

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083494.D
 Acq On : 4 Dec 2015 8:33
 Operator : UM/IZ
 Sample : G4617-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 09:44:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

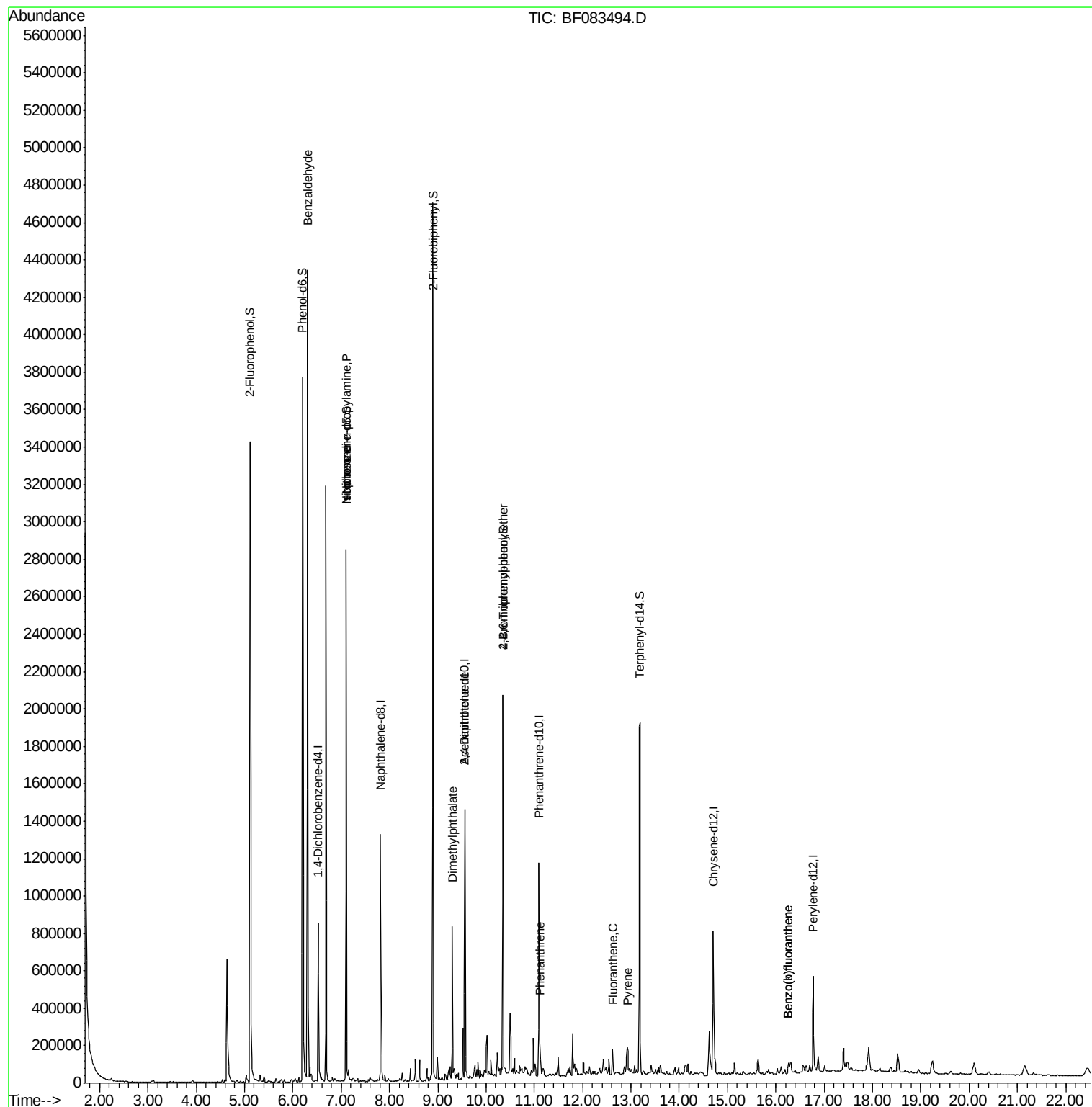
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	162670	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	609058	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	291005	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	439714	20.00	ng	-0.03
75) Chrysene-d12	14.71	240	357693	20.00	ng	-0.06
86) Perylene-d12	16.77	264	288601	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1099953	101.47	ng	-0.01
7) Phenol-d6	6.20	99	1400915	94.41	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1025422	74.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	242411	82.98	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1452038	71.11	ng	-0.02
78) Terphenyl-d14	13.19	244	999274	66.62	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.30	77	29536	2.33	ng	82
19) n-Nitroso-di-n-propylamine	7.10	70	139719	13.17	ng	# 80
25) Isophorone	7.10	82	769079	28.66	ng	# 70
49) Dimethylphthalate	9.30	163	318167	13.45	ng	98
56) 2,4-Dinitrotoluene	9.56	165	40199	6.27	ng	# 6
66) 4-Bromophenyl-phenylether	10.35	248	17128	3.56	ng	# 1
70) Phenanthrene	11.12	178	78394	3.01	ng	98
74) Fluoranthene	12.63	202	87677	3.25	ng	92
77) Pyrene	12.93	202	75870	3.04	ng	97
87) Benzo(b)fluoranthene	16.26	252	52395	2.83	ng	# 92
88) Benzo(k)fluoranthene	16.26	252	52395	3.00	ng	# 91

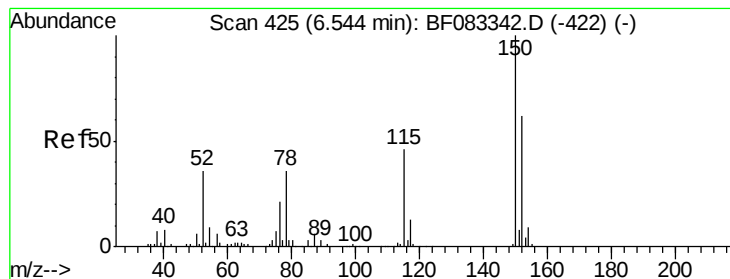
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampled :

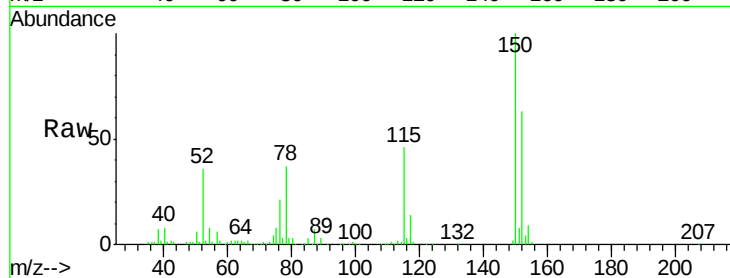
Tot Ion:152 Resp: 162670

Ion Ratio Lower Upper

152 100

150 159.9 129.8 194.8

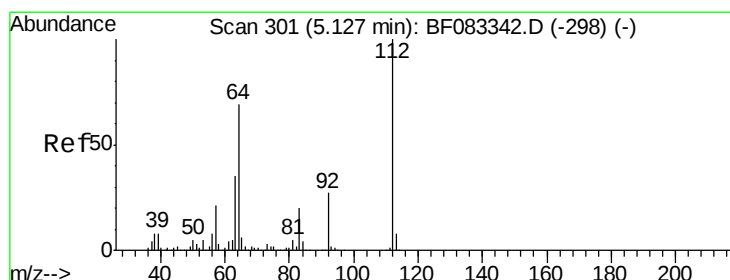
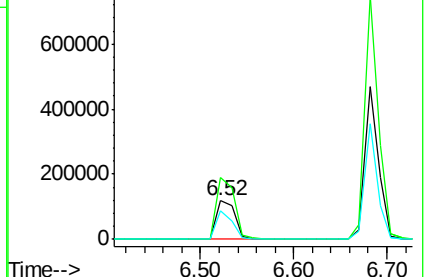
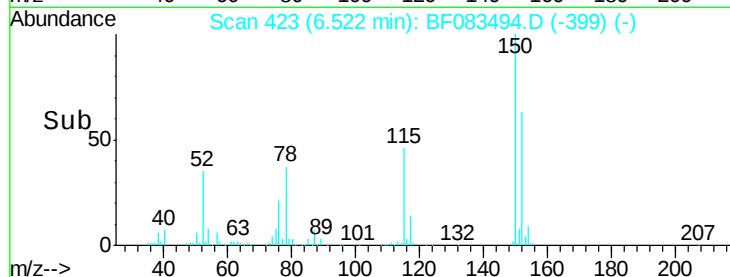
115 74.0 59.2 88.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 101.47 ng

RT: 5.12 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

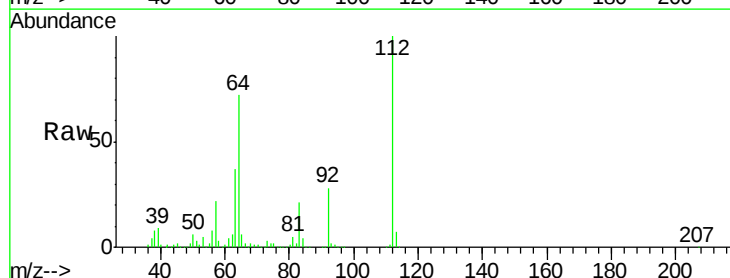
Tgt Ion:112 Resp: 1099953

Ion Ratio Lower Upper

112 100

64 72.4 55.6 83.4

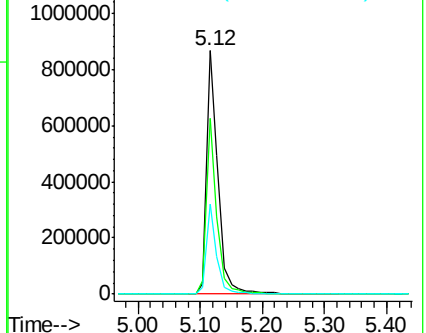
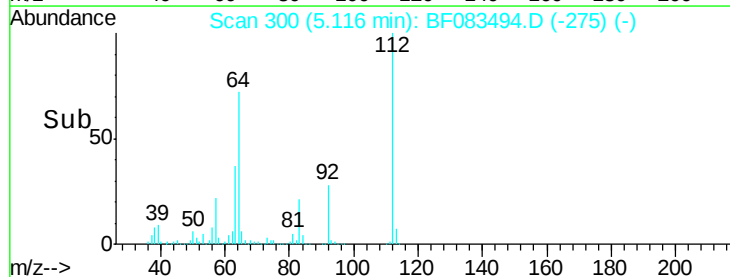
63 37.1 28.2 42.2

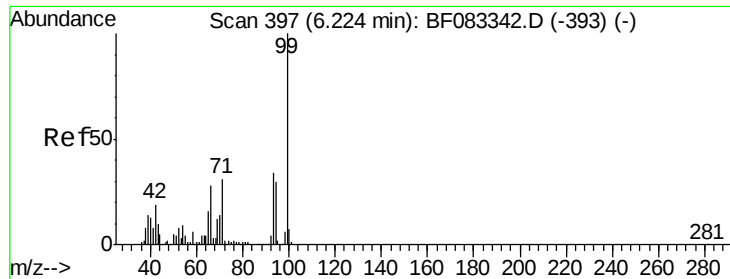


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.41 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

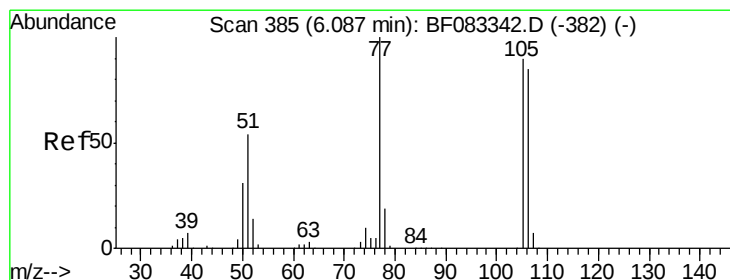
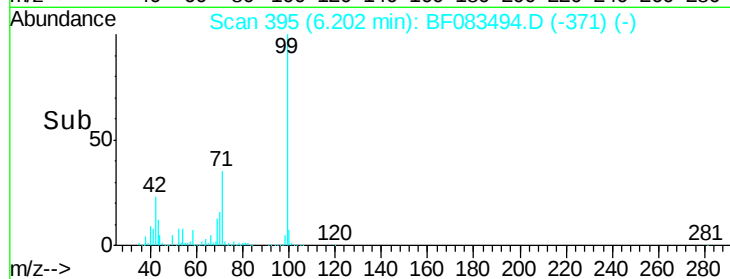
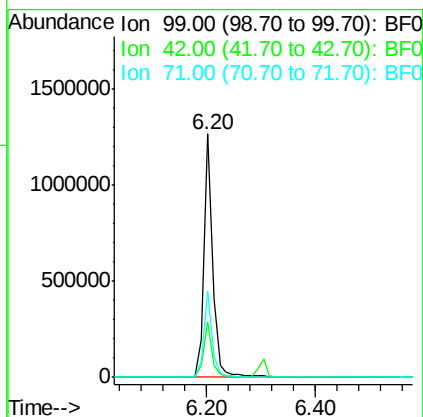
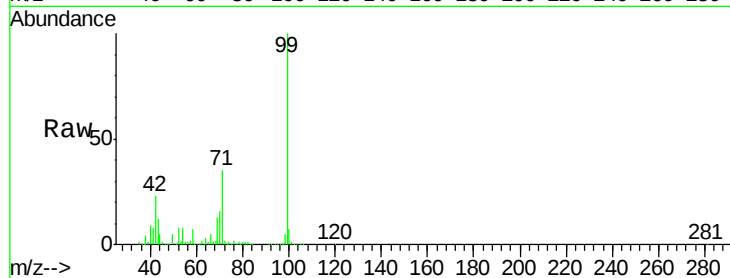
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1400915

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.9	22.3#
71	35.2	24.7	37.1



#9

Benzaldehyde

Concen: 2.33 ng

RT: 6.30 min Scan# 404

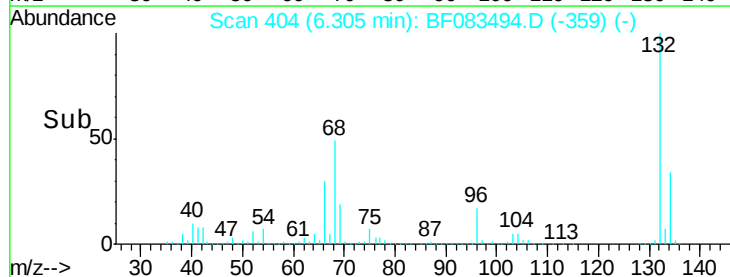
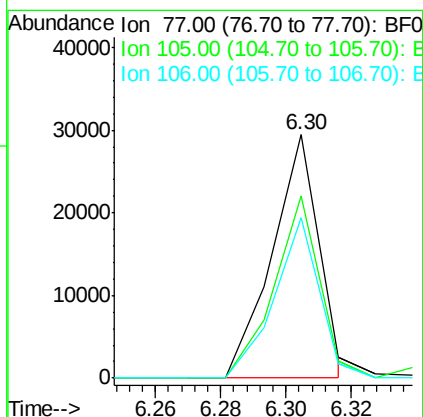
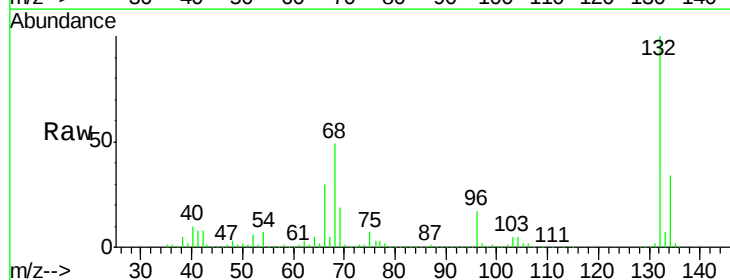
Delta R.T. 0.22 min

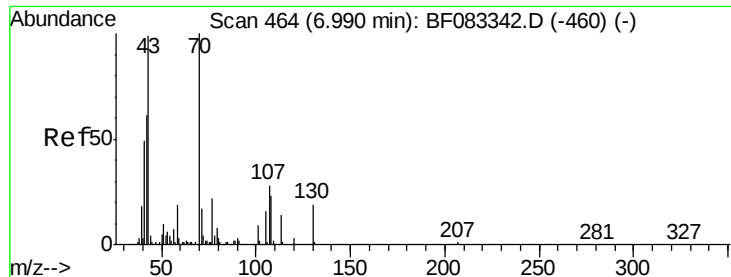
Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Tgt Ion: 77 Resp: 29536

Ion	Ratio	Lower	Upper
77	100		
105	75.0	70.0	110.0
106	65.8	65.0	105.0





#19

n-Nitroso-di-n-propylamine

Concen: 13.17 ng

RT: 7.10 min Scan# 474

Delta R.T. 0.11 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 139719

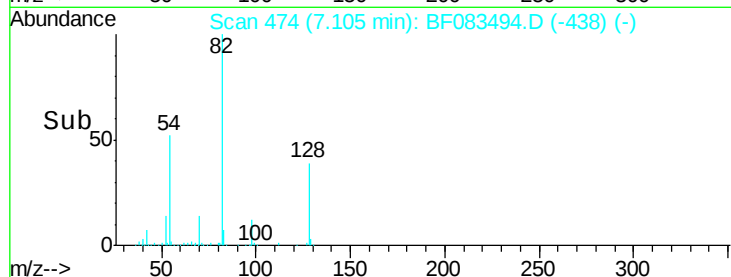
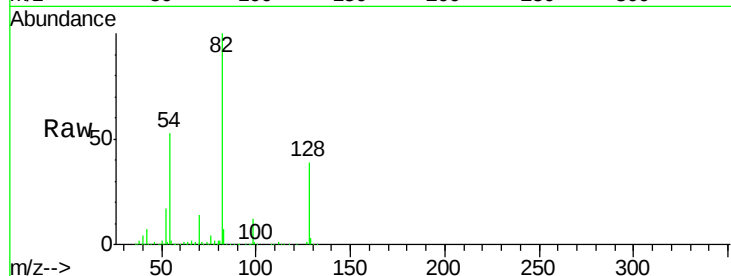
Ion Ratio Lower Upper

70 100

42 49.8 48.8 73.2

101 0.0 7.1 10.7#

130 2.0 15.0 22.6#

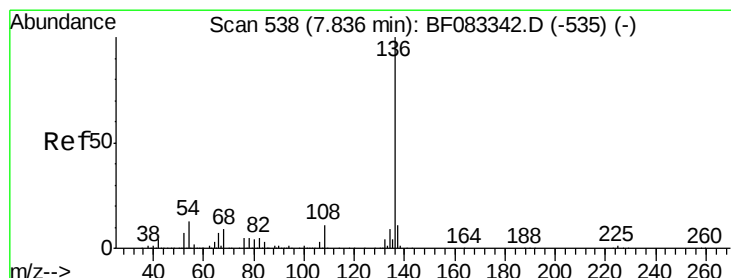
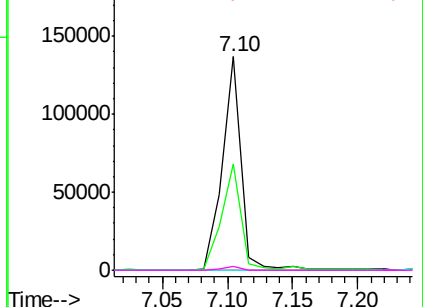


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Tgt Ion: 136 Resp: 609058

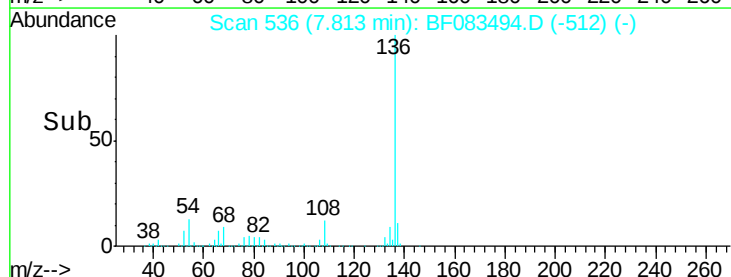
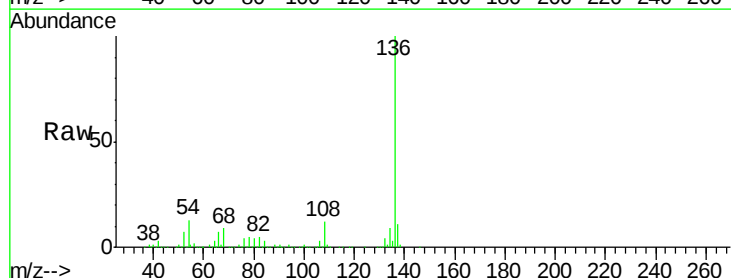
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 12.5 10.1 15.1

68 8.7 7.1 10.7

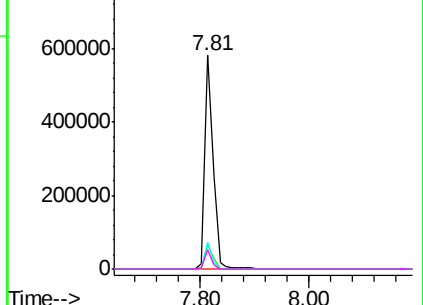


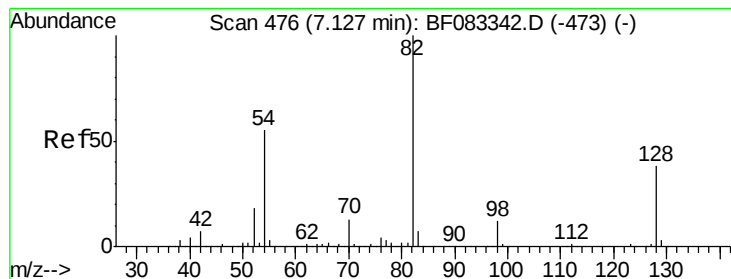
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 74.01 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampleId :

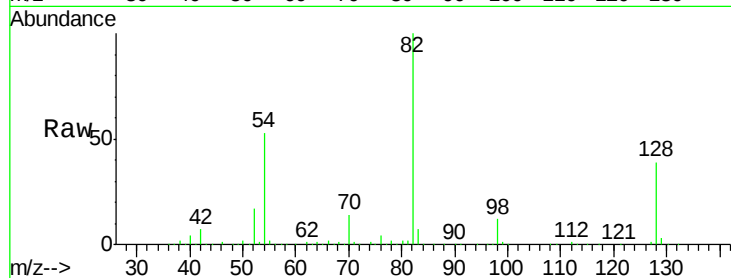
Tot Ion: 82 Resp: 1025422

Ion Ratio Lower Upper

82 100

128 39.2 30.6 46.0

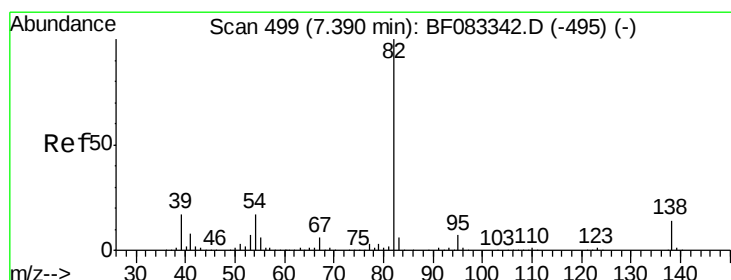
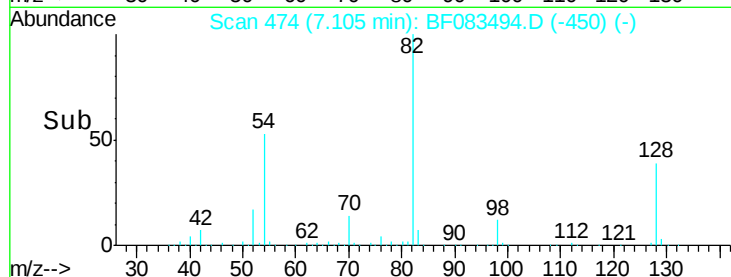
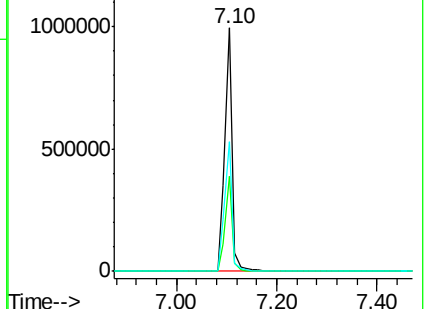
54 53.3 43.8 65.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 28.66 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.29 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

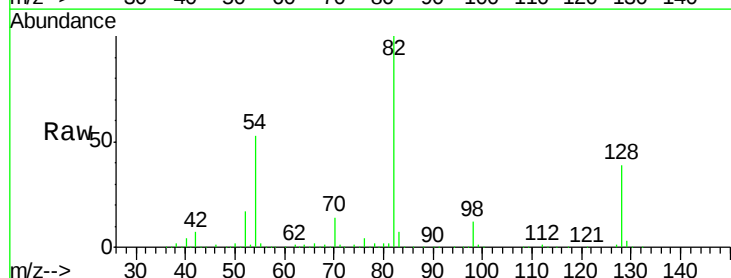
Tgt Ion: 82 Resp: 769079

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

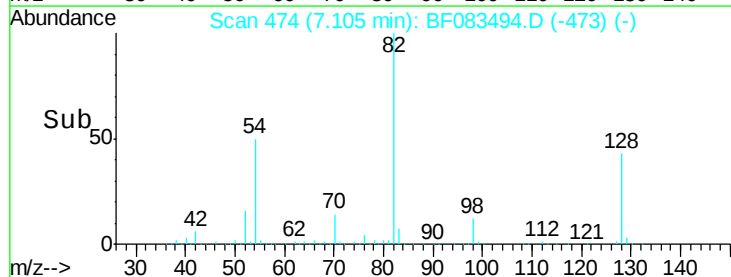
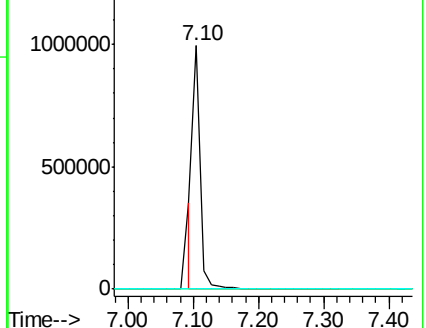
138 0.0 11.6 17.4#

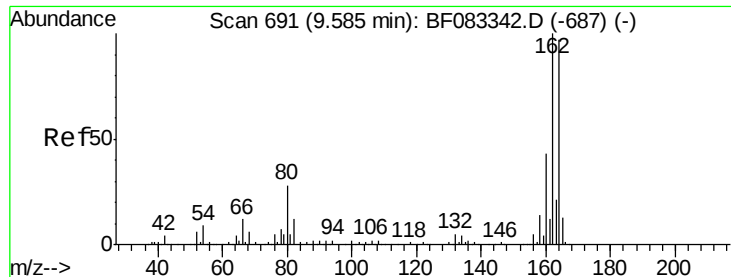


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

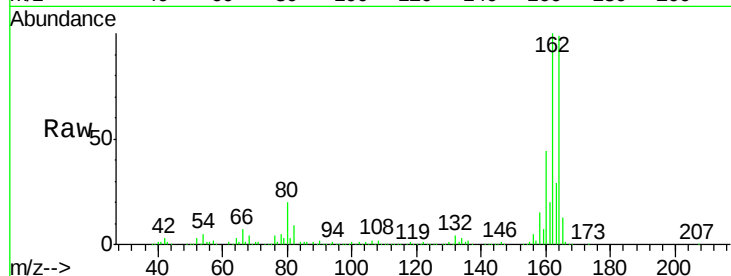




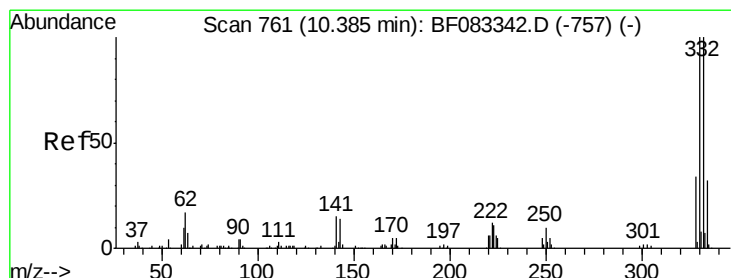
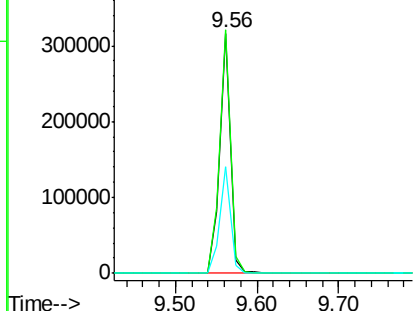
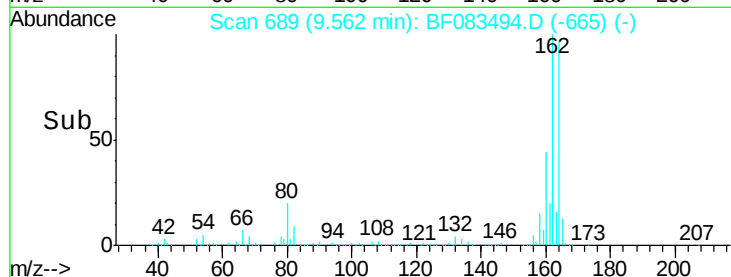
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 291005
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 44.4 35.3 52.9

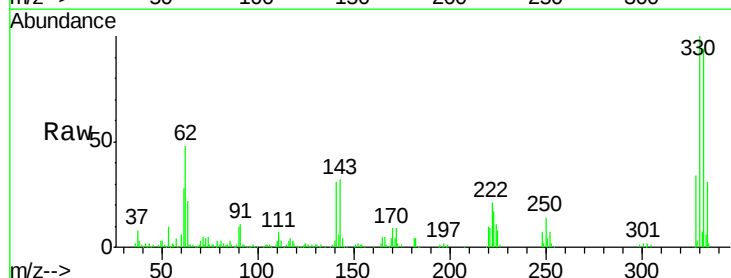


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

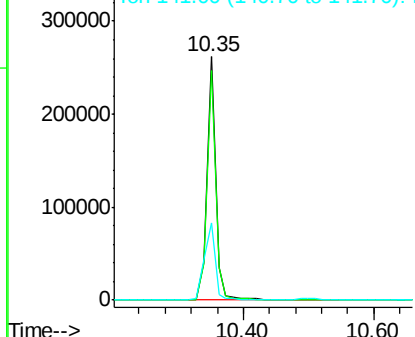
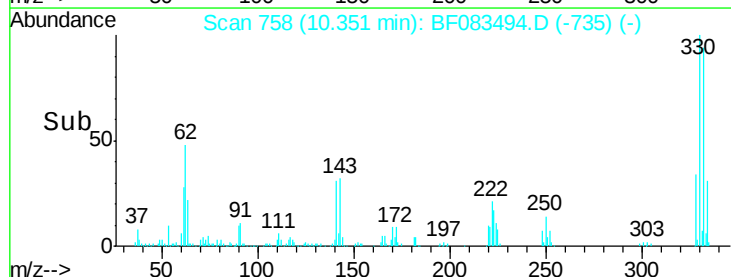


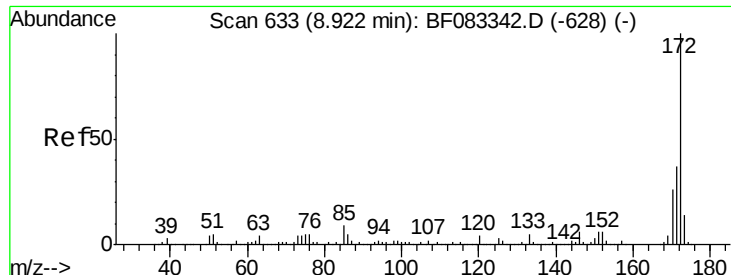
#41
2,4,6-Tribromophenol
Concen: 82.98 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.03 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Tgt Ion:330 Resp: 242411
Ion Ratio Lower Upper
330 100
332 95.1 77.8 116.6
141 38.4 29.4 44.0



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

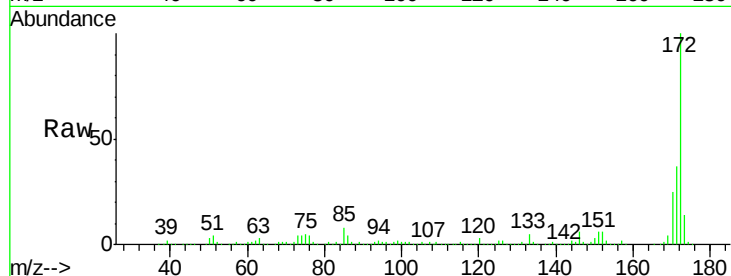




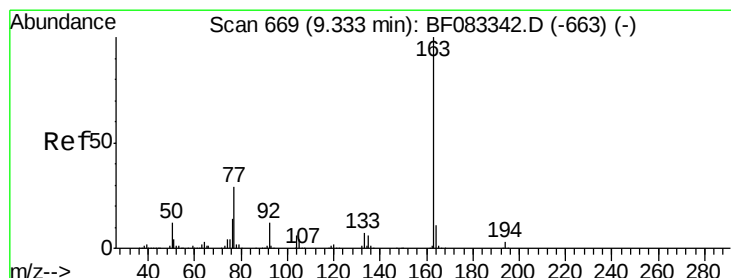
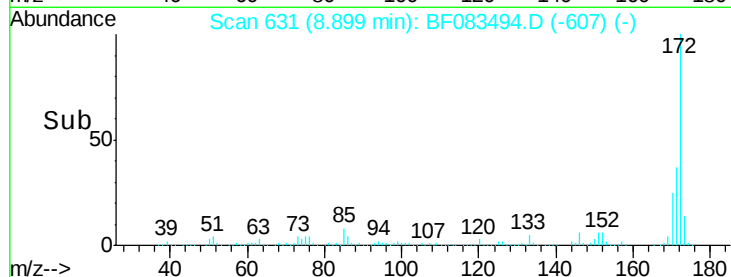
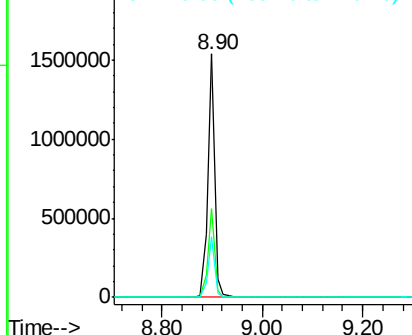
#44
2-Fluorobiphenyl
Concen: 71.11 ng
RT: 8.90 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1452038
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.7 20.4 30.6

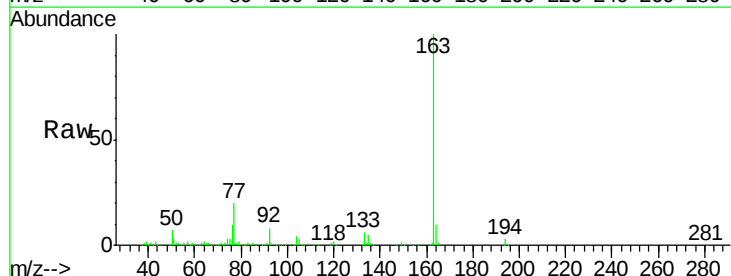


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

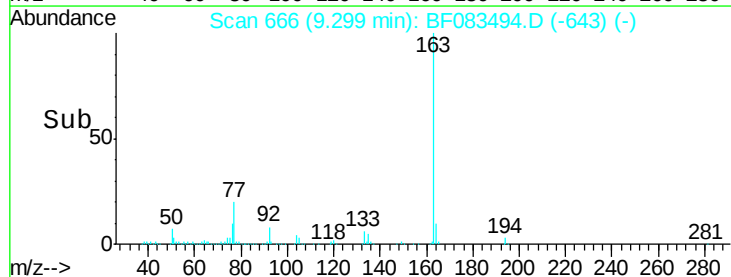
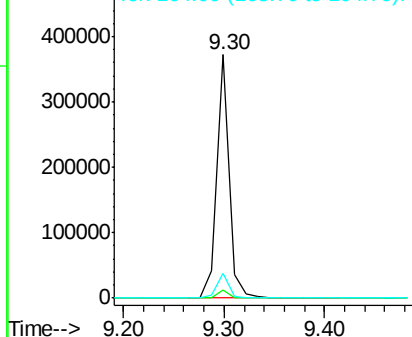


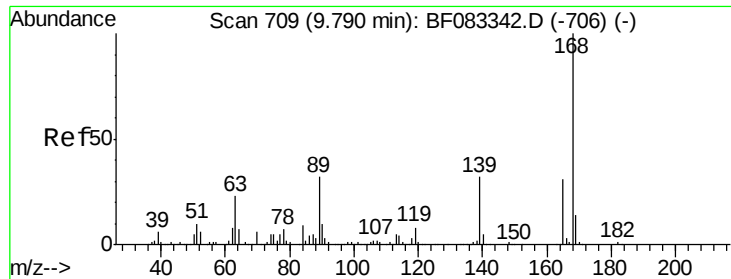
#49
Dimethylphthalate
Concen: 13.45 ng
RT: 9.30 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Tgt Ion:163 Resp: 318167
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.1 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.27 ng

RT: 9.56 min Scan# 689

Delta R.T. -0.23 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 40199

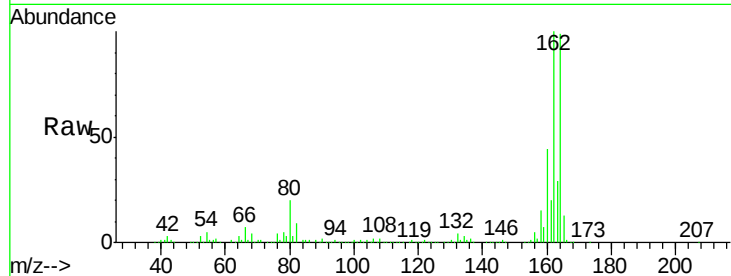
Ion Ratio Lower Upper

165 100

63 1.8 65.4 98.0#

89 2.0 81.2 121.8#

182 0.0 1.8 2.8#

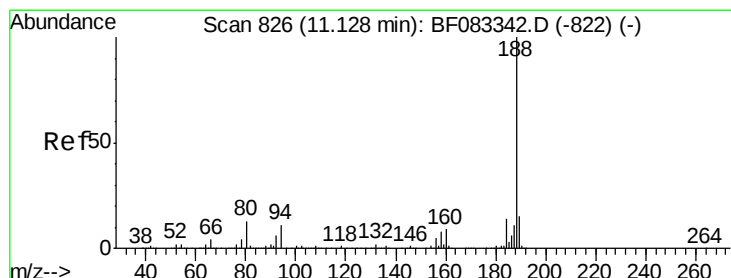
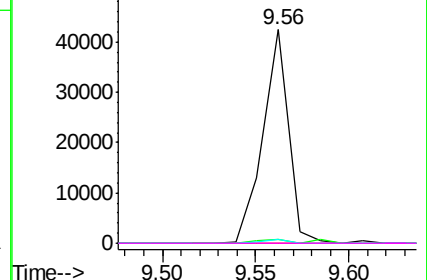
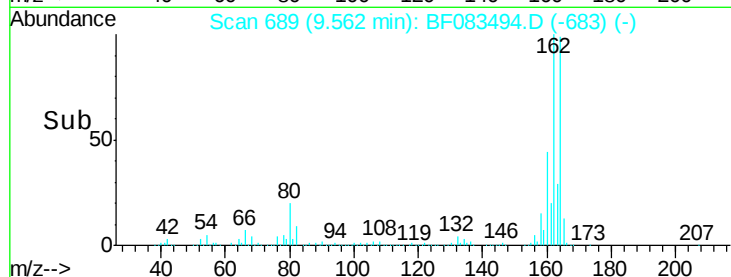


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

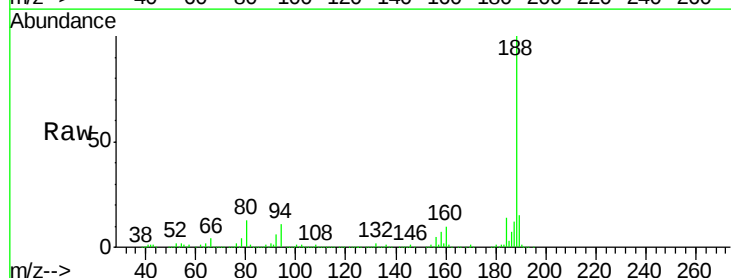
Tgt Ion:188 Resp: 439714

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

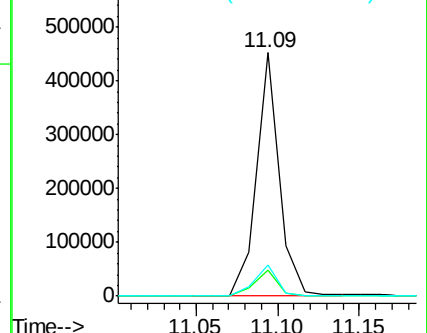
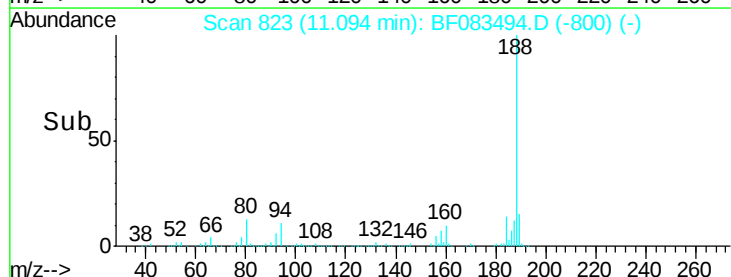
80 12.5 10.3 15.5

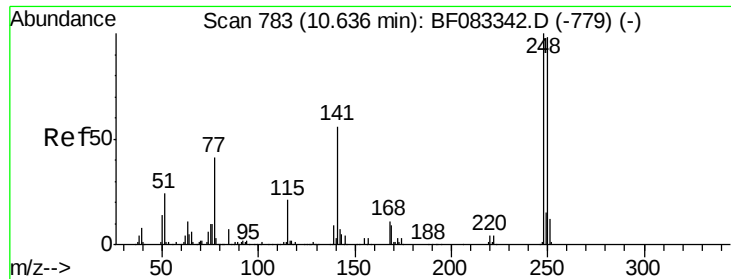


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

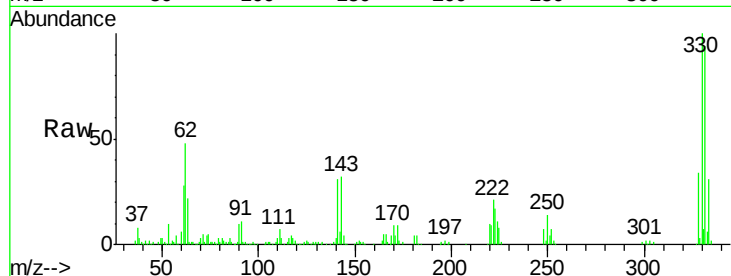




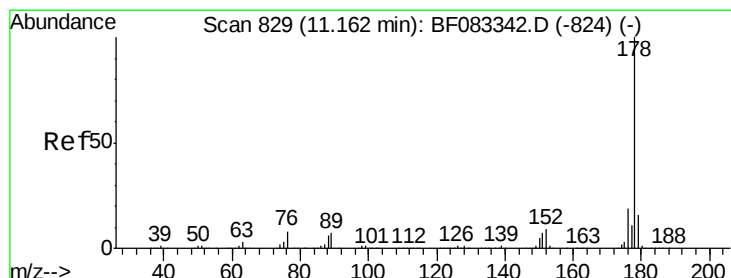
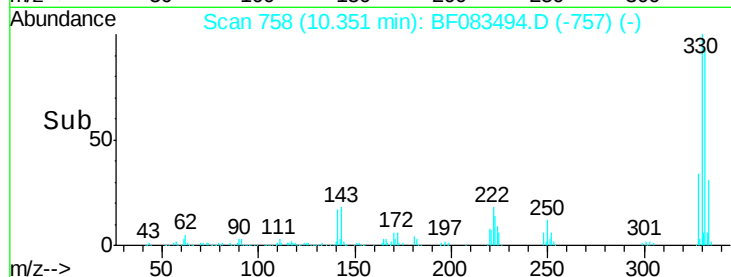
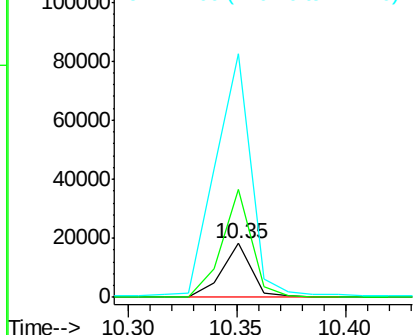
#66
4-Bromophenyl-phenylether
Concen: 3.56 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.29 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17128
Ion Ratio Lower Upper
248 100
250 200.6 78.6 118.0#
141 450.5 44.4 66.6#

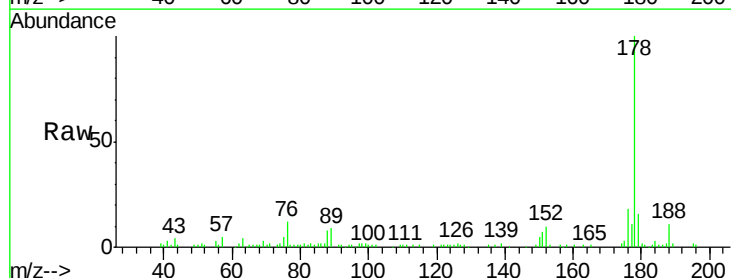


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

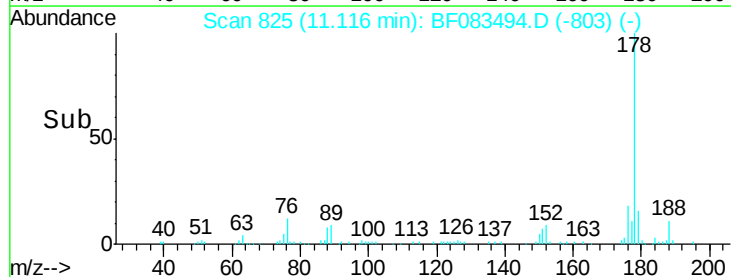
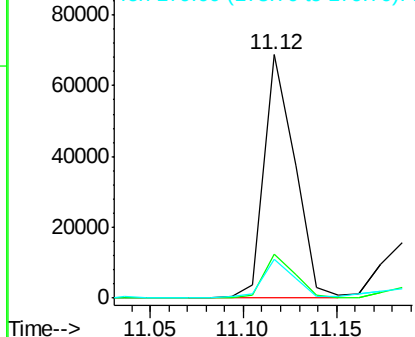


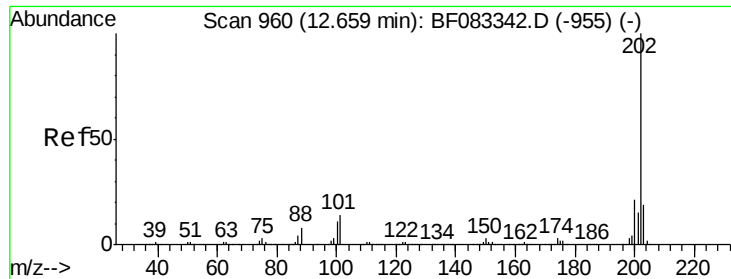
#70
Phenanthrene
Concen: 3.01 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.05 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Tgt Ion:178 Resp: 78394
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.9 12.4 18.6



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





#74

Fluoranthene

Concen: 3.25 ng

RT: 12.63 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampleId :

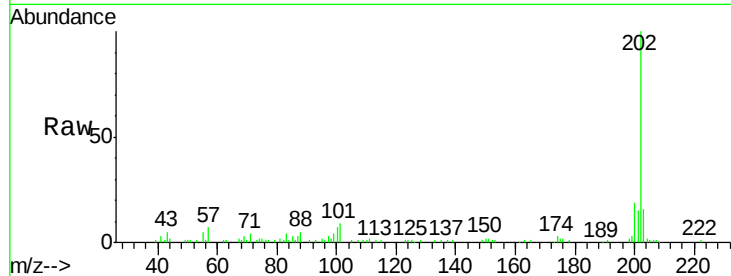
Tot Ion:202 Resp: 87677

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.5

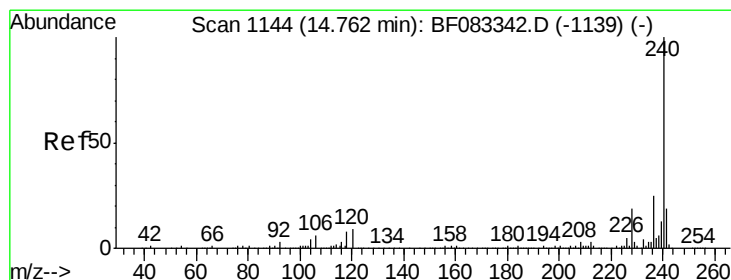
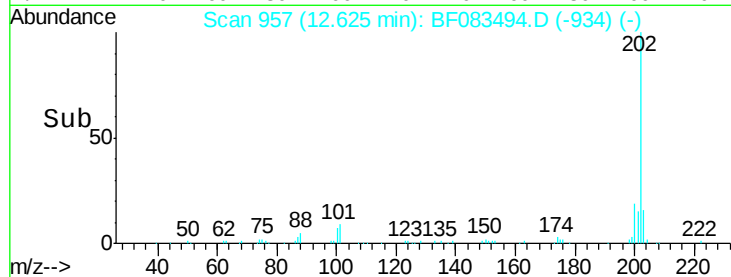
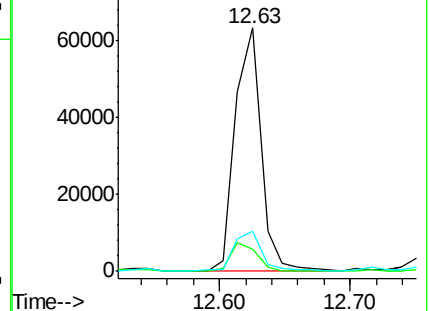
203 16.4 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

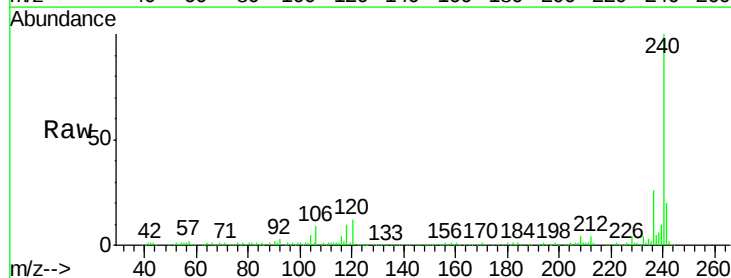
Tgt Ion:240 Resp: 357693

Ion Ratio Lower Upper

240 100

120 12.1 6.9 10.3#

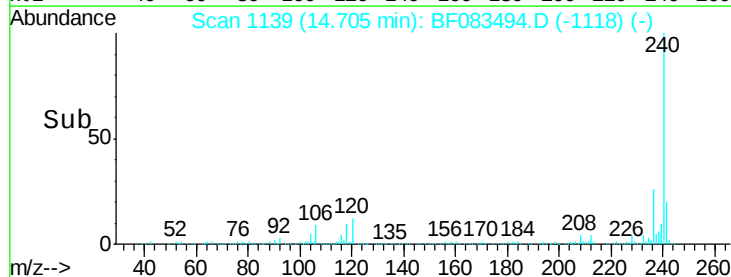
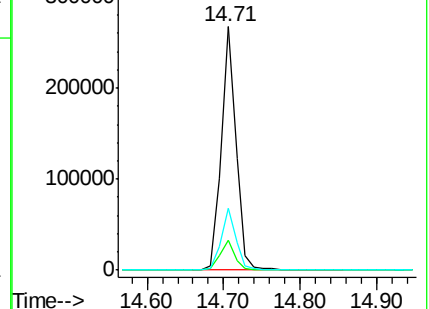
236 25.7 19.8 29.6

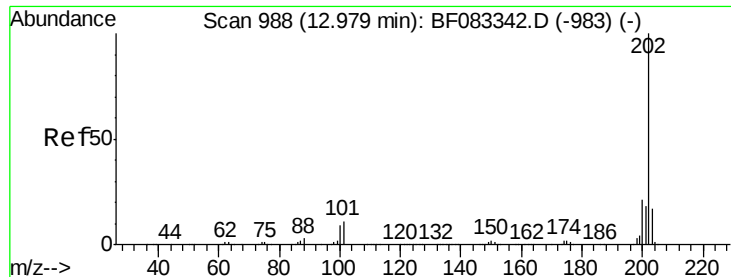


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.04 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampleId :

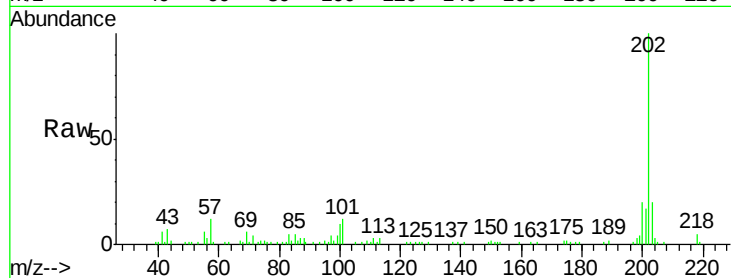
Tot Ion:202 Resp: 75870

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

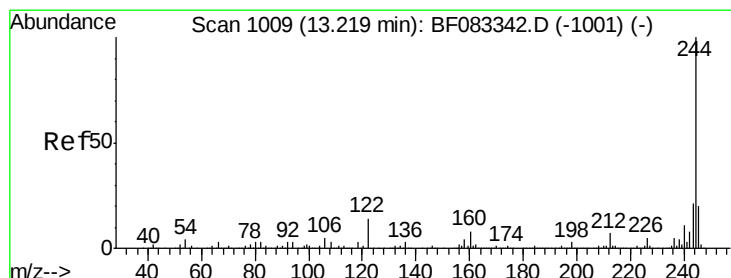
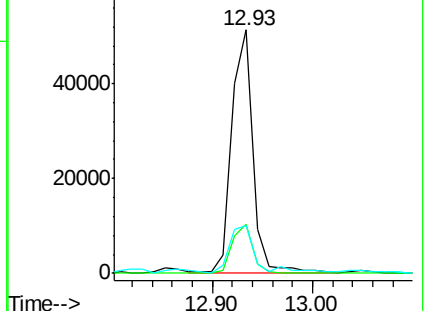
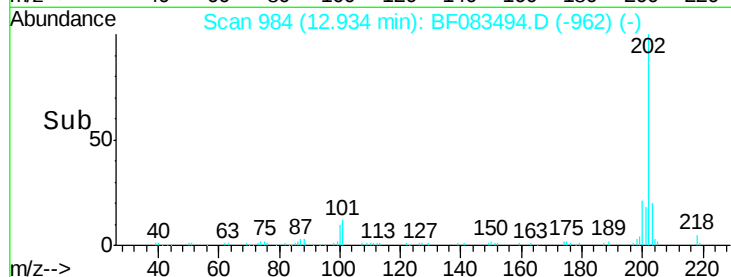
203 19.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.62 ng

RT: 13.19 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

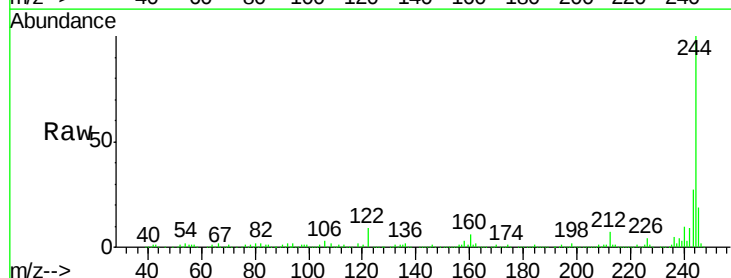
Tgt Ion:244 Resp: 999274

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

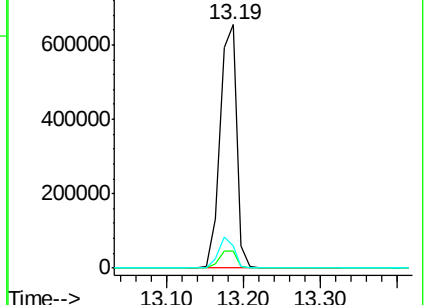
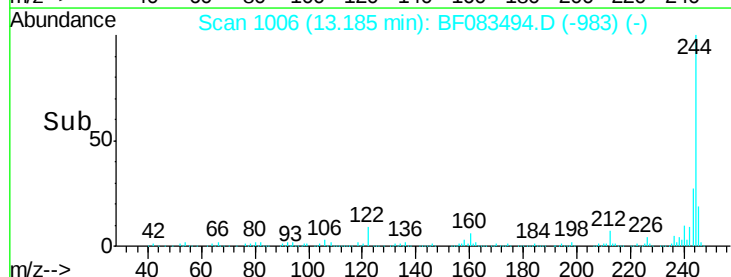
122 9.0 11.0 16.4#

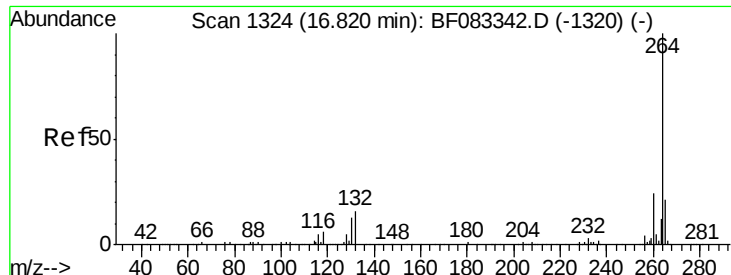


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

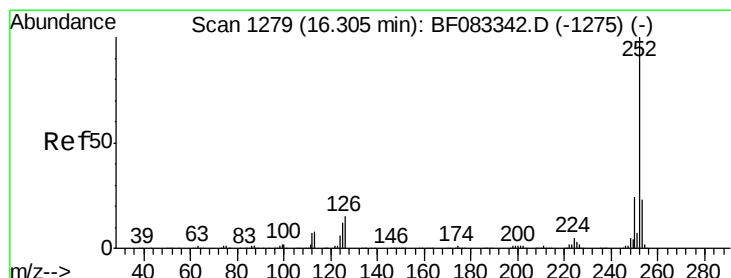
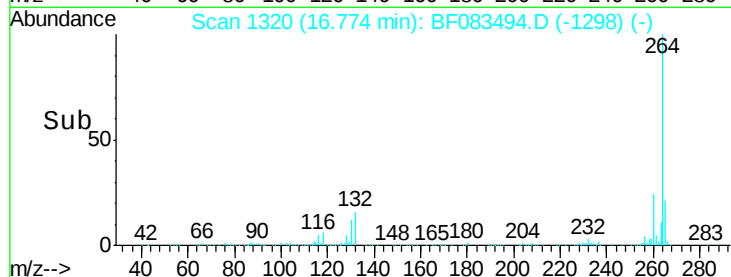
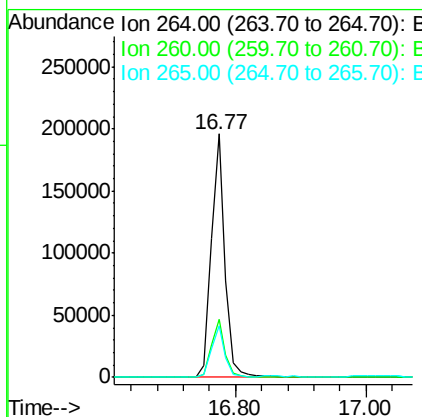
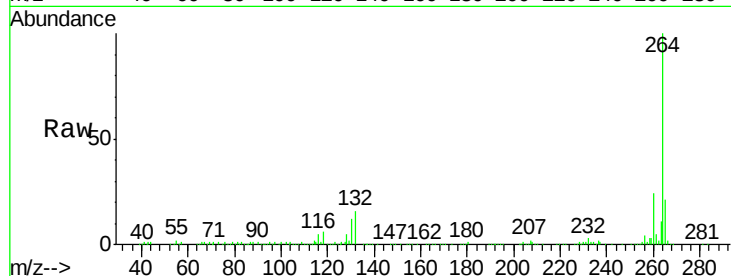




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.77 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

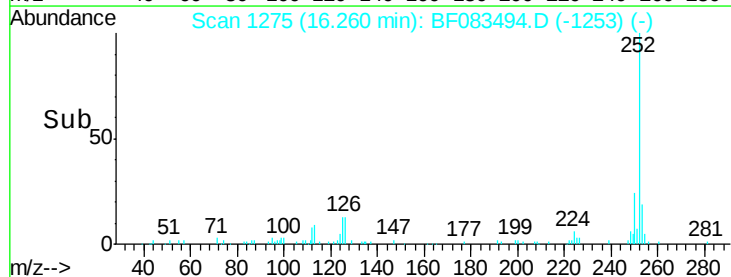
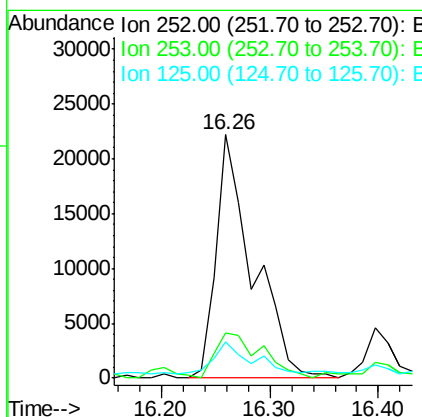
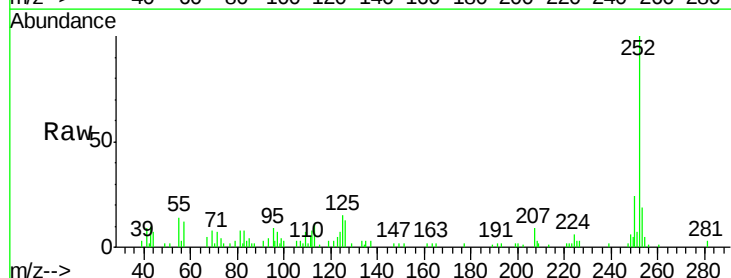
Instrument :
BNA_F
ClientSampled :

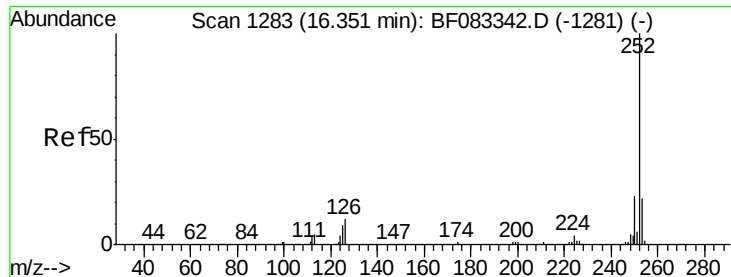
Tot Ion:264 Resp: 288601
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 21.2 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 2.83 ng
RT: 16.26 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF083494.D
Acq: 4 Dec 2015 8:33

Tgt Ion:252 Resp: 52395
Ion Ratio Lower Upper
252 100
253 18.8 18.4 27.6
125 14.9 9.6 14.4#





#88

Benzo(k)fluoranthene

Concen: 3.00 ng

RT: 16.26 min Scan# 1275

Delta R.T. -0.09 min

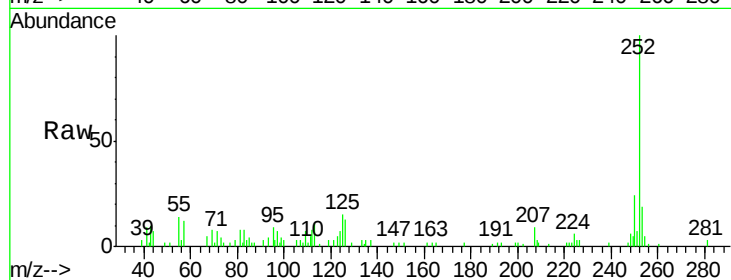
Lab File: BF083494.D

Acq: 4 Dec 2015 8:33

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	52395
Ion Ratio	Lower	Upper	
252	100		
253	18.8	17.4	26.0
125	14.9	7.5	11.3#

