

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089676.D
 Acq On : 8 Aug 2016 23:30
 Operator : UM/SJ
 Sample : H4331-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Quant Time: Aug 09 02:34:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	44423	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	189806	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	84607	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	140202	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	96890	20.00	ng	-0.02
86) Perylene-d12	20.03	264	106142	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	289362	109.17	ng	-0.01
7) Phenol-d6	6.96	99	392288	109.11	ng	-0.02
23) Nitrobenzene-d5	8.33	82	242334	70.62	ng	-0.03
41) 2,4,6-Tribromophenol	13.55	330	64213	91.97	ng	-0.03
44) 2-Fluorobiphenyl	11.22	172	382771	58.80	ng	-0.03
78) Terphenyl-d14	17.03	244	214128	43.63	ng	-0.02

Target Compounds						Qvalue
6) Aniline	6.92	93	320	0.07	ng	# 42
9) Benzaldehyde	6.80	77	520	0.40	ng	# 1
10) Phenol	6.98	94	5992	1.62	ng	# 32
11) bis(2-Chloroethyl)ether	7.07	93	210	0.07	ng	# 1
15) Benzyl Alcohol	7.66	79	3849	1.63	ng	# 43
18) Hexachloroethane	8.32	117	1387	0.93	ng	# 32
19) n-Nitroso-di-n-propylamine	8.33	70	29773	11.46	ng	# 80
22) Acetophenone	8.07	105	1339	0.30	ng	# 55
24) Nitrobenzene	8.33	77	831	0.25	ng	# 42
25) Isophorone	8.99	82	654	0.10	ng	# 68
31) Naphthalene	9.48	128	13898	1.38	ng	# 99
33) 4-Chloroaniline	9.48	127	1439	0.38	ng	# 30
37) 2-Methylnaphthalene	10.62	142	7397	1.19	ng	# 96
45) 1,1'-Biphenyl	11.39	154	1953	0.26	ng	# 90
47) 2-Nitroaniline	11.74	65	352	0.19	ng	# 27
48) Acenaphthylene	12.05	152	17403	1.85	ng	# 100
49) Dimethylphthalate	11.92	163	119457	18.01	ng	# 100
50) 2,6-Dinitrotoluene	11.92	165	1132	0.86	ng	# 1
51) Acenaphthene	12.32	154	22131	4.07	ng	# 98
54) Dibenzofuran	12.62	168	26235	3.51	ng	# 98
55) 4-Nitrophenol	12.62	139	10228	15.00	ng	# 21
57) Fluorene	13.15	166	30951	4.84	ng	# 99
62) Azobenzene	13.43	77	230	0.03	ng	# 1
65) n-Nitrosodiphenylamine	13.38	169	272	0.06	ng	# 1
70) Phenanthrene	14.71	178	489039	64.15	ng	# 99
71) Anthracene	14.79	178	111695	13.67	ng	# 99
72) Carbazole	15.09	167	38658	5.68	ng	# 97
73) Di-n-butylphthalate	15.67	149	9216	1.00	ng	# 94
74) Fluoranthene	16.47	202	499855	63.78	ng	# 99
77) Pyrene	16.78	202	404393	47.21	ng	# 97
79) Butylbenzylphthalate	17.70	149	28348	7.78	ng	# 100
80) Benzo(a)anthracene	18.35	228	182424	32.77	ng	# 98
81) 3,3'-Dichlorobenzidine	18.43	252	1605	0.92	ng	# 1
82) Chrysene	18.40	228	157757	27.01	ng	# 98

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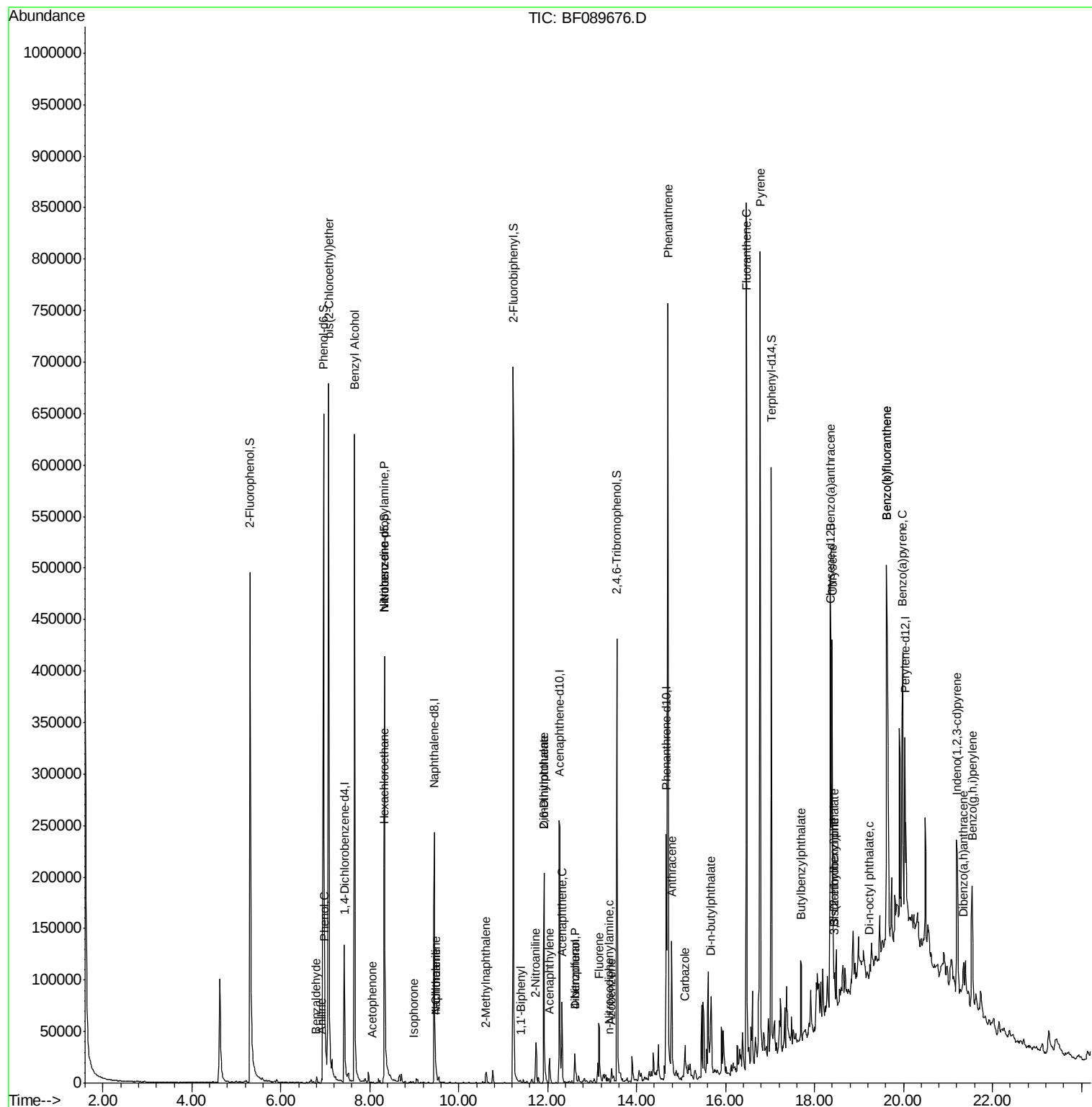
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	18.45	149	7339	1.45	ng	# 96
84) Di-n-octyl phthalate	19.22	149	1344	0.19	ng	# 41
85) Indeno(1,2,3-cd)pyrene	21.20	276	95485	21.53	ng	# 93
87) Benzo(b)fluoranthene	19.62	252	295583	45.28	ng	# 95
88) Benzo(k)fluoranthene	19.62	252	295583	44.88	ng	98
89) Benzo(a)pyrene	19.98	252	154871	25.34	ng	98
90) Dibenzo(a,h)anthracene	21.35	278	16383	2.87	ng	93
91) Benzo(g,h,i)perylene	21.54	276	85155	14.57	ng	94

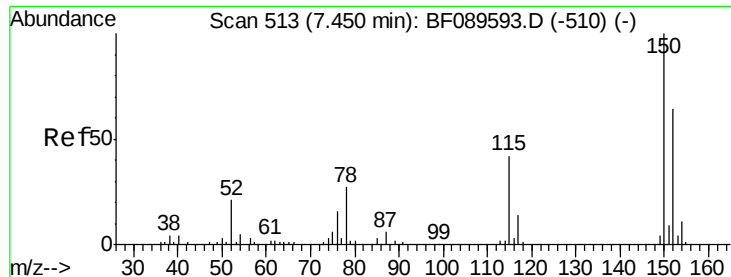
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

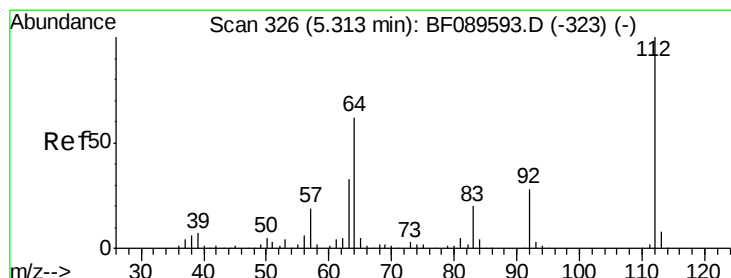
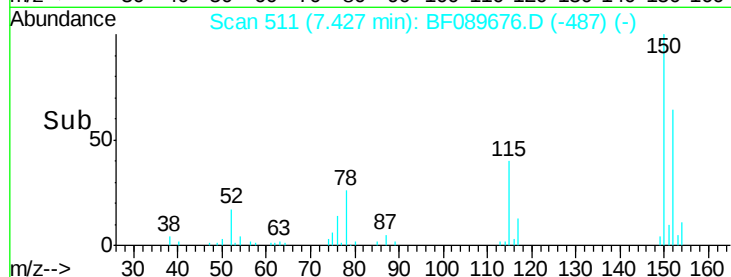
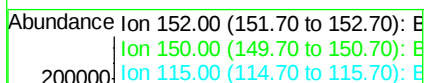
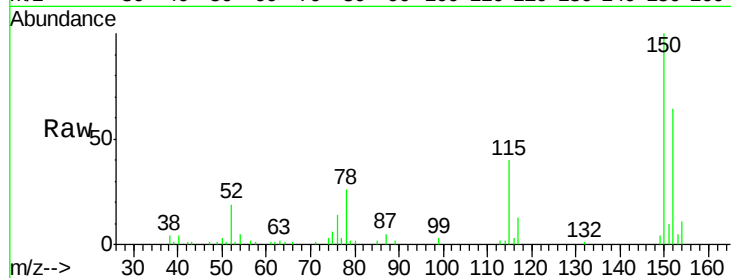
Tgt Ion:152 Resp: 44423

Ion Ratio Lower Upper

152 100

150 156.6 125.5 188.3

115 63.0 52.0 78.0



#5

2-Fluorophenol

Concen: 109.17 ng

RT: 5.30 min Scan# 325

Delta R.T. -0.01 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

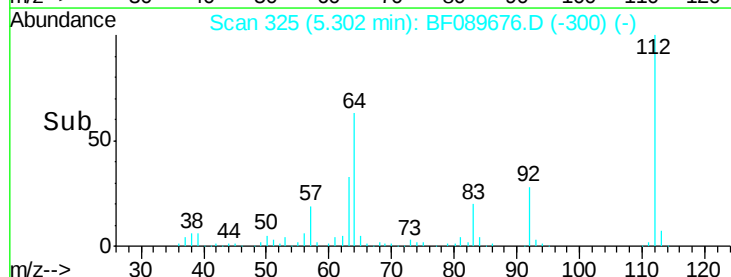
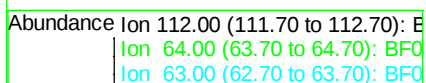
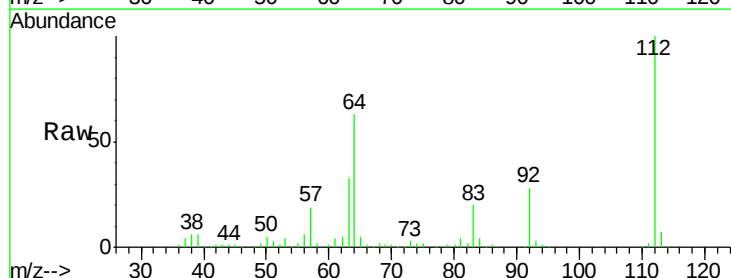
Tgt Ion:112 Resp: 289362

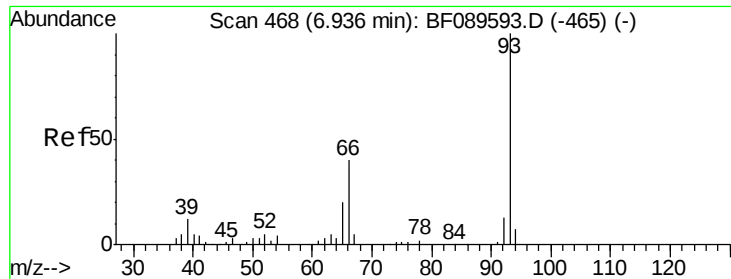
Ion Ratio Lower Upper

112 100

64 62.9 49.9 74.9

63 32.6 26.1 39.1





#6

Aniline

Concen: 0.07 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

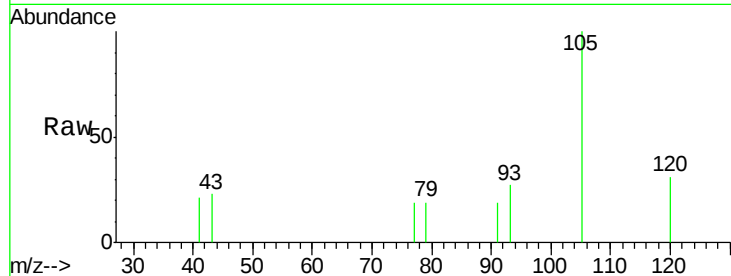
Tgt Ion: 93 Resp: 320

Ion Ratio Lower Upper

93 100

66 0.0 32.2 48.2#

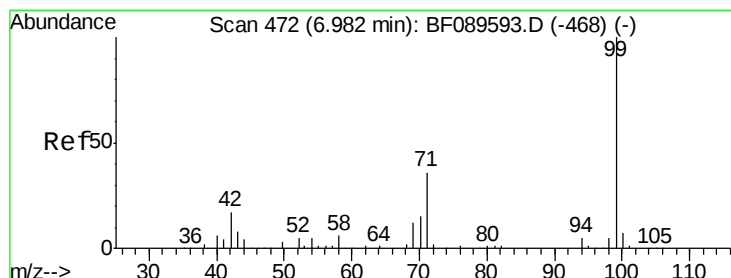
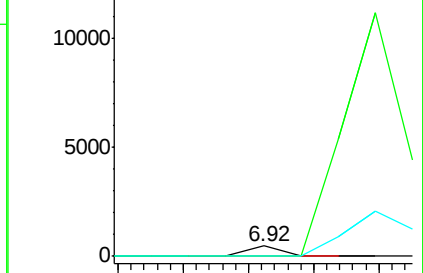
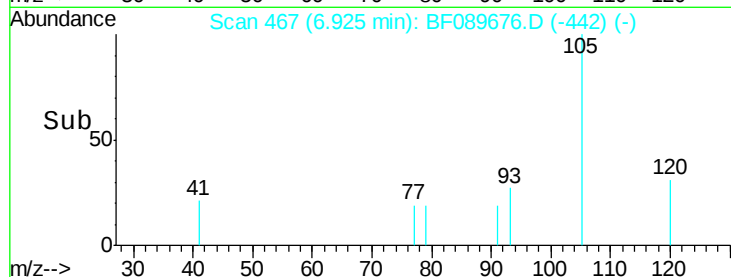
65 0.0 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 109.11 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

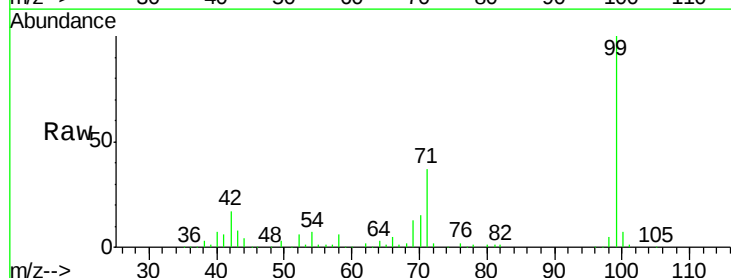
Tgt Ion: 99 Resp: 392288

Ion Ratio Lower Upper

99 100

42 17.3 13.7 20.5

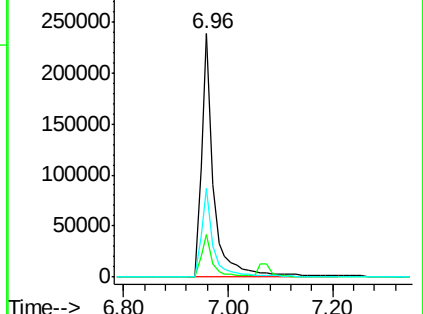
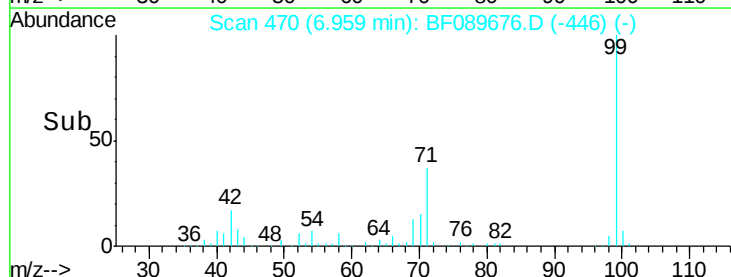
71 36.6 29.0 43.4

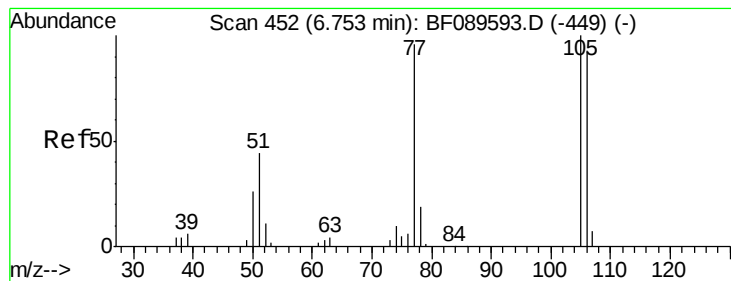


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.40 ng

RT: 6.80 min Scan# 456

Delta R.T. 0.05 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

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WC2-GRAB

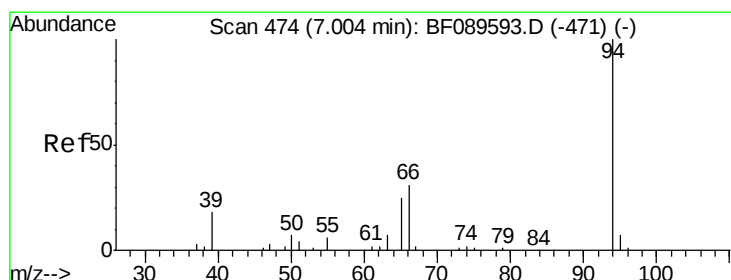
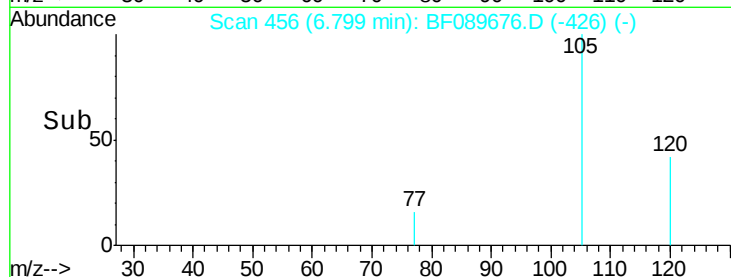
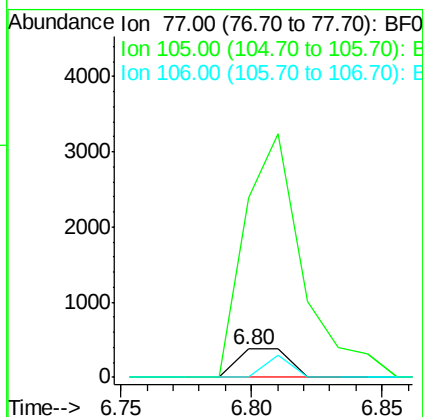
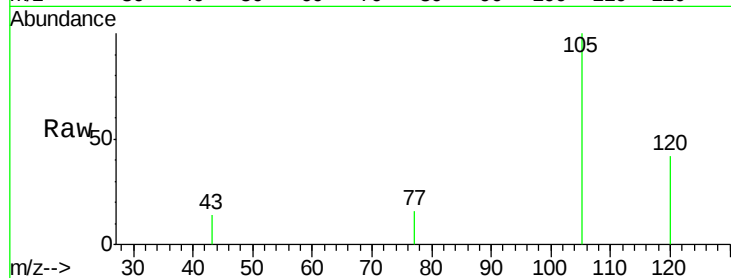
Tgt Ion: 77 Resp: 520

Ion Ratio Lower Upper

77 100

105 630.9 84.7 124.7#

106 0.0 77.1 117.1#



#10

Phenol

Concen: 1.62 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

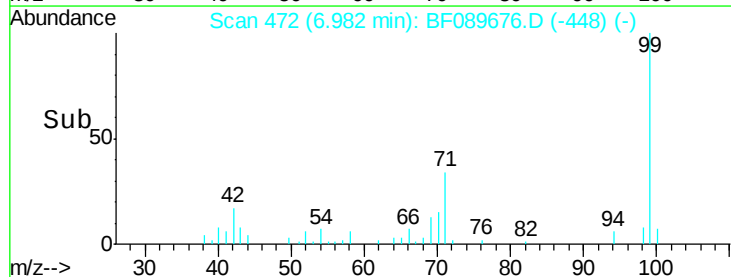
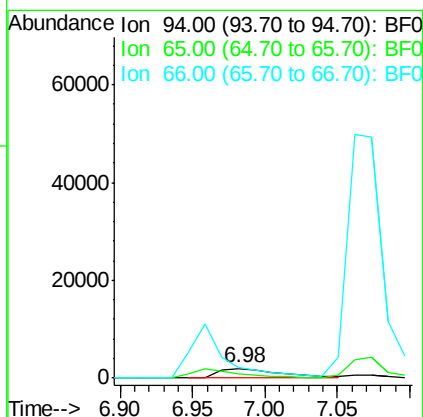
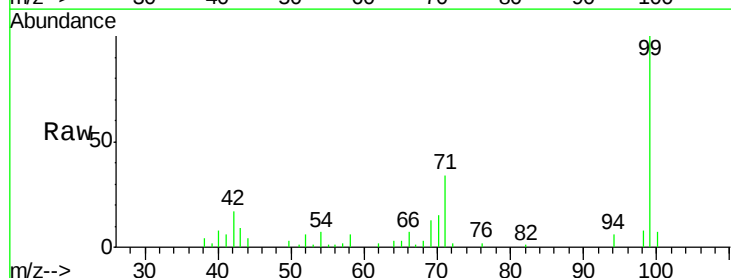
Tgt Ion: 94 Resp: 5992

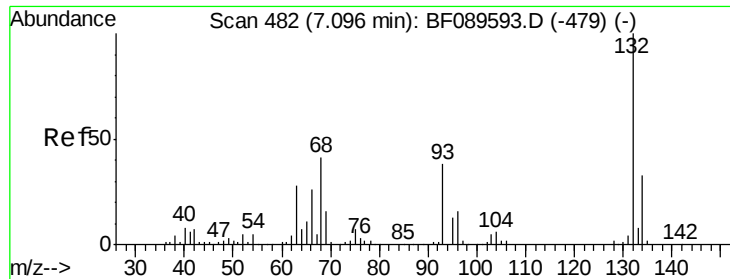
Ion Ratio Lower Upper

94 100

65 46.6 11.0 51.0

66 109.9 27.4 67.4#

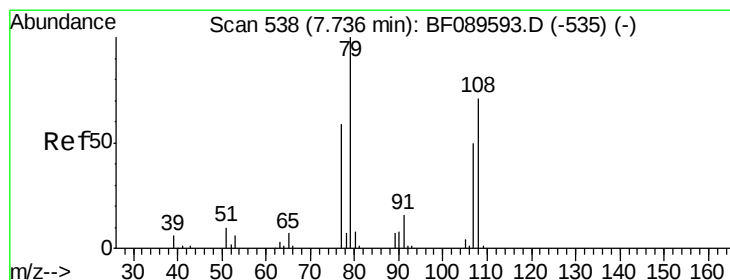
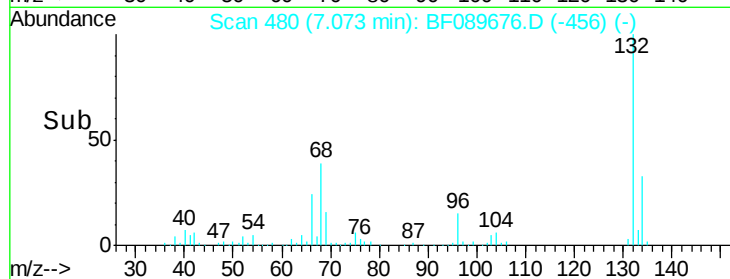
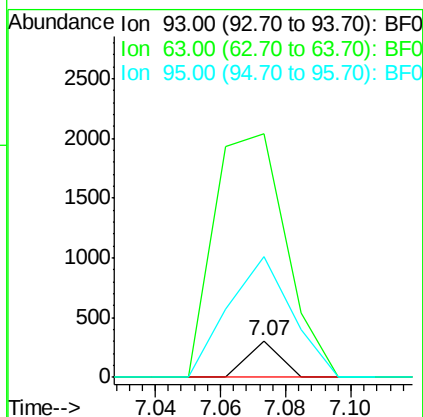
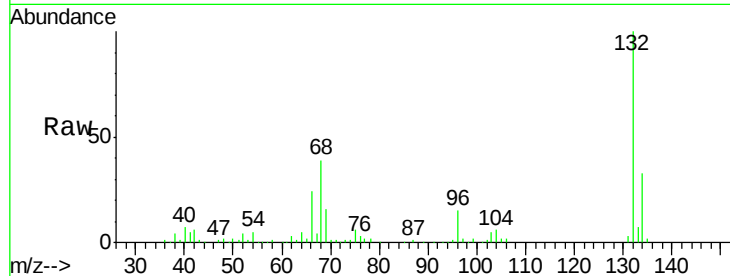




#11
bis(2-Chloroethyl)ether
Concen: 0.07 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

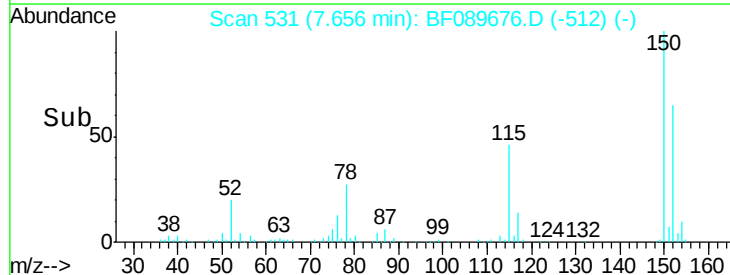
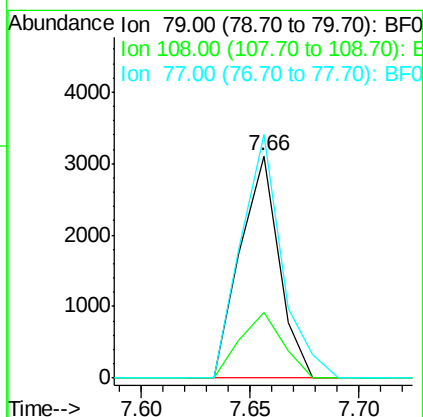
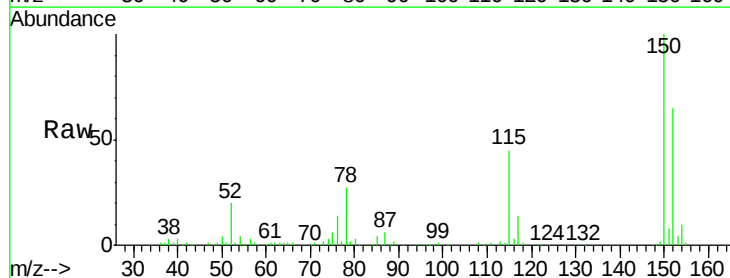
Instrument :
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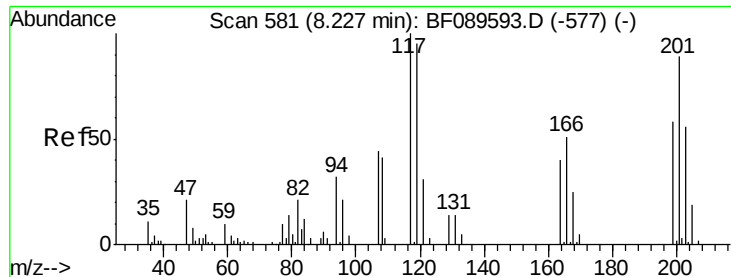
Tgt Ion: 93 Resp: 210
Ion Ratio Lower Upper
93 100
63 666.3 52.2 92.2#
95 330.7 13.1 53.1#



#15
Benzyl Alcohol
Concen: 1.63 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion: 79 Resp: 3849
Ion Ratio Lower Upper
79 100
108 29.8 58.3 87.5#
77 109.6 48.7 73.1#

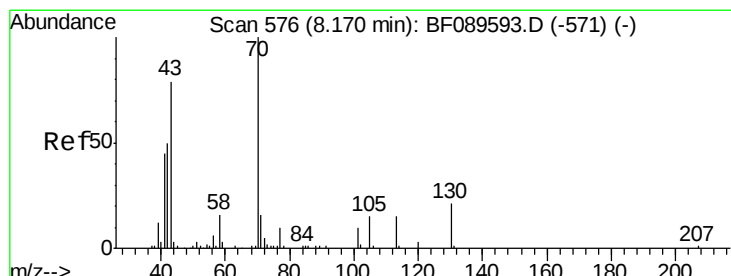
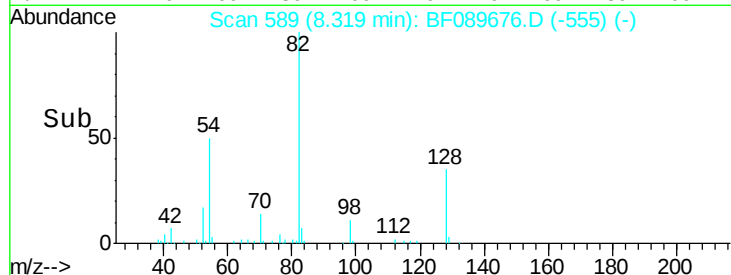
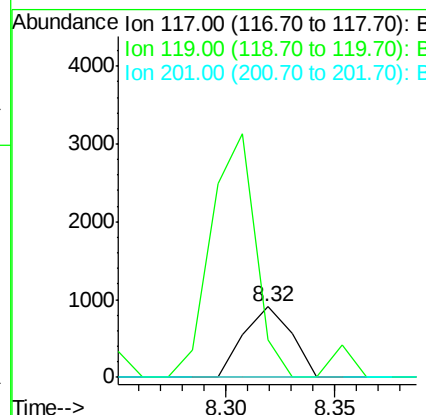
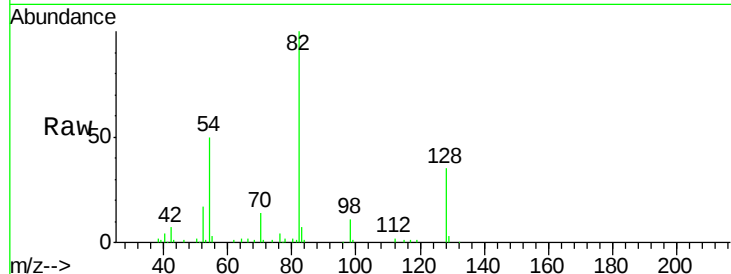




#18
Hexachloroethane
Concen: 0.93 ng
RT: 8.32 min Scan# 589
Delta R.T. 0.09 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

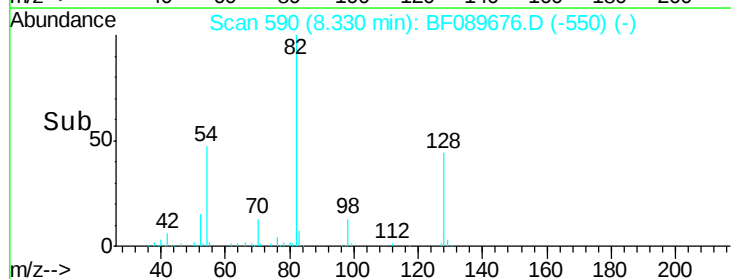
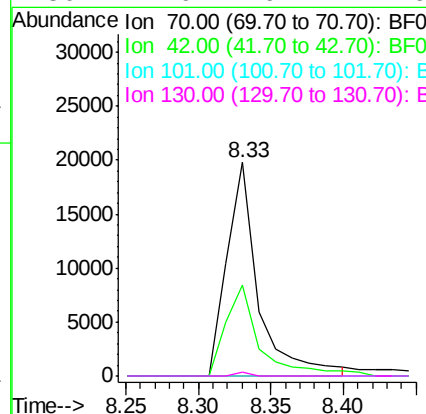
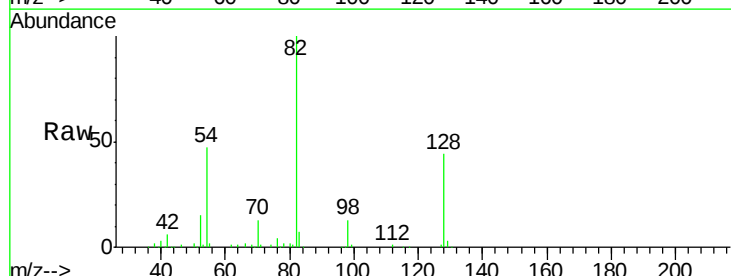
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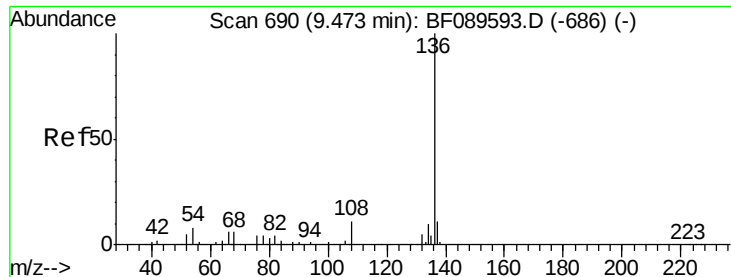
Tgt Ion: 117 Resp: 1387
Ion Ratio Lower Upper
117 100
119 53.5 75.7 113.5#
201 0.0 71.6 107.4#



#19
n-Nitroso-di-n-propylamine
Concen: 11.46 ng
RT: 8.33 min Scan# 590
Delta R.T. 0.16 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion: 70 Resp: 29773
Ion Ratio Lower Upper
70 100
42 42.8 40.2 60.2
101 0.0 7.8 11.6#
130 1.9 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

Tgt Ion:136 Resp: 189806

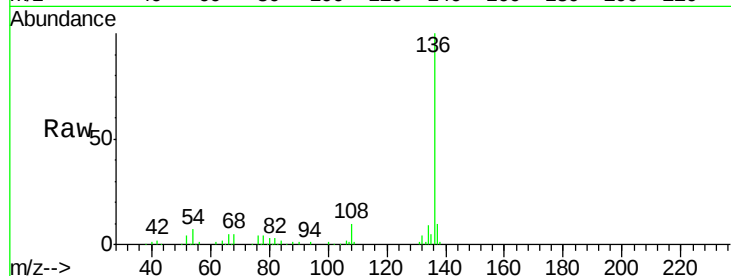
Ion Ratio Lower Upper

136 100

137 10.0 8.6 12.8

54 6.6 6.0 9.0

68 5.0 4.6 6.8

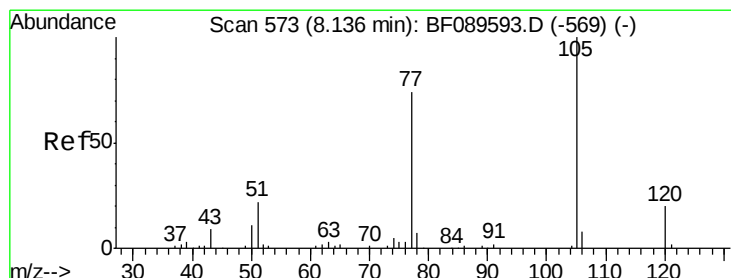
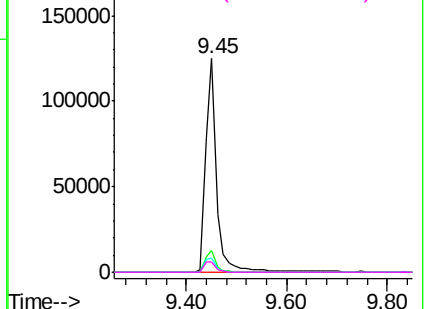
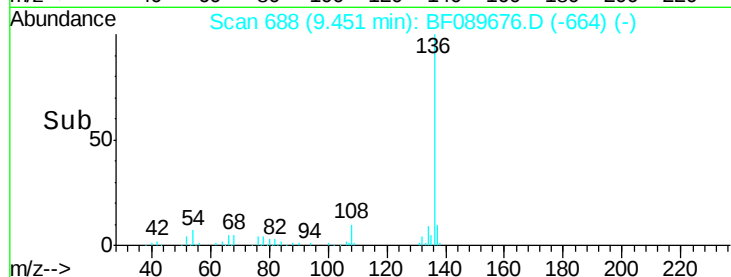


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.30 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.07 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Tgt Ion:105 Resp: 1339

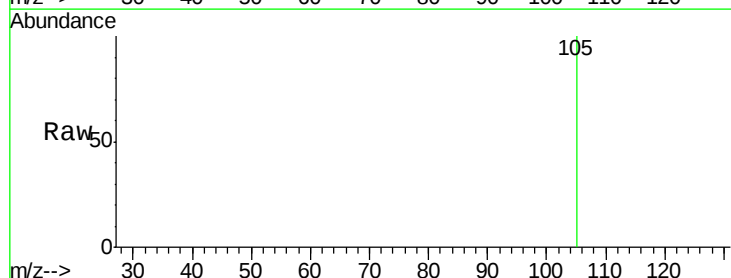
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 0.0 18.2 27.2#

120 0.0 15.7 23.5#

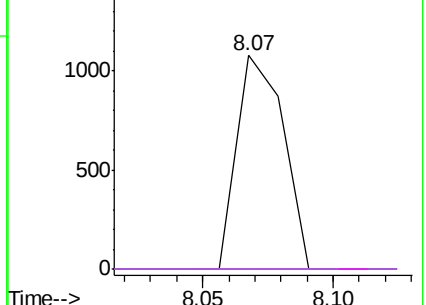
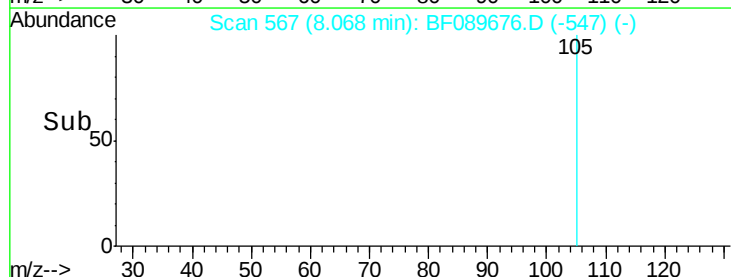


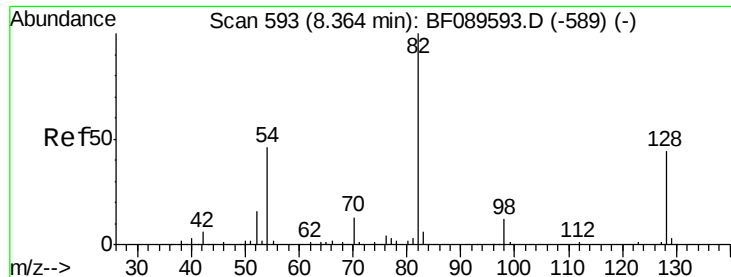
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

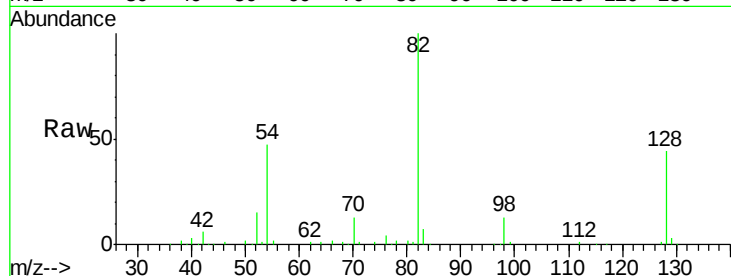




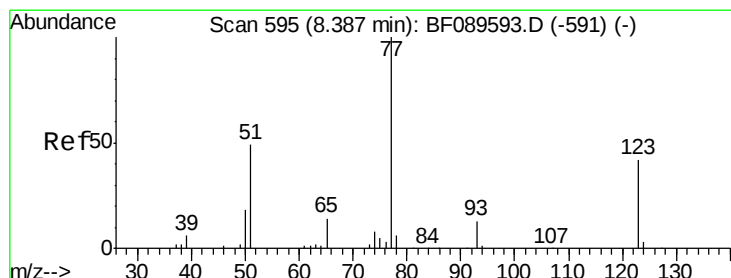
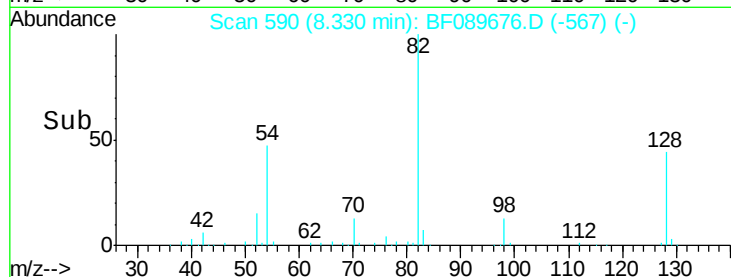
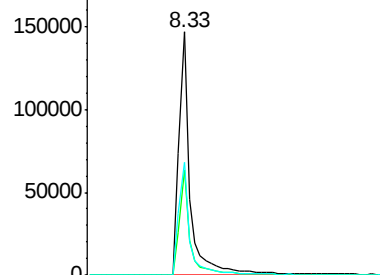
#23
Nitrobenzene-d5
Concen: 70.62 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.03 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

Tgt Ion: 82 Resp: 242334
Ion Ratio Lower Upper
82 100
128 43.5 35.4 53.0
54 46.6 36.4 54.6

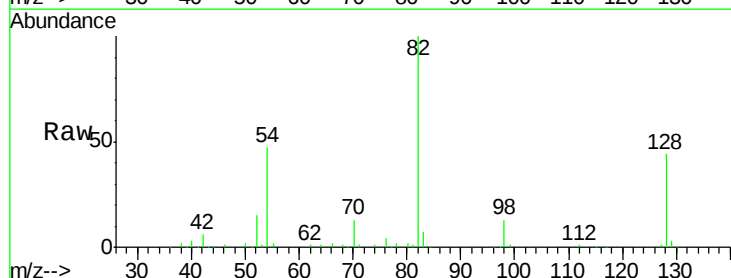


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

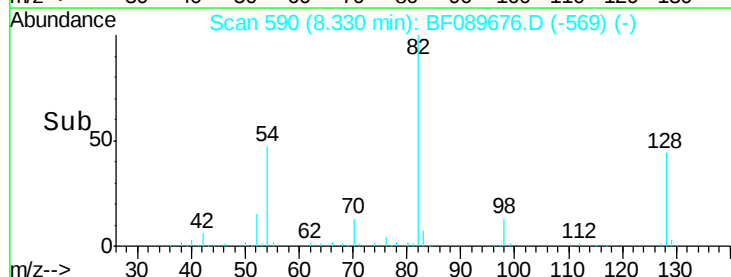
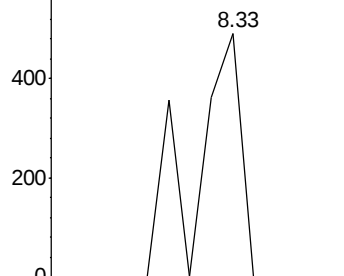


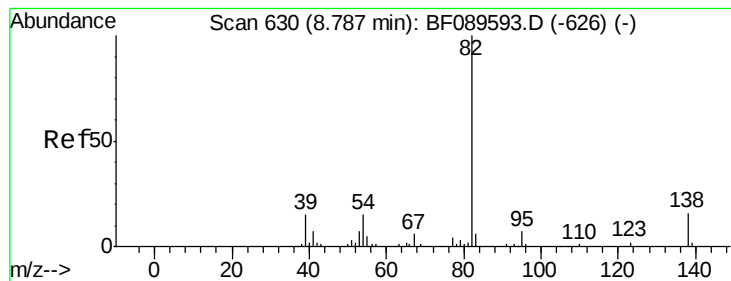
#24
Nitrobenzene
Concen: 0.25 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.06 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion: 77 Resp: 831
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 0.0 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.10 ng

RT: 8.99 min Scan# 648

Delta R.T. 0.21 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

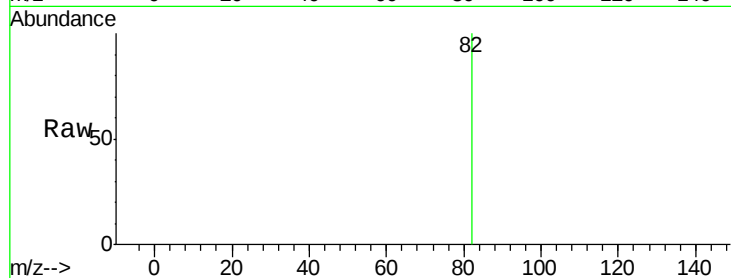
Tgt Ion: 82 Resp: 654

Ion Ratio Lower Upper

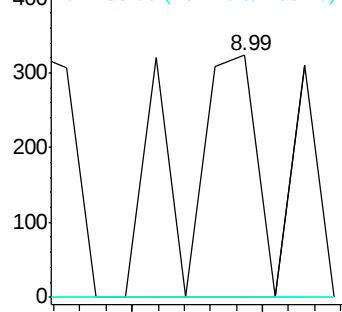
82 100

95 0.0 5.8 8.8#

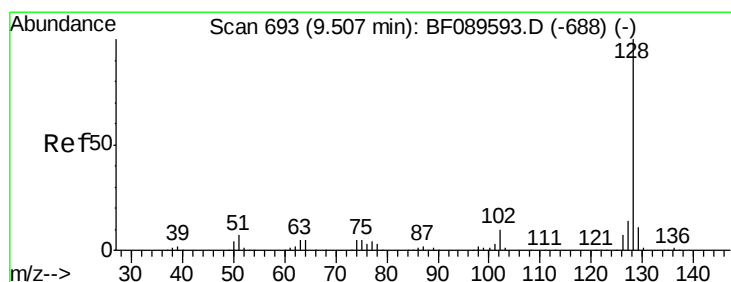
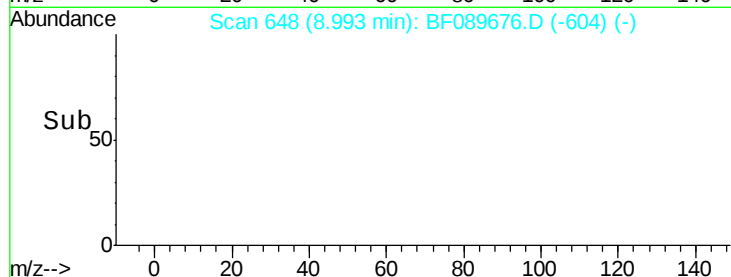
138 0.0 12.6 18.8#



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



Time-->



#31

Naphthalene

Concen: 1.38 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

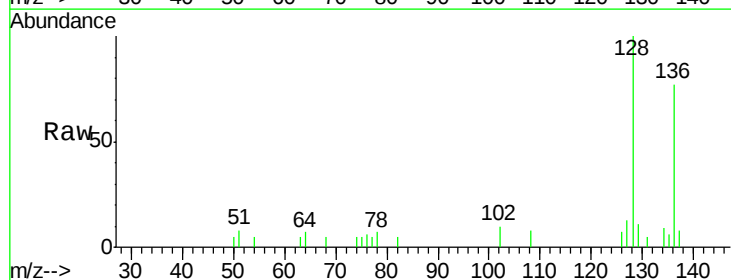
Tgt Ion: 128 Resp: 13898

Ion Ratio Lower Upper

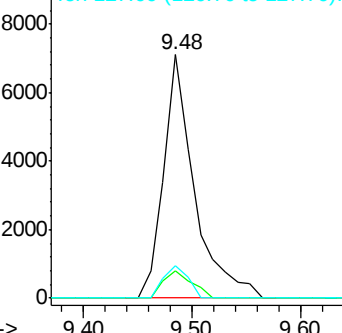
128 100

129 11.3 8.7 13.1

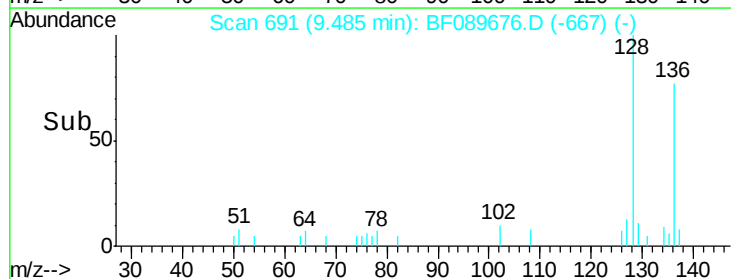
127 13.2 10.9 16.3

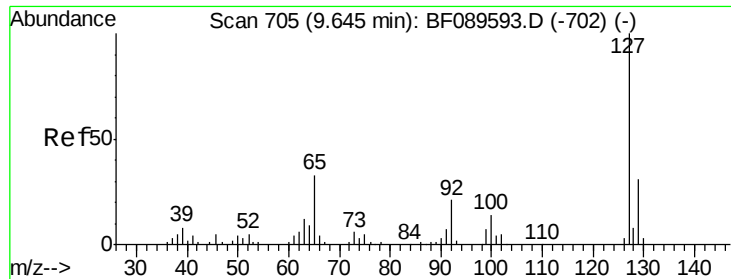


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->

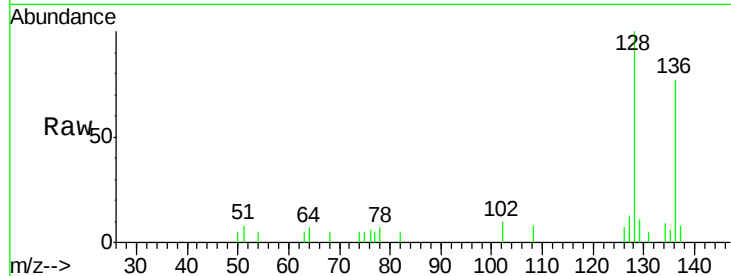




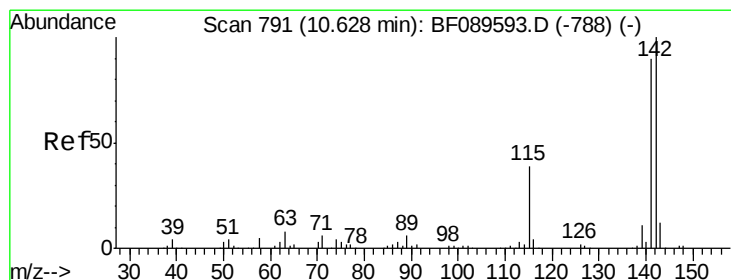
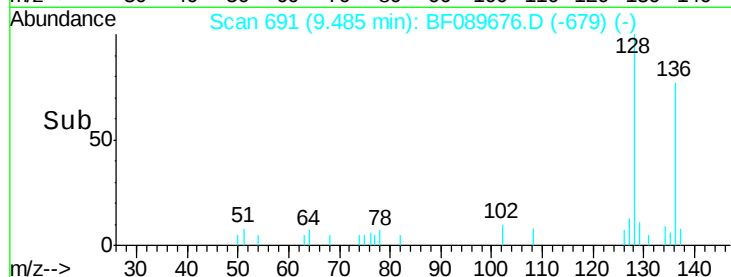
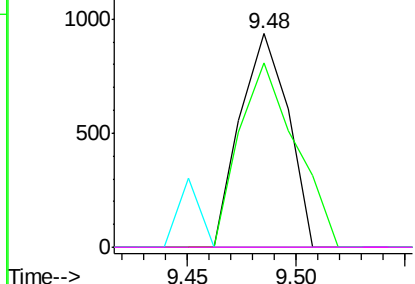
#33
 4-Chloroaniline
 Concen: 0.38 ng
 RT: 9.48 min Scan# 691
 Delta R.T. -0.16 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion:	127	Resp:	1439
Ion	Ratio	Lower	Upper
127	100		
129	86.2	25.1	37.7#
65	0.0	26.2	39.2#
92	0.0	16.9	25.3#

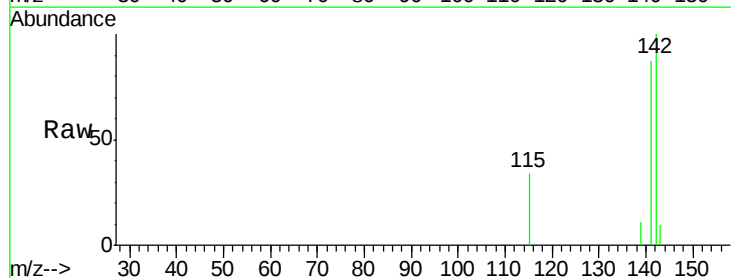


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

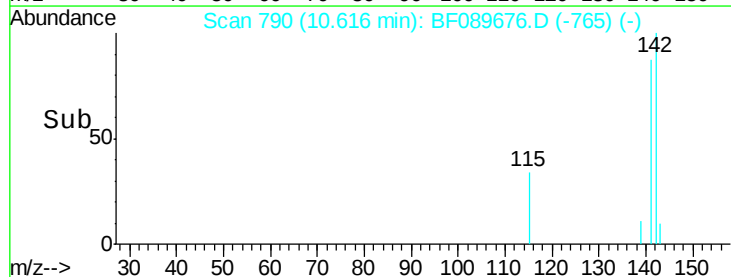
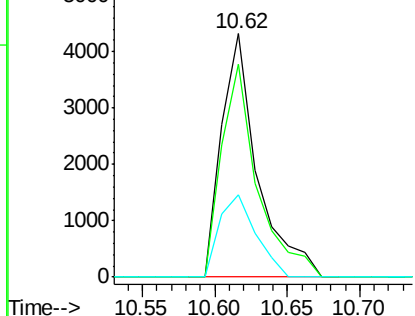


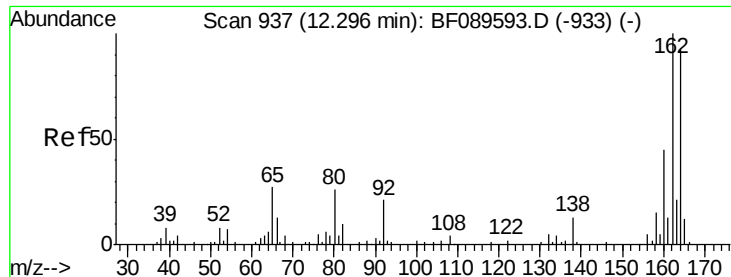
#37
 2-Methylnaphthalene
 Concen: 1.19 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:	142	Resp:	7397
Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.8	107.6
115	33.9	31.0	46.4



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

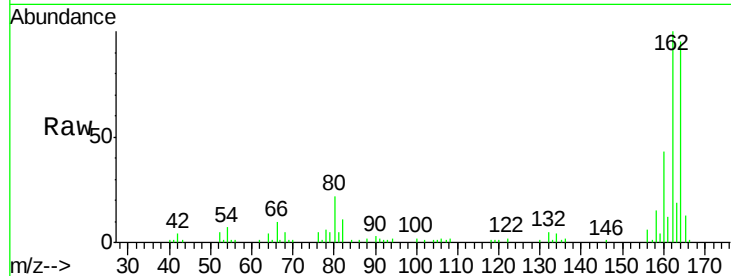




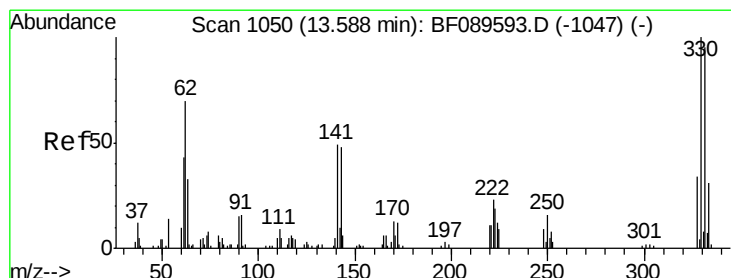
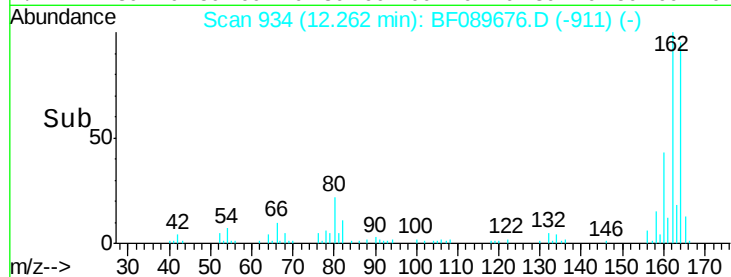
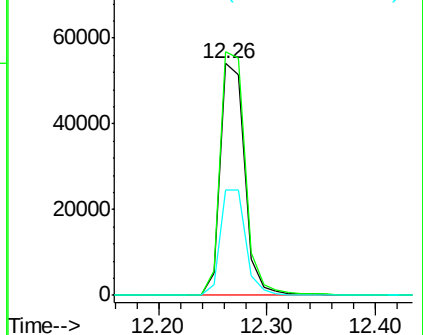
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion:164 Resp: 84607
 Ion Ratio Lower Upper
 164 100
 162 105.1 85.7 128.5
 160 45.4 38.2 57.4

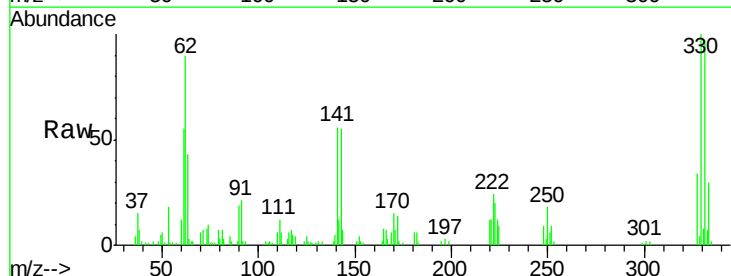


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

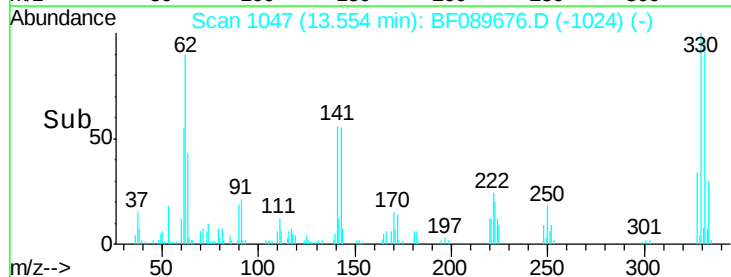
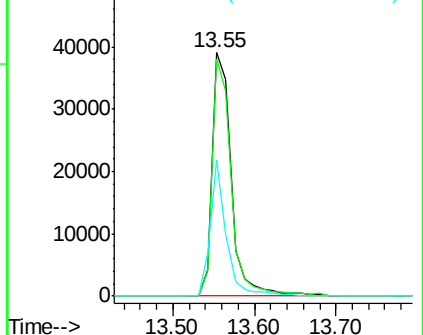


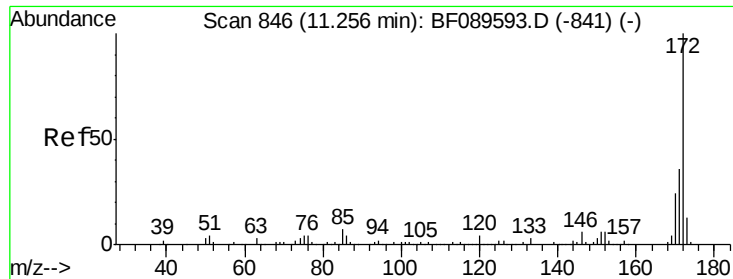
#41
 2,4,6-Tribromophenol
 Concen: 91.97 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:330 Resp: 64213
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 47.7 38.6 57.8



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

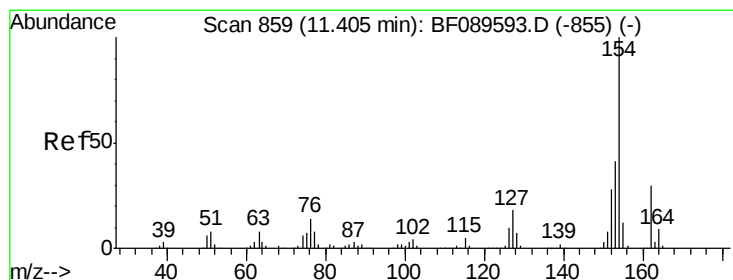
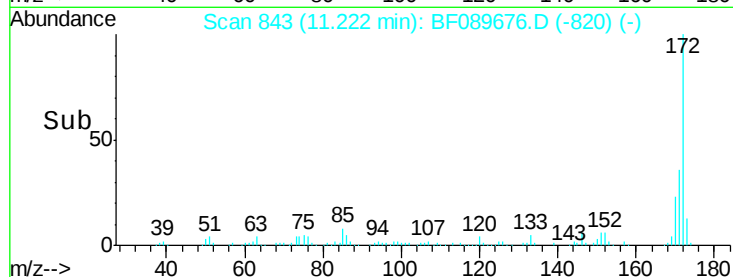
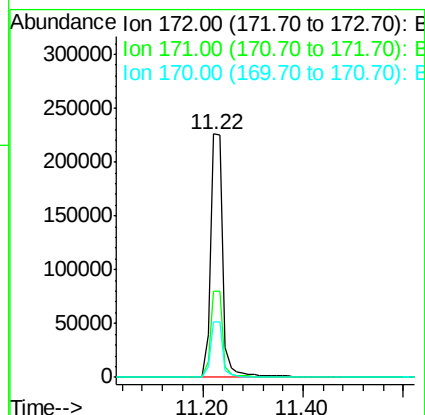
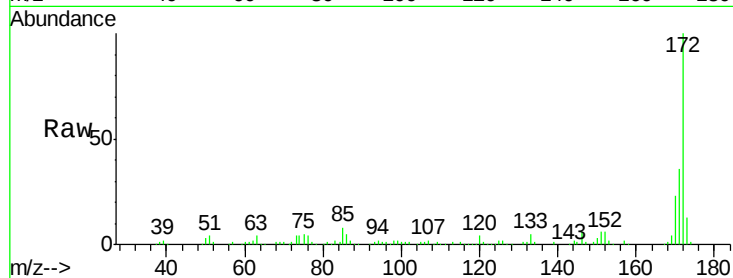




#44
 2-Fluorobiphenyl
 Concen: 58.80 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

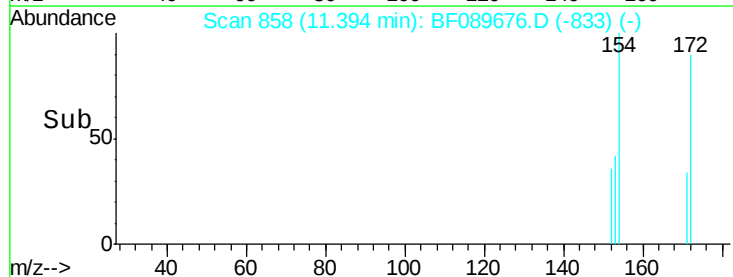
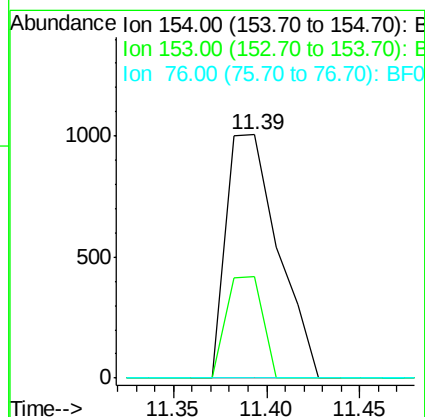
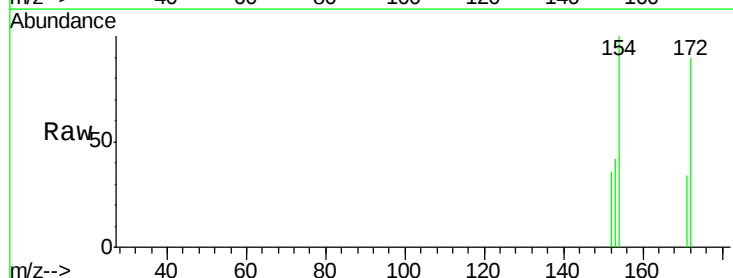
Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

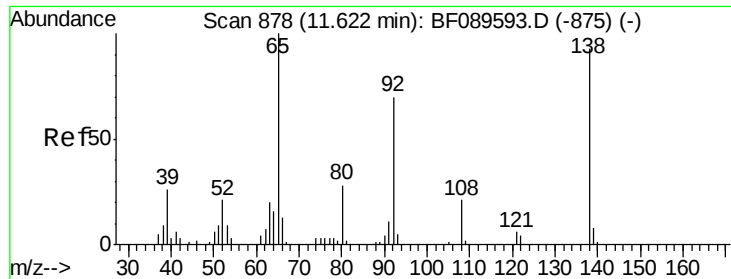
Tgt Ion:172 Resp: 382771
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 23.0 19.0 28.6



#45
 1,1'-Biphenyl
 Concen: 0.26 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:154 Resp: 1953
 Ion Ratio Lower Upper
 154 100
 153 41.6 20.6 60.6
 76 0.0 0.0 33.7





#47

2-Nitroaniline

Concen: 0.19 ng

RT: 11.74 min Scan# 888

Delta R.T. 0.12 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

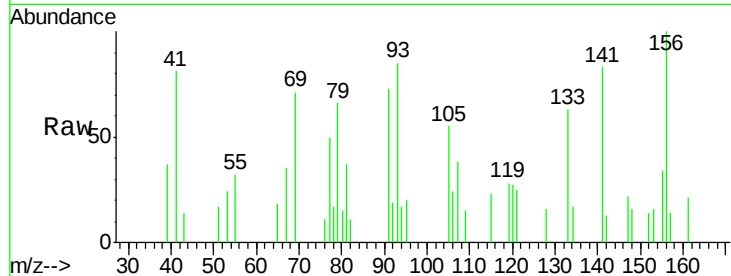
Tgt Ion: 65 Resp: 352

Ion Ratio Lower Upper

65 100

92 104.9 56.3 84.5#

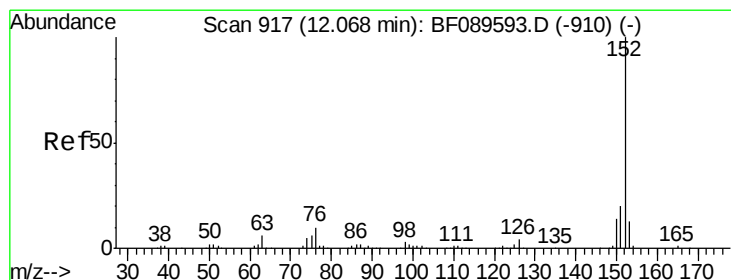
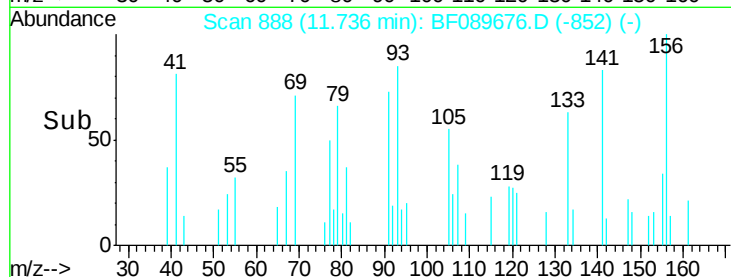
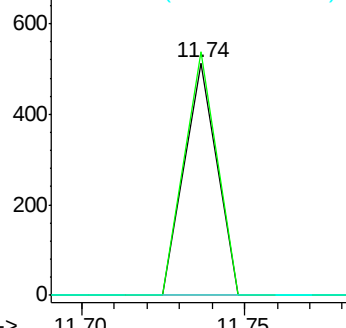
138 0.0 74.3 111.5#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 1.85 ng

RT: 12.05 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

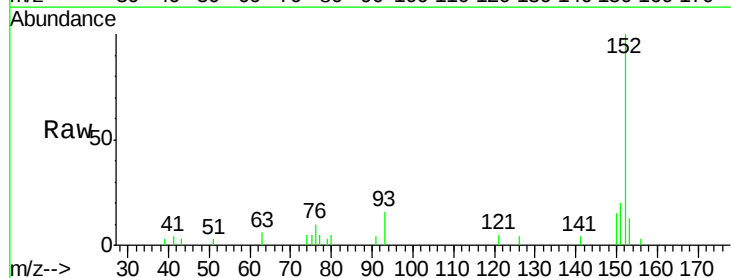
Tgt Ion: 152 Resp: 17403

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

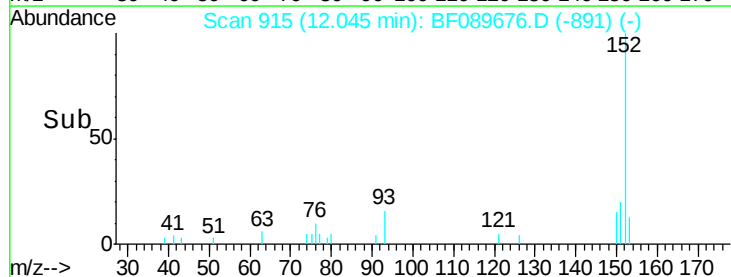
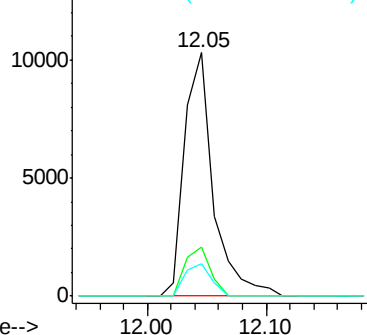
153 13.1 10.5 15.7

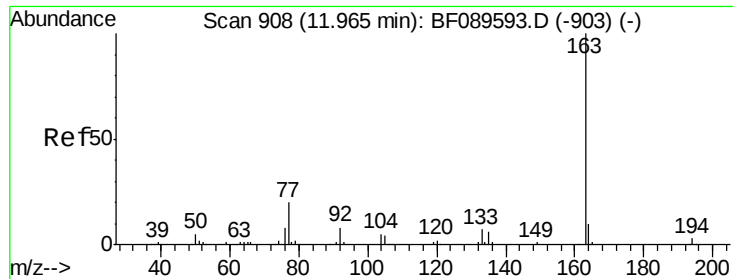


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

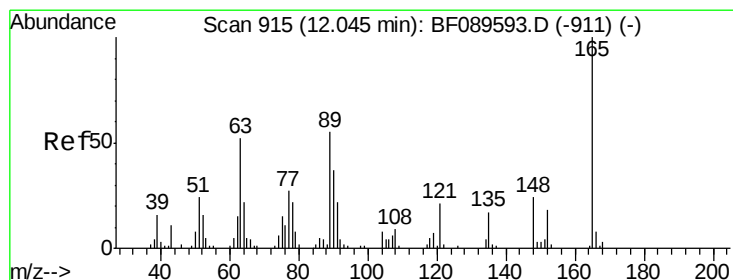
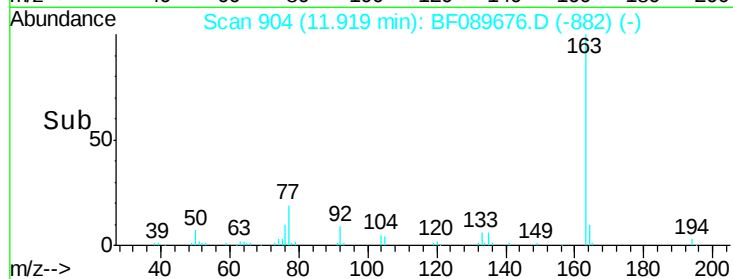
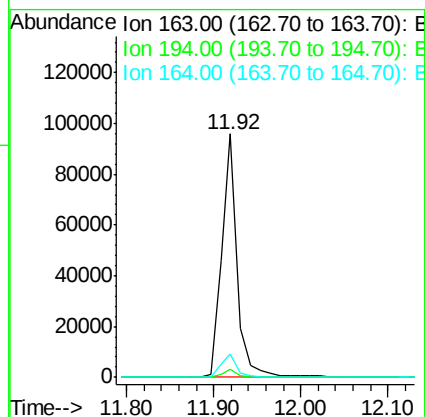
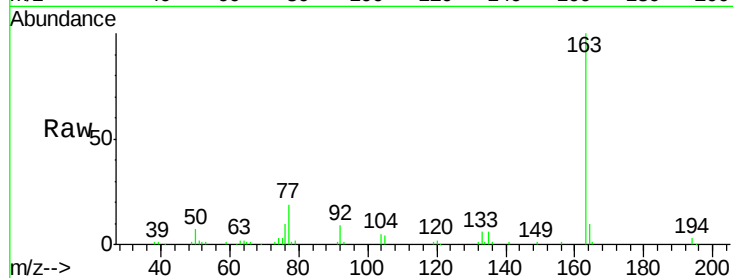




#49
Dimethylphthalate
Concen: 18.01 ng
RT: 11.92 min Scan# 904
Delta R.T. -0.05 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

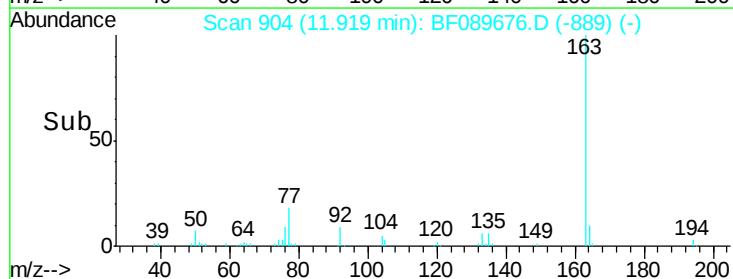
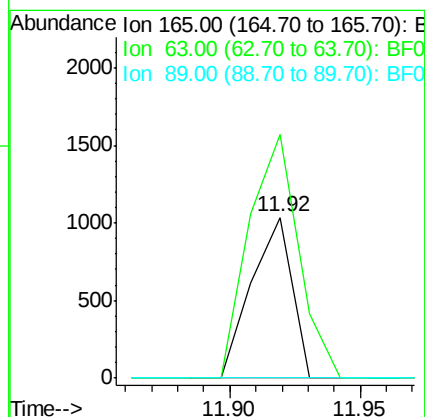
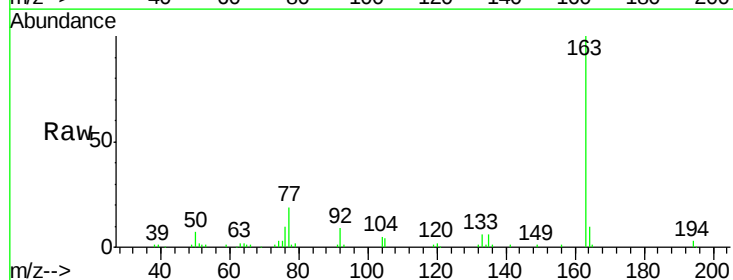
Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

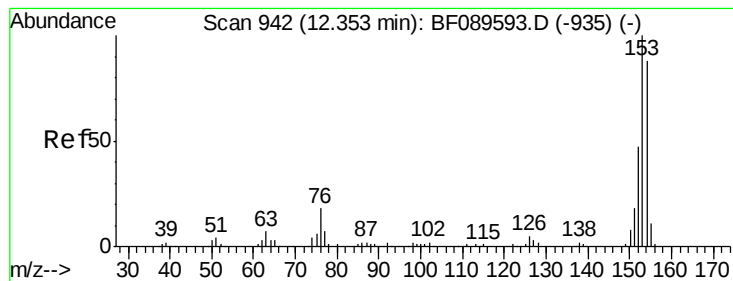
Tgt Ion:163 Resp: 119457
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.7 7.8 11.6



#50
2,6-Dinitrotoluene
Concen: 0.86 ng
RT: 11.92 min Scan# 904
Delta R.T. -0.13 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion:165 Resp: 1132
Ion Ratio Lower Upper
165 100
63 151.6 44.6 67.0#
89 0.0 44.2 66.2#





#51

Acenaphthene

Concen: 4.07 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

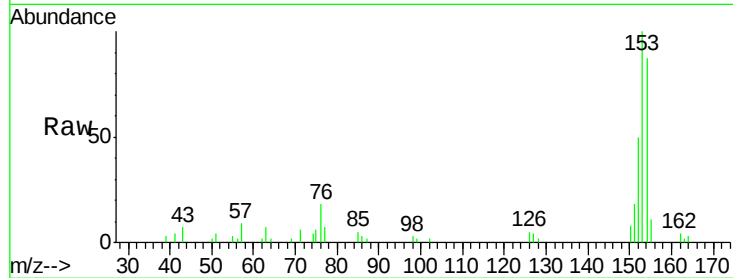
Tgt Ion:154 Resp: 22131

Ion Ratio Lower Upper

154 100

153 115.4 91.1 136.7

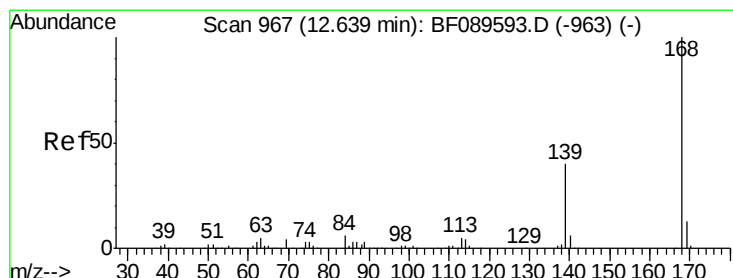
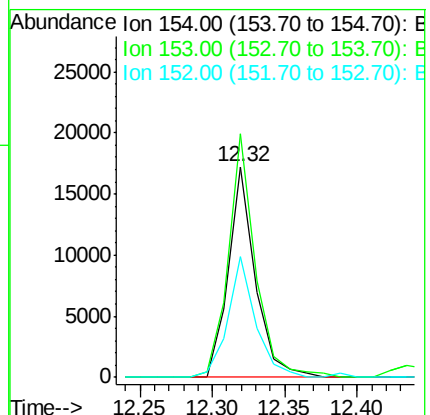
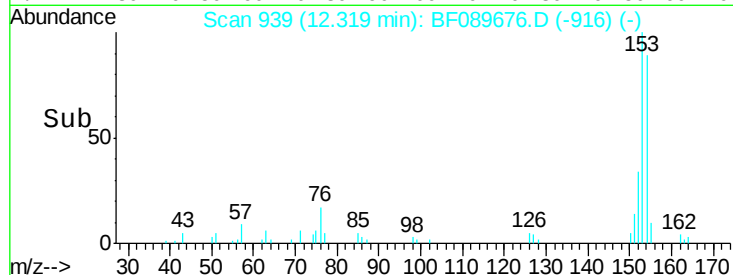
152 57.3 43.5 65.3



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: 3.51 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

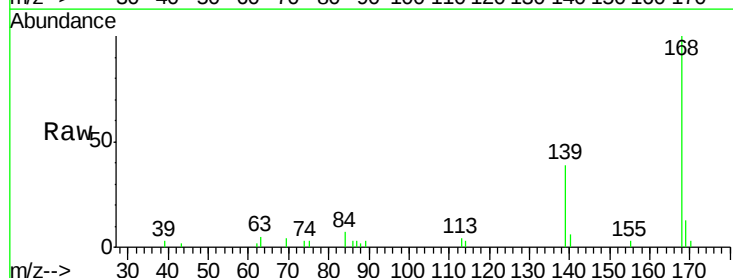
Tgt Ion:168 Resp: 26235

Ion Ratio Lower Upper

168 100

139 38.8 32.3 48.5

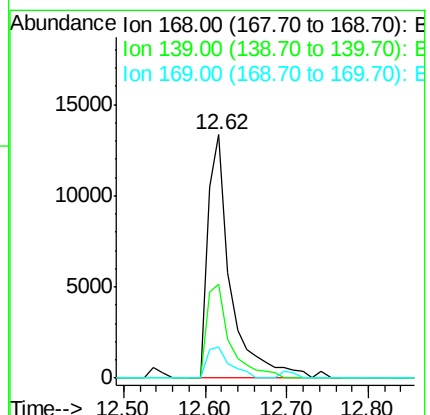
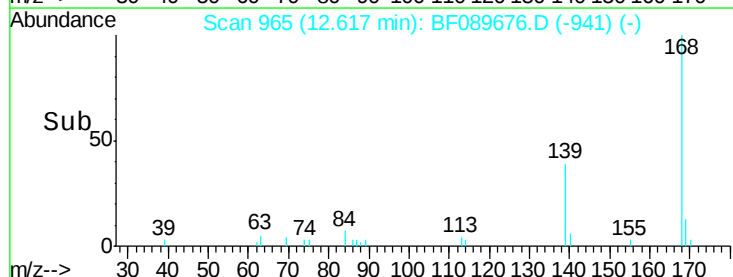
169 13.1 10.6 15.8

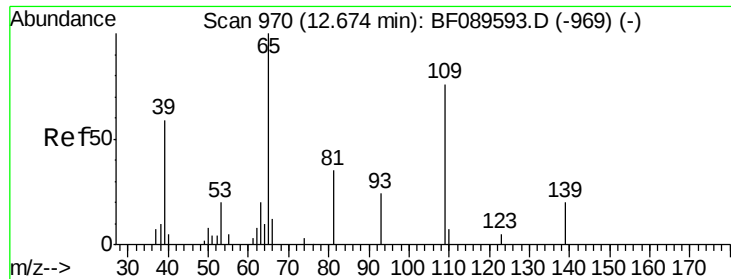


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

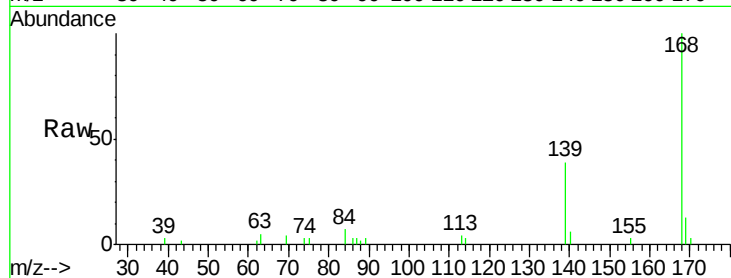




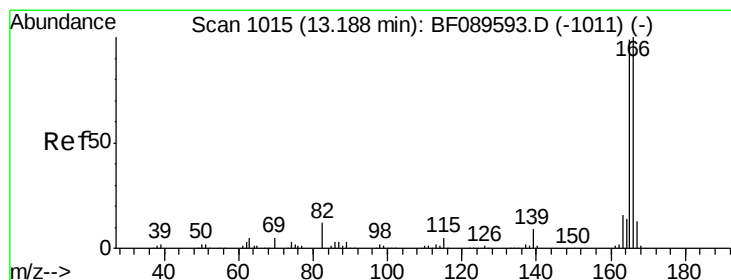
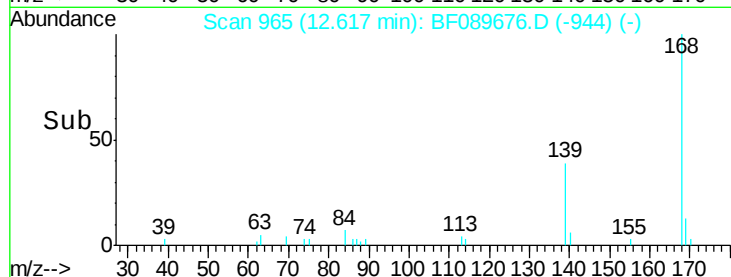
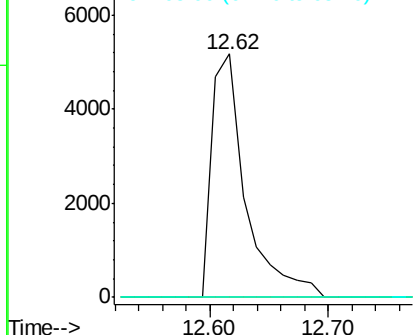
#55
4-Nitrophenol
Concen: 15.00 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.06 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

Tgt Ion:139 Resp: 10228
Ion Ratio Lower Upper
139 100
109 0.0 28.9 68.9#
65 0.0 49.2 89.2#

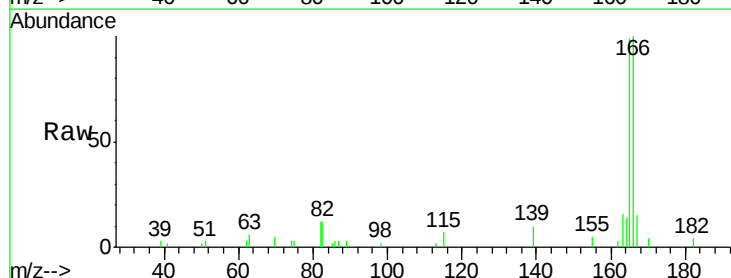


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

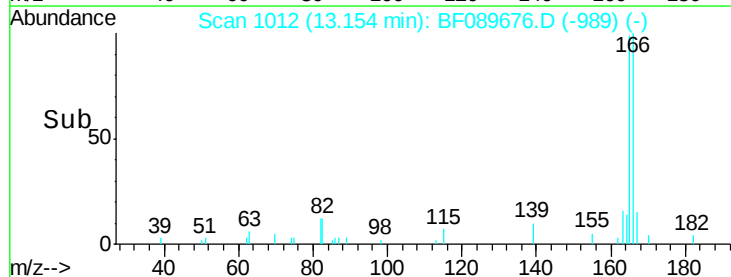
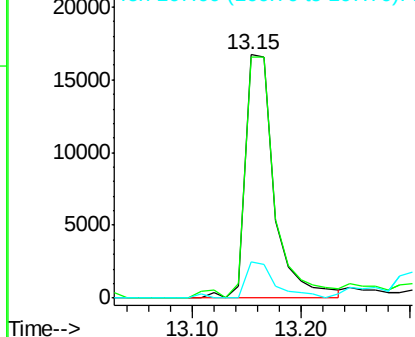


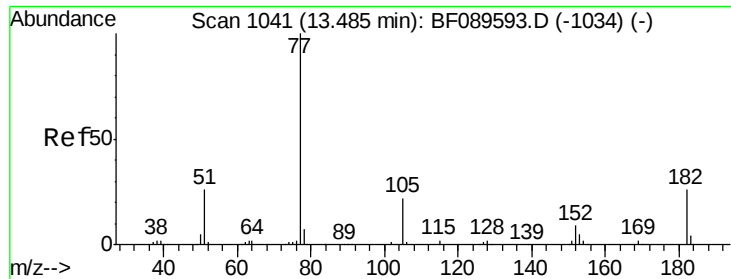
#57
Fluorene
Concen: 4.84 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion:166 Resp: 30951
Ion Ratio Lower Upper
166 100
165 99.1 78.9 118.3
167 14.9 10.4 15.6



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





#62

Azobenzene

Concen: 0.03 ng

RT: 13.43 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

Tgt Ion: 77 Resp: 230

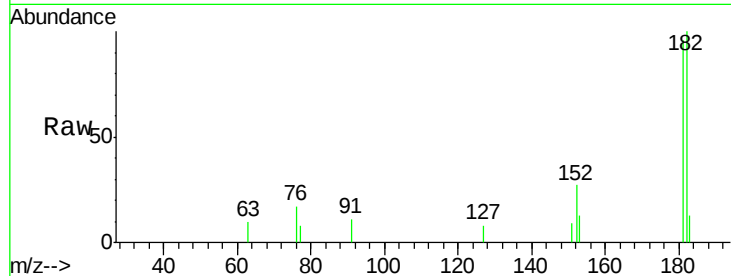
Ion Ratio Lower Upper

77 100

182 1269.9 5.8 45.8#

105 0.0 2.9 42.9#

51 0.0 7.2 47.2#

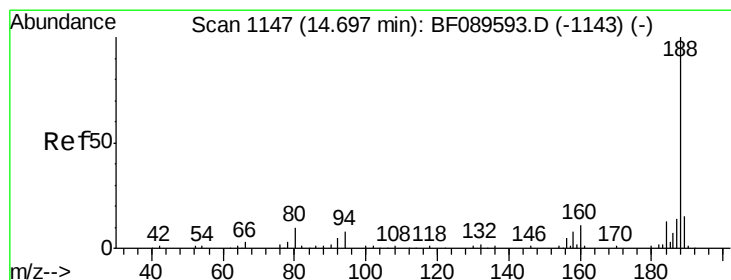
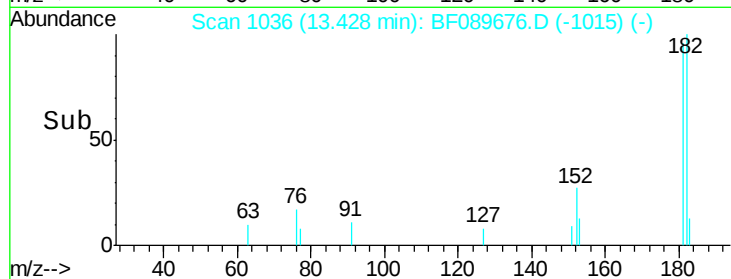
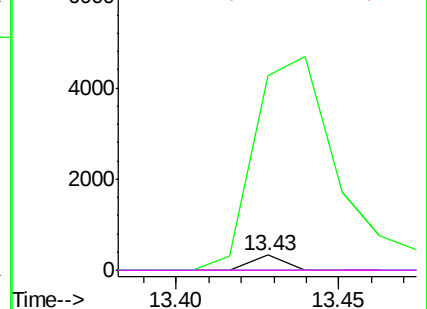


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

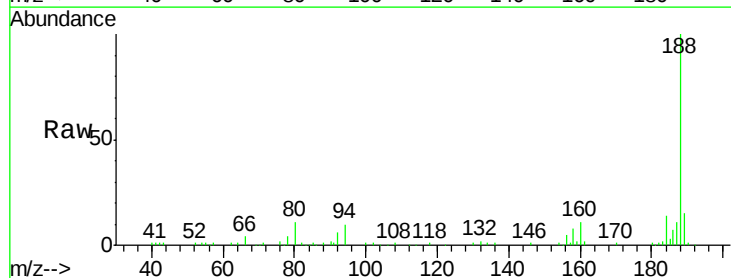
Tgt Ion: 188 Resp: 140202

Ion Ratio Lower Upper

188 100

94 9.5 6.5 9.7

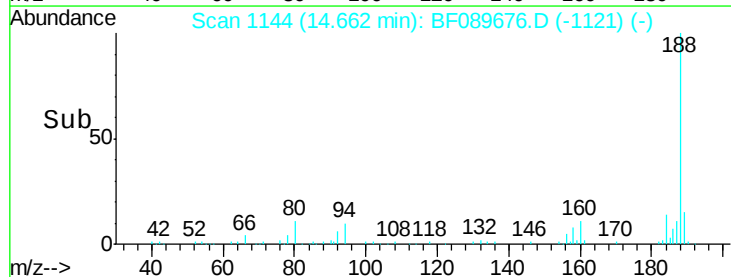
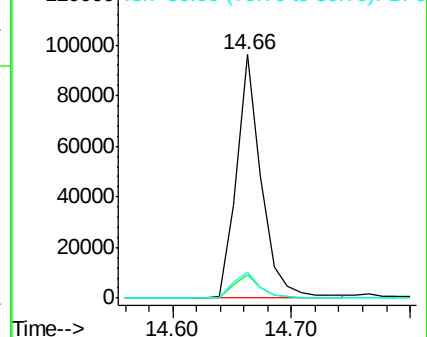
80 10.7 8.0 12.0

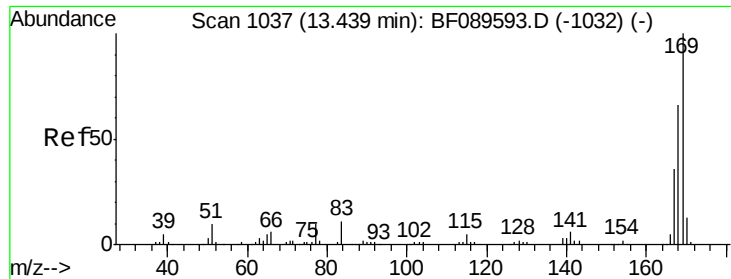


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

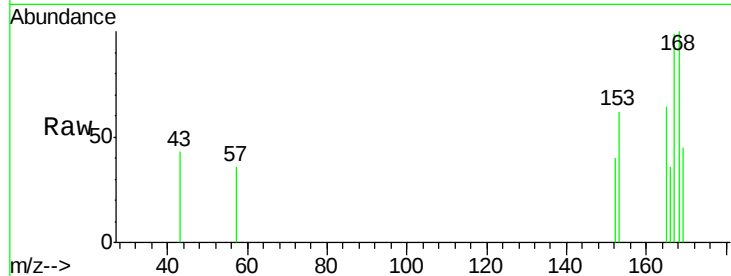




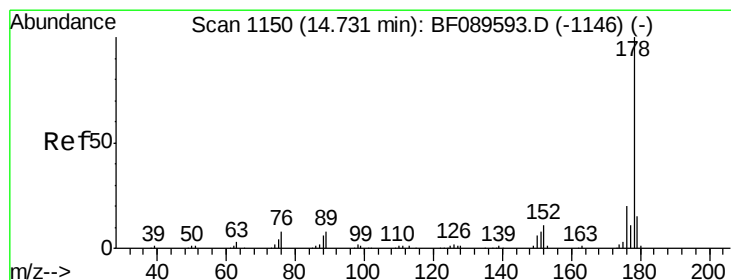
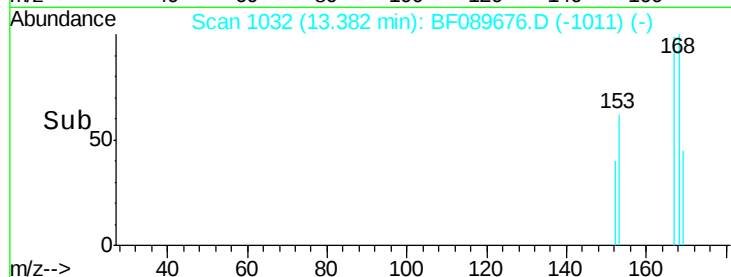
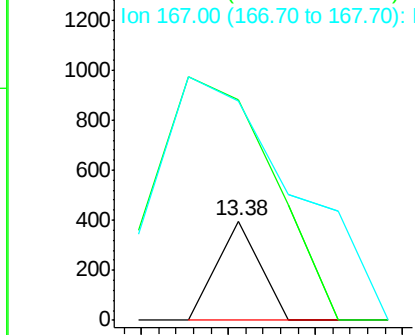
#65
 n-Nitrosodiphenylamine
 Concen: 0.06 ng
 RT: 13.38 min Scan# 1032
 Delta R.T. -0.06 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion:169 Resp: 272
 Ion Ratio Lower Upper
 169 100
 168 222.7 54.2 81.2#
 167 221.0 28.9 43.3#

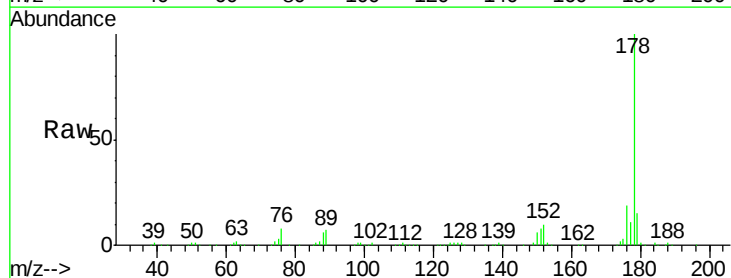


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

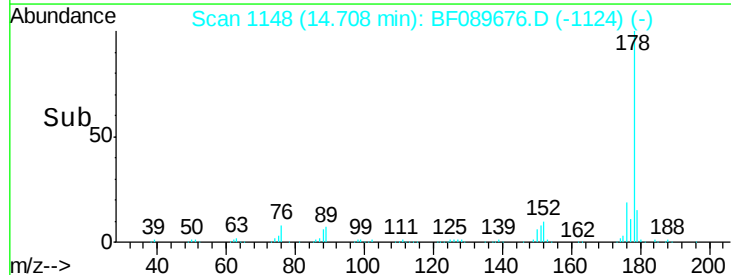
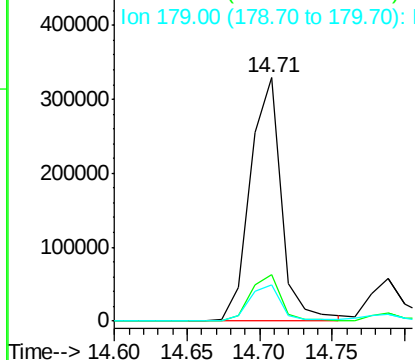


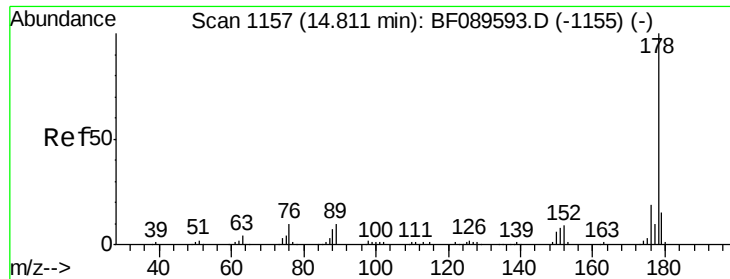
#70
 Phenanthrene
 Concen: 64.15 ng
 RT: 14.71 min Scan# 1148
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:178 Resp: 489039
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 14.8 12.2 18.2



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

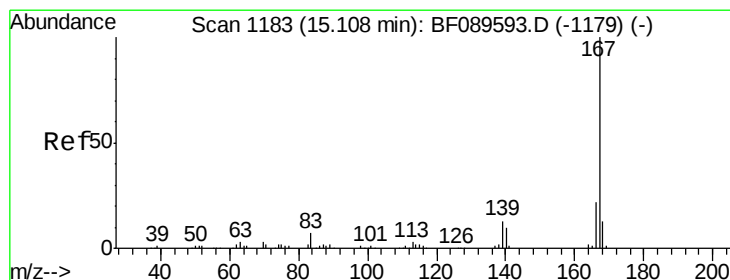
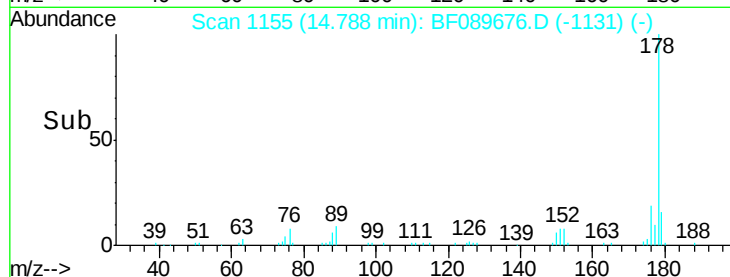
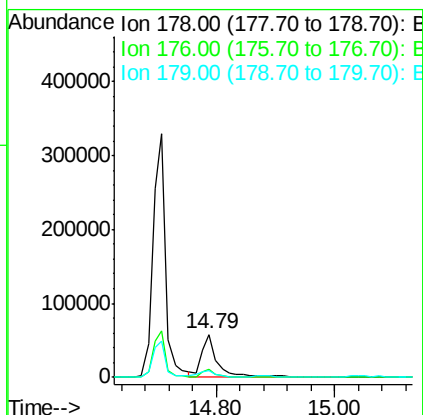
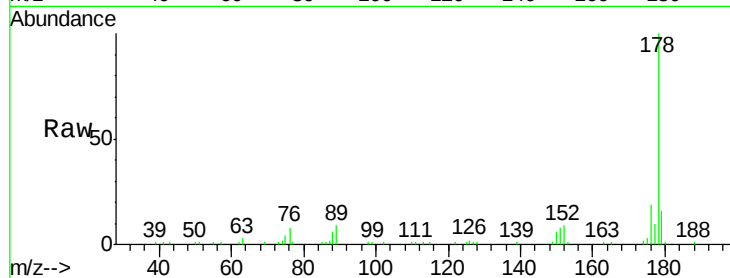




#71
 Anthracene
 Concen: 13.67 ng
 RT: 14.79 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

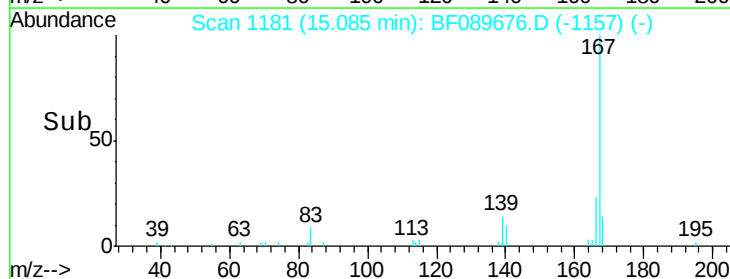
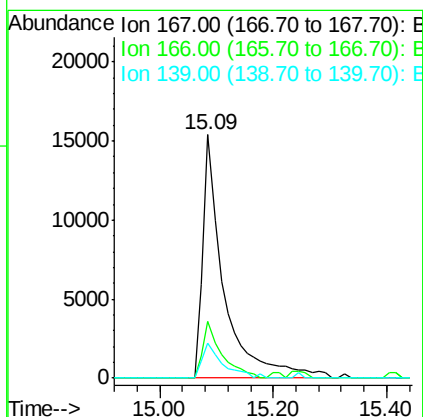
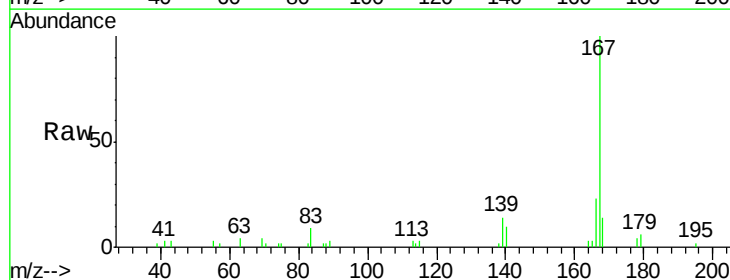
Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

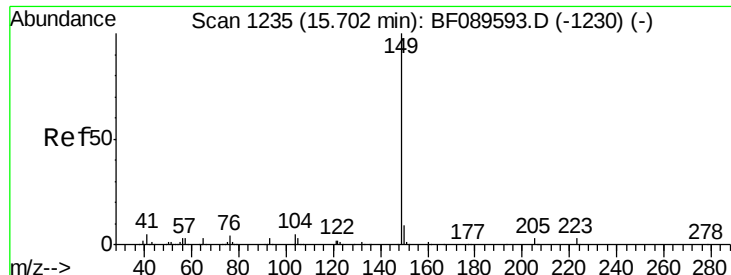
Tgt Ion:178 Resp: 111695
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.4
 179 16.4 12.4 18.6



#72
 Carbazole
 Concen: 5.68 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:167 Resp: 38658
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.5 26.3
 139 14.4 10.4 15.6

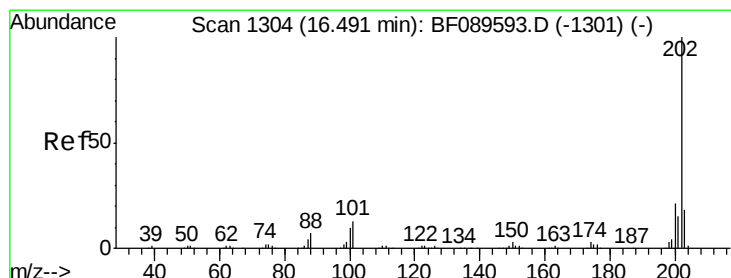
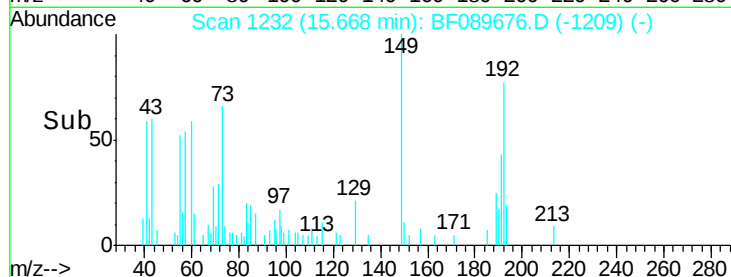
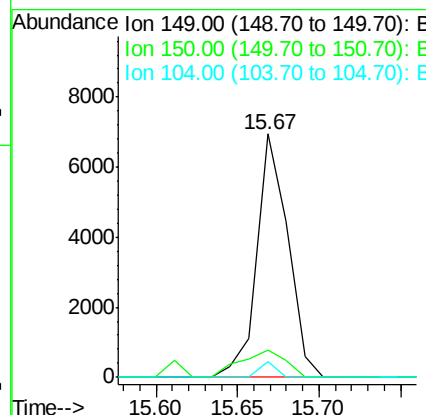
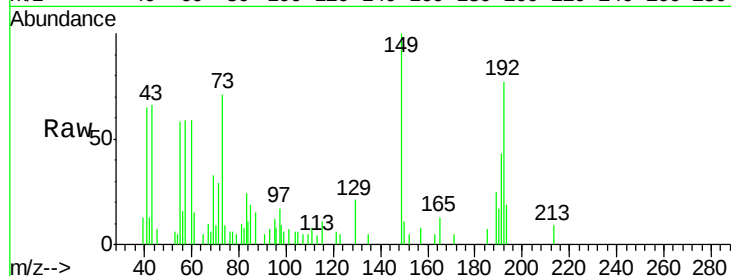




#73
Di-n-butylphthalate
Concen: 1.00 ng
RT: 15.67 min Scan# 1232
Delta R.T. -0.03 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

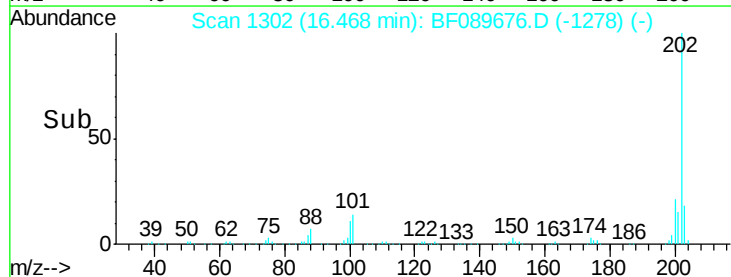
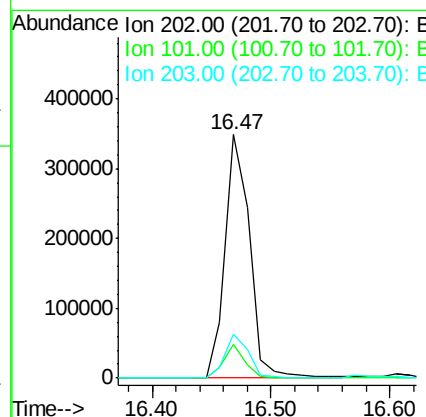
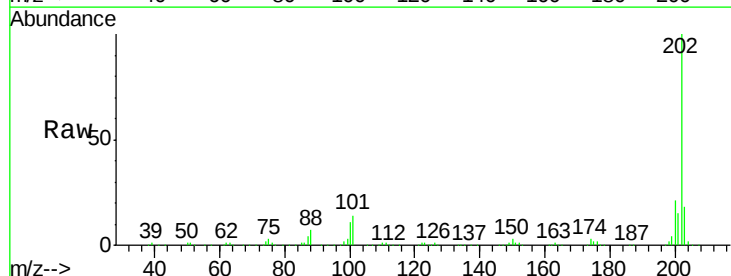
Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

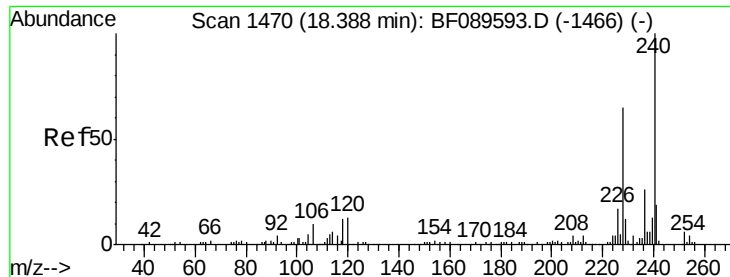
Tgt Ion:149 Resp: 9216
Ion Ratio Lower Upper
149 100
150 11.1 7.2 10.8#
104 6.4 3.8 5.8#



#74
Fluoranthene
Concen: 63.78 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion:202 Resp: 499855
Ion Ratio Lower Upper
202 100
101 13.9 0.0 32.7
203 17.9 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.37 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

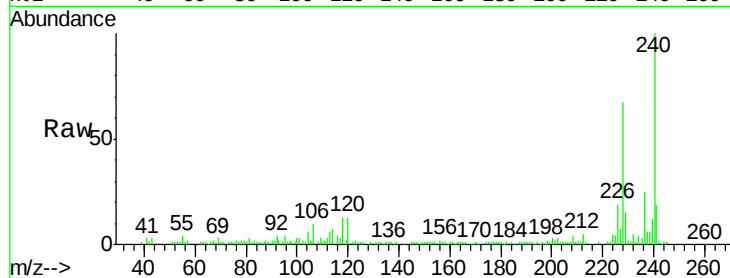
Tgt Ion:240 Resp: 96890

Ion Ratio Lower Upper

240 100

120 12.9 10.6 15.8

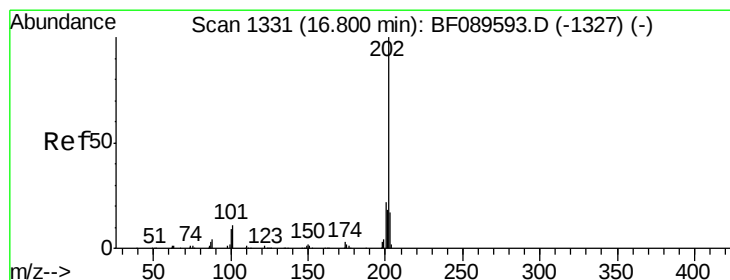
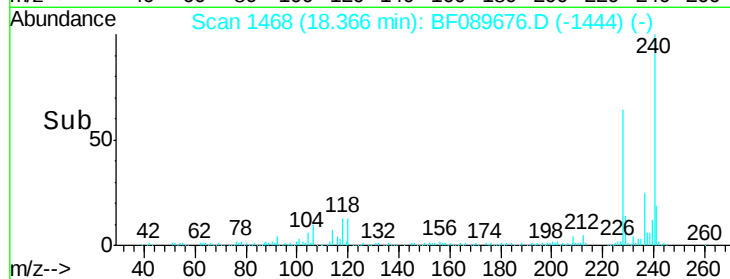
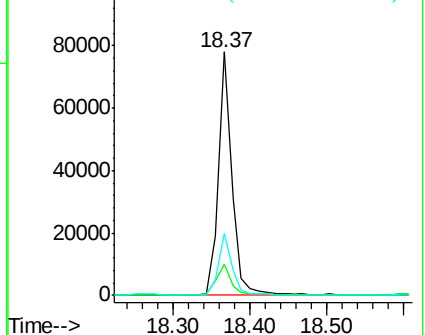
236 25.2 20.6 30.8



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: 47.21 ng

RT: 16.78 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

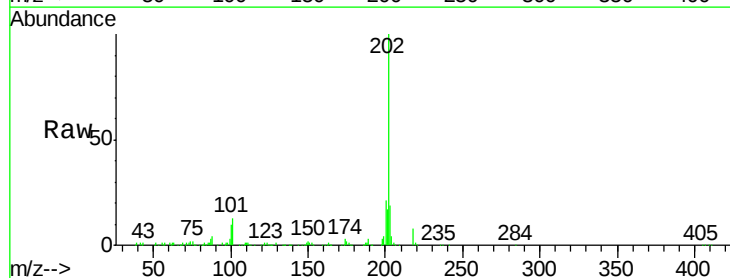
Tgt Ion:202 Resp: 404393

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.0

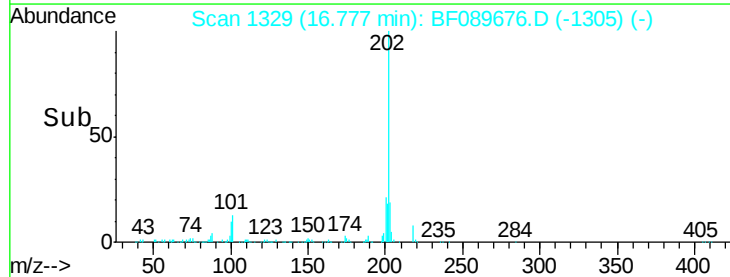
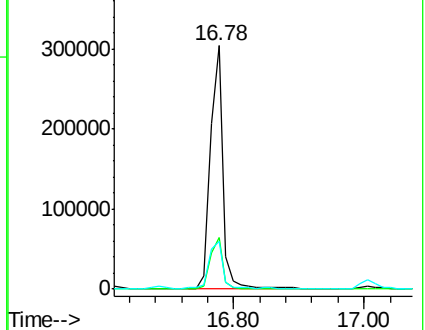
203 19.4 13.6 20.4

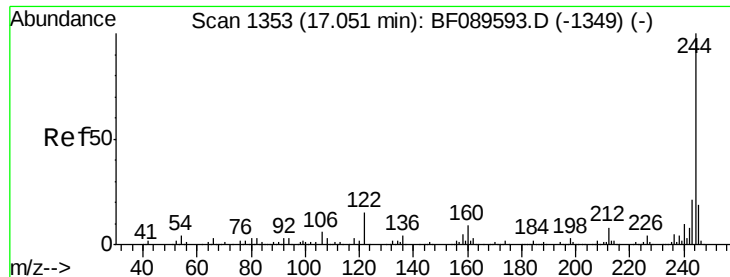


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

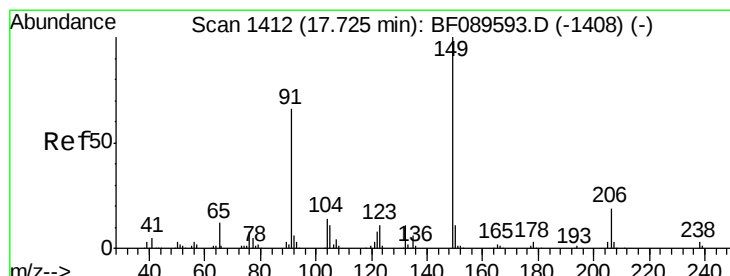
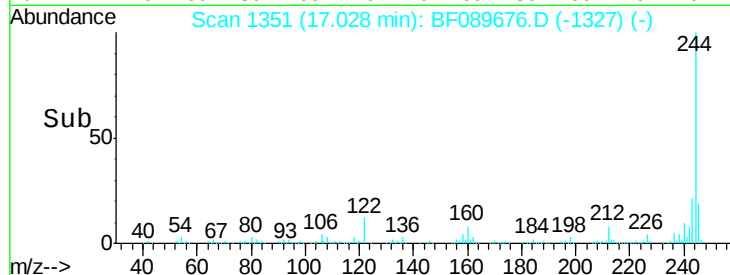
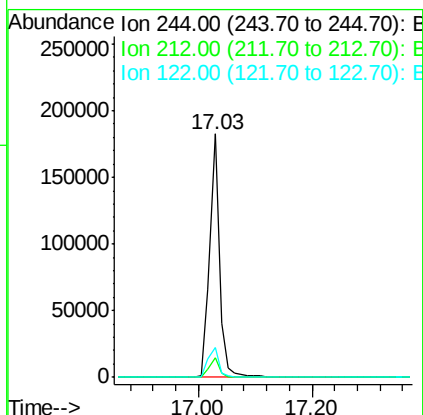
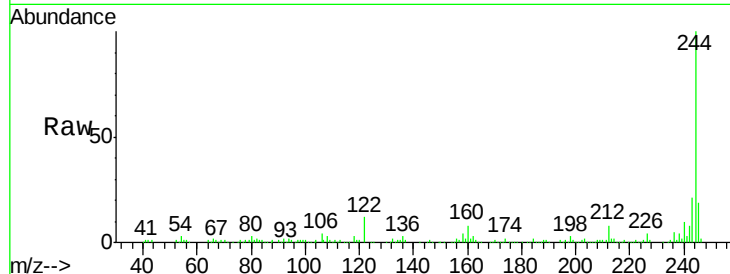




#78
 Terphenyl-d14
 Concen: 43.63 ng
 RT: 17.03 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

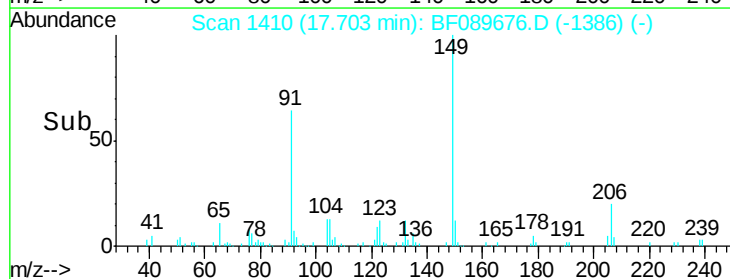
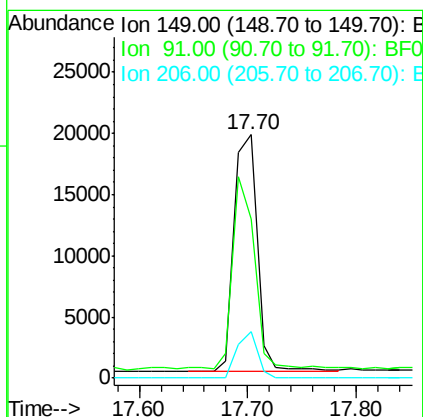
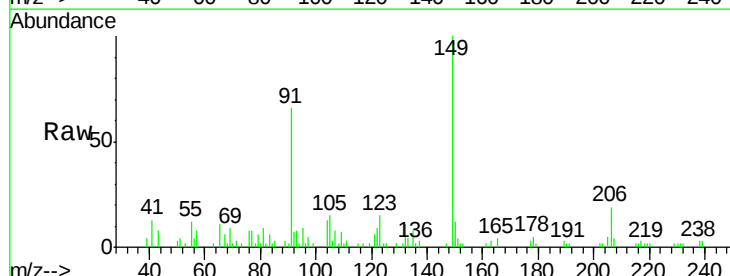
Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

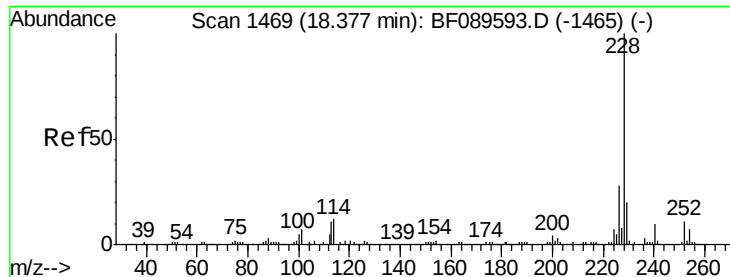
Tgt Ion:244 Resp: 214128
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.4 9.6
 122 12.5 12.2 18.2



#79
 Butylbenzylphthalate
 Concen: 7.78 ng
 RT: 17.70 min Scan# 1410
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:149 Resp: 28348
 Ion Ratio Lower Upper
 149 100
 91 65.6 52.6 78.8
 206 19.3 15.4 23.0





#80

Benzo(a)anthracene

Concen: 32.77 ng

RT: 18.35 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

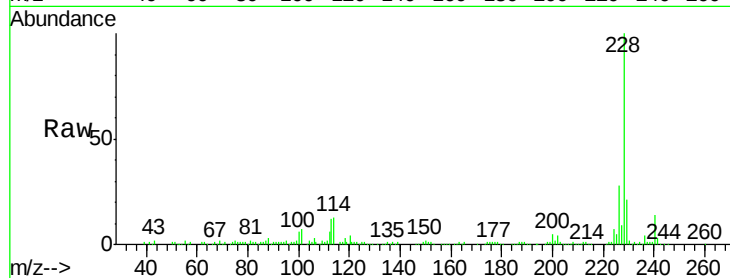
Tgt Ion:228 Resp: 182424

Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

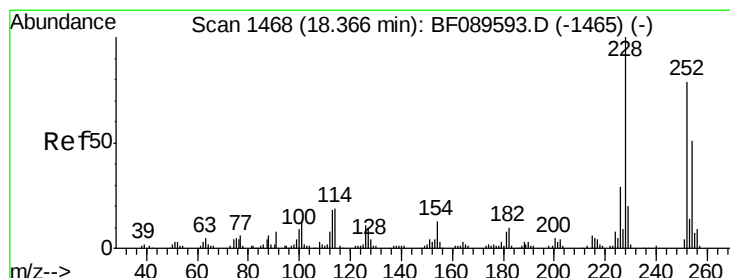
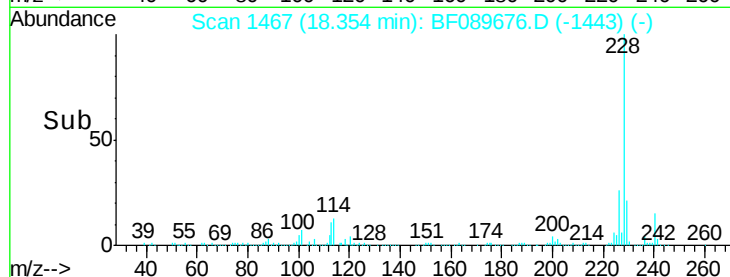
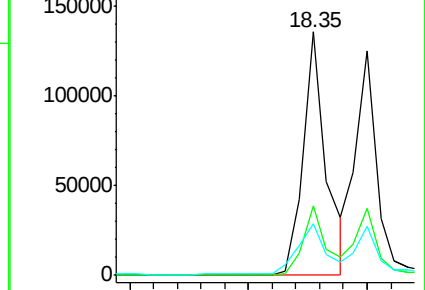
229 21.1 15.9 23.9



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



#81

3,3'-Dichlorobenzidine

Concen: 0.92 ng

RT: 18.43 min Scan# 1474

Delta R.T. 0.07 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

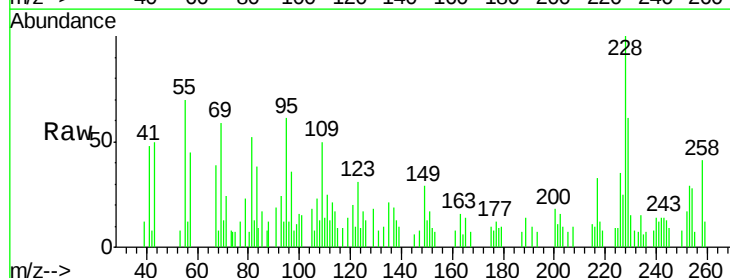
Tgt Ion:252 Resp: 1605

Ion Ratio Lower Upper

252 100

254 157.9 51.7 77.5#

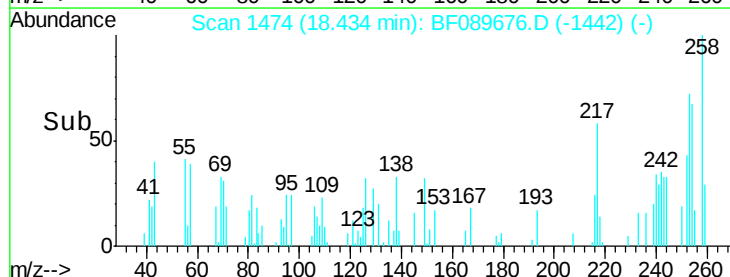
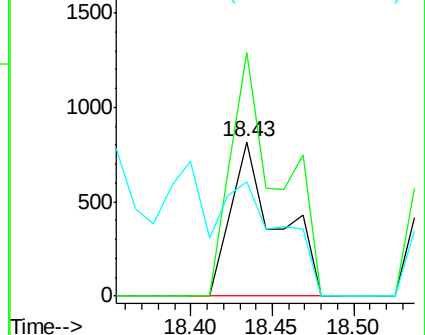
126 74.3 11.0 16.4#

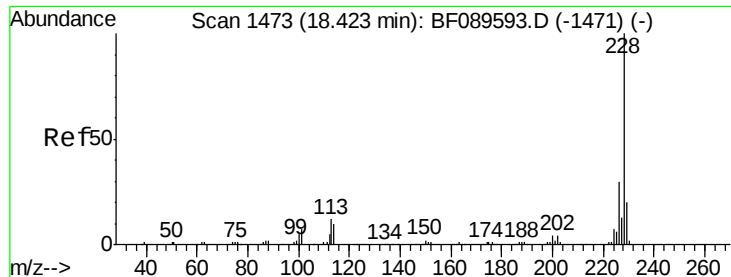


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 27.01 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

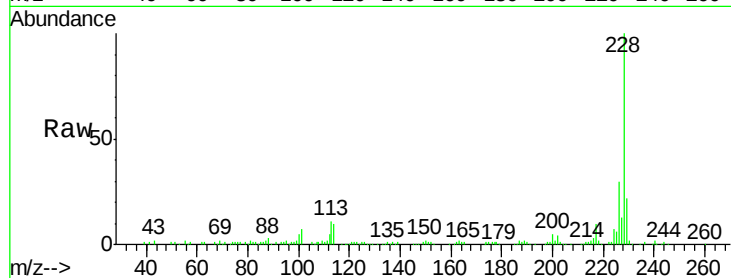
Tgt Ion:228 Resp: 157757

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

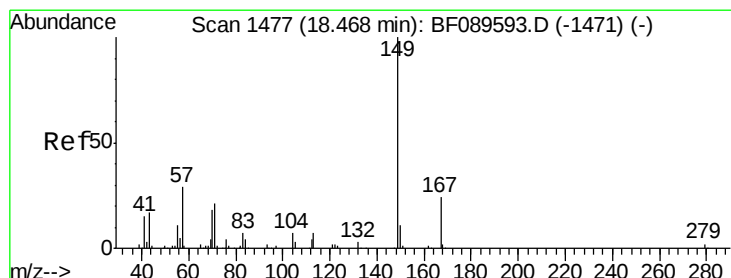
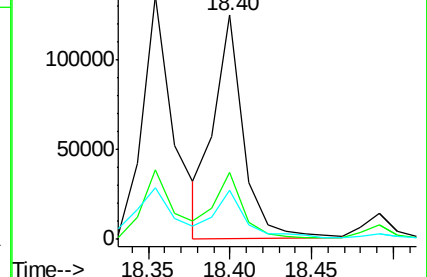
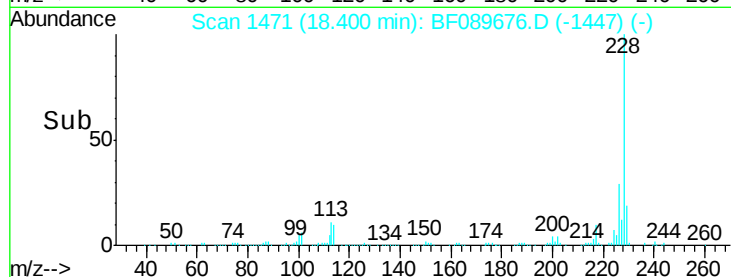
229 21.6 16.0 24.0



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: 1.45 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

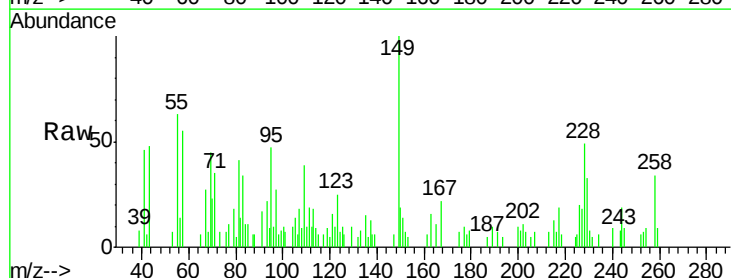
Tgt Ion:149 Resp: 7339

Ion Ratio Lower Upper

149 100

167 22.0 19.0 28.4

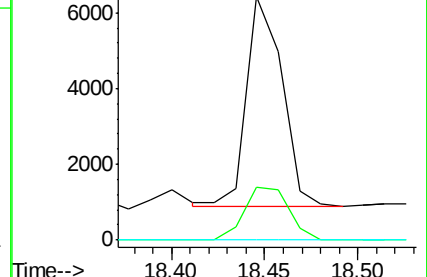
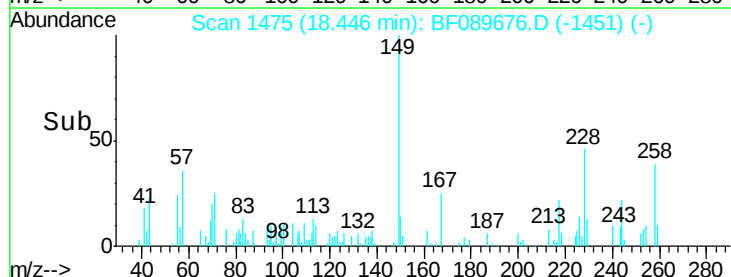
279 0.0 1.8 2.6#

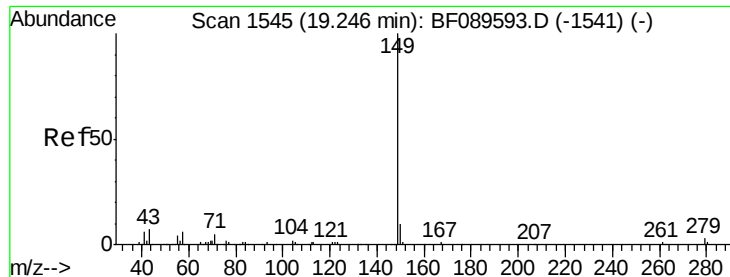


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.19 ng

RT: 19.22 min Scan# 1543

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

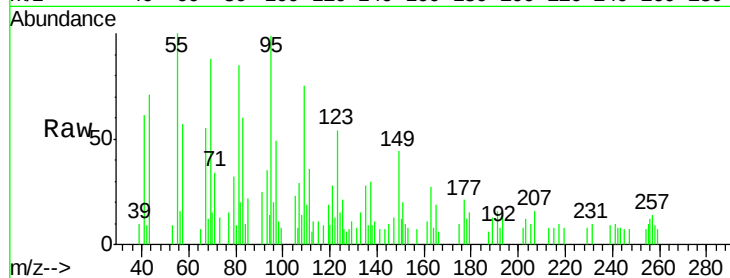
Tgt Ion:149 Resp: 1344

Ion Ratio Lower Upper

149 100

167 51.1 1.1 1.7#

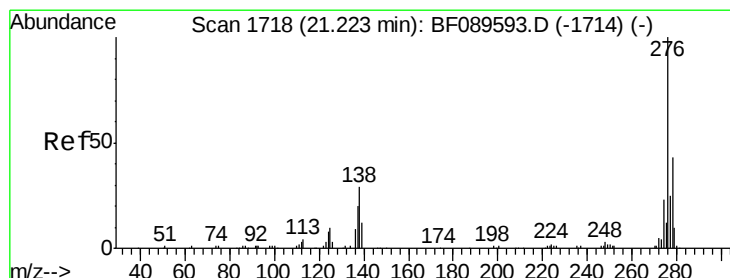
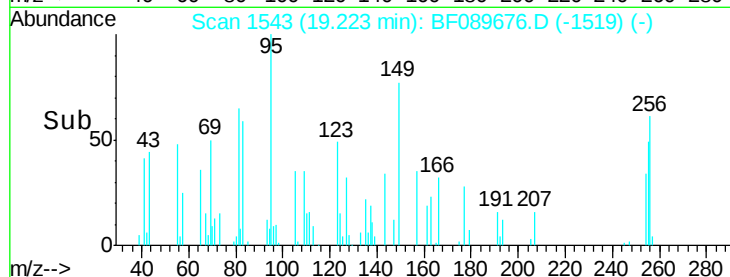
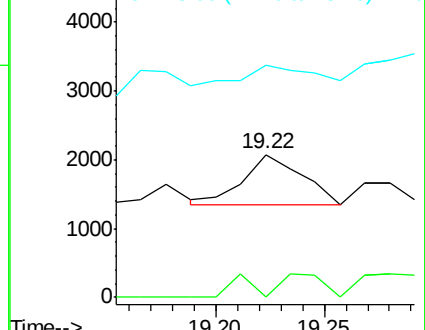
43 26.0 7.0 10.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 21.53 ng

RT: 21.20 min Scan# 1716

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

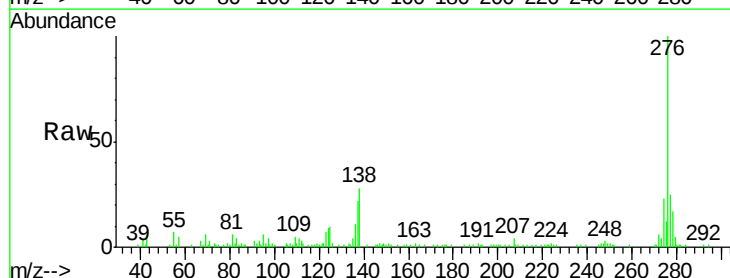
Tgt Ion:276 Resp: 95485

Ion Ratio Lower Upper

276 100

138 23.4 23.8 35.8#

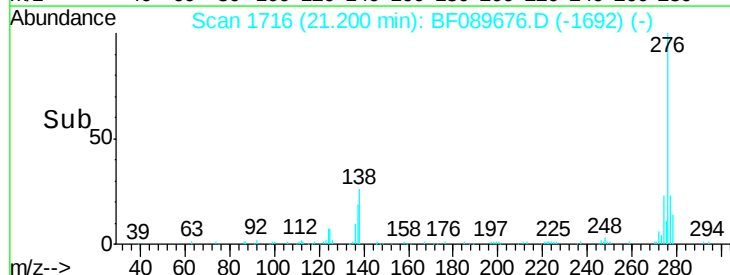
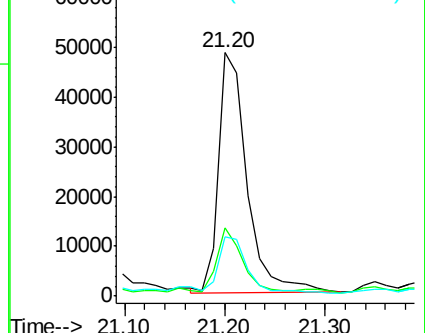
277 25.9 20.3 30.5

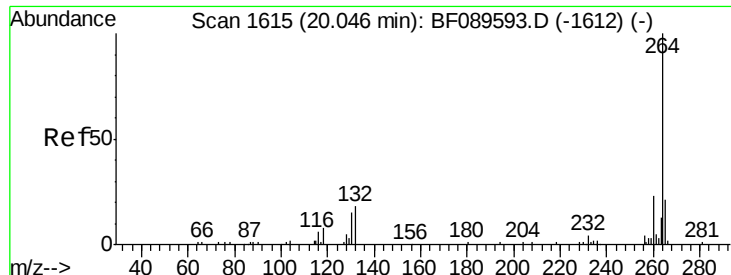


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

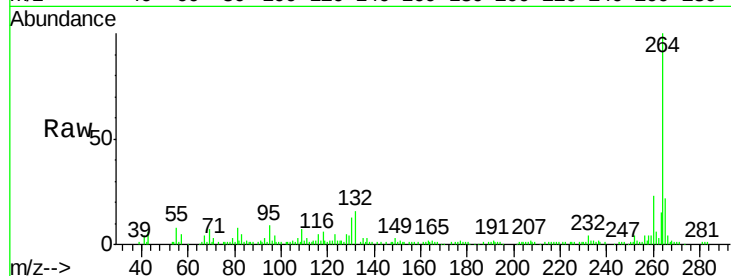




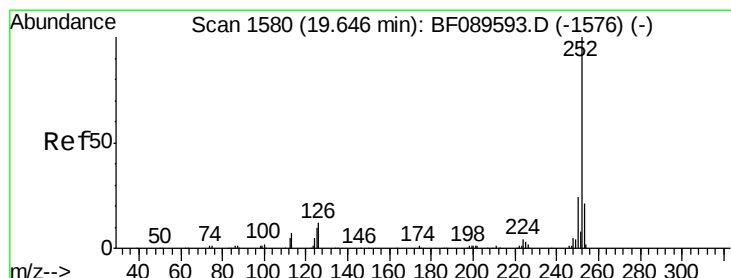
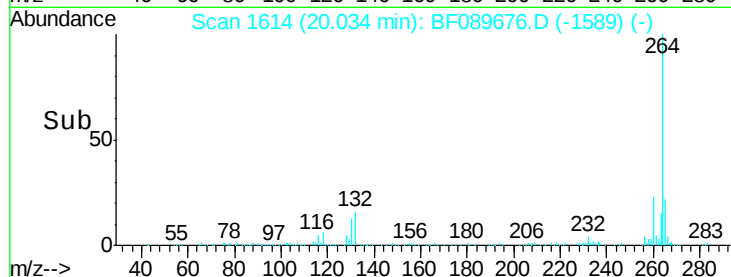
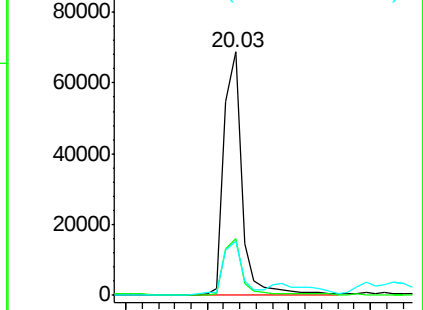
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.03 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion: 264 Resp: 106142
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 22.0 16.5 24.7

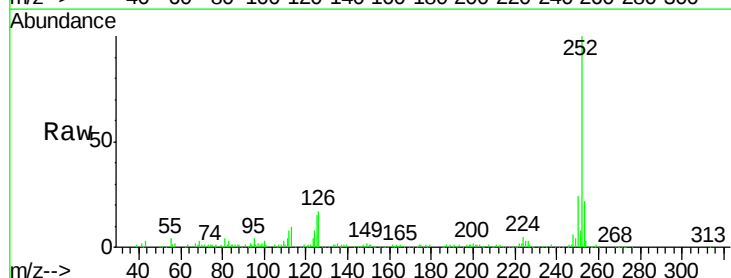


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

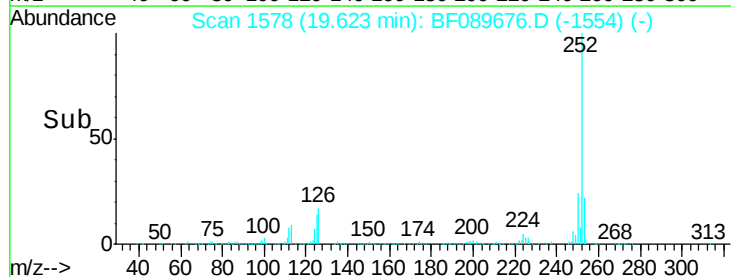
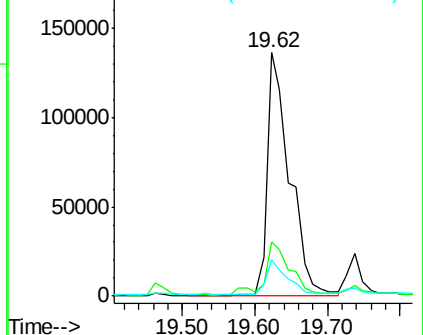


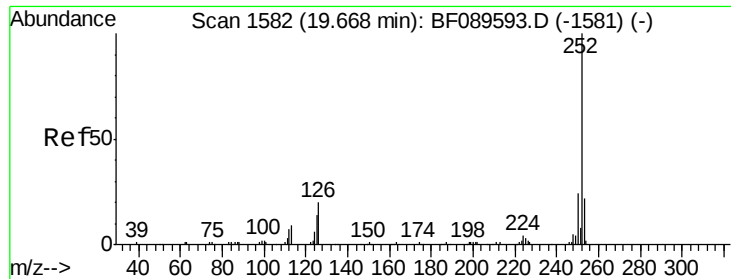
#87
 Benzo(b)fluoranthene
 Concen: 45.28 ng
 RT: 19.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion: 252 Resp: 295583
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.1 25.7
 125 14.9 7.8 11.8#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 44.88 ng

RT: 19.62 min Scan# 1578

Delta R.T. -0.05 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

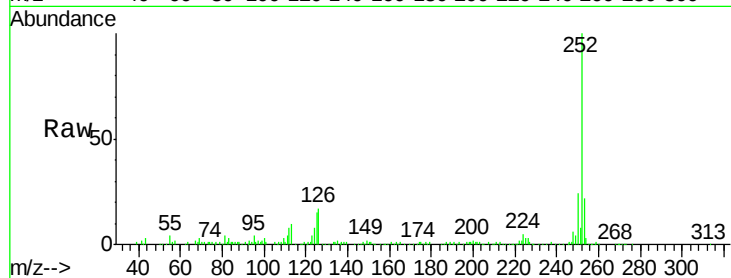
Tgt Ion:252 Resp: 295583

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

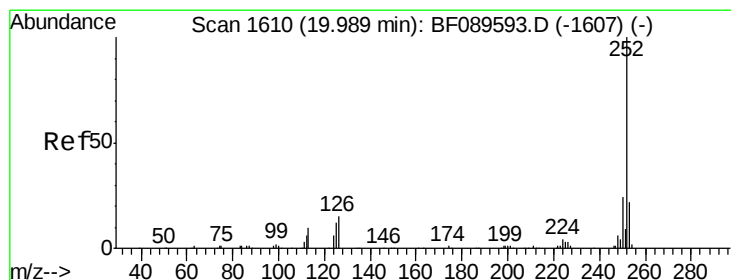
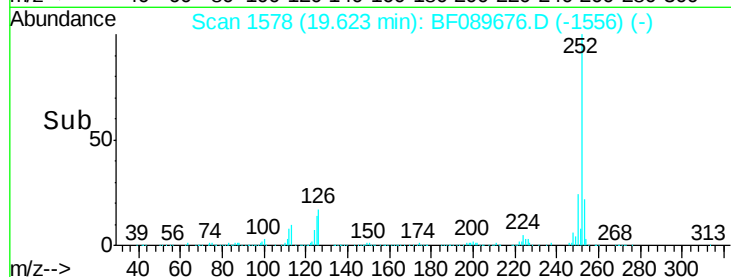
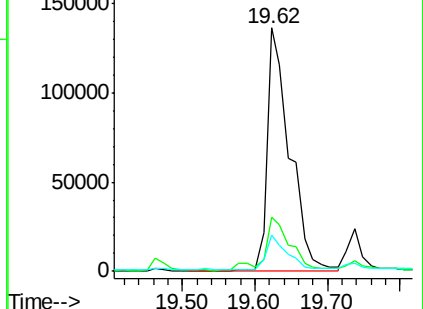
125 14.9 11.0 16.6



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: 25.34 ng

RT: 19.98 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

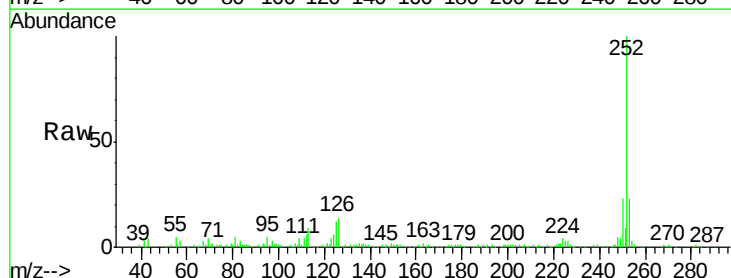
Tgt Ion:252 Resp: 154871

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

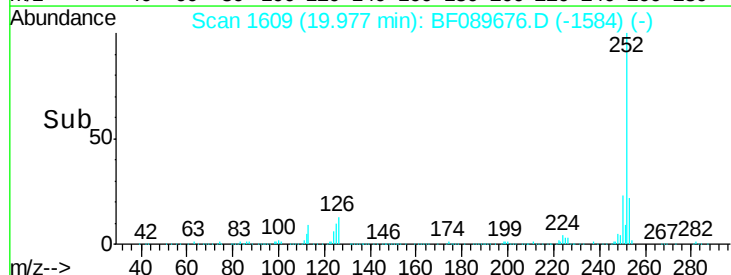
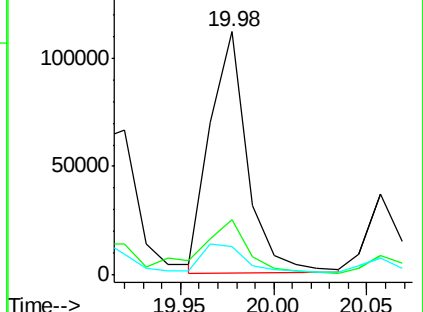
125 11.6 9.9 14.9

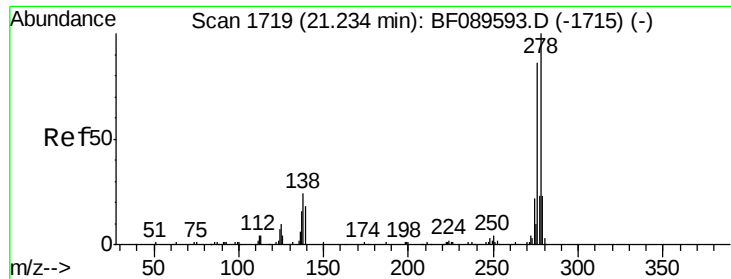


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.87 ng

RT: 21.35 min Scan# 1729

Delta R.T. 0.11 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

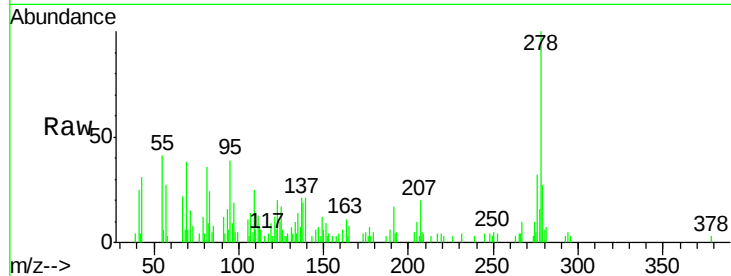
Tgt Ion:278 Resp: 16383

Ion Ratio Lower Upper

278 100

139 20.9 14.6 21.8

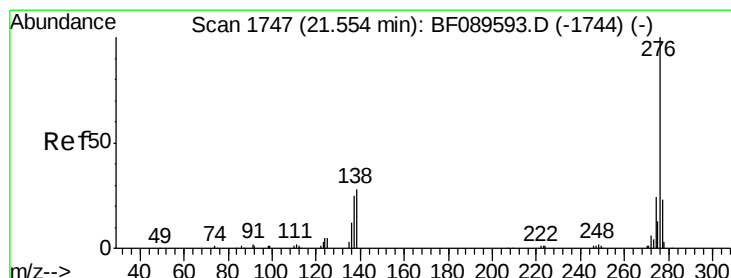
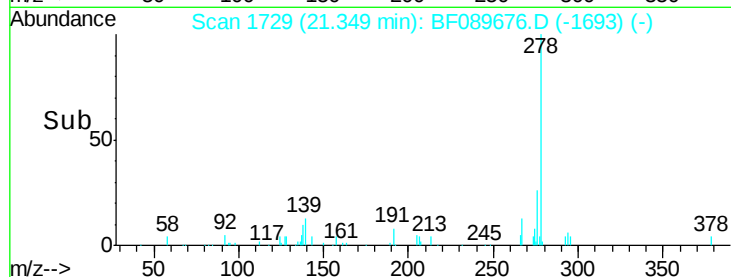
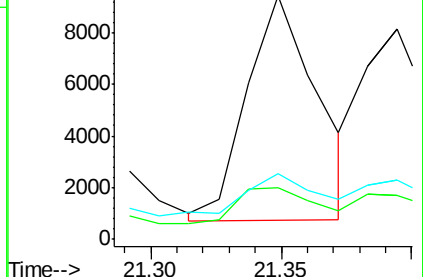
279 26.9 18.4 27.6



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: 14.57 ng

RT: 21.54 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

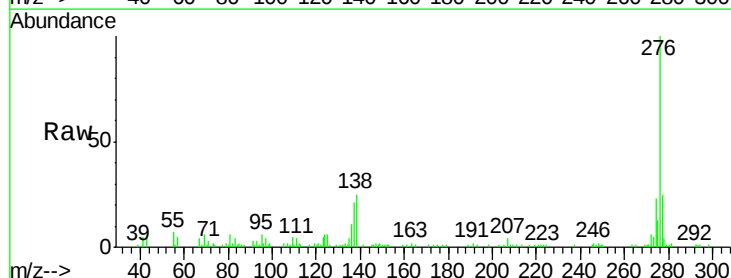
Tgt Ion:276 Resp: 85155

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 24.6 22.6 33.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

