

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082512.D
 Acq On : 24 Oct 2015 14:26
 Operator : UM/IZ
 Sample : G4117-11RE
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

Quant Time: Oct 24 23:25:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

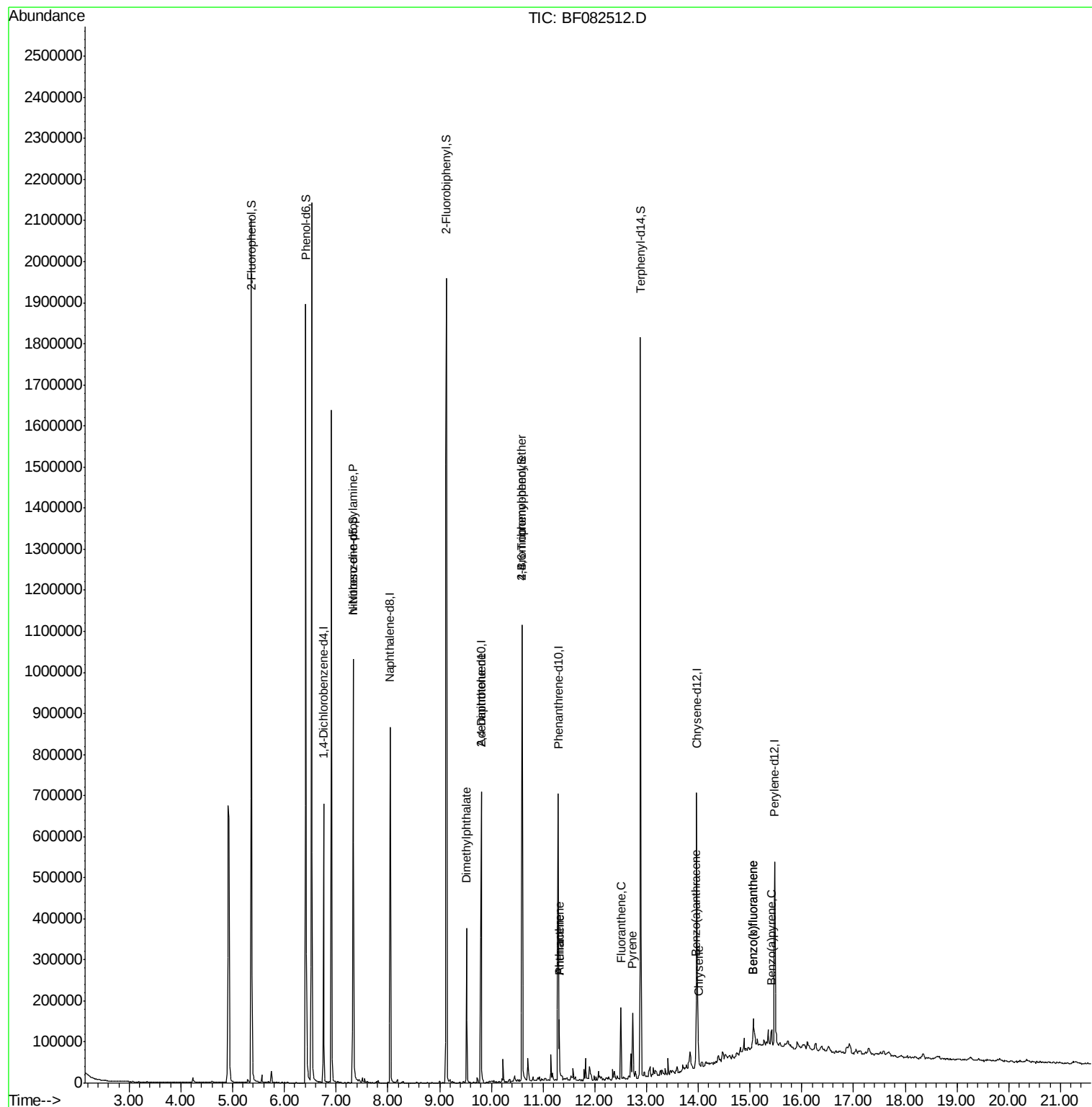
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	103090	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	388003	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	169146	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	277827	20.00	ng	0.00
75) Chrysene-d12	13.97	240	249748	20.00	ng	-0.07
86) Perylene-d12	15.48	264	203837	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	620707	121.52	ng	0.01
7) Phenol-d6	6.41	99	765492	115.16	ng	-0.01
23) Nitrobenzene-d5	7.33	82	448202	77.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	117768	74.24	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	906276	88.85	ng	0.00
78) Terphenyl-d14	12.88	244	571426	60.63	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	58540	12.54	ng	# 80
49) Dimethylphthalate	9.52	163	179595	15.08	ng	99
55) 4-Nitrophenol	10.01	139	368	Below Cal	#	11
56) 2,4-Dinitrotoluene	9.81	165	20997	6.68	ng	# 23
66) 4-Bromophenyl-phenylether	10.59	248	9626	3.46	ng	# 1
70) Phenanthrene	11.31	178	58631	4.31	ng	97
71) Anthracene	11.31	178	58631	4.18	ng	98
74) Fluoranthene	12.50	202	68580	4.69	ng	99
77) Pyrene	12.73	202	68759	4.64	ng	98
80) Benzo(a)anthracene	13.96	228	36610	2.82	ng	99
82) Chrysene	14.00	228	34062	2.49	ng	97
87) Benzo(b)fluoranthene	15.06	252	49685	4.01	ng	# 96
88) Benzo(k)fluoranthene	15.06	252	49685	4.77	ng	# 94
89) Benzo(a)pyrene	15.42	252	21977	2.06	ng	# 97

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

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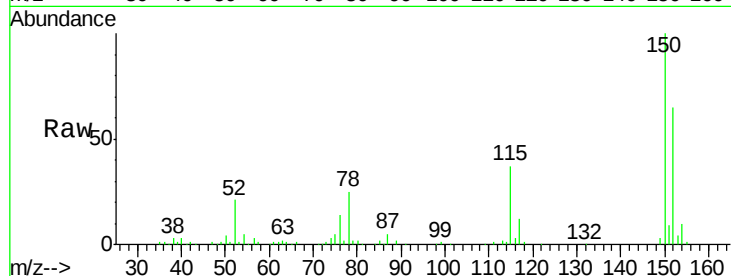




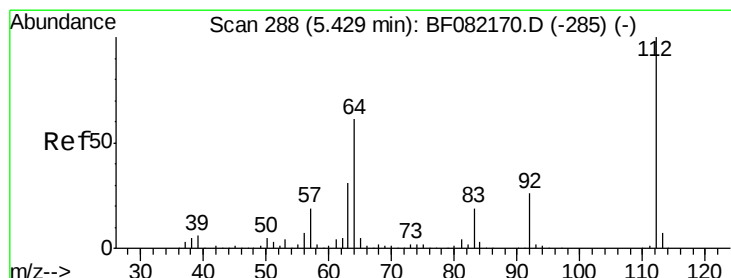
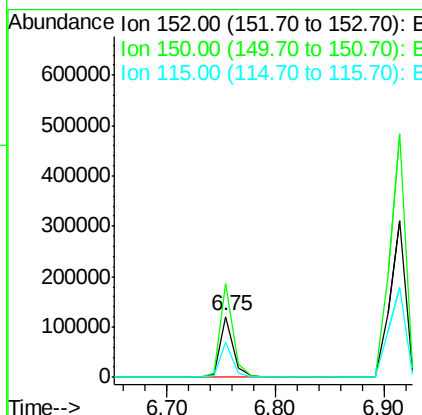
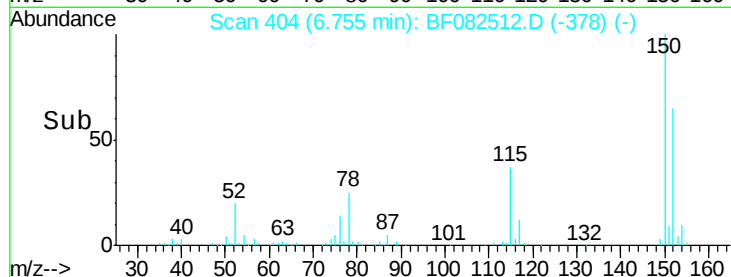
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

Tgt Ion:152 Resp: 103090
 Ion Ratio Lower Upper
 152 100
 150 152.7 129.0 193.4
 115 56.6 52.1 78.1

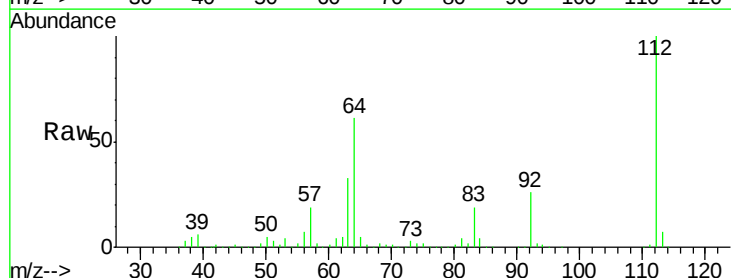


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

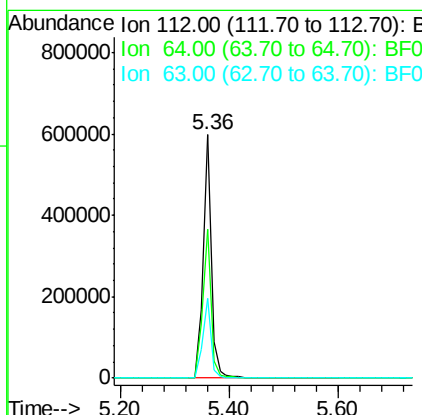
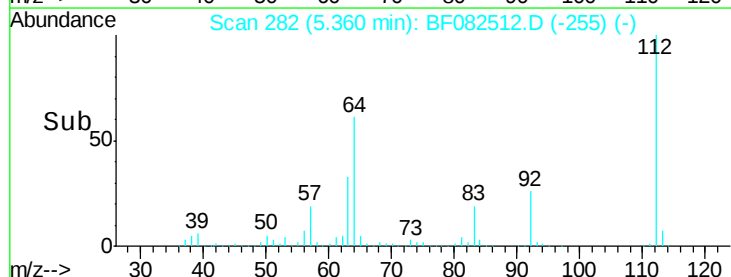


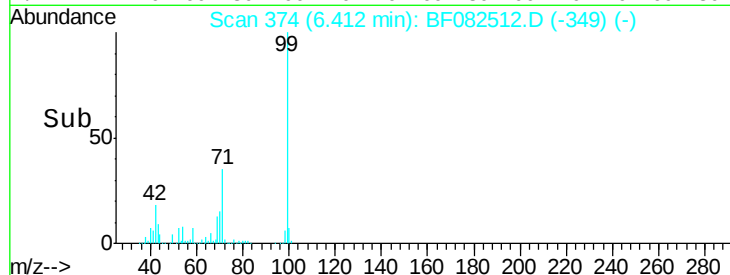
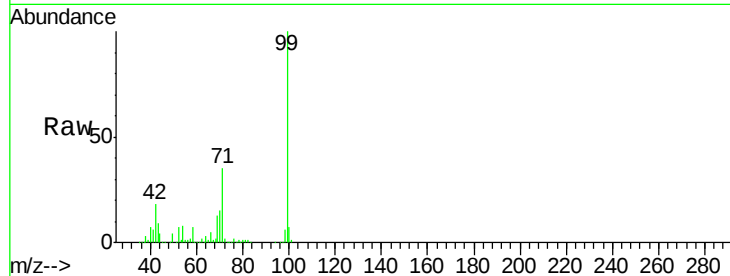
#5
 2-Fluorophenol
 Concen: 121.52 ng
 RT: 5.36 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Tgt Ion:112 Resp: 620707
 Ion Ratio Lower Upper
 112 100
 64 61.1 48.6 73.0
 63 32.7 25.1 37.7



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: 115.16 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

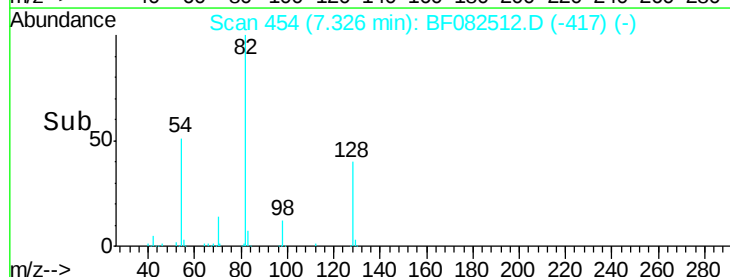
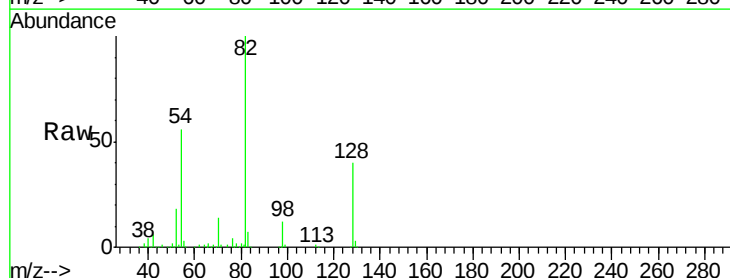
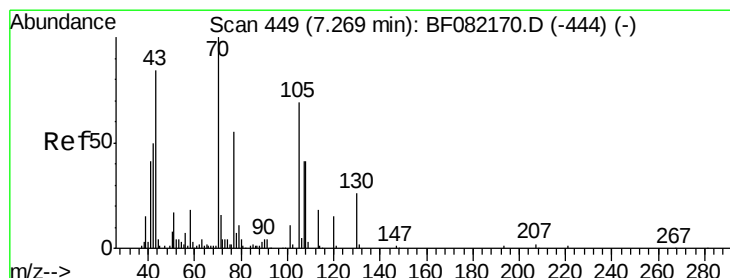
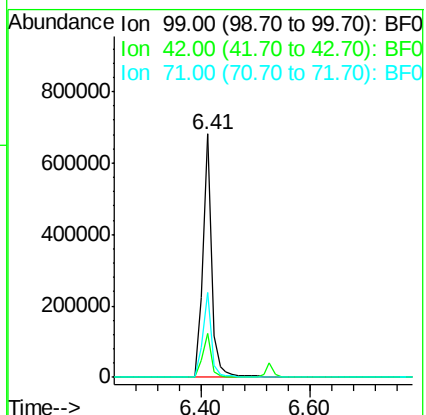
Tgt Ion: 99 Resp: 765492

Ion Ratio Lower Upper

99 100

42 18.0 13.2 19.8

71 35.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.54 ng

RT: 7.33 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Tgt Ion: 70 Resp: 58540

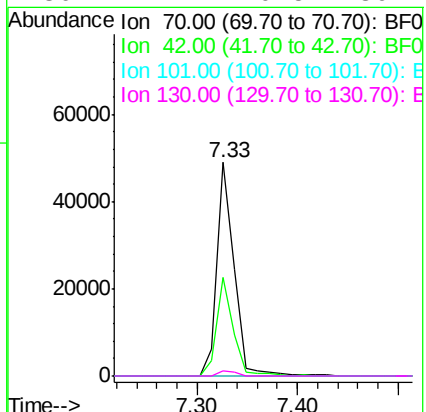
Ion Ratio Lower Upper

70 100

42 46.2 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#

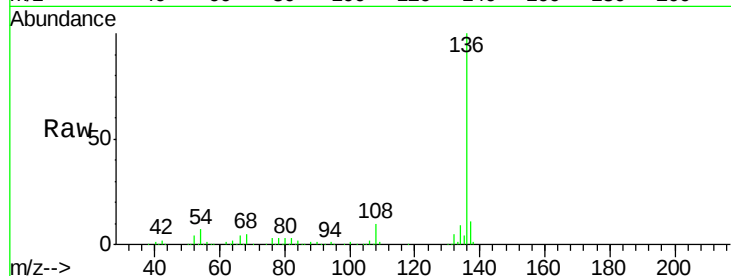




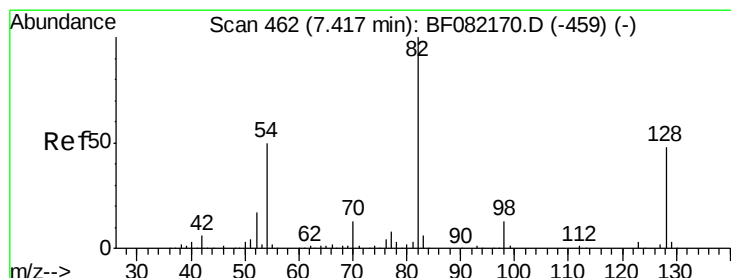
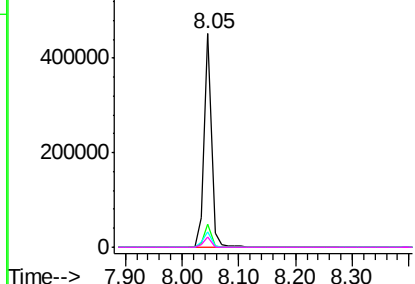
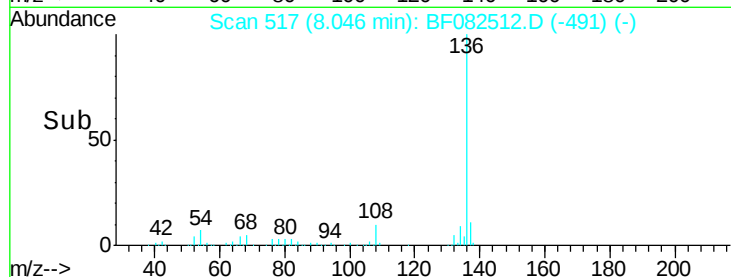
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

Tgt Ion:	136	Resp:	388003
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.1	7.5	11.3#
68	4.7	4.6	7.0

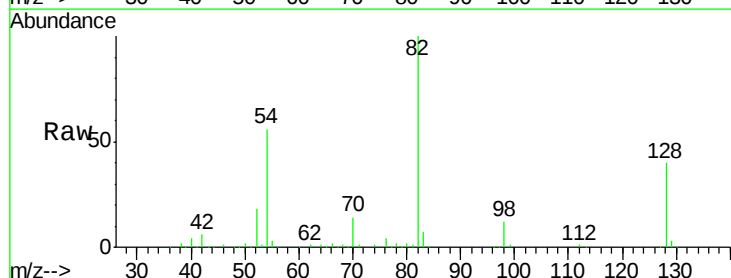


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

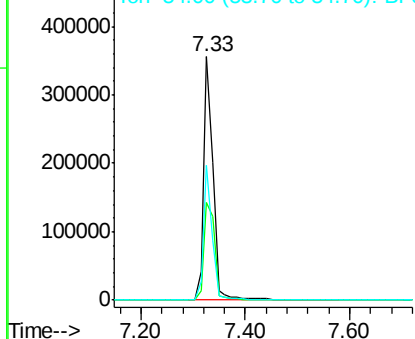
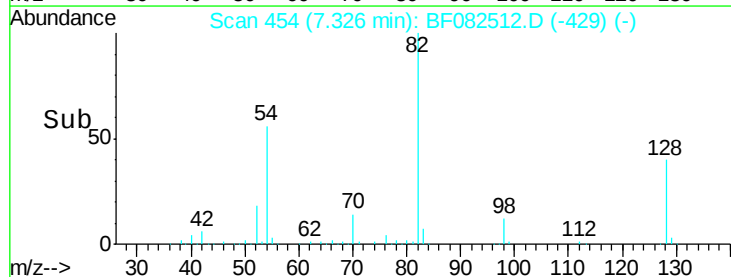


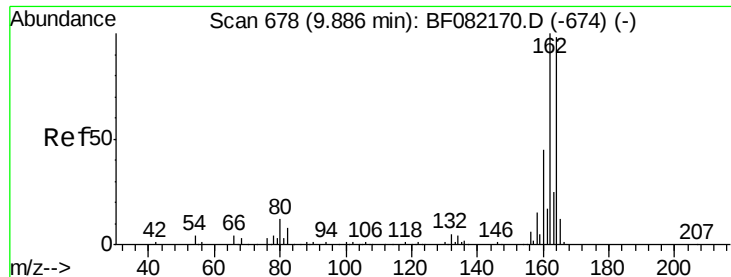
#23
Nitrobenzene-d5
Concen: 77.57 ng
RT: 7.33 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Tgt Ion:	82	Resp:	448202
Ion	Ratio	Lower	Upper
82	100		
128	40.0	38.7	58.1
54	55.5	40.1	60.1



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

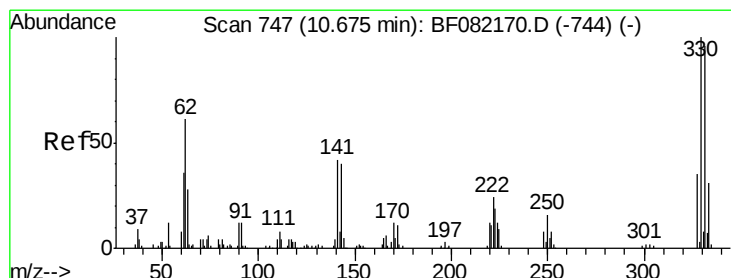
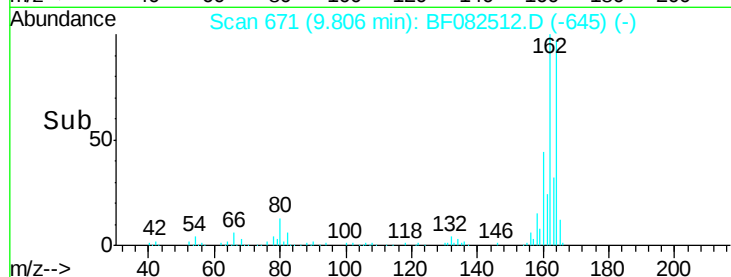
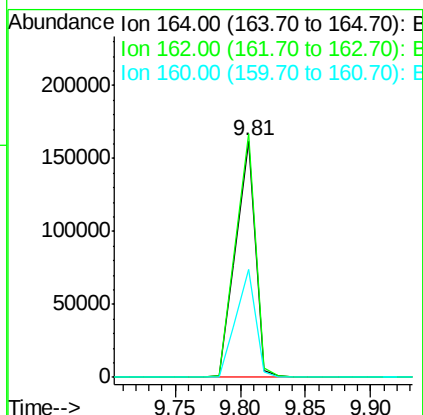
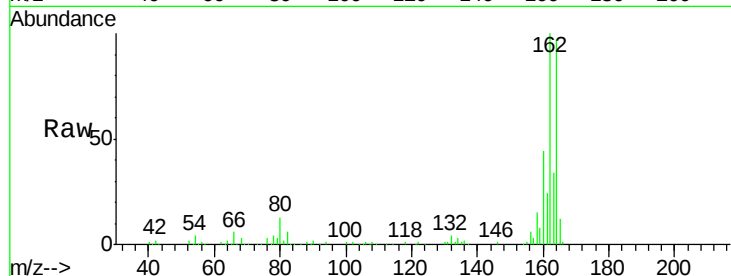




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

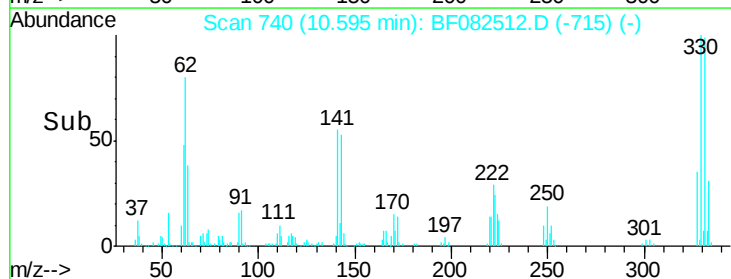
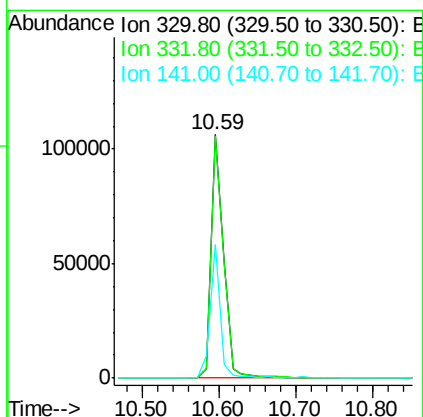
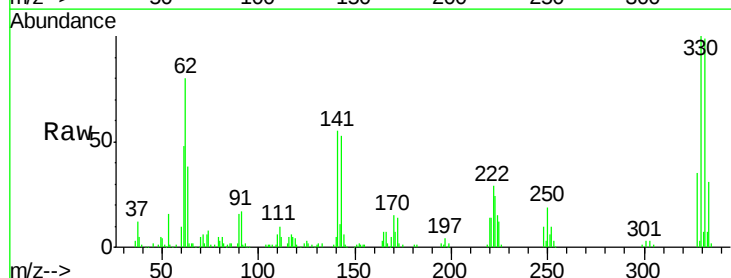
Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

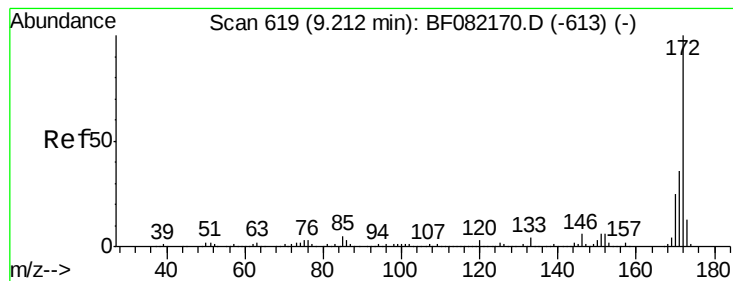
Tgt Ion:164 Resp: 169146
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.6 122.4
 160 45.8 36.4 54.6



#41
 2,4,6-Tribromophenol
 Concen: 74.24 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Tgt Ion:330 Resp: 117768
 Ion Ratio Lower Upper
 330 100
 332 99.1 77.1 115.7
 141 45.5 29.8 44.8#





#44

2-Fluorobiphenyl

Concen: 88.85 ng

RT: 9.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

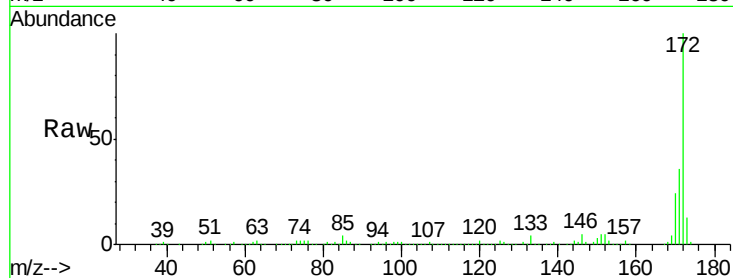
Tgt Ion:172 Resp: 906276

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

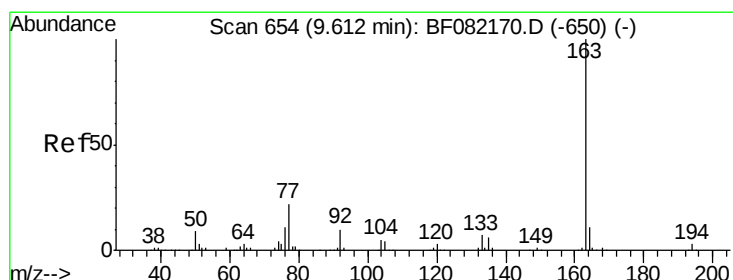
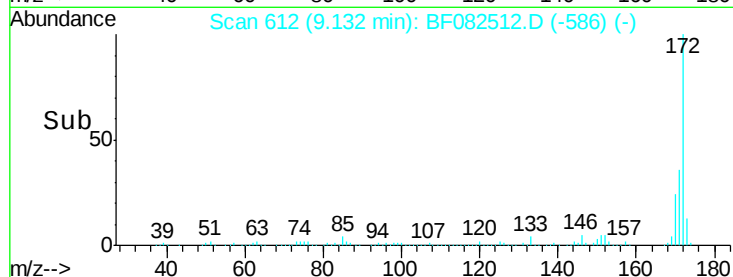
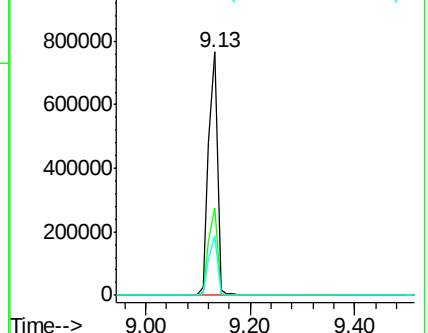
170 24.2 19.7 29.5



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: 15.08 ng

RT: 9.52 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

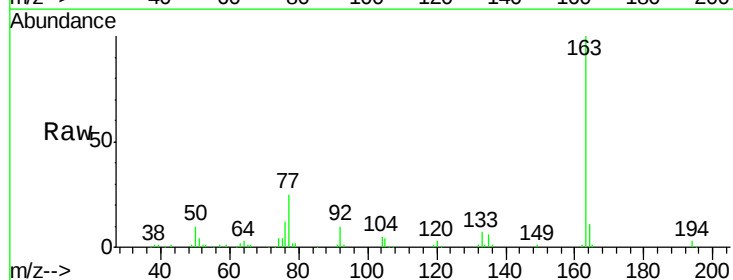
Tgt Ion:163 Resp: 179595

Ion Ratio Lower Upper

163 100

194 2.8 2.6 4.0

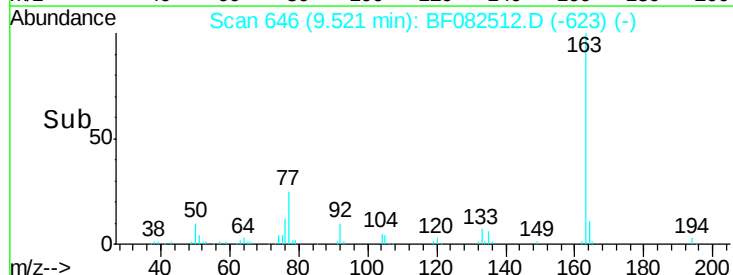
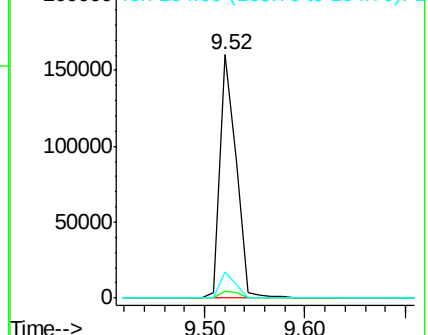
164 10.7 8.5 12.7

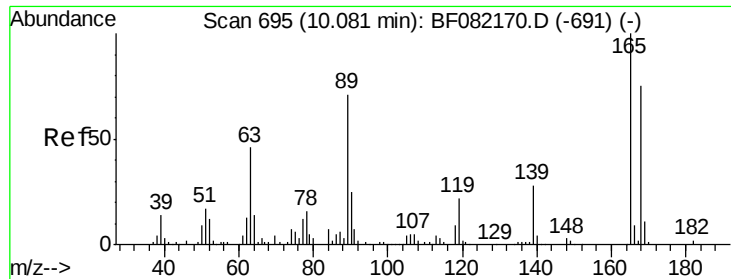


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

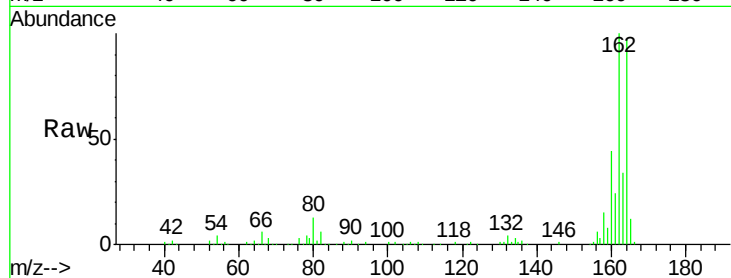




#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.81 min Scan# 671
 Delta R.T. -0.22 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

Tgt Ion:	165	Resp:	20997
Ion	Ratio	Lower	Upper
165	100		
63	1.6	38.6	58.0#
89	1.7	57.0	85.6#
182	0.0	1.8	2.6#

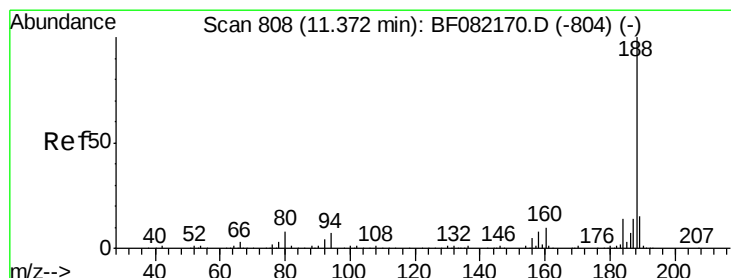
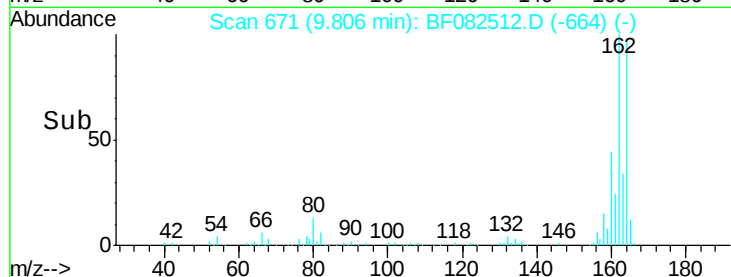
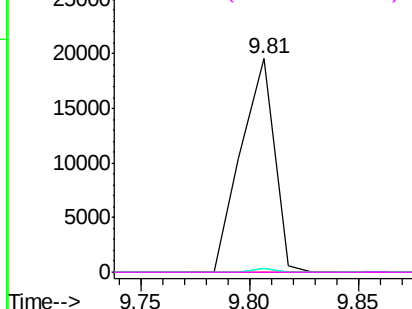


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

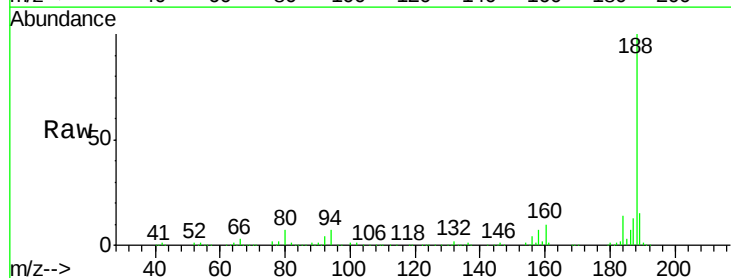
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

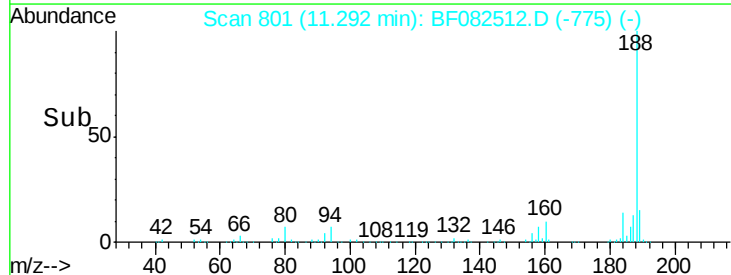
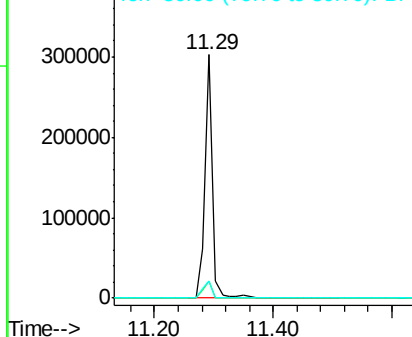
Tgt Ion:	188	Resp:	277827
Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.2	6.4	9.6

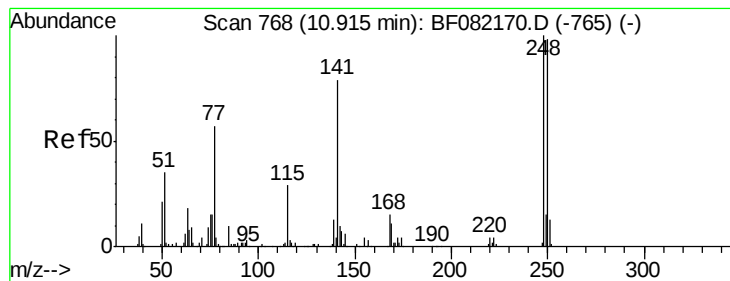


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.46 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.25 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

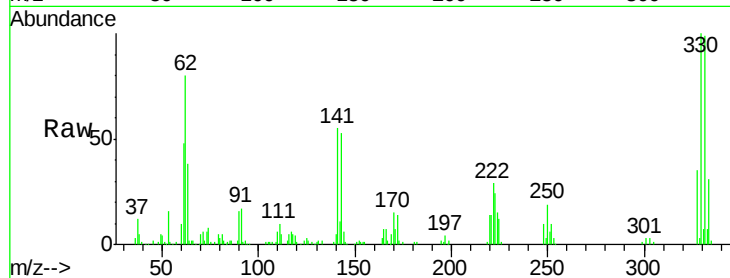
Tgt Ion:248 Resp: 9626

Ion Ratio Lower Upper

248 100

250 185.6 78.6 117.8#

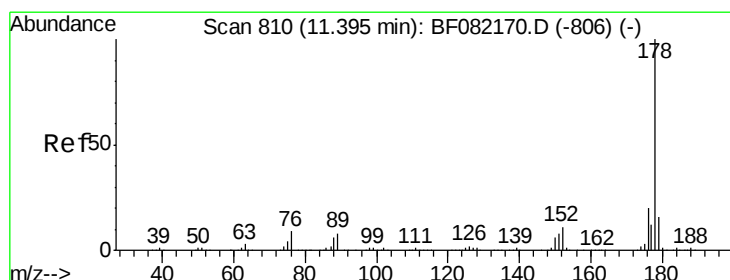
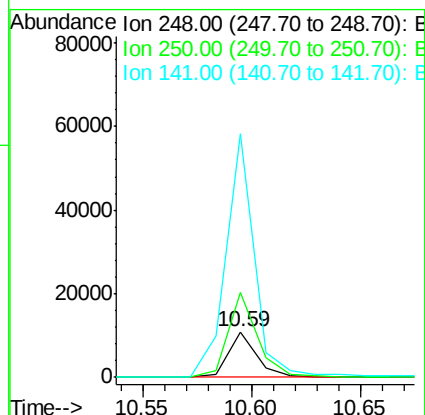
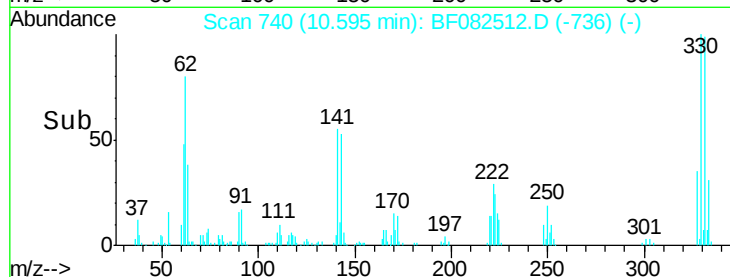
141 535.5 63.3 94.9#



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: 4.31 ng

RT: 11.31 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

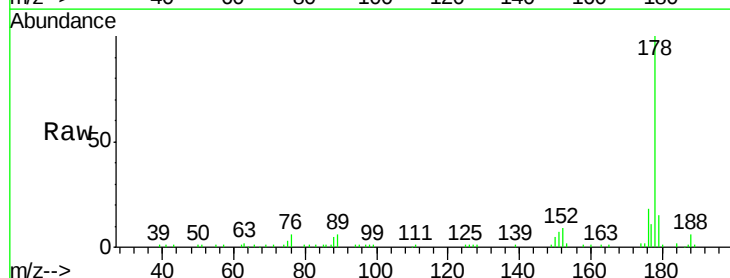
Tgt Ion:178 Resp: 58631

Ion Ratio Lower Upper

178 100

176 18.0 16.0 24.0

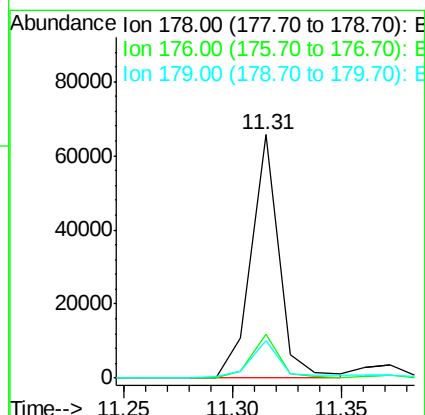
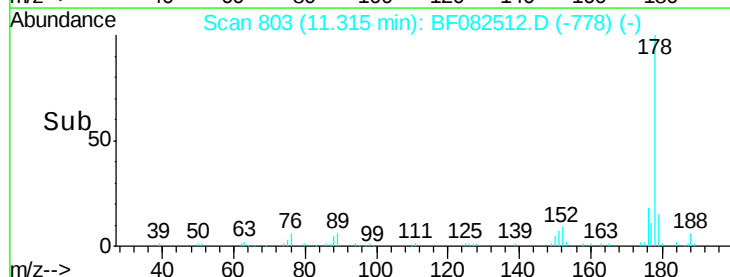
179 15.4 12.6 19.0

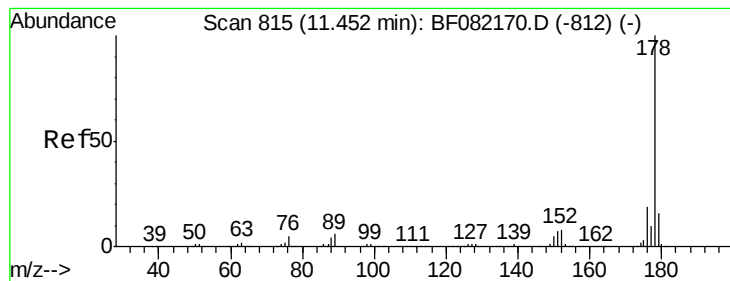


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.18 ng

RT: 11.31 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

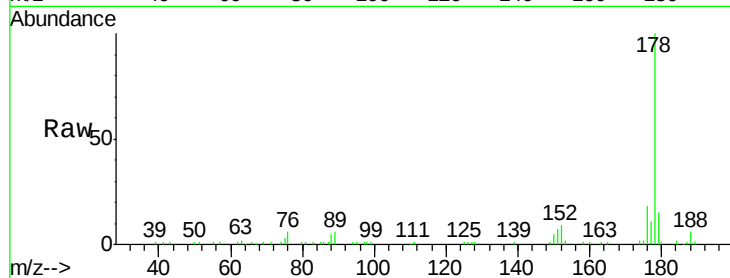
Tgt Ion:178 Resp: 58631

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

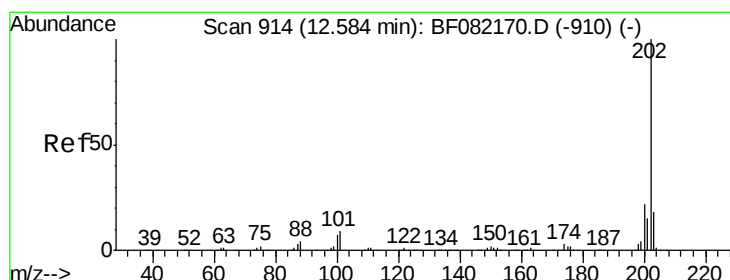
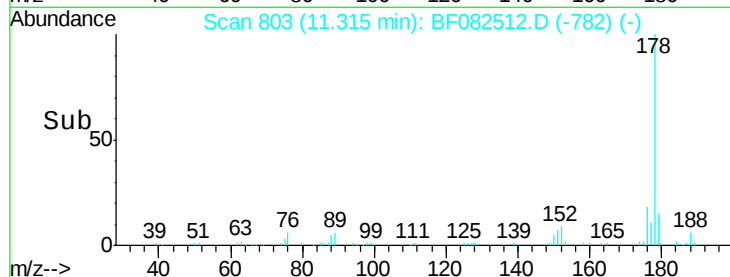
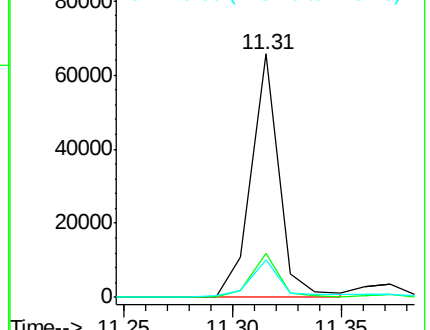
179 15.4 12.5 18.7



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: 4.69 ng

RT: 12.50 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

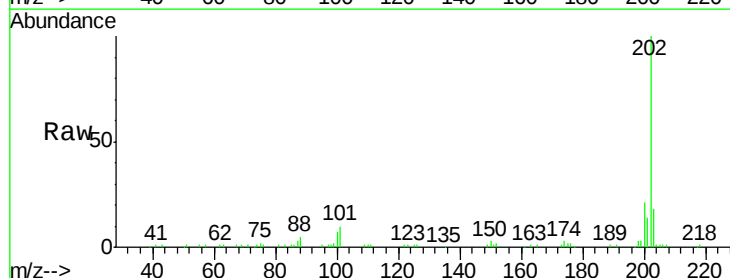
Tgt Ion:202 Resp: 68580

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.3

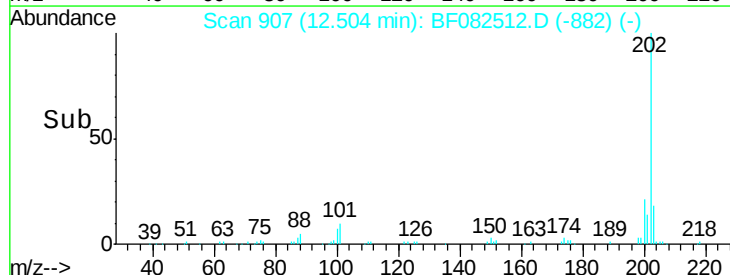
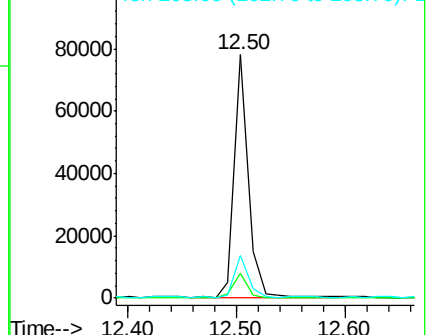
203 17.6 0.0 37.8

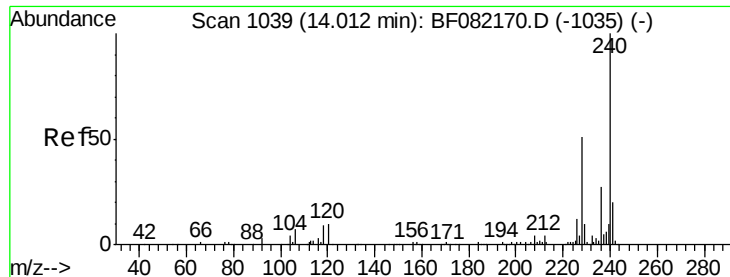


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 1035

Delta R.T. -0.07 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

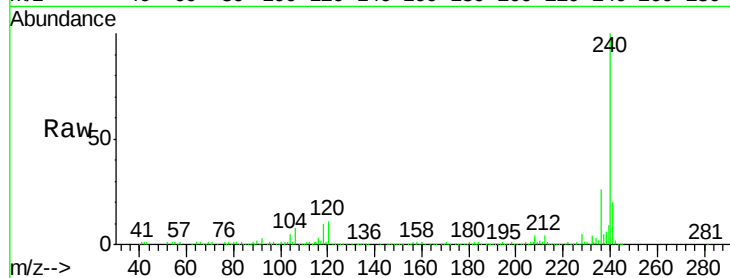
Tgt Ion:240 Resp: 249748

Ion Ratio Lower Upper

240 100

120 11.3 8.1 12.1

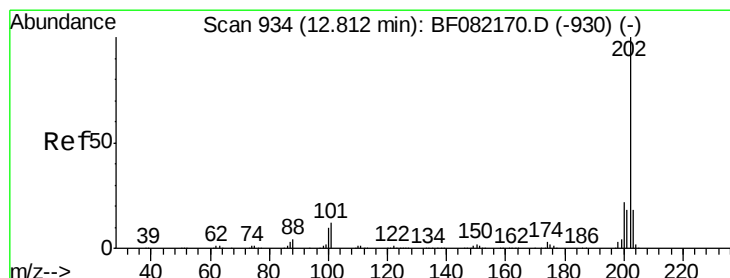
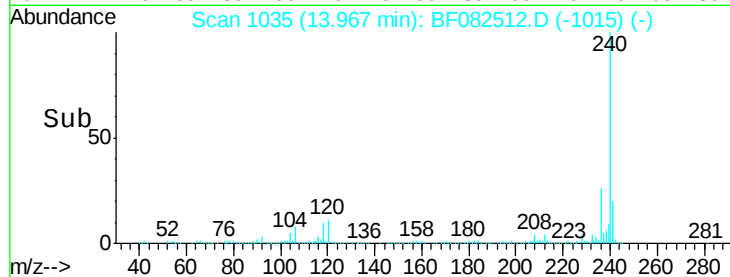
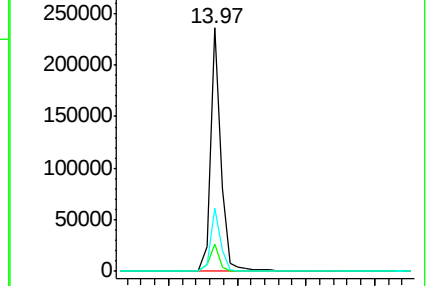
236 25.7 21.3 31.9



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: 4.64 ng

RT: 12.73 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

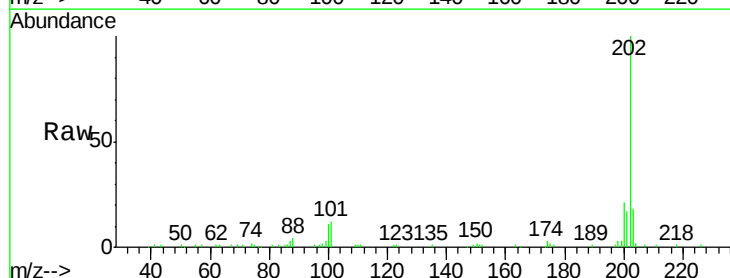
Tgt Ion:202 Resp: 68759

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

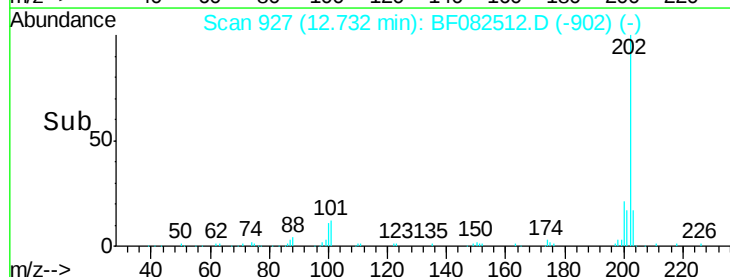
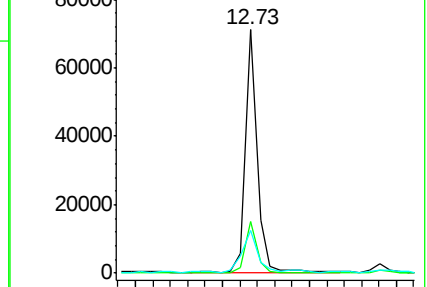
203 17.7 14.5 21.7

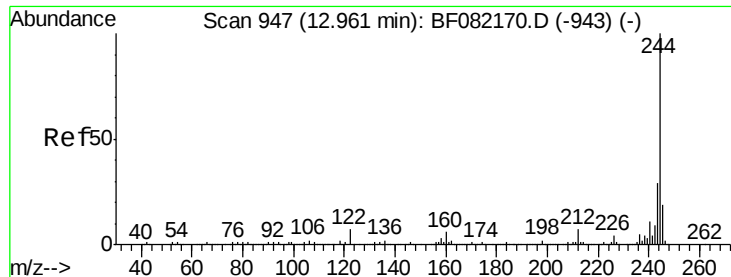


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

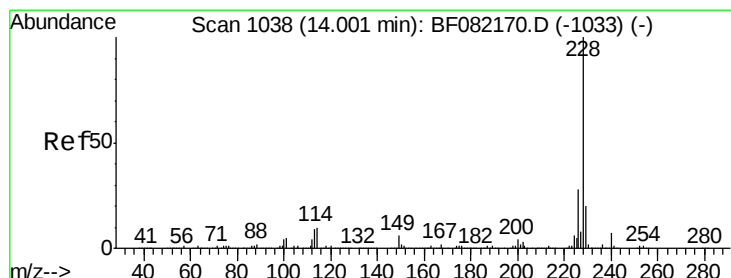
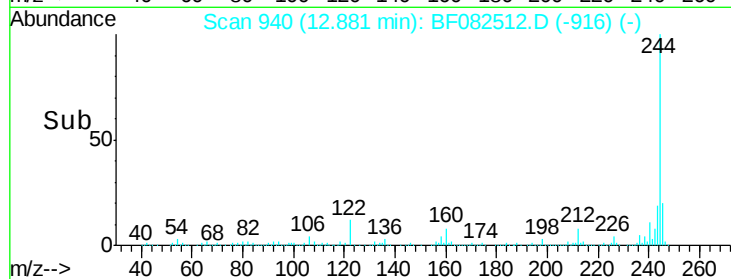
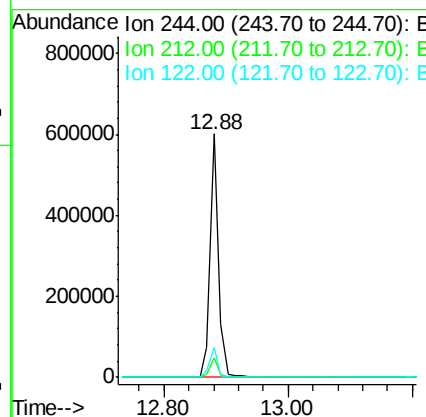
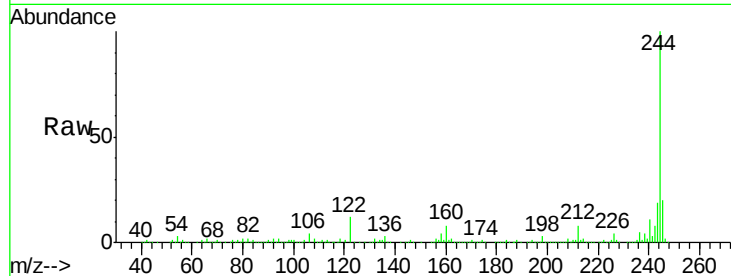




#78
 Terphenyl-d14
 Concen: 60.63 ng
 RT: 12.88 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

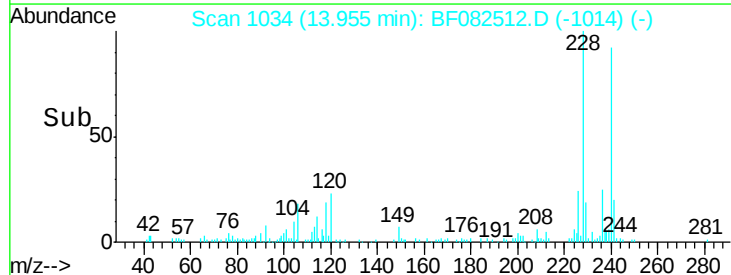
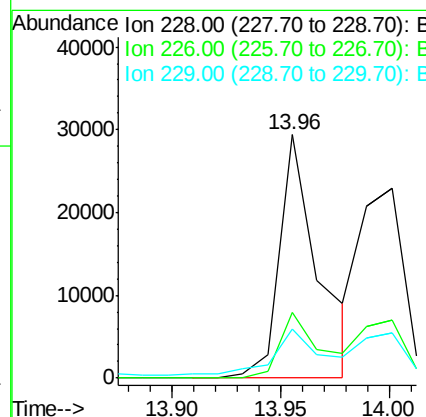
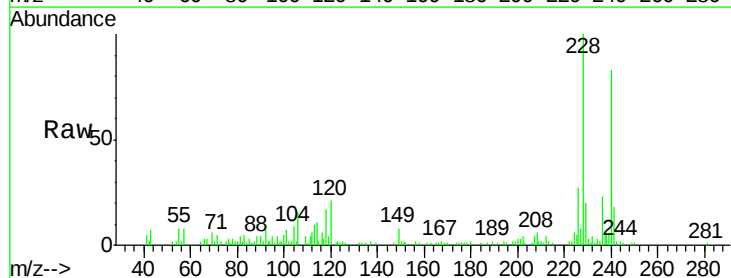
Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

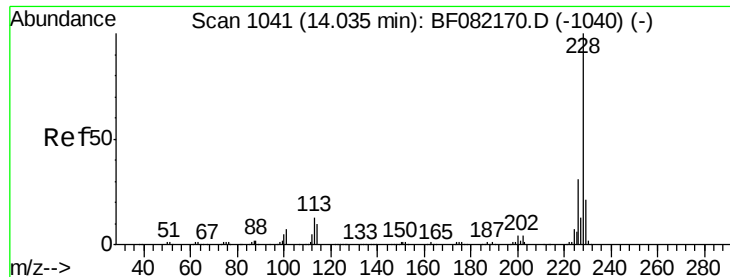
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	12.0	5.9	8.9#



#80
 Benzo(a)anthracene
 Concen: 2.82 ng
 RT: 13.96 min Scan# 1034
 Delta R.T. -0.07 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.3	33.5
229	20.4	16.2	24.2





#82

Chrysene

Concen: 2.49 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

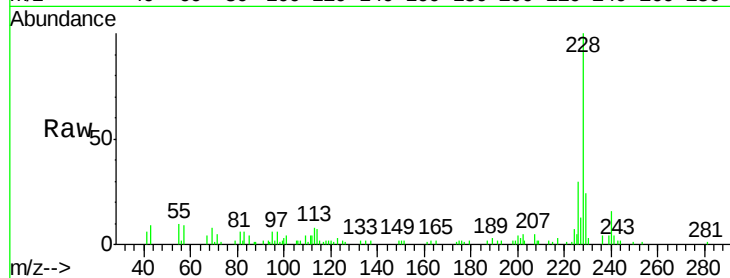
Tgt Ion:228 Resp: 34062

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

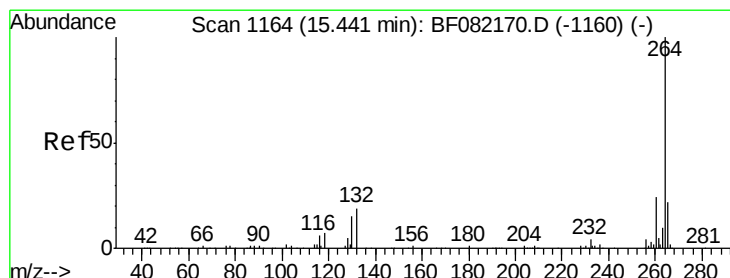
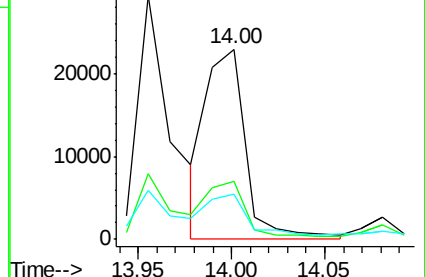
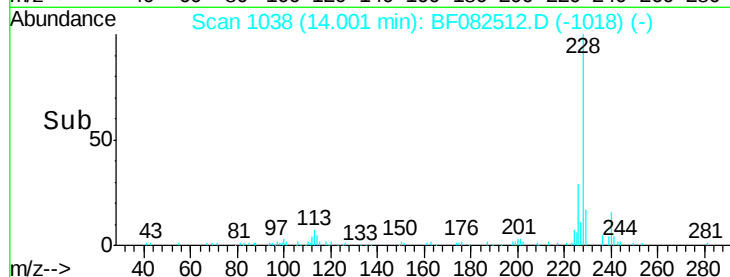
229 24.1 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1167

Delta R.T. -0.15 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

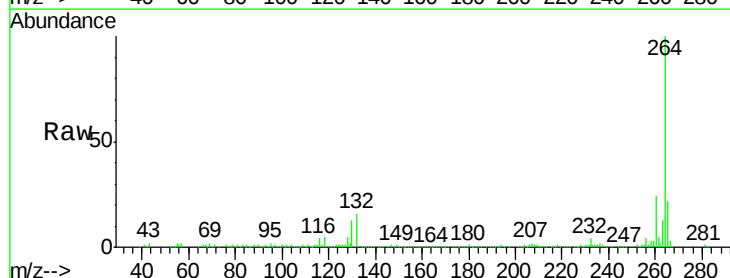
Tgt Ion:264 Resp: 203837

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

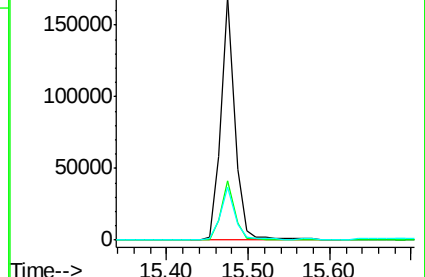
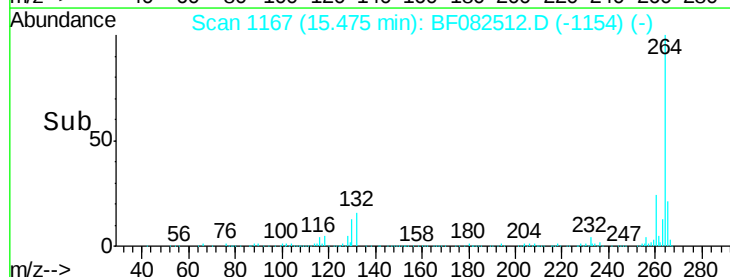
265 21.7 17.3 25.9

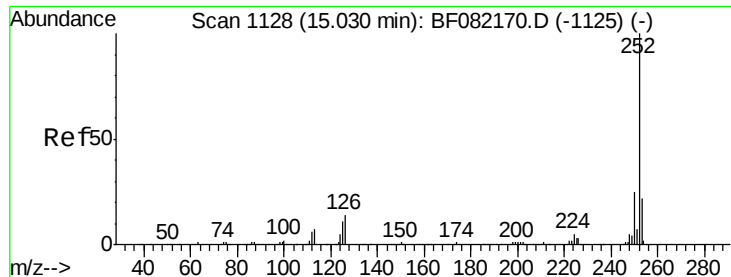


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.01 ng

RT: 15.06 min Scan# 1131

Delta R.T. -0.14 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

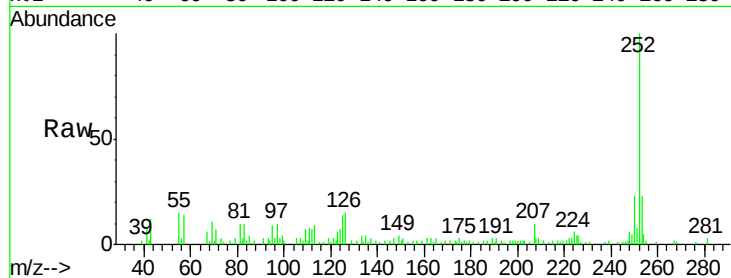
Tgt Ion:252 Resp: 49685

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

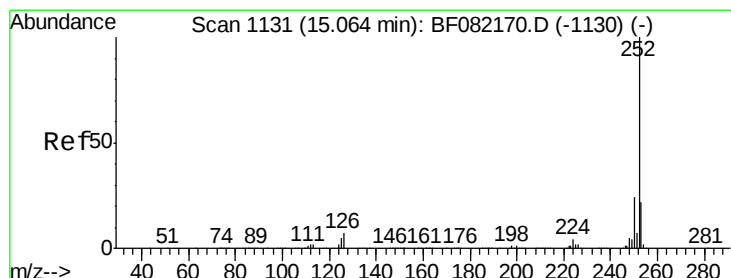
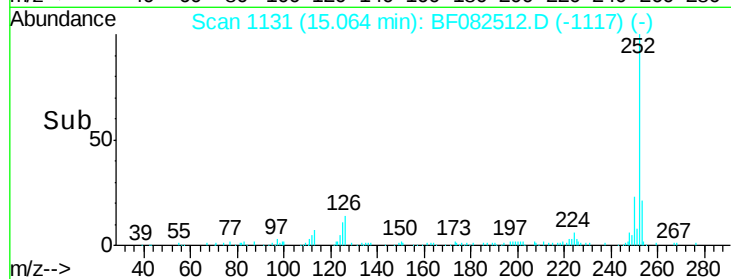
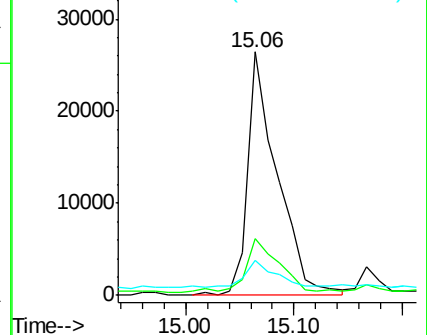
125 14.3 8.6 12.8#



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



#88

Benzo(k)fluoranthene

Concen: 4.77 ng

RT: 15.06 min Scan# 1131

Delta R.T. -0.17 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

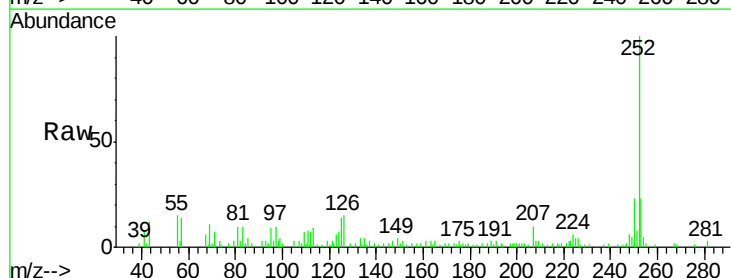
Tgt Ion:252 Resp: 49685

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

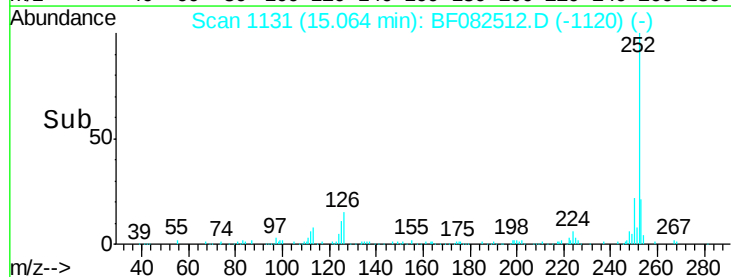
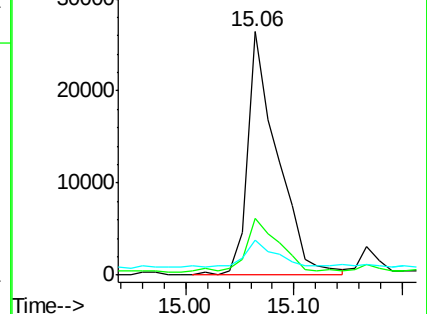
125 14.3 6.7 10.1#

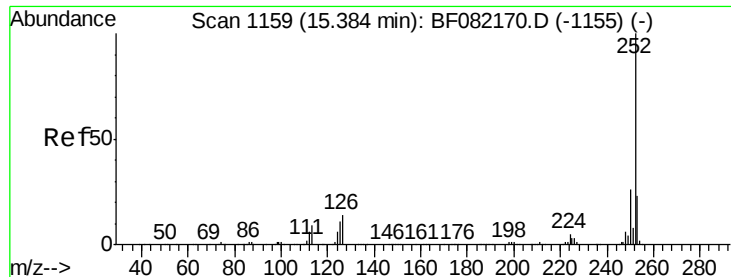


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.06 ng

RT: 15.42 min Scan# 1162

Delta R.T. -0.15 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

Tgt Ion:252 Resp: 21977

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 13.6 8.9 13.3#

