

Data Path : Z:\HPCHEM1\BNA_F\Data\BF102615\
 Data File : BF082543.D
 Acq On : 27 Oct 2015 11:05
 Operator : UM/IZ
 Sample : G4117-11RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Oct 27 13:22:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	112121	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	402561	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	179598	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	281362	20.00	ng	0.00
75) Chrysene-d12	13.92	240	289621	20.00	ng	0.01
86) Perylene-d12	15.38	264	209186	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	712595	125.47	ng	0.02
7) Phenol-d6	6.39	99	854554	115.44	ng	0.01
23) Nitrobenzene-d5	7.30	82	498539	79.89	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	132782	98.73	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	849239	75.19	ng	0.00
78) Terphenyl-d14	12.85	244	624123	62.08	ng	0.00

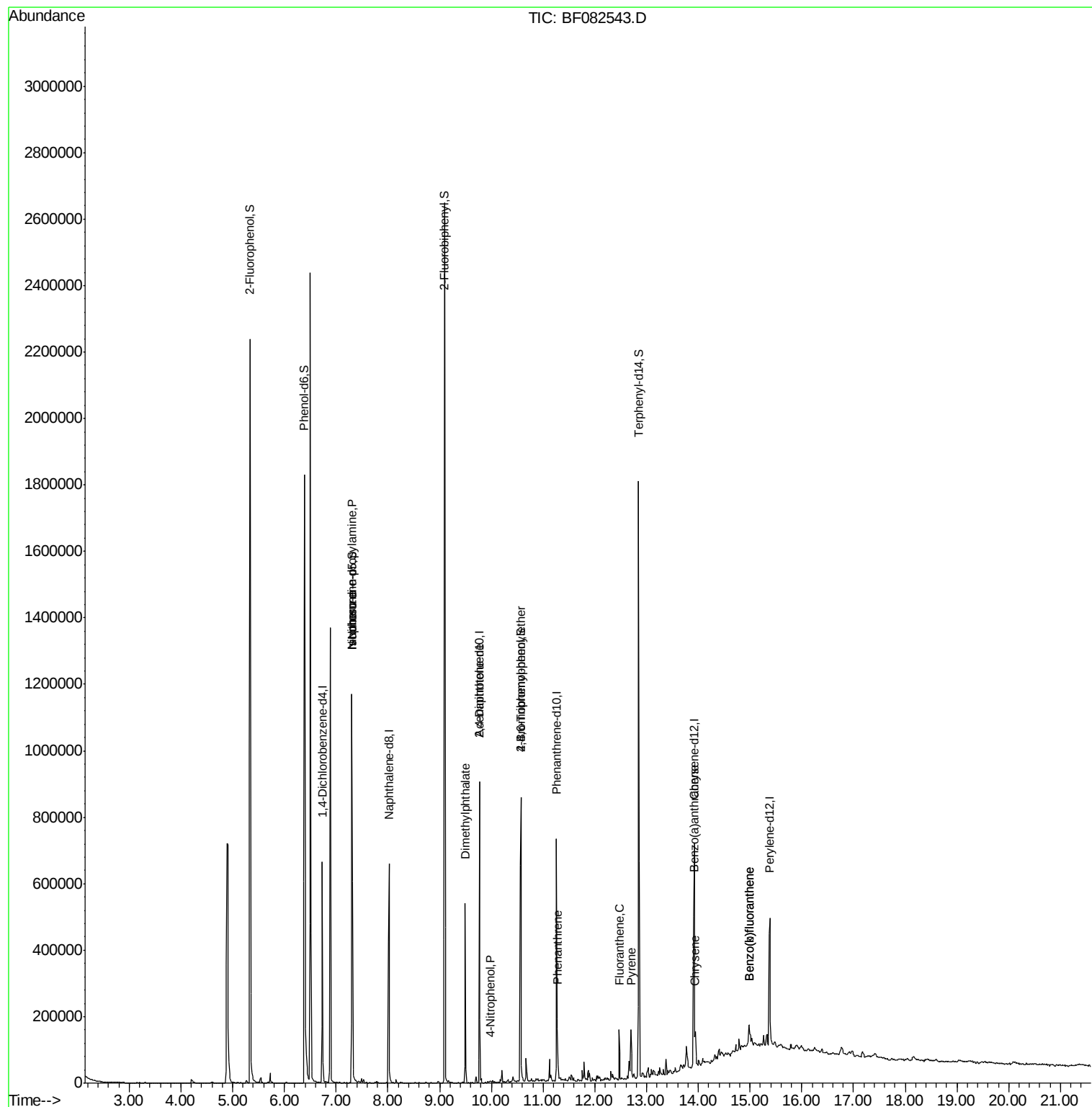
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	1119	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	64551	13.39	ng	79
25) Isophorone	7.30	82	449210	36.24	ng	64
49) Dimethylphthalate	9.50	163	211194	16.90	ng	100
55) 4-Nitrophenol	9.98	139	499	6.68	ng	11
56) 2,4-Dinitrotoluene	9.77	165	22635	6.81	ng	11
66) 4-Bromophenyl-phenylether	10.57	248	9901	3.75	ng	1
70) Phenanthrene	11.28	178	60229	4.16	ng	98
74) Fluoranthene	12.47	202	76860	5.17	ng	97
77) Pyrene	12.70	202	77088	4.33	ng	98
80) Benzo(a)anthracene	13.91	228	36948	2.38	ng	99
82) Chrysene	13.94	228	42623	2.91	ng	99
87) Benzo(b)fluoranthene	14.98	252	50638	4.08	ng	91
88) Benzo(k)fluoranthene	14.98	252	50801	5.02	ng	93

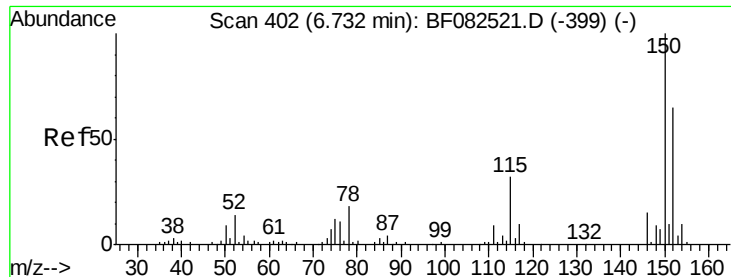
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 27 02:43:58 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

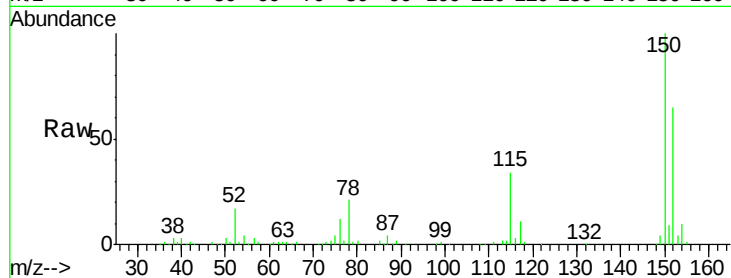
Tgt Ion:152 Resp: 112121

Ion Ratio Lower Upper

152 100

150 153.3 123.4 185.0

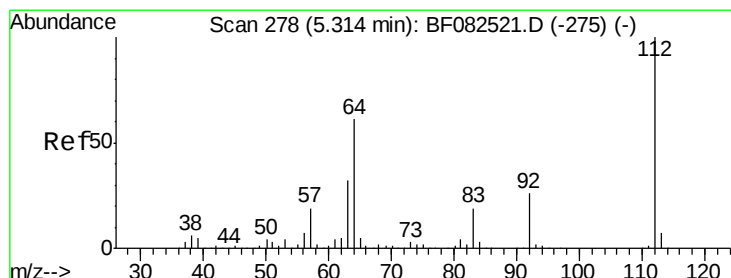
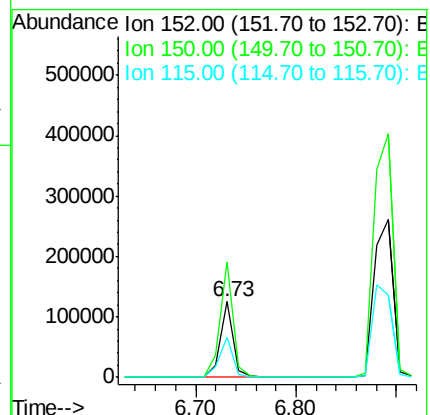
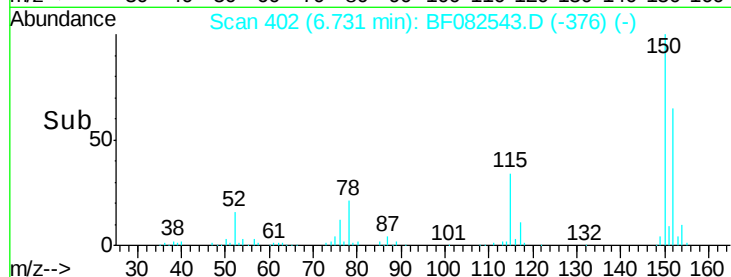
115 52.3 39.0 58.4



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: 125.47 ng

RT: 5.34 min Scan# 280

Delta R.T. 0.02 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

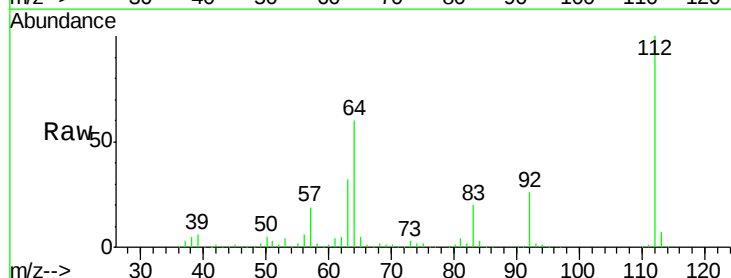
Tgt Ion:112 Resp: 712595

Ion Ratio Lower Upper

112 100

64 60.0 49.0 73.4

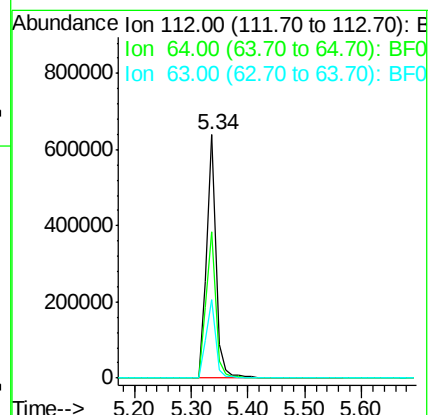
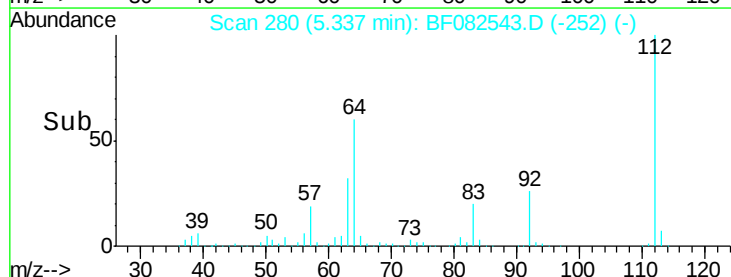
63 32.3 25.8 38.6

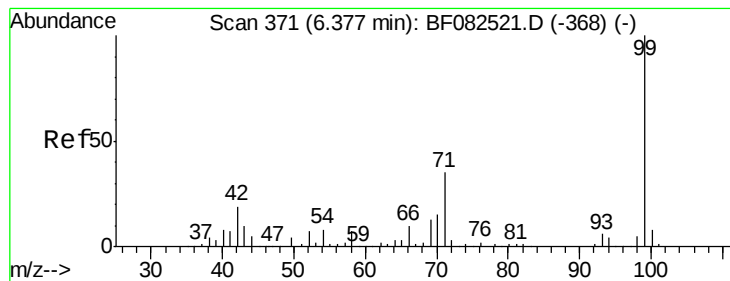


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.44 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

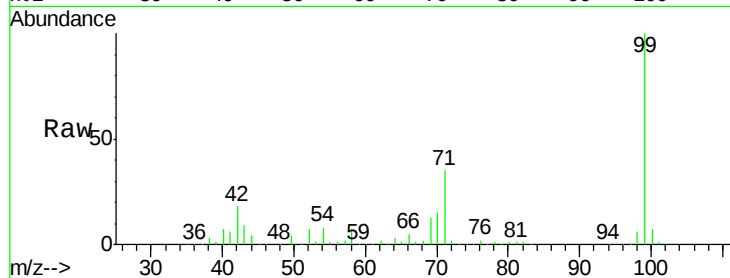
Tgt Ion: 99 Resp: 854554

Ion Ratio Lower Upper

99 100

42 18.2 15.1 22.7

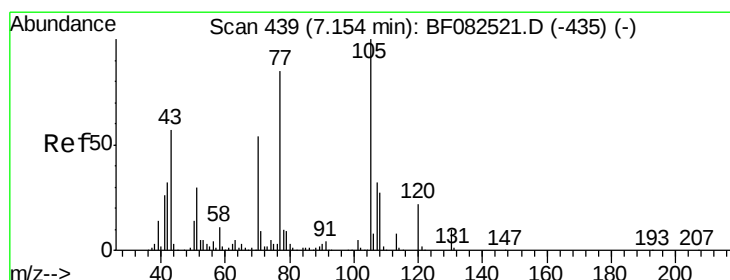
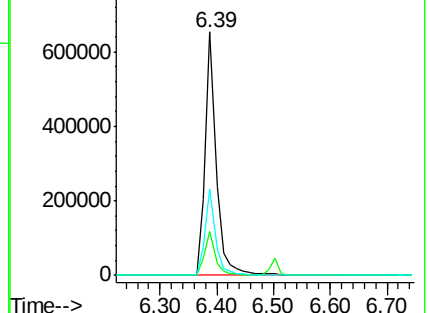
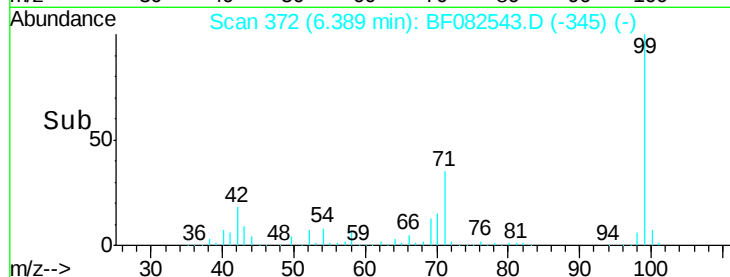
71 35.4 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.39 ng

RT: 7.30 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Tgt Ion: 70 Resp: 64551

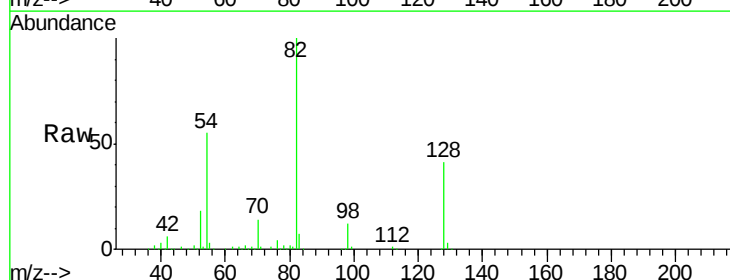
Ion Ratio Lower Upper

70 100

42 47.2 46.9 70.3

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

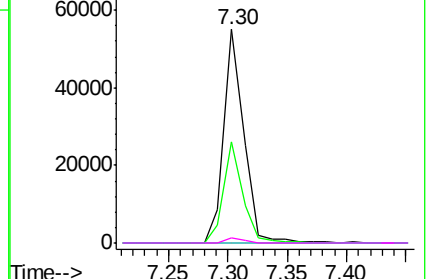
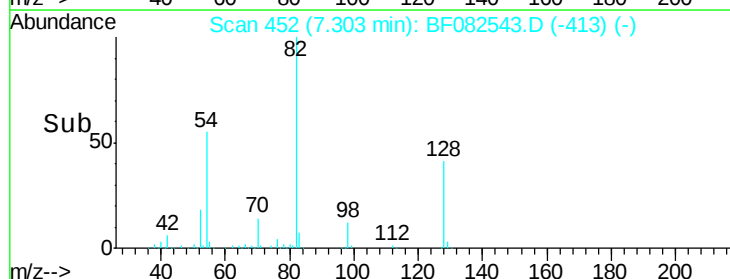


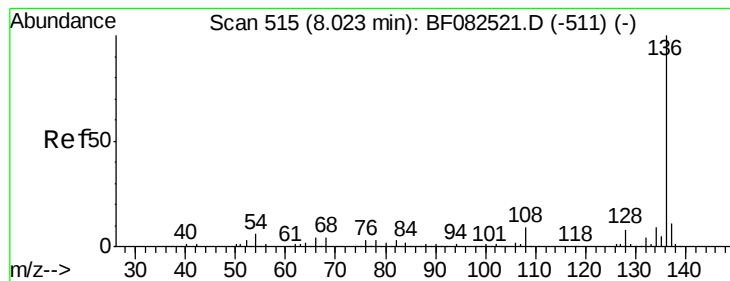
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

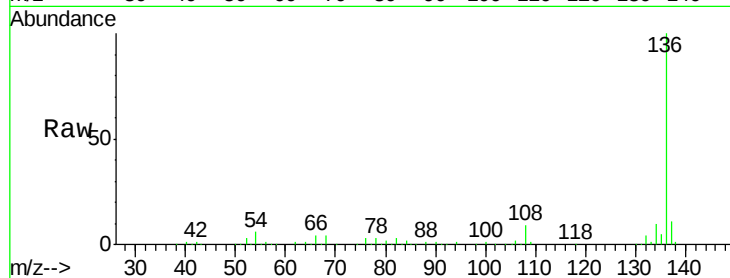




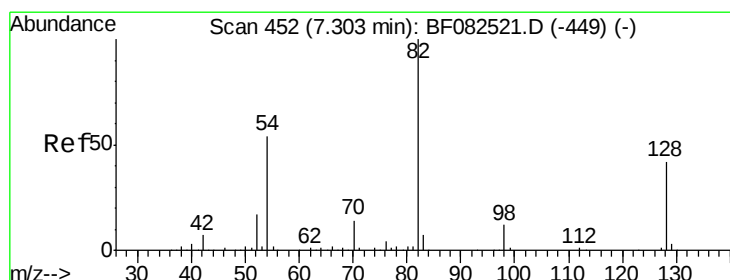
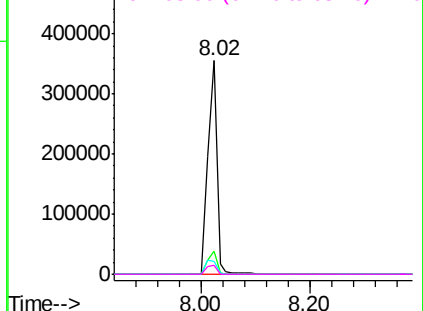
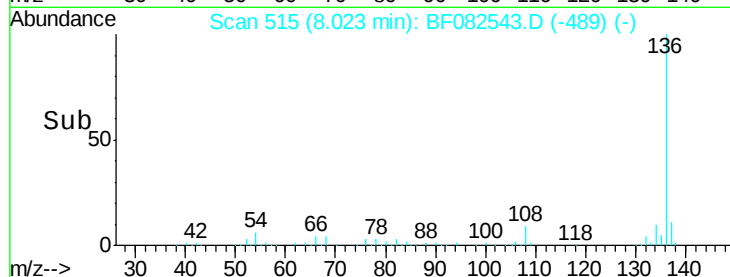
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF082543.D
Acq: 27 Oct 2015 11:05

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

Tgt Ion:	136	Resp:	402561
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	5.9	4.6	7.0
68	3.9	3.2	4.8

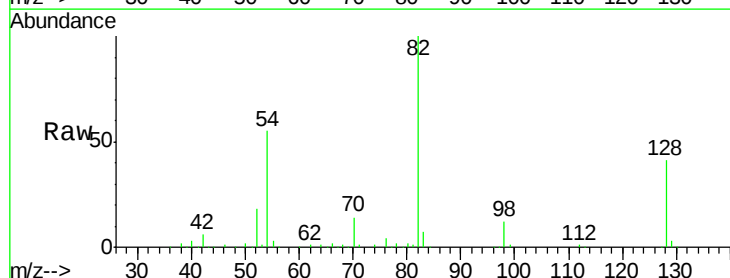


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

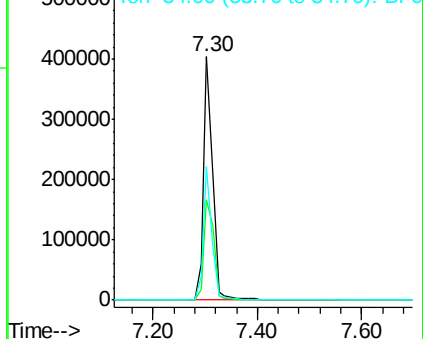
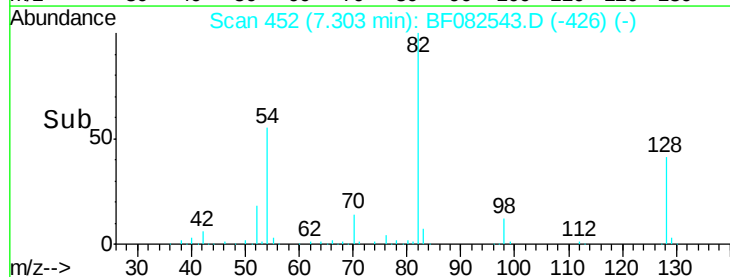


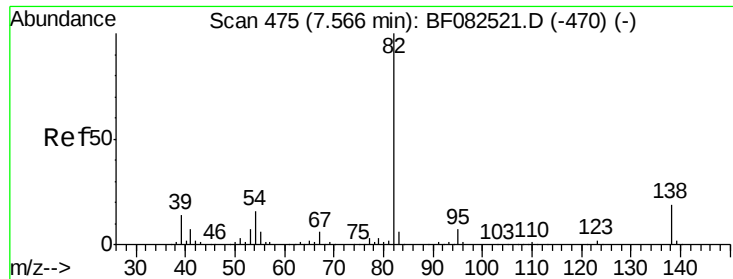
#23
Nitrobenzene-d5
Concen: 79.89 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF082543.D
Acq: 27 Oct 2015 11:05

Tgt Ion:	82	Resp:	498539
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.4	50.0
54	54.9	43.5	65.3



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

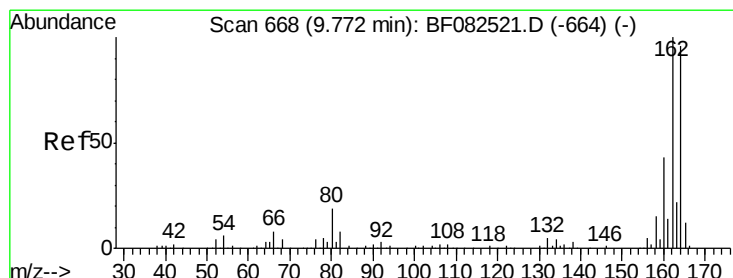
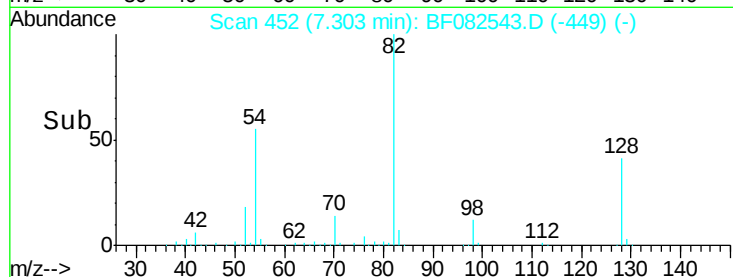
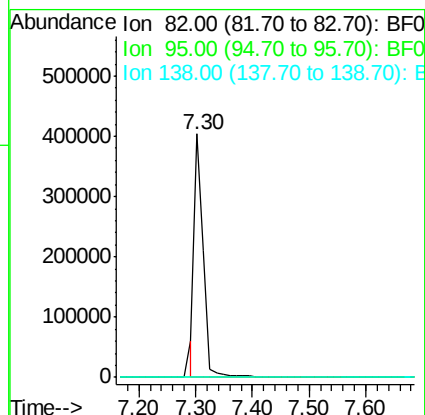
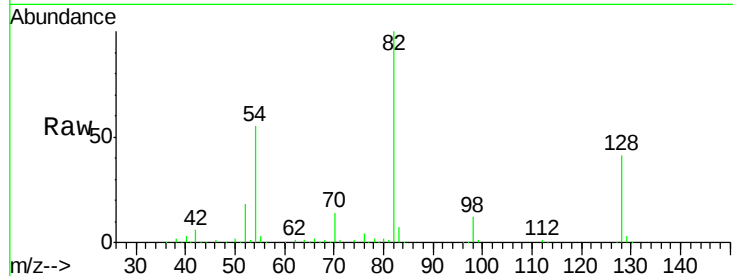




#25
Isophorone
Concen: 36.24 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.26 min
Lab File: BF082543.D
Acq: 27 Oct 2015 11:05

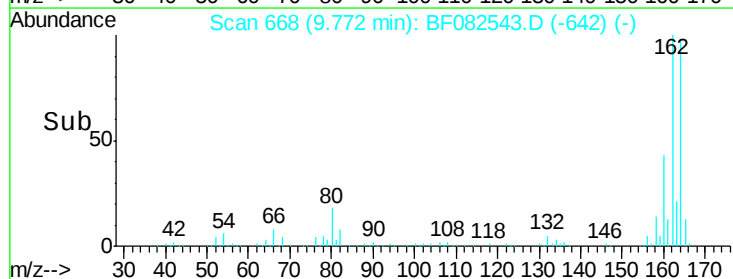
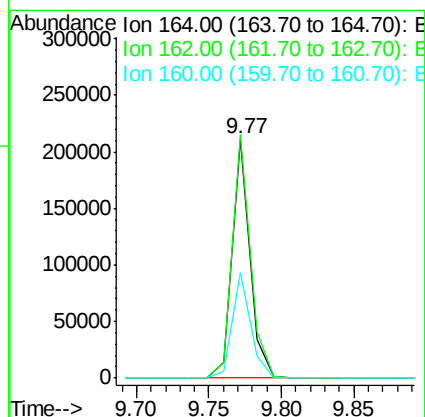
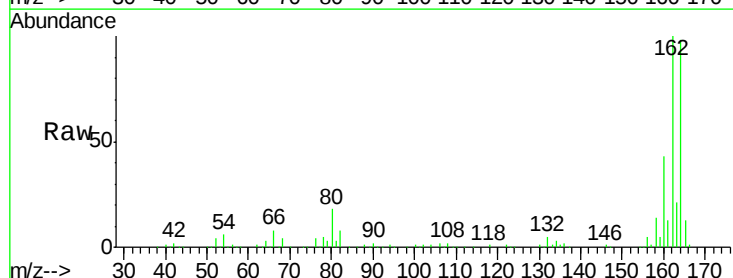
Instrument :
BNA_F
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AB-AC-08(0-2)

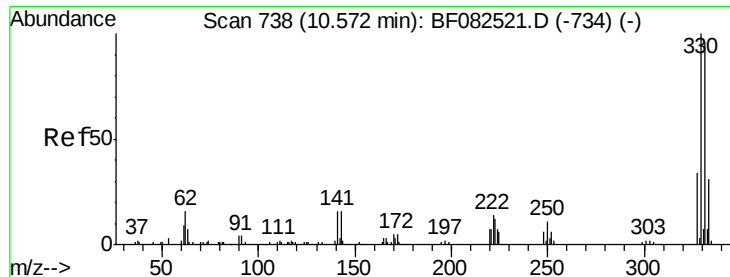
Tgt Ion: 82 Resp: 449210
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.4#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 668
Delta R.T. -0.00 min
Lab File: BF082543.D
Acq: 27 Oct 2015 11:05

Tgt Ion: 164 Resp: 179598
Ion Ratio Lower Upper
164 100
162 102.1 83.6 125.4
160 44.1 36.0 54.0

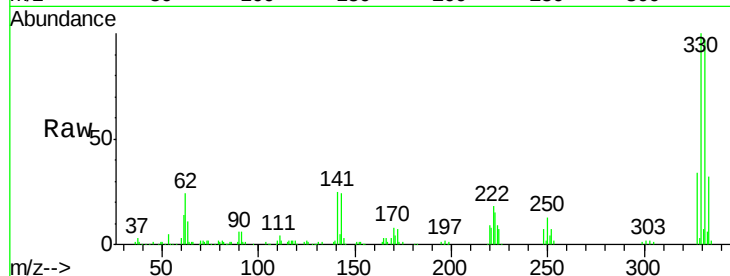




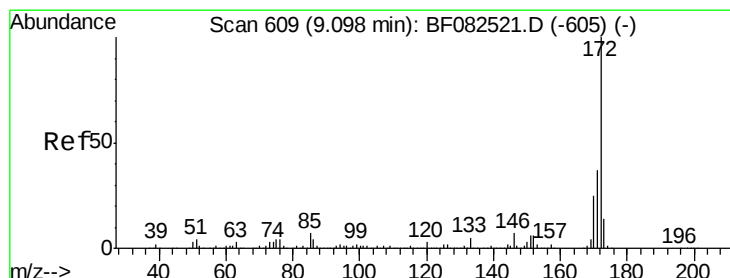
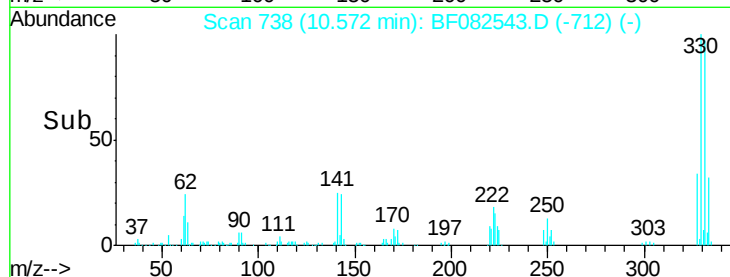
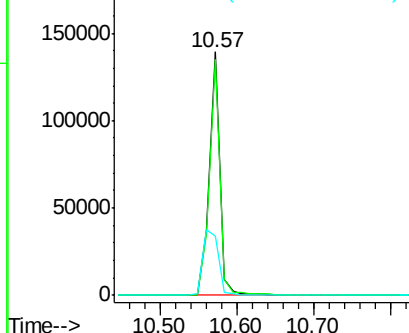
#41
 2,4,6-Tribromophenol
 Concen: 98.73 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

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

Tgt Ion:330 Resp: 132782
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.0
 141 39.6 32.5 48.7

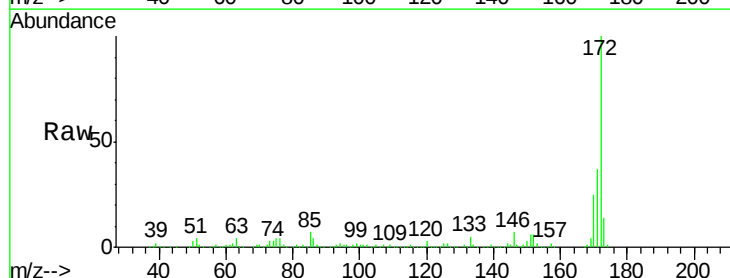


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

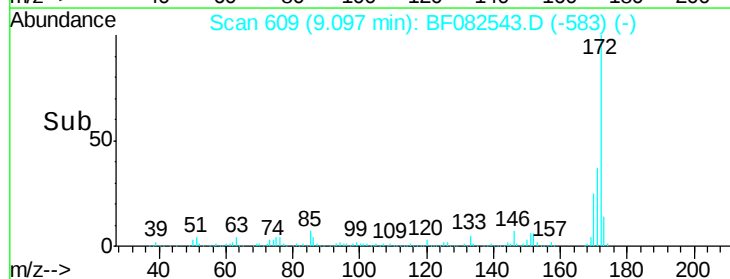
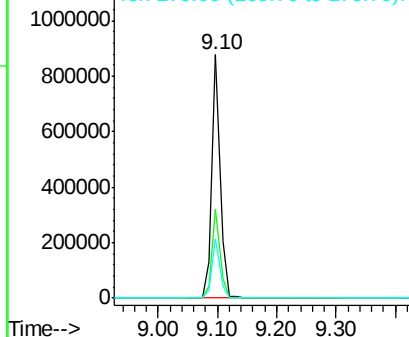


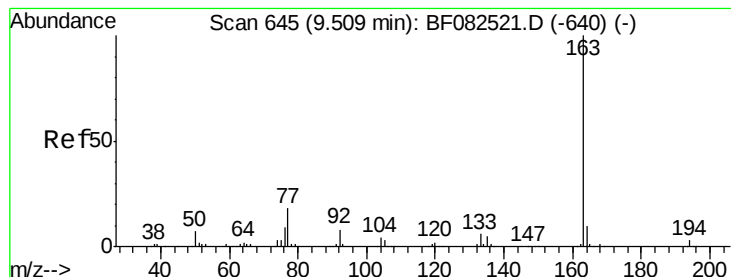
#44
 2-Fluorobiphenyl
 Concen: 75.19 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

Tgt Ion:172 Resp: 849239
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 24.5 19.8 29.6



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: 16.90 ng

RT: 9.50 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

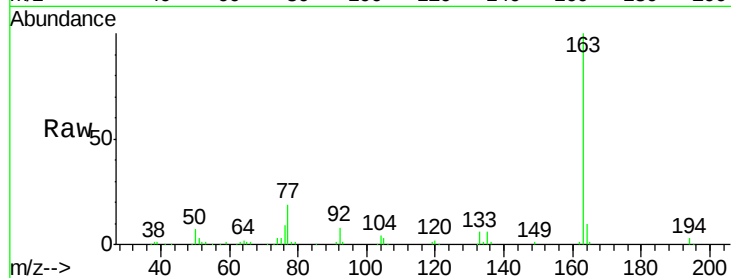
Tgt Ion:163 Resp: 211194

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

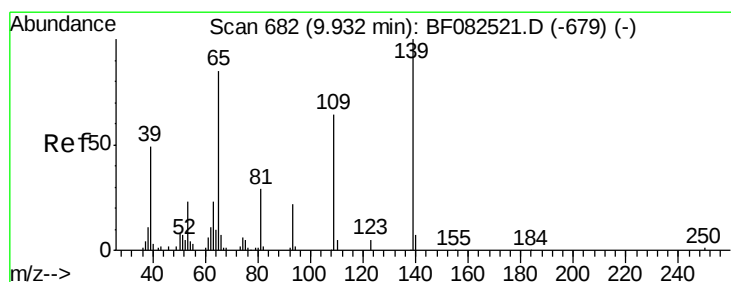
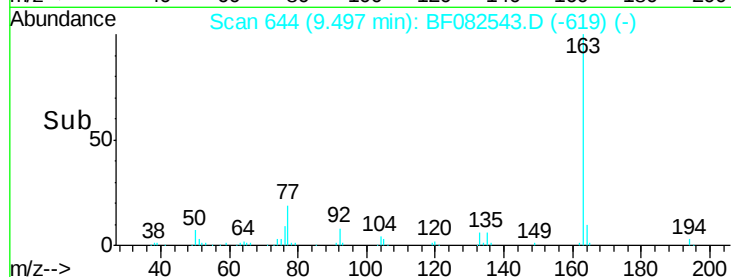
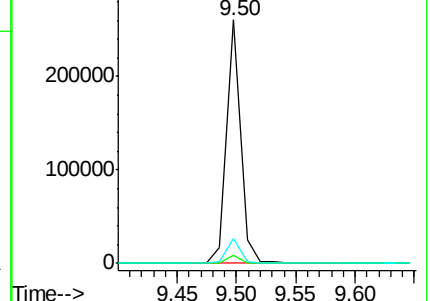
164 10.1 8.2 12.4



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



#55

4-Nitrophenol

Concen: 6.68 ng

RT: 9.98 min Scan# 686

Delta R.T. 0.05 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

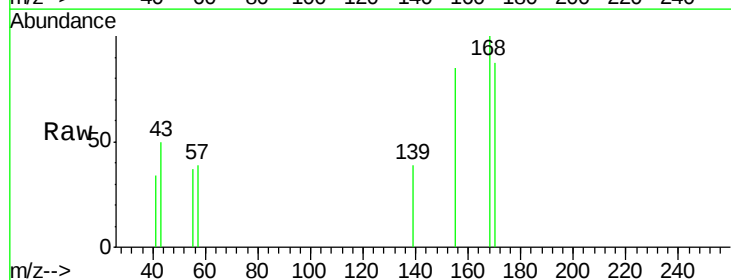
Tgt Ion:139 Resp: 499

Ion Ratio Lower Upper

139 100

109 0.0 44.2 84.2#

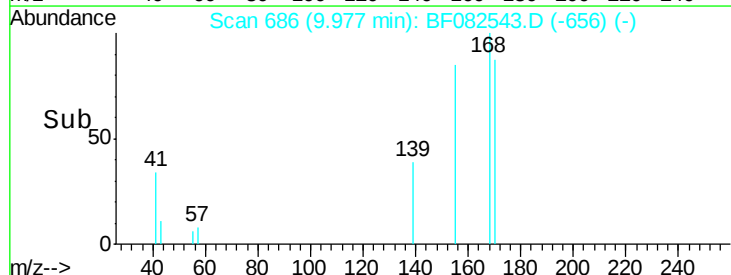
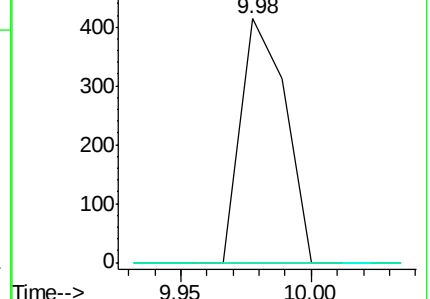
65 0.0 68.1 108.1#

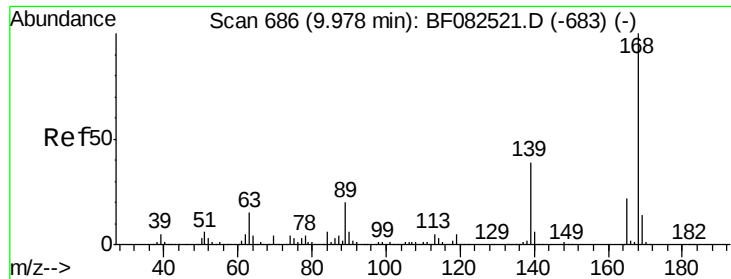


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

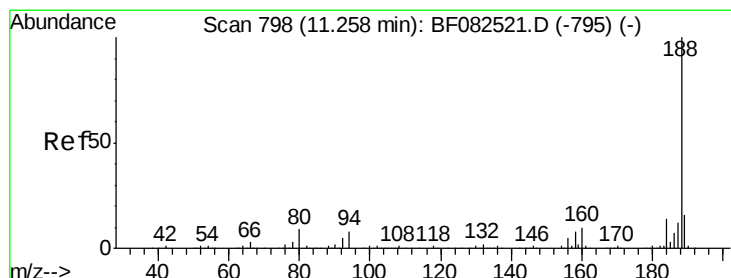
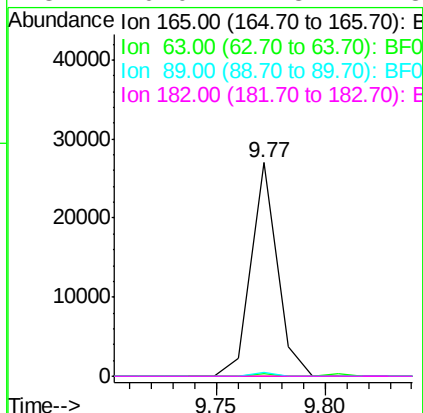
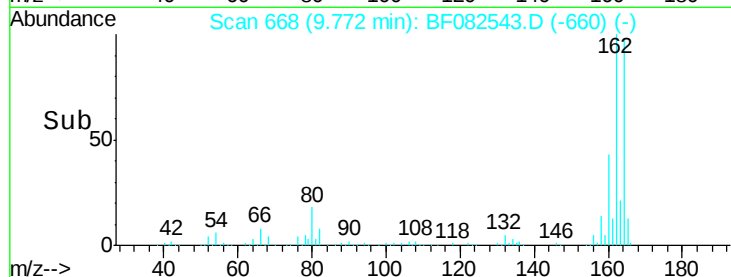
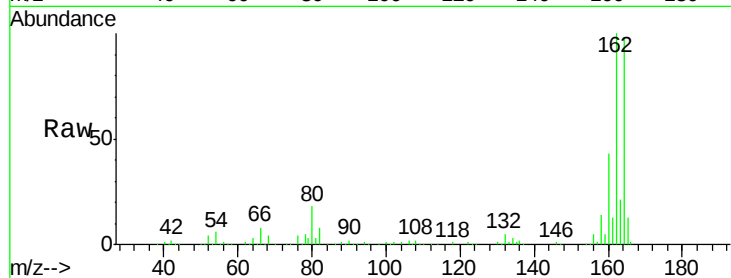




#56
 2,4-Dinitrotoluene
 Concen: 6.81 ng
 RT: 9.77 min Scan# 668
 Delta R.T. -0.21 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

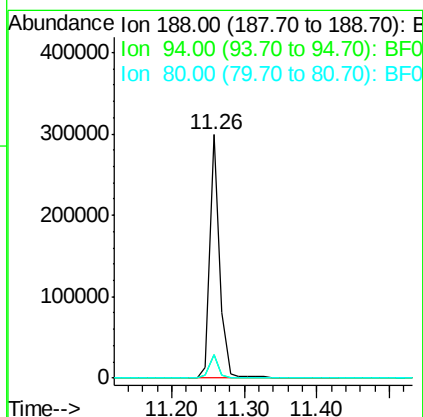
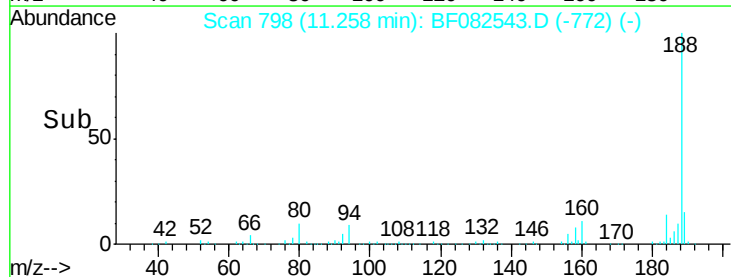
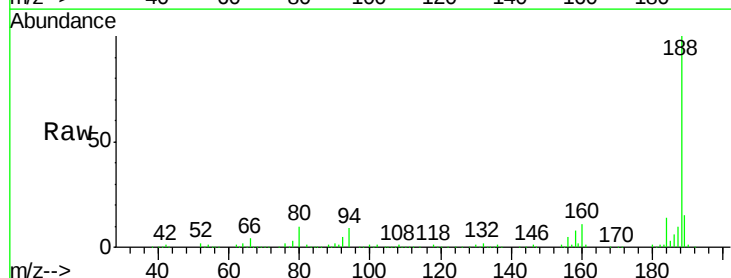
Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

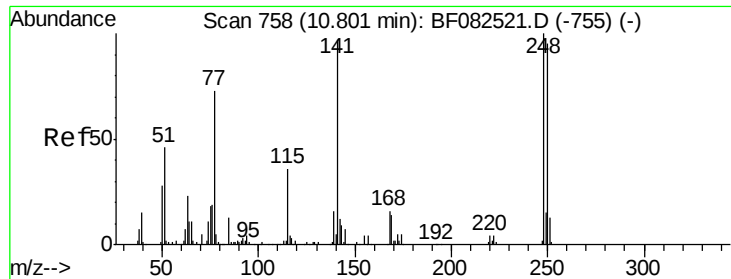
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	58.6	88.0#
89	1.6	72.3	108.5#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.4	9.6
80	9.8	7.0	10.6

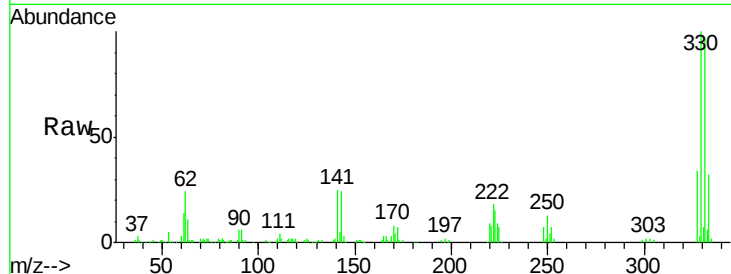




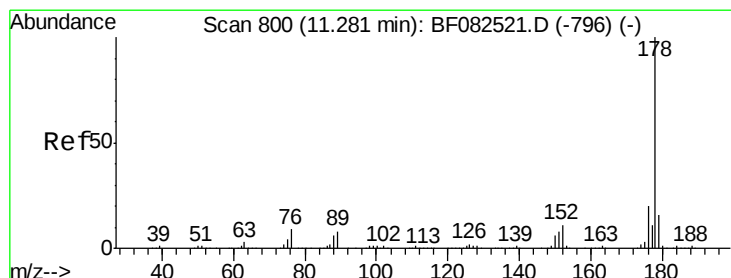
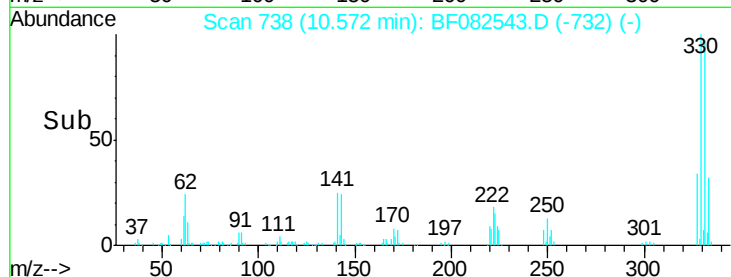
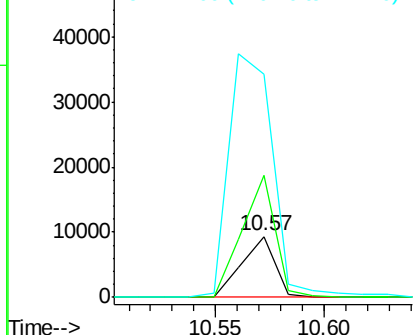
#66
 4-Bromophenyl-phenylether
 Concen: 3.75 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.23 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

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

Tgt Ion:248 Resp: 9901
 Ion Ratio Lower Upper
 248 100
 250 200.6 76.0 114.0#
 141 368.3 77.5 116.3#

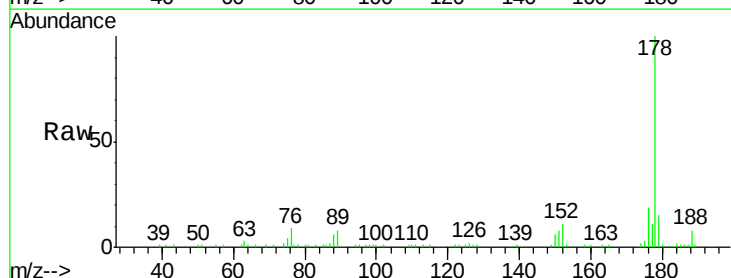


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

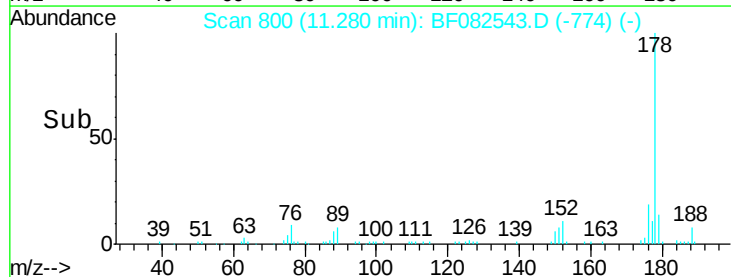
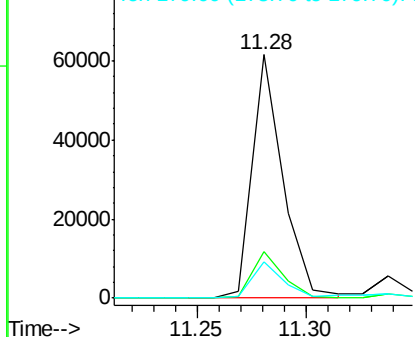


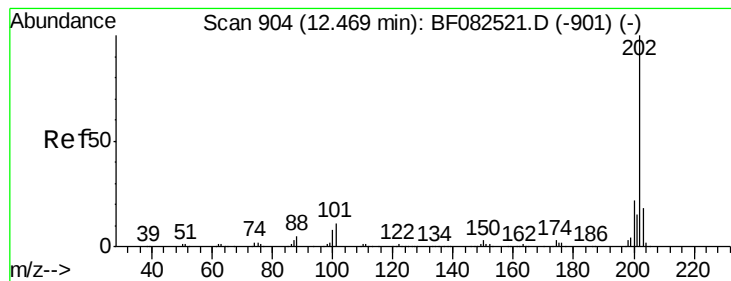
#70
 Phenanthrene
 Concen: 4.16 ng
 RT: 11.28 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

Tgt Ion:178 Resp: 60229
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.9 23.9
 179 14.9 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: 5.17 ng

RT: 12.47 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

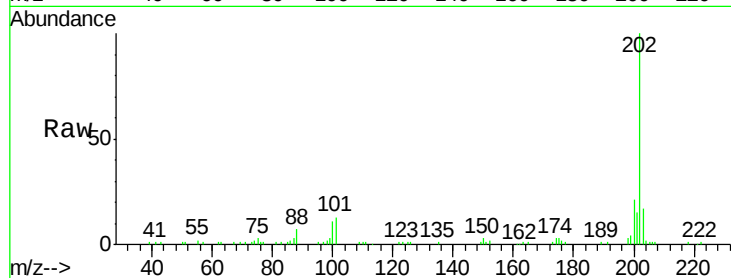
Tgt Ion:202 Resp: 76860

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.2

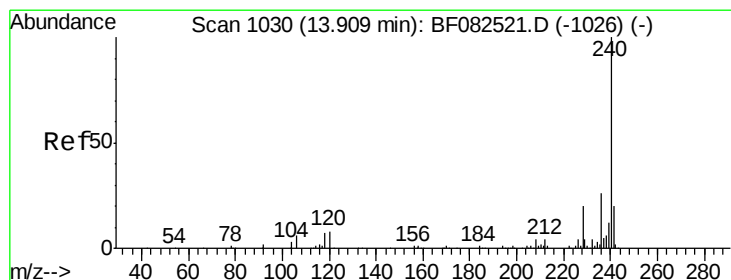
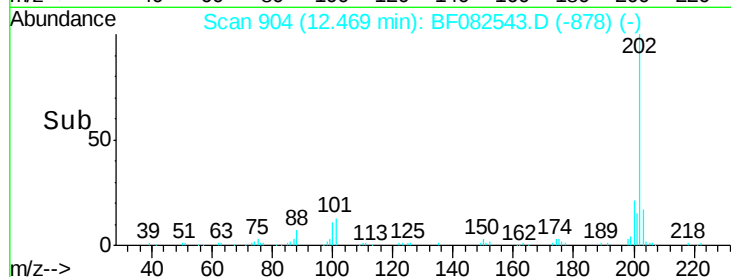
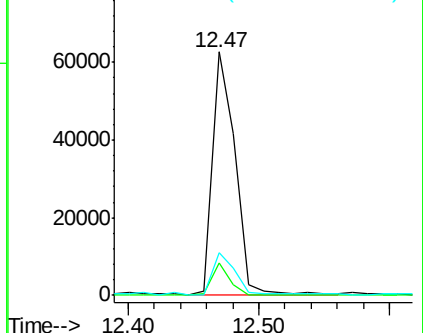
203 17.5 0.0 38.1



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: 13.92 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

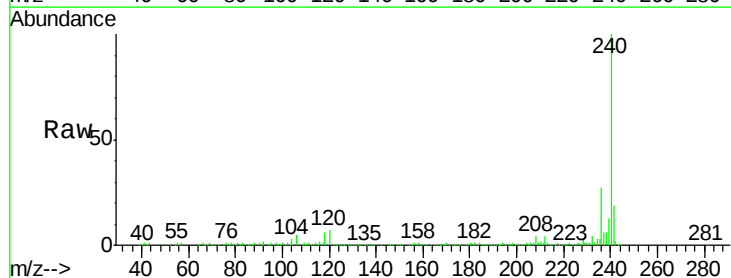
Tgt Ion:240 Resp: 289621

Ion Ratio Lower Upper

240 100

120 7.2 6.5 9.7

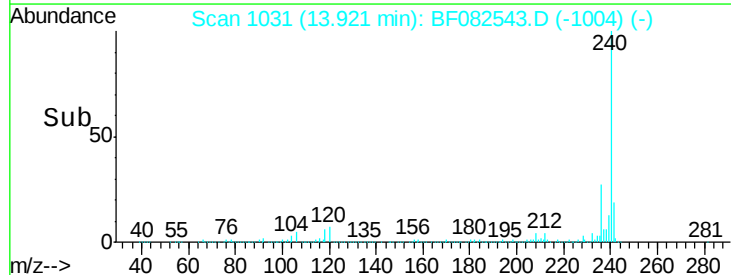
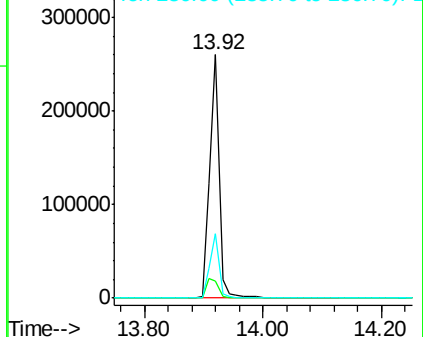
236 26.5 20.5 30.7

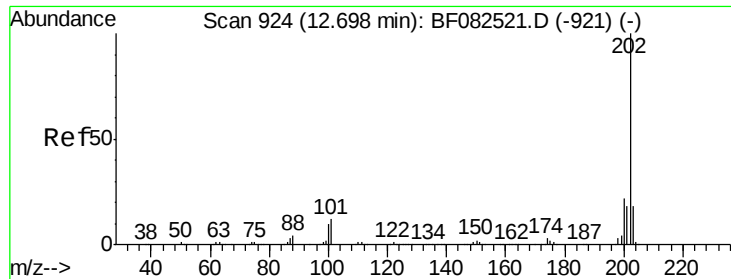


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.33 ng

RT: 12.70 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

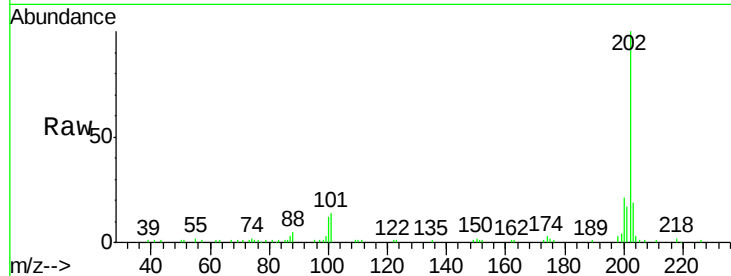
Tgt Ion:202 Resp: 77088

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

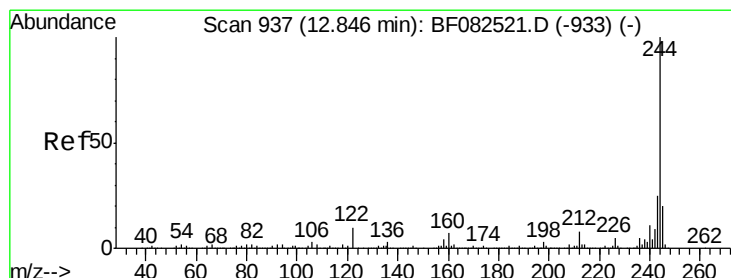
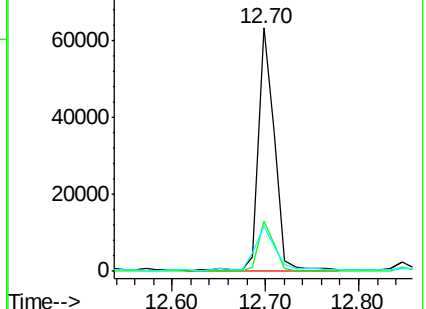
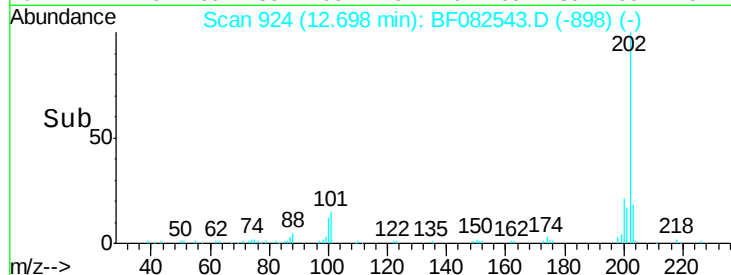
203 18.8 14.6 22.0



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: 62.08 ng

RT: 12.85 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

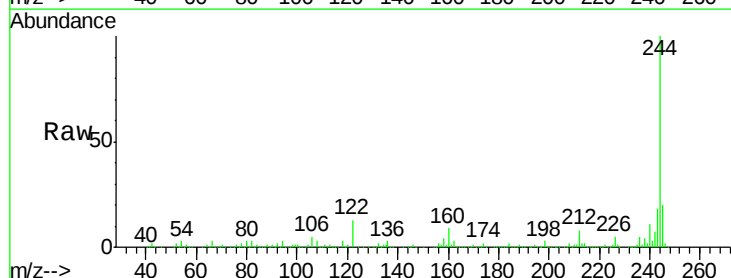
Tgt Ion:244 Resp: 624123

Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

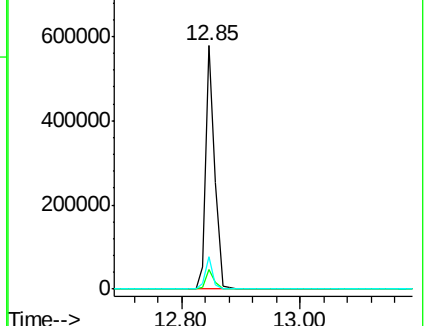
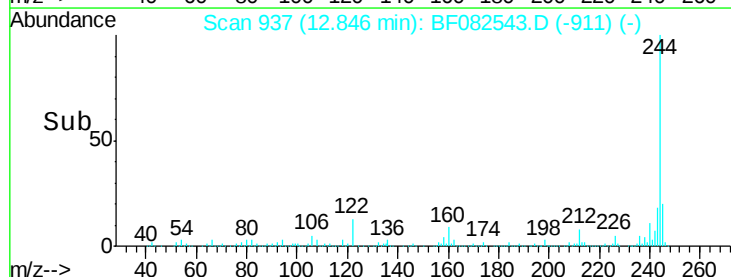
122 13.4 8.1 12.1#

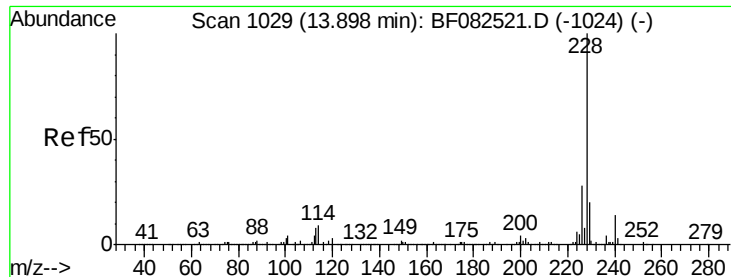


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.38 ng

RT: 13.91 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

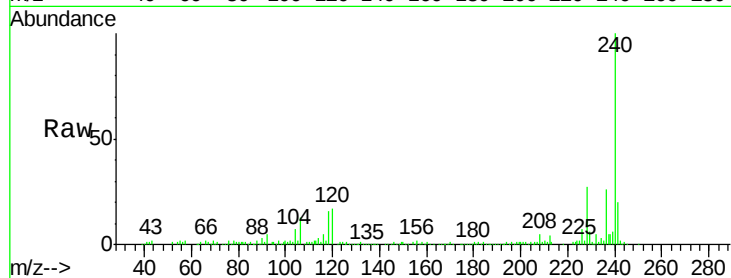
Tgt Ion:228 Resp: 36948

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

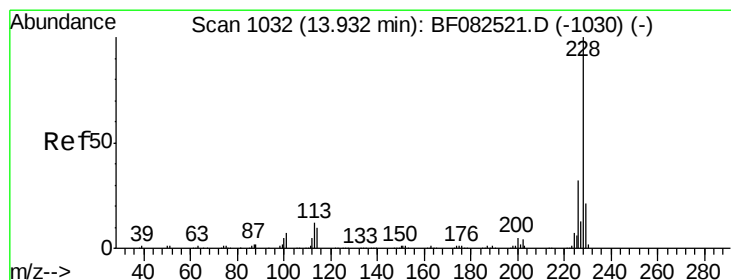
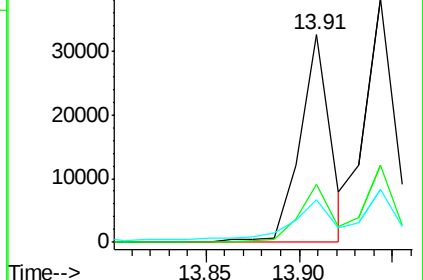
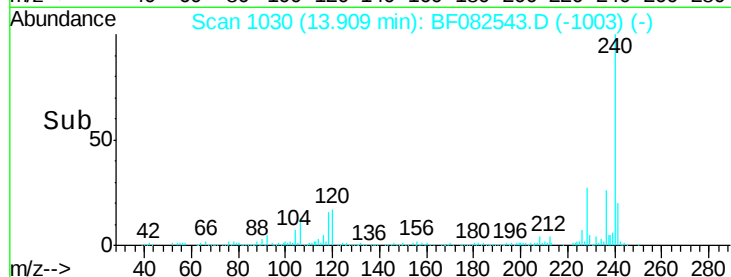
229 20.7 16.1 24.1



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: 2.91 ng

RT: 13.94 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

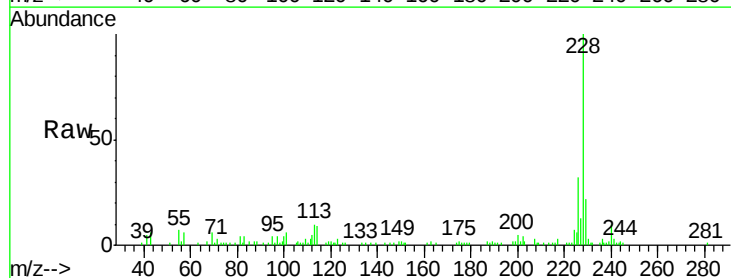
Tgt Ion:228 Resp: 42623

Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

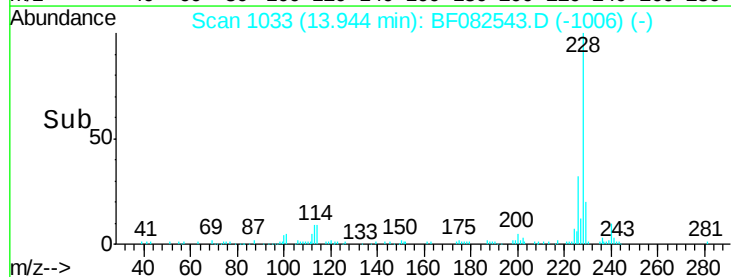
229 21.5 16.3 24.5



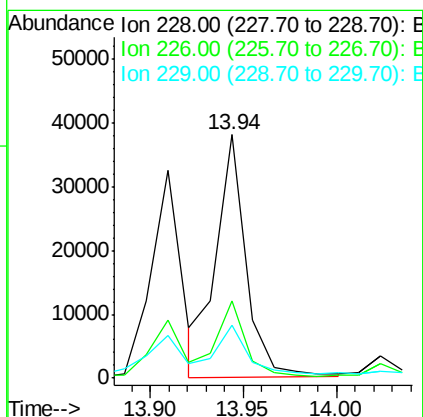
Abundance Ion 228.00 (227.70 to 228.70): E

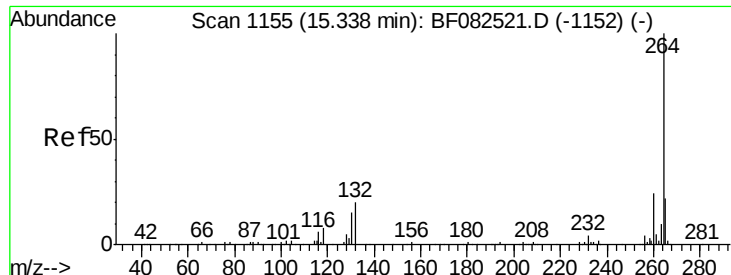
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.05 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

Instrument :

BNA_F

ClientSampleId :

AB-AC-08(0-2)

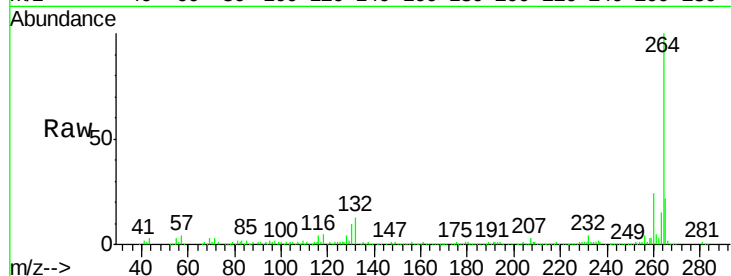
Tgt Ion: 264 Resp: 209186

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.7 17.8 26.6

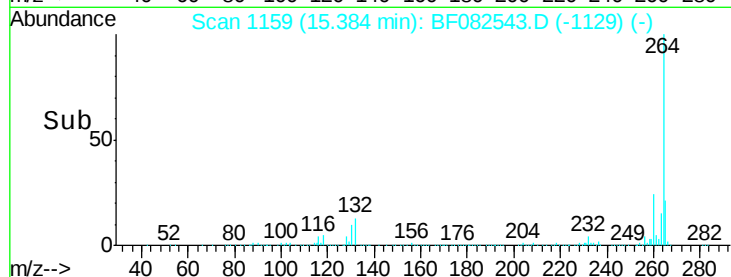


Abundance Ion 264.00 (263.70 to 264.70): E

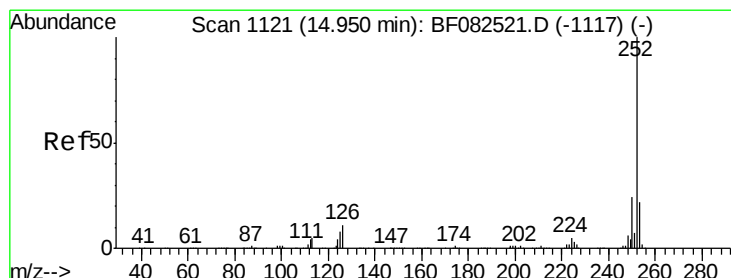
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.38



Time-->



#87

Benzo(b)fluoranthene

Concen: 4.08 ng

RT: 14.98 min Scan# 1124

Delta R.T. 0.03 min

Lab File: BF082543.D

Acq: 27 Oct 2015 11:05

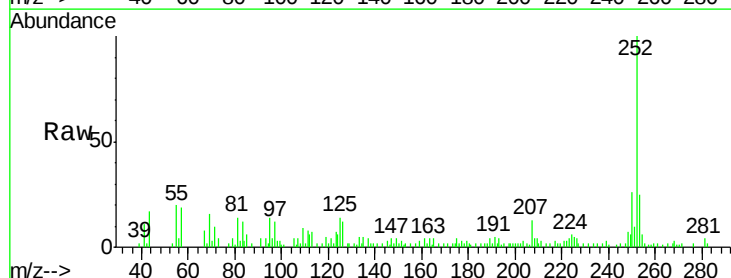
Tgt Ion: 252 Resp: 50638

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.8

125 14.2 6.6 10.0#

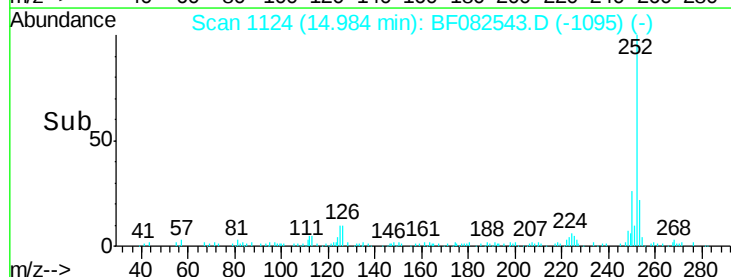


Abundance Ion 252.00 (251.70 to 252.70): E

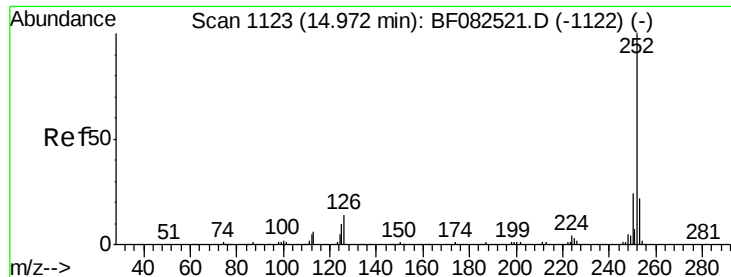
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

14.98



Time-->



#88
 Benzo(k)fluoranthene
 Concen: 5.02 ng
 RT: 14.98 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: BF082543.D
 Acq: 27 Oct 2015 11:05

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

Tgt Ion: 252 Resp: 50801
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.8 26.6
 125 14.2 8.7 13.1#

