

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082440.D
 Acq On : 22 Oct 2015 9:33
 Operator : UM/IZ
 Sample : G4117-11
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Oct 22 13:47:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

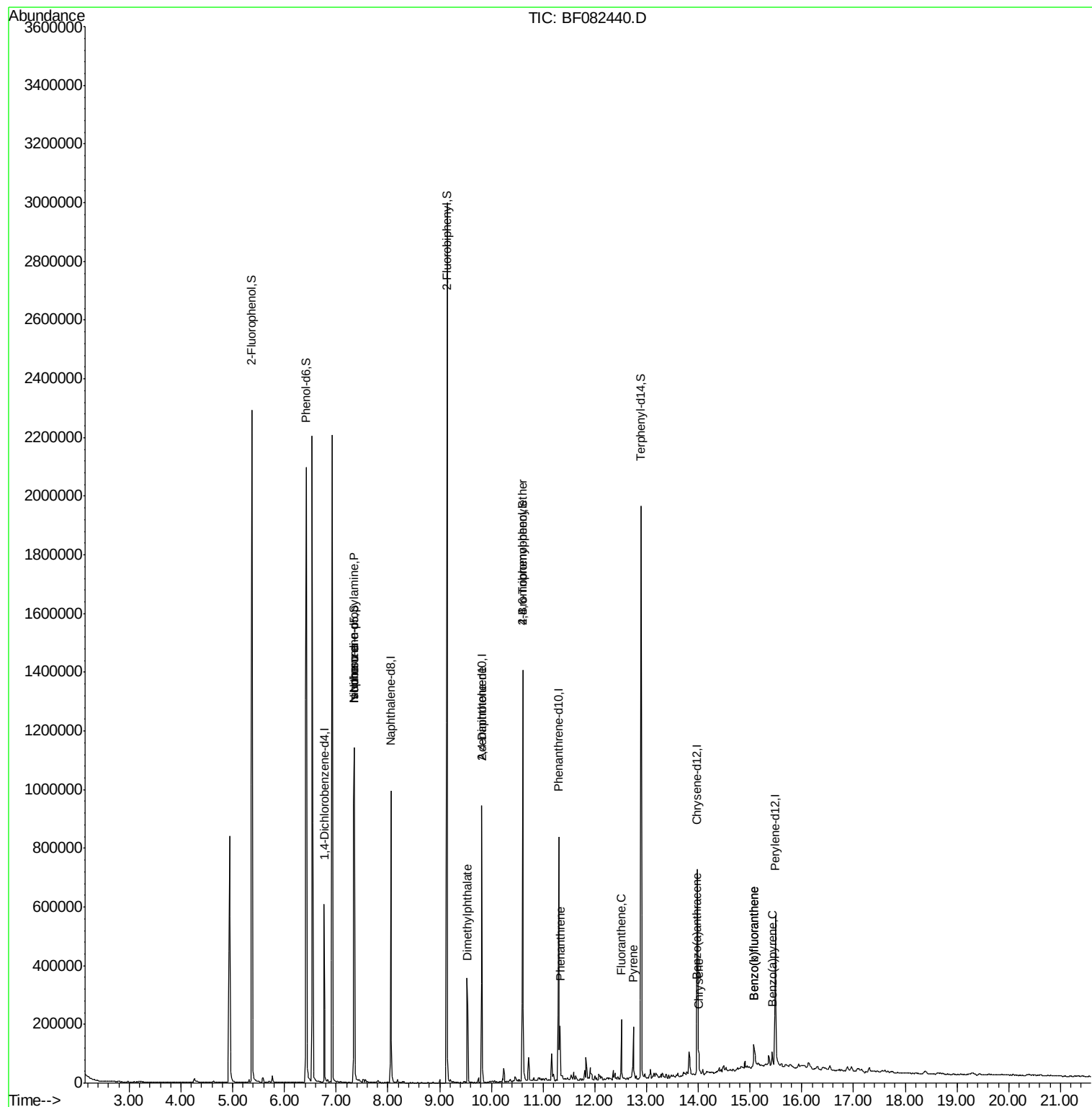
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	107967	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	436472	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	204831	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	338849	20.00	ng	0.00
75) Chrysene-d12	13.98	240	269280	20.00	ng	-0.03
86) Perylene-d12	15.49	264	245766	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	703001	131.41	ng	0.01
7) Phenol-d6	6.42	99	948368	136.23	ng	0.00
23) Nitrobenzene-d5	7.35	82	562792	86.59	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	146638	76.34	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1064199	86.16	ng	0.00
78) Terphenyl-d14	12.89	244	656851	64.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	72411	14.81	ng	# 74
25) Isophorone	7.35	82	530093	40.41	ng	# 66
49) Dimethylphthalate	9.54	163	211867	14.69	ng	# 97
55) 4-Nitrophenol	10.02	139	422	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.82	165	25789	6.78	ng	# 22
66) 4-Bromophenyl-phenylether	10.61	248	12117	3.57	ng	# 1
70) Phenanthrene	11.33	178	71790	4.32	ng	96
74) Fluoranthene	12.51	202	85032	4.77	ng	99
77) Pyrene	12.74	202	78033	4.88	ng	98
80) Benzo(a)anthracene	13.97	228	37945	2.71	ng	97
82) Chrysene	14.01	228	35288	2.39	ng	97
87) Benzo(b)fluoranthene	15.08	252	55541	3.71	ng	# 96
88) Benzo(k)fluoranthene	15.08	252	55541	4.42	ng	# 93
89) Benzo(a)pyrene	15.43	252	26389	2.05	ng	# 95

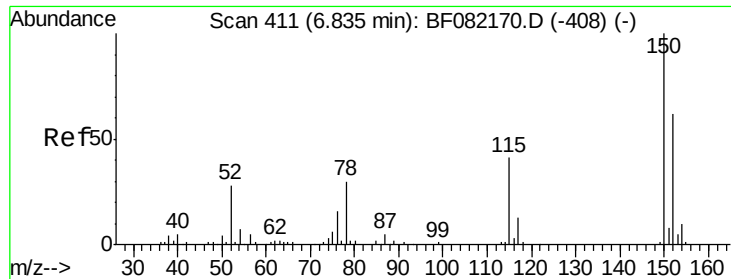
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

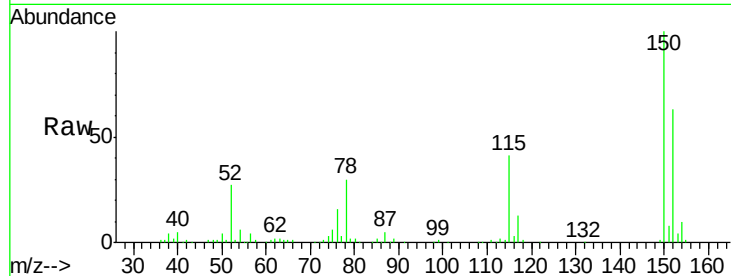
Tot Ion:152 Resp: 107967

Ion Ratio Lower Upper

152 100

150 159.3 129.0 193.4

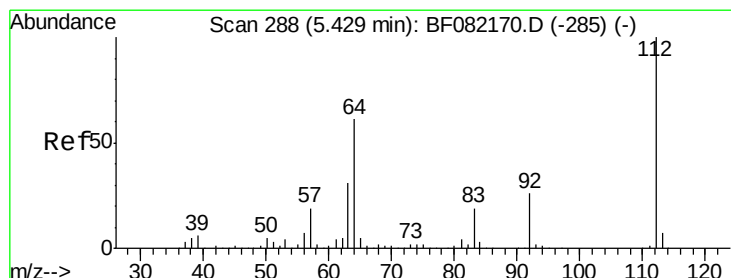
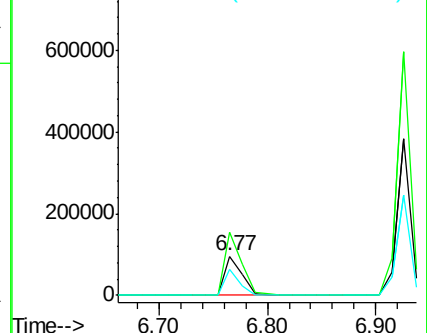
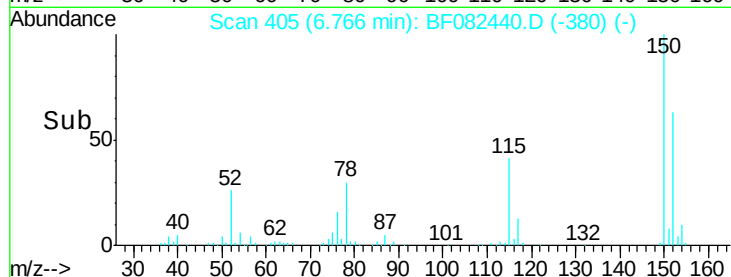
115 64.8 52.1 78.1



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: 131.41 ng

RT: 5.37 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

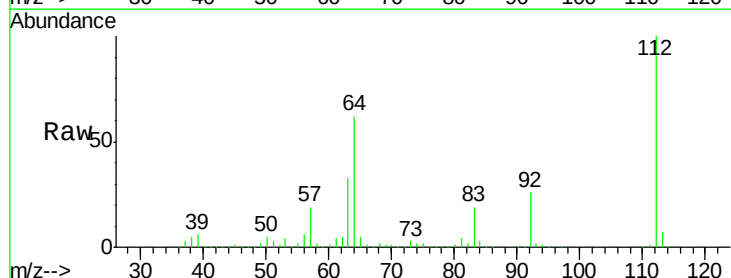
Tgt Ion:112 Resp: 703001

Ion Ratio Lower Upper

112 100

64 61.6 48.6 73.0

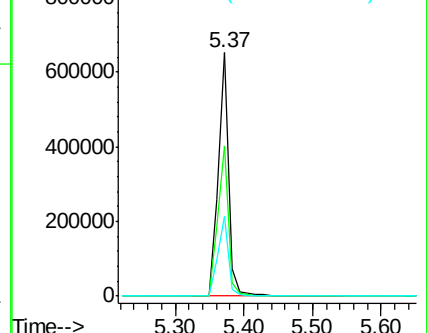
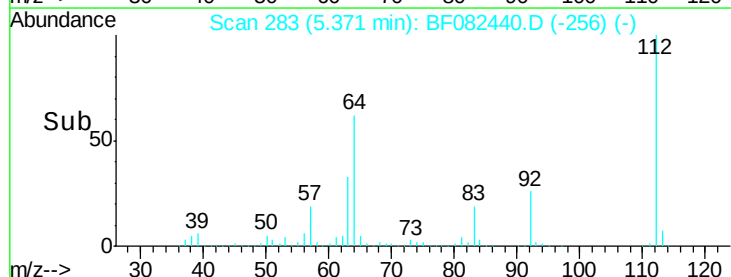
63 32.7 25.1 37.7

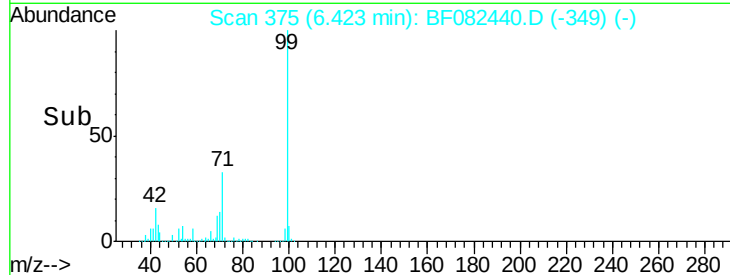
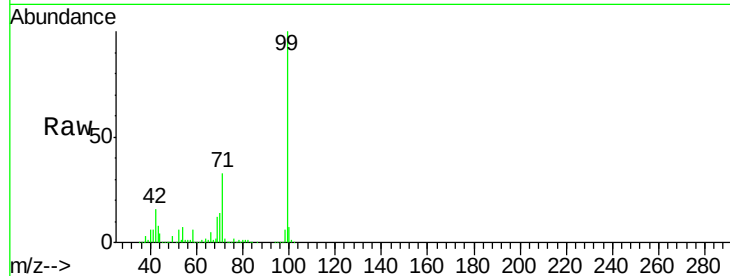
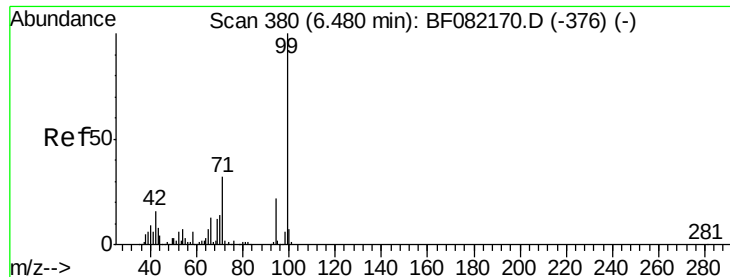


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.23 ng

RT: 6.42 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

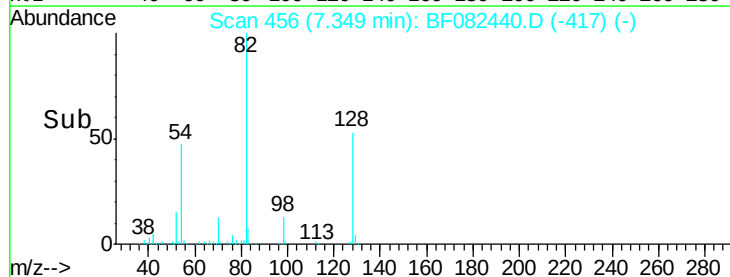
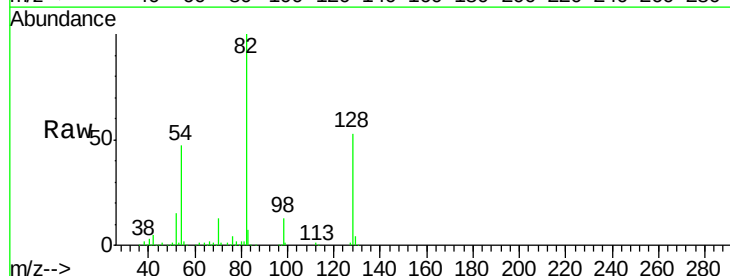
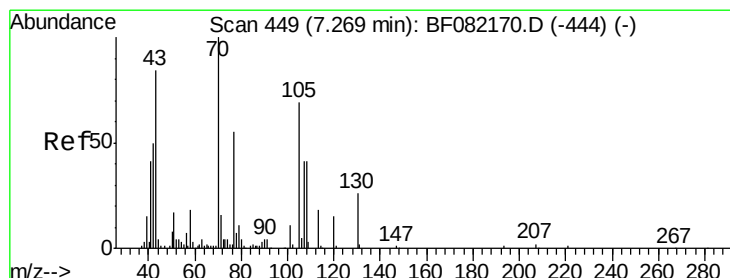
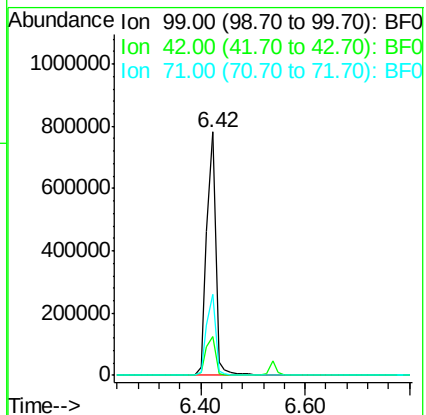
Tot Ion: 99 Resp: 948368

Ion Ratio Lower Upper

99 100

42 16.2 13.2 19.8

71 33.2 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.81 ng

RT: 7.35 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Tgt Ion: 70 Resp: 72411

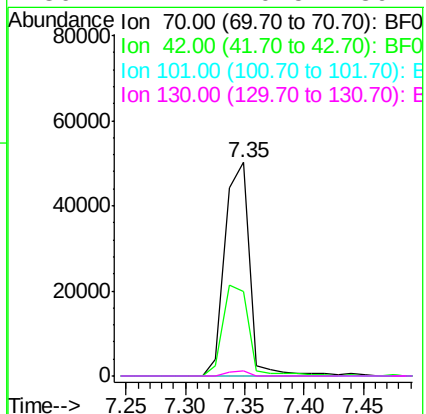
Ion Ratio Lower Upper

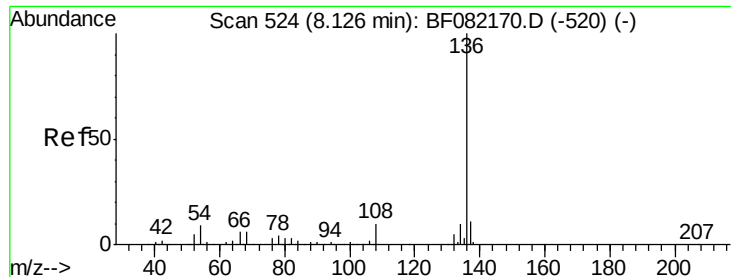
70 100

42 39.3 39.8 59.8#

101 0.0 8.6 13.0#

130 2.7 20.5 30.7#

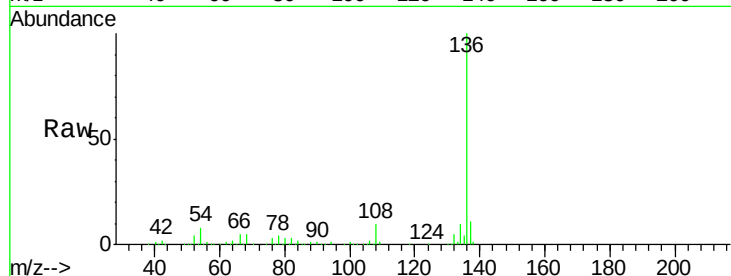




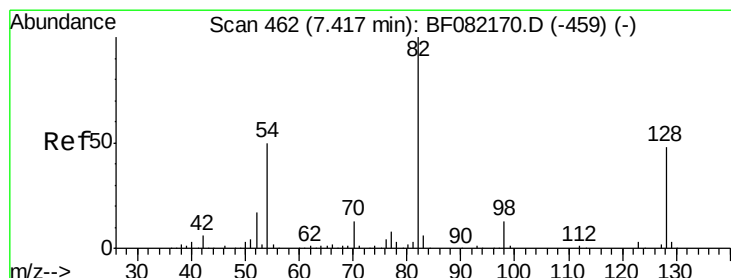
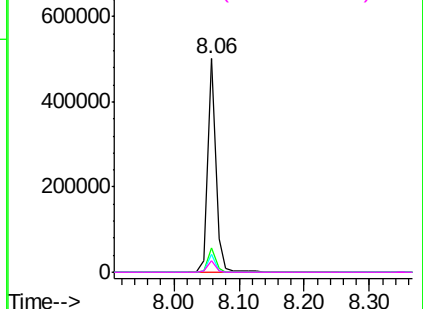
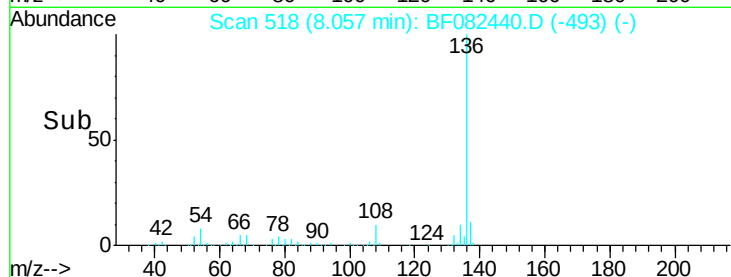
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

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

Tot Ion:136	Resp:	436472
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.6
54	8.3	7.5 11.3
68	5.2	4.6 7.0

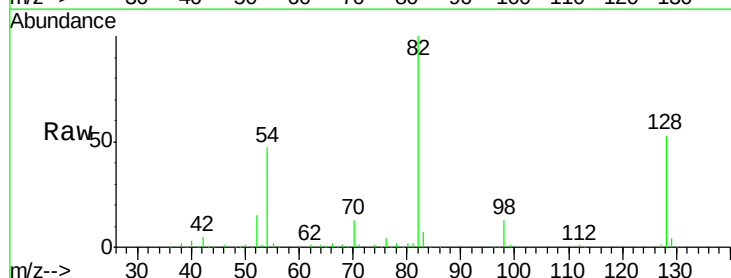


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

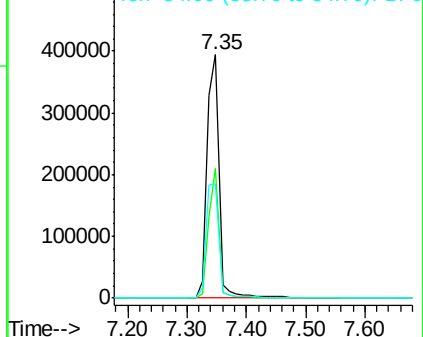
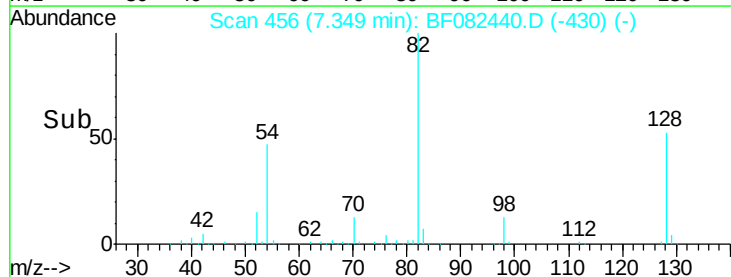


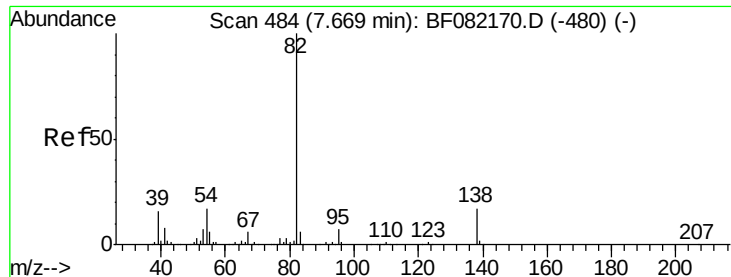
#23
Nitrobenzene-d5
Concen: 86.59 ng
RT: 7.35 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

Tgt Ion: 82	Resp:	562792
Ion Ratio	Lower	Upper
82	100	
128	53.1	38.7 58.1
54	47.2	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





#25

Isophorone

Concen: 40.41 ng

RT: 7.35 min Scan# 456

Delta R.T. -0.26 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

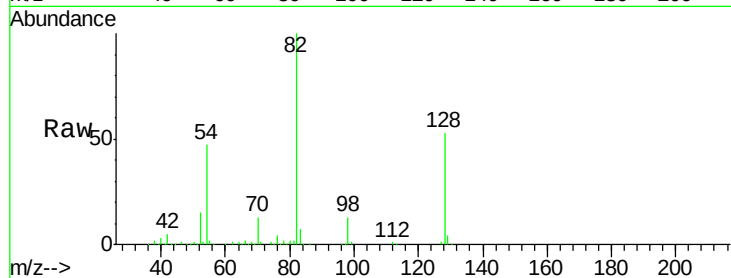
Tot Ion: 82 Resp: 530093

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

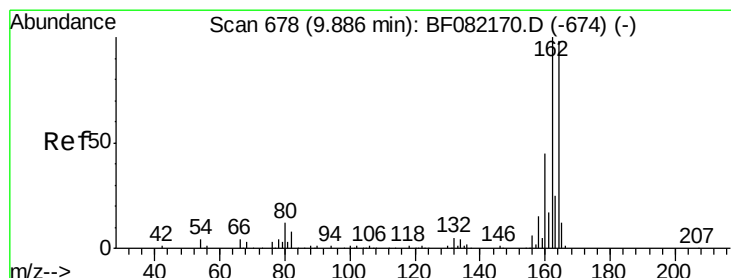
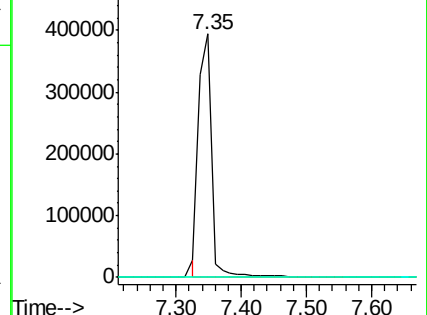
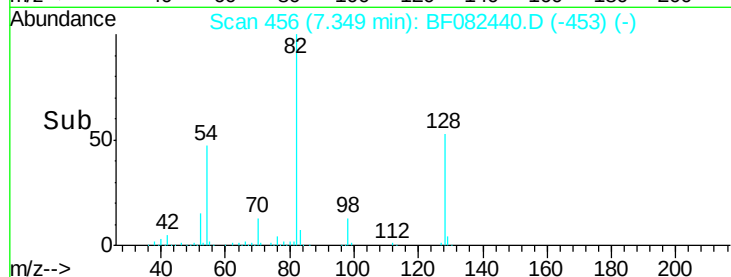
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

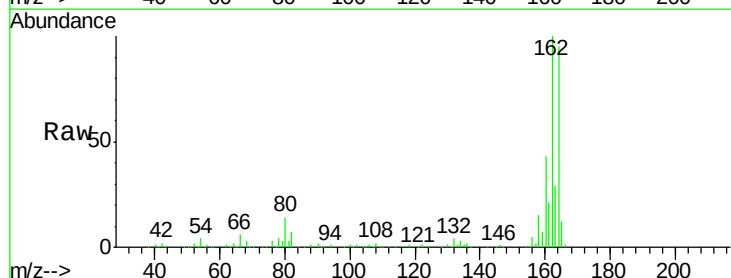
Tgt Ion: 164 Resp: 204831

Ion Ratio Lower Upper

164 100

162 105.0 81.6 122.4

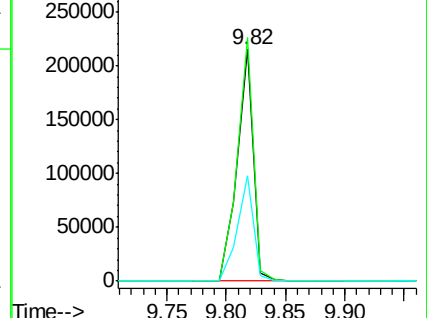
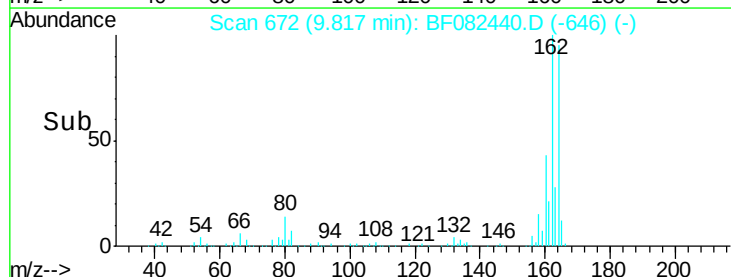
160 45.6 36.4 54.6

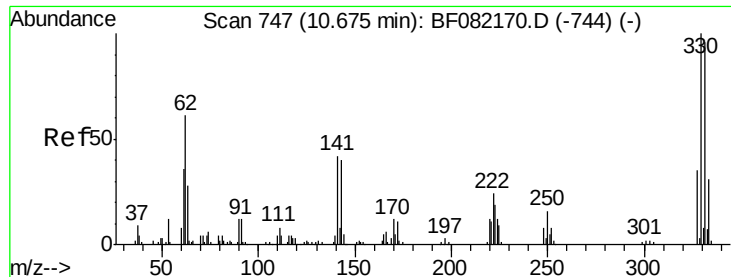


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

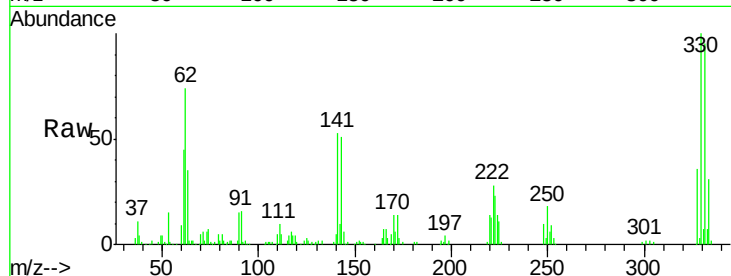




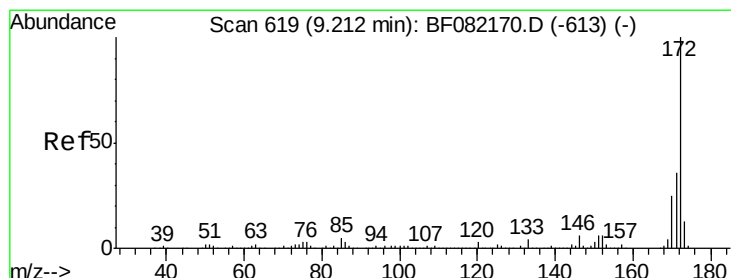
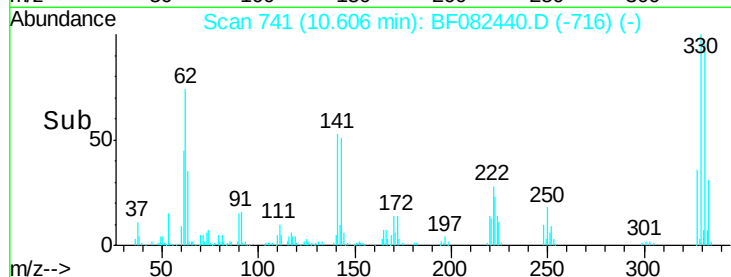
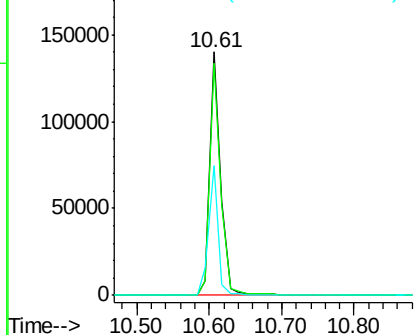
#41
 2,4,6-Tribromophenol
 Concen: 76.34 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082440.D
 Acq: 22 Oct 2015 9:33

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

Tot Ion:330 Resp: 146638
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.1 115.7
 141 47.1 29.8 44.8#

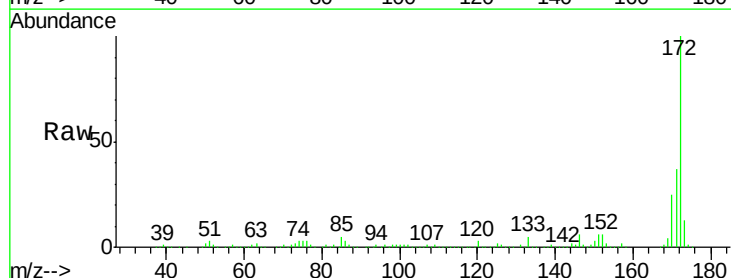


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

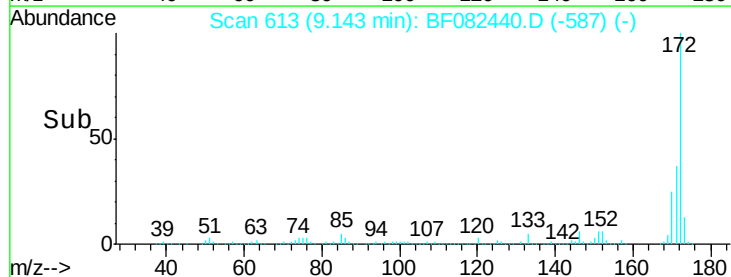
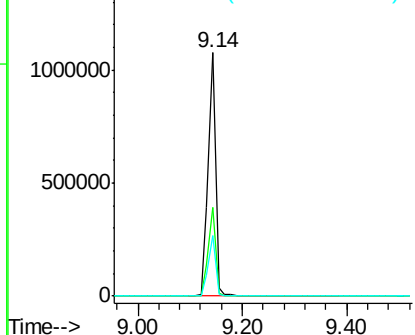


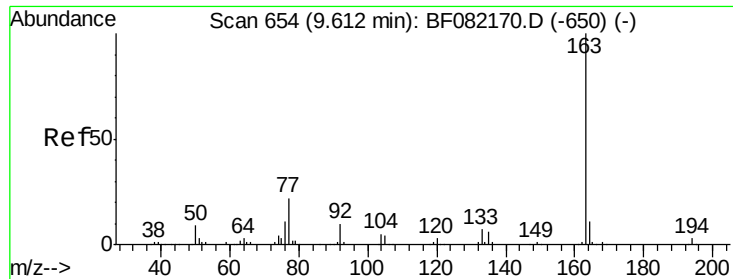
#44
 2-Fluorobiphenyl
 Concen: 86.16 ng
 RT: 9.14 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF082440.D
 Acq: 22 Oct 2015 9:33

Tgt Ion:172 Resp: 1064199
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 42.8
 170 24.8 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: 14.69 ng

RT: 9.54 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

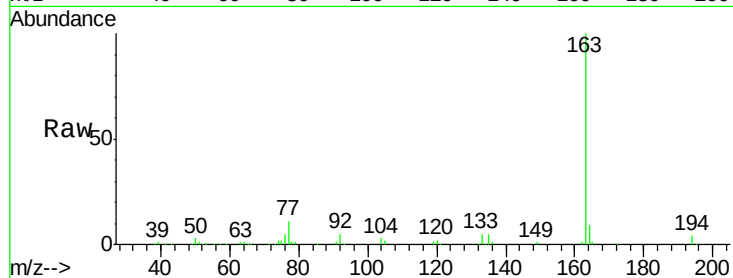
Tot Ion:163 Resp: 211867

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

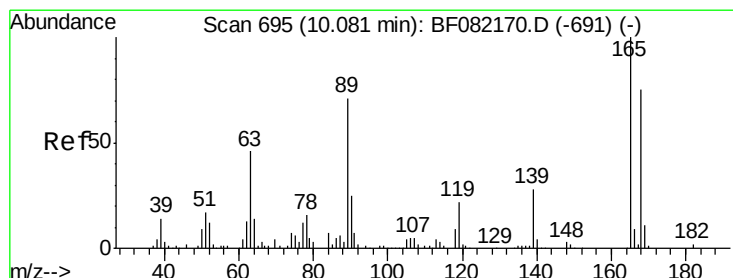
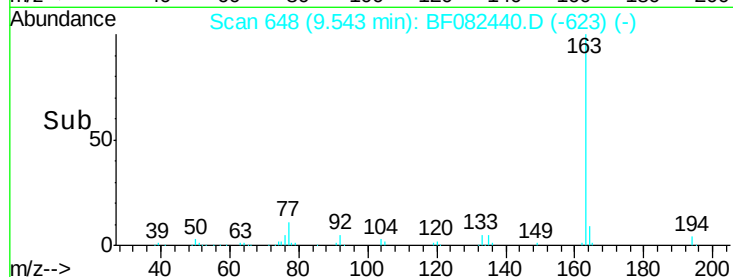
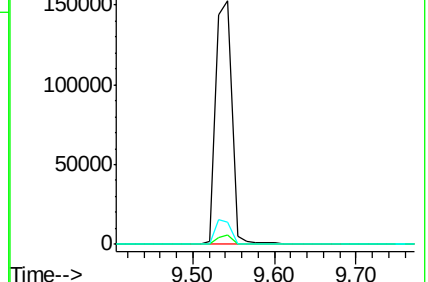
164 9.3 8.5 12.7



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: 6.78 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.21 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Tgt Ion:165 Resp: 25789

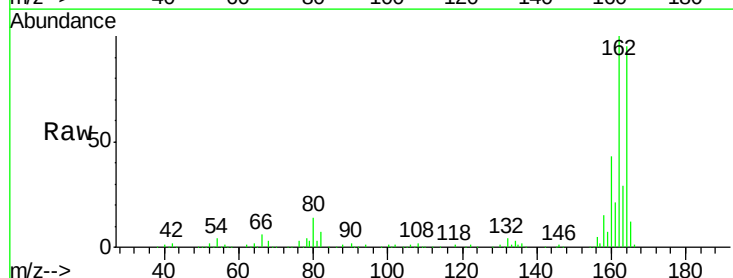
Ion Ratio Lower Upper

165 100

63 1.2 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

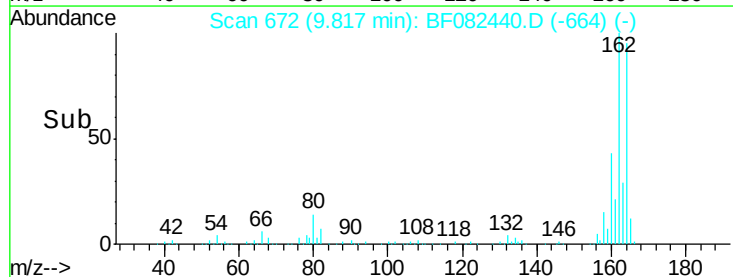
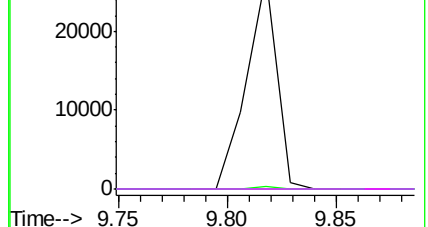


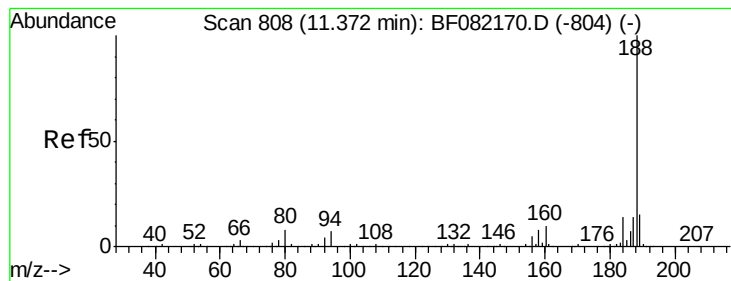
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

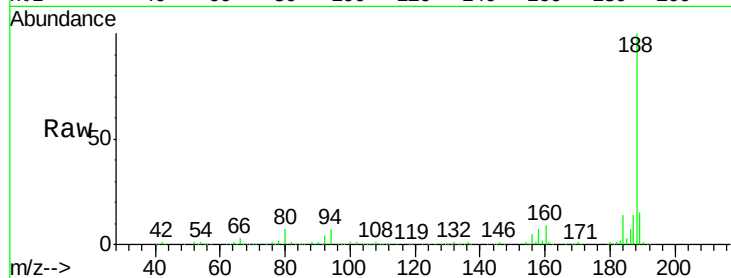
Tot Ion:188 Resp: 338849

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.6

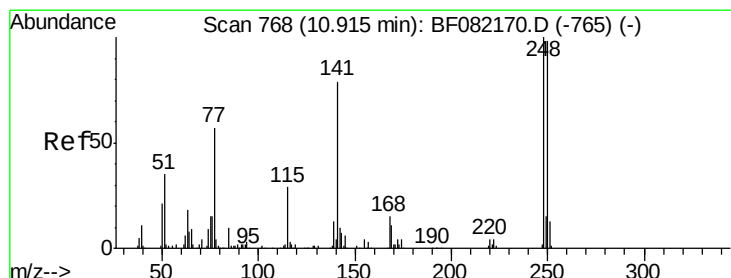
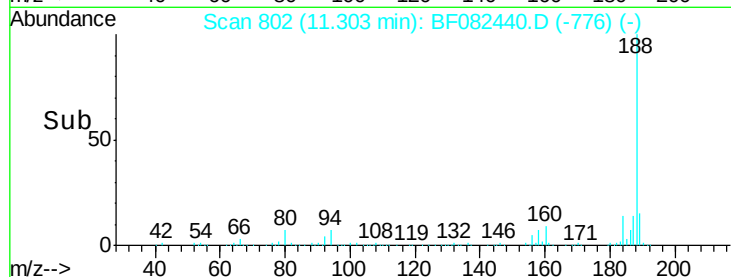
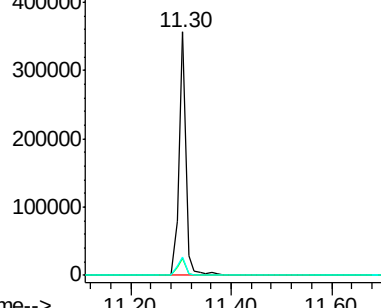
80 7.5 6.4 9.6



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: 3.57 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

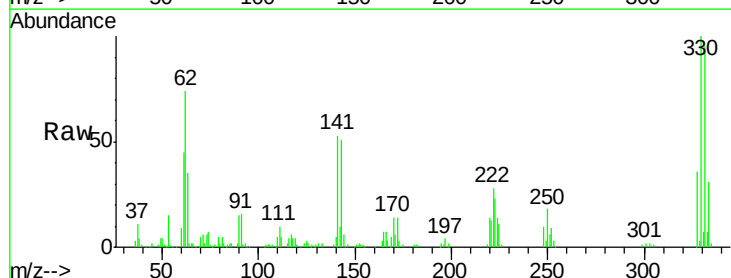
Tgt Ion:248 Resp: 12117

Ion Ratio Lower Upper

248 100

250 188.2 78.6 117.8#

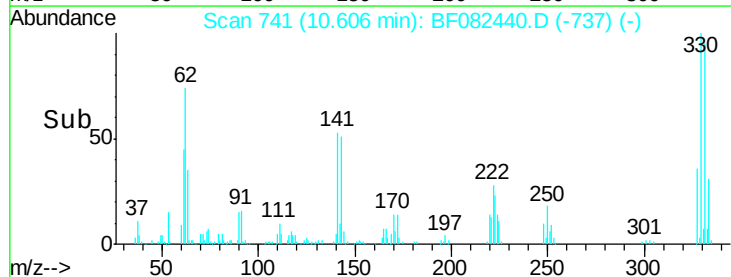
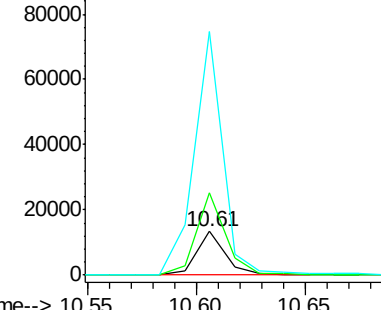
141 555.5 63.3 94.9#

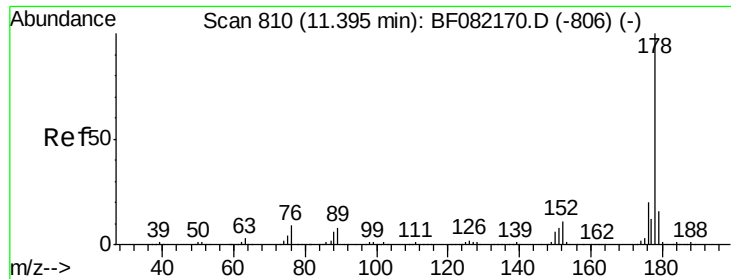


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

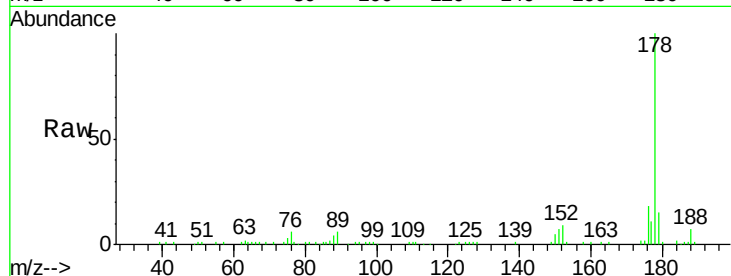




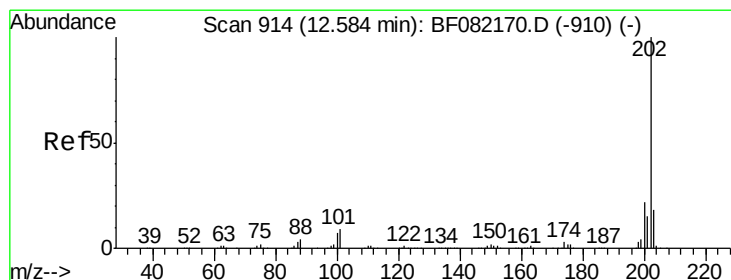
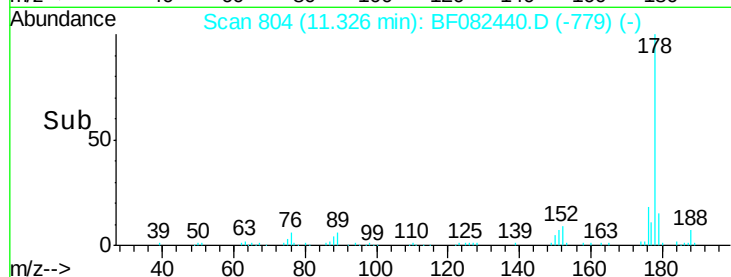
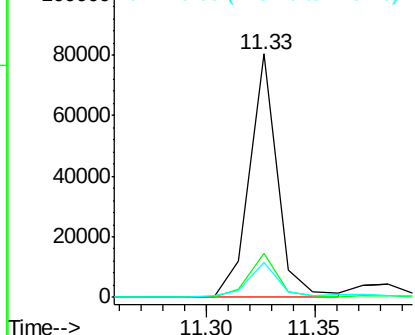
#70
Phenanthrene
Concen: 4.32 ng
RT: 11.33 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

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

Tot Ion:178 Resp: 71790
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 14.6 12.6 19.0

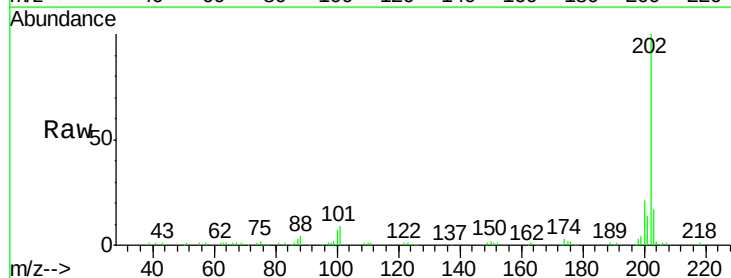


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

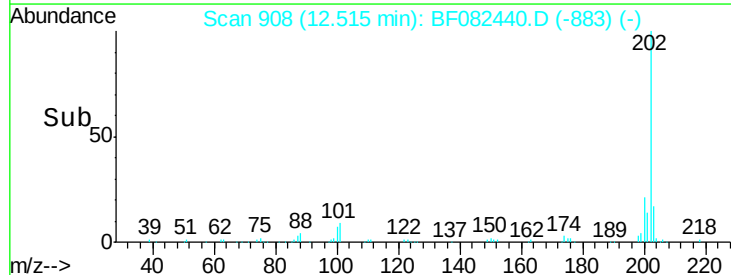
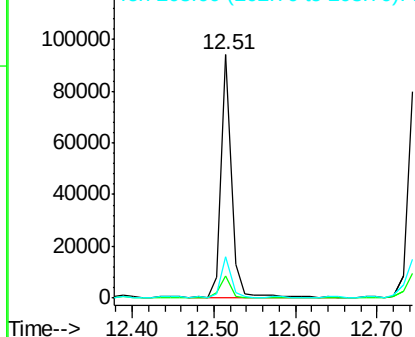


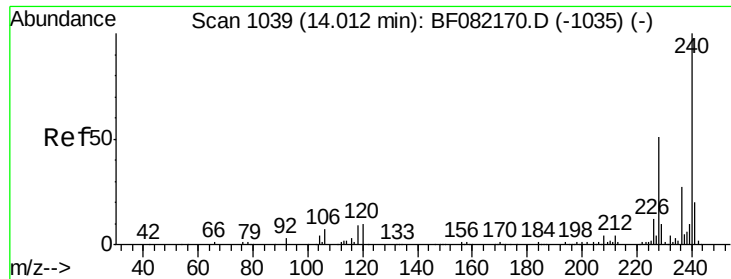
#74
Fluoranthene
Concen: 4.77 ng
RT: 12.51 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

Tgt Ion:202 Resp: 85032
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.3
203 17.1 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: 13.98 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

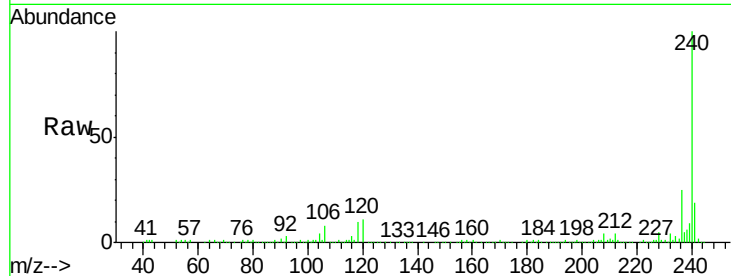
Tot Ion:240 Resp: 269280

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

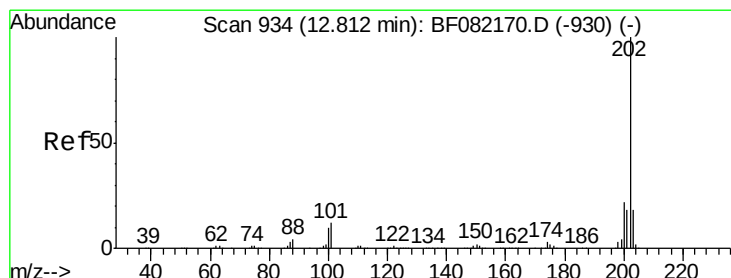
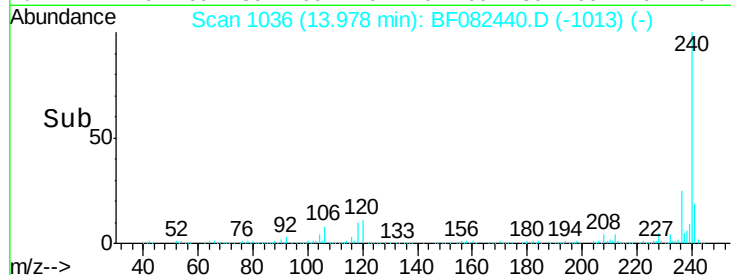
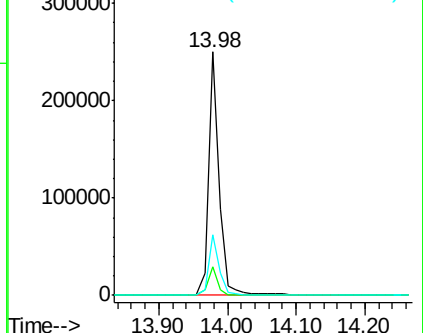
236 25.0 21.3 31.9



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: 4.88 ng

RT: 12.74 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

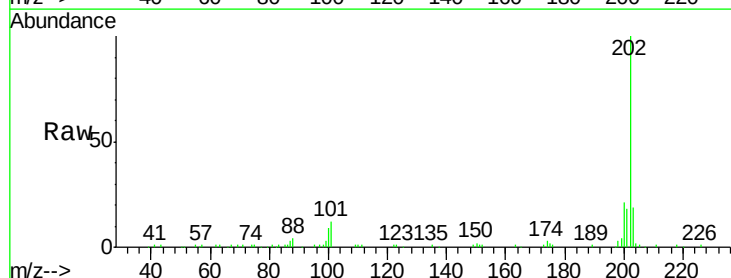
Tgt Ion:202 Resp: 78033

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

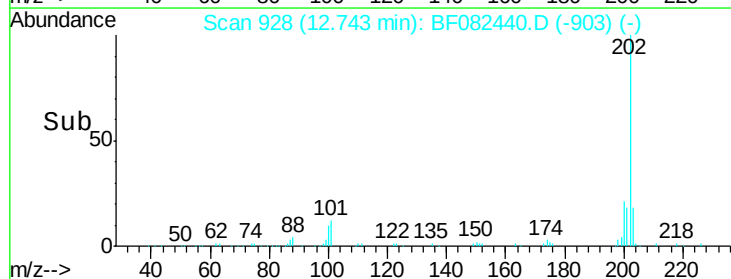
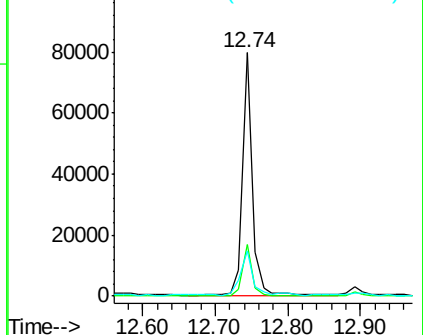
203 18.6 14.5 21.7

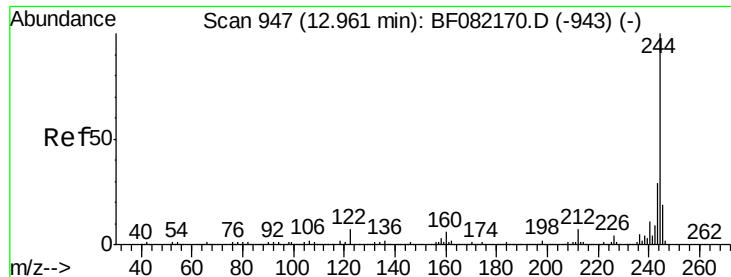


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

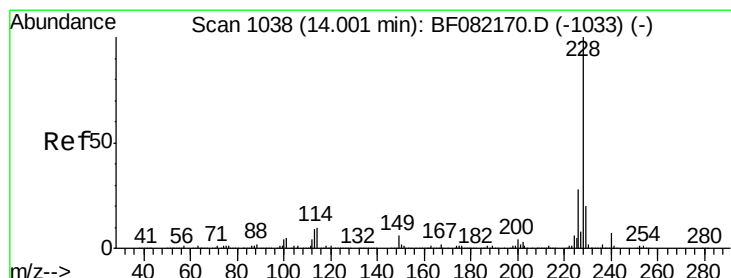
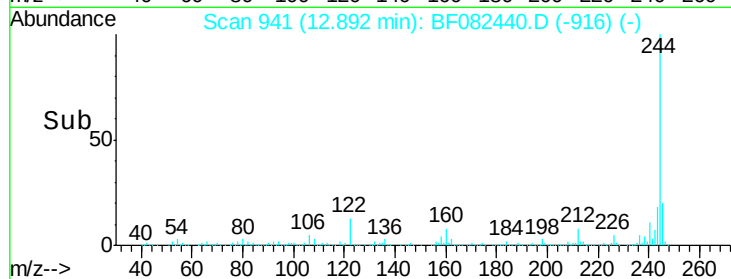
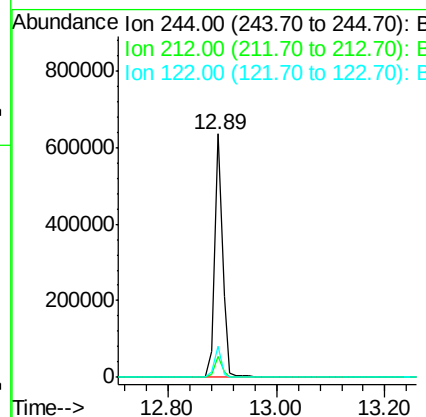
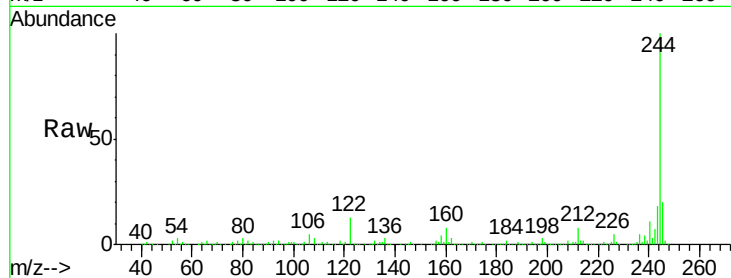




#78
 Terphenyl-d14
 Concen: 64.64 ng
 RT: 12.89 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF082440.D
 Acq: 22 Oct 2015 9:33

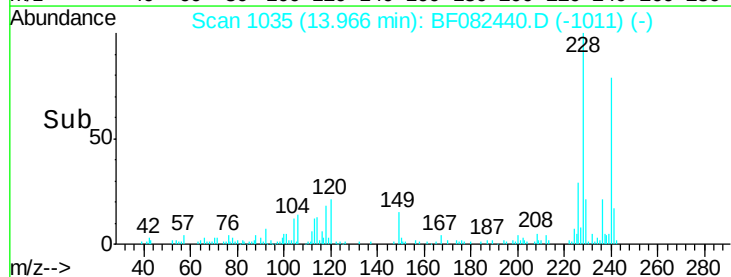
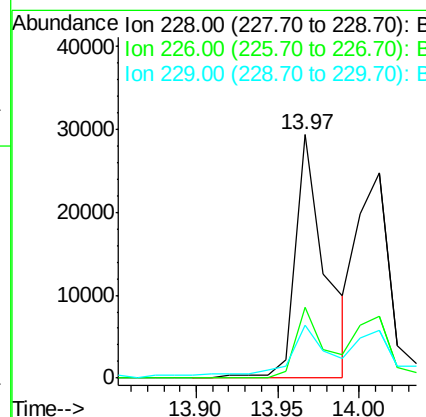
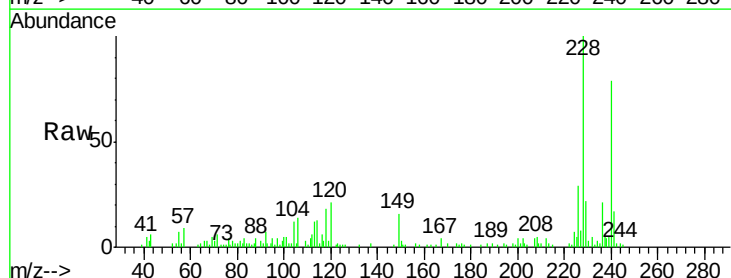
Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

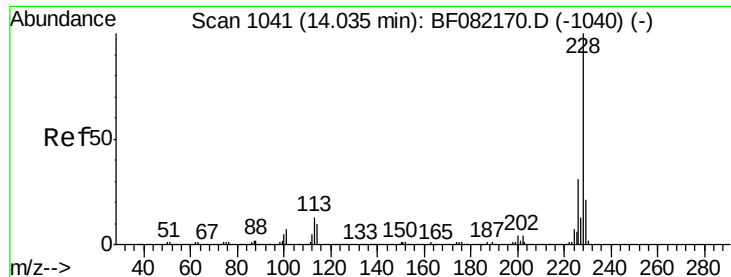
Tot Ion:244 Resp: 656851
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.8 8.6
 122 12.8 5.9 8.9#



#80
 Benzo(a)anthracene
 Concen: 2.71 ng
 RT: 13.97 min Scan# 1035
 Delta R.T. -0.02 min
 Lab File: BF082440.D
 Acq: 22 Oct 2015 9:33

Tgt Ion:228 Resp: 37945
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.3 33.5
 229 21.9 16.2 24.2

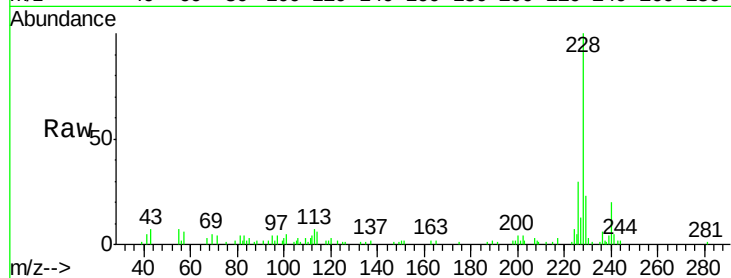




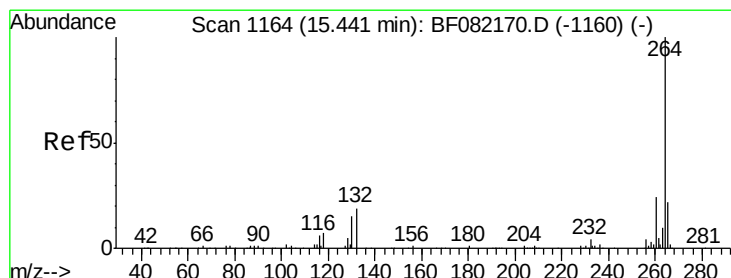
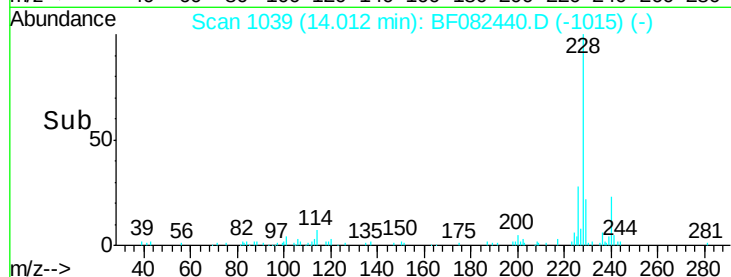
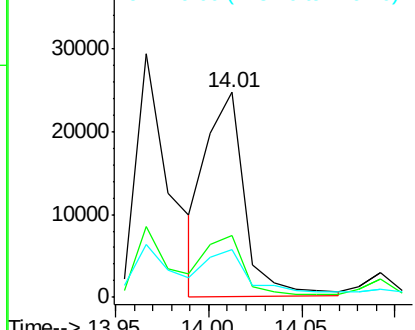
#82
Chrysene
Concen: 2.39 ng
RT: 14.01 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

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

Tot Ion:228 Resp: 35288
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 23.1 16.3 24.5

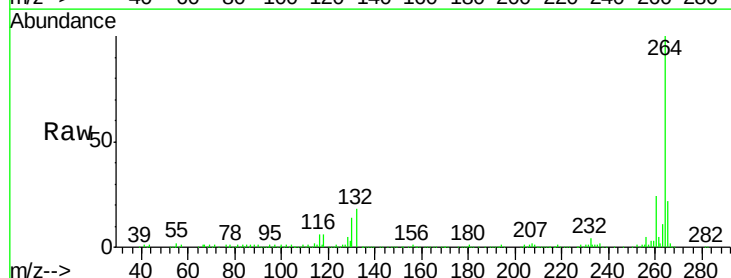


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

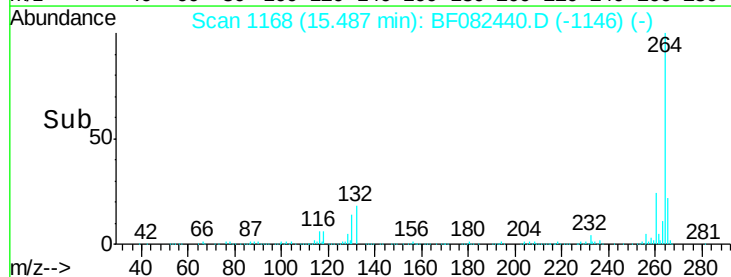
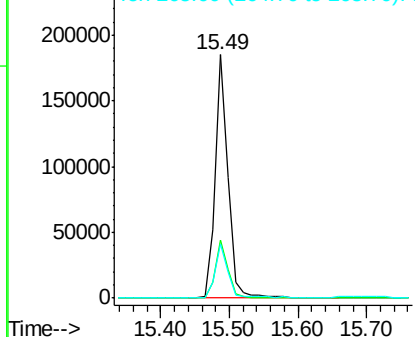


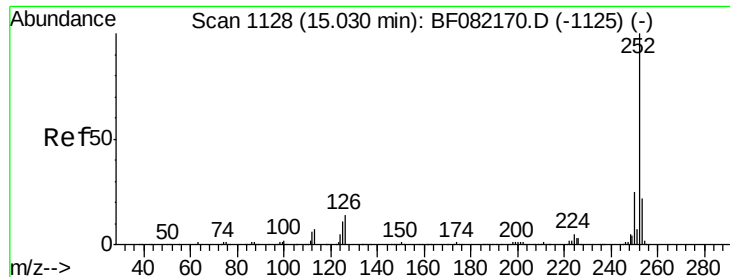
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

Tgt Ion:264 Resp: 245766
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 22.0 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

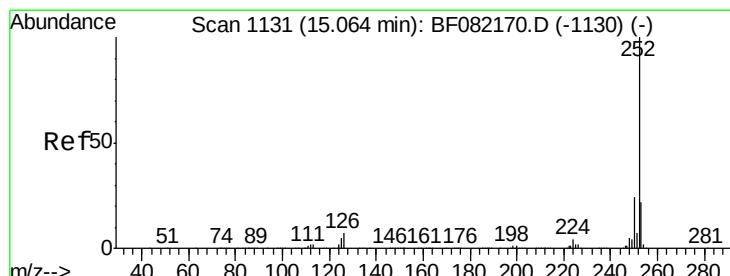
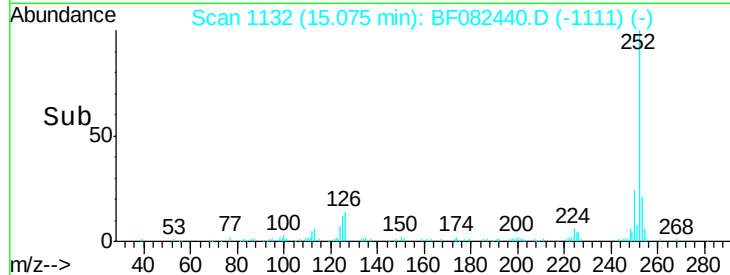
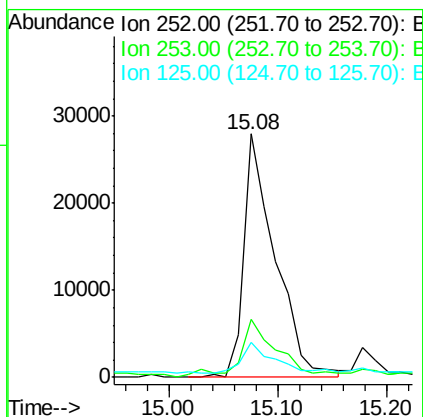
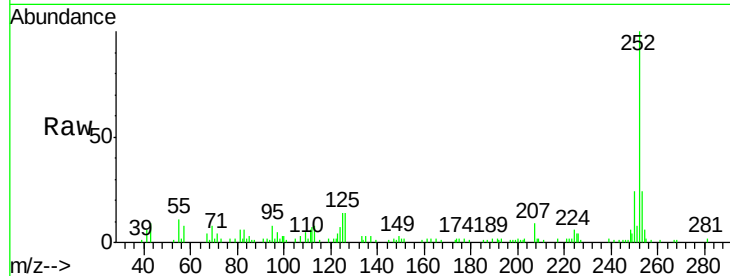




#87
Benzo(b)fluoranthene
Concen: 3.71 ng
RT: 15.08 min Scan# 1132
Delta R.T. -0.06 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

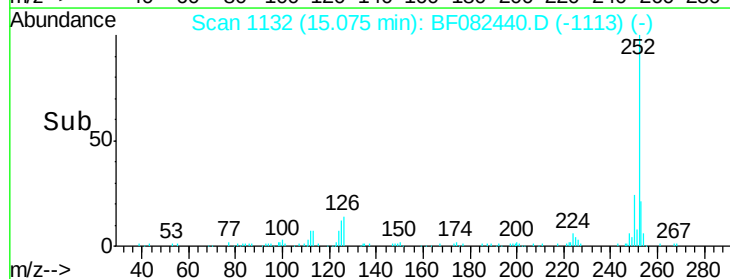
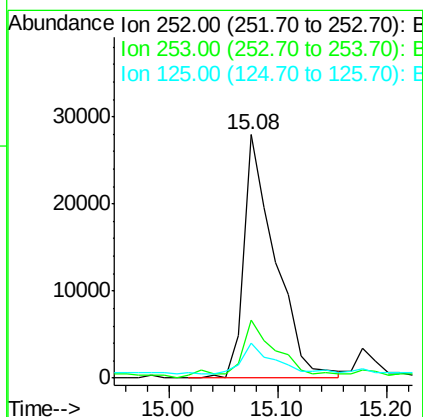
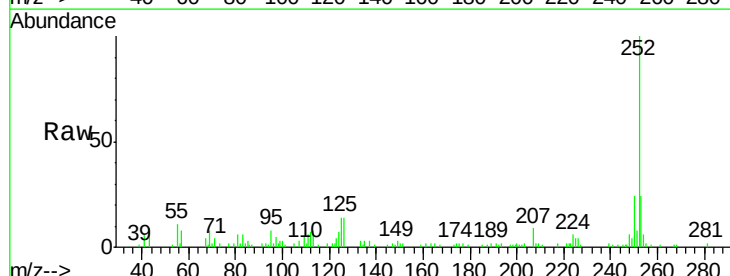
Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

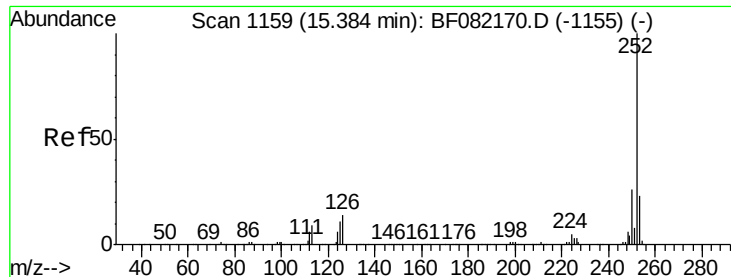
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	14.1	8.6	12.8#



#88
Benzo(k)fluoranthene
Concen: 4.42 ng
RT: 15.08 min Scan# 1132
Delta R.T. -0.08 min
Lab File: BF082440.D
Acq: 22 Oct 2015 9:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	14.1	6.7	10.1#





#89

Benzo(a)pyrene

Concen: 2.05 ng

RT: 15.43 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BF082440.D

Acq: 22 Oct 2015 9:33

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

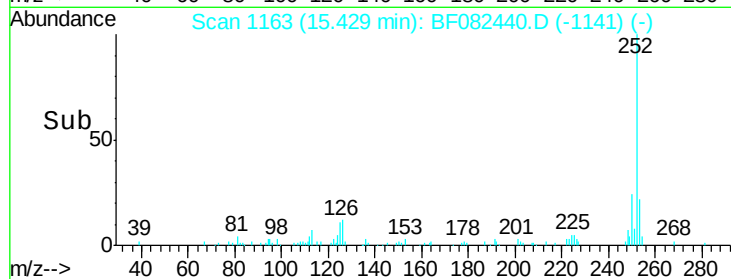
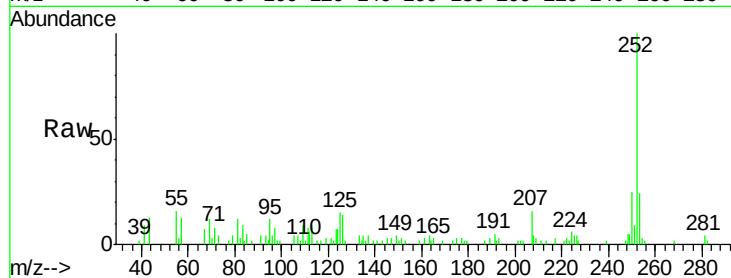
Tot Ion: 252 Resp: 26389

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

125 15.0 8.9 13.3#



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

