

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032216\
 Data File : BF085702.D
 Acq On : 23 Mar 2016 12:43
 Operator : UM/SJ
 Sample : H1857-21
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 13:38:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

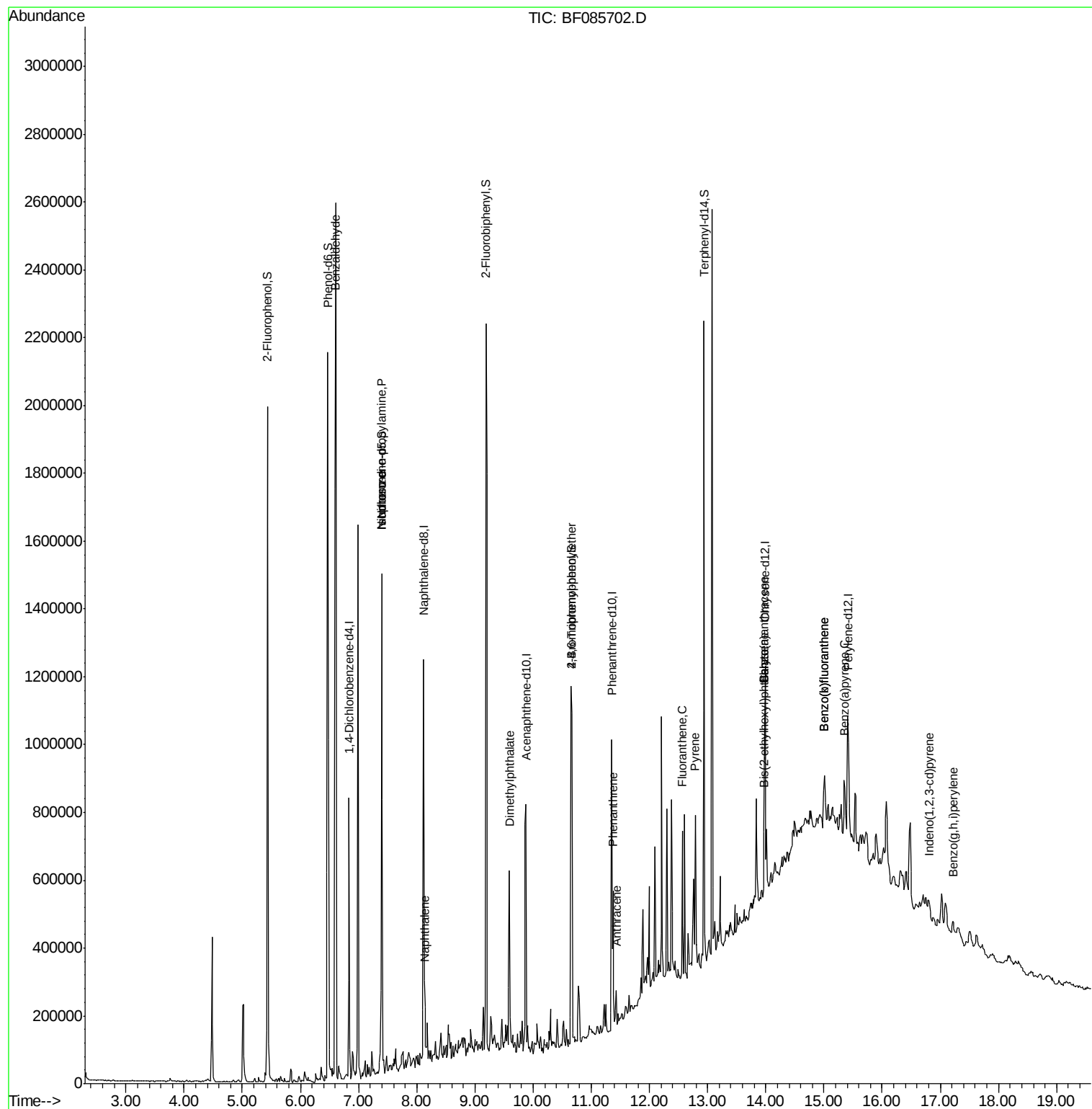
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	133027	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	497300	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	201909	20.00	ng	-0.02
63) Phenanthrene-d10	11.35	188	310562	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	243062	20.00	ng	-0.02
86) Perylene-d12	15.41	264	178654	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	866778	109.44	ng	-0.02
7) Phenol-d6	6.47	99	1050210	103.39	ng	-0.02
23) Nitrobenzene-d5	7.40	82	620308	72.40	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	194842	98.51	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	964501	80.37	ng	-0.03
78) Terphenyl-d14	12.94	244	639458	63.31	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.61	77	20284	2.08	ng	88
19) n-Nitroso-di-n-propylamine	7.40	70	87148	14.36	ng	# 79
25) Isophorone	7.40	82	556433	32.44	ng	# 68
31) Naphthalene	8.14	128	58307	2.32	ng	99
49) Dimethylphthalate	9.59	163	178882	11.74	ng	98
66) 4-Bromophenyl-phenylether	10.66	248	12550	4.05	ng	# 1
70) Phenanthrene	11.37	178	147352	9.00	ng	99
71) Anthracene	11.43	178	46441	2.70	ng	99
74) Fluoranthene	12.56	202	183691	10.71	ng	98
77) Pyrene	12.79	202	181889	10.42	ng	99
80) Benzo(a)anthracene	13.98	228	79611	5.64	ng	95
82) Chrysene	13.98	228	79611	5.86	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	39089	3.78	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.80	276	27128	2.39	ng	95
87) Benzo(b)fluoranthene	15.01	252	103873	8.91	ng	# 85
88) Benzo(k)fluoranthene	15.01	252	103873	10.82	ng	# 83
89) Benzo(a)pyrene	15.35	252	48692	4.93	ng	# 83
91) Benzo(g,h,i)perylene	17.21	276	24545	3.08	ng	# 85

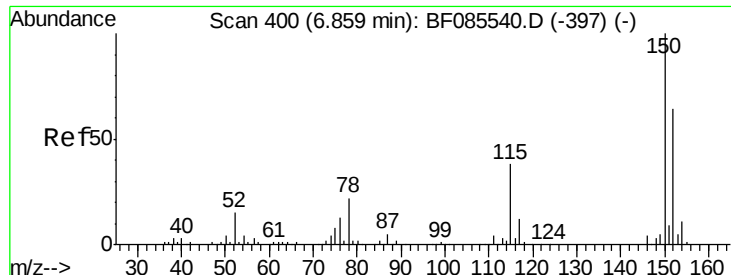
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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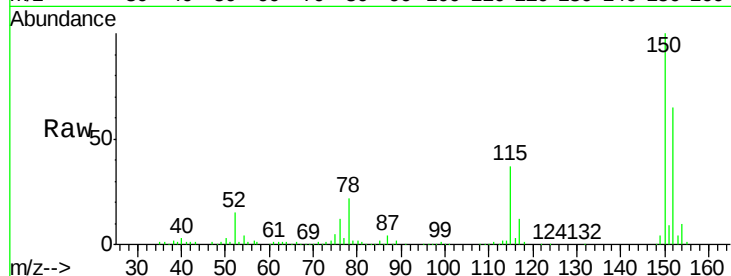


#1

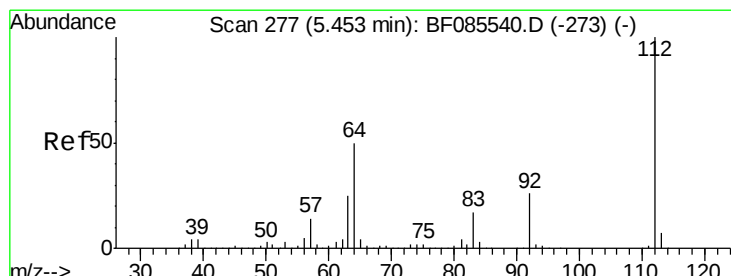
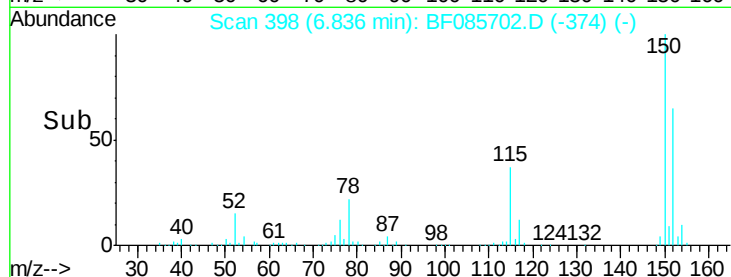
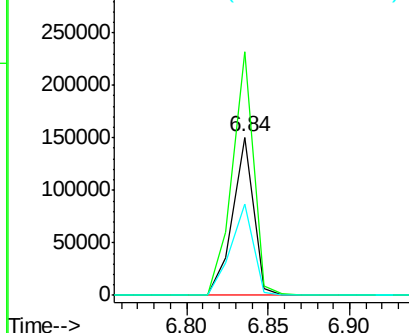
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133027
Ion Ratio Lower Upper
152 100
150 153.9 124.2 186.2
115 57.6 47.0 70.6



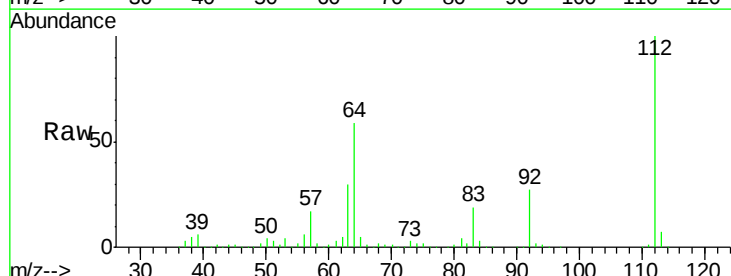
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



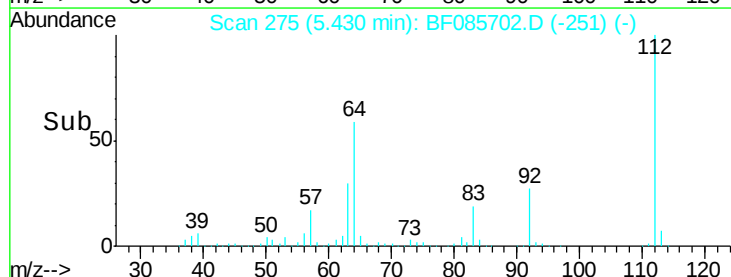
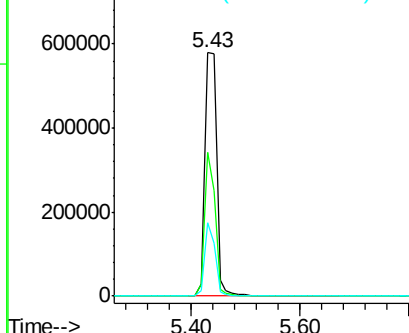
#5

2-Fluorophenol
Concen: 109.44 ng
RT: 5.43 min Scan# 275
Delta R.T. -0.02 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion:112 Resp: 866778
Ion Ratio Lower Upper
112 100
64 58.8 39.9 59.9
63 29.9 20.2 30.2



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: 103.39 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

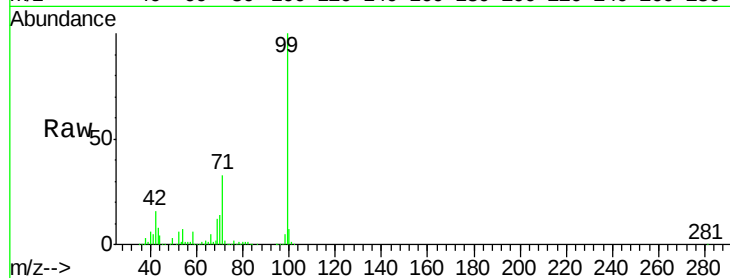
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1050210

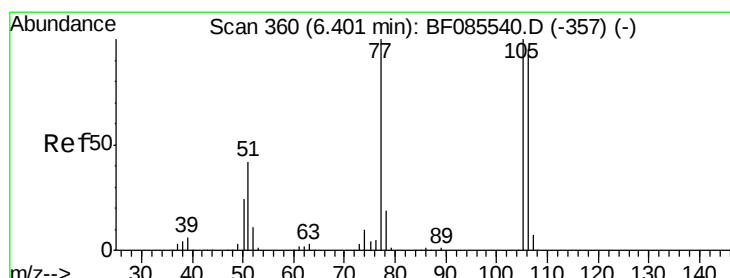
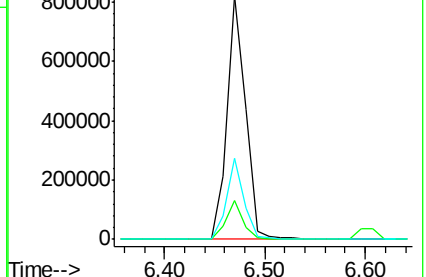
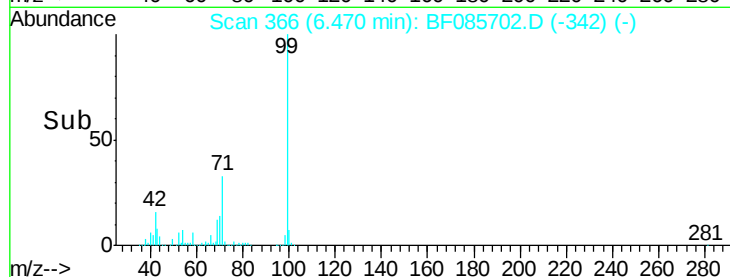
Ion	Ratio	Lower	Upper
99	100		
42	15.9	11.1	16.7
71	33.1	24.9	37.3



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



#9

Benzaldehyde

Concen: 2.08 ng

RT: 6.61 min Scan# 378

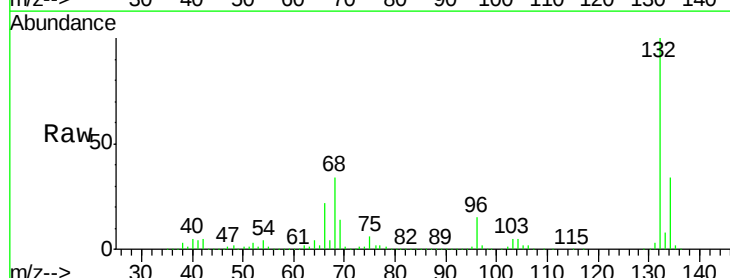
Delta R.T. 0.21 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Tgt Ion: 77 Resp: 20284

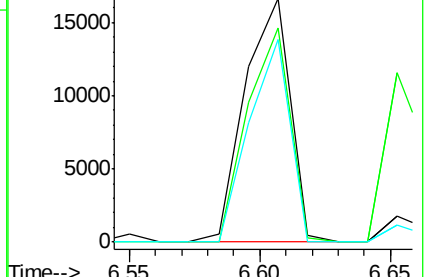
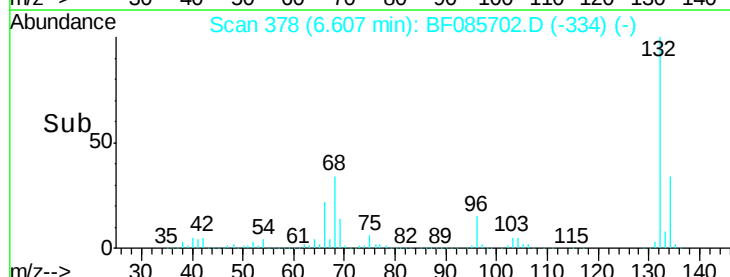
Ion	Ratio	Lower	Upper
77	100		
105	88.1	80.1	120.1
106	83.0	75.0	115.0

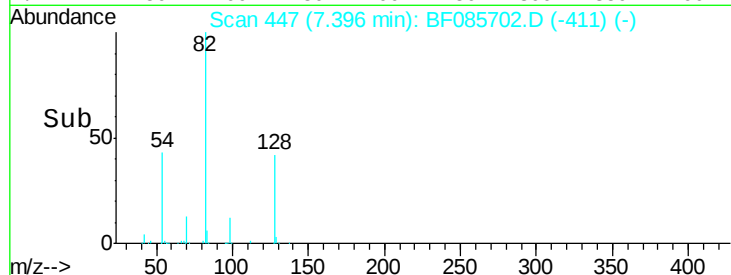
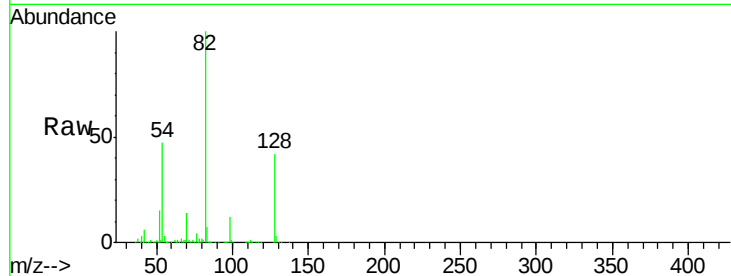
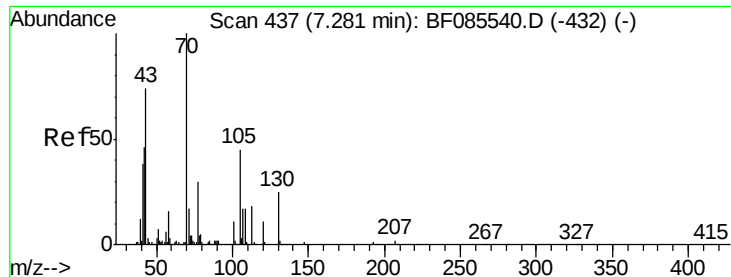


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

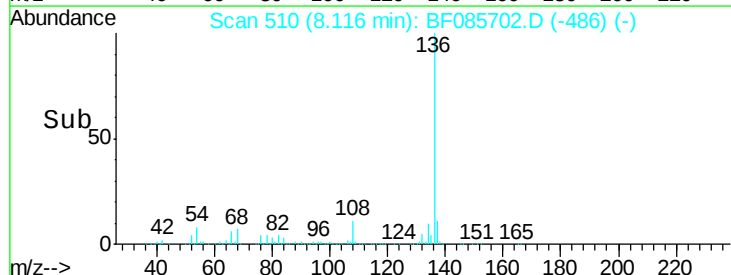
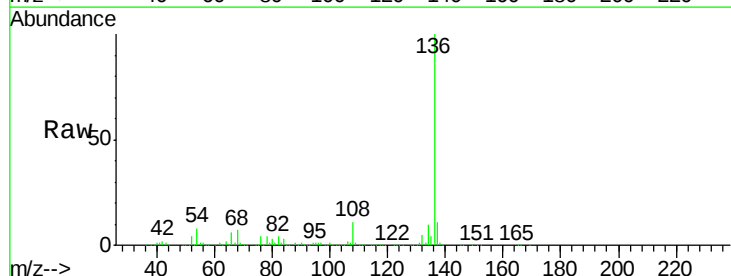
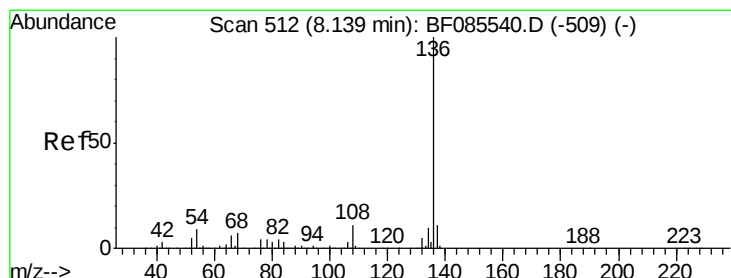
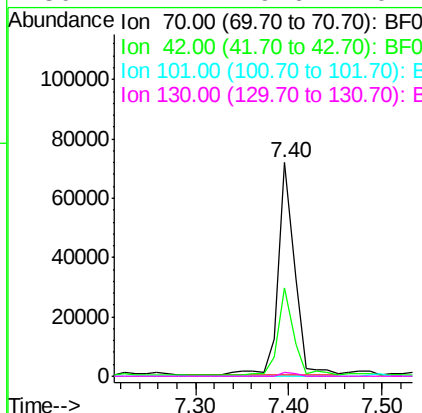




#19
n-Nitroso-di-n-propylamine
Concen: 14.36 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.11 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

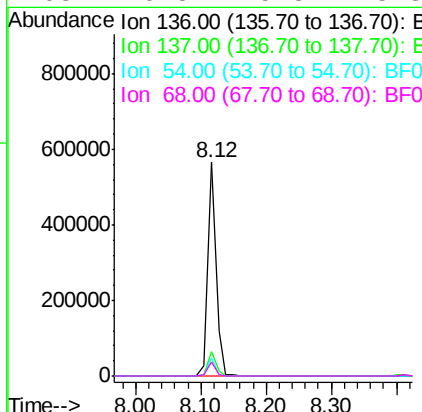
Instrument :
BNA_F
ClientSampled :

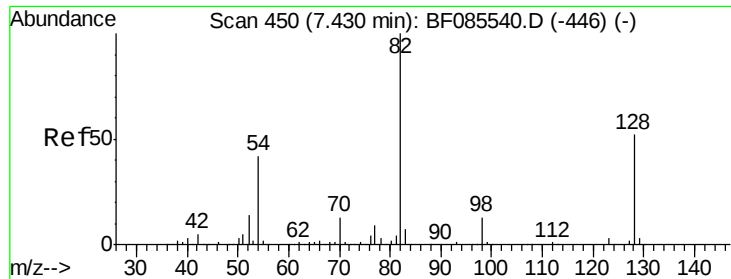
Tot Ion: 70 Resp: 87148
Ion Ratio Lower Upper
70 100
42 41.6 37.1 55.7
101 0.0 8.6 12.8#
130 2.1 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.02 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion:136 Resp: 497300
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.3 7.4 11.0
68 6.8 5.8 8.8

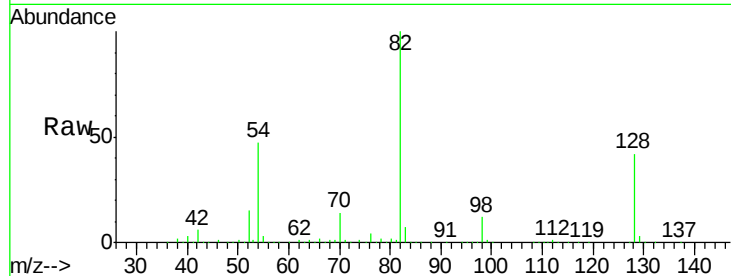




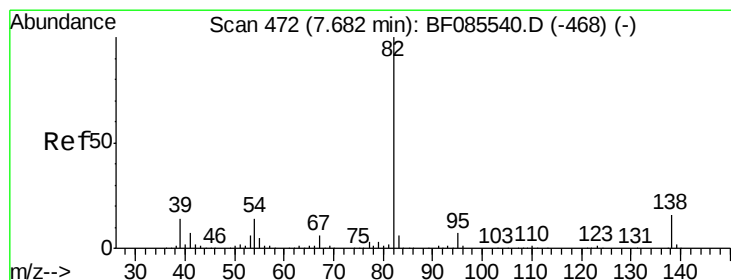
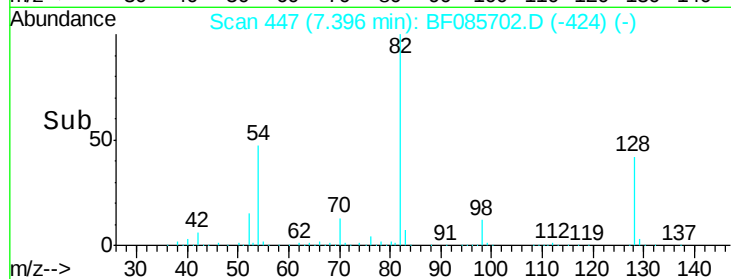
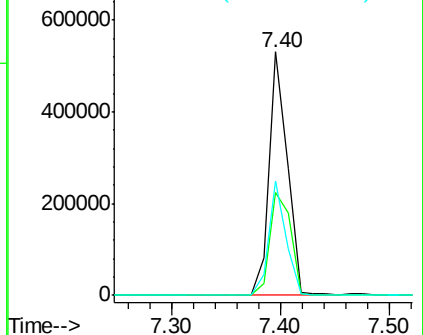
#23
Nitrobenzene-d5
Concen: 72.40 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	620308
Ion Ratio	Lower	Upper	
82	100		
128	42.1	41.8	62.8
54	47.1	33.4	50.0

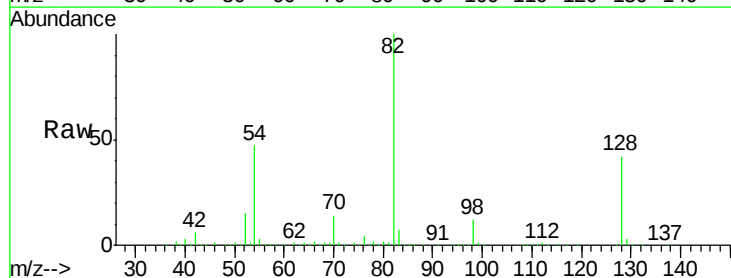


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

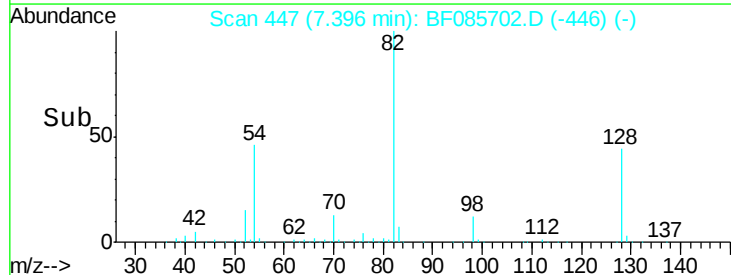
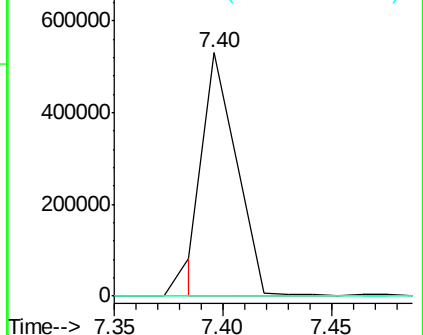


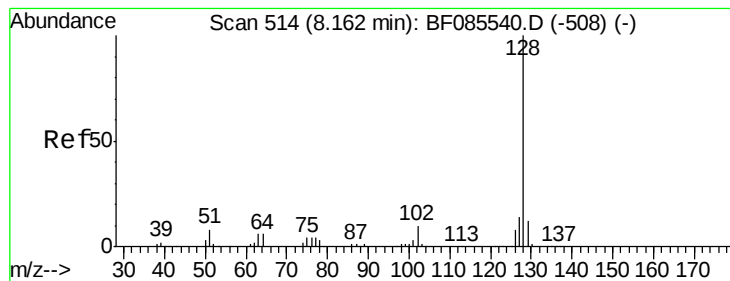
#25
Isophorone
Concen: 32.44 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.29 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion	82	Resp	556433
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.4	8.2#
138	0.0	12.9	19.3#



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





#31

Naphthalene

Concen: 2.32 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

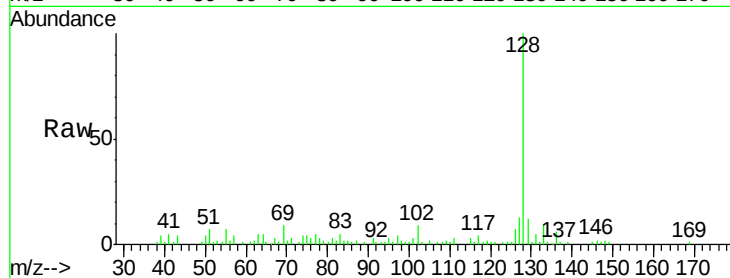
Tot Ion:128 Resp: 58307

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

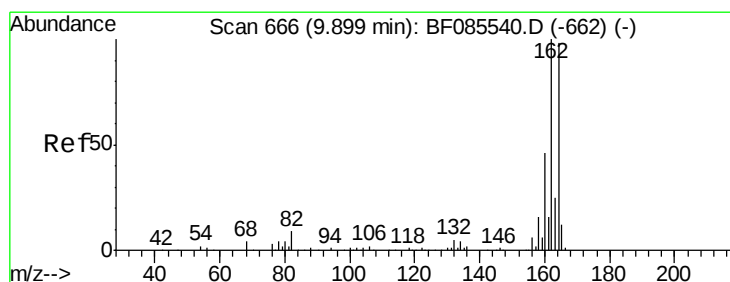
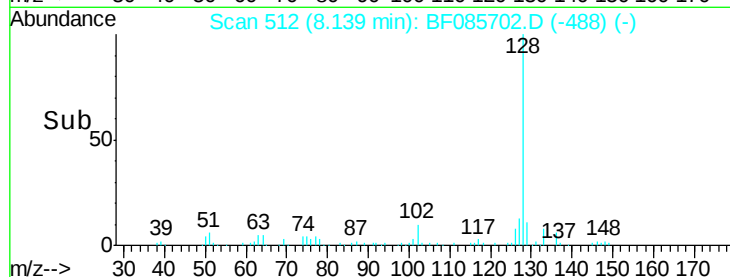
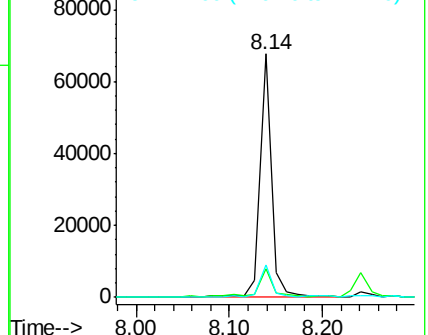
127 13.4 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

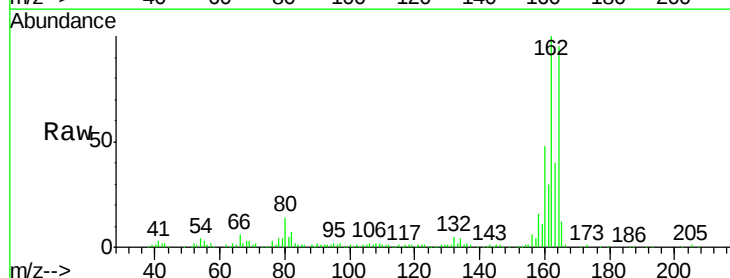
Tgt Ion:164 Resp: 201909

Ion Ratio Lower Upper

164 100

162 105.4 82.1 123.1

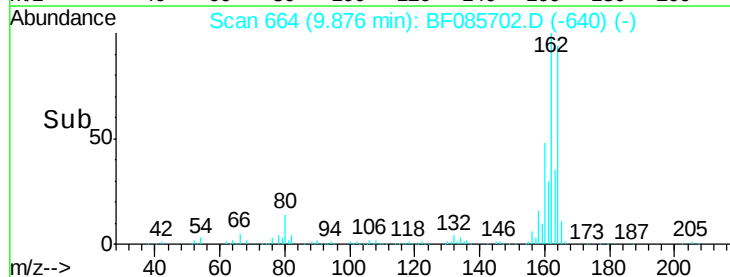
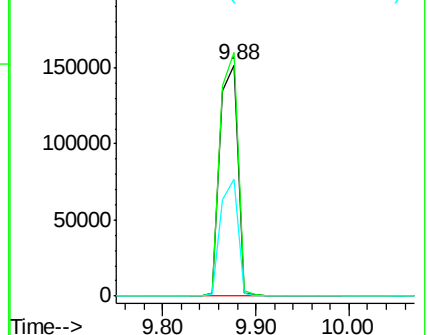
160 50.7 37.4 56.2

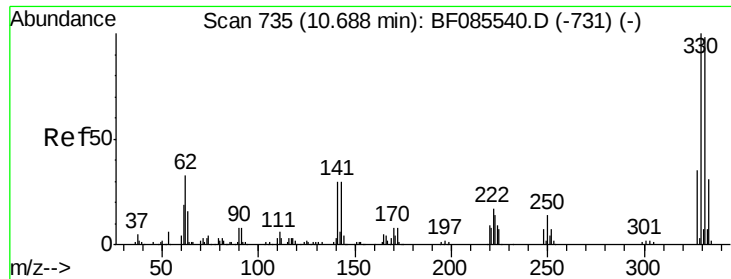


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

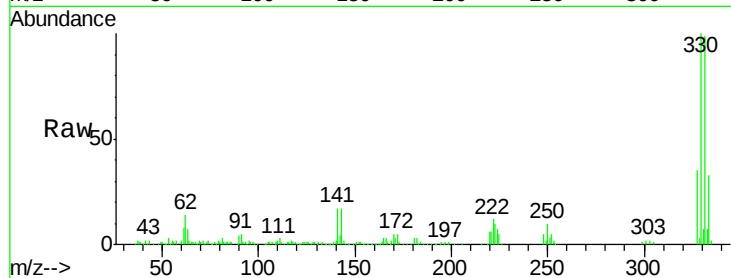




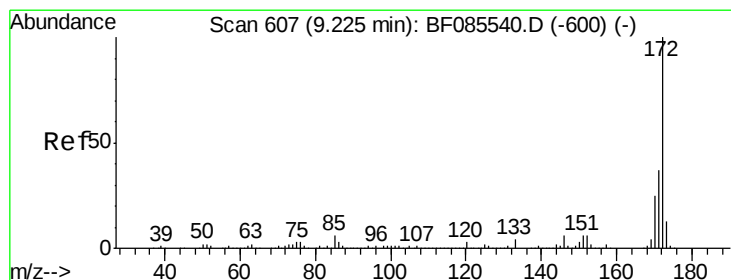
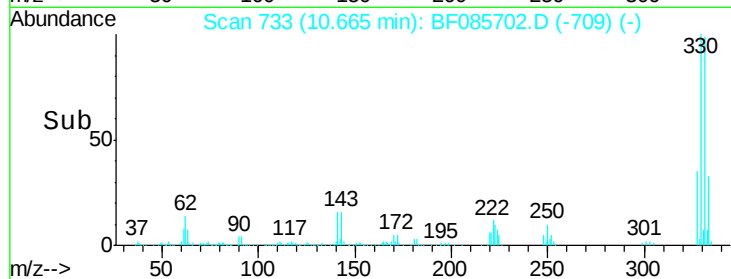
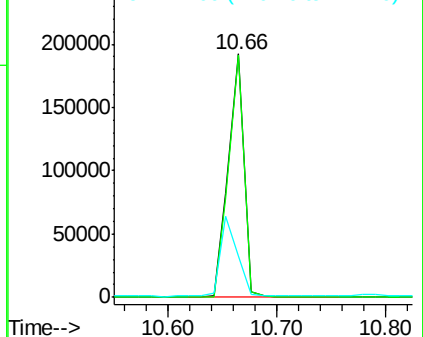
#41
 2,4,6-Tribromophenol
 Concen: 98.51 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.2
141	36.0	31.5	47.3

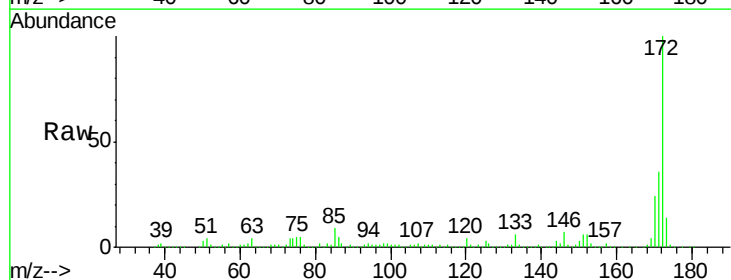


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

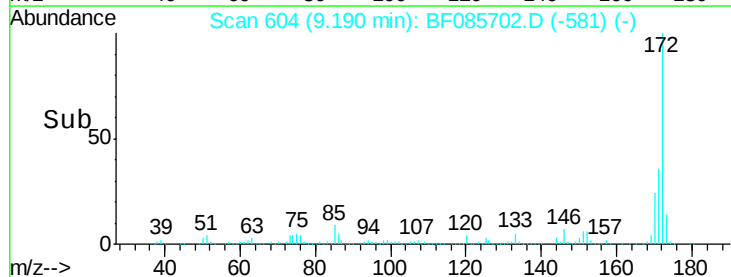
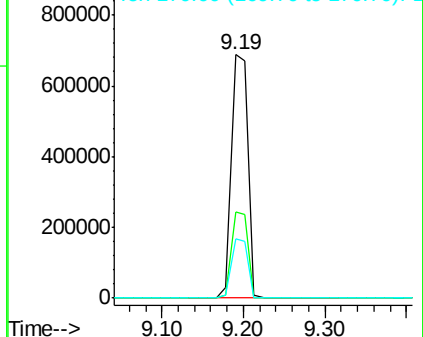


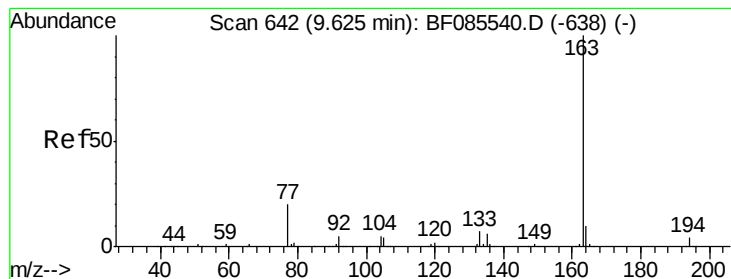
#44
 2-Fluorobiphenyl
 Concen: 80.37 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.2
170	24.1	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: 11.74 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampled :

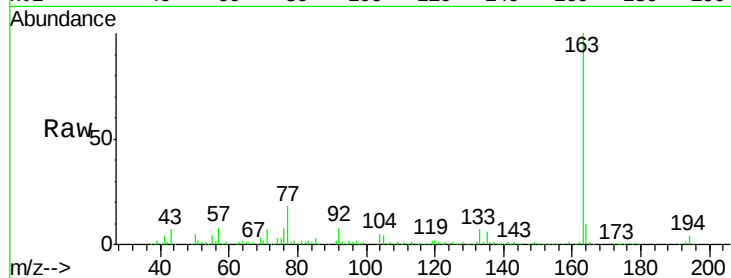
Tot Ion:163 Resp: 178882

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

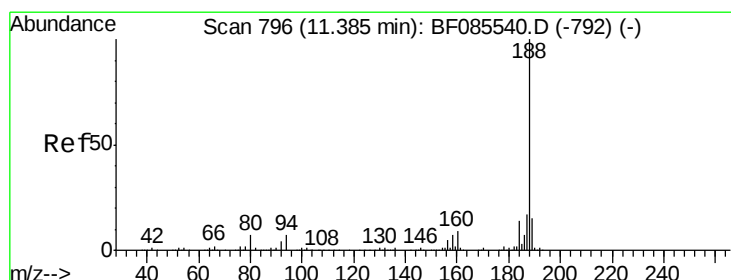
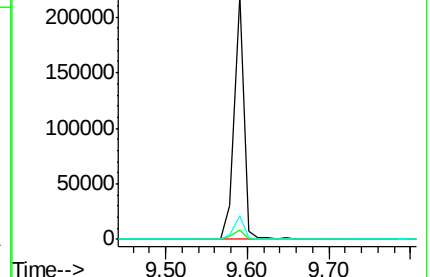
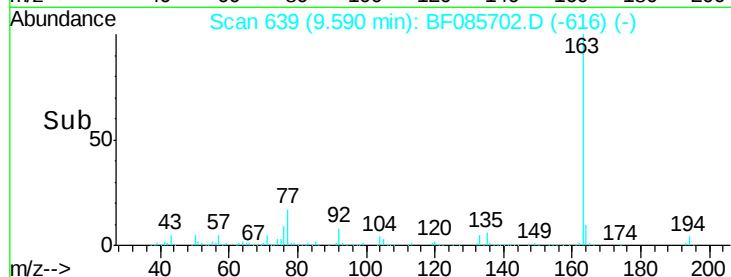
164 9.7 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.03 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

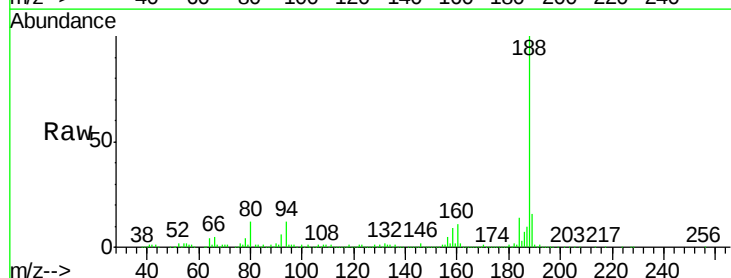
Tgt Ion:188 Resp: 310562

Ion Ratio Lower Upper

188 100

94 11.6 5.4 8.0#

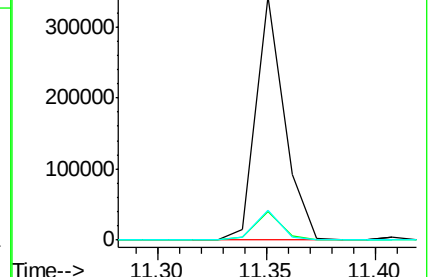
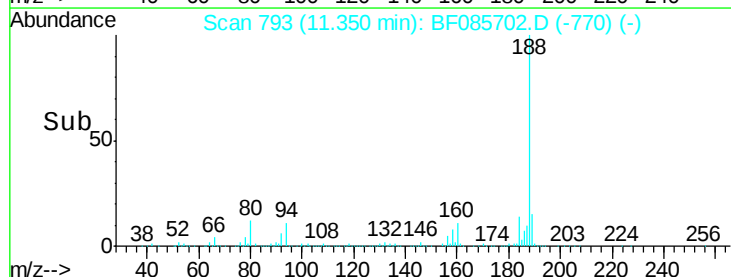
80 12.4 5.5 8.3#

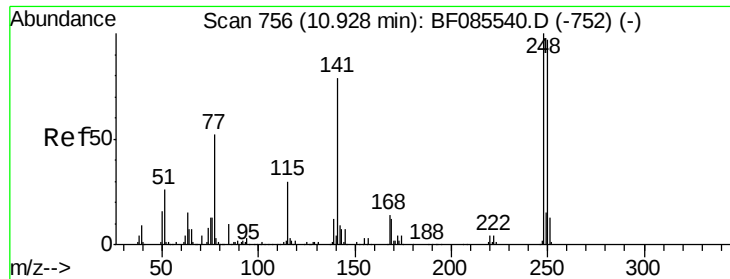


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

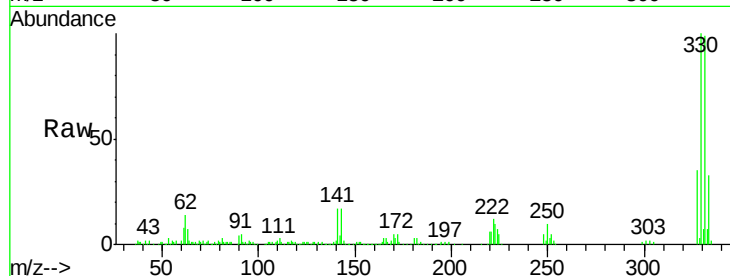




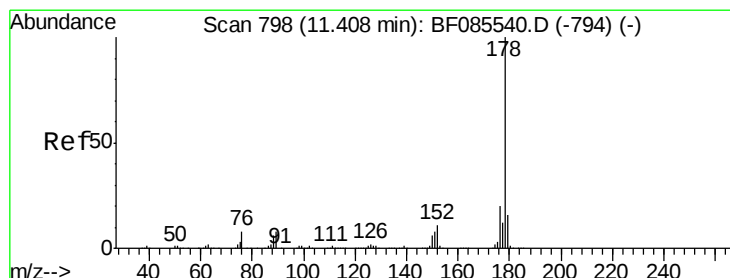
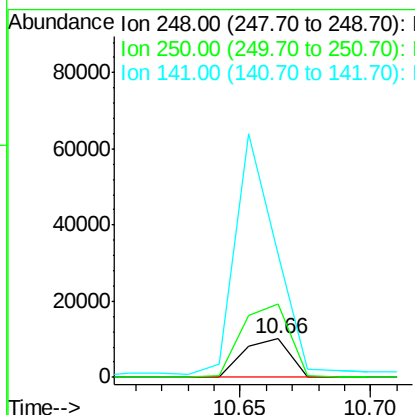
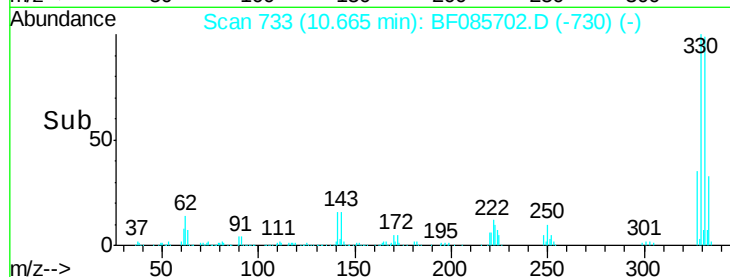
#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.26 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12550
Ion Ratio Lower Upper
248 100
250 190.6 77.4 116.0#
141 318.8 63.6 95.4#

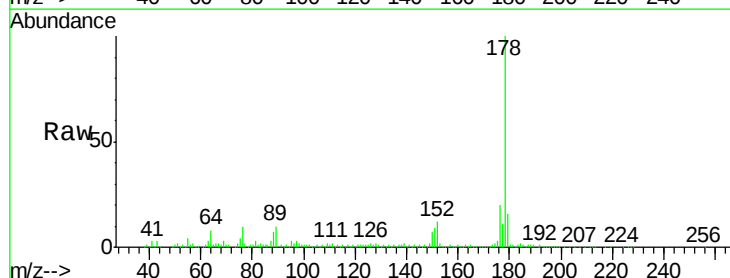


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

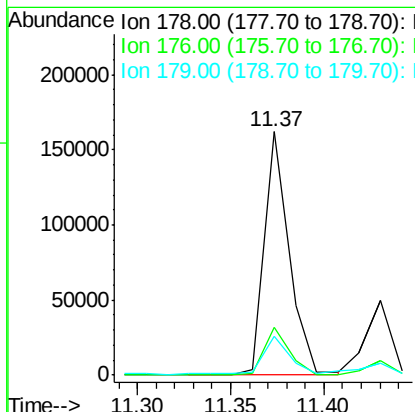
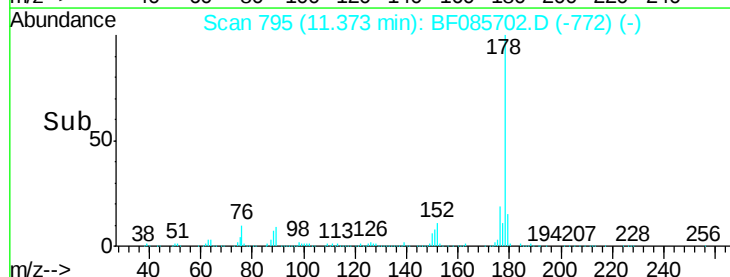


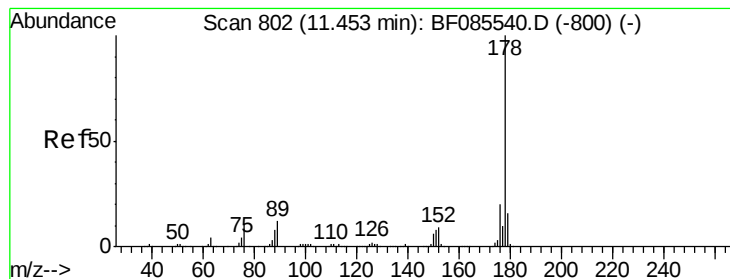
#70
Phenanthrene
Concen: 9.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion:178 Resp: 147352
Ion Ratio Lower Upper
178 100
176 19.6 16.3 24.5
179 15.8 12.6 18.8



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: 2.70 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

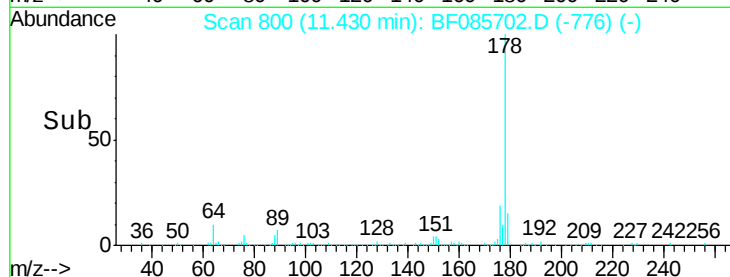
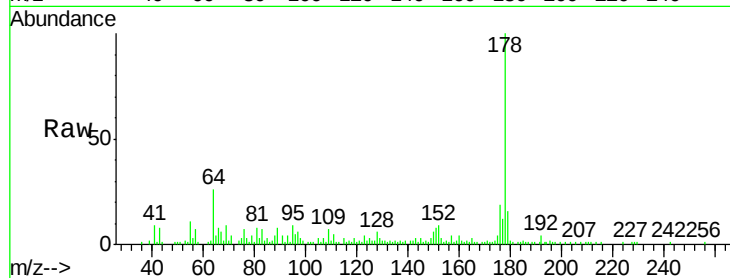
Tot Ion:178 Resp: 46441

Ion Ratio Lower Upper

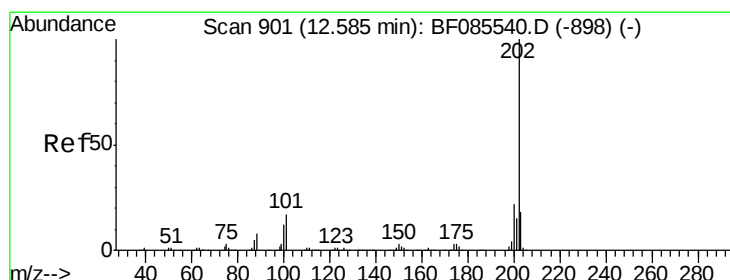
178 100

176 19.2 15.9 23.9

179 16.4 13.0 19.4



Time-->



#74

Fluoranthene

Concen: 10.71 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

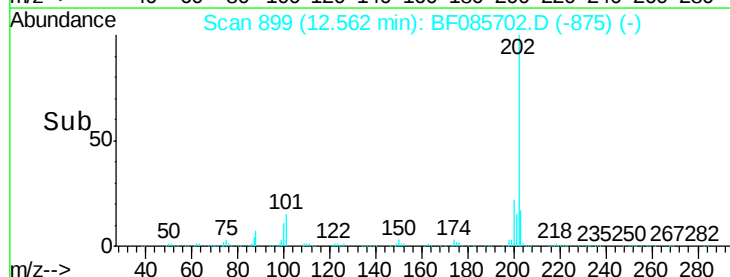
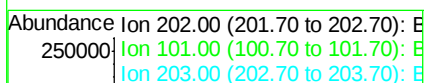
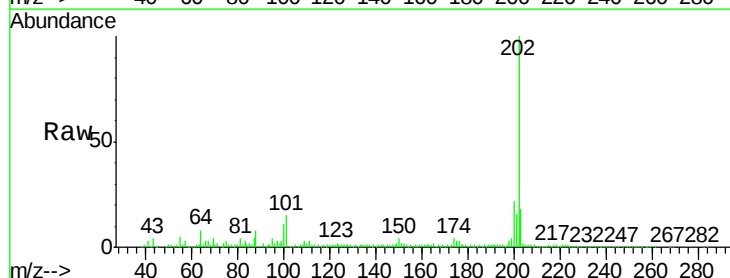
Tgt Ion:202 Resp: 183691

Ion Ratio Lower Upper

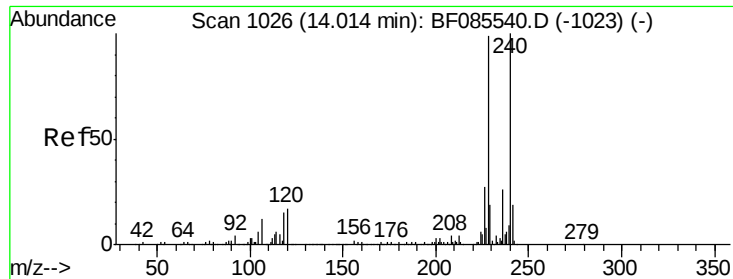
202 100

101 15.0 0.0 36.6

203 17.6 0.0 38.1



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

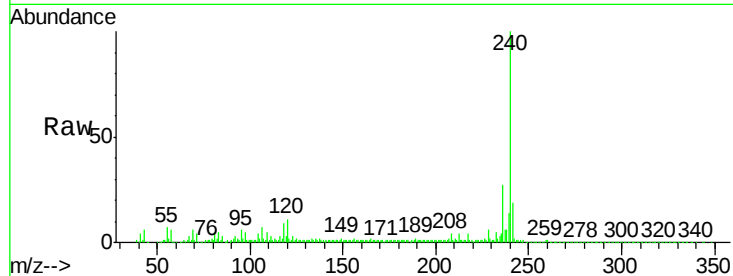
Tot Ion:240 Resp: 243062

Ion Ratio Lower Upper

240 100

120 10.6 13.8 20.8#

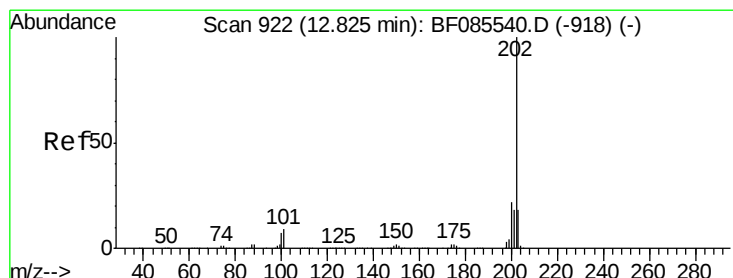
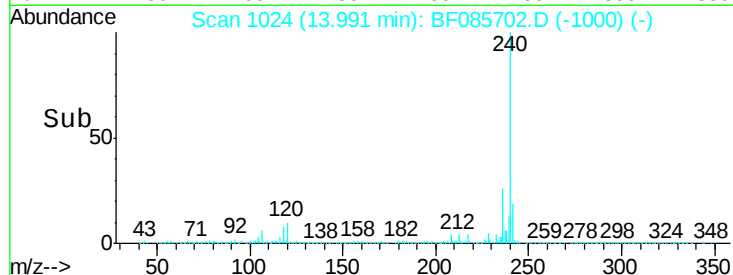
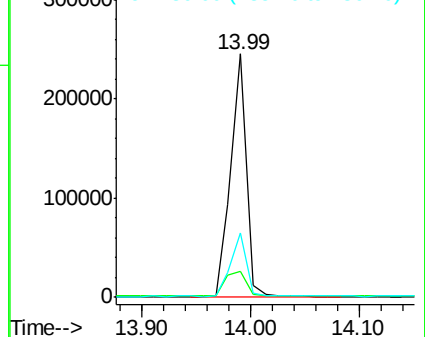
236 26.6 20.6 30.8



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: 10.42 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

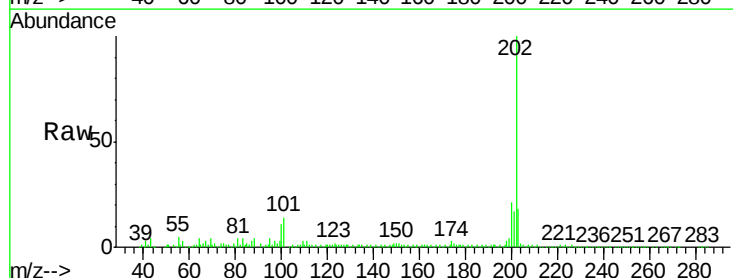
Tgt Ion:202 Resp: 181889

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

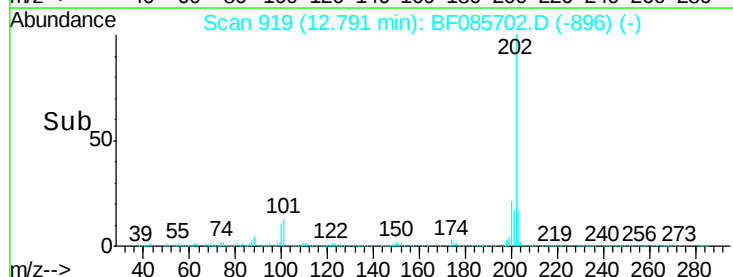
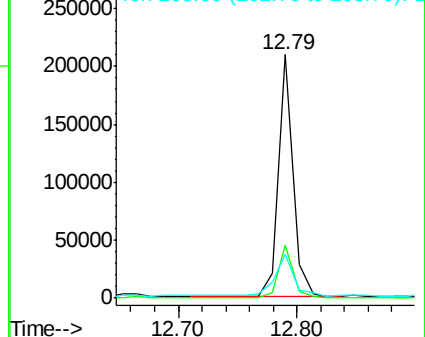
203 18.0 14.0 21.0

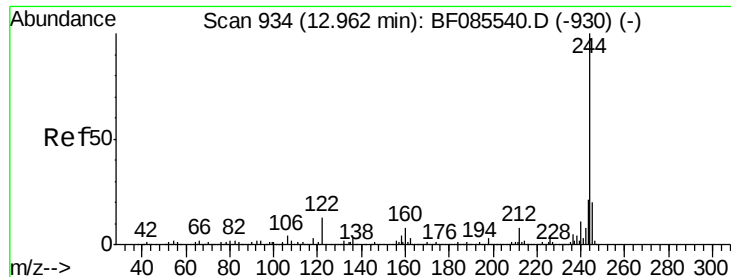


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.31 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

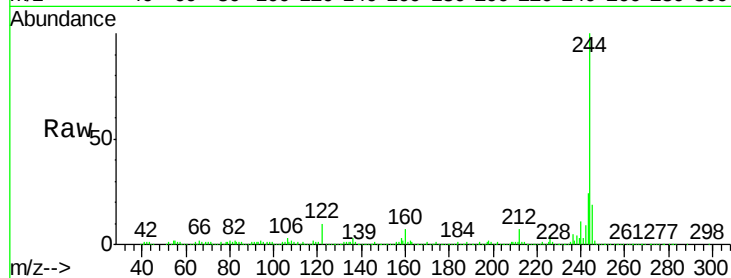
Tot Ion:244 Resp: 639458

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

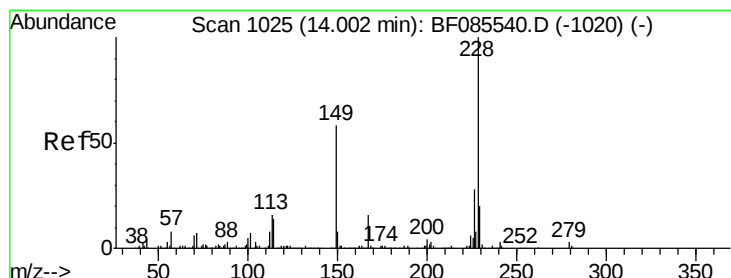
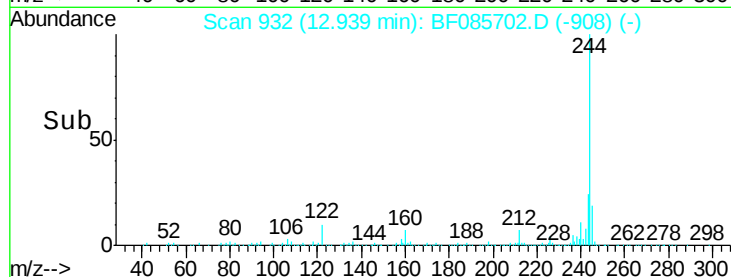
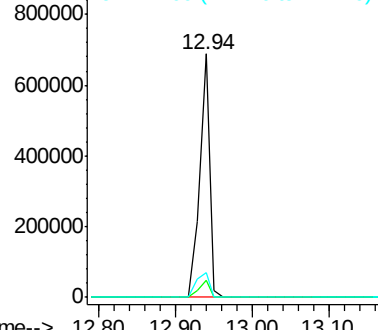
122 9.9 10.2 15.4#



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



#80

Benzo(a)anthracene

Concen: 5.64 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

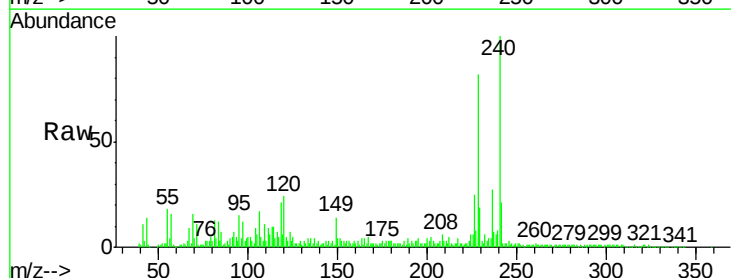
Tgt Ion:228 Resp: 79611

Ion Ratio Lower Upper

228 100

226 30.5 22.1 33.1

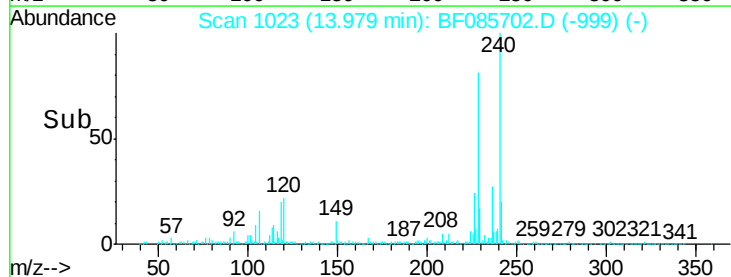
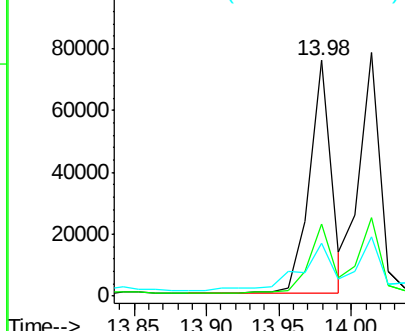
229 22.7 16.2 24.4

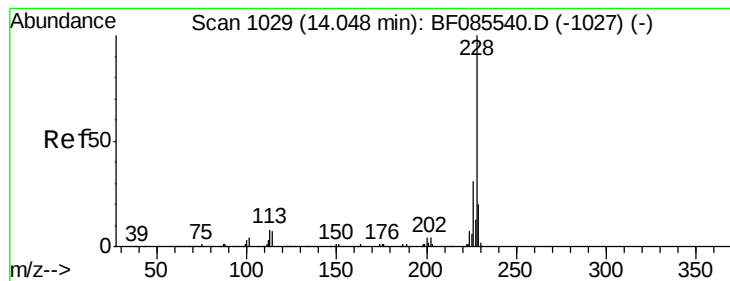


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.86 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.07 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

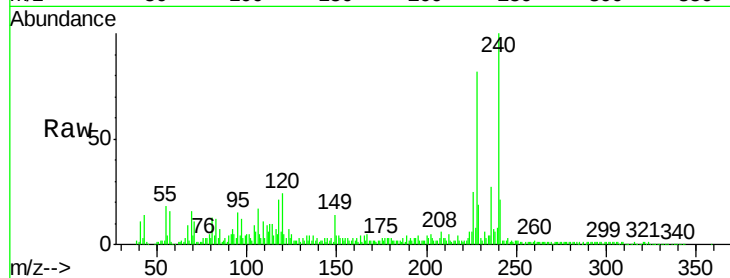
Tot Ion:228 Resp: 79611

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

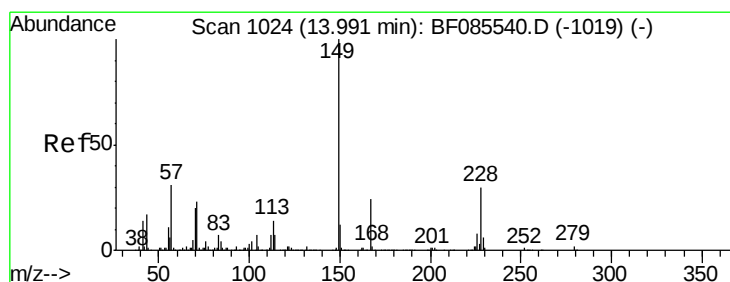
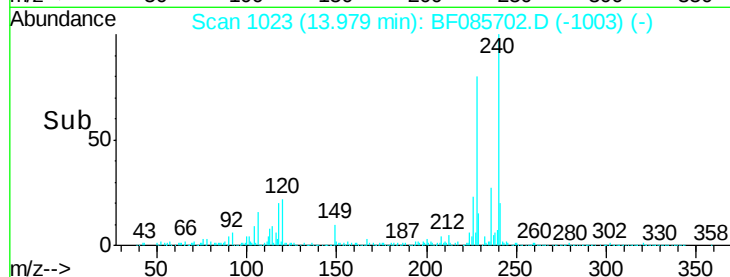
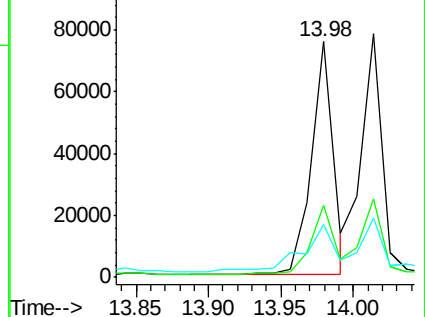
229 22.7 15.7 23.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.78 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

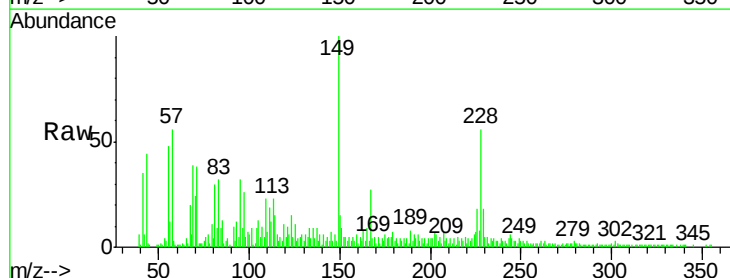
Tgt Ion:149 Resp: 39089

Ion Ratio Lower Upper

149 100

167 26.9 19.4 29.2

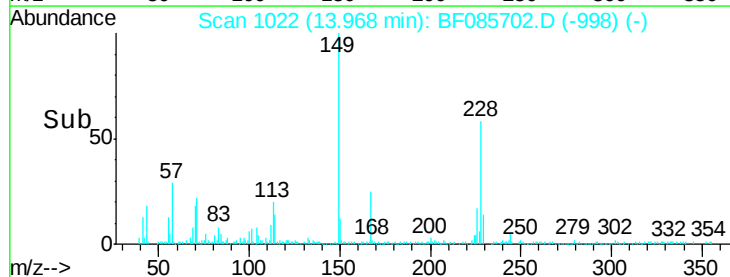
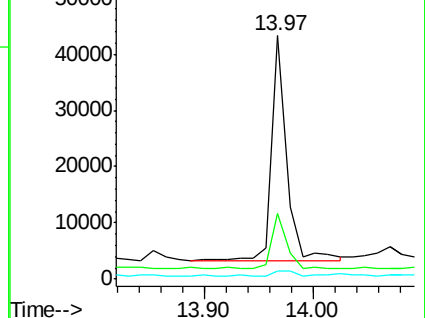
279 3.4 1.5 2.3#

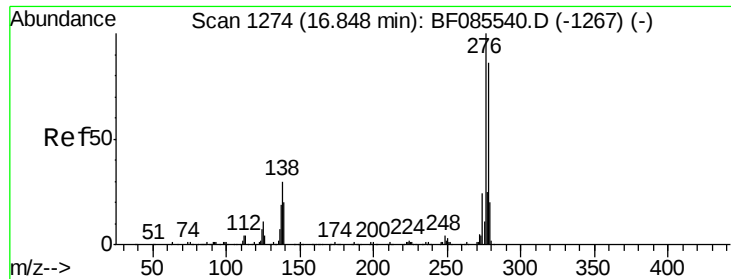


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.39 ng

RT: 16.80 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

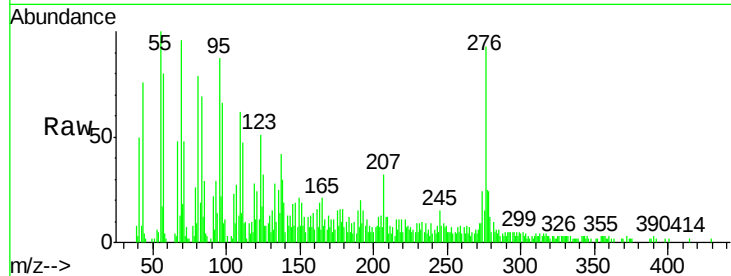
Tot Ion:276 Resp: 27128

Ion Ratio Lower Upper

276 100

138 27.8 24.2 36.4

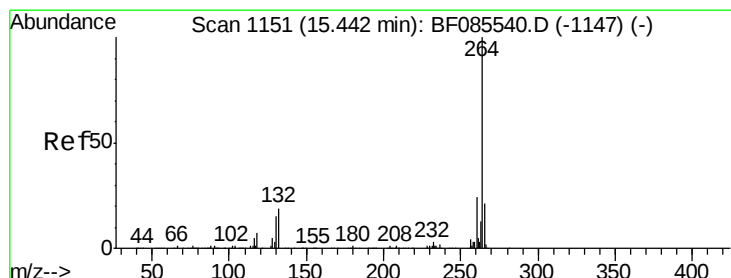
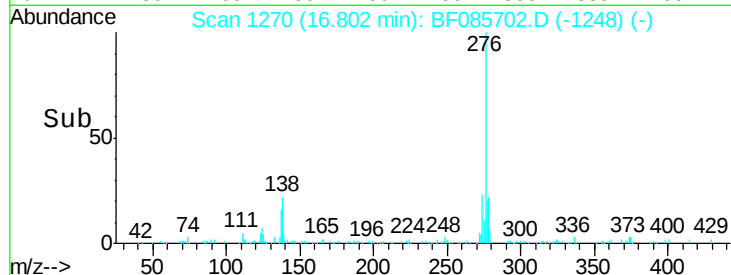
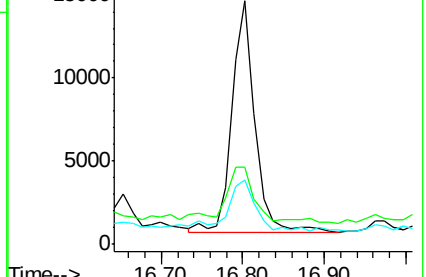
277 27.4 20.0 30.0



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

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1148

Delta R.T. -0.03 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

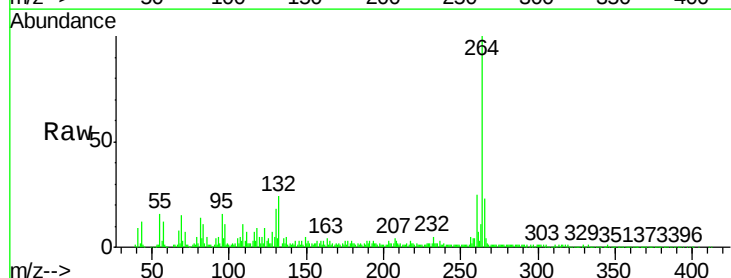
Tgt Ion:264 Resp: 178654

Ion Ratio Lower Upper

264 100

260 25.1 19.4 29.2

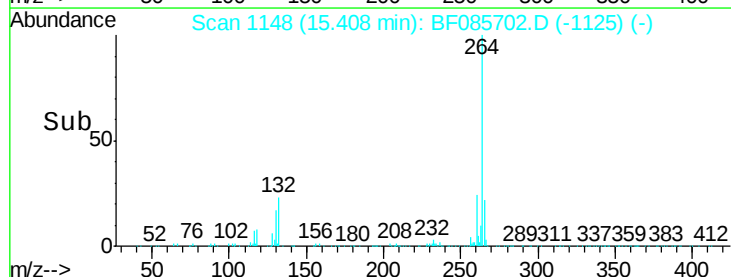
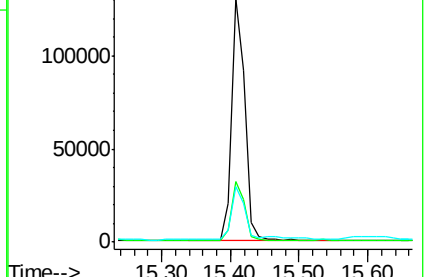
265 22.7 17.2 25.8

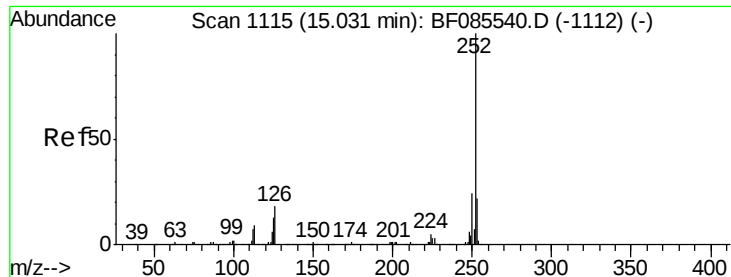


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

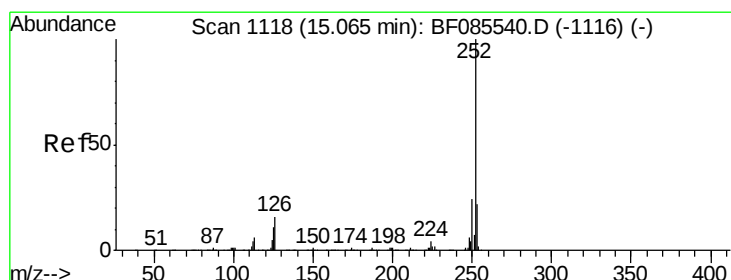
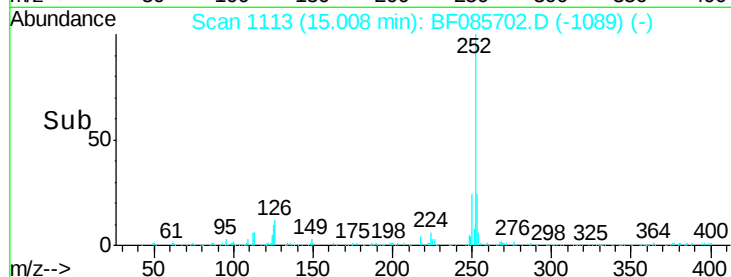
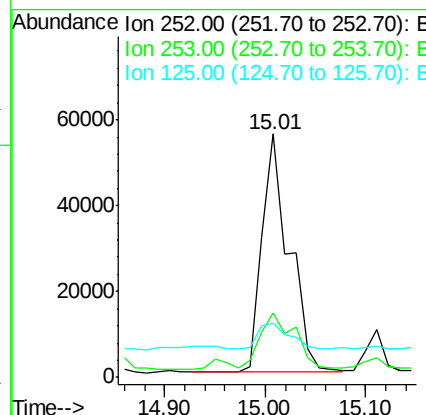
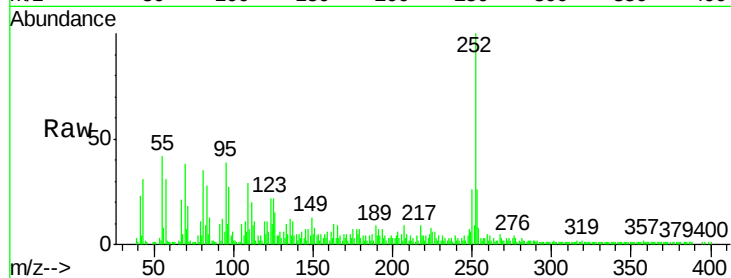




#87
Benzo(b)fluoranthene
Concen: 8.91 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

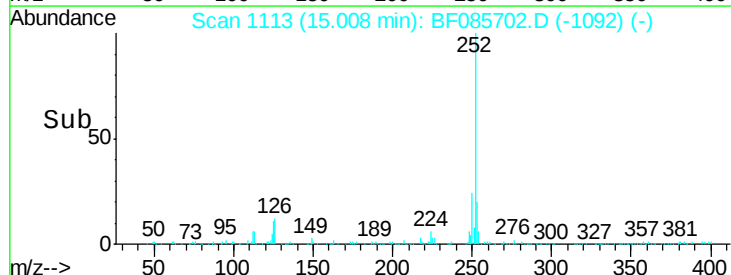
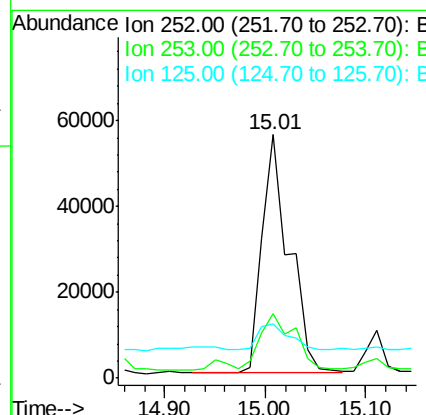
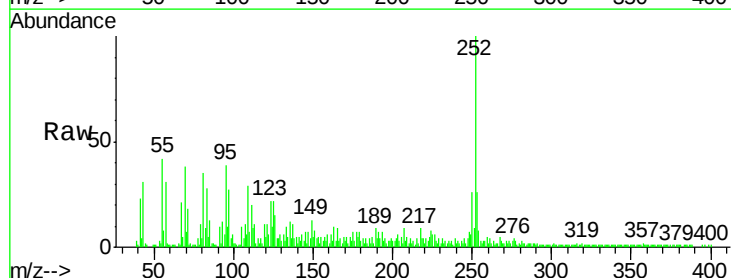
Instrument :
BNA_F
ClientSampleId :

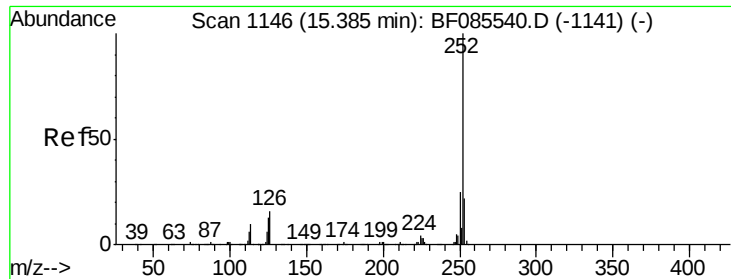
Tot Ion:252 Resp: 103873
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 22.3 10.3 15.5#



#88
Benzo(k)fluoranthene
Concen: 10.82 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.06 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion:252 Resp: 103873
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.6
125 22.3 7.7 11.5#

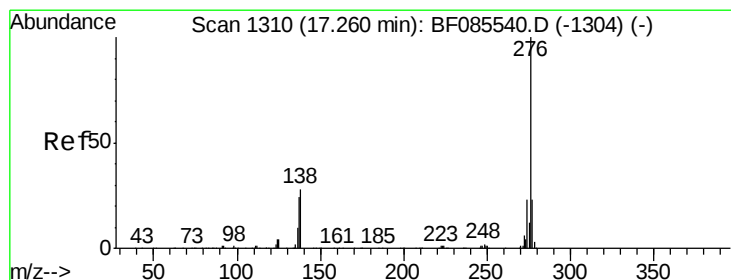
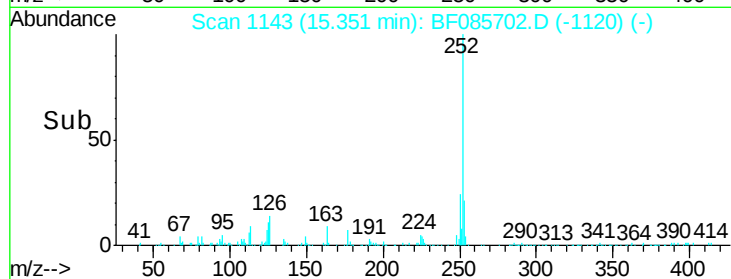
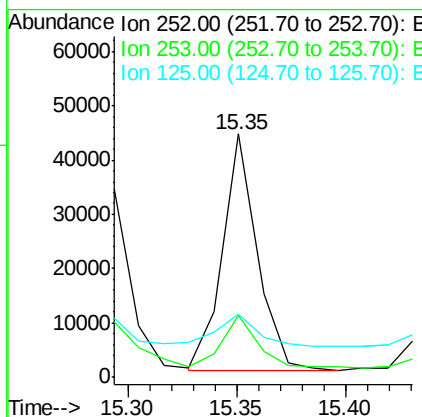
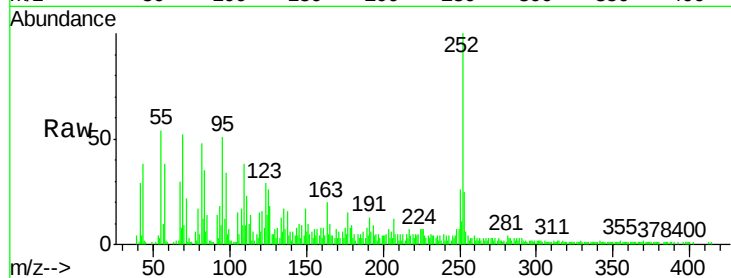




#89
Benzo(a)pyrene
Concen: 4.93 ng
RT: 15.35 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 48692
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.0
125 25.8 10.3 15.5#



#91
Benzo(g,h,i)perylene
Concen: 3.08 ng
RT: 17.21 min Scan# 1306
Delta R.T. -0.05 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion:276 Resp: 24545
Ion Ratio Lower Upper
276 100
277 27.7 18.8 28.2
138 39.3 22.6 34.0#

