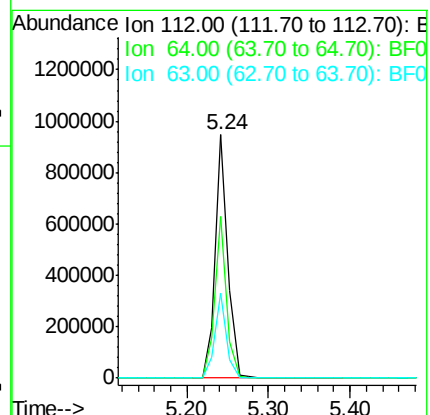
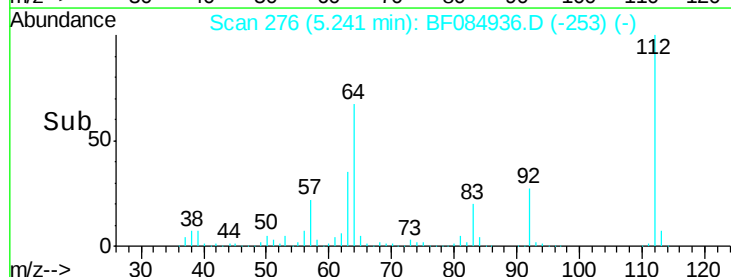
63 34.8 19.4 29.0#

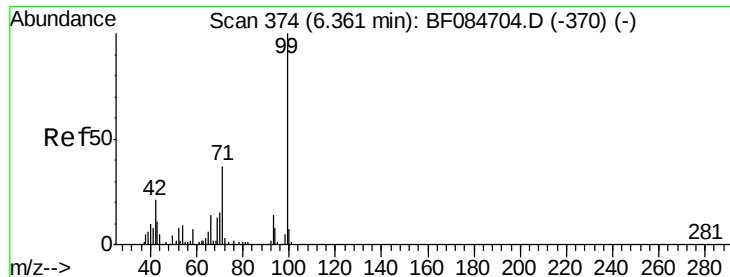


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.13 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

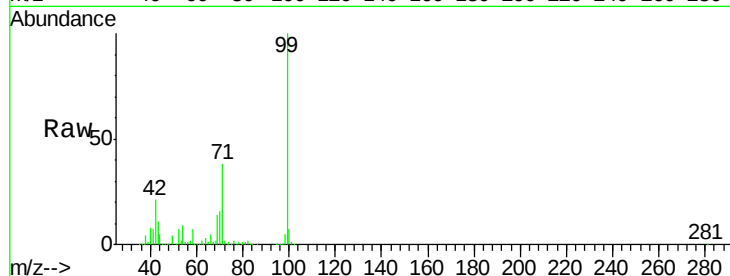
BNA_F

ClientSampleId :

SUP-B006(0-2)

Tgt Ion: 99 Resp: 1276048

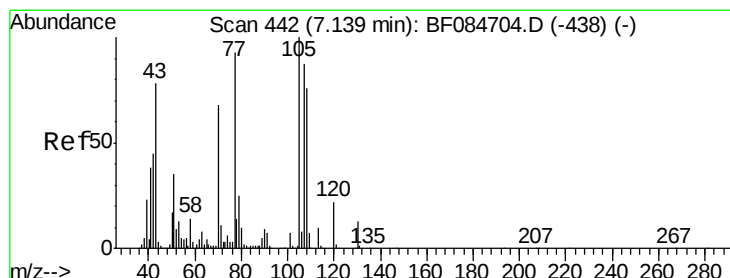
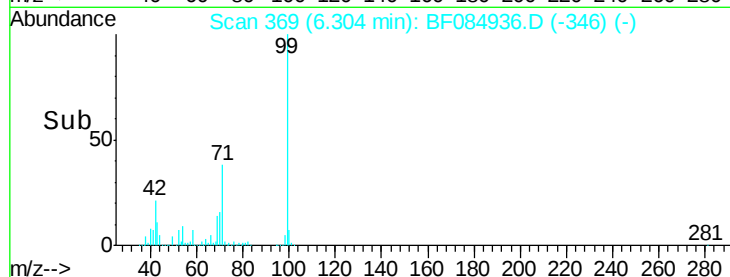
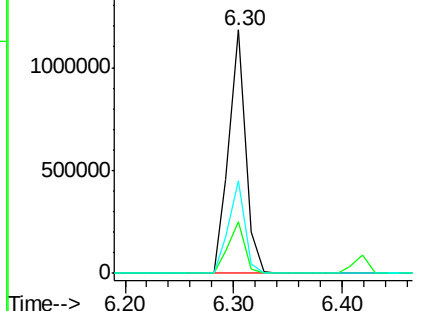
Ion	Ratio	Lower	Upper
99	100		
42	21.3	12.8	19.2#
71	38.0	30.9	46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.80 ng

RT: 7.22 min Scan# 449

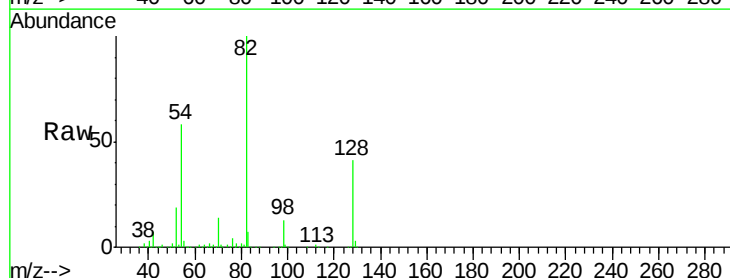
Delta R.T. 0.10 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Tgt Ion: 70 Resp: 113604

Ion	Ratio	Lower	Upper
70	100		
42	51.5	33.3	49.9#
101	0.0	9.3	13.9#
130	2.1	23.4	35.0#

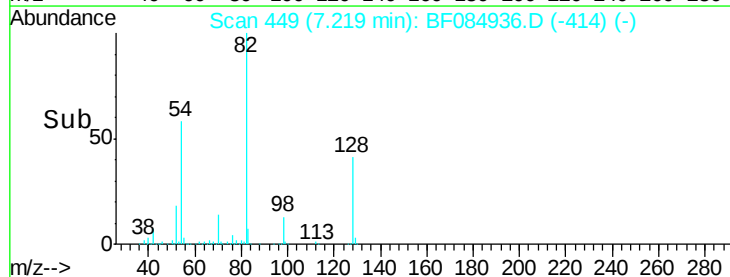
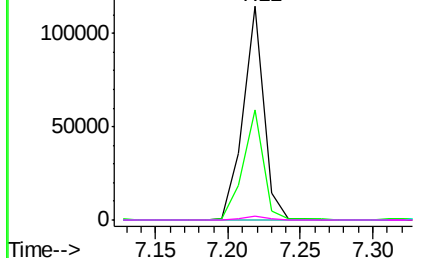


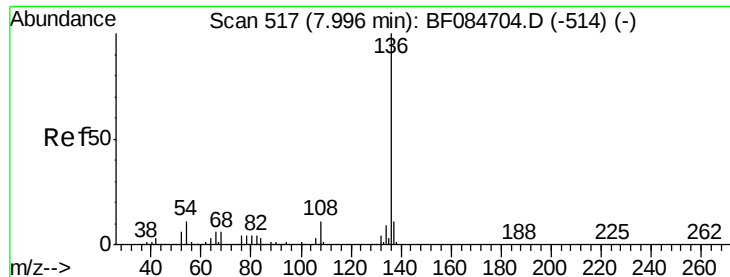
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

Tgt Ion: 136 Resp: 727406

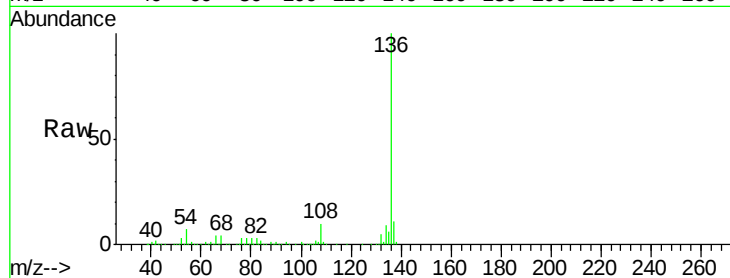
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.5 5.8 8.8

68 3.8 4.2 6.2#

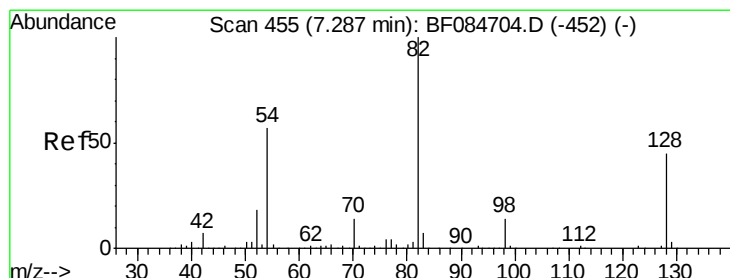
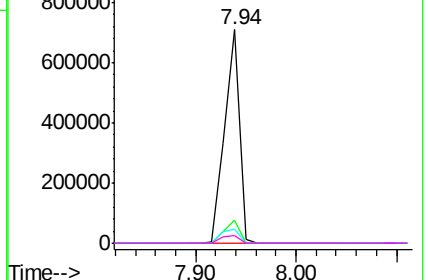
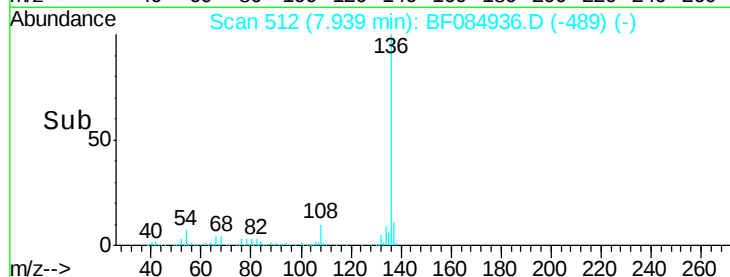


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.00 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

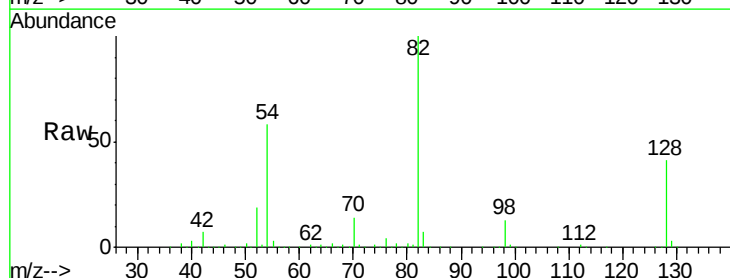
Tgt Ion: 82 Resp: 826367

Ion Ratio Lower Upper

82 100

128 41.1 34.6 51.8

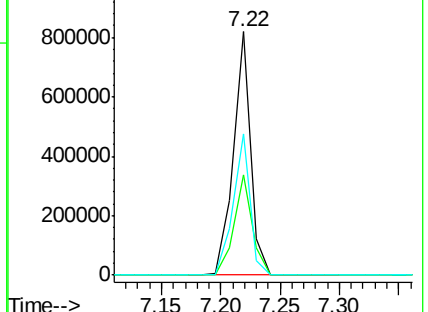
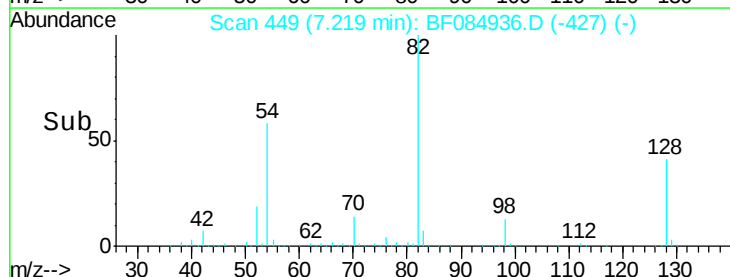
54 58.0 38.4 57.6#

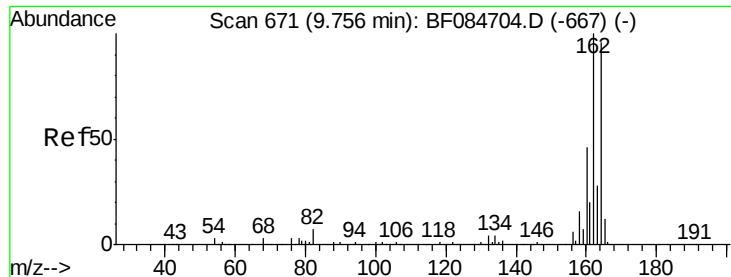


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

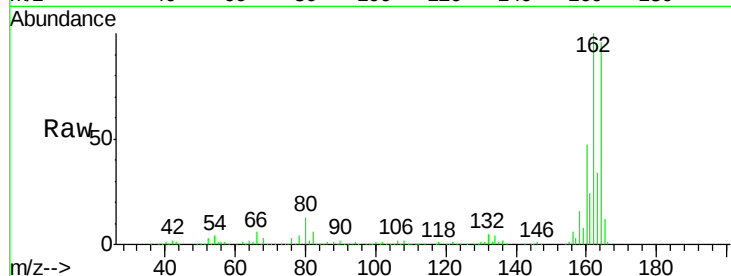
Tgt Ion:164 Resp: 322636

Ion Ratio Lower Upper

164 100

162 104.3 85.1 127.7

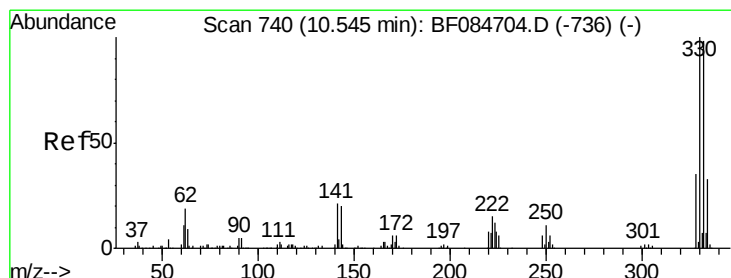
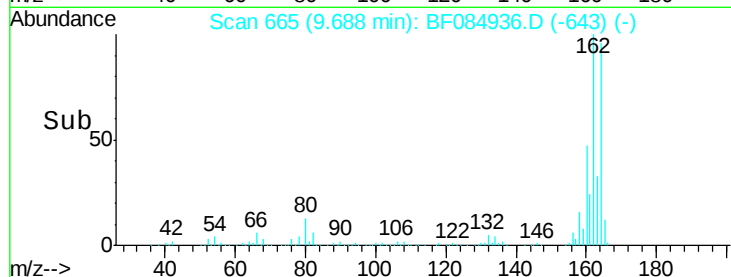
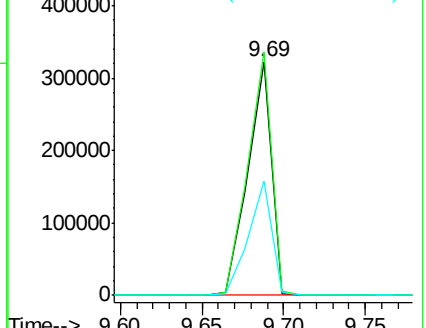
160 49.2 37.5 56.3



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: 94.59 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

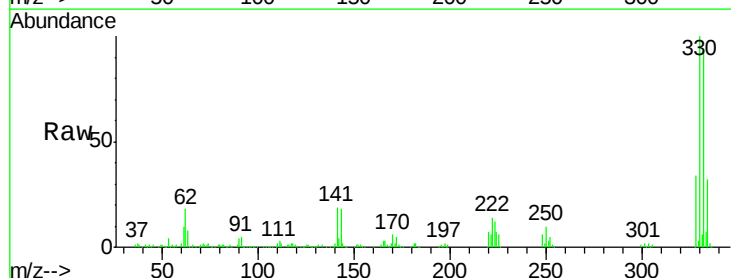
Tgt Ion:330 Resp: 318329

Ion Ratio Lower Upper

330 100

332 93.3 76.6 114.8

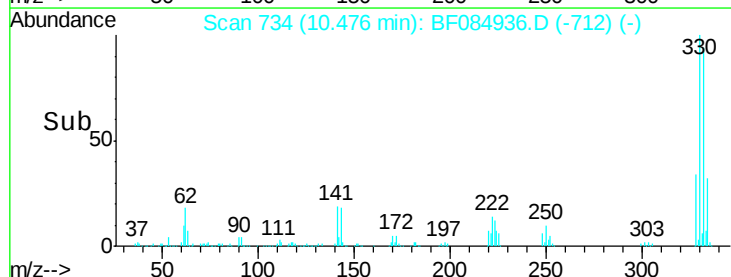
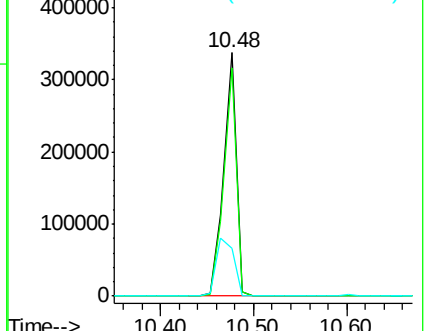
141 33.5 27.8 41.6

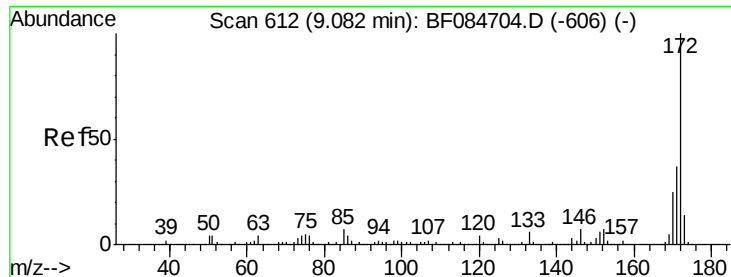


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 48.69 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

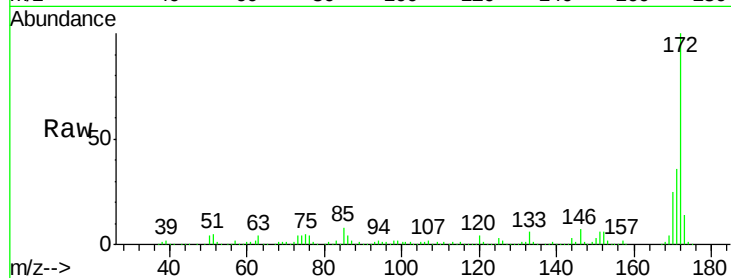
Tgt Ion:172 Resp: 1072639

Ion Ratio Lower Upper

172 100

171 35.8 28.9 43.3

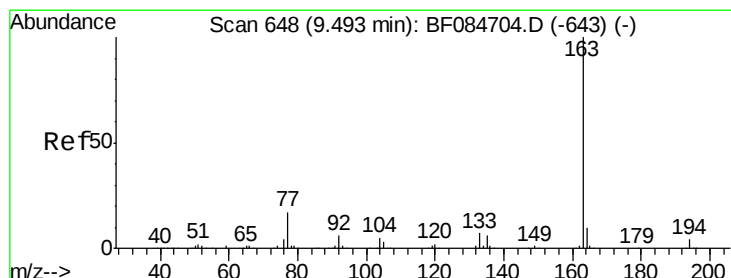
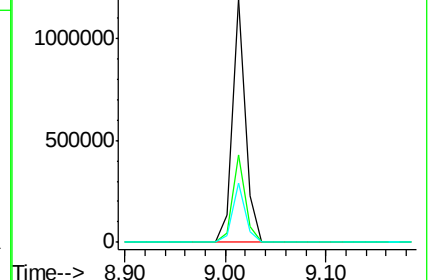
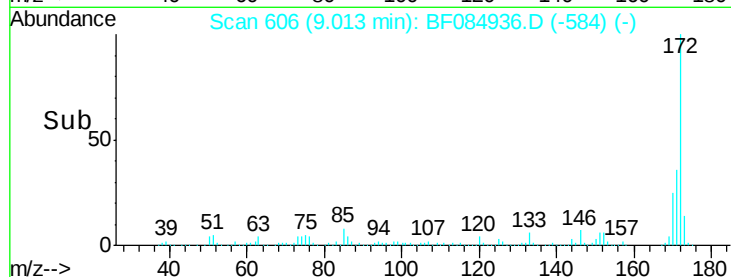
170 24.5 18.6 27.8



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: 10.06 ng

RT: 9.41 min Scan# 641

Delta R.T. -0.06 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

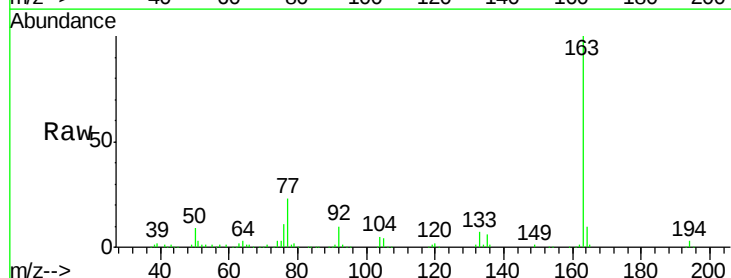
Tgt Ion:163 Resp: 247207

Ion Ratio Lower Upper

163 100

194 2.8 8.0 12.0#

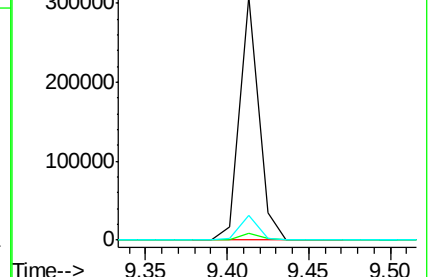
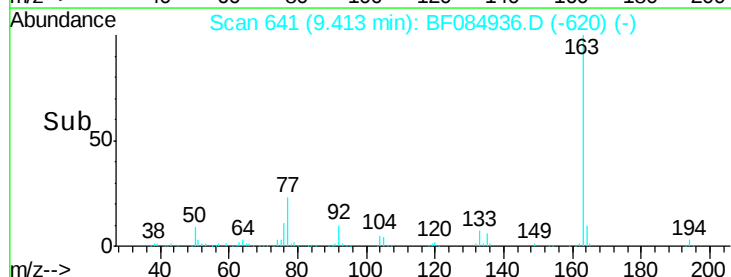
164 10.1 8.0 12.0

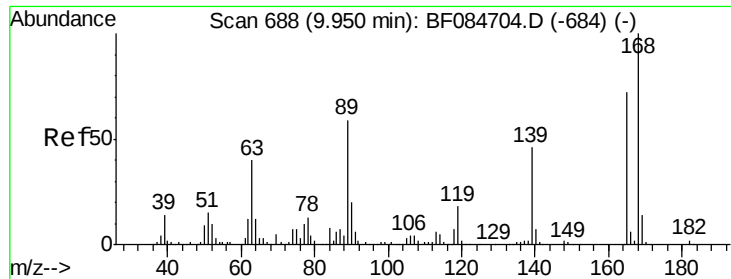


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

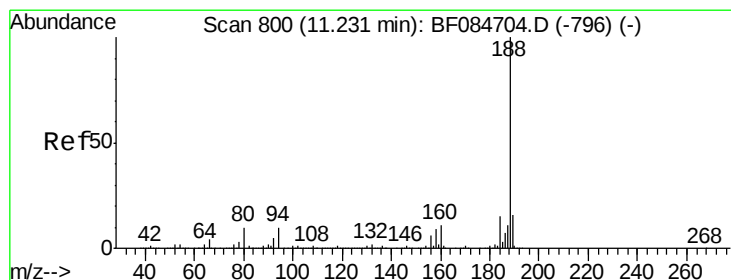
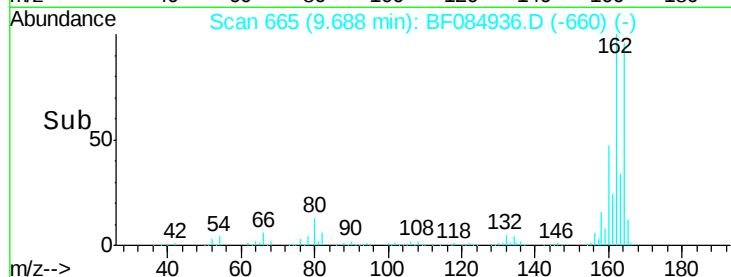
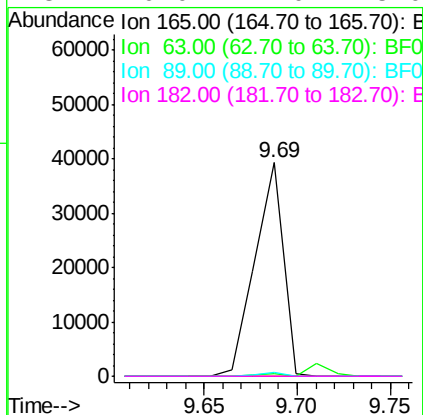
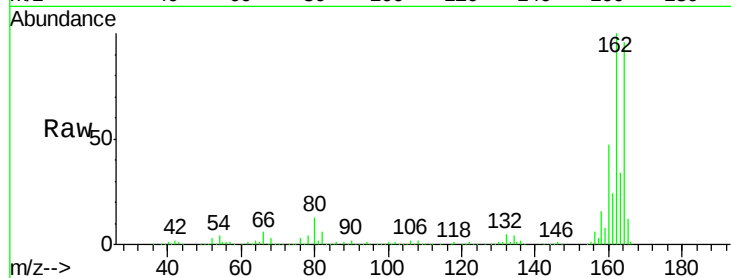




#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.24 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

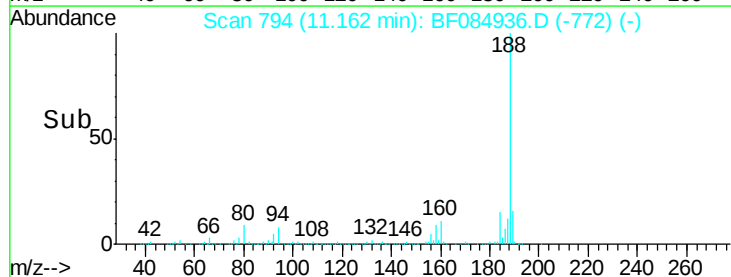
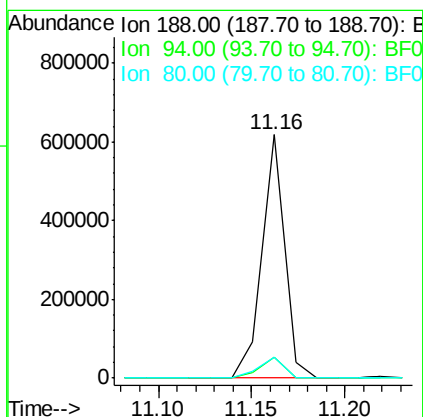
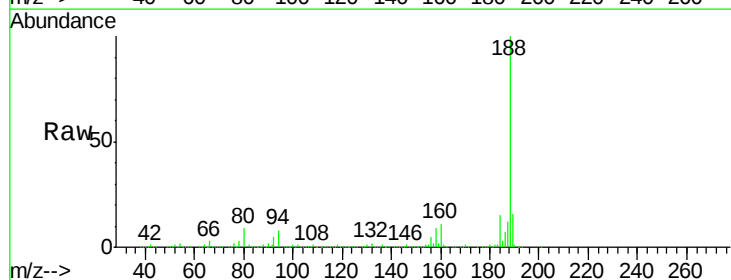
Instrument :
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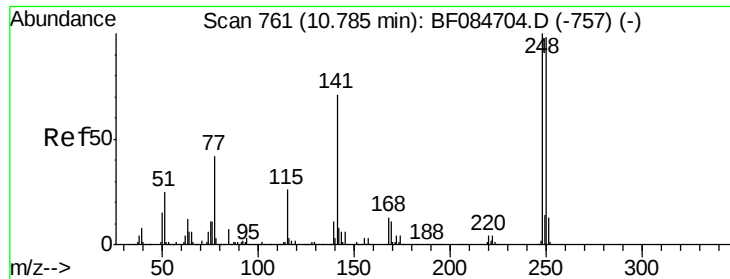
Tgt Ion:165 Resp: 41264
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.7 55.1#
 89 1.8 61.9 92.9#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 794
 Delta R.T. -0.05 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Tgt Ion:188 Resp: 517513
 Ion Ratio Lower Upper
 188 100
 94 8.4 9.0 13.4#
 80 8.8 9.6 14.4#

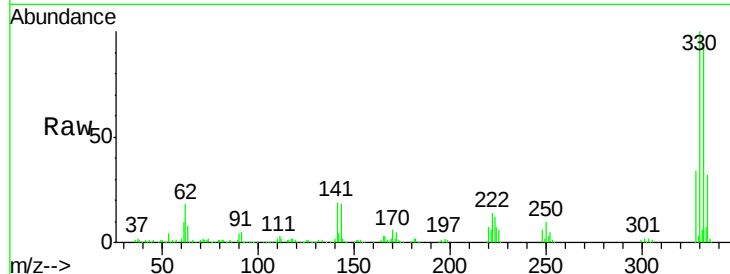




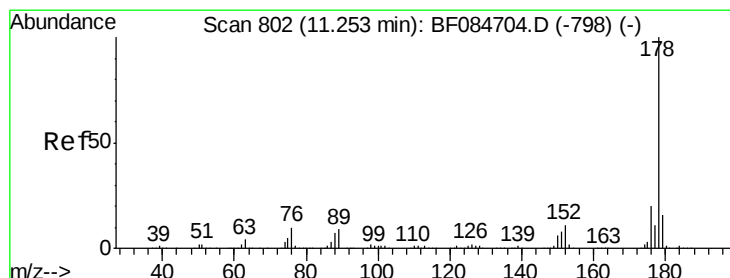
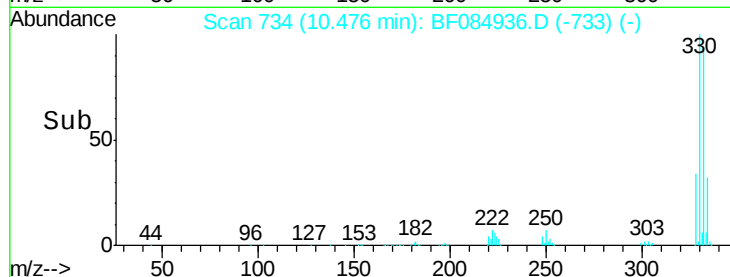
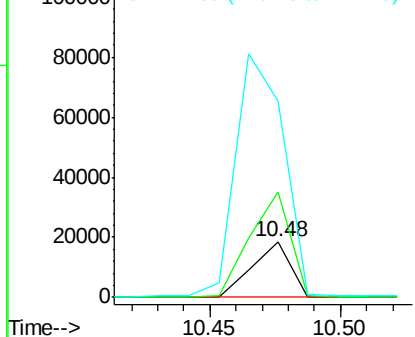
#66
 4-Bromophenyl-phenylether
 Concen: 3.39 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.29 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

Tgt Ion:248 Resp: 19371
 Ion Ratio Lower Upper
 248 100
 250 189.3 78.4 117.6#
 141 351.4 44.0 66.0#

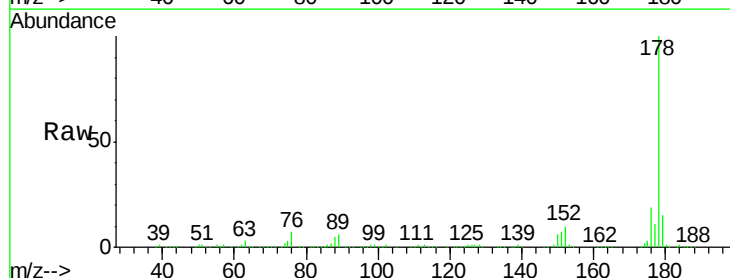


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

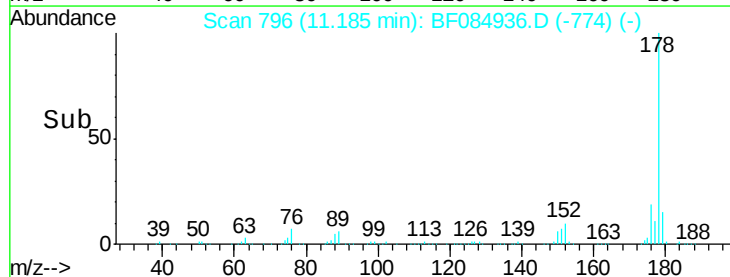
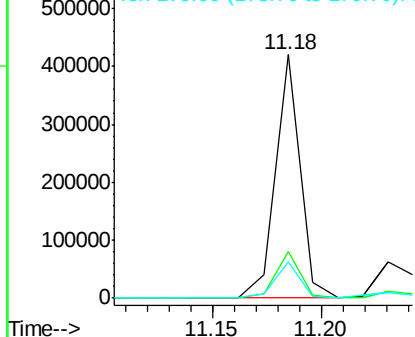


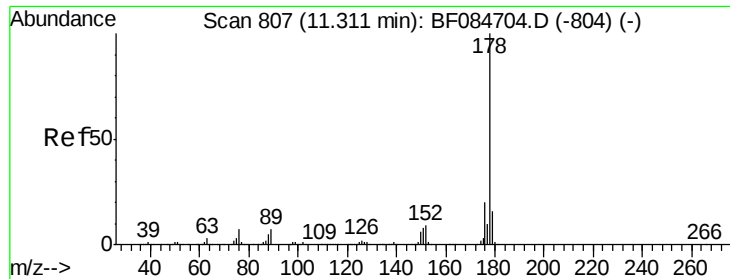
#70
 Phenanthrene
 Concen: 11.69 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.05 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Tgt Ion:178 Resp: 335626
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 15.0 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

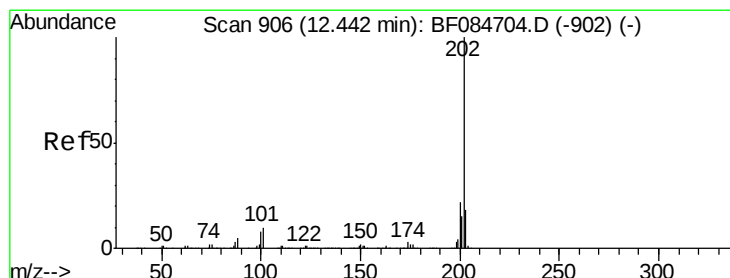
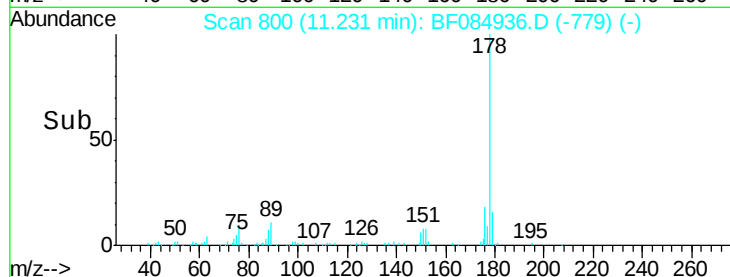
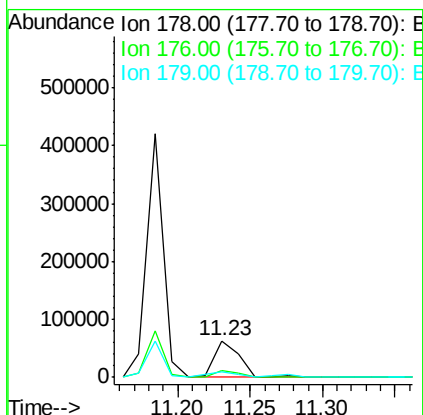
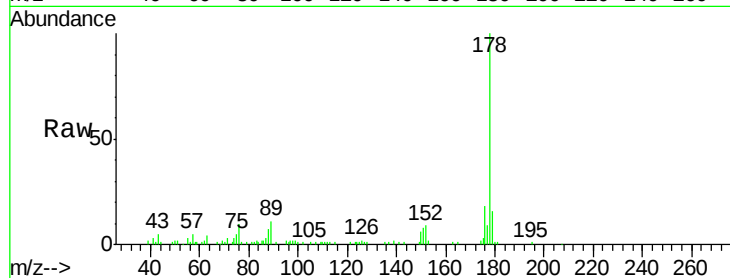




#71
 Anthracene
 Concen: 2.63 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.06 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

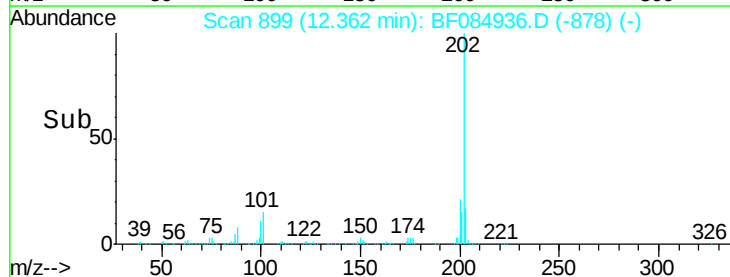
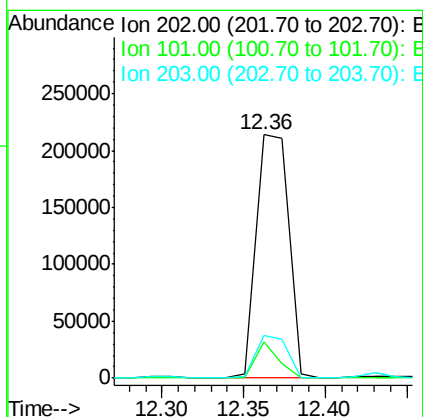
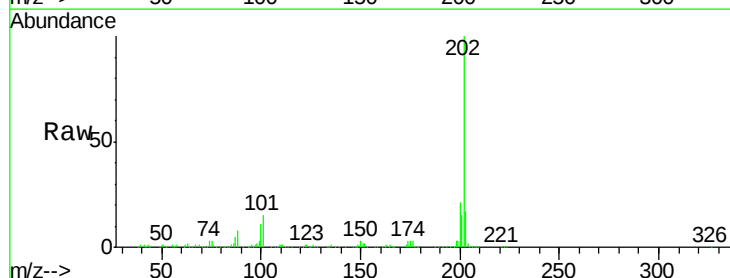
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

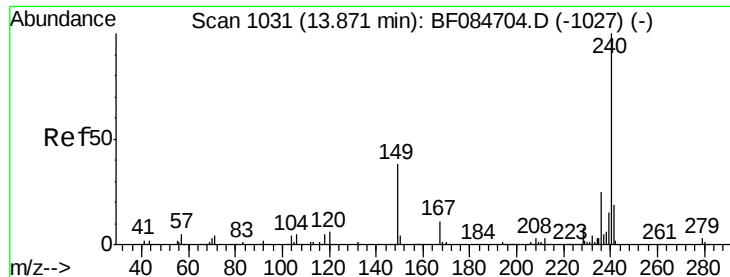
Tgt Ion:178 Resp: 76150
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.0
 179 15.7 12.5 18.7



#74
 Fluoranthene
 Concen: 10.17 ng
 RT: 12.36 min Scan# 899
 Delta R.T. -0.06 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Tgt Ion:202 Resp: 295590
 Ion Ratio Lower Upper
 202 100
 101 14.9 0.0 32.8
 203 17.4 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

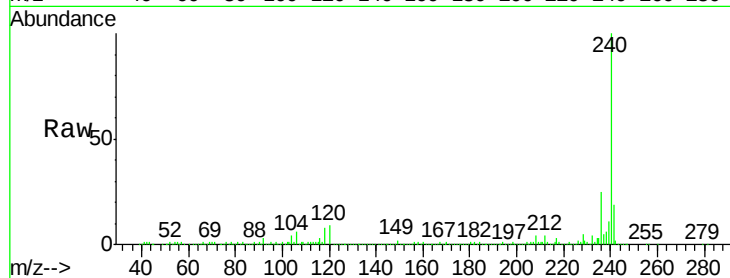
Tgt Ion:240 Resp: 362291

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

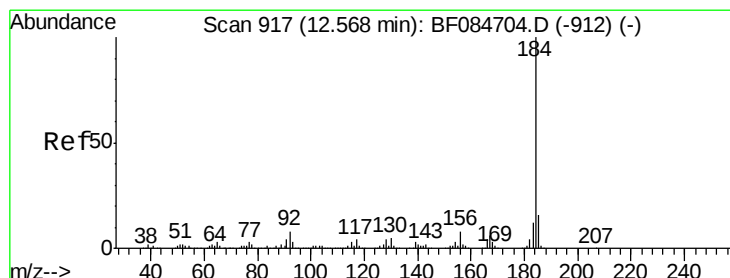
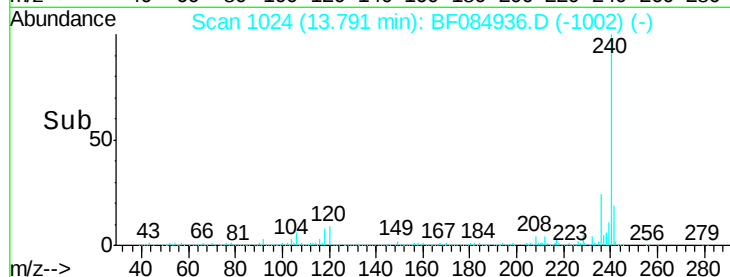
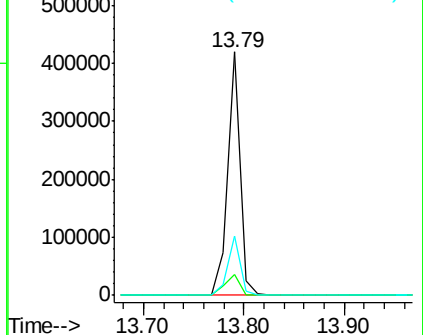
236 24.6 20.6 31.0



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: 7.49 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.21 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

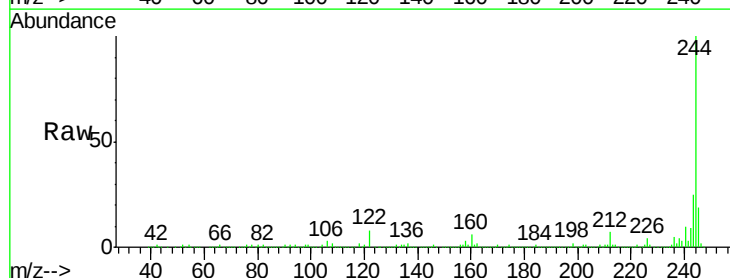
Tgt Ion:184 Resp: 11480

Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.2

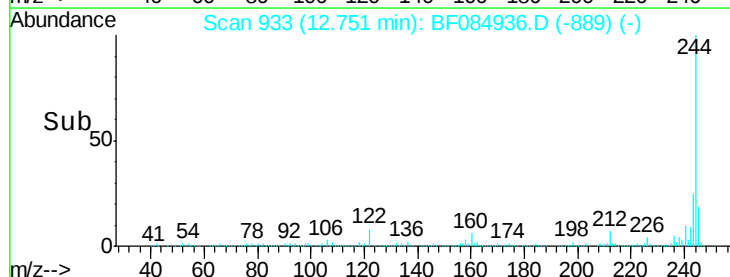
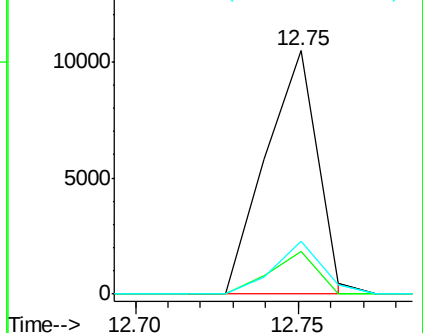
183 21.5 9.8 14.8#

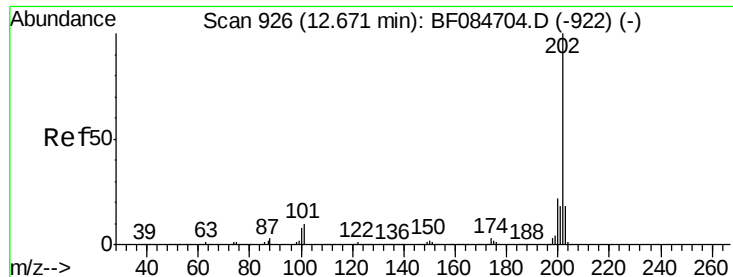


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

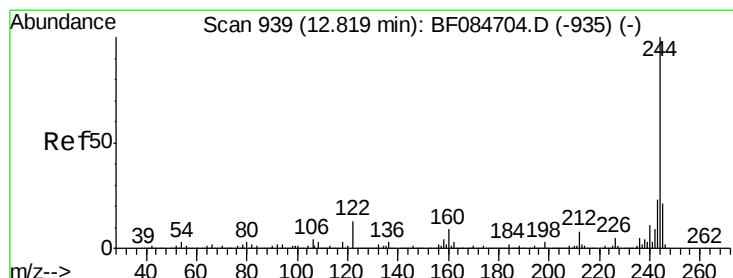
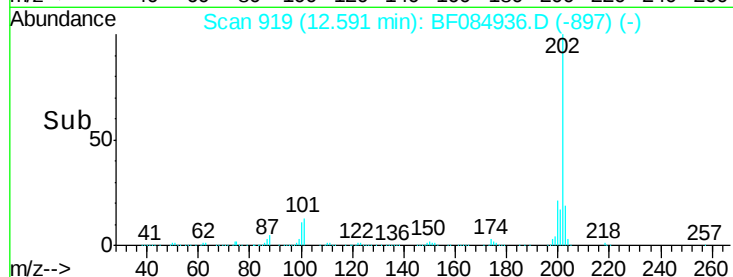
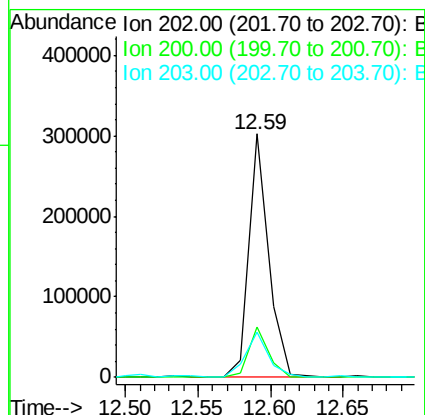
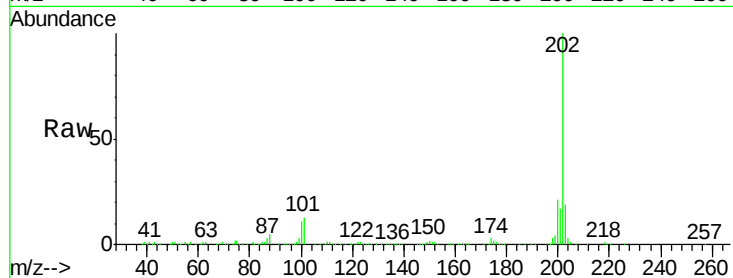




#77
 Pyrene
 Concen: 10.21 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.05 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

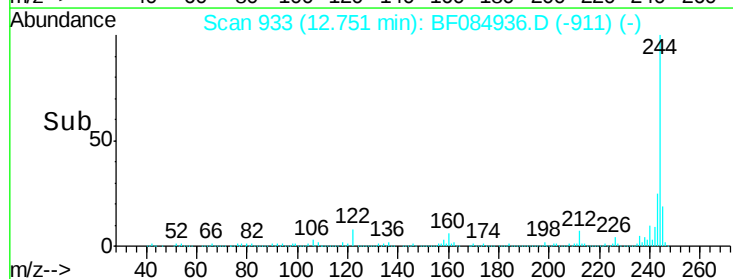
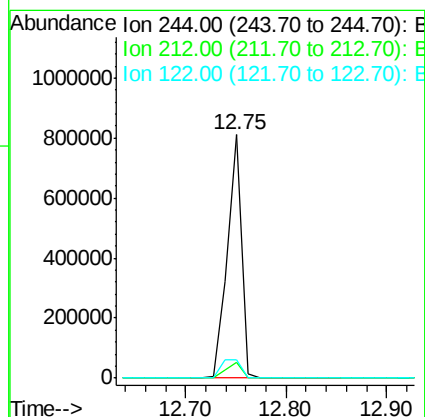
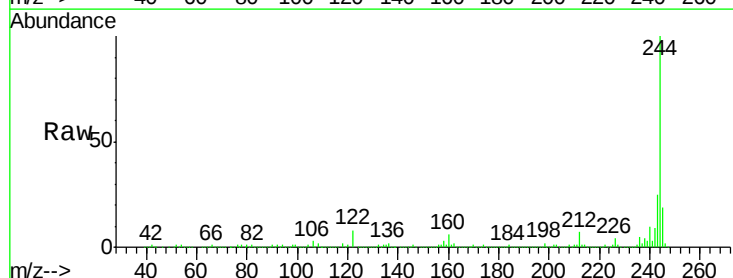
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

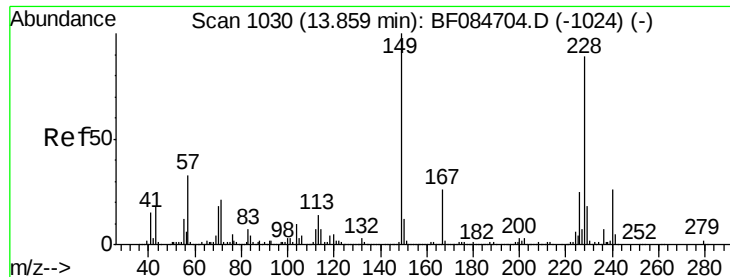
Tgt Ion: 202 Resp: 283179
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.2 25.8
 203 18.8 14.3 21.5



#78
 Terphenyl-d14
 Concen: 49.72 ng
 RT: 12.75 min Scan# 933
 Delta R.T. -0.05 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Tgt Ion: 244 Resp: 794847
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 7.7 7.4 11.0





#80

Benzo(a)anthracene

Concen: 6.02 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

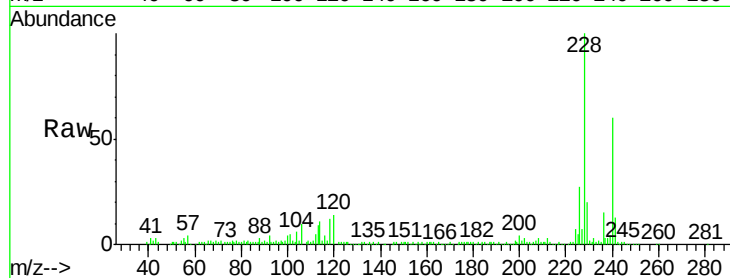
Tgt Ion:228 Resp: 135465

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.6

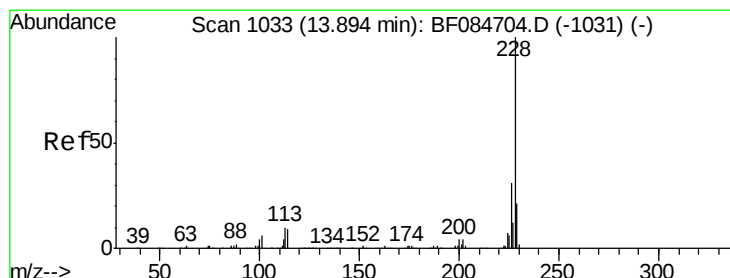
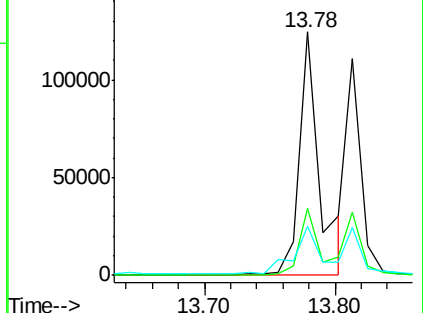
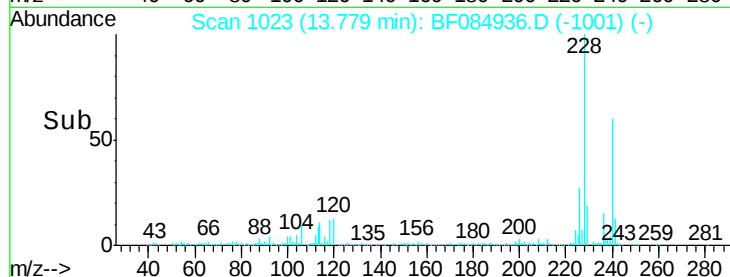
229 20.0 15.8 23.8



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: 4.04 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

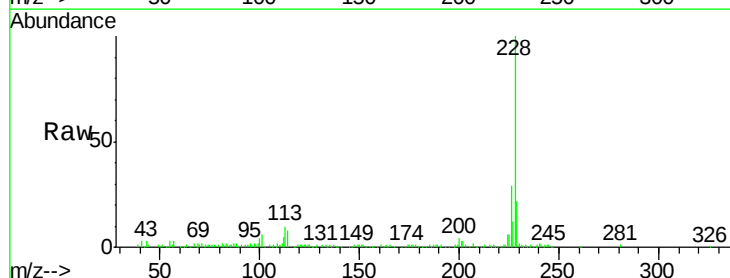
Tgt Ion:228 Resp: 88029

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

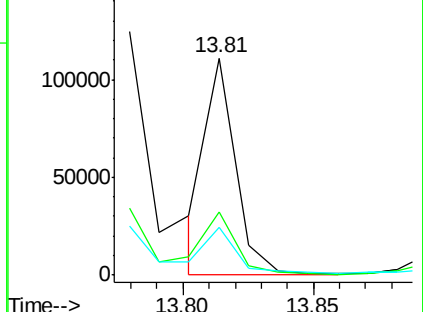
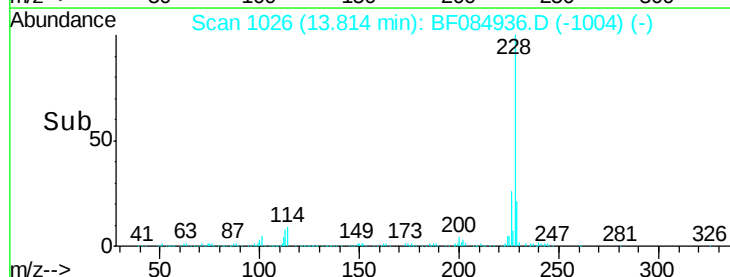
229 21.8 16.1 24.1

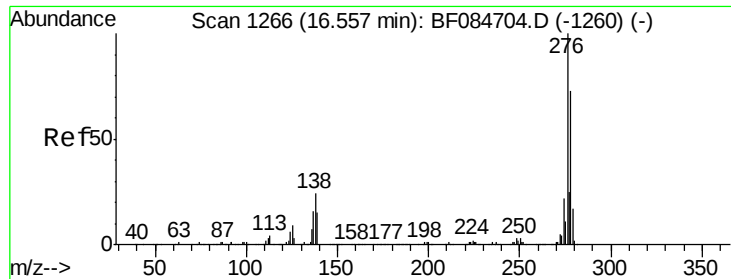


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

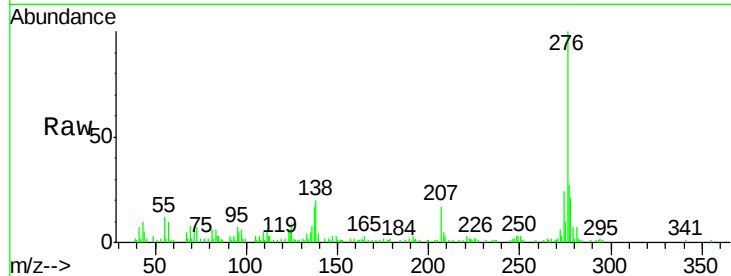




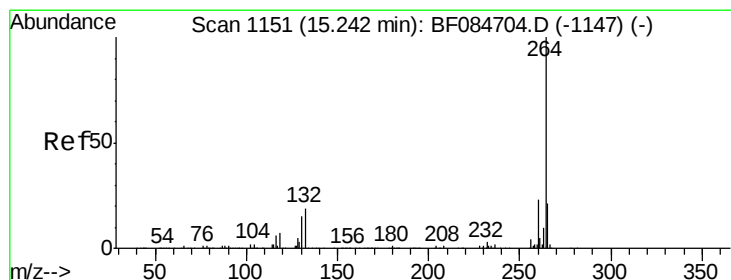
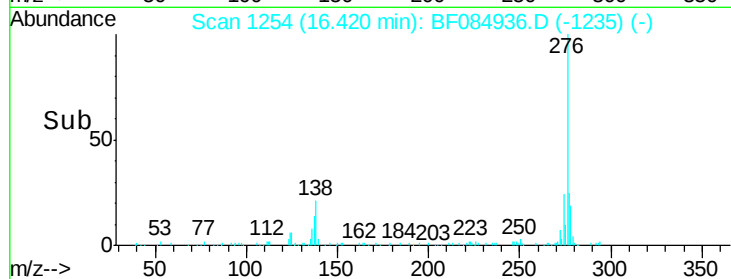
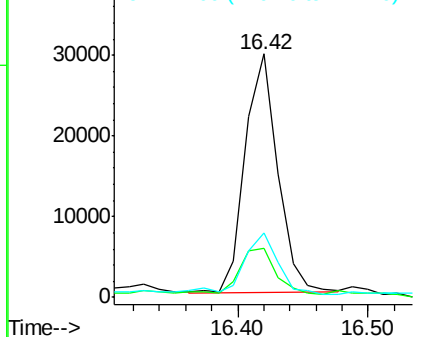
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.00 ng
 RT: 16.42 min Scan# 1254
 Delta R.T. -0.08 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

Tgt Ion: 276 Resp: 51551
 Ion Ratio Lower Upper
 276 100
 138 26.0 20.6 30.8
 277 29.2 20.1 30.1

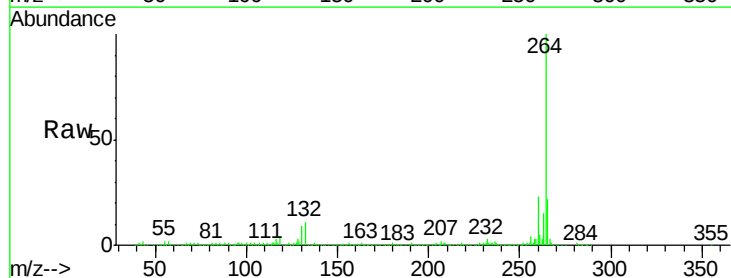


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

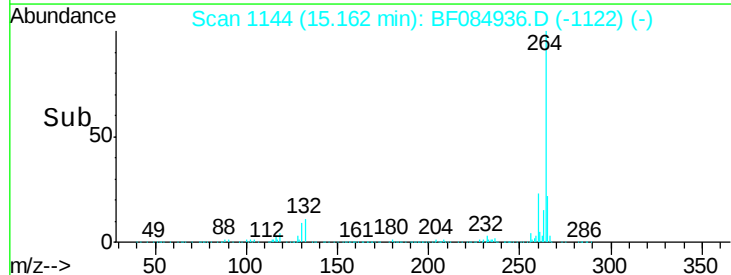
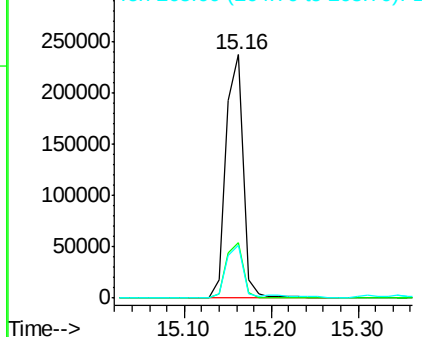


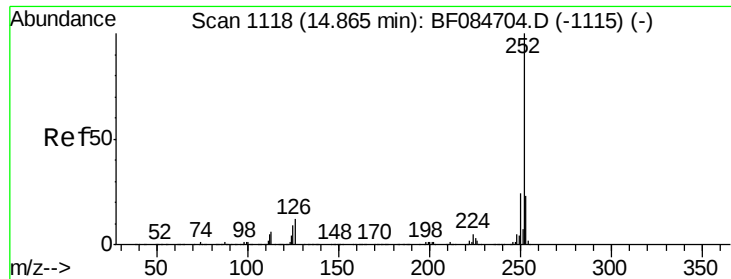
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1144
 Delta R.T. -0.05 min
 Lab File: BF084936.D
 Acq: 8 Feb 2016 18:47

Tgt Ion: 264 Resp: 329264
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.4 29.2
 265 22.0 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: 7.25 ng

RT: 14.79 min Scan# 1111

Delta R.T. -0.05 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

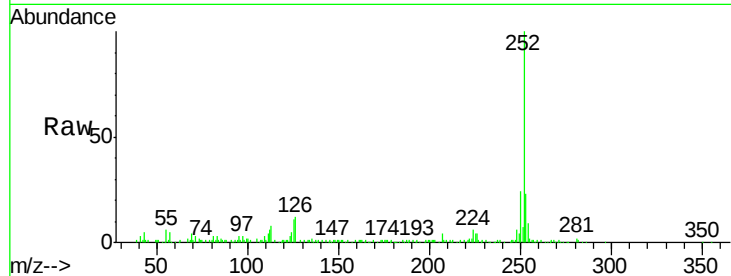
Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

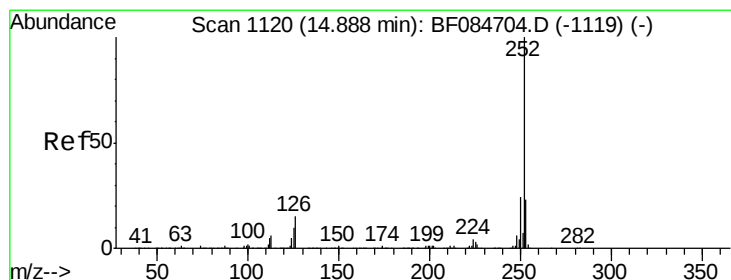
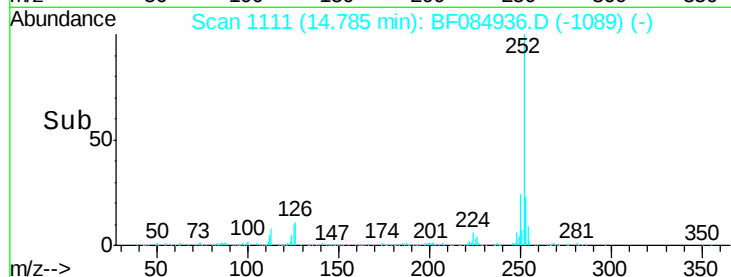
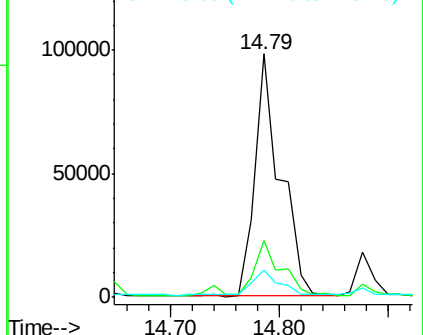
Tgt Ion:	252	Resp:	160395
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	11.3	6.5	9.7#



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: 8.77 ng

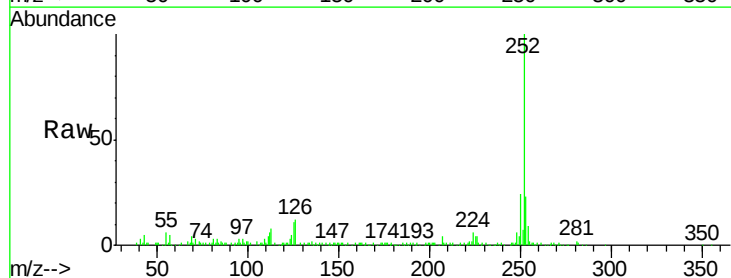
RT: 14.79 min Scan# 1111

Delta R.T. -0.07 min

Lab File: BF084936.D

Acq: 8 Feb 2016 18:47

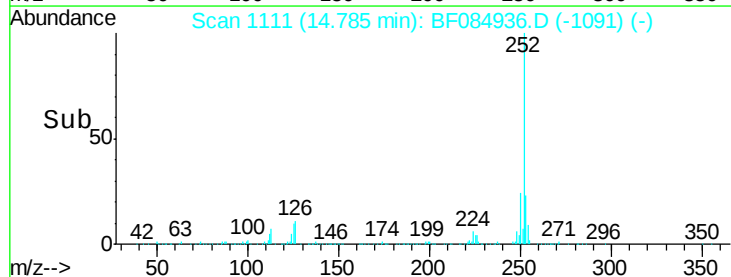
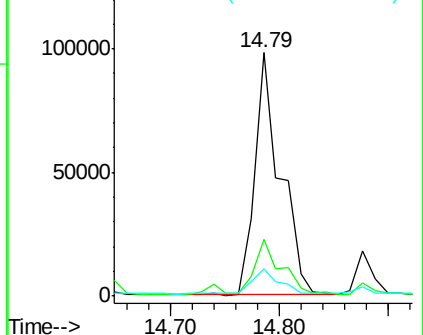
Tgt Ion:	252	Resp:	160395
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	11.3	9.0	13.6

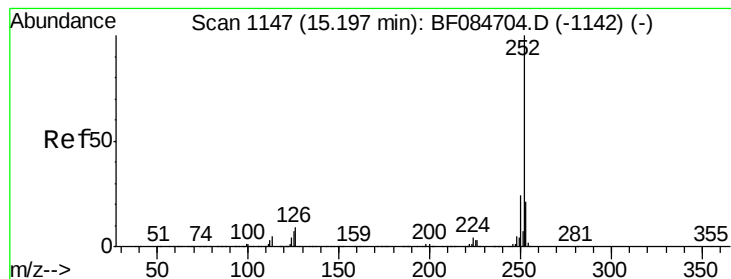


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

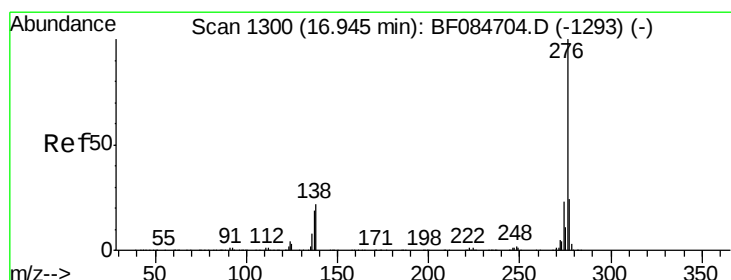
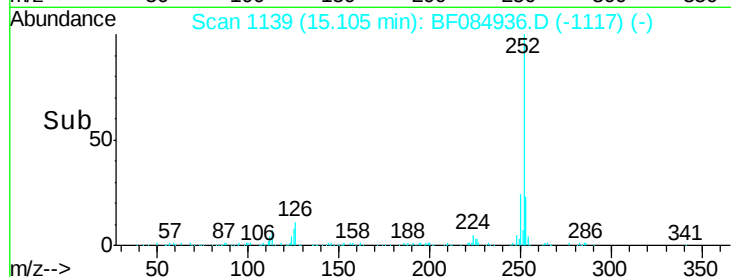
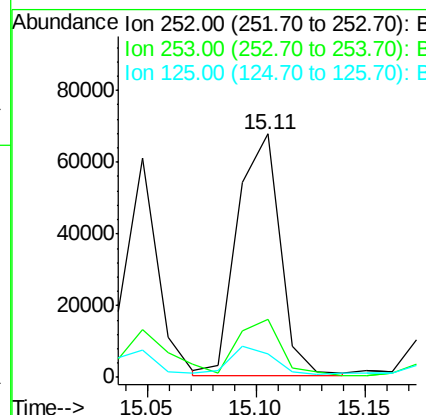
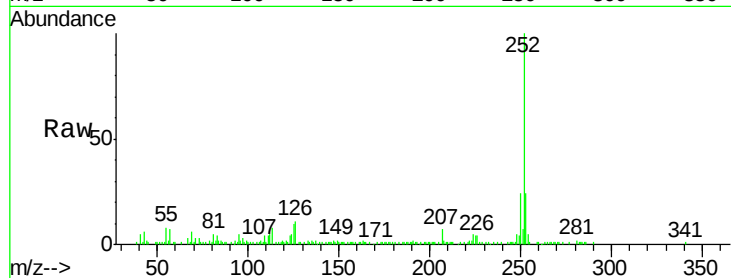




#89
Benzo(a)pyrene
Concen: 4.87 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF084936.D
Acq: 8 Feb 2016 18:47

Instrument :
BNA_F
ClientSampleId :
SUP-B006(0-2)

Tgt Ion: 252 Resp: 91865
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 9.7 7.0 10.4



#91
Benzo(g,h,i)perylene
Concen: 3.52 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.09 min
Lab File: BF084936.D
Acq: 8 Feb 2016 18:47

Tgt Ion: 276 Resp: 56208
Ion Ratio Lower Upper
276 100
277 22.4 18.8 28.2
138 20.7 17.8 26.6

