

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062515\
 Data File : BF080183.D
 Acq On : 26 Jun 2015 00:55
 Operator : TP/IZ
 Sample : G2699-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Quant Time: Jun 26 03:14:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 26 01:01:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	29092	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	115939	20.00	ng	0.00
38) Acenaphthene-d10	10.36	164	64320	20.00	ng	0.00
63) Phenanthrene-d10	11.86	188	128862	20.00	ng	0.00
75) Chrysene-d12	14.77	240	136347	20.00	ng	-0.06
86) Perylene-d12	16.62	264	133337	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.90	112	264922	161.20	ng	0.00
7) Phenol-d6	6.89	99	342294	156.52	ng	-0.01
23) Nitrobenzene-d5	7.85	82	218840	109.89	ng	0.00
41) 2,4,6-Tribromophenol	11.16	330	104799	166.63	ng	0.00
44) 2-Fluorobiphenyl	9.66	172	401411	89.00	ng	-0.01
78) Terphenyl-d14	13.52	244	499838	85.62	ng	-0.02

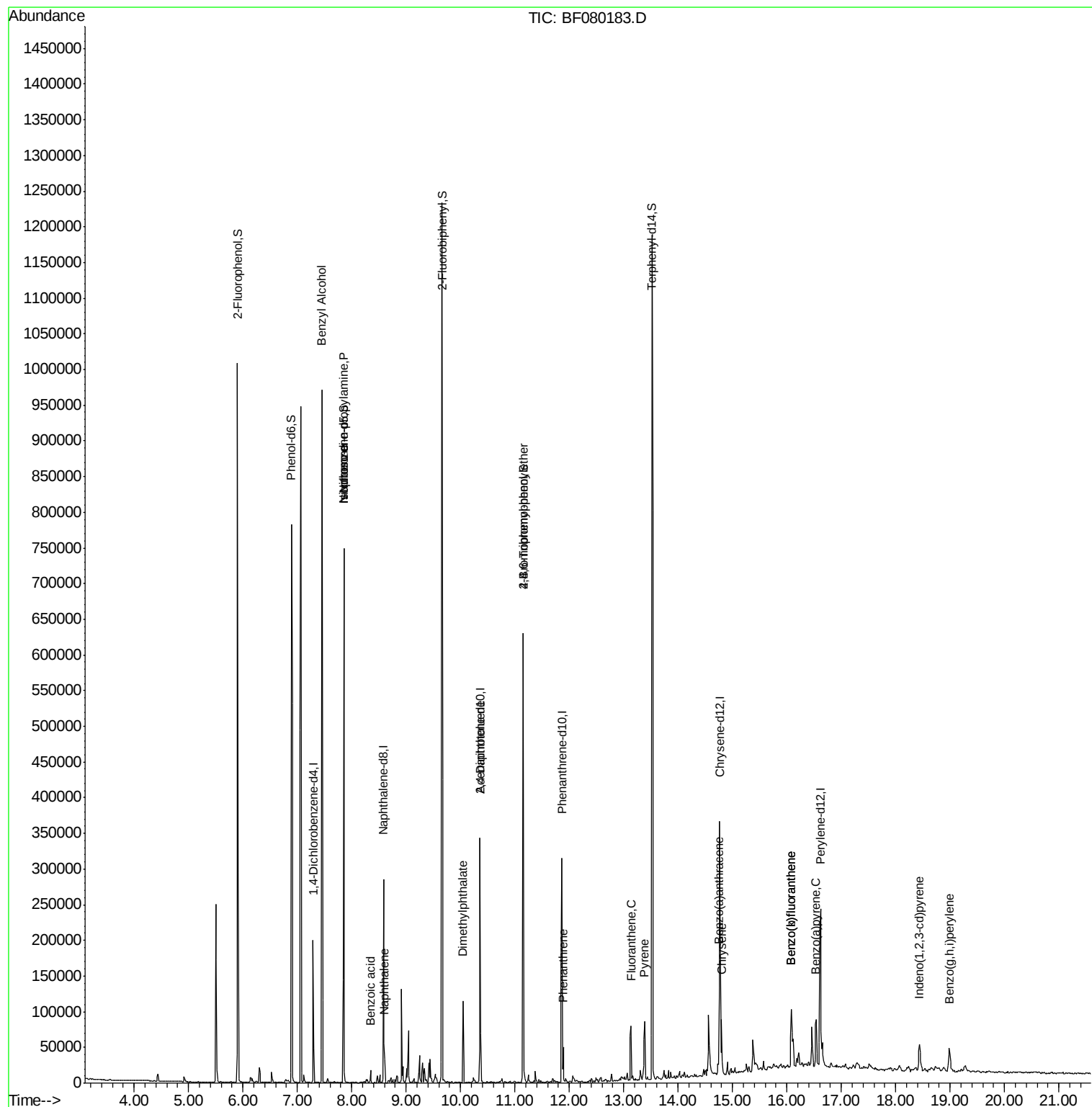
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.45	79	3924	2.19	ng	# 30
19) n-Nitroso-di-n-propylamine	7.85	70	28273	18.62	ng	# 56
25) Isophorone	7.85	82	185358	46.25	ng	# 58
31) Naphthalene	8.61	128	13408	2.21	ng	98
32) Benzoic acid	8.34	122	3664	3.38	ng	# 30
49) Dimethylphthalate	10.05	163	43743	9.05	ng	# 97
56) 2,4-Dinitrotoluene	10.36	165	8248	6.70	ng	# 31
66) 4-Bromophenyl-phenylether	11.16	248	6979	5.09	ng	# 1
70) Phenanthrene	11.89	178	17387	2.23	ng	97
74) Fluoranthene	13.13	202	44490	5.35	ng	87
77) Pyrene	13.38	202	43809	5.22	ng	97
80) Benzo(a)anthracene	14.76	228	38908	4.68	ng	94
82) Chrysene	14.80	228	32491	4.24	ng	95
85) Indeno(1,2,3-cd)pyrene	18.44	276	34574	3.58	ng	# 84
87) Benzo(b)fluoranthene	16.08	252	74926	9.28	ng	# 87
88) Benzo(k)fluoranthene	16.08	252	74926	9.11	ng	# 88
89) Benzo(a)pyrene	16.54	252	44651	5.82	ng	# 85
91) Benzo(g,h,i)perylene	18.99	276	34434	4.35	ng	# 78

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

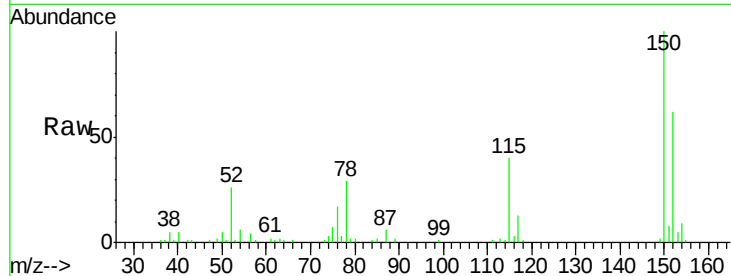
Tgt Ion:152 Resp: 29092

Ion Ratio Lower Upper

152 100

150 160.4 124.7 187.1

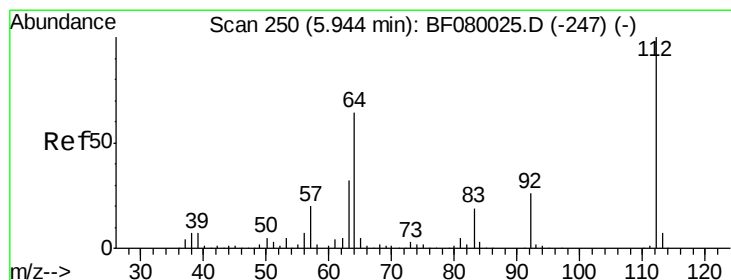
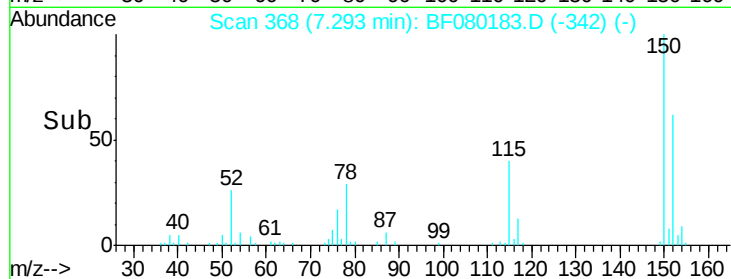
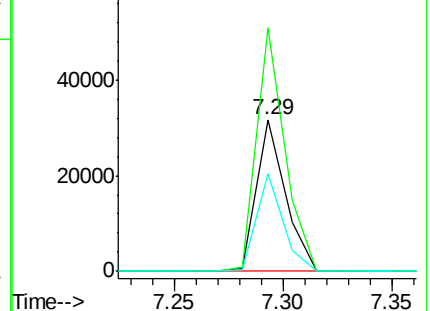
115 64.8 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 161.20 ng

RT: 5.90 min Scan# 246

Delta R.T. -0.00 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

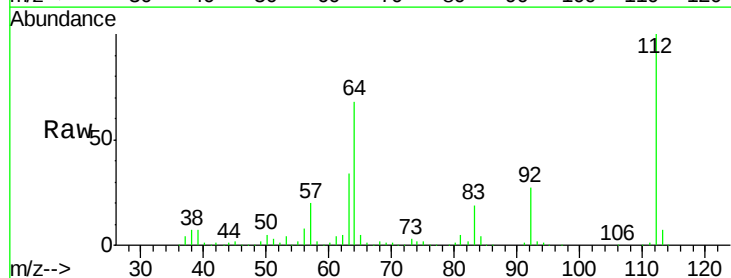
Tgt Ion:112 Resp: 264922

Ion Ratio Lower Upper

112 100

64 67.8 39.7 59.5#

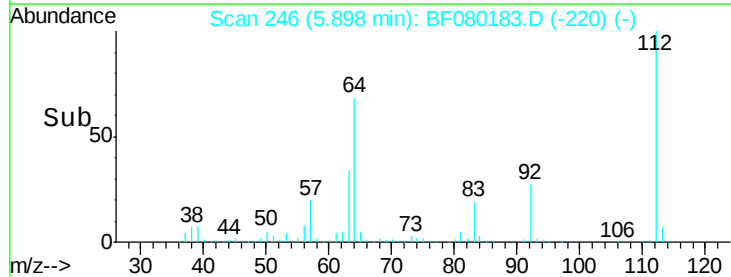
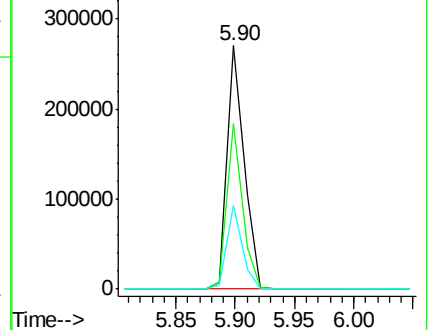
63 34.1 17.4 26.0#

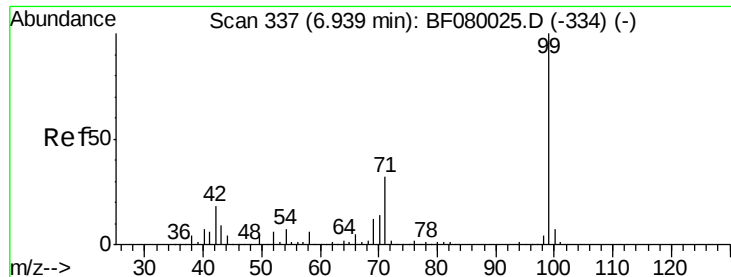


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 156.52 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF080183.D

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ClientSampleId :

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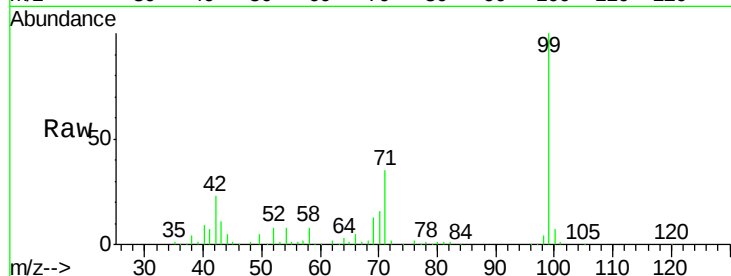
Tgt Ion: 99 Resp: 342294

Ion Ratio Lower Upper

99 100

42 22.6 13.7 20.5#

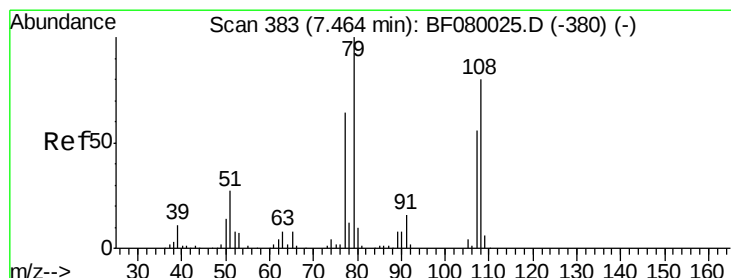
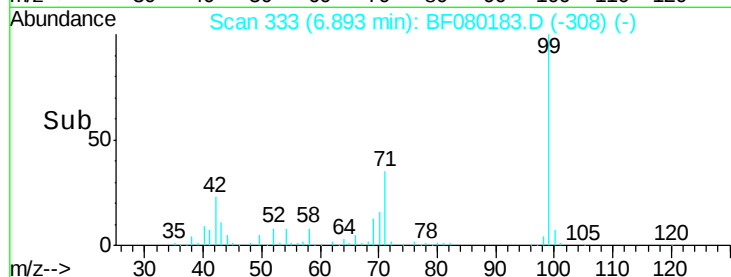
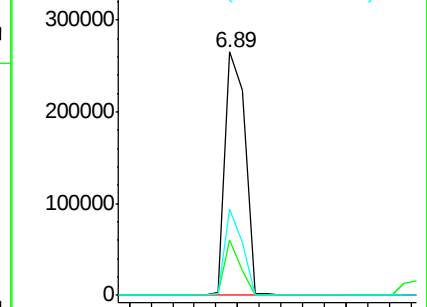
71 35.2 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 7.45 min Scan# 382

Delta R.T. 0.03 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

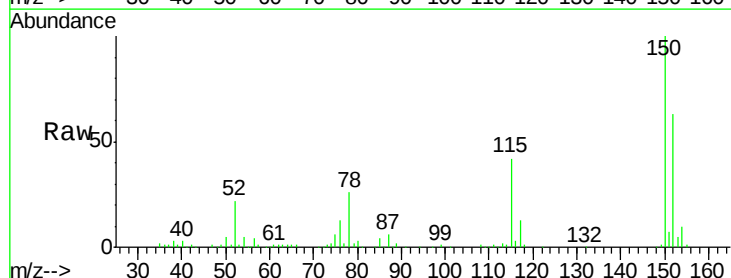
Tgt Ion: 79 Resp: 3924

Ion Ratio Lower Upper

79 100

108 30.7 88.6 132.8#

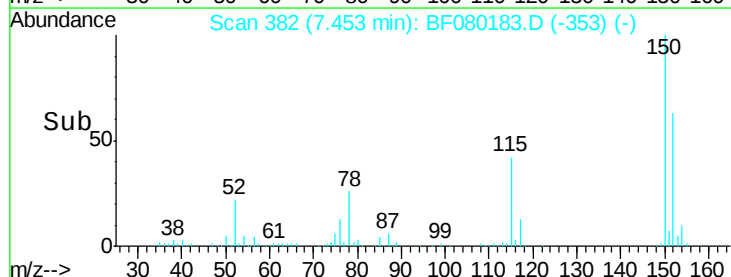
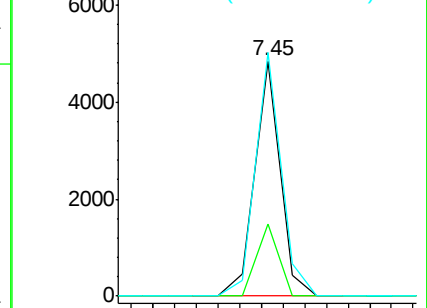
77 103.6 47.0 70.4#

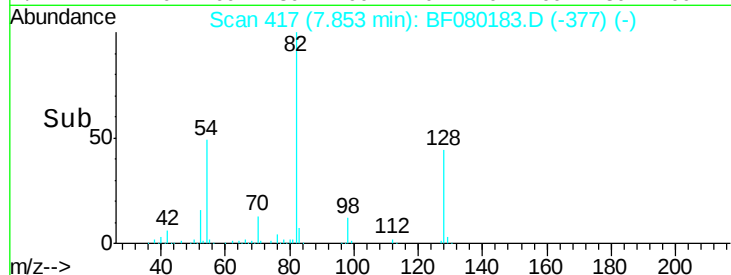
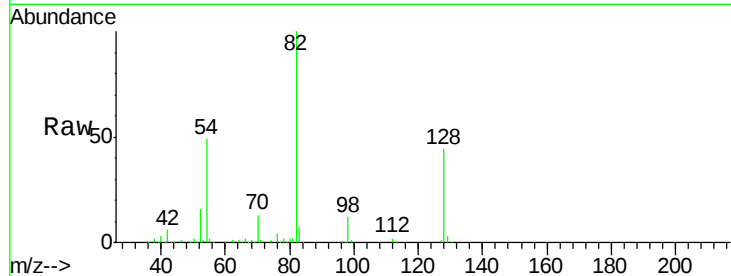
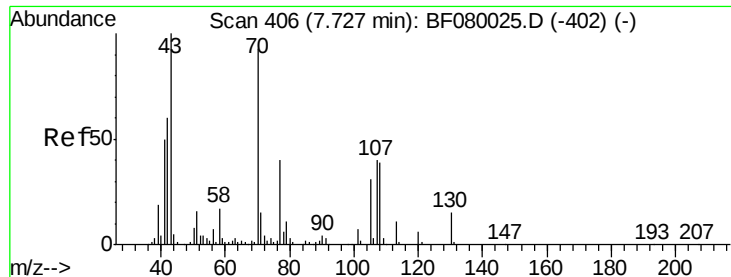


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

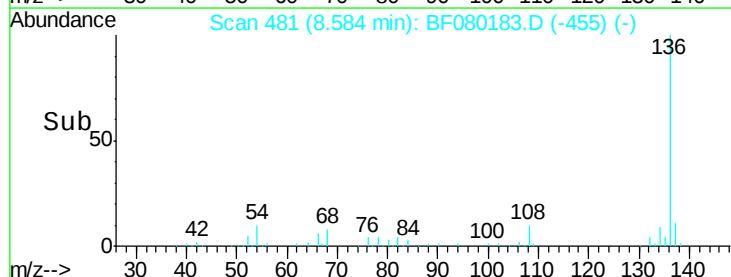
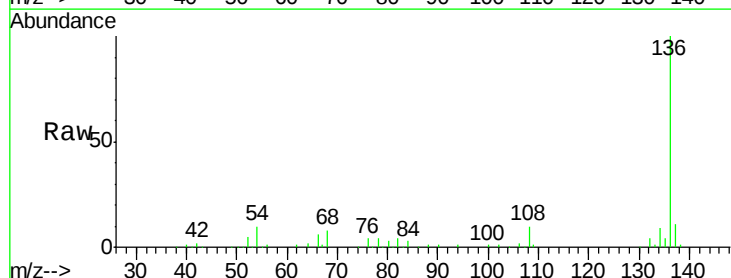
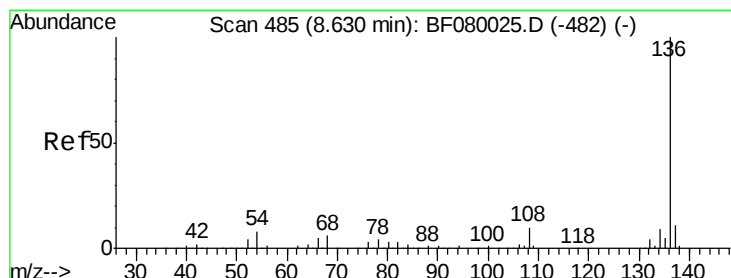
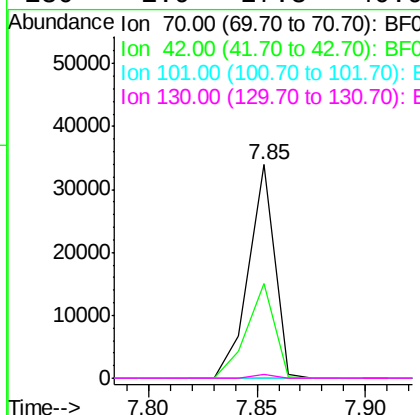




#19
n-Nitroso-di-n-propylamine
Concen: 18.62 ng
RT: 7.85 min Scan# 417
Delta R.T. 0.16 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

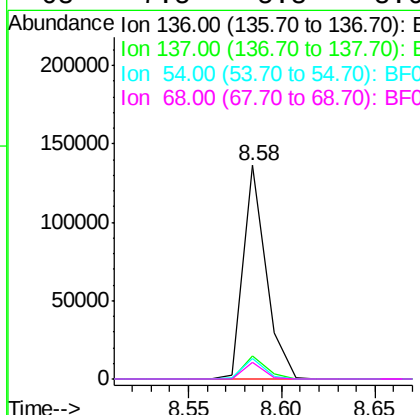
Instrument :
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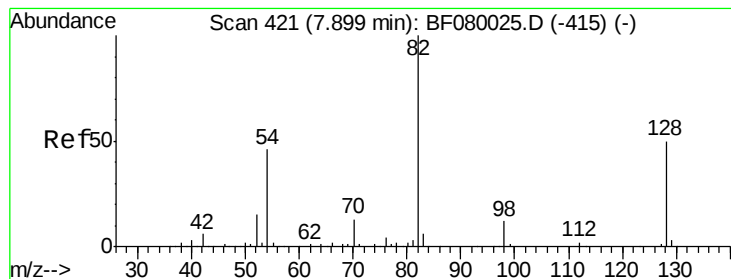
Tgt Ion: 70 Resp: 28273
Ion Ratio Lower Upper
70 100
42 44.2 63.8 95.6#
101 0.0 9.2 13.8#
130 1.9 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 481
Delta R.T. -0.00 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Tgt Ion: 136 Resp: 115939
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 9.7 8.2 12.2
68 7.5 5.8 8.6





#23

Nitrobenzene-d5

Concen: 109.89 ng

RT: 7.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

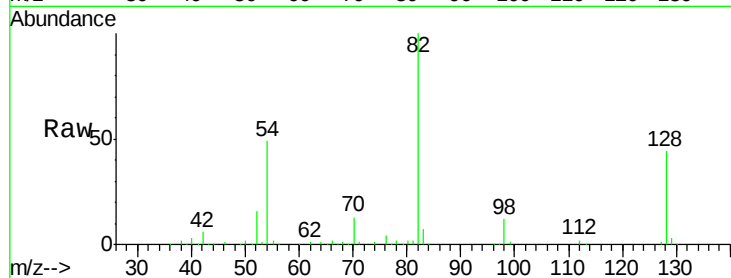
Tgt Ion: 82 Resp: 218840

Ion Ratio Lower Upper

82 100

128 44.4 51.0 76.6#

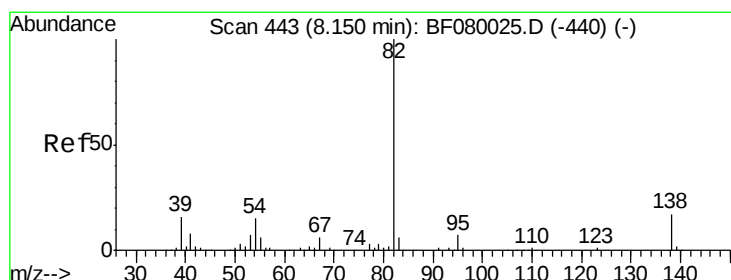
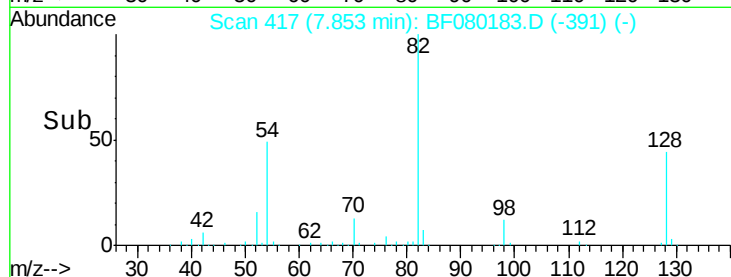
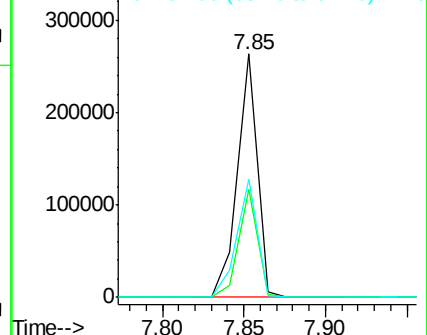
54 48.7 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 46.25 ng

RT: 7.85 min Scan# 417

Delta R.T. -0.26 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

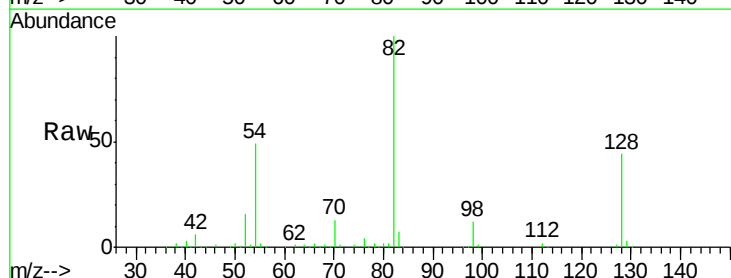
Tgt Ion: 82 Resp: 185358

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

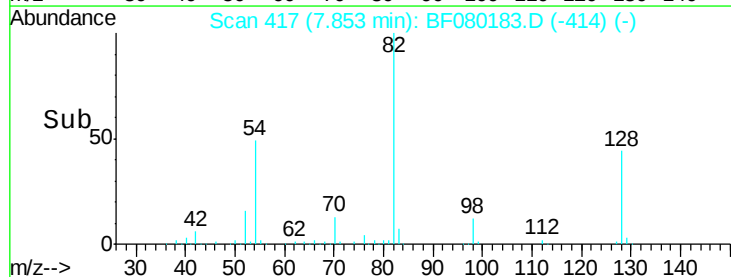
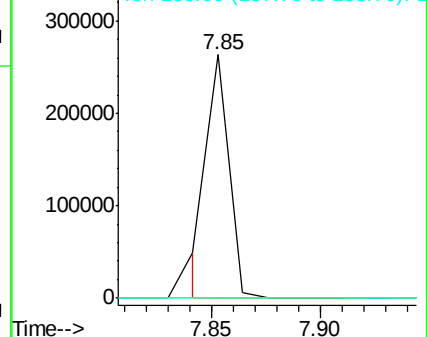
138 0.0 18.3 27.5#

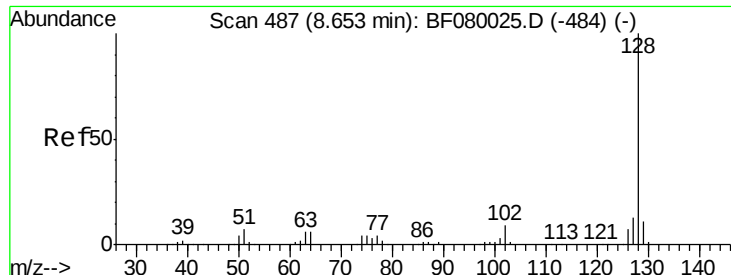


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

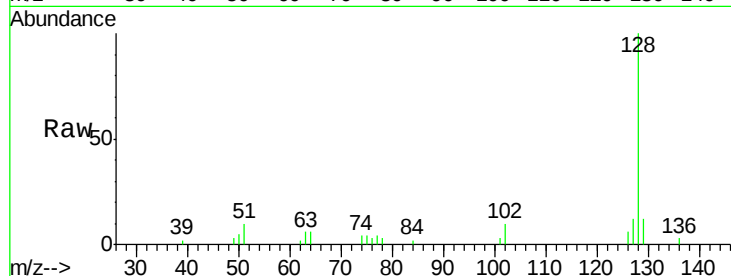




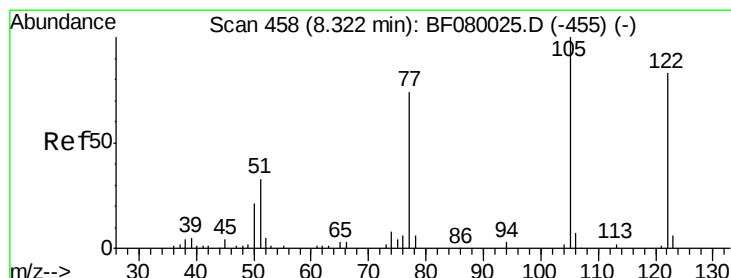
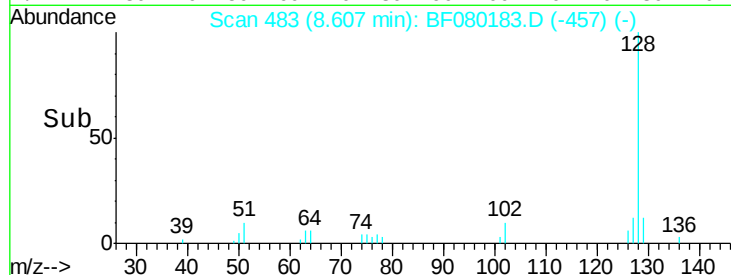
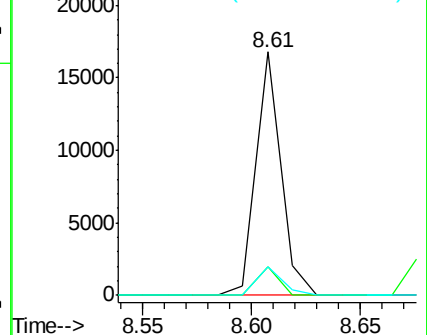
#31
Naphthalene
Concen: 2.21 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.00 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Instrument :
BNA_F
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Tgt Ion:128 Resp: 13408
Ion Ratio Lower Upper
128 100
129 11.7 8.4 12.6
127 11.9 9.9 14.9

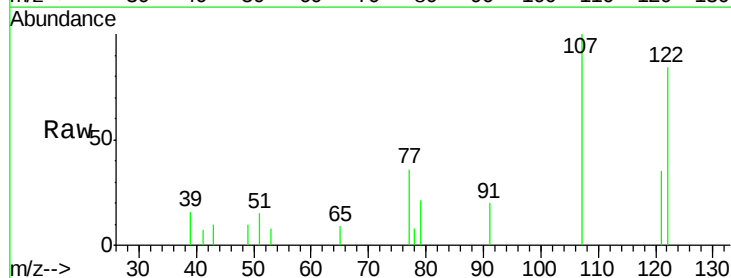


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

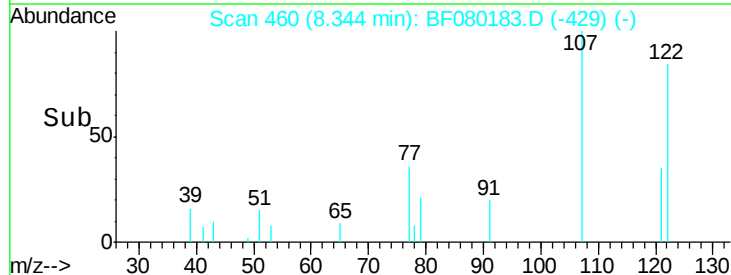
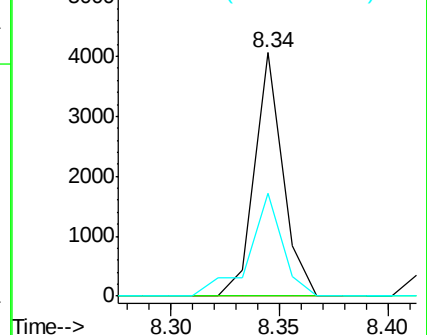


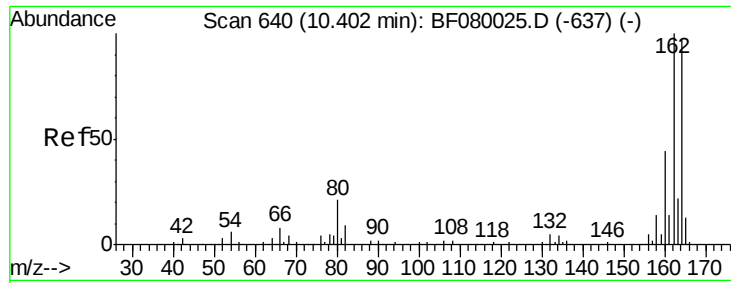
#32
Benzoic acid
Concen: 3.38 ng
RT: 8.34 min Scan# 460
Delta R.T. 0.06 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Tgt Ion:122 Resp: 3664
Ion Ratio Lower Upper
122 100
105 0.0 76.1 116.1#
77 42.4 40.5 80.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

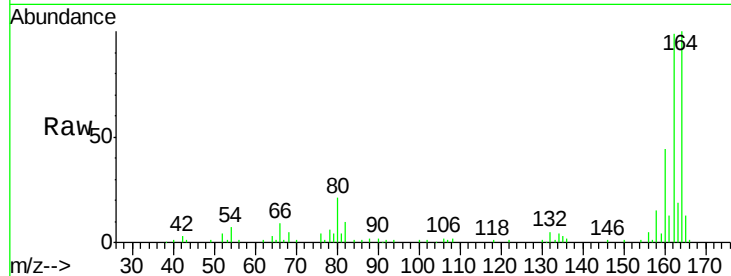




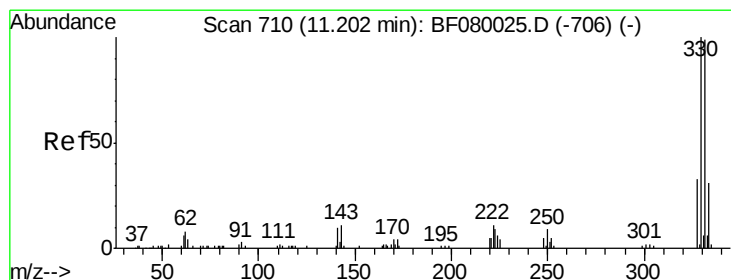
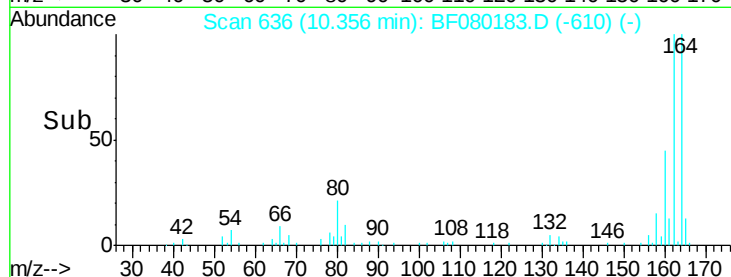
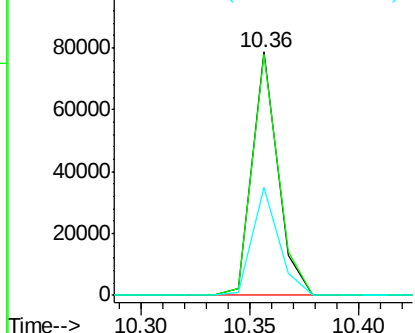
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion:164 Resp: 64320
 Ion Ratio Lower Upper
 164 100
 162 98.9 75.2 112.8
 160 44.1 31.5 47.3

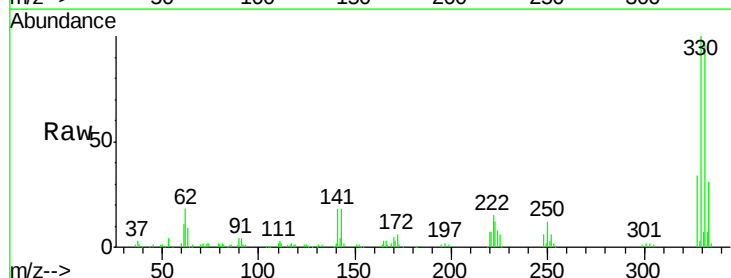


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

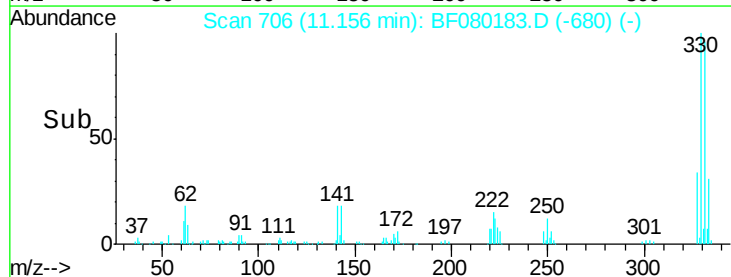
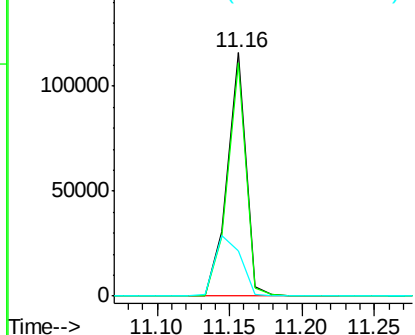


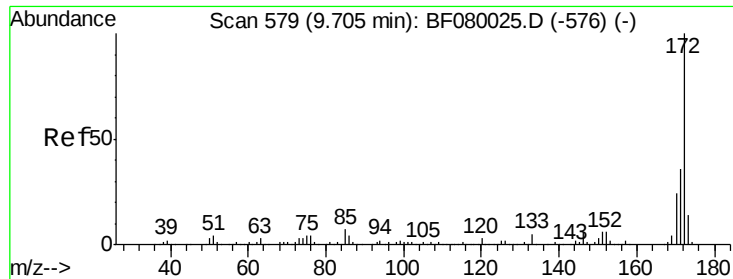
#41
 2,4,6-Tribromophenol
 Concen: 166.63 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion:330 Resp: 104799
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 34.0 29.7 44.5



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

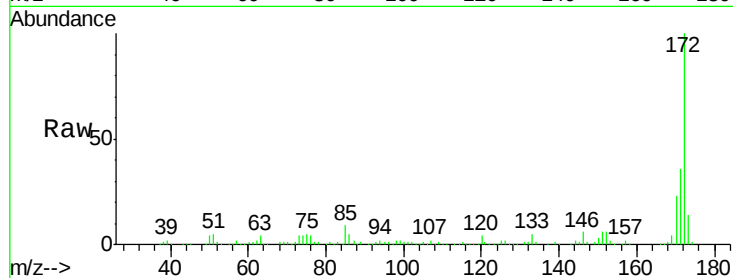




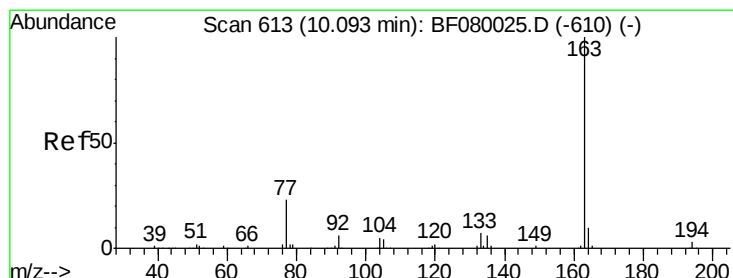
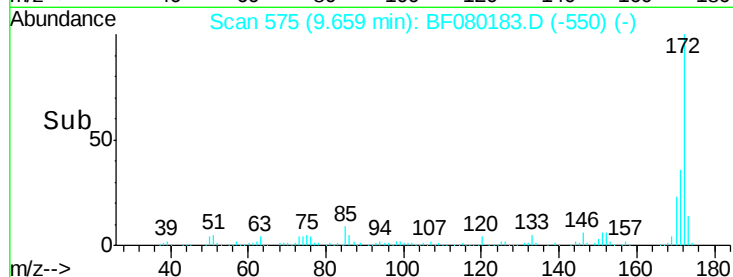
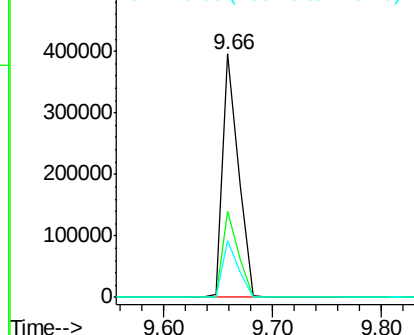
#44
 2-Fluorobiphenyl
 Concen: 89.00 ng
 RT: 9.66 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion:172 Resp: 401411
 Ion Ratio Lower Upper
 172 100
 171 35.6 26.1 39.1
 170 23.4 17.4 26.2

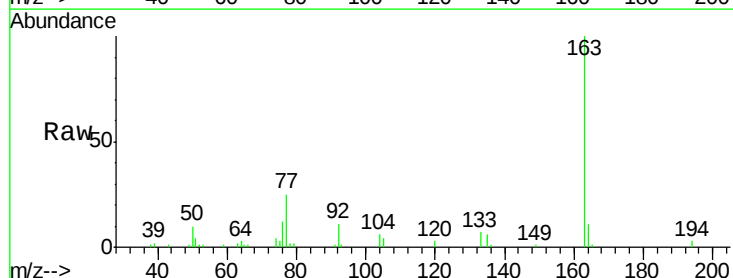


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

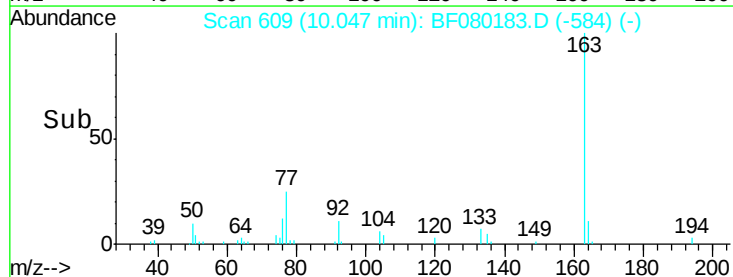
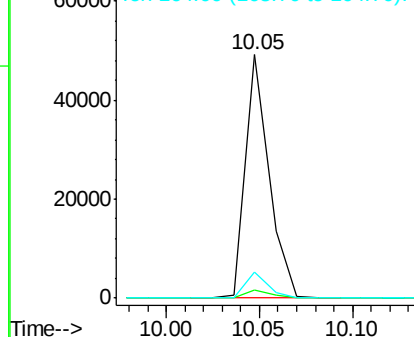


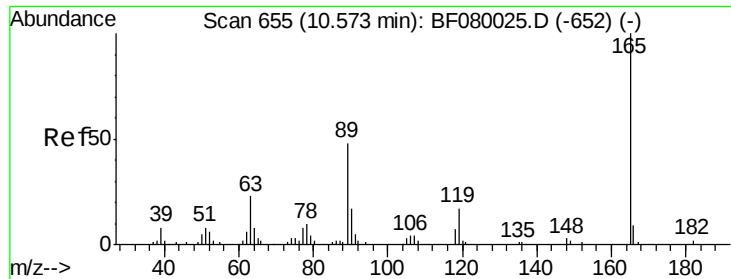
#49
 Dimethylphthalate
 Concen: 9.05 ng
 RT: 10.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion:163 Resp: 43743
 Ion Ratio Lower Upper
 163 100
 194 3.3 4.4 6.6#
 164 10.6 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

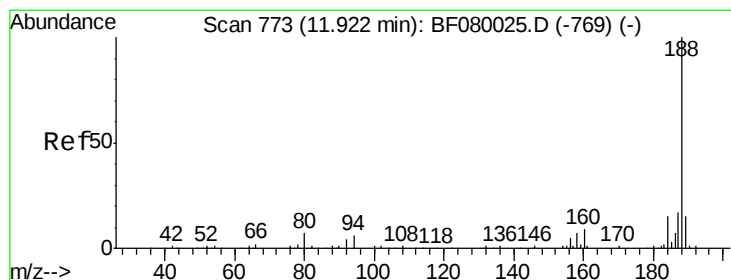
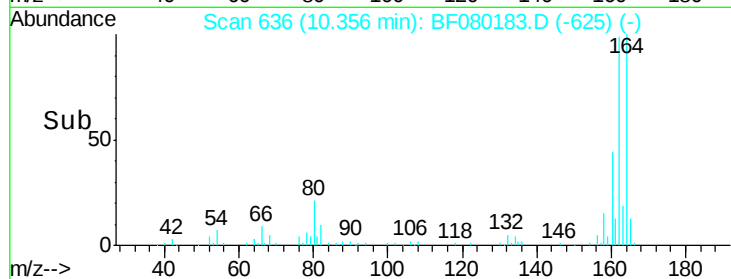
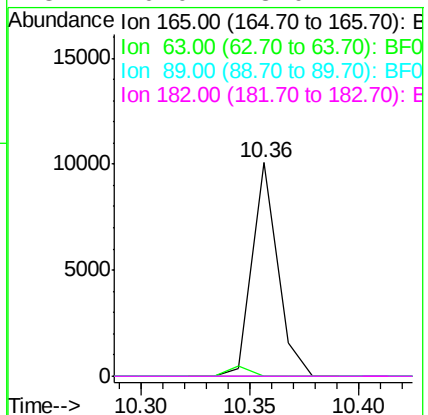
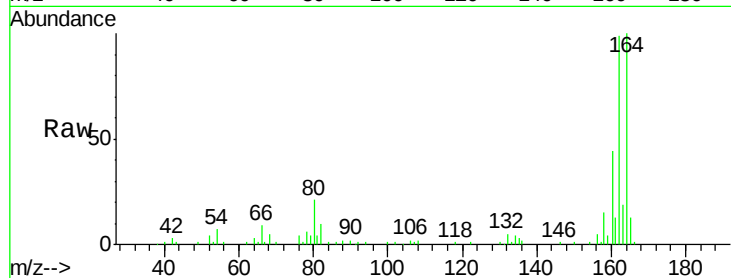




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 10.36 min Scan# 636
 Delta R.T. -0.17 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

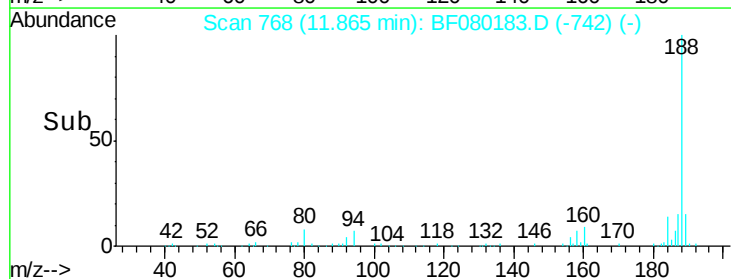
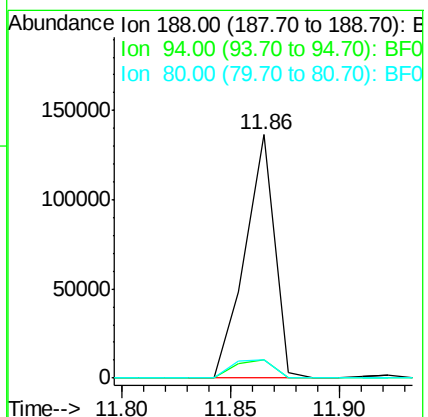
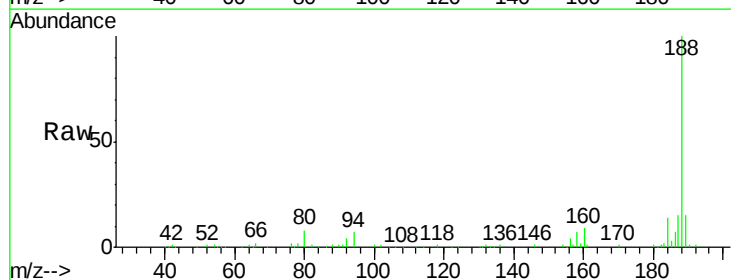
Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

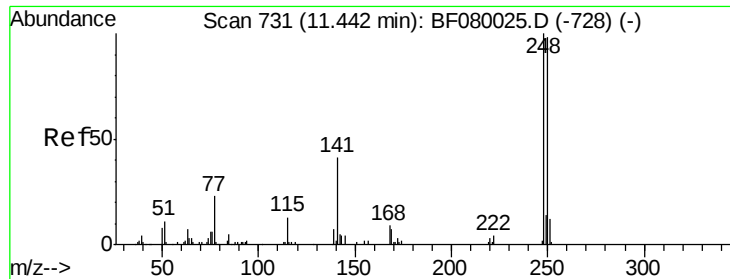
Tgt Ion:	165	Resp:	8248
Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.8	44.6#
89	0.0	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.86 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion:	188	Resp:	128862
Ion	Ratio	Lower	Upper
188	100		
94	7.3	11.1	16.7#
80	7.6	11.0	16.4#

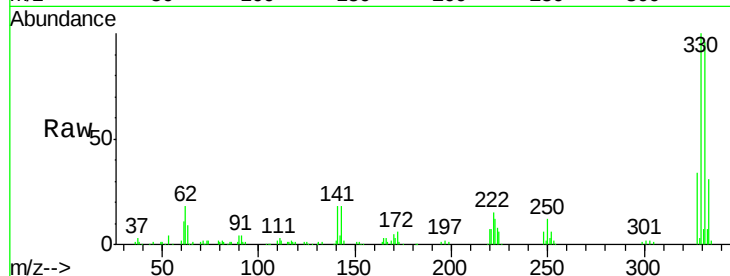




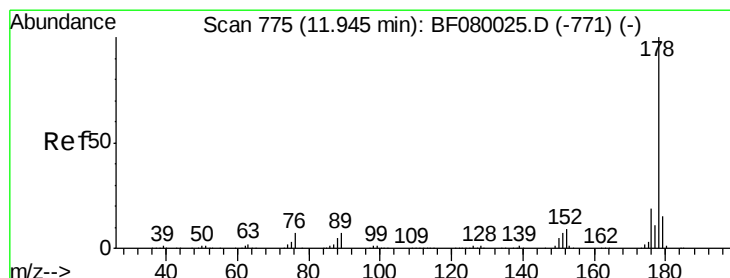
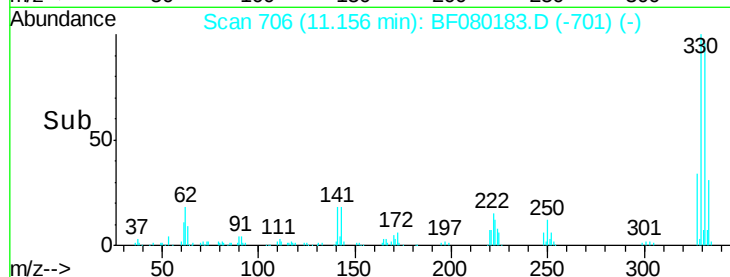
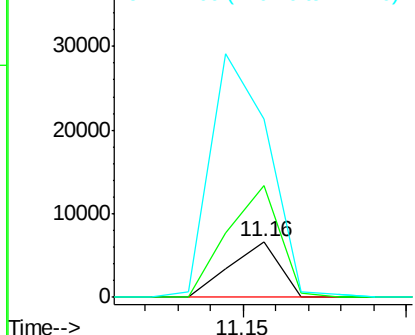
#66
 4-Bromophenyl-phenylether
 Concen: 5.09 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.24 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion:248 Resp: 6979
 Ion Ratio Lower Upper
 248 100
 250 199.9 78.5 117.7#
 141 318.4 59.0 88.6#

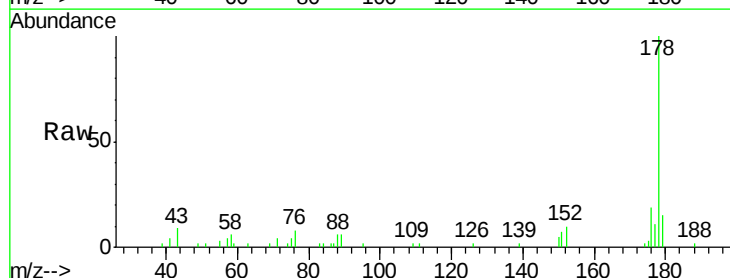


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

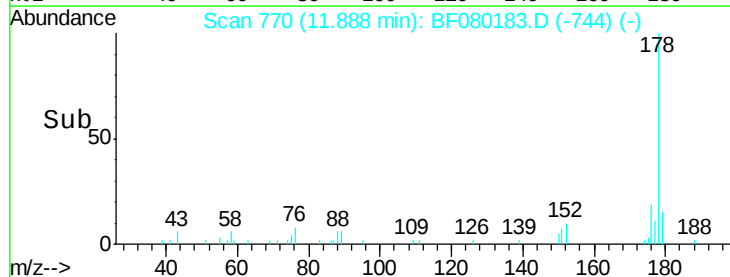
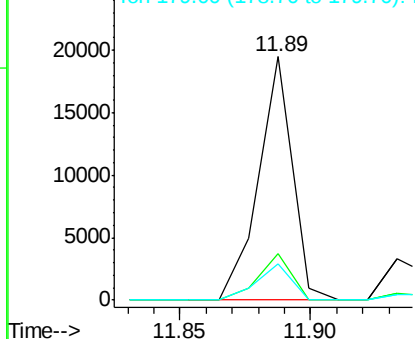


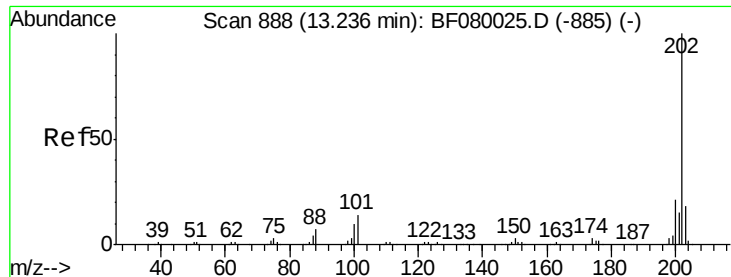
#70
 Phenanthrene
 Concen: 2.23 ng
 RT: 11.89 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion:178 Resp: 17387
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.8 20.8
 179 14.8 12.2 18.2



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





#74

Fluoranthene

Concen: 5.35 ng

RT: 13.13 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

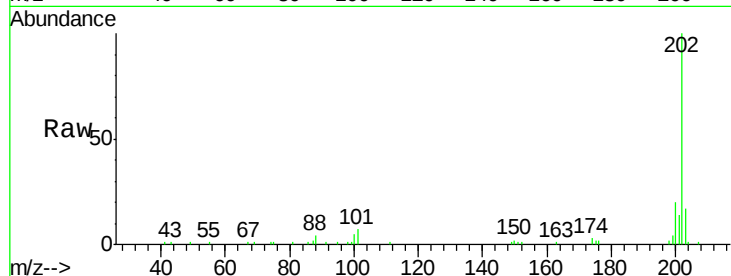
Tgt Ion:202 Resp: 44490

Ion Ratio Lower Upper

202 100

101 7.2 0.0 38.3

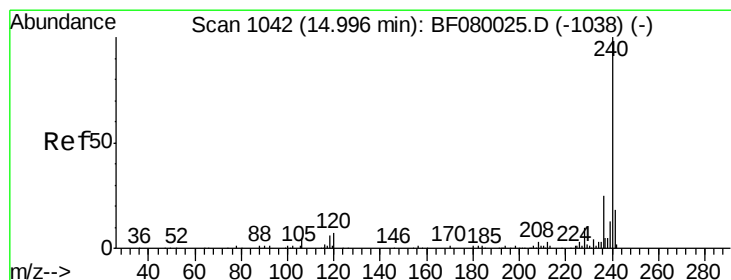
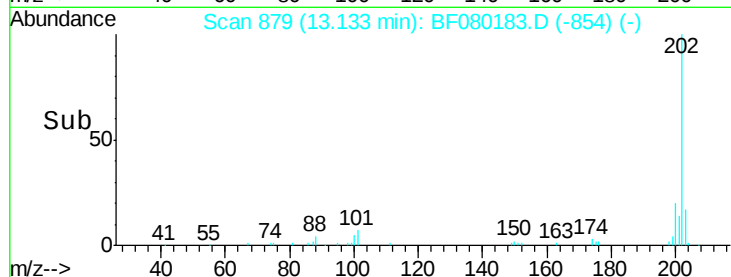
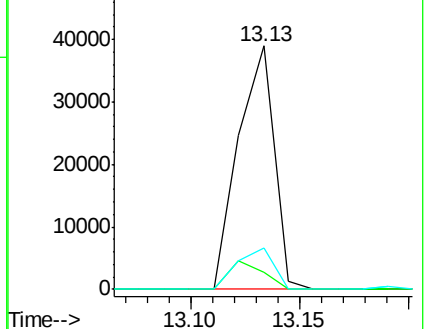
203 16.9 0.0 37.3



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: 14.77 min Scan# 1022

Delta R.T. -0.06 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

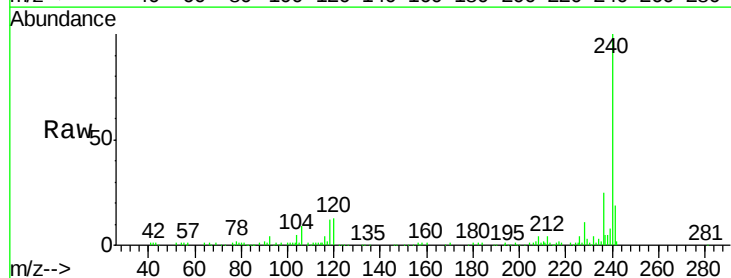
Tgt Ion:240 Resp: 136347

Ion Ratio Lower Upper

240 100

120 12.5 16.2 24.2#

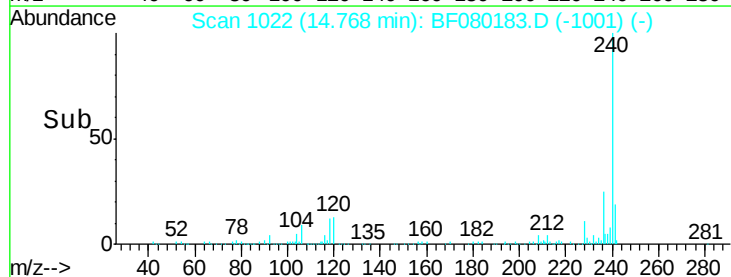
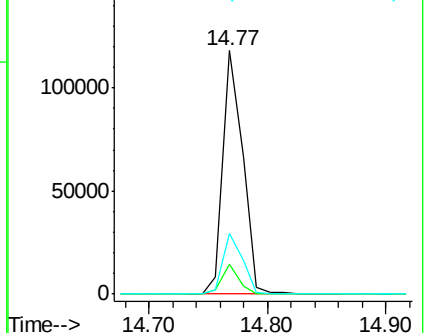
236 25.1 18.4 27.6

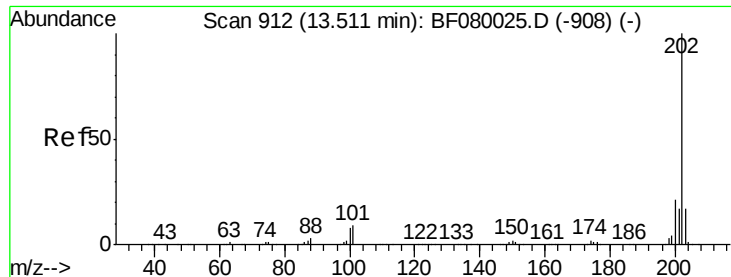


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

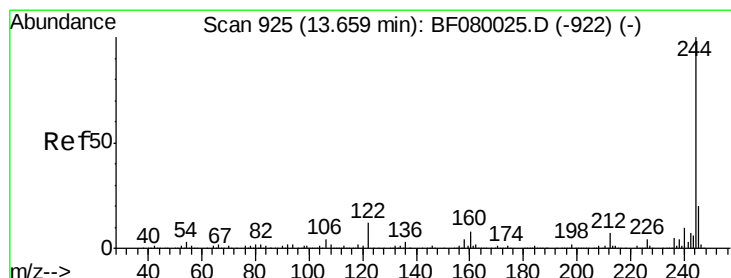
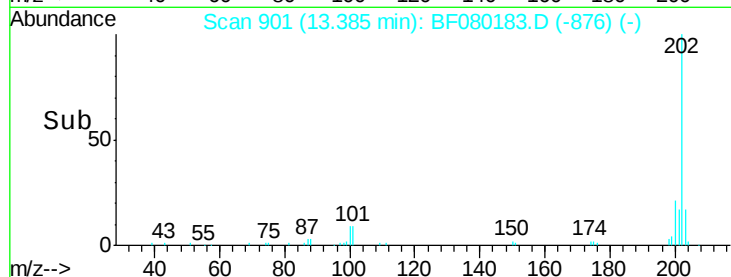
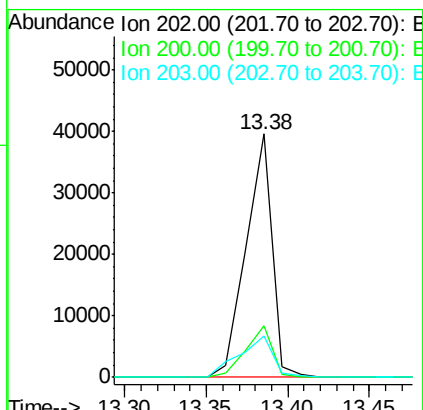
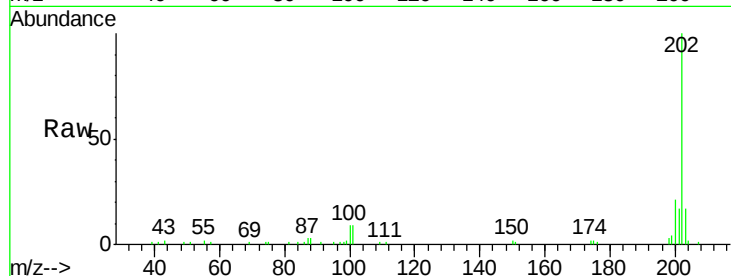




#77
 Pyrene
 Concen: 5.22 ng
 RT: 13.38 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

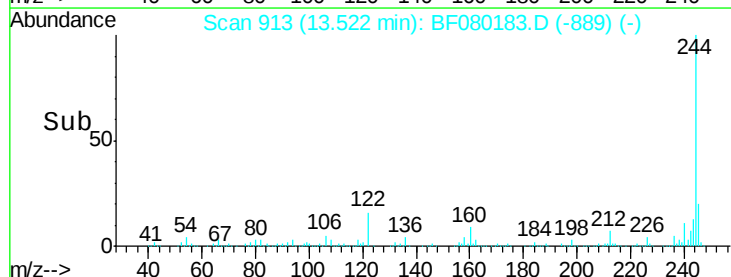
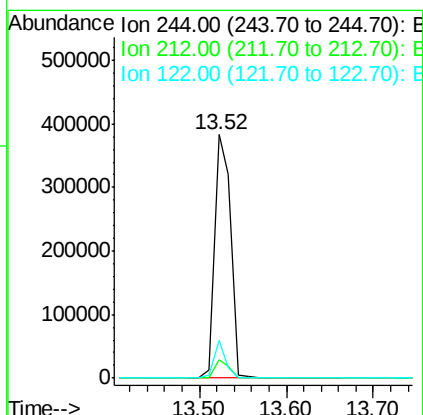
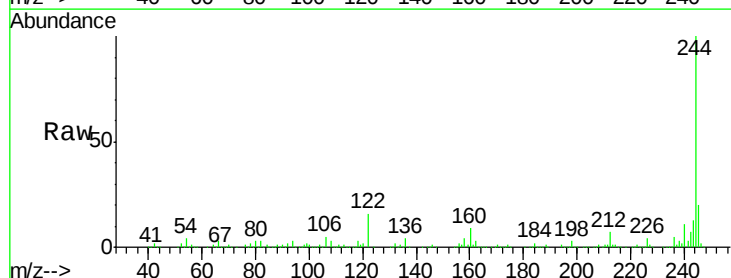
Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

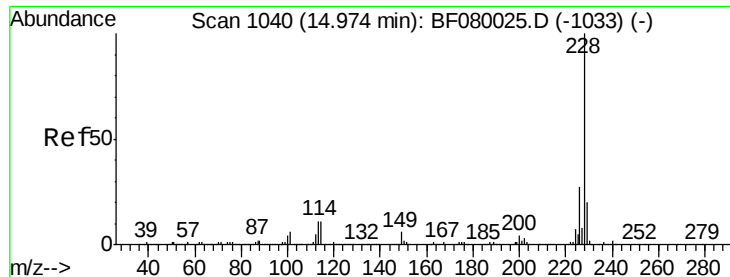
Tgt Ion:202 Resp: 43809
 Ion Ratio Lower Upper
 202 100
 200 21.1 15.0 22.4
 203 17.0 14.1 21.1



#78
 Terphenyl-d14
 Concen: 85.62 ng
 RT: 13.52 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion:244 Resp: 499838
 Ion Ratio Lower Upper
 244 100
 212 7.4 4.3 6.5#
 122 15.6 17.4 26.2#





#80

Benzo(a)anthracene

Concen: 4.68 ng

RT: 14.76 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

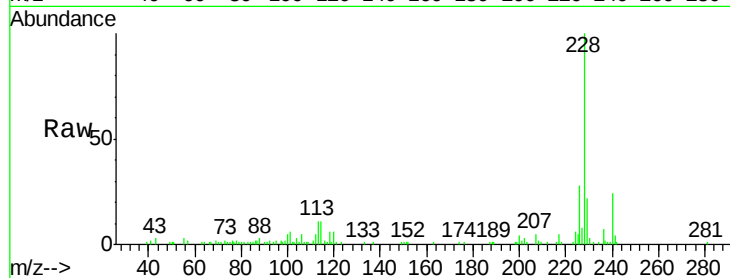
Tgt Ion:228 Resp: 38908

Ion Ratio Lower Upper

228 100

226 27.7 20.0 30.0

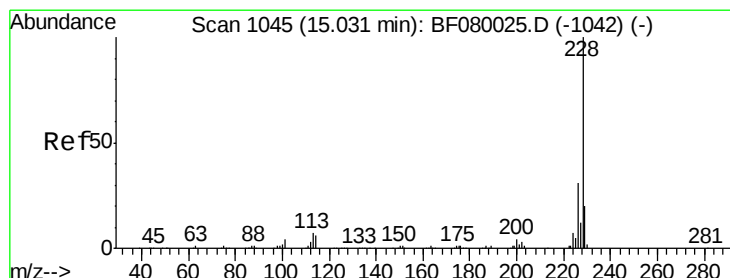
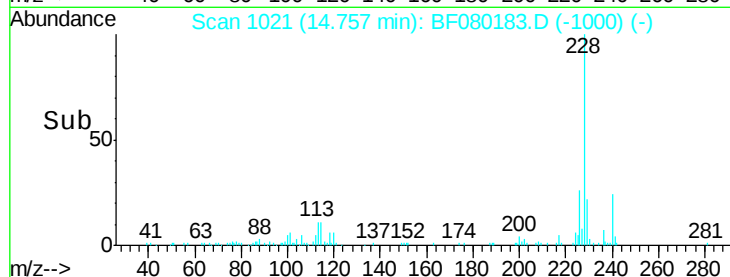
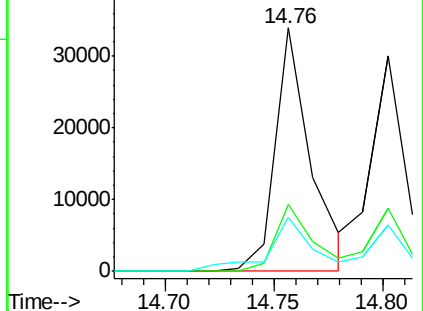
229 22.1 15.4 23.2



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: 4.24 ng

RT: 14.80 min Scan# 1025

Delta R.T. -0.06 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

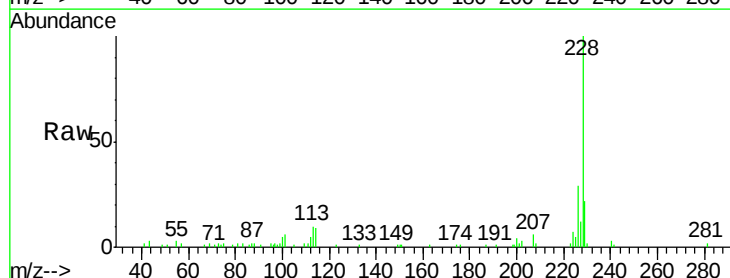
Tgt Ion:228 Resp: 32491

Ion Ratio Lower Upper

228 100

226 29.1 21.0 31.4

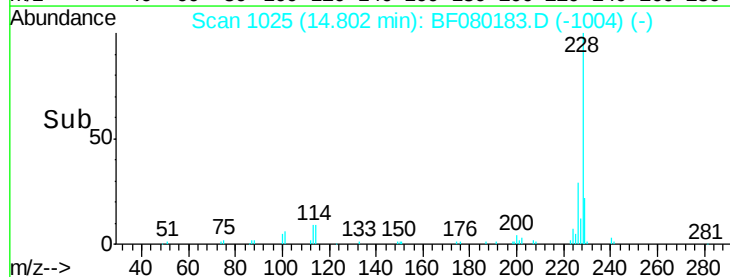
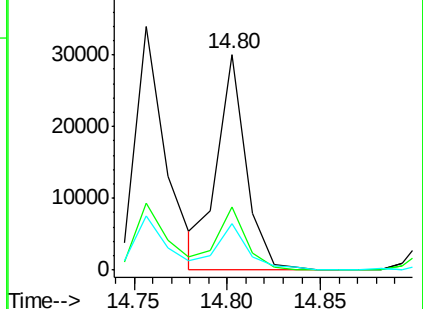
229 21.6 15.6 23.4

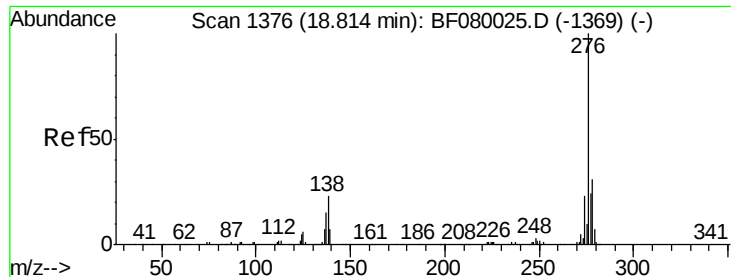


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

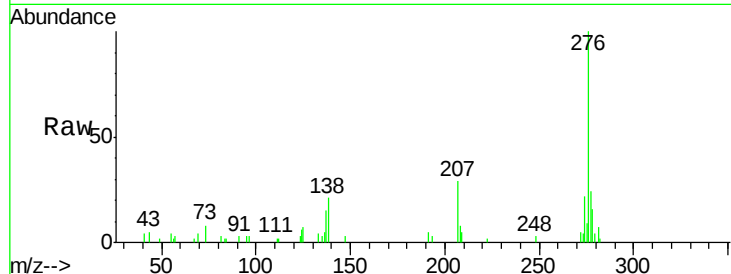




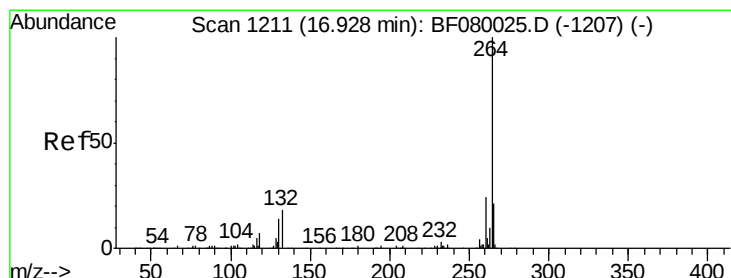
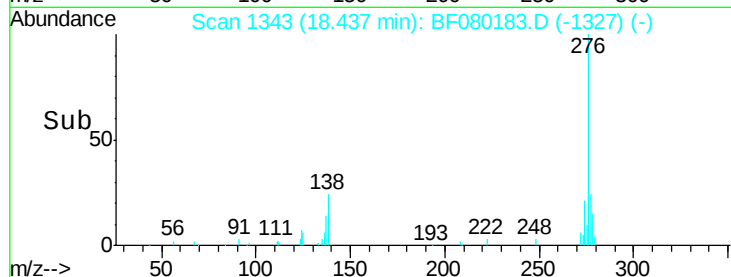
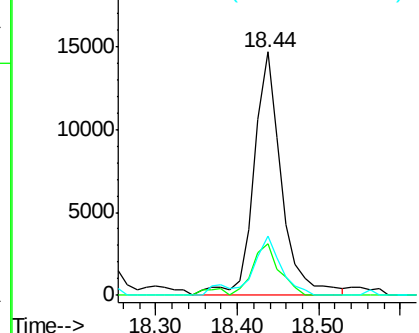
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.58 ng
 RT: 18.44 min Scan# 1343
 Delta R.T. -0.11 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion: 276 Resp: 34574
 Ion Ratio Lower Upper
 276 100
 138 20.2 25.7 38.5#
 277 22.9 15.6 23.4

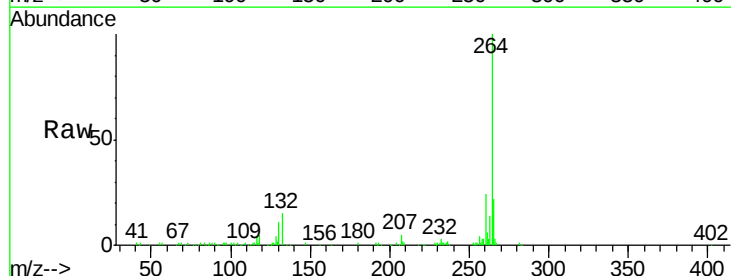


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

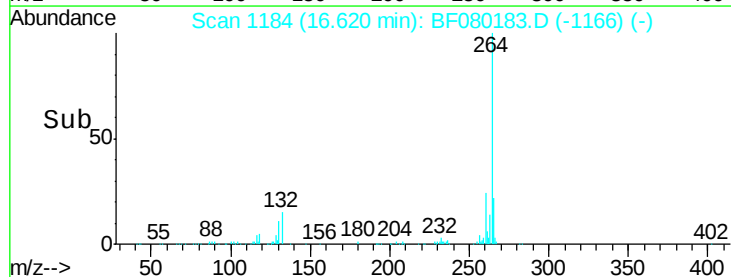
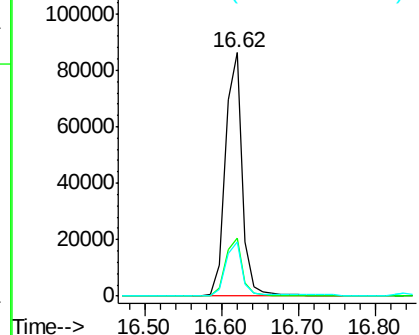


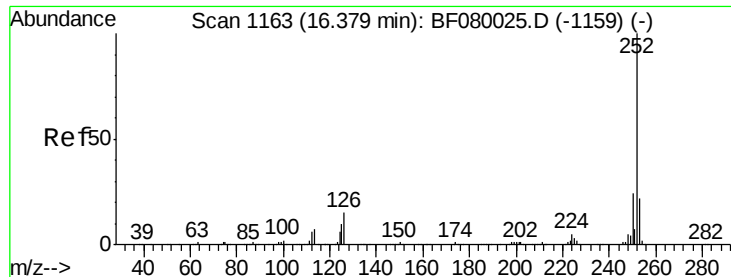
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.62 min Scan# 1184
 Delta R.T. -0.09 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion: 264 Resp: 133337
 Ion Ratio Lower Upper
 264 100
 260 23.8 16.7 25.1
 265 22.2 17.2 25.8



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

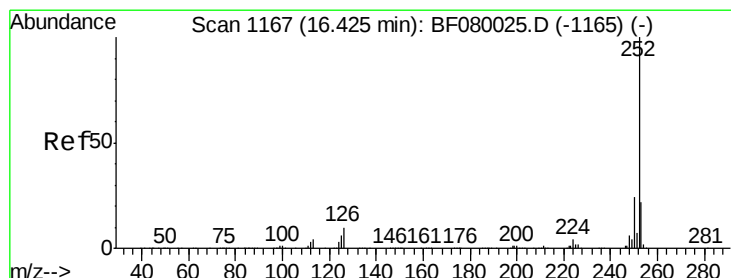
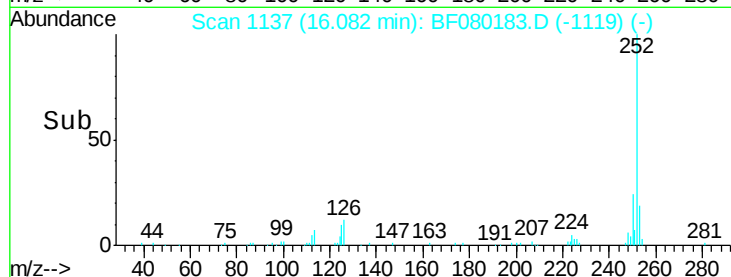
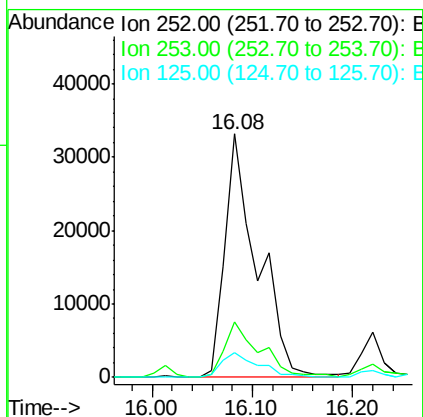
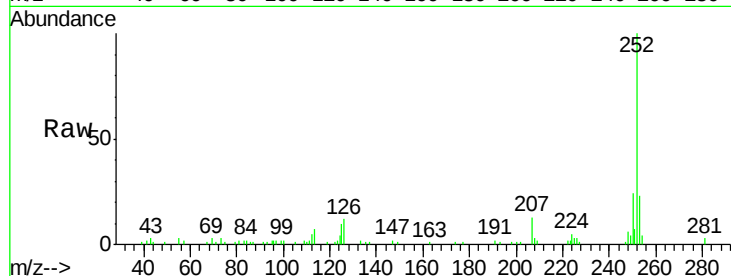




#87
Benzo(b)fluoranthene
Concen: 9.28 ng
RT: 16.08 min Scan# 1137
Delta R.T. -0.09 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

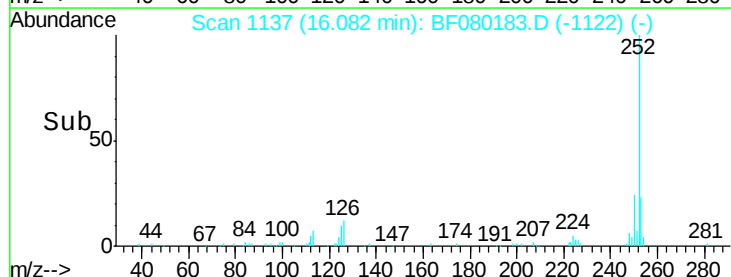
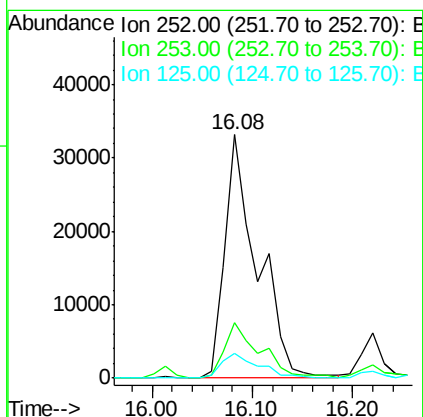
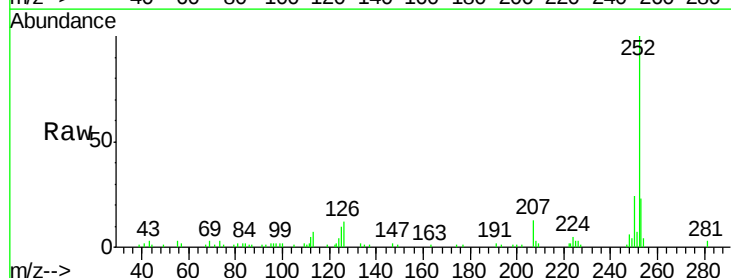
Instrument :
BNA_F
ClientSampleId :
LAR9819RE

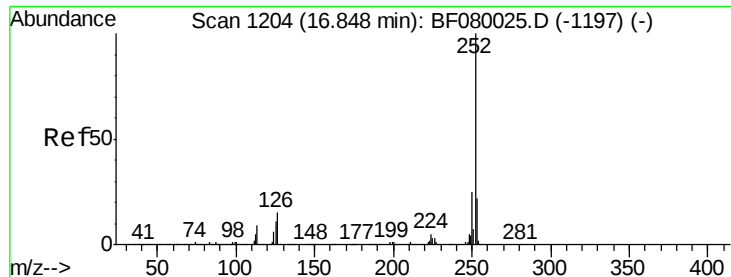
Tgt Ion: 252 Resp: 74926
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.1 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 9.11 ng
RT: 16.08 min Scan# 1137
Delta R.T. -0.13 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Tgt Ion: 252 Resp: 74926
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 10.1 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 5.82 ng

RT: 16.54 min Scan# 1177

Delta R.T. -0.09 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

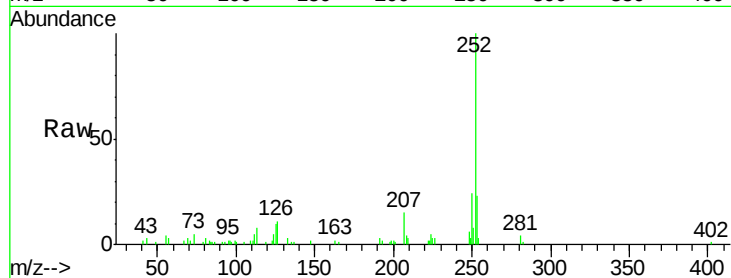
Tgt Ion:252 Resp: 44651

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

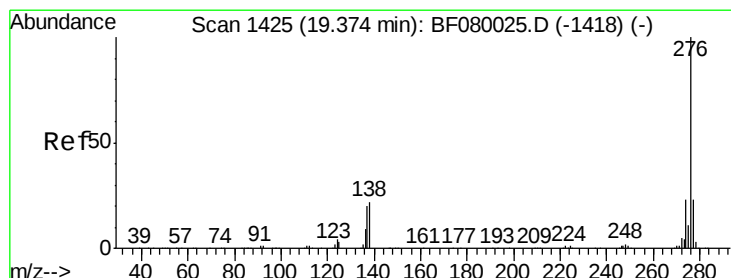
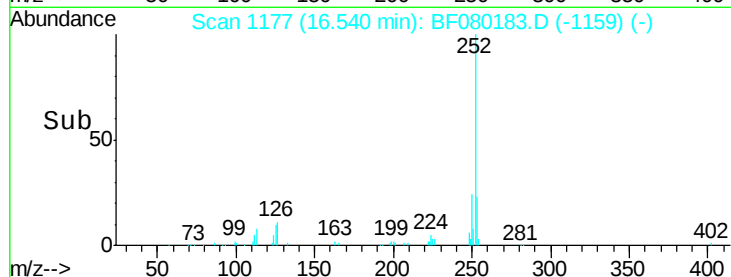
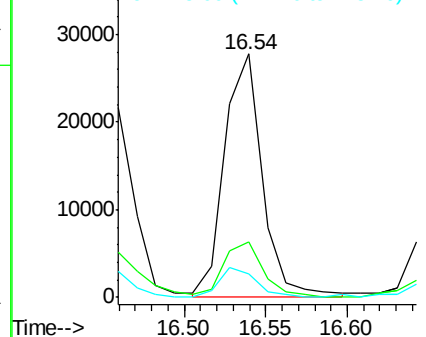
125 9.8 18.0 27.0#



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: 4.35 ng

RT: 18.99 min Scan# 1391

Delta R.T. -0.13 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

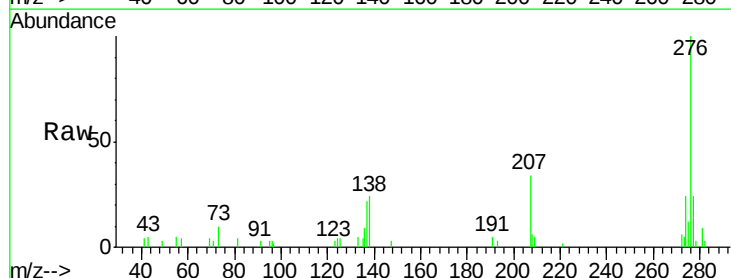
Tgt Ion:276 Resp: 34434

Ion Ratio Lower Upper

276 100

277 24.4 17.8 26.6

138 23.7 34.6 51.8#



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

