

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070615\
 Data File : BF080363.D
 Acq On : 7 Jul 2015 2:19
 Operator : TP/IZ
 Sample : G2732-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Jul 07 05:46:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 03:05:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	36945	20.00	ng	0.00
21) Naphthalene-d8	8.52	136	137656	20.00	ng	0.00
38) Acenaphthene-d10	10.29	164	65478	20.00	ng	0.00
63) Phenanthrene-d10	11.79	188	139426	20.00	ng	0.00
75) Chrysene-d12	14.71	240	152209	20.00	ng	-0.03
86) Perylene-d12	16.53	264	151794	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.84	112	241342	119.64	ng	0.00
7) Phenol-d6	6.83	99	298844	111.76	ng	0.00
23) Nitrobenzene-d5	7.79	82	170774	72.36	ng	0.00
41) 2,4,6-Tribromophenol	11.08	330	81941	119.60	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	413610	85.25	ng	0.00
78) Terphenyl-d14	13.46	244	470854	72.16	ng	-0.01

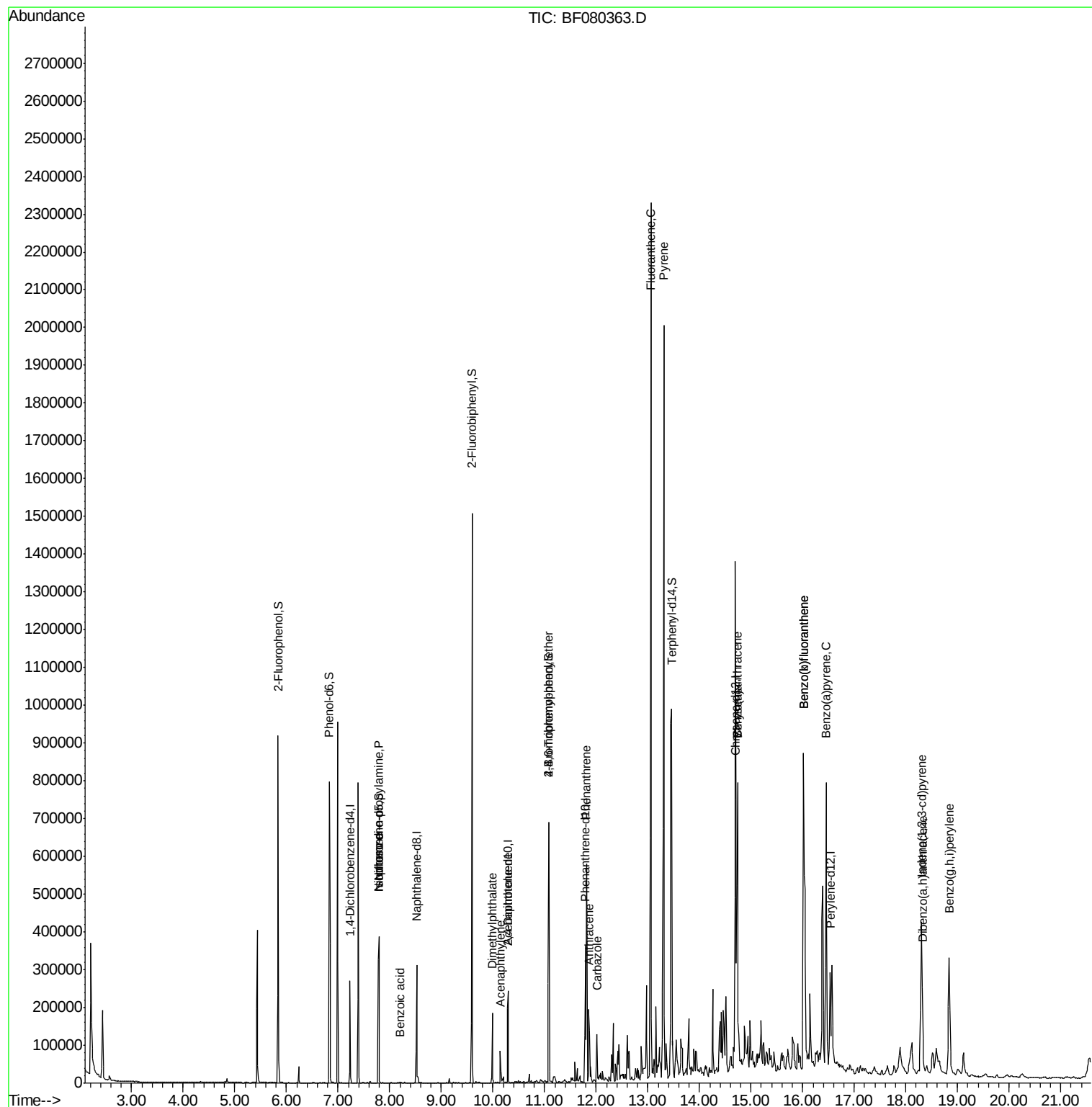
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.79	70	21320	12.29	ng	# 75
25) Isophorone	7.79	82	170355	37.50	ng	# 69
32) Benzoic acid	8.19	122	1502	6.97	ng	92
48) Acenaphthylene	10.14	152	40217	5.45	ng	99
49) Dimethylphthalate	9.98	163	66936	12.73	ng	99
56) 2,4-Dinitrotoluene	10.29	165	8579	6.07	ng	# 35
66) 4-Bromophenyl-phenylether	11.08	248	5687	3.56	ng	# 1
70) Phenanthrene	11.81	178	207638	24.83	ng	99
71) Anthracene	11.86	178	104734	12.77	ng	99
72) Carbazole	12.02	167	70972	9.28	ng	99
74) Fluoranthene	13.06	202	931139	103.62	ng	98
77) Pyrene	13.31	202	840150	91.26	ng	98
80) Benzo(a)anthracene	14.74	228	347859	37.92	ng	94
82) Chrysene	14.74	228	348814	40.64	ng	98
85) Indeno(1,2,3-cd)pyrene	18.31	276	324999	32.20	ng	96
87) Benzo(b)fluoranthene	16.02	252	767832	80.49	ng	98
88) Benzo(k)fluoranthene	16.02	252	767832	85.03	ng	99
89) Benzo(a)pyrene	16.45	252	409476	46.94	ng	# 96
90) Dibenzo(a,h)anthracene	18.32	278	57044	6.64	ng	95
91) Benzo(g,h,i)perylene	18.84	276	321241	36.87	ng	99

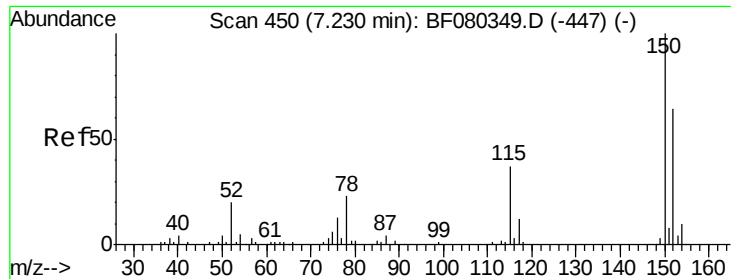
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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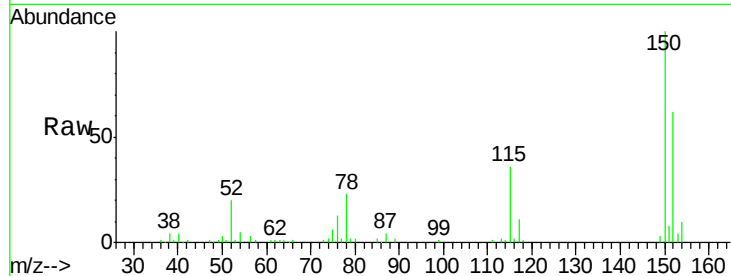




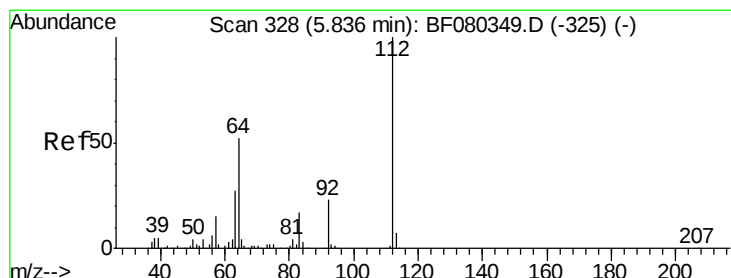
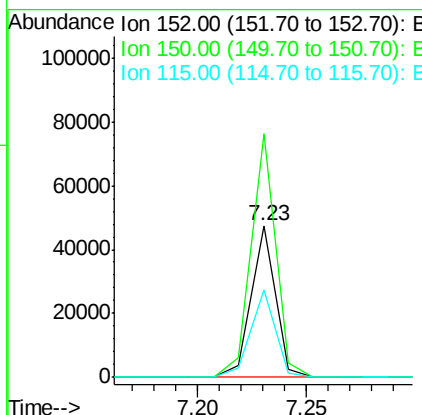
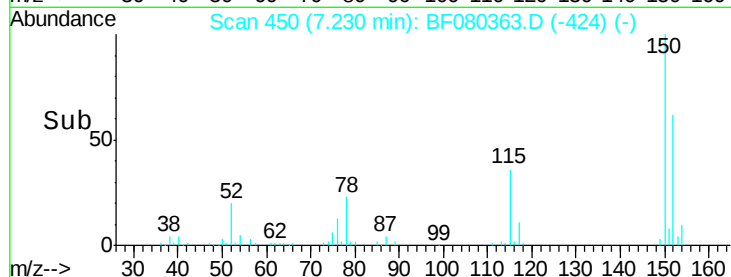
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:152 Resp: 36945
 Ion Ratio Lower Upper
 152 100
 150 160.2 124.7 187.1
 115 57.7 45.7 68.5

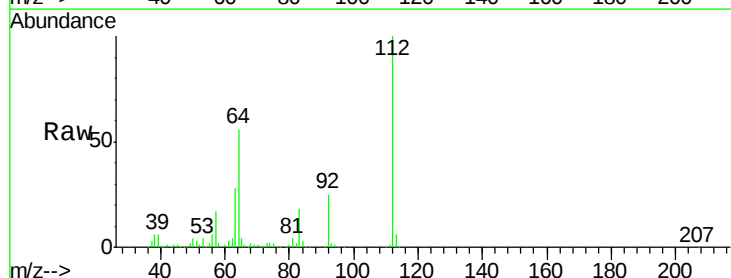


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

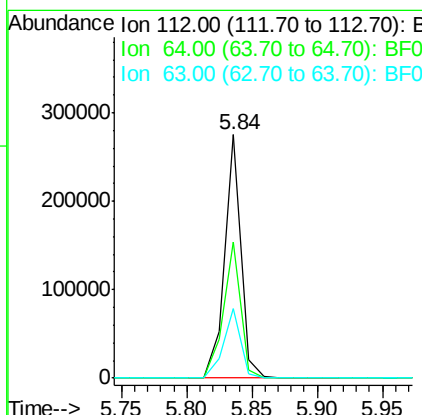
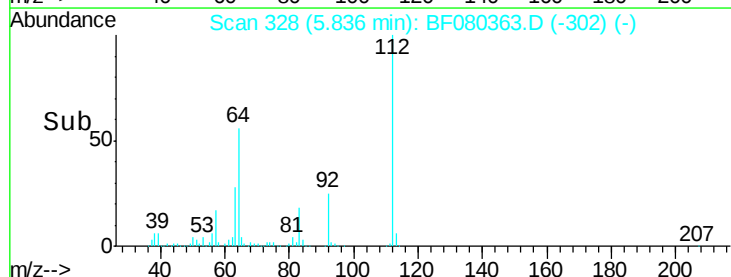


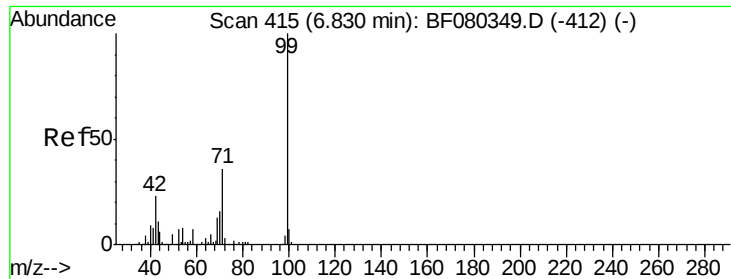
#5
 2-Fluorophenol
 Concen: 119.64 ng
 RT: 5.84 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion:112 Resp: 241342
 Ion Ratio Lower Upper
 112 100
 64 56.1 41.8 62.6
 63 28.5 21.5 32.3



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: 111.76 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

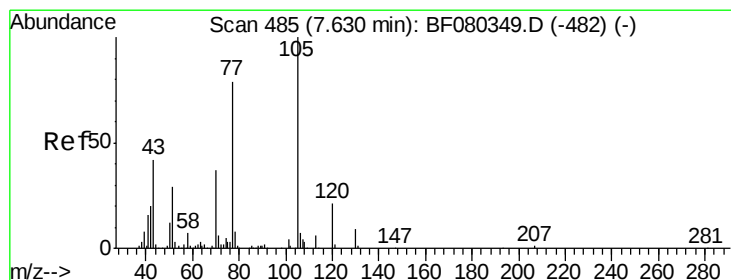
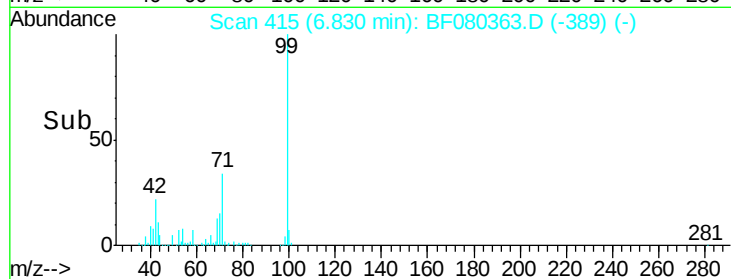
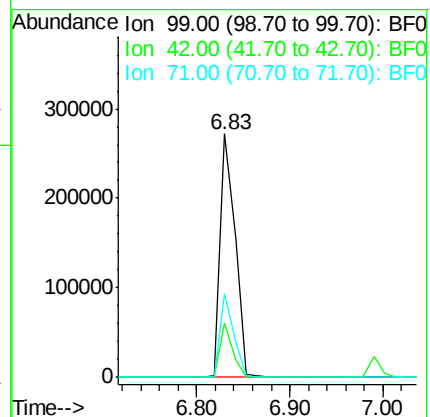
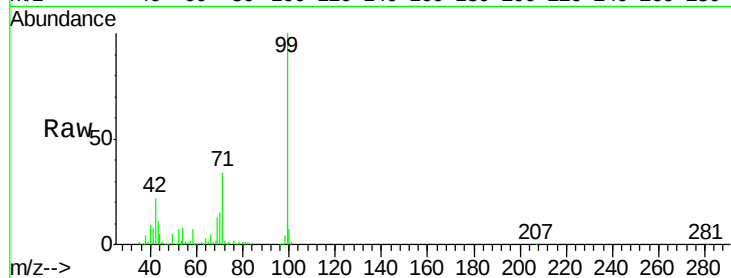
Tgt Ion: 99 Resp: 298844

Ion Ratio Lower Upper

99 100

42 22.5 18.5 27.7

71 34.5 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.29 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.16 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Tgt Ion: 70 Resp: 21320

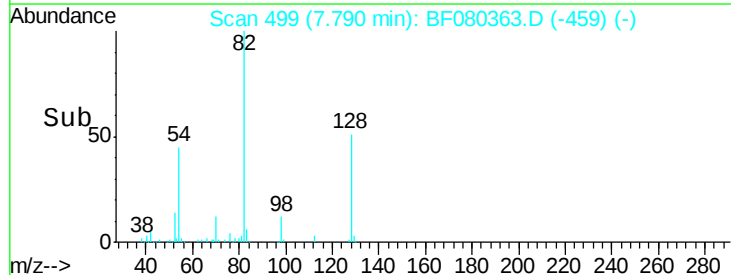
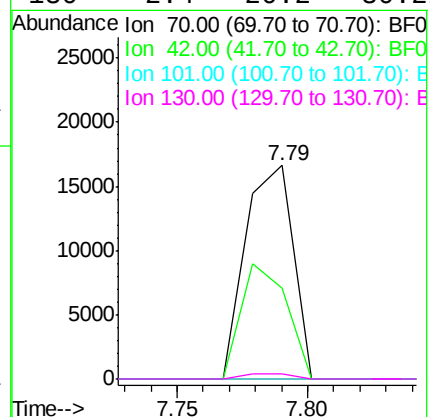
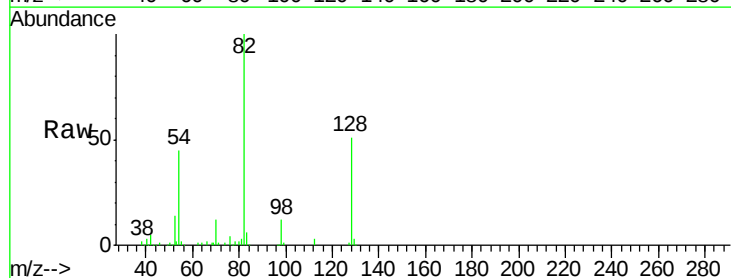
Ion Ratio Lower Upper

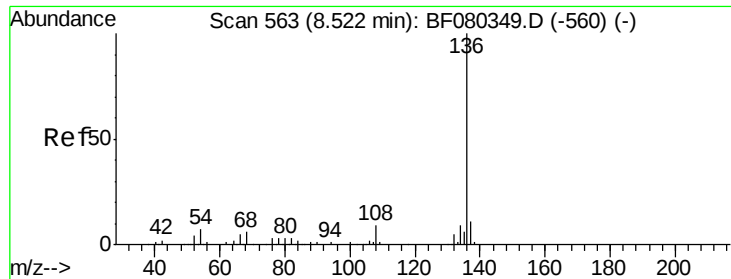
70 100

42 42.8 43.0 64.6#

101 0.0 8.3 12.5#

130 2.4 20.2 30.2#

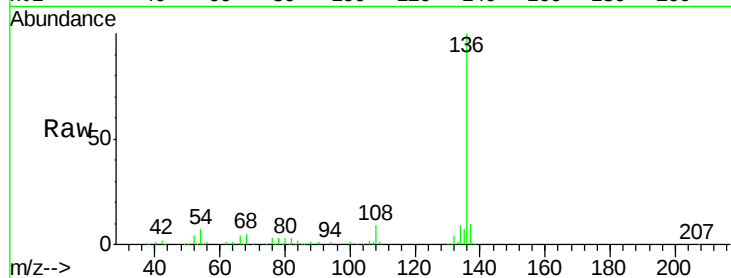




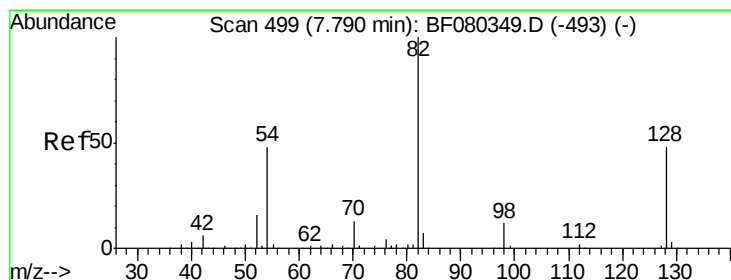
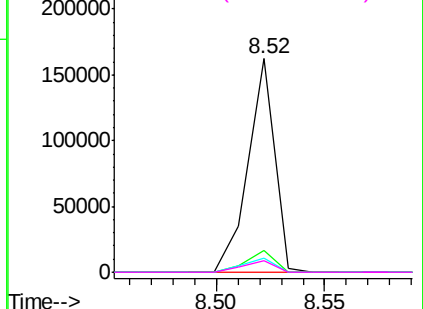
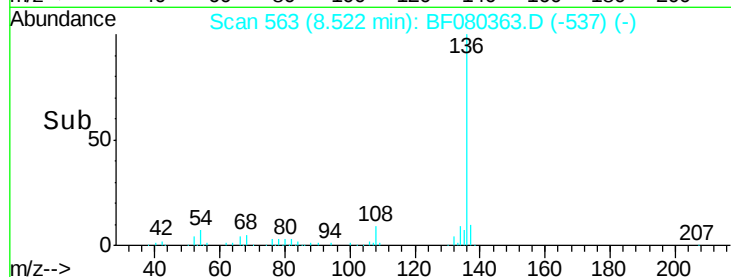
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.52 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampled :
SP-1

Tgt Ion:	136	Resp:	137656
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.8	5.8	8.8
68	5.2	4.6	6.8

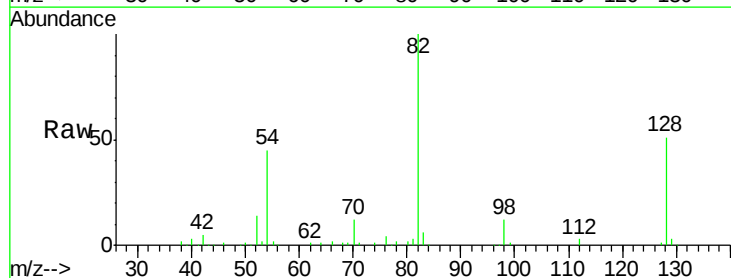


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

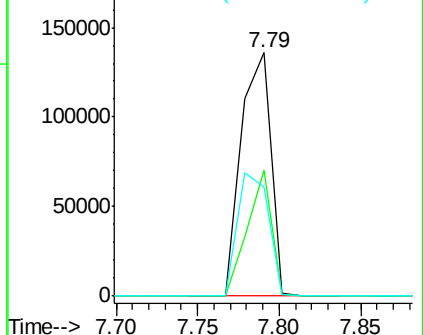
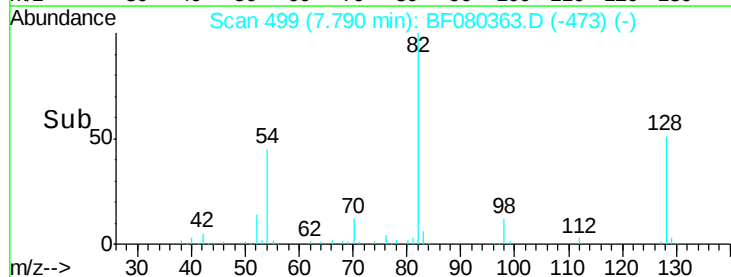


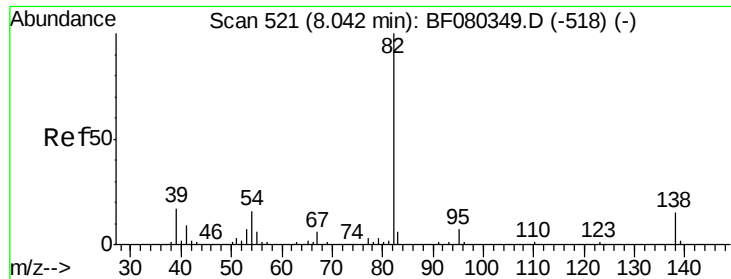
#23
Nitrobenzene-d5
Concen: 72.36 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.00 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion:	82	Resp:	170774
Ion	Ratio	Lower	Upper
82	100		
128	51.5	38.4	57.6
54	44.7	38.2	57.2



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

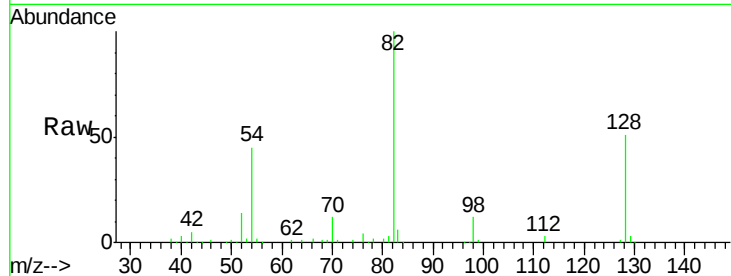




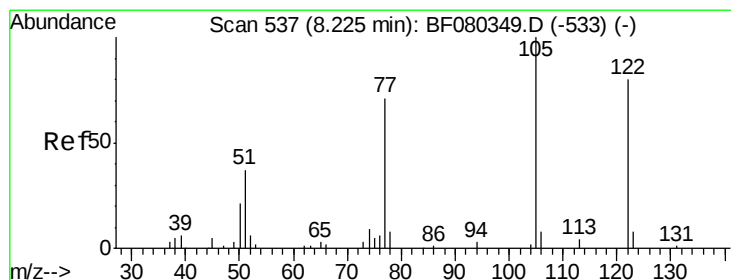
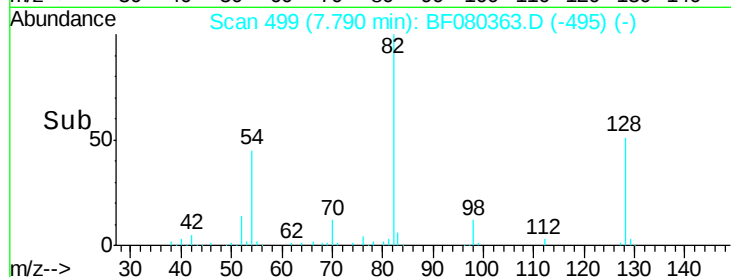
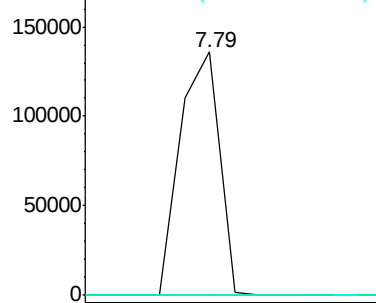
#25
Isophorone
Concen: 37.50 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.25 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampled :
SP-1

Tgt Ion: 82 Resp: 170355
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 12.0 18.0#

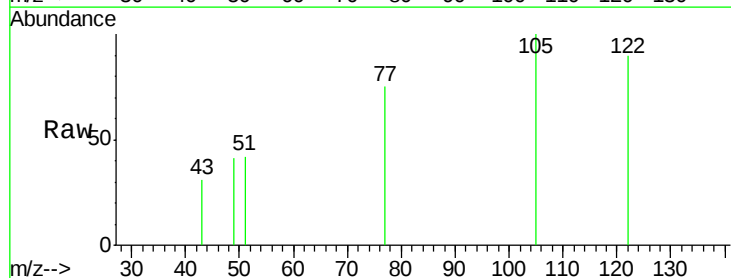


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

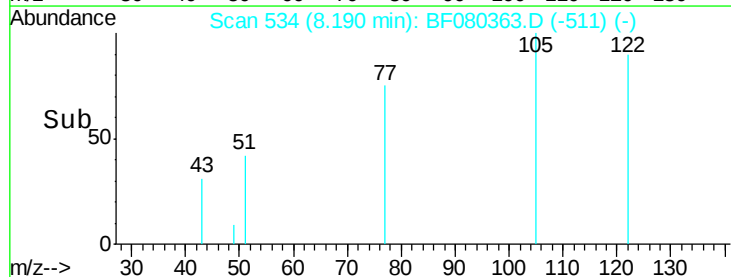
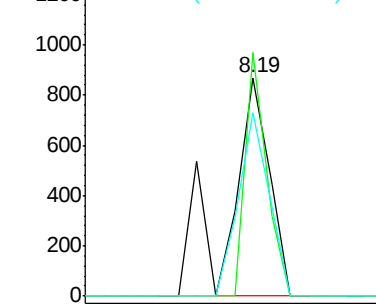


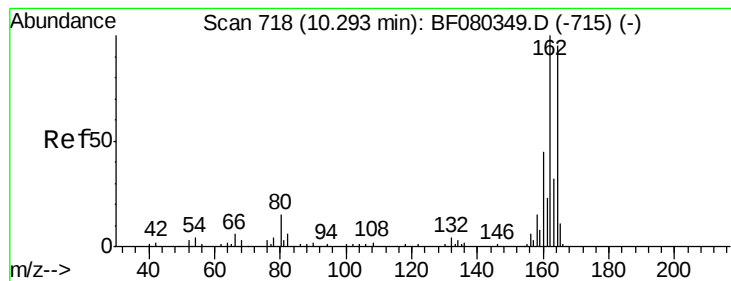
#32
Benzoic acid
Concen: 6.97 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.03 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion: 122 Resp: 1502
Ion Ratio Lower Upper
122 100
105 111.6 102.2 142.2
77 84.2 68.8 108.8



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: 10.29 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

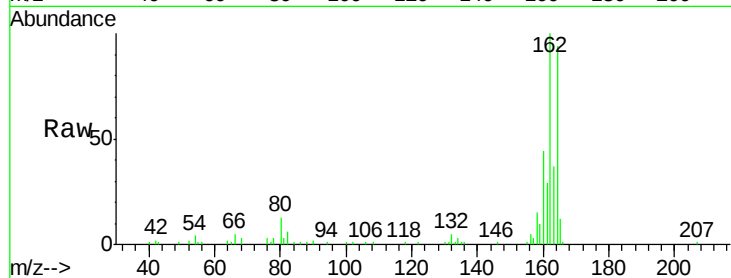
Tgt Ion:164 Resp: 65478

Ion Ratio Lower Upper

164 100

162 106.5 84.5 126.7

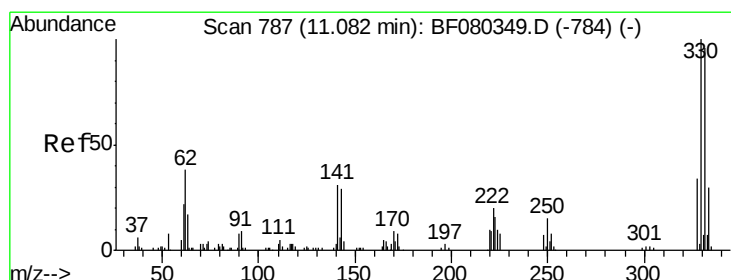
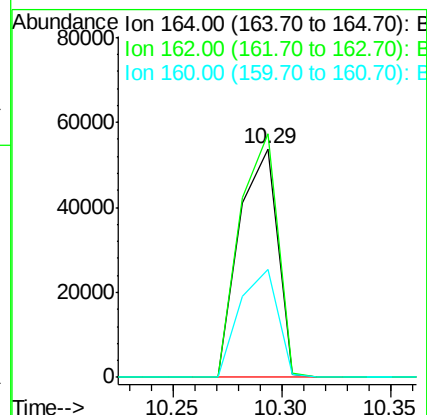
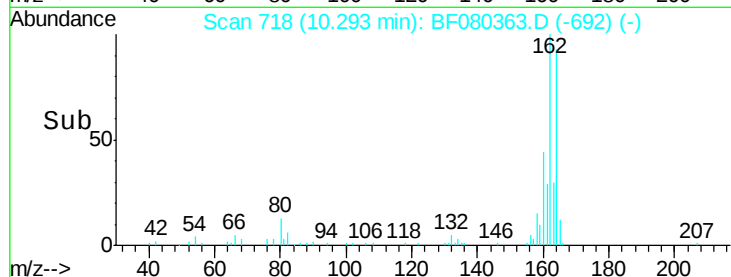
160 47.3 37.7 56.5



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: 119.60 ng

RT: 11.08 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

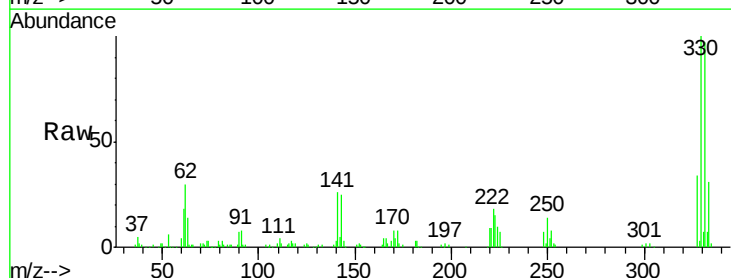
Tgt Ion:330 Resp: 81941

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.4

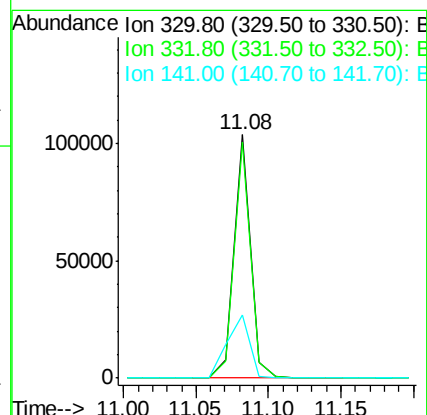
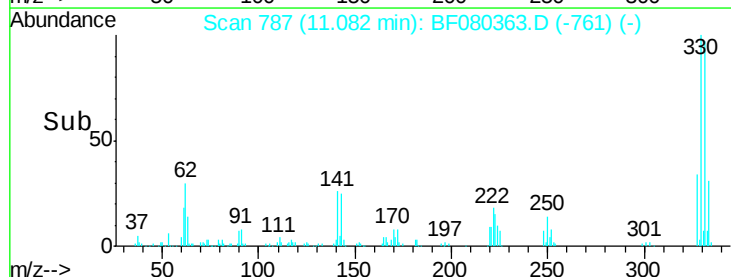
141 35.2 29.6 44.4

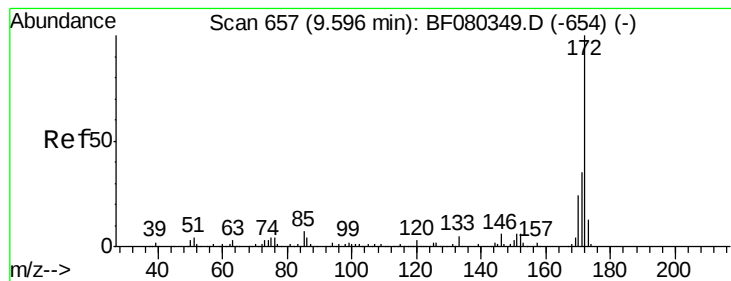


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

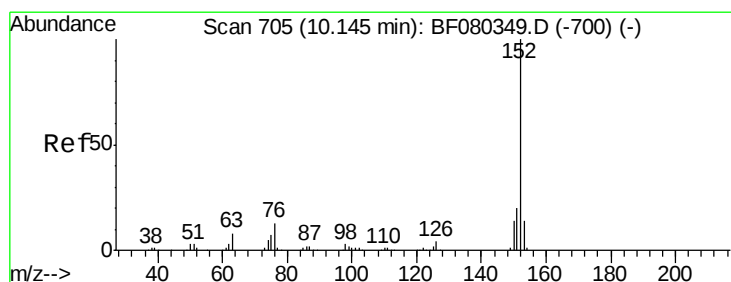
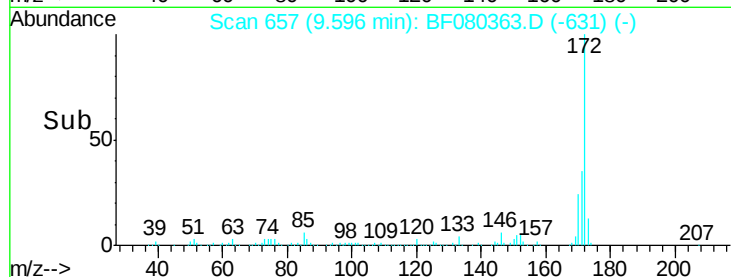
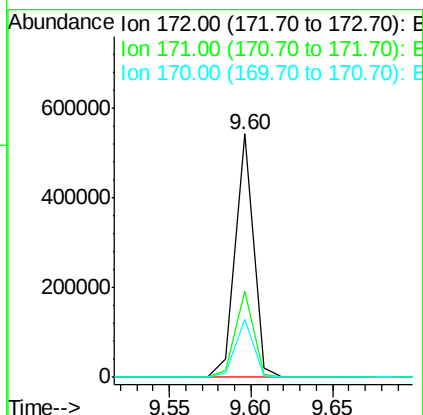
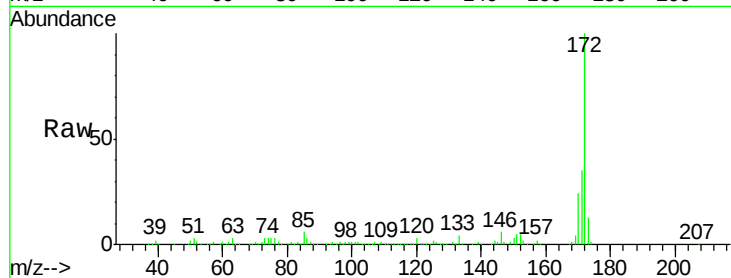




#44
 2-Fluorobiphenyl
 Concen: 85.25 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

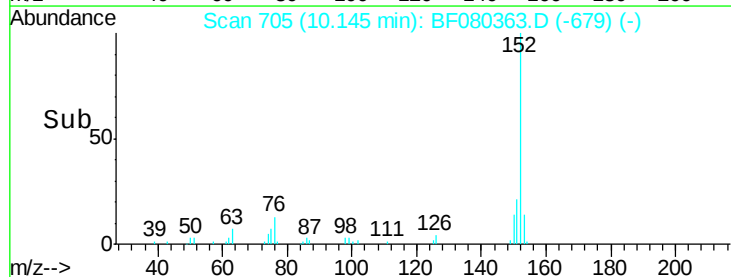
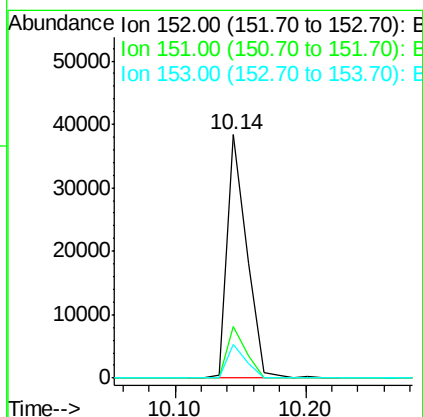
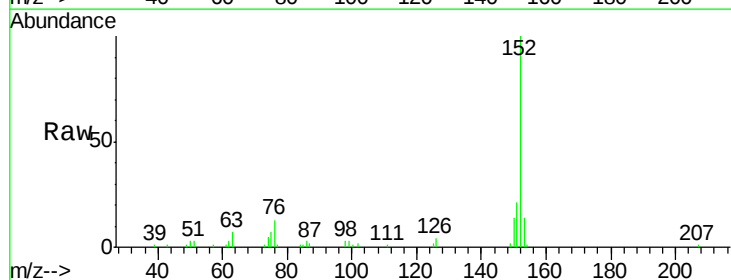
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

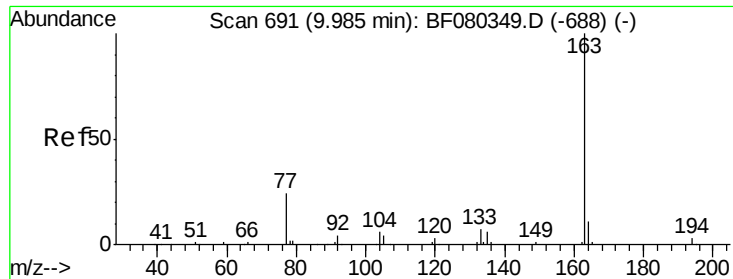
Tgt Ion:172 Resp: 413610
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.3 42.5
 170 23.9 19.1 28.7



#48
 Acenaphthylene
 Concen: 5.45 ng
 RT: 10.14 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion:152 Resp: 40217
 Ion Ratio Lower Upper
 152 100
 151 21.2 16.3 24.5
 153 13.7 11.0 16.4

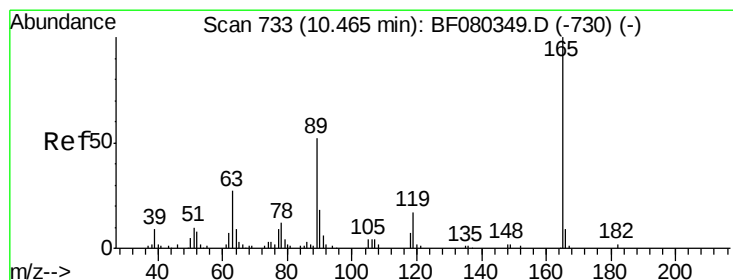
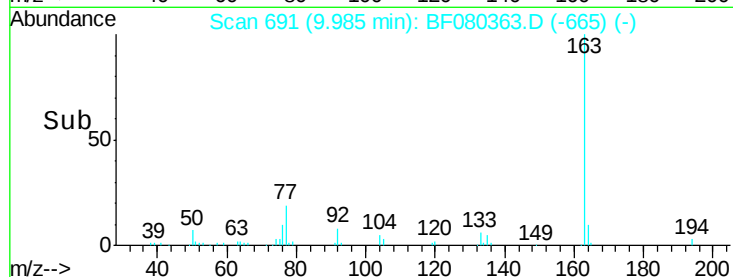
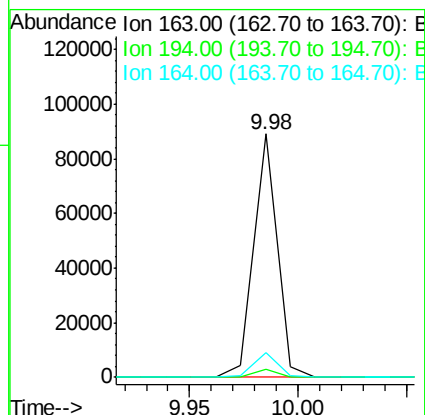
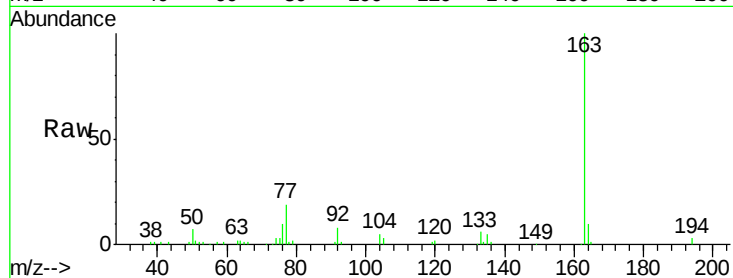




#49
Dimethylphthalate
Concen: 12.73 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

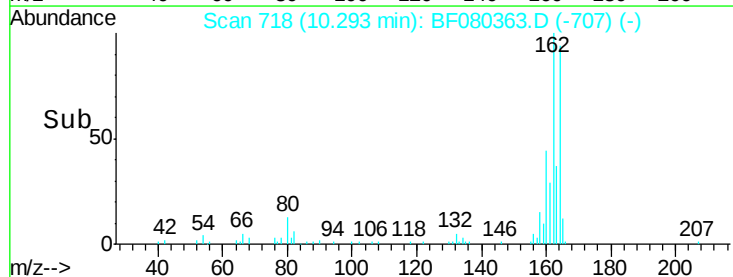
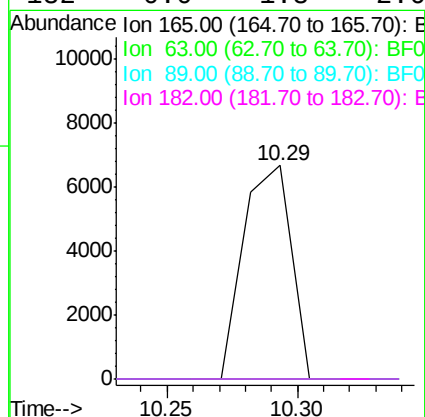
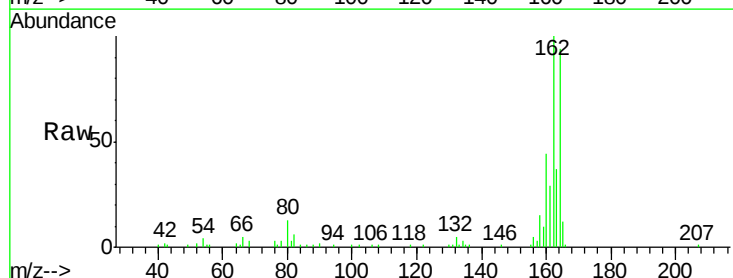
Instrument :
BNA_F
ClientSampleId :
SP-1

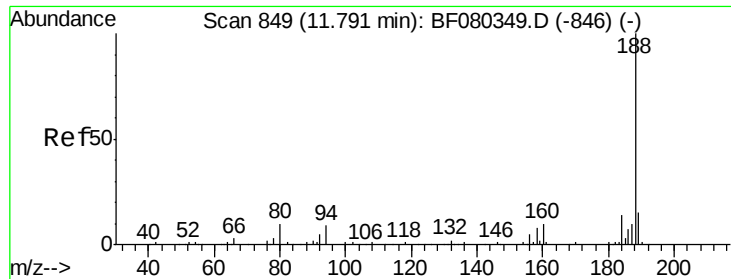
Tgt Ion:163 Resp: 66936
Ion Ratio Lower Upper
163 100
194 3.4 2.6 3.8
164 10.2 8.5 12.7



#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.17 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion:165 Resp: 8579
Ion Ratio Lower Upper
165 100
63 0.0 21.8 32.8#
89 0.0 41.3 61.9#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

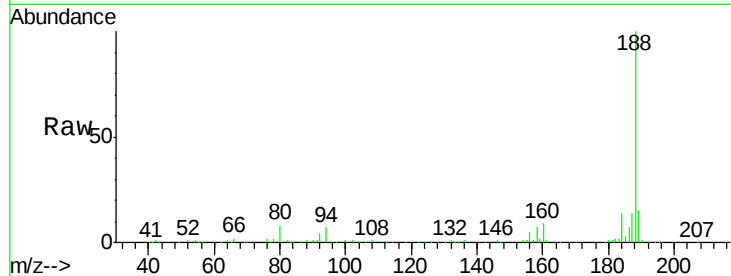
Tgt Ion:188 Resp: 139426

Ion Ratio Lower Upper

188 100

94 7.1 7.5 11.3#

80 7.6 8.3 12.5#



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

11.79

150000

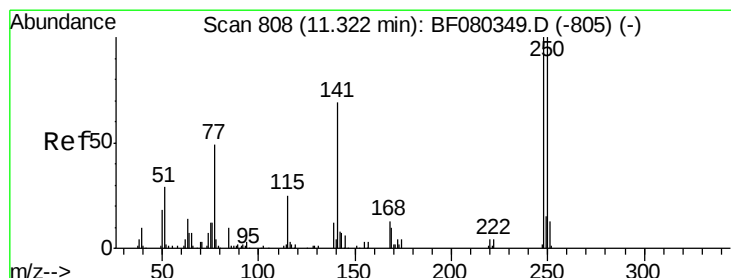
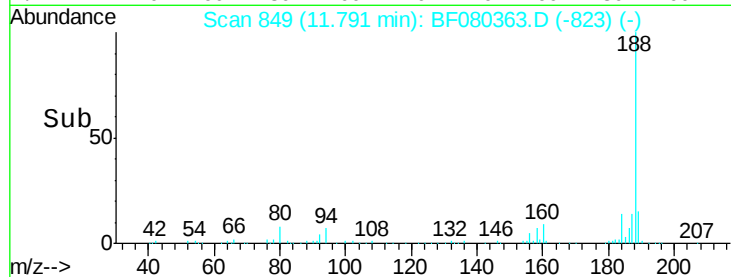
100000

50000

0

11.75 11.80

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.56 ng

RT: 11.08 min Scan# 787

Delta R.T. -0.24 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

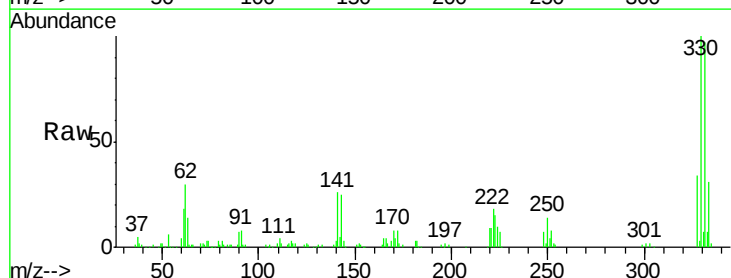
Tgt Ion:248 Resp: 5687

Ion Ratio Lower Upper

248 100

250 213.6 80.0 120.0#

141 386.7 54.8 82.2#



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

11.08

30000

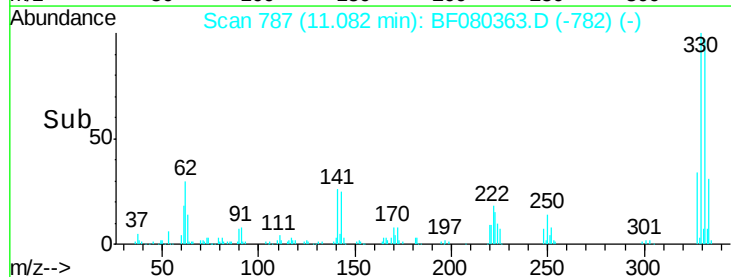
20000

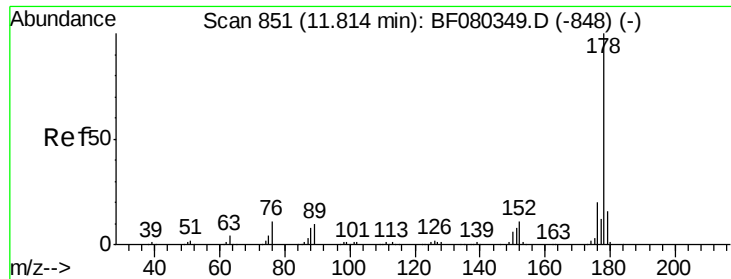
10000

0

11.05 11.10

Time-->

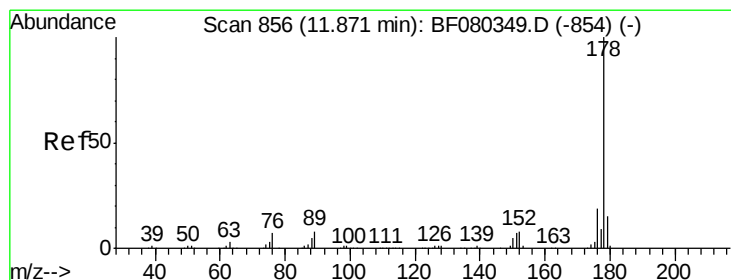
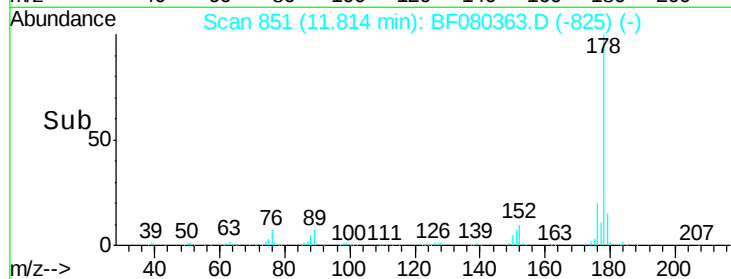
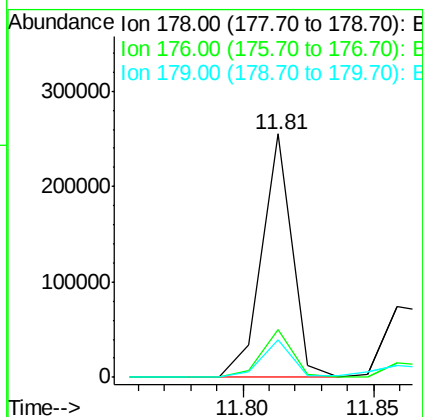
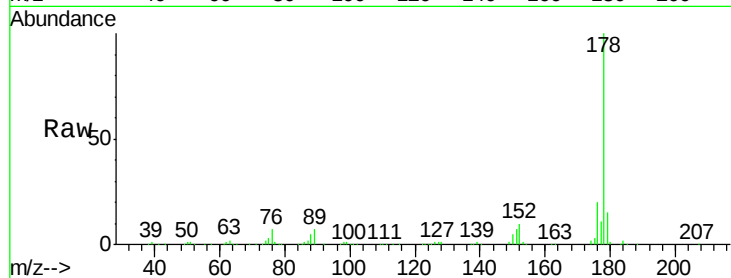




#70
Phenanthrene
Concen: 24.83 ng
RT: 11.81 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

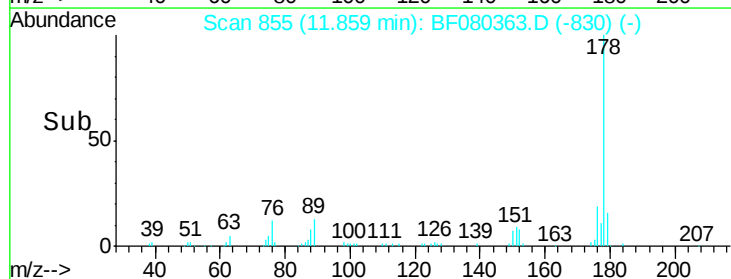
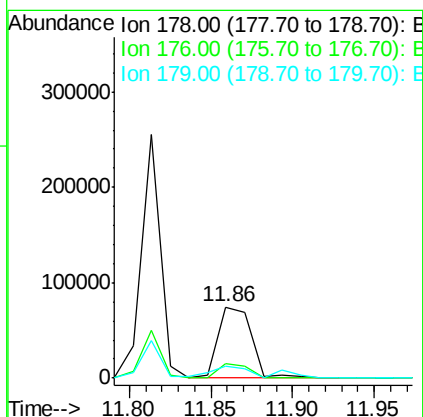
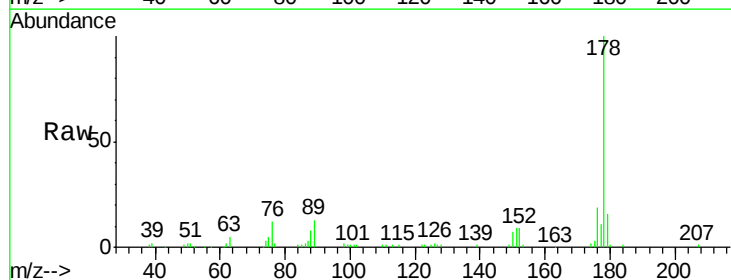
Instrument :
BNA_F
ClientSampleId :
SP-1

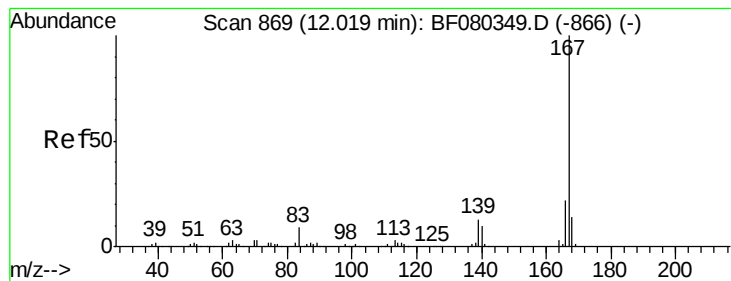
Tgt Ion:178 Resp: 207638
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 15.4 12.6 18.8



#71
Anthracene
Concen: 12.77 ng
RT: 11.86 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion:178 Resp: 104734
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.1 12.3 18.5





#72

Carbazole

Concen: 9.28 ng

RT: 12.02 min Scan# 869

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

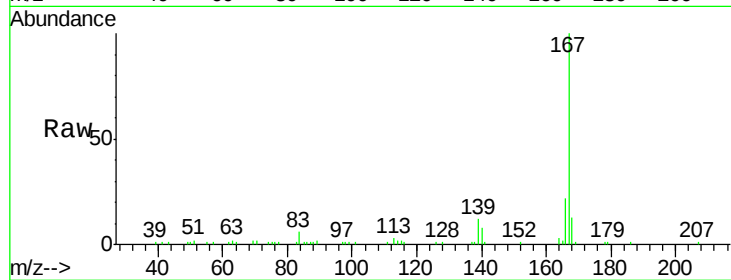
Tgt Ion:167 Resp: 70972

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.6

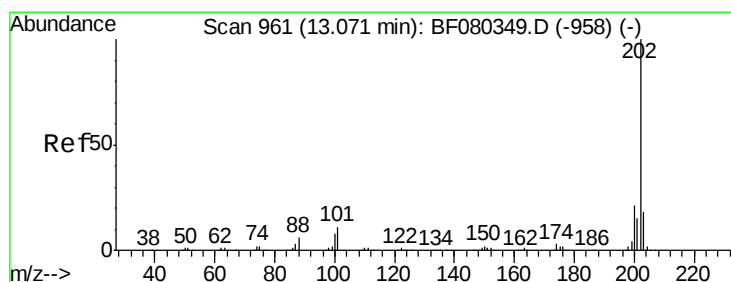
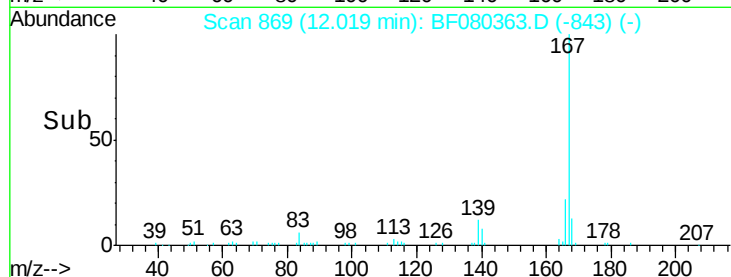
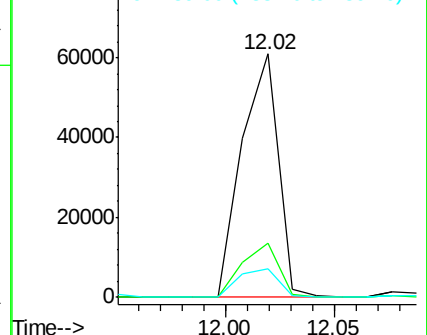
139 11.9 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 103.62 ng

RT: 13.06 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

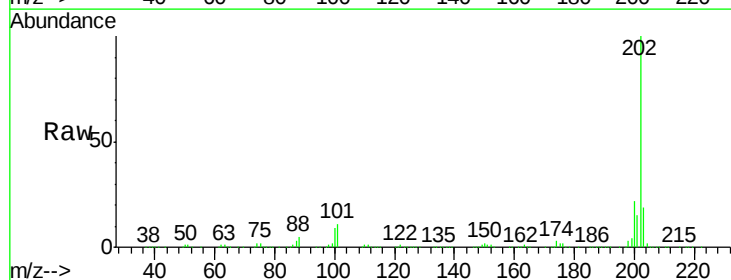
Tgt Ion:202 Resp: 931139

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.0

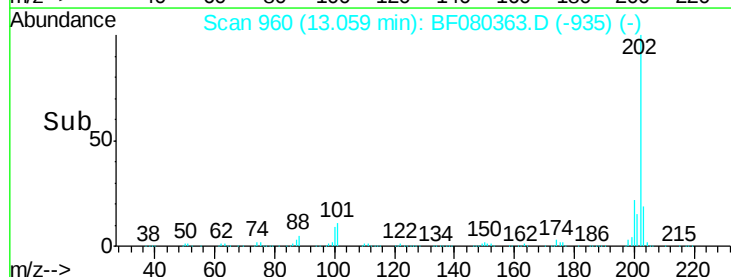
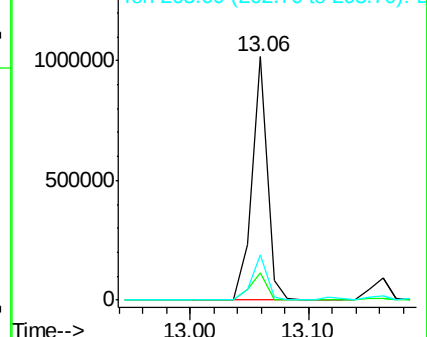
203 18.6 0.0 37.6

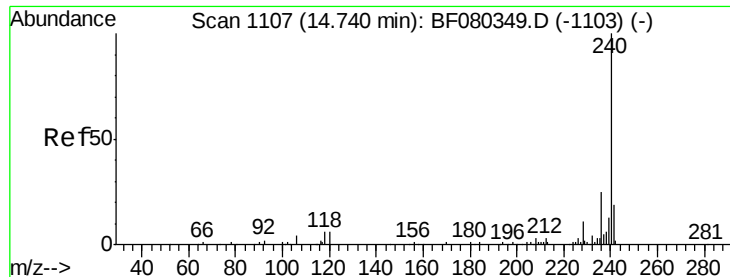


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.71 min Scan# 1104

Delta R.T. -0.03 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

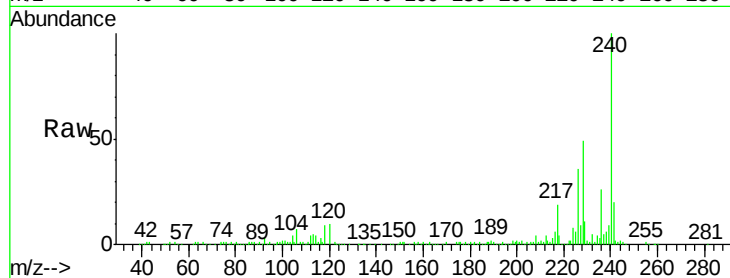
Tgt Ion:240 Resp: 152209

Ion Ratio Lower Upper

240 100

120 9.9 5.1 7.7#

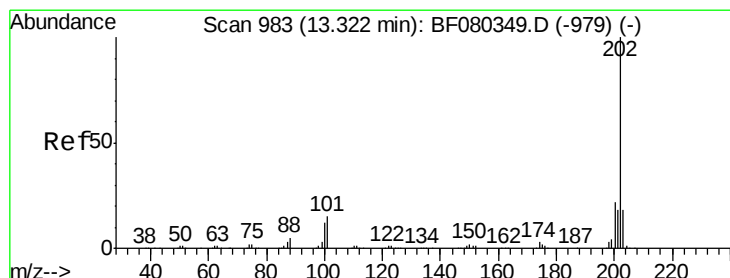
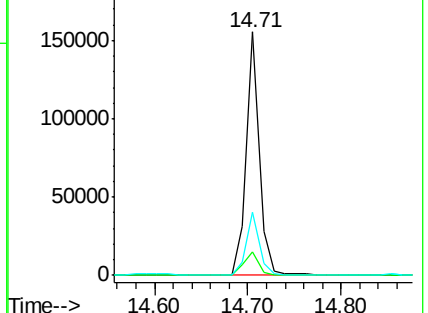
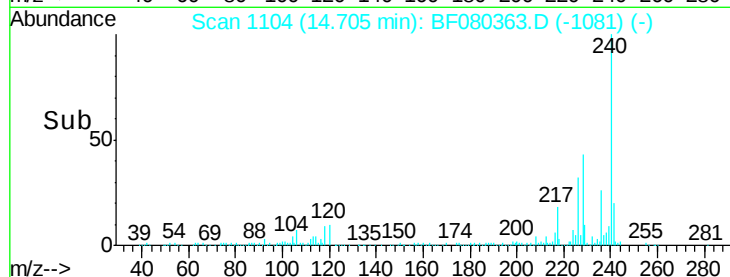
236 26.1 20.4 30.6



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: 91.26 ng

RT: 13.31 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

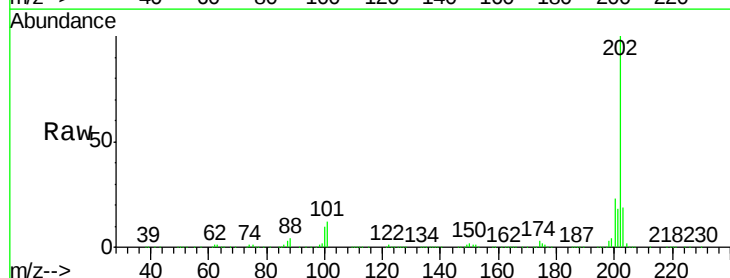
Tgt Ion:202 Resp: 840150

Ion Ratio Lower Upper

202 100

200 22.5 17.2 25.8

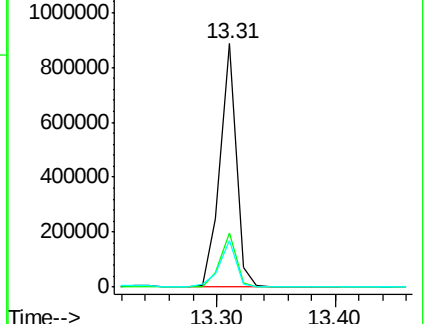
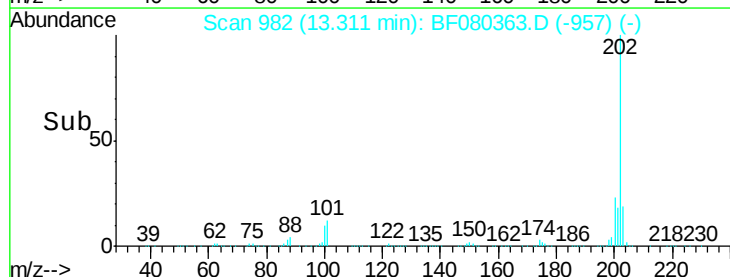
203 18.9 14.3 21.5

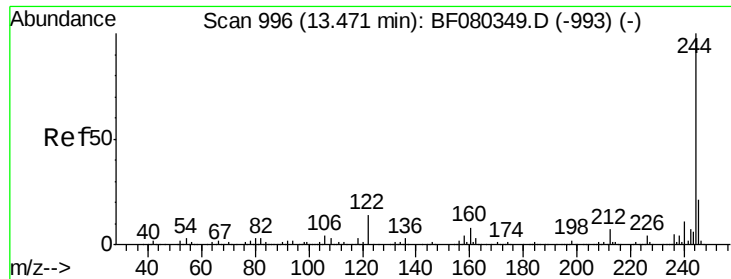


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

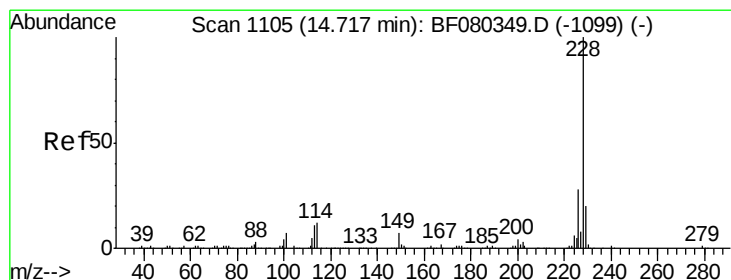
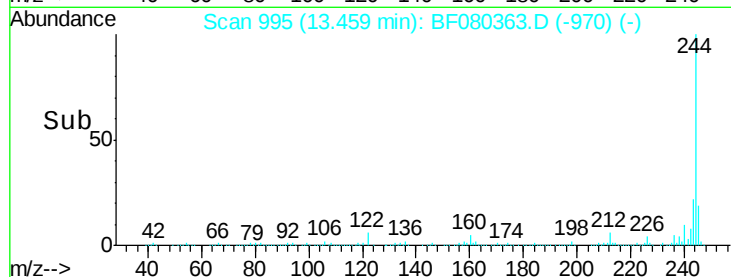
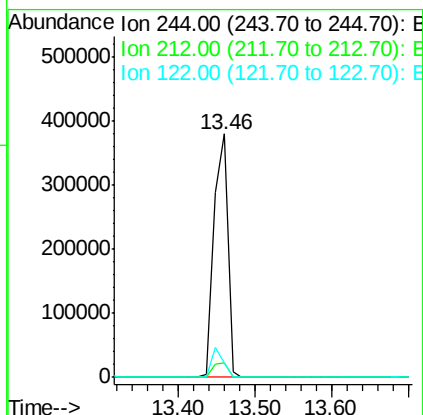
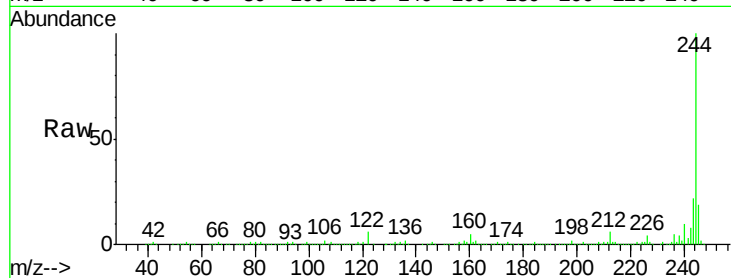




#78
 Terphenyl-d14
 Concen: 72.16 ng
 RT: 13.46 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

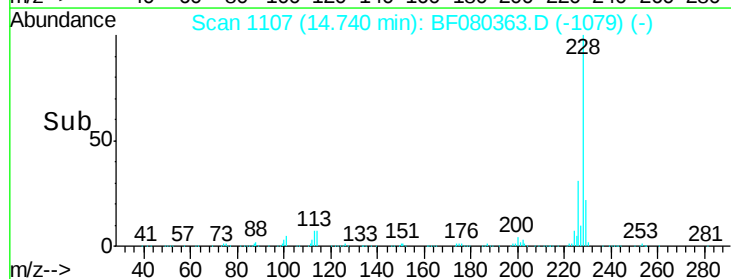
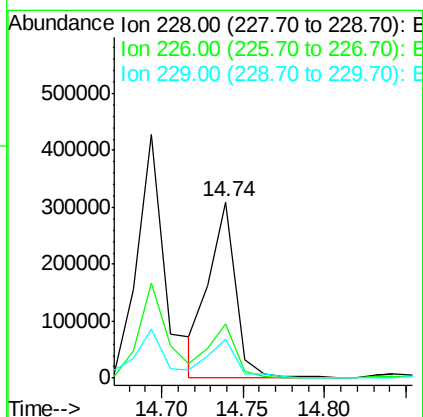
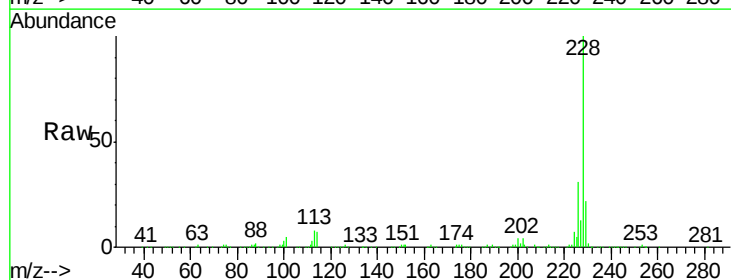
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

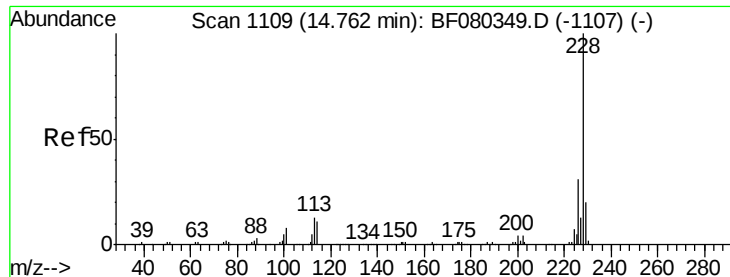
Tgt Ion:244 Resp: 470854
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.8 8.8
 122 6.1 11.1 16.7#



#80
 Benzo(a)anthracene
 Concen: 37.92 ng
 RT: 14.74 min Scan# 1107
 Delta R.T. 0.02 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion:228 Resp: 347859
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.2 33.4
 229 22.4 16.0 24.0





#82

Chrysene

Concen: 40.64 ng

RT: 14.74 min Scan# 1107

Delta R.T. -0.02 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

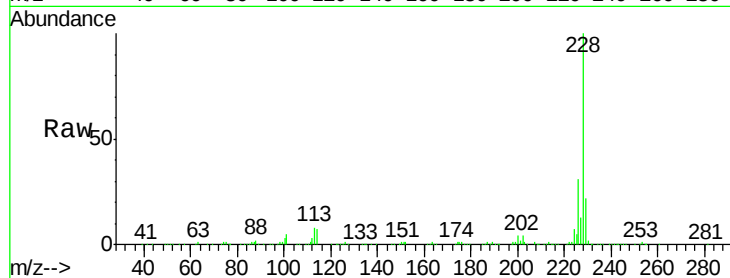
Tgt Ion:228 Resp: 348814

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.4

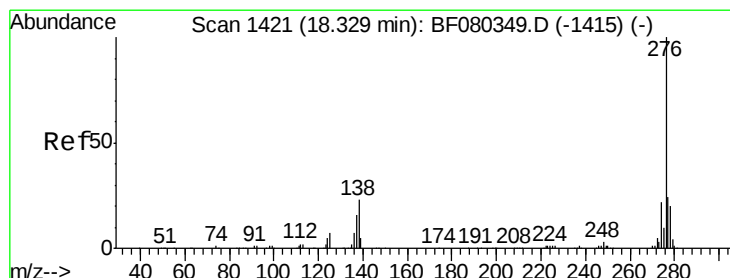
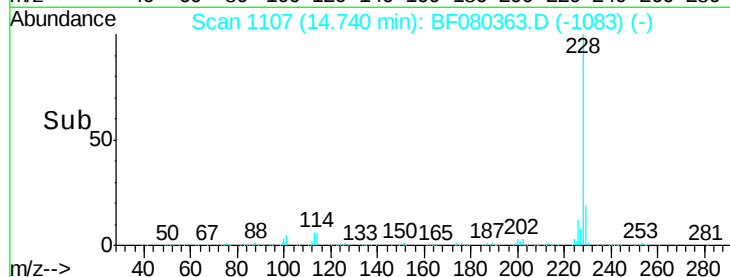
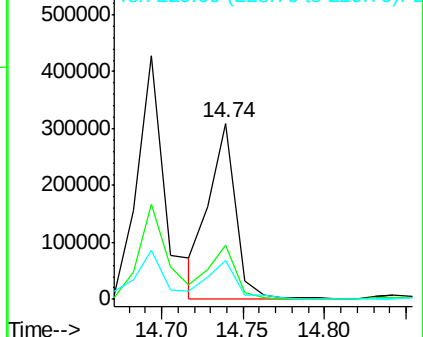
229 22.4 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 32.20 ng

RT: 18.31 min Scan# 1419

Delta R.T. -0.02 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

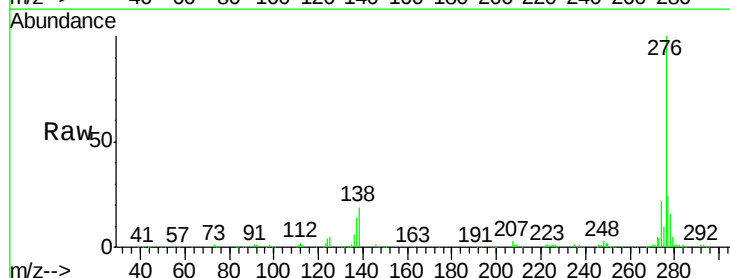
Tgt Ion:276 Resp: 324999

Ion Ratio Lower Upper

276 100

138 21.1 19.7 29.5

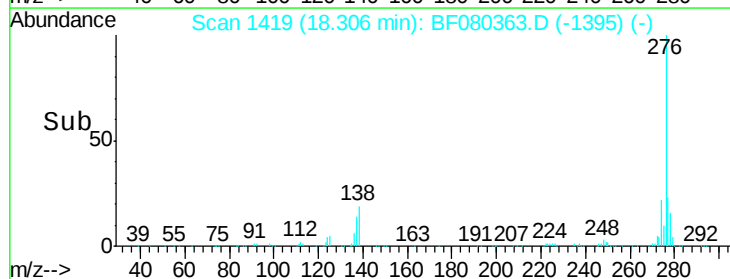
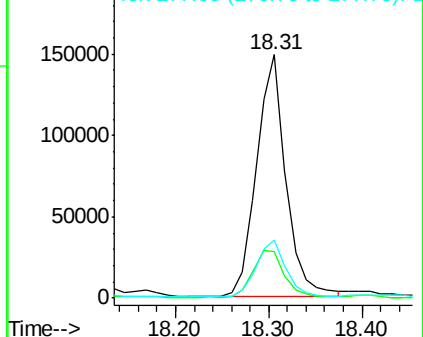
277 23.9 19.4 29.0

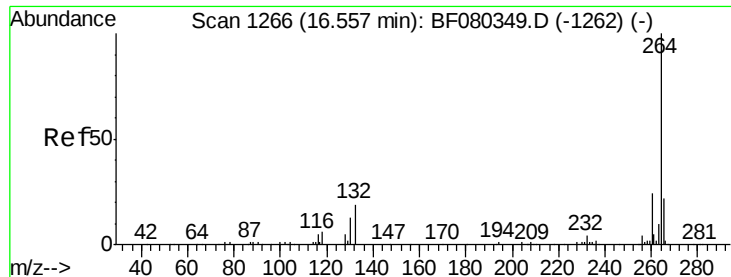


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



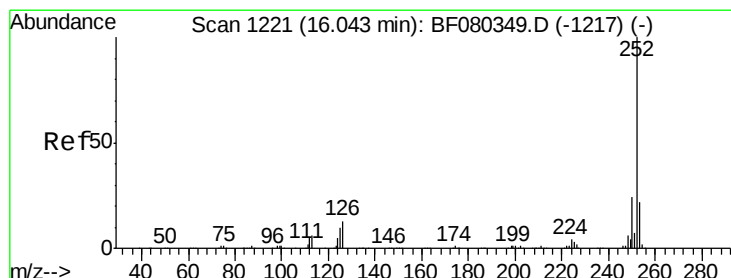
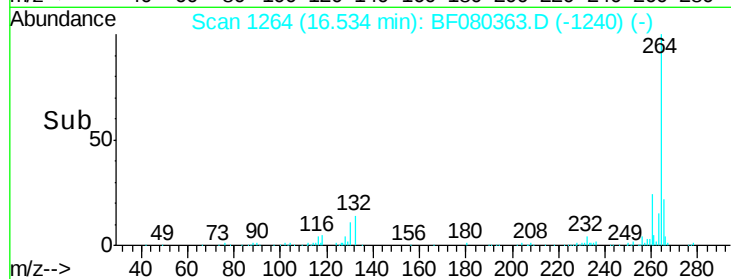
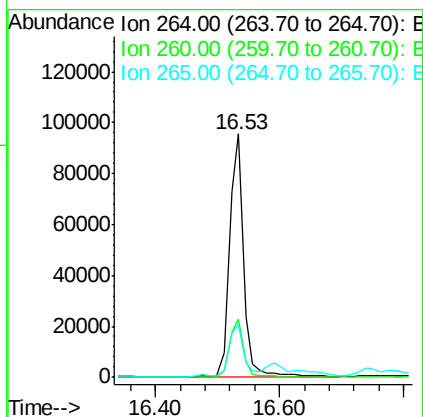
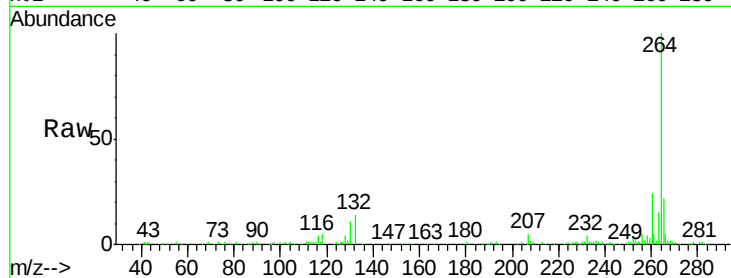


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.53 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion: 264 Resp: 151794

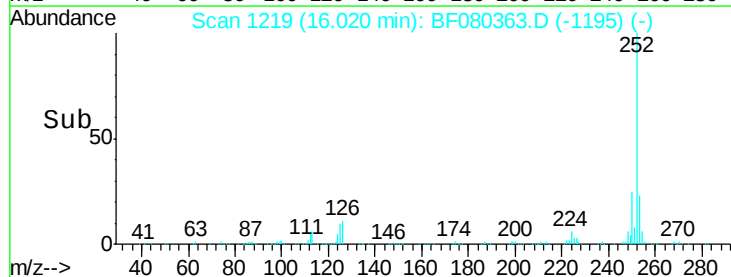
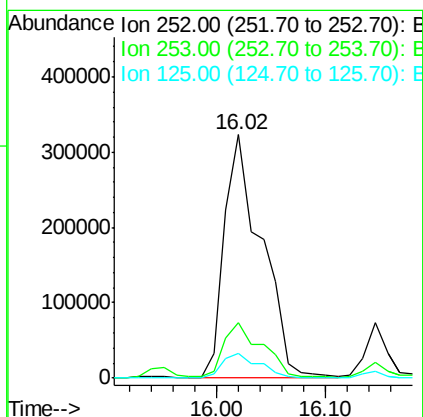
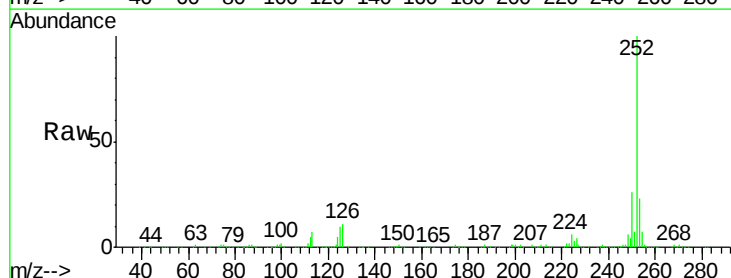
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.6	26.4

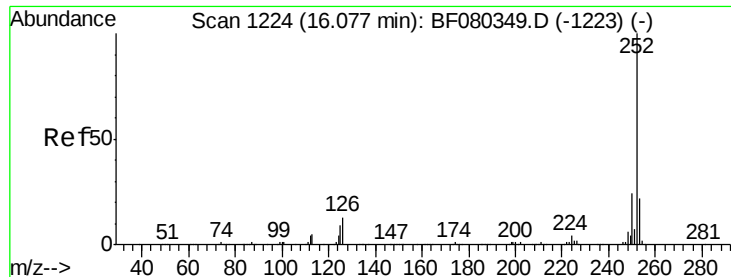


#87
Benzo(b)fluoranthene
Concen: 80.49 ng
RT: 16.02 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion: 252 Resp: 767832

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.4	7.7	11.5

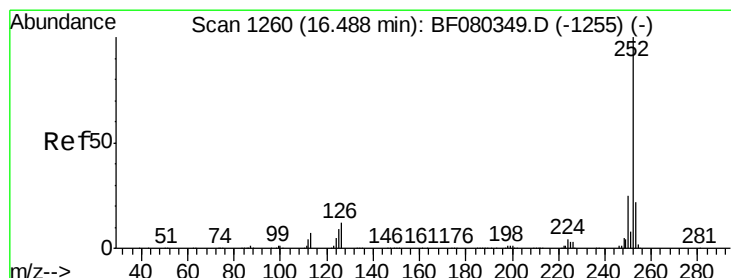
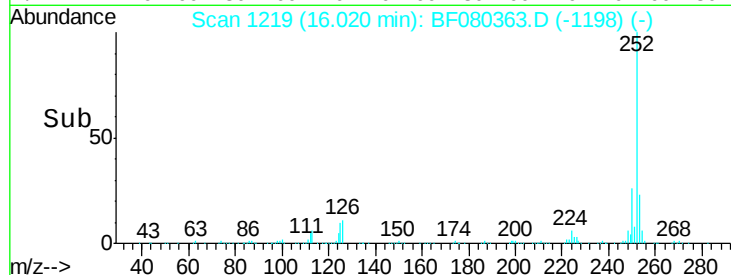
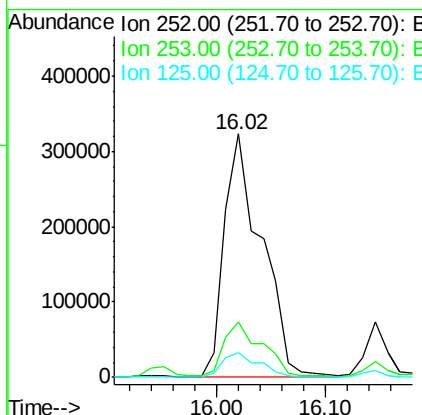
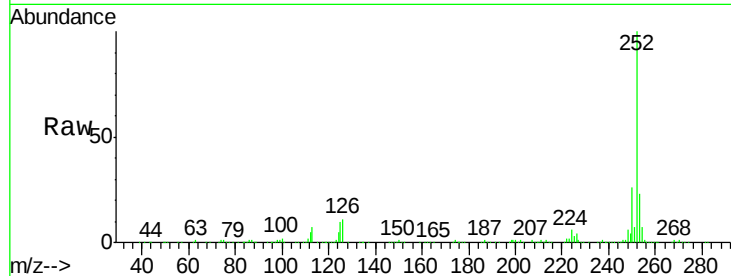




#88
Benzo(k)fluoranthene
Concen: 85.03 ng
RT: 16.02 min Scan# 1219
Delta R.T. -0.06 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

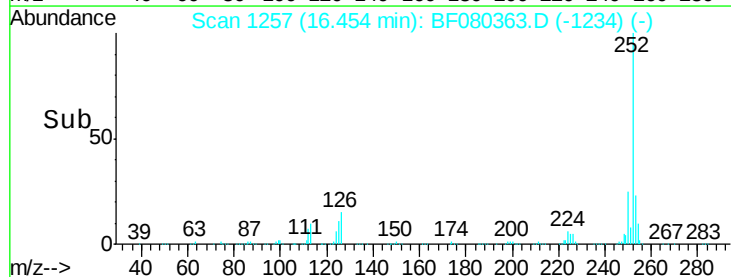
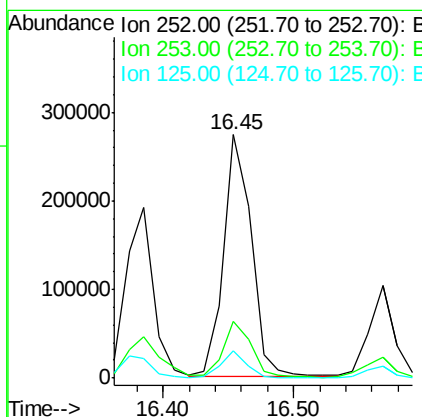
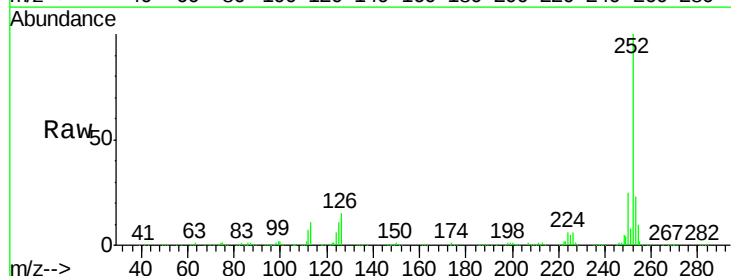
Instrument :
BNA_F
ClientSampleId :
SP-1

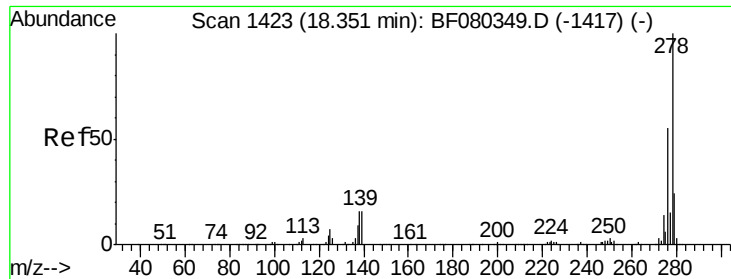
Tgt Ion:252 Resp: 767832
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 10.4 8.5 12.7



#89
Benzo(a)pyrene
Concen: 46.94 ng
RT: 16.45 min Scan# 1257
Delta R.T. -0.03 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion:252 Resp: 409476
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.3 7.3 10.9#





#90

Dibenzo(a,h)anthracene

Concen: 6.64 ng

RT: 18.32 min Scan# 1420

Delta R.T. -0.03 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampleId :

SP-1

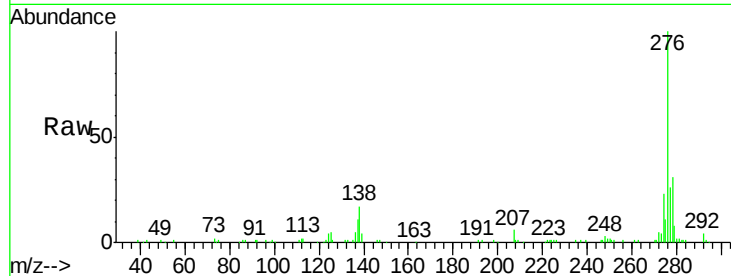
Tgt Ion:278 Resp: 57044

Ion Ratio Lower Upper

278 100

139 14.4 13.0 19.6

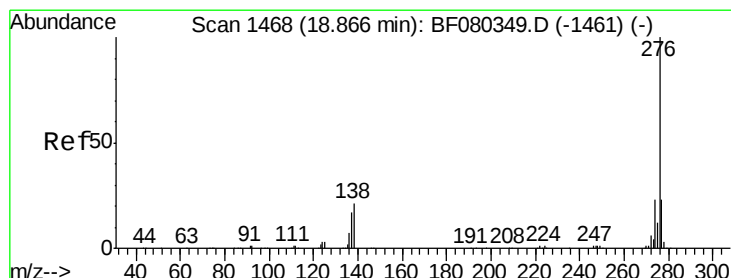
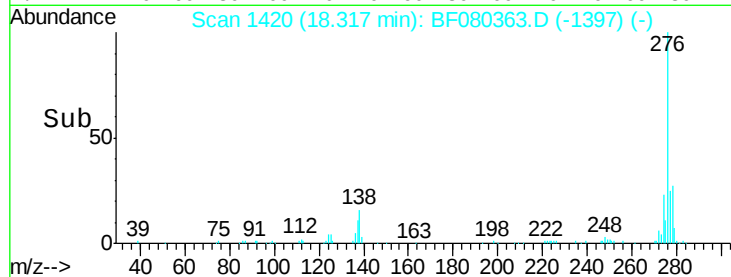
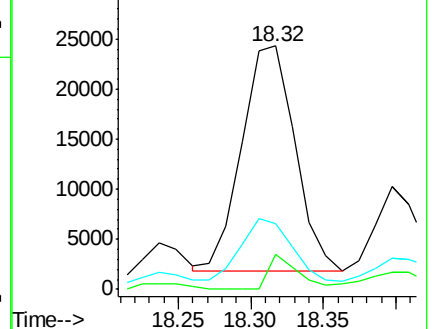
279 26.9 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 36.87 ng

RT: 18.84 min Scan# 1466

Delta R.T. -0.02 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

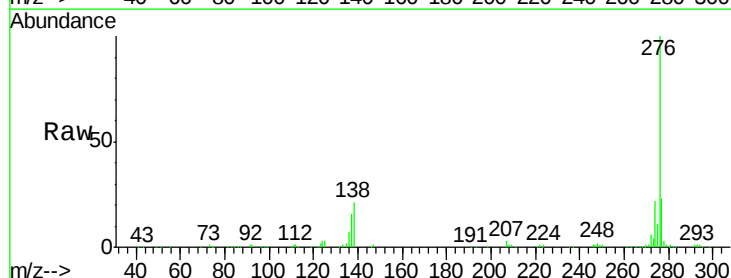
Tgt Ion:276 Resp: 321241

Ion Ratio Lower Upper

276 100

277 23.0 18.6 28.0

138 20.6 16.8 25.2



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

