

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083444.D
 Acq On : 3 Dec 2015 5:21
 Operator : UM/IZ
 Sample : G4583-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Quant Time: Dec 03 06:49:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

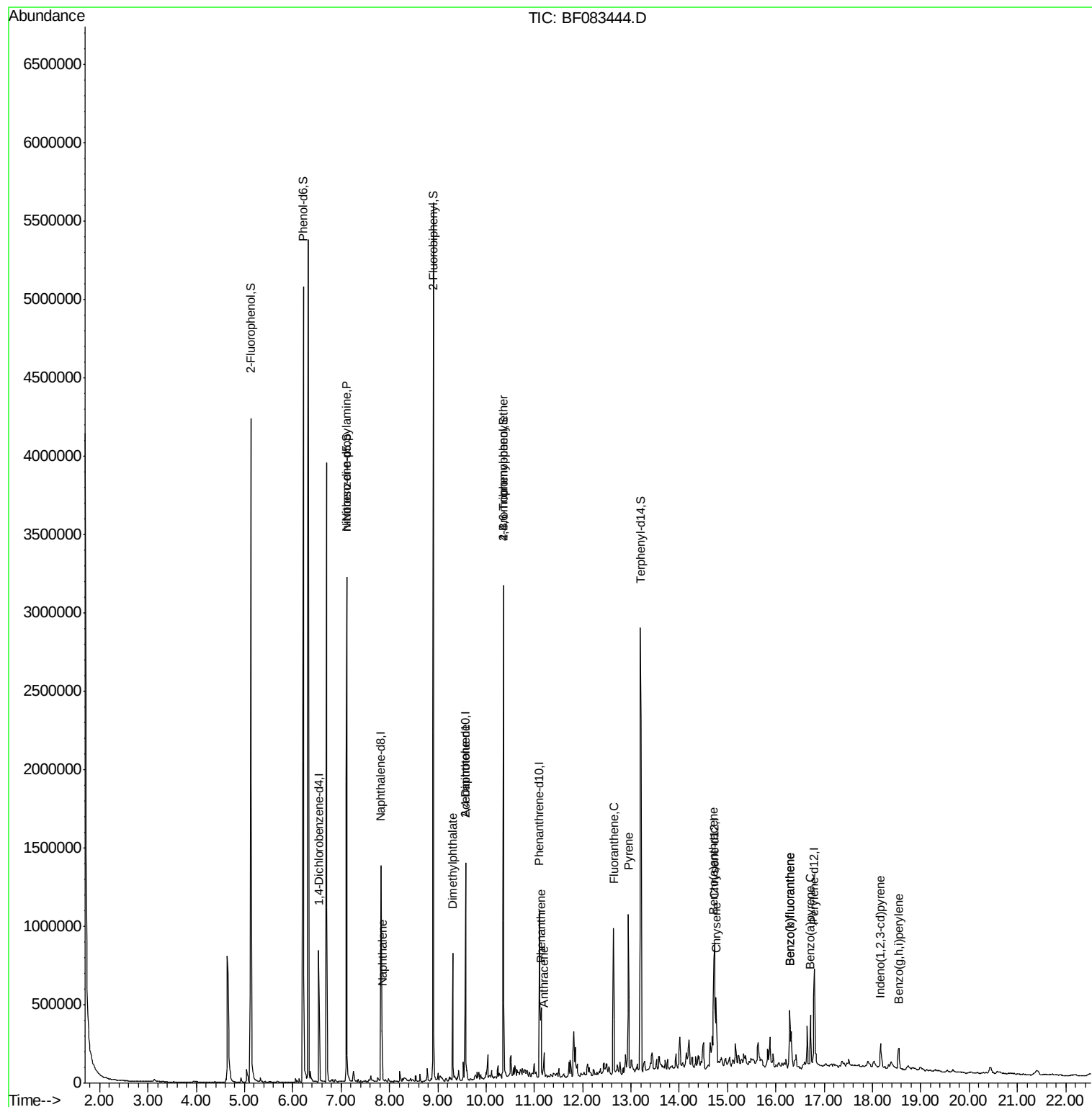
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	150961	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	563333	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	275292	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	458388	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	329425	20.00	ng	-0.03
86) Perylene-d12	16.80	264	339192	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1360008	135.18	ng	0.00
7) Phenol-d6	6.21	99	1893540	137.51	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1321751	103.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	342303	123.87	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1808448	93.61	ng	-0.01
78) Terphenyl-d14	13.20	244	1411004	102.15	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.05	77	1208	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	182019	18.49	ng	# 80
31) Naphthalene	7.85	128	135909	4.45	ng	96
49) Dimethylphthalate	9.31	163	313217	14.00	ng	98
56) 2,4-Dinitrotoluene	9.57	165	36237	5.98	ng	# 6
66) 4-Bromophenyl-phenylether	10.36	248	24258	4.84	ng	# 1
70) Phenanthrene	11.14	178	239770	8.84	ng	99
71) Anthracene	11.20	178	63690	2.33	ng	97
74) Fluoranthene	12.64	202	459352	16.34	ng	96
77) Pyrene	12.95	202	496076	21.56	ng	97
80) Benzo(a)anthracene	14.72	228	222917	11.05	ng	97
82) Chrysene	14.76	228	201545	10.34	ng	97
85) Indeno(1,2,3-cd)pyrene	18.17	276	105800	7.45	ng	# 92
87) Benzo(b)fluoranthene	16.28	252	321087	14.75	ng	99
88) Benzo(k)fluoranthene	16.28	252	321087	15.62	ng	# 96
89) Benzo(a)pyrene	16.72	252	168155	9.00	ng	# 97
91) Benzo(g,h,i)perylene	18.55	276	106284	6.65	ng	100

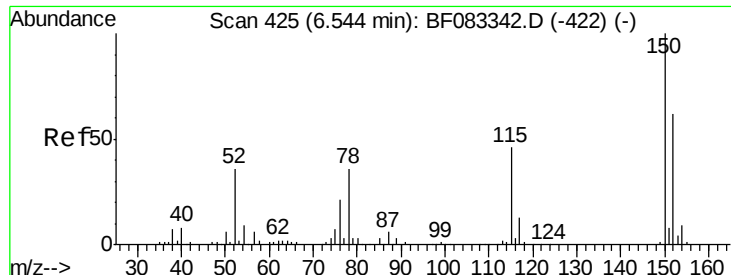
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

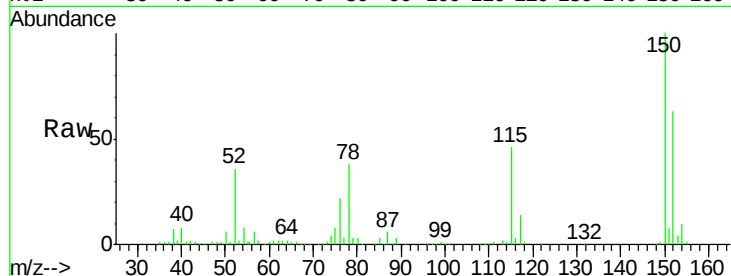
Tgt Ion:152 Resp: 150961

Ion Ratio Lower Upper

152 100

150 159.3 129.8 194.8

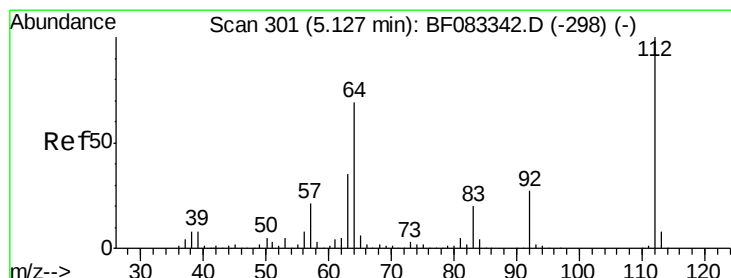
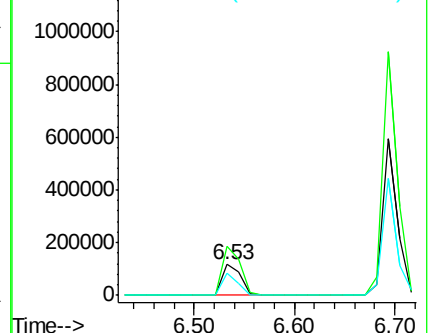
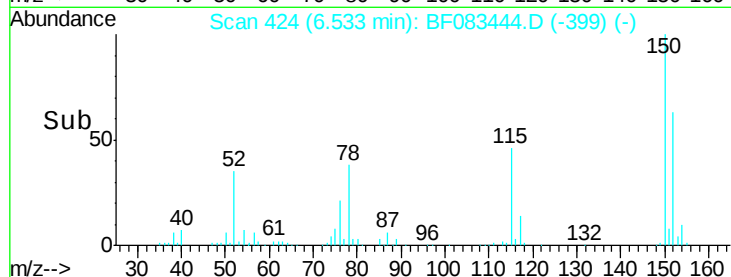
115 72.5 59.2 88.8



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: 135.18 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

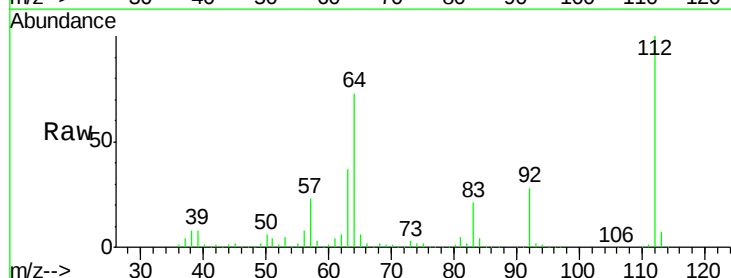
Tgt Ion:112 Resp: 1360008

Ion Ratio Lower Upper

112 100

64 72.7 55.6 83.4

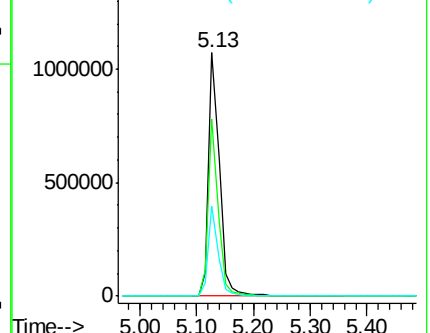
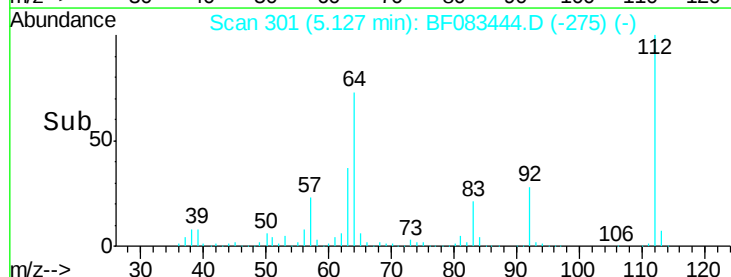
63 37.0 28.2 42.2

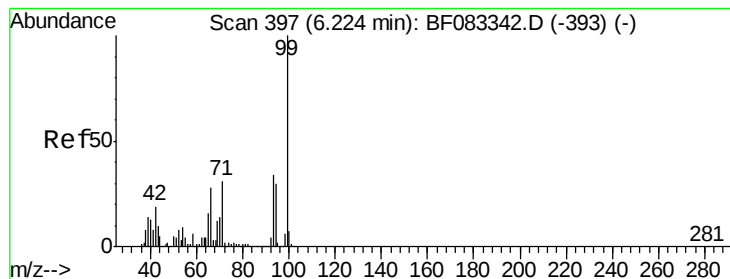


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.51 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

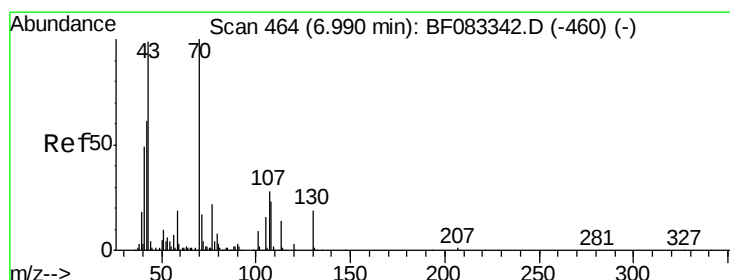
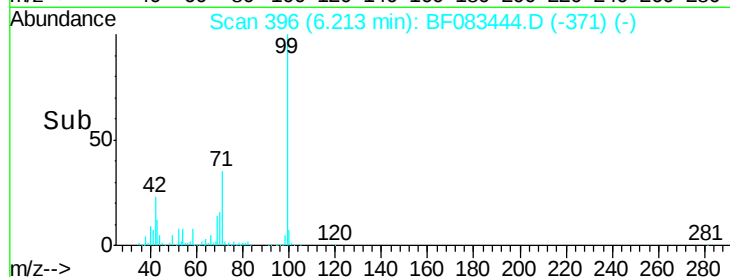
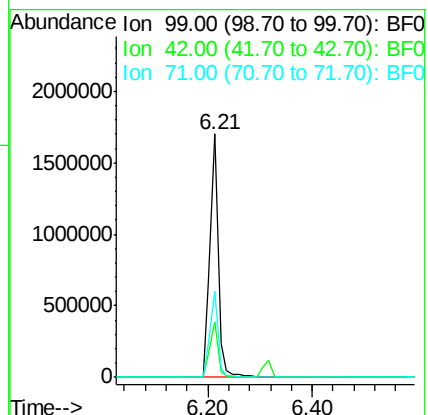
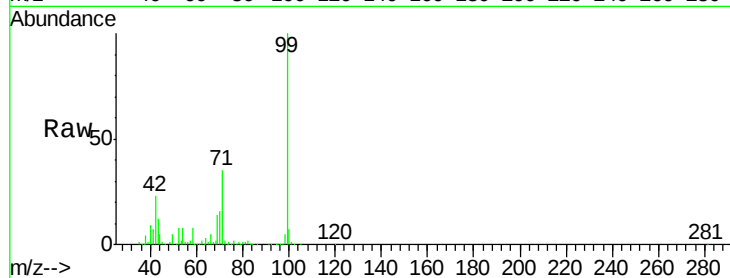
Tgt Ion: 99 Resp: 1893540

Ion Ratio Lower Upper

99 100

42 22.6 14.9 22.3#

71 35.3 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 18.49 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Tgt Ion: 70 Resp: 182019

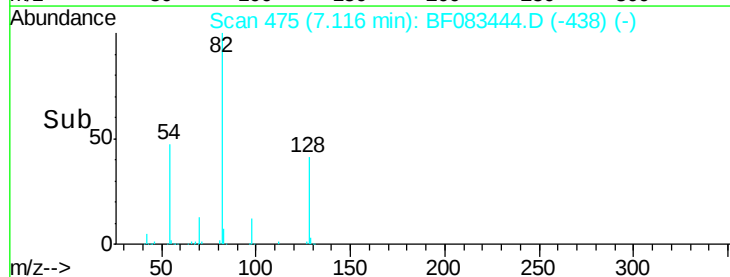
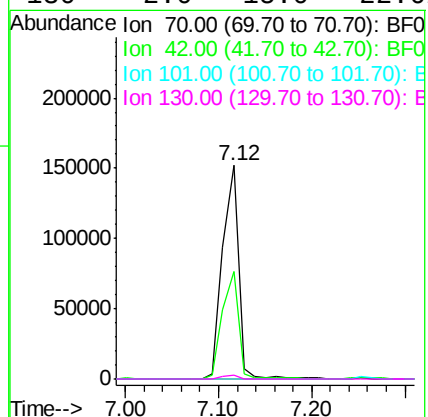
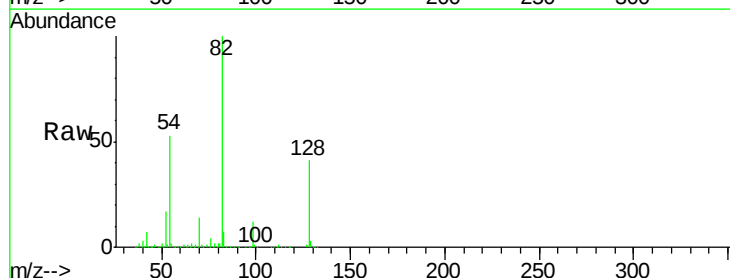
Ion Ratio Lower Upper

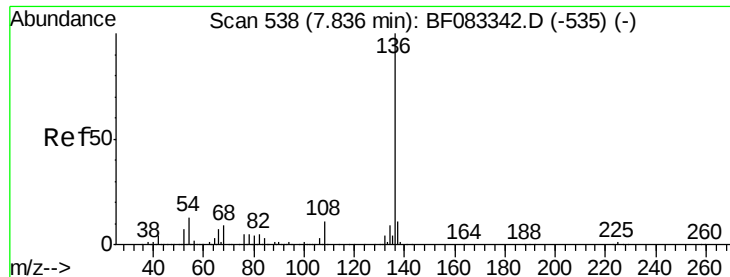
70 100

42 50.3 48.8 73.2

101 0.0 7.1 10.7#

130 2.0 15.0 22.6#

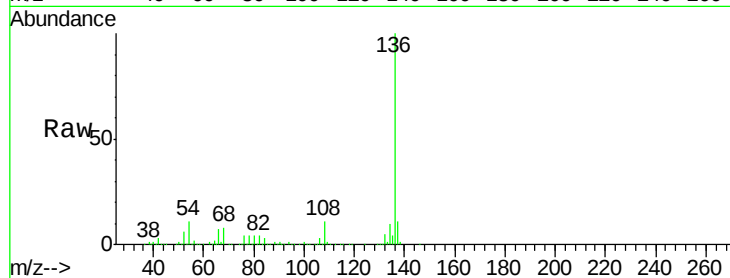




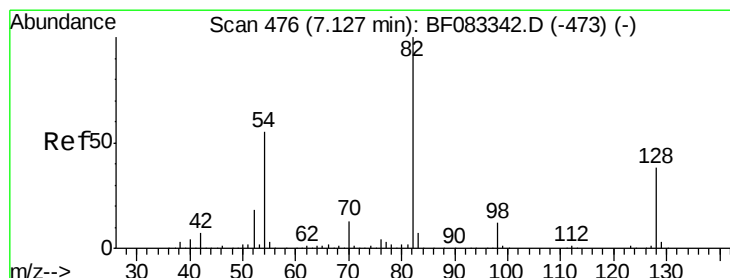
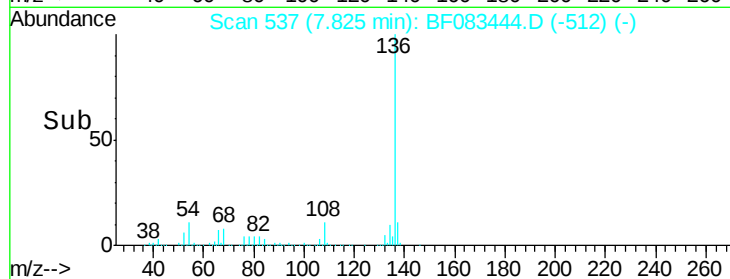
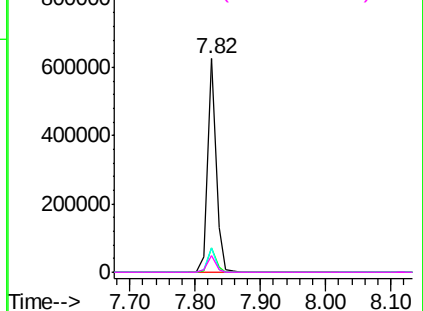
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tgt Ion:	136	Resp:	563333
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	11.2	10.1	15.1
68	8.0	7.1	10.7

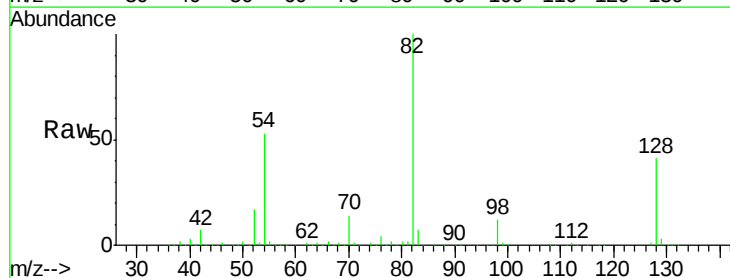


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

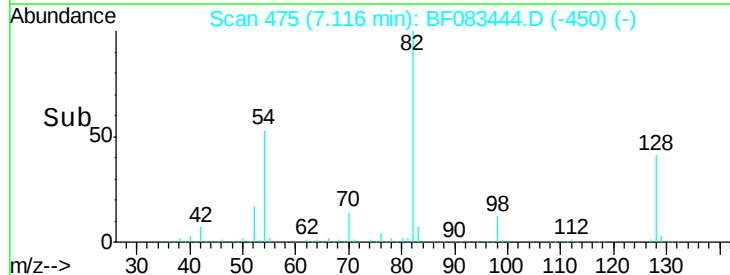
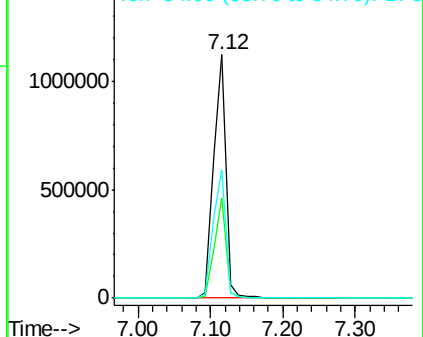


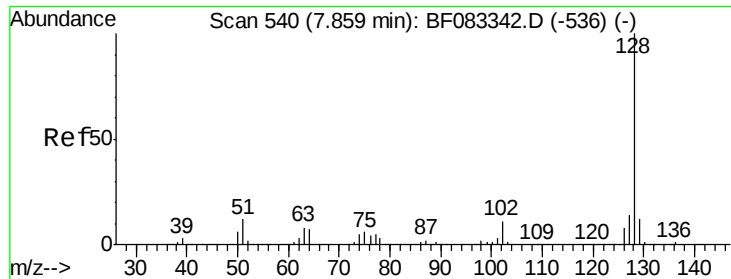
#23
Nitrobenzene-d5
Concen: 103.14 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion:	82	Resp:	1321751
Ion	Ratio	Lower	Upper
82	100		
128	41.0	30.6	46.0
54	52.6	43.8	65.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

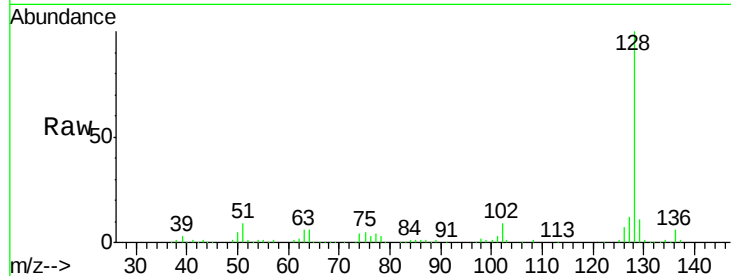




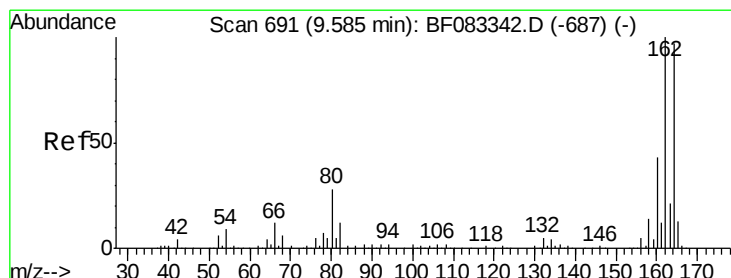
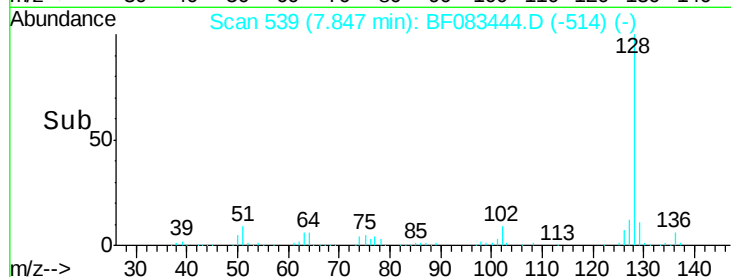
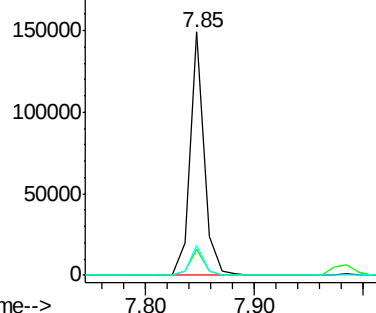
#31
Naphthalene
Concen: 4.45 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tgt Ion:128 Resp: 135909
Ion Ratio Lower Upper
128 100
129 10.5 9.7 14.5
127 12.2 11.0 16.4

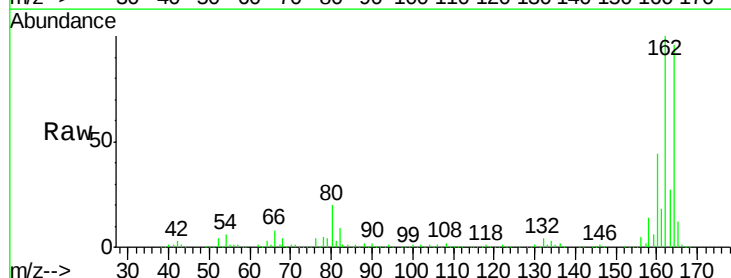


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

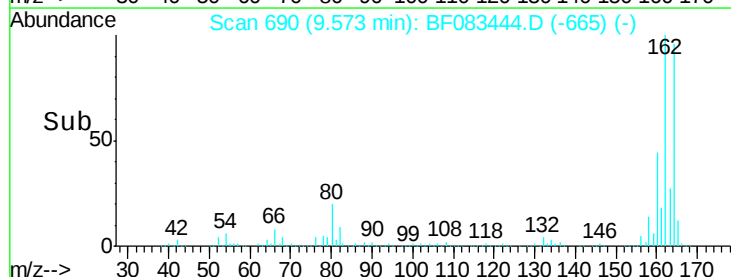
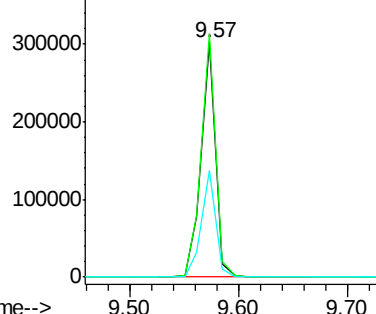


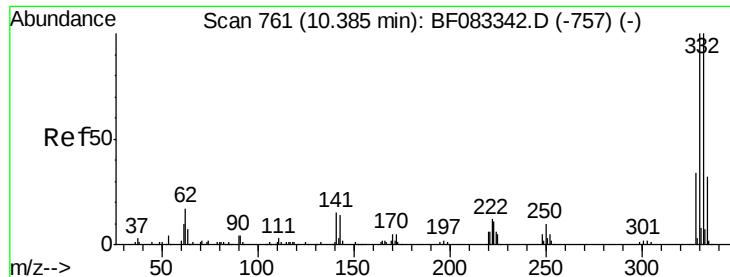
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion:164 Resp: 275292
Ion Ratio Lower Upper
164 100
162 104.0 82.6 123.8
160 45.4 35.3 52.9



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

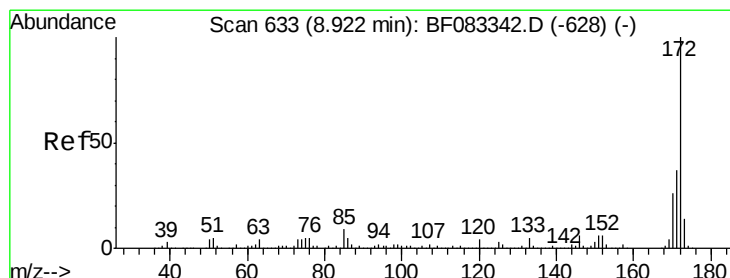
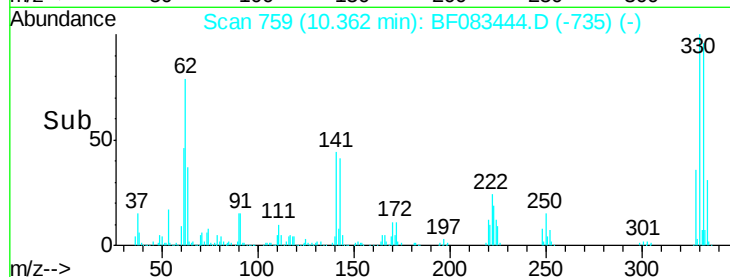
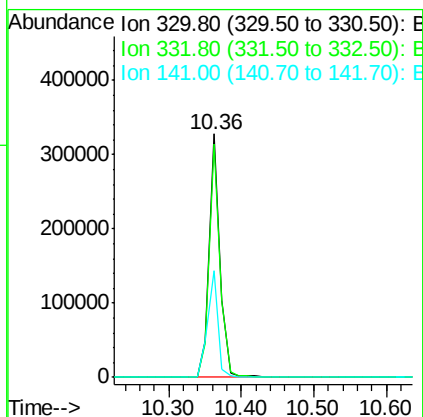
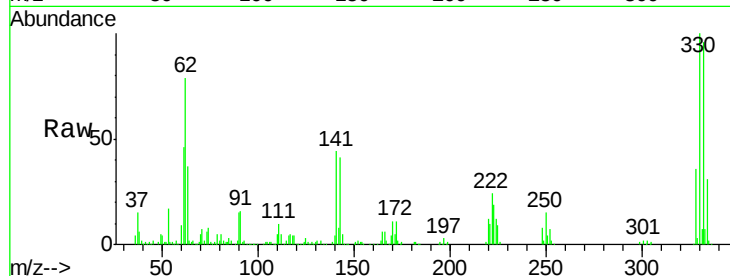




#41
 2,4,6-Tribromophenol
 Concen: 123.87 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

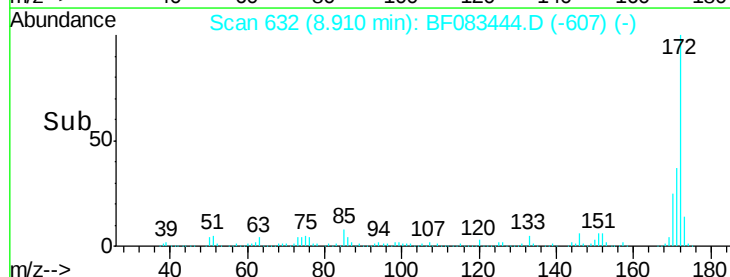
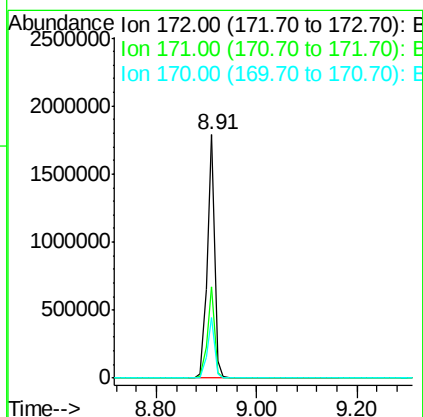
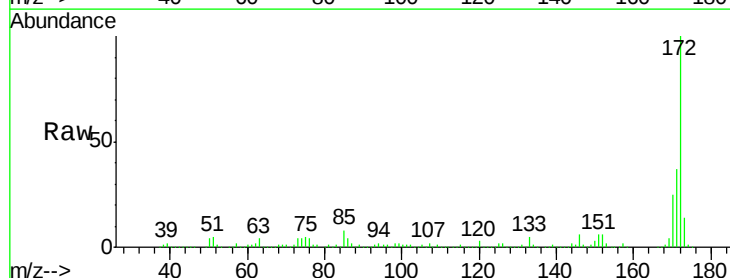
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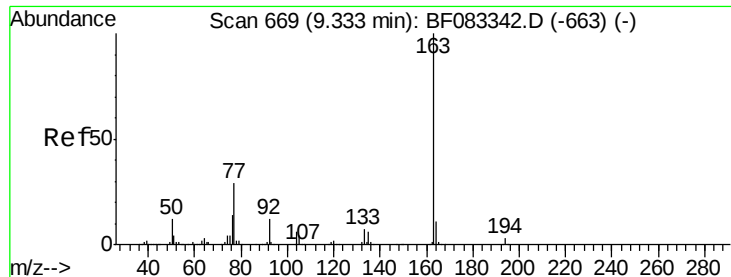
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.8	116.6
141	41.2	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 93.61 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	25.1	20.4	30.6





#49

Dimethylphthalate

Concen: 14.00 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

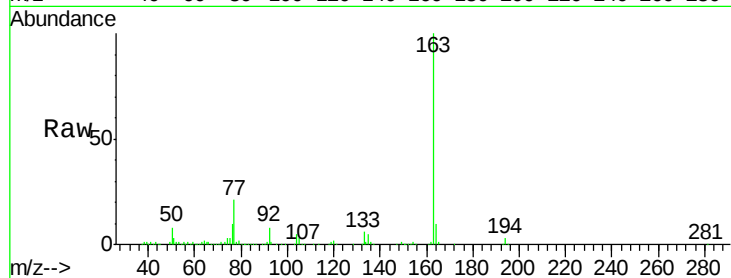
Tgt Ion:163 Resp: 313217

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

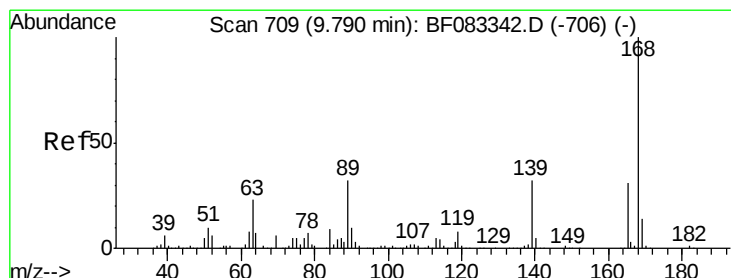
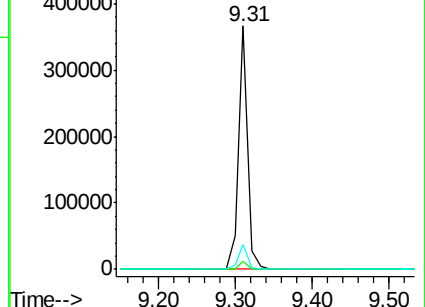
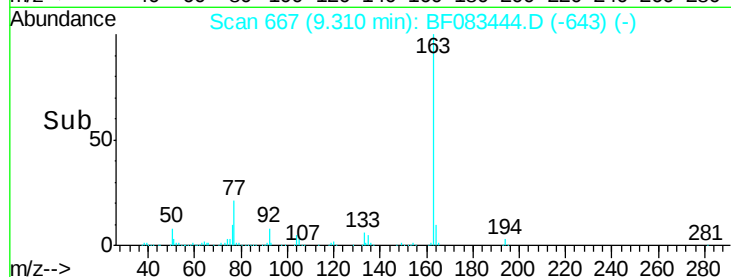
164 9.9 8.8 13.2



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: 5.98 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.22 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Tgt Ion:165 Resp: 36237

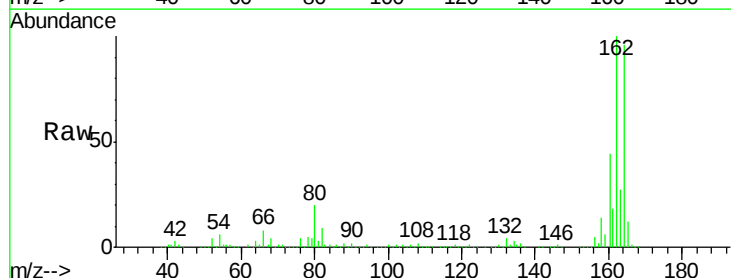
Ion Ratio Lower Upper

165 100

63 1.6 65.4 98.0#

89 1.8 81.2 121.8#

182 0.0 1.8 2.8#

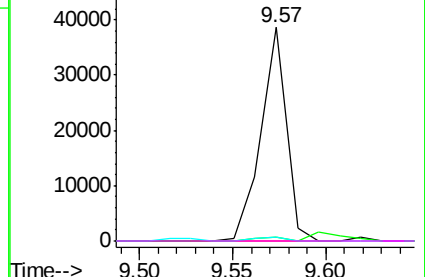
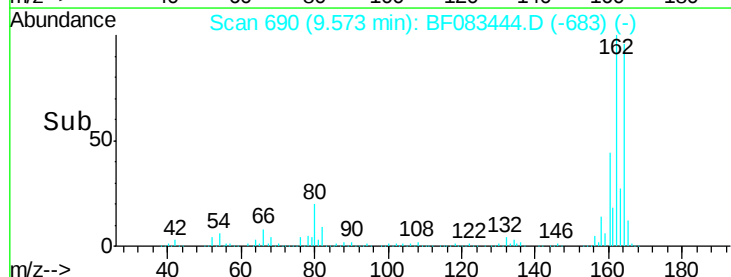


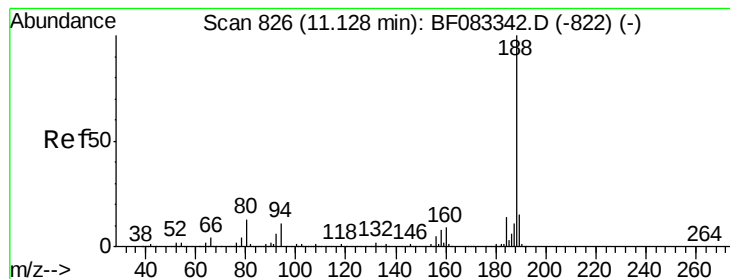
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.10 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

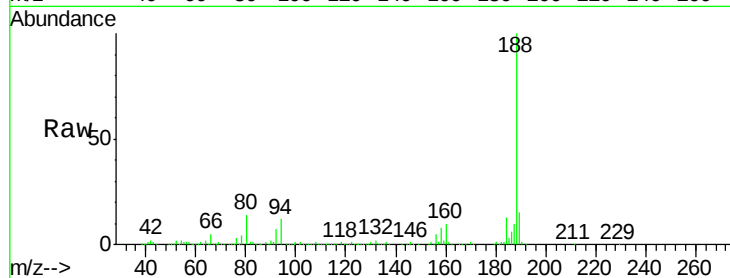
Tgt Ion:188 Resp: 458388

Ion Ratio Lower Upper

188 100

94 11.9 8.7 13.1

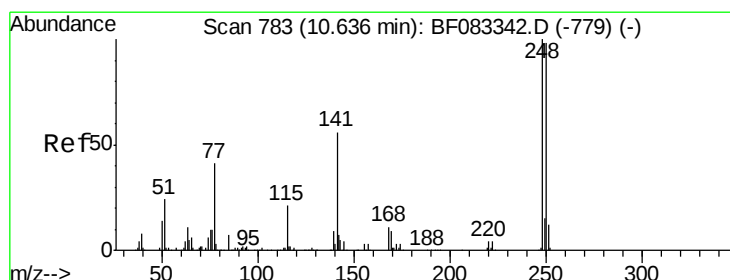
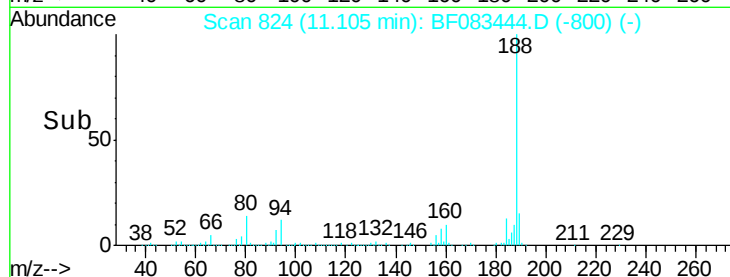
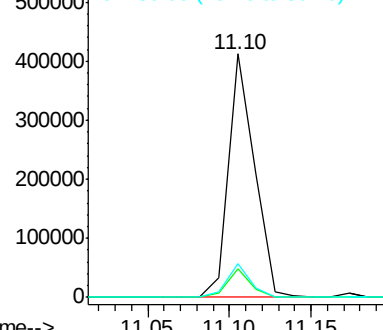
80 13.7 10.3 15.5



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



#66

4-Bromophenyl-phenylether

Concen: 4.84 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.27 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

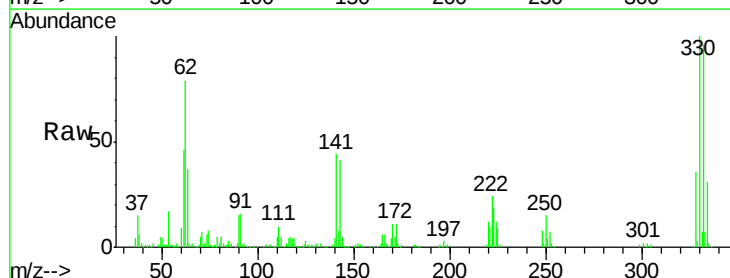
Tgt Ion:248 Resp: 24258

Ion Ratio Lower Upper

248 100

250 196.2 78.6 118.0#

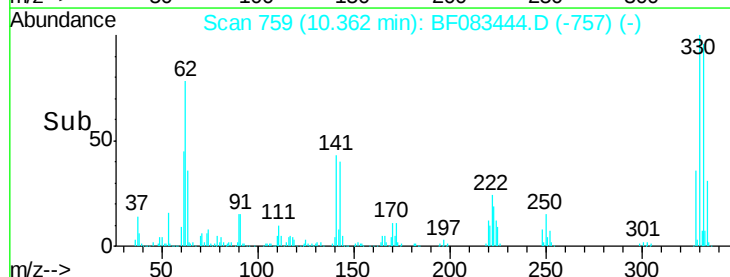
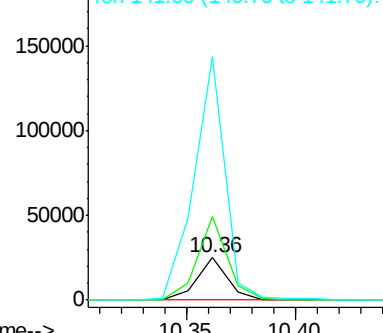
141 572.6 44.4 66.6#

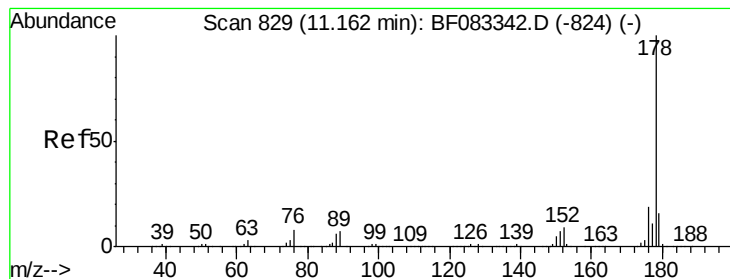


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.84 ng

RT: 11.14 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

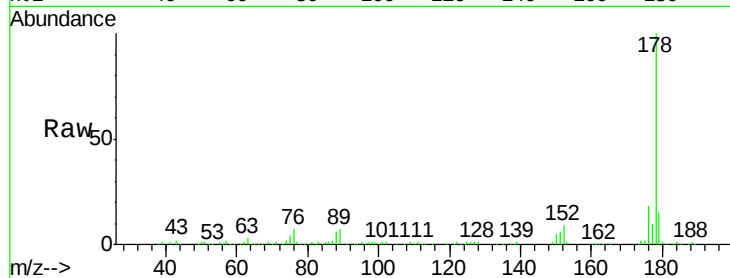
Tgt Ion:178 Resp: 239770

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

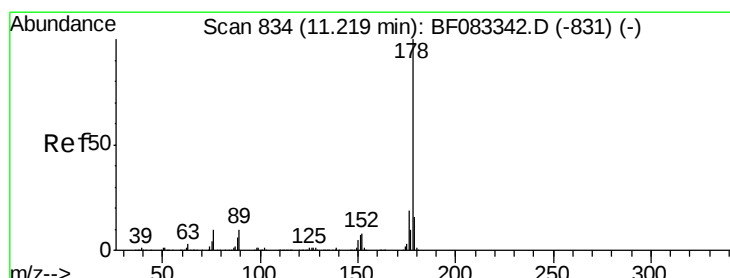
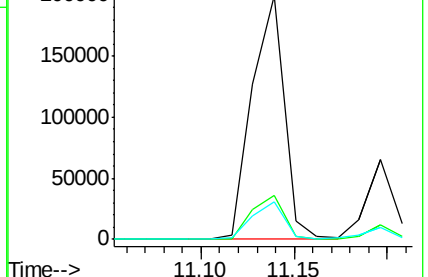
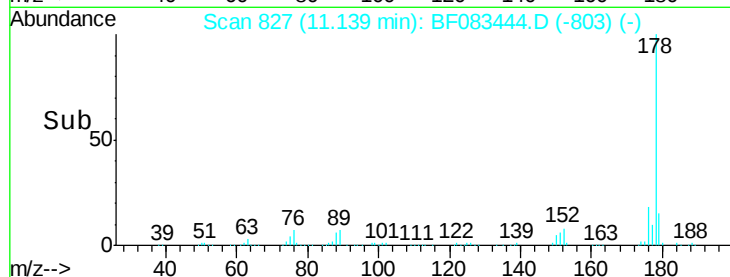
179 15.2 12.4 18.6



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



#71

Anthracene

Concen: 2.33 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

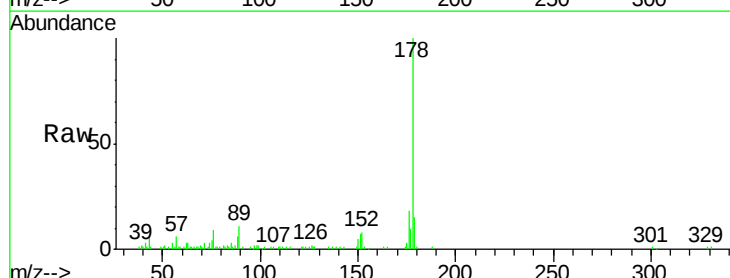
Tgt Ion:178 Resp: 63690

Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

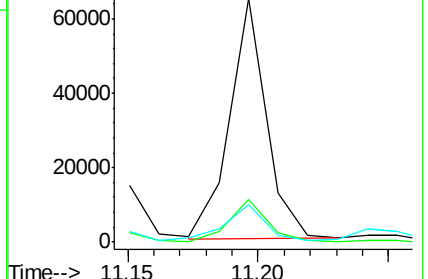
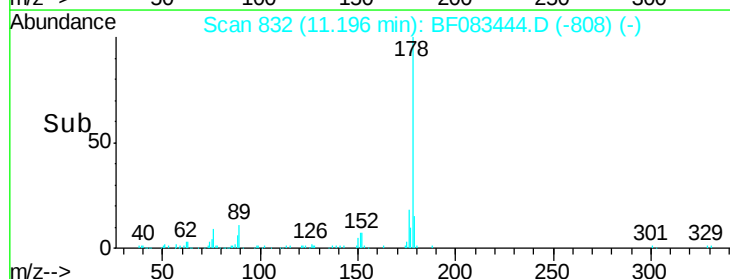
179 15.5 12.8 19.2

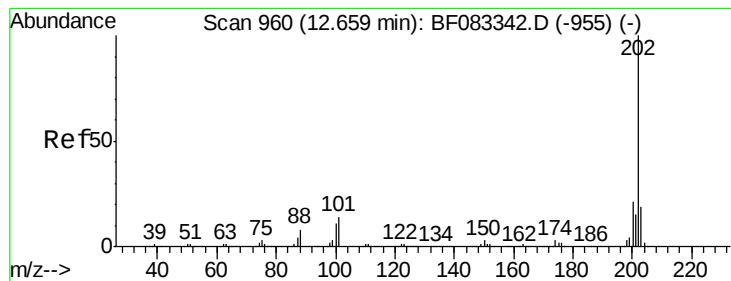


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.34 ng

RT: 12.64 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

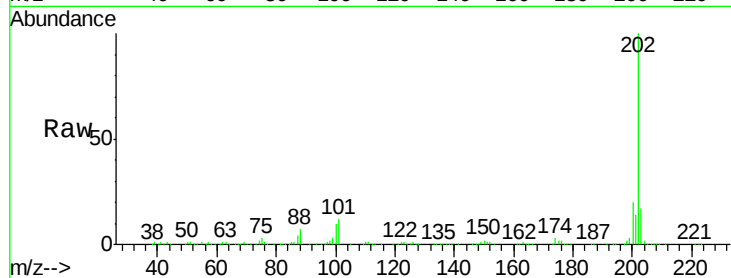
Tgt Ion: 202 Resp: 459352

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.5

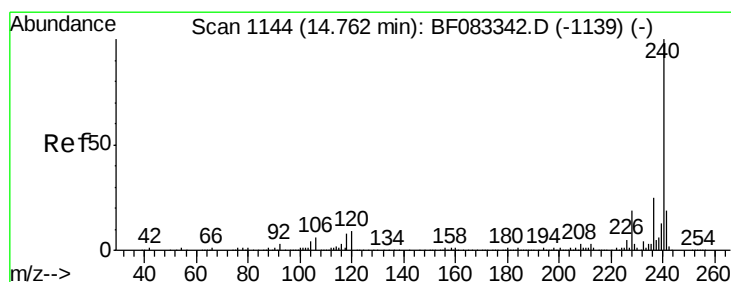
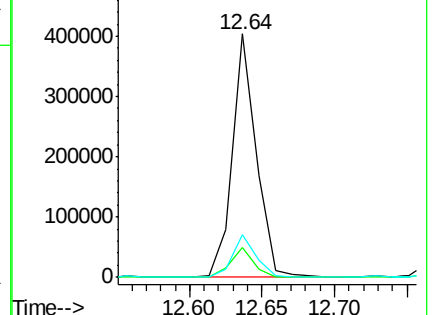
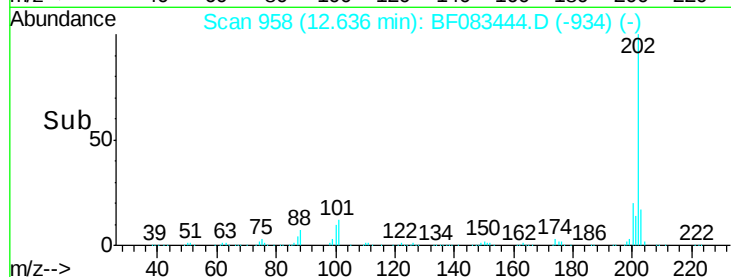
203 17.4 0.0 38.7



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: 14.73 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

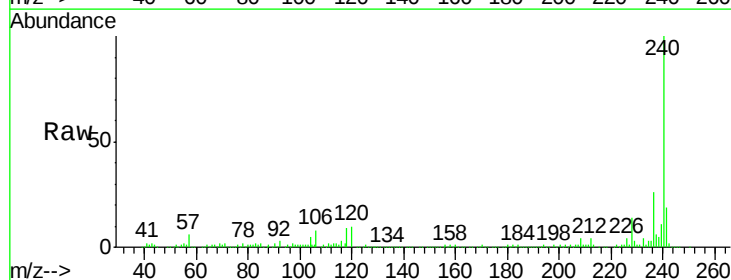
Tgt Ion: 240 Resp: 329425

Ion Ratio Lower Upper

240 100

120 9.8 6.9 10.3

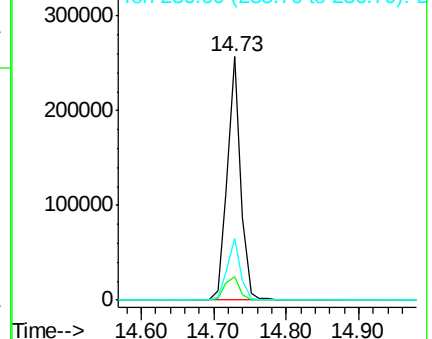
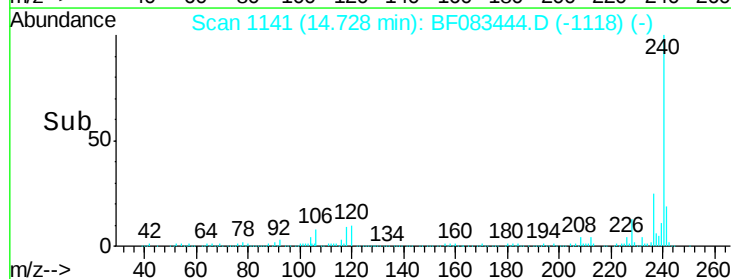
236 25.6 19.8 29.6

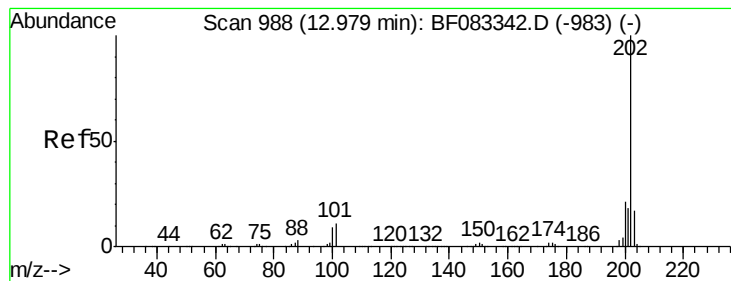


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 21.56 ng

RT: 12.95 min Scan# 985

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

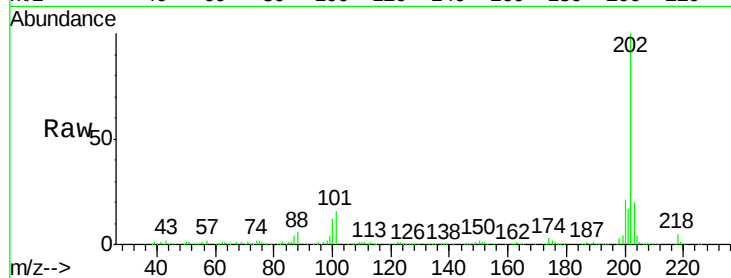
Tgt Ion: 202 Resp: 496076

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

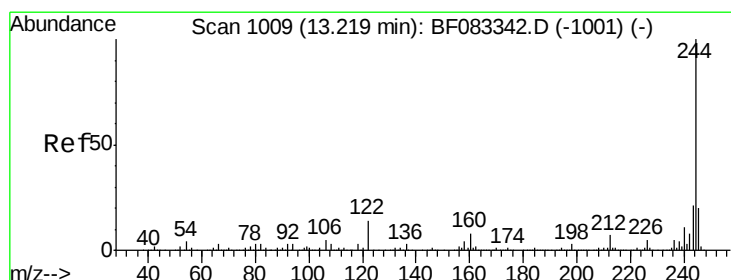
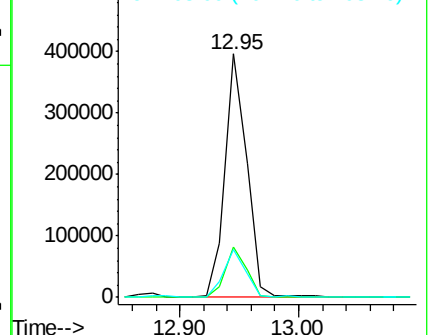
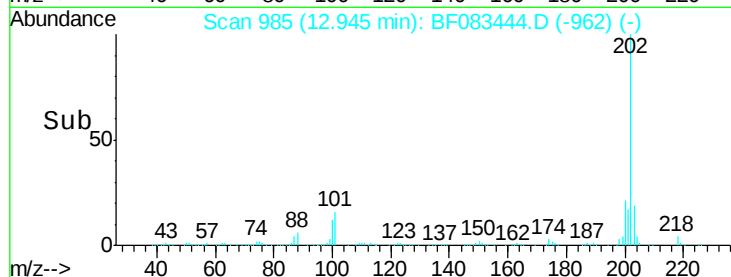
203 19.6 13.9 20.9



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: 102.15 ng

RT: 13.20 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

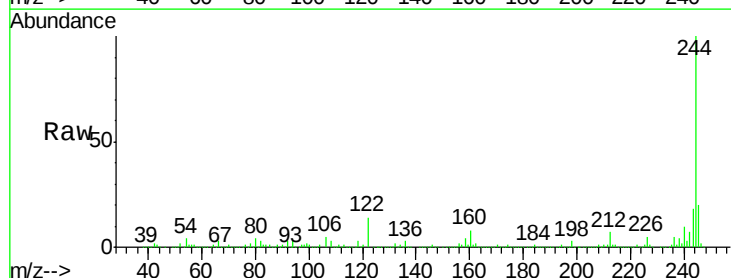
Tgt Ion: 244 Resp: 1411004

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

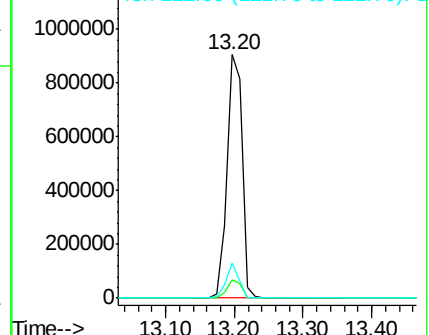
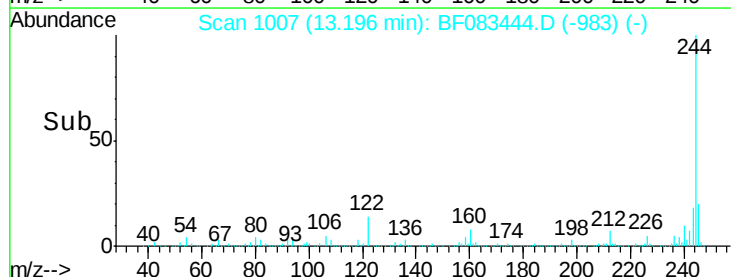
122 14.3 11.0 16.4

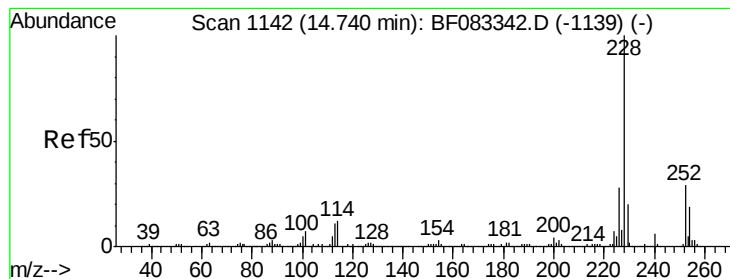


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.05 ng

RT: 14.72 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

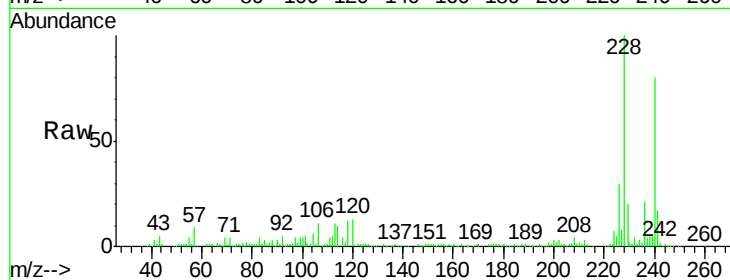
Tgt Ion:228 Resp: 222917

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.4

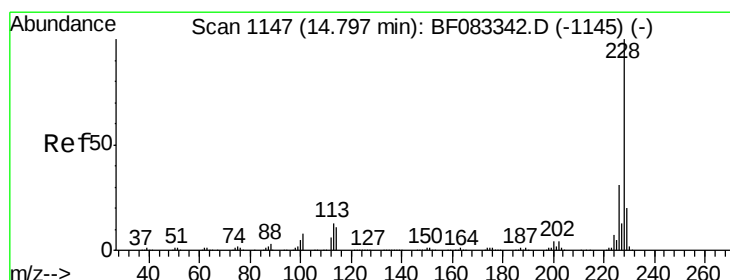
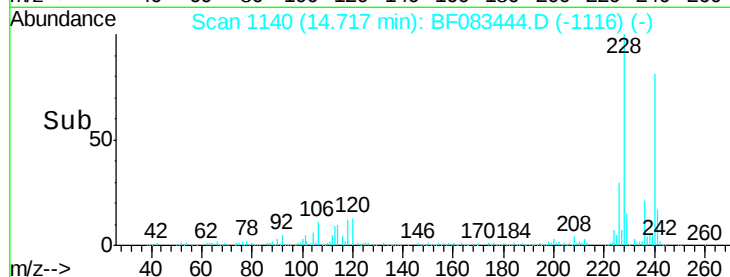
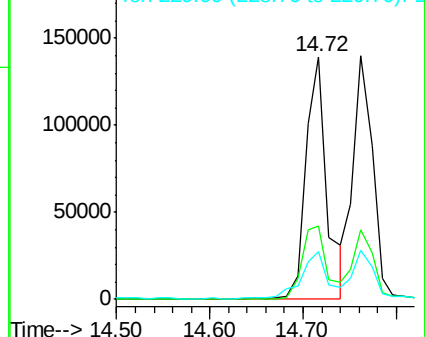
229 19.8 16.1 24.1



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



#82

Chrysene

Concen: 10.34 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

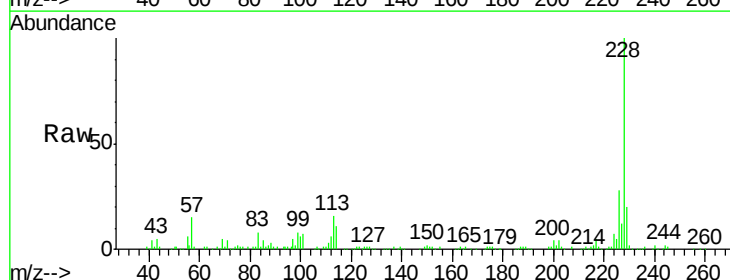
Tgt Ion:228 Resp: 201545

Ion Ratio Lower Upper

228 100

226 28.4 24.6 37.0

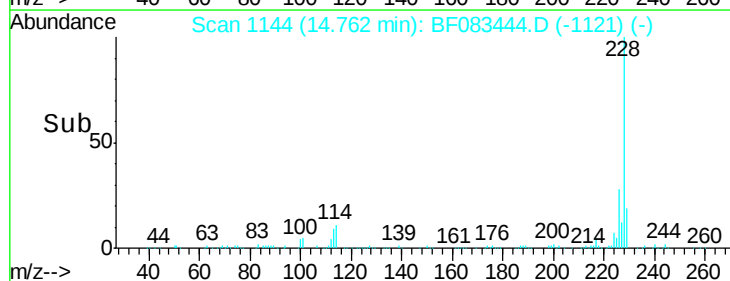
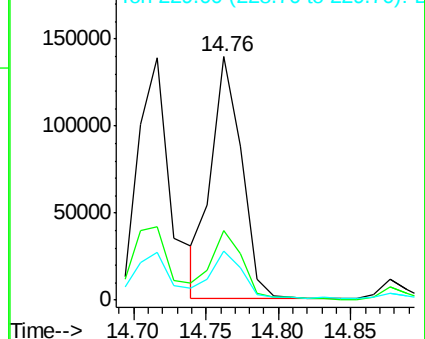
229 20.2 16.2 24.2

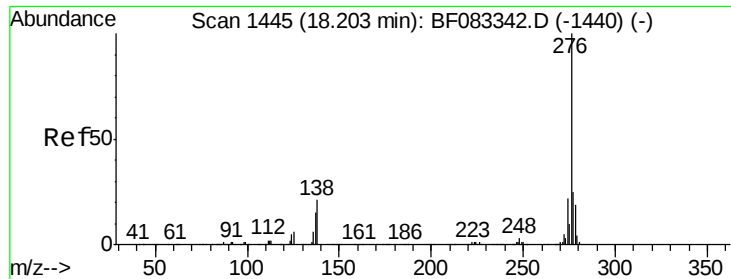


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

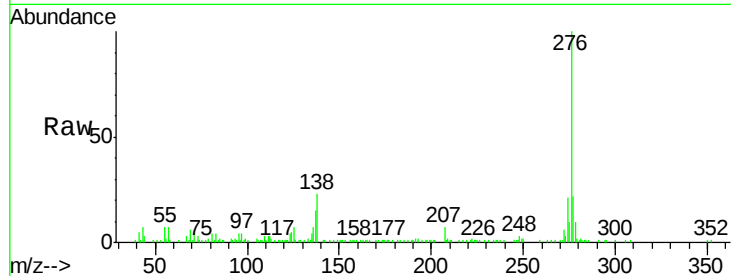




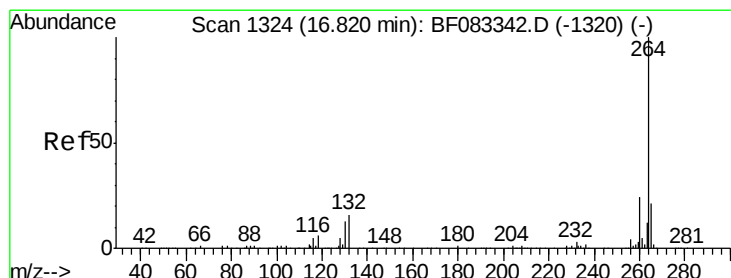
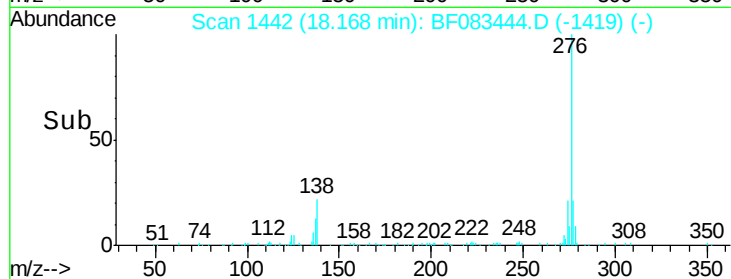
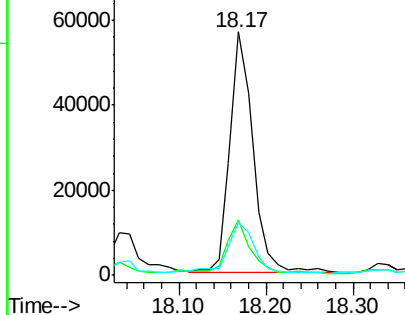
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.45 ng
 RT: 18.17 min Scan# 1442
 Delta R.T. -0.03 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Tgt Ion: 276 Resp: 105800
 Ion Ratio Lower Upper
 276 100
 138 20.4 21.2 31.8#
 277 23.6 20.0 30.0

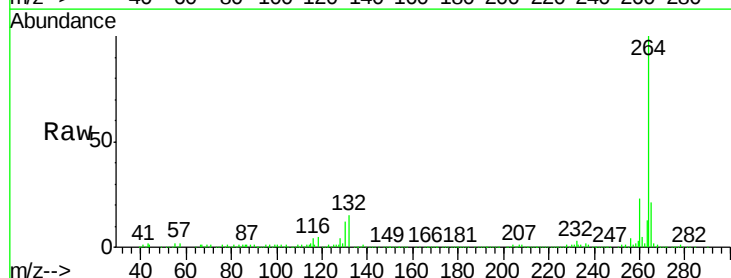


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

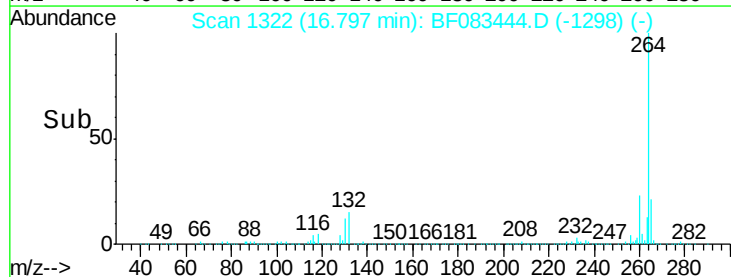
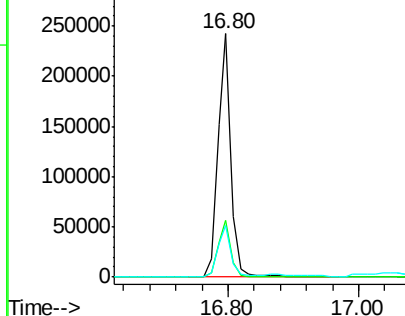


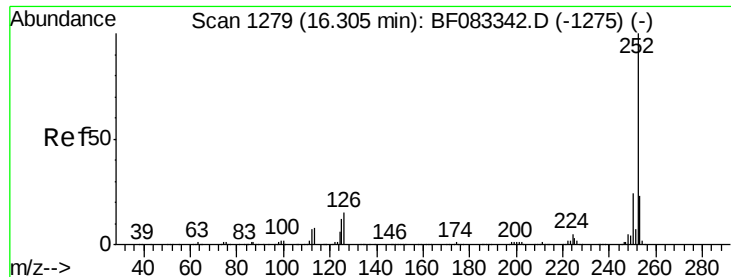
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.80 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Tgt Ion: 264 Resp: 339192
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.4
 265 21.3 16.8 25.2



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

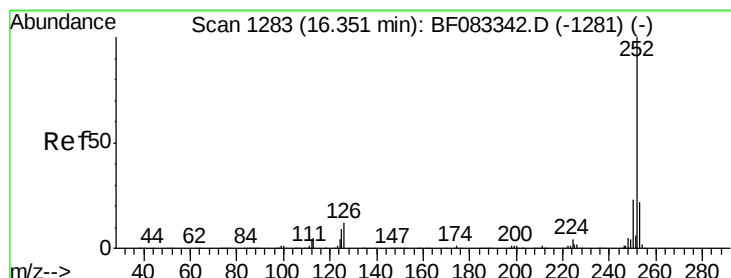
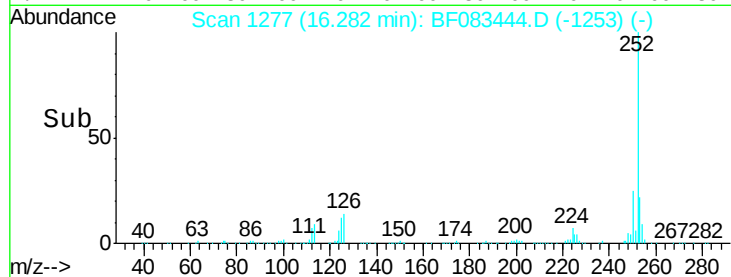
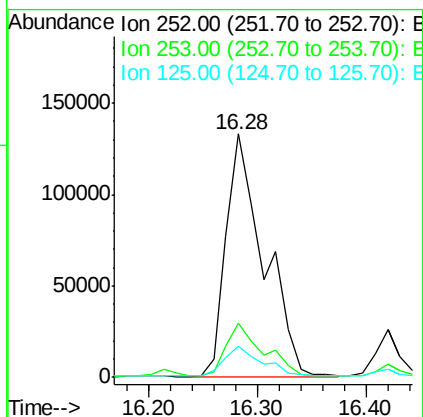
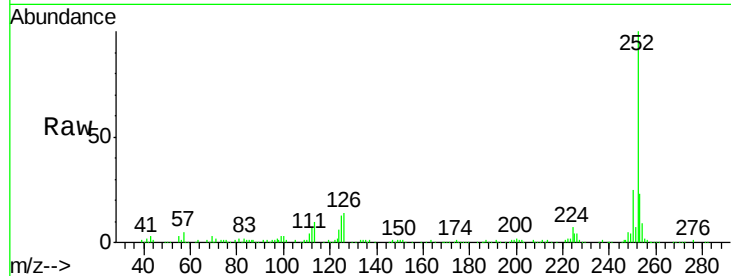




#87
Benzo(b)fluoranthene
Concen: 14.75 ng
RT: 16.28 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

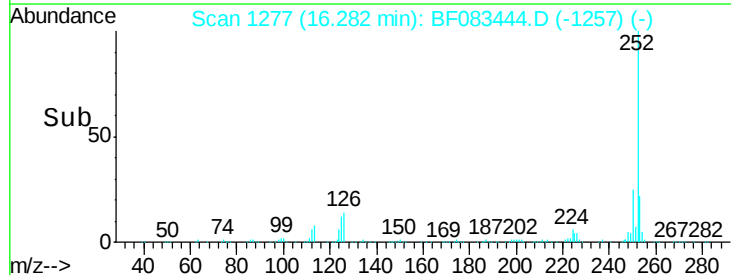
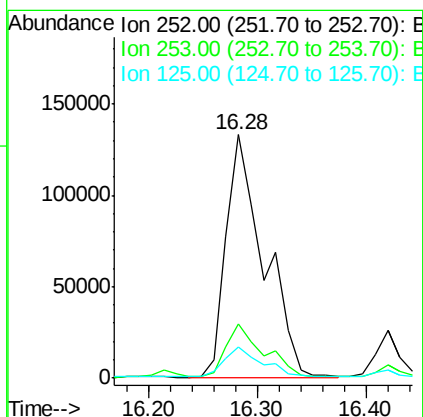
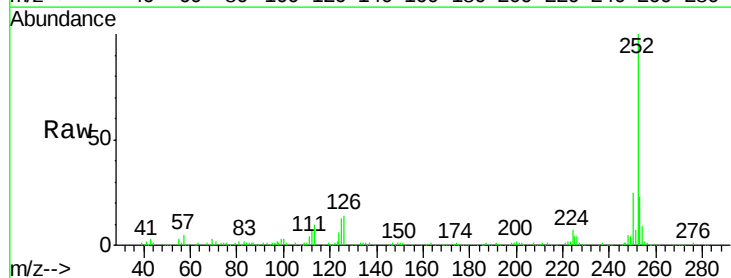
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

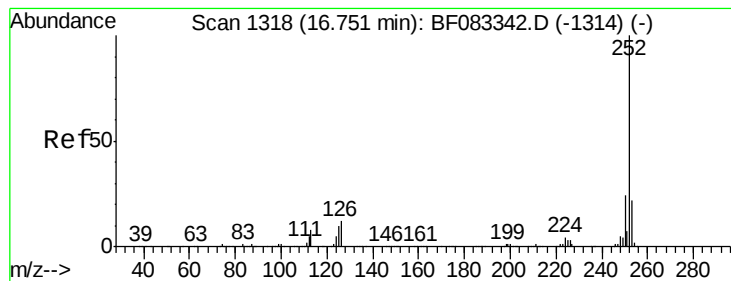
Tgt Ion:252 Resp: 321087
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 12.5 9.6 14.4



#88
Benzo(k)fluoranthene
Concen: 15.62 ng
RT: 16.28 min Scan# 1277
Delta R.T. -0.07 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion:252 Resp: 321087
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 12.5 7.5 11.3#





#89

Benzo(a)pyrene

Concen: 9.00 ng

RT: 16.72 min Scan# 1315

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

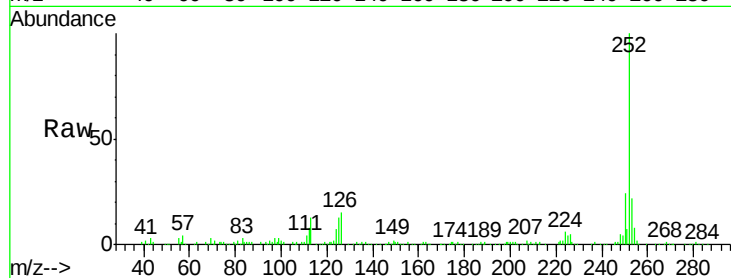
Tgt Ion:252 Resp: 168155

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

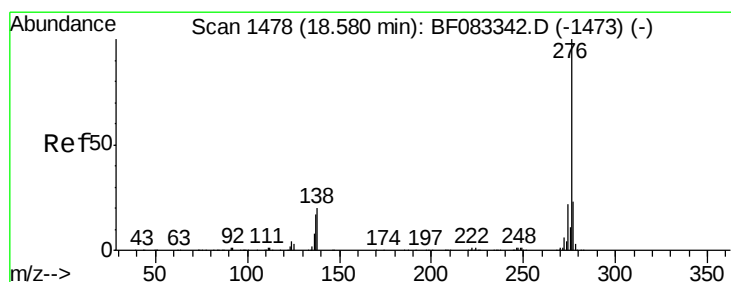
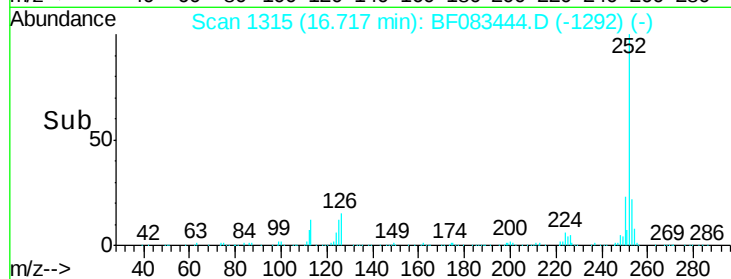
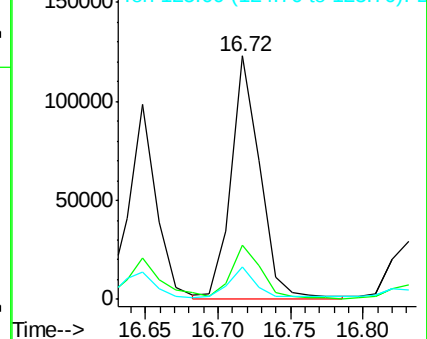
125 13.1 7.8 11.8#



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: 6.65 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

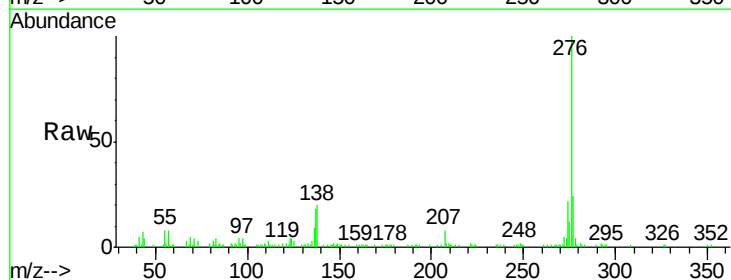
Tgt Ion:276 Resp: 106284

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 20.2 16.1 24.1



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

