

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085691.D
 Acq On : 23 Mar 2016 7:24
 Operator : UM/SJ
 Sample : H1857-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)

Quant Time: Mar 23 07:09:51 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	131655	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	534455	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	236810	20.00	ng	-0.03
63) Phenanthrene-d10	11.36	188	382697	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	211047	20.00	ng	-0.01
86) Perylene-d12	15.42	264	245847	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	910816	116.20	ng	-0.02
7) Phenol-d6	6.47	99	1131018	112.51	ng	-0.02
23) Nitrobenzene-d5	7.40	82	687535	74.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	264170	113.88	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	1074238	75.16	ng	-0.03
78) Terphenyl-d14	12.94	244	694323	79.17	ng	-0.02

Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	20125	2.09	ng	80
18) Hexachloroethane	7.41	117	16545	4.55	ng	# 9
20) 3+4-Methylphenols	7.25	107	24172	2.78	ng	# 60
25) Isophorone	7.40	82	554029	30.05	ng	# 68
27) 2,4-Dimethylphenol	7.77	122	21995	2.50	ng	99
31) Naphthalene	8.14	128	955314	35.41	ng	99
32) Benzoic acid	7.91	122	24683	3.35	ng	# 13
33) 4-Chloroaniline	8.14	127	130273	11.78	ng	# 34
35) Caprolactam	8.54	113	6170	2.47	ng	# 27
36) 4-Chloro-3-methylphenol	8.69	107	51043	6.01	ng	# 21
37) 2-Methylnaphthalene	8.84	142	398296	24.22	ng	98
45) 1,1'-Biphenyl	9.29	154	151457	7.41	ng	95
49) Dimethylphthalate	9.59	163	226825	12.69	ng	99
51) Acenaphthene	9.91	154	870980	57.47	ng	98
54) Dibenzofuran	10.08	168	868712	47.07	ng	96
55) 4-Nitrophenol	10.08	139	356492	97.62	ng	# 11
56) 2,4-Dinitrotoluene	10.02	165	21206	4.29	ng	# 68
57) Fluorene	10.42	166	1017175	66.13	ng	100
61) 4-Nitroaniline	10.42	138	12784	2.74	ng	# 28
66) 4-Bromophenyl-phenylether	10.66	248	17911	4.68	ng	# 1
70) Phenanthrene	11.40	178	4149154	205.62	ng	97
71) Anthracene	11.44	178	1724753	81.52	ng	99
72) Carbazole	11.59	167	736570	40.35	ng	100
74) Fluoranthene	12.58	202	2962784	140.23	ng	92
77) Pyrene	12.81	202	2861320	188.82	ng	95
80) Benzo(a)anthracene	13.99	228	1474352	120.34	ng	97
82) Chrysene	13.99	228	1474352	125.08	ng	95
83) Bis(2-ethylhexyl)phthalate	13.97	149	45787	5.10	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	86000	8.73	ng	96
87) Benzo(b)fluoranthene	15.02	252	1697569	105.82	ng	97
88) Benzo(k)fluoranthene	15.02	252	1697569	128.45	ng	# 95
89) Benzo(a)pyrene	15.36	252	974517	71.66	ng	97
90) Dibenzo(a,h)anthracene	16.96	278	115701	10.20	ng	93
91) Benzo(g,h,i)perylene	17.23	276	390713	35.59	ng	95

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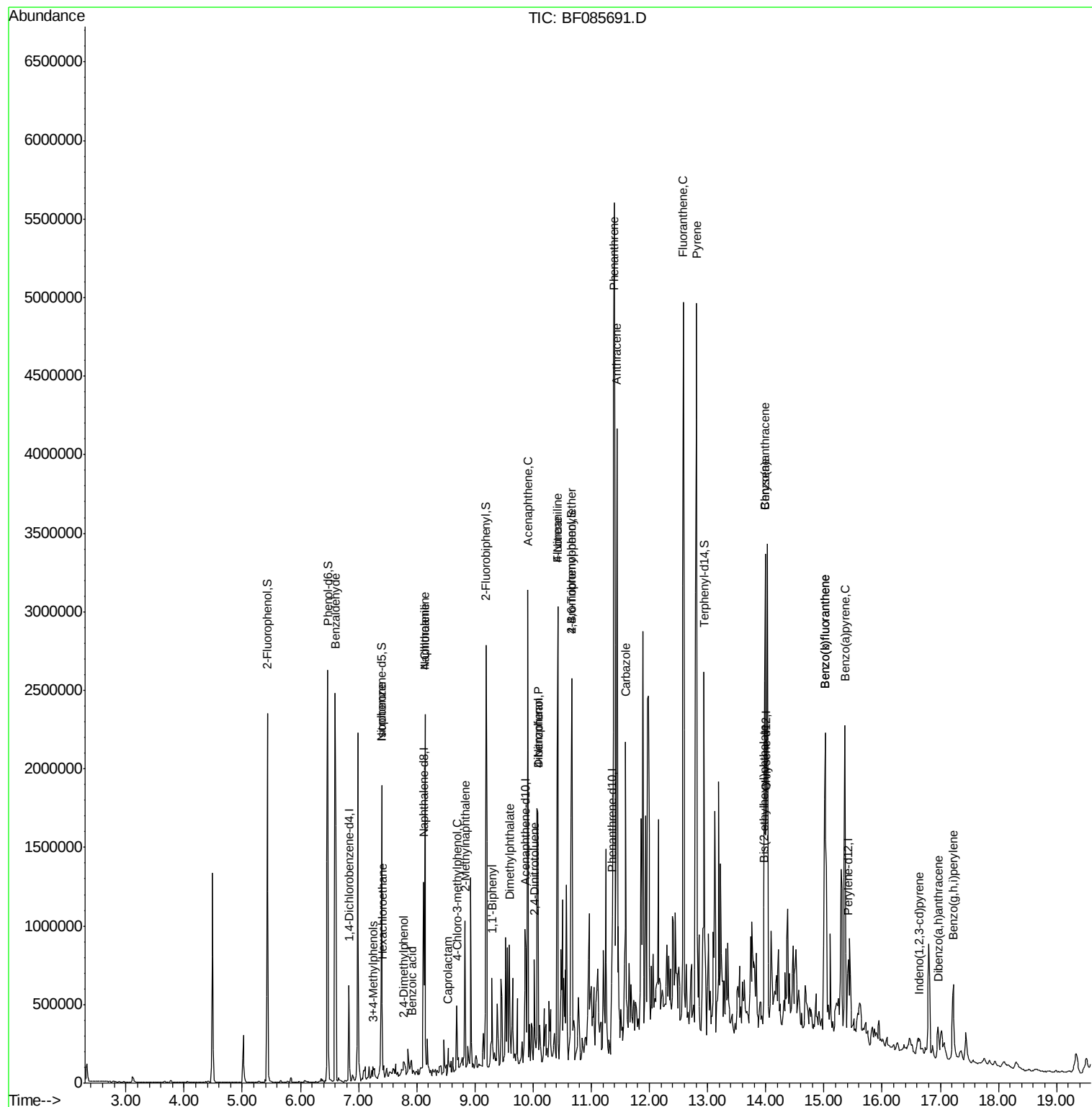
-----	-----	-----	-----	-----	-----	-----
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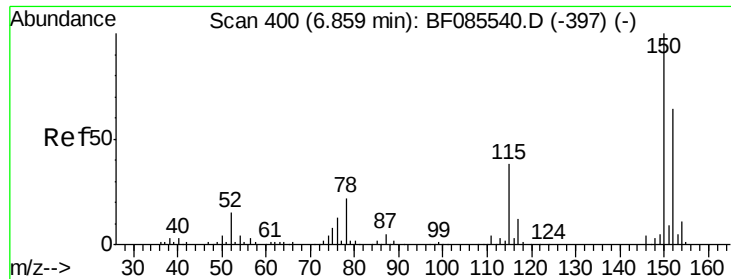
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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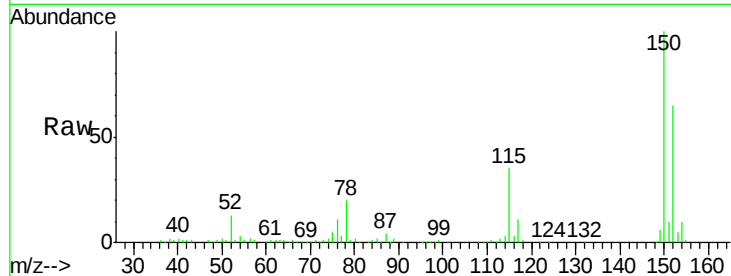


#1

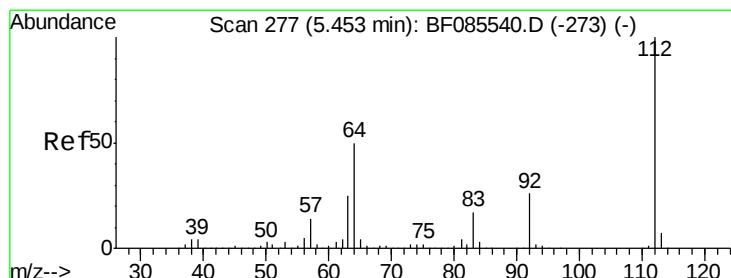
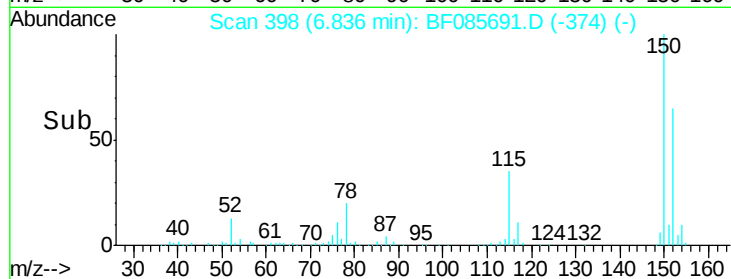
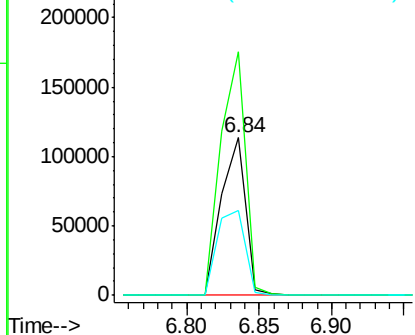
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: BF085691.D
 Acq: 23 Mar 2016 7:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)

Tgt Ion:152 Resp: 131655
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.2 186.2
 115 54.2 47.0 70.6



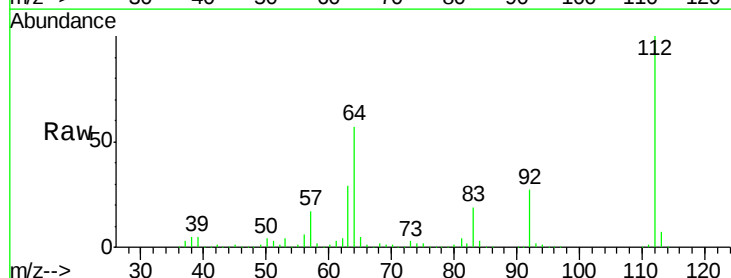
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



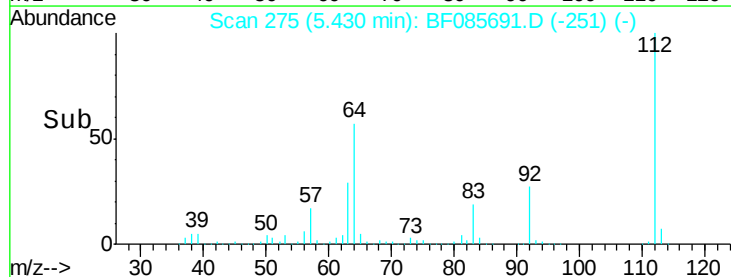
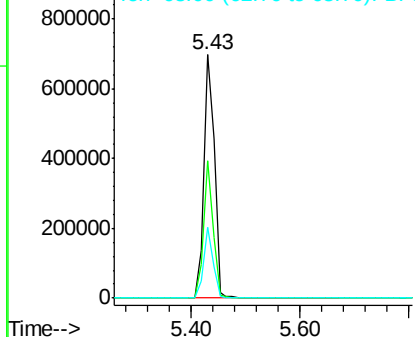
#5

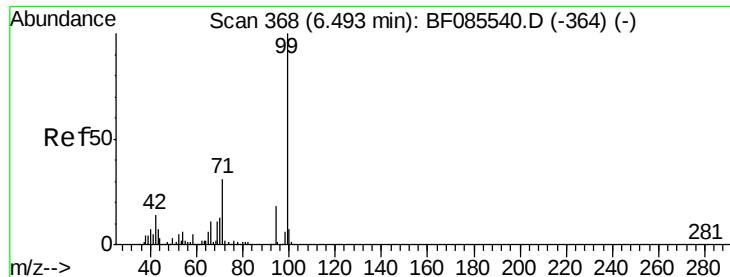
2-Fluorophenol
 Concen: 116.20 ng
 RT: 5.43 min Scan# 275
 Delta R.T. -0.02 min
 Lab File: BF085691.D
 Acq: 23 Mar 2016 7:24

Tgt Ion:112 Resp: 910816
 Ion Ratio Lower Upper
 112 100
 64 56.6 39.9 59.9
 63 29.1 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: 112.51 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

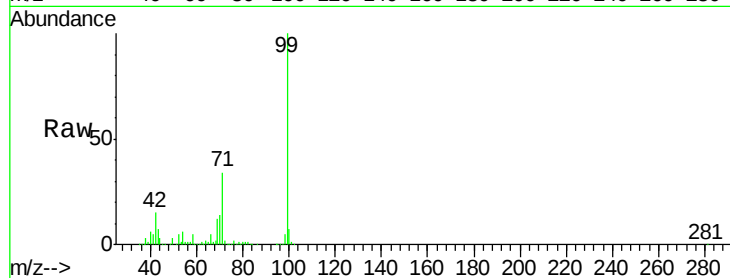
Tgt Ion: 99 Resp: 1131018

Ion Ratio Lower Upper

99 100

42 15.3 11.1 16.7

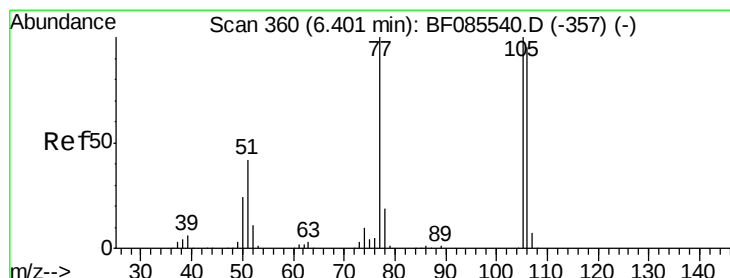
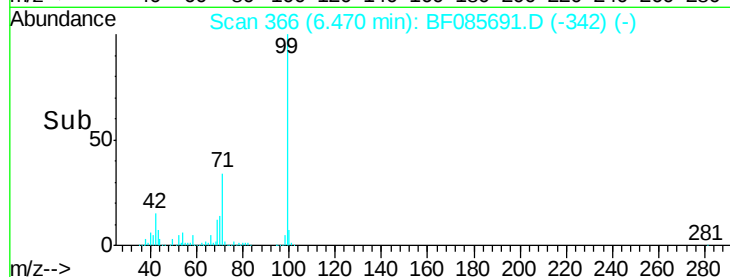
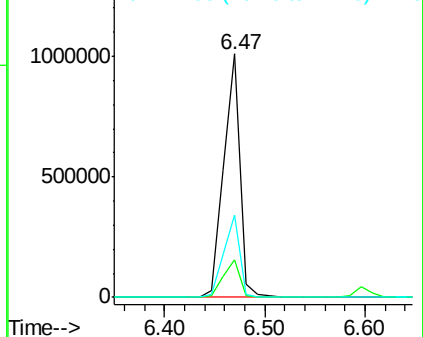
71 33.6 24.9 37.3



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: 2.09 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.19 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

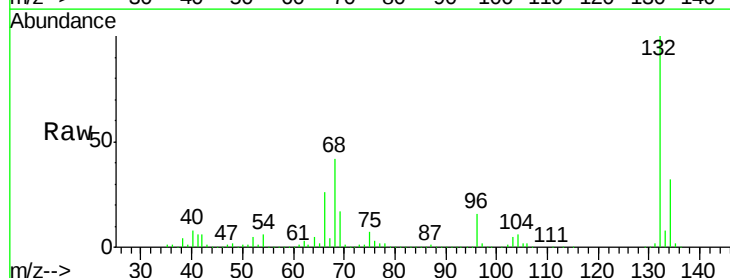
Tgt Ion: 77 Resp: 20125

Ion Ratio Lower Upper

77 100

105 80.3 80.1 120.1

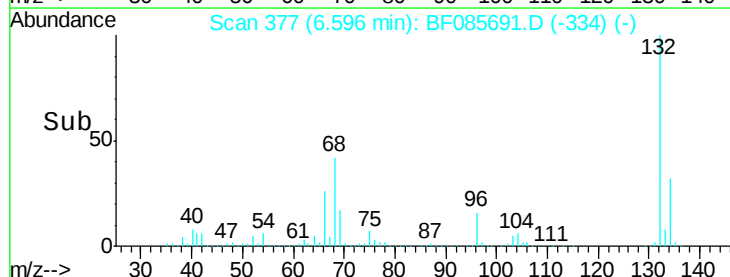
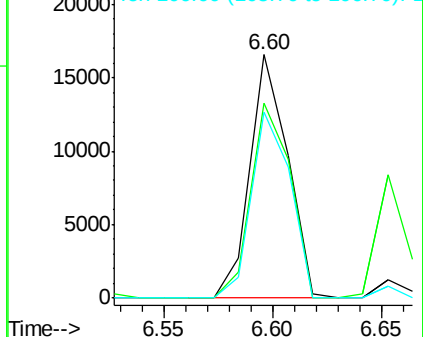
106 76.2 75.0 115.0

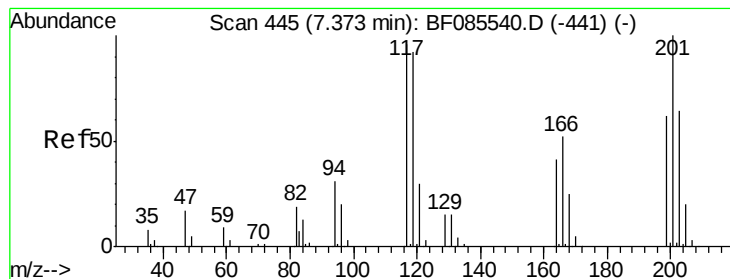


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#18

Hexachloroethane

Concen: 4.55 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.03 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

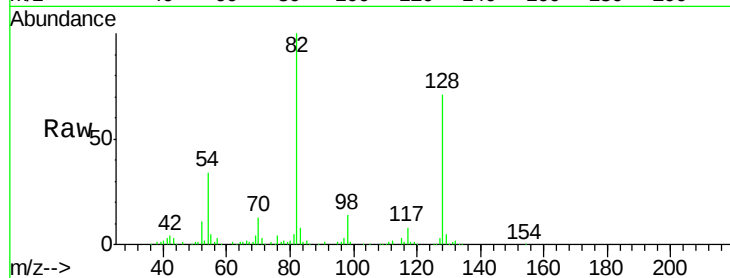
Tgt Ion:117 Resp: 16545

Ion Ratio Lower Upper

117 100

119 17.8 76.7 115.1#

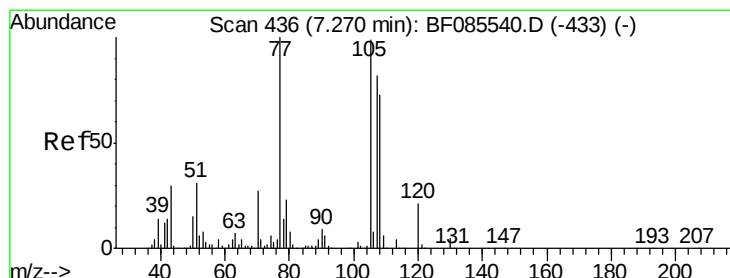
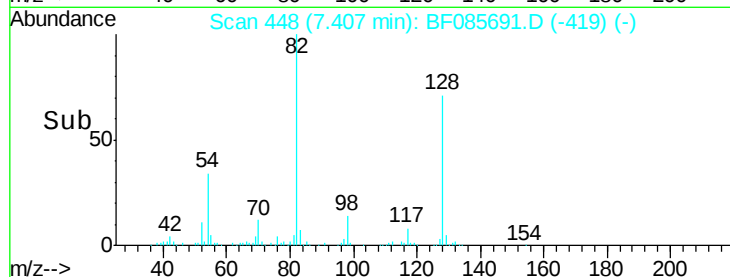
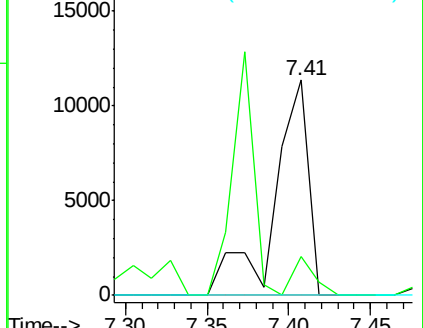
201 0.0 83.3 124.9#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#20

3+4-Methylphenols

Concen: 2.78 ng

RT: 7.25 min Scan# 434

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Tgt Ion:107 Resp: 24172

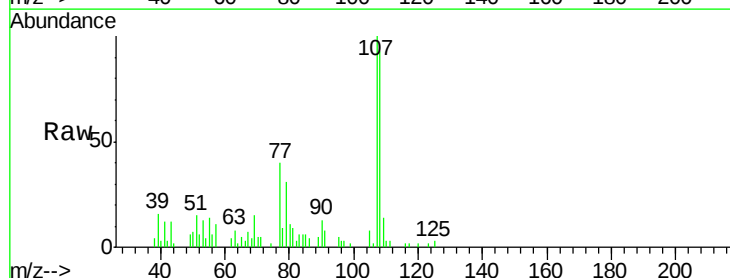
Ion Ratio Lower Upper

107 100

108 93.4 69.3 109.3

77 39.5 101.7 141.7#

79 31.2 8.3 48.3

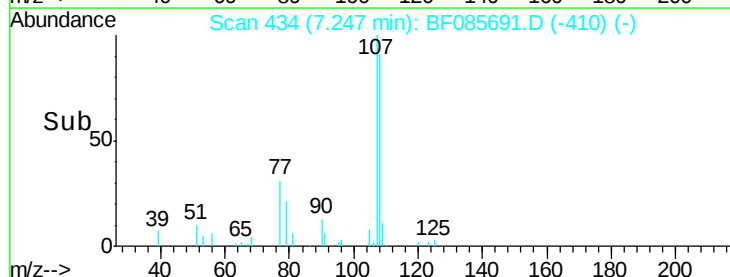
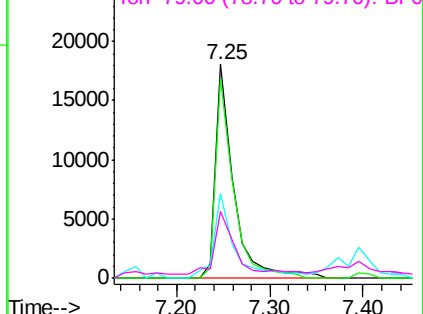


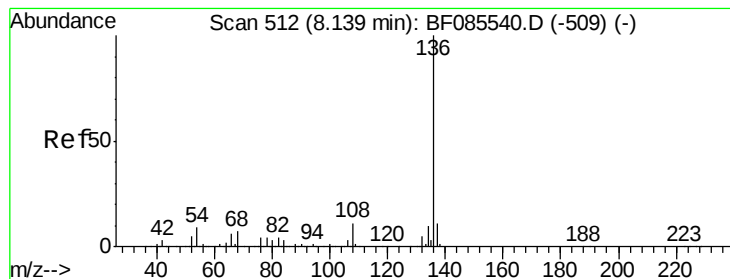
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

Tgt Ion: 136 Resp: 534455

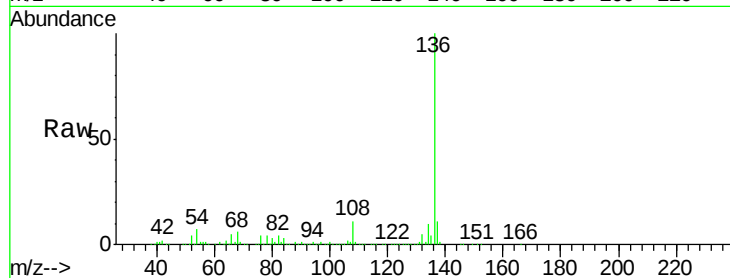
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.5 7.4 11.0

68 6.2 5.8 8.8

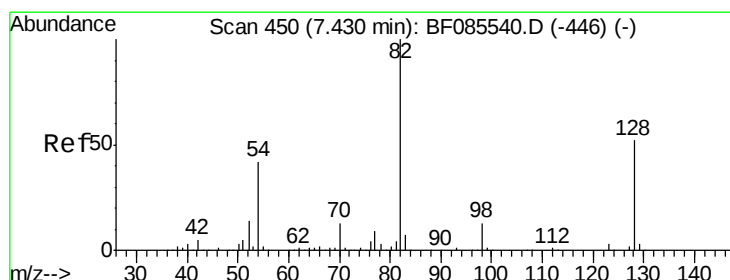
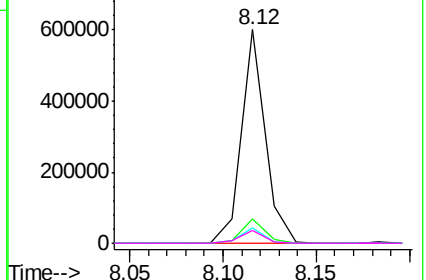
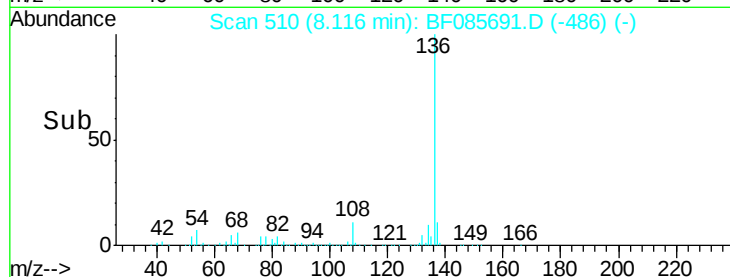


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 74.67 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

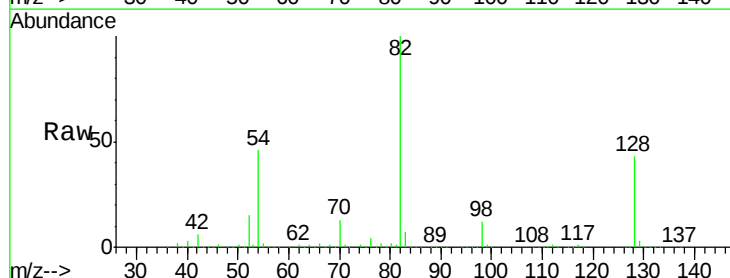
Tgt Ion: 82 Resp: 687535

Ion Ratio Lower Upper

82 100

128 43.5 41.8 62.8

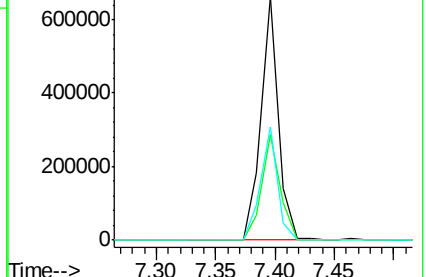
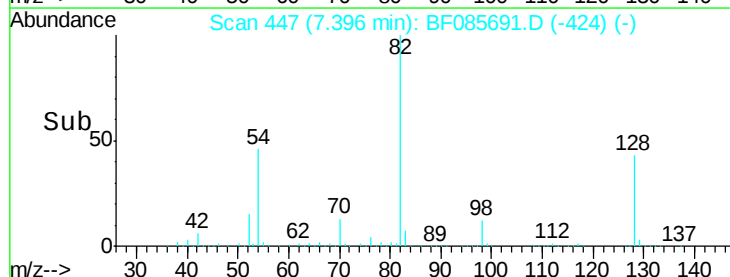
54 46.5 33.4 50.0

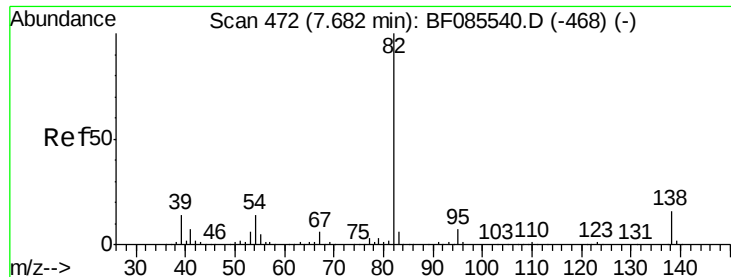


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.05 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

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ClientSampleId :

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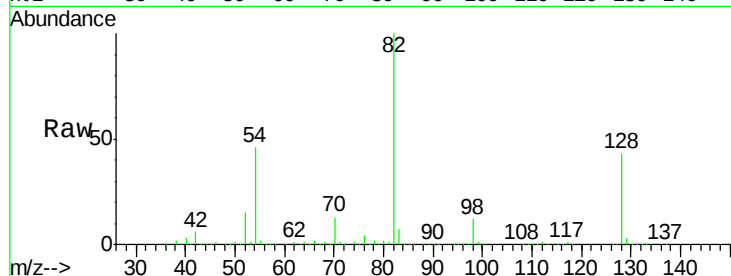
Tgt Ion: 82 Resp: 554029

Ion Ratio Lower Upper

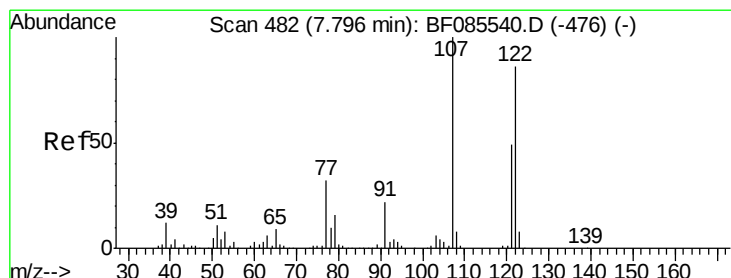
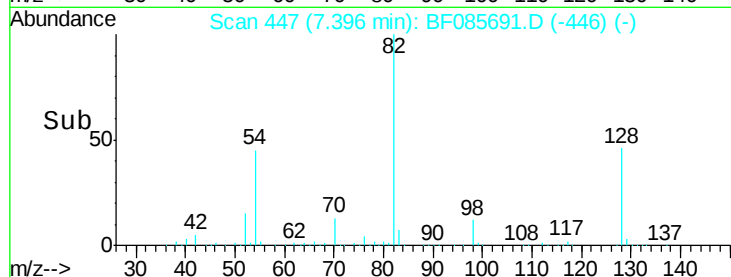
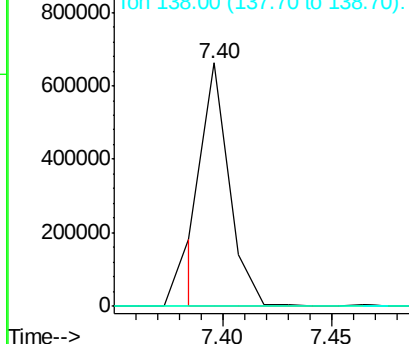
82 100

95 0.2 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): E



#27

2,4-Dimethylphenol

Concen: 2.50 ng

RT: 7.77 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

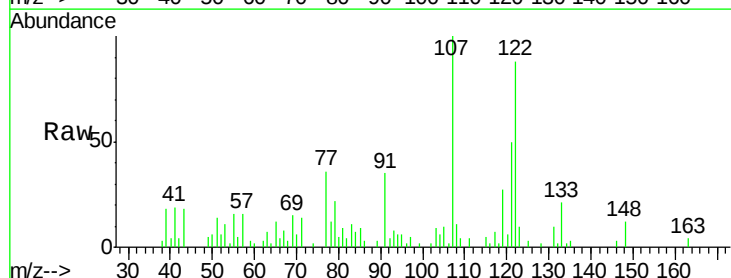
Tgt Ion: 122 Resp: 21995

Ion Ratio Lower Upper

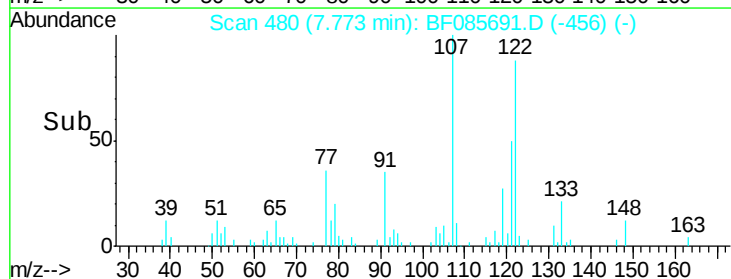
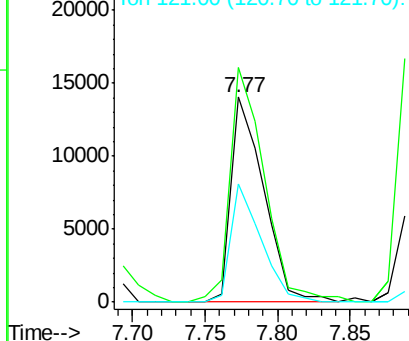
122 100

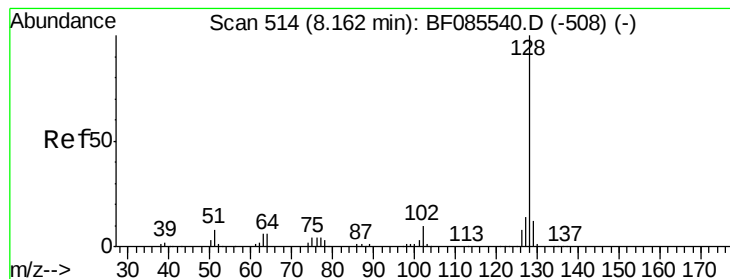
107 114.2 93.0 139.6

121 57.6 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 35.41 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

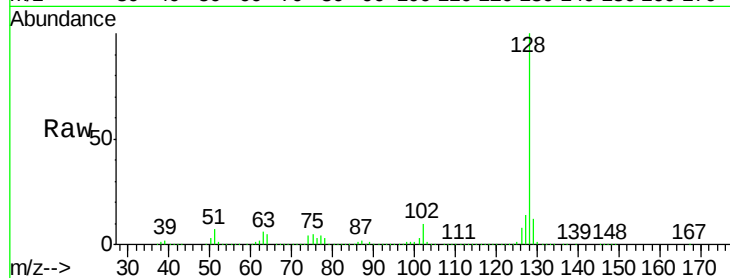
Tgt Ion:128 Resp: 955314

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

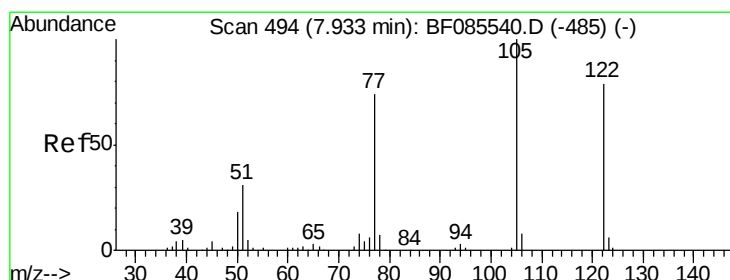
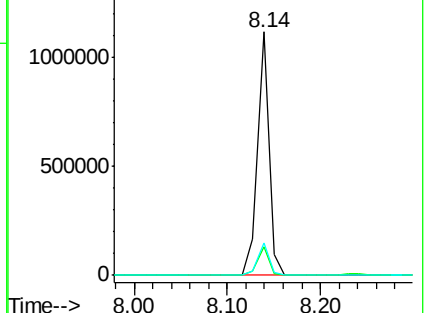
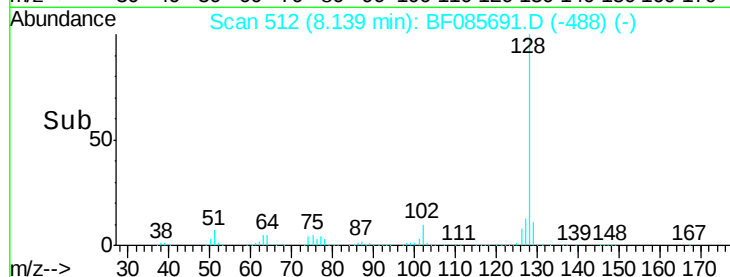
127 13.5 11.0 16.6



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



#32

Benzoic acid

Concen: 3.35 ng

RT: 7.91 min Scan# 492

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

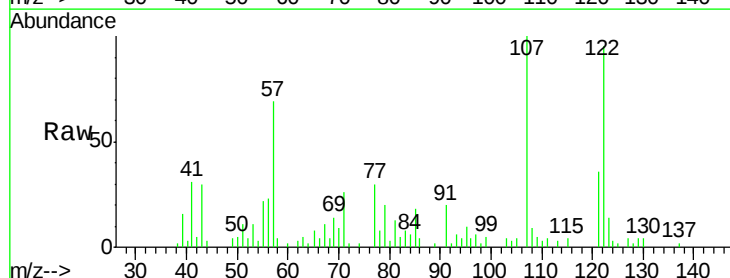
Tgt Ion:122 Resp: 24683

Ion Ratio Lower Upper

122 100

105 4.0 102.9 142.9#

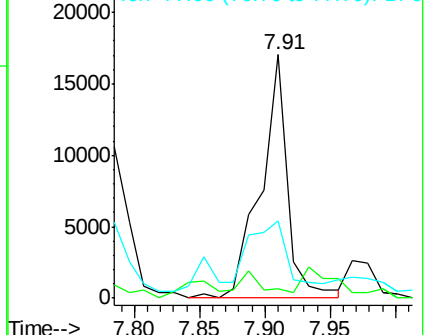
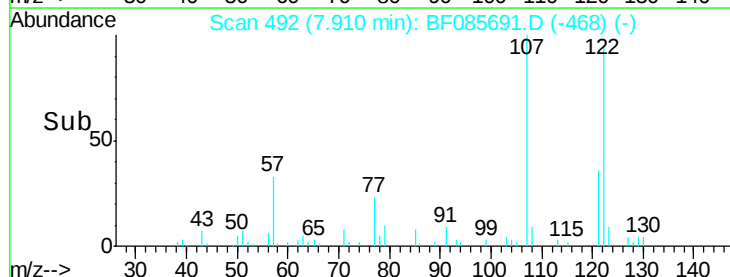
77 31.6 71.8 111.8#

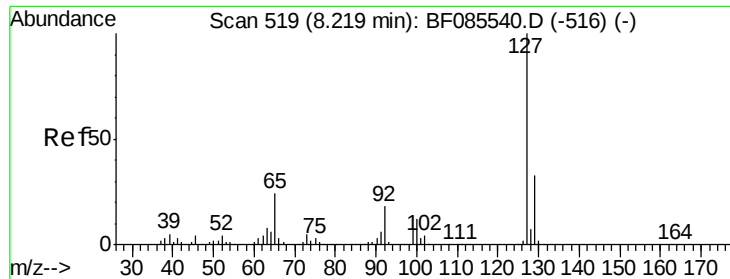


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

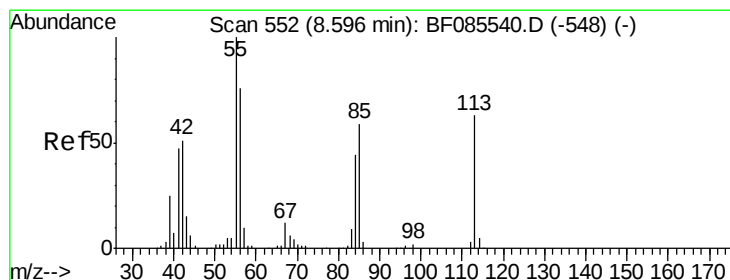
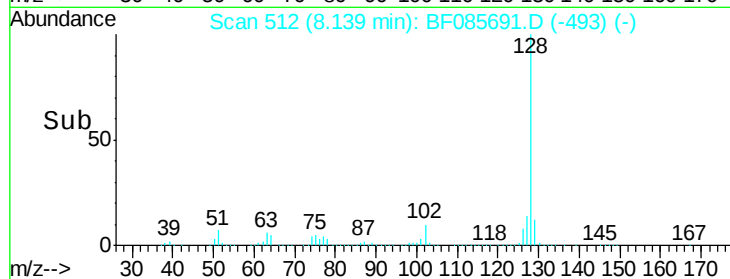
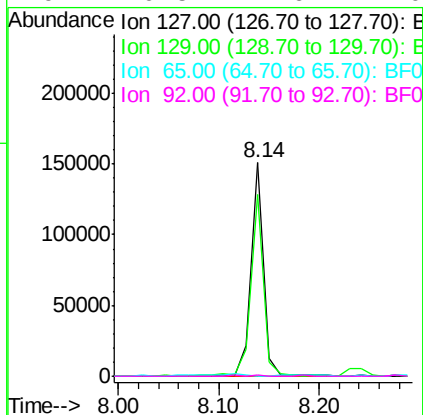
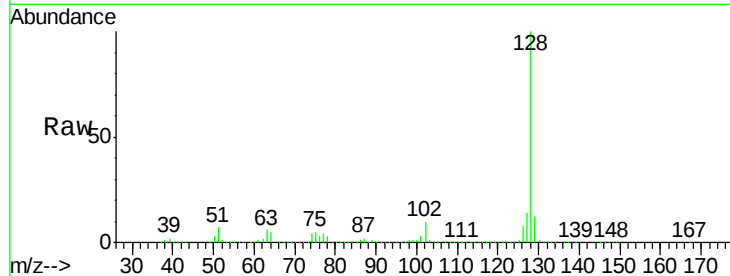




#33
4-Chloroaniline
Concen: 11.78 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

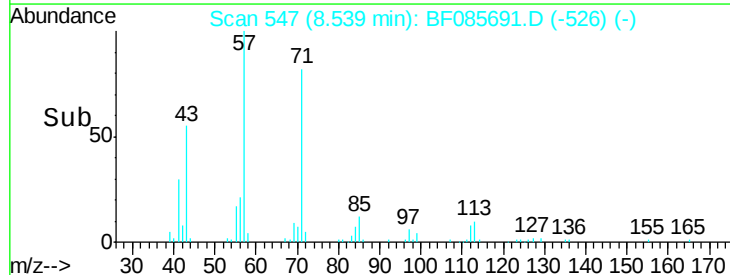
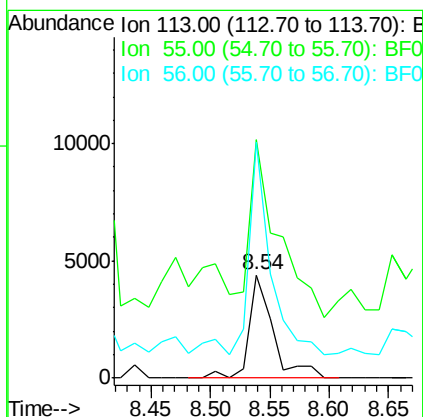
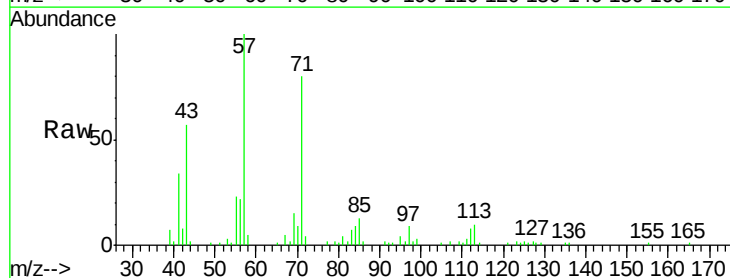
Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

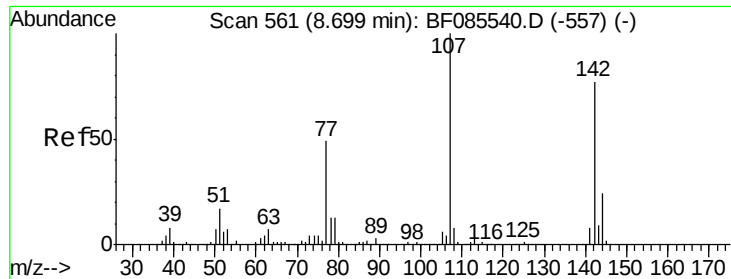
Tgt Ion:	127	Resp:	130273
Ion	Ratio	Lower	Upper
127	100		
129	85.1	26.1	39.1#
65	0.0	19.5	29.3#
92	0.5	14.6	22.0#



#35
Caprolactam
Concen: 2.47 ng
RT: 8.54 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Tgt Ion:	113	Resp:	6170
Ion	Ratio	Lower	Upper
113	100		
55	231.7	139.4	179.4#
56	228.4	100.4	140.4#





#36

4-Chloro-3-methylphenol

Concen: 6.01 ng

RT: 8.69 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

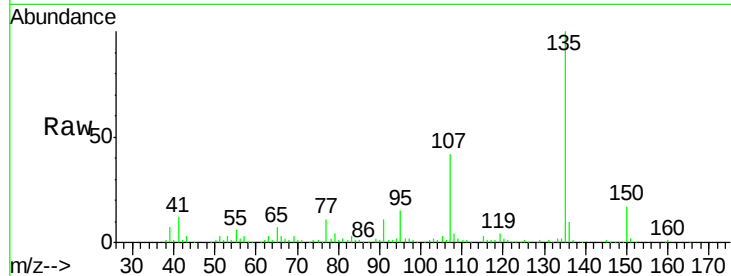
Tgt Ion:107 Resp: 51043

Ion Ratio Lower Upper

107 100

144 0.0 19.3 28.9#

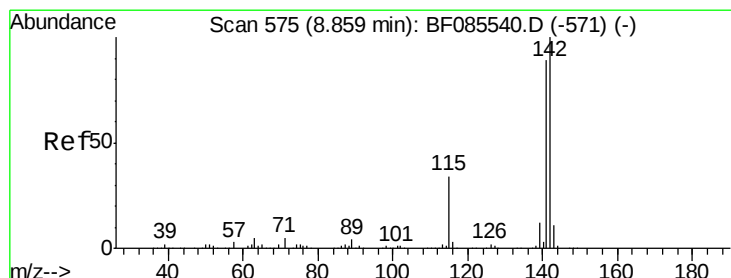
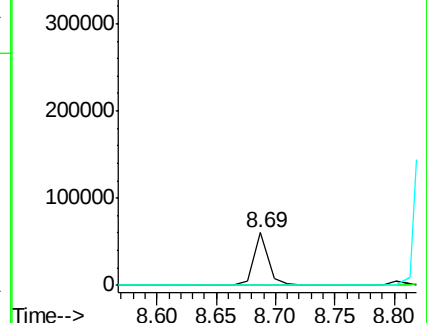
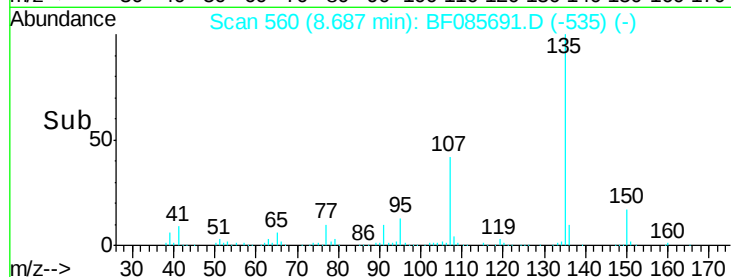
142 0.0 61.4 92.0#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 24.22 ng

RT: 8.84 min Scan# 573

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

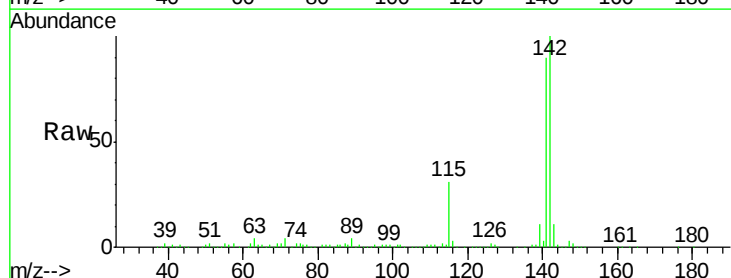
Tgt Ion:142 Resp: 398296

Ion Ratio Lower Upper

142 100

141 90.0 71.6 107.4

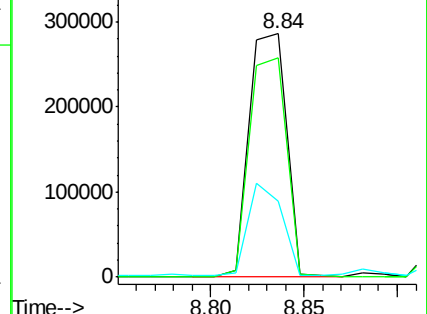
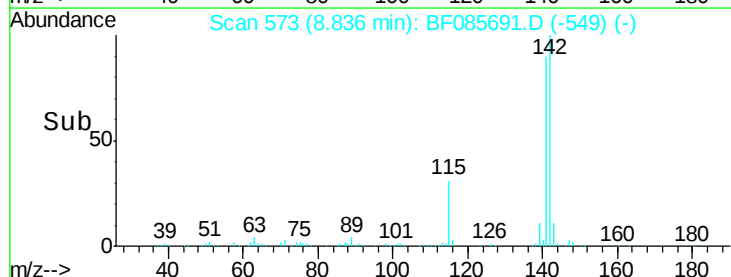
115 31.0 26.8 40.2

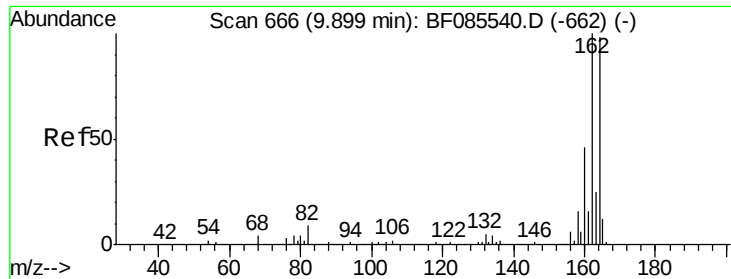


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

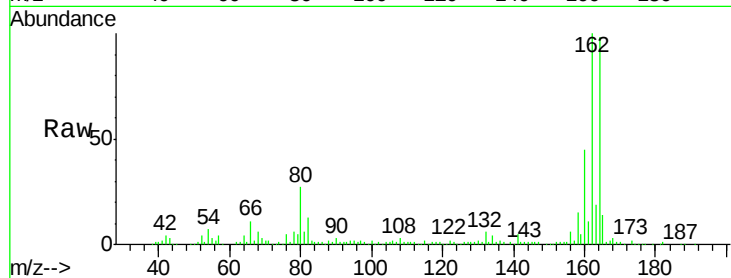




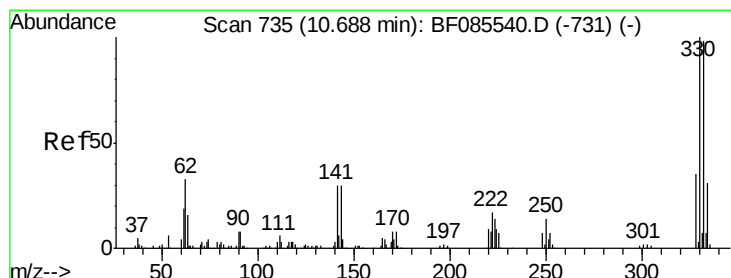
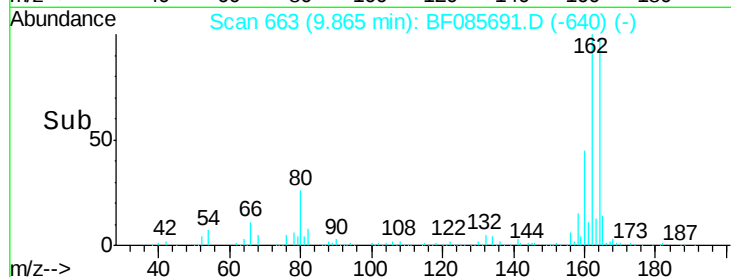
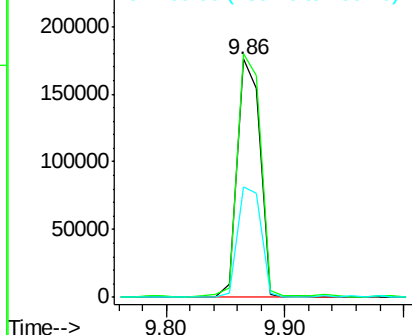
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF085691.D
 Acq: 23 Mar 2016 7:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.1	123.1
160	46.3	37.4	56.2

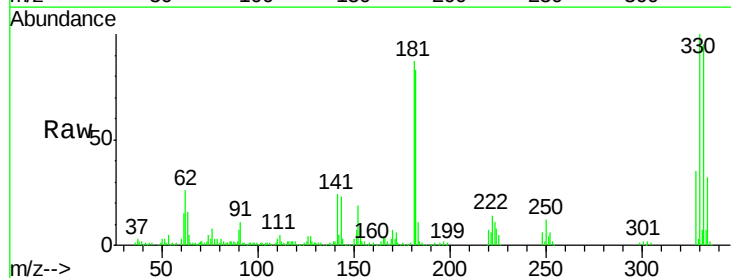


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

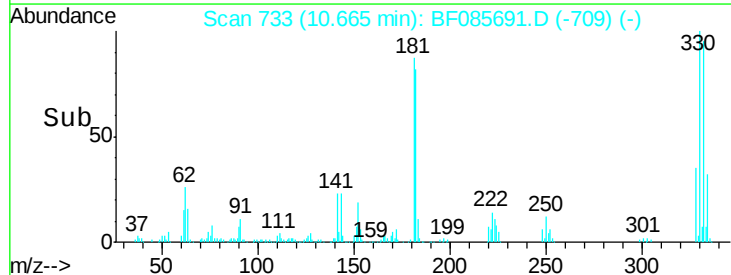
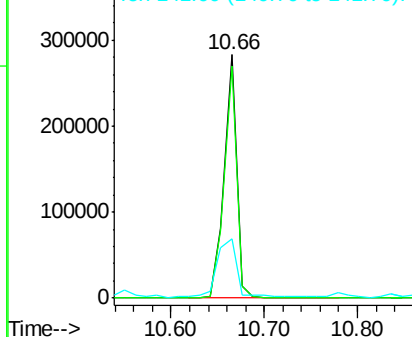


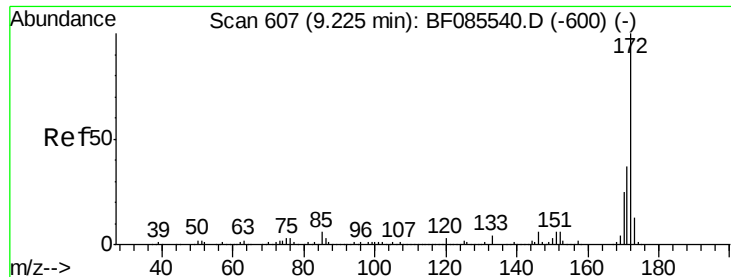
#41
 2,4,6-Tribromophenol
 Concen: 113.88 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085691.D
 Acq: 23 Mar 2016 7:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.2	117.2
141	37.3	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

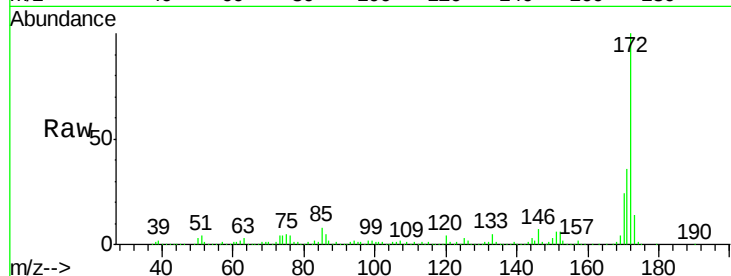




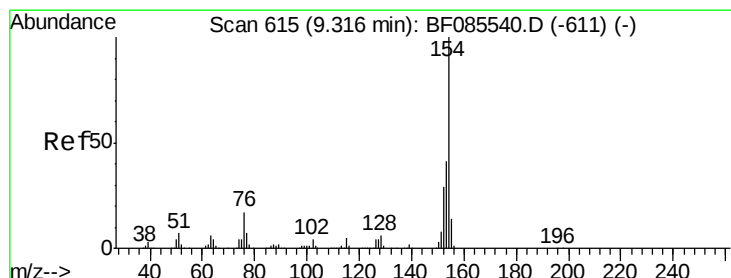
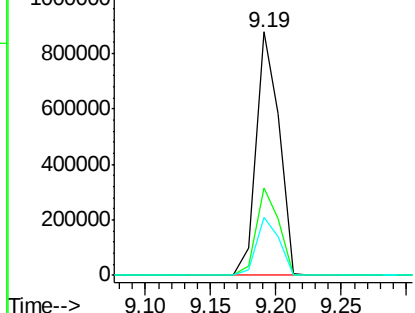
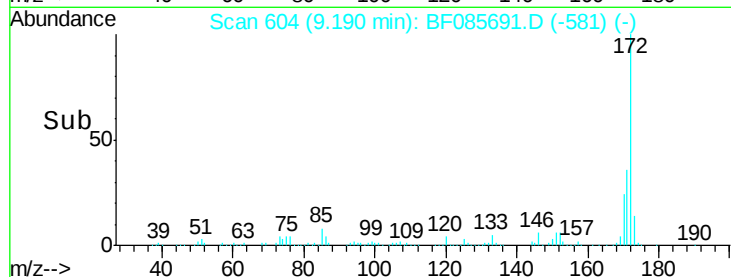
#44
2-Fluorobiphenyl
Concen: 75.16 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.03 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

Tgt Ion:172 Resp: 1074238
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.2
170 24.1 19.8 29.6

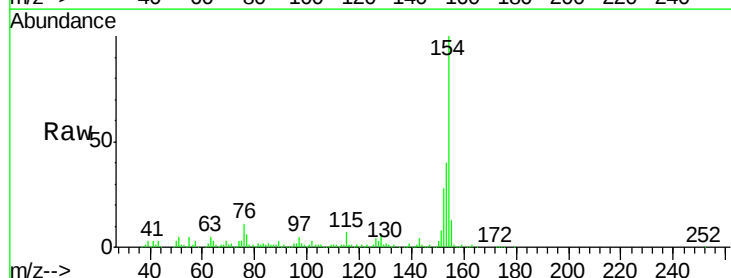


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

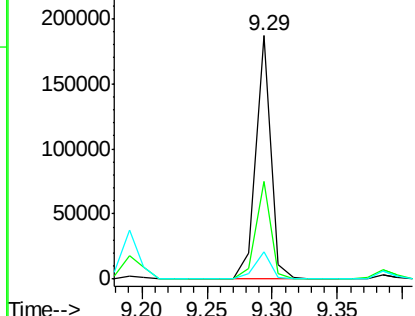
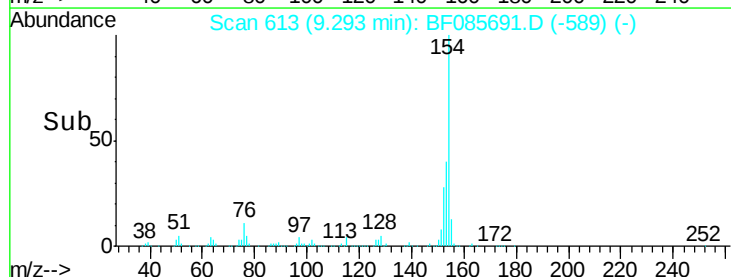


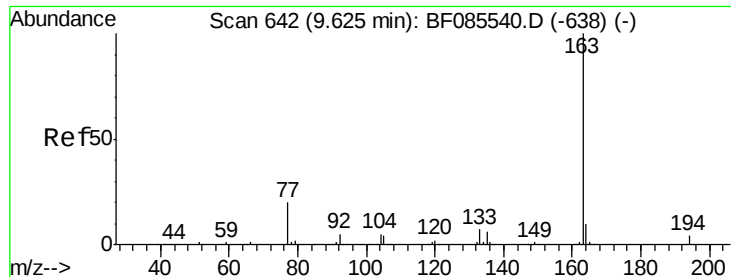
#45
1,1'-Biphenyl
Concen: 7.41 ng
RT: 9.29 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Tgt Ion:154 Resp: 151457
Ion Ratio Lower Upper
154 100
153 40.0 20.8 60.8
76 11.1 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

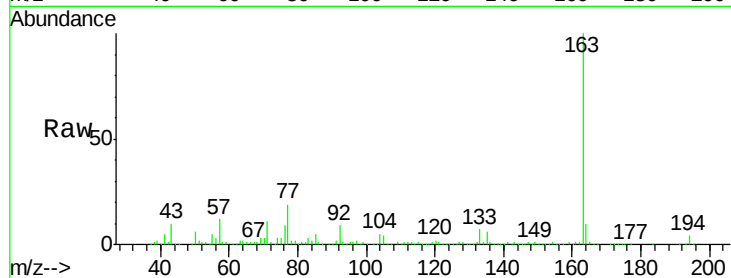




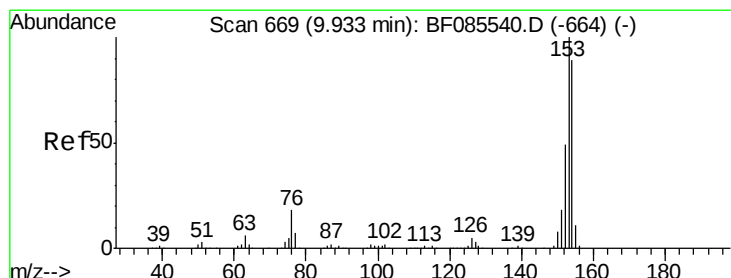
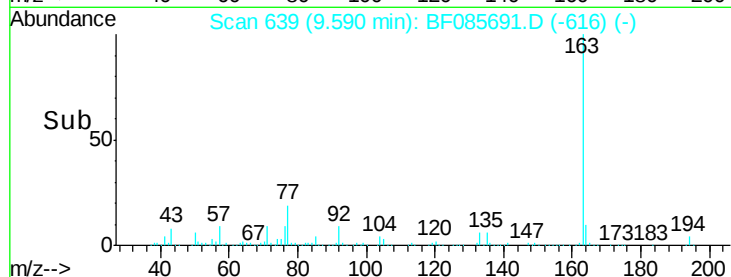
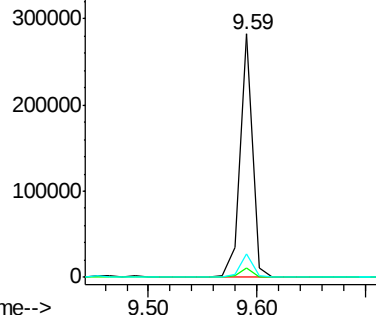
#49
Dimethylphthalate
Concen: 12.69 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.9	8.3	12.5

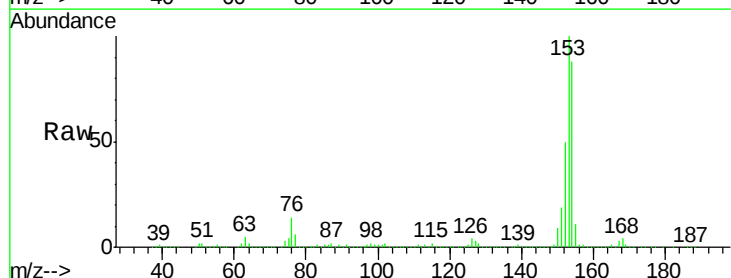


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

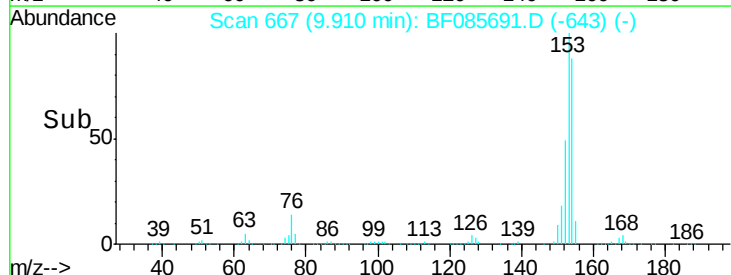
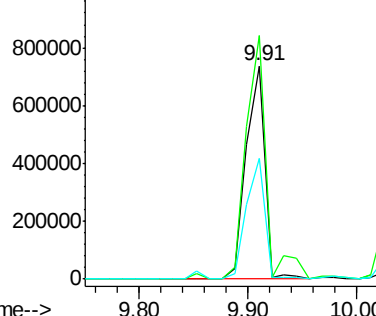


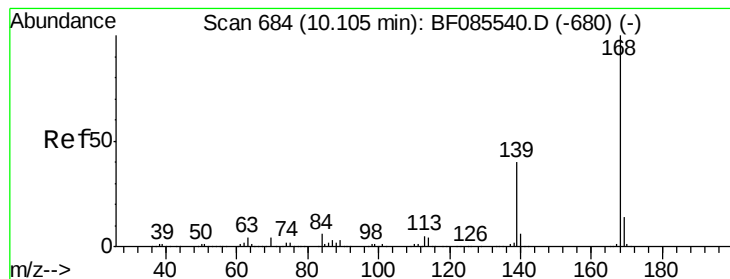
#51
Acenaphthene
Concen: 57.47 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.1	135.1
152	56.6	44.2	66.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 47.07 ng

RT: 10.08 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

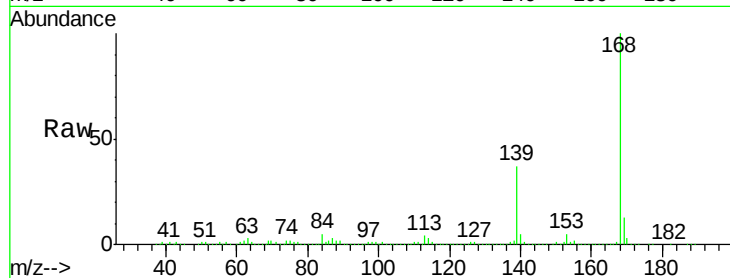
Tgt Ion:168 Resp: 868712

Ion Ratio Lower Upper

168 100

139 36.7 31.9 47.9

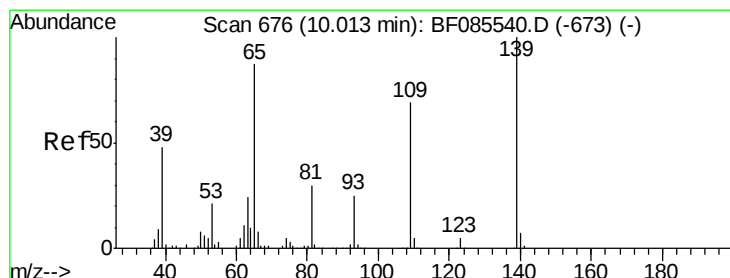
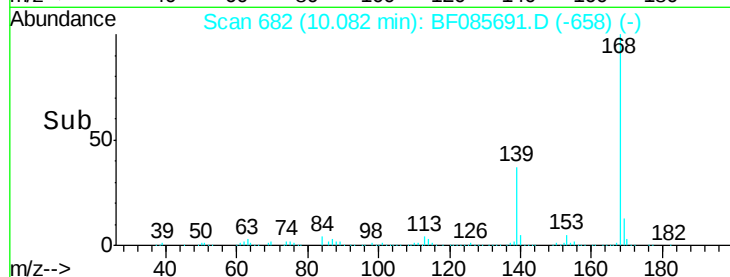
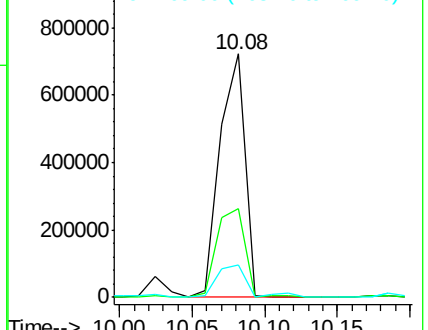
169 13.4 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 97.62 ng

RT: 10.08 min Scan# 682

Delta R.T. 0.07 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

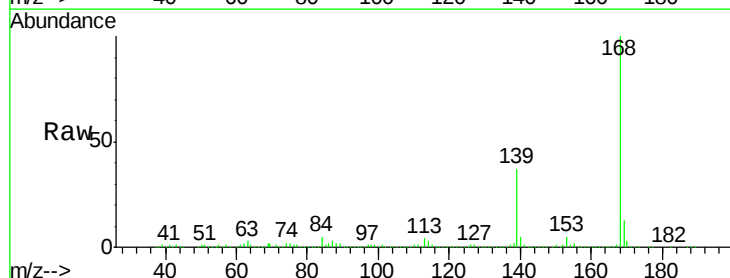
Tgt Ion:139 Resp: 356492

Ion Ratio Lower Upper

139 100

109 1.1 49.2 89.2#

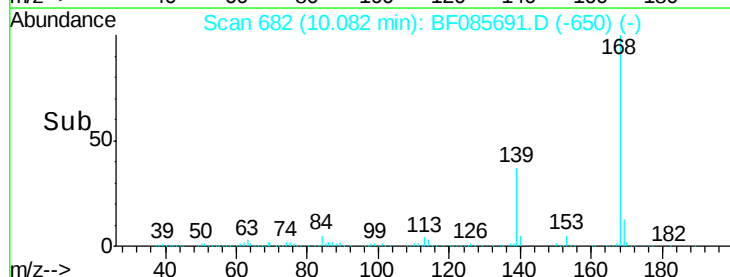
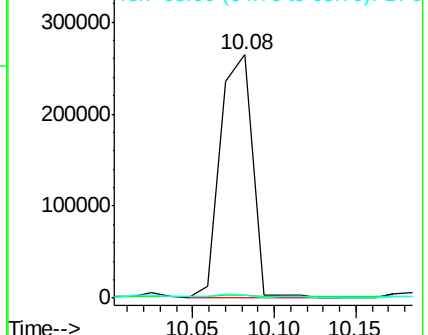
65 1.3 66.9 106.9#

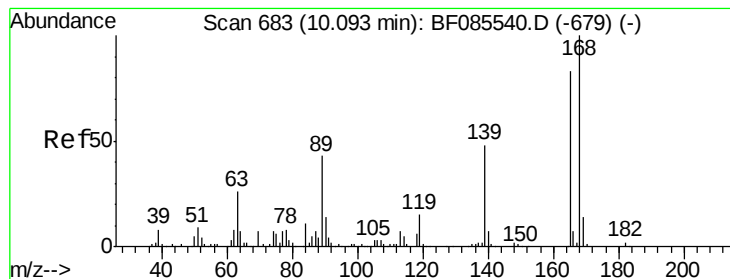


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 4.29 ng

RT: 10.02 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

Tgt Ion:165 Resp: 21206

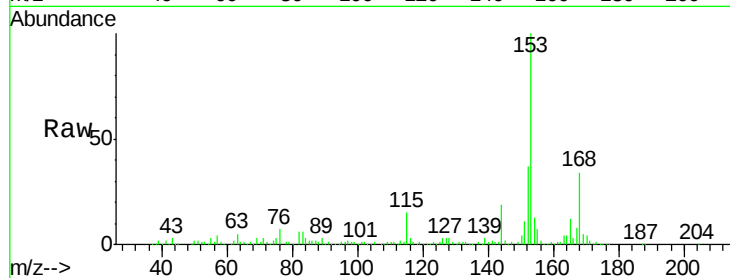
Ion Ratio Lower Upper

165 100

63 43.8 24.9 37.3#

89 24.1 41.0 61.6#

182 0.0 2.1 3.1#

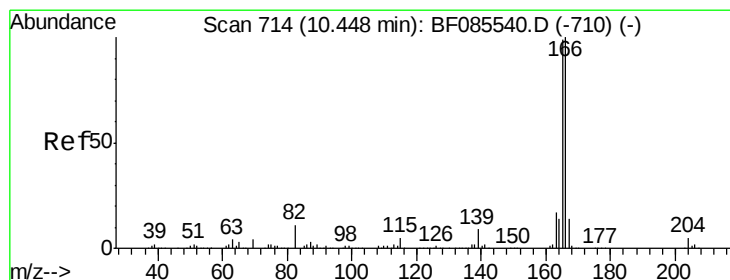
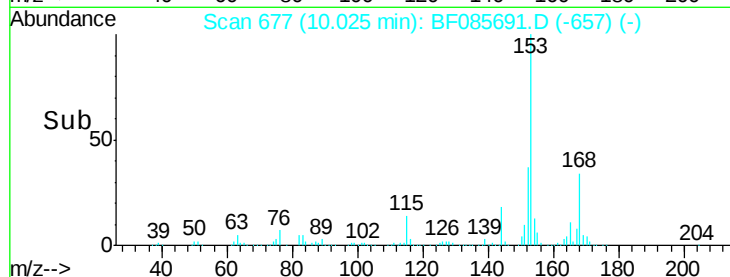
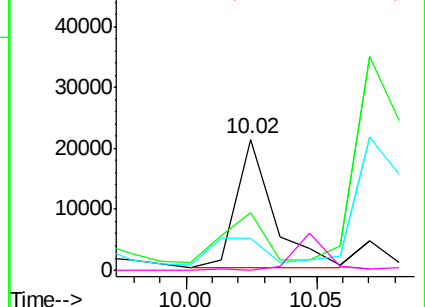


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 66.13 ng

RT: 10.42 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

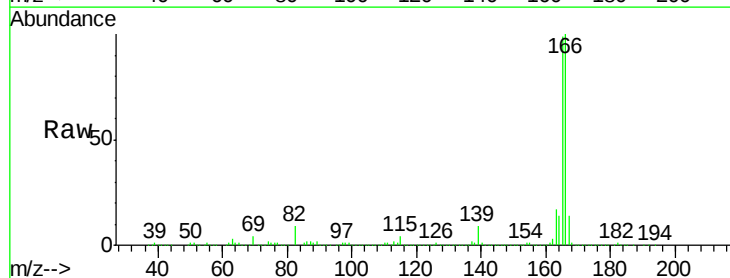
Tgt Ion:166 Resp: 1017175

Ion Ratio Lower Upper

166 100

165 99.0 79.4 119.0

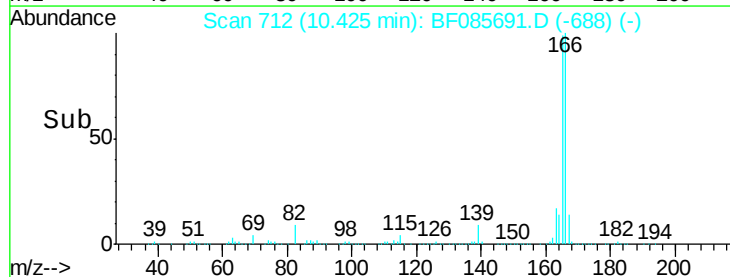
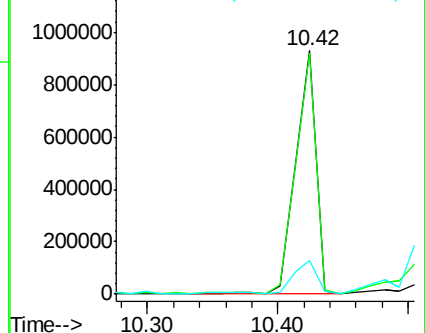
167 14.0 11.0 16.4

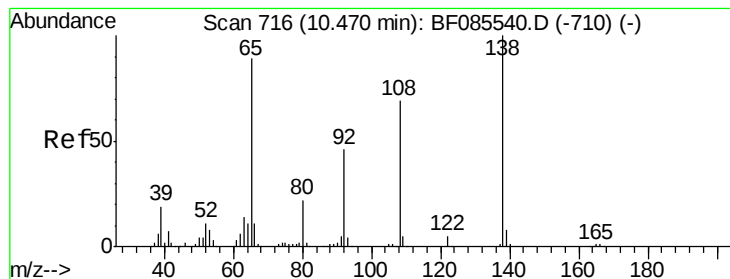


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.74 ng

RT: 10.42 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

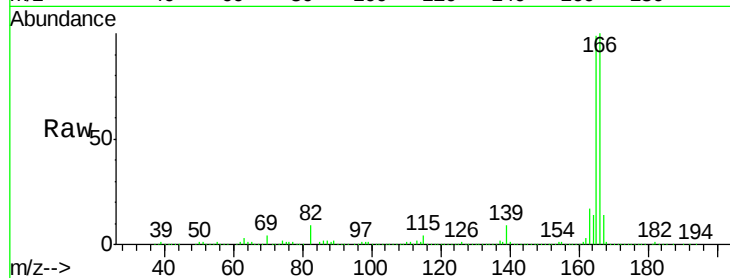
Tgt Ion:138 Resp: 12784

Ion Ratio Lower Upper

138 100

92 3.3 26.4 66.4#

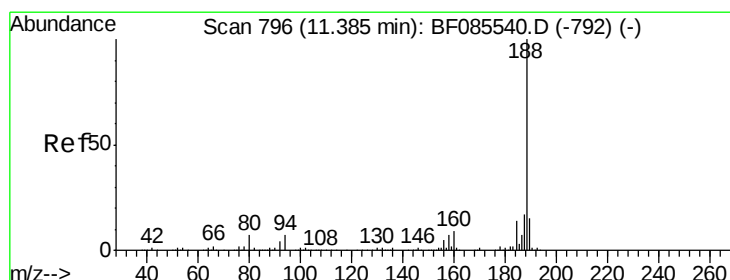
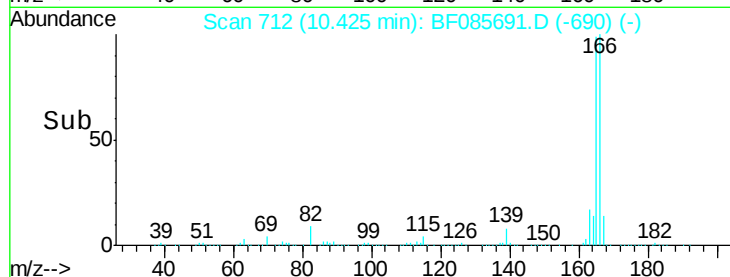
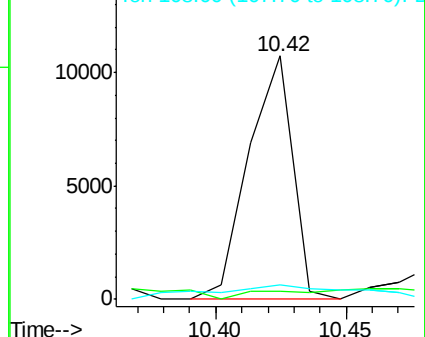
108 6.0 49.0 89.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

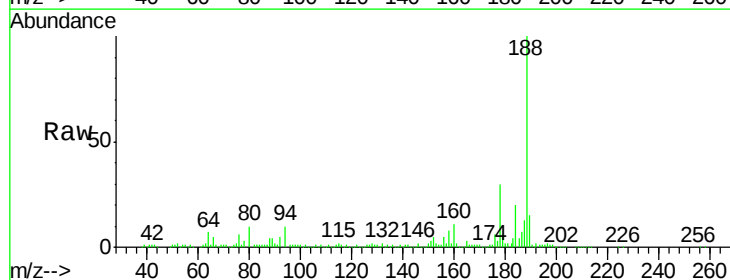
Tgt Ion:188 Resp: 382697

Ion Ratio Lower Upper

188 100

94 9.6 5.4 8.0#

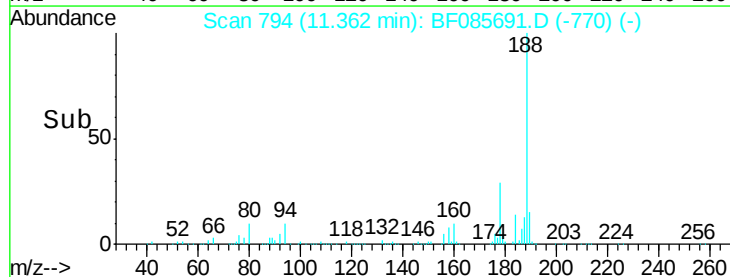
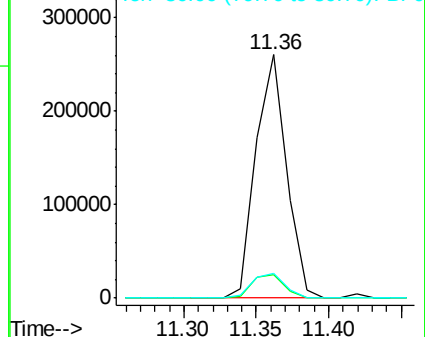
80 10.2 5.5 8.3#

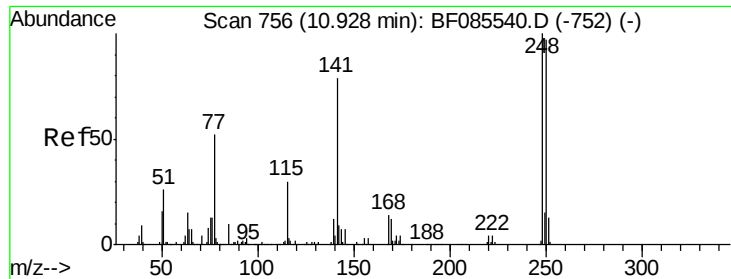


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

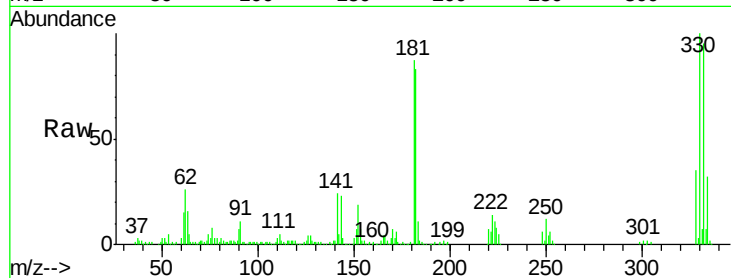




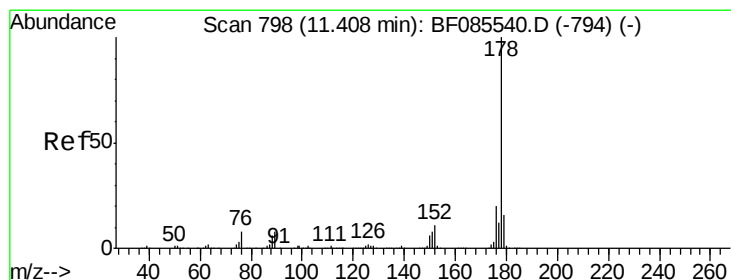
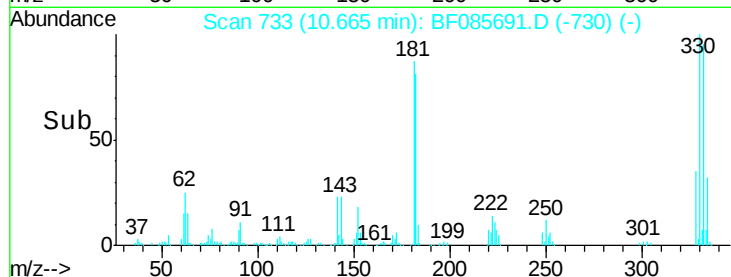
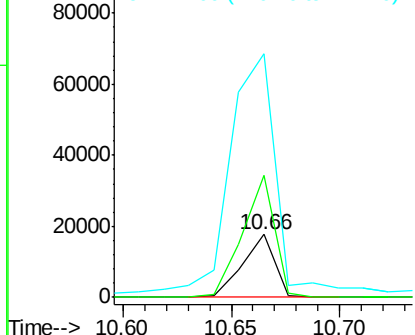
#66
4-Bromophenyl-phenylether
Concen: 4.68 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.26 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

Tgt Ion:248 Resp: 17911
Ion Ratio Lower Upper
248 100
250 195.0 77.4 116.0#
141 389.5 63.6 95.4#

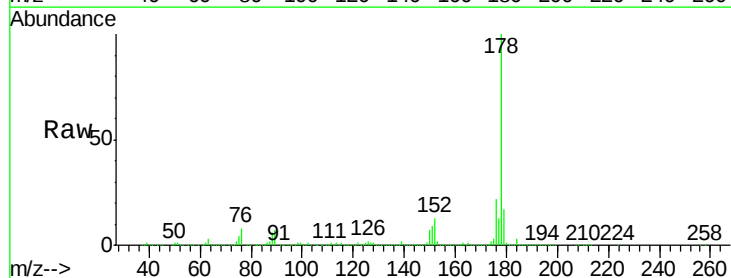


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

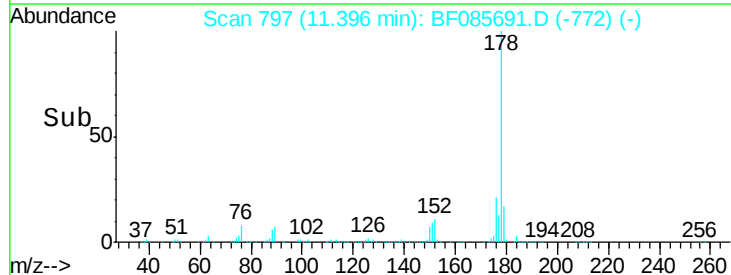
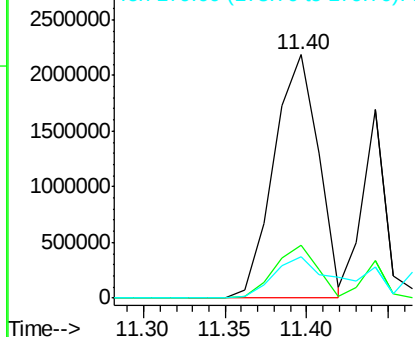


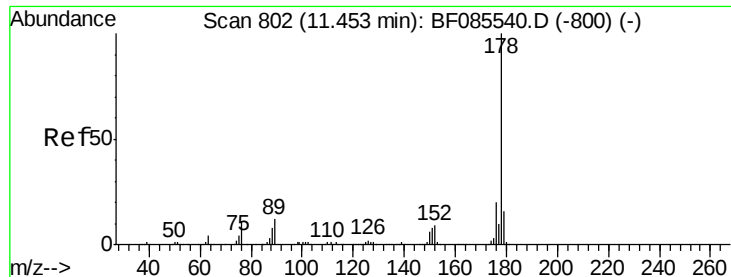
#70
Phenanthrene
Concen: 205.62 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Tgt Ion:178 Resp: 4149154
Ion Ratio Lower Upper
178 100
176 21.5 16.3 24.5
179 17.2 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: 81.52 ng

RT: 11.44 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

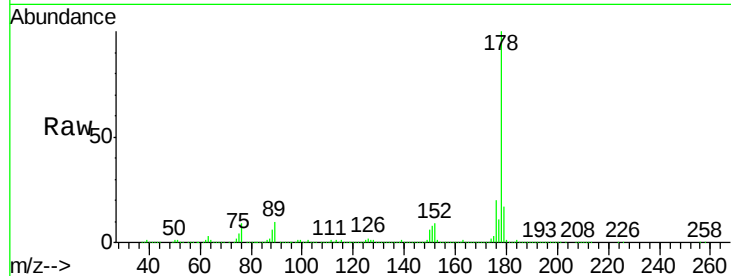
Tgt Ion:178 Resp: 1724753

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

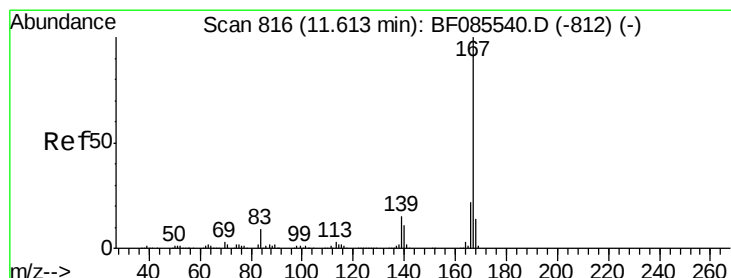
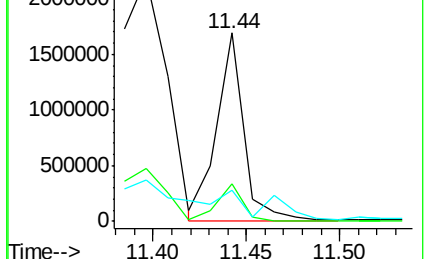
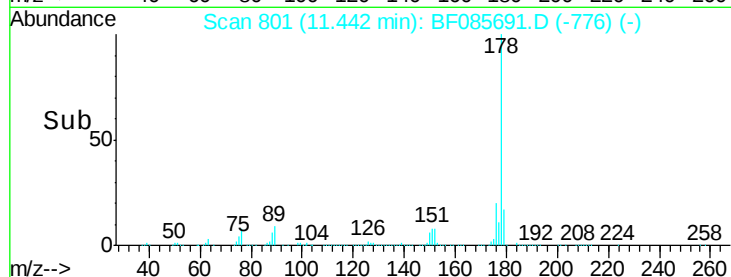
179 16.8 13.0 19.4



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



#72

Carbazole

Concen: 40.35 ng

RT: 11.59 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

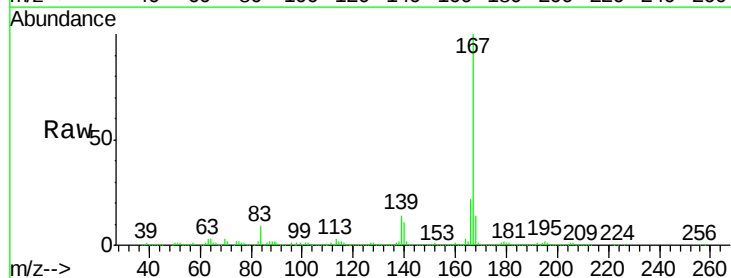
Tgt Ion:167 Resp: 736570

Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.8

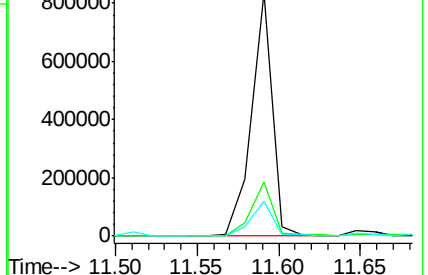
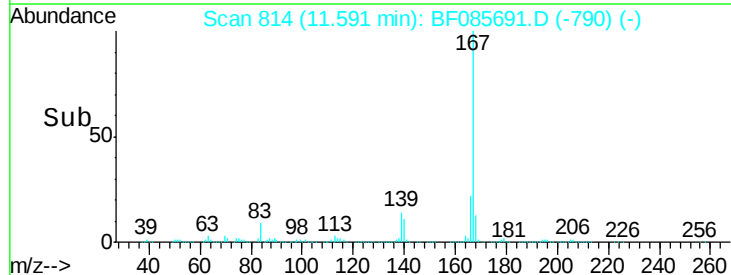
139 14.4 11.6 17.4

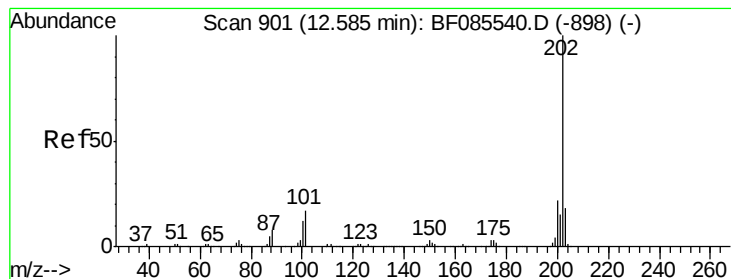


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 140.23 ng

RT: 12.58 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

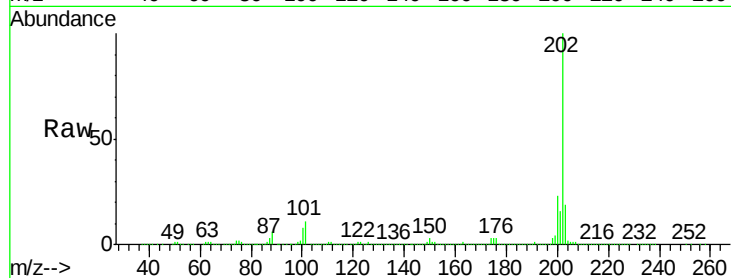
Tgt Ion:202 Resp: 2962784

Ion Ratio Lower Upper

202 100

101 10.9 0.0 36.6

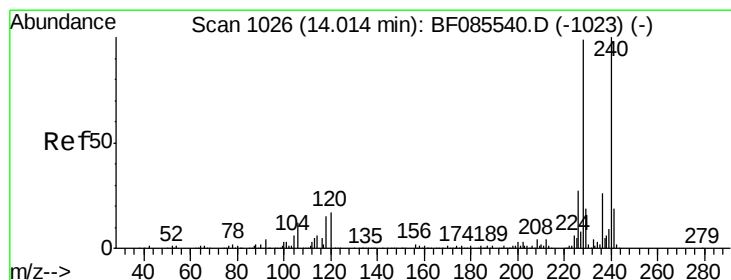
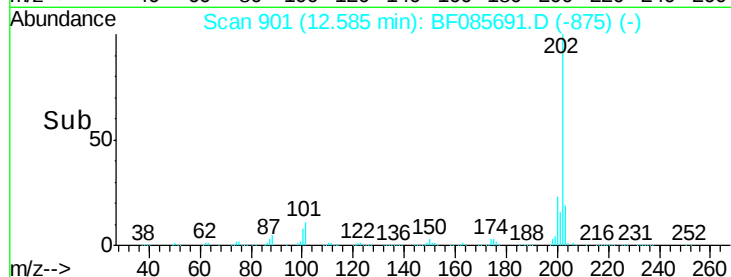
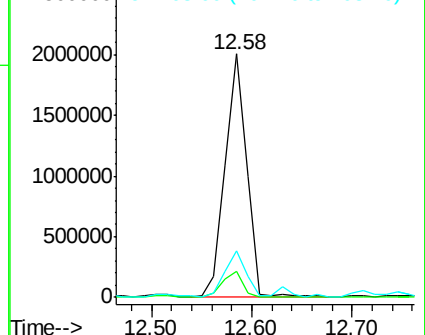
203 19.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

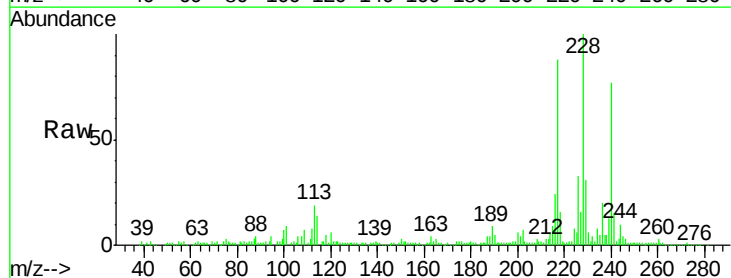
Tgt Ion:240 Resp: 211047

Ion Ratio Lower Upper

240 100

120 8.4 13.8 20.8#

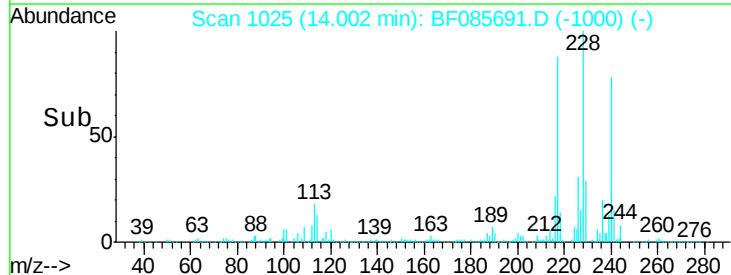
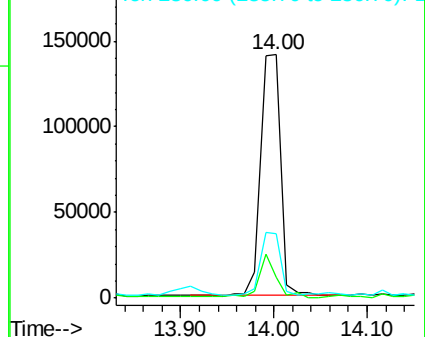
236 26.7 20.6 30.8

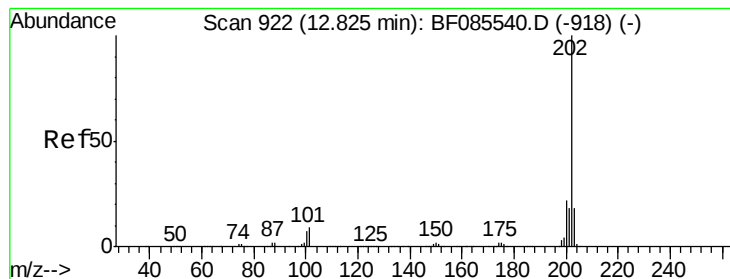


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 188.82 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

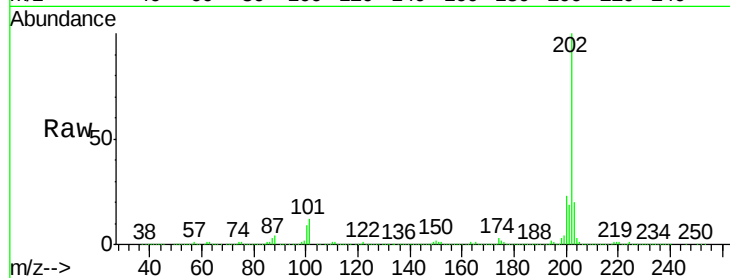
Tgt Ion:202 Resp: 2861320

Ion Ratio Lower Upper

202 100

200 23.4 17.6 26.4

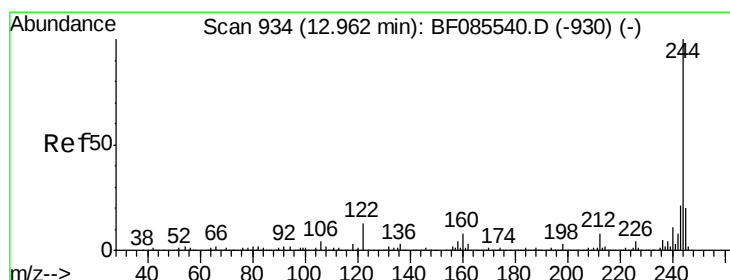
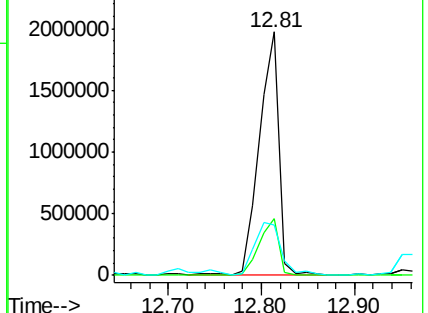
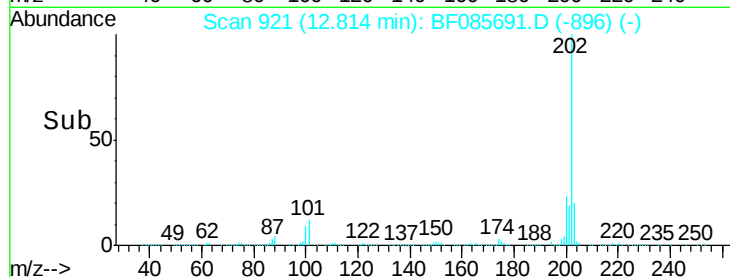
203 20.5 14.0 21.0



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: 79.17 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

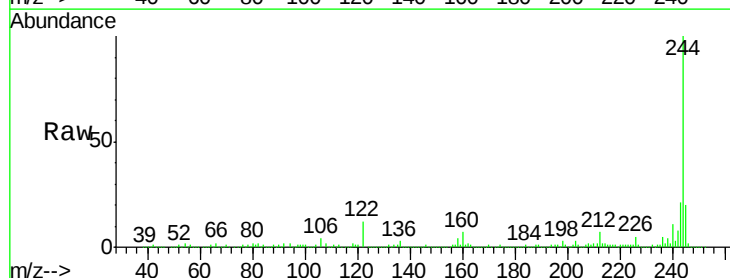
Tgt Ion:244 Resp: 694323

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

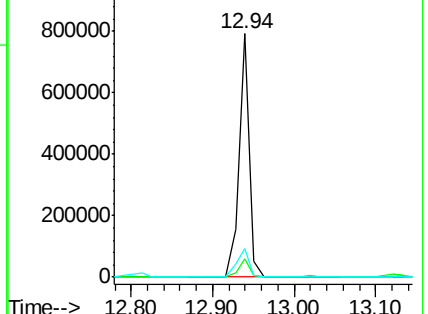
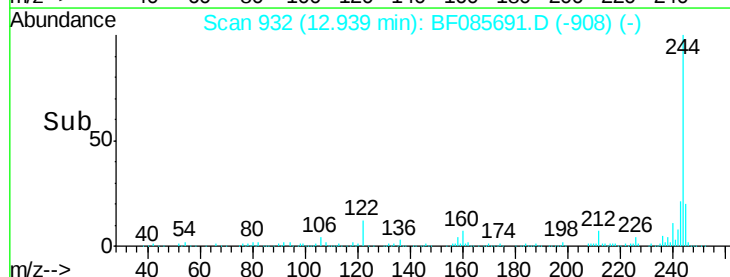
122 11.8 10.2 15.4

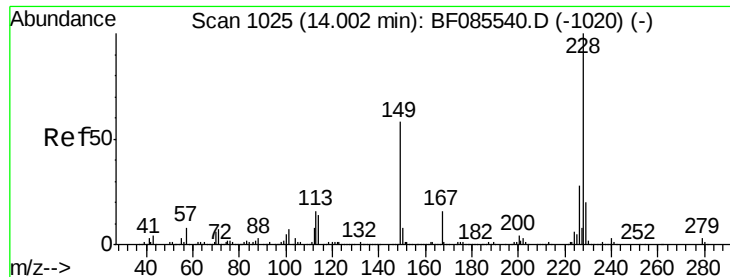


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 120.34 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

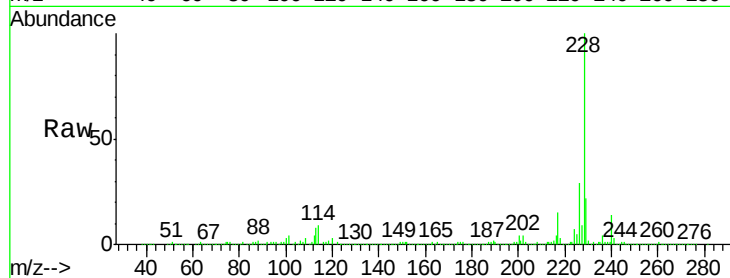
Tgt Ion:228 Resp: 1474352

Ion Ratio Lower Upper

228 100

226 28.8 22.1 33.1

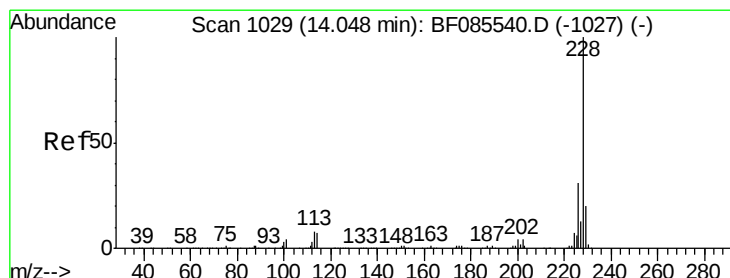
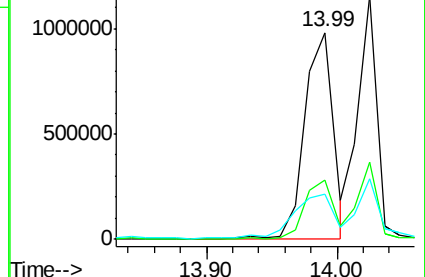
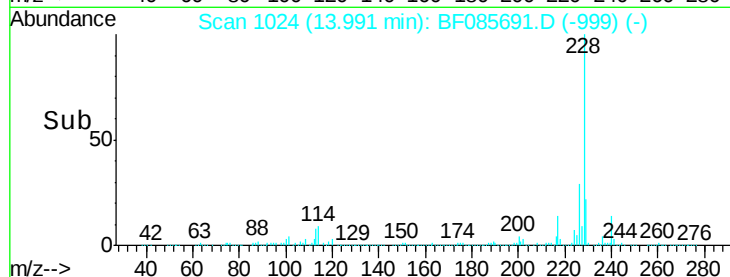
229 22.1 16.2 24.4



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: 125.08 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.06 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

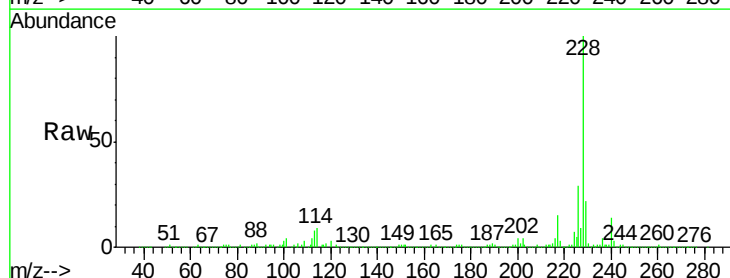
Tgt Ion:228 Resp: 1474352

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.6

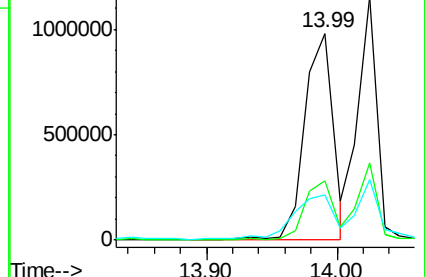
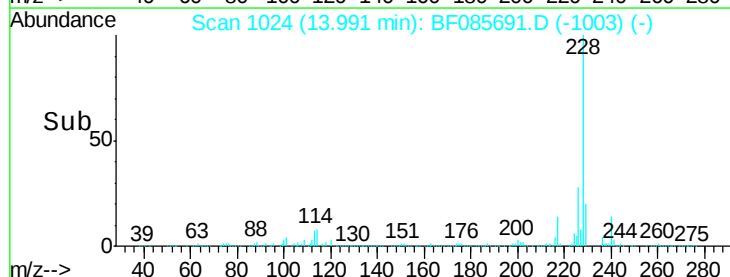
229 22.1 15.7 23.5

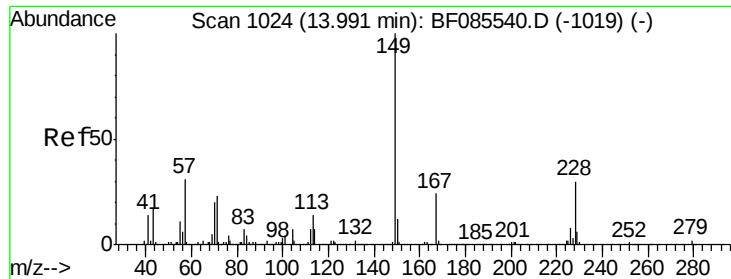


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.10 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

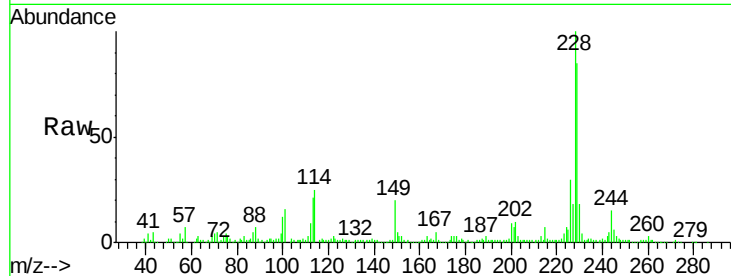
Tgt Ion:149 Resp: 45787

Ion Ratio Lower Upper

149 100

167 24.9 19.4 29.2

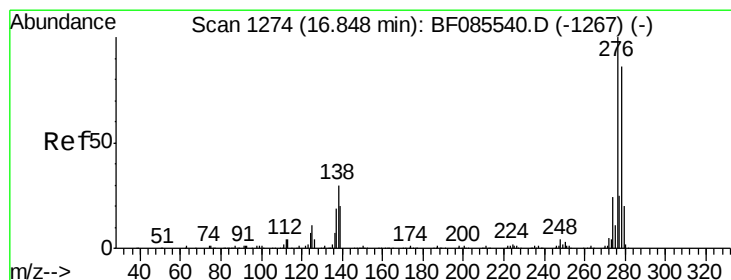
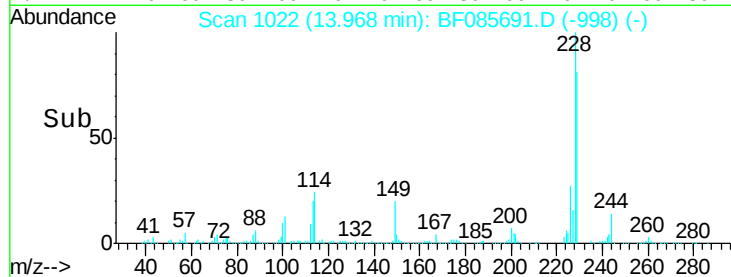
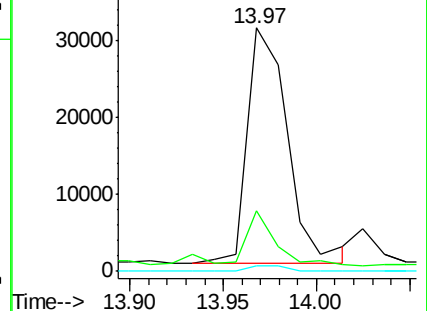
279 2.2 1.5 2.3



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: 8.73 ng

RT: 16.64 min Scan# 1256

Delta R.T. -0.21 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

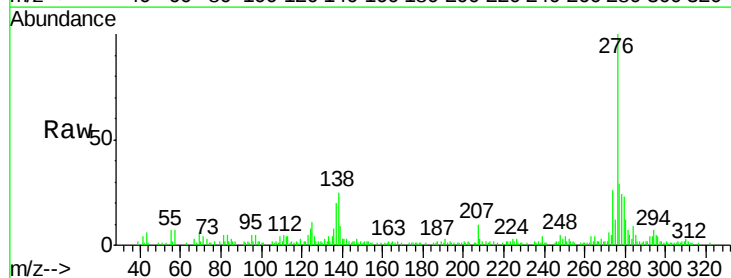
Tgt Ion:276 Resp: 86000

Ion Ratio Lower Upper

276 100

138 27.3 24.2 36.4

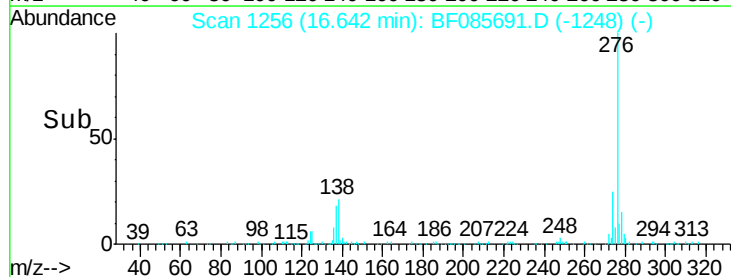
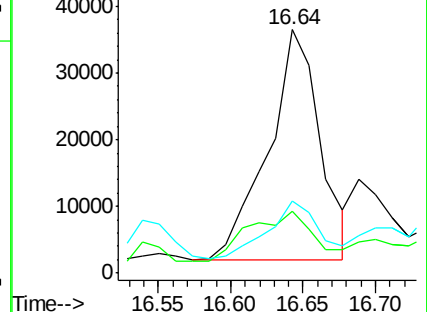
277 24.1 20.0 30.0

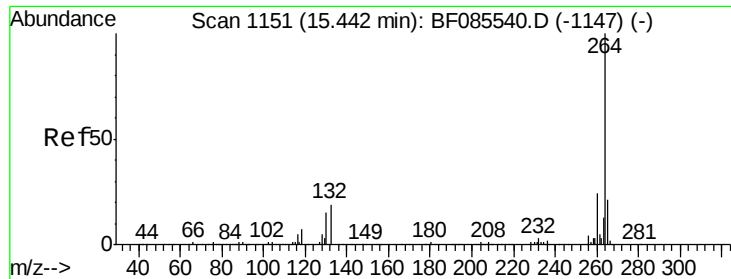


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

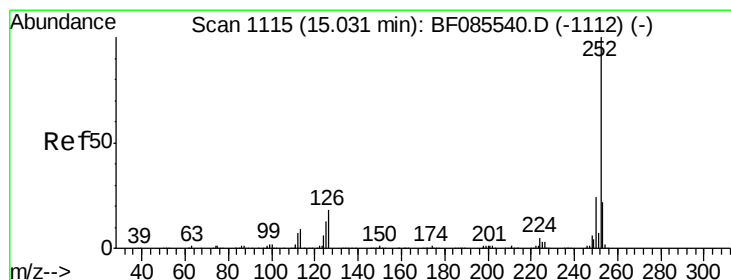
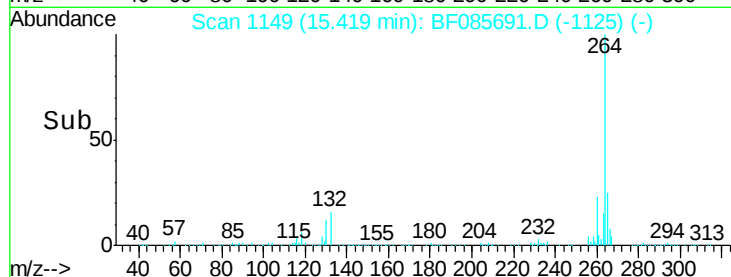
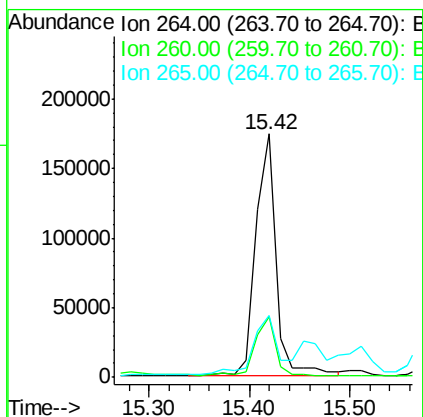
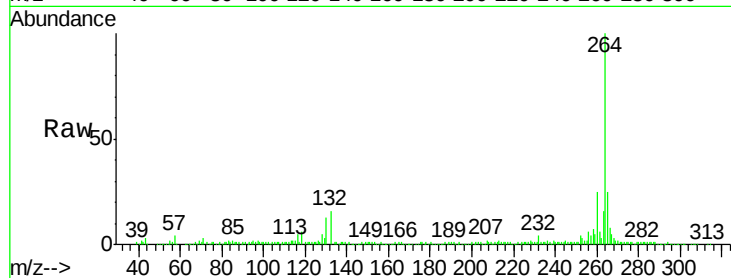




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

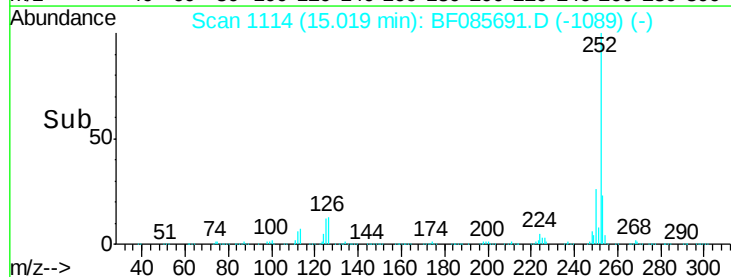
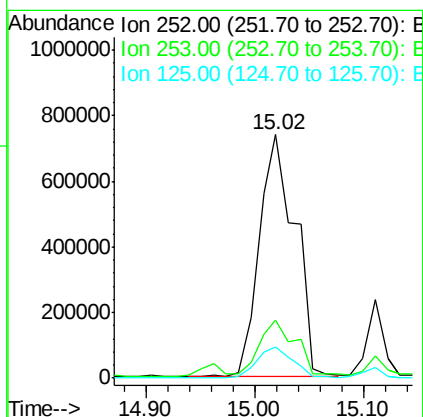
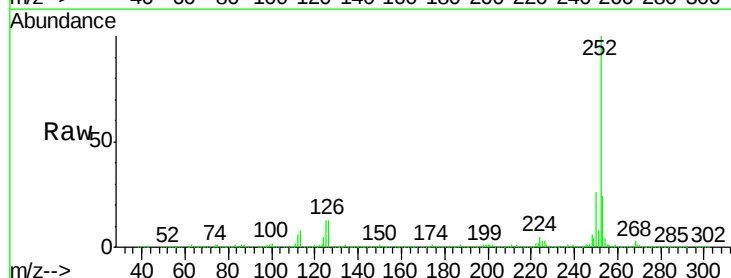
Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

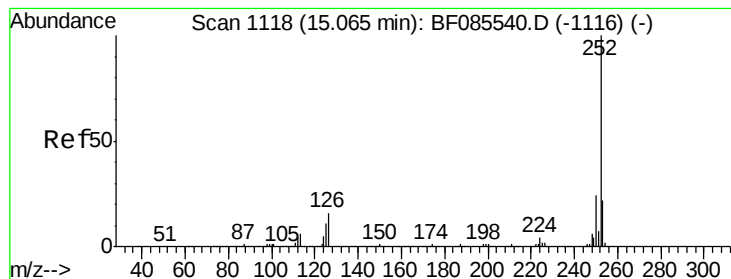
Tgt Ion: 264 Resp: 245847
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 25.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 105.82 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085691.D
Acq: 23 Mar 2016 7:24

Tgt Ion: 252 Resp: 1697569
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.6 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 128.45 ng

RT: 15.02 min Scan# 1114

Delta R.T. -0.05 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

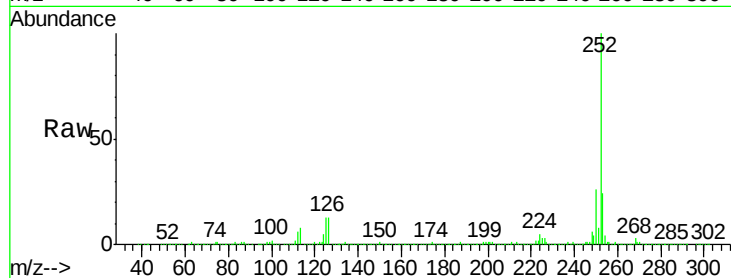
Tgt Ion:252 Resp: 1697569

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

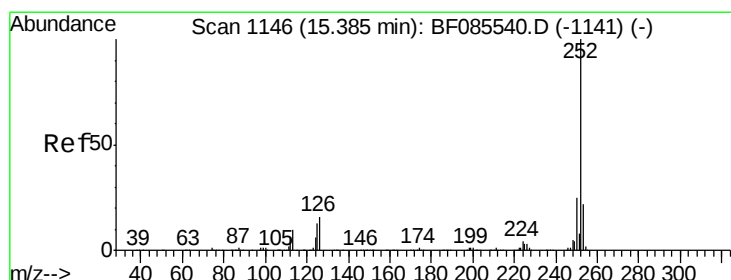
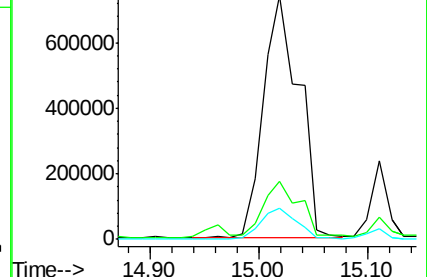
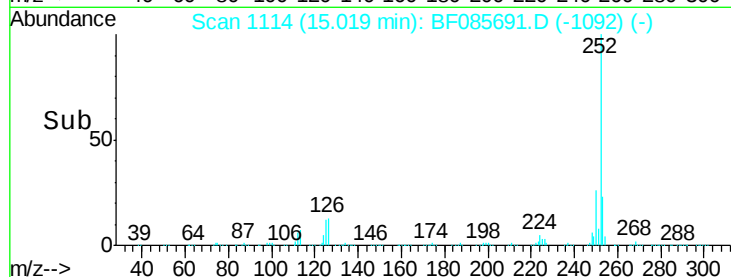
125 12.6 7.7 11.5#



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



#89

Benzo(a)pyrene

Concen: 71.66 ng

RT: 15.36 min Scan# 1144

Delta R.T. -0.02 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

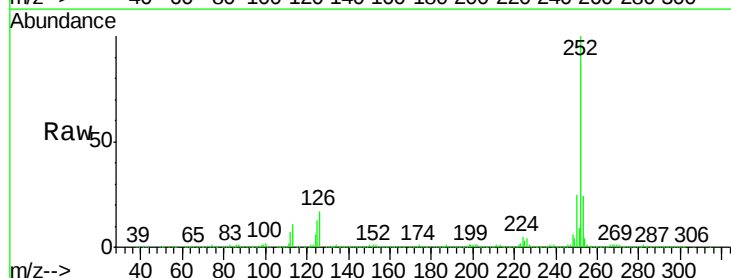
Tgt Ion:252 Resp: 974517

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

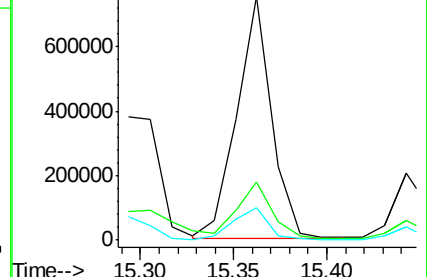
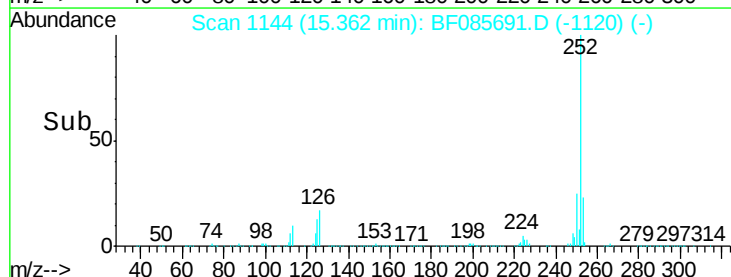
125 13.1 10.3 15.5

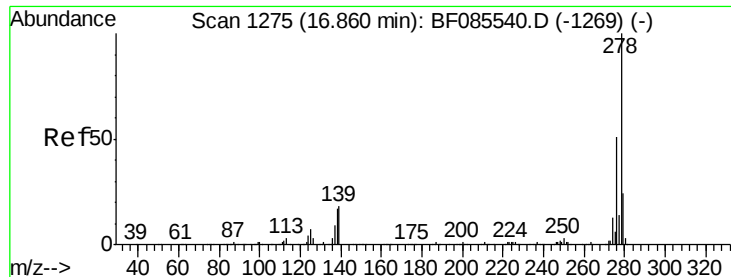


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 10.20 ng

RT: 16.96 min Scan# 1284

Delta R.T. 0.10 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

Instrument :

BNA_F

ClientSampleId :

SB-04(3-5)

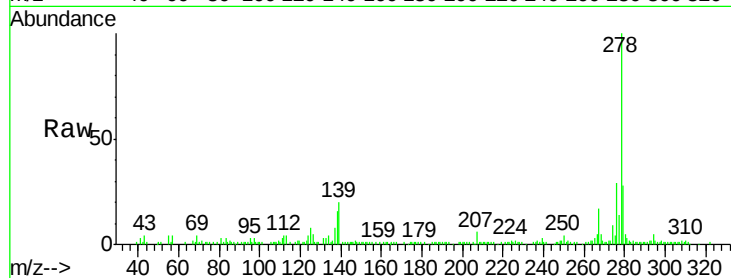
Tgt Ion:278 Resp: 115701

Ion Ratio Lower Upper

278 100

139 20.1 14.4 21.6

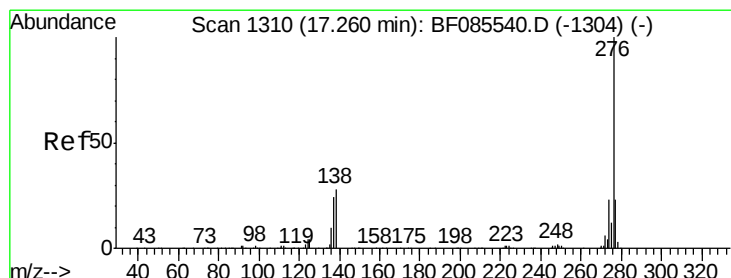
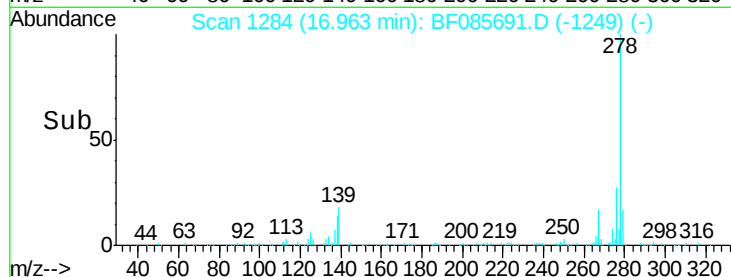
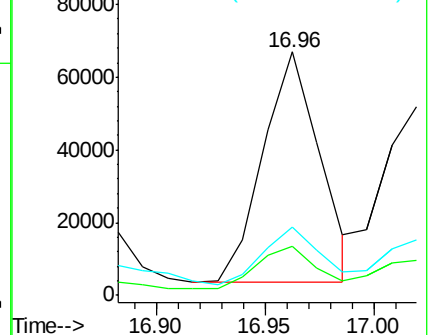
279 27.8 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 35.59 ng

RT: 17.23 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF085691.D

Acq: 23 Mar 2016 7:24

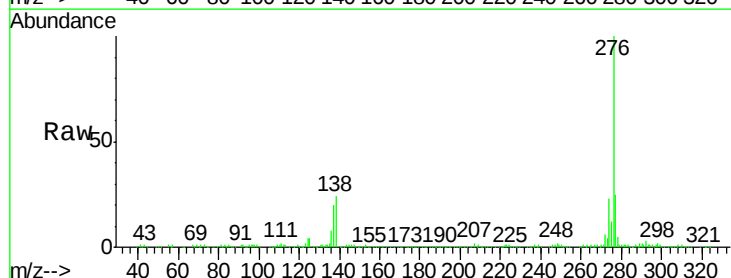
Tgt Ion:276 Resp: 390713

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 24.1 22.6 34.0



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

