

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084511.D
 Acq On : 16 Jan 2016 1:09
 Operator : SJ/UM
 Sample : H1128-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:24:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	252785	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1042299	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	455962	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	807211	20.00	ng	0.00
75) Chrysene-d12	13.99	240	618980	20.00	ng	0.00
86) Perylene-d12	15.40	264	531042	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1887210	120.75	ng	0.01
7) Phenol-d6	6.46	99	2201021	112.14	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1607694	85.85	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	569689	123.76	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	2070538	79.47	ng	-0.01
78) Terphenyl-d14	12.93	244	1634568	58.95	ng	0.00

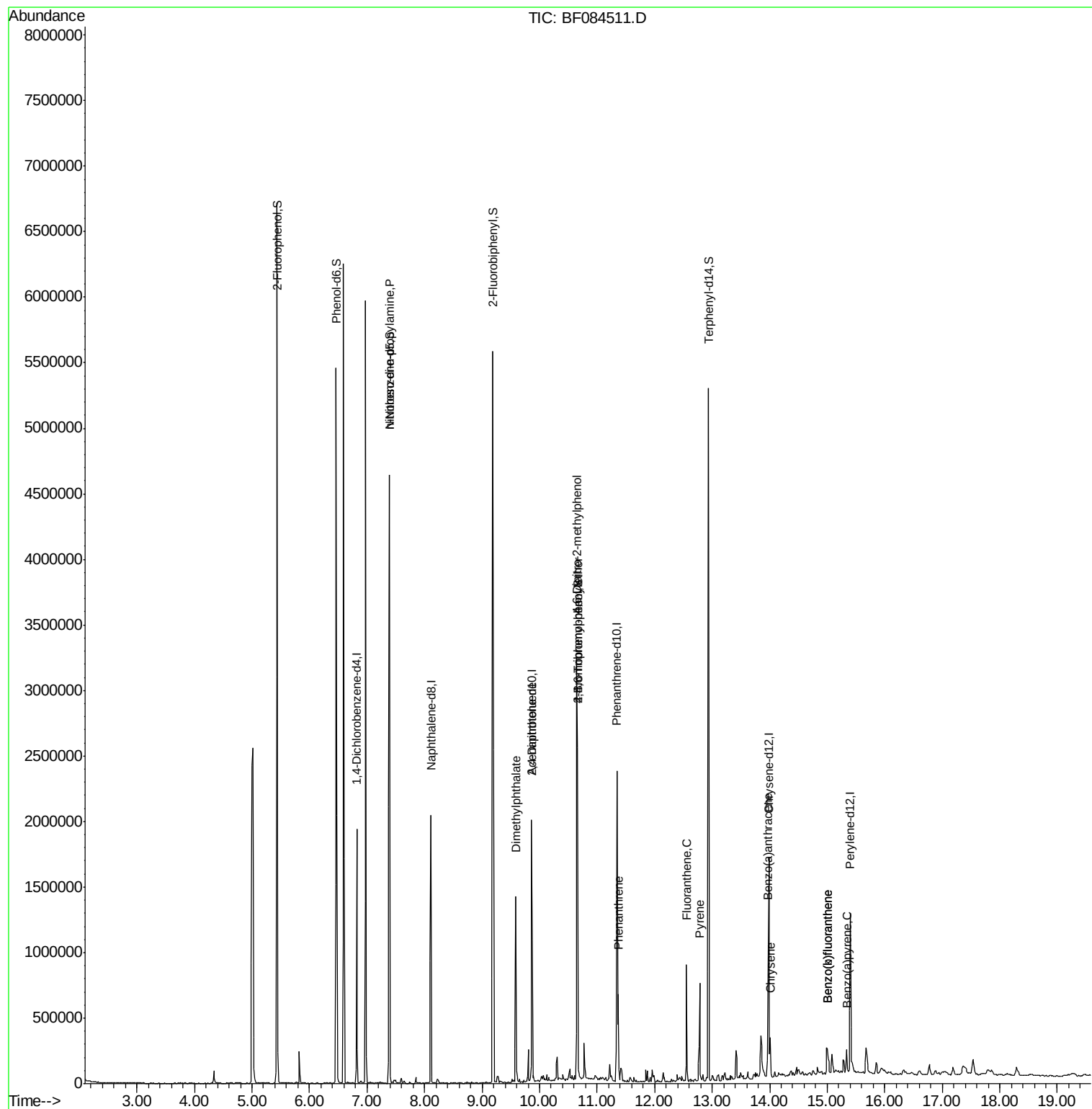
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	224470	16.89	ng	# 74
49) Dimethylphthalate	9.58	163	538438	16.52	ng	# 90
54) Dibenzofuran	10.06	168	7935	Below Cal		# 96
56) 2,4-Dinitrotoluene	9.86	165	58589	6.48	ng	# 21
57) Fluorene	10.41	166	10421	Below Cal		# 97
64) 4,6-Dinitro-2-methylphenol	10.65	198	1186	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	35606	4.10	ng	# 1
70) Phenanthrene	11.37	178	227525	5.39	ng	99
73) Di-n-butylphthalate	11.92	149	6098	Below Cal		# 90
74) Fluoranthene	12.56	202	330667	7.50	ng	97
77) Pyrene	12.79	202	311531	6.41	ng	99
80) Benzo(a)anthracene	13.97	228	142917	3.93	ng	99
82) Chrysene	14.01	228	88631	2.54	ng	96
87) Benzo(b)fluoranthene	15.00	252	159423	4.59	ng	# 93
88) Benzo(k)fluoranthene	15.00	252	159423	5.61	ng	97
89) Benzo(a)pyrene	15.35	252	87001	2.95	ng	96

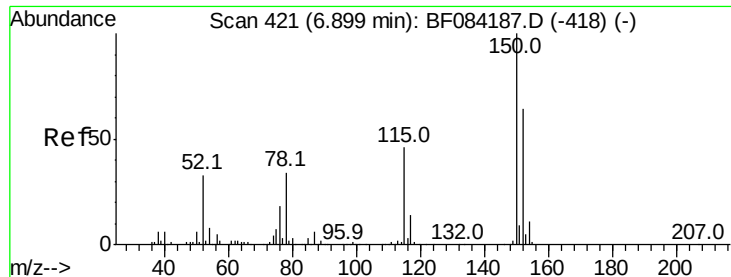
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampled :

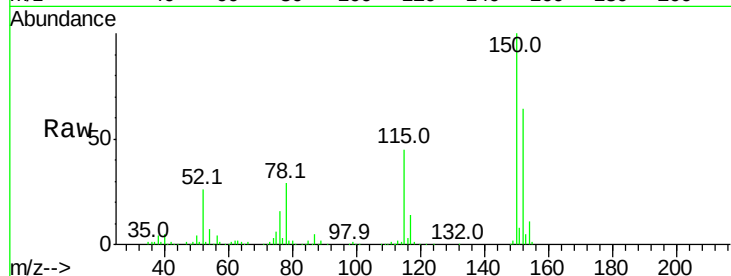
Tot Ion:152 Resp: 252785

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

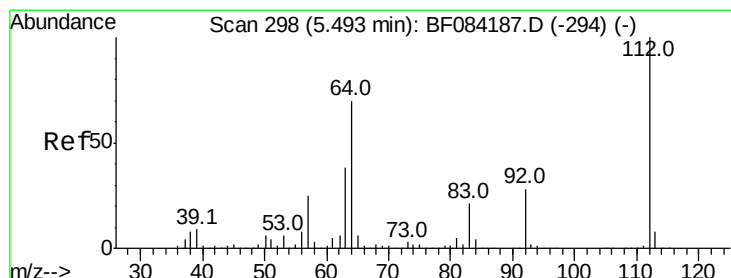
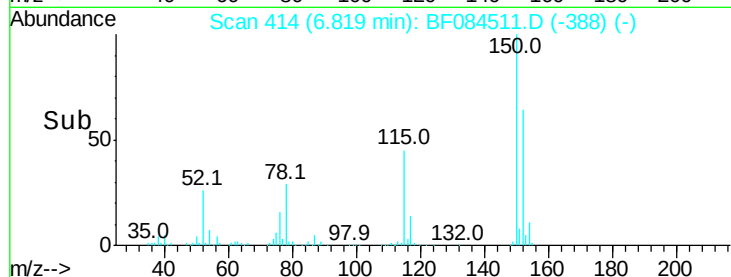
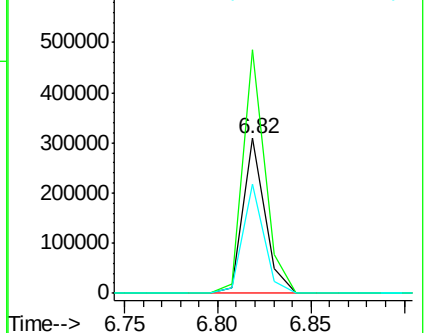
115 70.4 51.4 77.2



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: 120.75 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

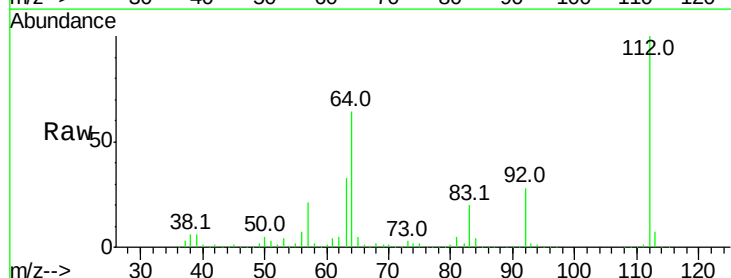
Tgt Ion:112 Resp: 1887210

Ion Ratio Lower Upper

112 100

64 63.6 36.6 55.0#

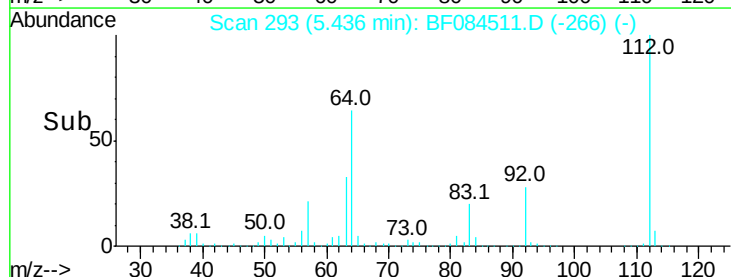
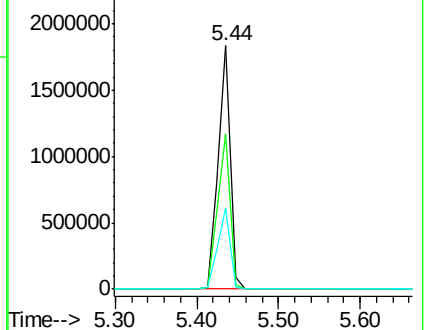
63 33.2 19.4 29.0#

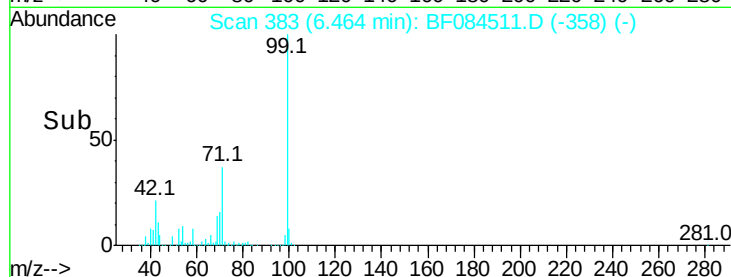
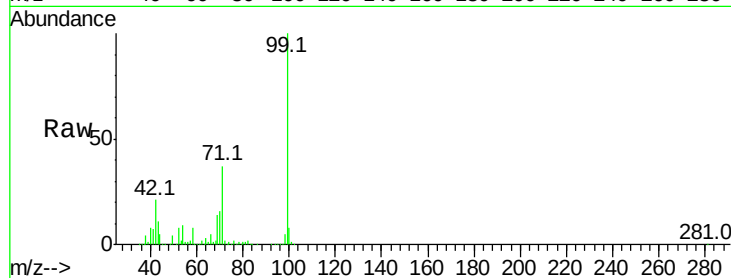
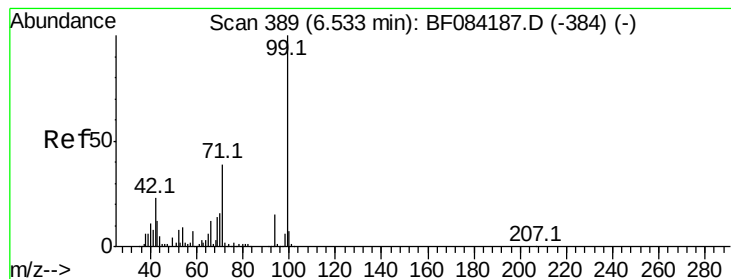


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.14 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampled :

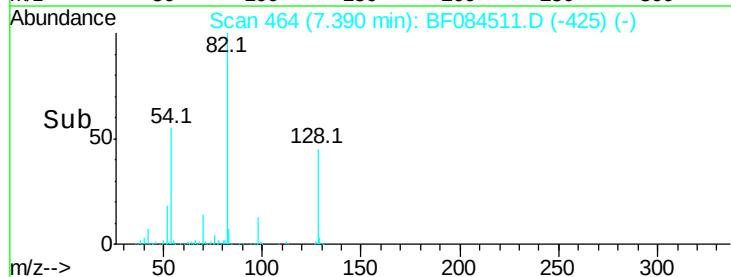
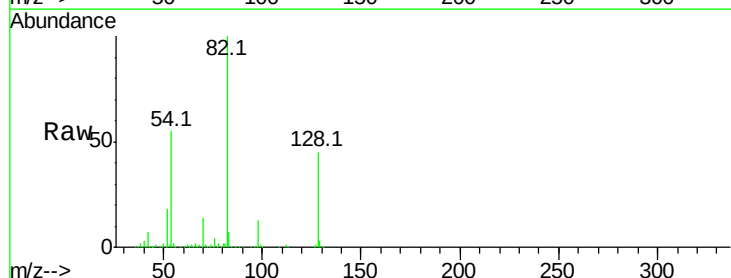
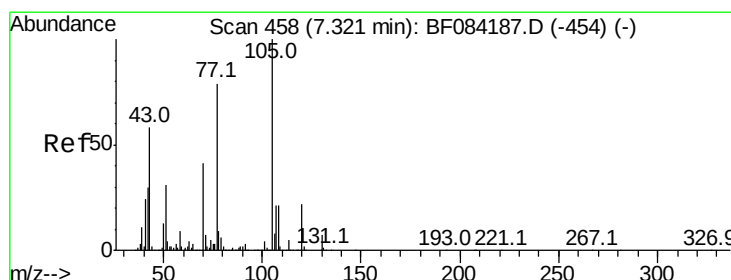
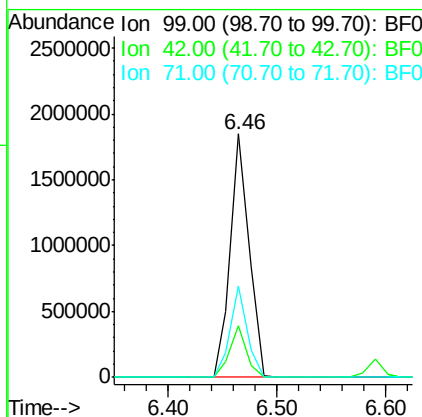
Tot Ion: 99 Resp: 2201021

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

71 37.3 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.89 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Tgt Ion: 70 Resp: 224470

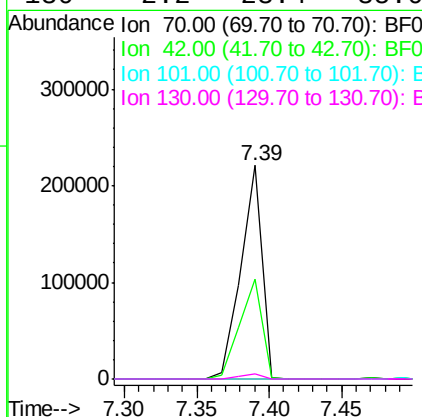
Ion Ratio Lower Upper

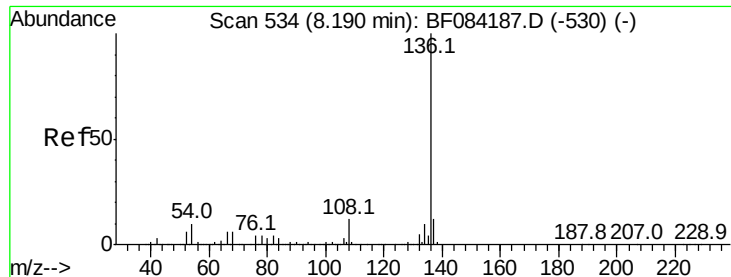
70 100

42 46.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1042299

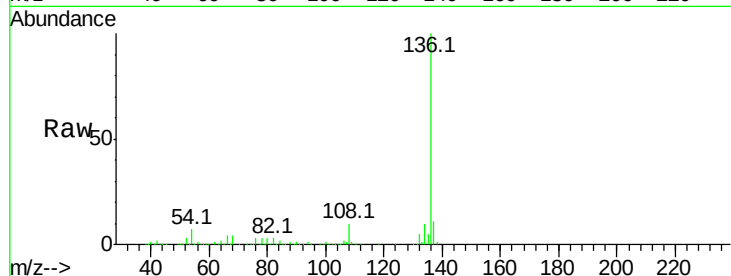
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.9 5.8 8.8

68 4.5 4.2 6.2

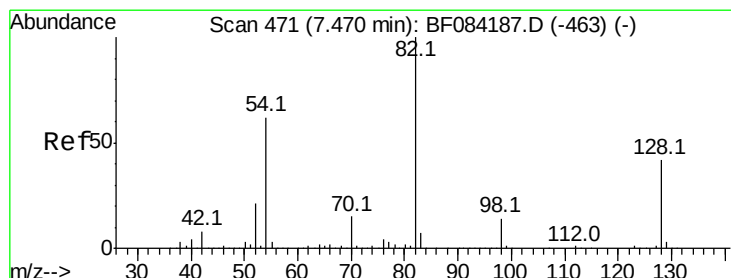
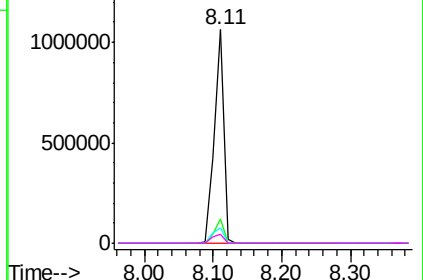
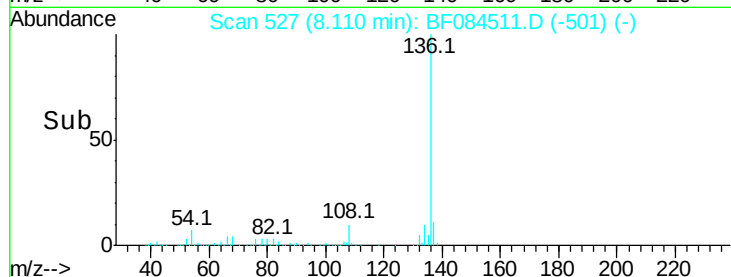


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.85 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

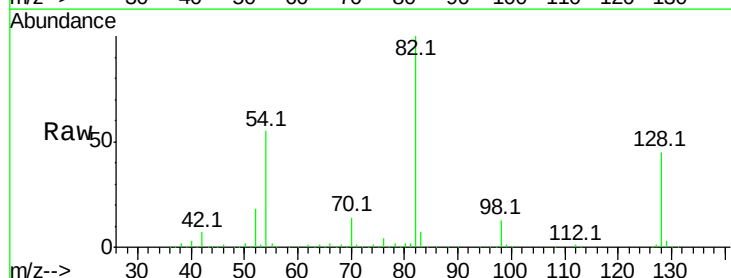
Tgt Ion: 82 Resp: 1607694

Ion Ratio Lower Upper

82 100

128 44.8 34.6 51.8

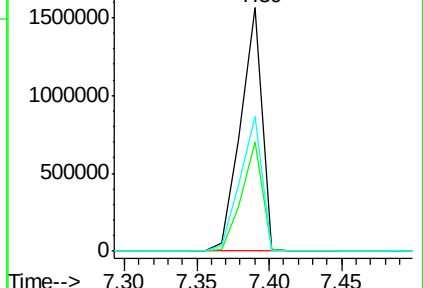
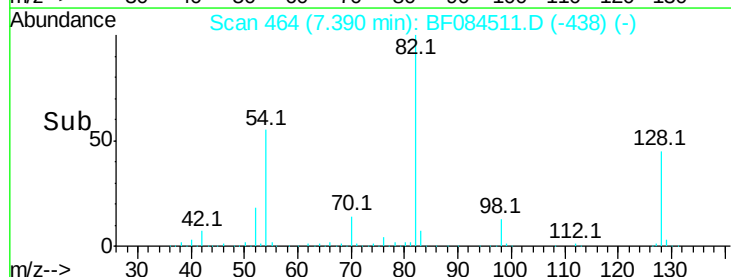
54 55.2 38.4 57.6

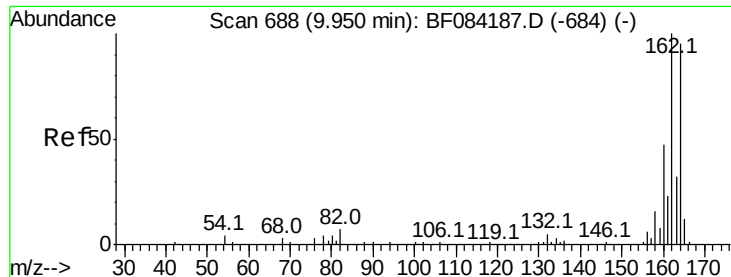


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

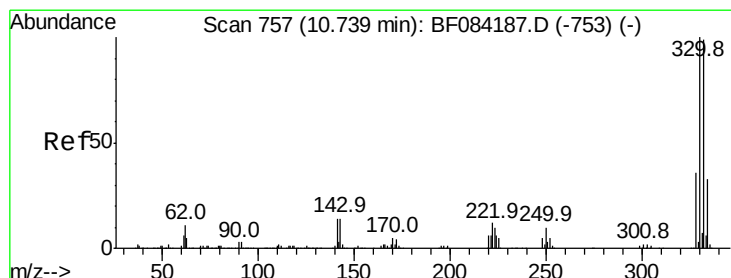
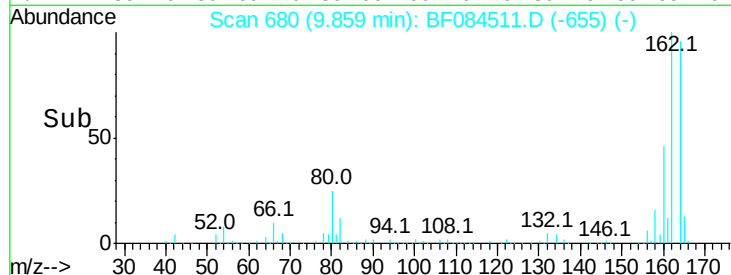
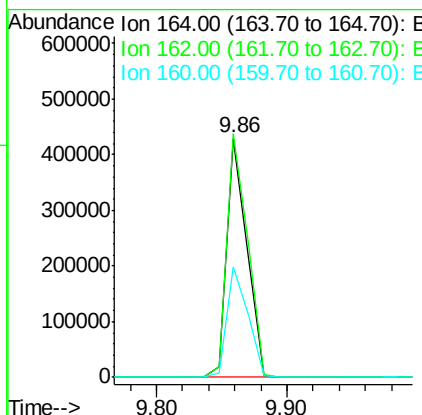
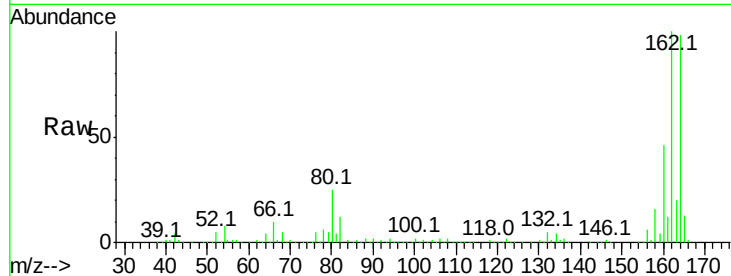




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

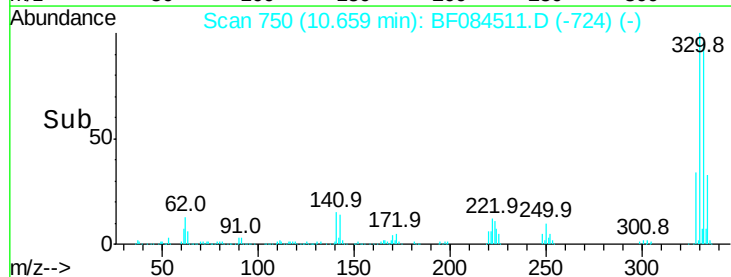
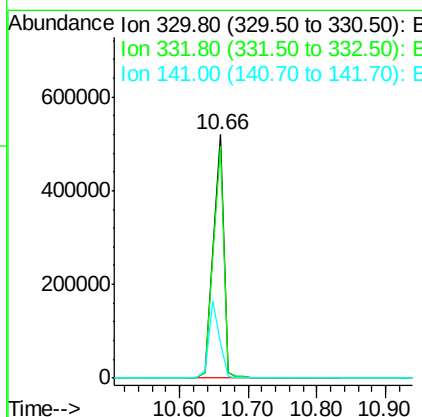
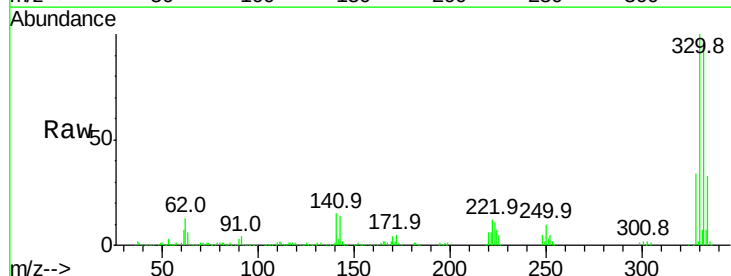
Instrument :
 BNA_F
 ClientSampled :

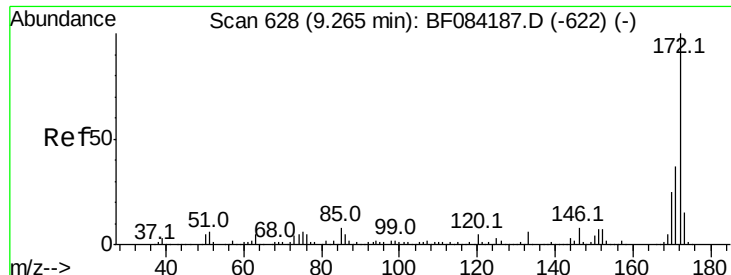
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	85.1	127.7
160	46.5	37.5	56.3



#41
 2,4,6-Tribromophenol
 Concen: 123.76 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	31.6	27.8	41.6

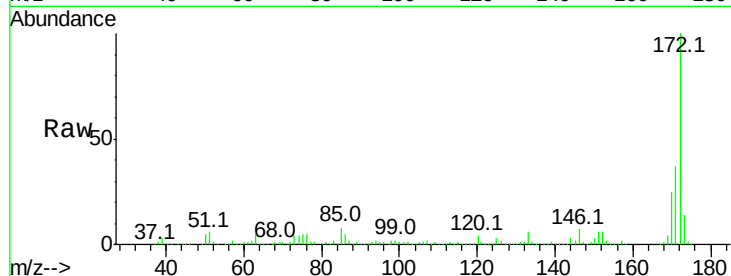




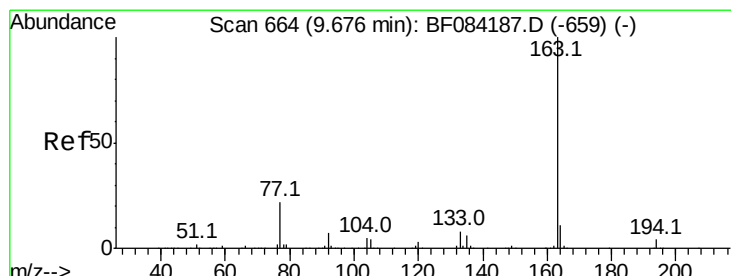
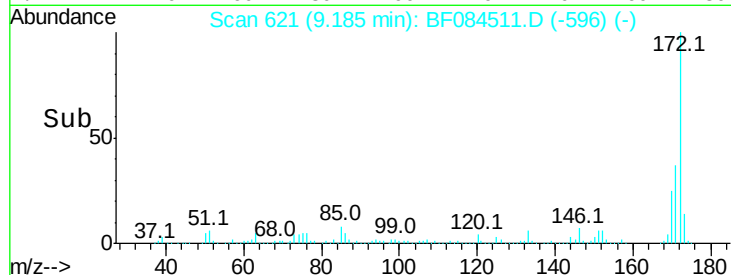
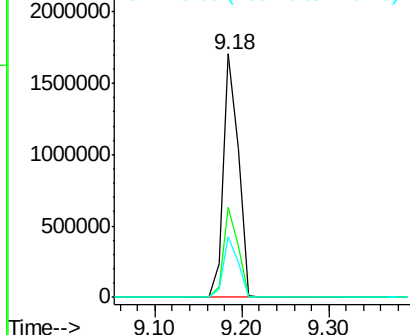
#44
2-Fluorobiphenyl
Concen: 79.47 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.01 min
Lab File: BF084511.D
Acq: 16 Jan 2016 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2070538
Ion Ratio Lower Upper
172 100
171 36.8 28.9 43.3
170 25.0 18.6 27.8

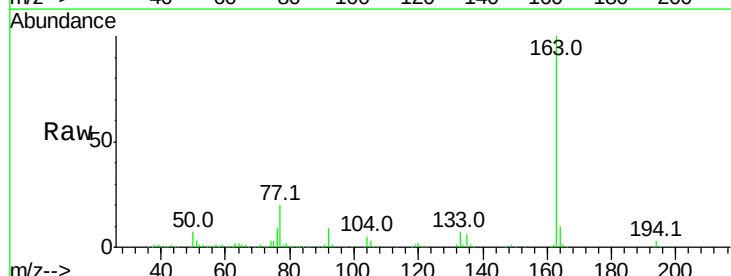


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

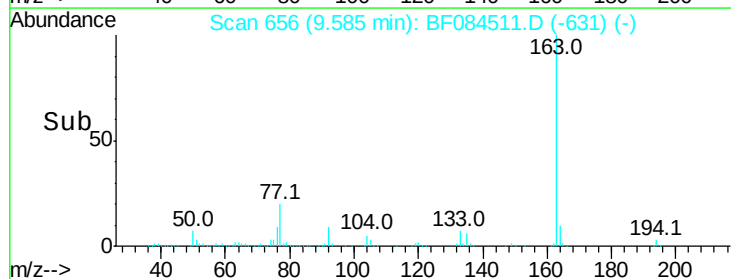
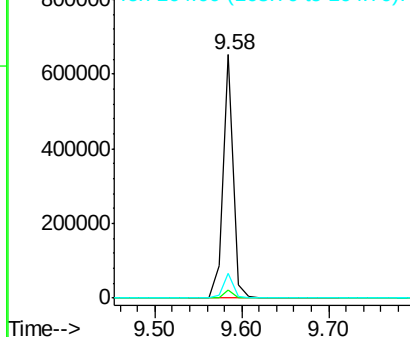


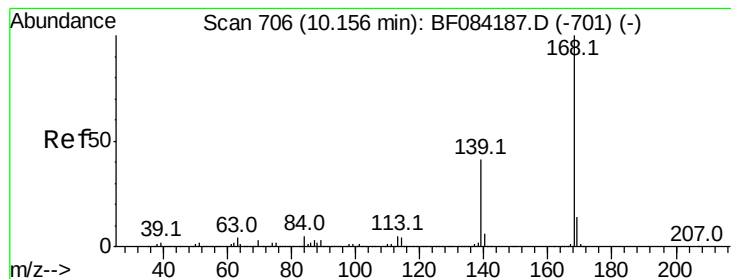
#49
Dimethylphthalate
Concen: 16.52 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084511.D
Acq: 16 Jan 2016 1:09

Tgt Ion:163 Resp: 538438
Ion Ratio Lower Upper
163 100
194 3.1 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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

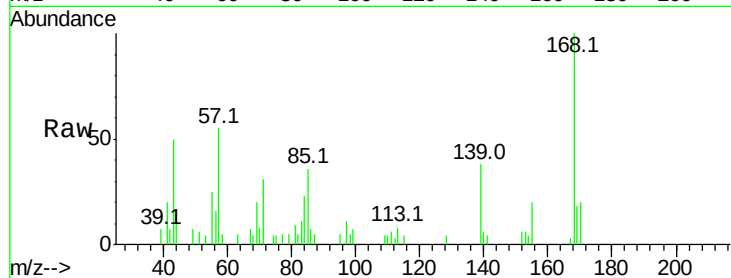
Tot Ion:168 Resp: 7935

Ion Ratio Lower Upper

168 100

139 37.7 30.5 45.7

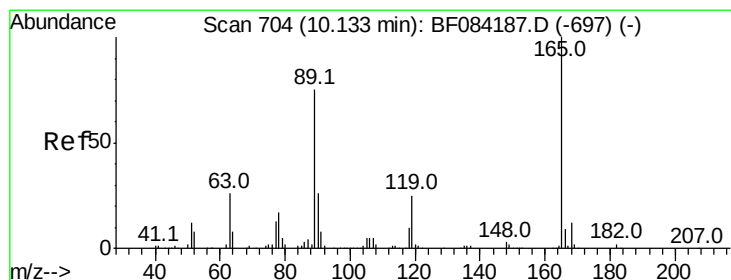
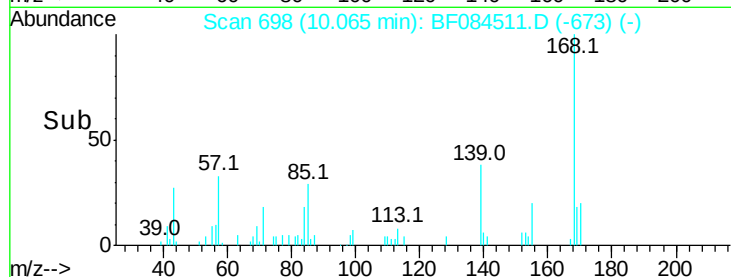
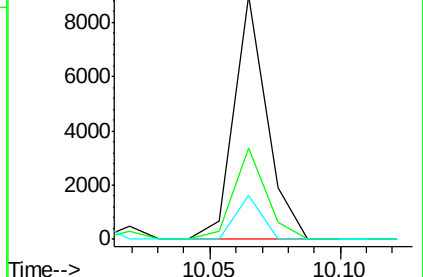
169 18.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.21 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Tgt Ion:165 Resp: 58589

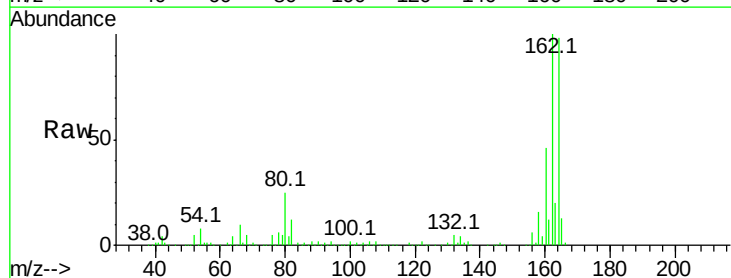
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.3 61.9 92.9#

182 0.0 2.0 3.0#

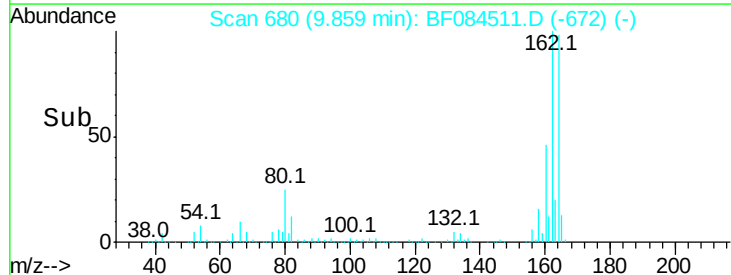
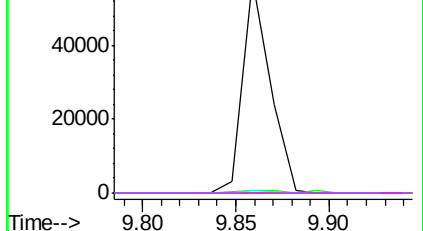


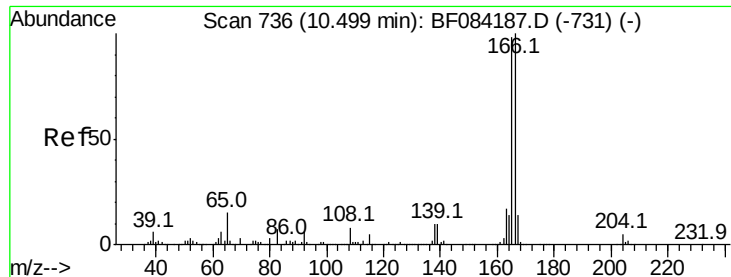
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampled :

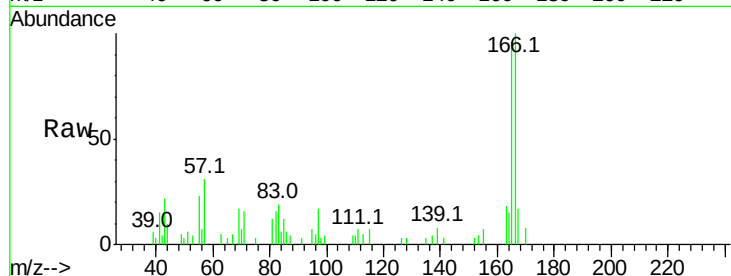
Tot Ion:166 Resp: 10421

Ion Ratio Lower Upper

166 100

165 96.3 79.1 118.7

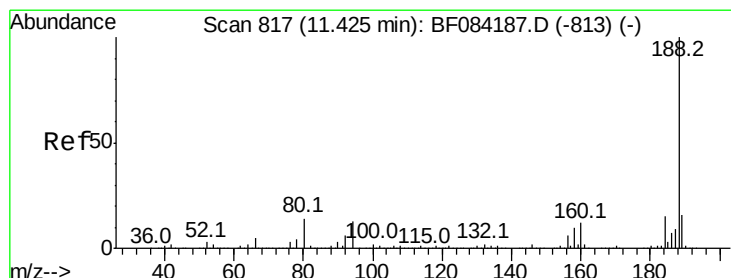
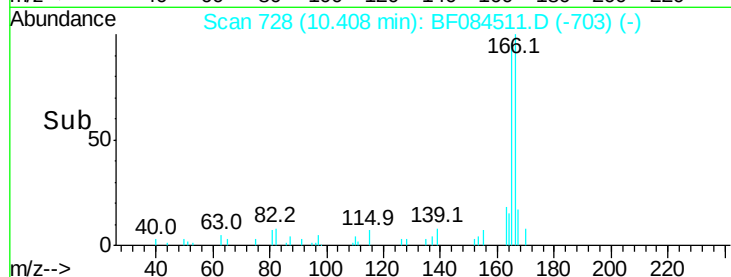
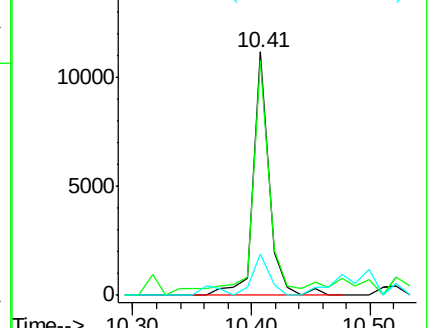
167 16.9 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

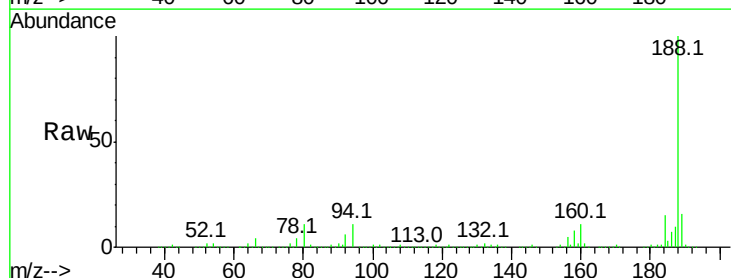
Tgt Ion:188 Resp: 807211

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

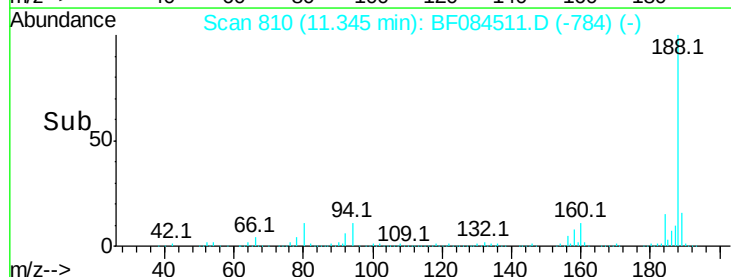
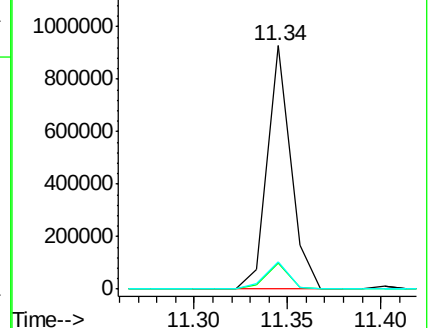
80 11.4 9.6 14.4

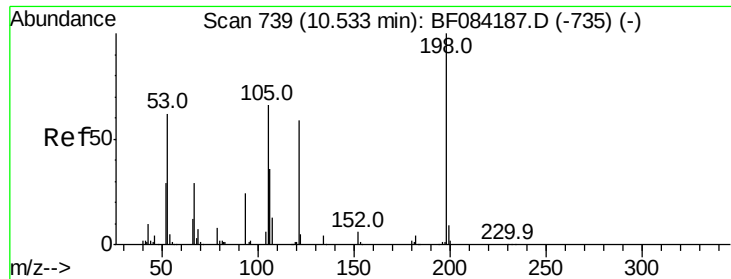


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

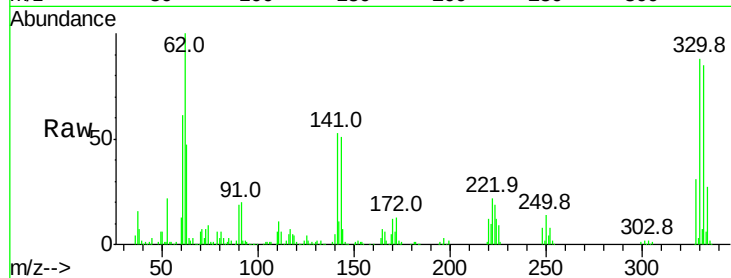




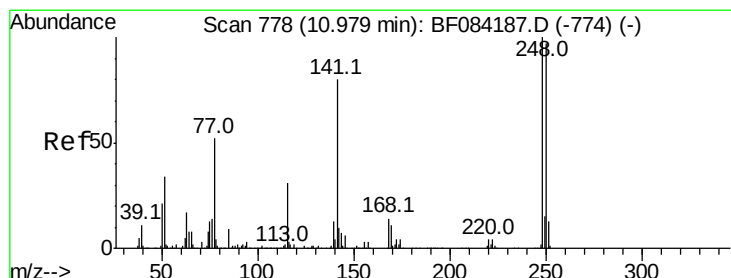
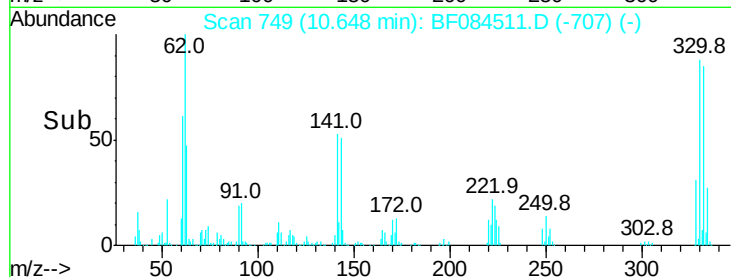
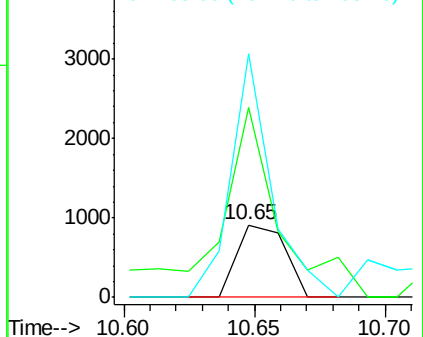
#64
4,6-Dinitro-2-methylphenol
Concen: 6.60 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.18 min
Lab File: BF084511.D
Acq: 16 Jan 2016 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 1186
Ion Ratio Lower Upper
198 100
51 260.5 18.9 58.9#
105 335.2 26.4 66.4#

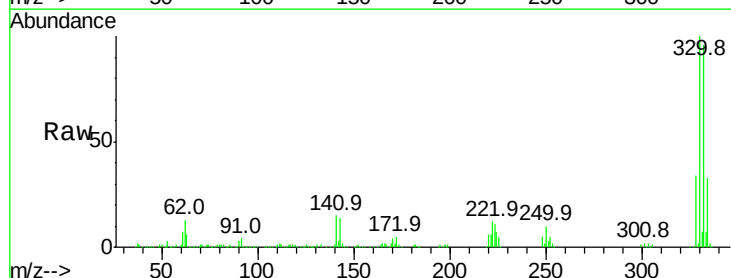


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

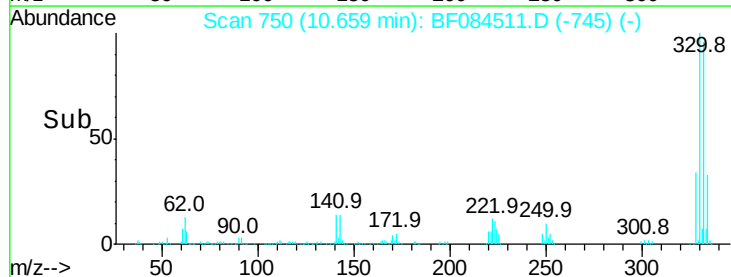
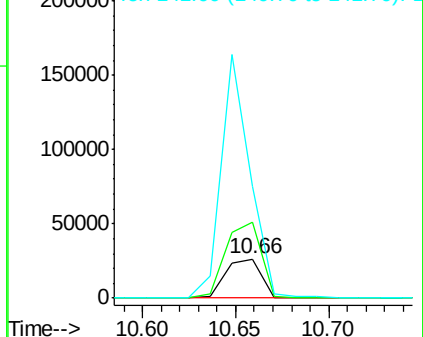


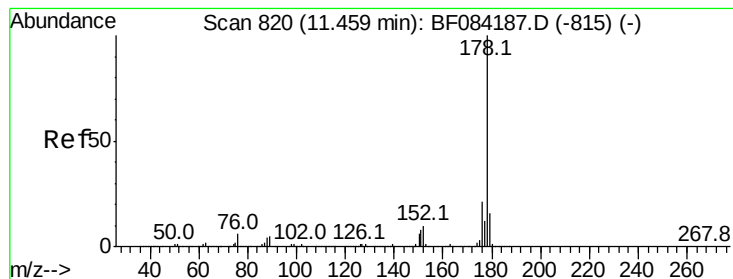
#66
4-Bromophenyl-phenylether
Concen: 4.10 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084511.D
Acq: 16 Jan 2016 1:09

Tgt Ion:248 Resp: 35606
Ion Ratio Lower Upper
248 100
250 194.7 78.4 117.6#
141 286.4 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: 5.39 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

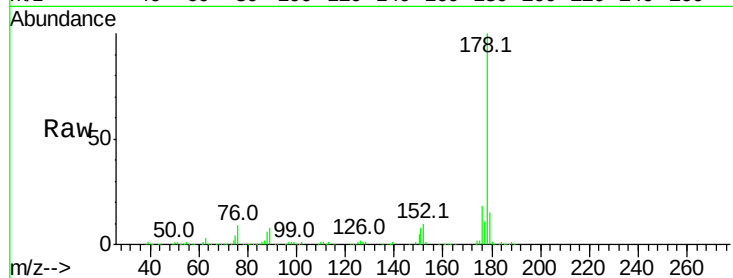
Tot Ion:178 Resp: 227525

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

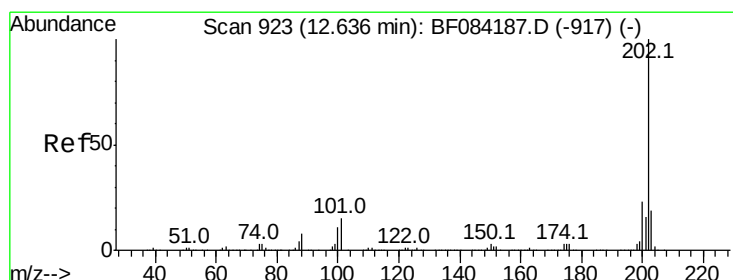
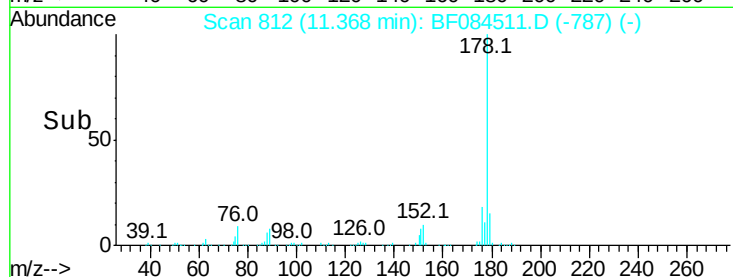
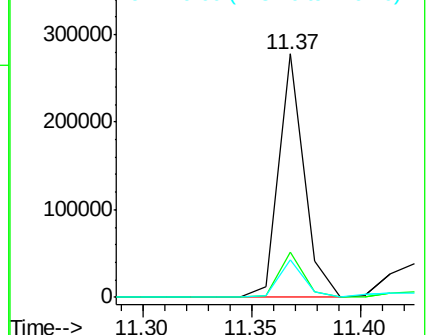
179 15.5 12.0 18.0



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



#74

Fluoranthene

Concen: 7.50 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

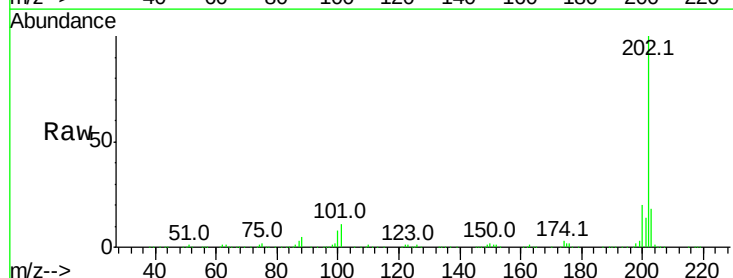
Tgt Ion:202 Resp: 330667

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.8

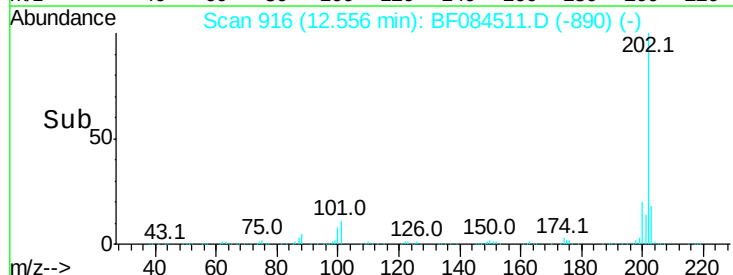
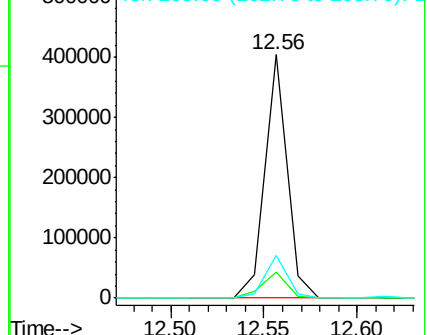
203 17.6 0.0 37.9

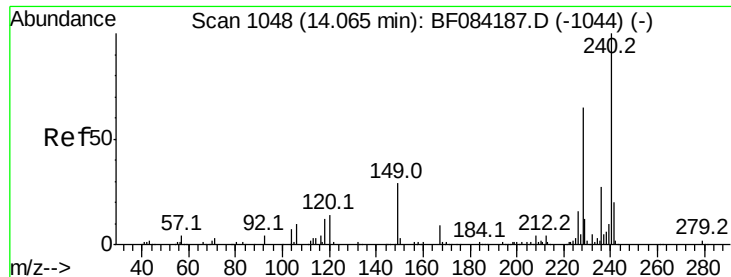


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

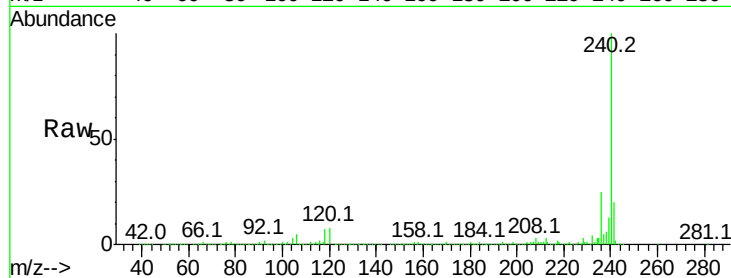
Tot Ion:240 Resp: 618980

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

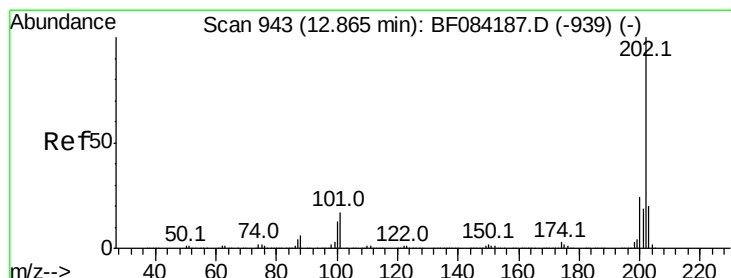
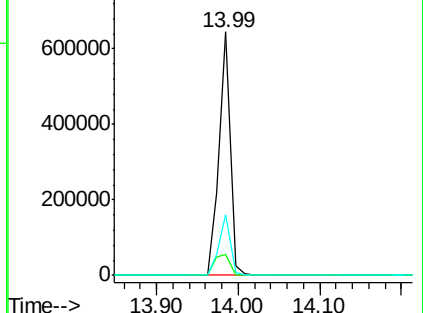
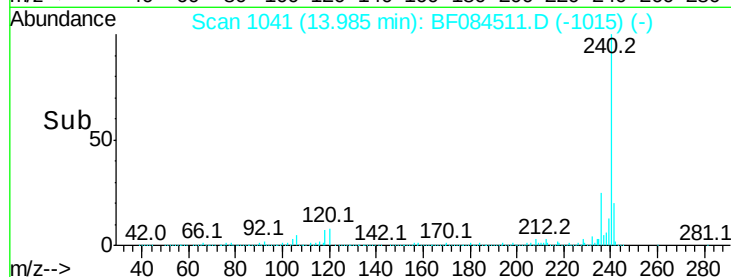
236 24.9 20.6 31.0



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



#77

Pyrene

Concen: 6.41 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

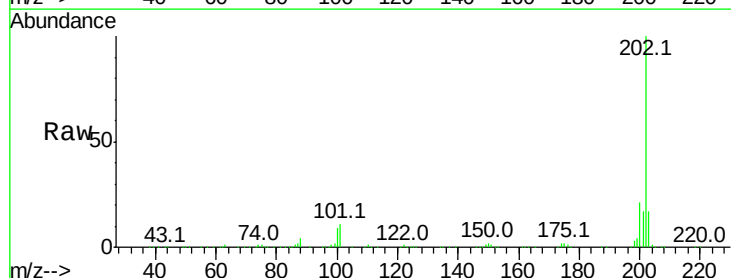
Tgt Ion:202 Resp: 311531

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

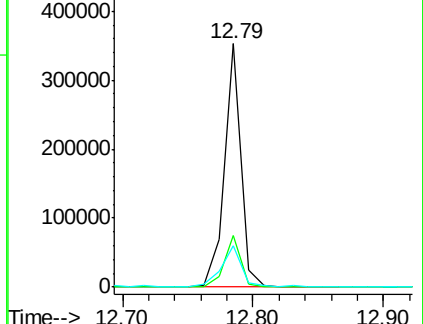
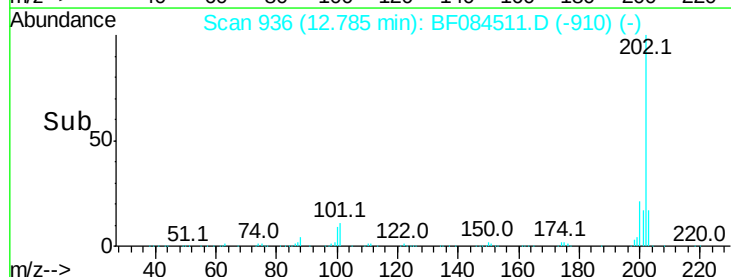
203 17.1 14.3 21.5

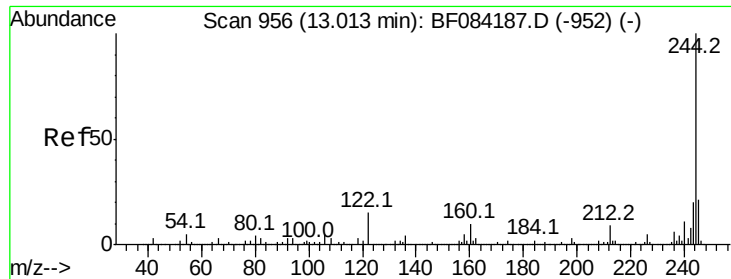


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.95 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

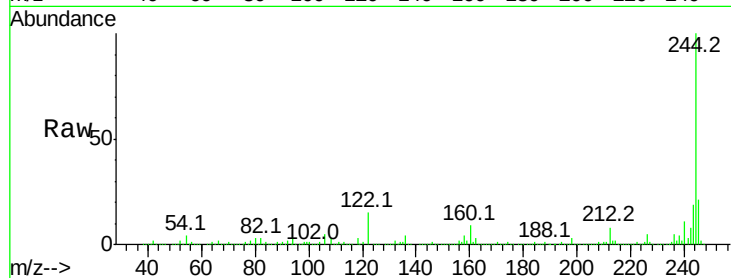
Tot Ion:244 Resp: 1634568

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

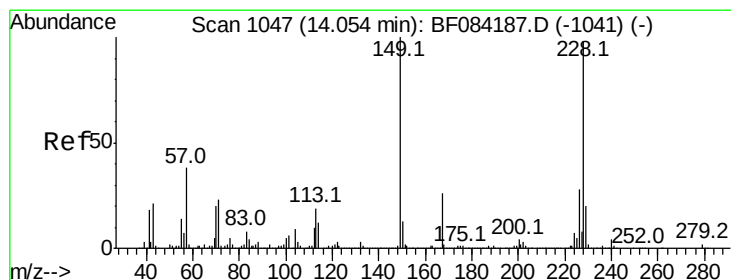
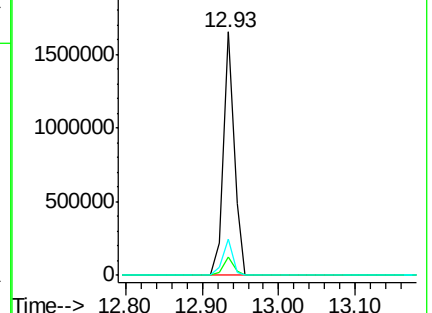
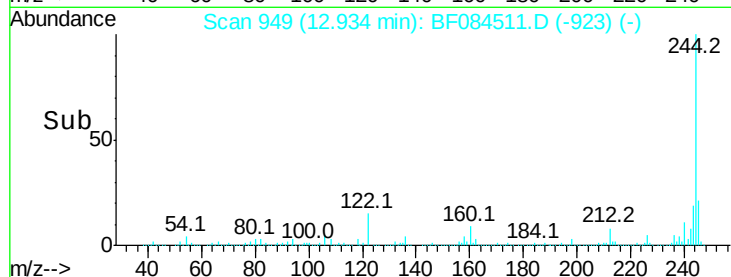
122 14.7 7.4 11.0#



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



#80

Benzo(a)anthracene

Concen: 3.93 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

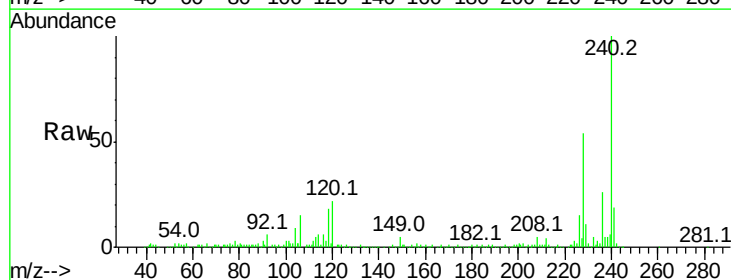
Tgt Ion:228 Resp: 142917

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.6

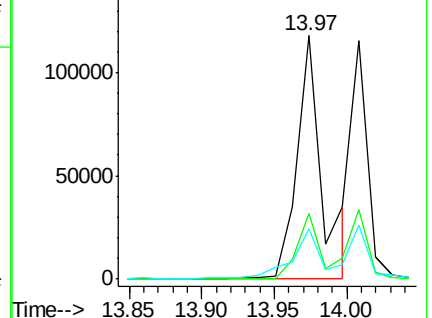
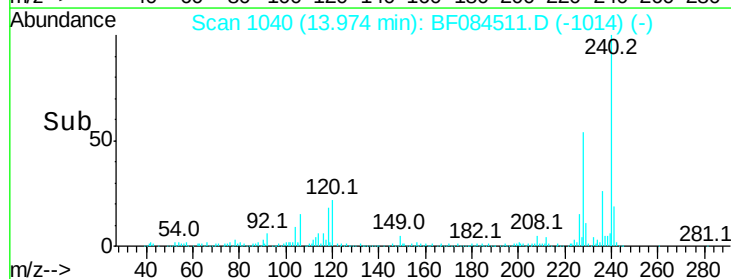
229 20.6 15.8 23.8

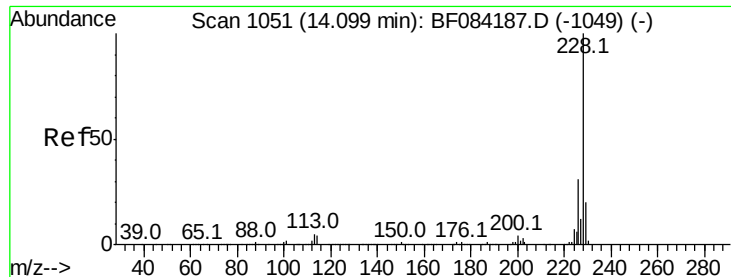


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.54 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

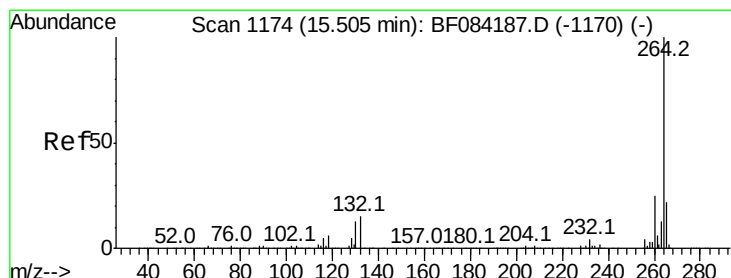
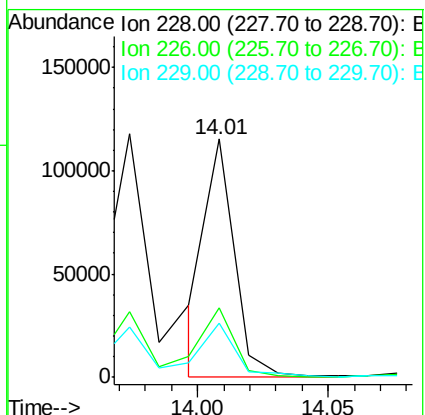
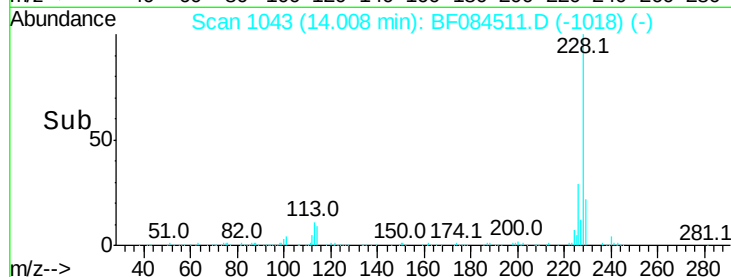
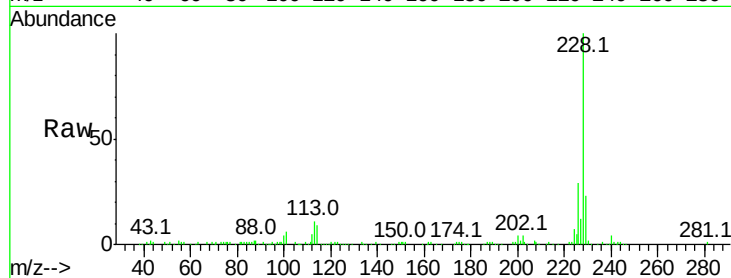
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 88631

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.3	36.5
229	22.8	16.1	24.1



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

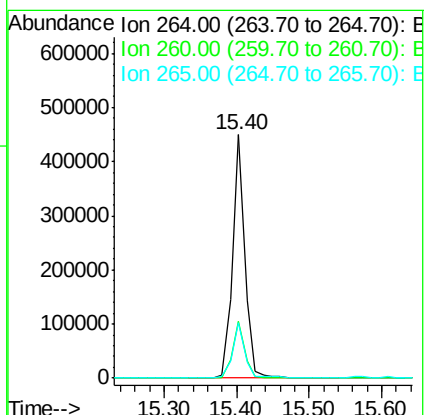
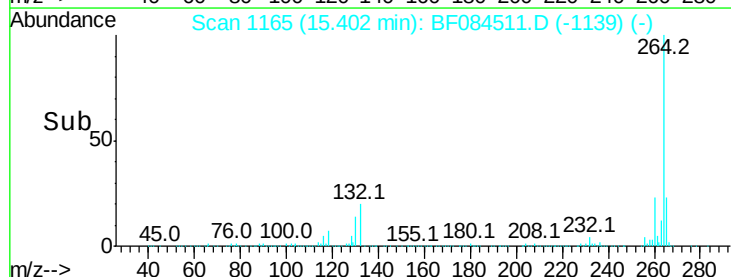
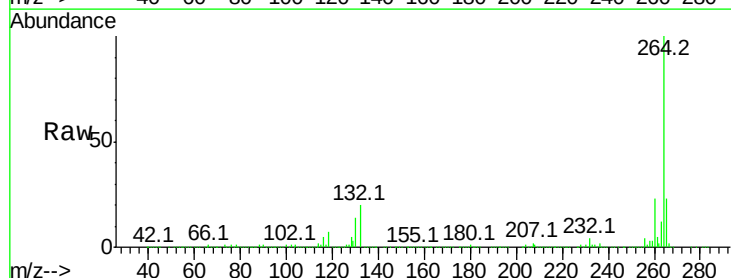
Delta R.T. -0.00 min

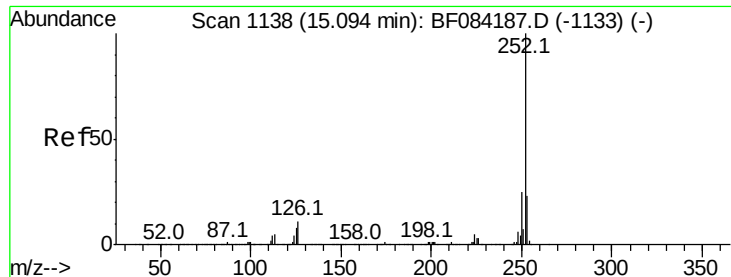
Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Tgt Ion:264 Resp: 531042

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	22.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 4.59 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

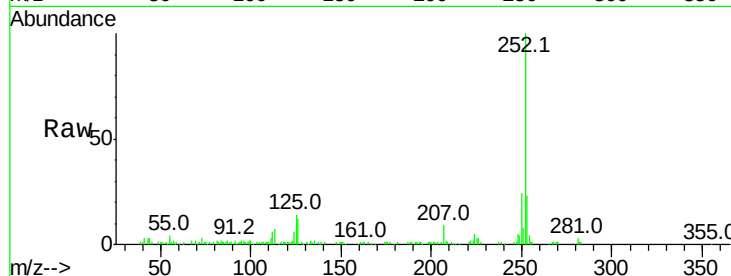
Tot Ion:252 Resp: 159423

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

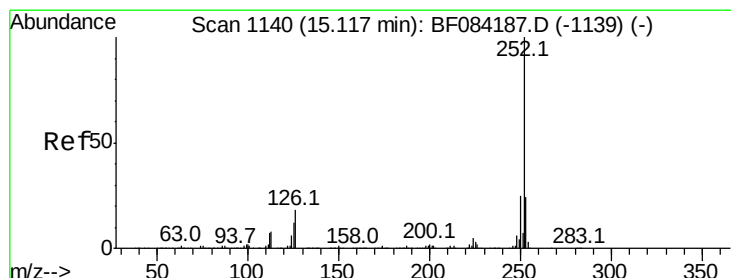
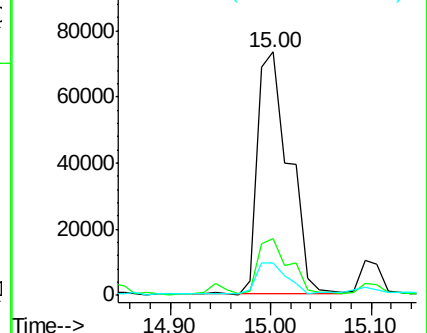
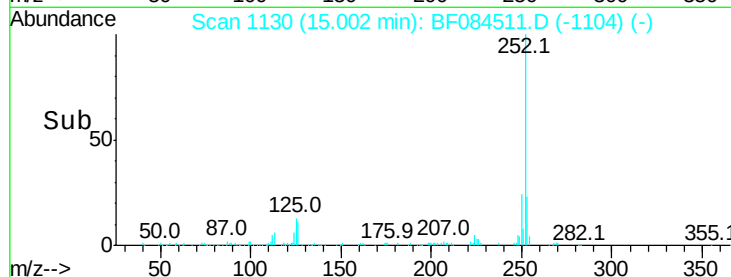
125 13.5 6.5 9.7#



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: 5.61 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

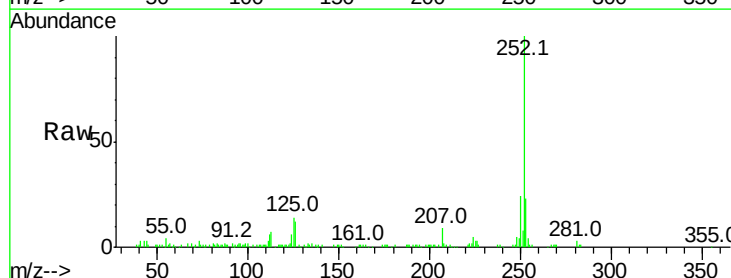
Tgt Ion:252 Resp: 159423

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

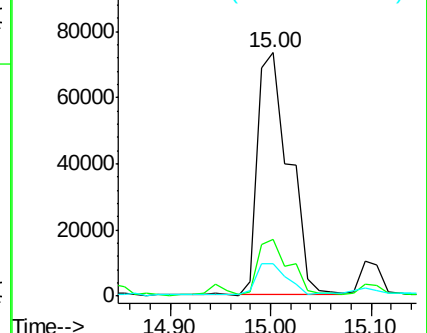
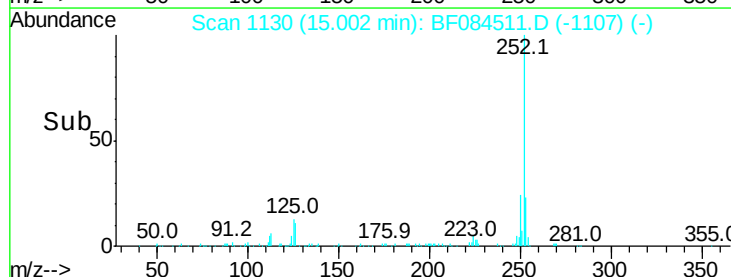
125 13.5 9.0 13.6

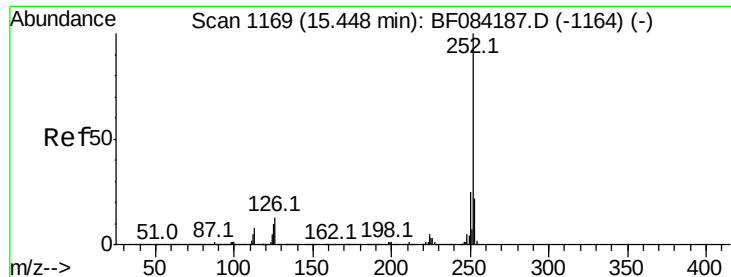


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.95 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 87001

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 9.8 7.0 10.4

