

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085345.D
 Acq On : 10 Mar 2016 20:57
 Operator : UM/SJ
 Sample : H1753-24
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 23:56:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

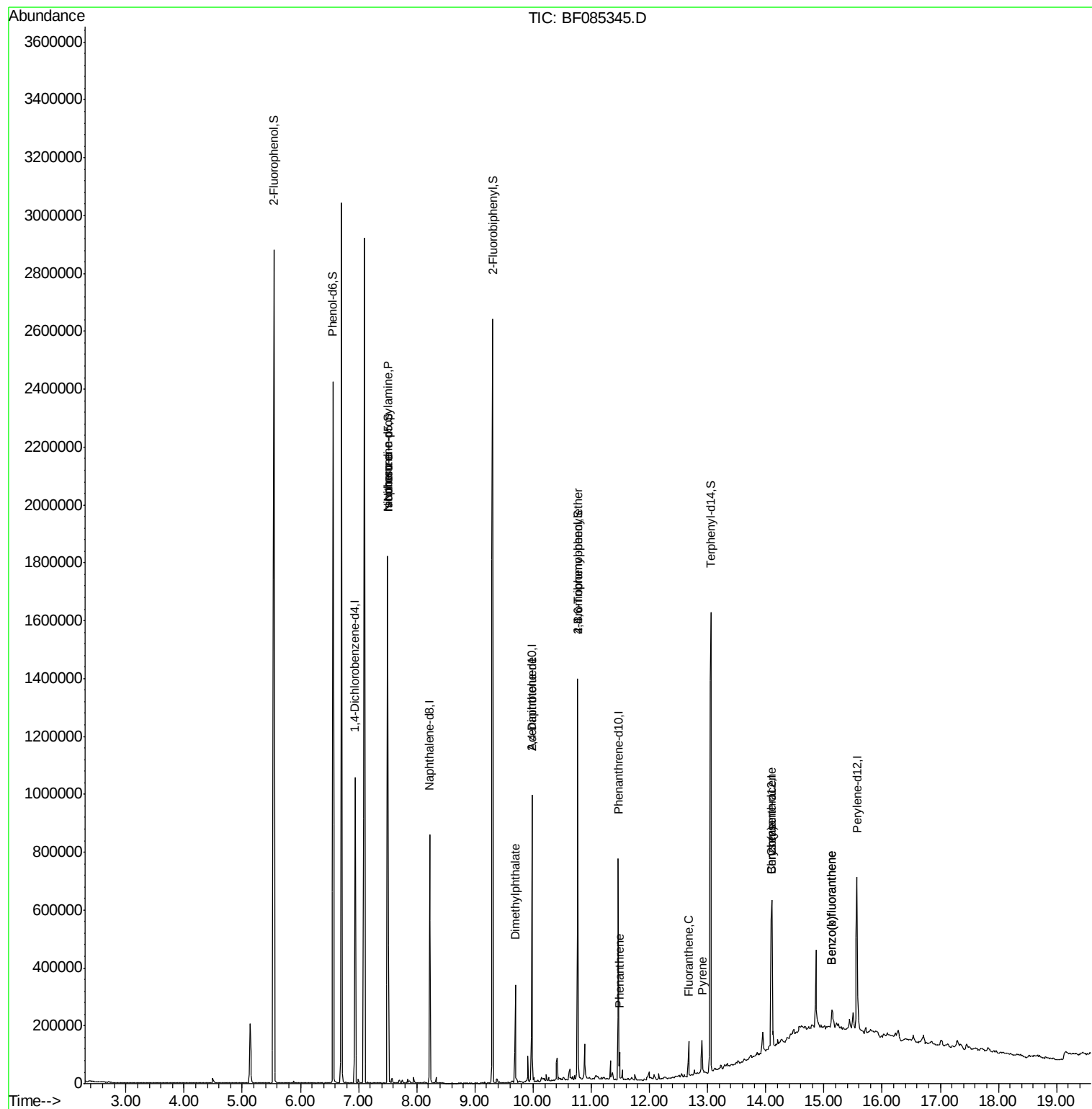
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	141554	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	498019	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	180794	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	283233	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	225191	20.00	ng	-0.05
86) Perylene-d12	15.57	264	254763	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1003326	118.89	ng	-0.03
7) Phenol-d6	6.56	99	1081602	97.83	ng	-0.05
23) Nitrobenzene-d5	7.50	82	648976	69.73	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	183250	118.46	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1096530	92.24	ng	-0.05
78) Terphenyl-d14	13.05	244	702298	72.40	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	83939	11.65	ng	# 78
25) Isophorone	7.50	82	566183	32.83	ng	# 67
49) Dimethylphthalate	9.69	163	145948	10.52	ng	98
56) 2,4-Dinitrotoluene	9.98	165	23472	6.18	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	13191	4.80	ng	# 1
70) Phenanthrene	11.49	178	34755	2.34	ng	97
74) Fluoranthene	12.68	202	51277	3.44	ng	96
77) Pyrene	12.91	202	50415	2.97	ng	96
80) Benzo(a)anthracene	14.09	228	33589	2.49	ng	96
82) Chrysene	14.09	228	33589	2.70	ng	94
87) Benzo(b)fluoranthene	15.13	252	45043	2.65	ng	# 86
88) Benzo(k)fluoranthene	15.13	252	45043	3.29	ng	# 85

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

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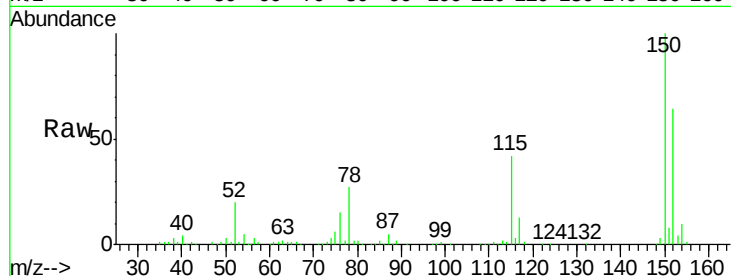


#1

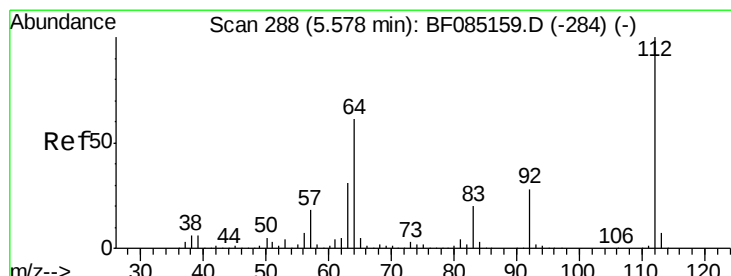
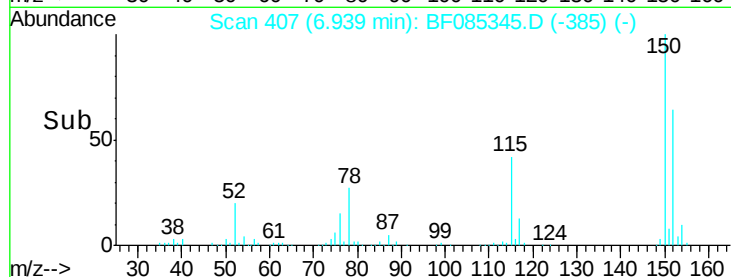
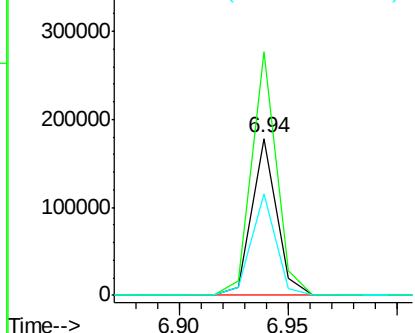
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141554
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 65.0 46.6 70.0



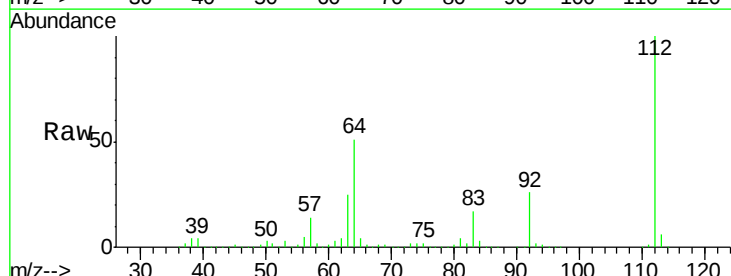
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



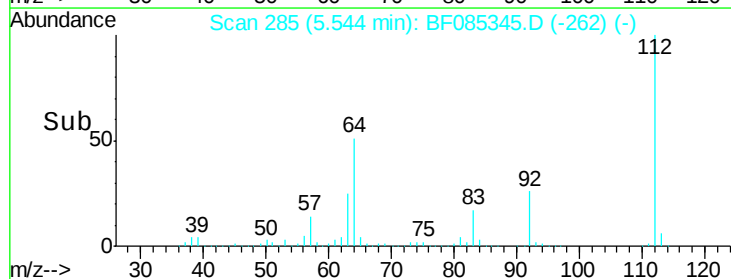
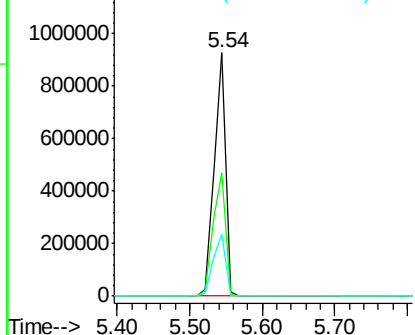
#5

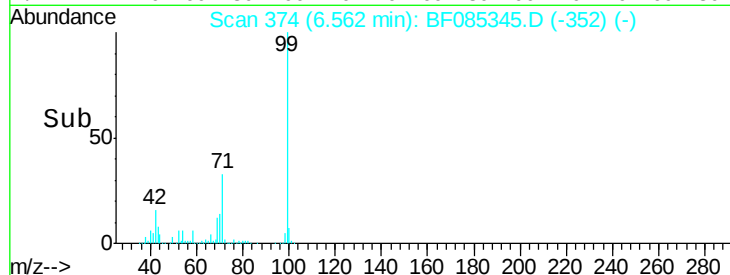
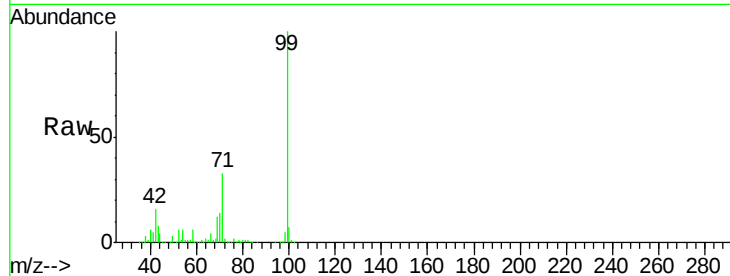
2-Fluorophenol
Concen: 118.89 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

Tgt Ion:112 Resp: 1003326
Ion Ratio Lower Upper
112 100
64 50.5 49.0 73.4
63 25.2 24.8 37.2



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: 97.83 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :

BNA_F

ClientSampleId :

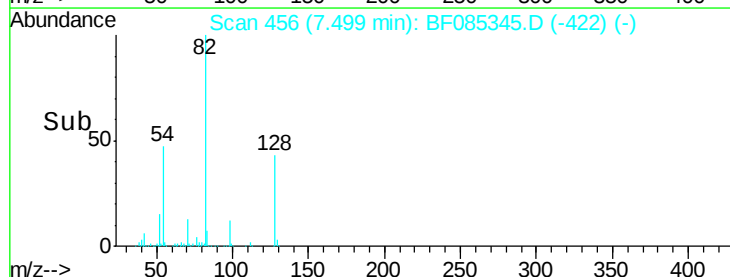
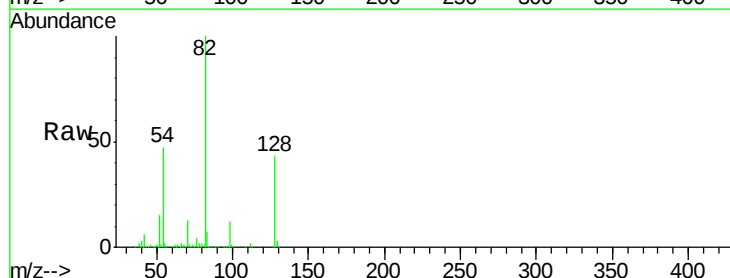
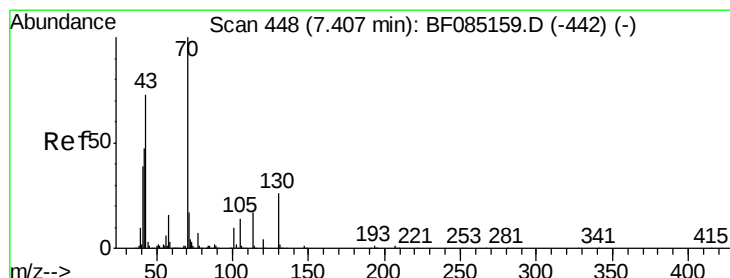
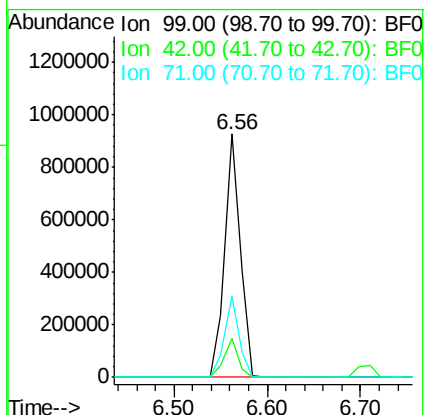
Tot Ion: 99 Resp: 1081602

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

71 33.1 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.65 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Tgt Ion: 70 Resp: 83939

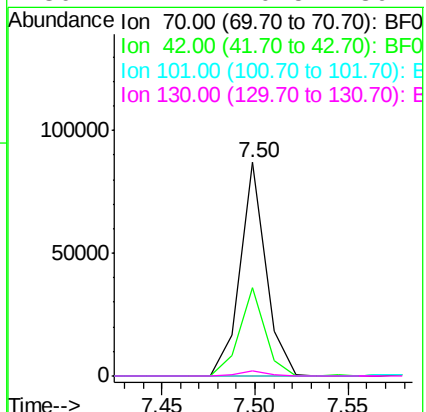
Ion Ratio Lower Upper

70 100

42 41.7 37.7 56.5

101 0.0 8.2 12.4#

130 2.1 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 498019

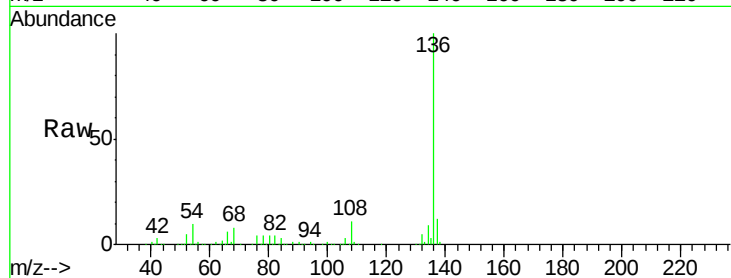
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 9.6 7.4 11.2

68 7.7 6.0 9.0

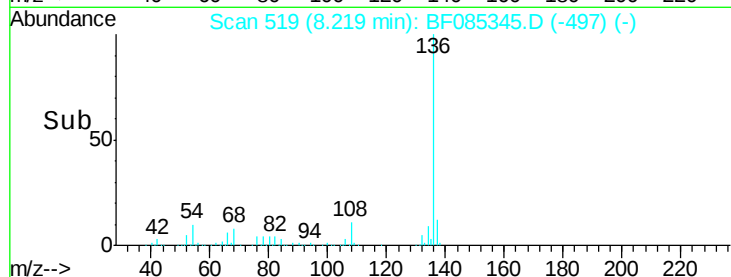


Abundance Ion 136.00 (135.70 to 136.70): E

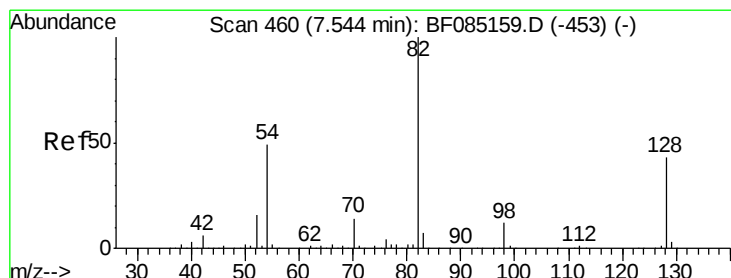
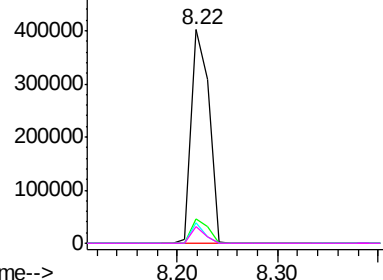
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 69.73 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

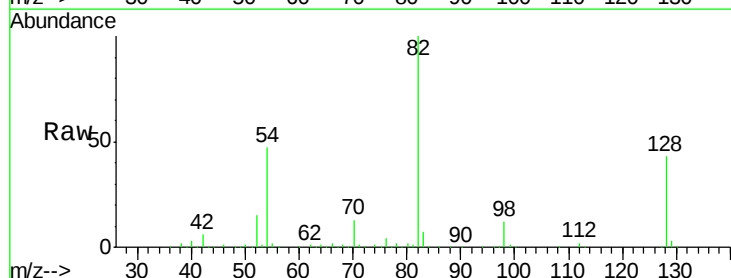
Tgt Ion: 82 Resp: 648976

Ion Ratio Lower Upper

82 100

128 42.6 34.5 51.7

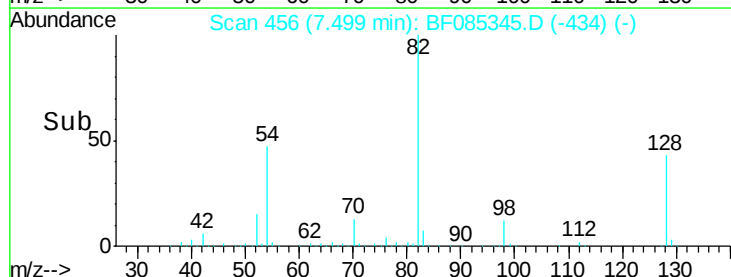
54 47.0 39.3 58.9



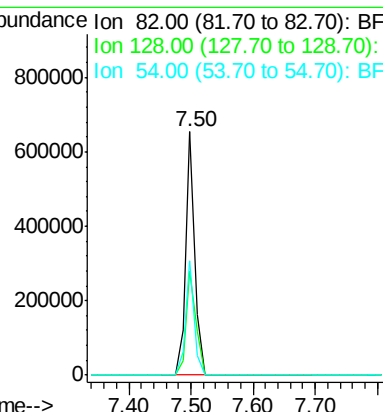
Abundance Ion 82.00 (81.70 to 82.70): BF0

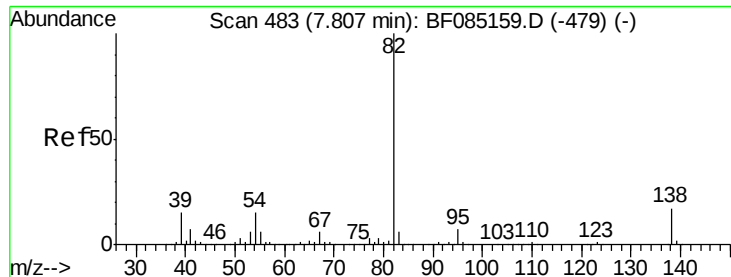
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 32.83 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :

BNA_F

ClientSampleId :

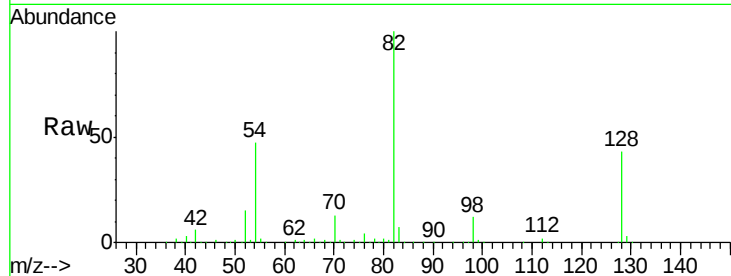
Tot Ion: 82 Resp: 566183

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

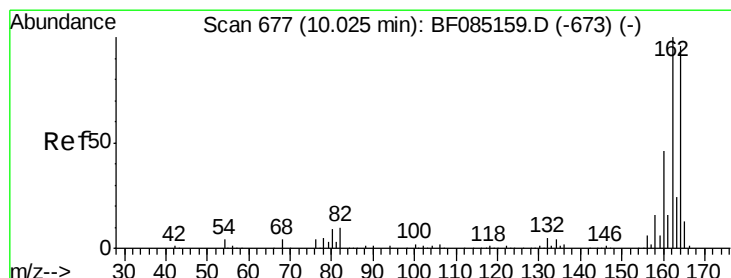
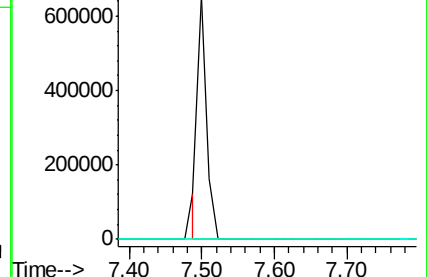
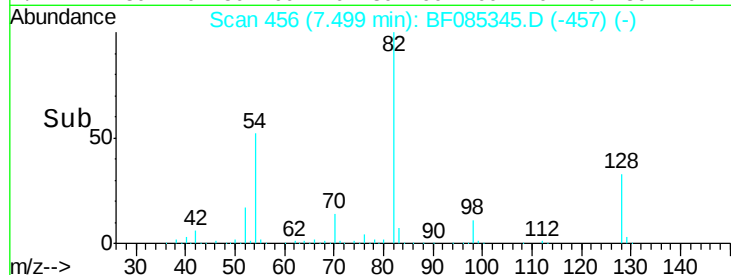
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF085159.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BF085159.D (-479) (-)

Ion 138.00 (137.70 to 138.70): BF085159.D (-479) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

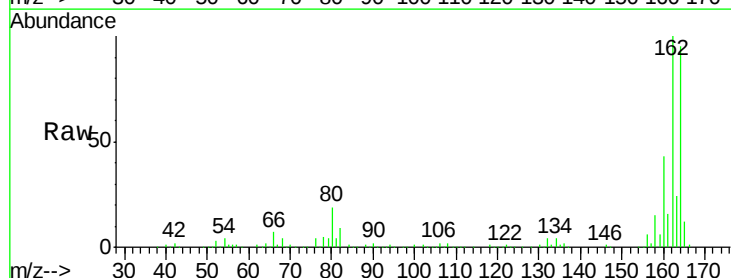
Tgt Ion: 164 Resp: 180794

Ion Ratio Lower Upper

164 100

162 105.2 83.3 124.9

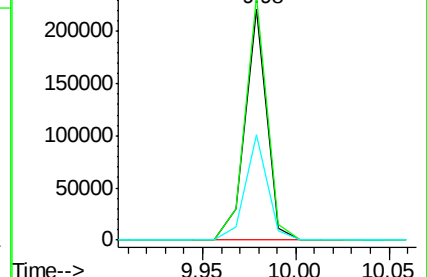
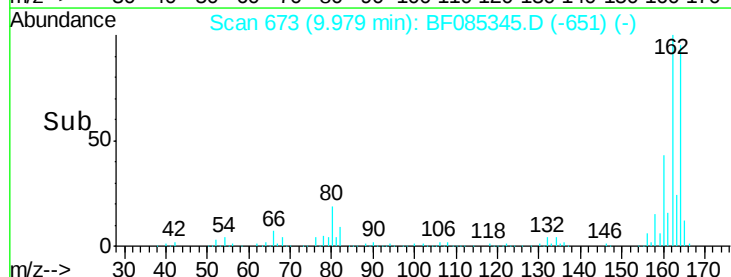
160 45.5 37.9 56.9

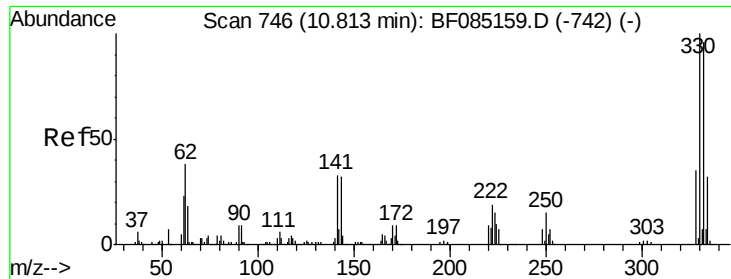


Abundance Ion 164.00 (163.70 to 164.70): BF085159.D (-673) (-)

Ion 162.00 (161.70 to 162.70): BF085159.D (-673) (-)

Ion 160.00 (159.70 to 160.70): BF085159.D (-673) (-)

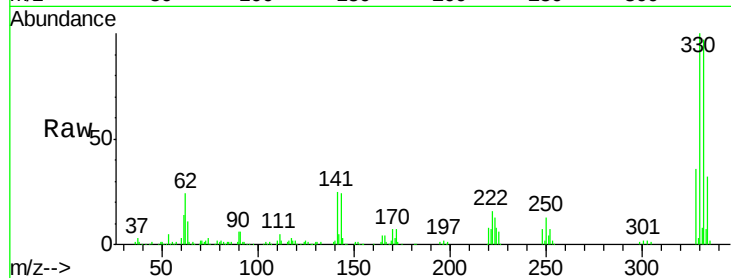




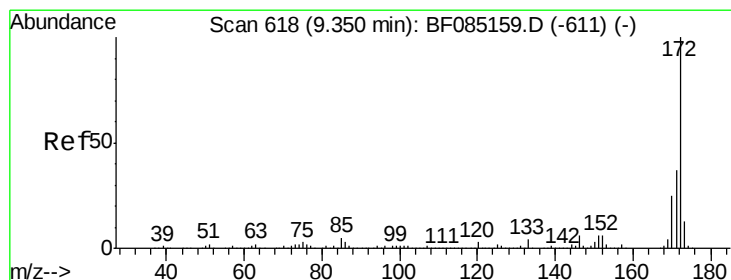
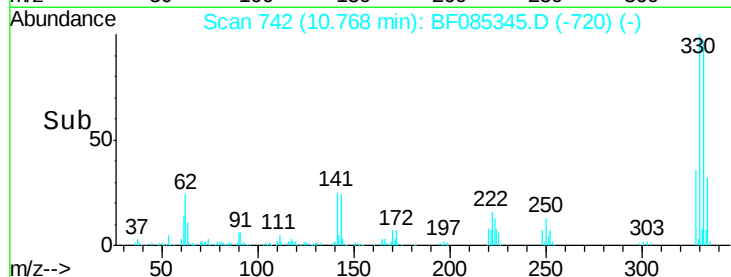
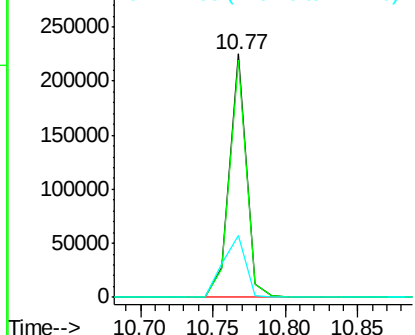
#41
 2,4,6-Tribromophenol
 Concen: 118.46 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085345.D
 Acq: 10 Mar 2016 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.1	115.7
141	34.2	35.0	52.6#

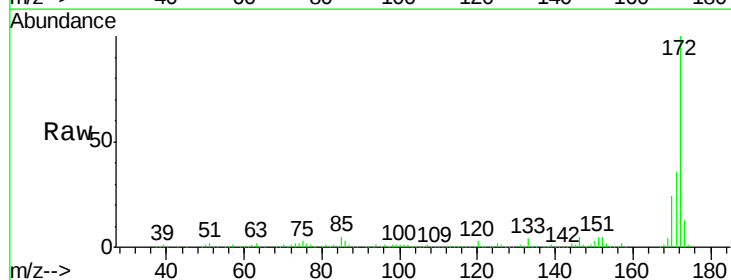


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

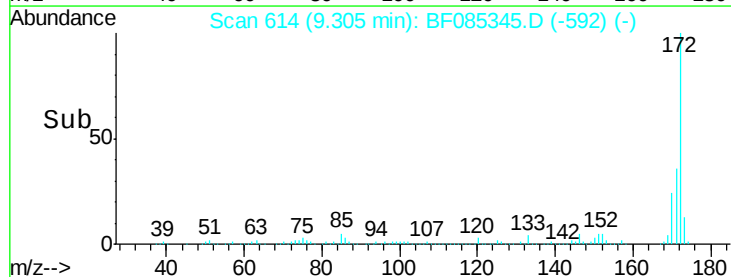
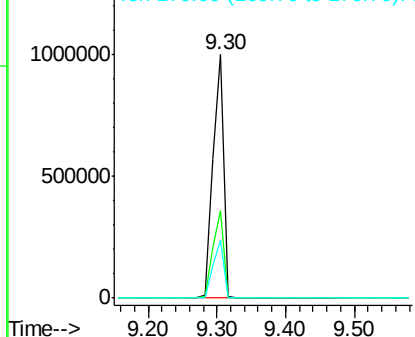


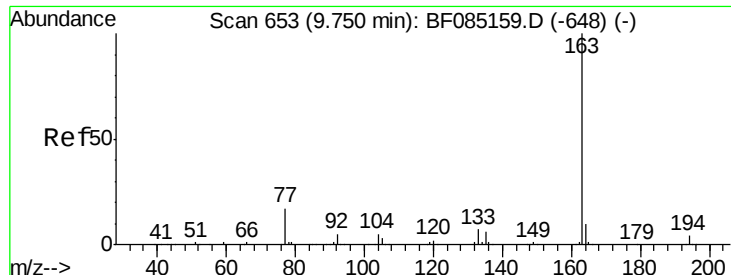
#44
 2-Fluorobiphenyl
 Concen: 92.24 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085345.D
 Acq: 10 Mar 2016 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	23.6	20.0	30.0



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: 10.52 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.06 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :

BNA_F

ClientSampleId :

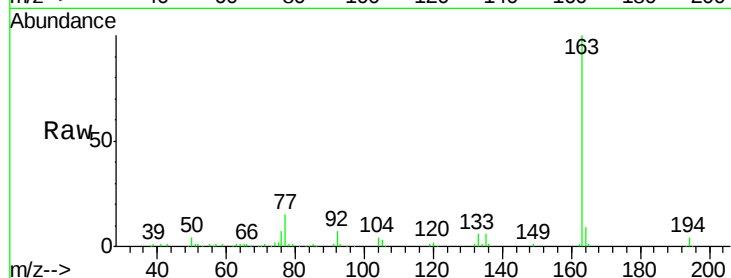
Tot Ion:163 Resp: 145948

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

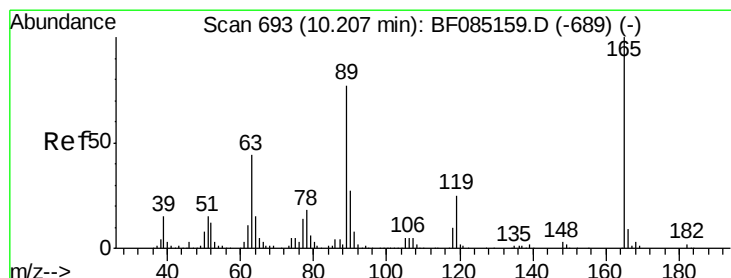
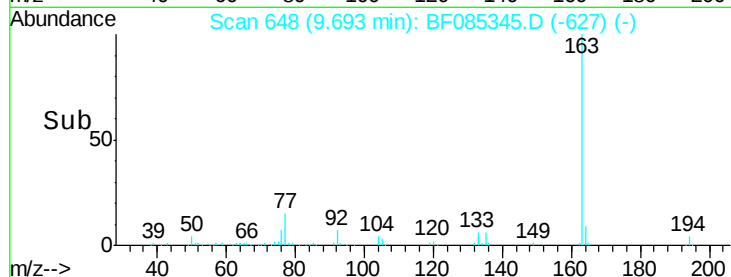
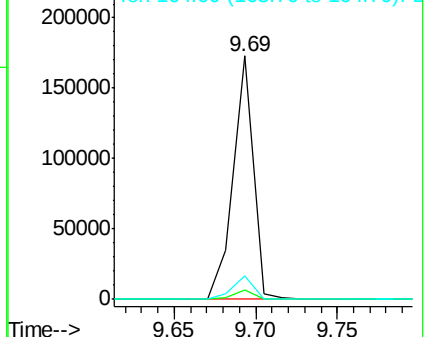
164 9.4 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.18 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.23 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Tgt Ion:165 Resp: 23472

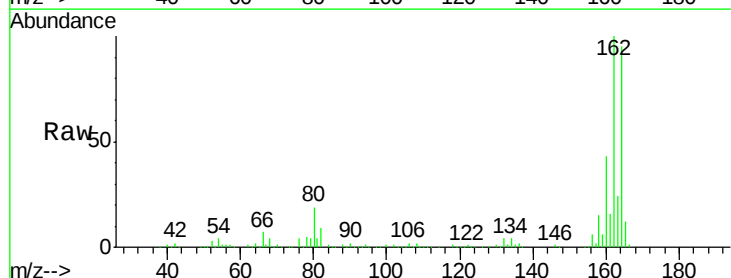
Ion Ratio Lower Upper

165 100

63 1.5 35.4 53.0#

89 1.5 61.9 92.9#

182 0.0 1.9 2.9#

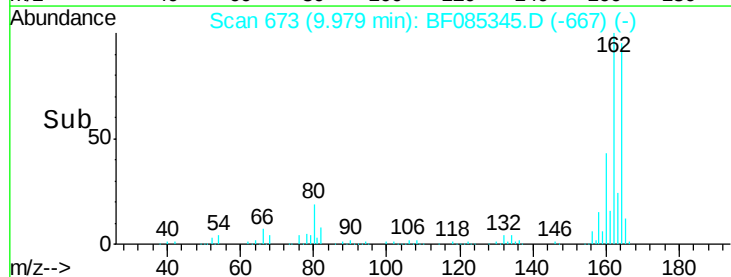
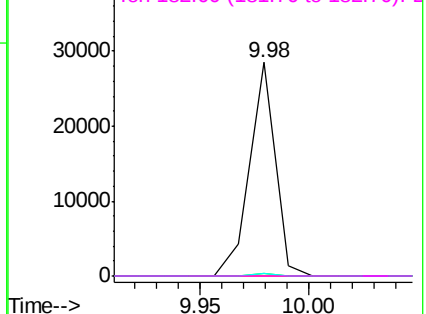


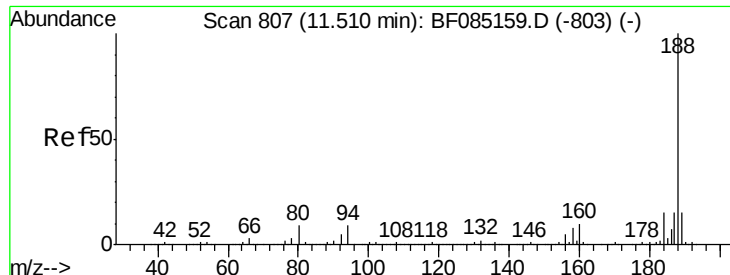
Abundance Ion 165.00 (164.70 to 165.70): E

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

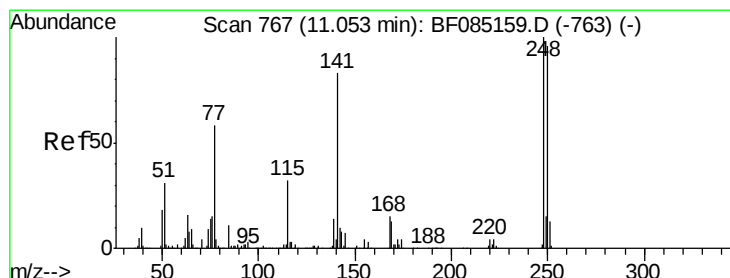
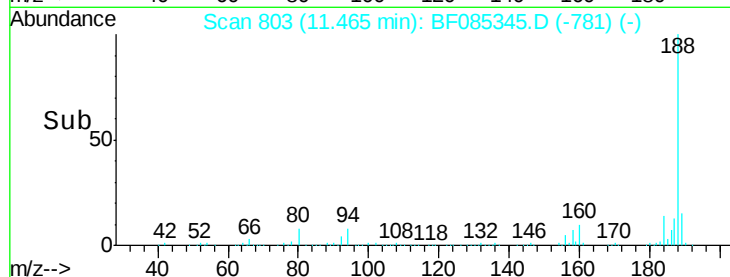
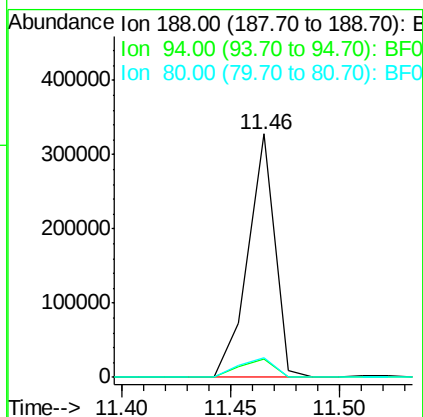
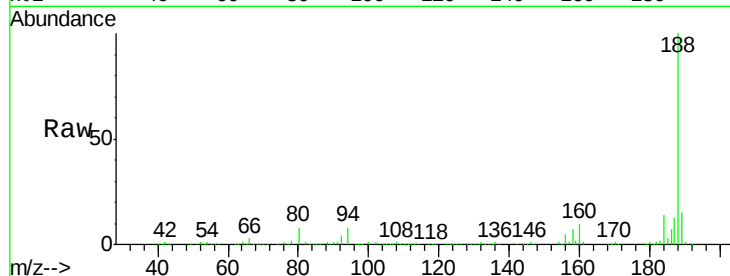




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

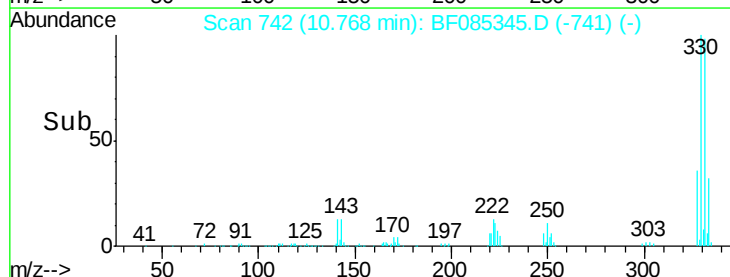
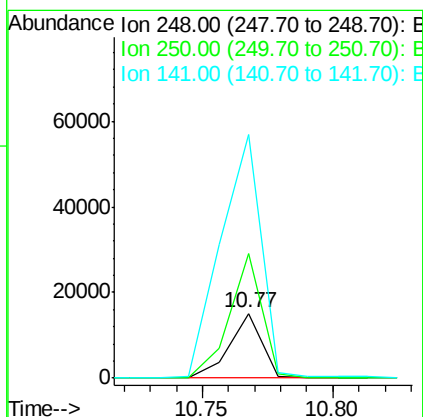
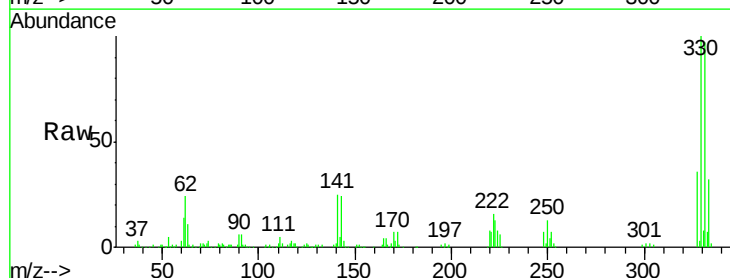
Instrument :
BNA_F
ClientSampleId :

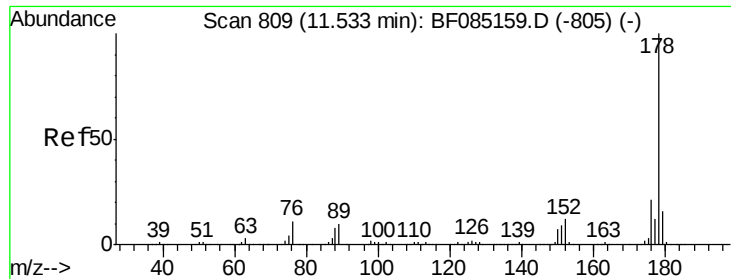
Tot Ion:188 Resp: 283233
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 7.9 7.4 11.0



#66
4-Bromophenyl-phenylether
Concen: 4.80 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

Tgt Ion:248 Resp: 13191
Ion Ratio Lower Upper
248 100
250 191.8 77.1 115.7#
141 375.0 66.2 99.2#





#70

Phenanthrene

Concen: 2.34 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :

BNA_F

ClientSampleId :

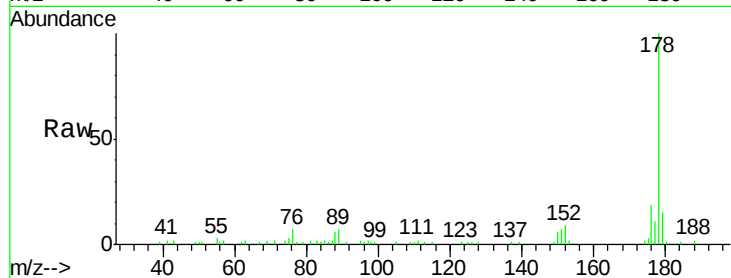
Tot Ion:178 Resp: 34755

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

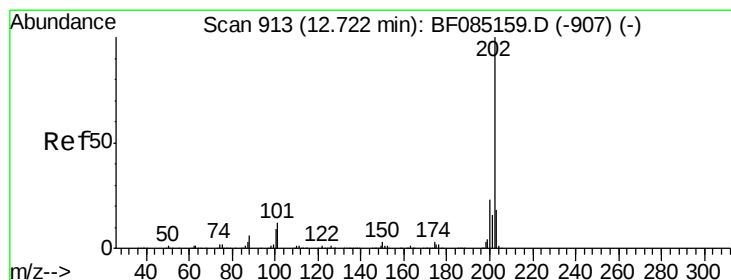
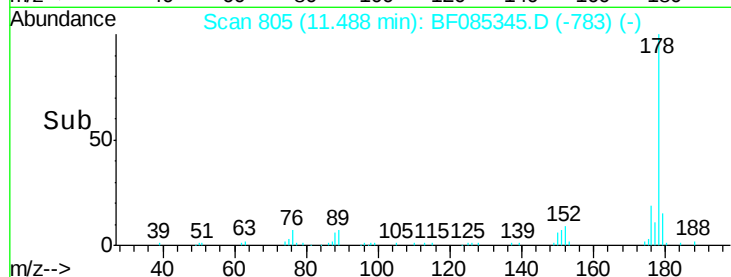
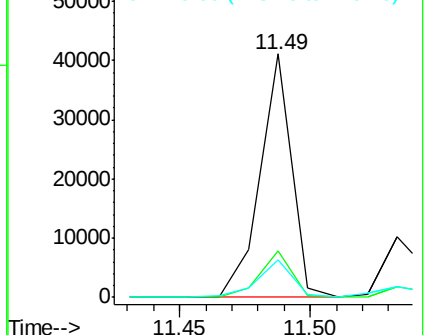
179 15.2 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.44 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

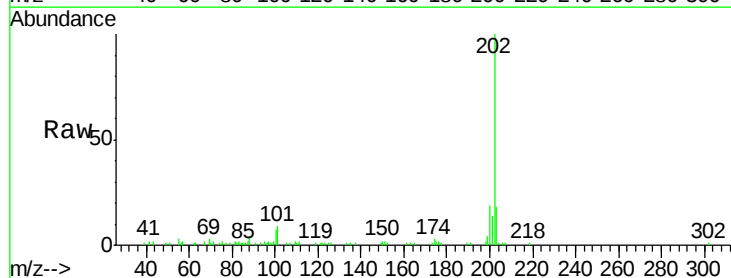
Tgt Ion:202 Resp: 51277

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.8

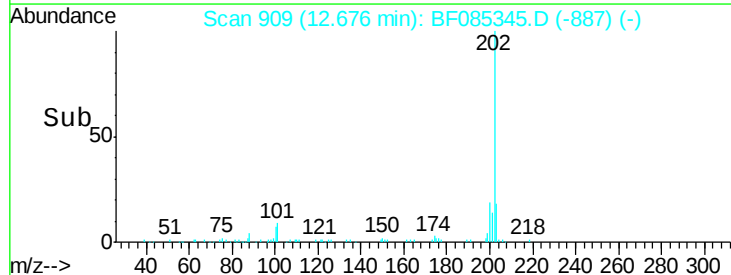
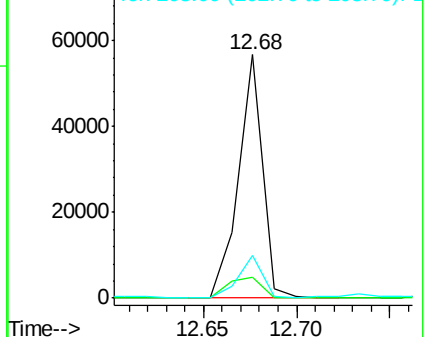
203 17.6 0.0 38.4

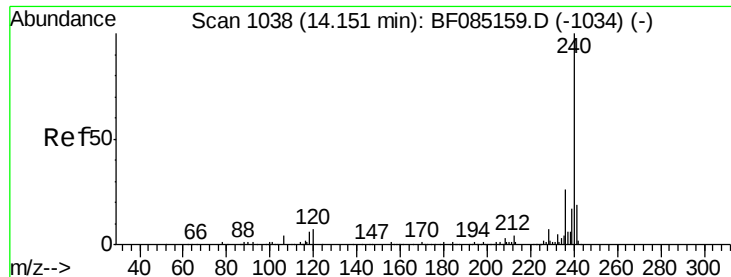


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :

BNA_F

ClientSampleID :

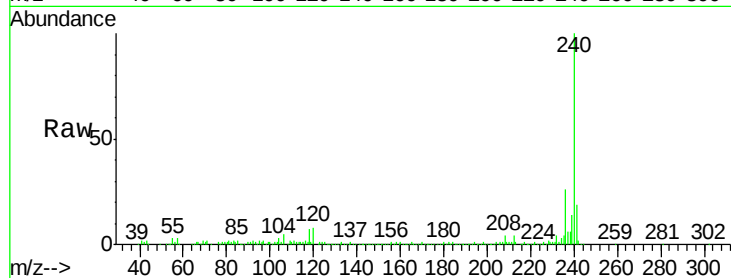
Tot Ion:240 Resp: 225191

Ion Ratio Lower Upper

240 100

120 8.0 5.3 7.9#

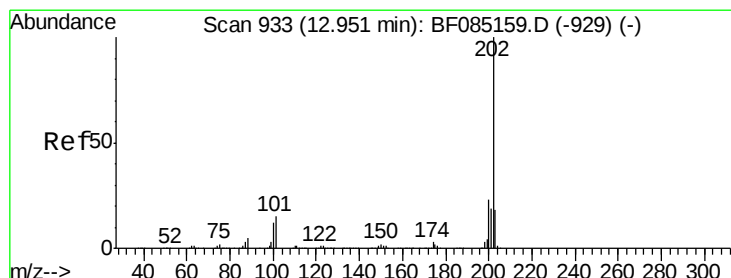
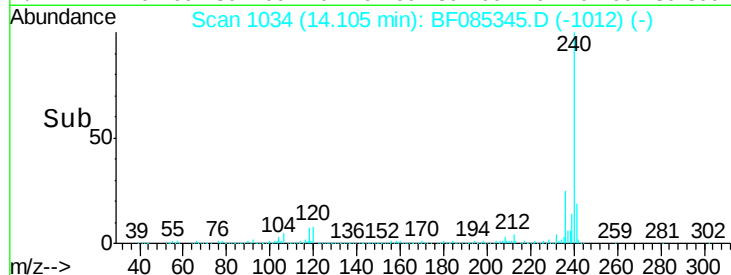
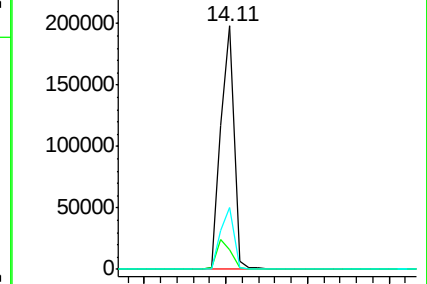
236 25.6 20.7 31.1



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: 2.97 ng

RT: 12.91 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

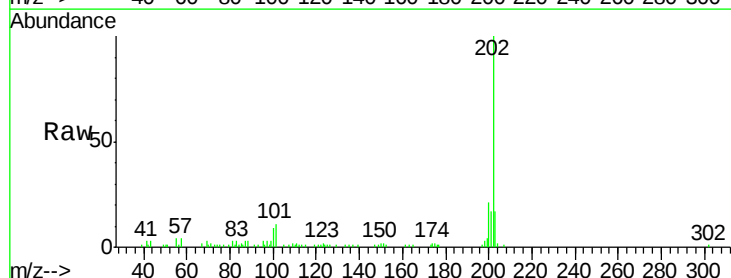
Tgt Ion:202 Resp: 50415

Ion Ratio Lower Upper

202 100

200 20.5 18.2 27.4

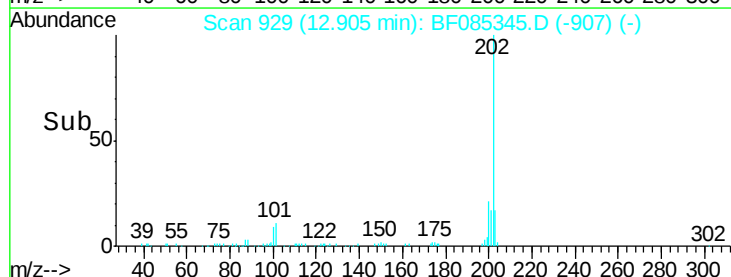
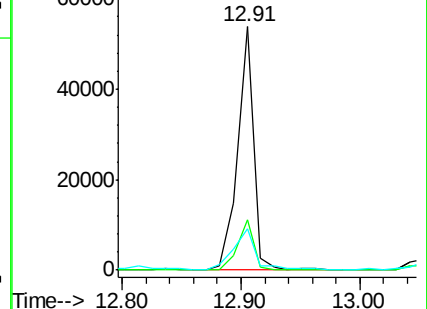
203 17.0 14.7 22.1

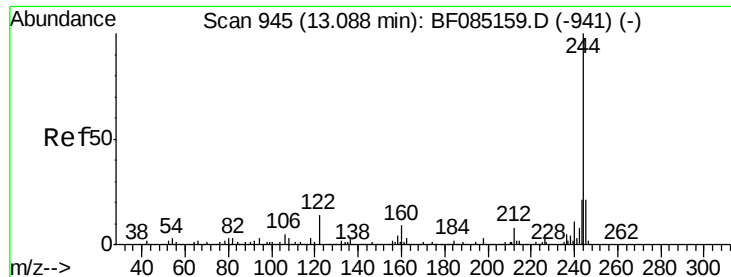


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.40 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

Instrument :
BNA_F
ClientSampleId :

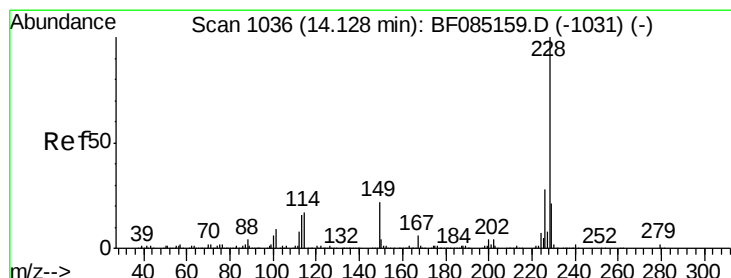
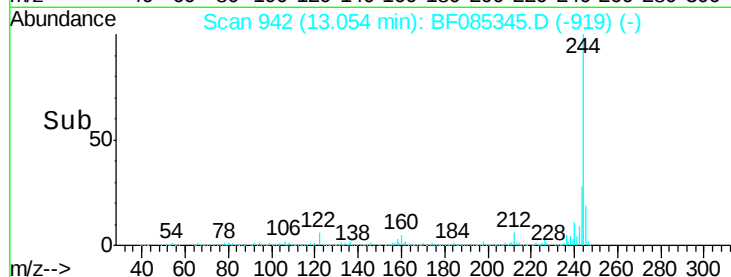
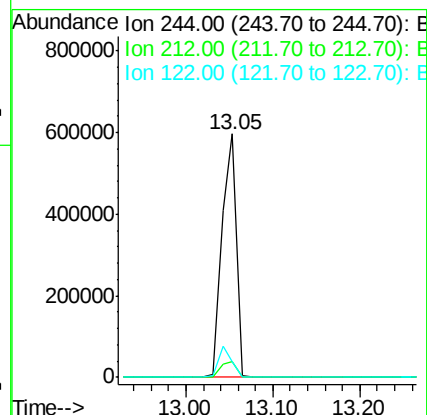
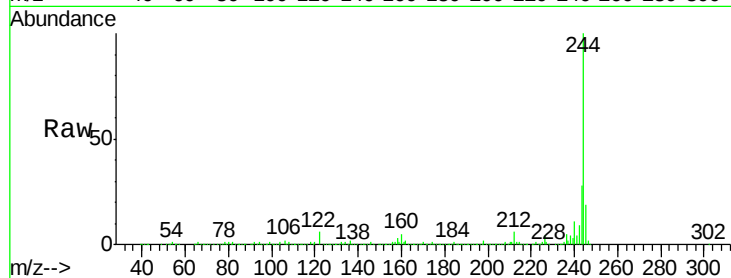
Tot Ion:244 Resp: 702298

Ion Ratio Lower Upper

244 100

212 6.3 6.4 9.6#

122 6.4 11.4 17.2#



#80

Benzo(a)anthracene

Concen: 2.49 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085345.D

Acq: 10 Mar 2016 20:57

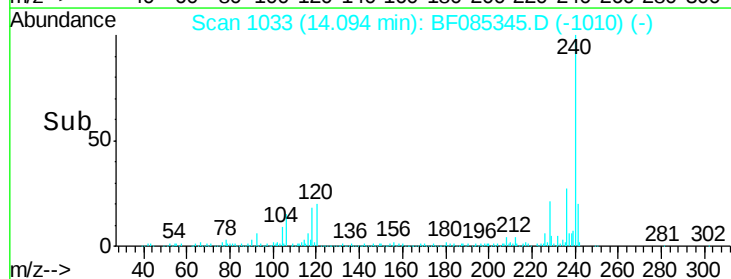
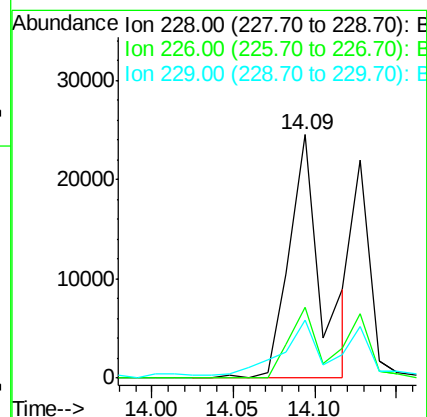
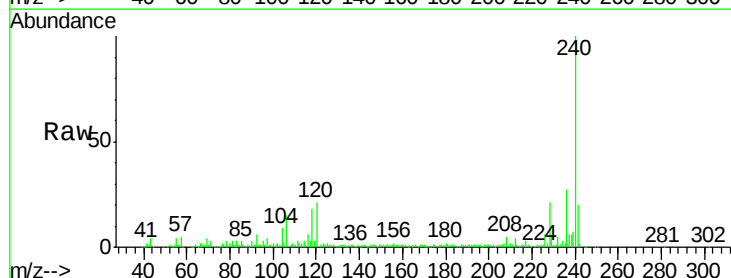
Tgt Ion:228 Resp: 33589

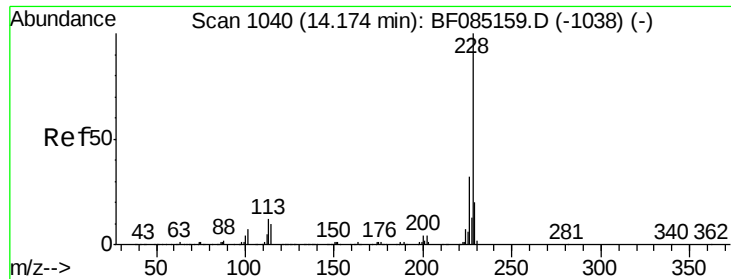
Ion Ratio Lower Upper

228 100

226 29.2 22.8 34.2

229 23.7 16.6 24.8

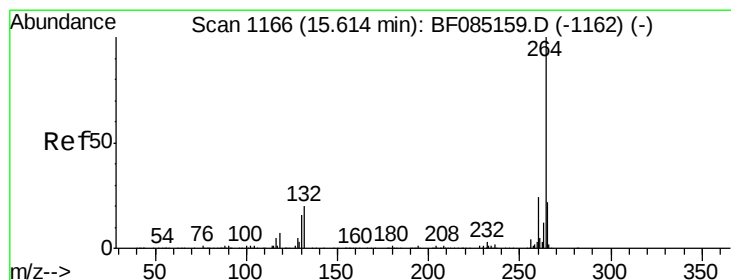
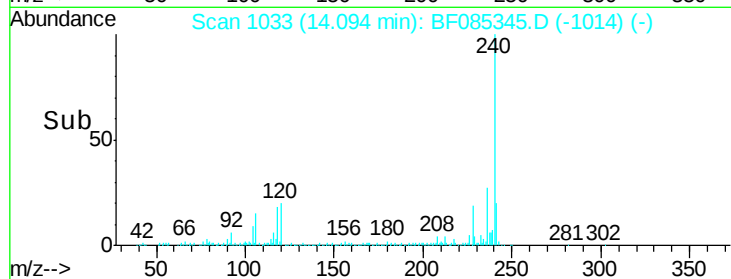
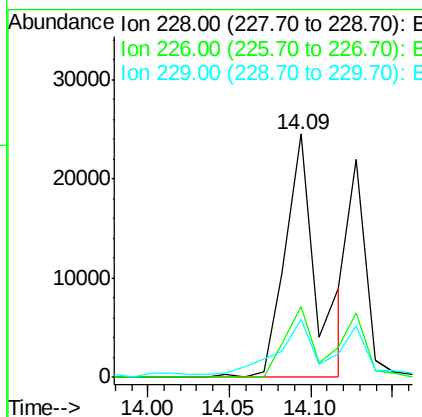
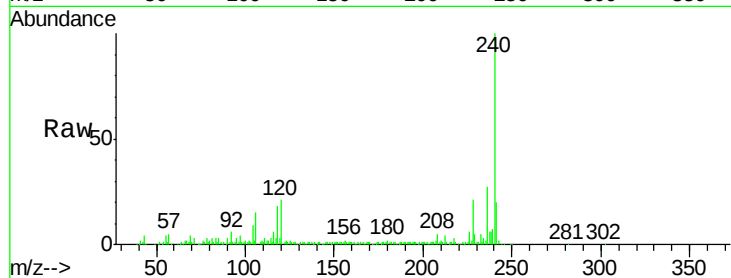




#82
Chrysene
Concen: 2.70 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.08 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

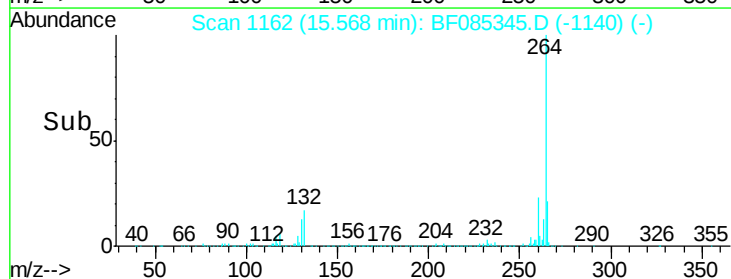
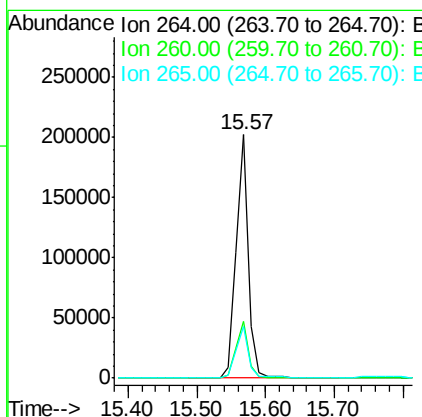
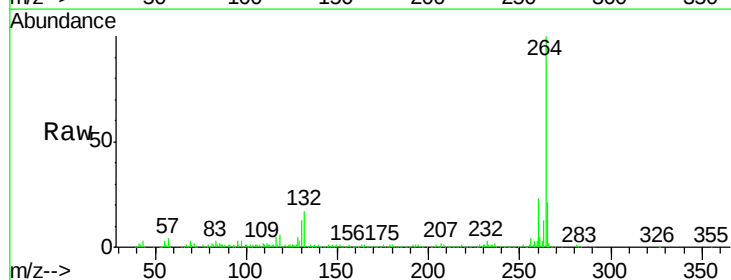
Instrument :
BNA_F
ClientSampleId :

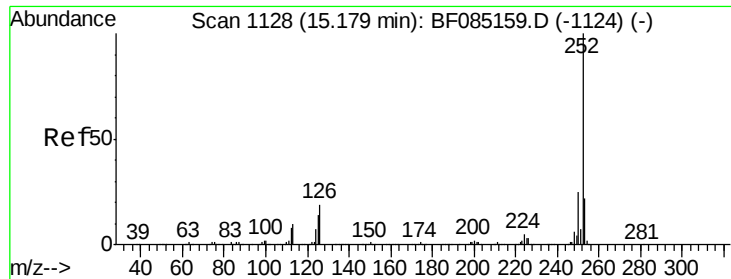
Tot Ion:228 Resp: 33589
Ion Ratio Lower Upper
228 100
226 29.2 25.2 37.8
229 23.7 16.0 24.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

Tgt Ion:264 Resp: 254763
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.3 17.3 25.9

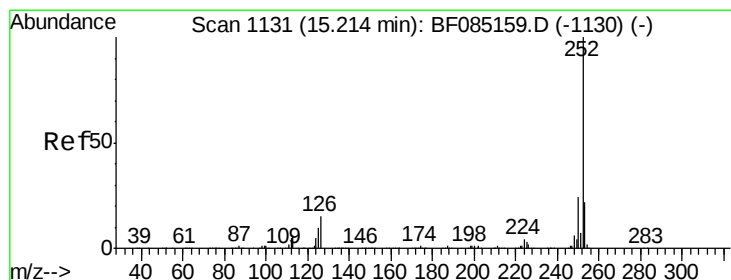
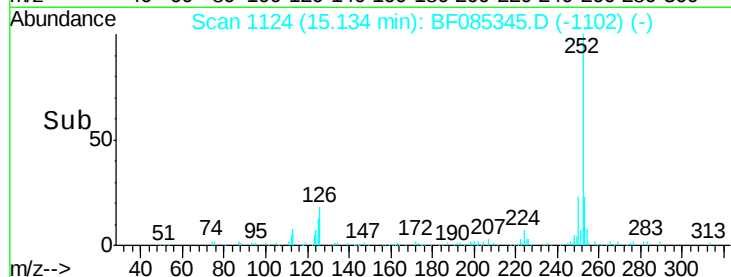
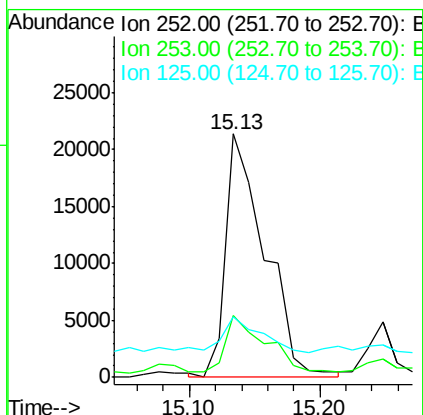
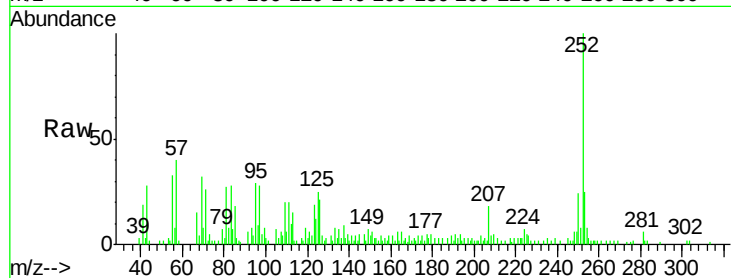




#87
Benzo(b)fluoranthene
Concen: 2.65 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 45043
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 24.8 11.3 16.9#



#88
Benzo(k)fluoranthene
Concen: 3.29 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BF085345.D
Acq: 10 Mar 2016 20:57

Tgt Ion:252 Resp: 45043
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 24.8 10.4 15.6#

