

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084939.D
 Acq On : 8 Feb 2016 20:10
 Operator : SJ/IZ
 Sample : H1329-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

Quant Time: Feb 09 02:37:55 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	171627	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	728212	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	305438	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	474497	20.00	ng	-0.05
75) Chrysene-d12	13.80	240	261405	20.00	ng	-0.03
86) Perylene-d12	15.17	264	278977	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	997347	90.51	ng	-0.03
7) Phenol-d6	6.32	99	1963292	143.73	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1397273	108.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	25171	7.90	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	2226544	-20.00	ng	-0.03
78) Terphenyl-d14	12.76	244	1269140	110.02	ng	-0.03

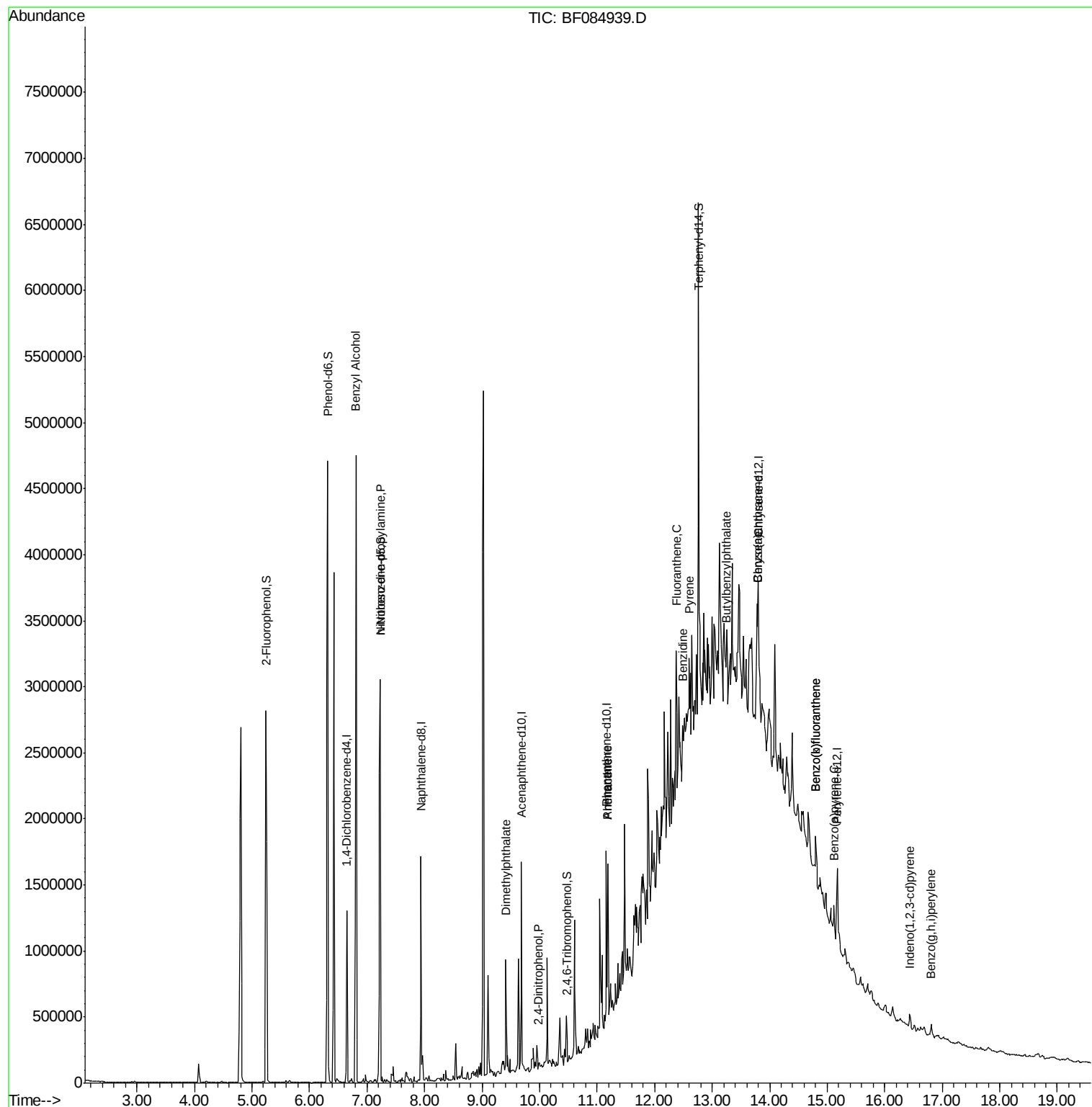
Target Compounds						Qvalue
15) Benzyl Alcohol	6.81	79	22882	2.43	ng	# 43
19) n-Nitroso-di-n-propylamine	7.23	70	194807	22.75	ng	# 78
49) Dimethylphthalate	9.41	163	269204	11.57	ng	# 90
53) 2,4-Dinitrophenol	9.97	184	222	5.89	ng	# 17
60) 4-Chlorophenyl-phenylether	10.05	204	435	Below	Cal	# 61
70) Phenanthrene	11.18	178	418148	15.89	ng	99
71) Anthracene	11.18	178	418148	15.77	ng	99
74) Fluoranthene	12.37	202	368683	13.84	ng	99
76) Benzidine	12.49	184	2515	7.07	ng	# 1
77) Pyrene	12.60	202	355529	17.76	ng	99
79) Butylbenzylphthalate	13.24	149	27268	3.00	ng	# 64
80) Benzo(a)anthracene	13.79	228	151281	9.32	ng	# 91
82) Chrysene	13.79	228	151281	9.62	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.43	276	72830	5.88	ng	95
87) Benzo(b)fluoranthene	14.80	252	190684	10.17	ng	# 83
88) Benzo(k)fluoranthene	14.80	252	190684	12.30	ng	# 86
89) Benzo(a)pyrene	15.12	252	94245	5.90	ng	# 85
91) Benzo(g,h,i)perylene	16.81	276	69427	5.13	ng	96

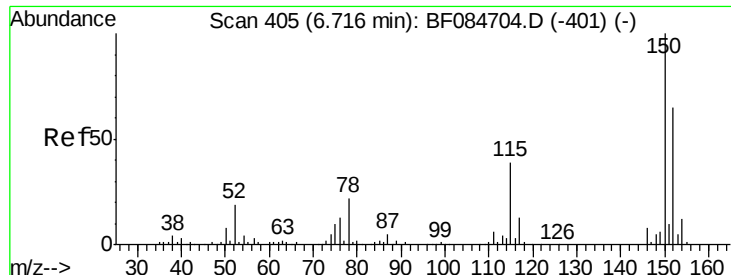
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

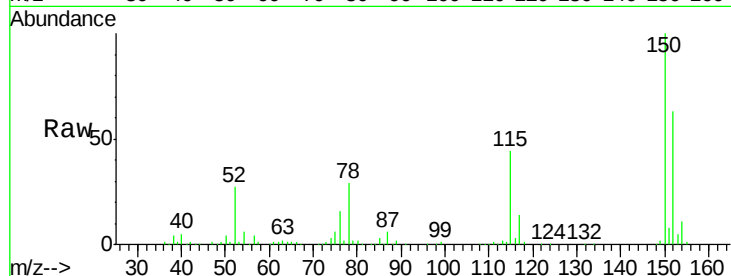
Tgt Ion:152 Resp: 171627

Ion Ratio Lower Upper

152 100

150 158.2 123.0 184.4

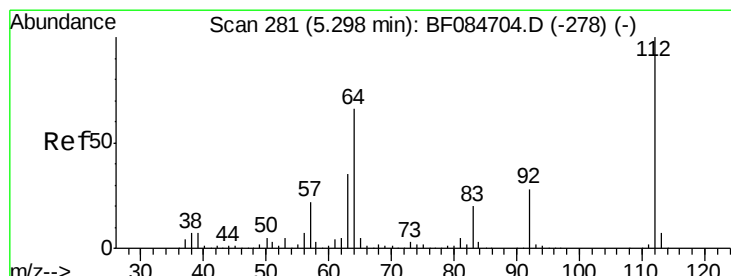
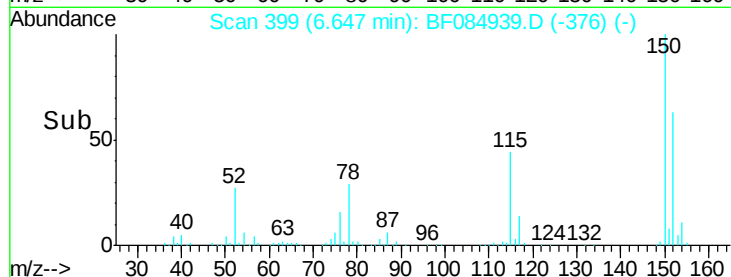
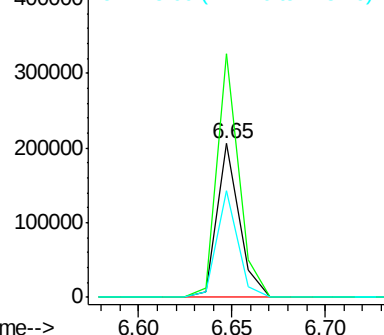
115 69.5 51.4 77.2



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: 90.51 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

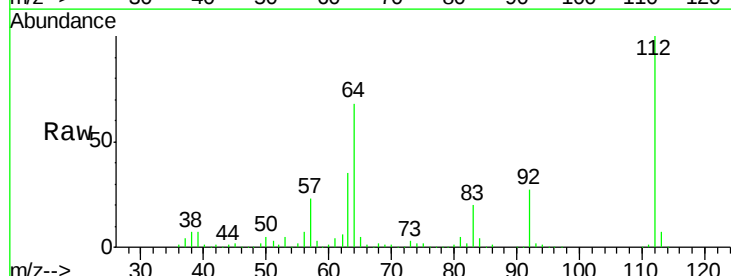
Tgt Ion:112 Resp: 997347

Ion Ratio Lower Upper

112 100

64 67.5 36.6 55.0#

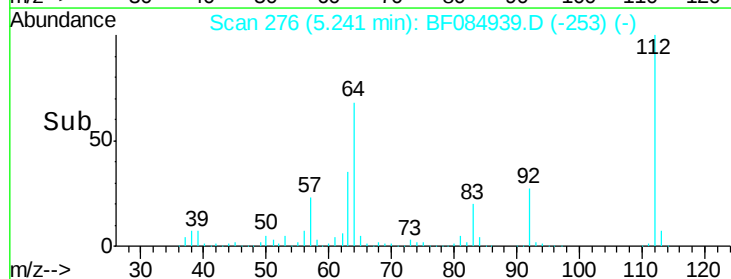
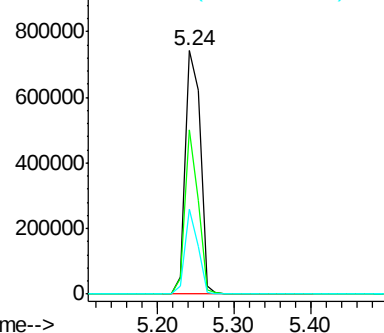
63 34.9 19.4 29.0#

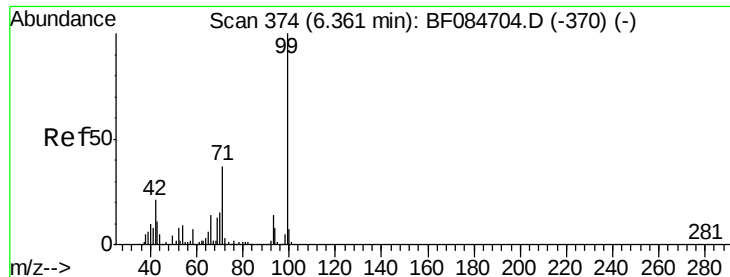


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.73 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

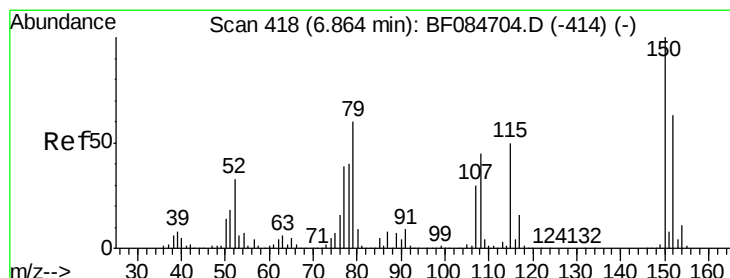
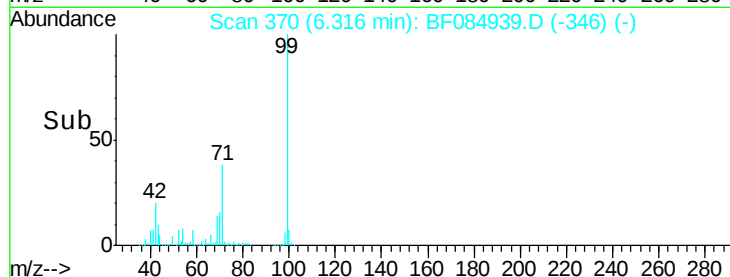
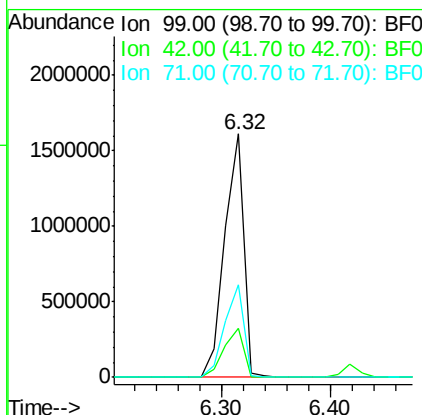
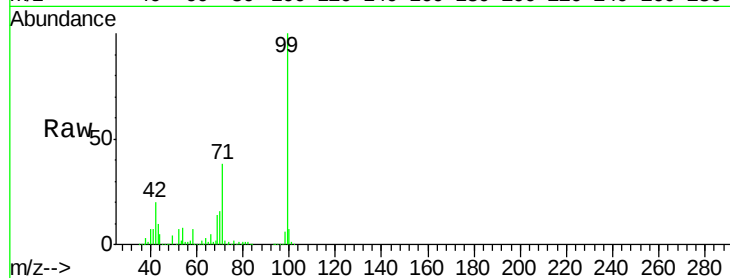
BNA_F

ClientSampleId :

S4-B007(10-12)

Tgt Ion: 99 Resp: 1963292

Ion	Ratio	Lower	Upper
99	100		
42	20.0	12.8	19.2#
71	37.8	30.9	46.3



#15

Benzyl Alcohol

Concen: 2.43 ng

RT: 6.81 min Scan# 413

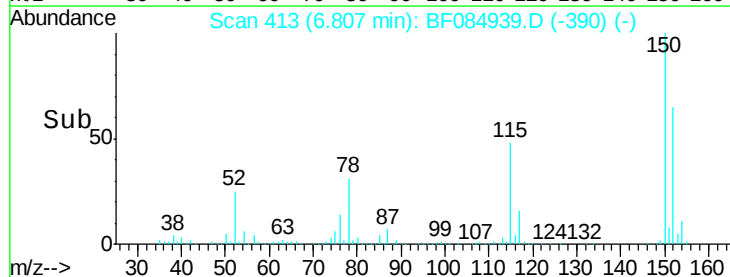
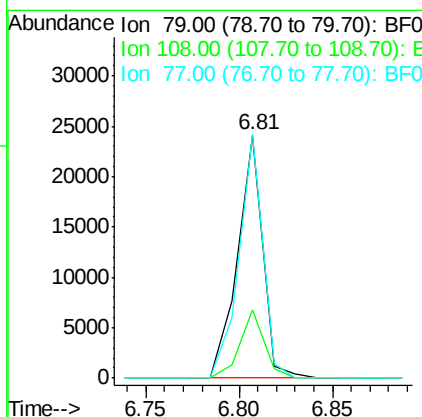
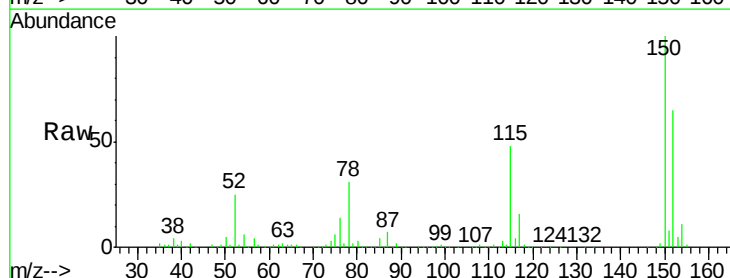
Delta R.T. -0.03 min

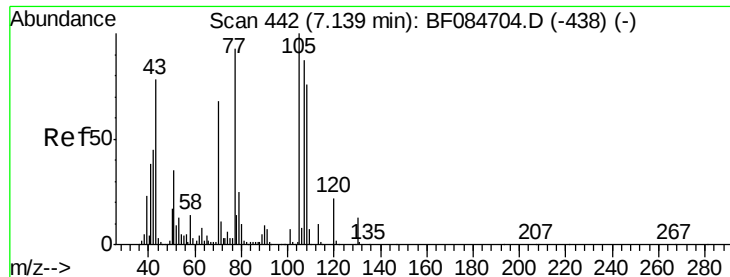
Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Tgt Ion: 79 Resp: 22882

Ion	Ratio	Lower	Upper
79	100		
108	28.2	69.0	103.4#
77	100.3	50.0	75.0#

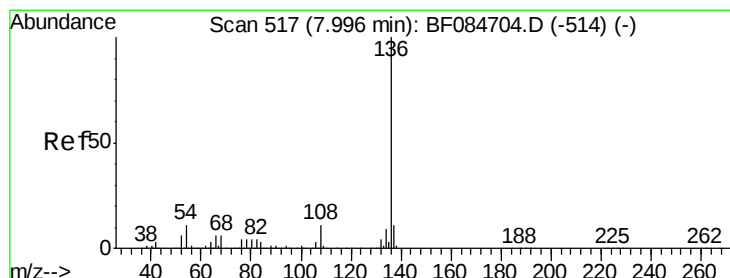
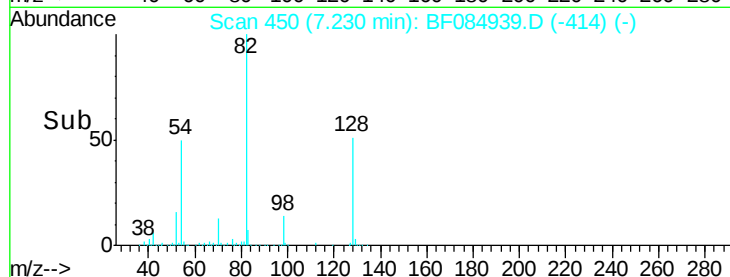
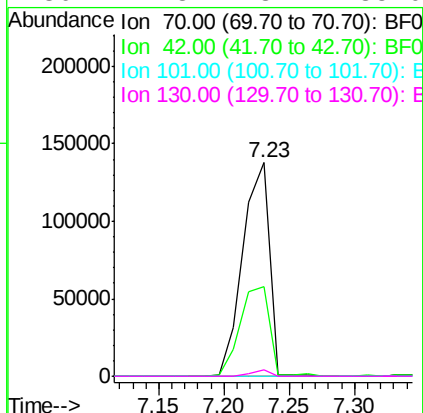
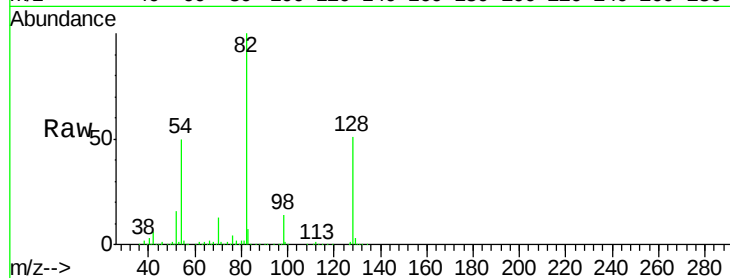




#19
n-Nitroso-di-n-propylamine
Concen: 22.75 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.11 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

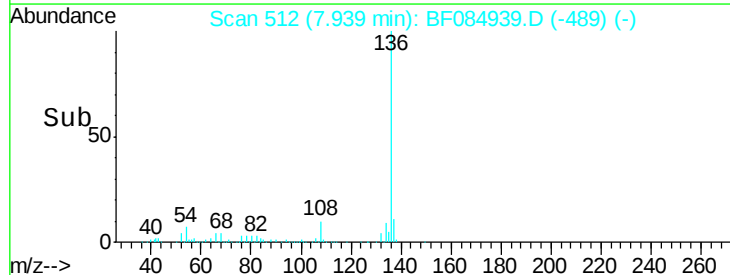
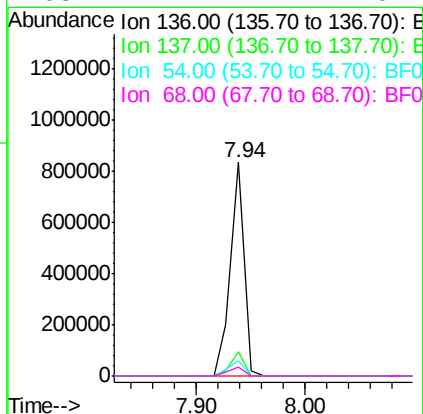
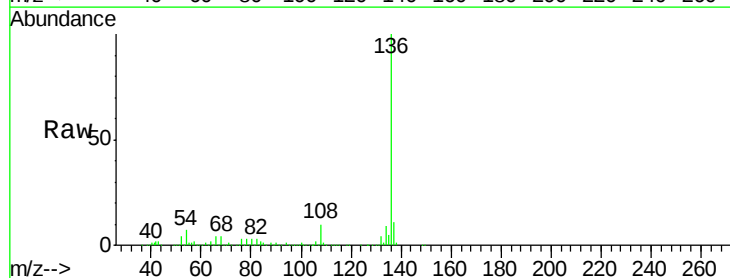
Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

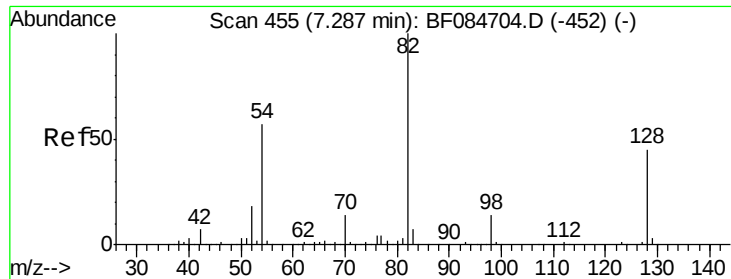
Tgt Ion:	70	Resp:	194807
Ion	Ratio	Lower	Upper
70	100		
42	42.0	33.3	49.9
101	0.0	9.3	13.9#
130	2.8	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion:	136	Resp:	728212
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	7.4	5.8	8.8
68	4.1	4.2	6.2#

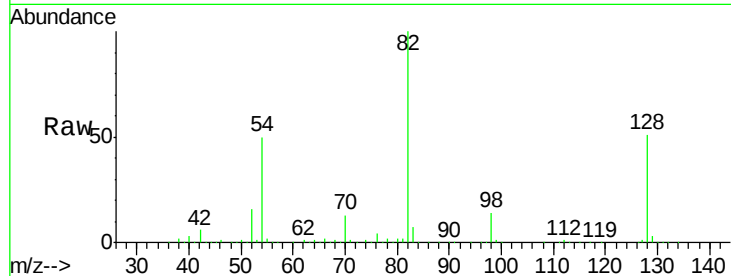




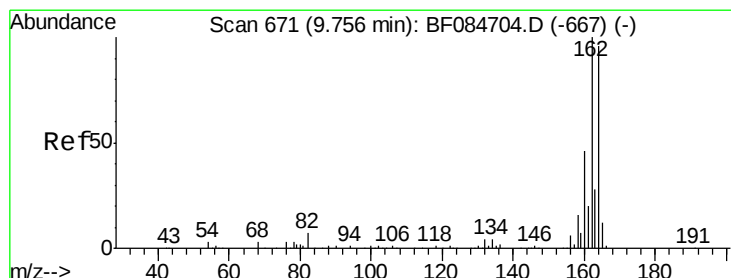
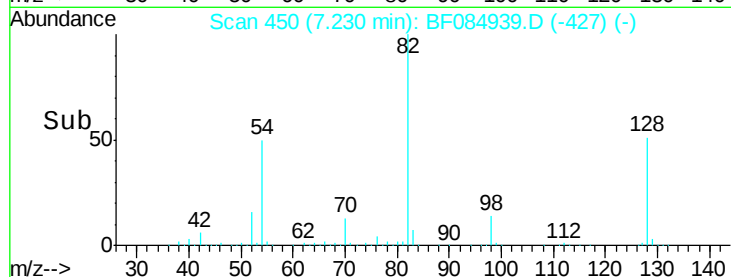
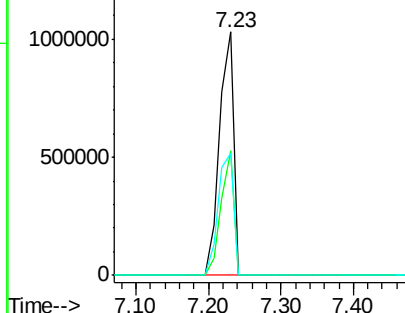
#23
 Nitrobenzene-d5
 Concen: 108.09 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

Tgt Ion: 82 Resp: 1397273
 Ion Ratio Lower Upper
 82 100
 128 50.9 34.6 51.8
 54 50.3 38.4 57.6

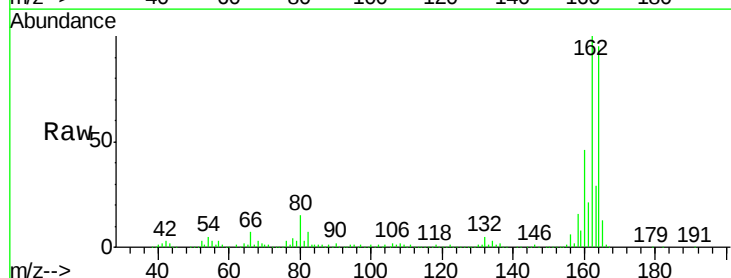


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

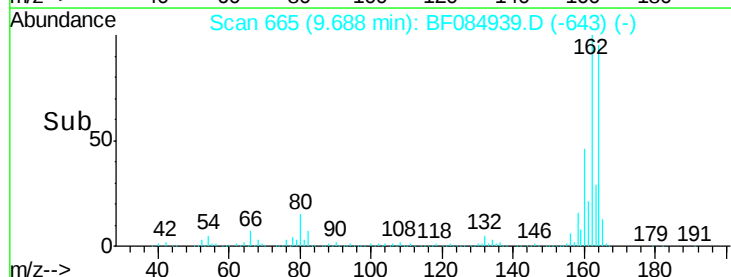
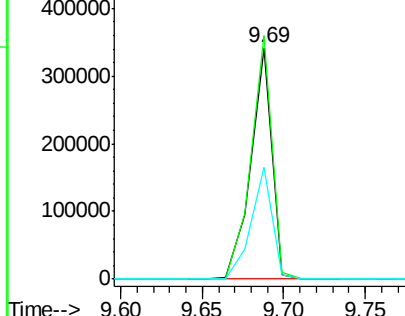


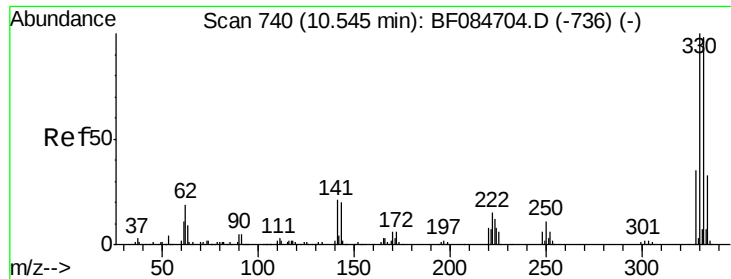
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.05 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Tgt Ion: 164 Resp: 305438
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.1 127.7
 160 48.5 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

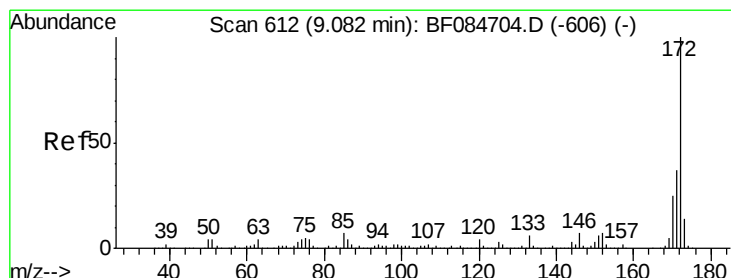
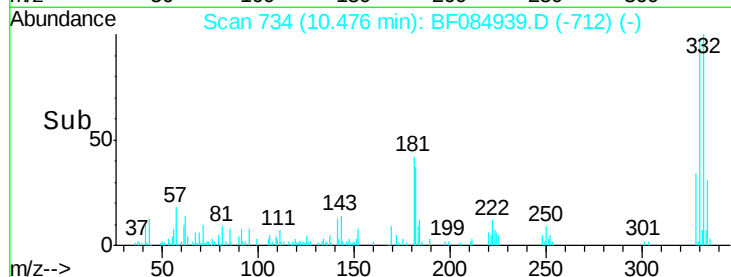
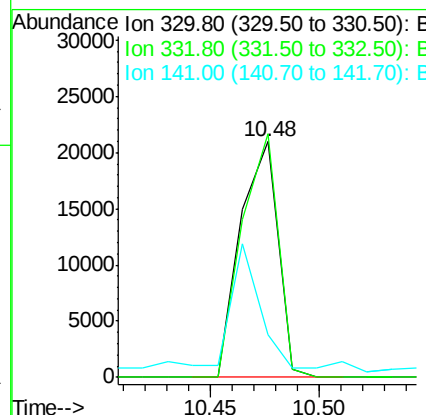
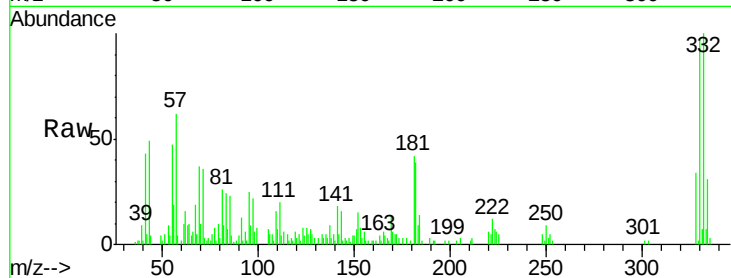




#41
 2,4,6-Tribromophenol
 Concen: 7.90 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

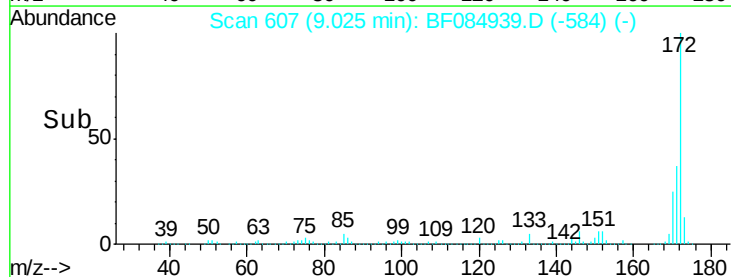
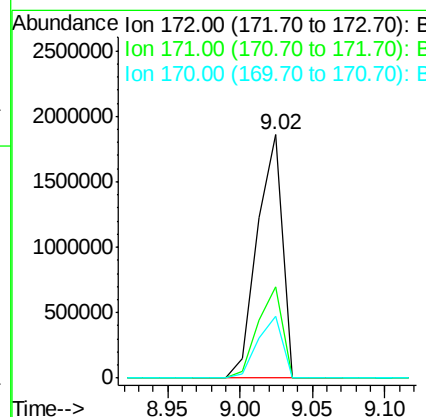
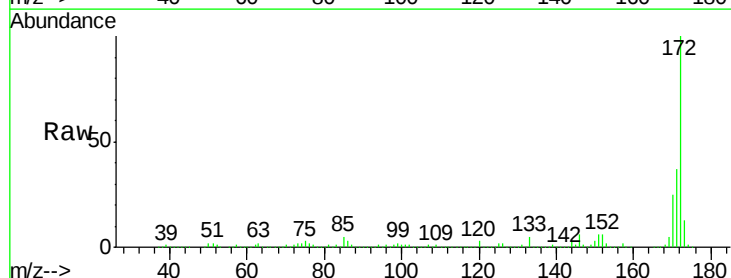
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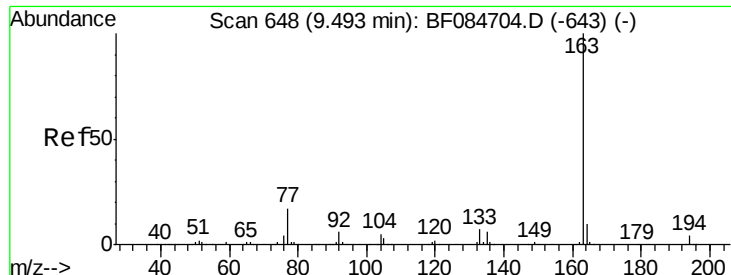
Tgt Ion:330 Resp: 25171
 Ion Ratio Lower Upper
 330 100
 332 99.3 76.6 114.8
 141 44.1 27.8 41.6#



#44
 2-Fluorobiphenyl
 Concen: -20.00 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Tgt Ion:172 Resp: 2226544
 Ion Ratio Lower Upper
 172 100
 171 37.5 28.9 43.3
 170 25.2 18.6 27.8





#49

Dimethylphthalate

Concen: 11.57 ng

RT: 9.41 min Scan# 641

Delta R.T. -0.06 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

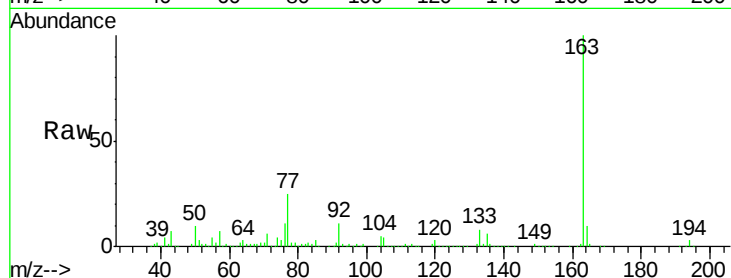
Tgt Ion:163 Resp: 269204

Ion Ratio Lower Upper

163 100

194 3.0 8.0 12.0#

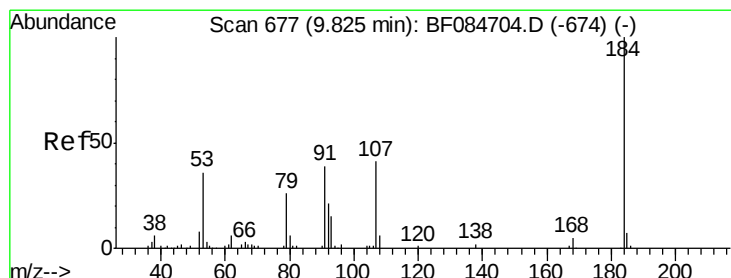
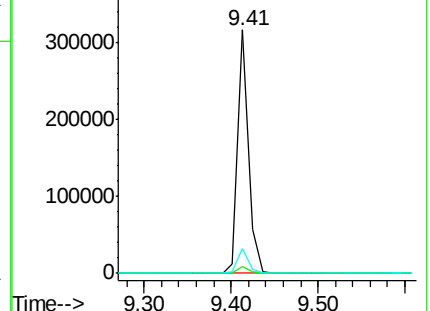
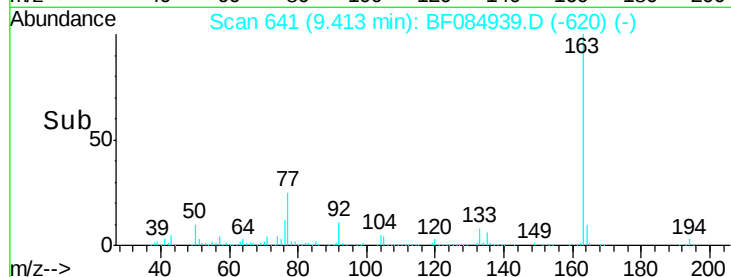
164 10.3 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 5.89 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.17 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

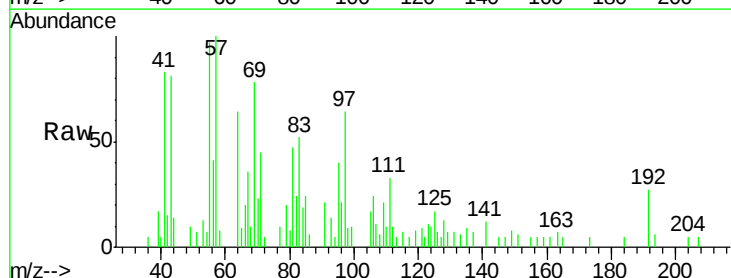
Tgt Ion:184 Resp: 222

Ion Ratio Lower Upper

184 100

63 0.0 43.1 64.7#

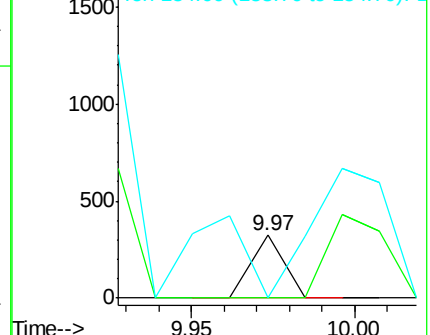
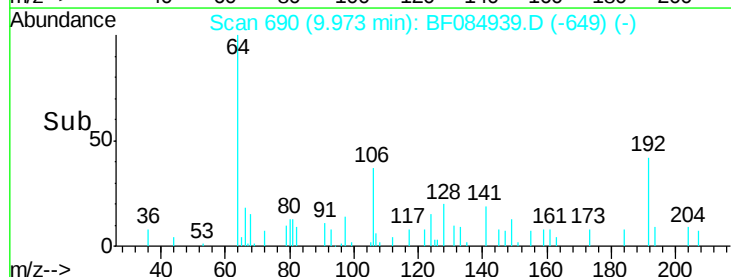
154 0.0 60.5 90.7#

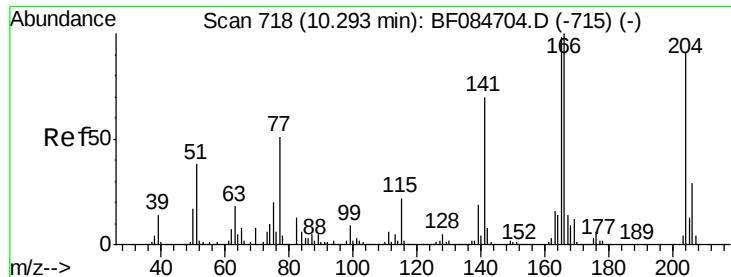


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

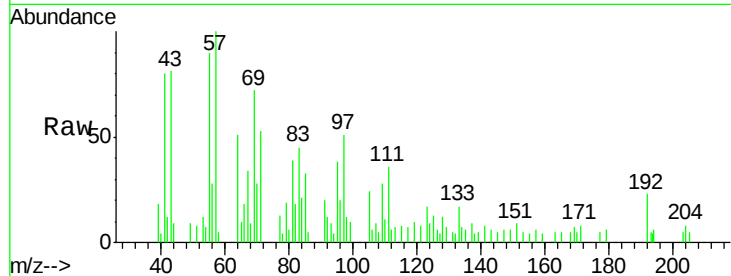




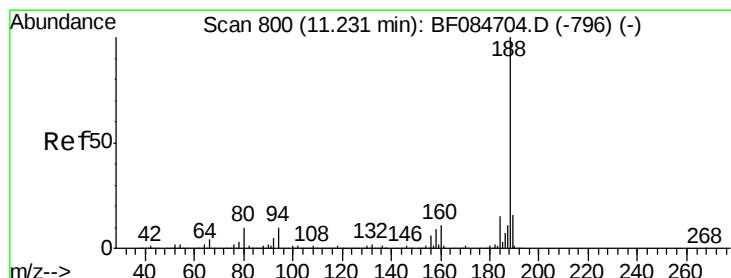
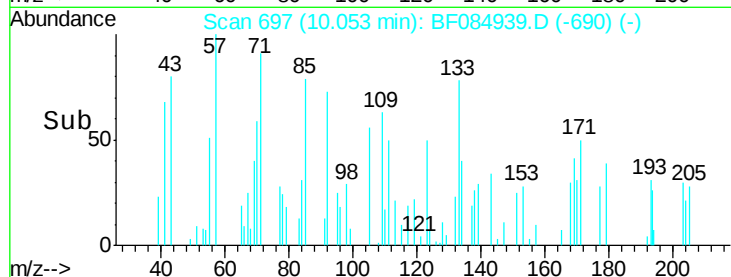
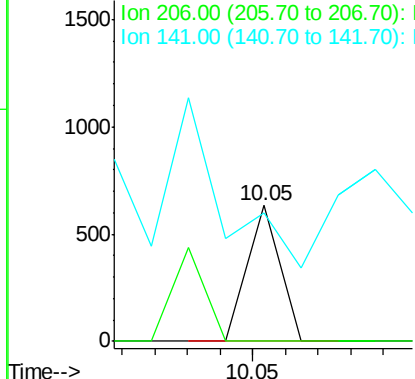
#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.05 min Scan# 697
Delta R.T. -0.22 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

Tgt Ion: 204 Resp: 435
Ion Ratio Lower Upper
204 100
206 0.0 25.7 38.5#
141 94.0 55.1 82.7#

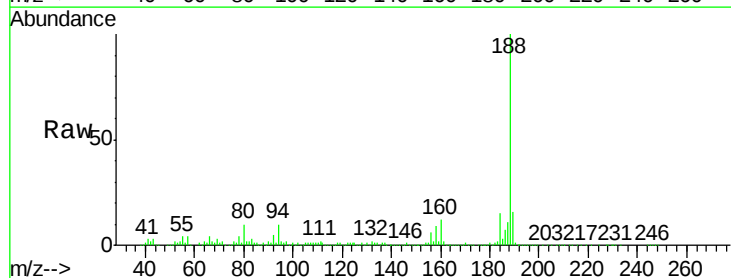


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

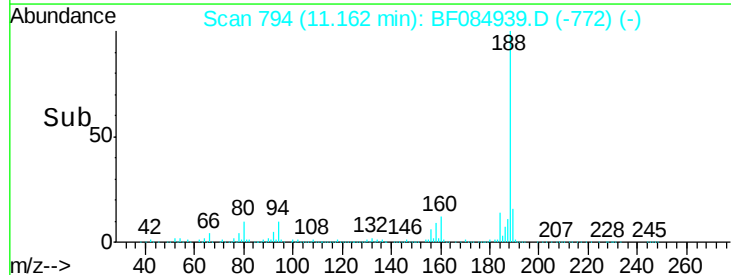
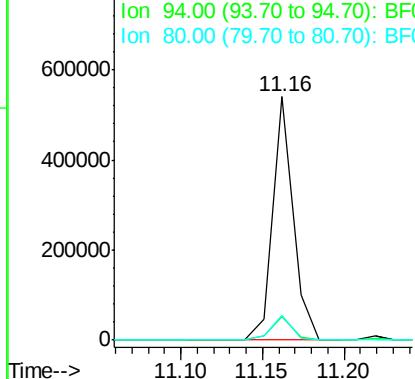


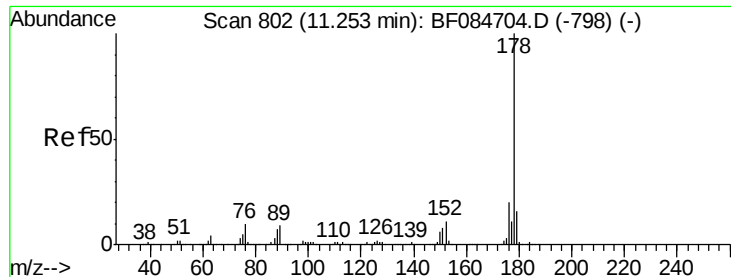
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion: 188 Resp: 474497
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.4
80 10.4 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

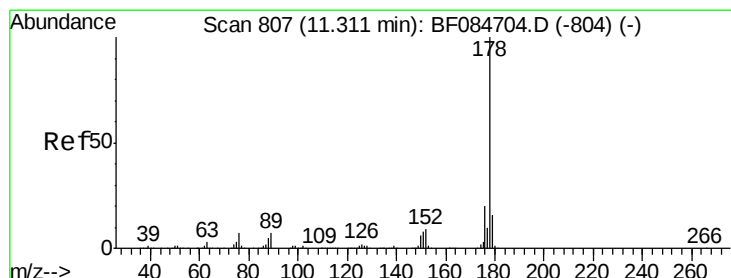
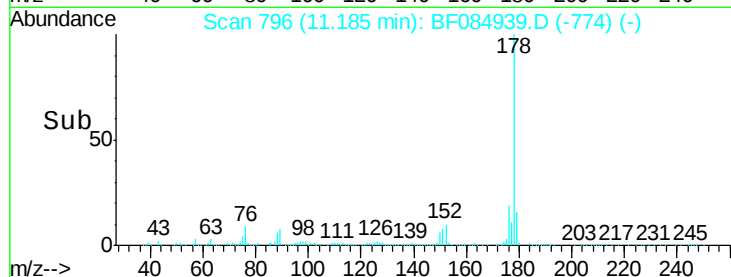
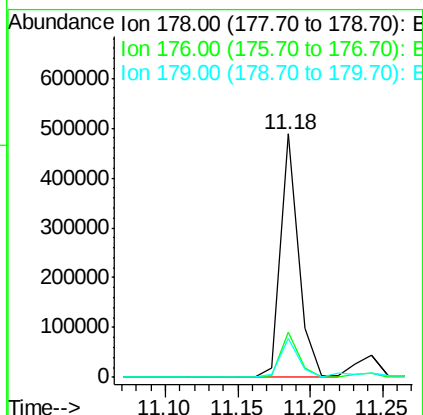
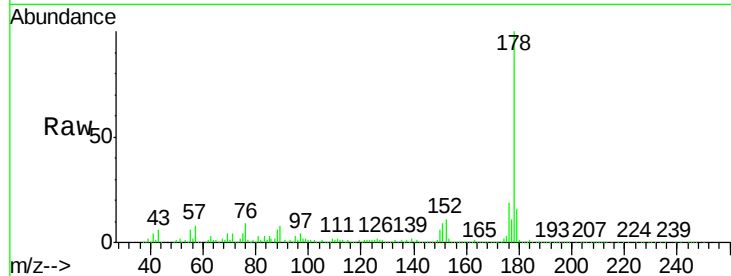




#70
Phenanthrene
Concen: 15.89 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

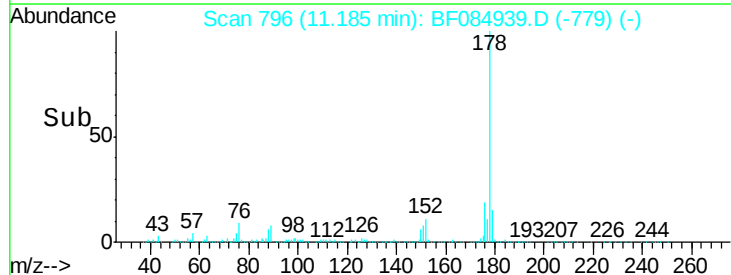
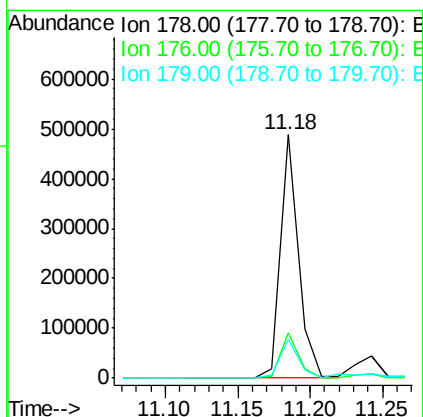
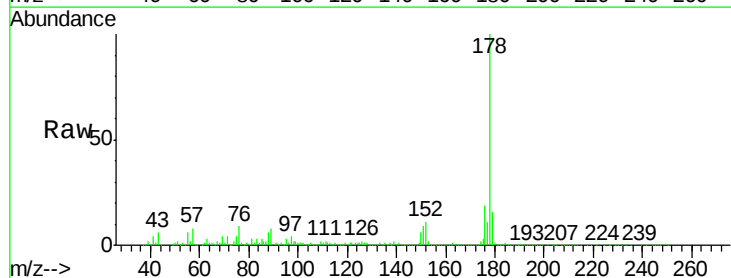
Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

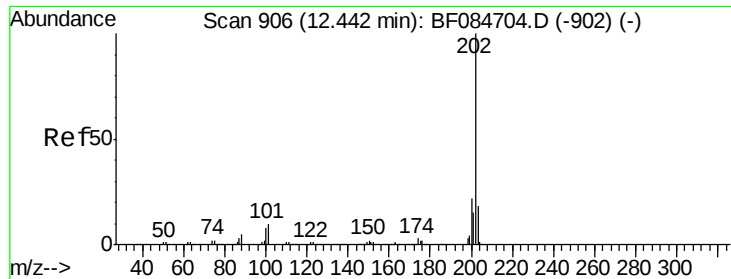
Tgt Ion:178 Resp: 418148
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.7 12.0 18.0



#71
Anthracene
Concen: 15.77 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.10 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion:178 Resp: 418148
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.7 12.5 18.7

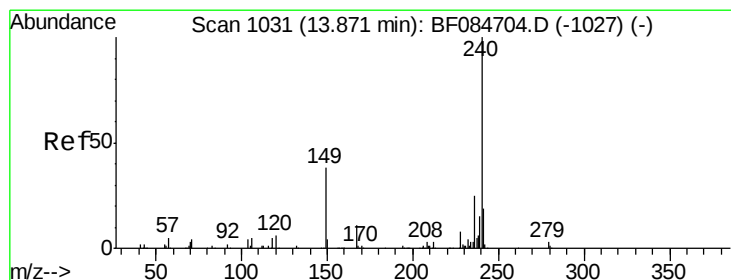
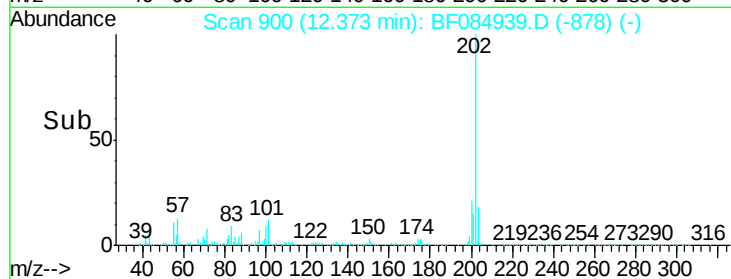
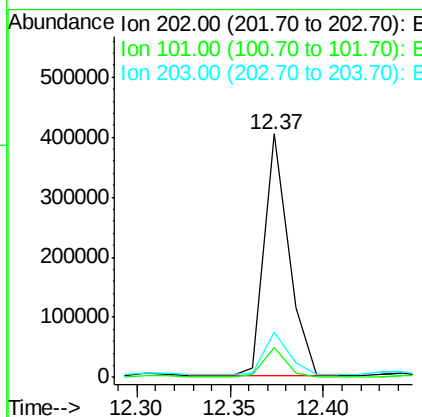
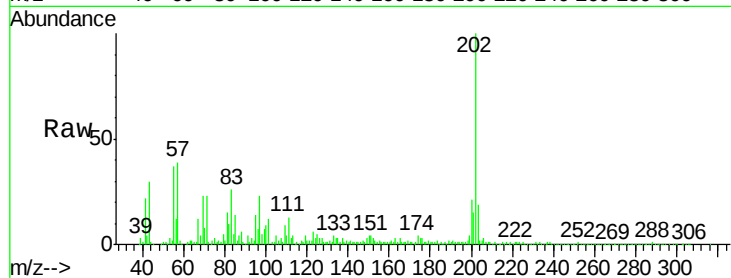




#74
Fluoranthene
Concen: 13.84 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.05 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

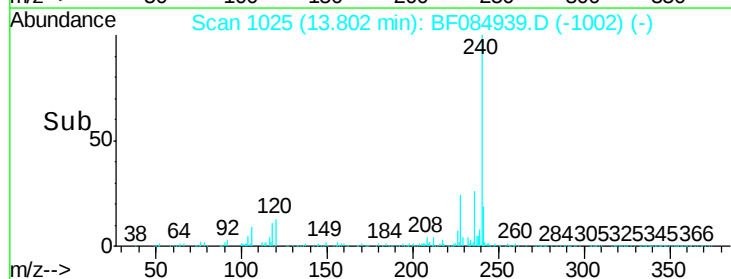
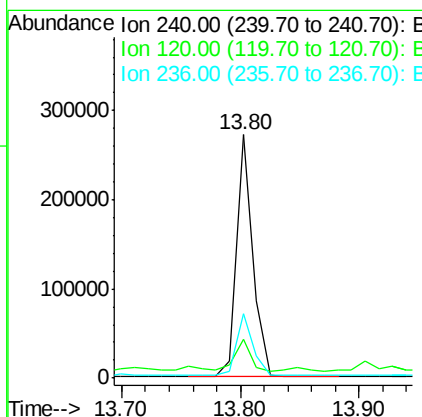
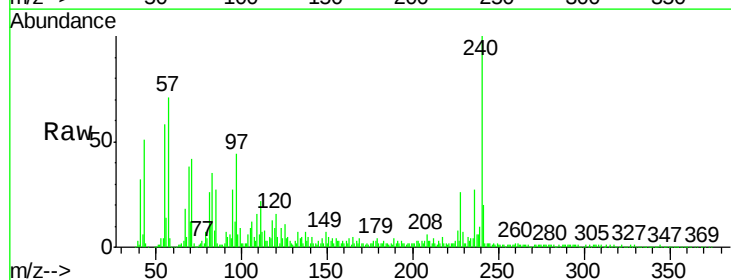
Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

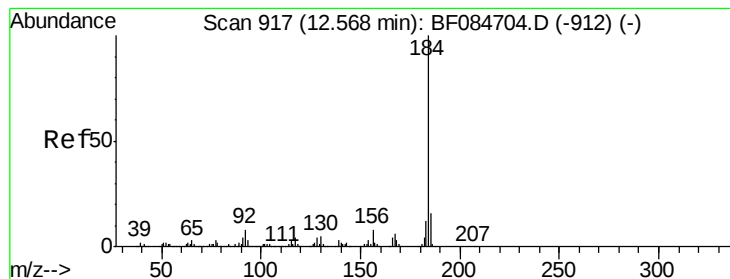
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.8
203	18.5	0.0	37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	26.7	20.6	31.0





#76

Benzidine

Concen: 7.07 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

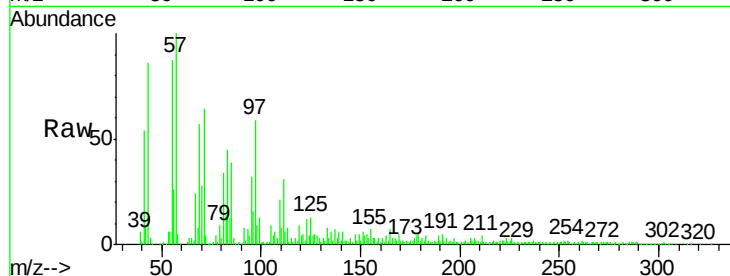
Tgt Ion:184 Resp: 2515

Ion Ratio Lower Upper

184 100

185 83.6 12.2 18.2#

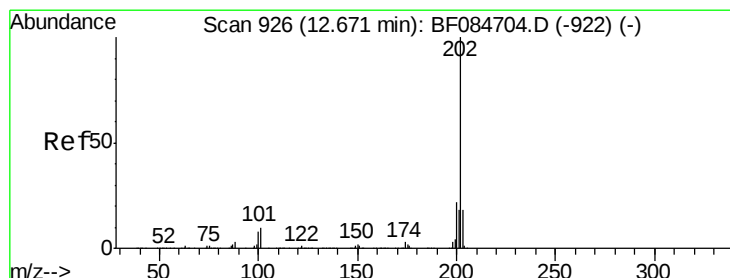
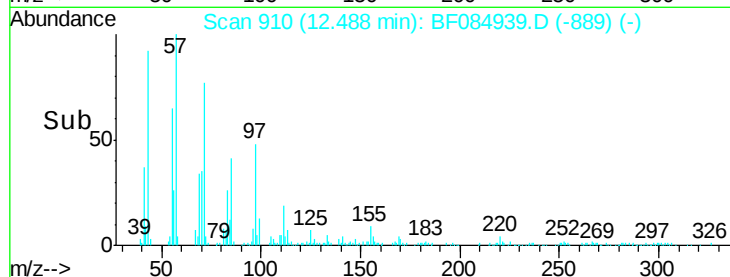
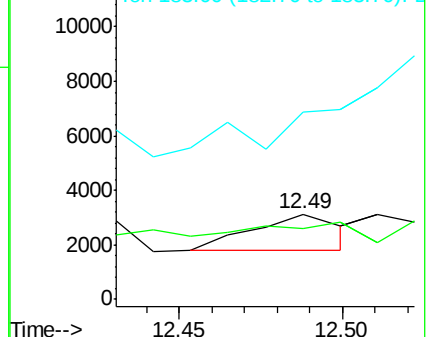
183 219.6 9.8 14.8#



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: 17.76 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

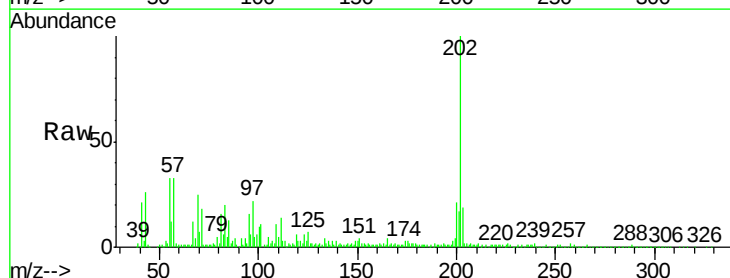
Tgt Ion:202 Resp: 355529

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

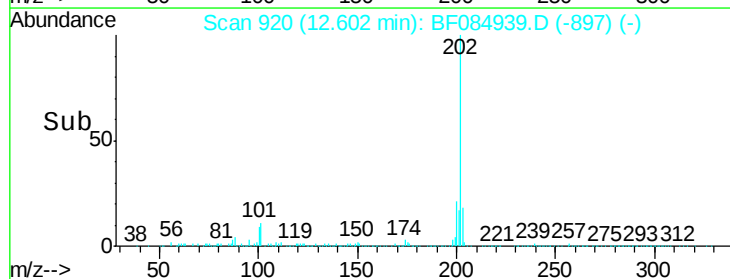
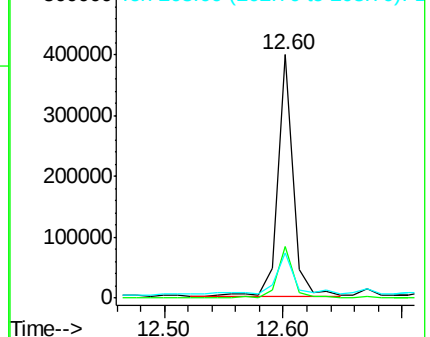
203 18.8 14.3 21.5

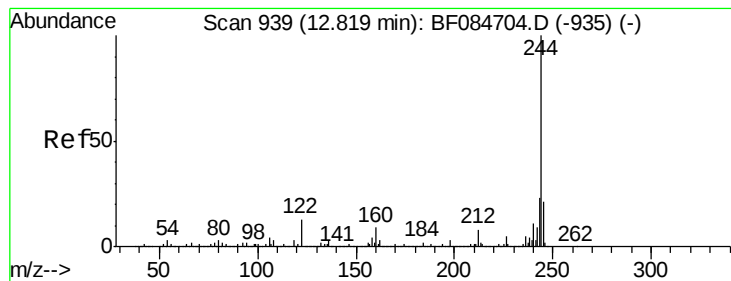


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 110.02 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

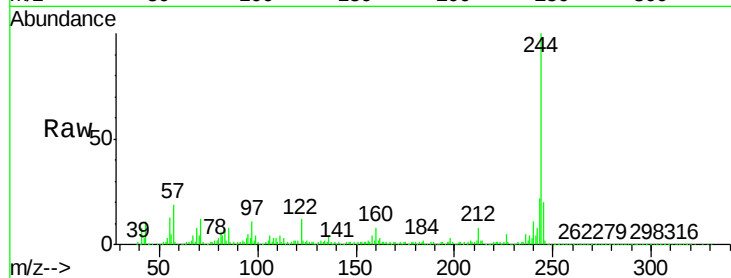
Tgt Ion:244 Resp: 1269140

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

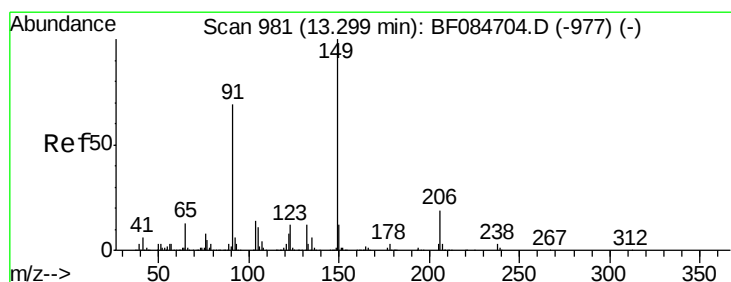
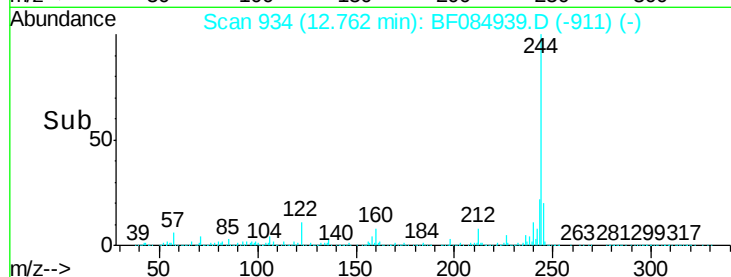
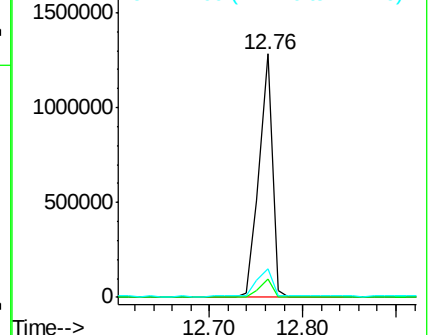
122 11.9 7.4 11.0#



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



#79

Butylbenzylphthalate

Concen: 3.00 ng

RT: 13.24 min Scan# 976

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

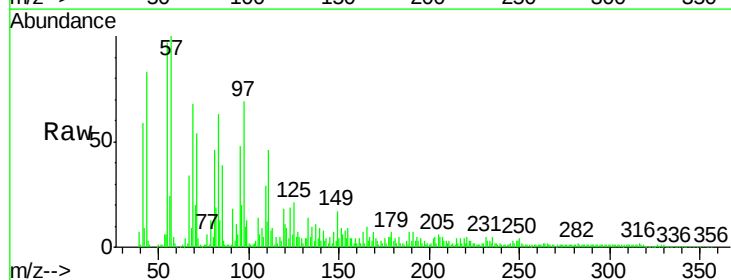
Tgt Ion:149 Resp: 27268

Ion Ratio Lower Upper

149 100

91 102.7 57.6 86.4#

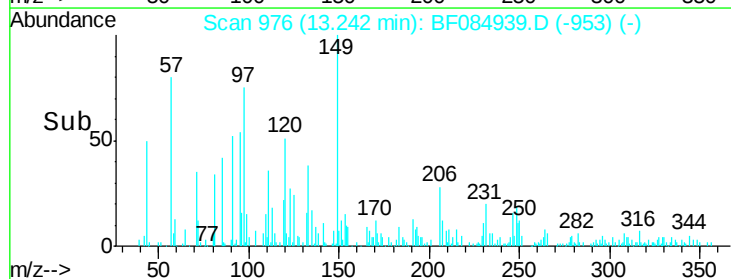
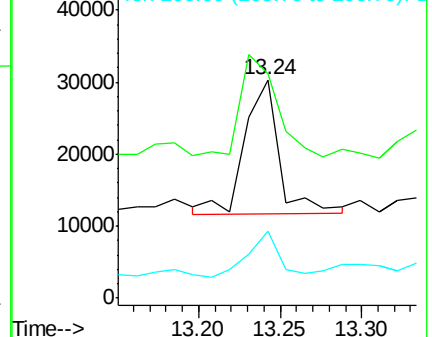
206 30.5 13.2 19.8#

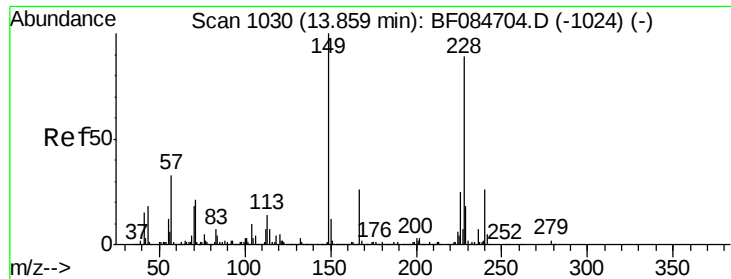


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

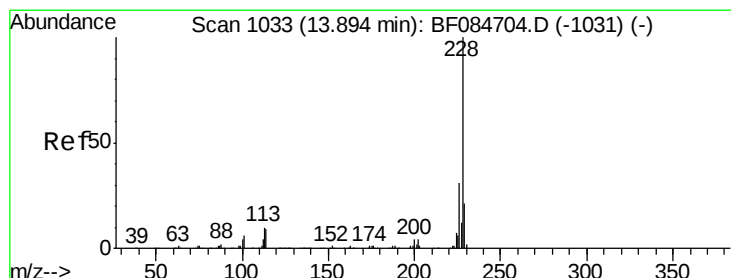
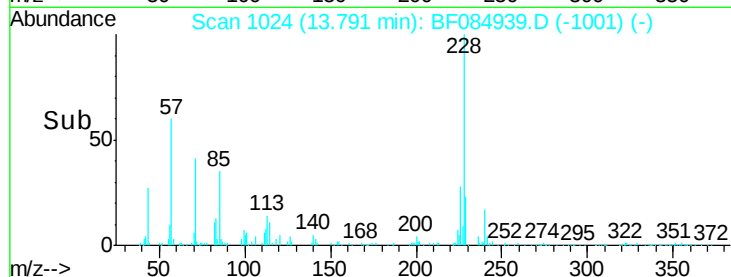
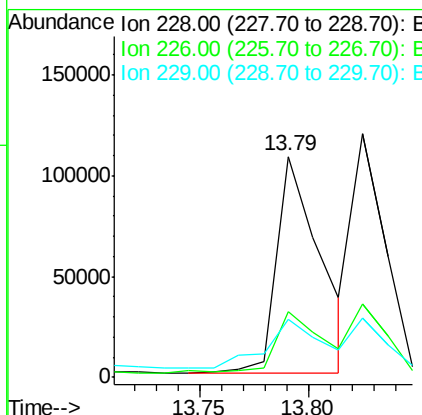
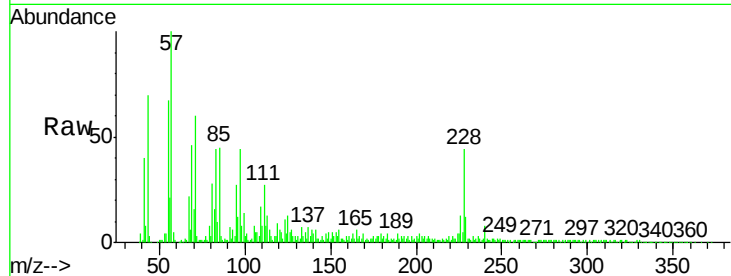




#80
Benzo(a)anthracene
Concen: 9.32 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

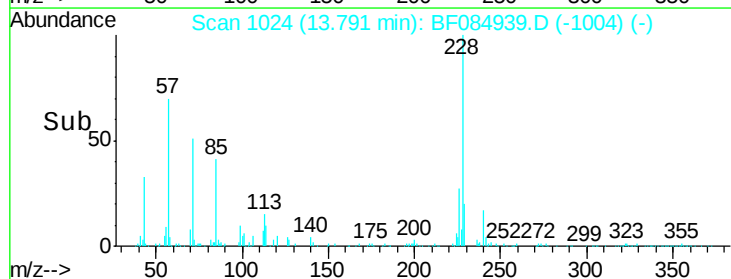
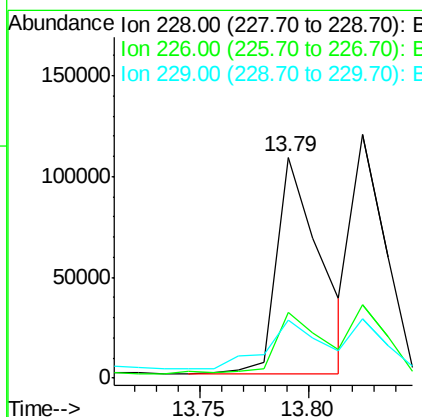
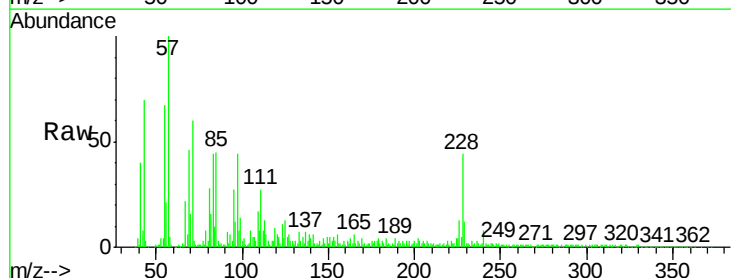
Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

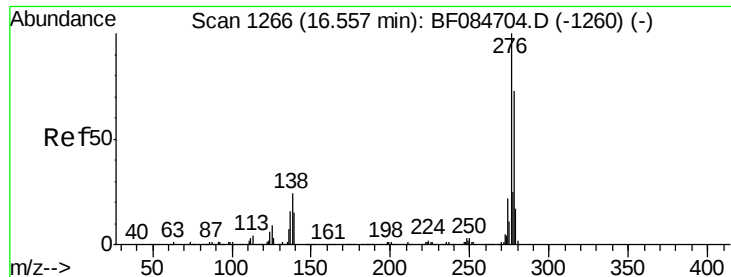
Tgt Ion:228 Resp: 151281
Ion Ratio Lower Upper
228 100
226 29.5 21.8 32.6
229 26.2 15.8 23.8#



#82
Chrysene
Concen: 9.62 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.07 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion:228 Resp: 151281
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 26.2 16.1 24.1#

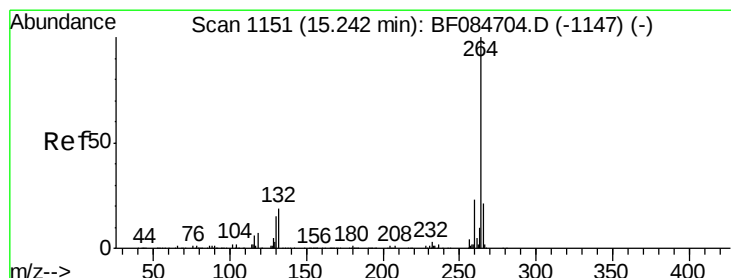
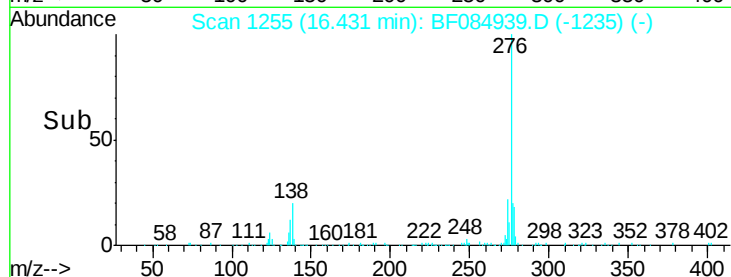
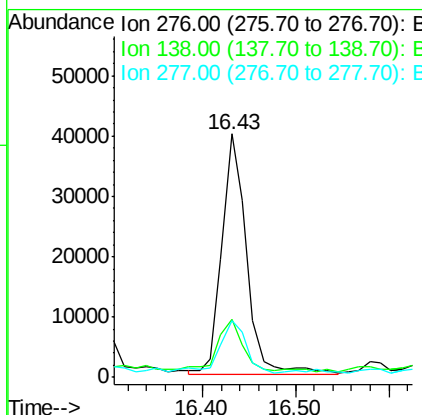
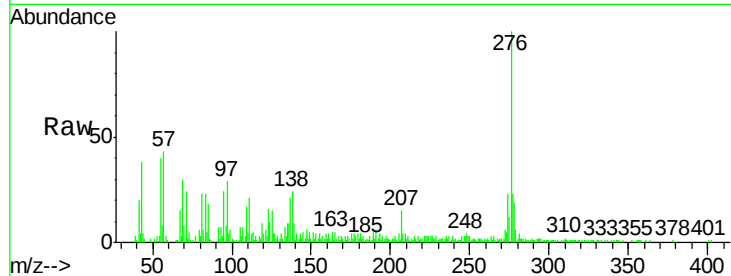




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.88 ng
 RT: 16.43 min Scan# 1255
 Delta R.T. -0.07 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

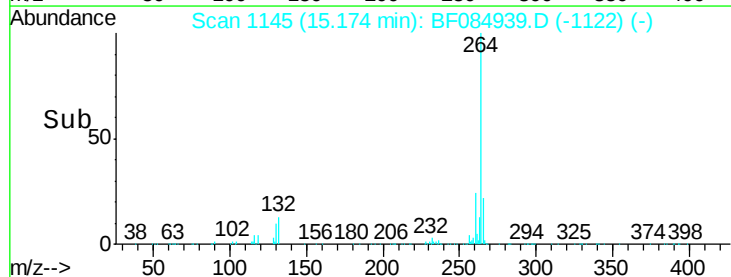
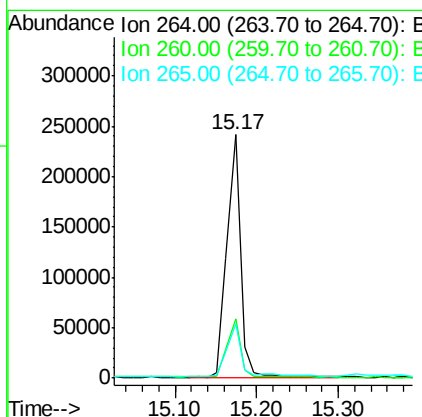
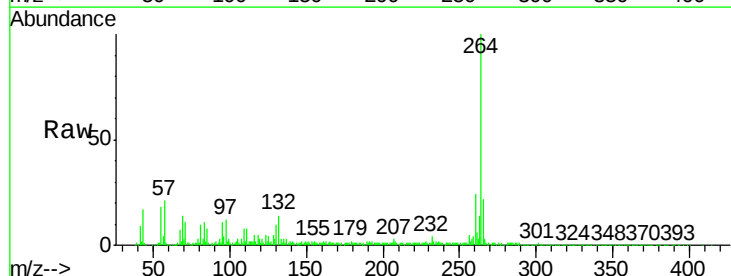
Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

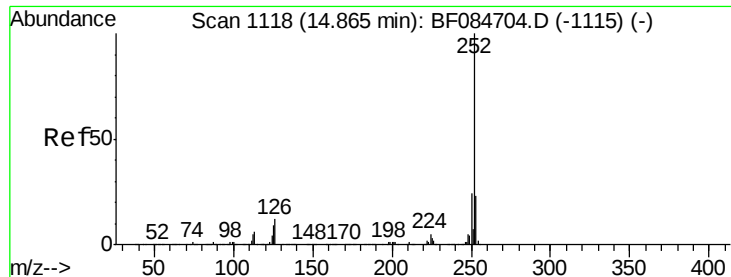
Tgt Ion:276 Resp: 72830
 Ion Ratio Lower Upper
 276 100
 138 22.7 20.6 30.8
 277 22.7 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Tgt Ion:264 Resp: 278977
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 22.2 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 10.17 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

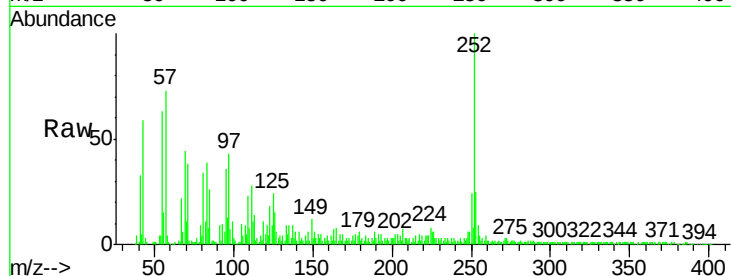
Tgt Ion:252 Resp: 190684

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

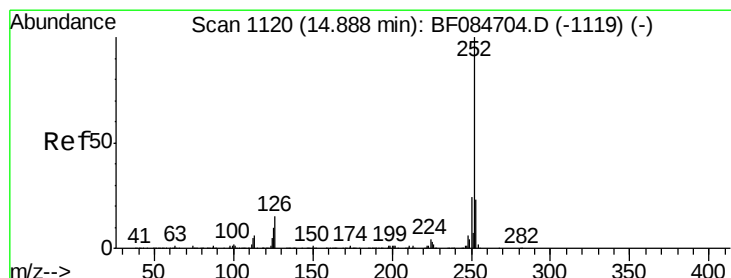
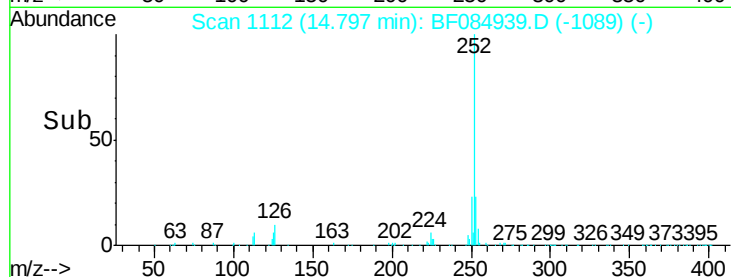
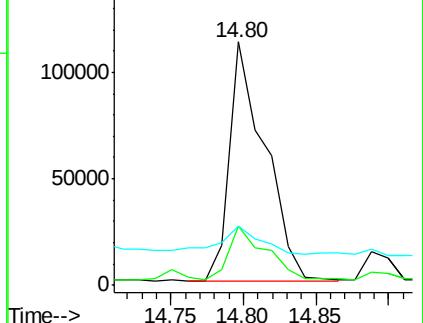
125 24.2 6.5 9.7#



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: 12.30 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

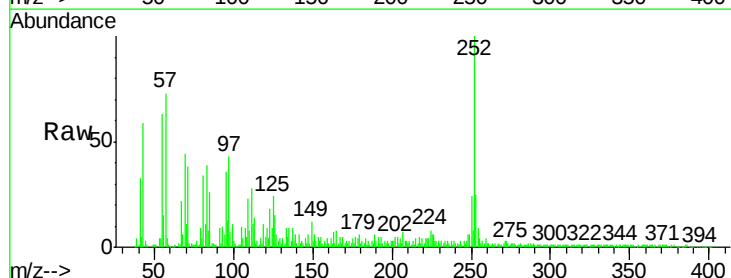
Tgt Ion:252 Resp: 190684

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

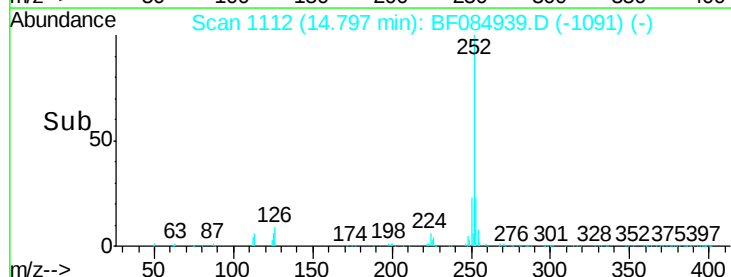
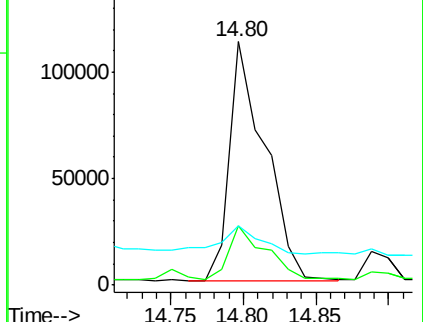
125 24.2 9.0 13.6#

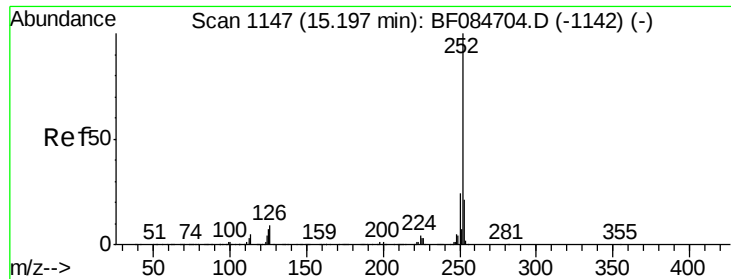


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.90 ng

RT: 15.12 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

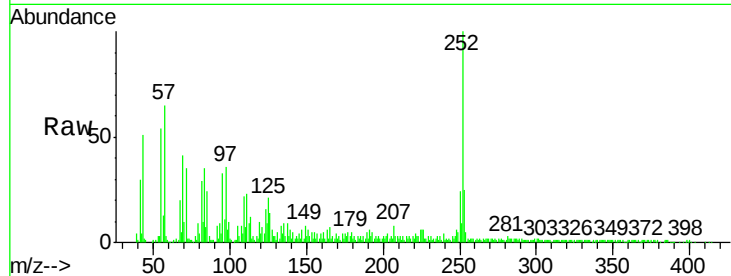
Tgt Ion:252 Resp: 94245

Ion Ratio Lower Upper

252 100

253 24.9 17.3 25.9

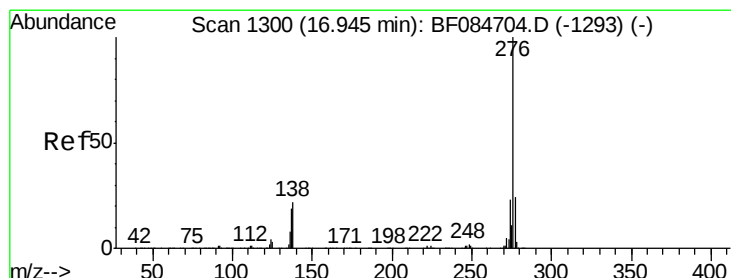
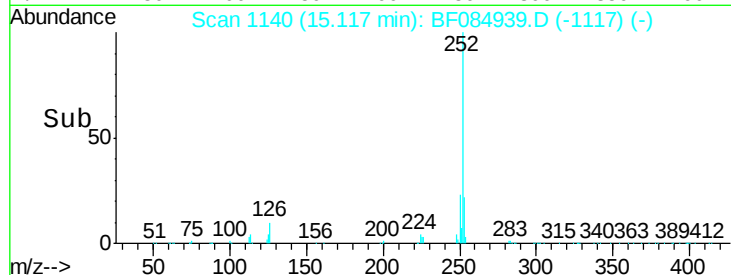
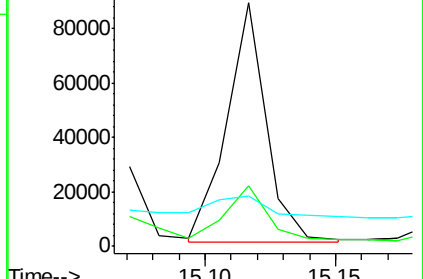
125 20.8 7.0 10.4#



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



#91

Benzo(g,h,i)perylene

Concen: 5.13 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.08 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

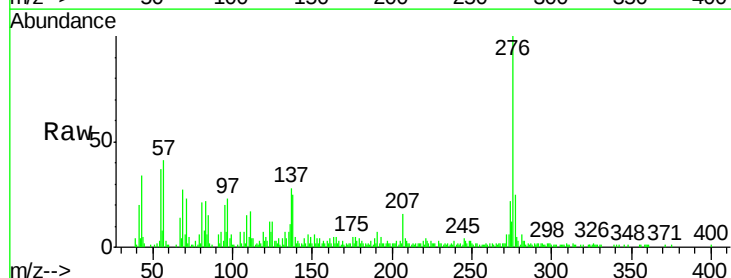
Tgt Ion:276 Resp: 69427

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 24.7 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

