

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089669.D
 Acq On : 8 Aug 2016 19:34
 Operator : UM/SJ
 Sample : H4367-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D1-1

Quant Time: Aug 09 02:31:18 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	45125	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	188313	20.00	ng	-0.02
38) Acenaphthene-d10	12.27	164	84650	20.00	ng	-0.02
63) Phenanthrene-d10	14.66	188	136948	20.00	ng	-0.03
75) Chrysene-d12	18.39	240	85959	20.00	ng	0.00
86) Perylene-d12	20.06	264	84857	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	371334	137.92	ng	0.00
7) Phenol-d6	6.96	99	481592	131.86	ng	-0.02
23) Nitrobenzene-d5	8.33	82	296973	87.23	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	87175	124.79	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	541086	83.07	ng	-0.02
78) Terphenyl-d14	17.04	244	314150	72.15	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	1.72	88	449	0.29	ng	# 28
6) Aniline	7.07	93	278	0.06	ng	# 1
9) Benzaldehyde	6.73	77	2701	2.04	ng	# 1
10) Phenol	6.98	94	8233	2.20	ng	# 35
11) bis(2-Chloroethyl)ether	7.07	93	278	0.09	ng	# 1
15) Benzyl Alcohol	7.75	79	219	0.09	ng	# 16
17) 2-Methylphenol	7.96	107	2766	1.16	ng	# 1
18) Hexachloroethane	8.23	117	4184	2.77	ng	# 1
19) n-Nitroso-di-n-propylamine	8.11	70	1693	0.64	ng	# 31
20) 3+4-Methylphenols	7.96	107	2766	0.92	ng	# 1
22) Acetophenone	8.07	105	9046	2.02	ng	# 63
24) Nitrobenzene	8.31	77	6266	1.94	ng	# 18
25) Isophorone	8.73	82	706	0.11	ng	# 15
28) bis(2-Chloroethoxy)methane	9.32	93	307	0.08	ng	# 1
29) 2,4-Dichlorophenol	9.45	162	962	0.38	ng	# 36
31) Naphthalene	9.48	128	53286	5.32	ng	# 98
33) 4-Chloroaniline	9.55	127	1306	0.35	ng	# 1
35) Caprolactam	10.26	113	958	1.30	ng	# 36
37) 2-Methylnaphthalene	10.60	142	57775	9.39	ng	# 100
45) 1,1'-Biphenyl	11.39	154	2101	0.28	ng	# 77
47) 2-Nitroaniline	11.65	65	211	0.11	ng	# 8
48) Acenaphthylene	12.06	152	1011	0.11	ng	# 1
49) Dimethylphthalate	11.92	163	101332	15.27	ng	# 99
50) 2,6-Dinitrotoluene	11.92	165	1311	0.99	ng	# 1
51) Acenaphthene	12.32	154	890	0.16	ng	# 84
54) Dibenzofuran	12.63	168	544	0.07	ng	# 1
55) 4-Nitrophenol	12.64	139	1168	7.65	ng	# 45
56) 2,4-Dinitrotoluene	12.70	165	836	0.45	ng	# 36
57) Fluorene	13.17	166	4143	0.65	ng	# 76
59) Diethylphthalate	13.06	149	503	0.07	ng	# 60
62) Azobenzene	13.44	77	473	0.07	ng	# 1
65) n-Nitrosodiphenylamine	13.38	169	5827	1.26	ng	# 66
70) Phenanthrene	14.71	178	14071	1.89	ng	# 91
71) Anthracene	14.80	178	2058	0.26	ng	# 30

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

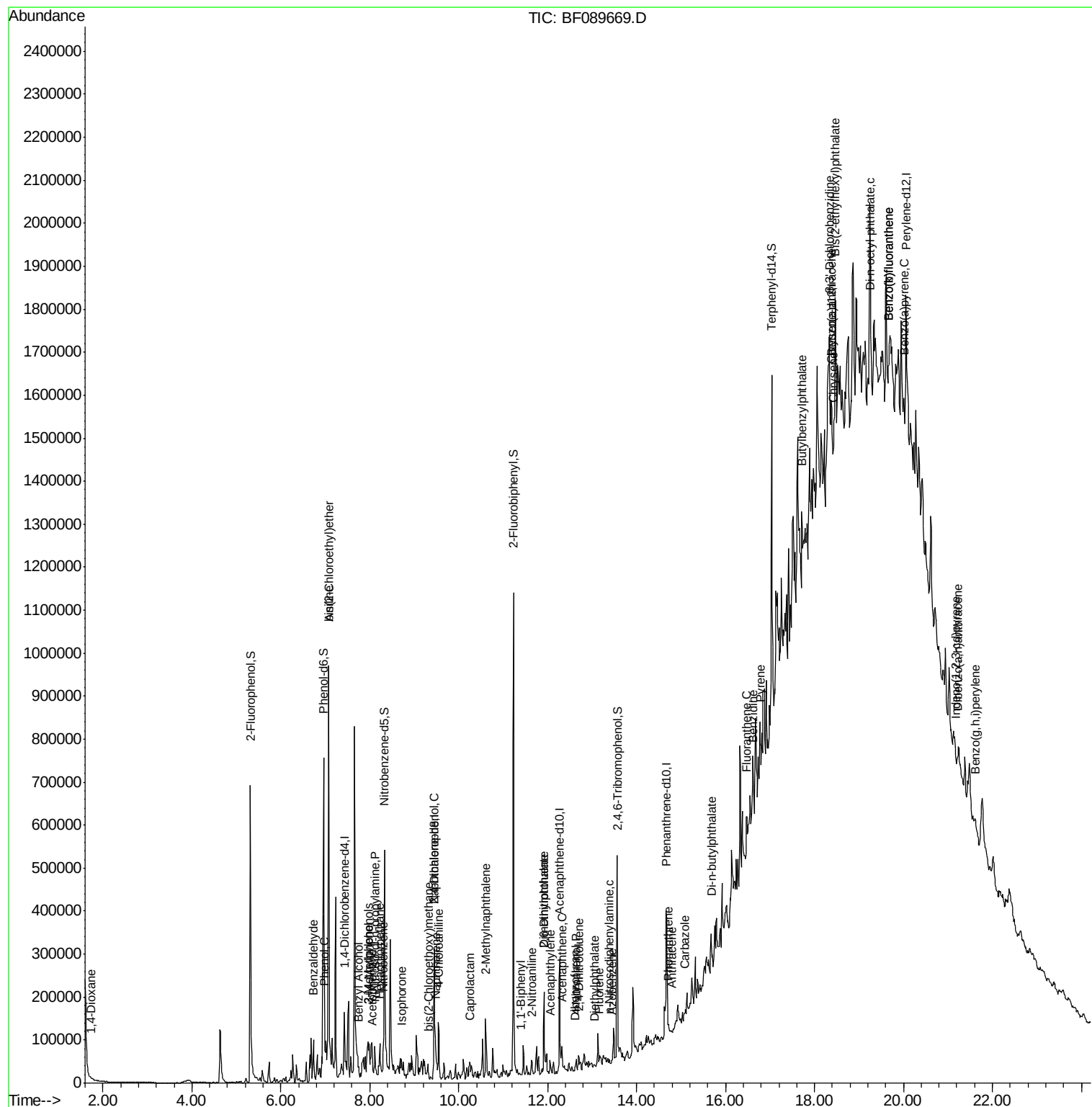
72) Carbazole	15.09	167	193	0.03	ng	# 1
73) Di-n-butylphthalate	15.68	149	4997	0.56	ng	# 61
74) Fluoranthene	16.48	202	3738	0.49	ng	# 59
76) Benzidine	16.63	184	1588	0.61	ng	# 1
77) Pyrene	16.79	202	9301	1.22	ng	# 72
79) Butylbenzylphthalate	17.71	149	848	0.26	ng	# 23
80) Benzo(a)anthracene	18.38	228	6023	1.22	ng	# 60
81) 3,3'-Dichlorobenzidine	18.33	252	1260	0.81	ng	# 1
82) Chrysene	18.42	228	2205	0.43	ng	# 3
83) Bis(2-ethylhexyl)phthalate	18.47	149	19094	4.26	ng	# 77
84) Di-n-octyl phthalate	19.25	149	2107	0.33	ng	# 1
85) Indeno(1,2,3-cd)pyrene	21.19	276	226	0.06	ng	# 28
87) Benzo(b)fluoranthene	19.67	252	3443	0.66	ng	# 1
88) Benzo(k)fluoranthene	19.67	252	3443	0.65	ng	# 1
89) Benzo(a)pyrene	20.01	252	1212	0.25	ng	# 1
90) Dibenzo(a,h)anthracene	21.22	278	714	0.16	ng	# 1
91) Benzo(g,h,i)perylene	21.61	276	4542	0.97	ng	# 1

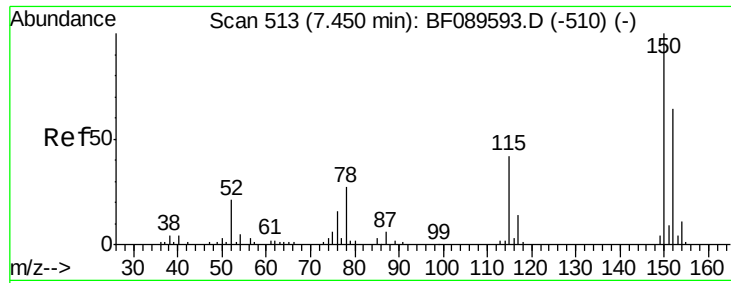
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

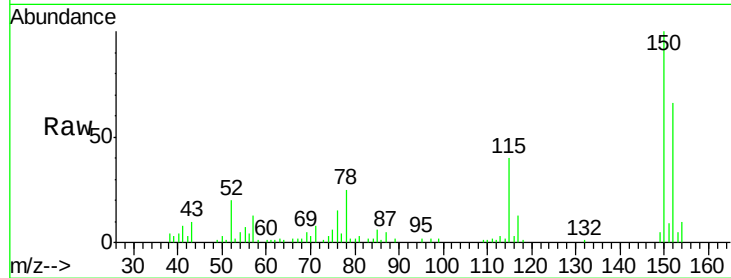
Tgt Ion:152 Resp: 45125

Ion Ratio Lower Upper

152 100

150 152.7 125.5 188.3

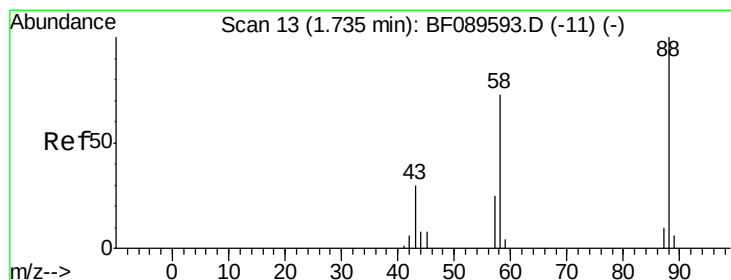
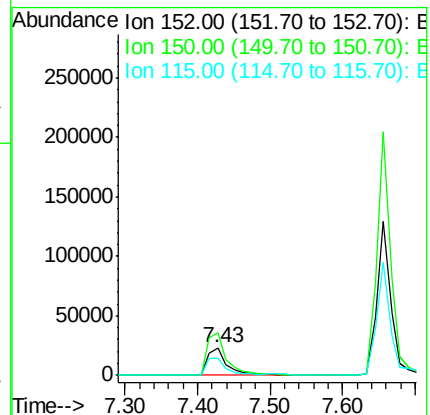
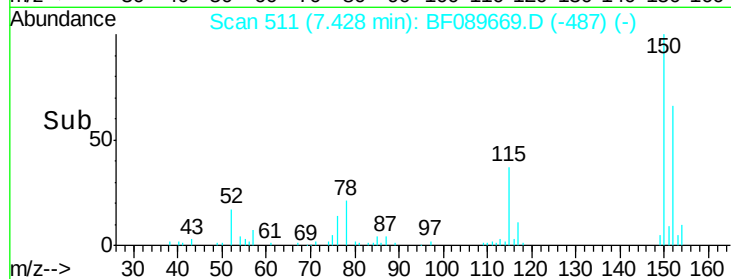
115 61.1 52.0 78.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.29 ng

RT: 1.72 min Scan# 12

Delta R.T. -0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

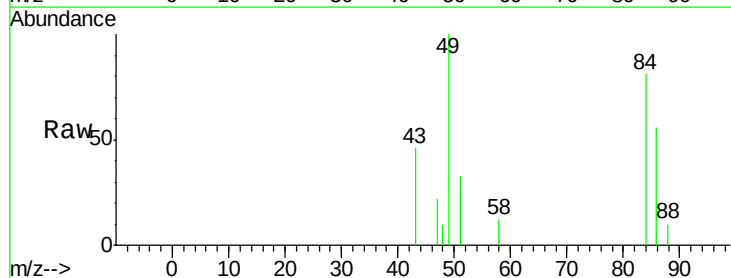
Tgt Ion: 88 Resp: 449

Ion Ratio Lower Upper

88 100

58 0.0 49.8 74.8#

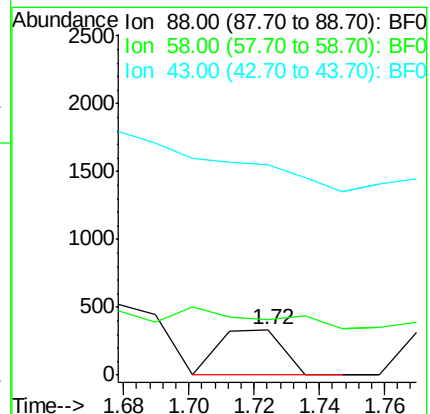
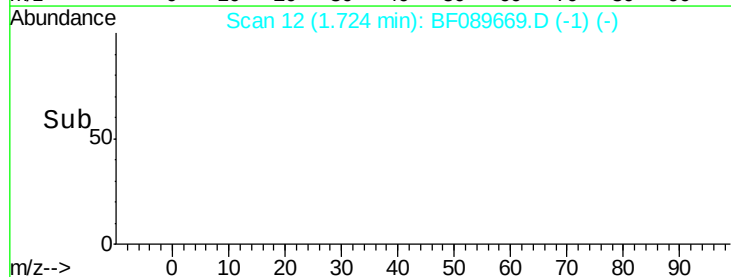
43 0.0 20.1 30.1#

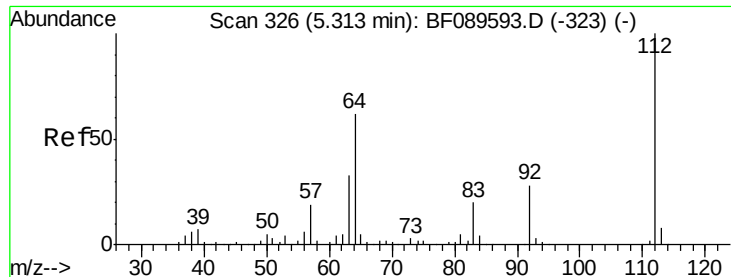


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 137.92 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampled :

D1-1

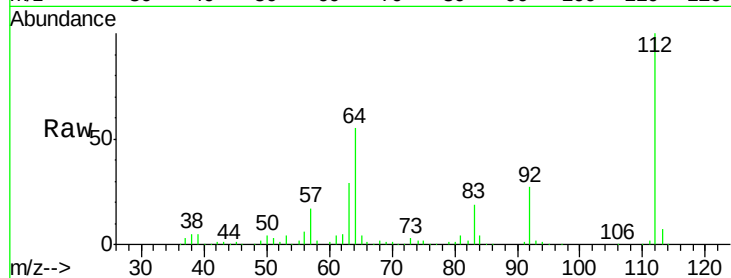
Tgt Ion:112 Resp: 371334

Ion Ratio Lower Upper

112 100

64 54.9 49.9 74.9

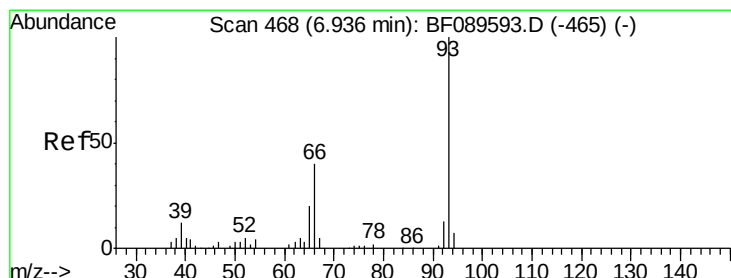
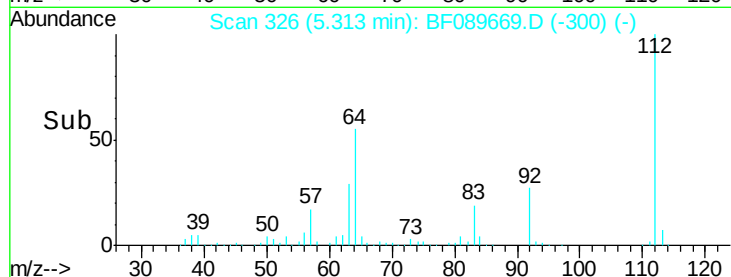
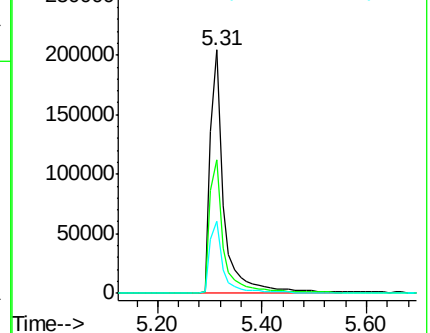
63 29.4 26.1 39.1



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



#6

Aniline

Concen: 0.06 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

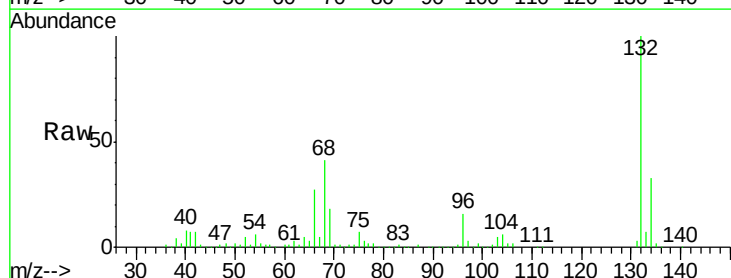
Tgt Ion: 93 Resp: 278

Ion Ratio Lower Upper

93 100

66 17758.0 32.2 48.2#

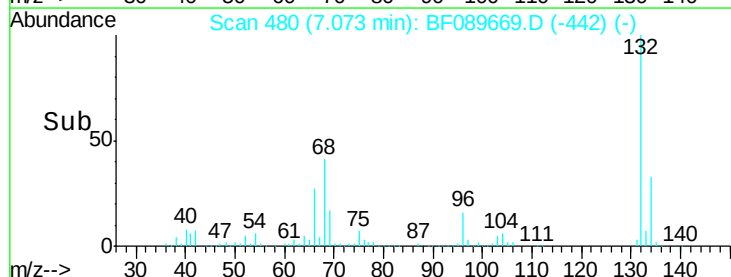
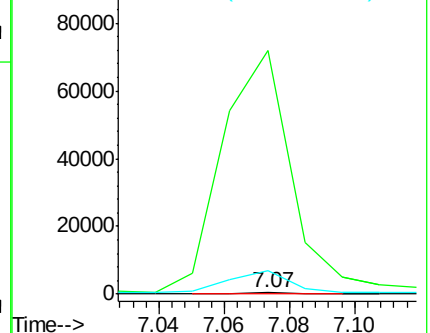
65 1676.3 15.8 23.8#

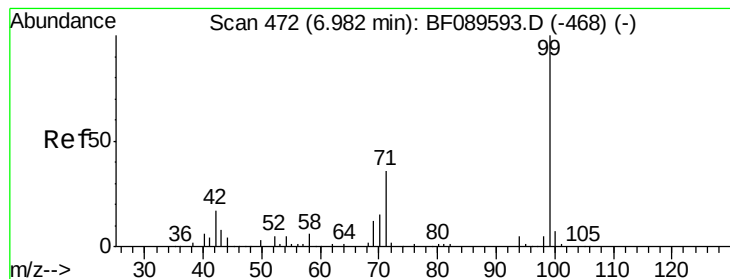


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 131.86 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

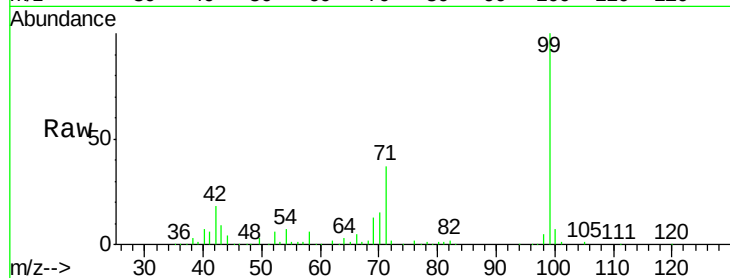
Tgt Ion: 99 Resp: 481592

Ion Ratio Lower Upper

99 100

42 17.6 13.7 20.5

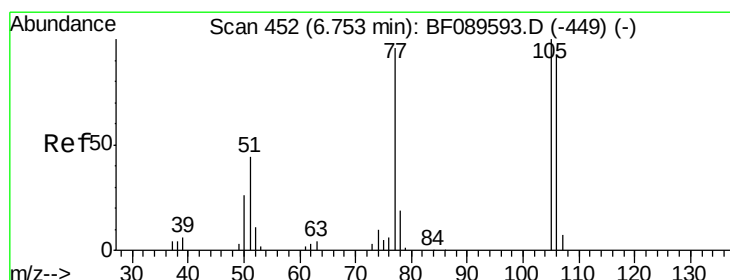
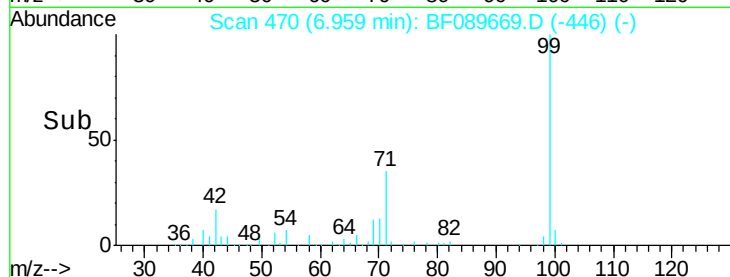
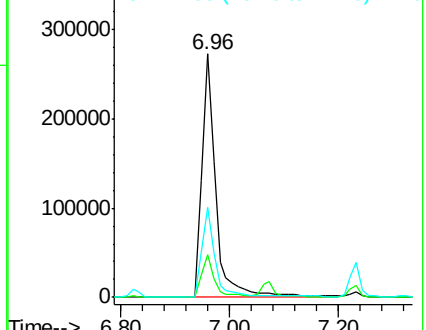
71 37.0 29.0 43.4



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: 2.04 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

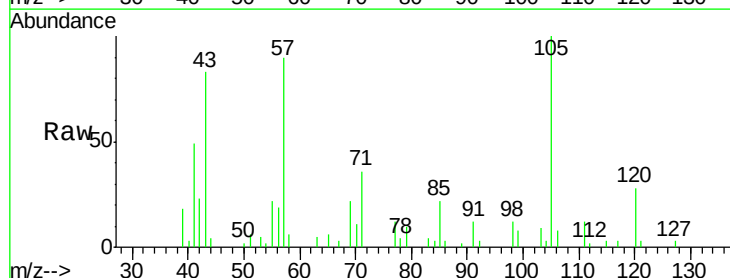
Tgt Ion: 77 Resp: 2701

Ion Ratio Lower Upper

77 100

105 828.0 84.7 124.7#

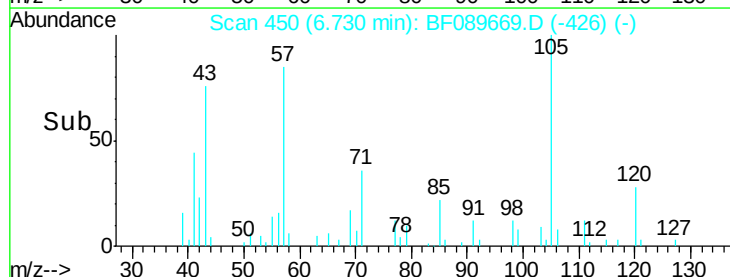
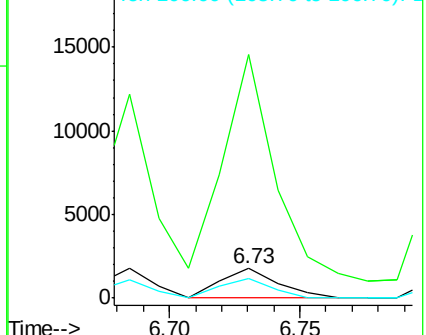
106 67.9 77.1 117.1#

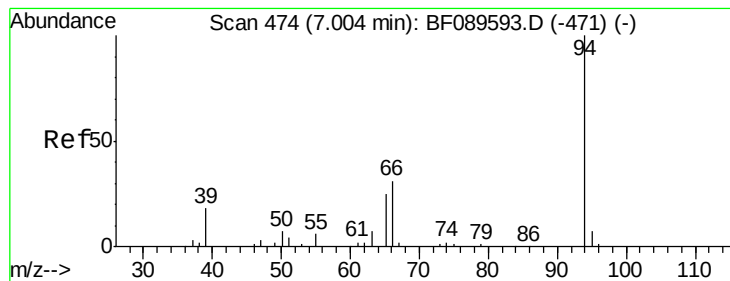


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.20 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampled :

D1-1

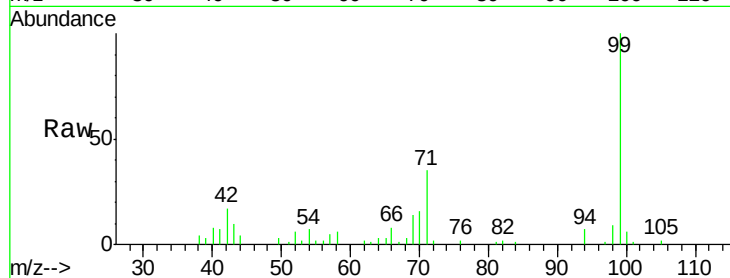
Tgt Ion: 94 Resp: 8233

Ion Ratio Lower Upper

94 100

65 43.7 11.0 51.0

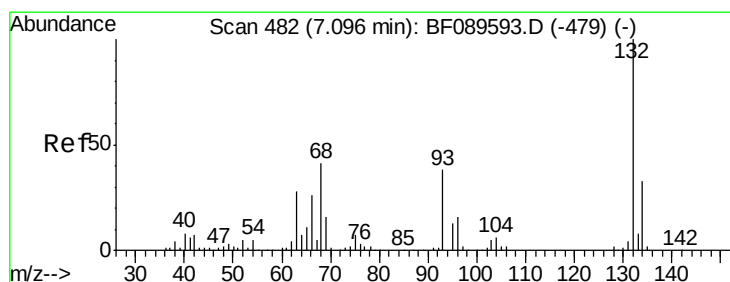
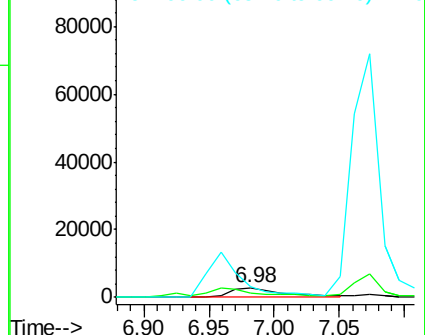
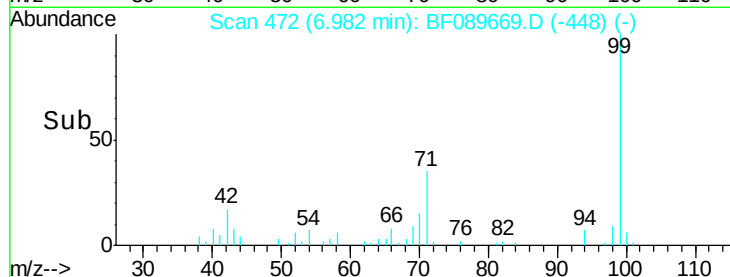
66 109.4 27.4 67.4#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

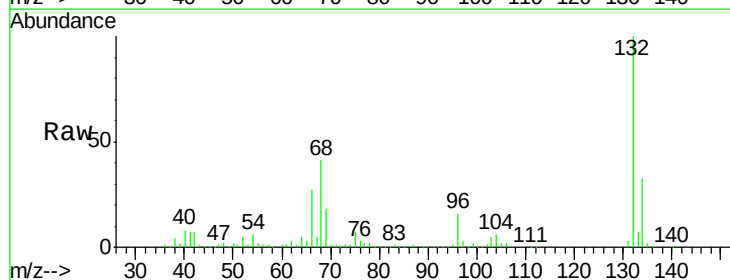
Tgt Ion: 93 Resp: 278

Ion Ratio Lower Upper

93 100

63 689.1 52.2 92.2#

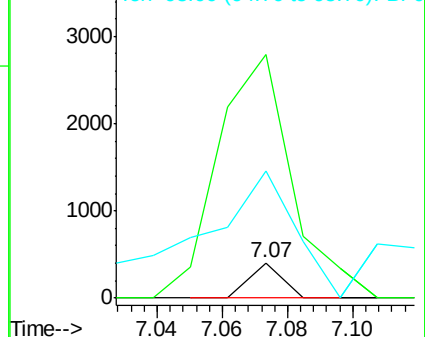
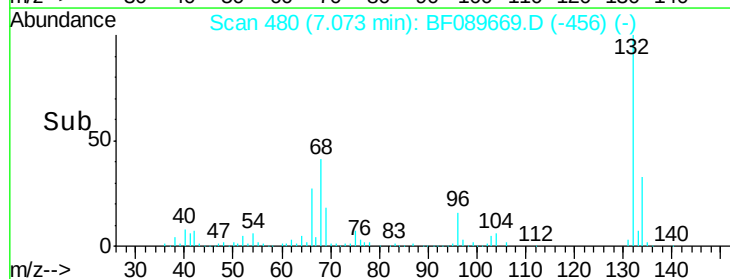
95 359.3 13.1 53.1#

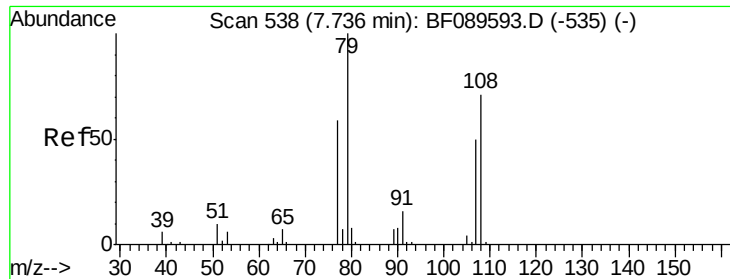


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 0.09 ng

RT: 7.75 min Scan# 539

Delta R.T. 0.01 min

Lab File: BF089669.D

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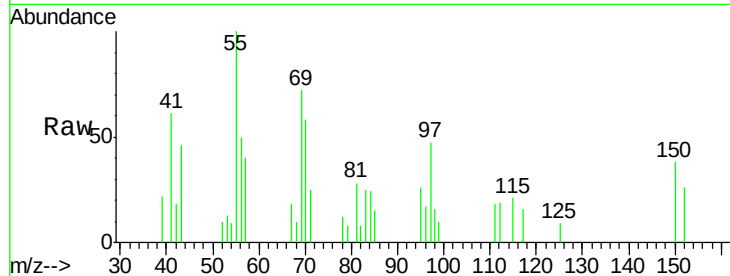
Tgt Ion: 79 Resp: 219

Ion Ratio Lower Upper

79 100

108 0.0 58.3 87.5#

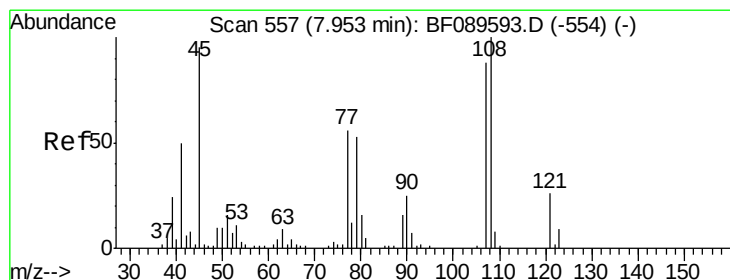
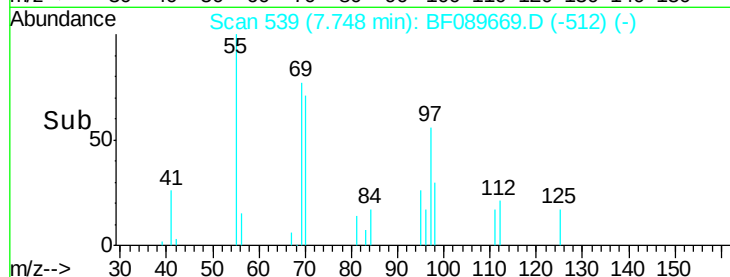
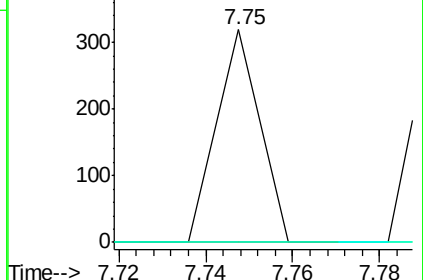
77 0.0 48.7 73.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 1.16 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Tgt Ion: 107 Resp: 2766

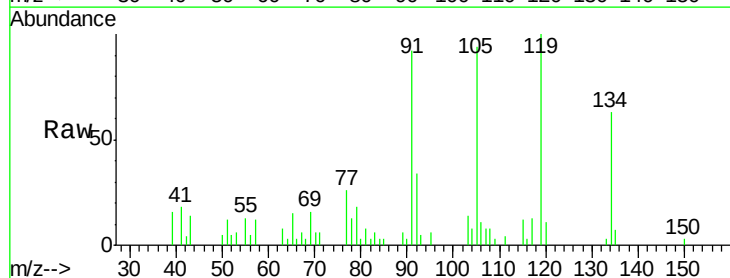
Ion Ratio Lower Upper

107 100

108 102.5 91.2 136.8

77 322.8 54.6 82.0#

79 213.7 52.7 79.1#

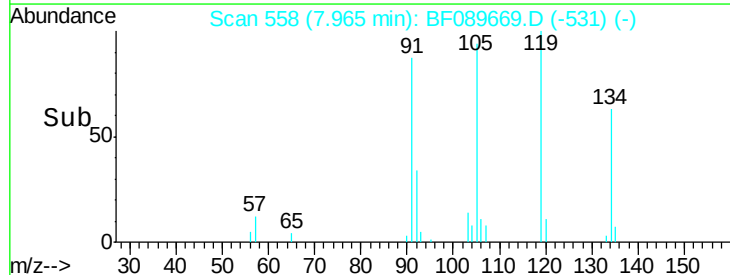
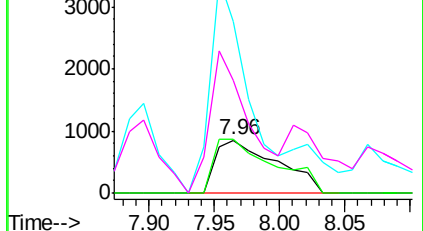


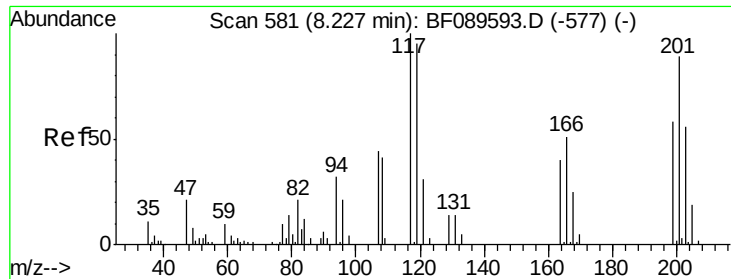
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

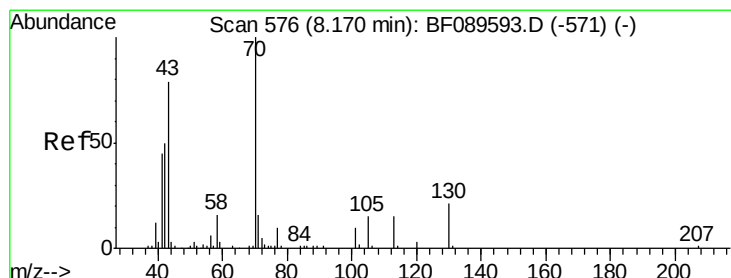
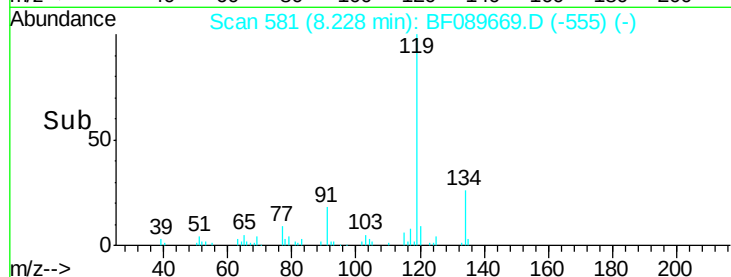
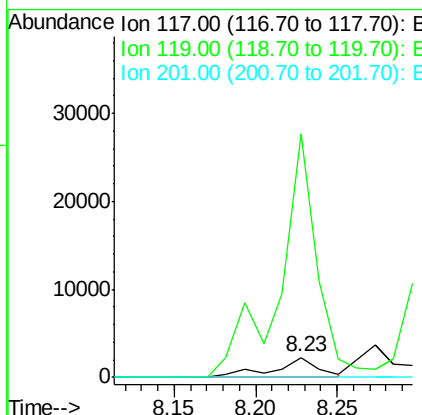
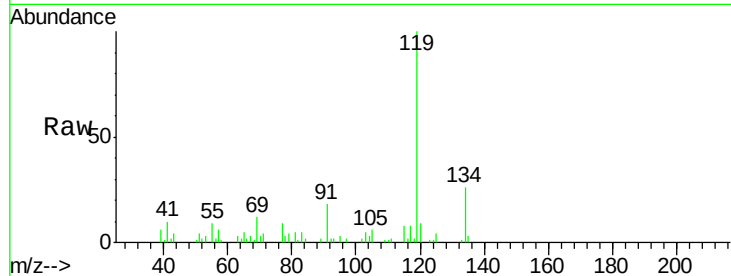




#18
Hexachloroethane
Concen: 2.77 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

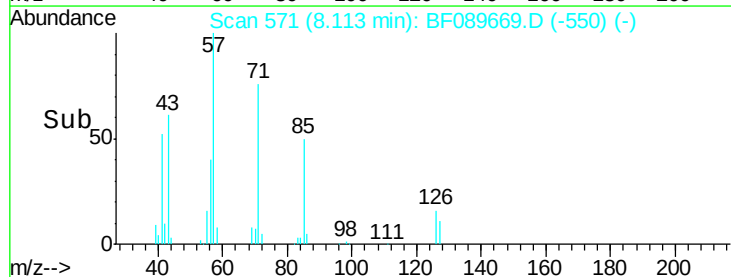
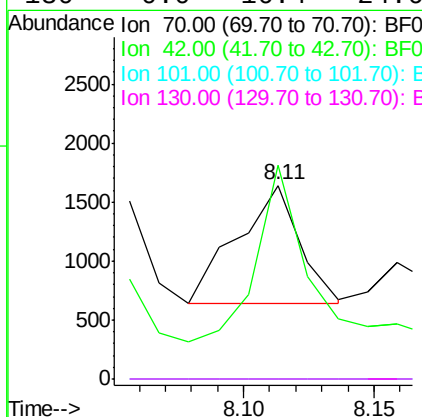
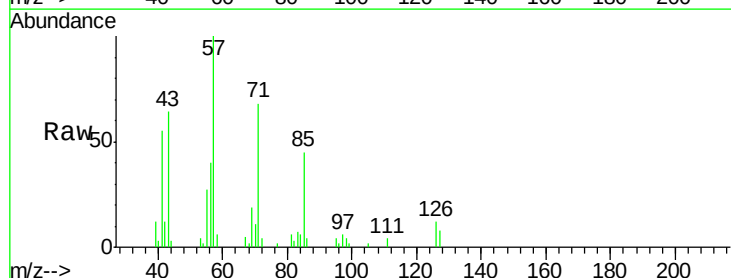
Instrument :
BNA_F
ClientSampleId :
D1-1

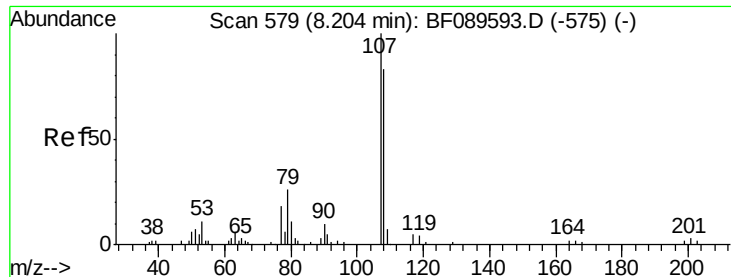
Tgt Ion: 117 Resp: 4184
Ion Ratio Lower Upper
117 100
119 1214.6 75.7 113.5#
201 0.0 71.6 107.4#



#19
n-Nitroso-di-n-propylamine
Concen: 0.64 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.06 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion: 70 Resp: 1693
Ion Ratio Lower Upper
70 100
42 110.4 40.2 60.2#
101 0.0 7.8 11.6#
130 0.0 16.4 24.6#

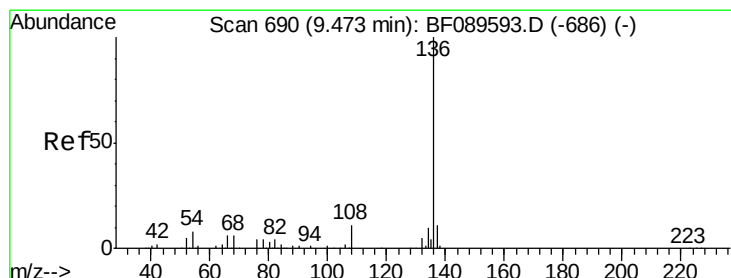
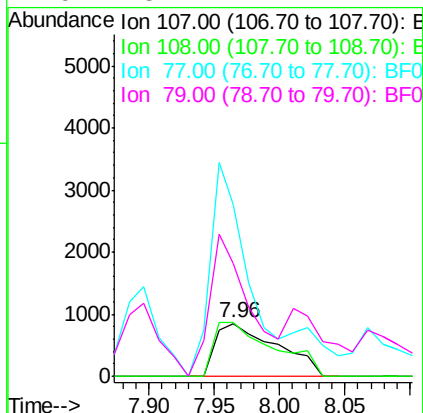
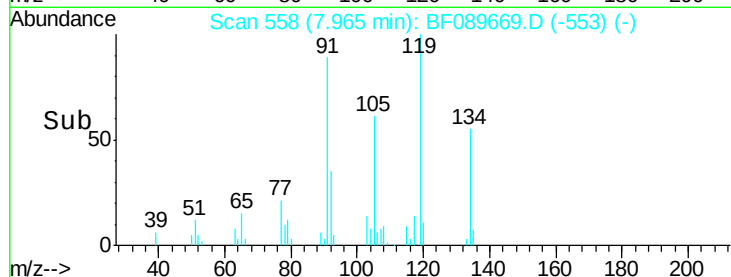
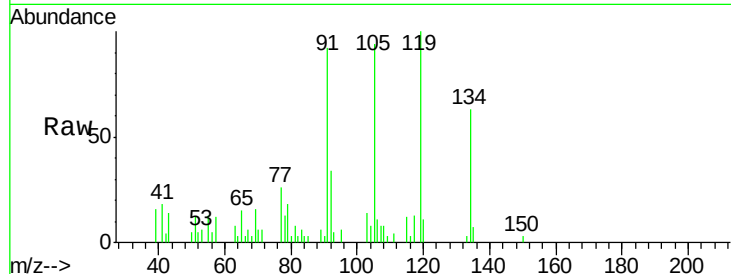




#20
3+4-Methylphenols
Concen: 0.92 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.24 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

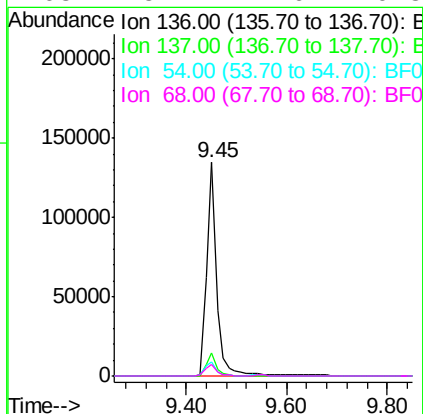
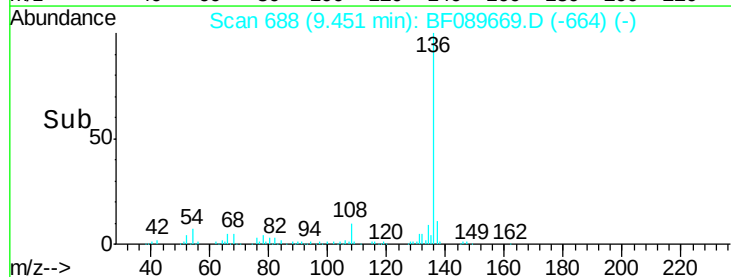
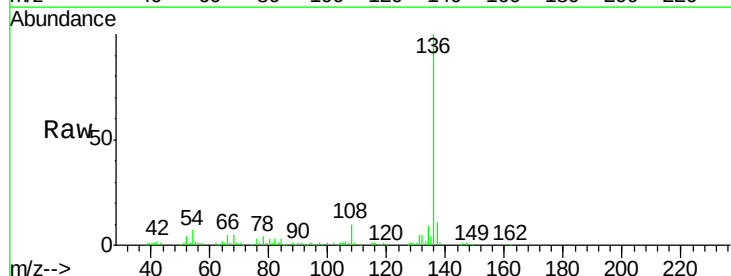
Instrument :
BNA_F
ClientSampled :
D1-1

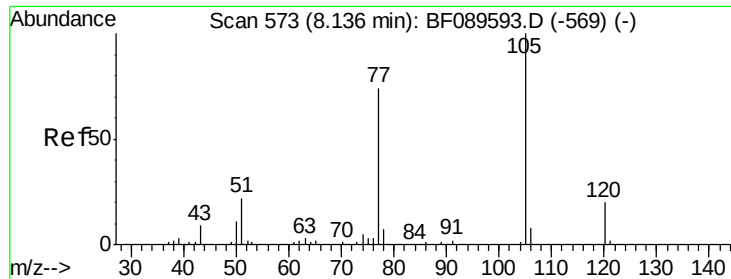
Tgt Ion:107 Resp: 2766
Ion Ratio Lower Upper
107 100
108 102.5 63.8 103.8
77 322.8 19.5 59.5#
79 213.7 7.1 47.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion:136 Resp: 188313
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.8 6.0 9.0
68 5.4 4.6 6.8

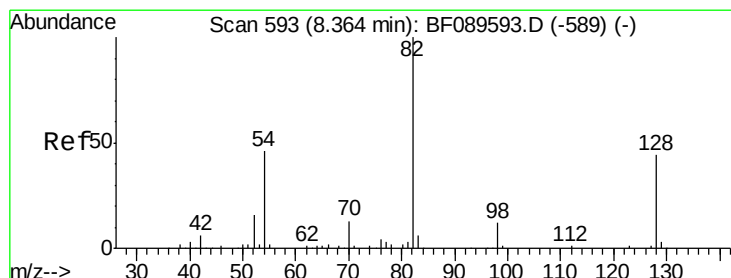
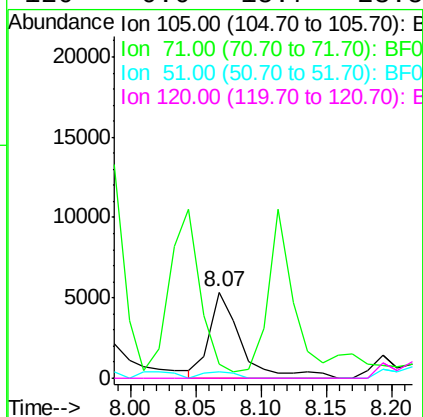
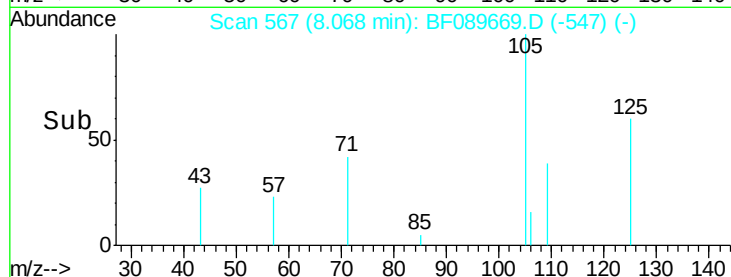
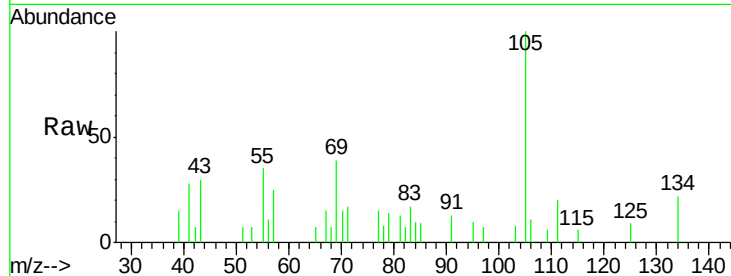




#22
Acetophenone
Concen: 2.02 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.07 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

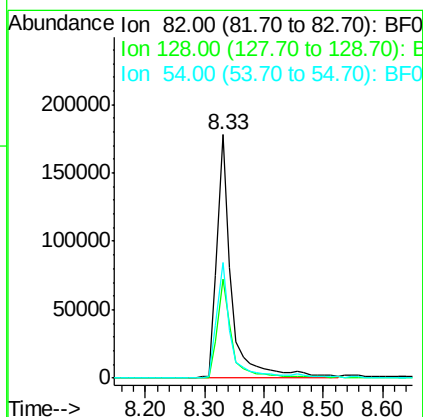
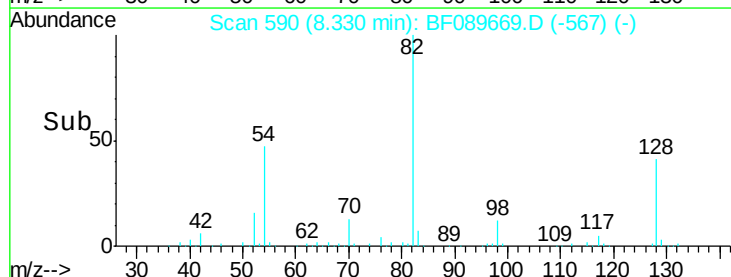
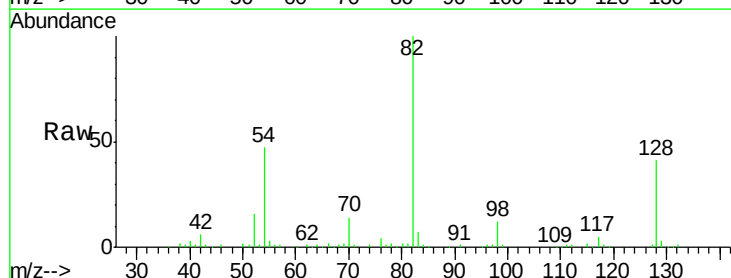
Instrument :
BNA_F
ClientSampleId :
D1-1

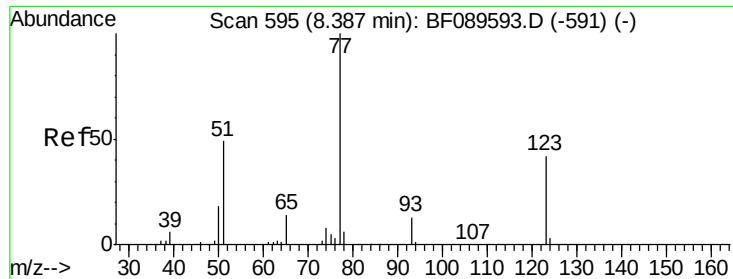
Tgt Ion: 105 Resp: 9046
Ion Ratio Lower Upper
105 100
71 16.9 0.0 0.0#
51 7.2 18.2 27.2#
120 0.0 15.7 23.5#



#23
Nitrobenzene-d5
Concen: 87.23 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.03 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion: 82 Resp: 296973
Ion Ratio Lower Upper
82 100
128 40.8 35.4 53.0
54 47.4 36.4 54.6

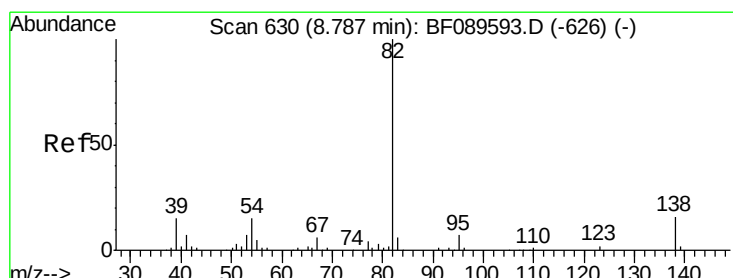
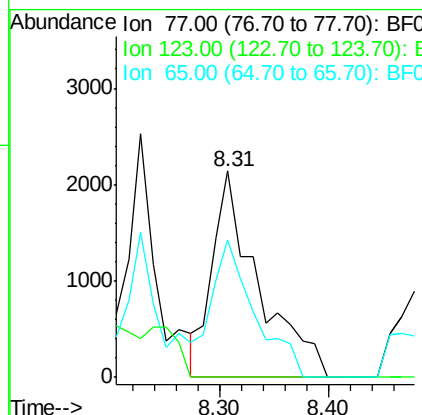
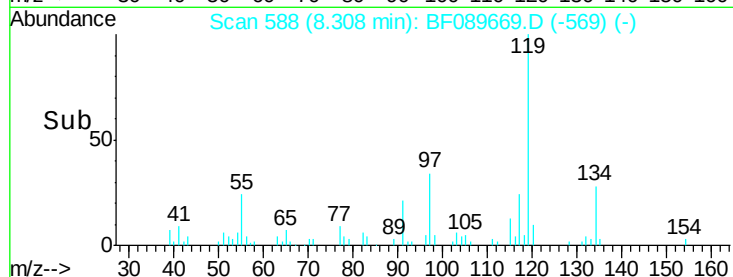
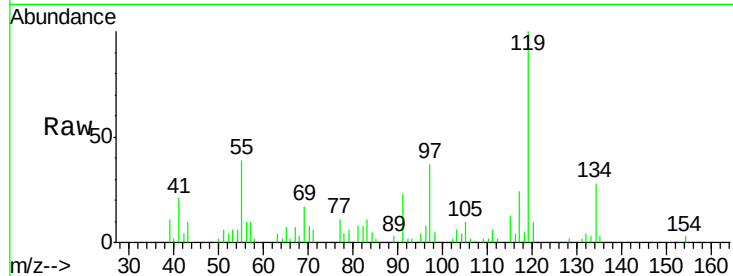




#24
 Nitrobenzene
 Concen: 1.94 ng
 RT: 8.31 min Scan# 588
 Delta R.T. -0.08 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

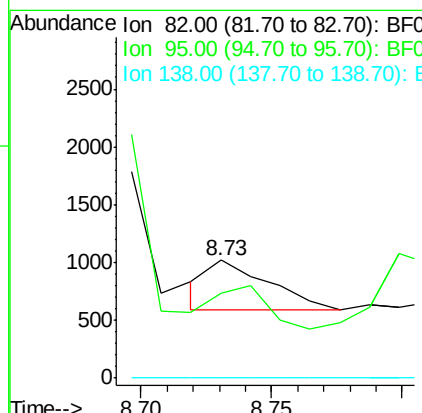
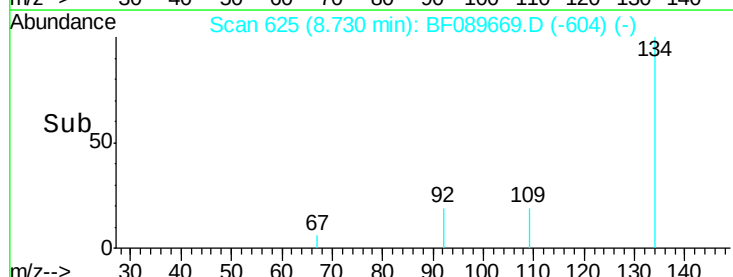
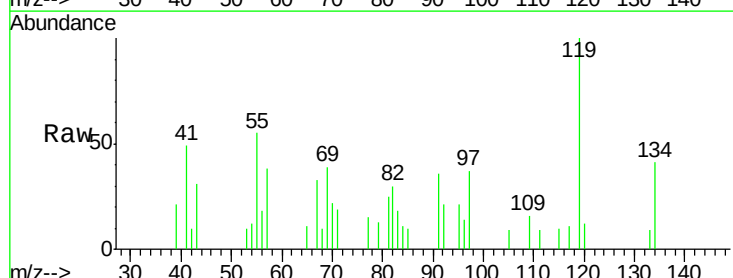
Instrument :
 BNA_F
 ClientSampleId :
 D1-1

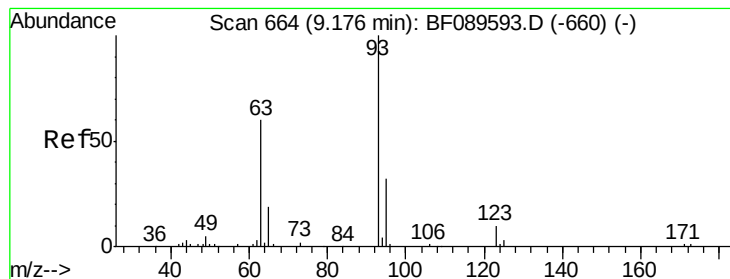
Tgt Ion: 77 Resp: 6266
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 66.5 11.0 16.6#



#25
 Isophorone
 Concen: 0.11 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.06 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

Tgt Ion: 82 Resp: 706
 Ion Ratio Lower Upper
 82 100
 95 72.3 5.8 8.8#
 138 0.0 12.6 18.8#





#28

bis(2-Chloroethoxy)methane

Concen: 0.08 ng

RT: 9.32 min Scan# 677

Delta R.T. 0.15 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

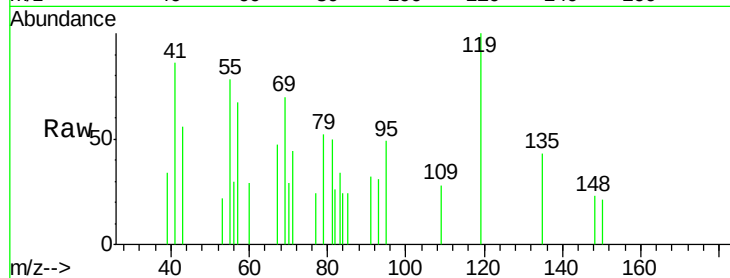
Tgt Ion: 93 Resp: 307

Ion Ratio Lower Upper

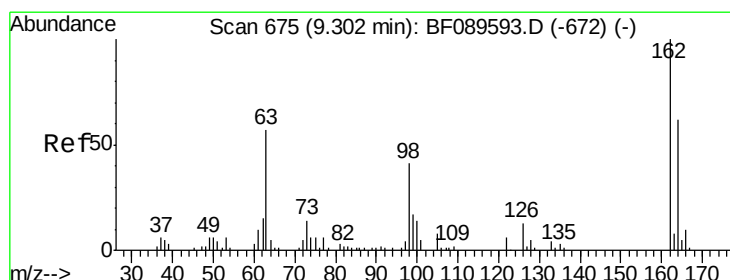
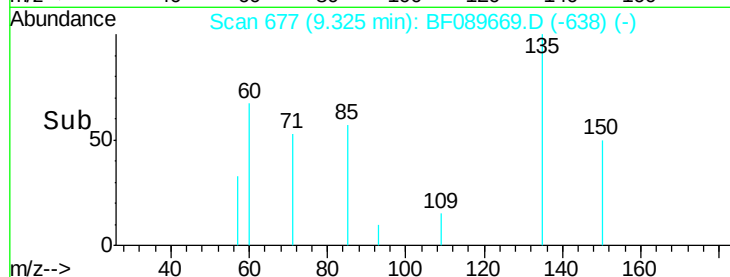
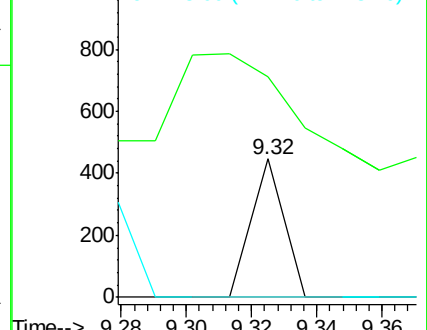
93 100

95 159.5 25.8 38.8#

123 0.0 8.0 12.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): BF0



#29

2,4-Dichlorophenol

Concen: 0.38 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.15 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

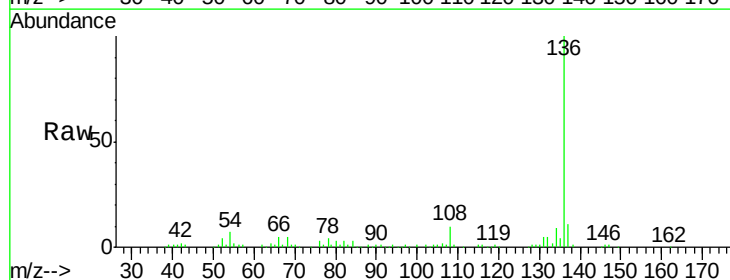
Tgt Ion: 162 Resp: 962

Ion Ratio Lower Upper

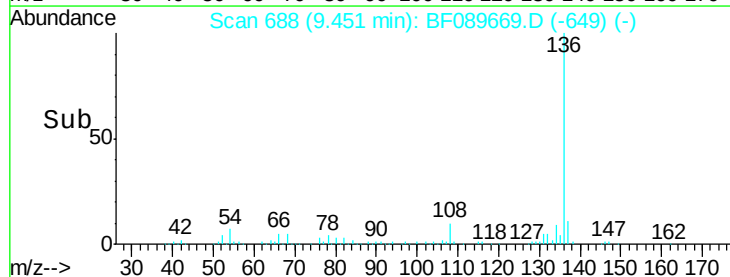
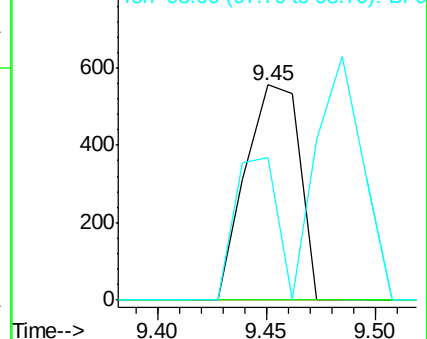
162 100

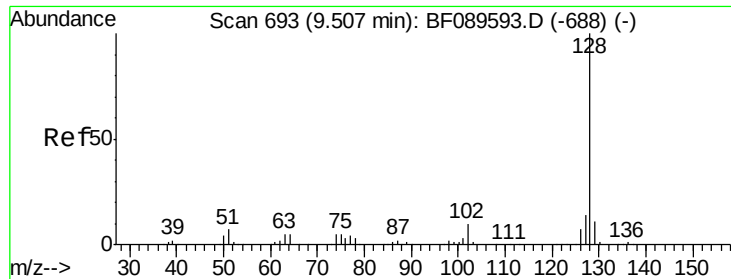
164 0.0 42.3 82.3#

98 66.0 21.2 61.2#



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

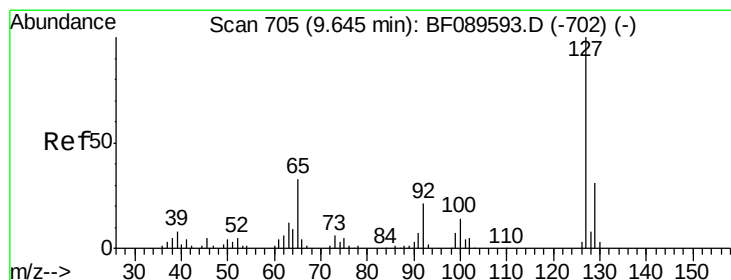
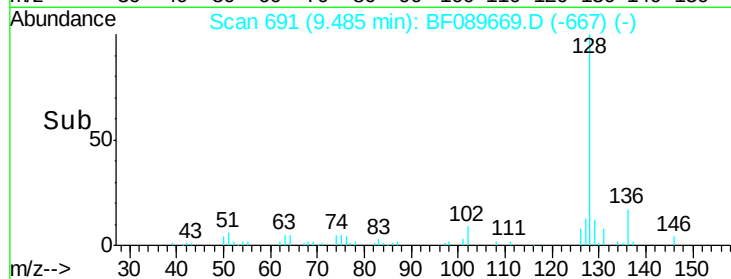
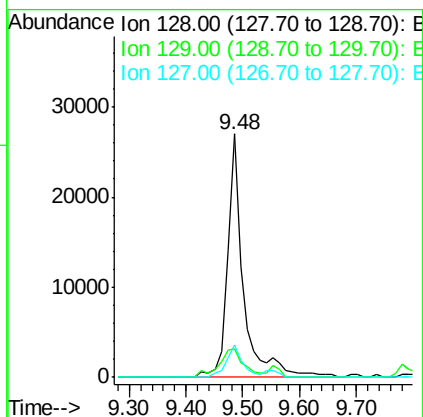
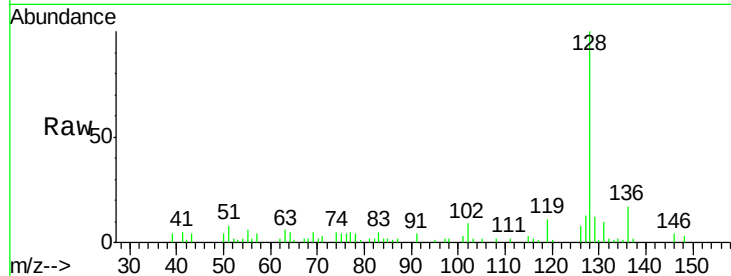




#31
Naphthalene
Concen: 5.32 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

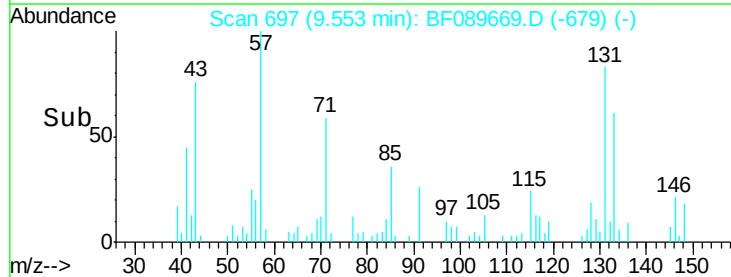
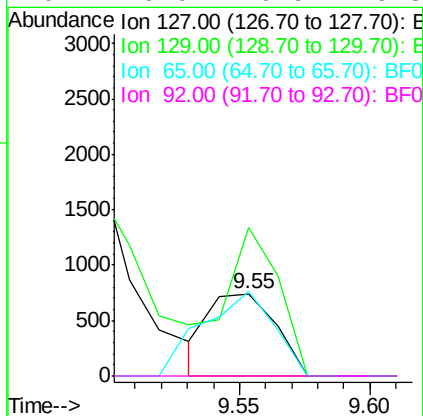
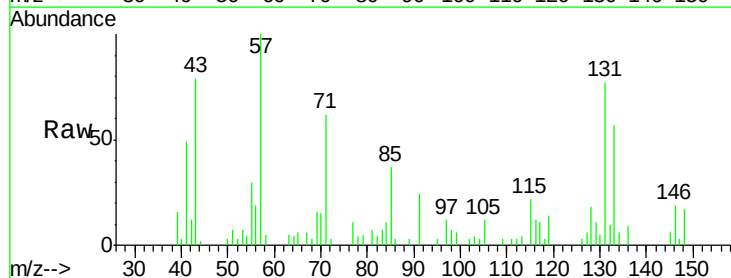
Instrument :
BNA_F
ClientSampleId :
D1-1

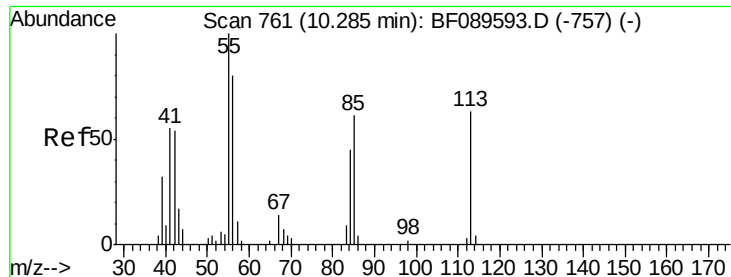
Tgt Ion:128 Resp: 53286
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.2 10.9 16.3



#33
4-Chloroaniline
Concen: 0.35 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.09 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion:127 Resp: 1306
Ion Ratio Lower Upper
127 100
129 180.8 25.1 37.7#
65 103.0 26.2 39.2#
92 0.0 16.9 25.3#

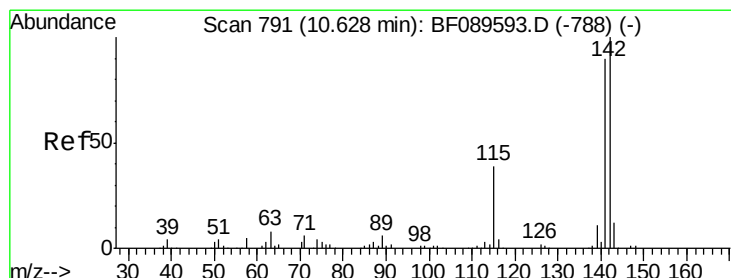
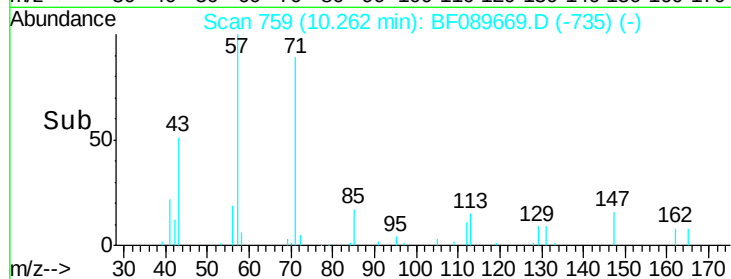
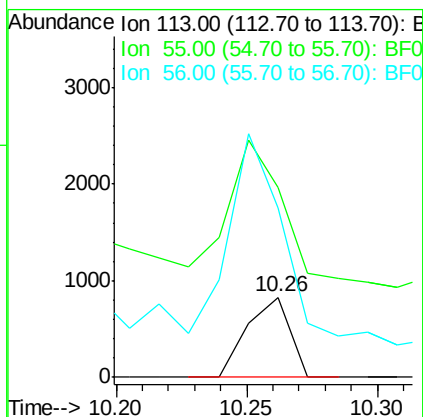
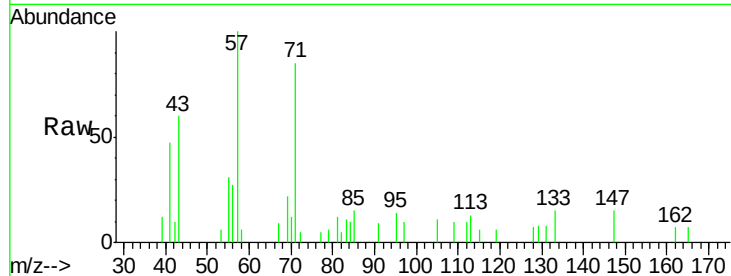




#35
 Caprolactam
 Concen: 1.30 ng
 RT: 10.26 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

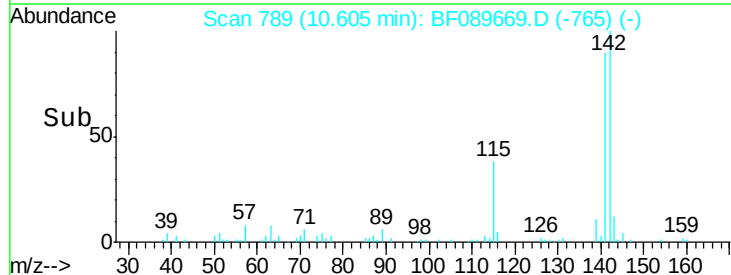
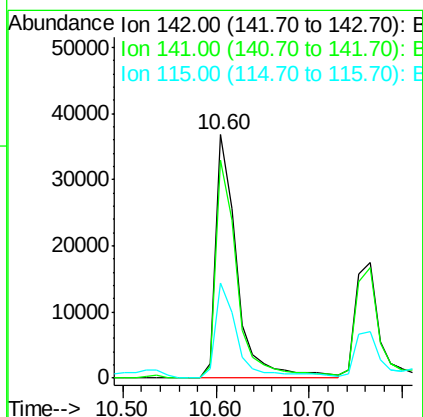
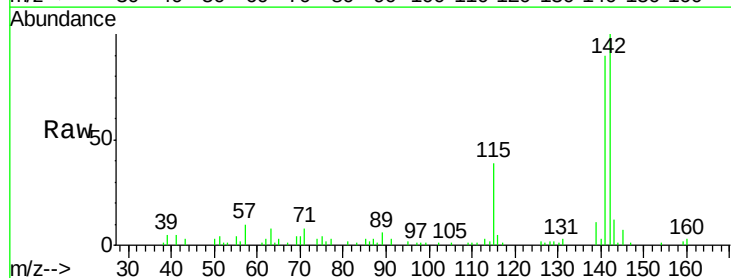
Instrument :
 BNA_F
 ClientSampleId :
 D1-1

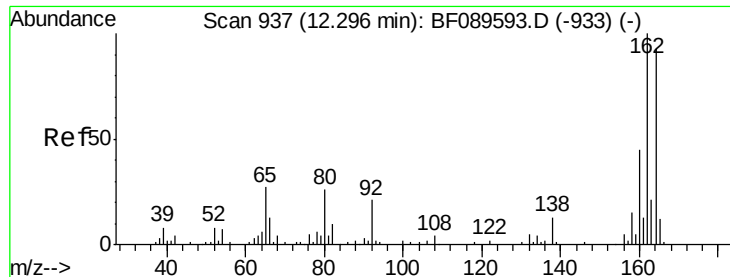
Tgt Ion:113 Resp: 958
 Ion Ratio Lower Upper
 113 100
 55 236.3 139.6 179.6#
 56 211.3 108.2 148.2#



#37
 2-Methylnaphthalene
 Concen: 9.39 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

Tgt Ion:142 Resp: 57775
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.8 107.6
 115 39.0 31.0 46.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

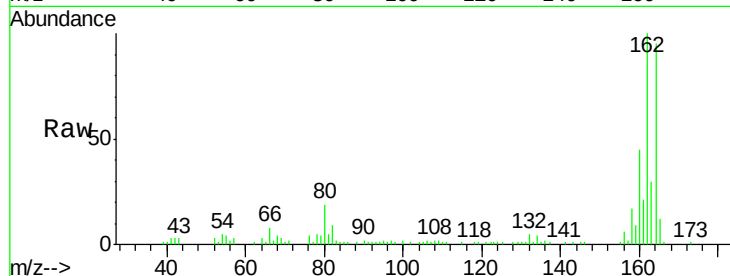
Tgt Ion:164 Resp: 84650

Ion Ratio Lower Upper

164 100

162 105.1 85.7 128.5

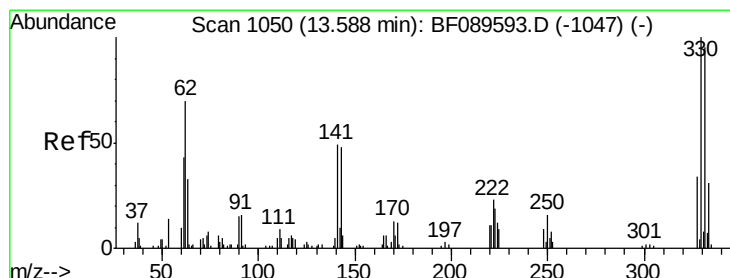
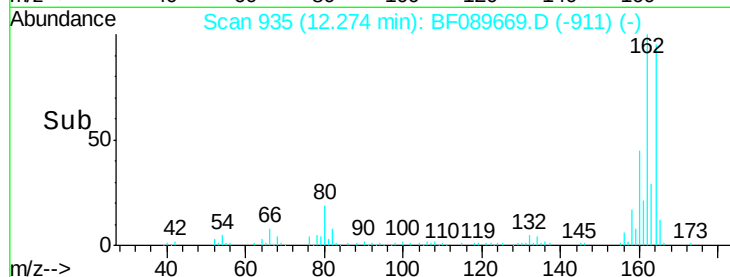
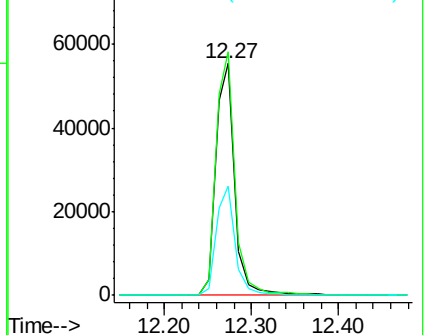
160 47.3 38.2 57.4



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: 124.79 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

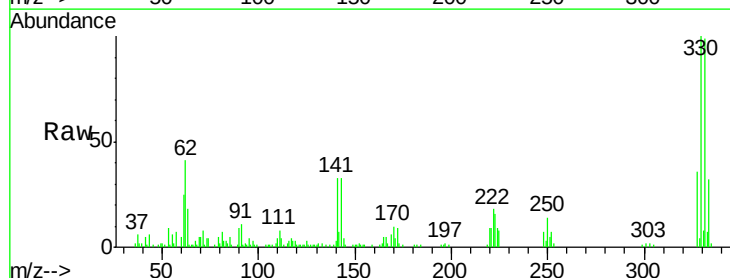
Tgt Ion:330 Resp: 87175

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

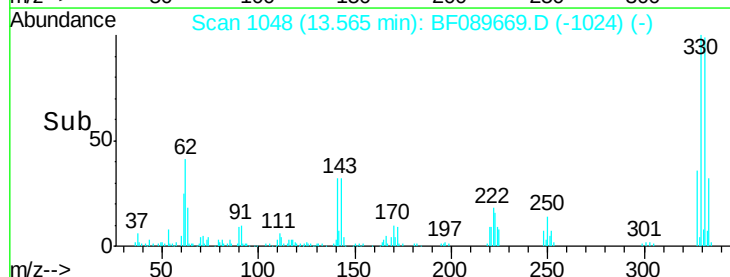
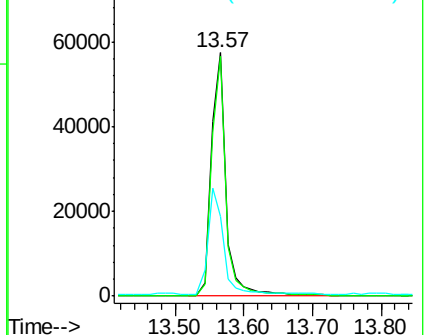
141 46.3 38.6 57.8

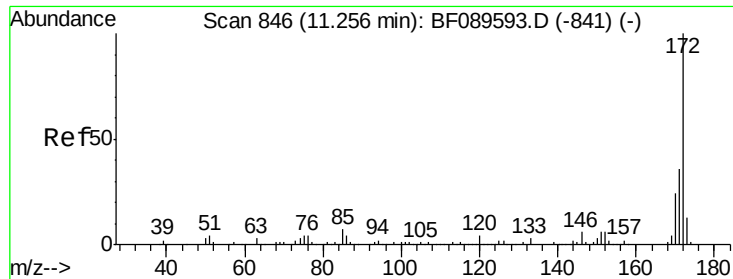


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

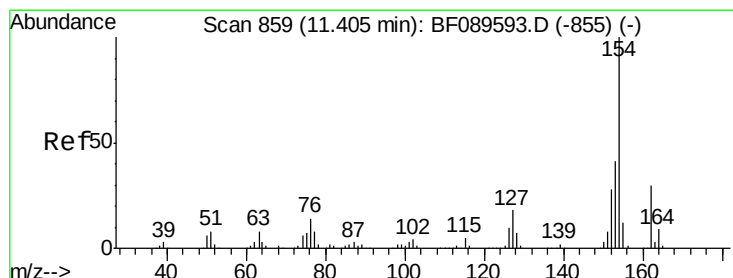
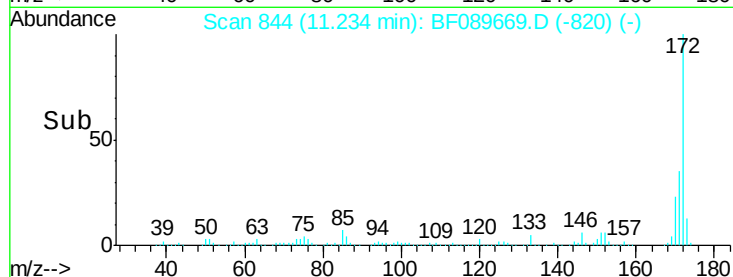
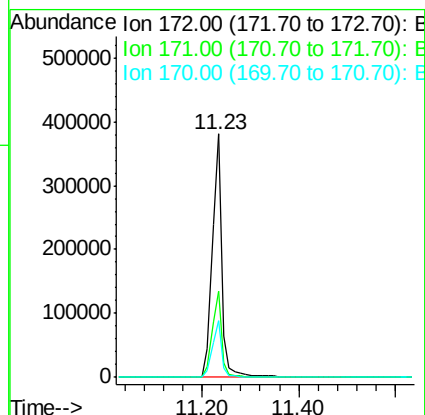
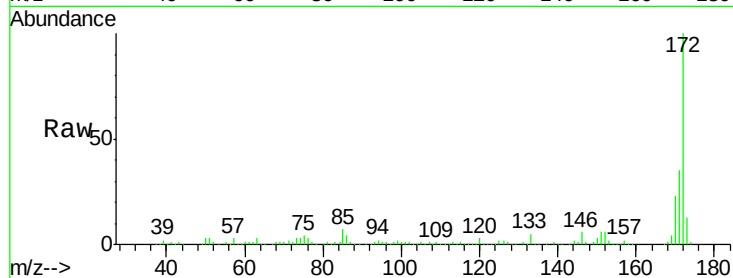




#44
 2-Fluorobiphenyl
 Concen: 83.07 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

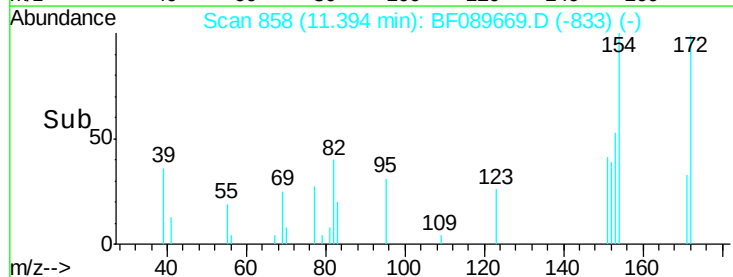
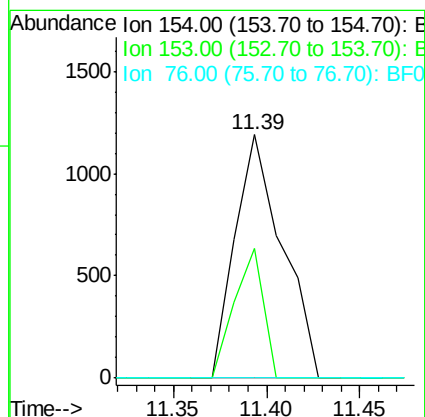
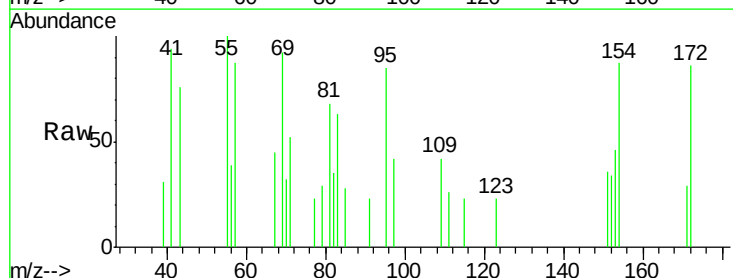
Instrument :
 BNA_F
 ClientSampleId :
 D1-1

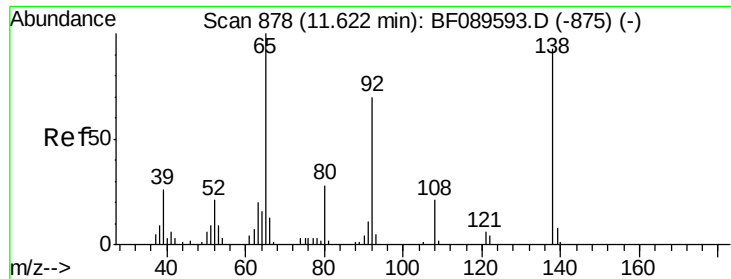
Tgt Ion:172 Resp: 541086
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.2 19.0 28.6



#45
 1,1'-Biphenyl
 Concen: 0.28 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

Tgt Ion:154 Resp: 2101
 Ion Ratio Lower Upper
 154 100
 153 53.0 20.6 60.6
 76 0.0 0.0 33.7

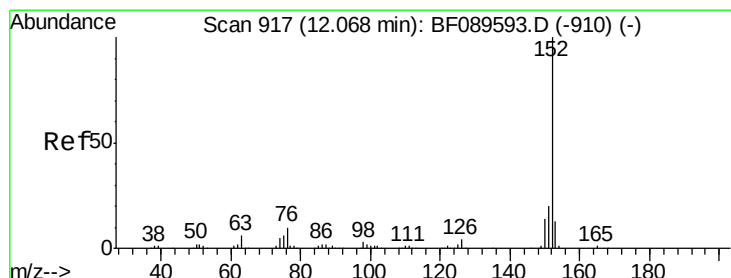
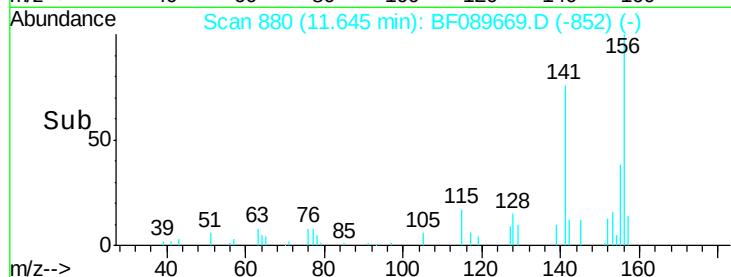
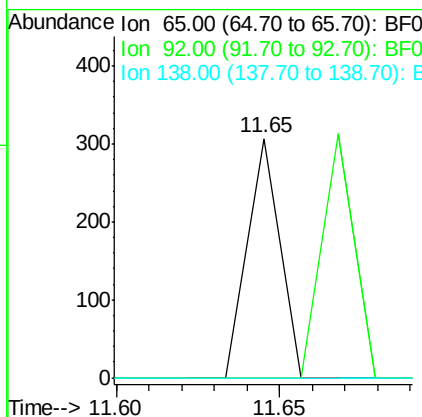
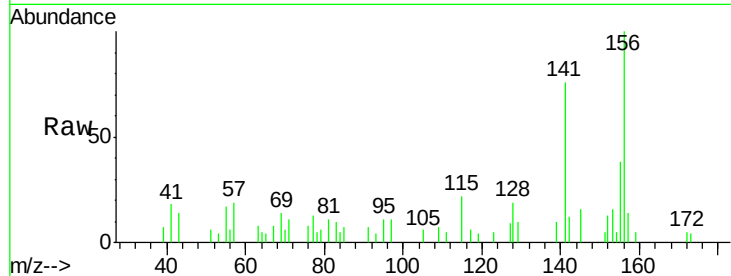




#47
2-Nitroaniline
Concen: 0.11 ng
RT: 11.65 min Scan# 880
Delta R.T. 0.02 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

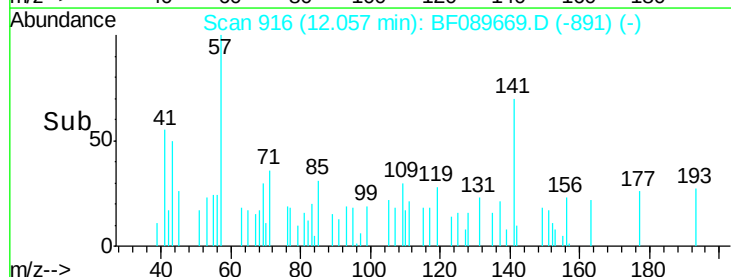
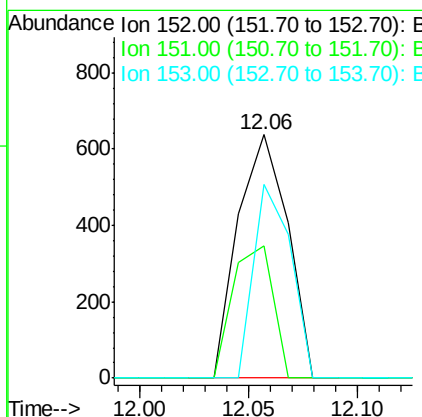
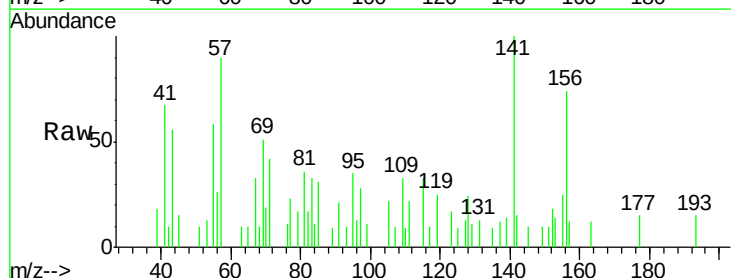
Instrument :
BNA_F
ClientSampleId :
D1-1

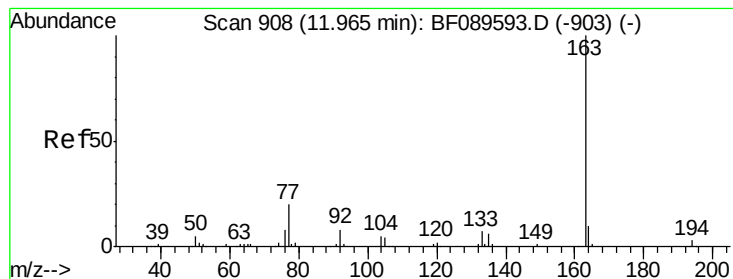
Tgt Ion: 65 Resp: 211
Ion Ratio Lower Upper
65 100
92 0.0 56.3 84.5#
138 0.0 74.3 111.5#



#48
Acenaphthylene
Concen: 0.11 ng
RT: 12.06 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion: 152 Resp: 1011
Ion Ratio Lower Upper
152 100
151 54.2 16.2 24.4#
153 79.5 10.5 15.7#





#49

Dimethylphthalate

Concen: 15.27 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

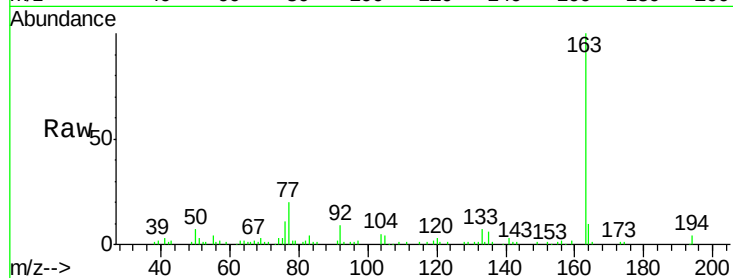
Tgt Ion:163 Resp: 101332

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

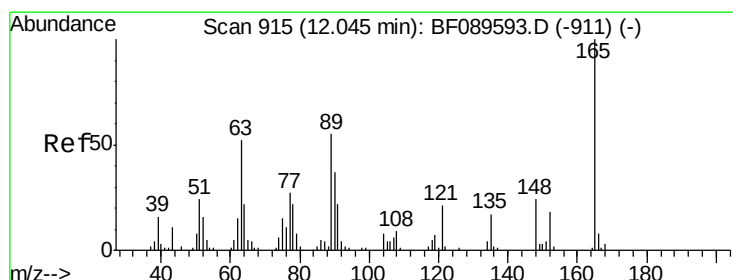
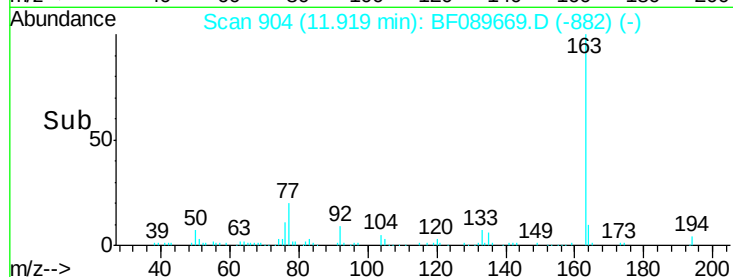
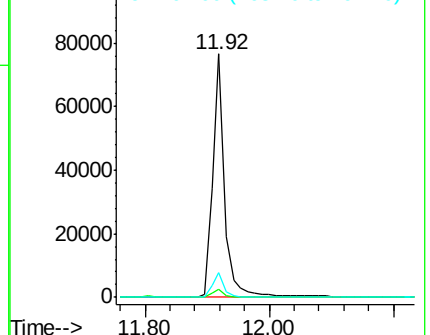
164 10.0 7.8 11.6



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



#50

2,6-Dinitrotoluene

Concen: 0.99 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.13 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

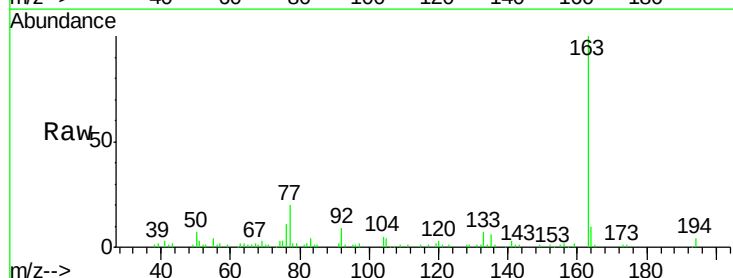
Tgt Ion:165 Resp: 1311

Ion Ratio Lower Upper

165 100

63 152.4 44.6 67.0#

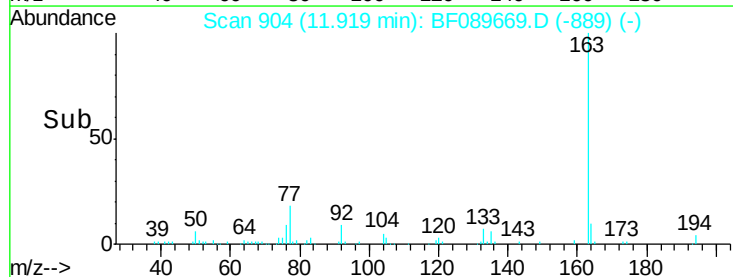
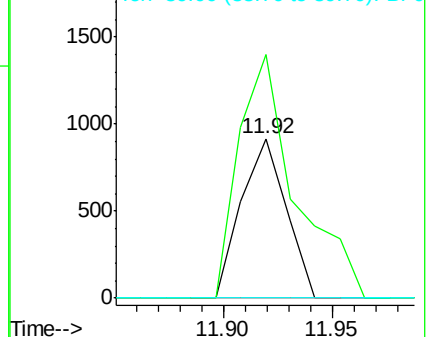
89 0.0 44.2 66.2#

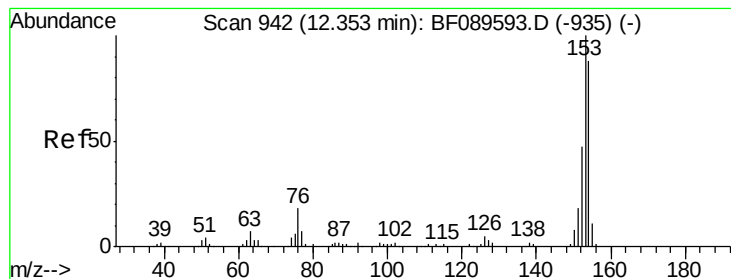


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.16 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

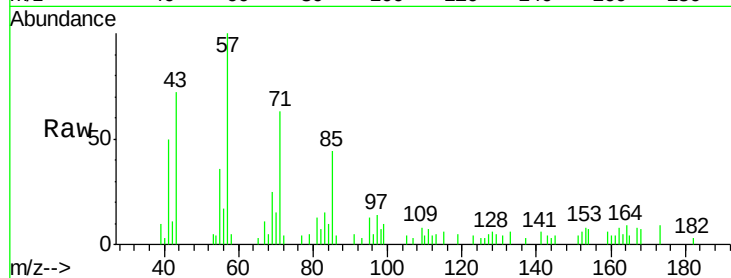
Tgt Ion:154 Resp: 890

Ion Ratio Lower Upper

154 100

153 112.8 91.1 136.7

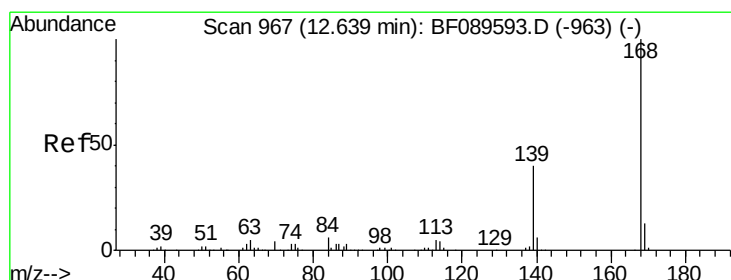
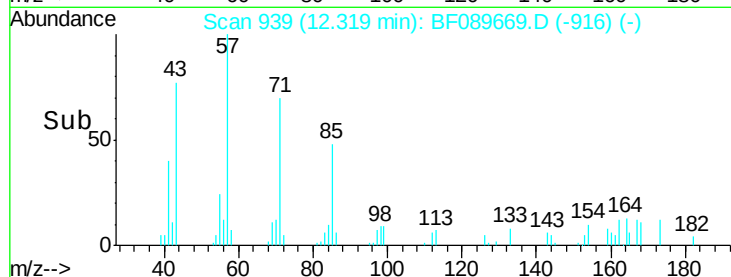
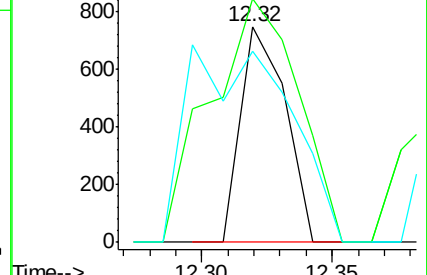
152 88.4 43.5 65.3#



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: 0.07 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

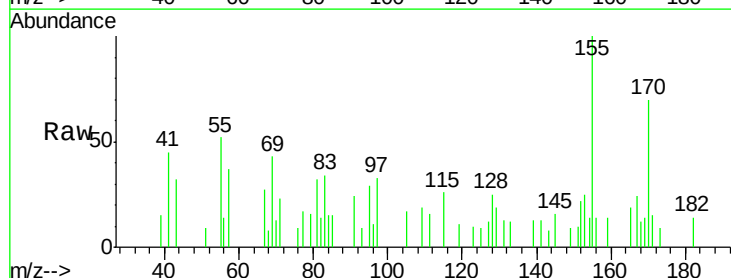
Tgt Ion:168 Resp: 544

Ion Ratio Lower Upper

168 100

139 109.8 32.3 48.5#

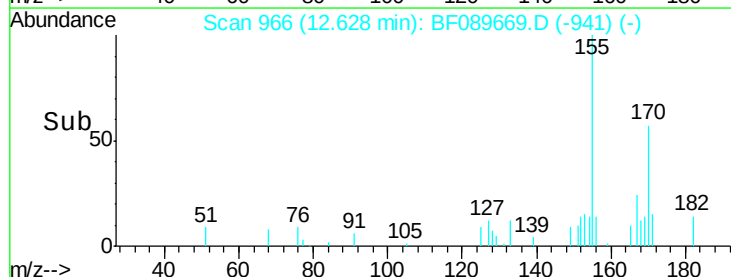
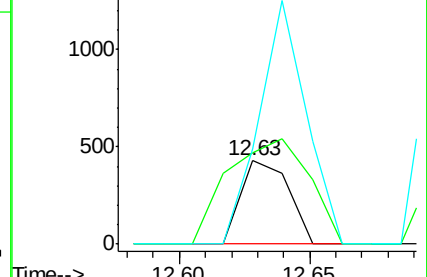
169 113.8 10.6 15.8#

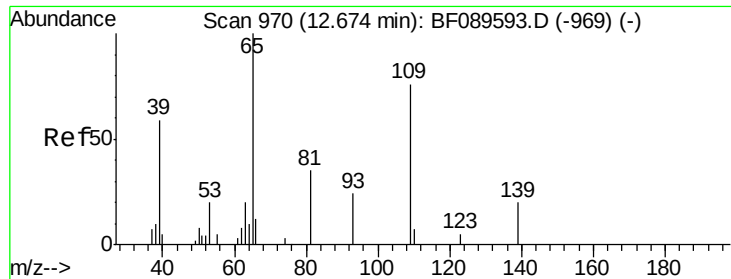


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

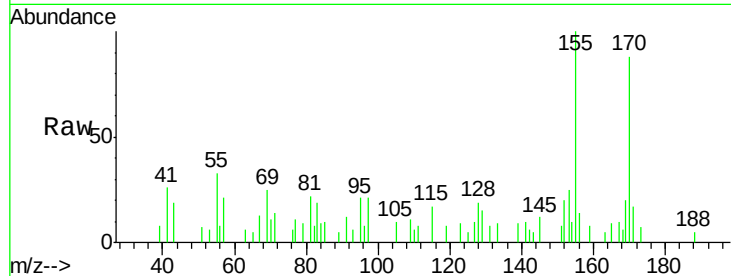




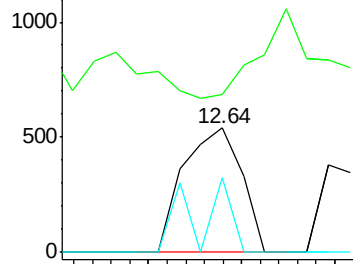
#55
4-Nitrophenol
Concen: 7.65 ng
RT: 12.64 min Scan# 967
Delta R.T. -0.03 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Instrument :
BNA_F
ClientSampleId :
D1-1

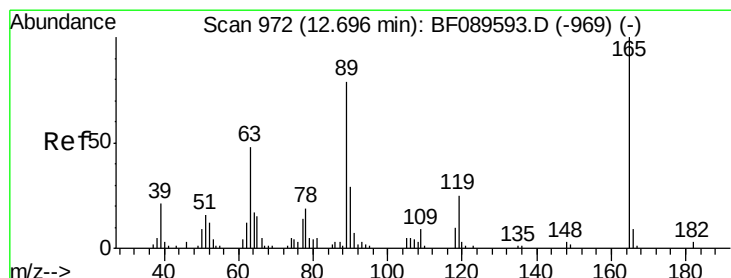
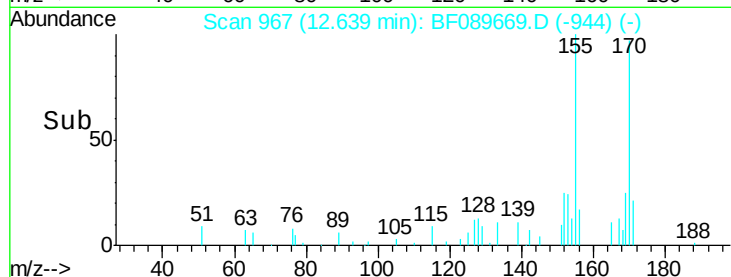
Tgt Ion:139 Resp: 1168
Ion Ratio Lower Upper
139 100
109 127.5 28.9 68.9#
65 59.7 49.2 89.2



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

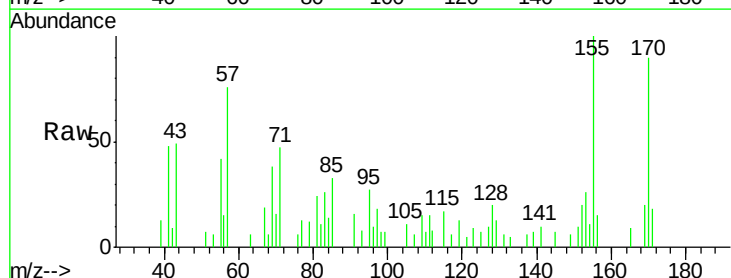


Time-->

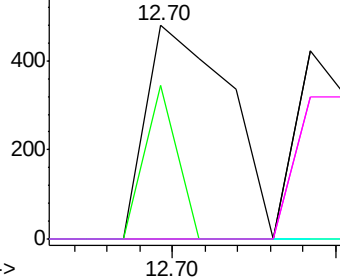


#56
2,4-Dinitrotoluene
Concen: 0.45 ng
RT: 12.70 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

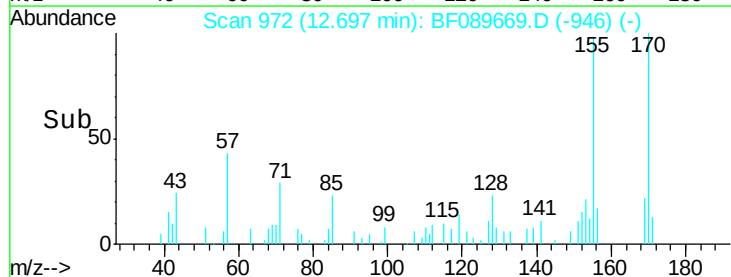
Tgt Ion:165 Resp: 836
Ion Ratio Lower Upper
165 100
63 71.8 42.2 63.4#
89 0.0 64.4 96.6#
182 0.0 2.1 3.1#

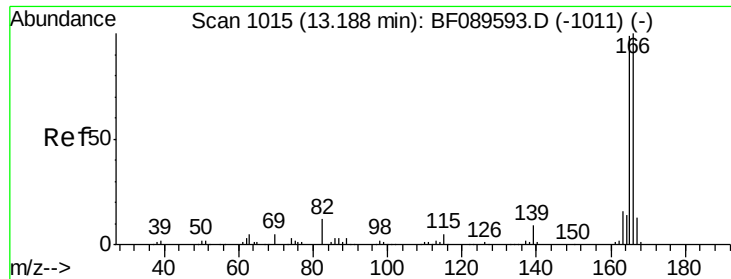


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E



Time-->





#57

Fluorene

Concen: 0.65 ng

RT: 13.17 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

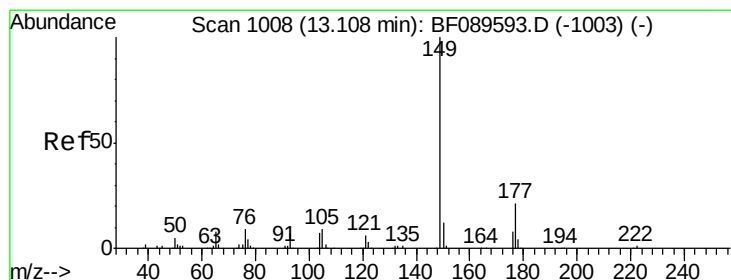
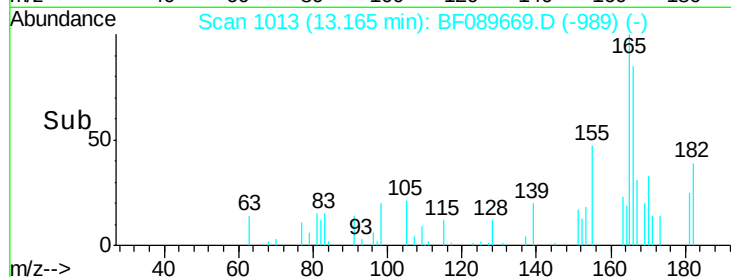
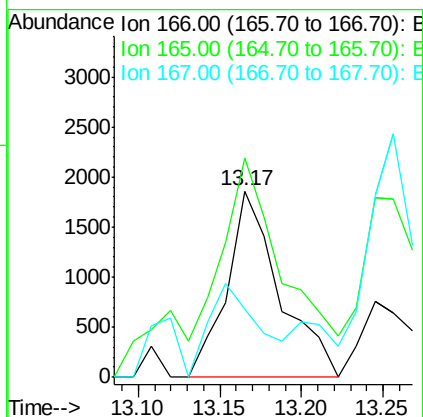
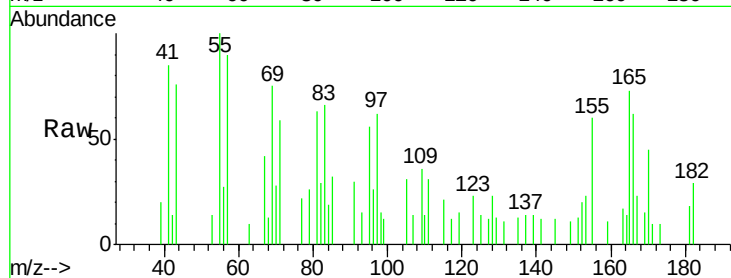
Tgt Ion:166 Resp: 4143

Ion Ratio Lower Upper

166 100

165 117.8 78.9 118.3

167 36.9 10.4 15.6#



#59

Diethylphthalate

Concen: 0.07 ng

RT: 13.06 min Scan# 1004

Delta R.T. -0.05 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

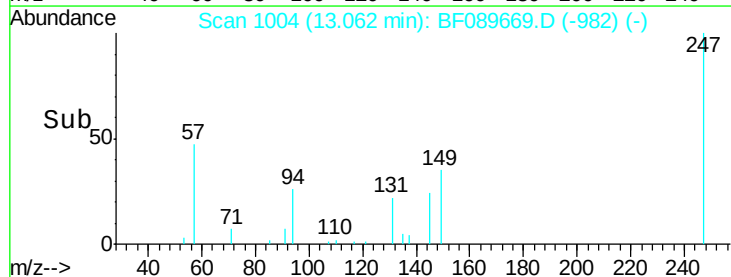
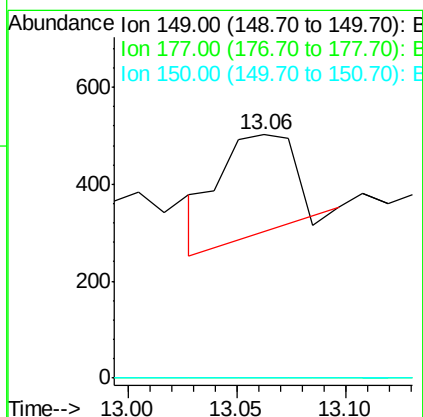
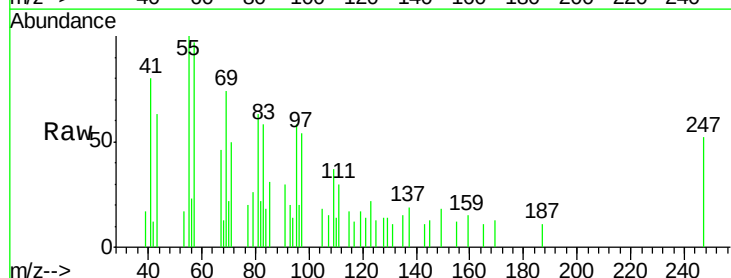
Tgt Ion:149 Resp: 503

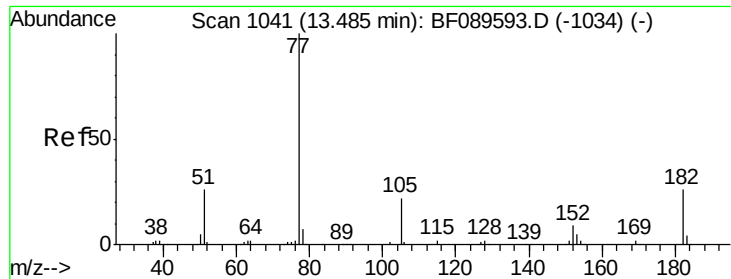
Ion Ratio Lower Upper

149 100

177 0.0 16.8 25.2#

150 0.0 9.6 14.4#





#62

Azobenzene

Concen: 0.07 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

Tgt Ion: 77 Resp: 473

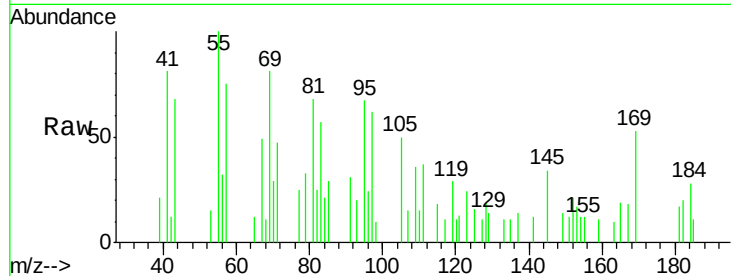
Ion Ratio Lower Upper

77 100

182 79.0 5.8 45.8#

105 197.1 2.9 42.9#

51 0.0 7.2 47.2#



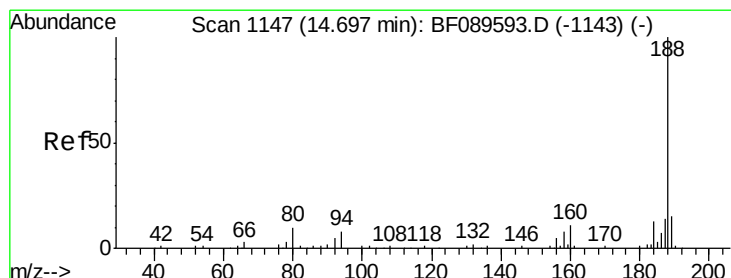
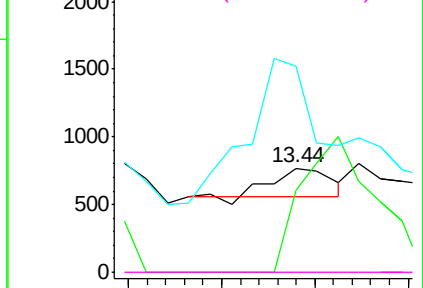
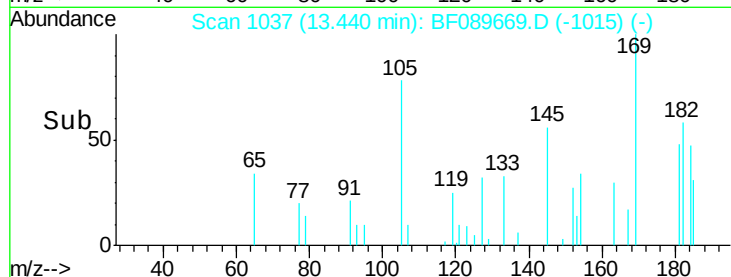
Abundance

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: BF089669.D

Acq: 8 Aug 2016 19:34

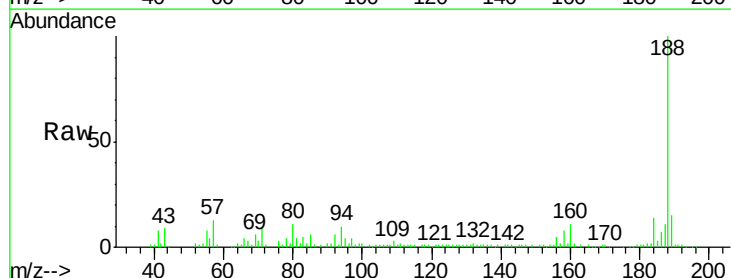
Tgt Ion: 188 Resp: 136948

Ion Ratio Lower Upper

188 100

94 10.1 6.5 9.7#

80 11.3 8.0 12.0

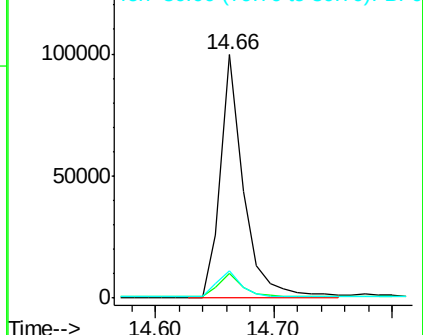
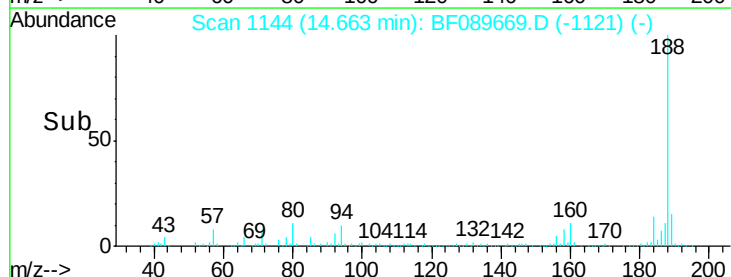


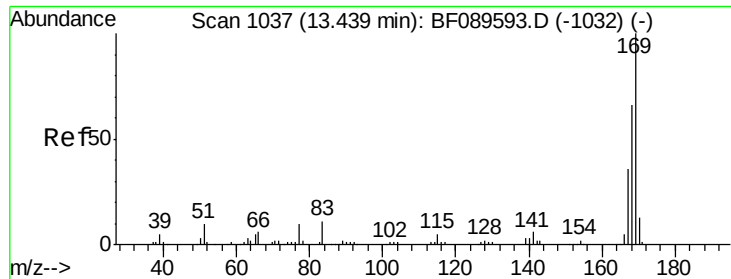
Abundance

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

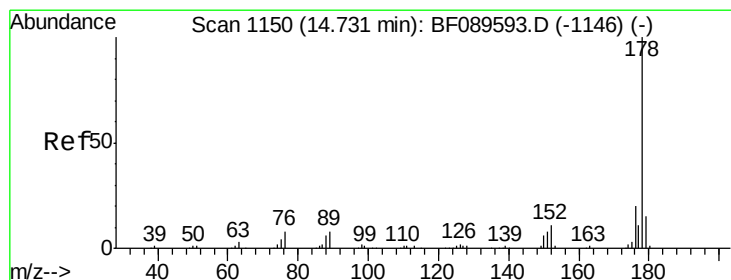
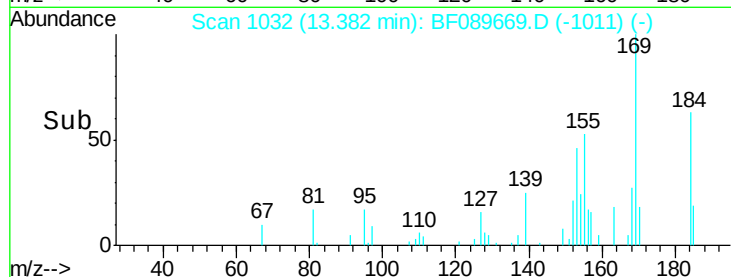
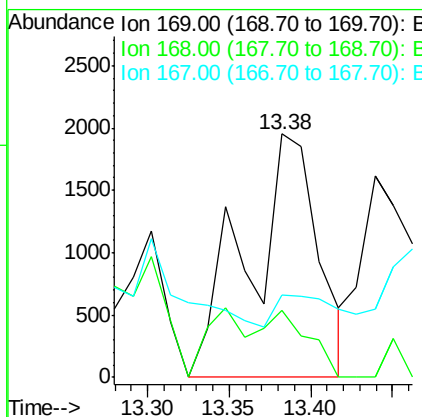
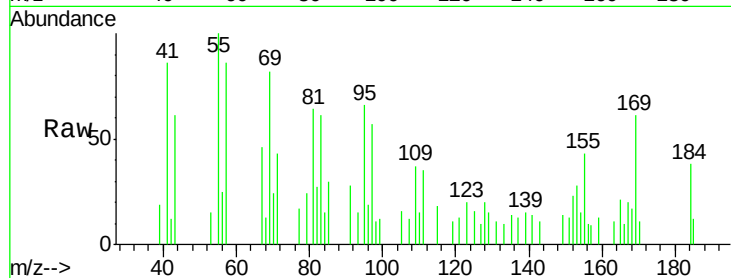




#65
n-Nitrosodiphenylamine
Concen: 1.26 ng
RT: 13.38 min Scan# 1032
Delta R.T. -0.06 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

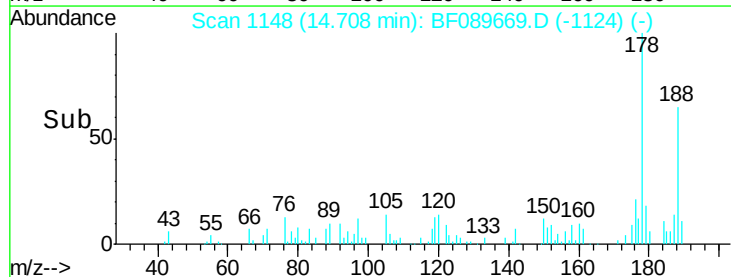
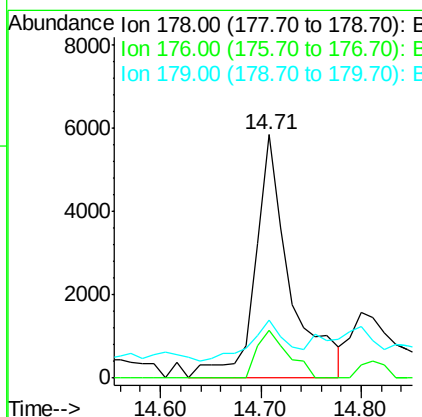
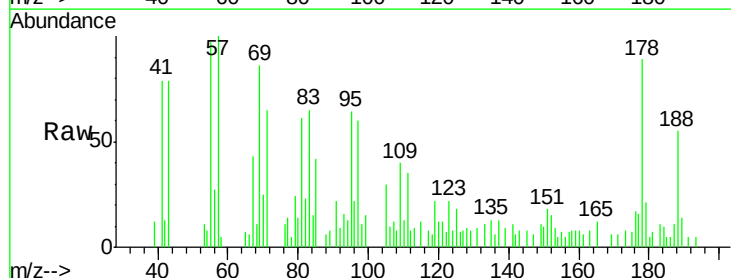
Instrument :
BNA_F
ClientSampleId :
D1-1

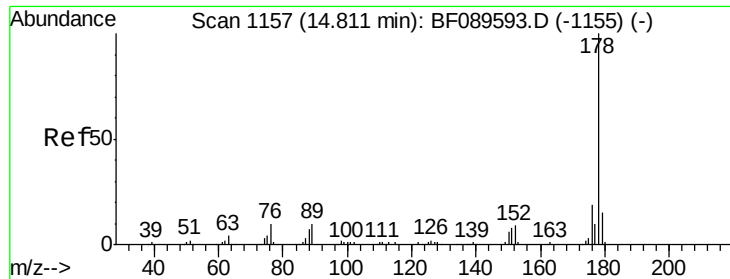
Tgt Ion:169 Resp: 5827
Ion Ratio Lower Upper
169 100
168 27.4 54.2 81.2#
167 33.7 28.9 43.3



#70
Phenanthrene
Concen: 1.89 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion:178 Resp: 14071
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 24.1 12.2 18.2#

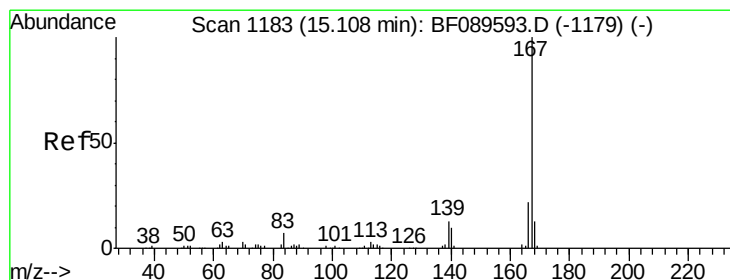
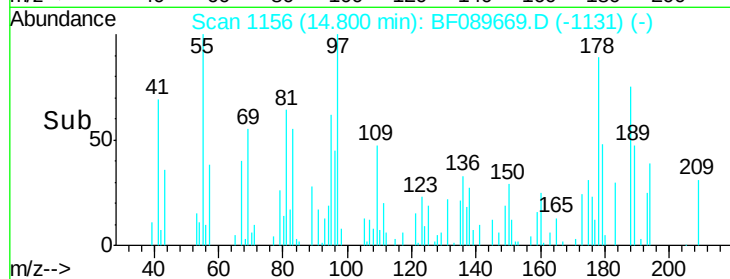
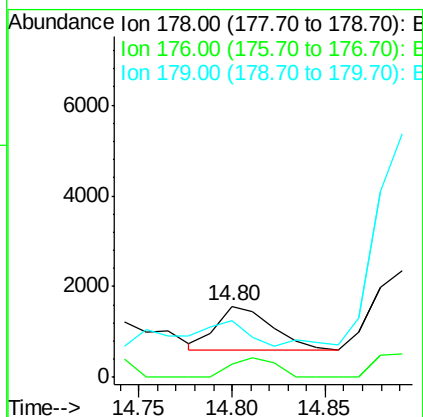
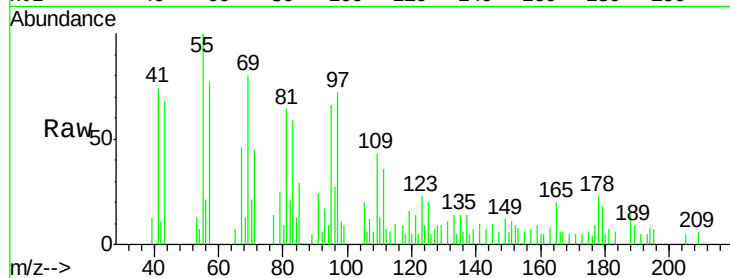




#71
 Anthracene
 Concen: 0.26 ng
 RT: 14.80 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

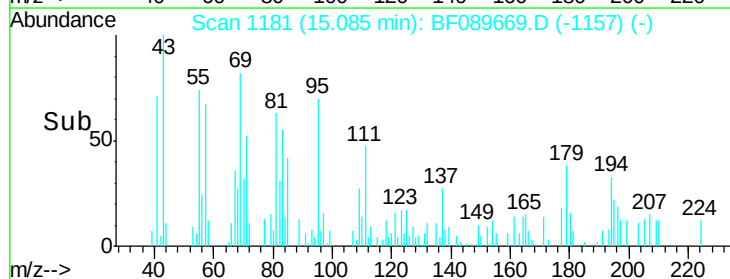
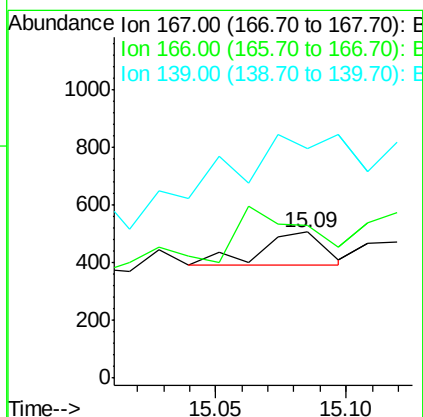
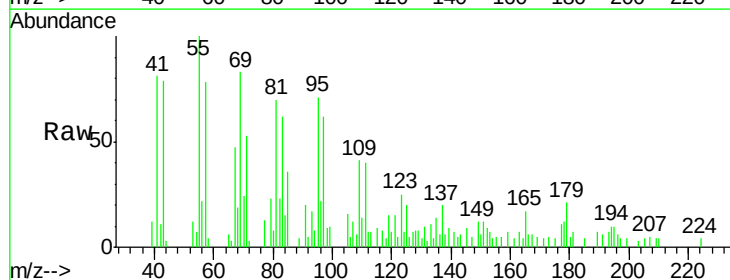
Instrument :
 BNA_F
 ClientSampleId :
 D1-1

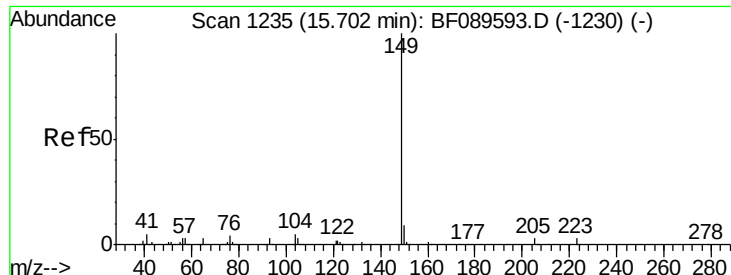
Tgt Ion:178 Resp: 2058
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.4
 179 79.6 12.4 18.6#



#72
 Carbazole
 Concen: 0.03 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

Tgt Ion:167 Resp: 193
 Ion Ratio Lower Upper
 167 100
 166 104.7 17.5 26.3#
 139 157.1 10.4 15.6#

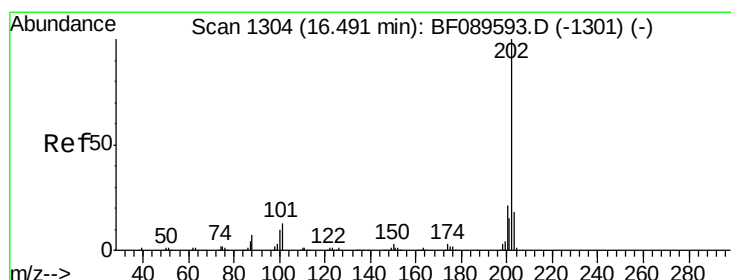
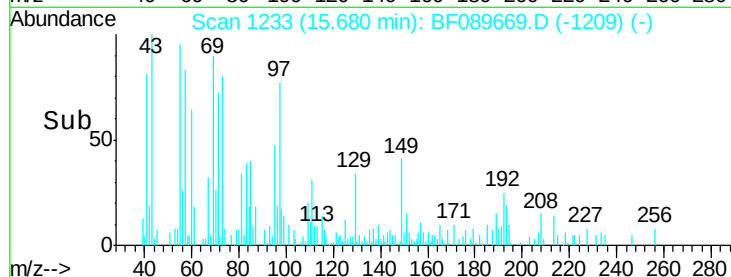
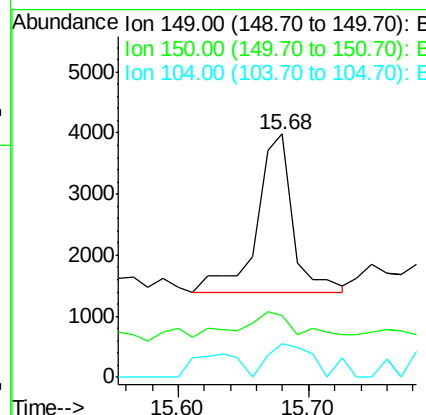
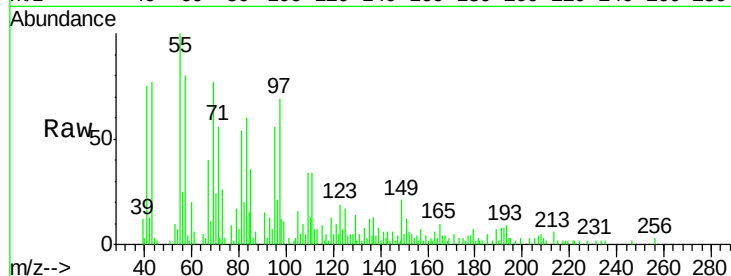




#73
Di-n-butylphthalate
Concen: 0.56 ng
RT: 15.68 min Scan# 1233
Delta R.T. -0.02 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

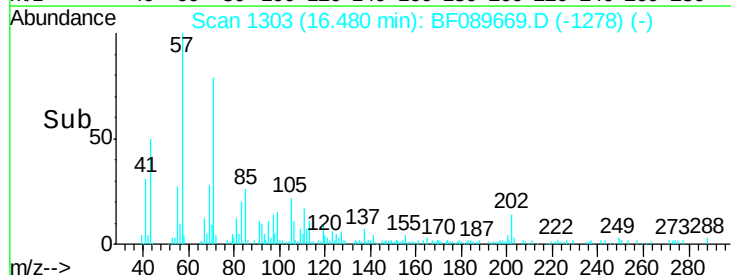
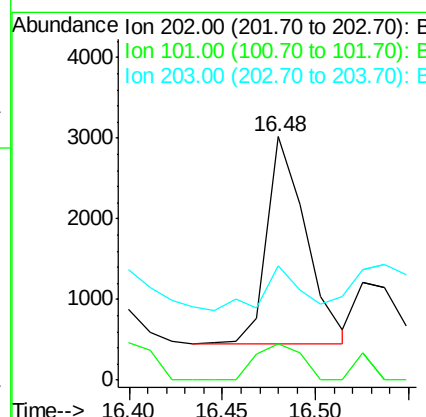
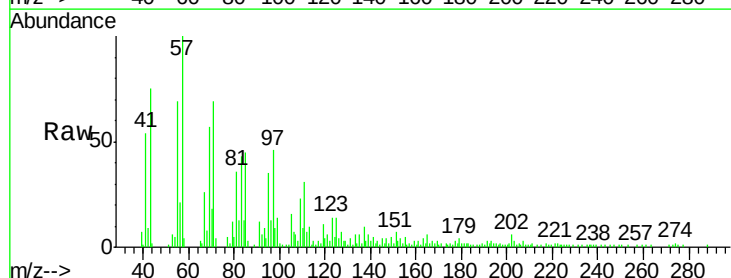
Instrument :
BNA_F
ClientSampleId :
D1-1

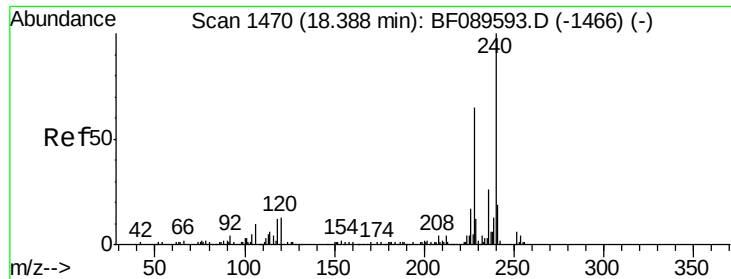
Tgt Ion:149 Resp: 4997
Ion Ratio Lower Upper
149 100
150 25.4 7.2 10.8#
104 13.7 3.8 5.8#



#74
Fluoranthene
Concen: 0.49 ng
RT: 16.48 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion:202 Resp: 3738
Ion Ratio Lower Upper
202 100
101 15.1 0.0 32.7
203 47.1 0.0 37.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.39 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

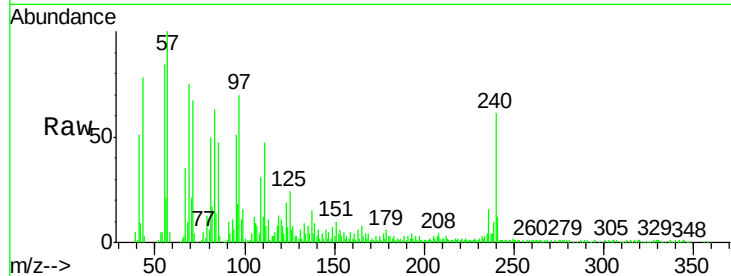
Tgt Ion:240 Resp: 85959

Ion Ratio Lower Upper

240 100

120 18.5 10.6 15.8#

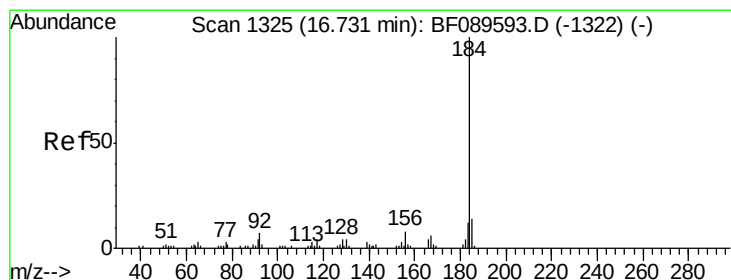
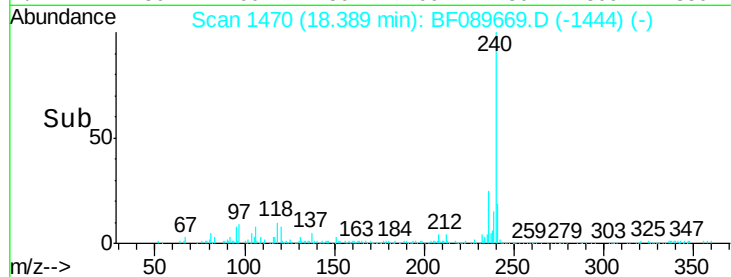
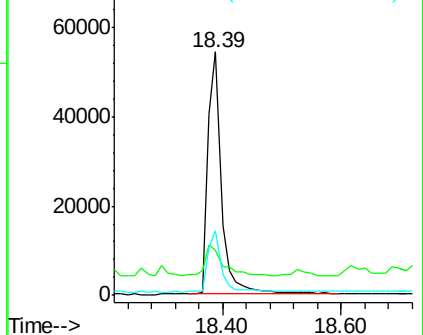
236 26.4 20.6 30.8



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



#76

Benzidine

Concen: 0.61 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.10 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

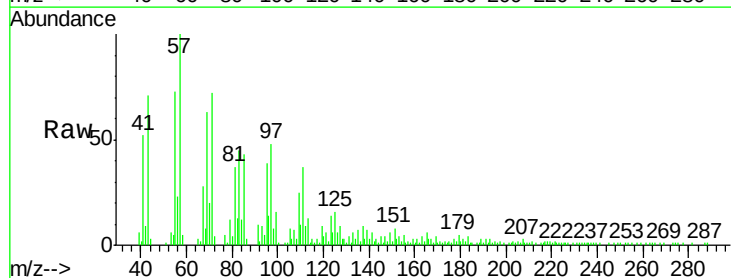
Tgt Ion:184 Resp: 1588

Ion Ratio Lower Upper

184 100

185 155.5 11.5 17.3#

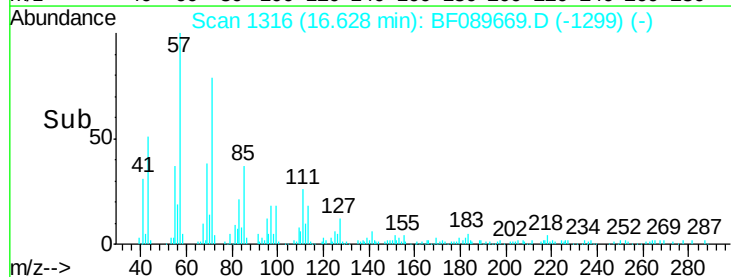
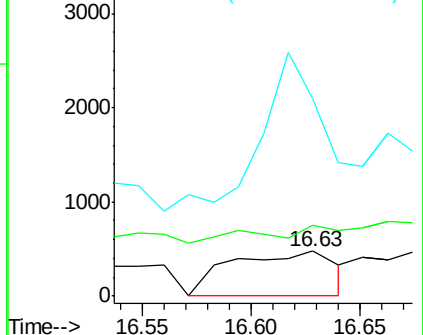
183 437.0 9.8 14.8#

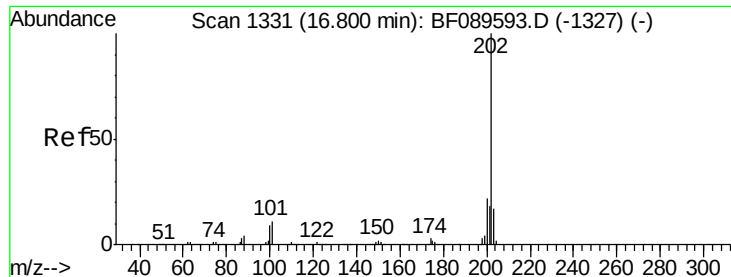


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 1.22 ng

RT: 16.79 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

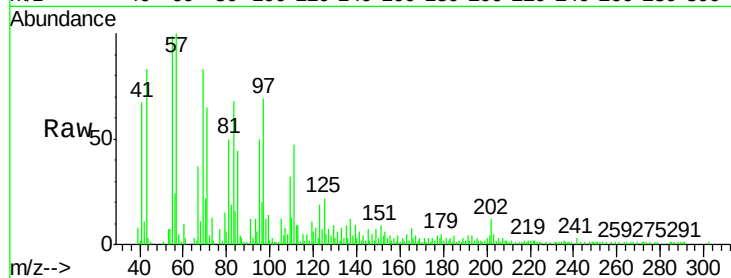
Tgt Ion:202 Resp: 9301

Ion Ratio Lower Upper

202 100

200 23.9 17.4 26.0

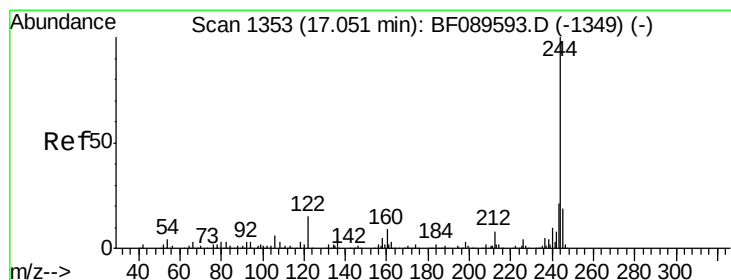
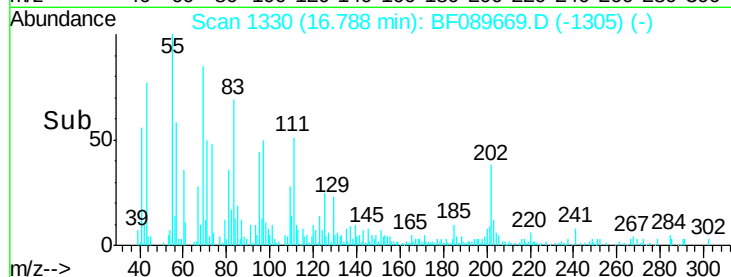
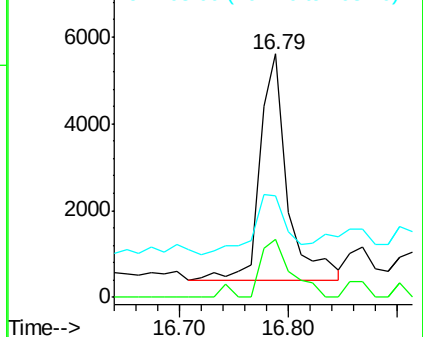
203 41.6 13.6 20.4#



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: 72.15 ng

RT: 17.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

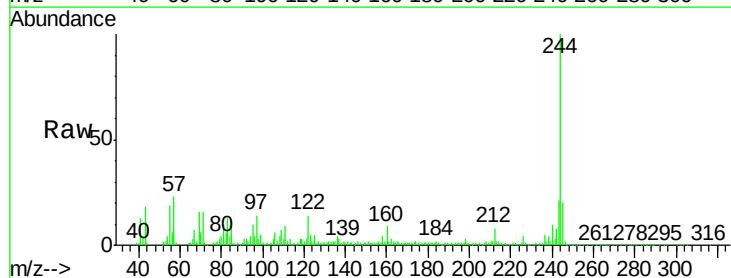
Tgt Ion:244 Resp: 314150

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

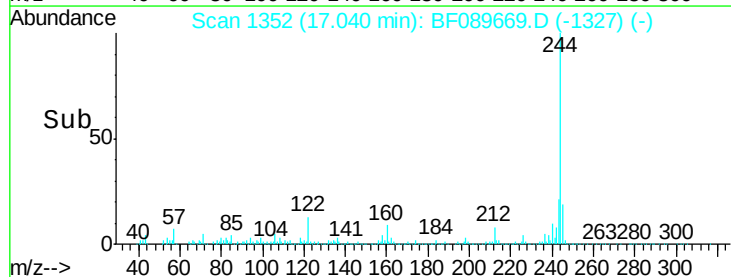
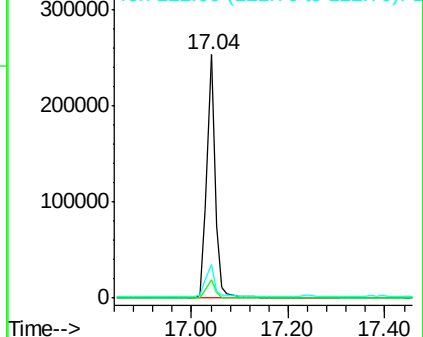
122 13.8 12.2 18.2

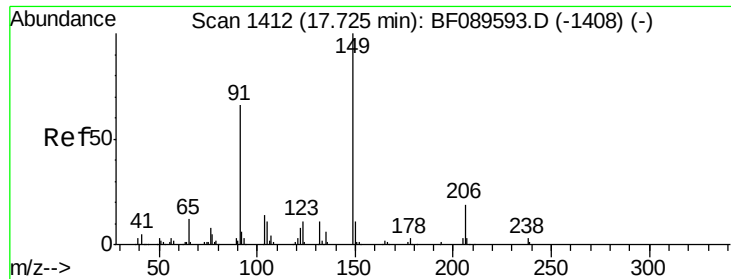


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

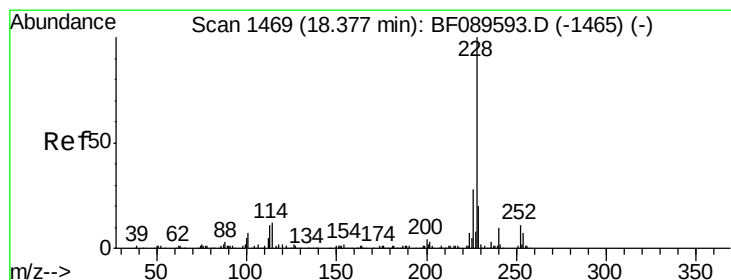
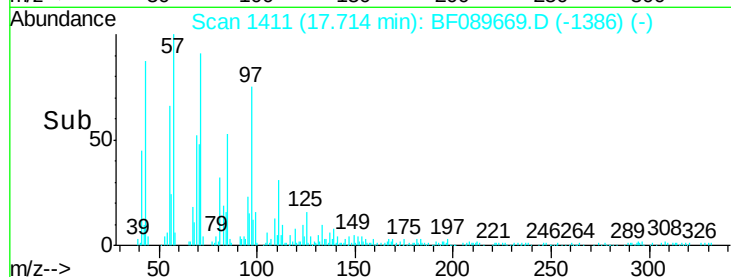
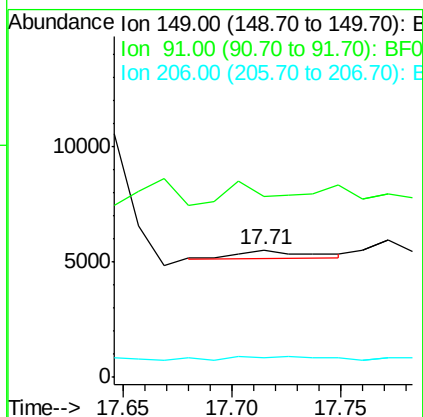
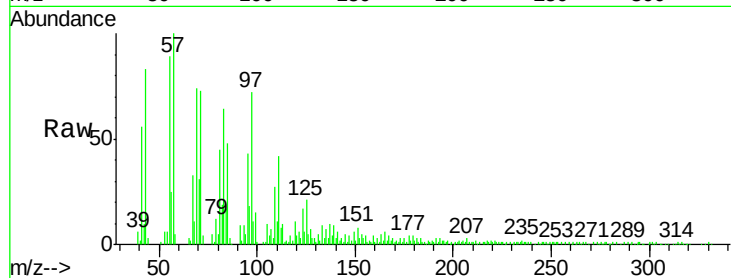




#79
Butylbenzylphthalate
Concen: 0.26 ng
RT: 17.71 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

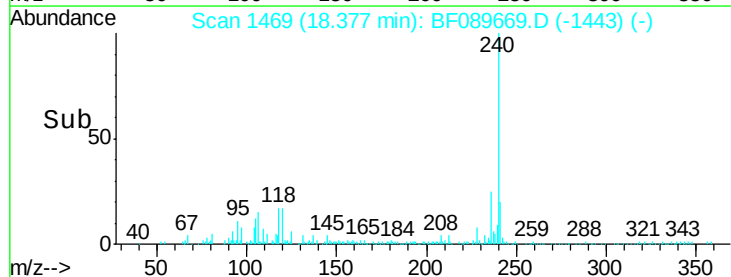
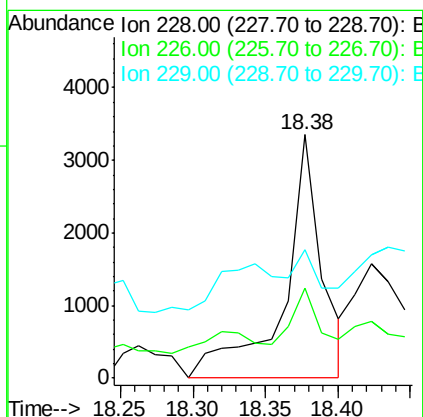
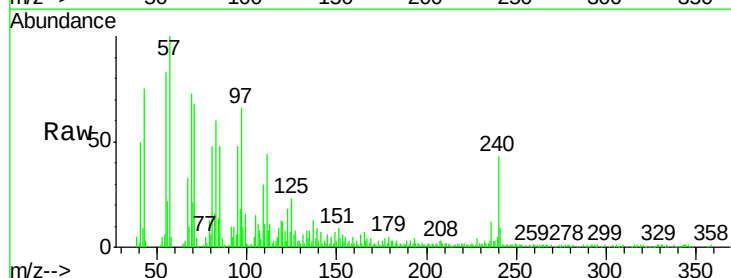
Instrument :
BNA_F
ClientSampleId :
D1-1

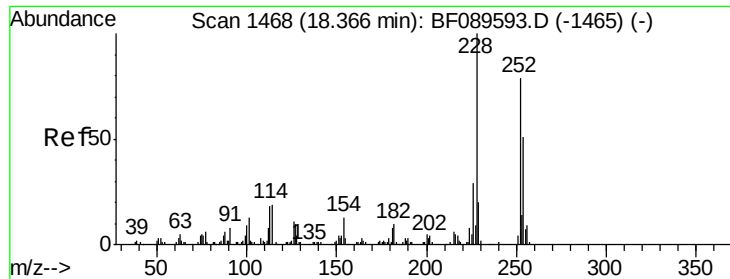
Tgt Ion:149 Resp: 848
Ion Ratio Lower Upper
149 100
91 142.8 52.6 78.8#
206 15.2 15.4 23.0#



#80
Benzo(a)anthracene
Concen: 1.22 ng
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089669.D
Acq: 8 Aug 2016 19:34

Tgt Ion:228 Resp: 6023
Ion Ratio Lower Upper
228 100
226 37.1 22.3 33.5#
229 52.5 15.9 23.9#

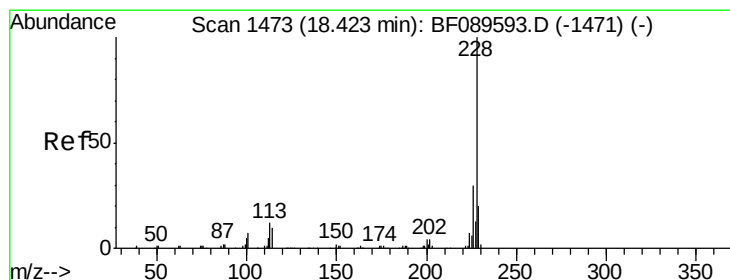
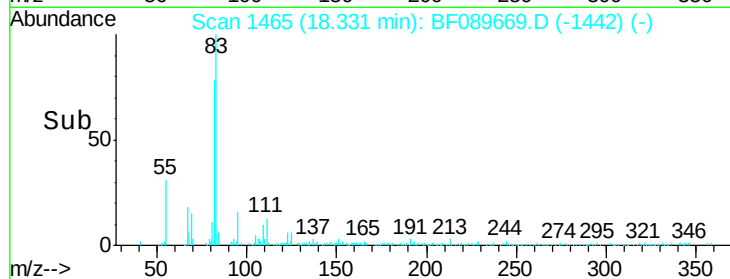
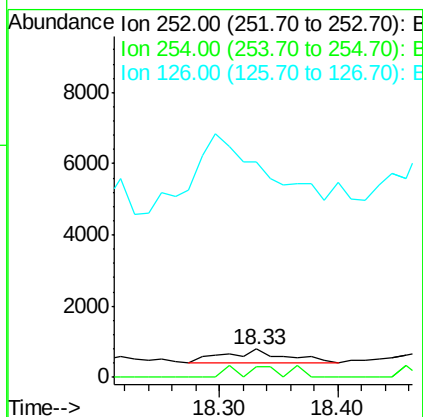
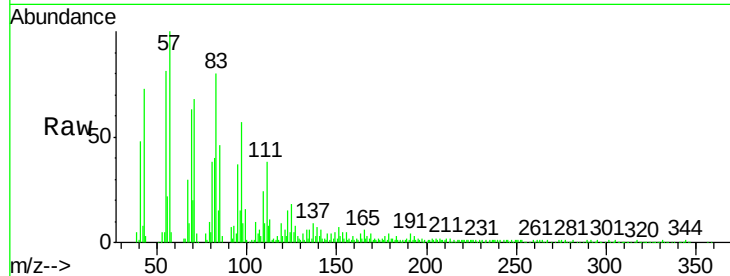




#81
 3,3'-Dichlorobenzidine
 Concen: 0.81 ng
 RT: 18.33 min Scan# 1465
 Delta R.T. -0.03 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

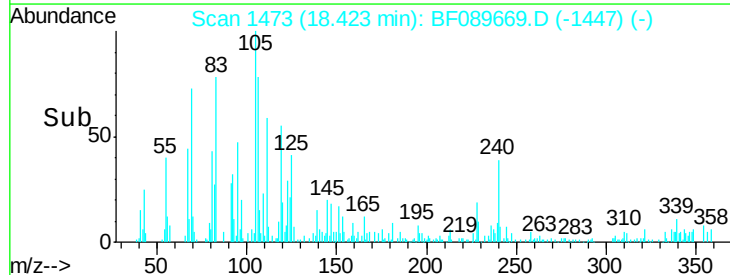
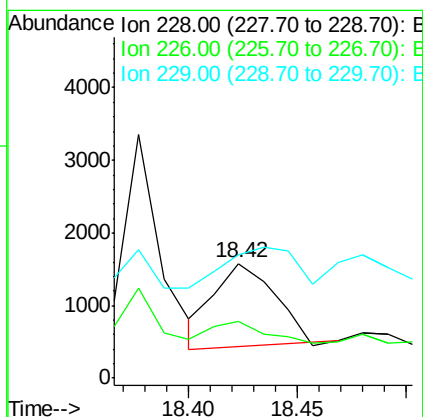
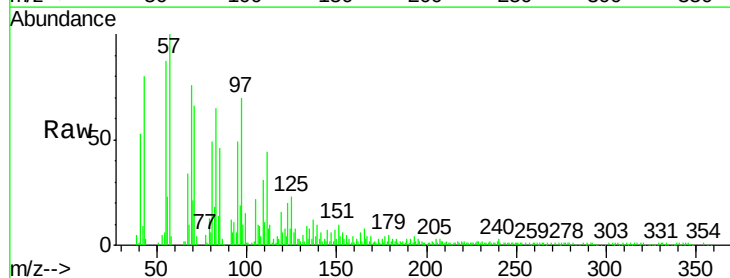
Instrument :
 BNA_F
 ClientSampleId :
 D1-1

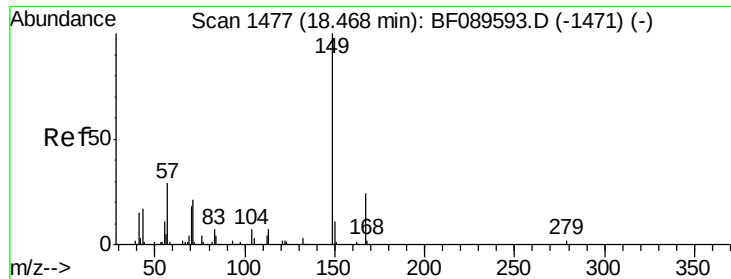
Tgt Ion: 252 Resp: 1260
 Ion Ratio Lower Upper
 252 100
 254 38.9 51.7 77.5#
 126 766.0 11.0 16.4#



#82
 Chrysene
 Concen: 0.43 ng
 RT: 18.42 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

Tgt Ion: 228 Resp: 2205
 Ion Ratio Lower Upper
 228 100
 226 49.6 24.2 36.2#
 229 107.5 16.0 24.0#

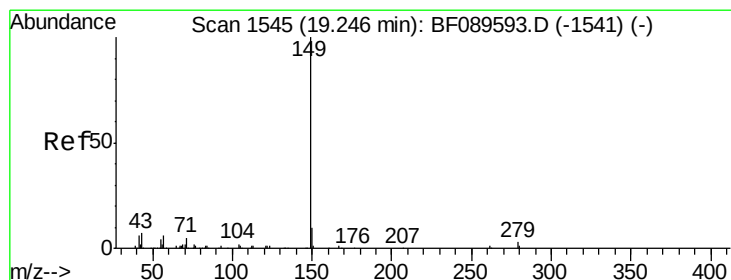
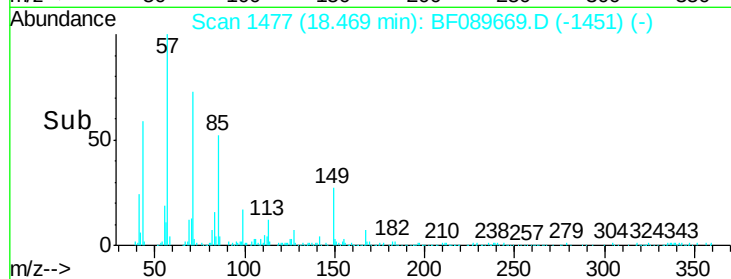
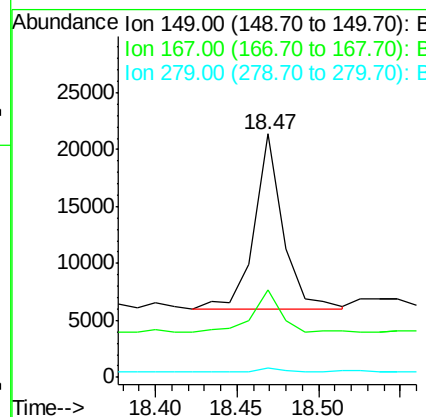
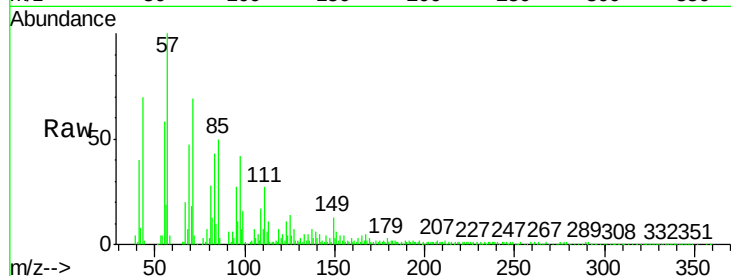




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.26 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

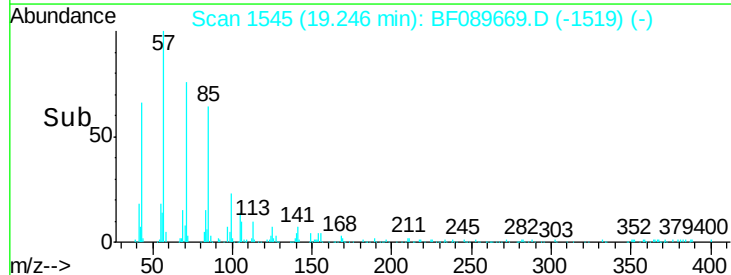
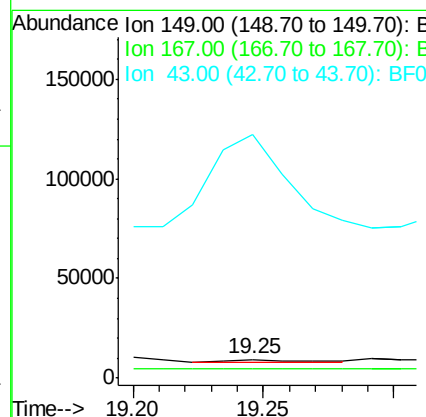
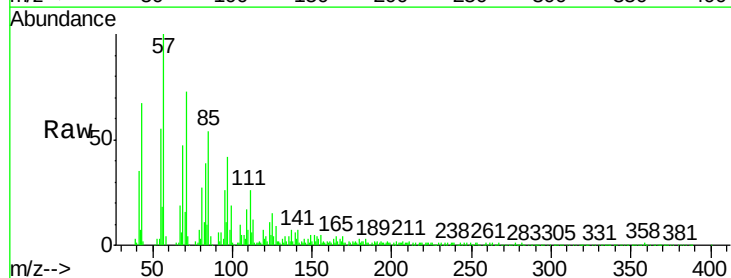
Instrument :
 BNA_F
 ClientSampleId :
 D1-1

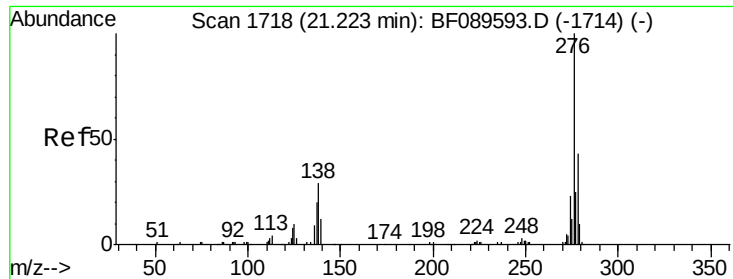
Tgt Ion:149 Resp: 19094
 Ion Ratio Lower Upper
 149 100
 167 35.8 19.0 28.4#
 279 4.0 1.8 2.6#



#84
 Di-n-octyl phthalate
 Concen: 0.33 ng
 RT: 19.25 min Scan# 1545
 Delta R.T. 0.00 min
 Lab File: BF089669.D
 Acq: 8 Aug 2016 19:34

Tgt Ion:149 Resp: 2107
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.1 1.7#
 43 5206.7 7.0 10.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 21.19 min Scan# 1715

Delta R.T. -0.03 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

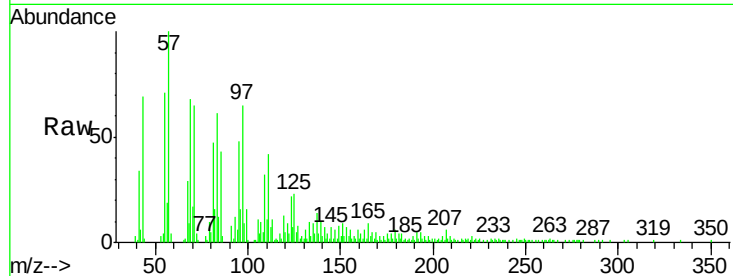
Tgt Ion:276 Resp: 226

Ion Ratio Lower Upper

276 100

138 0.0 23.8 35.8#

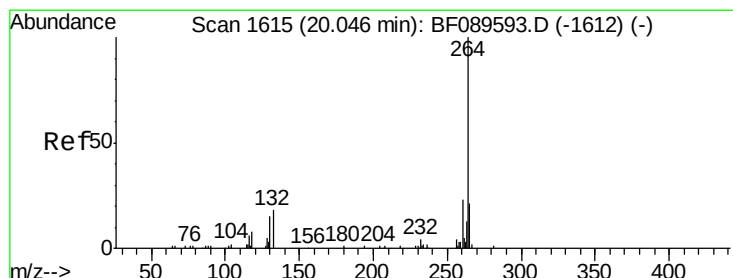
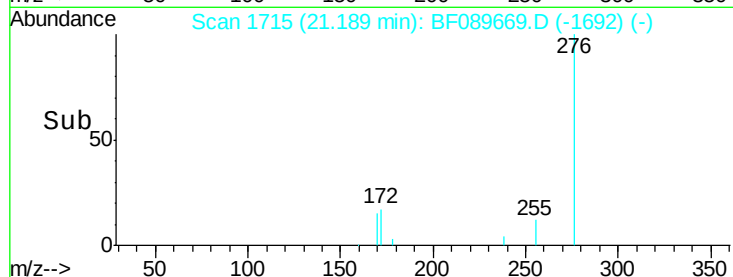
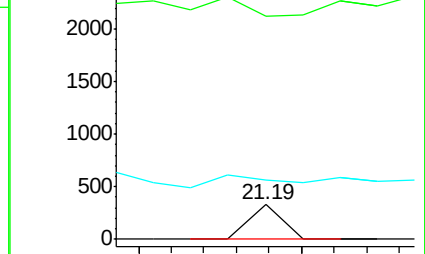
277 71.2 20.3 30.5#



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: 20.06 min Scan# 1616

Delta R.T. 0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

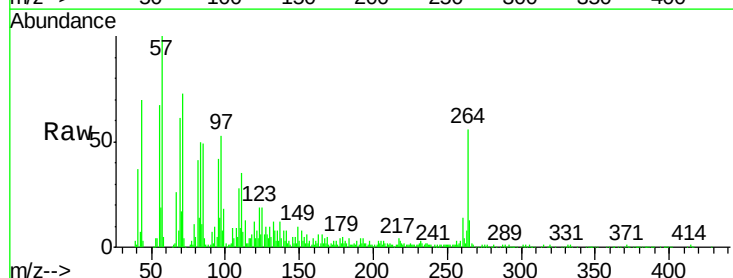
Tgt Ion:264 Resp: 84857

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

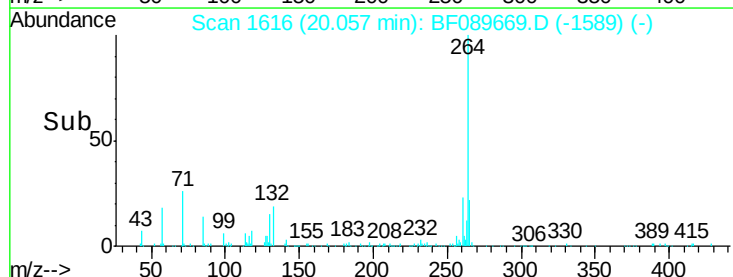
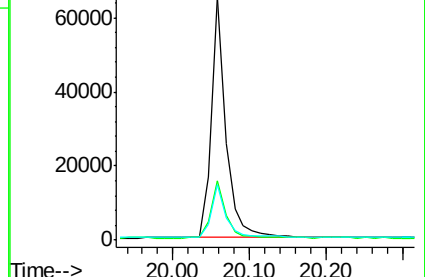
265 22.7 16.5 24.7

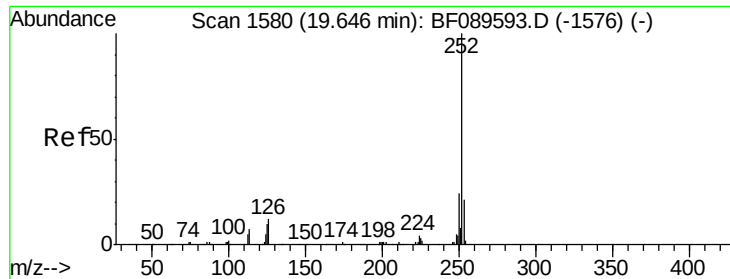


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.66 ng

RT: 19.67 min Scan# 1582

Delta R.T. 0.02 min

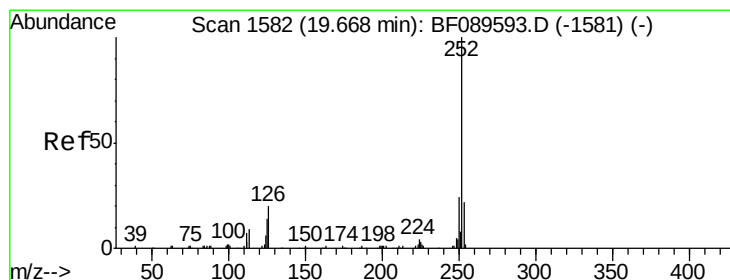
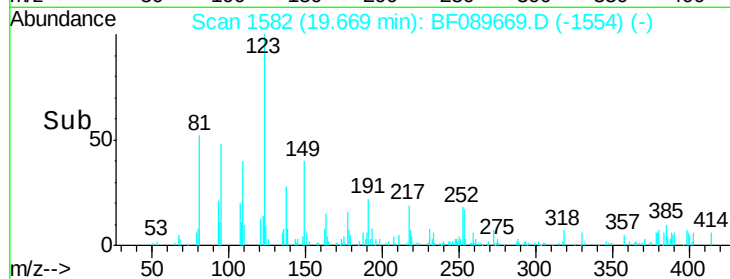
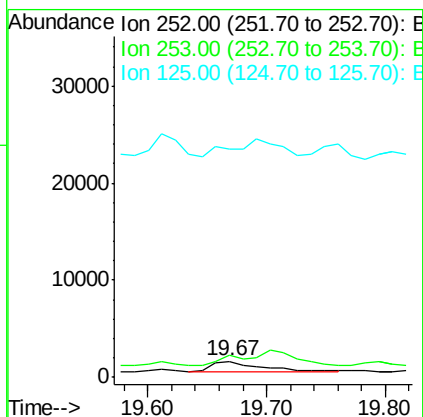
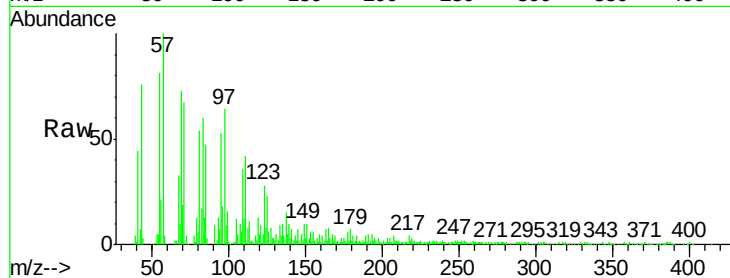
Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :
BNA_F
ClientSampleId :
D1-1

Tgt Ion:252 Resp: 3443

Ion	Ratio	Lower	Upper
252	100		
253	140.2	17.1	25.7#
125	1432.0	7.8	11.8#



#88

Benzo(k)fluoranthene

Concen: 0.65 ng

RT: 19.67 min Scan# 1582

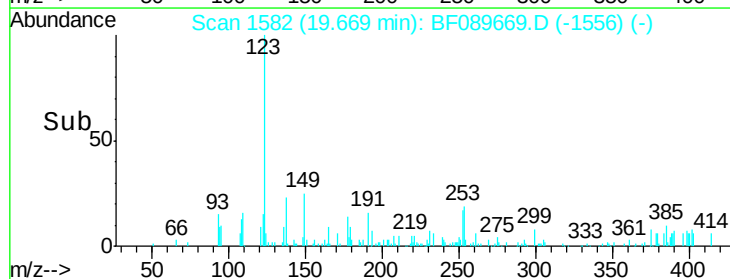
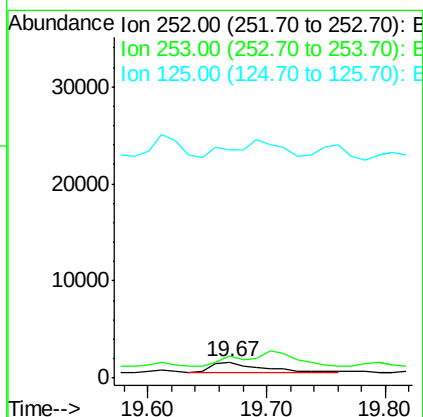
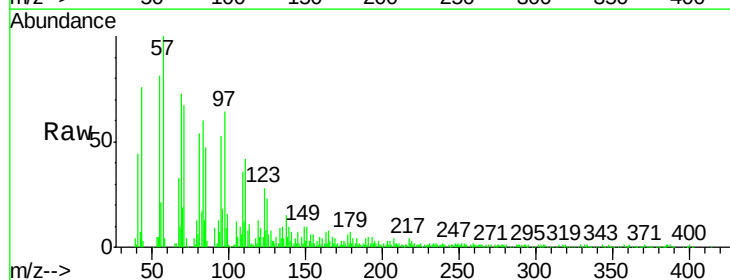
Delta R.T. 0.00 min

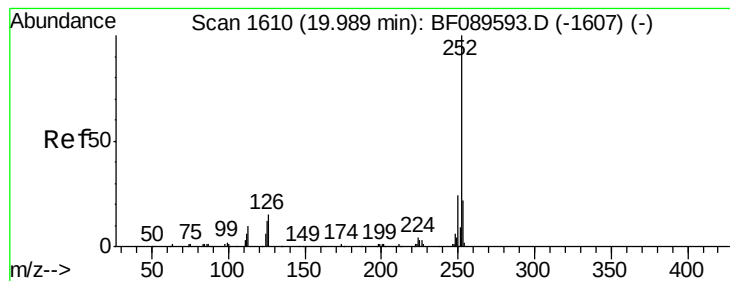
Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Tgt Ion:252 Resp: 3443

Ion	Ratio	Lower	Upper
252	100		
253	140.2	17.3	25.9#
125	1432.0	11.0	16.6#





#89

Benzo(a)pyrene

Concen: 0.25 ng

RT: 20.01 min Scan# 1612

Delta R.T. 0.02 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

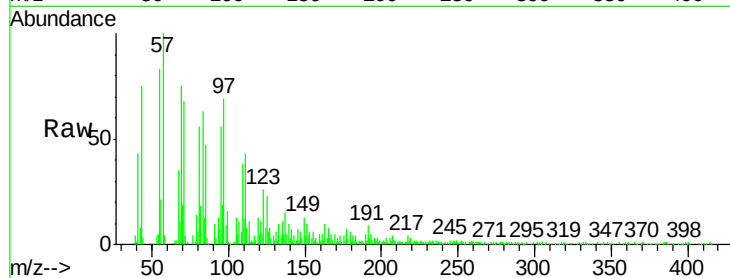
Tgt Ion:252 Resp: 1212

Ion Ratio Lower Upper

252 100

253 87.5 17.4 26.0#

125 1392.3 9.9 14.9#

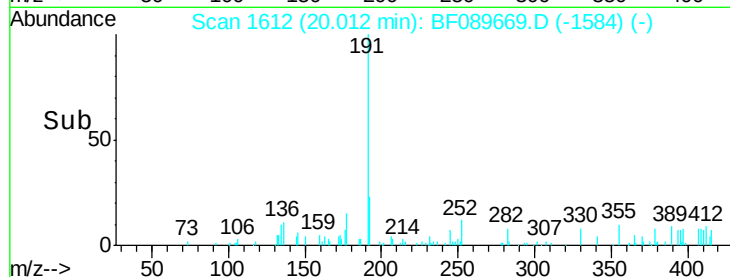


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

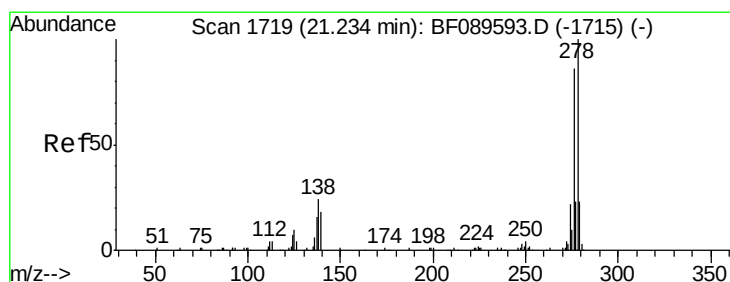
Ion 125.00 (124.70 to 125.70): E

Time-->



Abundance

Time-->



#90

Dibenzo(a,h)anthracene

Concen: 0.16 ng

RT: 21.22 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

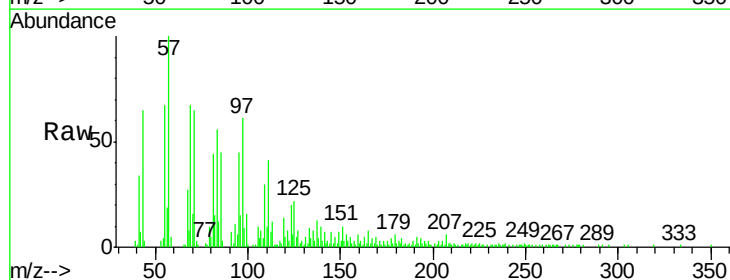
Tgt Ion:278 Resp: 714

Ion Ratio Lower Upper

278 100

139 1311.8 14.6 21.8#

279 97.4 18.4 27.6#

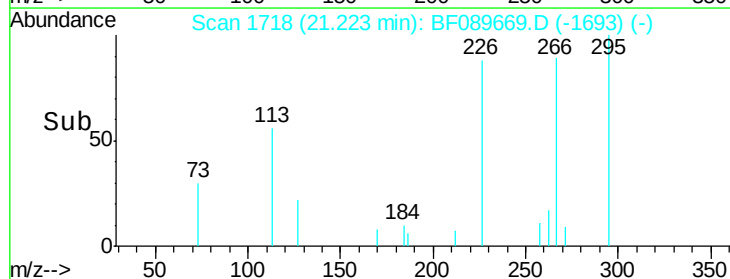


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

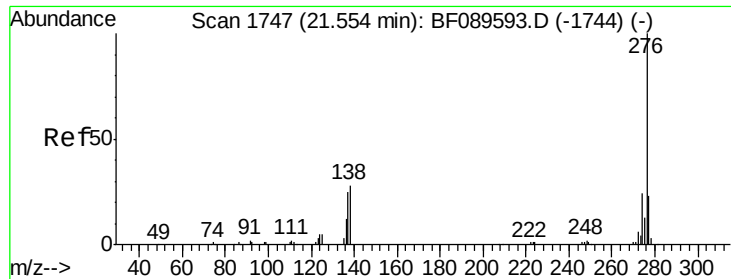
Ion 279.00 (278.70 to 279.70): E

Time-->



Abundance

Time-->



#91

Benzo(g,h,i)perylene

Concen: 0.97 ng

RT: 21.61 min Scan# 1752

Delta R.T. 0.06 min

Lab File: BF089669.D

Acq: 8 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

D1-1

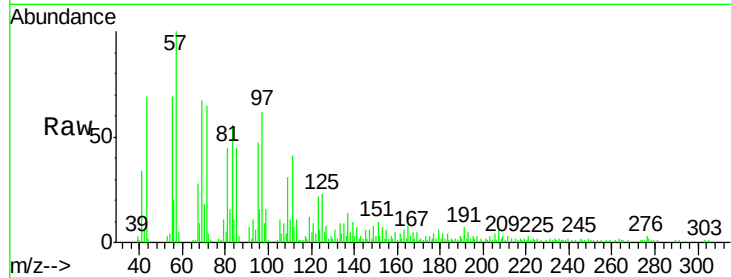
Tgt Ion: 276 Resp: 4542

Ion Ratio Lower Upper

276 100

277 55.9 18.6 28.0#

138 143.0 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

