

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
 Data File : BF083179.D
 Acq On : 23 Nov 2015 1:05
 Operator : UM/IZ
 Sample : G4496-05
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Quant Time: Nov 23 03:43:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

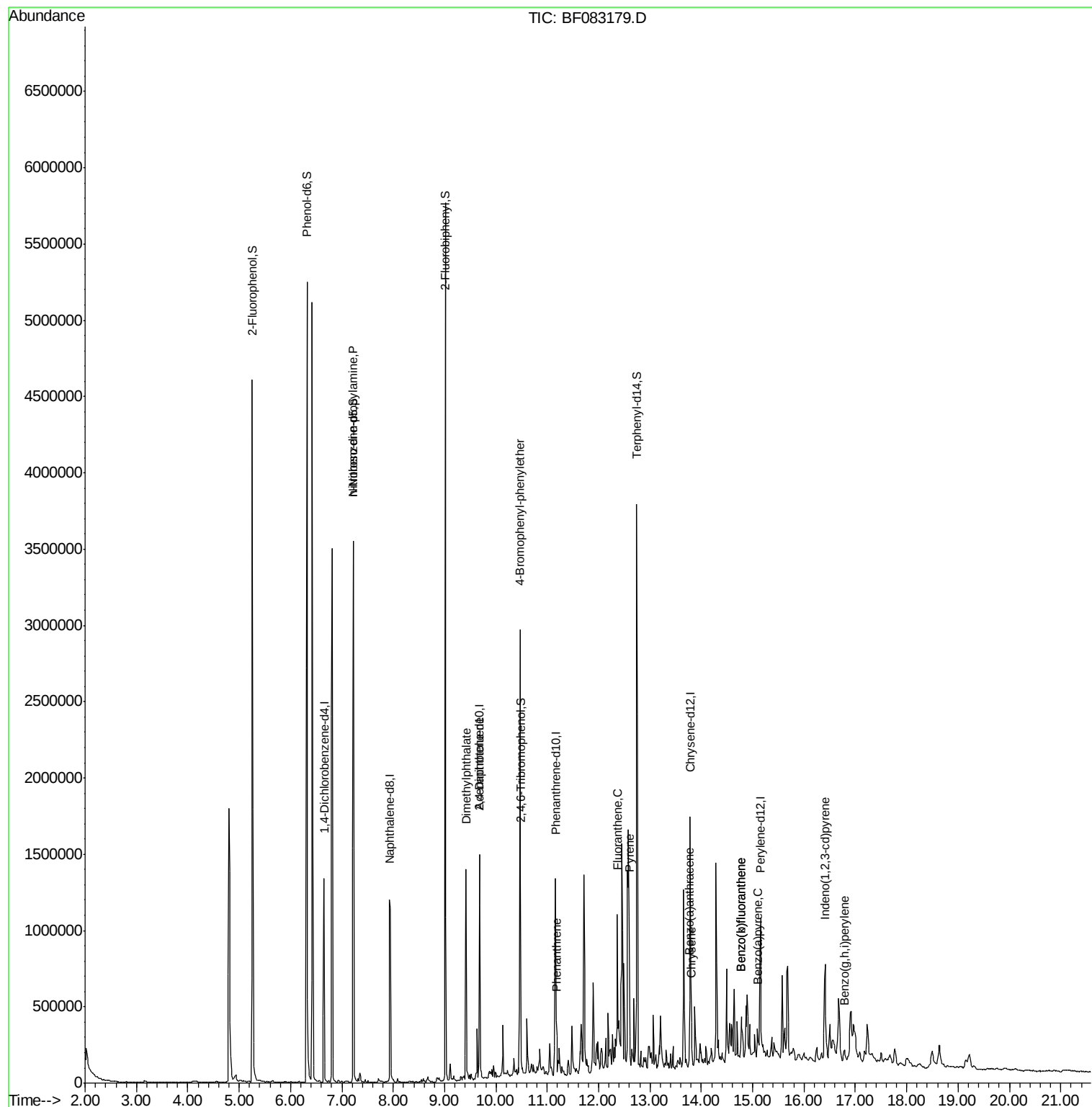
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	215895	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	787584	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	383954	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	662469	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	500829	20.00	ng	-0.02
86) Perylene-d12	15.15	264	463128	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1432613	100.32	ng	-0.02
7) Phenol-d6	6.32	99	2075990	112.36	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1333615	77.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	384262	97.82	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1824116	66.25	ng	-0.01
78) Terphenyl-d14	12.74	244	1458484	68.58	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.22	77	1478	Below Cal	#	62
19) n-Nitroso-di-n-propylamine	7.22	70	179817	13.98	ng	# 75
49) Dimethylphthalate	9.42	163	519357	17.57	ng	99
56) 2,4-Dinitrotoluene	9.68	165	49005	5.83	ng	# 11
66) 4-Bromophenyl-phenylether	10.47	248	24355	3.31	ng	# 1
70) Phenanthrene	11.19	178	129221	3.39	ng	98
74) Fluoranthene	12.36	202	294257	7.53	ng	98
77) Pyrene	12.59	202	232395	6.79	ng	98
80) Benzo(a)anthracene	13.77	228	114596	3.70	ng	99
82) Chrysene	13.81	228	95354	3.32	ng	97
85) Indeno(1,2,3-cd)pyrene	16.41	276	56292	2.15	ng	97
87) Benzo(b)fluoranthene	14.78	252	176496	5.58	ng	# 96
88) Benzo(k)fluoranthene	14.78	252	176496	7.49	ng	# 97
89) Benzo(a)pyrene	15.10	252	84825	3.25	ng	# 94
91) Benzo(a,h,i)perylene	16.79	276	52366	2.26	ng	# 94

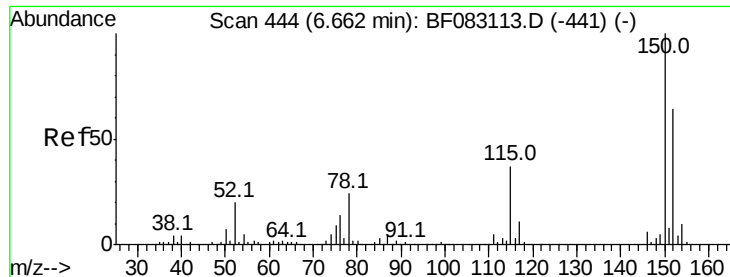
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
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QLast Update : Sun Nov 22 09:22:46 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

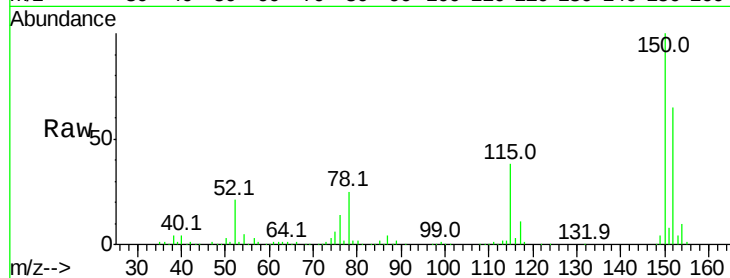
Tot Ion:152 Resp: 215895

Ion Ratio Lower Upper

152 100

150 154.9 125.8 188.8

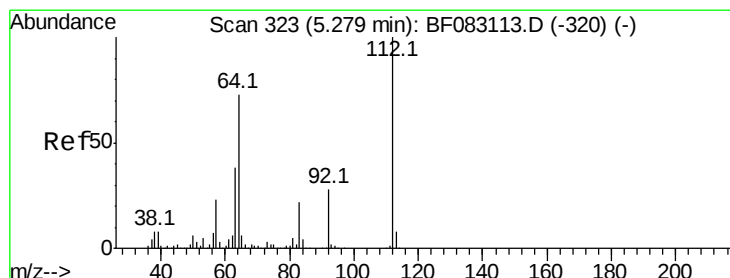
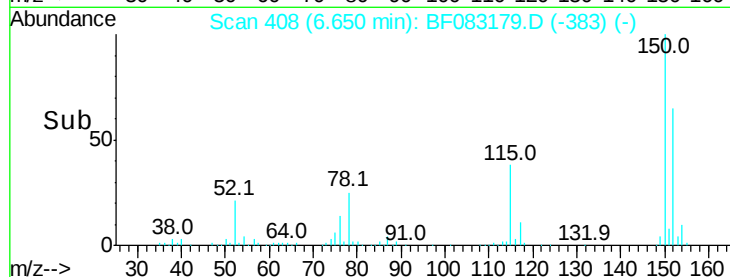
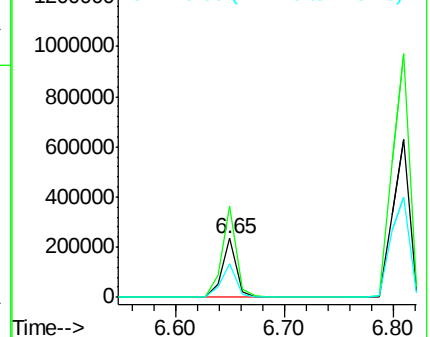
115 58.1 46.9 70.3



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: 100.32 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

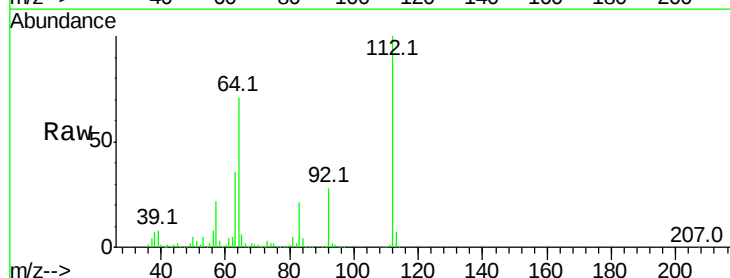
Tgt Ion:112 Resp: 1432613

Ion Ratio Lower Upper

112 100

64 70.7 58.4 87.6

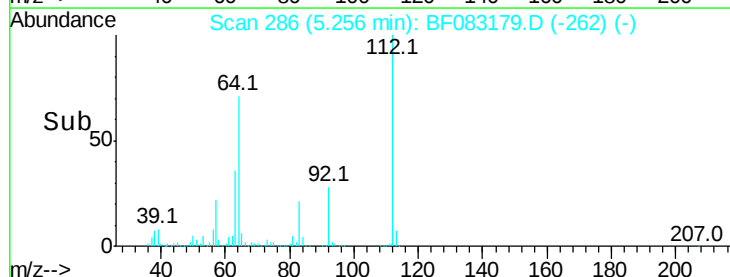
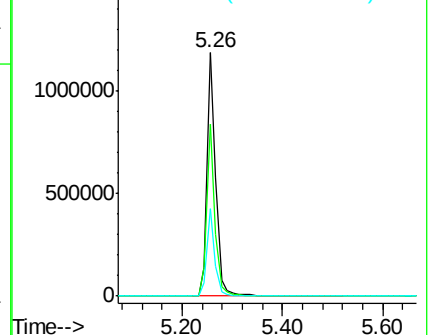
63 35.8 30.0 45.0

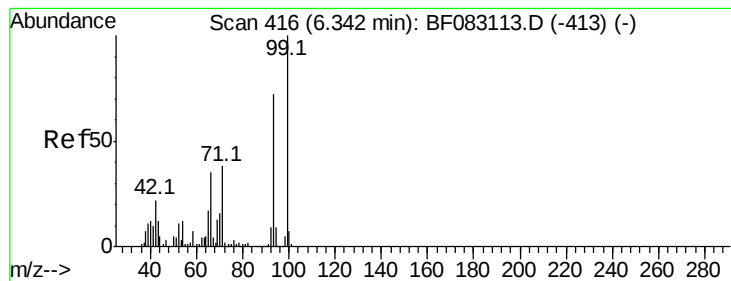


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.36 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

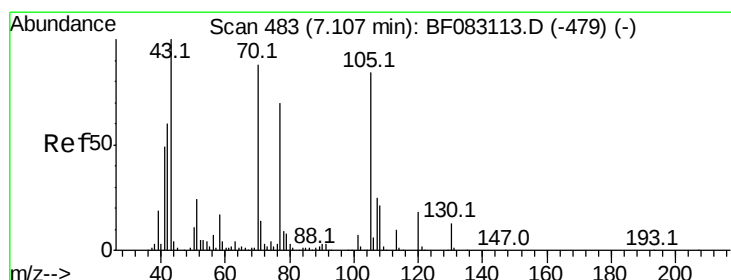
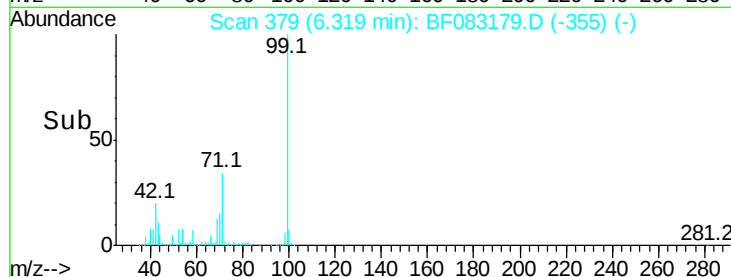
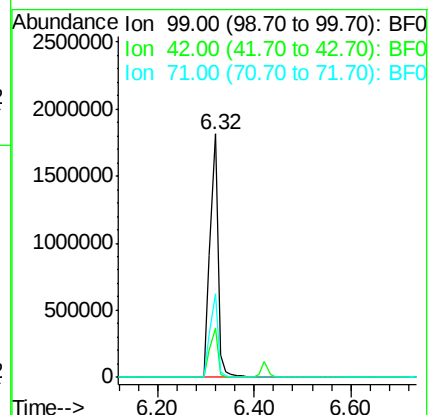
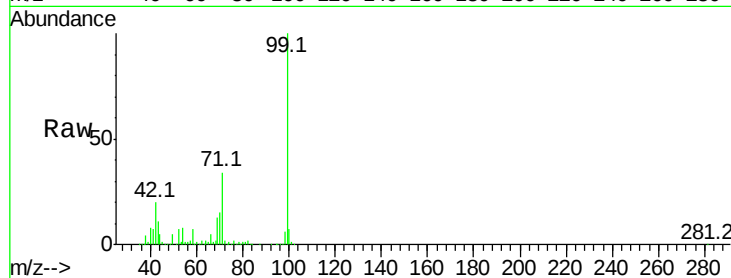
Tot Ion: 99 Resp: 2075990

Ion Ratio Lower Upper

99 100

42 20.2 17.7 26.5

71 34.3 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.98 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Tgt Ion: 70 Resp: 179817

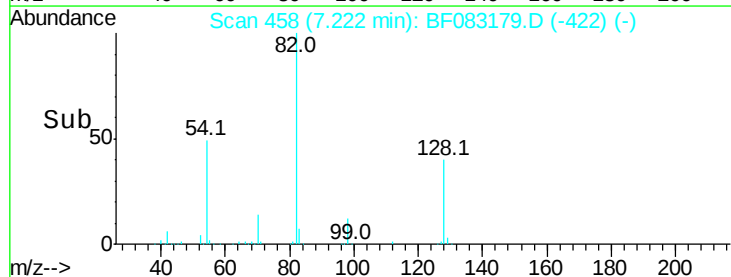
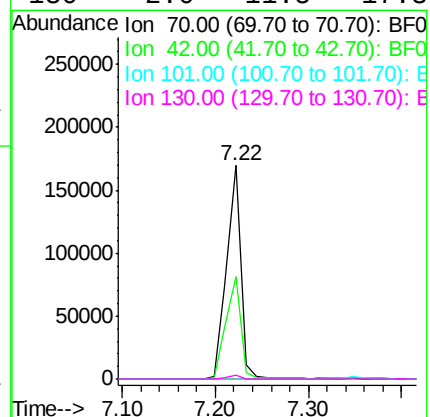
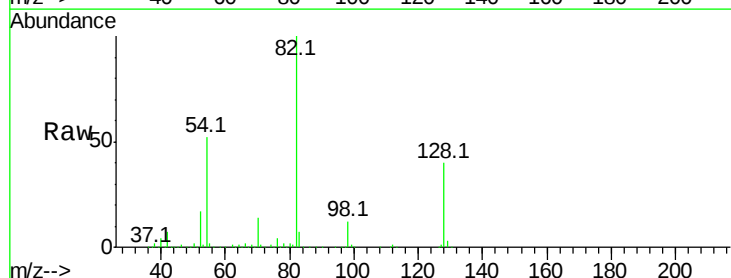
Ion Ratio Lower Upper

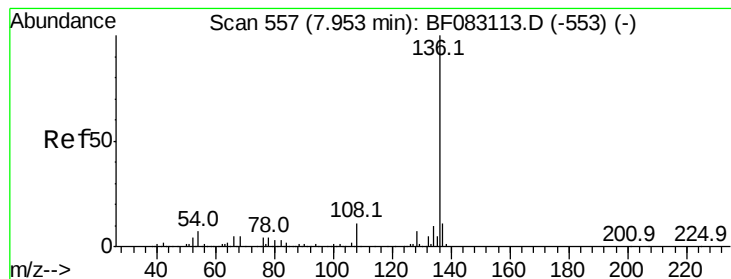
70 100

42 48.1 54.5 81.7#

101 0.0 6.6 9.8#

130 2.0 11.5 17.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

Tot Ion:136 Resp: 787584

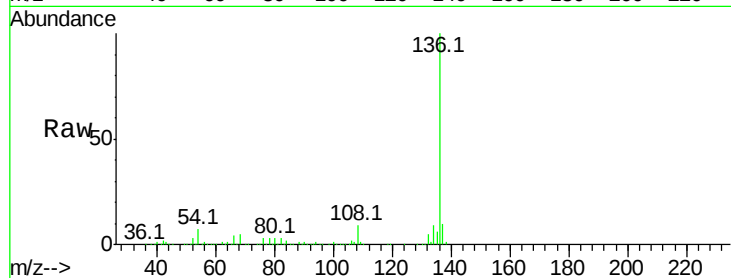
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 6.9 5.8 8.6

68 5.4 3.8 5.8

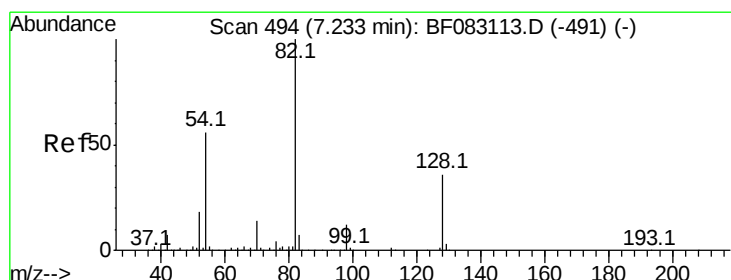
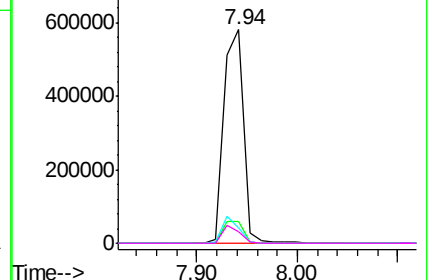
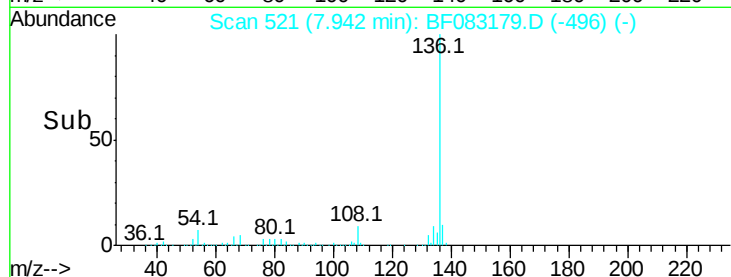


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.37 ng

RT: 7.22 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

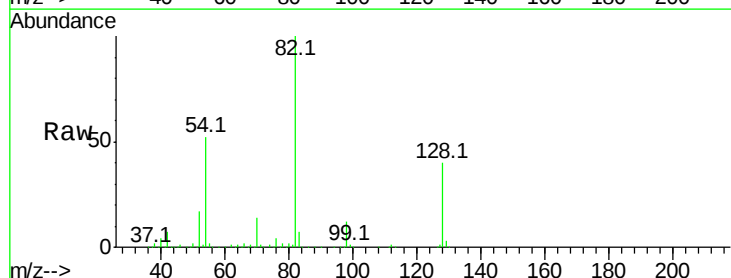
Tgt Ion: 82 Resp: 1333615

Ion Ratio Lower Upper

82 100

128 39.7 28.5 42.7

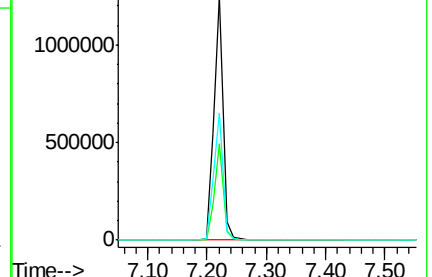
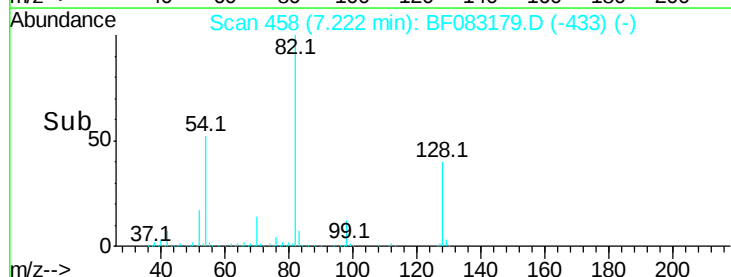
54 52.4 44.6 67.0

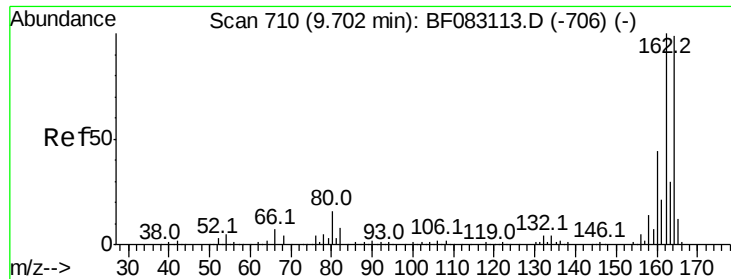


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

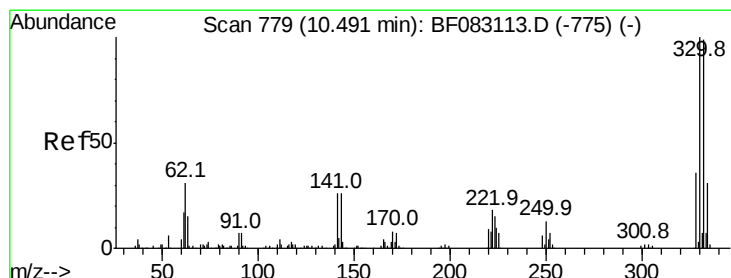
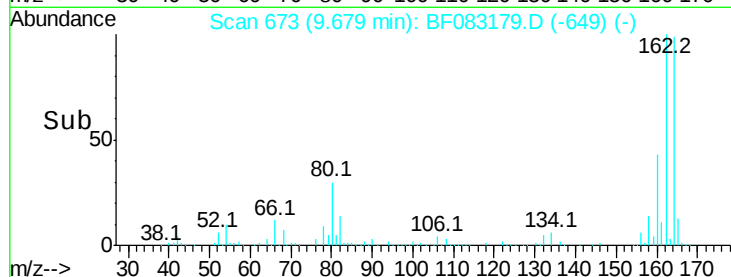
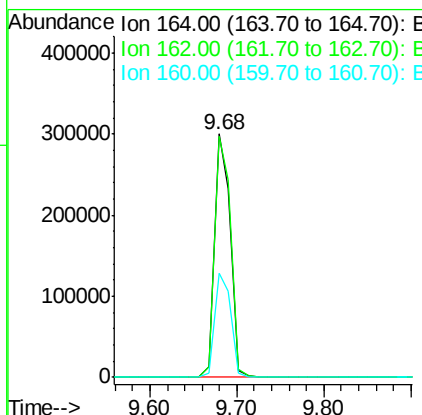
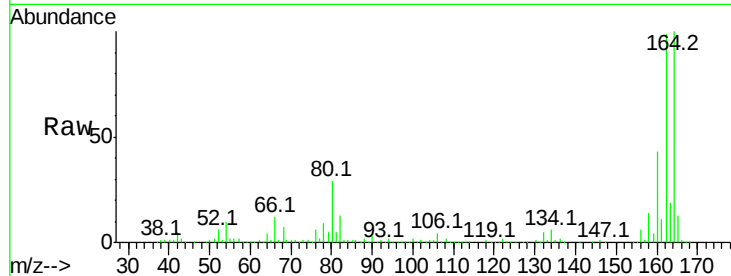




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083179.D
 Acq: 23 Nov 2015 1:05

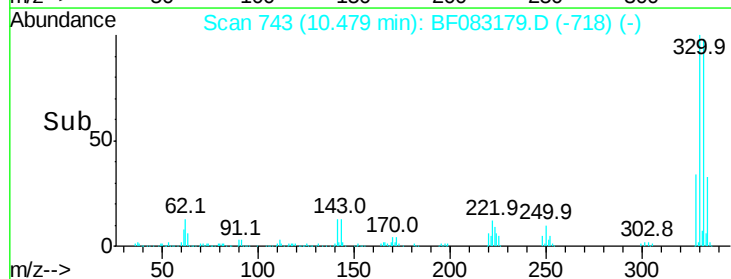
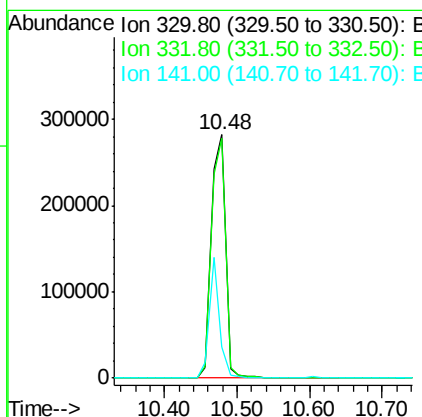
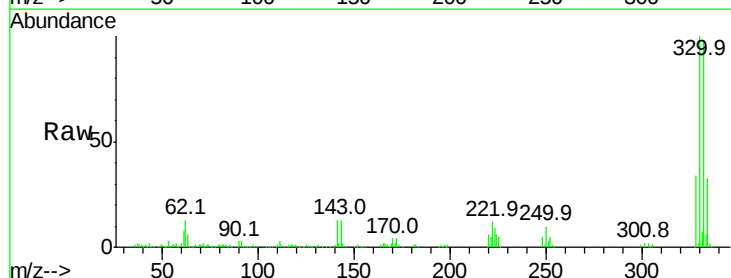
Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

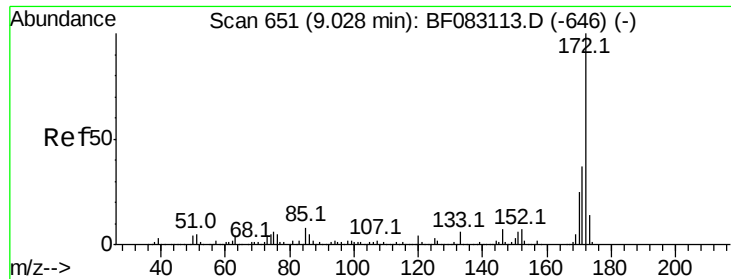
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.2	121.8
160	42.7	35.6	53.4



#41
 2,4,6-Tribromophenol
 Concen: 97.82 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083179.D
 Acq: 23 Nov 2015 1:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.7	116.5
141	36.0	29.7	44.5





#44

2-Fluorobiphenyl

Concen: 66.25 ng

RT: 9.02 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

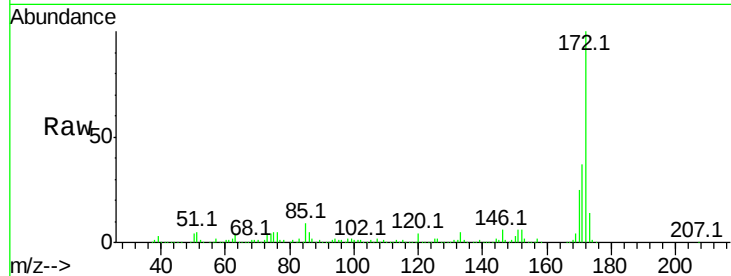
Tot Ion:172 Resp: 1824116

Ion Ratio Lower Upper

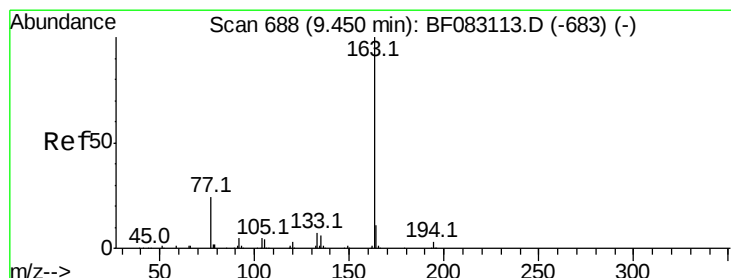
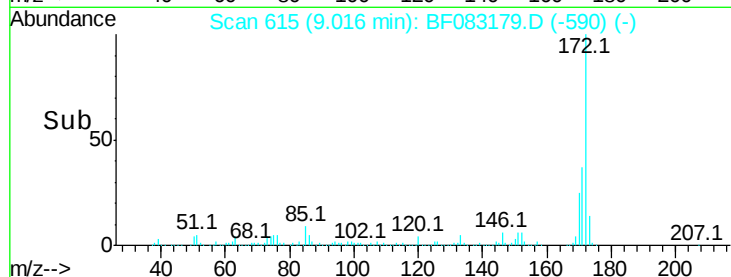
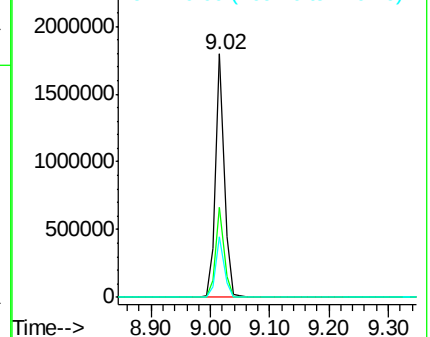
172 100

171 36.8 29.5 44.3

170 24.8 19.9 29.9



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: 17.57 ng

RT: 9.42 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

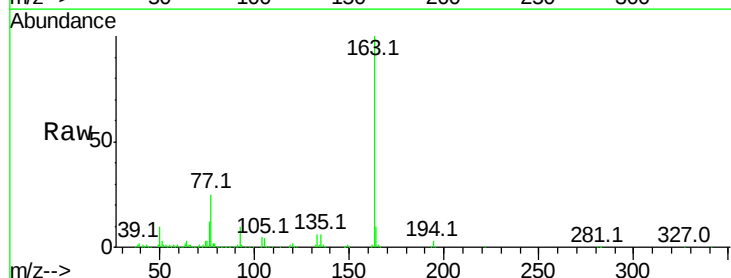
Tgt Ion:163 Resp: 519357

Ion Ratio Lower Upper

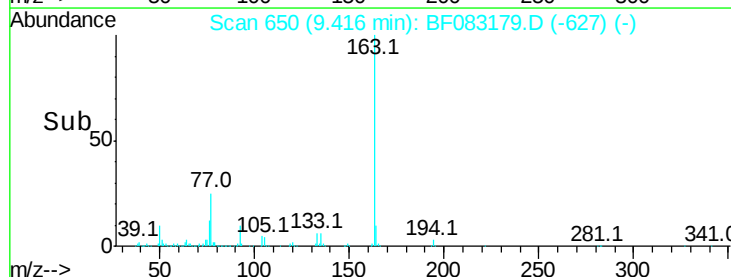
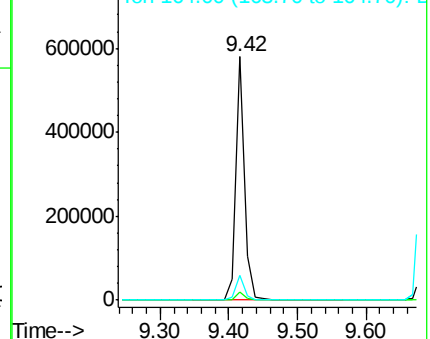
163 100

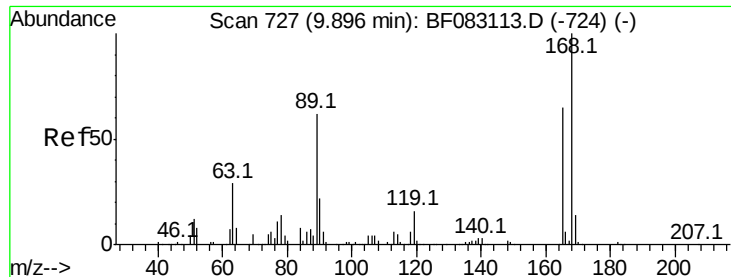
194 3.3 2.6 4.0

164 10.4 8.6 12.8



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

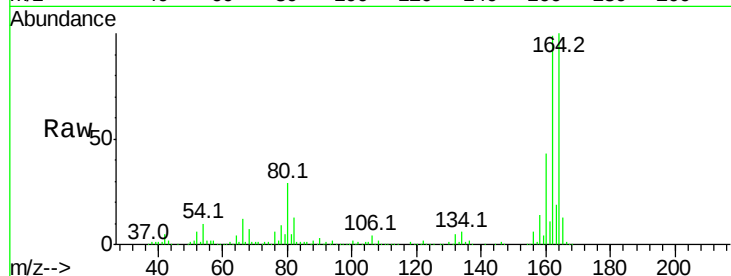




#56
2,4-Dinitrotoluene
Concen: 5.83 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.22 min
Lab File: BF083179.D
Acq: 23 Nov 2015 1:05

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.3	54.5	81.7#
89	1.7	77.3	115.9#
182	0.0	1.8	2.6#

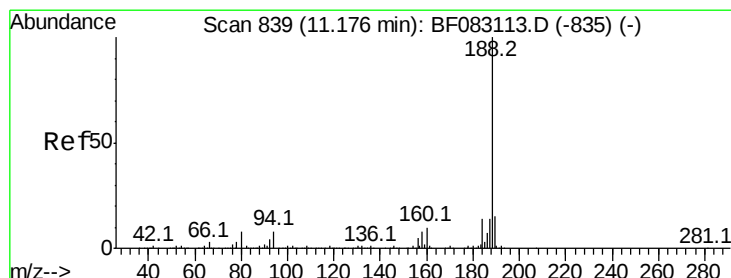
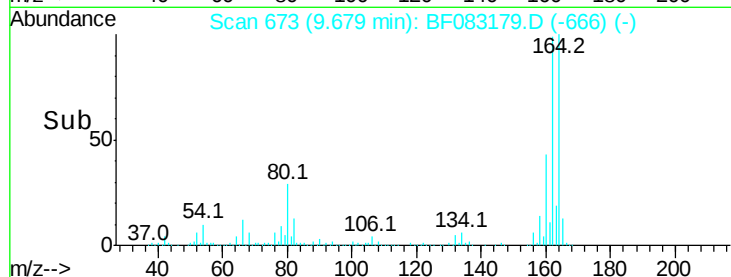
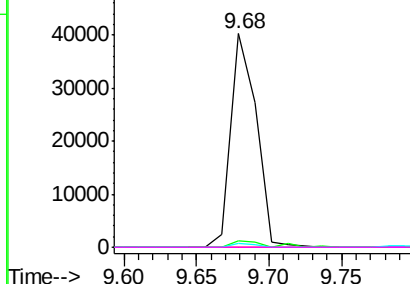


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

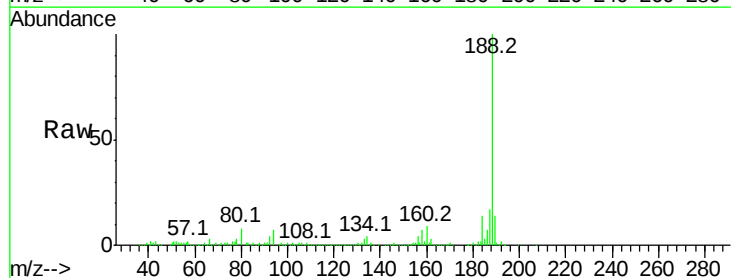
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083179.D
Acq: 23 Nov 2015 1:05

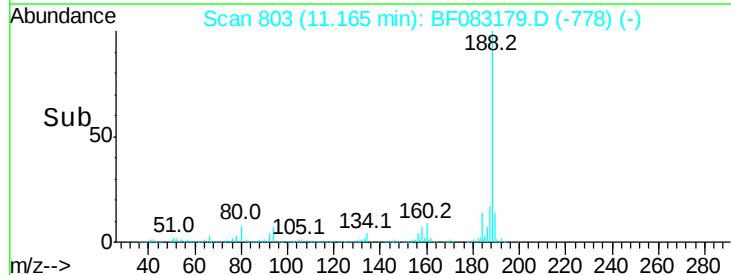
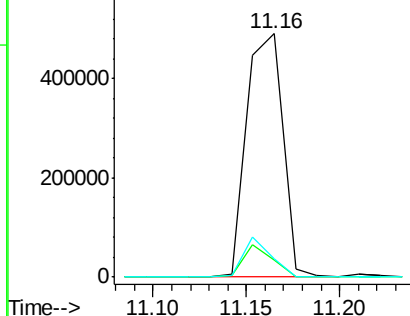
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.0	9.0
80	7.7	6.7	10.1

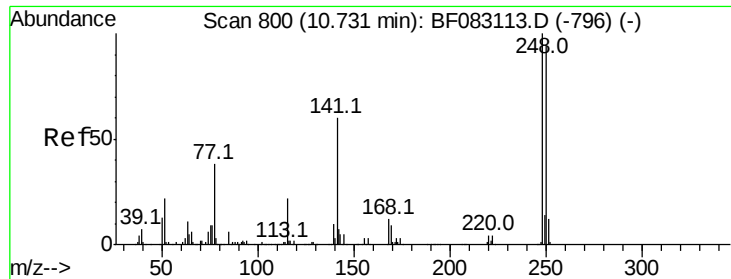


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

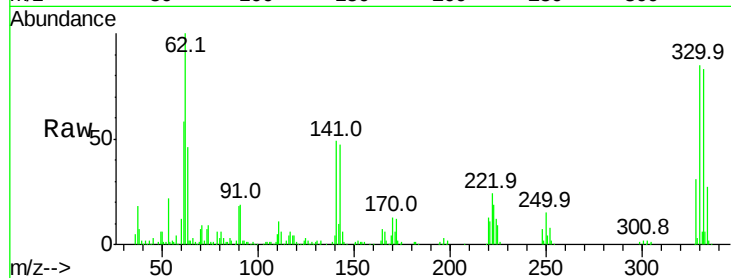




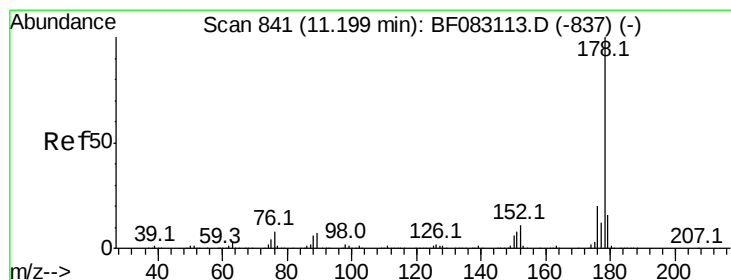
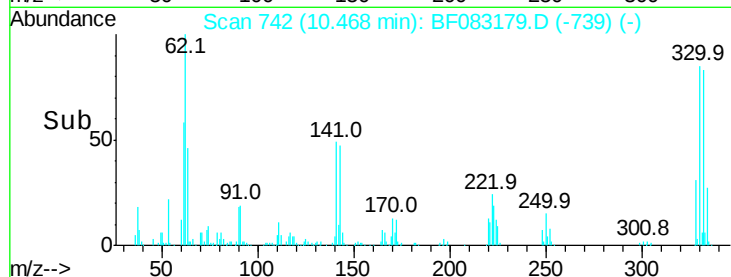
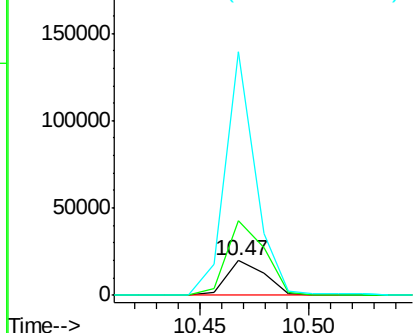
#66
4-Bromophenyl-phenylether
Concen: 3.31 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.26 min
Lab File: BF083179.D
Acq: 23 Nov 2015 1:05

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tot Ion:248 Resp: 24355
Ion Ratio Lower Upper
248 100
250 214.0 75.4 113.2#
141 697.5 48.1 72.1#

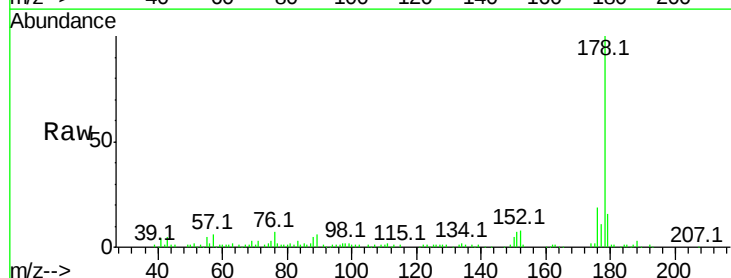


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

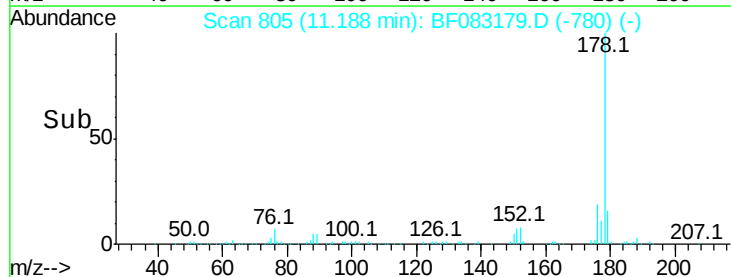
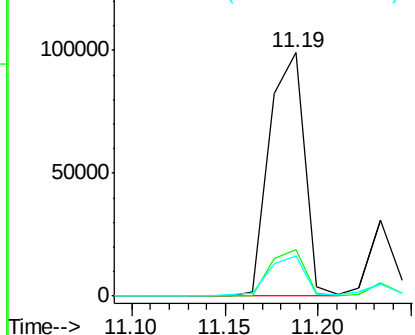


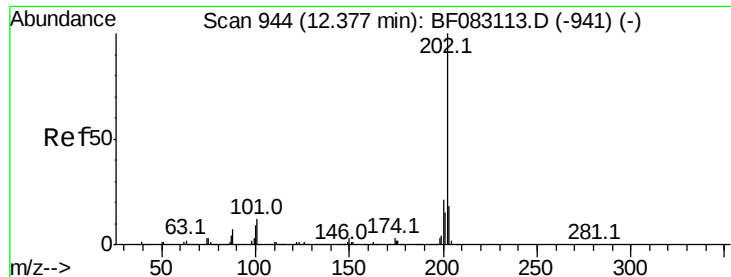
#70
Phenanthrene
Concen: 3.39 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083179.D
Acq: 23 Nov 2015 1:05

Tgt Ion:178 Resp: 129221
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 16.4 12.8 19.2



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: 7.53 ng

RT: 12.36 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

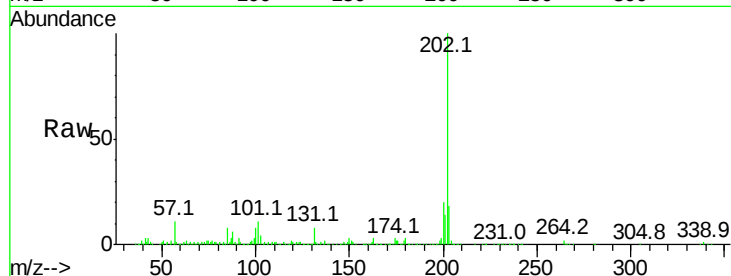
Tot Ion:202 Resp: 294257

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.3

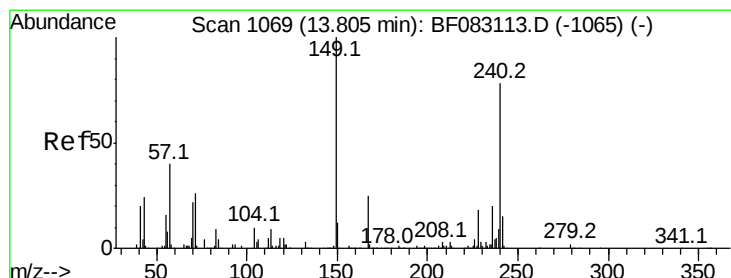
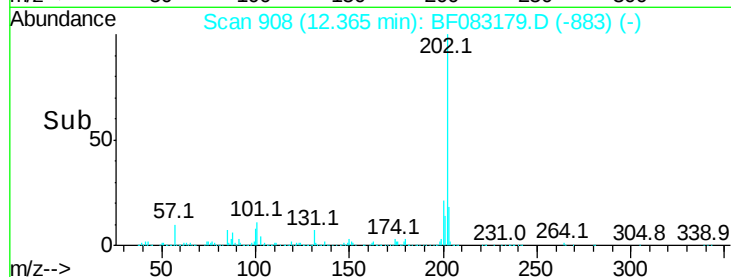
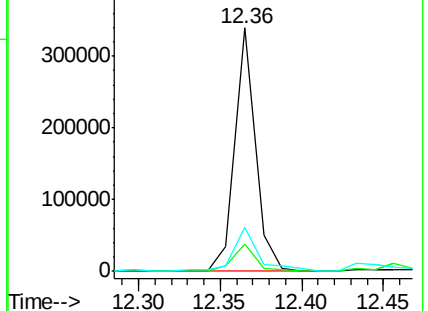
203 17.8 0.0 38.4



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: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

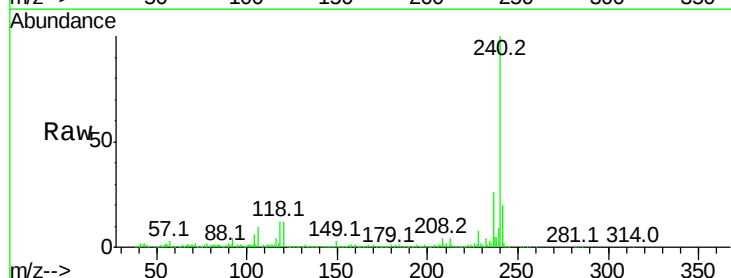
Tgt Ion:240 Resp: 500829

Ion Ratio Lower Upper

240 100

120 12.4 5.4 8.2#

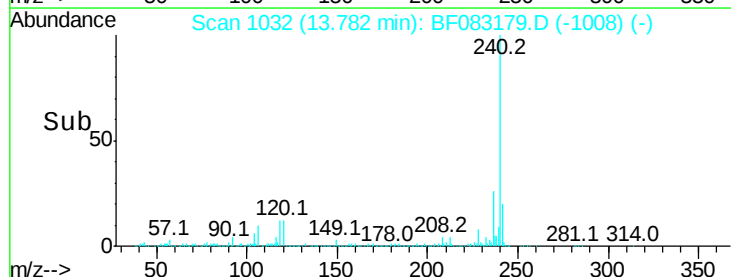
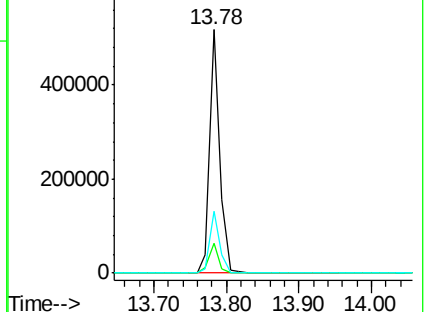
236 25.6 20.6 31.0

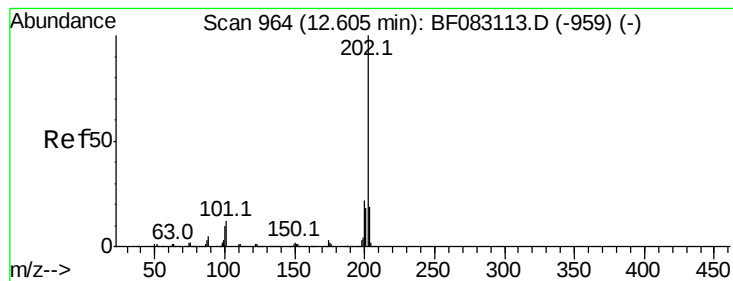


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.79 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

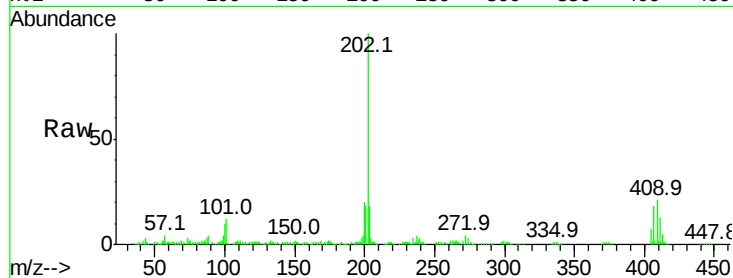
Tot Ion:202 Resp: 232395

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.6

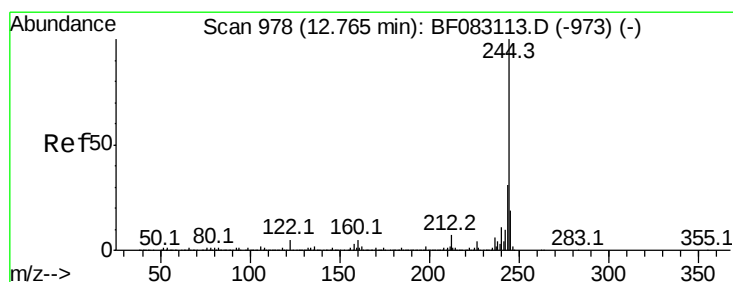
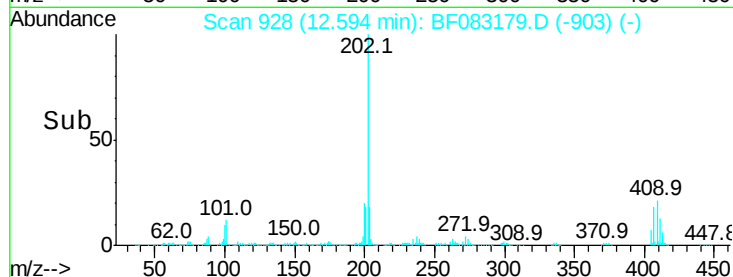
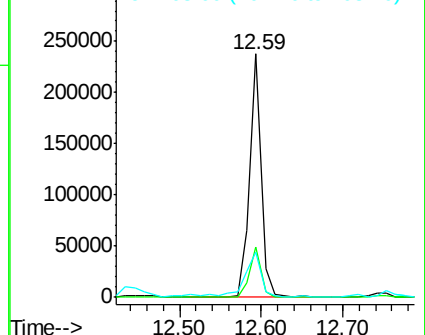
203 18.3 15.0 22.4



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: 68.58 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

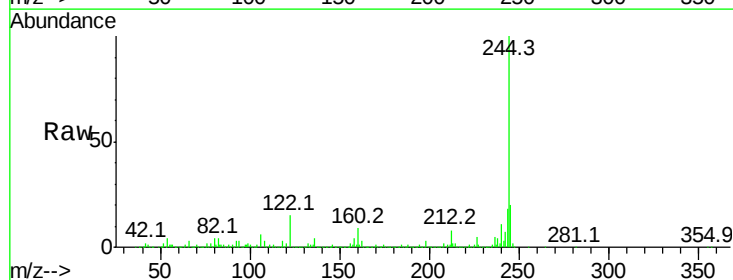
Tgt Ion:244 Resp: 1458484

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.2

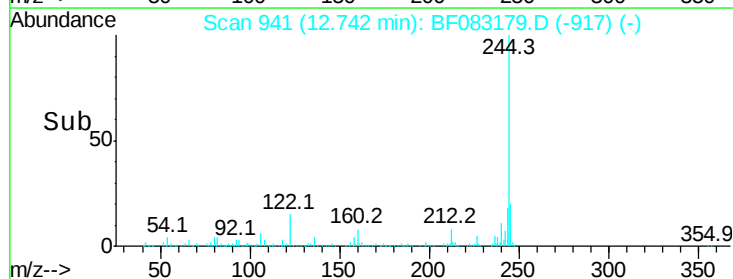
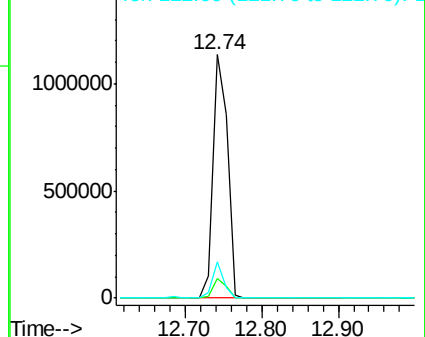
122 15.0 4.3 6.5#

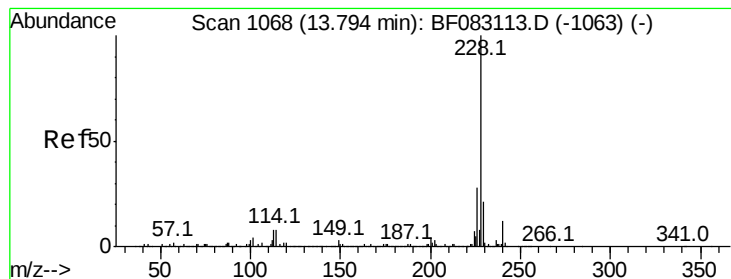


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.70 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

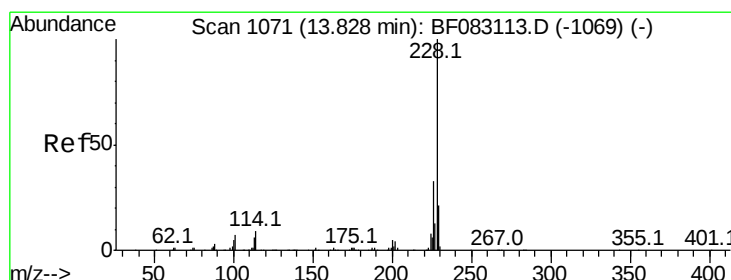
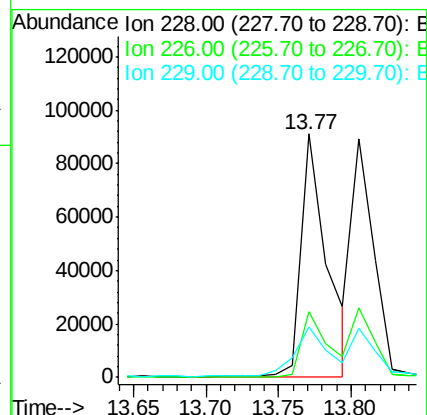
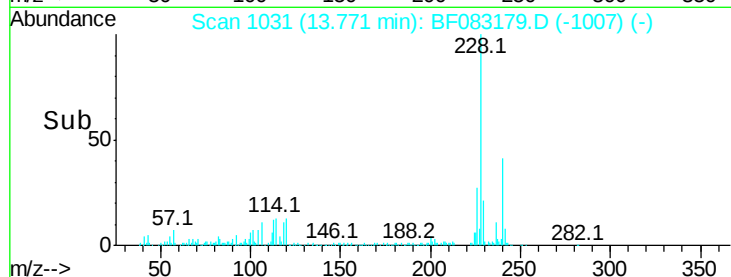
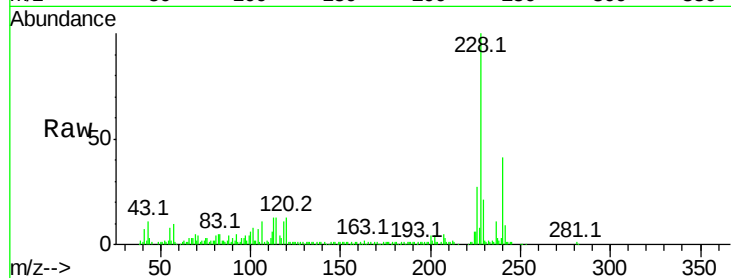
Tot Ion:228 Resp: 114596

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

229 20.9 16.6 24.8



#82

Chrysene

Concen: 3.32 ng

RT: 13.81 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

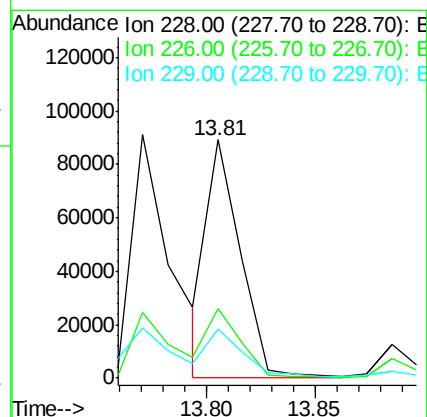
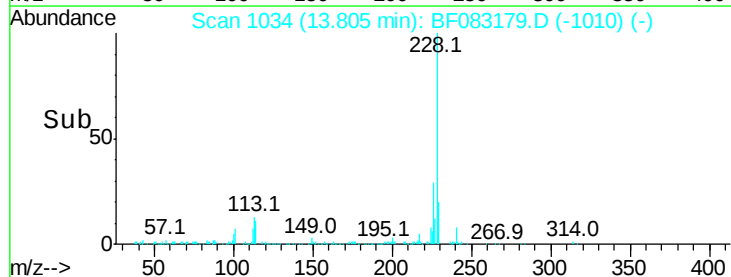
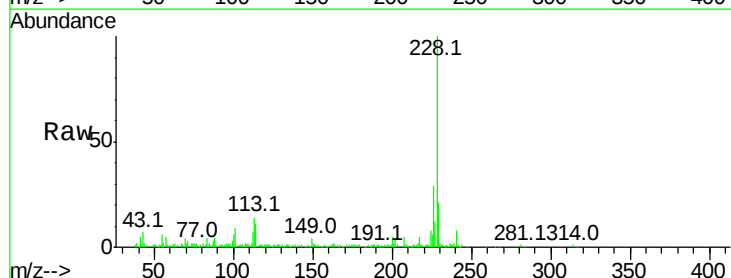
Tgt Ion:228 Resp: 95354

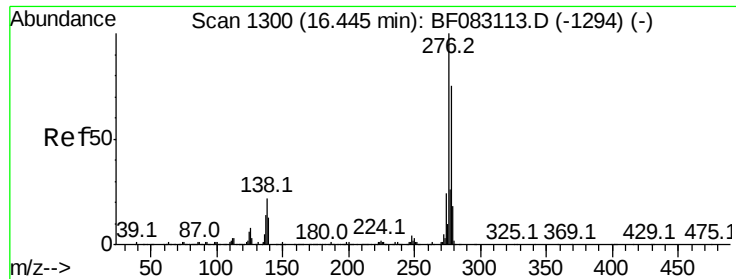
Ion Ratio Lower Upper

228 100

226 29.1 25.5 38.3

229 20.9 16.6 25.0

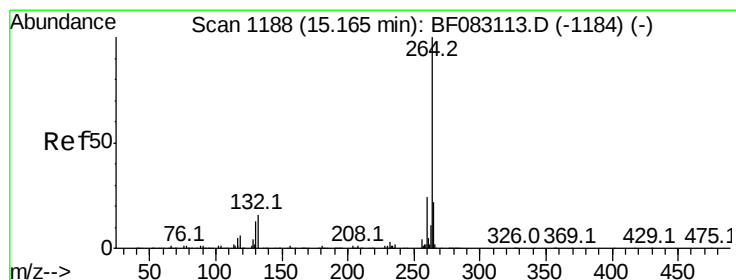
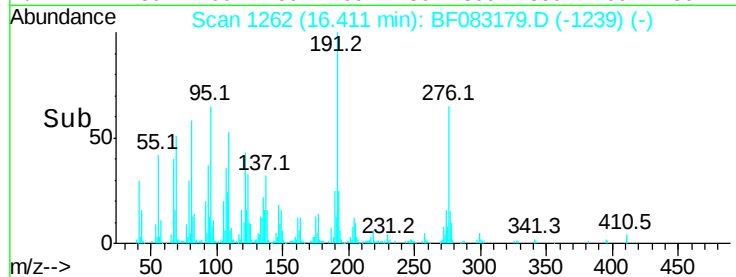
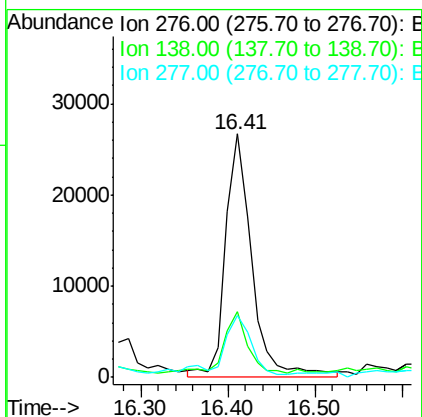
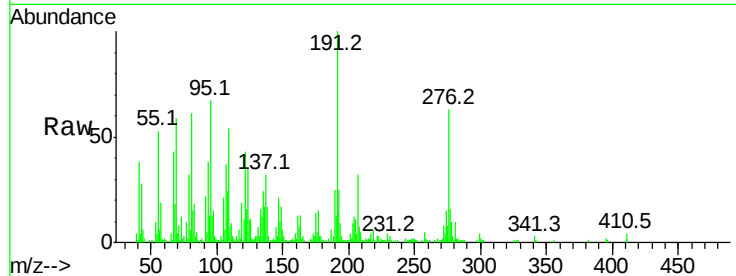




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.15 ng
 RT: 16.41 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: BF083179.D
 Acq: 23 Nov 2015 1:05

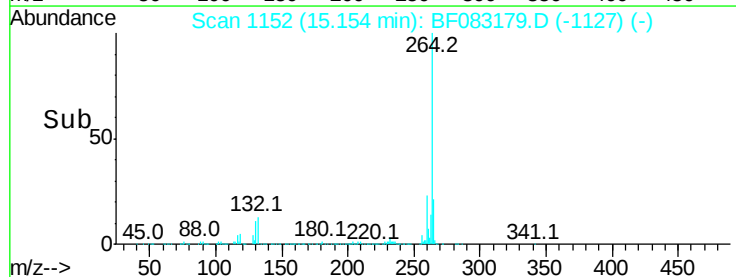
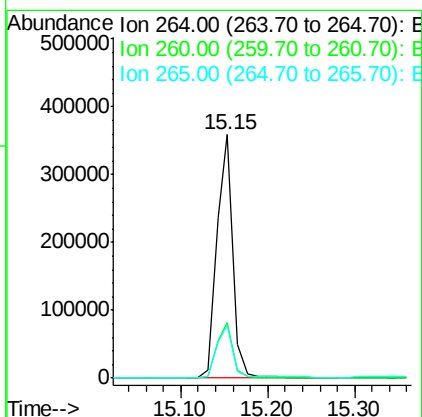
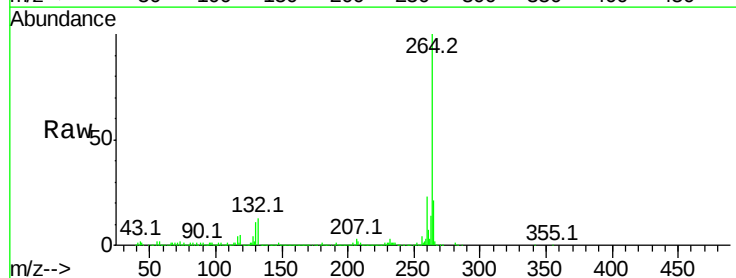
Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

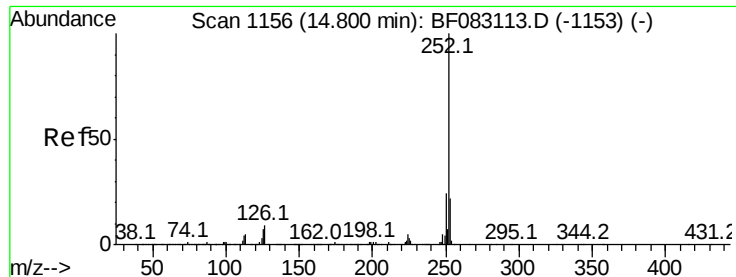
Tot Ion:276 Resp: 56292
 Ion Ratio Lower Upper
 276 100
 138 23.7 18.0 27.0
 277 27.5 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF083179.D
 Acq: 23 Nov 2015 1:05

Tgt Ion:264 Resp: 463128
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.1 28.7
 265 21.5 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 5.58 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

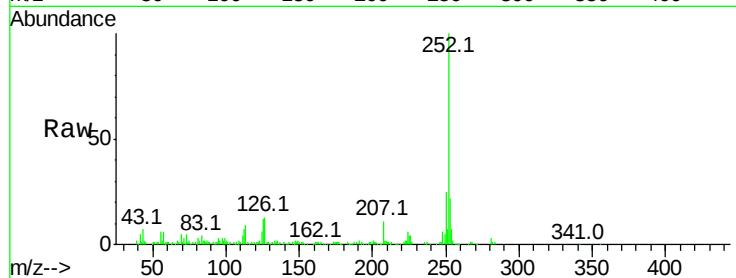
Tot Ion:252 Resp: 176496

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

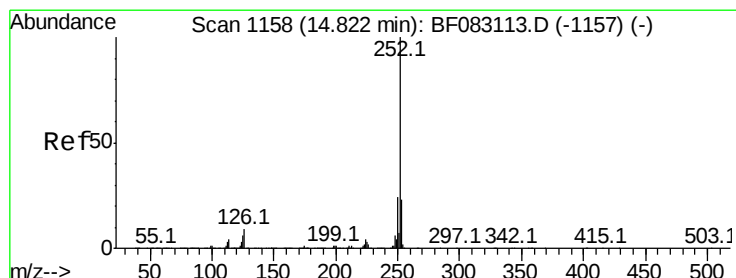
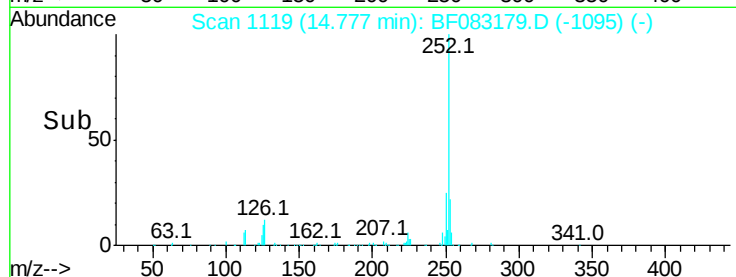
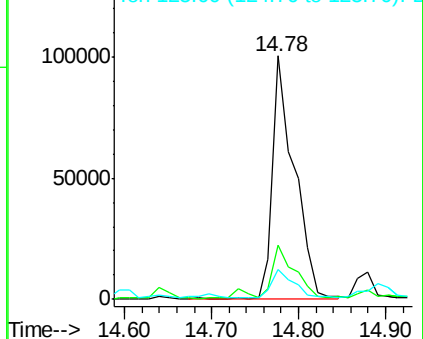
125 12.0 5.6 8.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.49 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.05 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

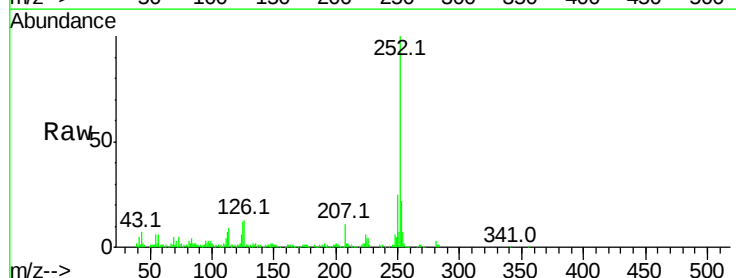
Tgt Ion:252 Resp: 176496

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

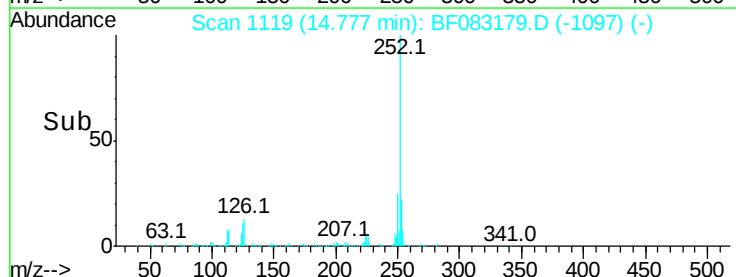
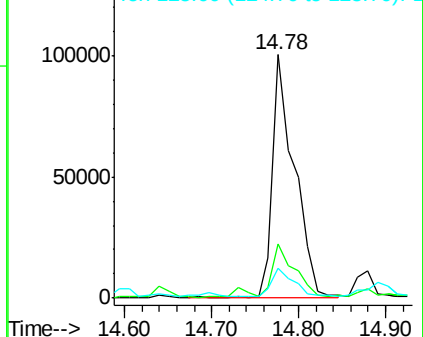
125 12.0 6.8 10.2#

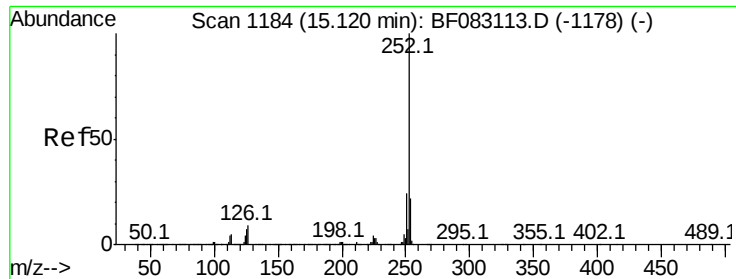


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.25 ng

RT: 15.10 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

Instrument :

BNA_F

ClientSampleId :

A19-COMP

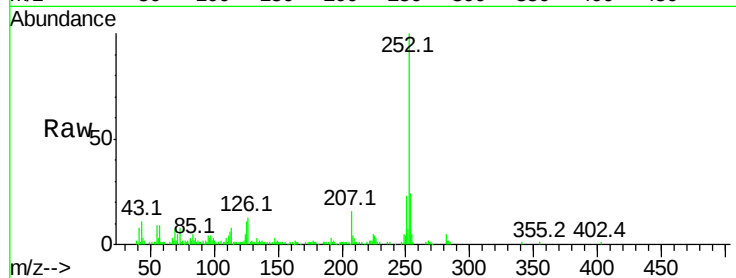
Tot Ion:252 Resp: 84825

Ion Ratio Lower Upper

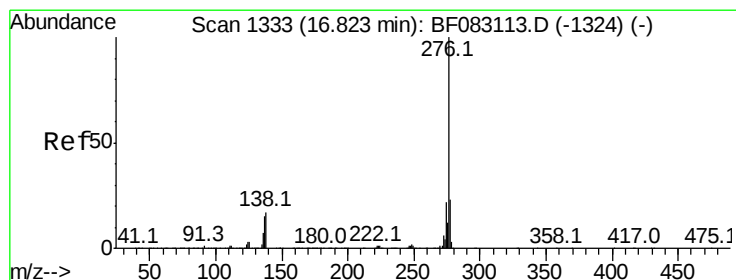
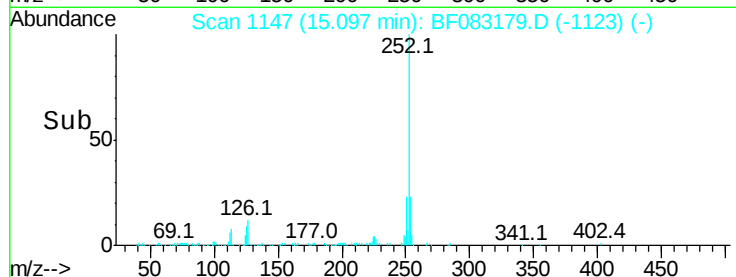
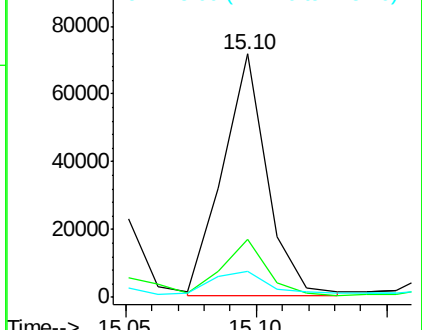
252 100

253 24.0 17.5 26.3

125 10.5 5.4 8.0#



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: 2.26 ng

RT: 16.79 min Scan# 1295

Delta R.T. -0.03 min

Lab File: BF083179.D

Acq: 23 Nov 2015 1:05

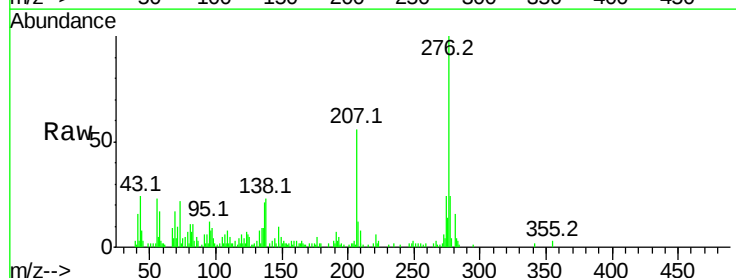
Tgt Ion:276 Resp: 52366

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 22.7 13.9 20.9#



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

