

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081530.D
 Acq On : 8 Sep 2015 19:18
 Operator : UM/IZ
 Sample : G3561-02RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 08 23:51:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 23:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	56046	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	216946	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	93998	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	161569	20.00	ng	-0.01
75) Chrysene-d12	13.45	240	111637	20.00	ng	0.00
86) Perylene-d12	14.75	264	105764	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	333162	92.23	ng	0.01
7) Phenol-d6	6.01	99	450033	94.12	ng	-0.01
23) Nitrobenzene-d5	6.92	82	304271	67.67	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	77207	92.25	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	438130	59.73	ng	0.00
78) Terphenyl-d14	12.42	244	259066	54.02	ng	0.00

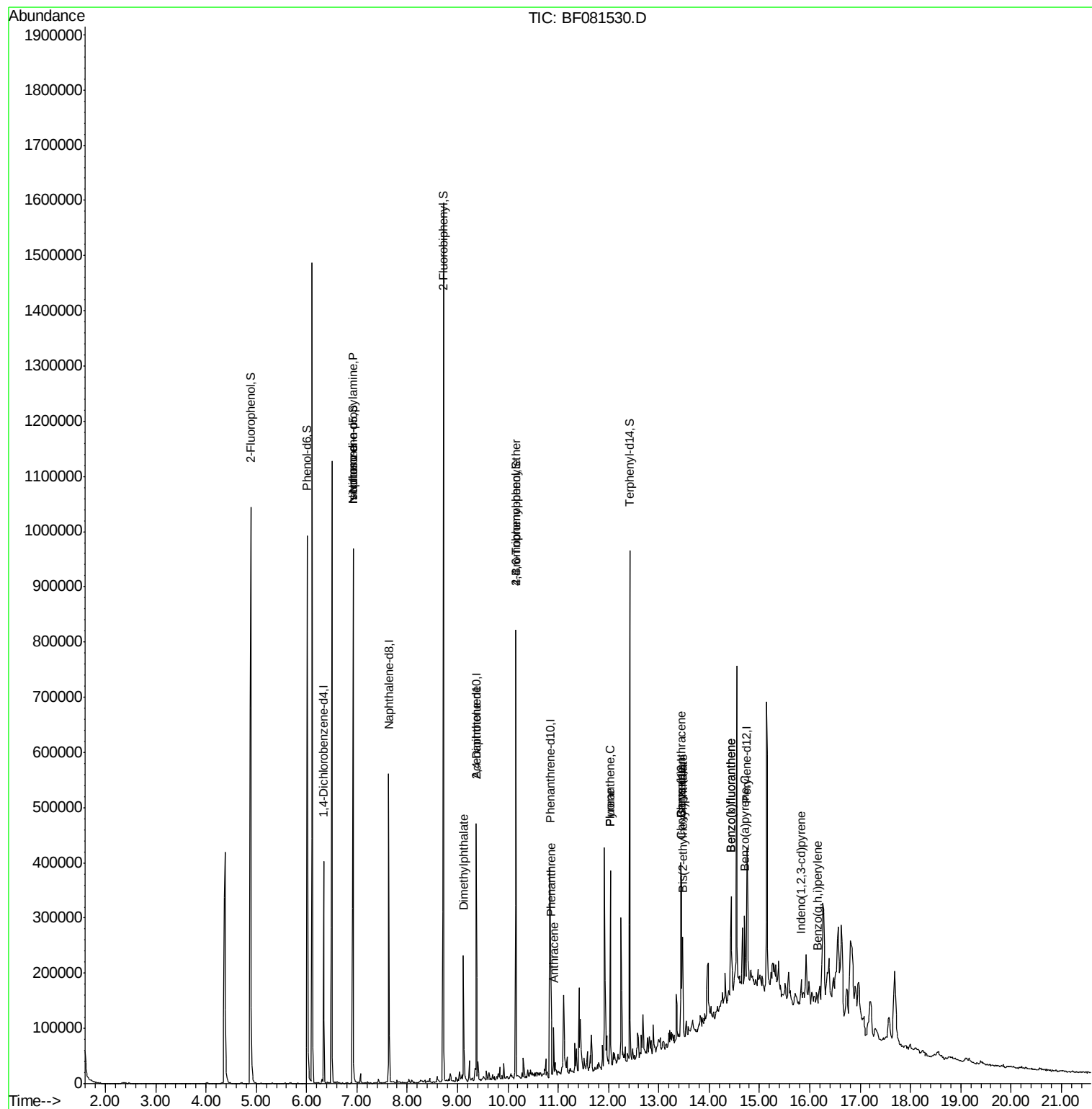
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.92	70	41113	12.63	ng	# 63
25) Isophorone	6.92	82	232791	27.83	ng	# 58
49) Dimethylphthalate	9.12	163	80274	10.99	ng	# 97
56) 2,4-Dinitrotoluene	9.37	165	11831	5.61	ng	# 36
66) 4-Bromophenyl-phenylether	10.16	248	6272	3.84	ng	# 1
70) Phenanthrene	10.86	178	84921	9.45	ng	98
71) Anthracene	10.91	178	26785	2.90	ng	98
74) Fluoranthene	12.03	202	126414	13.00	ng	88
77) Pyrene	12.03	202	126414	15.29	ng	98
80) Benzo(a)anthracene	13.44	228	74537	10.48	ng	95
82) Chrysene	13.44	228	74537	11.70	ng	96
83) Bis(2-ethylhexyl)phthalate	13.47	149	13218	2.79	ng	# 92
85) Indeno(1,2,3-cd)pyrene	15.83	276	24974	5.34	ng	# 81
87) Benzo(b)fluoranthene	14.43	252	80213	10.62	ng	# 88
88) Benzo(k)fluoranthene	14.43	252	80213	12.80	ng	# 89
89) Benzo(a)pyrene	14.71	252	46709	7.30	ng	# 87
91) Benzo(a,h,i)perylene	16.15	276	23854	5.06	ng	# 71

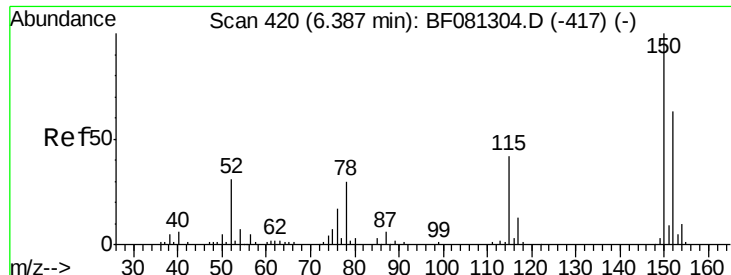
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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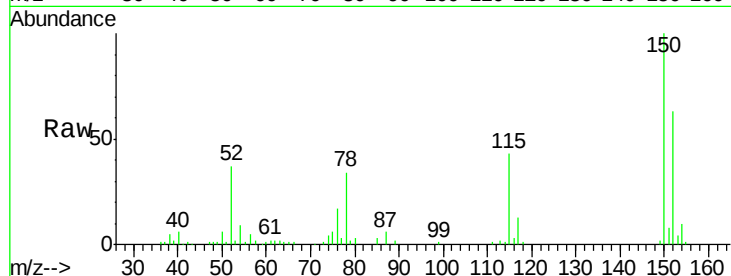


#1

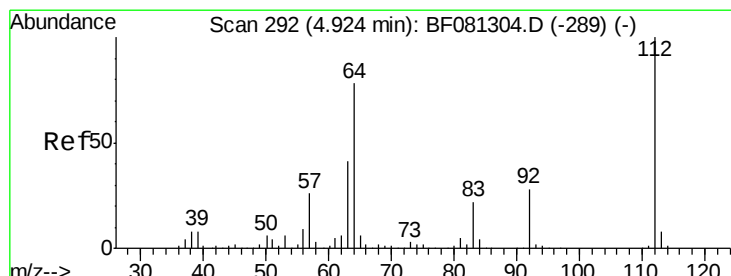
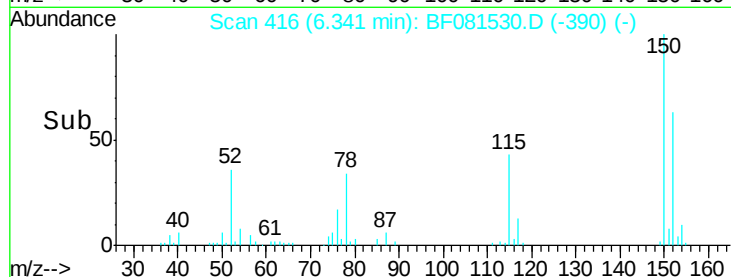
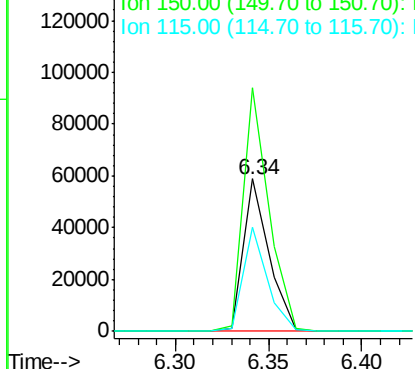
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF081530.D
Acq: 8 Sep 2015 19:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56046
Ion Ratio Lower Upper
152 100
150 159.6 124.7 187.1
115 67.9 39.0 58.4#



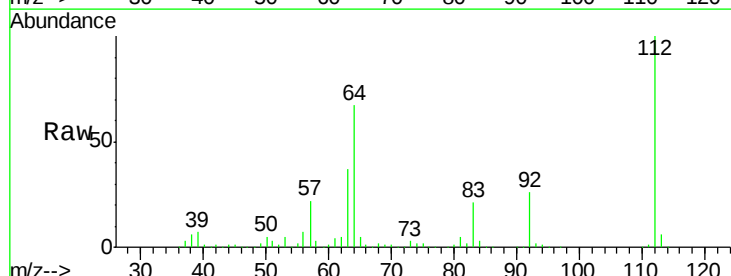
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



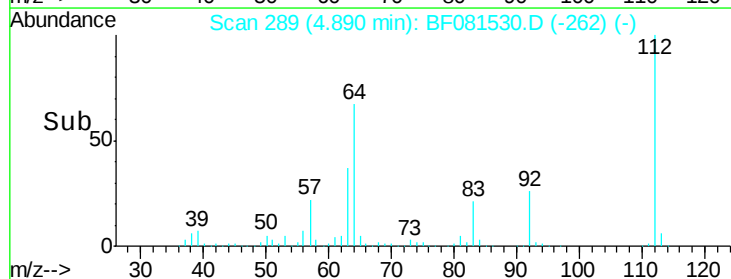
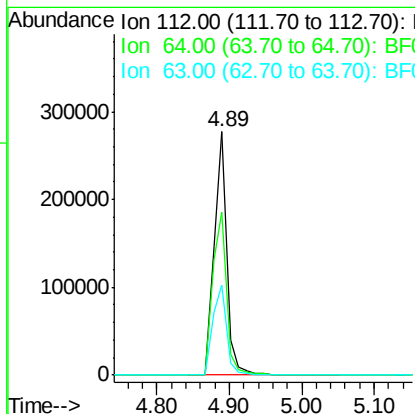
#5

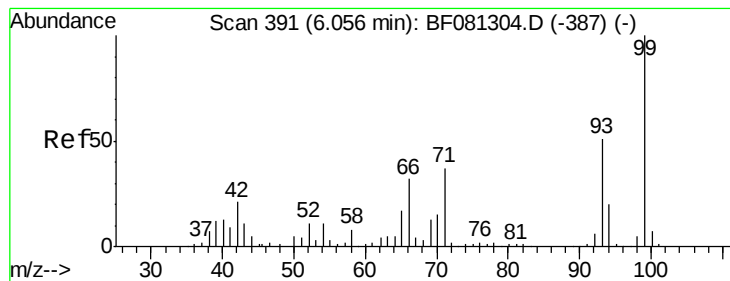
2-Fluorophenol
Concen: 92.23 ng
RT: 4.89 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF081530.D
Acq: 8 Sep 2015 19:18

Tgt Ion:112 Resp: 333162
Ion Ratio Lower Upper
112 100
64 66.8 39.7 59.5#
63 36.9 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.12 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

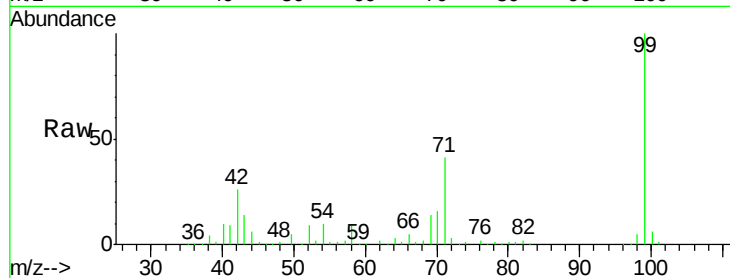
Tot Ion: 99 Resp: 450033

Ion Ratio Lower Upper

99 100

42 26.2 13.7 20.5#

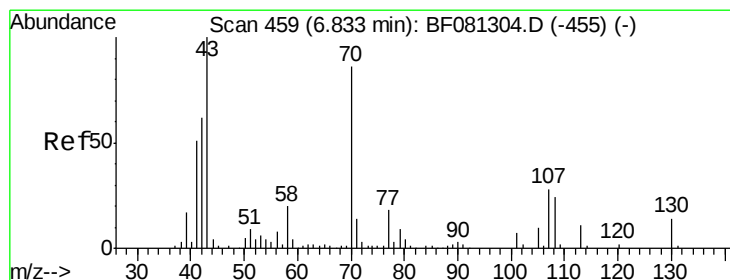
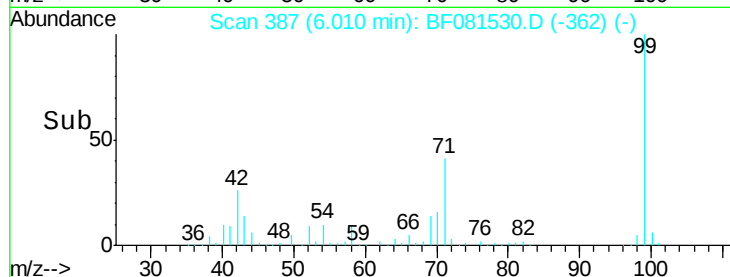
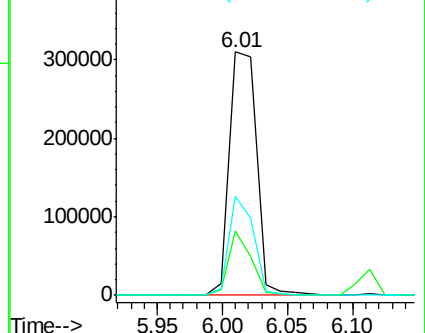
71 40.6 14.2 21.2#



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: 12.63 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Tgt Ion: 70 Resp: 41113

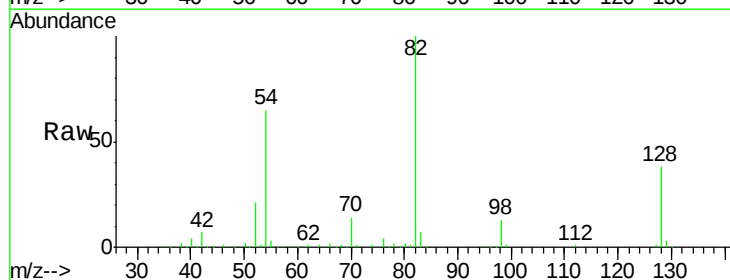
Ion Ratio Lower Upper

70 100

42 53.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

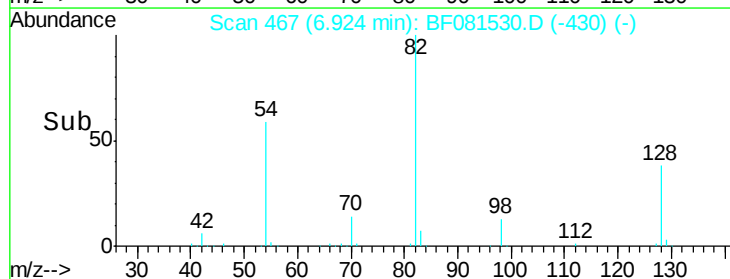
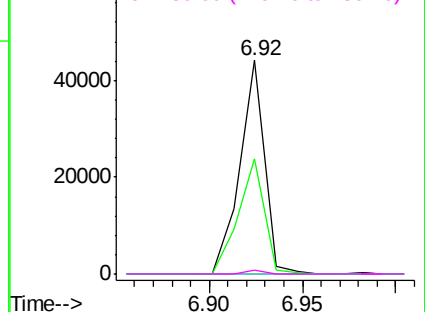


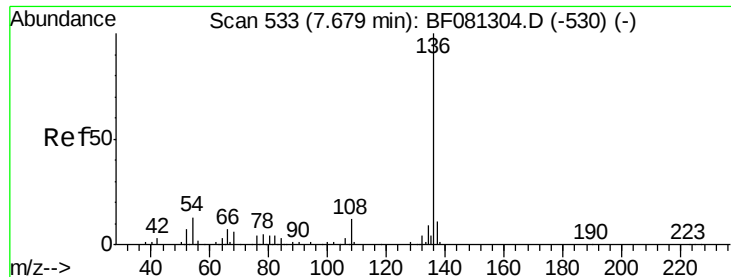
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081530.D

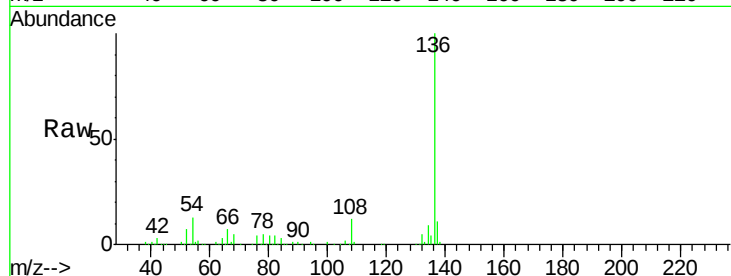
Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	216946
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	12.6	8.2 12.2#
68	5.3	5.8 8.6#

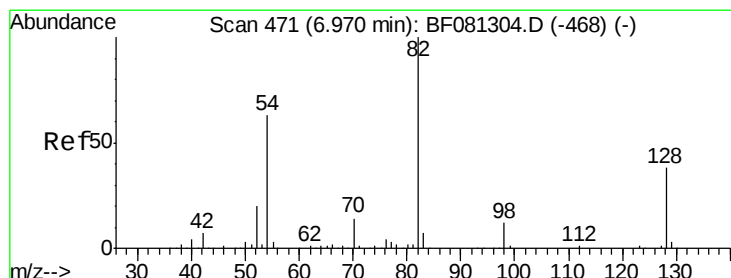
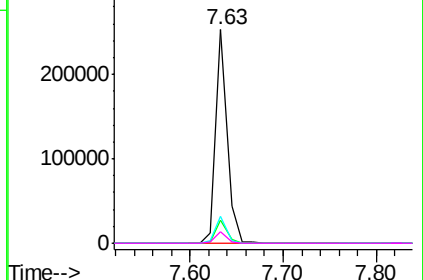
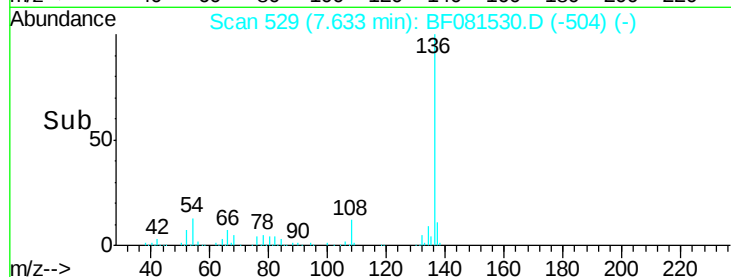


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.67 ng

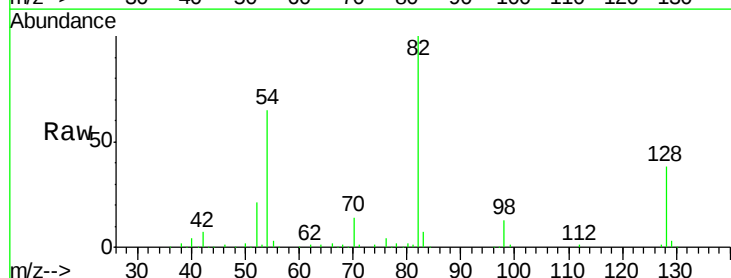
RT: 6.92 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

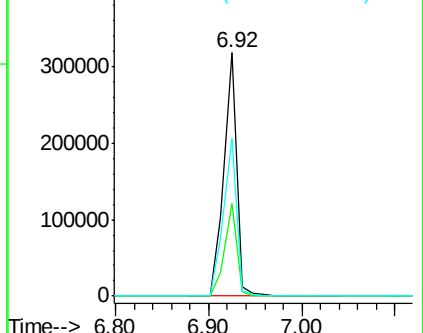
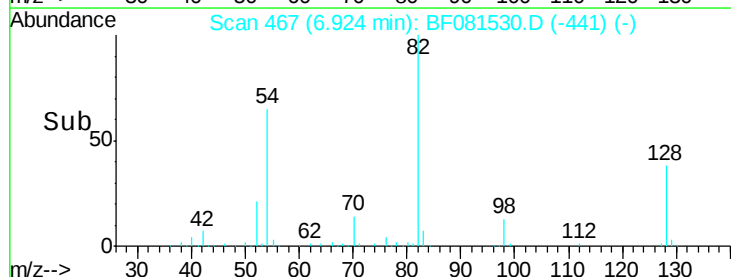
Tgt Ion: 82	Resp:	304271
Ion Ratio	Lower	Upper
82	100	
128	38.2	51.0 76.6#
54	65.1	47.5 71.3

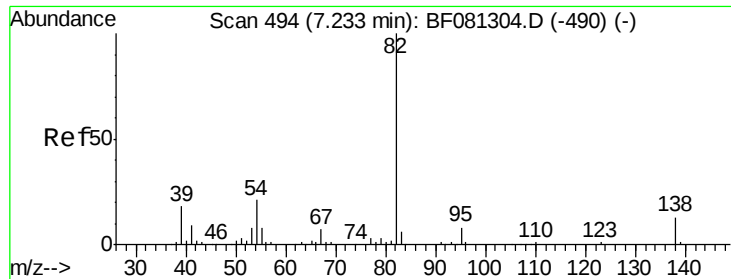


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.83 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.27 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

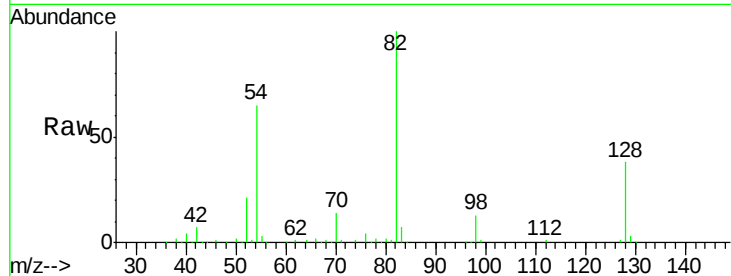
Tot Ion: 82 Resp: 232791

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#

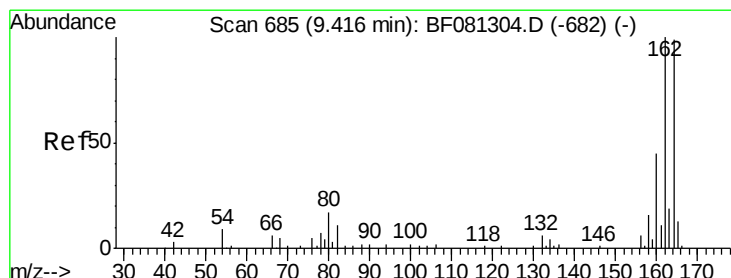
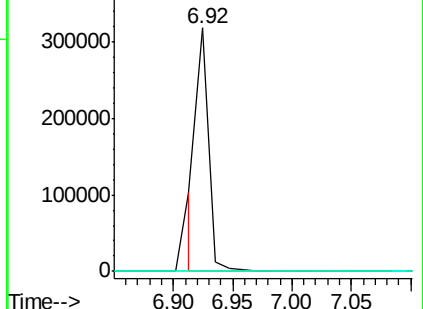
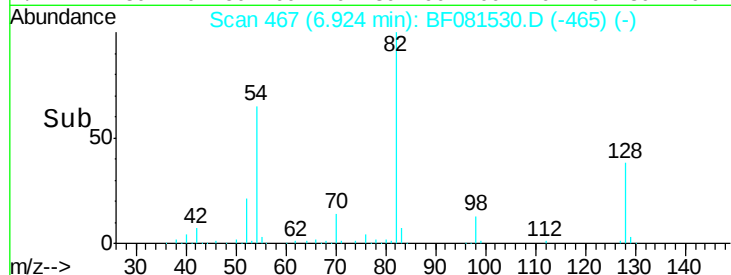


Abundance Ion 82.00 (81.70 to 82.70): BF081530.D (-467) (-)

Ion 95.00 (94.70 to 95.70): BF081530.D (-467) (-)

Ion 138.00 (137.70 to 138.70): BF081530.D (-467) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

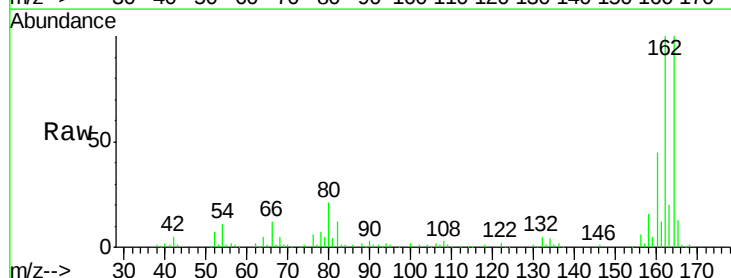
Tgt Ion: 164 Resp: 93998

Ion Ratio Lower Upper

164 100

162 99.7 75.2 112.8

160 45.3 31.5 47.3

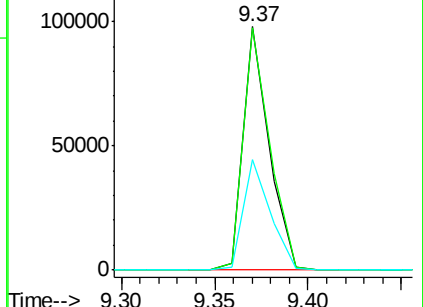
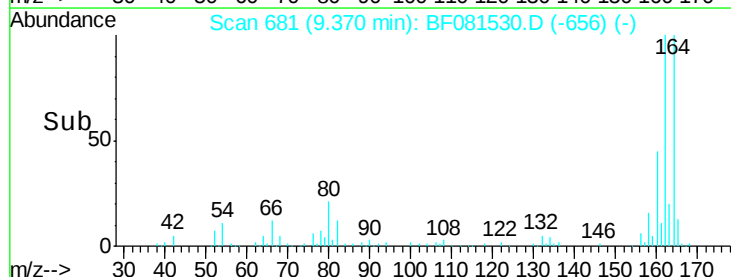


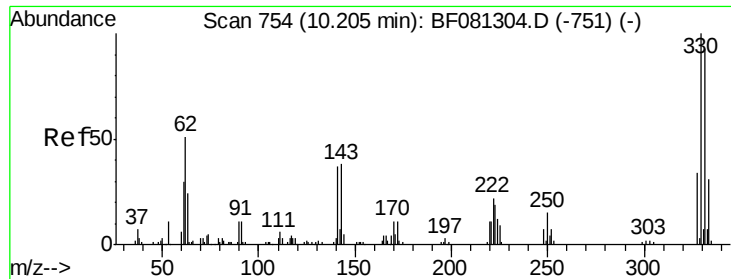
Abundance Ion 164.00 (163.70 to 164.70): BF081530.D (-656) (-)

Ion 162.00 (161.70 to 162.70): BF081530.D (-656) (-)

Ion 160.00 (159.70 to 160.70): BF081530.D (-656) (-)

Time-->

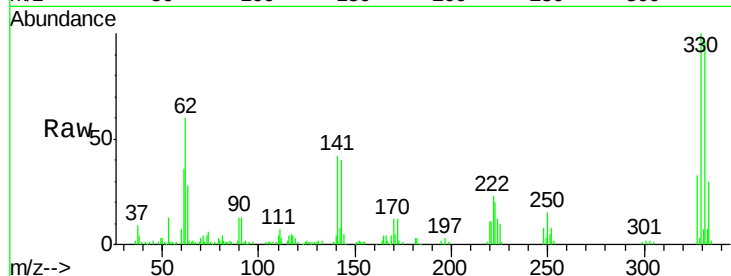




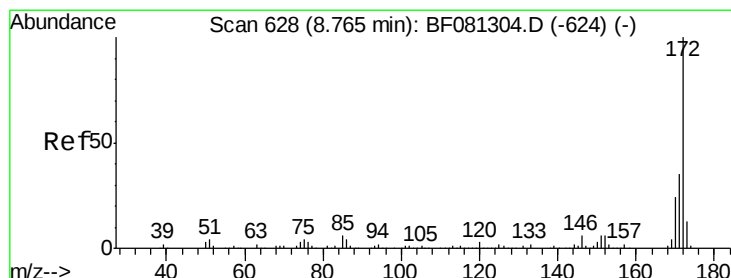
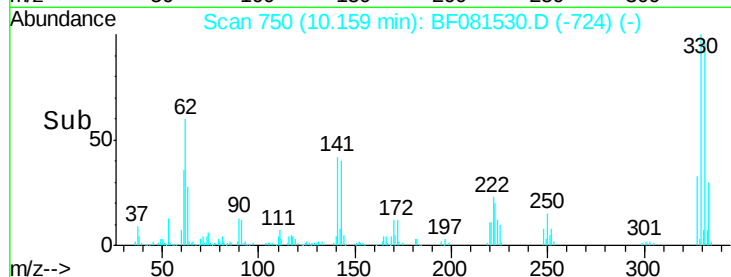
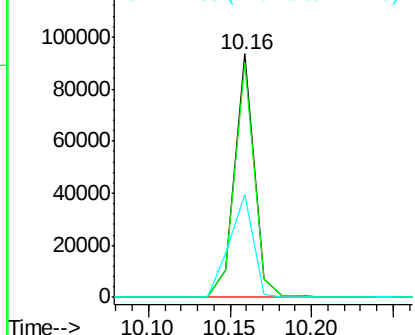
#41
 2,4,6-Tribromophenol
 Concen: 92.25 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 77207
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 114.8
 141 51.8 29.7 44.5#

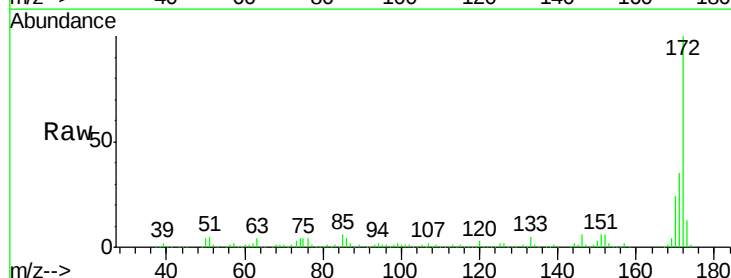


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

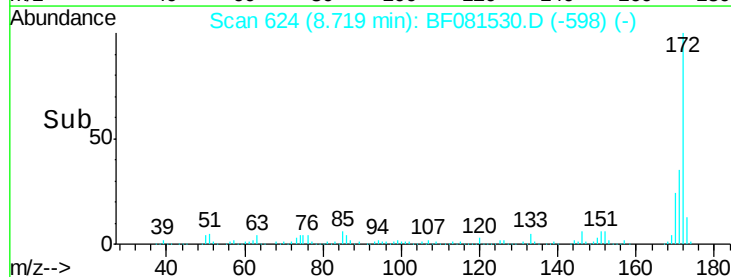
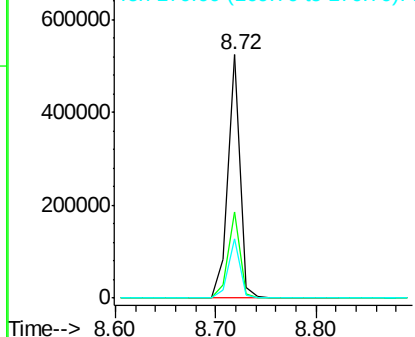


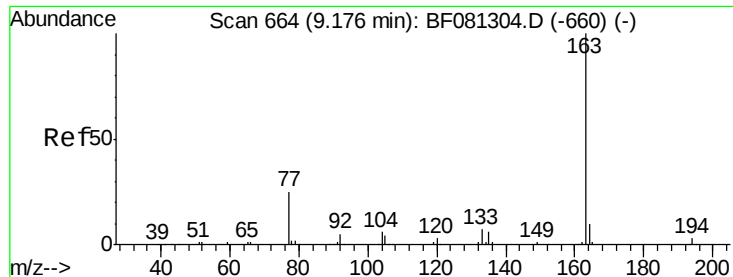
#44
 2-Fluorobiphenyl
 Concen: 59.73 ng
 RT: 8.72 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Tgt Ion:172 Resp: 438130
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.1 39.1
 170 24.2 17.4 26.2



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

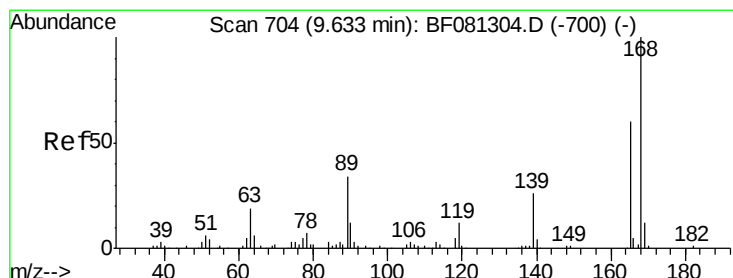
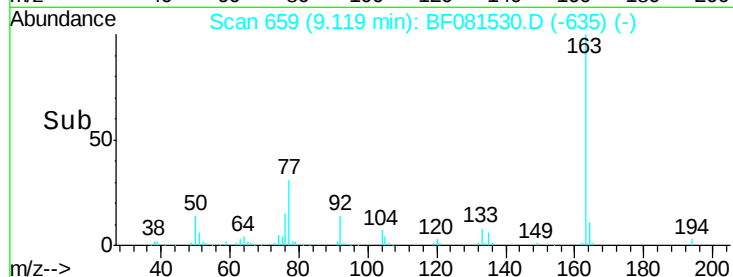
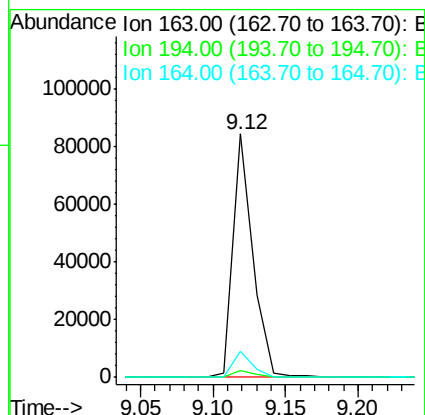
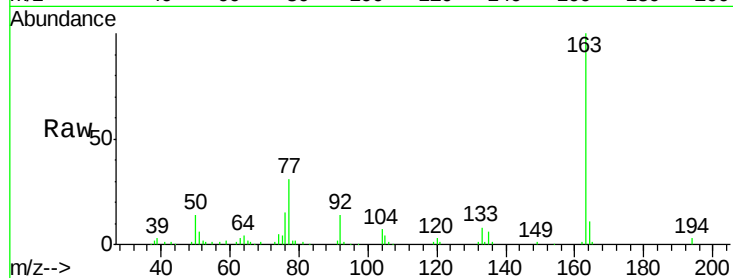




#49
Dimethylphthalate
Concen: 10.99 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081530.D
Acq: 8 Sep 2015 19:18

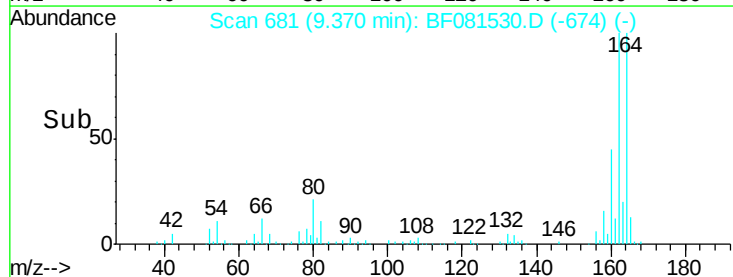
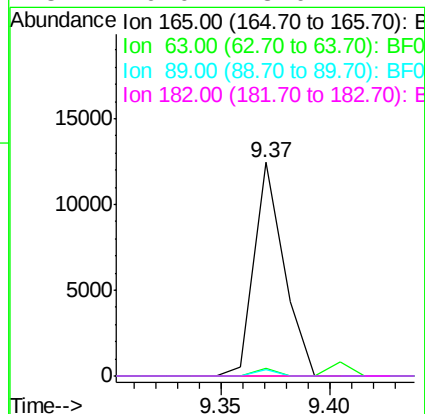
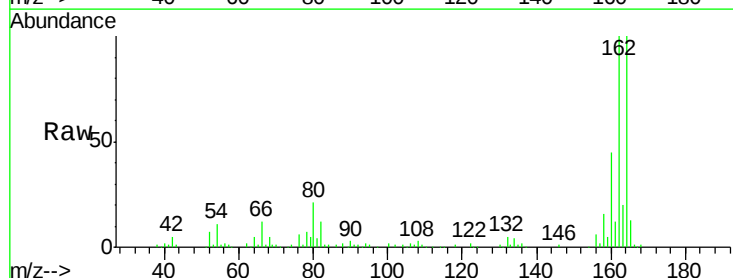
Instrument :
BNA_F
ClientSampleId :

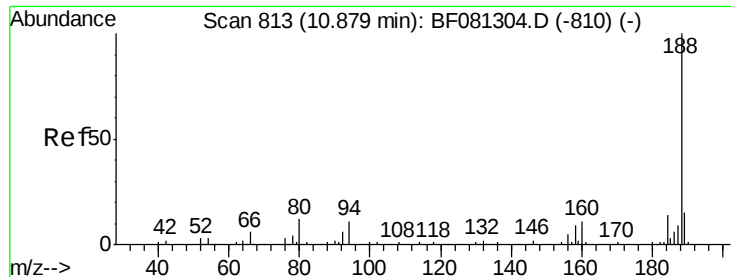
Tot Ion:163 Resp: 80274
Ion Ratio Lower Upper
163 100
194 2.9 4.4 6.6#
164 10.7 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 5.61 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.22 min
Lab File: BF081530.D
Acq: 8 Sep 2015 19:18

Tgt Ion:165 Resp: 11831
Ion Ratio Lower Upper
165 100
63 3.7 29.8 44.6#
89 2.9 44.5 66.7#
182 0.0 3.0 4.4#

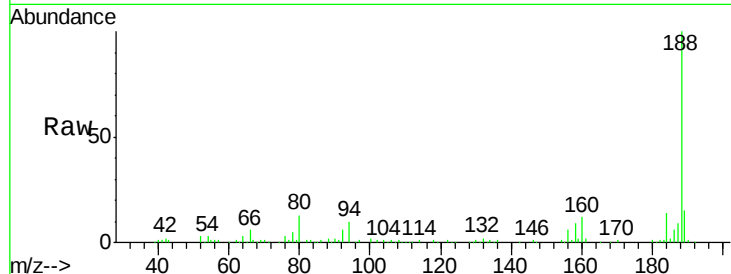




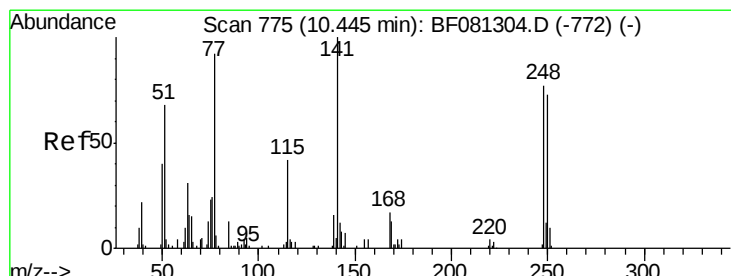
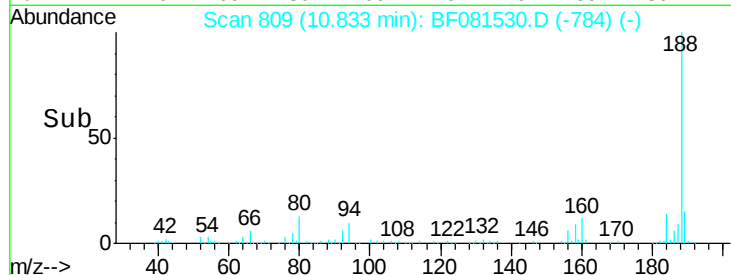
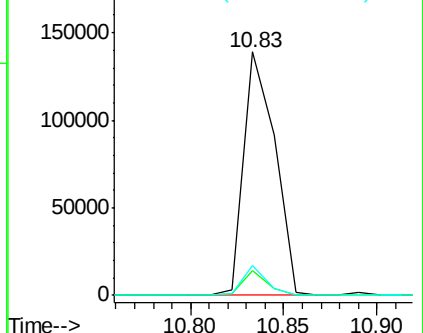
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 161569
 Ion Ratio Lower Upper
 188 100
 94 10.3 11.1 16.7#
 80 12.5 11.0 16.4

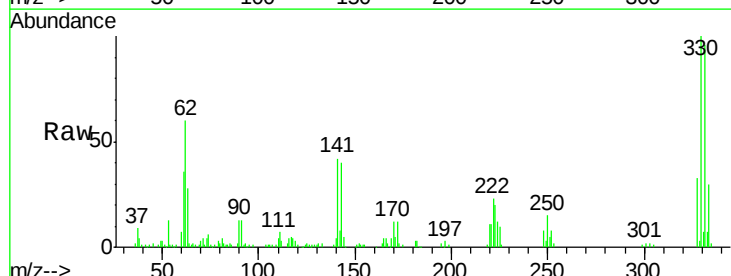


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

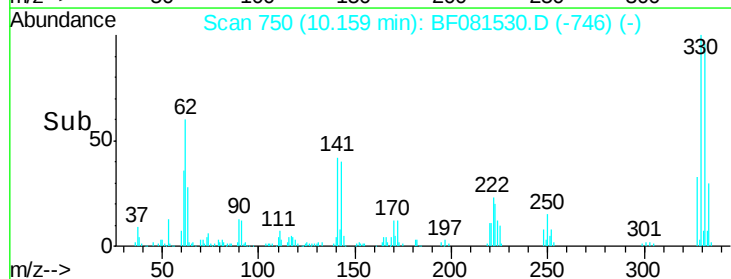
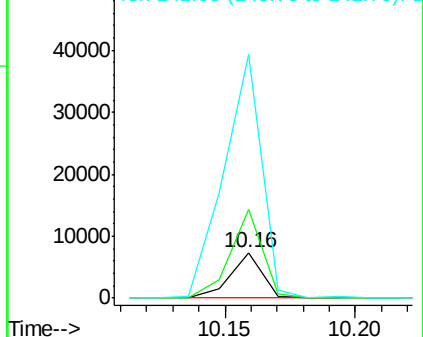


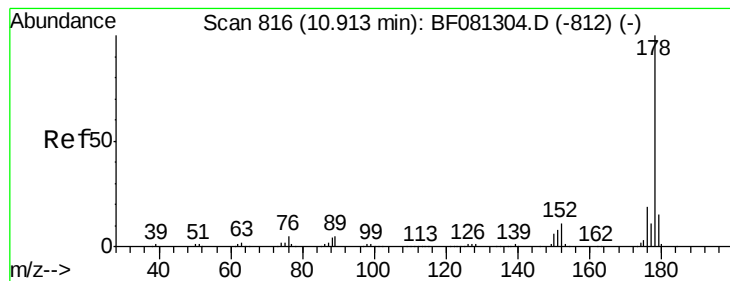
#66
 4-Bromophenyl-phenylether
 Concen: 3.84 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Tgt Ion:248 Resp: 6272
 Ion Ratio Lower Upper
 248 100
 250 194.9 78.5 117.7#
 141 533.5 59.0 88.6#



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: 9.45 ng

RT: 10.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampled :

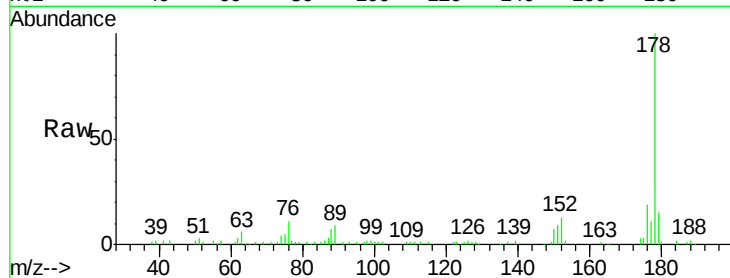
Tot Ion:178 Resp: 84921

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

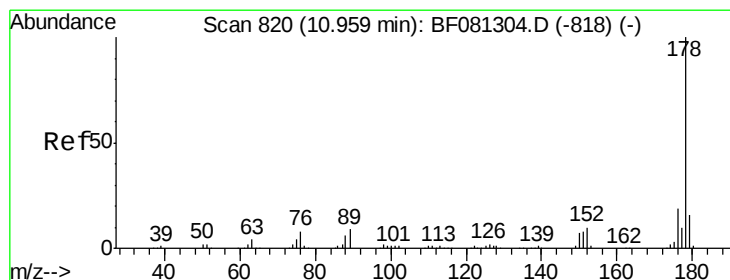
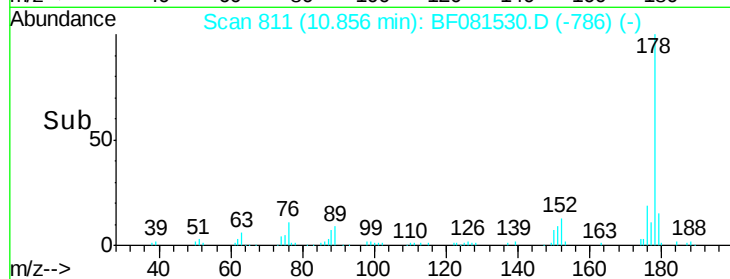
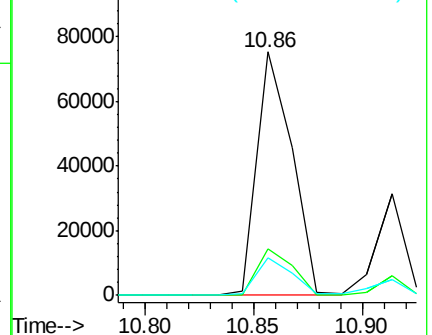
179 15.4 12.2 18.2



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



#71

Anthracene

Concen: 2.90 ng

RT: 10.91 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

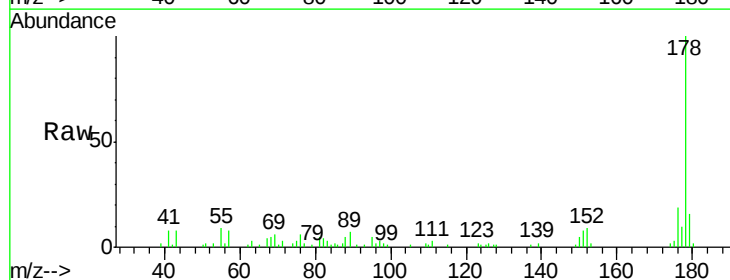
Tgt Ion:178 Resp: 26785

Ion Ratio Lower Upper

178 100

176 18.9 14.1 21.1

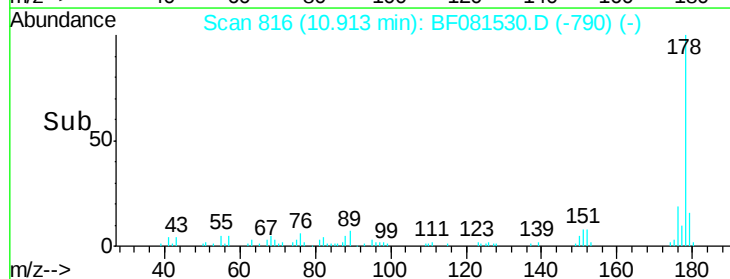
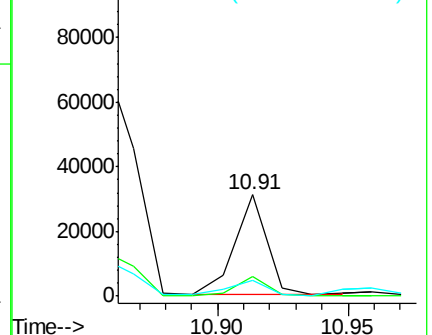
179 15.7 12.2 18.2

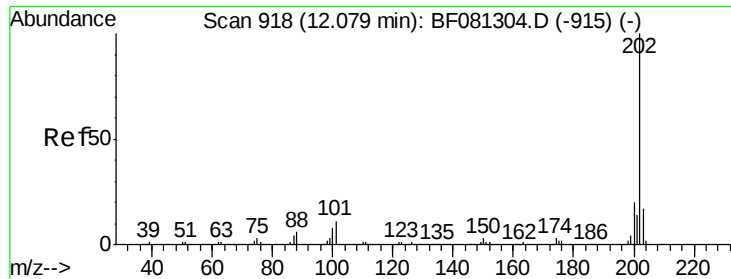


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.00 ng

RT: 12.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

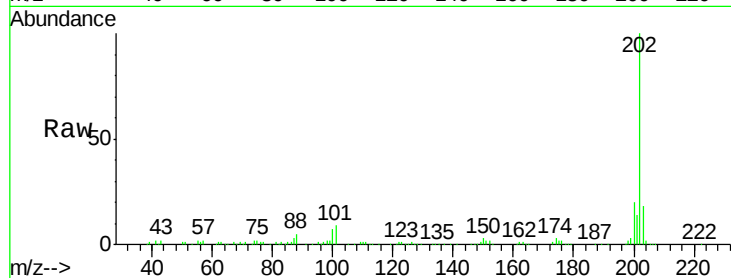
Tot Ion:202 Resp: 126414

Ion Ratio Lower Upper

202 100

101 8.8 0.0 38.3

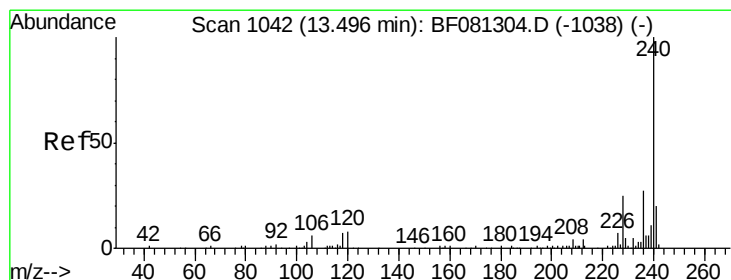
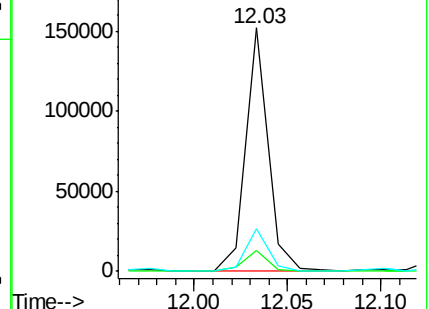
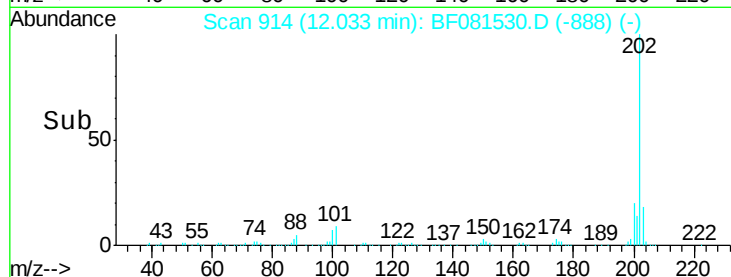
203 17.8 0.0 37.3



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: 13.45 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

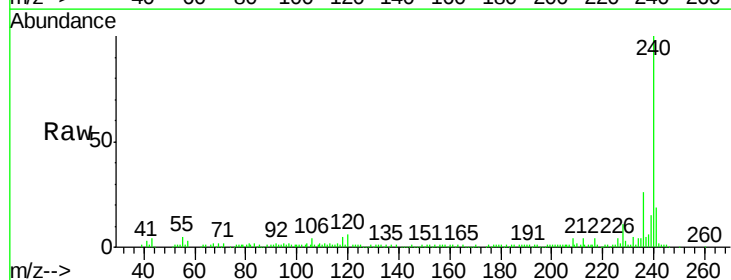
Tgt Ion:240 Resp: 111637

Ion Ratio Lower Upper

240 100

120 6.2 16.2 24.2#

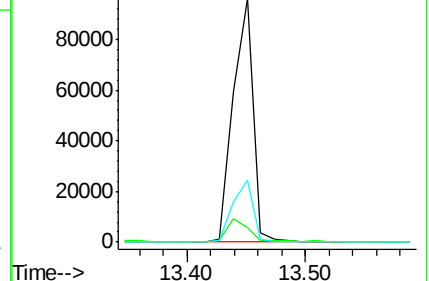
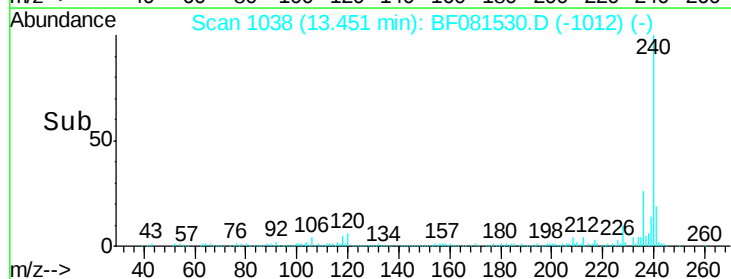
236 25.6 18.4 27.6

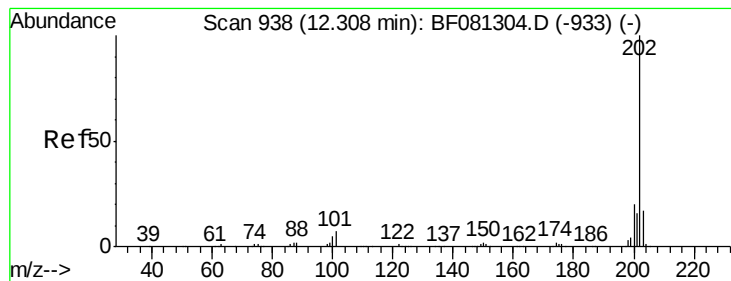


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.29 ng

RT: 12.03 min Scan# 914

Delta R.T. -0.23 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

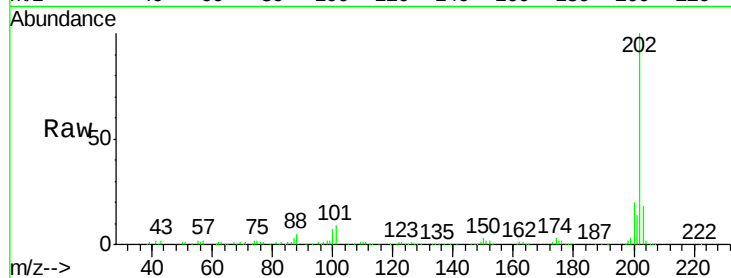
Tot Ion:202 Resp: 126414

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

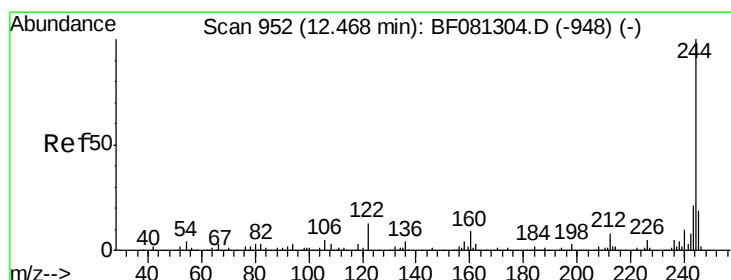
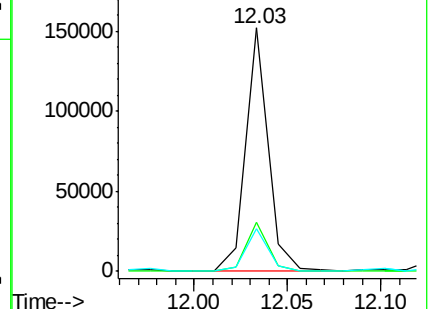
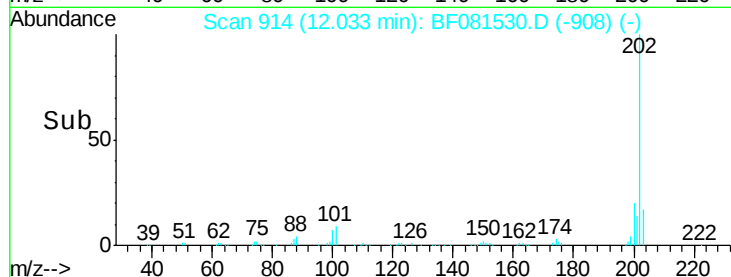
203 17.8 14.1 21.1



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: 54.02 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

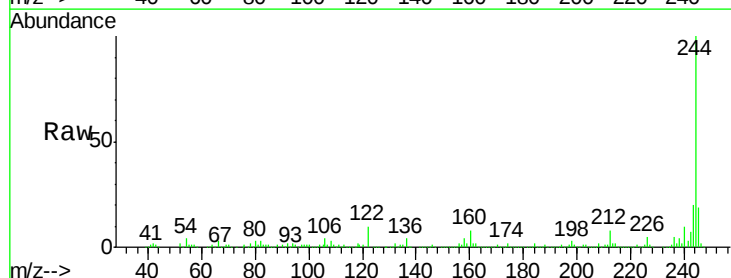
Tgt Ion:244 Resp: 259066

Ion Ratio Lower Upper

244 100

212 8.2 4.3 6.5#

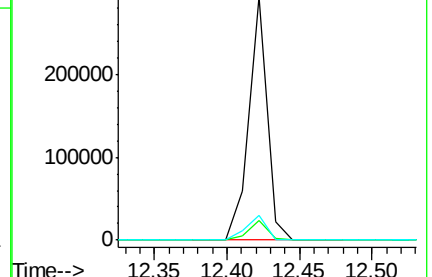
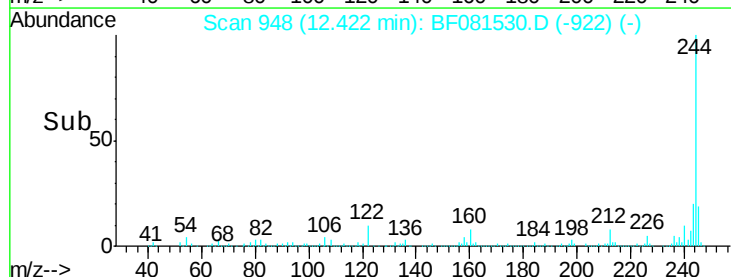
122 10.4 17.4 26.2#

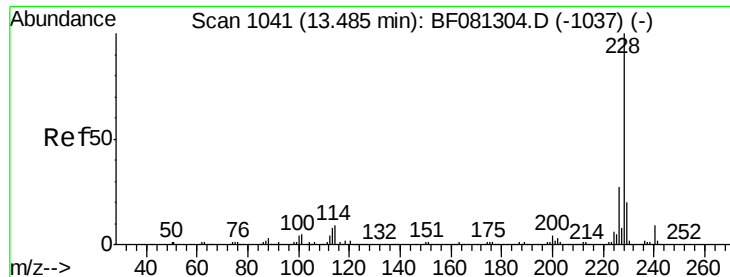


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.48 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

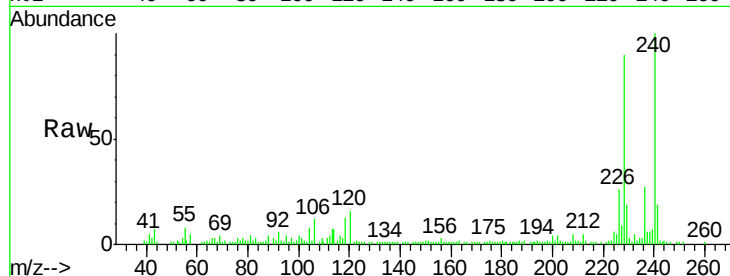
Tot Ion:228 Resp: 74537

Ion Ratio Lower Upper

228 100

226 28.7 20.0 30.0

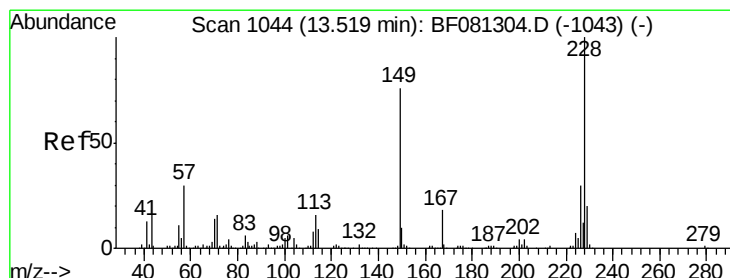
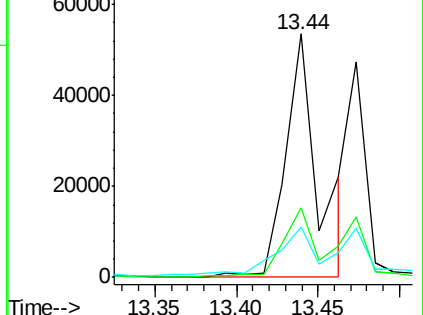
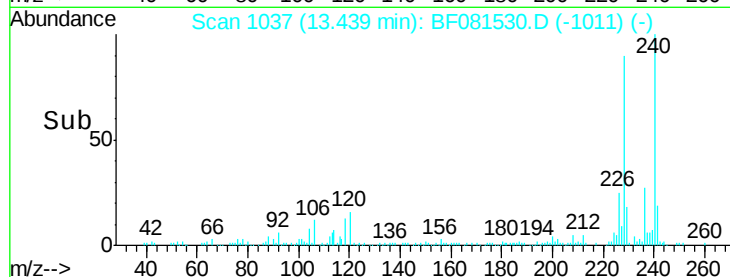
229 20.6 15.4 23.2



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



#82

Chrysene

Concen: 11.70 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

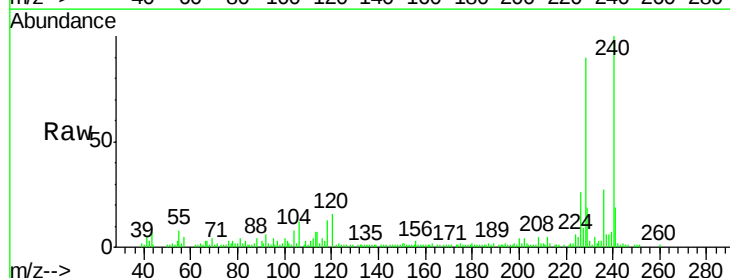
Tgt Ion:228 Resp: 74537

Ion Ratio Lower Upper

228 100

226 28.7 21.0 31.4

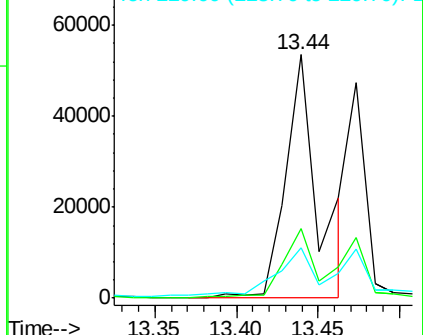
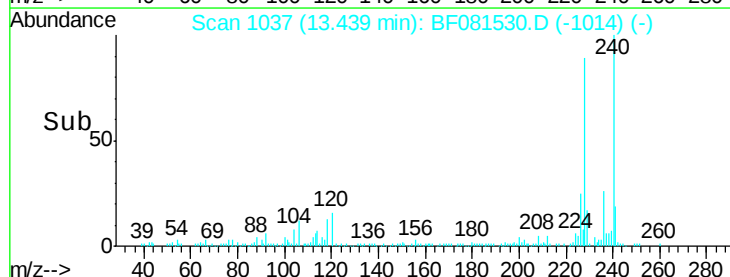
229 20.6 15.6 23.4

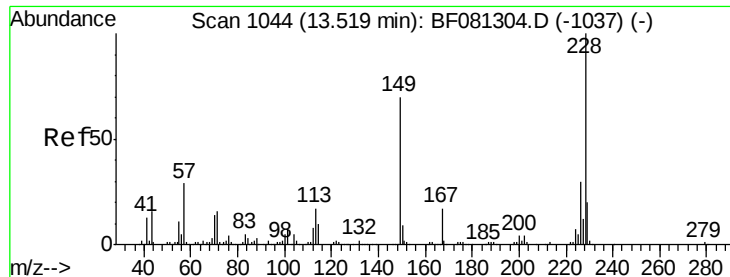


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

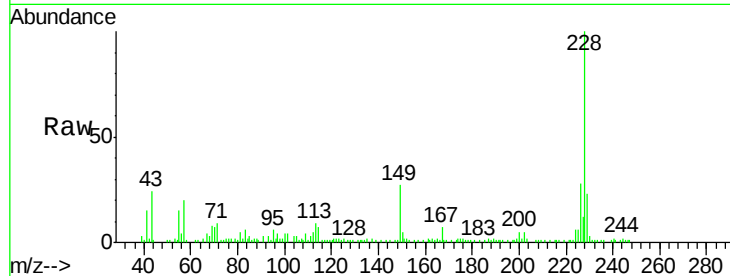




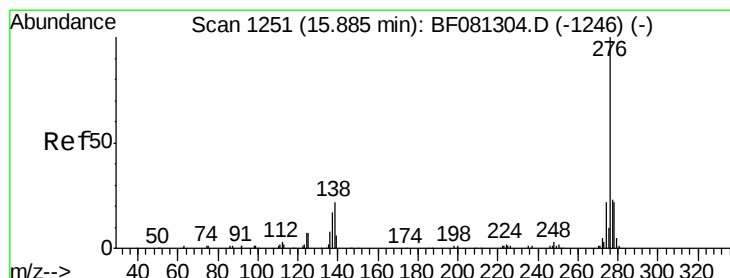
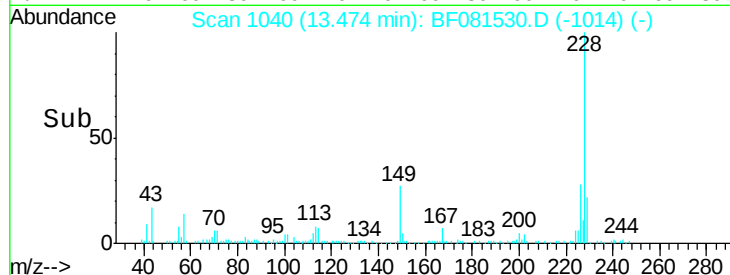
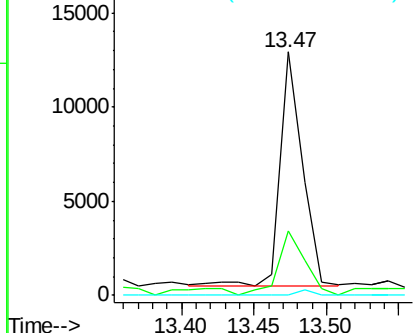
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.79 ng
 RT: 13.47 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 13218
 Ion Ratio Lower Upper
 149 100
 167 26.5 24.2 36.2
 279 0.0 3.8 5.6#

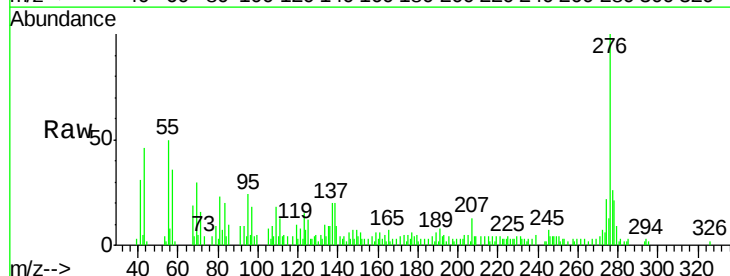


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

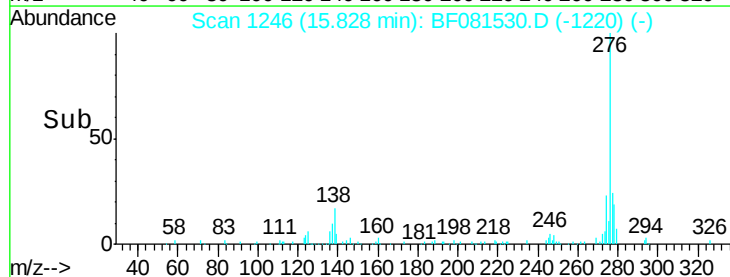
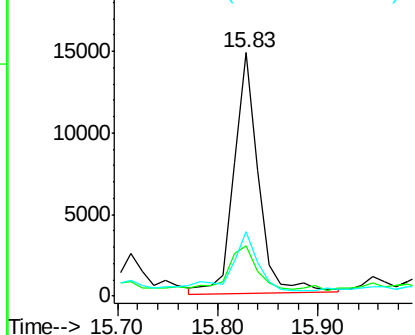


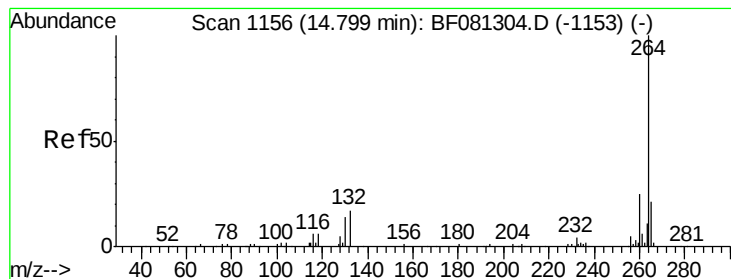
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.34 ng
 RT: 15.83 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Tgt Ion:276 Resp: 24974
 Ion Ratio Lower Upper
 276 100
 138 20.1 25.7 38.5#
 277 25.8 15.6 23.4#



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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

Instrument :

BNA_F

ClientSampleId :

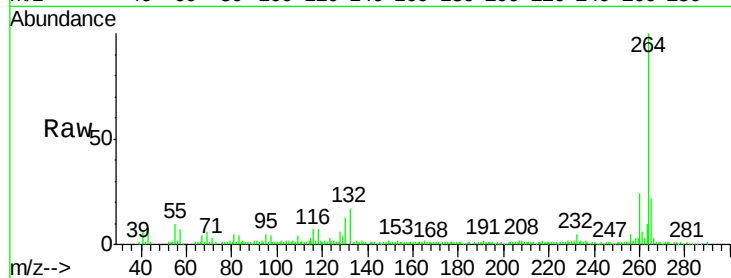
Tot Ion:264 Resp: 105764

Ion Ratio Lower Upper

264 100

260 23.6 16.7 25.1

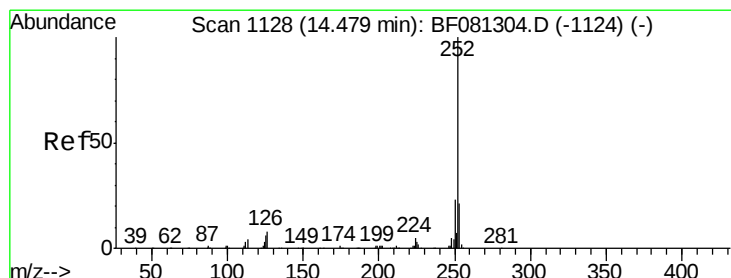
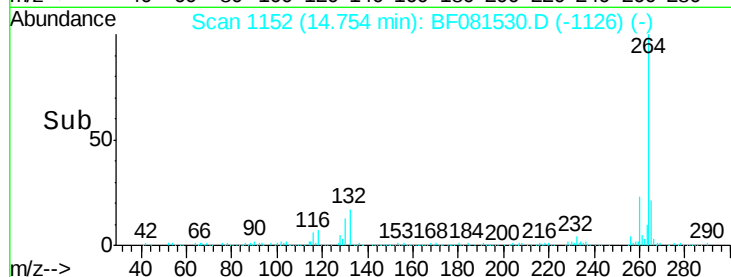
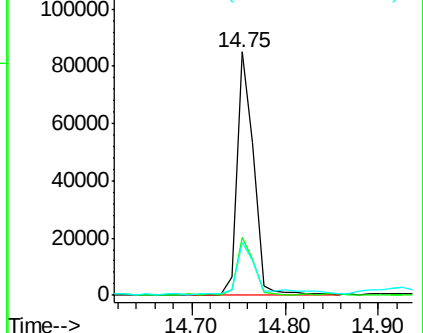
265 21.8 17.2 25.8



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: 10.62 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF081530.D

Acq: 8 Sep 2015 19:18

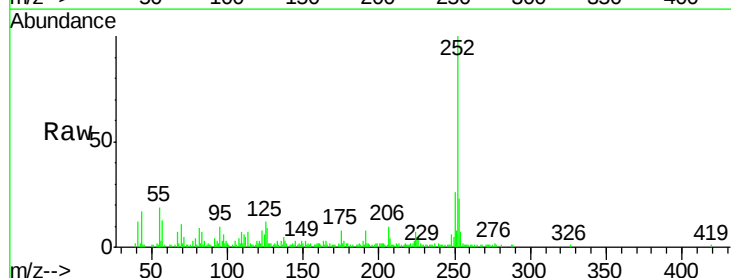
Tgt Ion:252 Resp: 80213

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

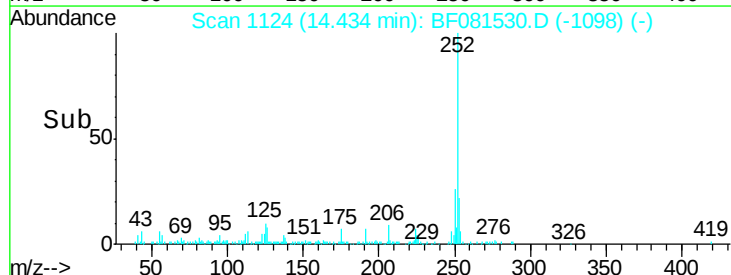
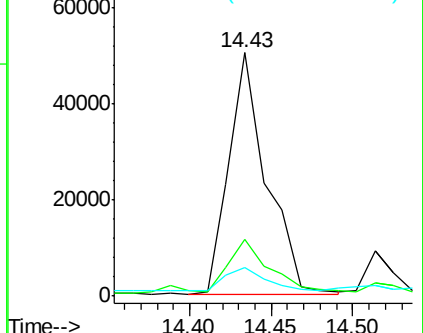
125 11.9 17.1 25.7#

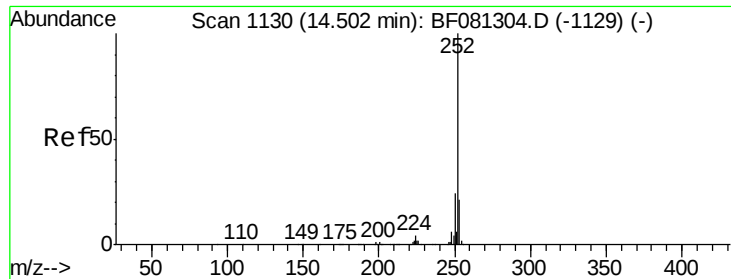


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

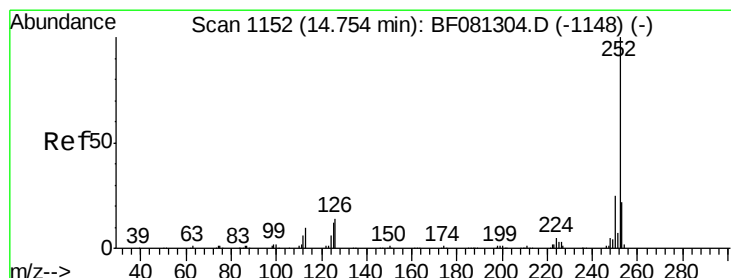
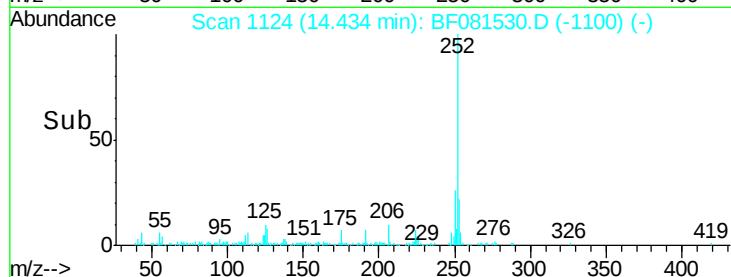
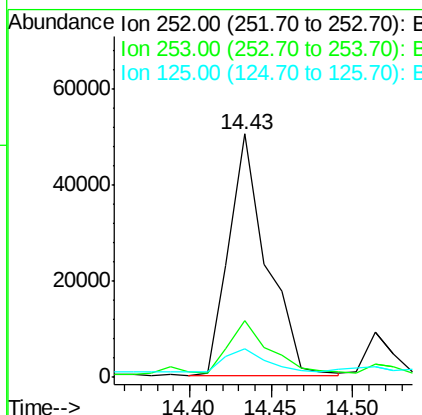
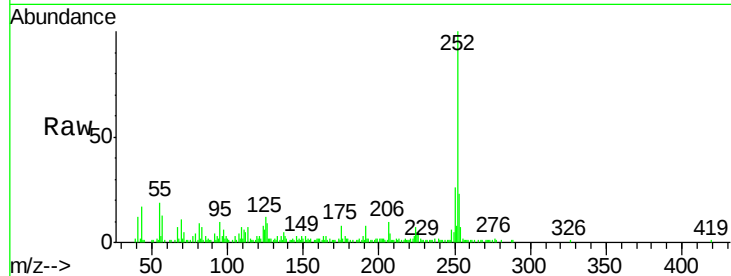




#88
Benzo(k)fluoranthene
Concen: 12.80 ng
RT: 14.43 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF081530.D
Acq: 8 Sep 2015 19:18

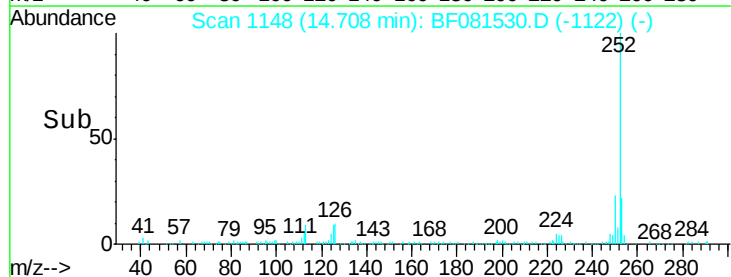
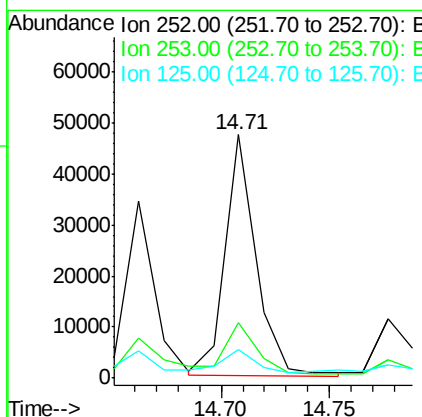
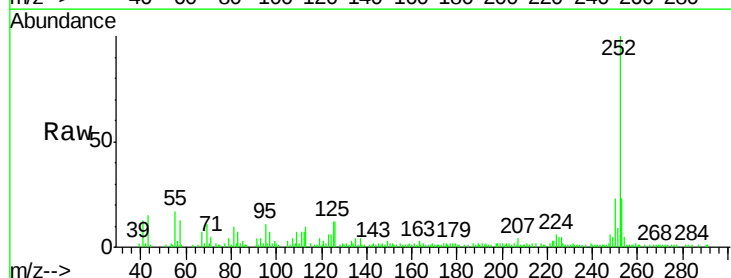
Instrument :
BNA_F
ClientSampleId :

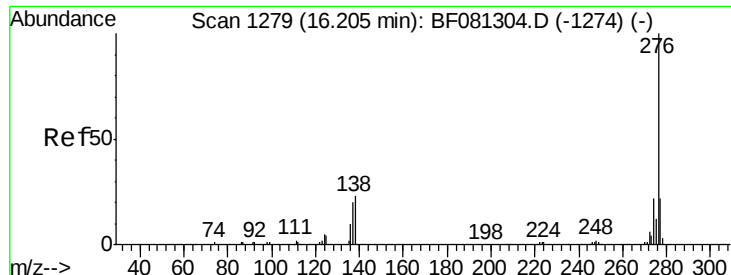
Tot Ion:252 Resp: 80213
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.4
125 11.9 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 7.30 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF081530.D
Acq: 8 Sep 2015 19:18

Tgt Ion:252 Resp: 46709
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 12.0 18.0 27.0#

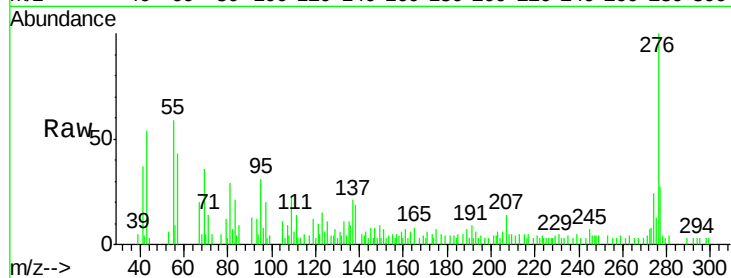




#91
 Benzo(a,h,i)perylene
 Concen: 5.06 ng
 RT: 16.15 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BF081530.D
 Acq: 8 Sep 2015 19:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 23854
 Ion Ratio Lower Upper
 276 100
 277 26.8 17.8 26.6#
 138 18.7 34.6 51.8#



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

