

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083263.D
 Acq On : 25 Nov 2015 4:02
 Operator : UM/IZ
 Sample : G4440-02RE 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Quant Time: Nov 25 05:09:25 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	6.76	152	146822	20.00	ng	0.10
21) Naphthalene-d8	7.90	136	791234	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	369184	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	554512	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	497450	20.00	ng	-0.06
86) Perylene-d12	15.11	264	493081	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	312171	32.14	ng	-0.08
7) Phenol-d6	6.27	99	437086	34.79	ng	-0.07
23) Nitrobenzene-d5	7.18	82	275529	15.91	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	68877	18.24	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	409292	15.46	ng	-0.05
78) Terphenyl-d14	12.71	244	283510	13.42	ng	-0.06

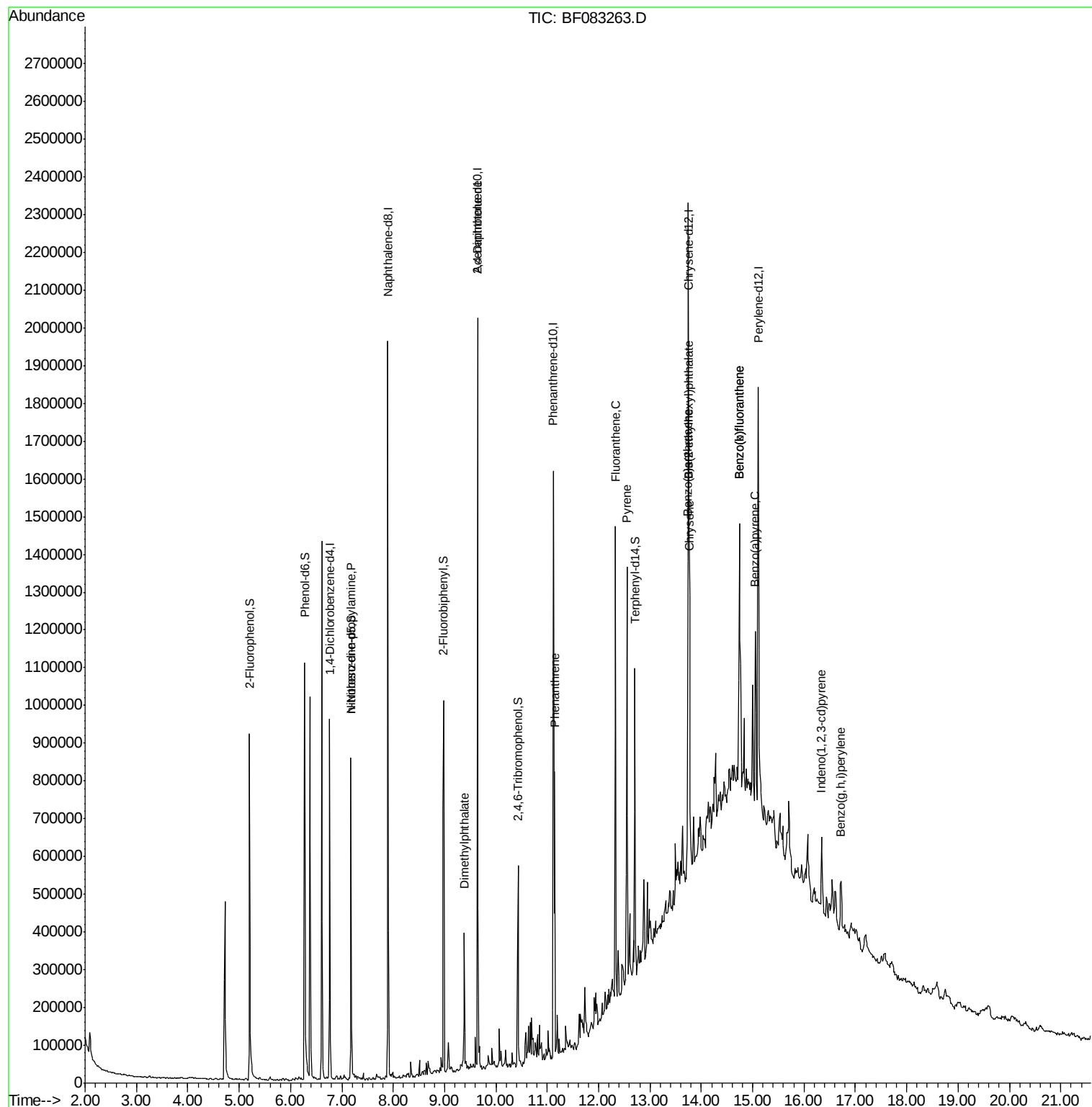
Target Compounds				Qvalue			
9) Benzaldehyde	6.27	77	1007	Below Cal	#	4	
19) n-Nitroso-di-n-propylamine	7.18	70	38536	4.41 ng	#	79	
49) Dimethylphthalate	9.38	163	148176	5.21 ng		98	
56) 2,4-Dinitrotoluene	9.64	165	49598	6.14 ng	#	10	
70) Phenanthrene	11.14	178	273147	8.55 ng		98	
74) Fluoranthene	12.33	202	617661	18.89 ng		95	
77) Pyrene	12.55	202	469803	13.82 ng		97	
80) Benzo(a)anthracene	13.74	228	232330	7.55 ng		99	
82) Chrysene	13.77	228	232438	8.15 ng		97	
83) Bis(2-ethylhexyl)phthalate	13.76	149	134361	6.40 ng	#	97	
85) Indeno(1,2,3-cd)pyrene	16.34	276	131234	5.06 ng		94	
87) Benzo(b)fluoranthene	14.74	252	449968	13.36 ng	#	93	
88) Benzo(k)fluoranthene	14.74	252	449623	17.91 ng	#	95	
89) Benzo(a)pyrene	15.05	252	206984	7.44 ng	#	91	
91) Benzo(g,h,i)perylene	16.72	276	111875	4.54 ng		98	

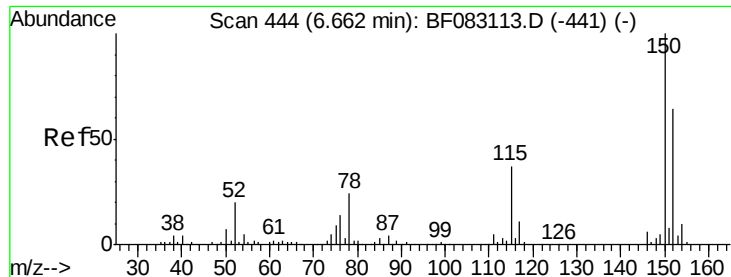
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 418

Delta R.T. 0.10 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

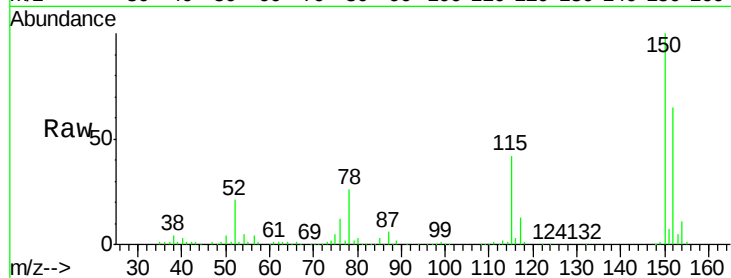
Tgt Ion:152 Resp: 146822

Ion Ratio Lower Upper

152 100

150 154.3 125.8 188.8

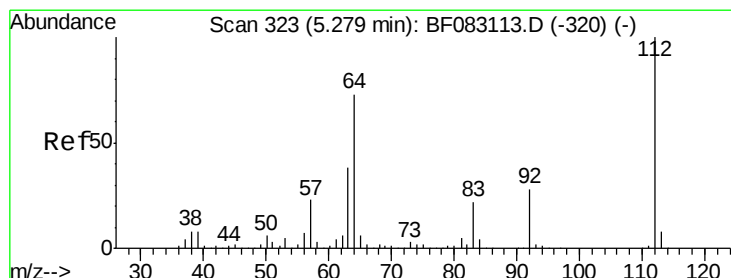
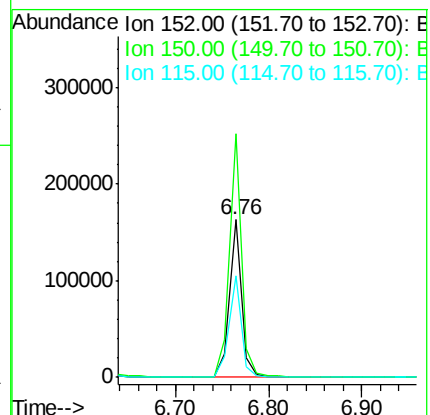
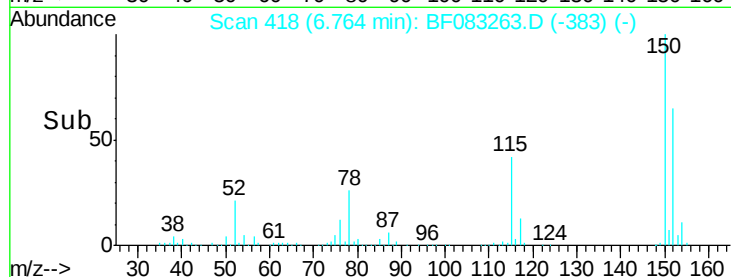
115 64.6 46.9 70.3



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: 32.14 ng

RT: 5.20 min Scan# 281

Delta R.T. -0.08 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

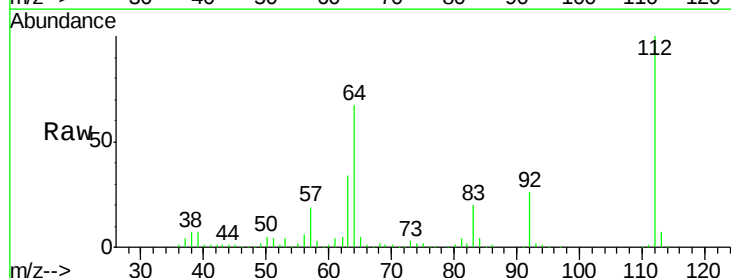
Tgt Ion:112 Resp: 312171

Ion Ratio Lower Upper

112 100

64 67.4 58.4 87.6

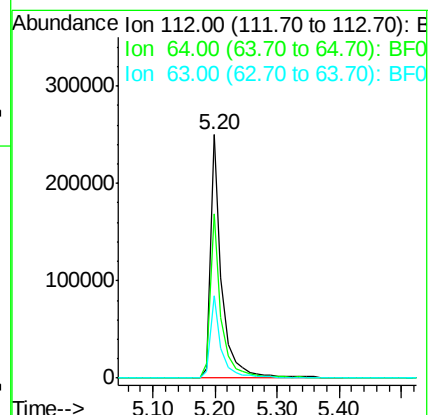
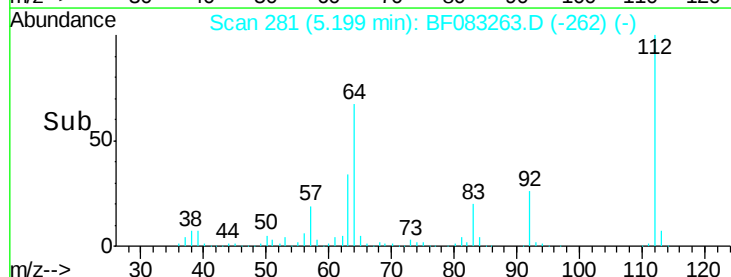
63 33.7 30.0 45.0

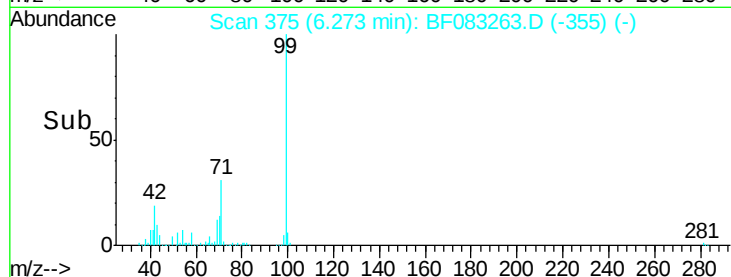
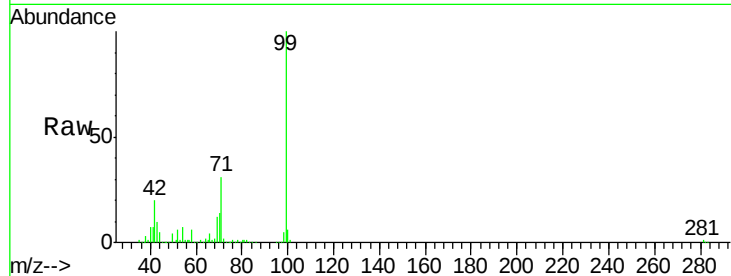
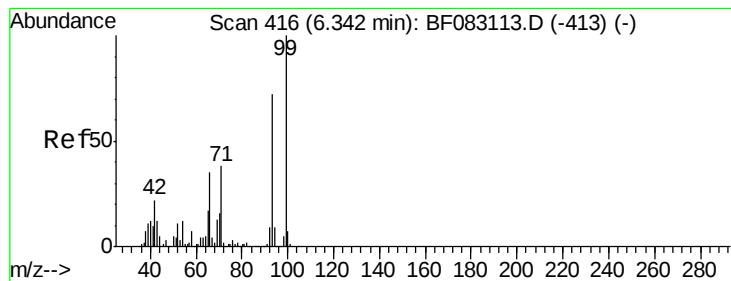


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.79 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

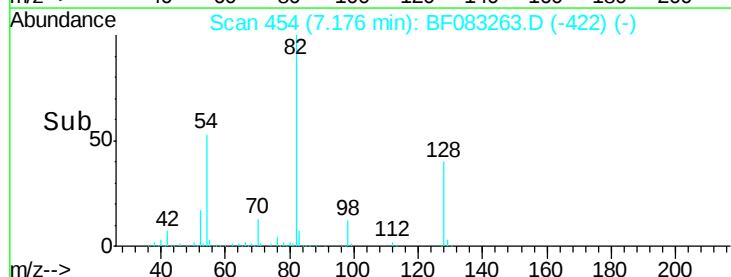
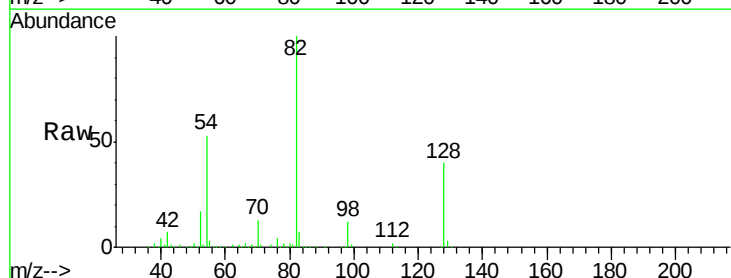
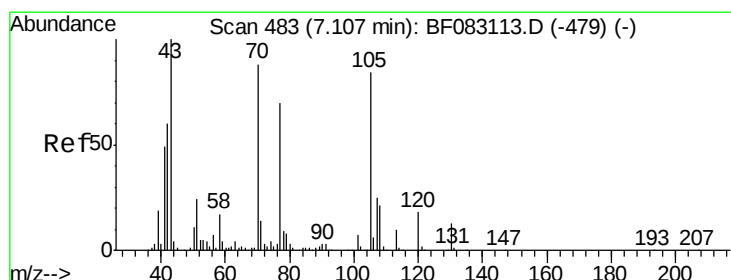
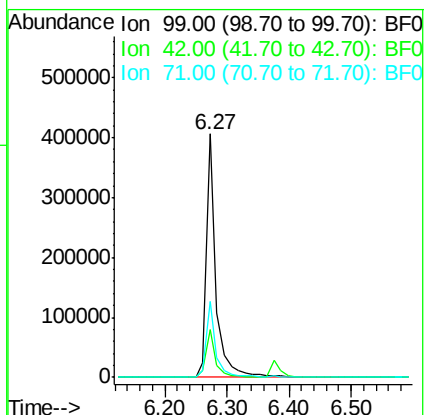
Tgt Ion: 99 Resp: 437086

Ion Ratio Lower Upper

99 100

42 19.5 17.7 26.5

71 31.4 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.41 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.07 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Tgt Ion: 70 Resp: 38536

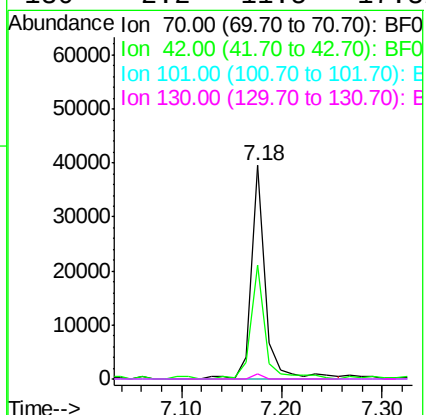
Ion Ratio Lower Upper

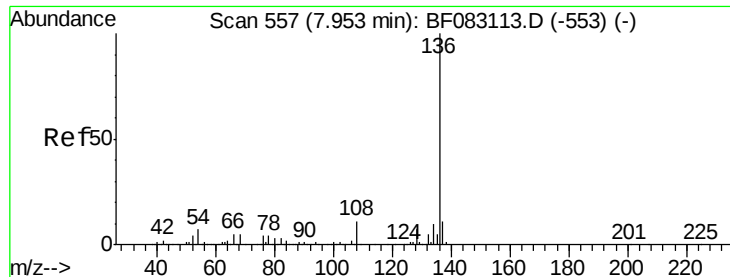
70 100

42 53.3 54.5 81.7#

101 0.0 6.6 9.8#

130 2.2 11.5 17.3#

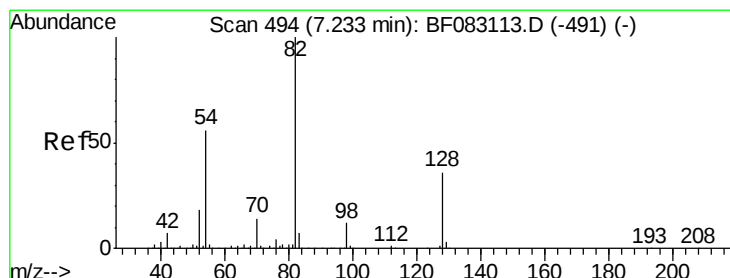
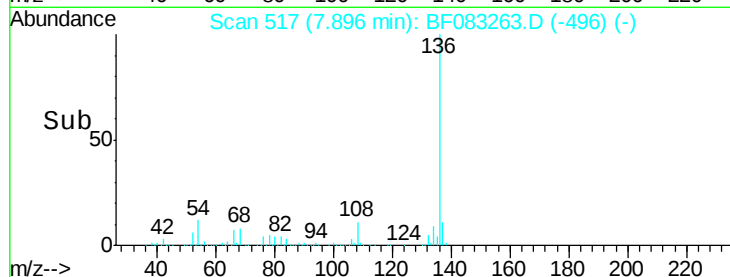
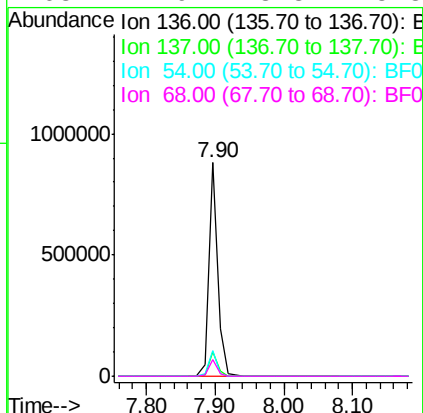
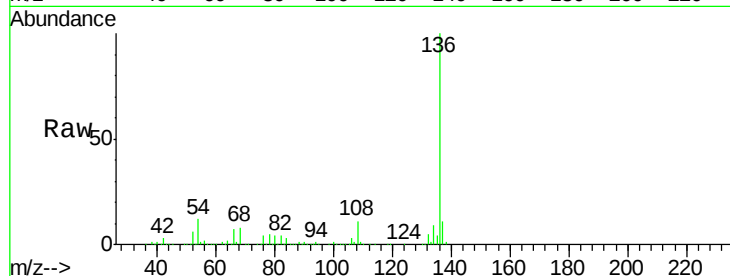




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

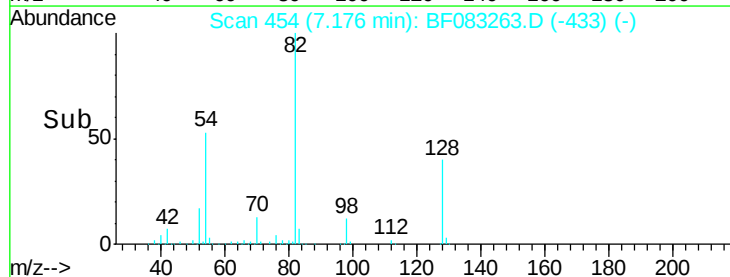
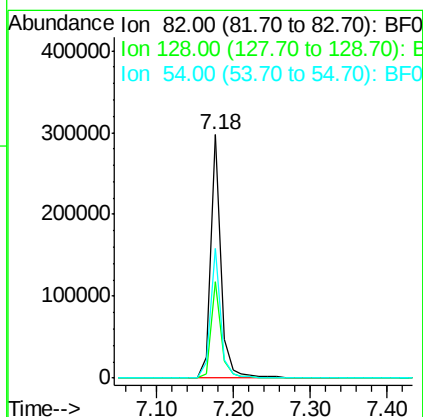
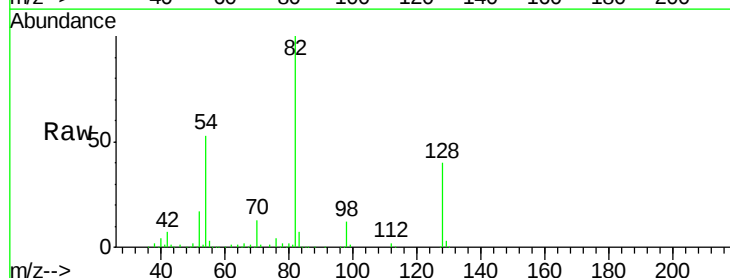
Instrument :
BNA_F
ClientSampleId :
V1S2

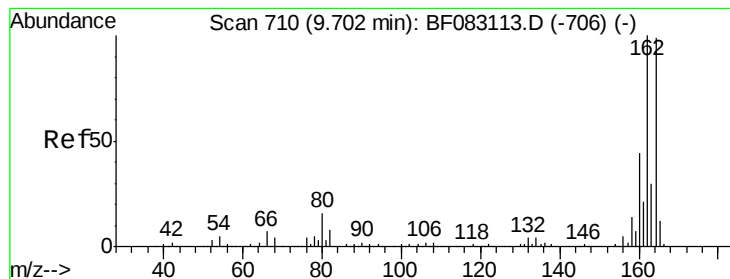
Tgt Ion:	136	Resp:	791234
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	11.8	5.8	8.6#
68	7.9	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 15.91 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Tgt Ion:	82	Resp:	275529
Ion	Ratio	Lower	Upper
82	100		
128	39.8	28.5	42.7
54	53.0	44.6	67.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 670

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

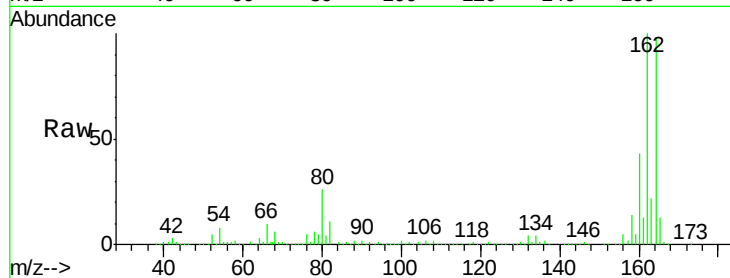
Tgt Ion:164 Resp: 369184

Ion Ratio Lower Upper

164 100

162 101.8 81.2 121.8

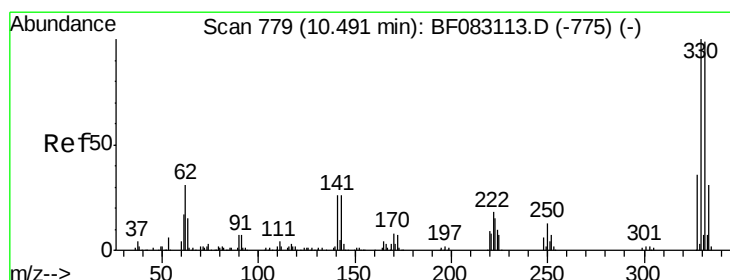
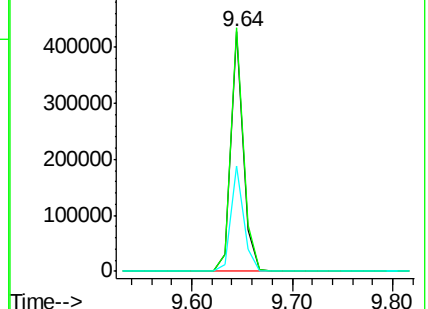
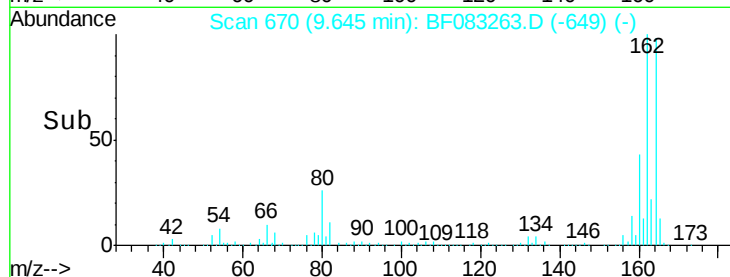
160 43.8 35.6 53.4



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: 18.24 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

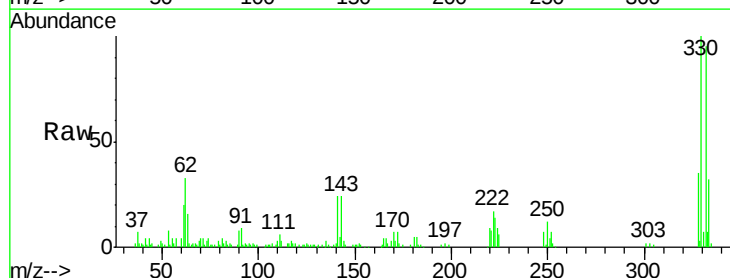
Tgt Ion:330 Resp: 68877

Ion Ratio Lower Upper

330 100

332 95.1 77.7 116.5

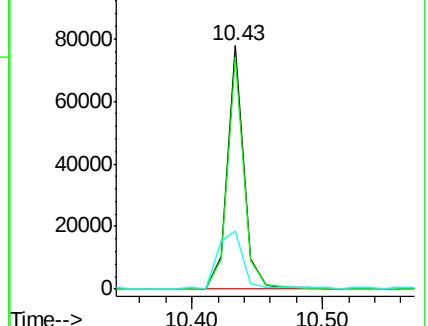
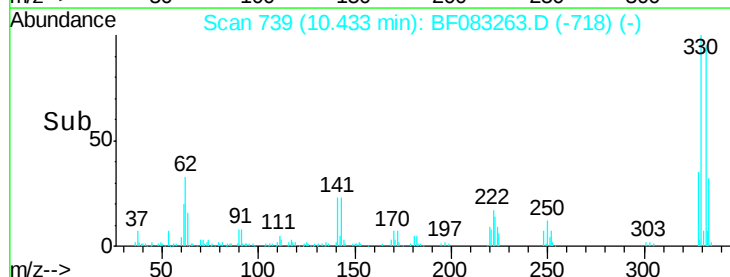
141 38.7 29.7 44.5

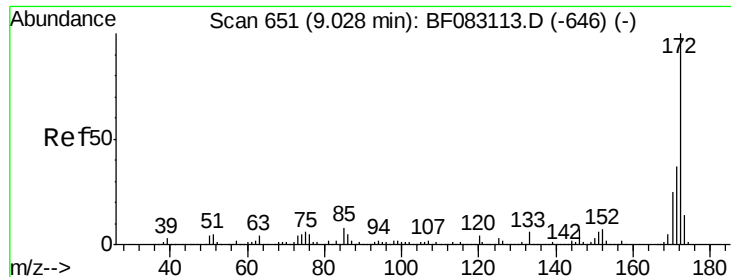


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

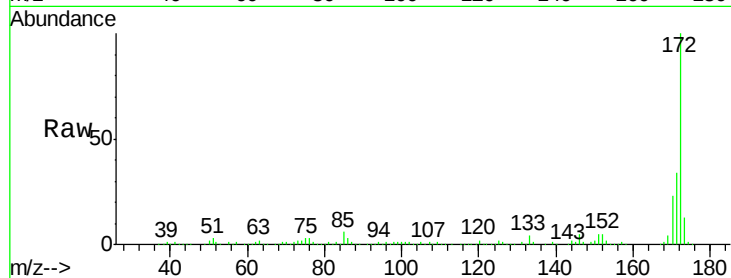




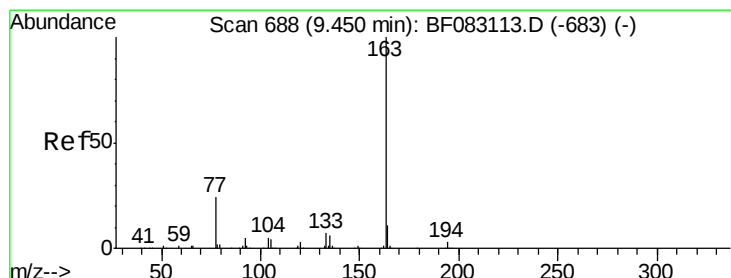
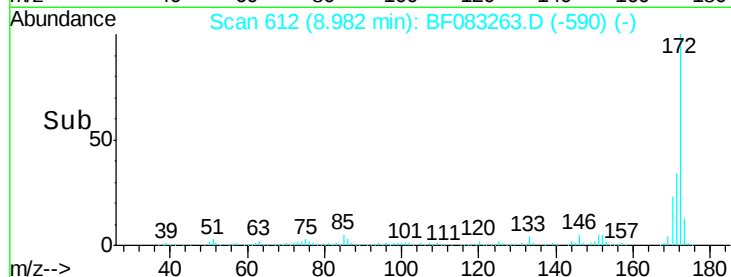
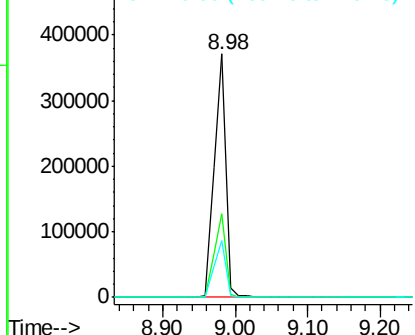
#44
 2-Fluorobiphenyl
 Concen: 15.46 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.5	44.3
170	23.3	19.9	29.9

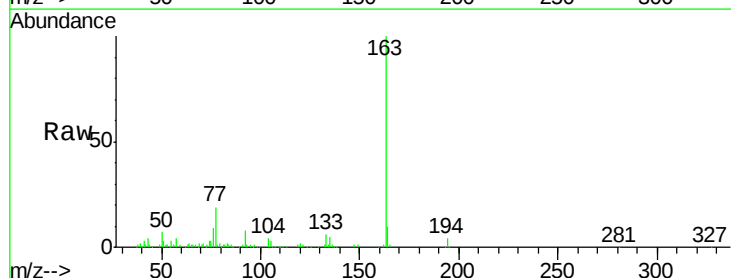


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

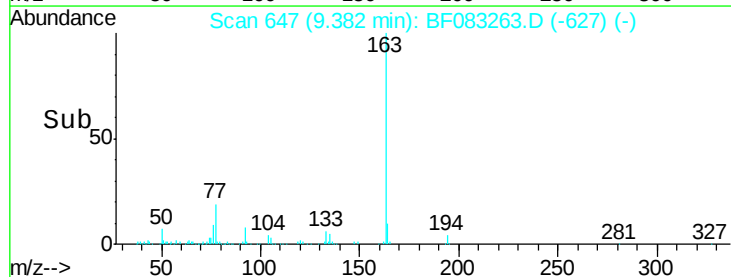
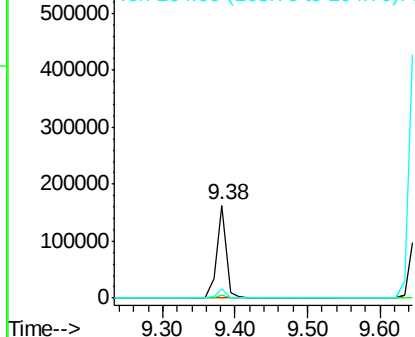


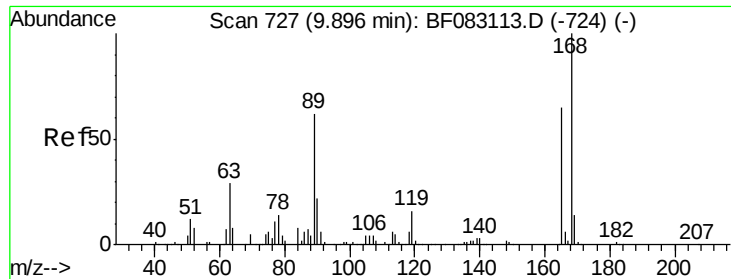
#49
 Dimethylphthalate
 Concen: 5.21 ng
 RT: 9.38 min Scan# 647
 Delta R.T. -0.07 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.6	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

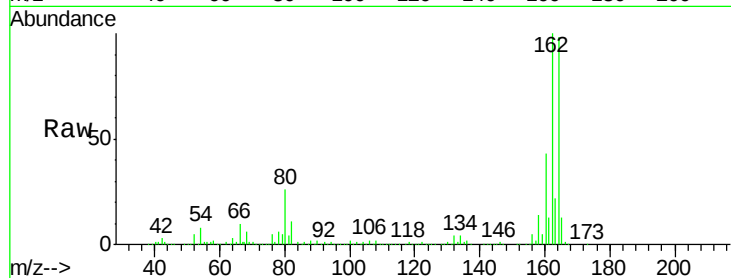




#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.25 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	49598		
63	1.6	54.5	81.7#	
89	1.5	77.3	115.9#	
182	0.0	1.8	2.6#	

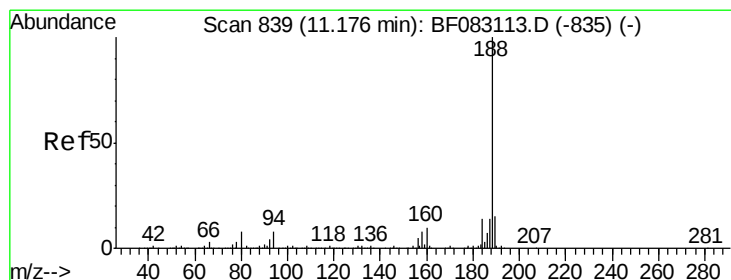
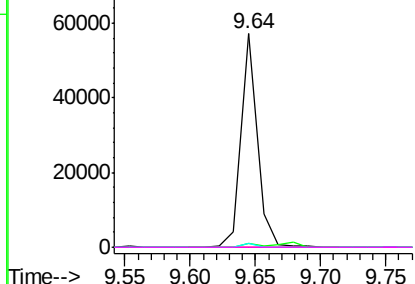
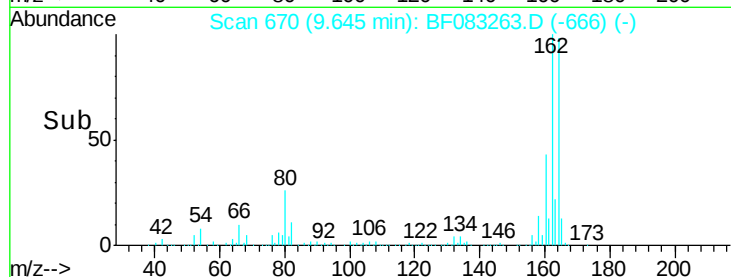


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

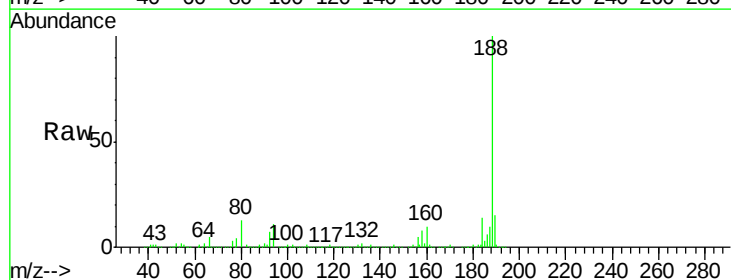
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

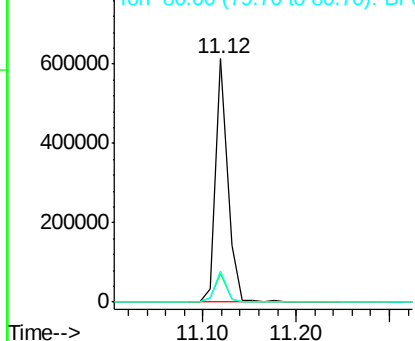
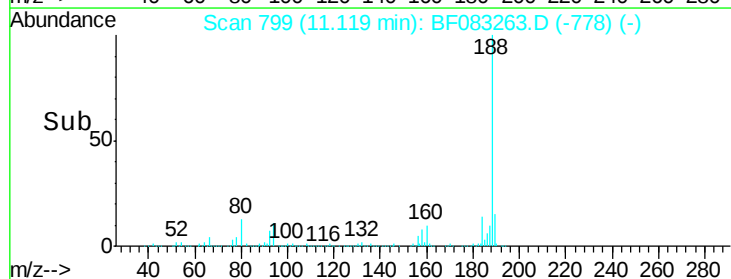
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	554512		
94	11.5	6.0	9.0#	
80	13.0	6.7	10.1#	

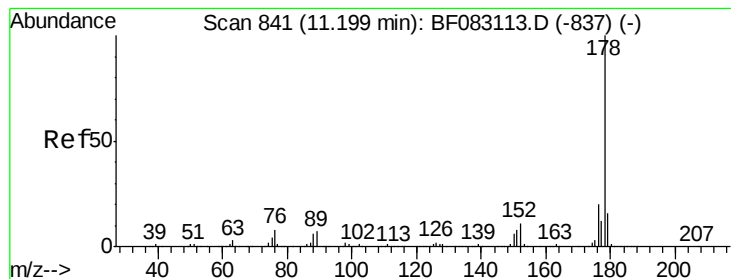


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.55 ng

RT: 11.14 min Scan# 801

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

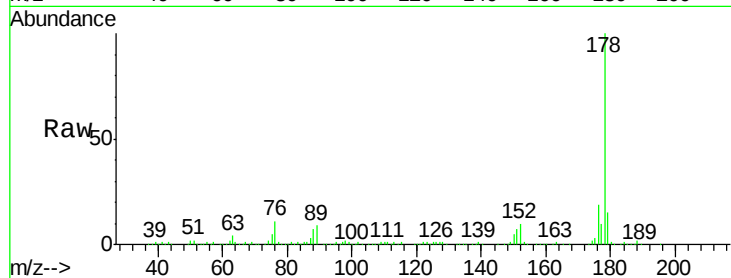
Tgt Ion:178 Resp: 273147

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.2

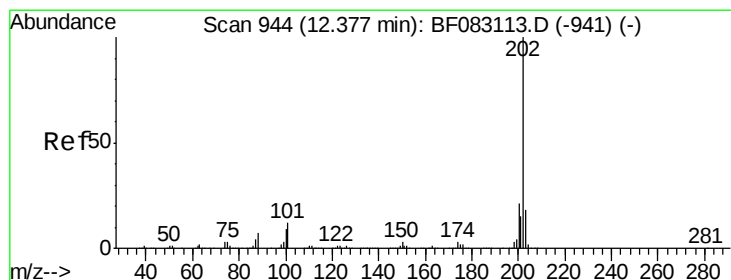
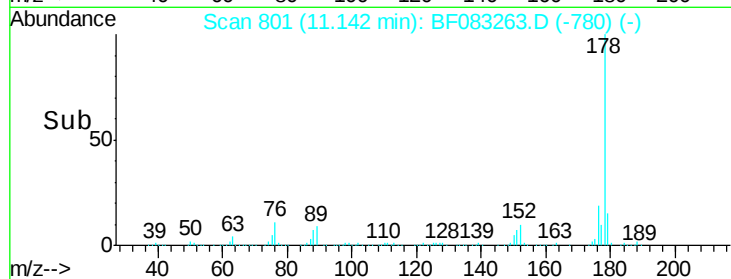
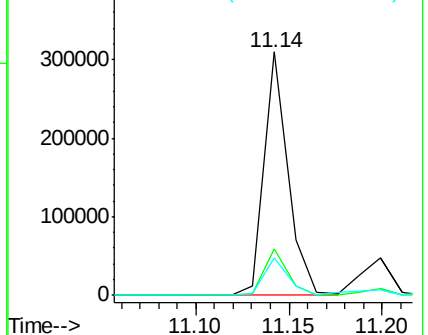
179 15.4 12.8 19.2



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: 18.89 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

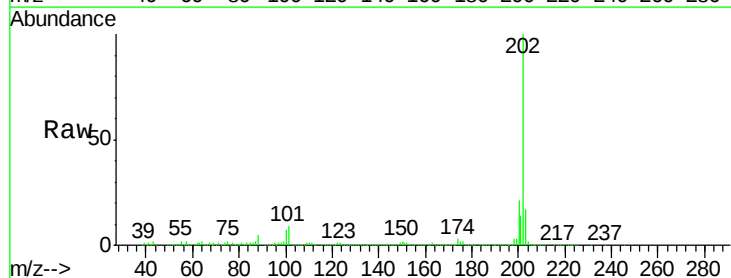
Tgt Ion:202 Resp: 617661

Ion Ratio Lower Upper

202 100

101 9.1 0.0 32.3

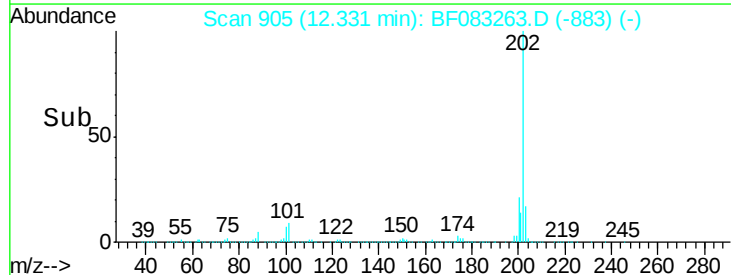
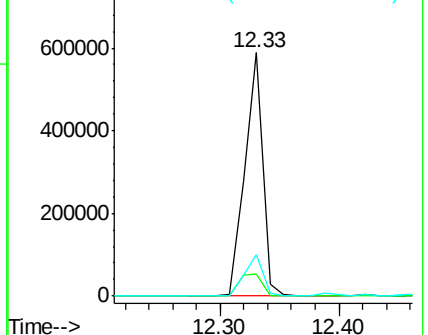
203 17.1 0.0 38.4

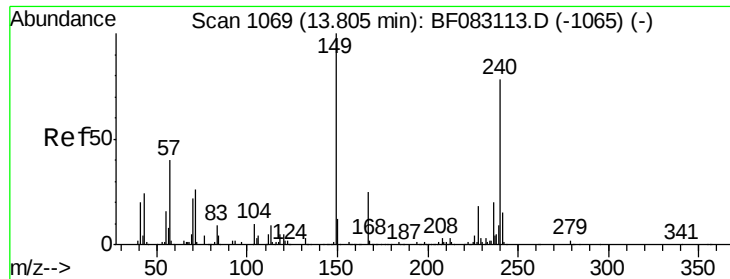


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

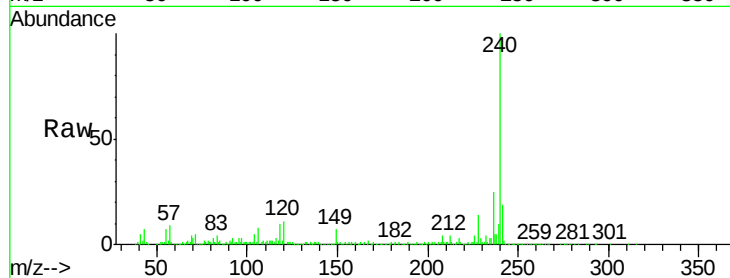
Tgt Ion:240 Resp: 497450

Ion Ratio Lower Upper

240 100

120 11.2 5.4 8.2#

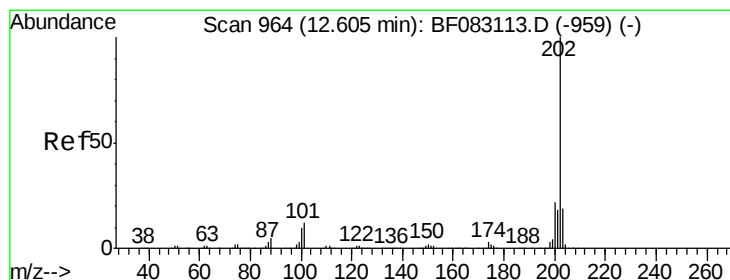
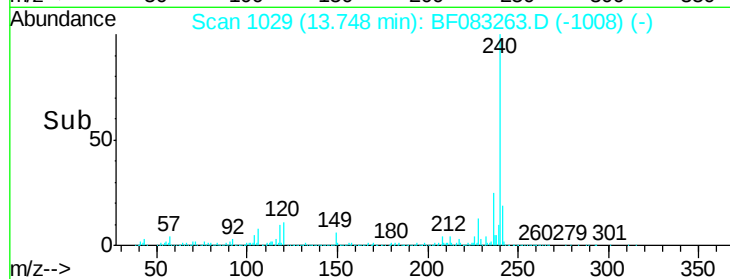
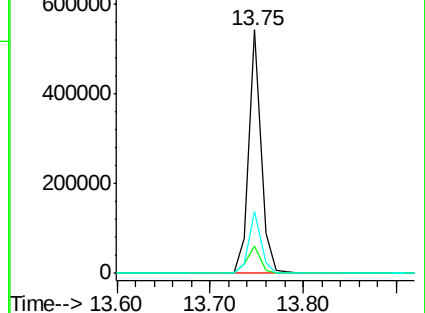
236 25.4 20.6 31.0



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: 13.82 ng

RT: 12.55 min Scan# 924

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

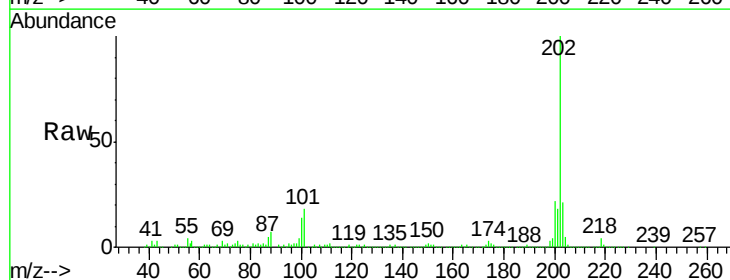
Tgt Ion:202 Resp: 469803

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

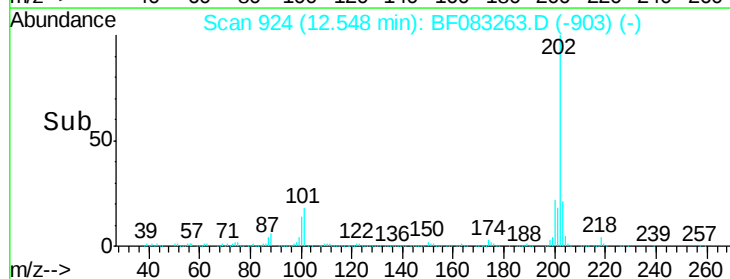
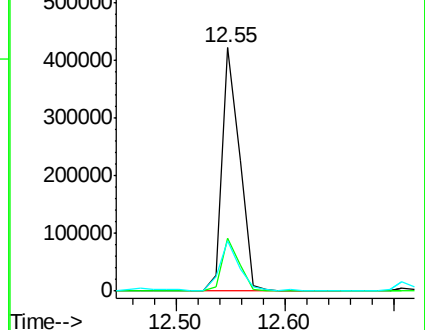
203 20.6 15.0 22.4

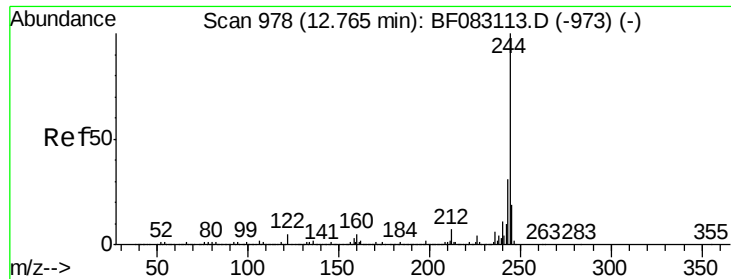


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

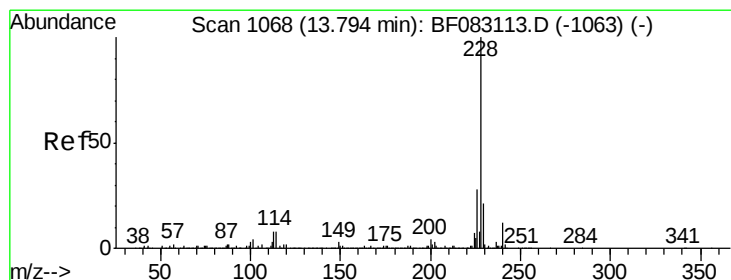
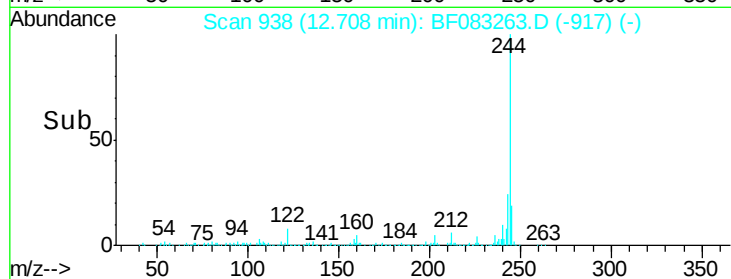
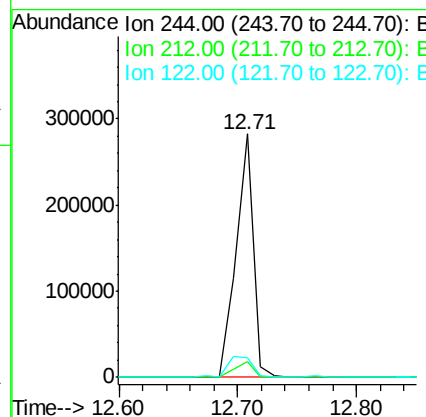
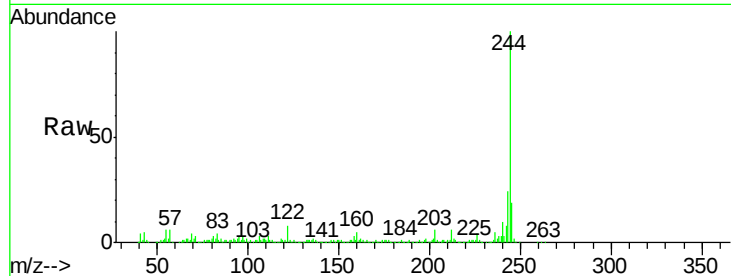




#78
 Terphenyl-d14
 Concen: 13.42 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

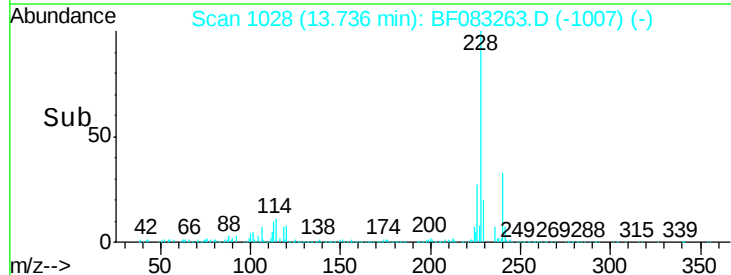
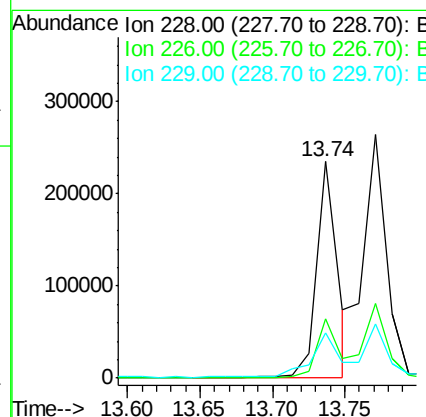
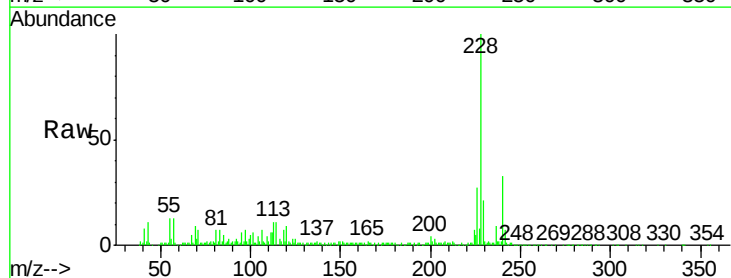
Instrument :
 BNA_F
 ClientSampleId :
 V1S2

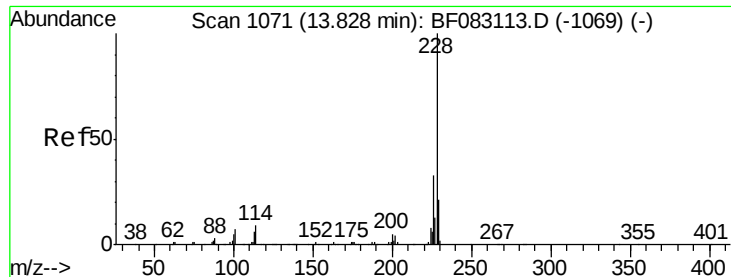
Tgt Ion:244 Resp: 283510
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 8.3 4.3 6.5#



#80
 Benzo(a)anthracene
 Concen: 7.55 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Tgt Ion:228 Resp: 232330
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.6 33.8
 229 21.0 16.6 24.8





#82

Chrysene

Concen: 8.15 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

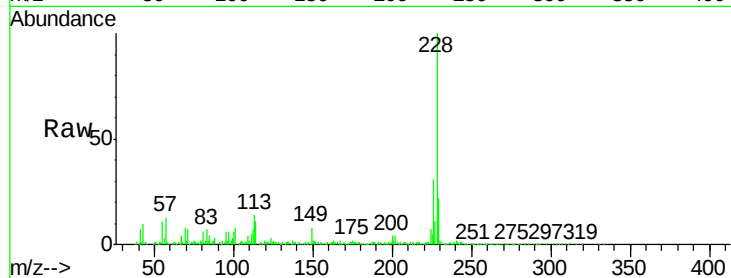
Tgt Ion: 228 Resp: 232438

Ion Ratio Lower Upper

228 100

226 30.6 25.5 38.3

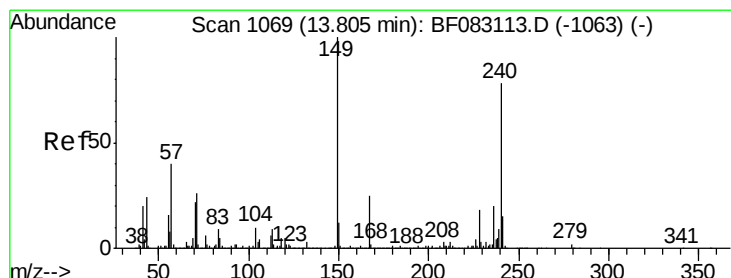
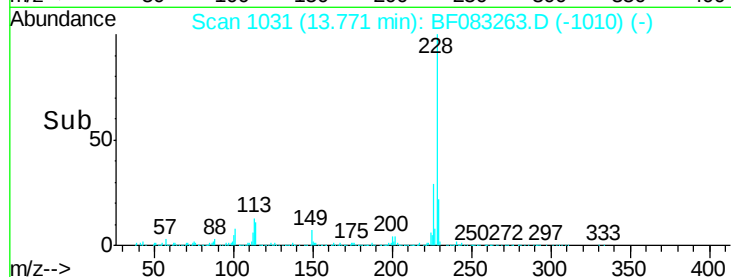
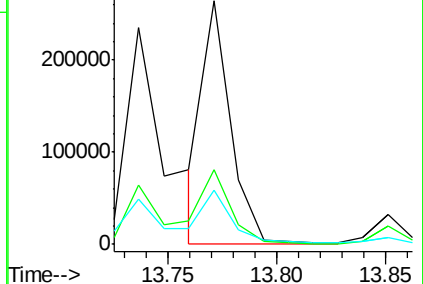
229 22.3 16.6 25.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.40 ng

RT: 13.76 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

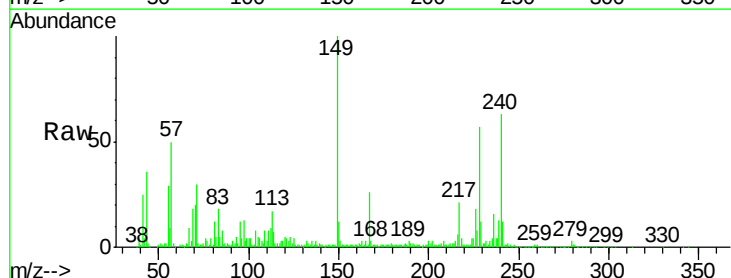
Tgt Ion: 149 Resp: 134361

Ion Ratio Lower Upper

149 100

167 26.5 20.1 30.1

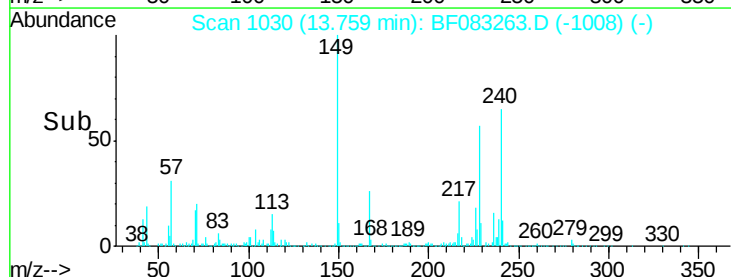
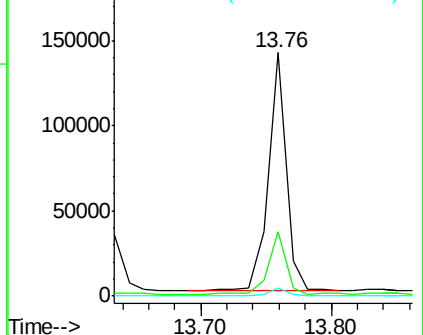
279 3.2 1.7 2.5#

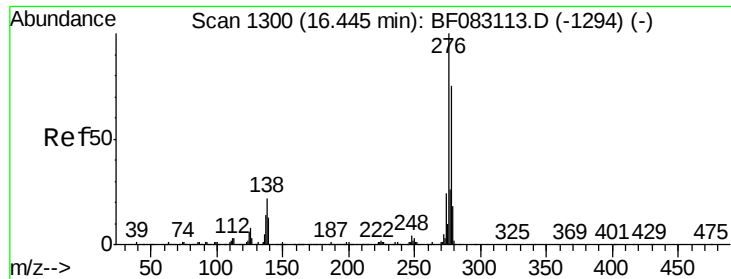


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

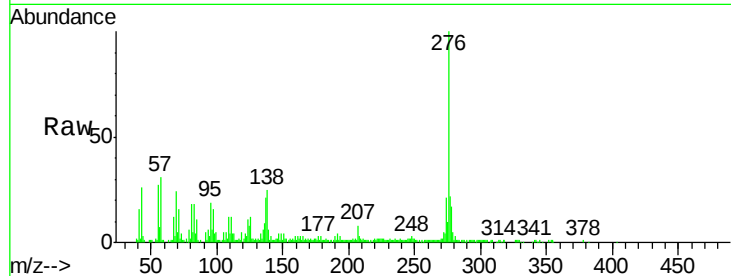




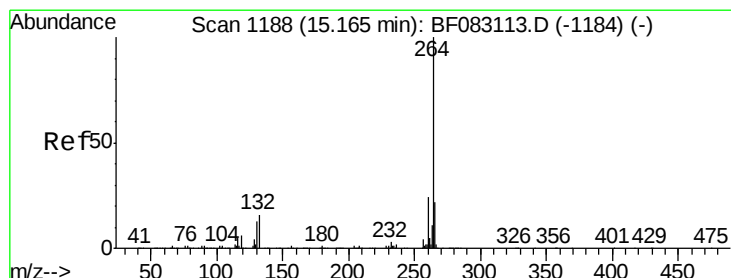
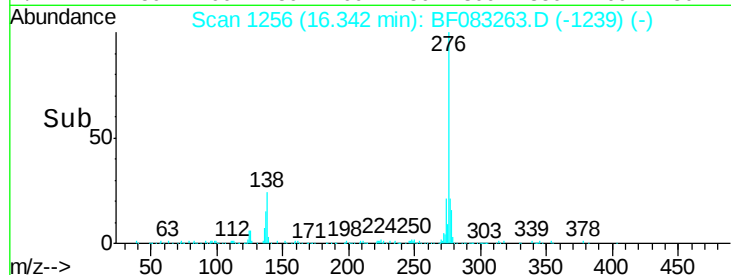
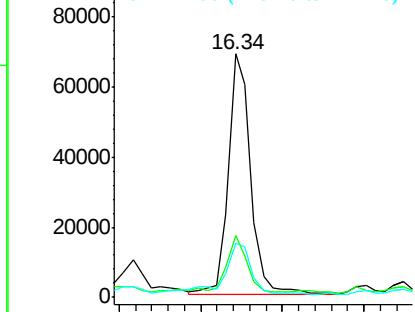
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.06 ng
 RT: 16.34 min Scan# 1256
 Delta R.T. -0.10 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	18.0	27.0
277	28.0	20.2	30.4

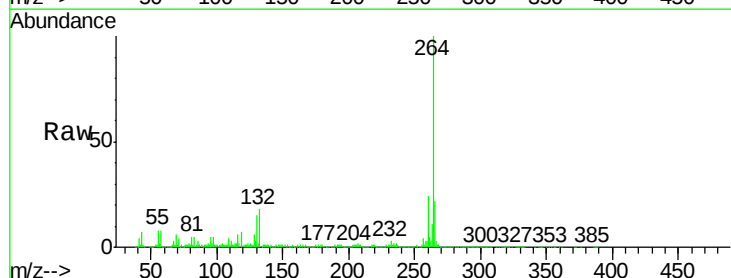


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

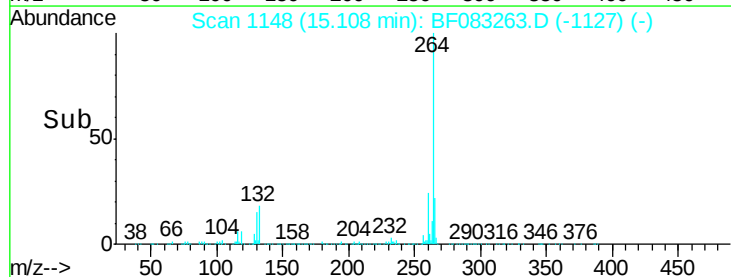
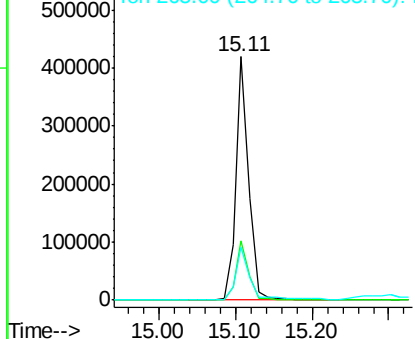


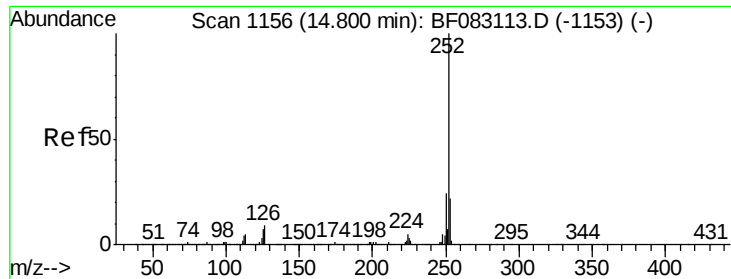
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1148
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	21.9	18.2	27.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

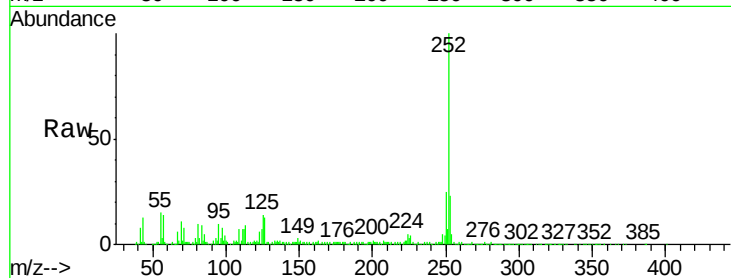




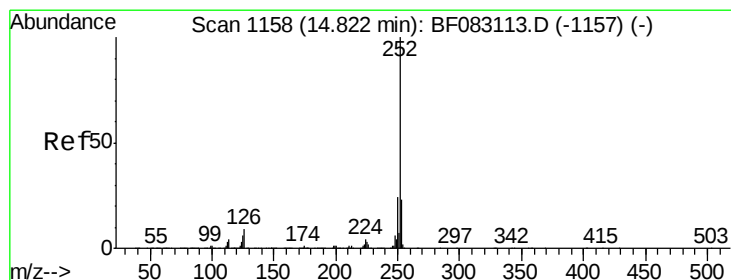
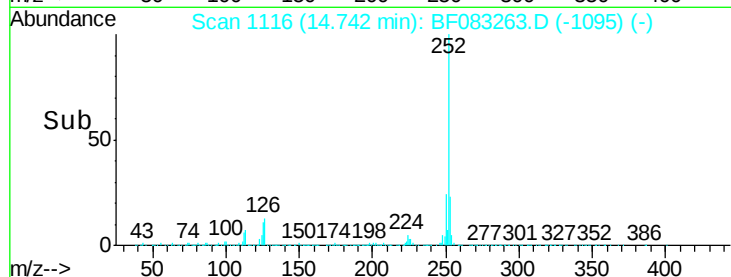
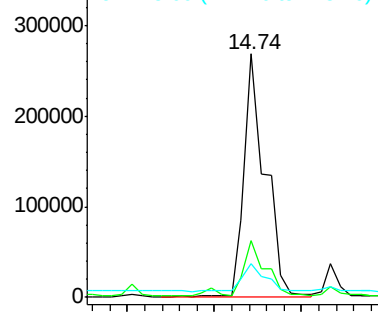
#87
Benzo(b)fluoranthene
Concen: 13.36 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	13.7	5.6	8.4

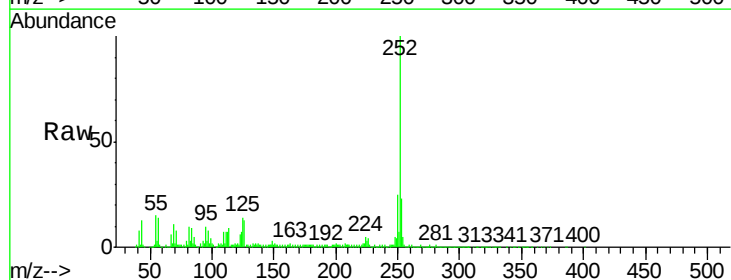


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

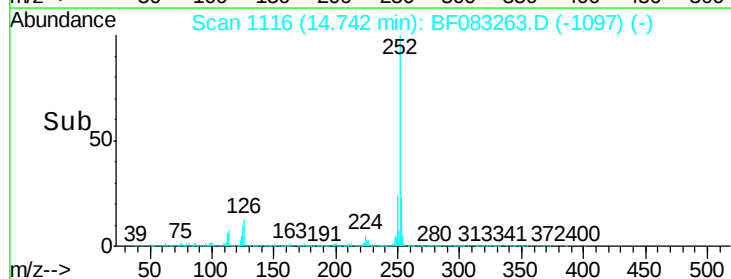
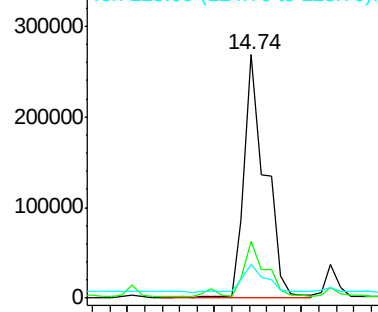


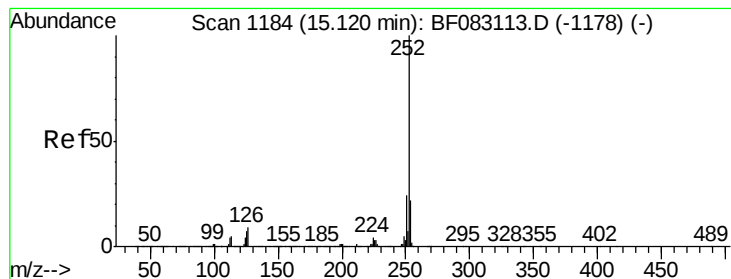
#88
Benzo(k)fluoranthene
Concen: 17.91 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.08 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	13.7	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: 7.44 ng

RT: 15.05 min Scan# 1143

Delta R.T. -0.07 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

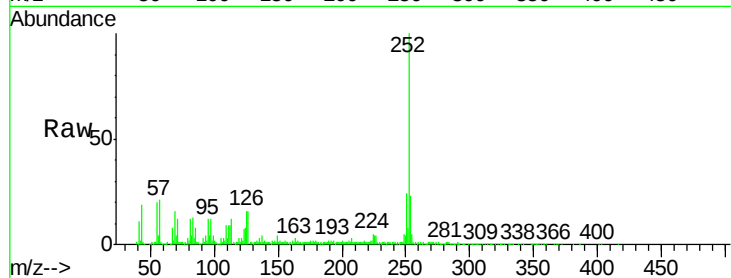
Tgt Ion: 252 Resp: 206984

Ion Ratio Lower Upper

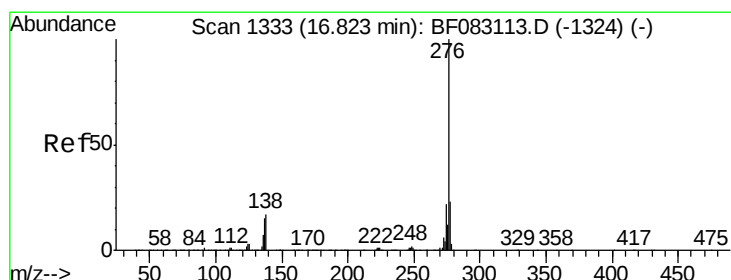
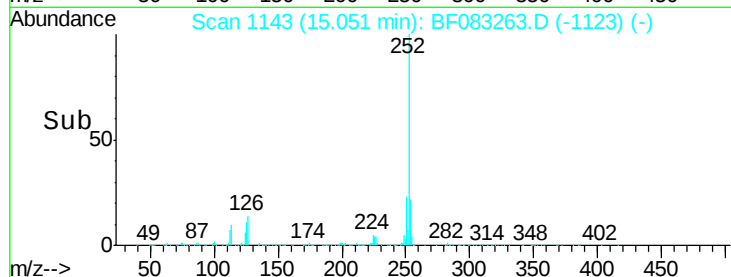
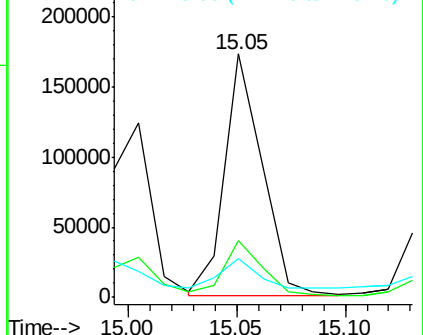
252 100

253 23.4 17.5 26.3

125 15.9 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: 4.54 ng

RT: 16.72 min Scan# 1289

Delta R.T. -0.10 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

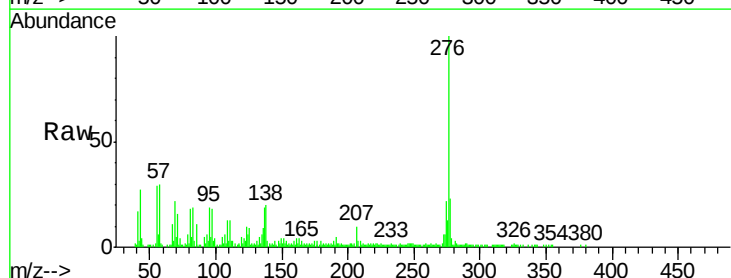
Tgt Ion: 276 Resp: 111875

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 19.9 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

