

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091889.D
 Acq On : 22 Dec 2016 16:41
 Operator : UM/SJ
 Sample : H6182-07
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916

Quant Time: Dec 23 00:38:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	132113	20.00	ng	0.01
21) Naphthalene-d8	8.06	136	559343	20.00	ng	0.02
38) Acenaphthene-d10	9.78	164	33566	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	16773	20.00	ng	-0.03
75) Chrysene-d12	13.96	240	212065	20.00	ng	0.06
86) Perylene-d12	15.36	264	298650	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1483843	187.54	ng	0.06
7) Phenol-d6	6.46	99	1445532	149.64	ng	0.06
23) Nitrobenzene-d5	7.33	82	375916	37.37	ng	0.01
41) 2,4,6-Tribromophenol	10.74	330	84471	304.09	ng	0.16
44) 2-Fluorobiphenyl	9.04	172	30817	6.97	ng	-0.08
78) Terphenyl-d14	12.93	244	409052	46.78	ng	0.08

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.89	42	36172	7.05	ng	# 1
6) Aniline	6.43	93	37120	2.96	ng	# 55
9) Benzaldehyde	6.28	77	38194	5.12	ng	# 12
10) Phenol	6.43	94	29945	2.72	ng	# 1
15) Benzyl Alcohol	6.94	79	38002	5.06	ng	# 54
17) 2-Methylphenol	6.92	107	103212	14.26	ng	# 1
18) Hexachloroethane	7.34	117	2049971	565.42	ng	# 44
19) n-Nitroso-di-n-propylamine	7.20	70	110703	17.23	ng	# 85
20) 3+4-Methylphenols	7.23	107	36176	4.19	ng	# 1
22) Acetophenone	7.10	105	710916	51.53	ng	# 55
24) Nitrobenzene	7.31	77	287775	26.86	ng	# 22
25) Isophorone	7.58	82	347969	18.75	ng	# 1
26) 2-Nitrophenol	7.62	139	22100	4.18	ng	# 1
27) 2,4-Dimethylphenol	7.71	122	205117	23.41	ng	# 1
28) bis(2-Chloroethoxy)methane	8.00	93	270190	24.01	ng	# 1
29) 2,4-Dichlorophenol	8.03	162	289746	39.05	ng	# 20
30) 1,2,4-Trichlorobenzene	8.04	180	81074	9.97	ng	# 1
31) Naphthalene	8.12	128	1023843	39.99	ng	# 1
32) Benzoic acid	7.98	122	44884	6.91	ng	# 1
33) 4-Chloroaniline	8.16	127	234094	20.28	ng	# 1
35) Caprolactam	8.61	113	635378	260.57	ng	# 1
36) 4-Chloro-3-methylphenol	8.66	107	366803	42.96	ng	# 37
37) 2-Methylnaphthalene	8.84	142	84639	3.79	ng	# 1
42) 2,4,6-Trichlorophenol	9.00	196	45667	77.00	ng	# 13
43) 2,4,5-Trichlorophenol	9.00	196	45667	74.82	ng	# 1
45) 1,1'-Biphenyl	9.30	154	12985	5.65	ng	# 1
47) 2-Nitroaniline	9.29	65	51678	79.75	ng	# 62
48) Acenaphthylene	9.55	152	442769	158.18	ng	# 1
49) Dimethylphthalate	9.41	163	47534	22.14	ng	# 16
50) 2,6-Dinitrotoluene	9.53	165	24624	52.40	ng	# 64
51) Acenaphthene	9.74	154	69541	36.64	ng	# 1
52) 3-Nitroaniline	9.77	138	40616	69.85	ng	# 65
53) 2,4-Dinitrophenol	9.90	184	5333	20.40	ng	# 1
54) Dibenzofuran	9.94	168	172384	67.26	ng	# 1

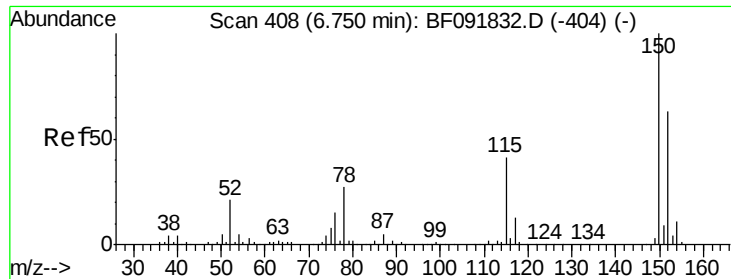
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 4-Nitrophenol	10.06	139	225184	570.32	ng	# 1
56) 2,4-Dinitrotoluene	9.79	165	87947	149.12	ng	# 62
57) Fluorene	10.50	166	474459	254.46	ng	# 14
58) 2,3,4,6-Tetrachlorophenol	10.02	232	14353	29.73	ng	# 35
59) Diethylphthalate	10.25	149	28669	13.75	ng	# 1
60) 4-Chlorophenyl-phenylether	10.32	204	181841	222.73	ng	# 1
61) 4-Nitroaniline	10.38	138	123721	205.31	ng	# 68
62) Azobenzene	10.64	77	126847	55.26	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.30	198	8251	81.35	ng	# 1
65) n-Nitrosodiphenylamine	10.36	169	295155	593.02	ng	# 48
66) 4-Bromophenyl-phenylether	10.74	248	7381	42.30	ng	# 1
68) Atrazine	10.93	200	15024	93.58	ng	# 1
69) Pentachlorophenol	11.06	266	40120	438.42	ng	# 54
70) Phenanthrene	11.25	178	36889	40.56	ng	# 1
71) Anthracene	11.25	178	36889	46.14	ng	# 1
72) Carbazole	11.49	167	152493	Below Cal		# 1
73) Di-n-butylphthalate	11.79	149	24279	26.49	ng	# 3
74) Fluoranthene	12.44	202	133480	178.64	ng	# 1
77) Pyrene	12.81	202	451894	29.04	ng	# 80
79) Butylbenzylphthalate	13.42	149	17373	2.46	ng	# 1
80) Benzo(a)anthracene	13.99	228	256253	21.41	ng	# 19
82) Chrysene	13.99	228	256253	21.34	ng	# 27
83) Bis(2-ethylhexyl)phthalate	13.93	149	19510	2.34	ng	# 26
89) Benzo(a)pyrene	15.30	252	34067	2.06	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091889.D

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Instrument :

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ClientSampleId :

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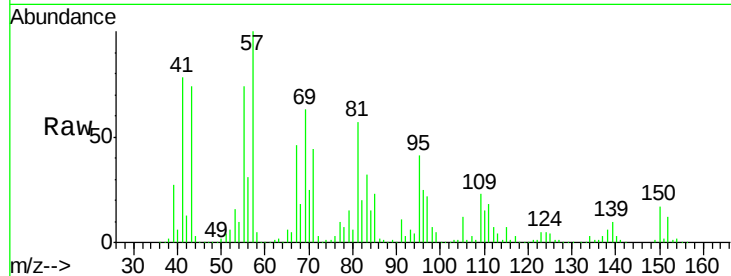
Tgt Ion:152 Resp: 132113

Ion Ratio Lower Upper

152 100

150 148.3 124.9 187.3

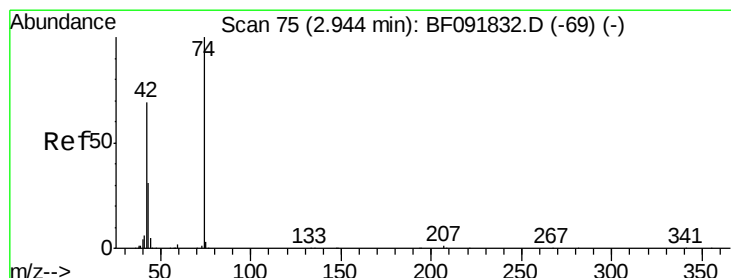
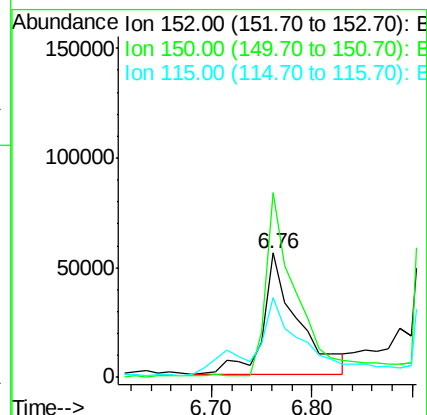
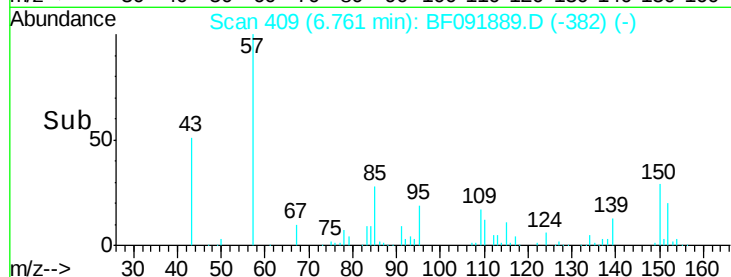
115 64.2 46.0 69.0



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



#4

n-Nitrosodimethylamine

Concen: 7.05 ng

RT: 2.89 min Scan# 70

Delta R.T. -0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

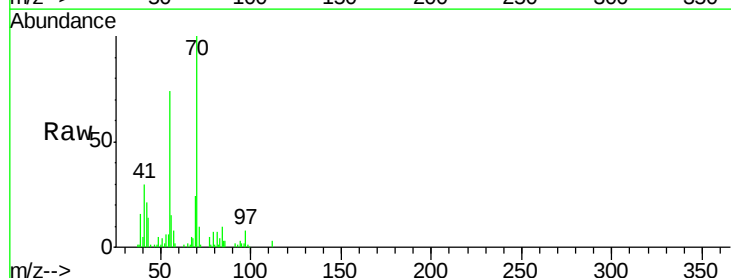
Tgt Ion: 42 Resp: 36172

Ion Ratio Lower Upper

42 100

74 0.0 117.0 175.4#

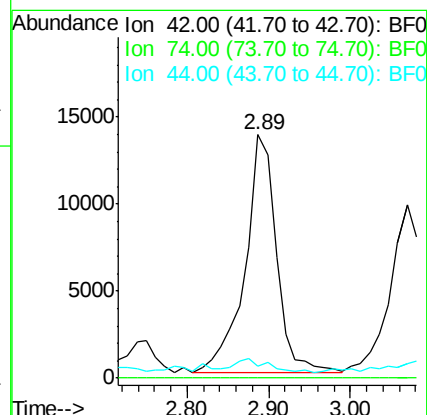
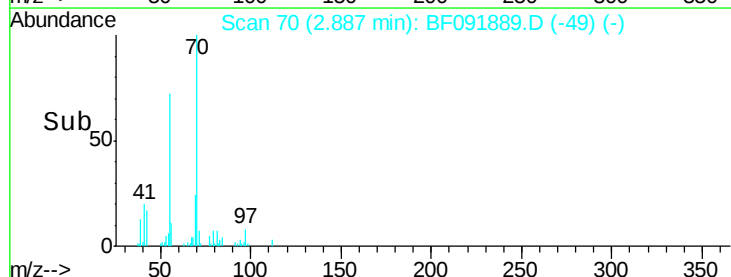
44 4.7 5.5 8.3#

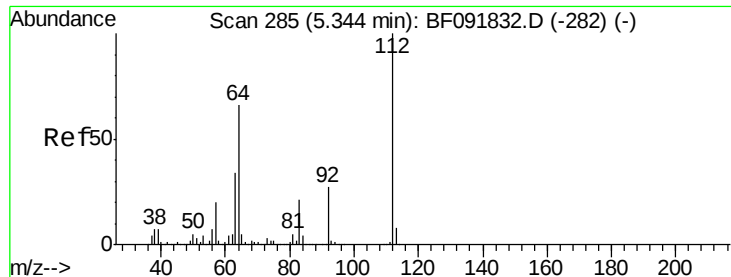


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 187.54 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

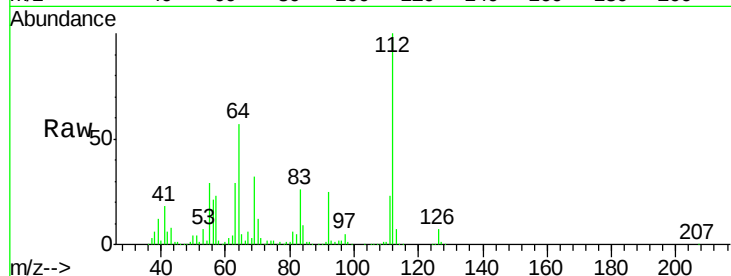
Tgt Ion:112 Resp: 1483843

Ion Ratio Lower Upper

112 100

64 56.9 46.1 69.1

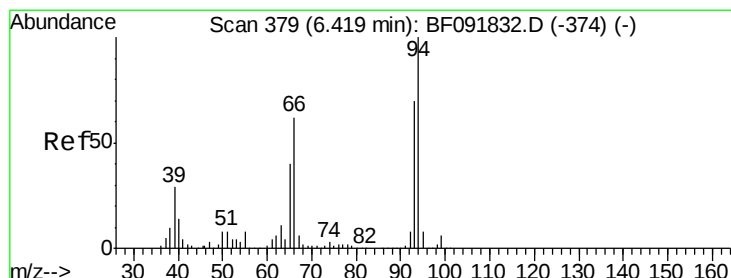
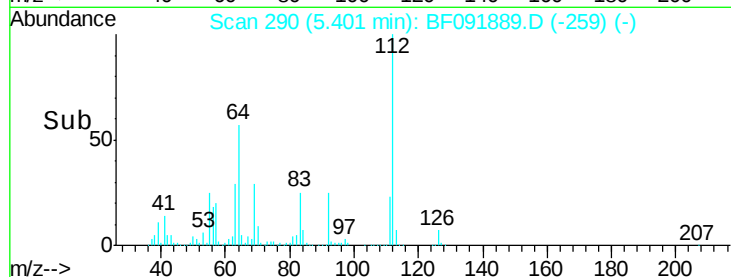
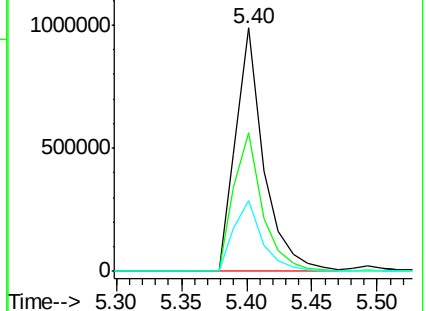
63 29.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 2.96 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

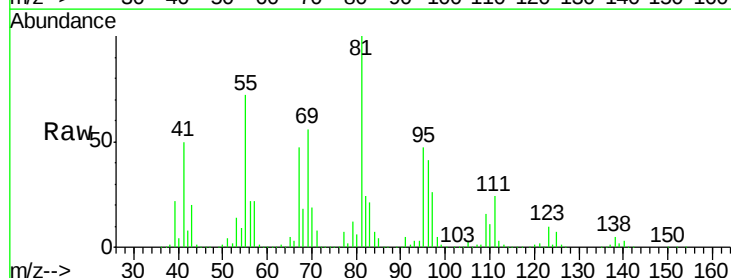
Tgt Ion: 93 Resp: 37120

Ion Ratio Lower Upper

93 100

66 98.0 76.2 114.2

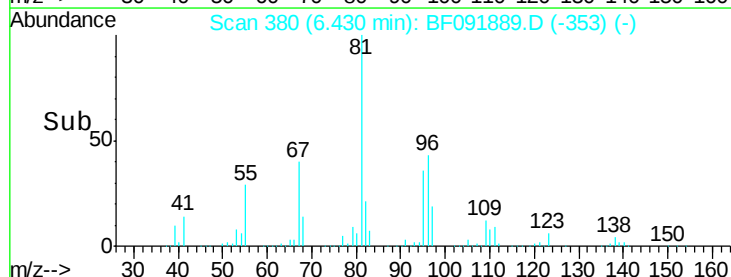
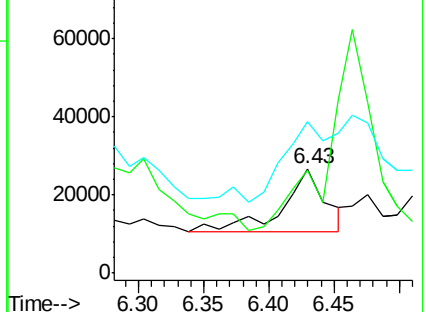
65 145.3 49.3 73.9#

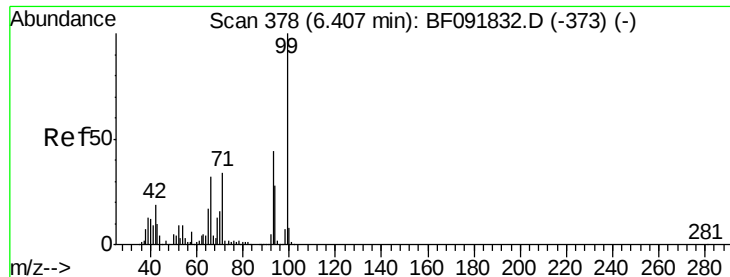


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 149.64 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

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ClientSampleId :

SB-52(6-8)-121916

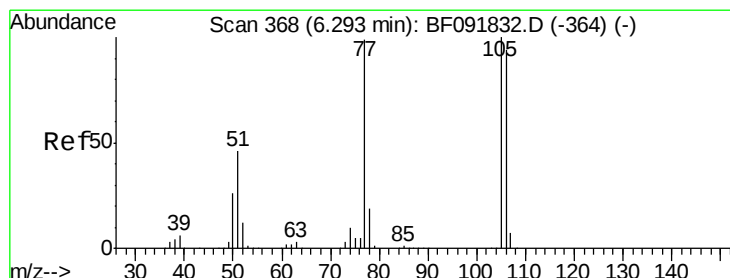
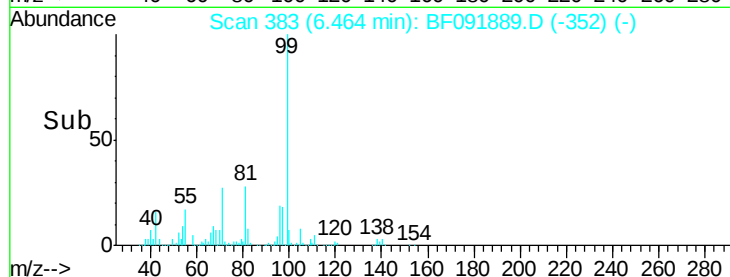
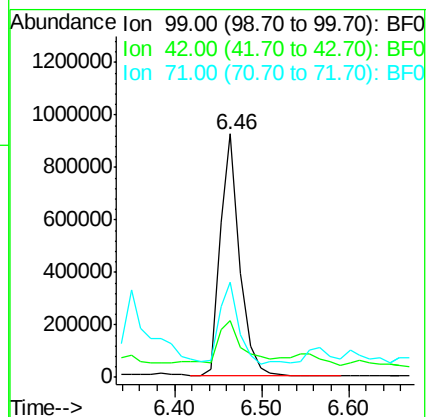
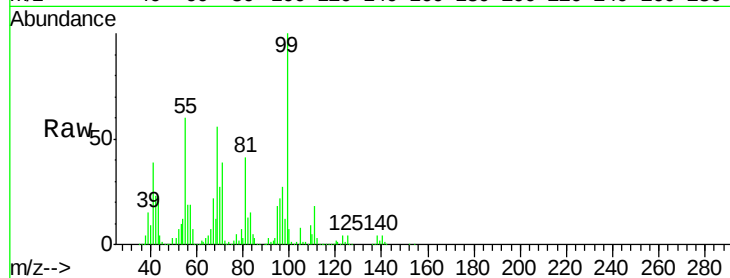
Tgt Ion: 99 Resp: 1445532

Ion Ratio Lower Upper

99 100

42 23.2 15.6 23.4

71 38.9 27.5 41.3



#9

Benzaldehyde

Concen: 5.12 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

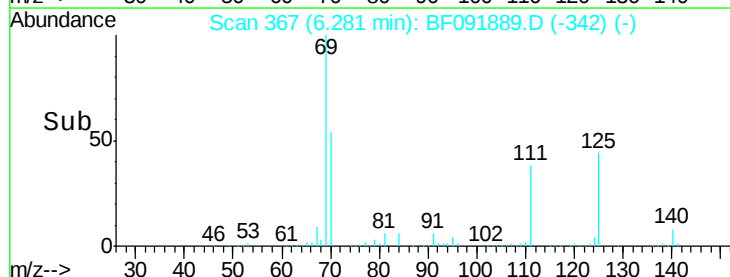
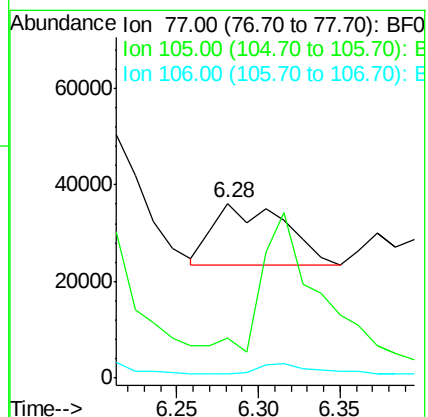
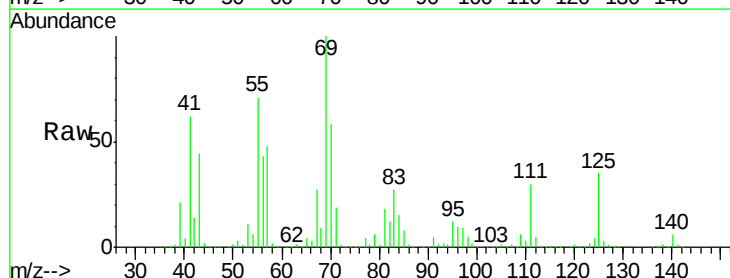
Tgt Ion: 77 Resp: 38194

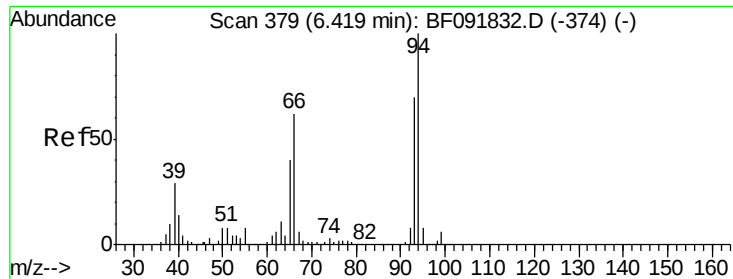
Ion Ratio Lower Upper

77 100

105 22.9 83.9 123.9#

106 2.5 77.6 117.6#





#10

Phenol

Concen: 2.72 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

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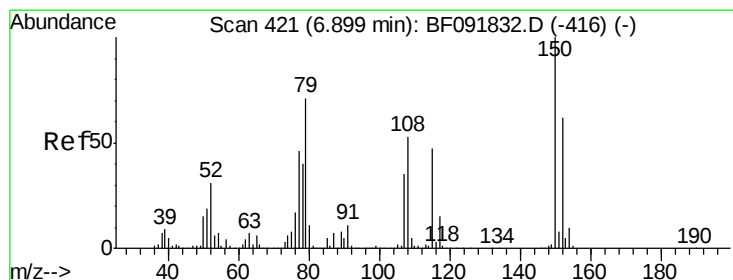
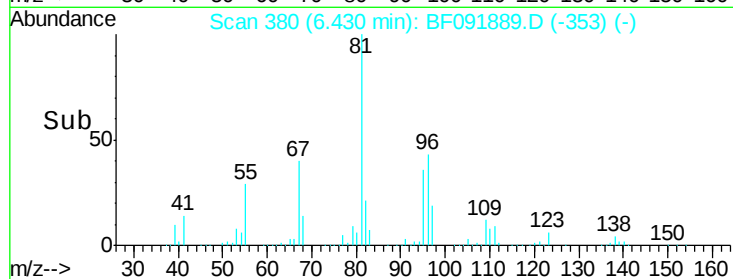
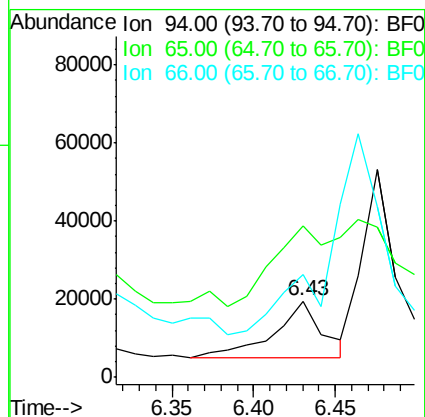
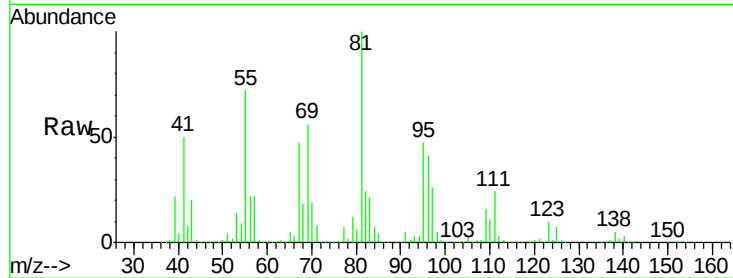
Tgt Ion: 94 Resp: 29945

Ion Ratio Lower Upper

94 100

65 199.4 21.4 61.4#

66 134.5 44.0 84.0#



#15

Benzyl Alcohol

Concen: 5.06 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.05 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

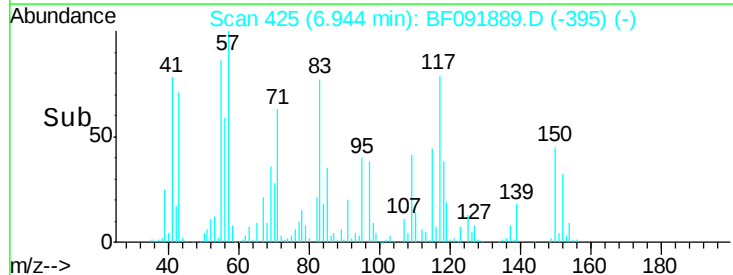
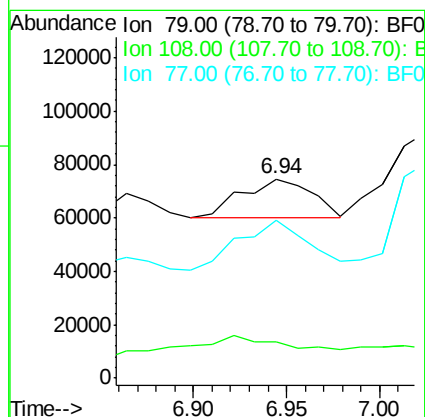
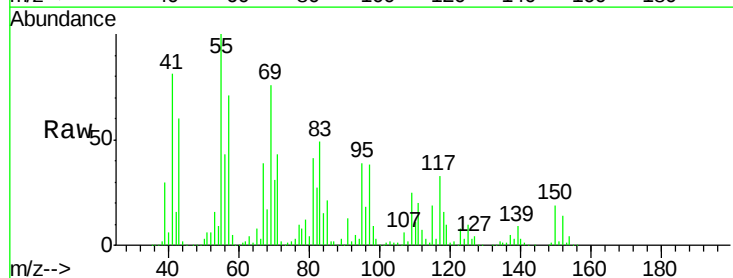
Tgt Ion: 79 Resp: 38002

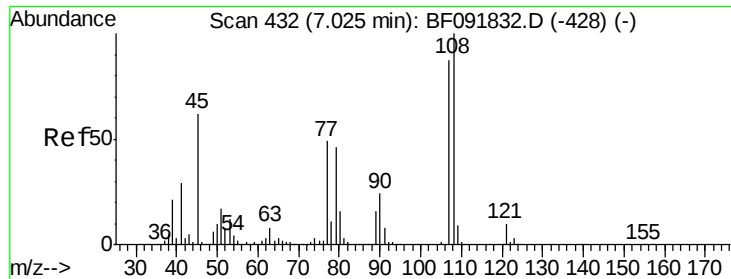
Ion Ratio Lower Upper

79 100

108 18.0 61.4 92.0#

77 79.2 50.9 76.3#





#17

2-Methylphenol

Concen: 14.26 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.10 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

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Tgt Ion:107 Resp: 103212

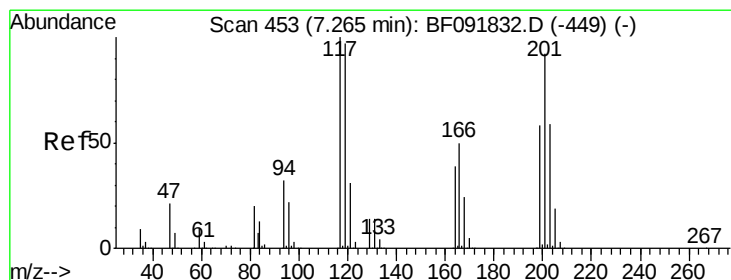
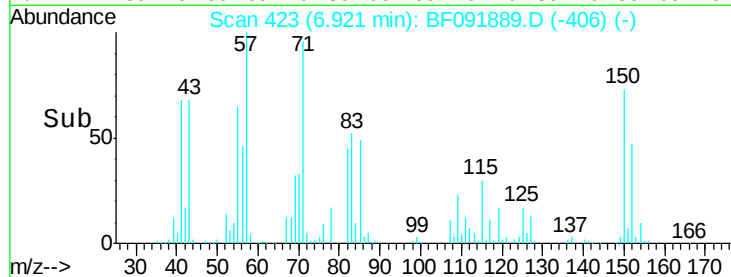
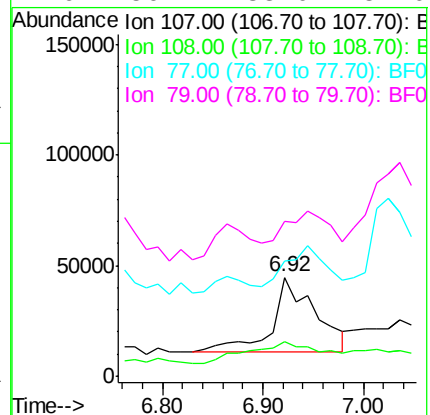
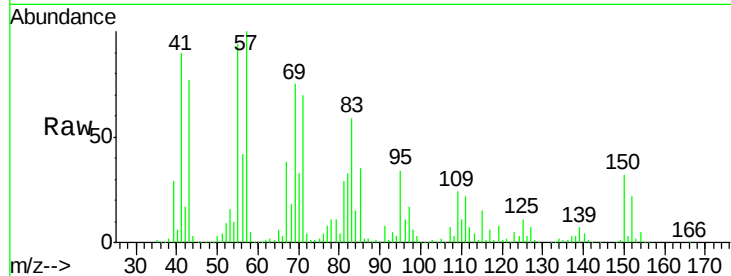
Ion Ratio Lower Upper

107 100

108 35.4 93.0 139.6#

77 116.9 39.8 59.8#

79 156.2 38.0 57.0#



#18

Hexachloroethane

Concen: 565.42 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.08 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

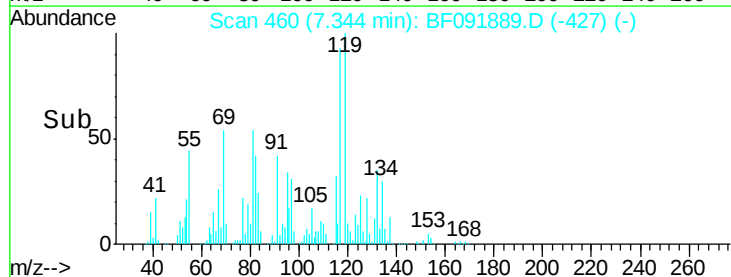
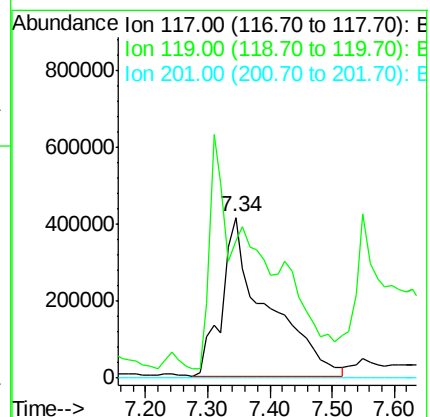
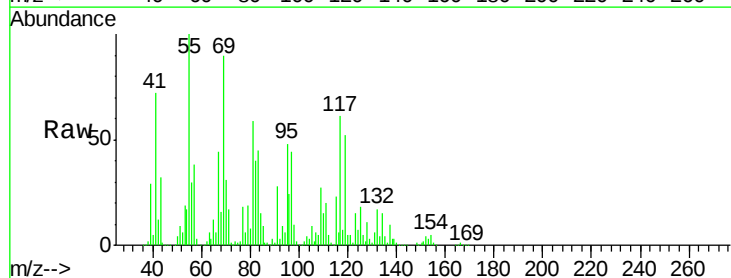
Tgt Ion:117 Resp: 2049971

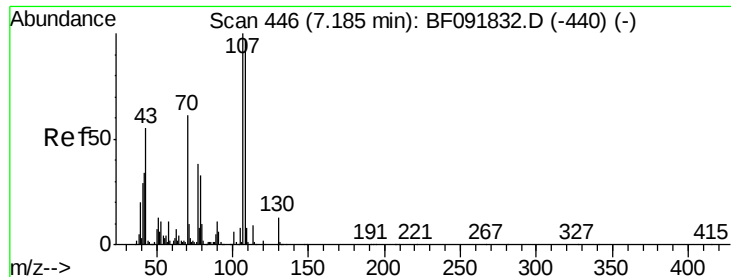
Ion Ratio Lower Upper

117 100

119 85.4 78.1 117.1

201 0.0 78.6 117.8#

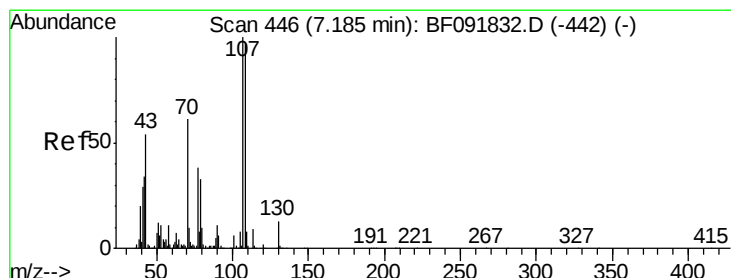
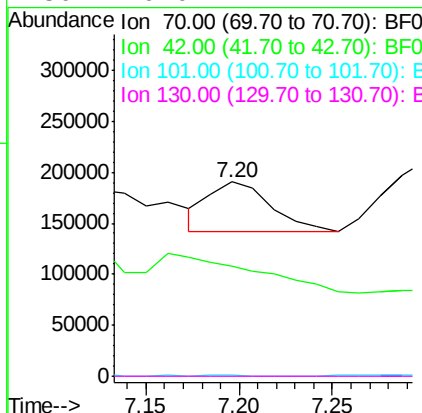
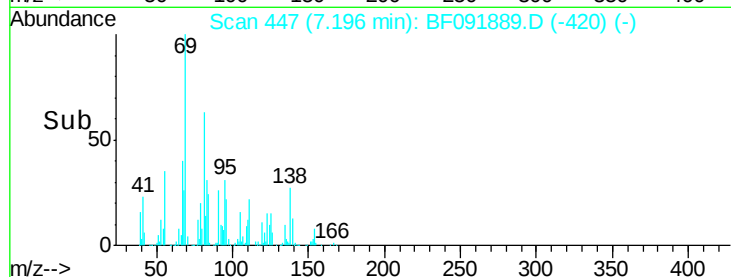
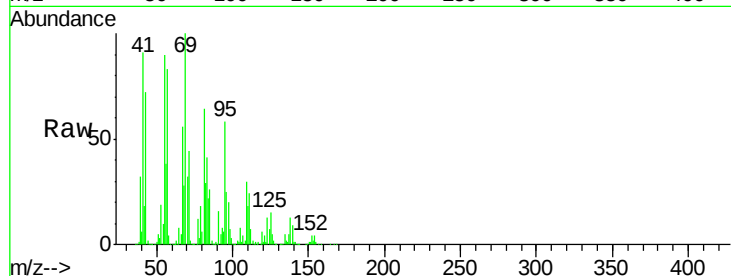




#19
n-Nitroso-di-n-propylamine
Concen: 17.23 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.01 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

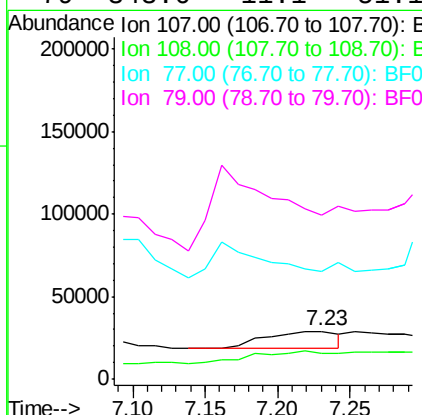
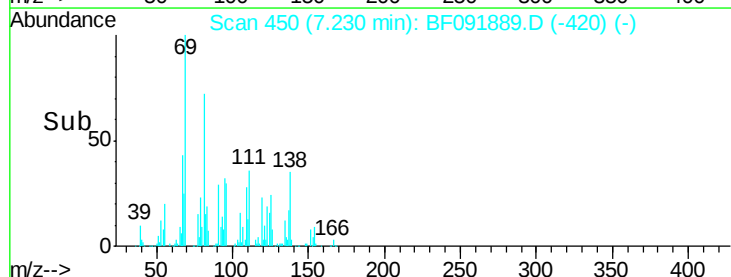
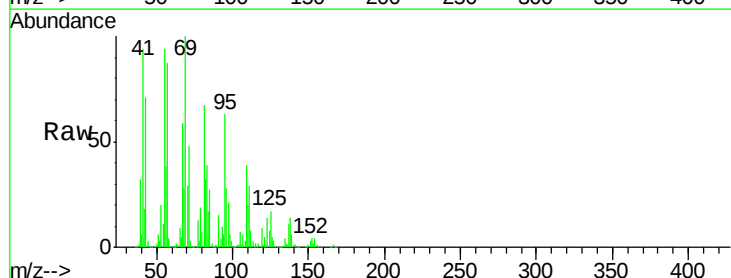
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

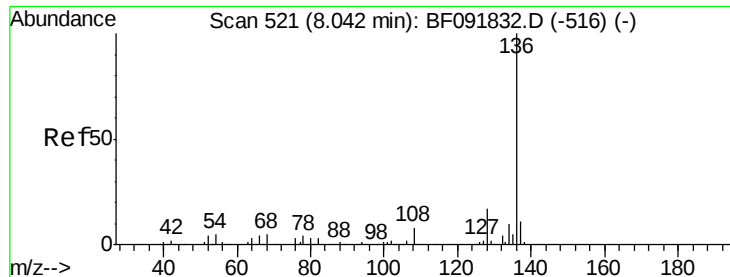
Tgt Ion: 70 Resp: 110703
Ion Ratio Lower Upper
70 100
42 56.4 49.4 74.0
101 0.4 7.4 11.2#
130 0.0 14.2 21.4#



#20
3+4-Methylphenols
Concen: 4.19 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.05 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion: 107 Resp: 36176
Ion Ratio Lower Upper
107 100
108 54.5 73.0 113.0#
77 225.5 71.3 111.3#
79 343.6 11.1 51.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.02 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

Tgt Ion:136 Resp: 559343

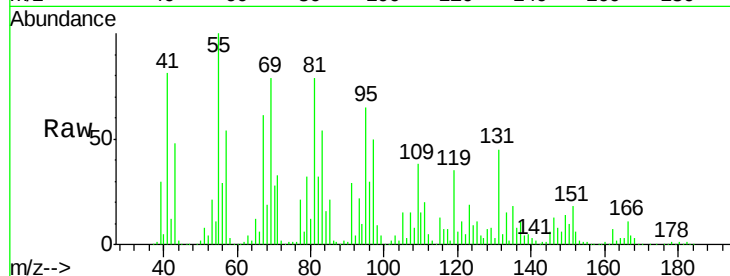
Ion Ratio Lower Upper

136 100

137 142.7 8.4 12.6#

54 139.4 4.5 6.7#

68 237.2 3.6 5.4#

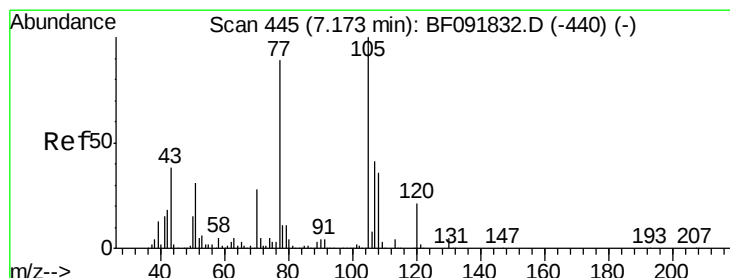
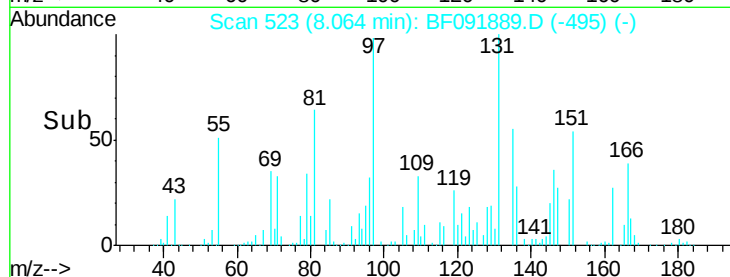
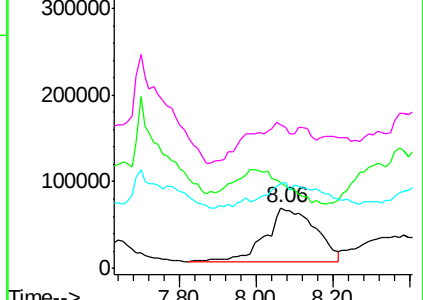


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.53 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.07 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Tgt Ion:105 Resp: 710916

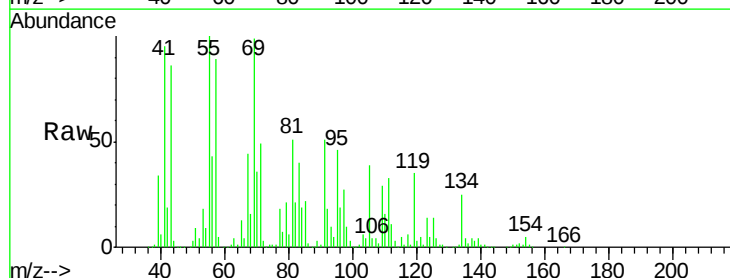
Ion Ratio Lower Upper

105 100

71 125.8 3.2 4.8#

51 22.8 26.2 39.4#

120 8.9 16.6 24.8#

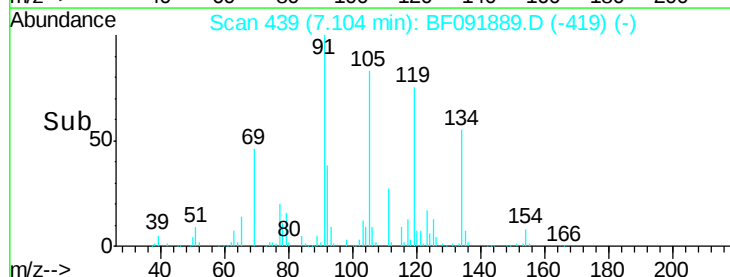
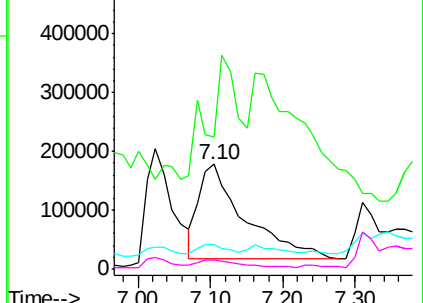


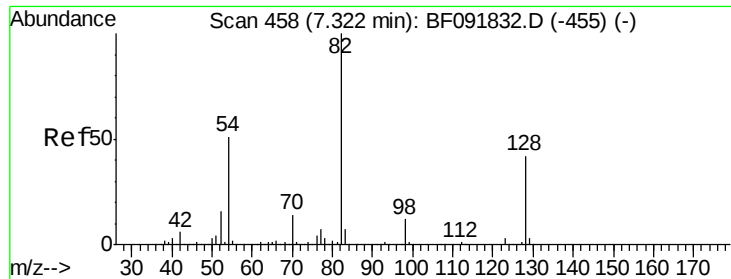
Abundance Ion 105.00 (104.70 to 105.70): E

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

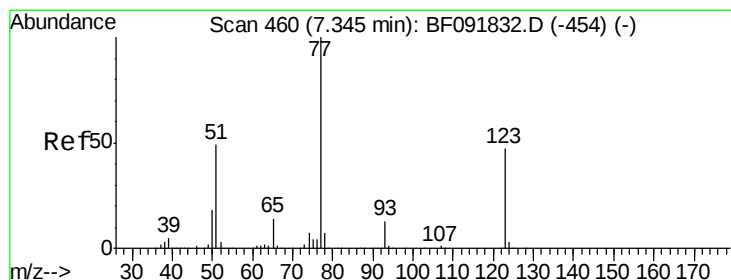
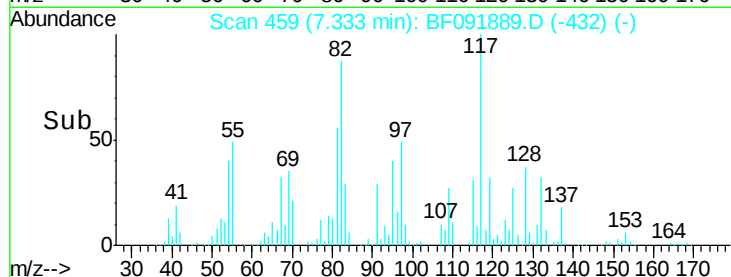
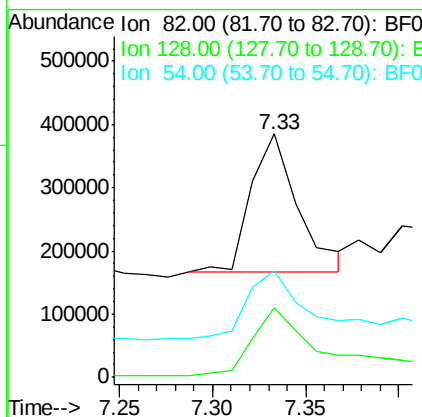
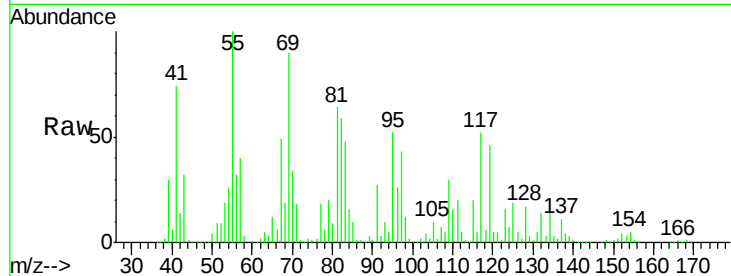




#23
 Nitrobenzene-d5
 Concen: 37.37 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

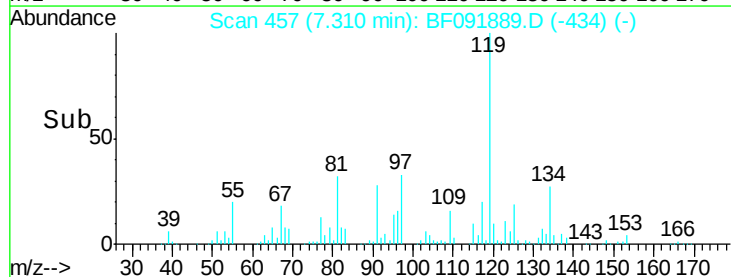
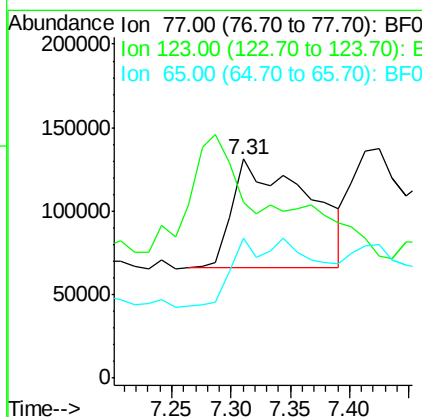
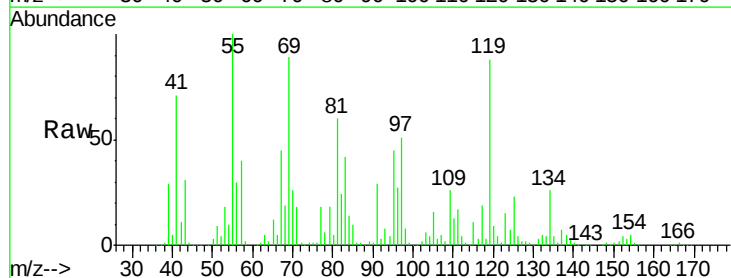
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916

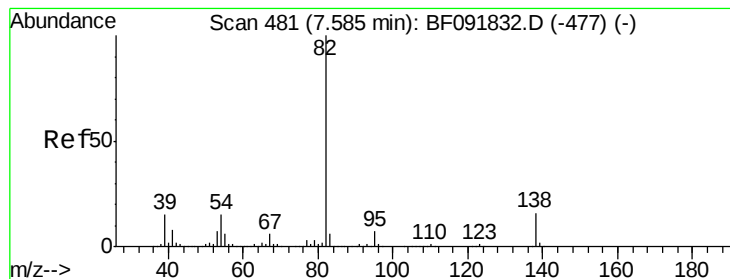
Tgt Ion: 82 Resp: 375916
 Ion Ratio Lower Upper
 82 100
 128 28.5 34.6 52.0#
 54 44.0 39.5 59.3



#24
 Nitrobenzene
 Concen: 26.86 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

Tgt Ion: 77 Resp: 287775
 Ion Ratio Lower Upper
 77 100
 123 80.1 33.0 49.4#
 65 64.1 11.2 16.8#





#25

Isophorone

Concen: 18.75 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

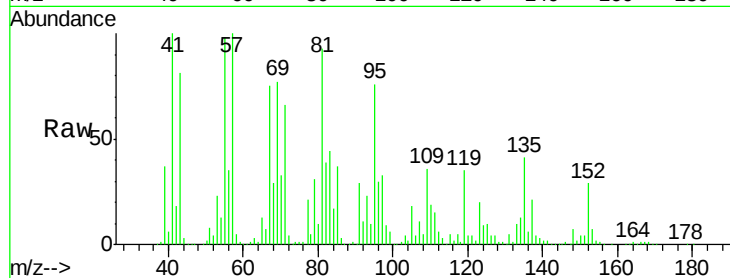
Tgt Ion: 82 Resp: 347969

Ion Ratio Lower Upper

82 100

95 194.4 5.6 8.4#

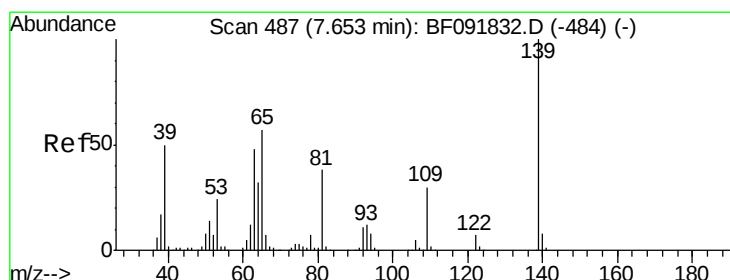
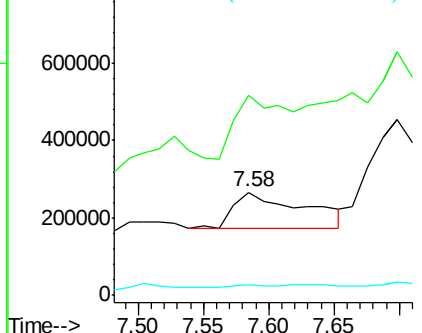
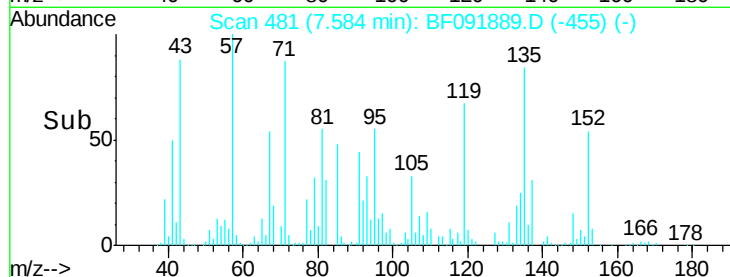
138 10.3 14.6 22.0#



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



#26

2-Nitrophenol

Concen: 4.18 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.03 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

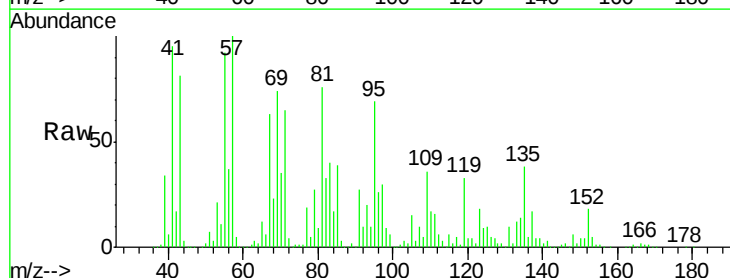
Tgt Ion: 139 Resp: 22100

Ion Ratio Lower Upper

139 100

109 819.1 23.3 34.9#

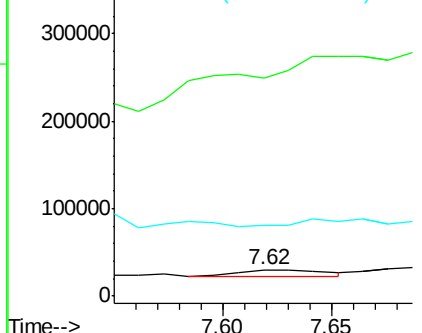
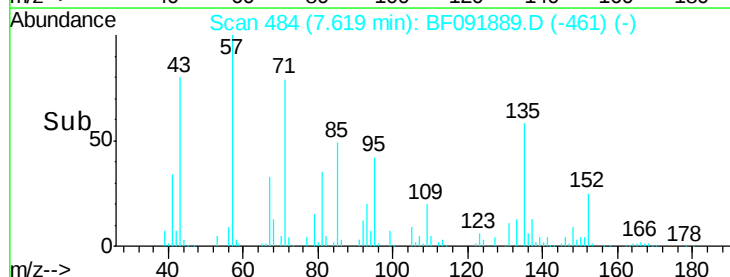
65 265.5 42.7 64.1#

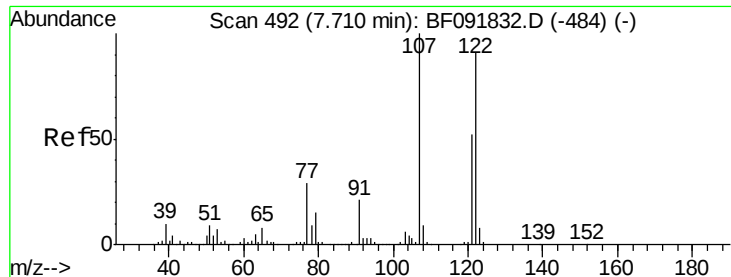


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 23.41 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

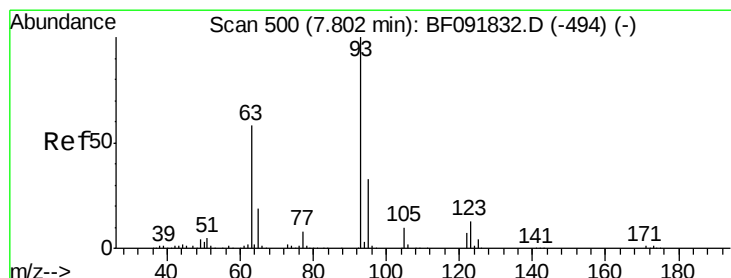
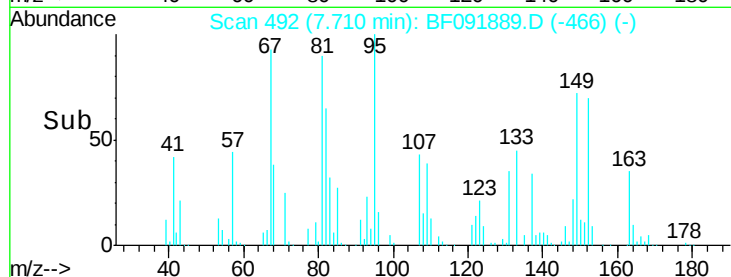
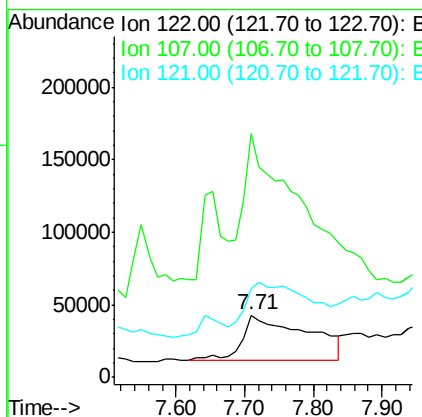
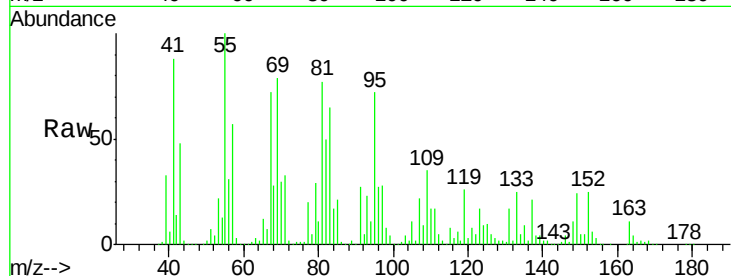
Tgt Ion:122 Resp: 205117

Ion Ratio Lower Upper

122 100

107 392.8 94.1 141.1#

121 143.9 46.0 69.0#



#28

bis(2-Chloroethoxy)methane

Concen: 24.01 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.19 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

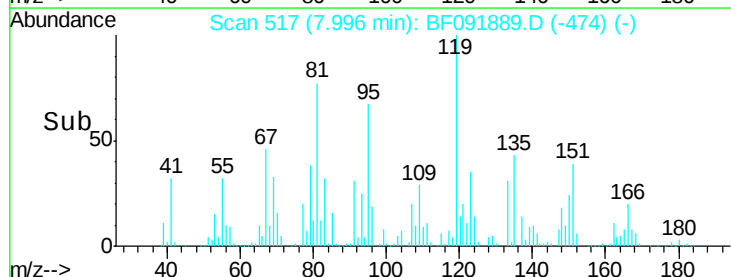
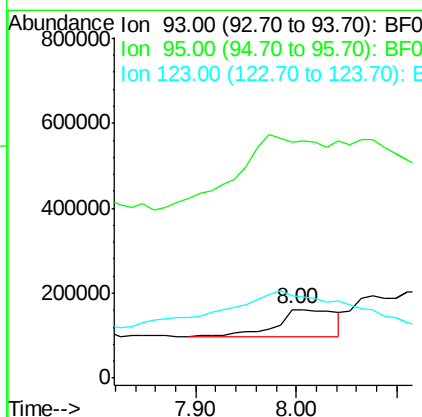
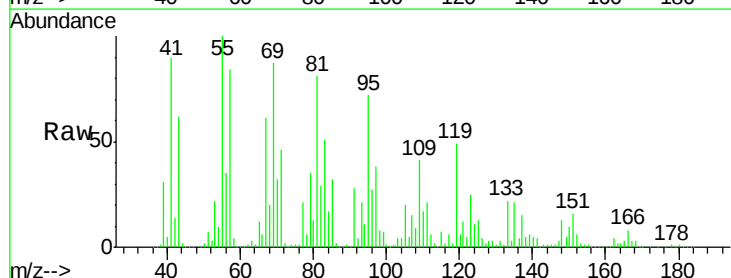
Tgt Ion: 93 Resp: 270190

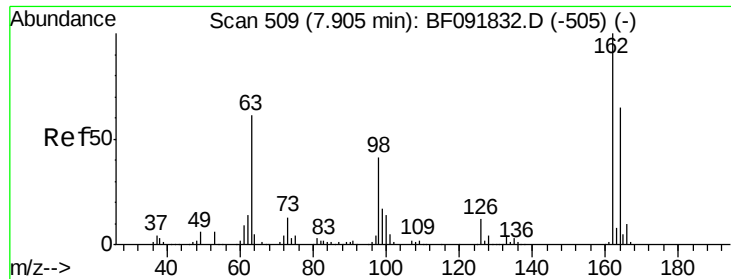
Ion Ratio Lower Upper

93 100

95 343.6 26.5 39.7#

123 119.8 8.6 13.0#





#29

2,4-Dichlorophenol

Concen: 39.05 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.13 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

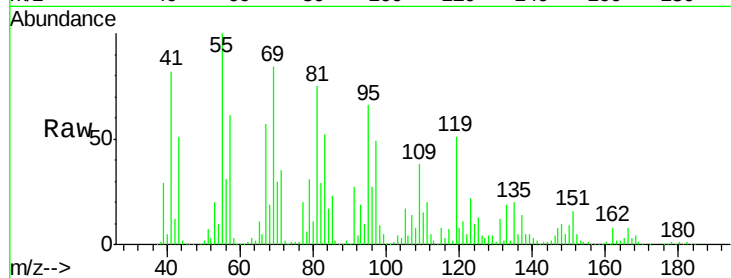
Tgt Ion:162 Resp: 289746

Ion Ratio Lower Upper

162 100

164 30.8 46.8 86.8#

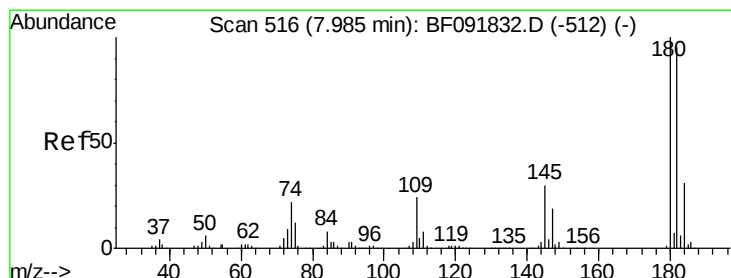
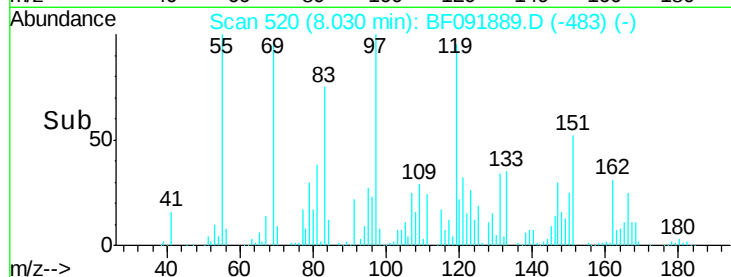
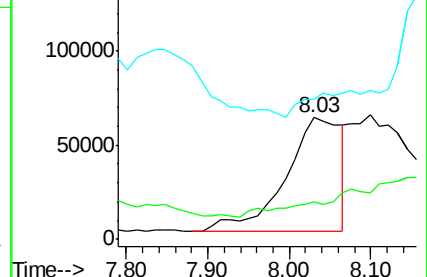
98 115.6 9.1 49.1#



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



#30

1,2,4-Trichlorobenzene

Concen: 9.97 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

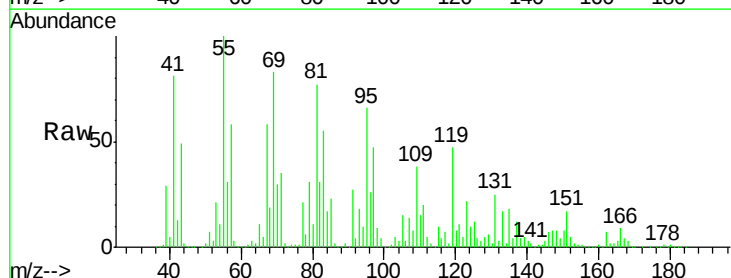
Tgt Ion:180 Resp: 81074

Ion Ratio Lower Upper

180 100

182 51.2 78.2 117.4#

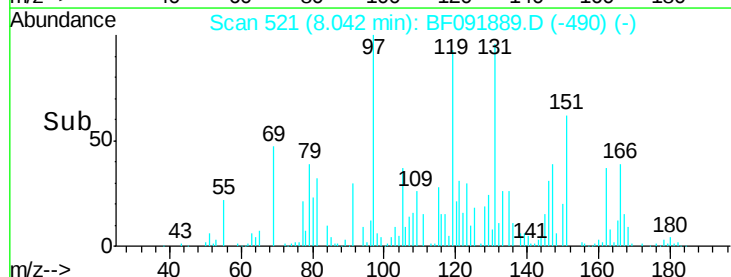
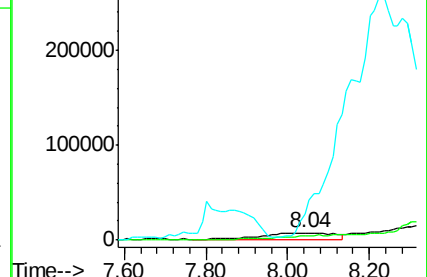
145 348.7 21.6 32.4#

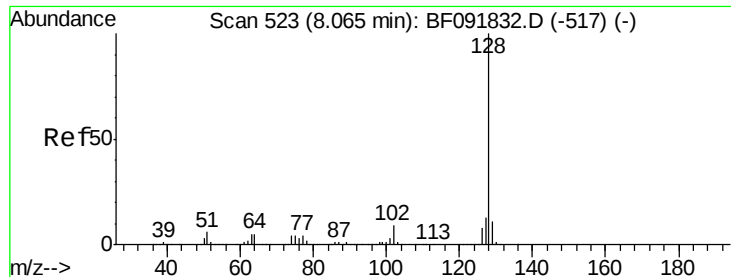


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

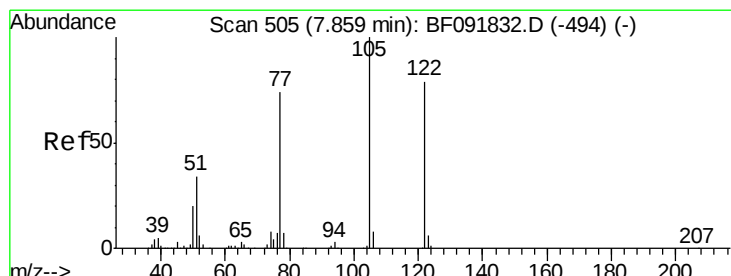
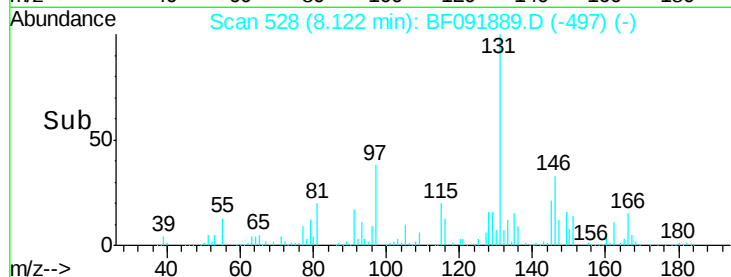
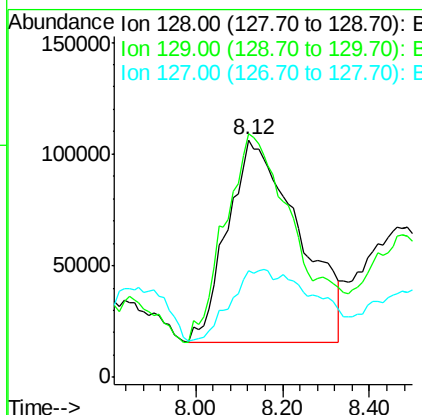
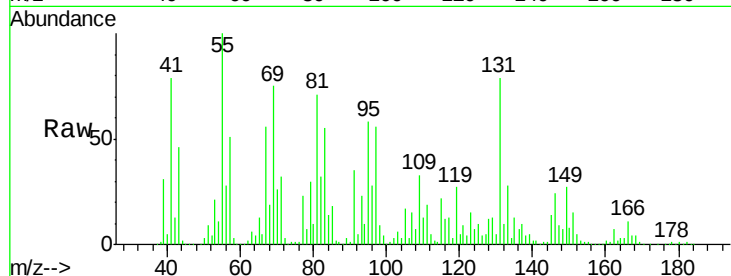




#31
Naphthalene
Concen: 39.99 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.06 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

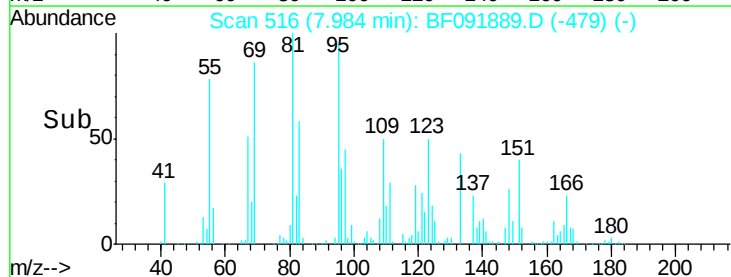
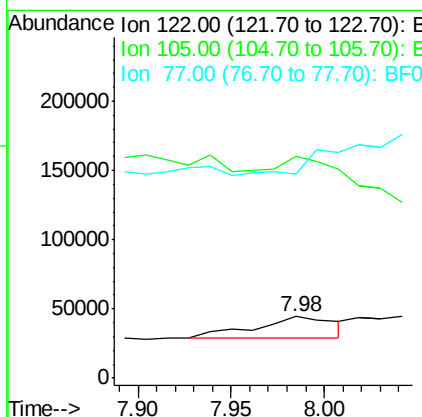
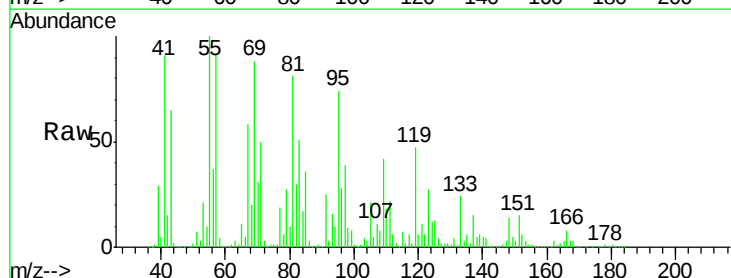
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

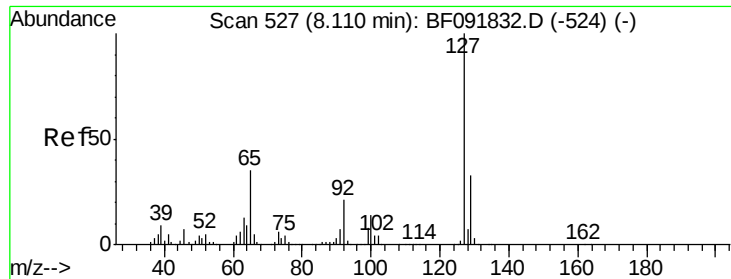
Tgt Ion:128 Resp: 1023843
Ion Ratio Lower Upper
128 100
129 102.5 9.5 14.3#
127 44.9 10.8 16.2#



#32
Benzoic acid
Concen: 6.91 ng
RT: 7.98 min Scan# 516
Delta R.T. 0.13 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:122 Resp: 44884
Ion Ratio Lower Upper
122 100
105 359.2 107.2 147.2#
77 330.4 74.5 114.5#

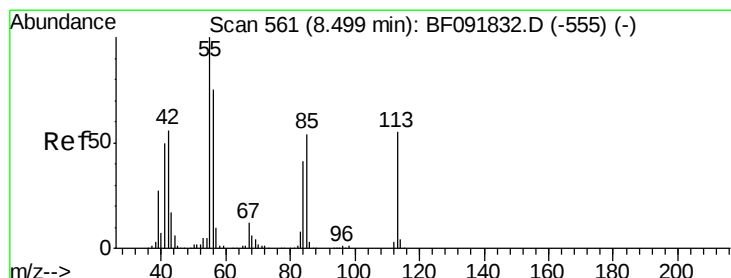
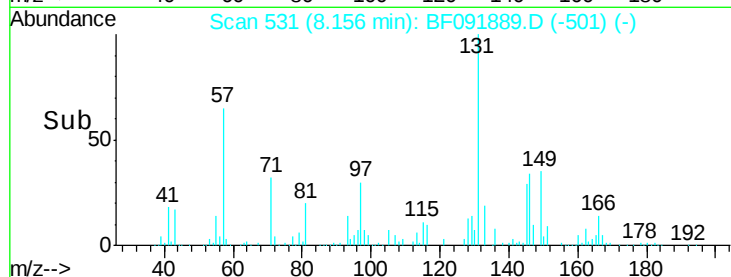
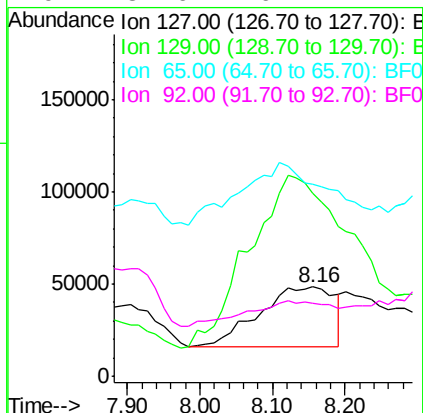
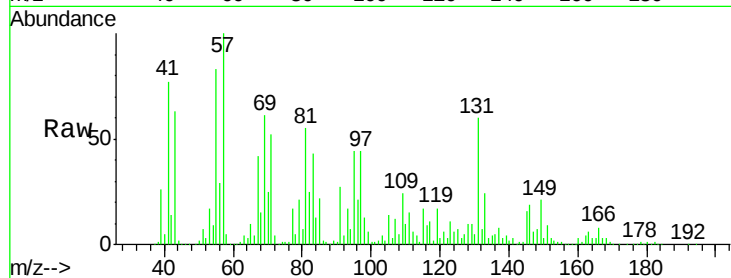




#33
4-Chloroaniline
Concen: 20.28 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.05 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

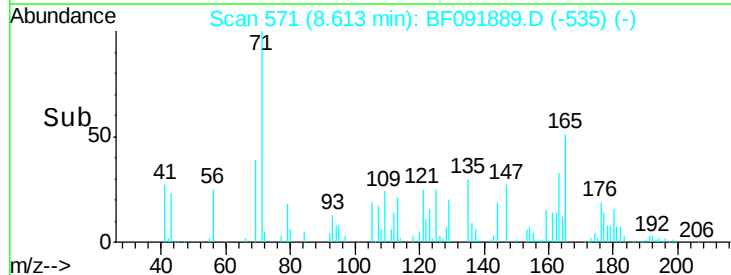
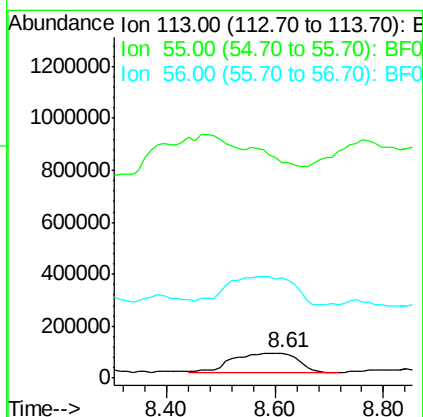
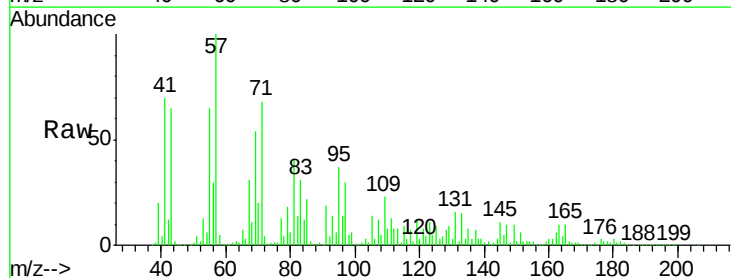
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

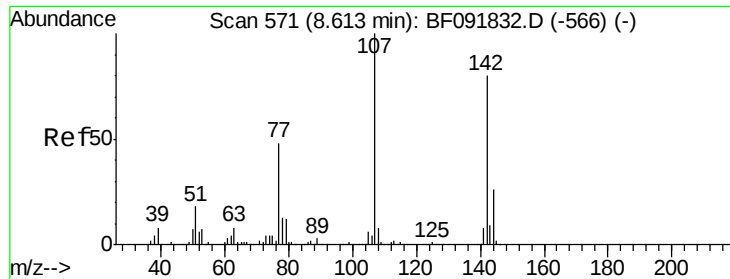
Tgt Ion:127 Resp: 234094
Ion Ratio Lower Upper
127 100
129 205.7 26.3 39.5#
65 215.4 25.8 38.8#
92 81.6 16.1 24.1#



#35
Caprolactam
Concen: 260.57 ng
RT: 8.61 min Scan# 571
Delta R.T. 0.11 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:113 Resp: 635378
Ion Ratio Lower Upper
113 100
55 860.9 119.2 159.2#
56 398.6 83.8 123.8#

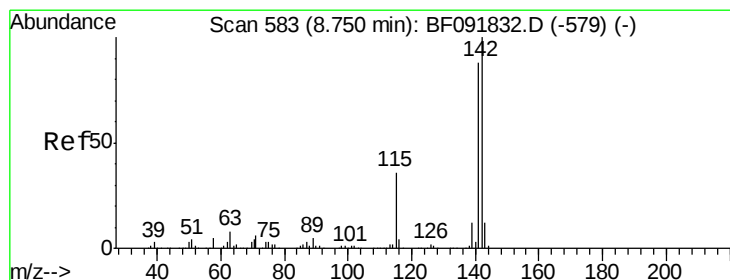
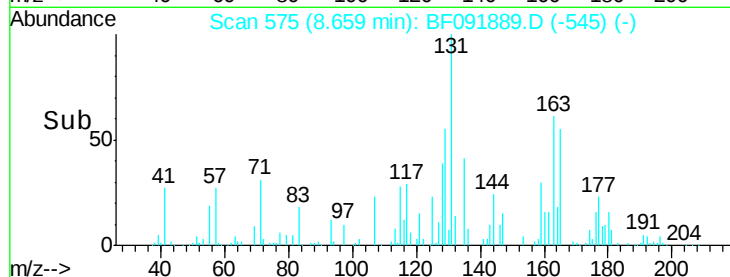
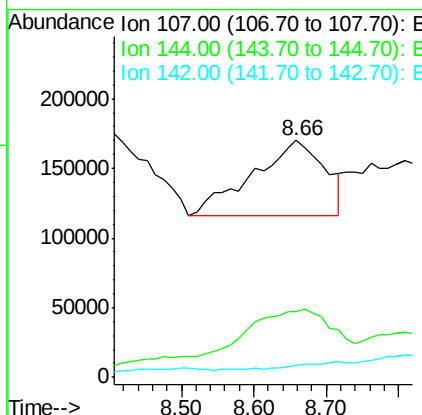
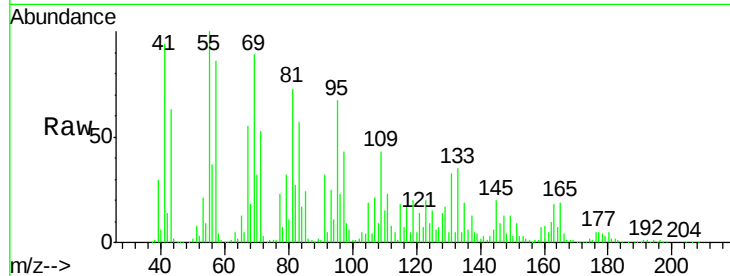




#36
4-Chloro-3-methylphenol
Concen: 42.96 ng
RT: 8.66 min Scan# 575
Delta R.T. 0.05 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

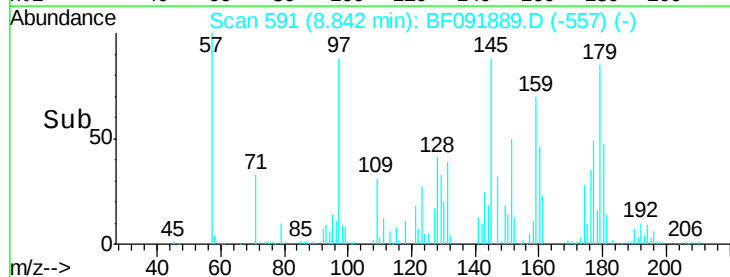
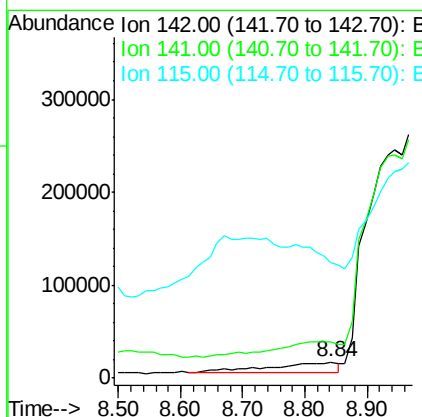
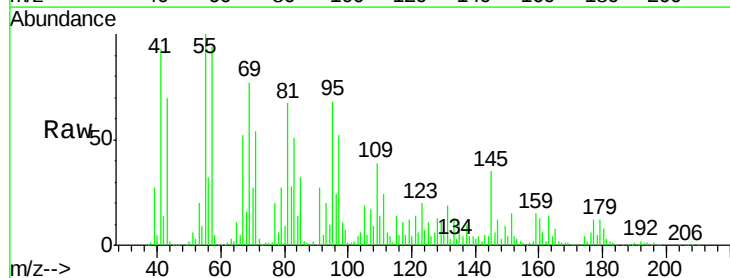
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

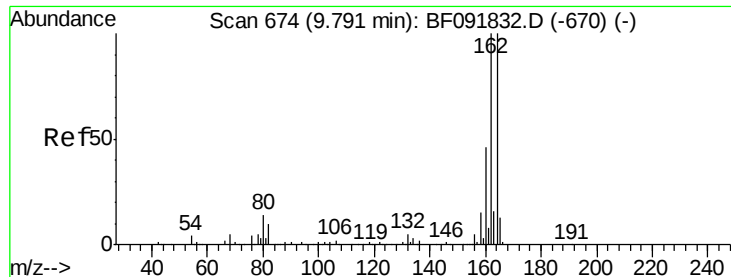
Tgt Ion:107 Resp: 366803
Ion Ratio Lower Upper
107 100
144 28.0 19.3 28.9
142 5.2 59.0 88.6#



#37
2-Methylnaphthalene
Concen: 3.79 ng
RT: 8.84 min Scan# 591
Delta R.T. 0.09 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:142 Resp: 84639
Ion Ratio Lower Upper
142 100
141 227.2 71.0 106.6#
115 736.1 28.3 42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

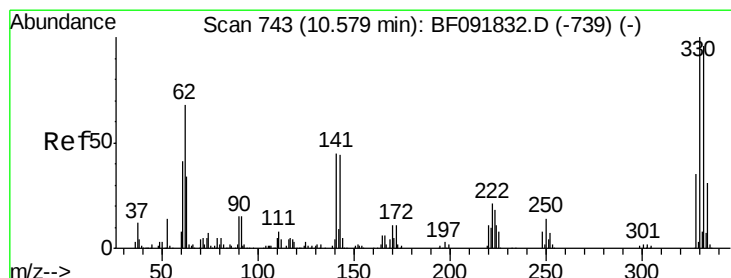
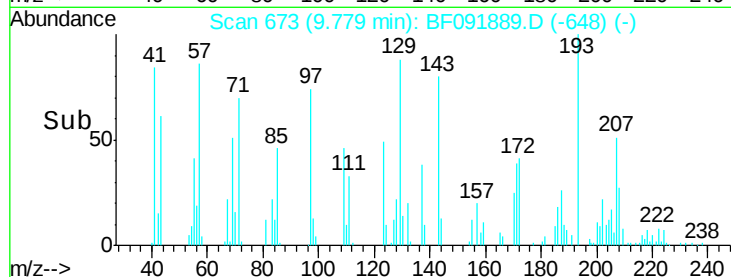
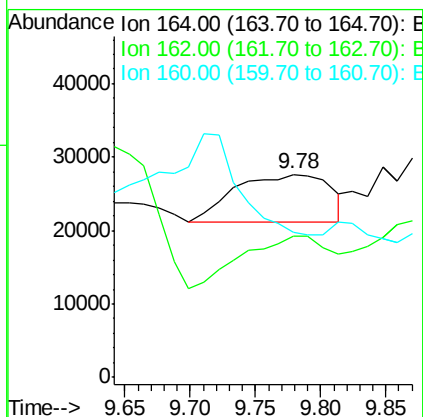
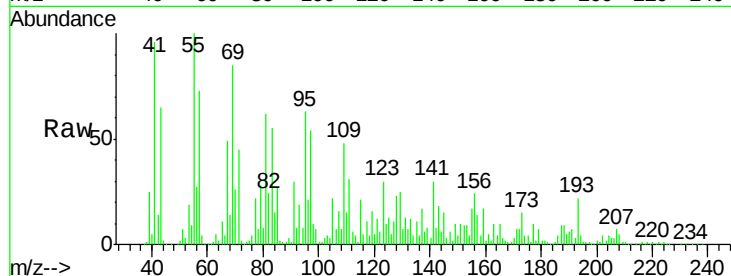
Tgt Ion:164 Resp: 33566

Ion Ratio Lower Upper

164 100

162 69.3 80.2 120.2#

160 71.1 36.9 55.3#



#41

2,4,6-Tribromophenol

Concen: 304.09 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.16 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

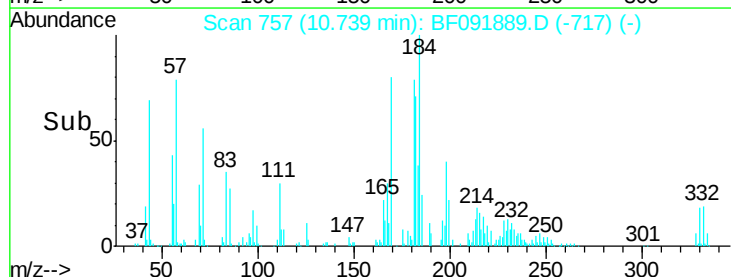
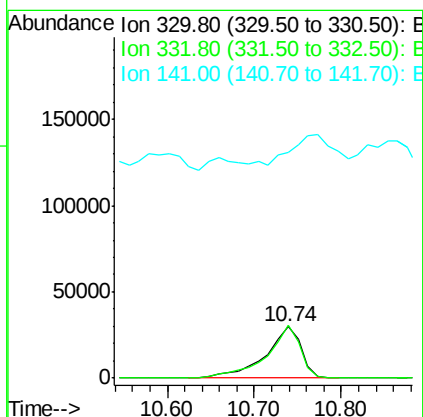
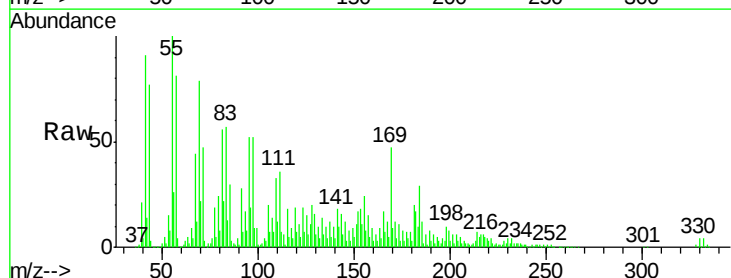
Tgt Ion:330 Resp: 84471

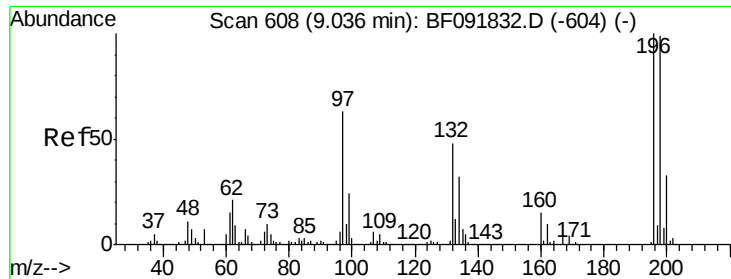
Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

141 0.0 34.1 51.1#

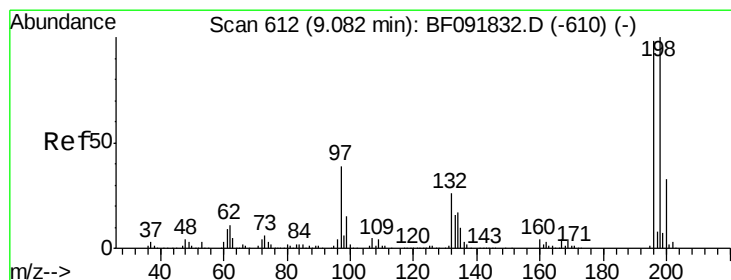
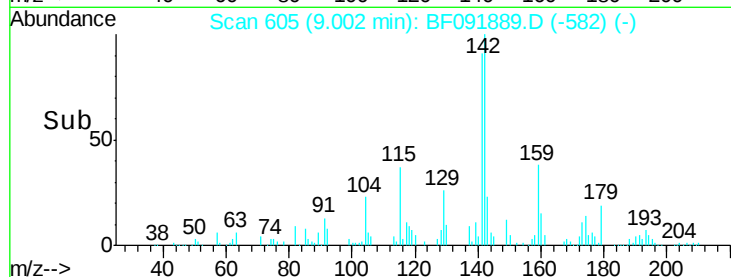
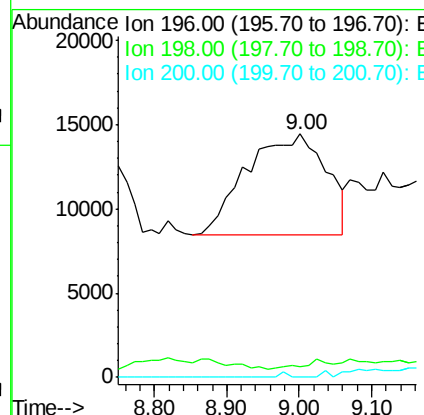
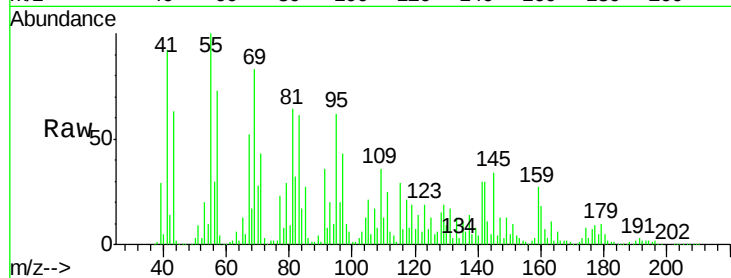




#42
 2,4,6-Trichlorophenol
 Concen: 77.00 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.03 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

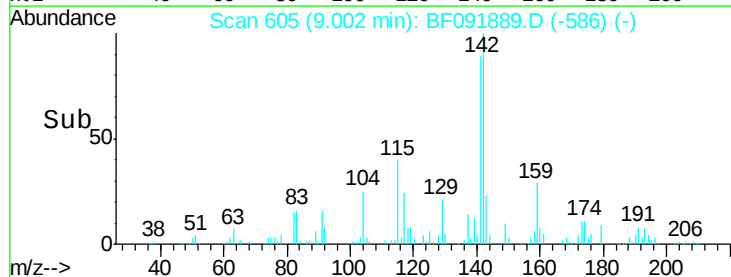
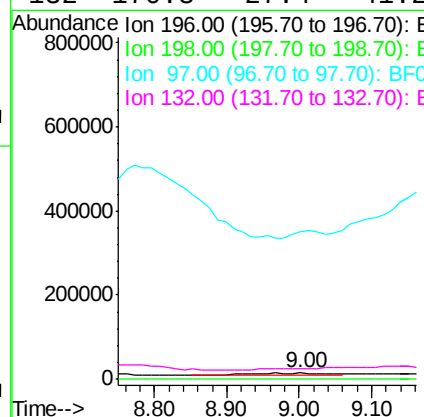
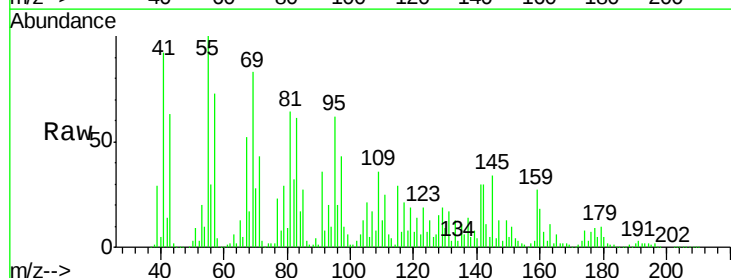
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916

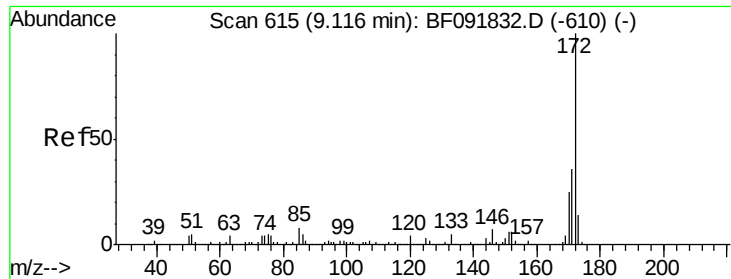
Tgt Ion:196 Resp: 45667
 Ion Ratio Lower Upper
 196 100
 198 4.4 82.1 123.1#
 200 0.0 27.0 40.4#



#43
 2,4,5-Trichlorophenol
 Concen: 74.82 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.08 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

Tgt Ion:196 Resp: 45667
 Ion Ratio Lower Upper
 196 100
 198 4.4 79.4 119.2#
 97 2424.2 51.5 77.3#
 132 170.3 27.4 41.2#

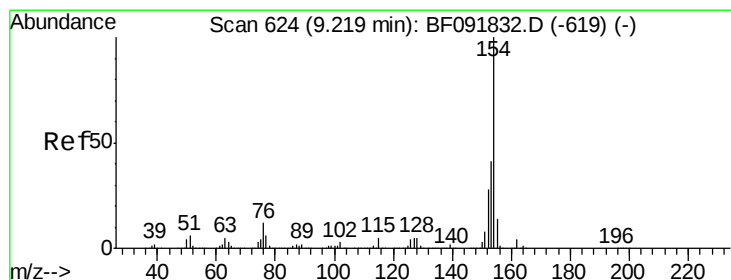
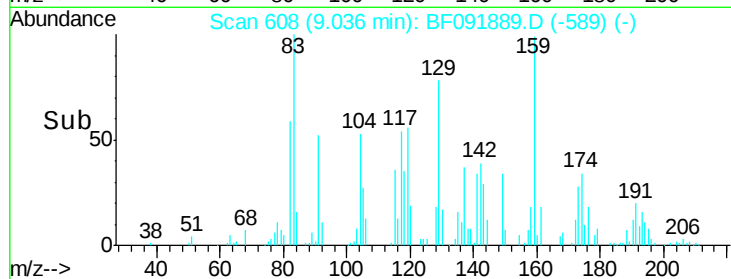
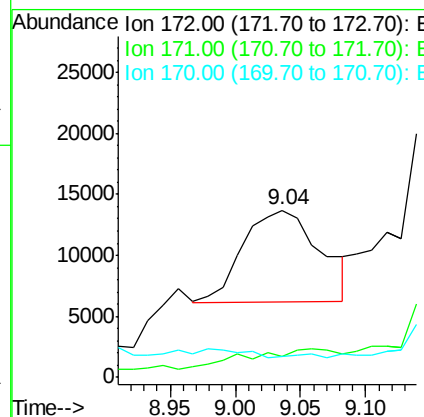
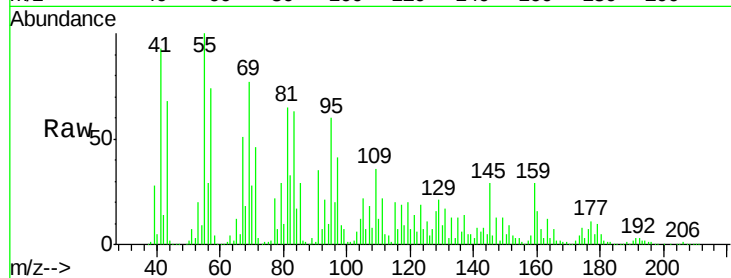




#44
 2-Fluorobiphenyl
 Concen: 6.97 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.08 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

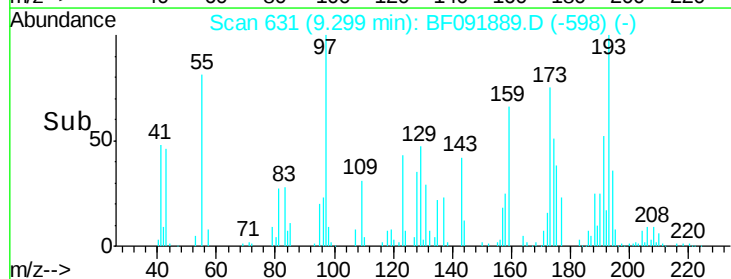
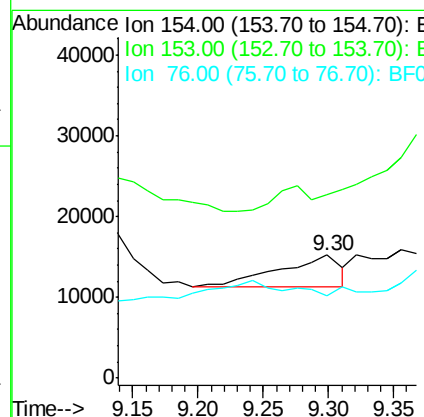
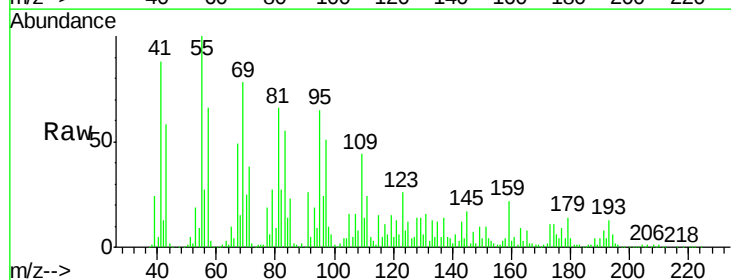
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916

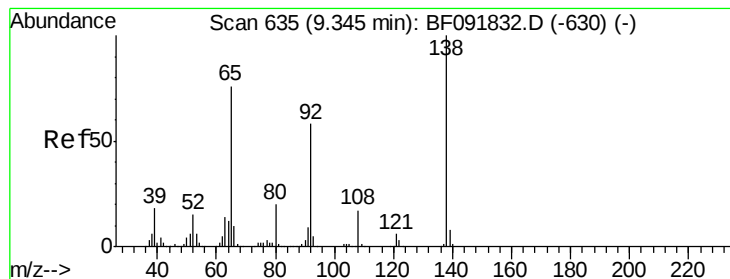
Tgt Ion:172 Resp: 30817
 Ion Ratio Lower Upper
 172 100
 171 12.6 29.4 44.0#
 170 12.5 20.2 30.4#



#45
 1,1'-Biphenyl
 Concen: 5.65 ng
 RT: 9.30 min Scan# 631
 Delta R.T. 0.08 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

Tgt Ion:154 Resp: 12985
 Ion Ratio Lower Upper
 154 100
 153 149.1 20.9 60.9#
 76 66.8 0.0 30.5#





#47

2-Nitroaniline

Concen: 79.75 ng

RT: 9.29 min Scan# 630

Delta R.T. -0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

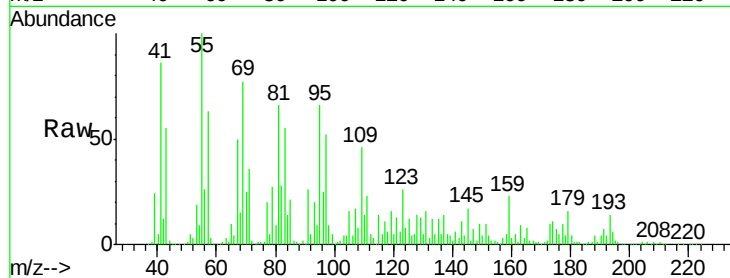
Tgt Ion: 65 Resp: 51678

Ion Ratio Lower Upper

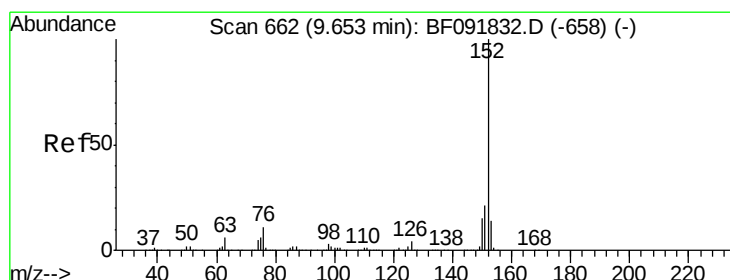
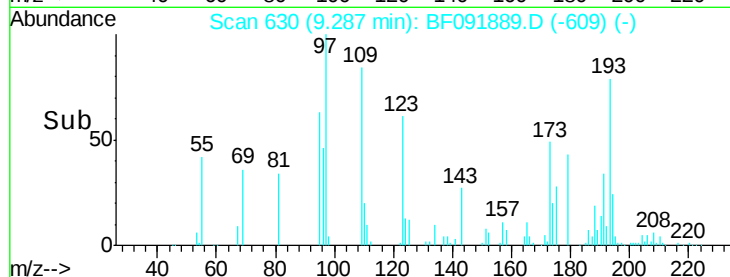
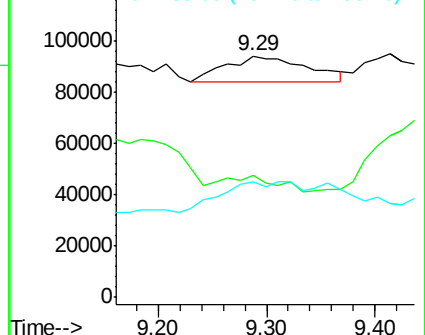
65 100

92 50.6 53.9 80.9#

138 47.8 76.8 115.2#



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: 158.18 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.10 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

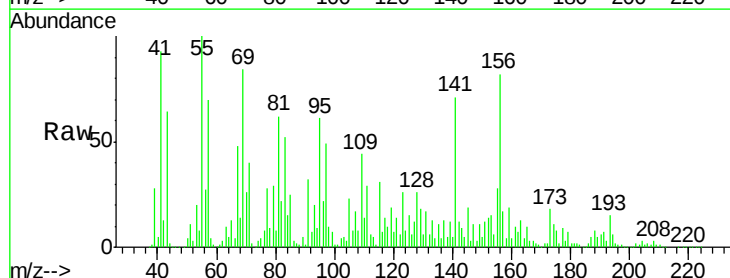
Tgt Ion: 152 Resp: 442769

Ion Ratio Lower Upper

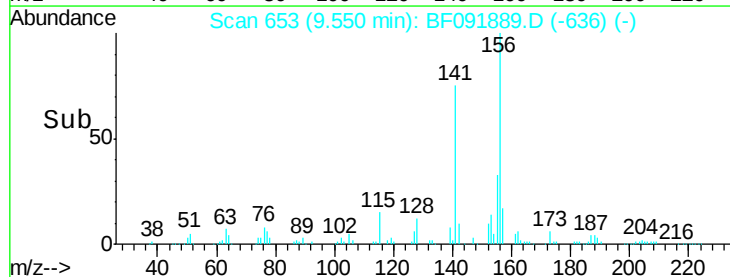
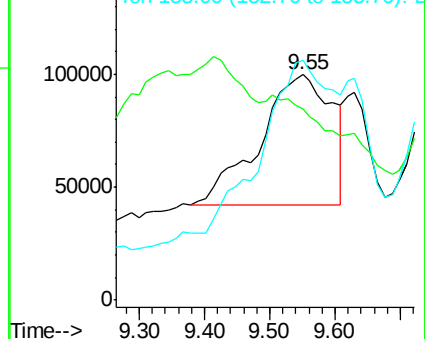
152 100

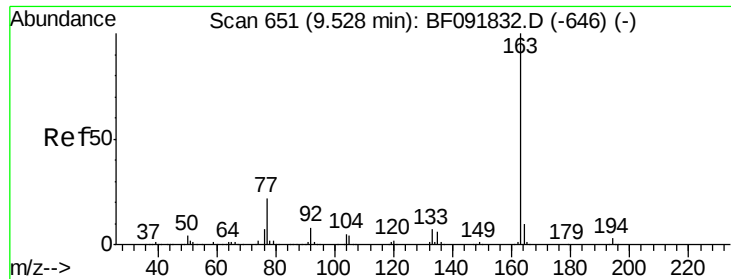
151 84.5 16.9 25.3#

153 106.4 11.4 17.2#



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

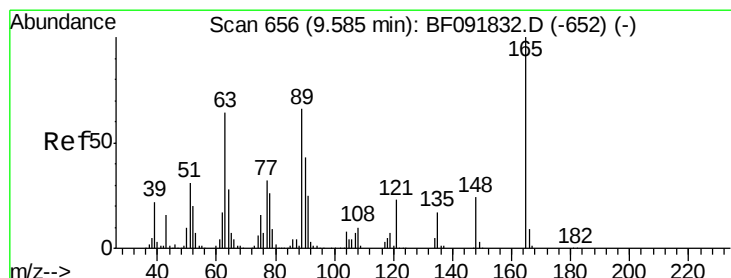
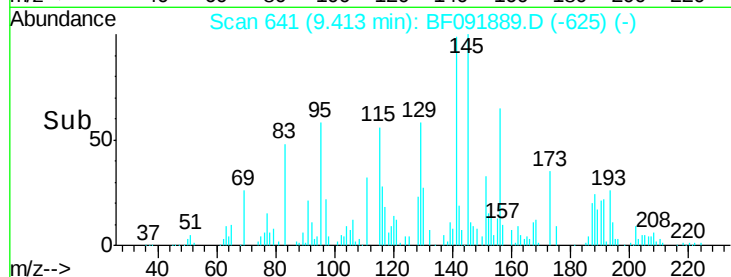
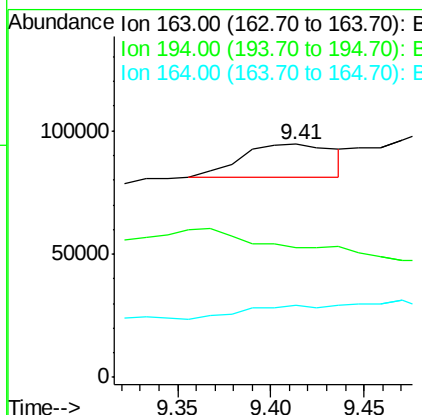
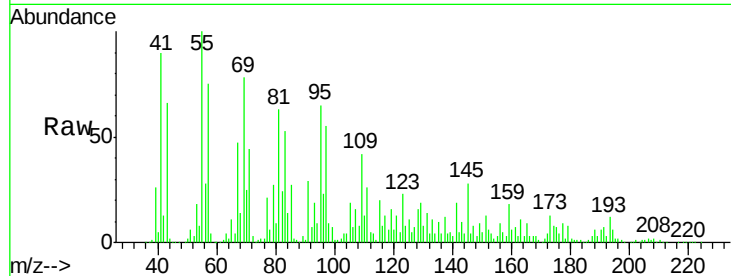




#49
Dimethylphthalate
Concen: 22.14 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.11 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

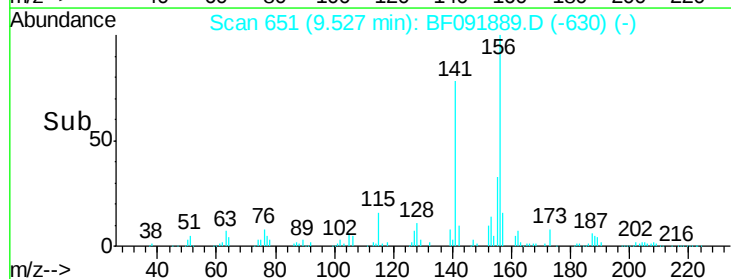
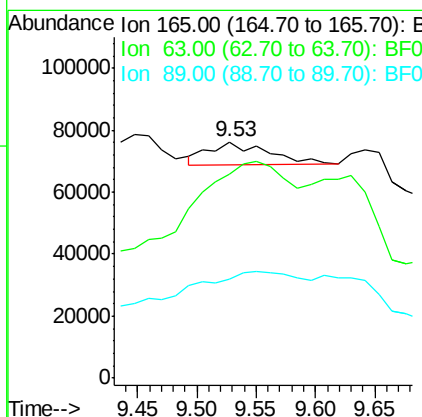
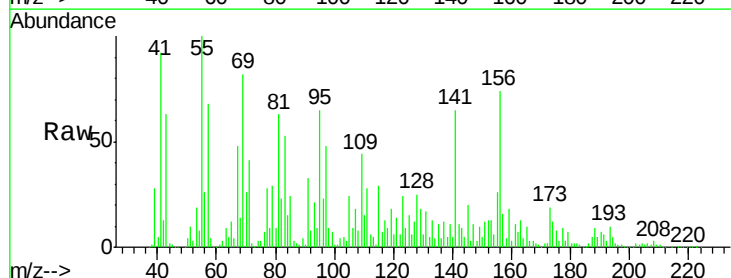
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

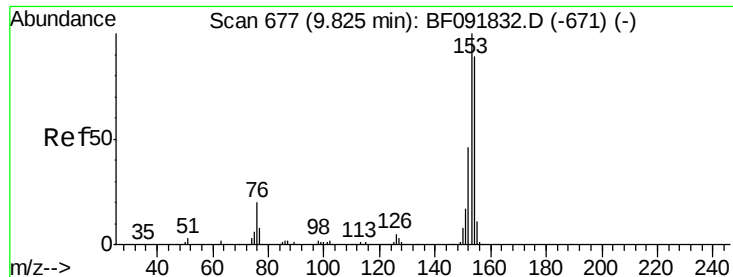
Tgt Ion:163 Resp: 47534
Ion Ratio Lower Upper
163 100
194 55.5 3.0 4.4#
164 31.1 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 52.40 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.06 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:165 Resp: 24624
Ion Ratio Lower Upper
165 100
63 86.6 36.2 54.4#
89 41.9 40.2 60.4





#51

Acenaphthene

Concen: 36.64 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.08 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

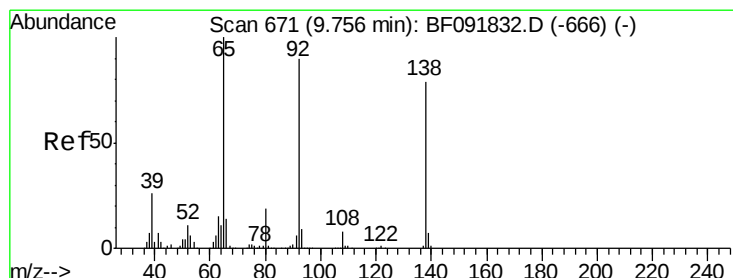
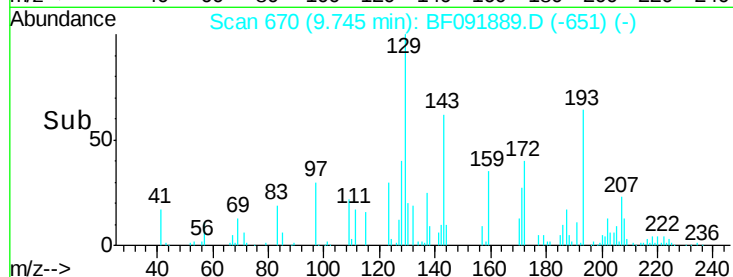
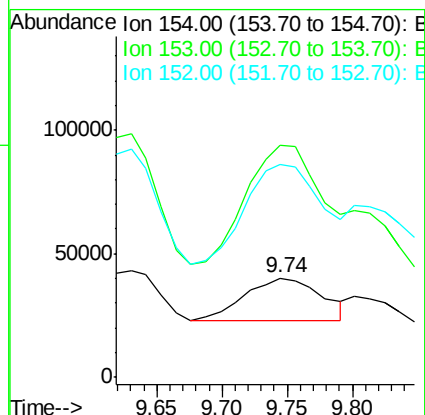
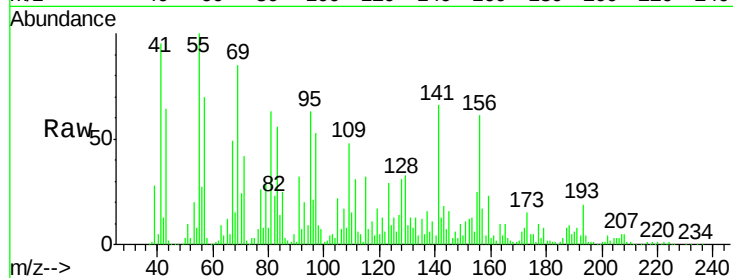
Tgt Ion:154 Resp: 69541

Ion Ratio Lower Upper

154 100

153 233.3 88.6 133.0#

152 213.2 41.6 62.4#



#52

3-Nitroaniline

Concen: 69.85 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

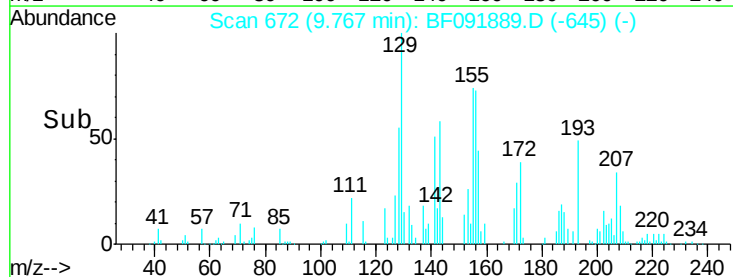
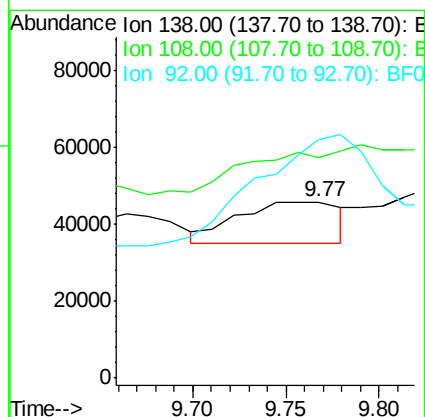
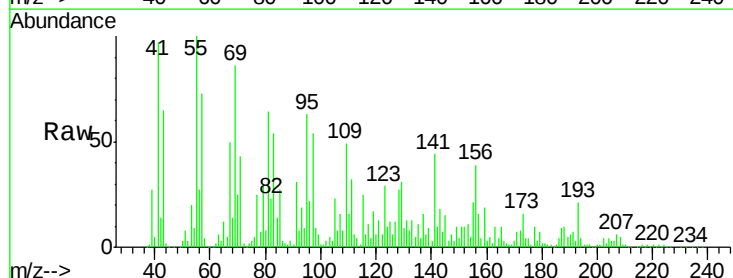
Tgt Ion:138 Resp: 40616

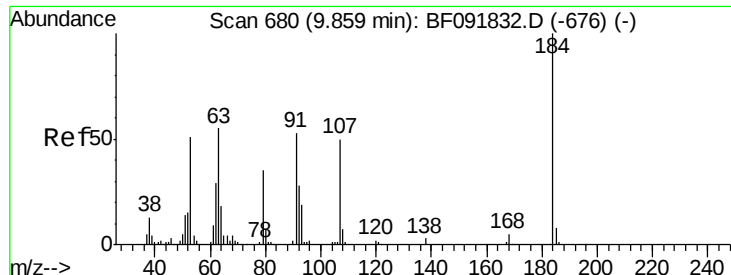
Ion Ratio Lower Upper

138 100

108 125.4 8.5 12.7#

92 134.9 97.8 146.8

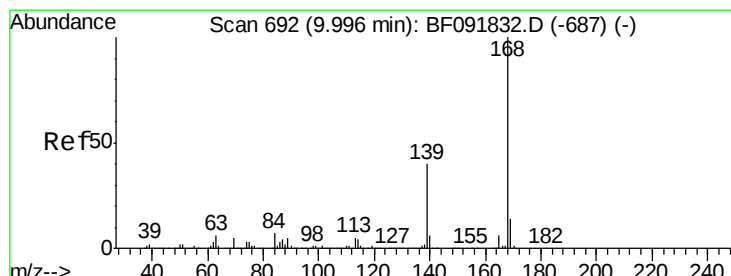
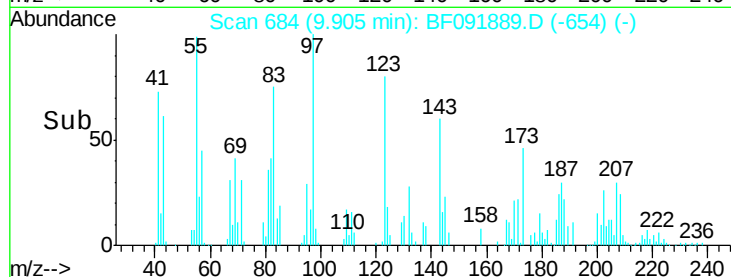
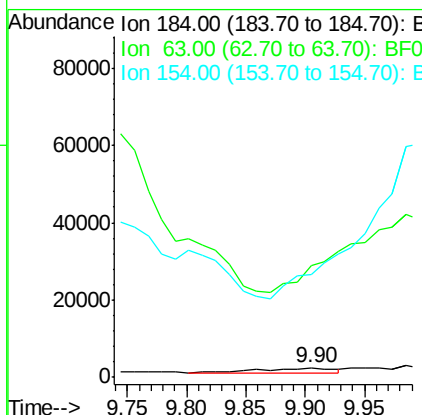
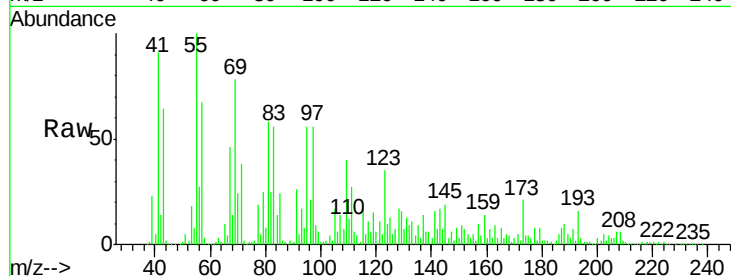




#53
 2,4-Dinitrophenol
 Concen: 20.40 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.05 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

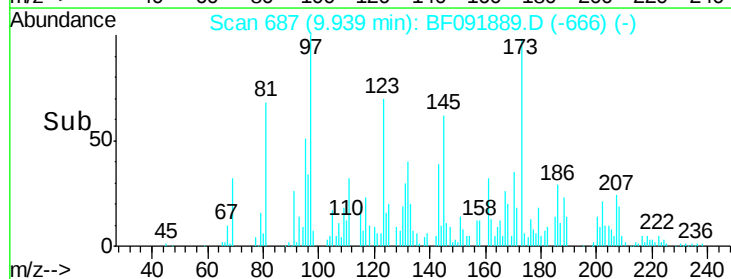
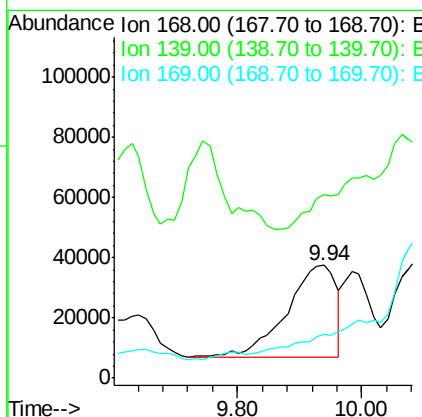
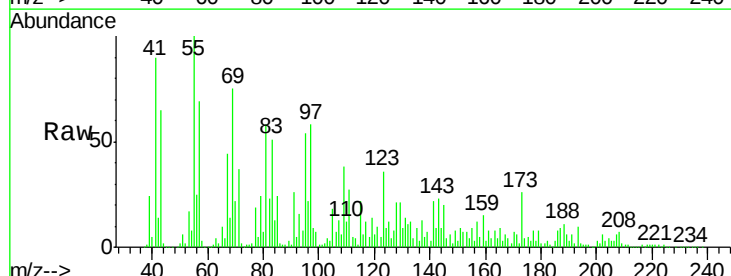
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916

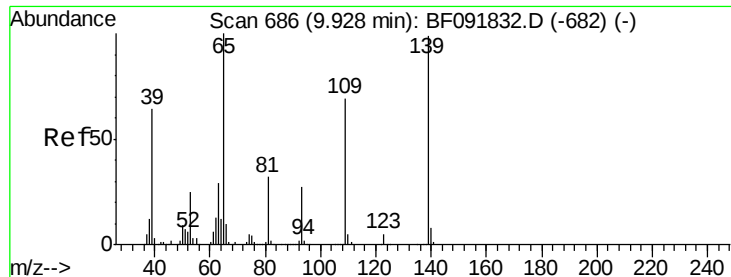
Tgt Ion:184 Resp: 5333
 Ion Ratio Lower Upper
 184 100
 63 1169.3 28.4 42.6#
 154 1083.1 44.3 66.5#



#54
 Dibenzofuran
 Concen: 67.26 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.06 min
 Lab File: BF091889.D
 Acq: 22 Dec 2016 16:41

Tgt Ion:168 Resp: 172384
 Ion Ratio Lower Upper
 168 100
 139 162.6 32.6 49.0#
 169 38.5 11.3 16.9#

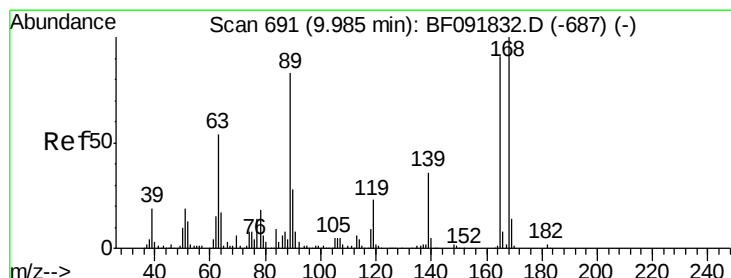
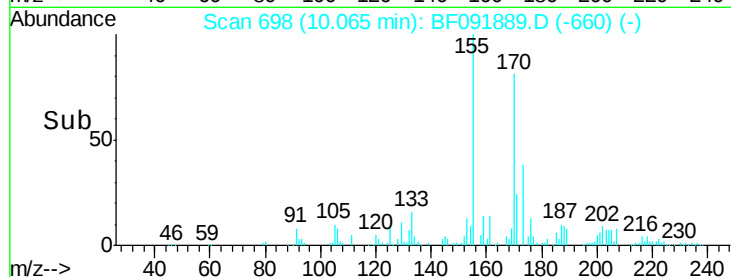
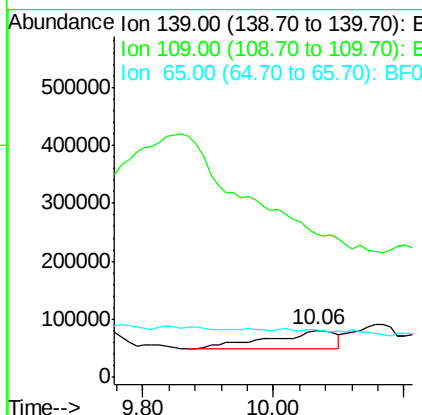
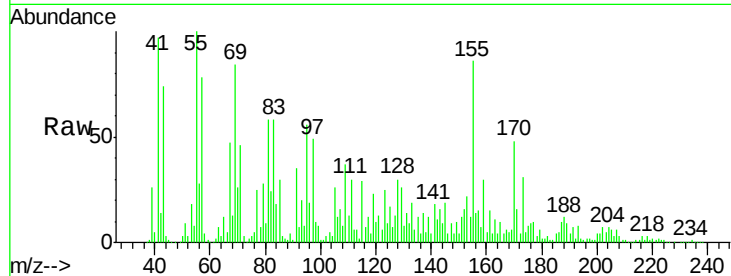




#55
4-Nitrophenol
Concen: 570.32 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.14 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

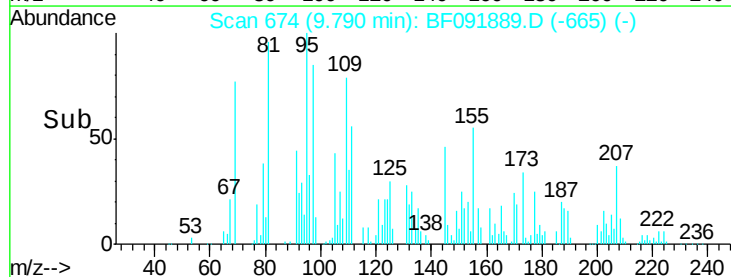
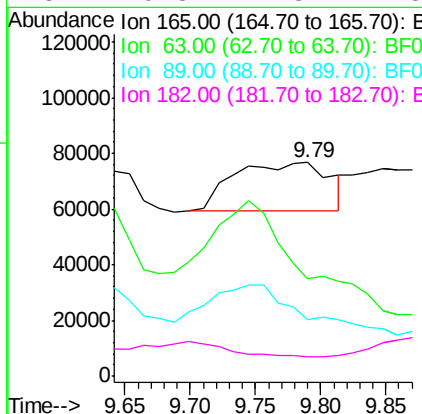
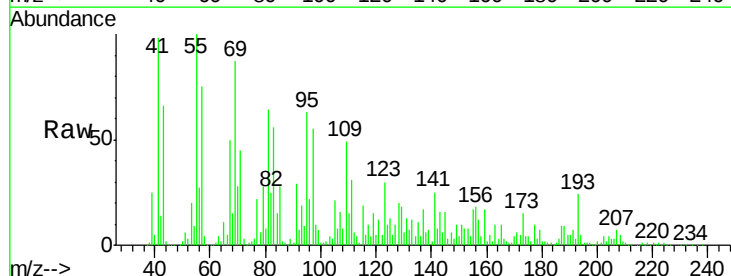
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

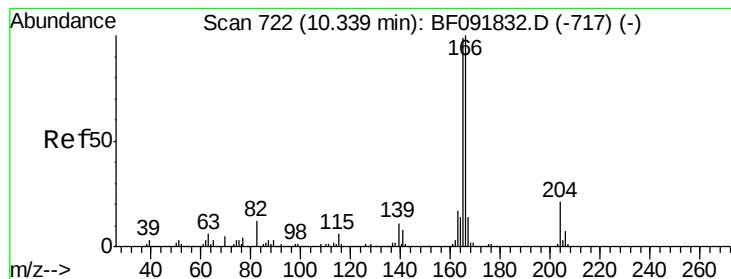
Tgt Ion:139 Resp: 225184
Ion Ratio Lower Upper
139 100
109 306.4 52.2 92.2#
65 100.5 85.8 125.8



#56
2,4-Dinitrotoluene
Concen: 149.12 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.19 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:165 Resp: 87947
Ion Ratio Lower Upper
165 100
63 45.8 40.2 60.4
89 26.7 62.5 93.7#
182 9.3 1.8 2.8#





#57

Fluorene

Concen: 254.46 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.16 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

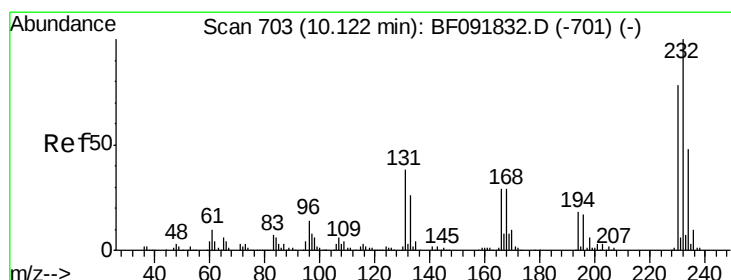
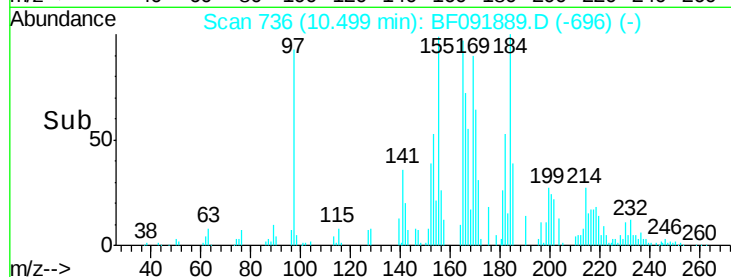
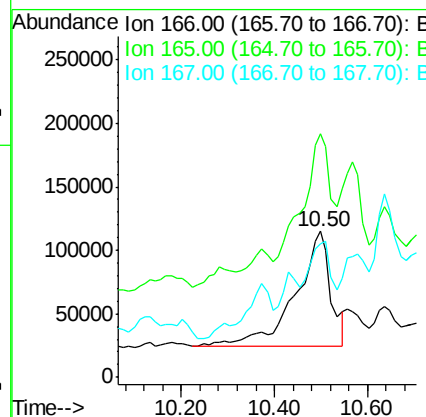
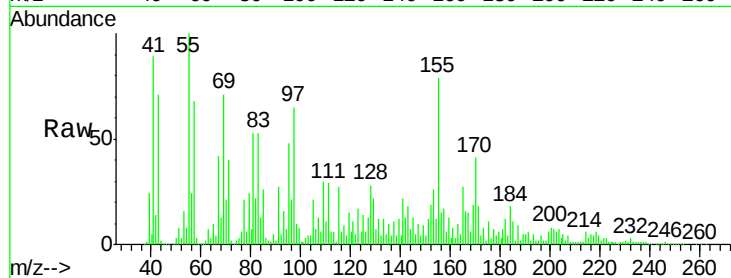
Tgt Ion:166 Resp: 474459

Ion Ratio Lower Upper

166 100

165 166.9 77.8 116.8#

167 91.4 10.8 16.2#



#58

2,3,4,6-Tetrachlorophenol

Concen: 29.73 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.10 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Tgt Ion:232 Resp: 14353

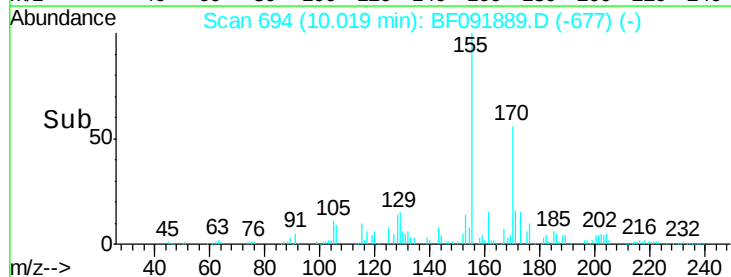
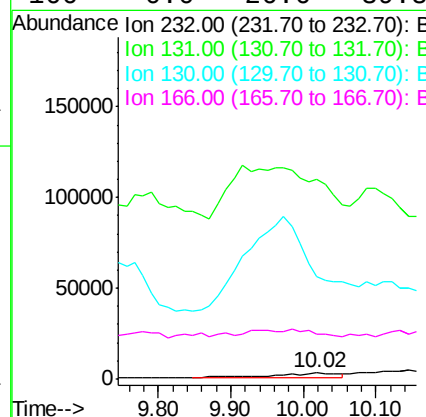
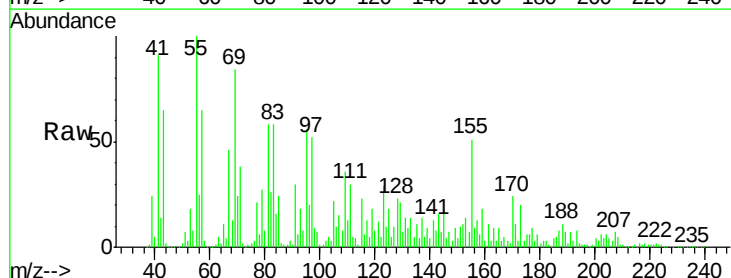
Ion Ratio Lower Upper

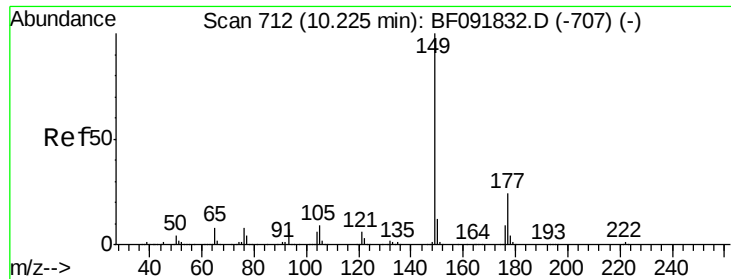
232 100

131 0.0 40.1 60.1#

130 0.0 1.8 2.8#

166 0.0 26.6 39.8#





#59

Diethylphthalate

Concen: 13.75 ng

RT: 10.25 min Scan# 714

Delta R.T. 0.02 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

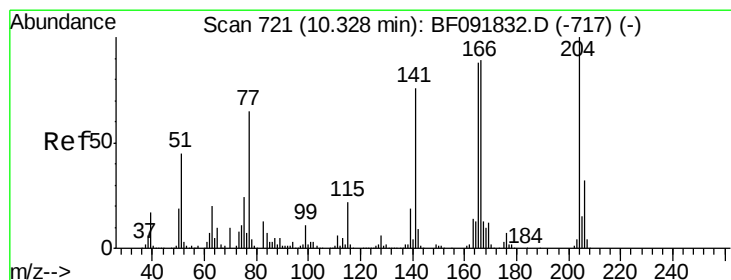
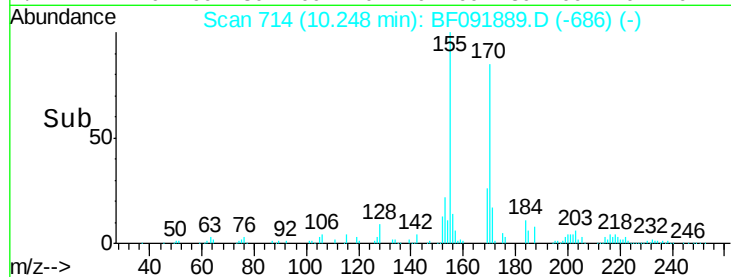
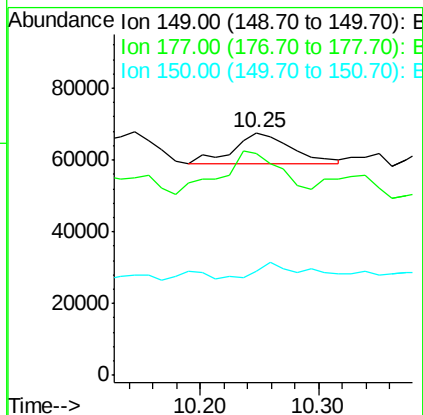
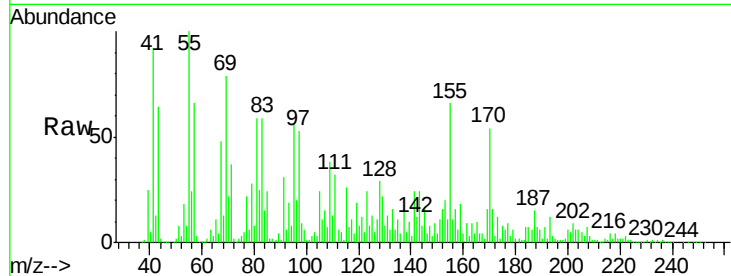
Tgt Ion:149 Resp: 28669

Ion Ratio Lower Upper

149 100

177 91.5 16.6 25.0#

150 42.9 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: 222.73 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

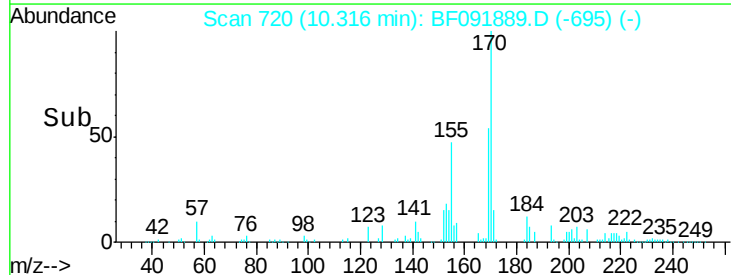
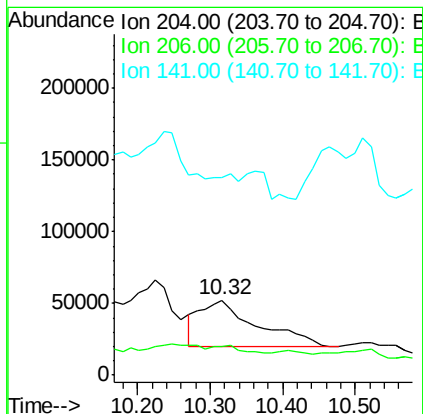
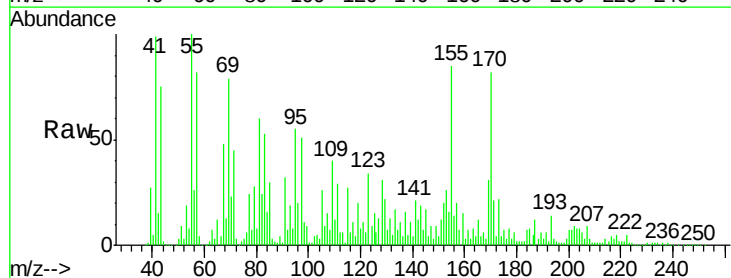
Tgt Ion:204 Resp: 181841

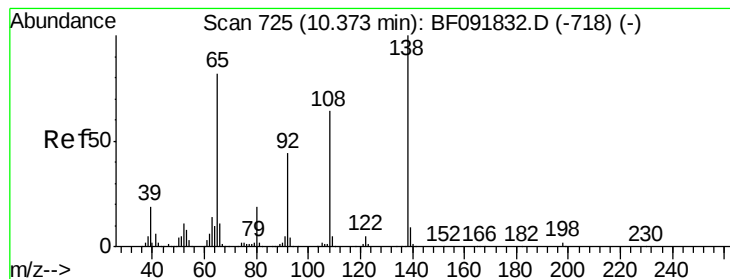
Ion Ratio Lower Upper

204 100

206 37.4 25.8 38.6

141 263.4 59.4 89.0#





#61

4-Nitroaniline

Concen: 205.31 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

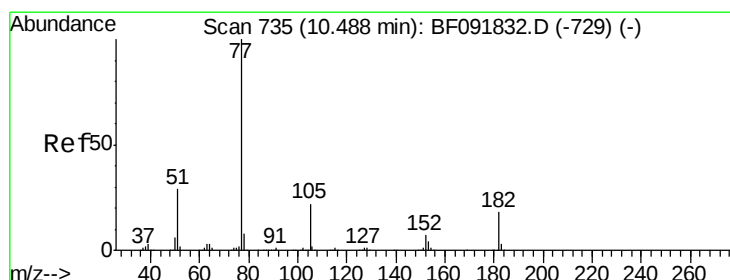
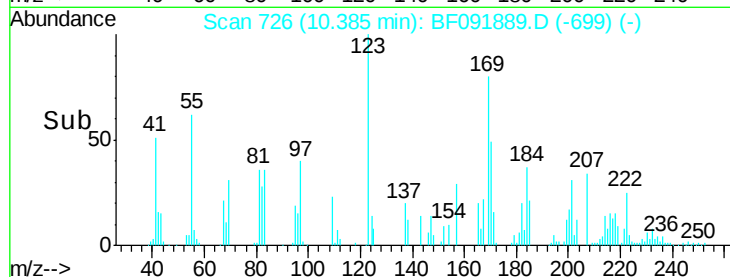
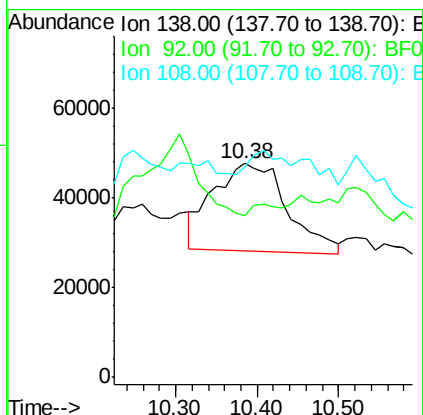
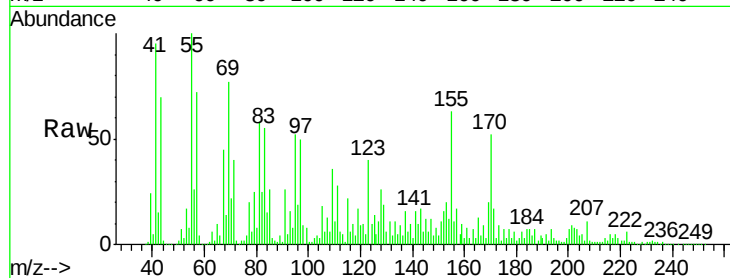
Tgt Ion:138 Resp: 123721

Ion Ratio Lower Upper

138 100

92 75.8 31.7 71.7#

108 98.2 52.6 92.6#



#62

Azobenzene

Concen: 55.26 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.15 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Tgt Ion: 77 Resp: 126847

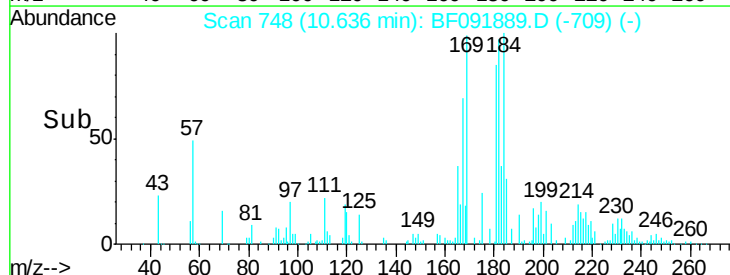
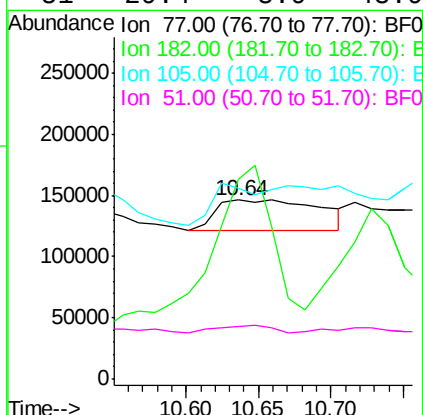
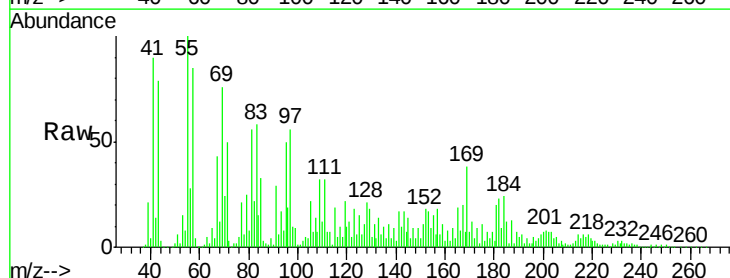
Ion Ratio Lower Upper

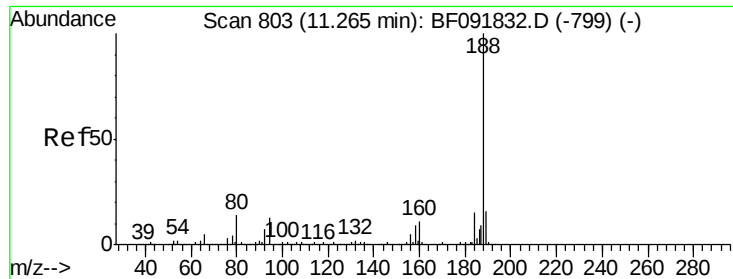
77 100

182 111.8 0.0 39.3#

105 106.3 2.3 42.3#

51 29.4 8.9 48.9

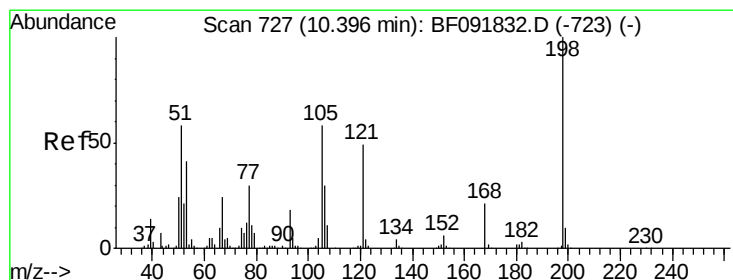
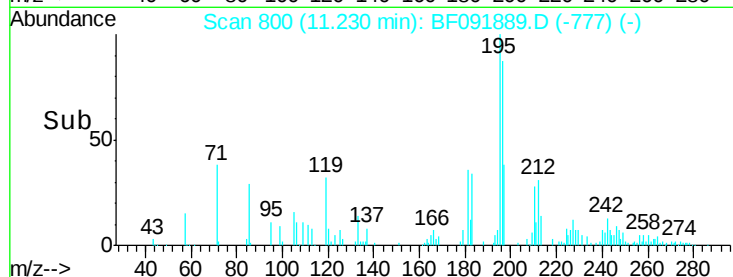
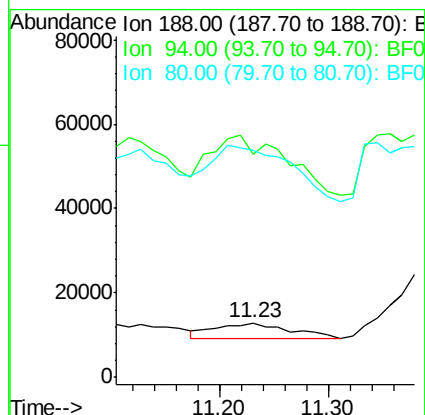
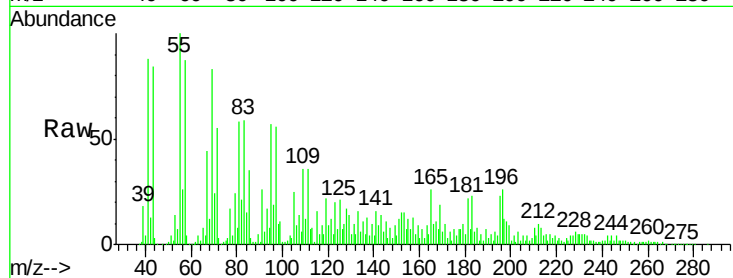




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.03 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

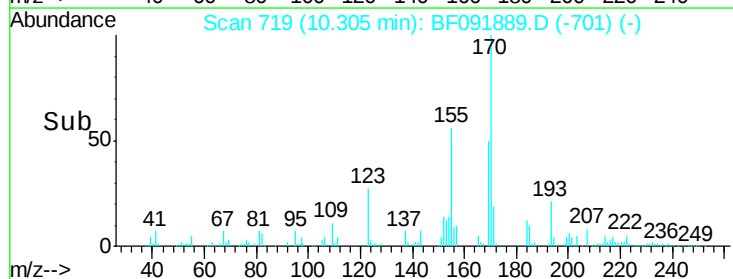
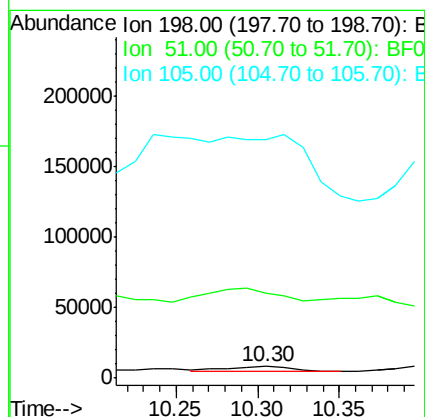
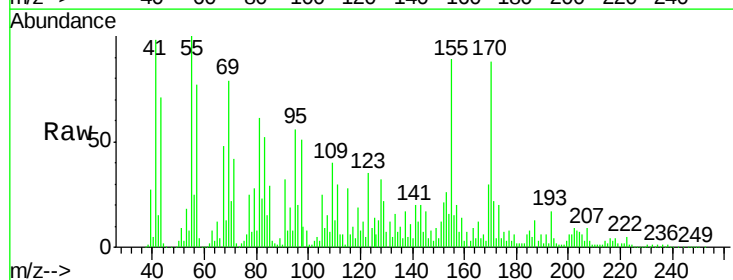
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

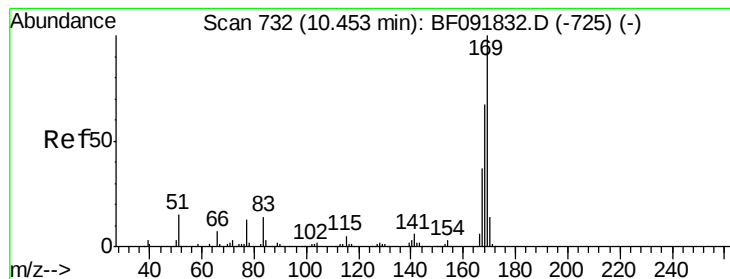
Tgt Ion:188 Resp: 16773
Ion Ratio Lower Upper
188 100
94 407.5 10.0 15.0#
80 415.9 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 81.35 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.09 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:198 Resp: 8251
Ion Ratio Lower Upper
198 100
51 724.0 6.7 46.7#
105 2042.3 16.6 56.6#





#65

n-Nitrosodiphenylamine

Concen: 593.02 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.09 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

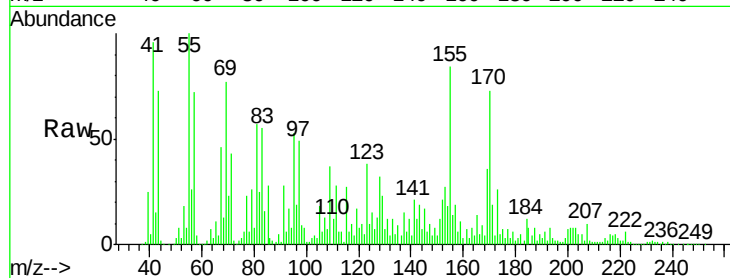
Tgt Ion:169 Resp: 295155

Ion Ratio Lower Upper

169 100

168 11.2 54.2 81.2#

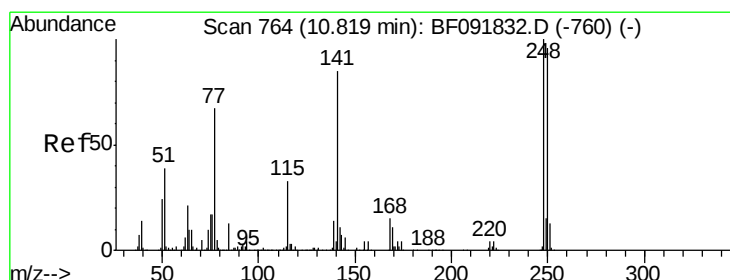
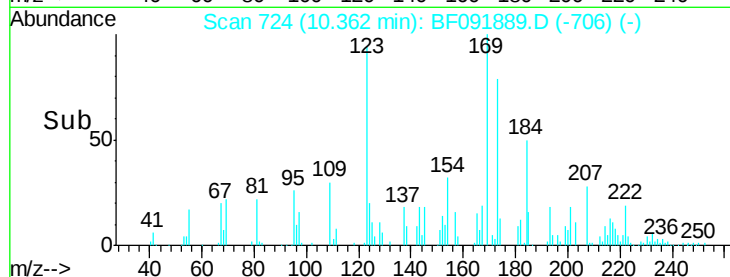
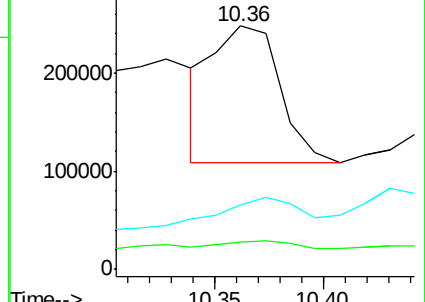
167 26.3 30.2 45.4#



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



#66

4-Bromophenyl-phenylether

Concen: 42.30 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.08 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

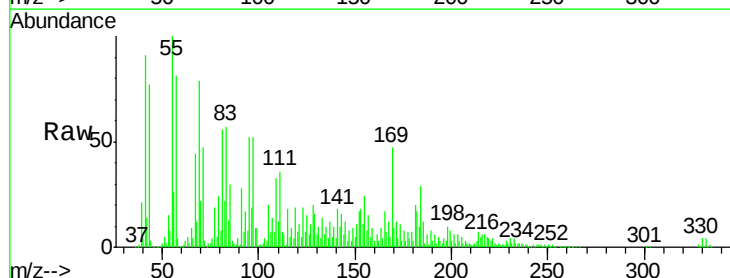
Tgt Ion:248 Resp: 7381

Ion Ratio Lower Upper

248 100

250 99.0 76.9 115.3

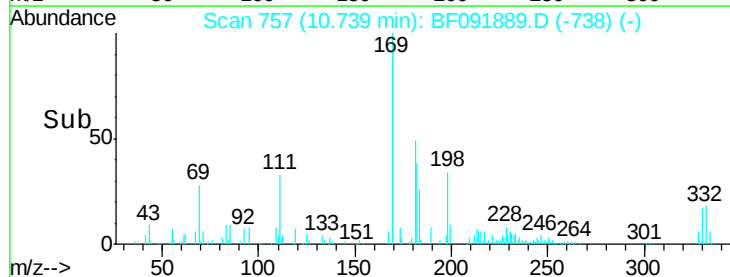
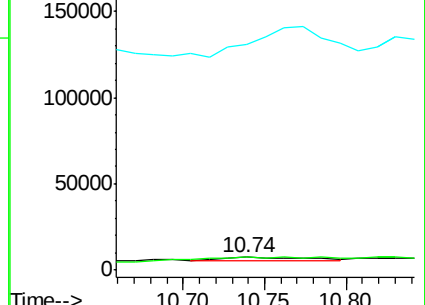
141 1767.5 68.2 102.4#

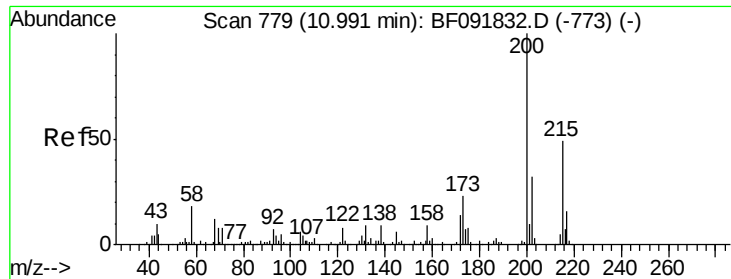


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Atrazine

Concen: 93.58 ng

RT: 10.93 min Scan# 774

Delta R.T. -0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

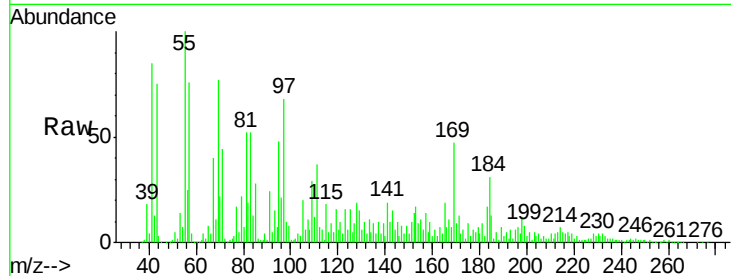
Tgt Ion:200 Resp: 15024

Ion Ratio Lower Upper

200 100

173 210.4 9.6 49.6#

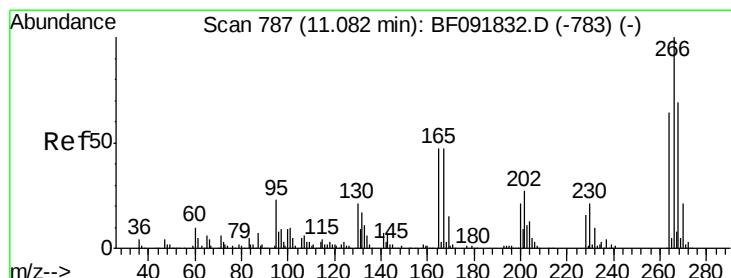
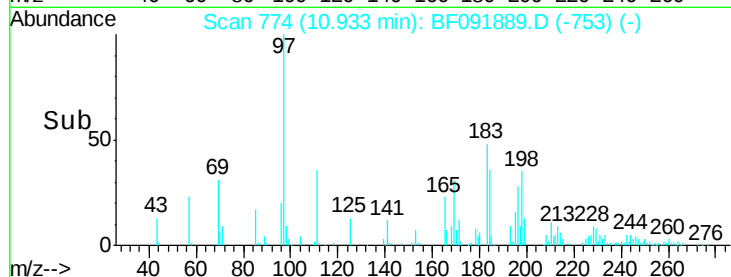
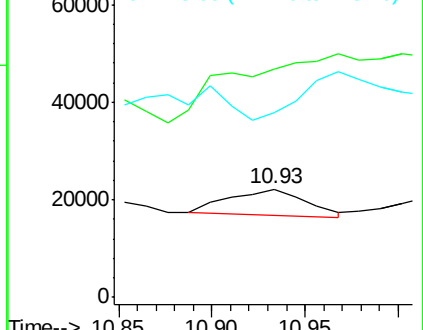
215 170.4 25.7 65.7#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 438.42 ng

RT: 11.06 min Scan# 785

Delta R.T. -0.02 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

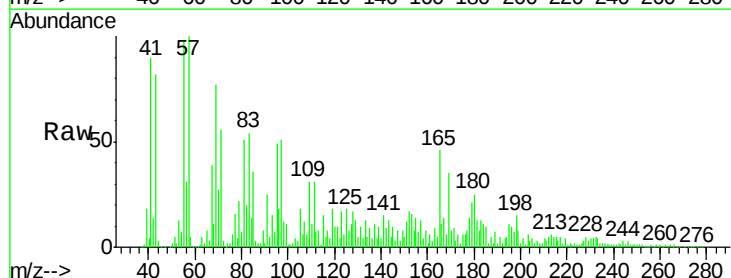
Tgt Ion:266 Resp: 40120

Ion Ratio Lower Upper

266 100

268 7.1 53.3 79.9#

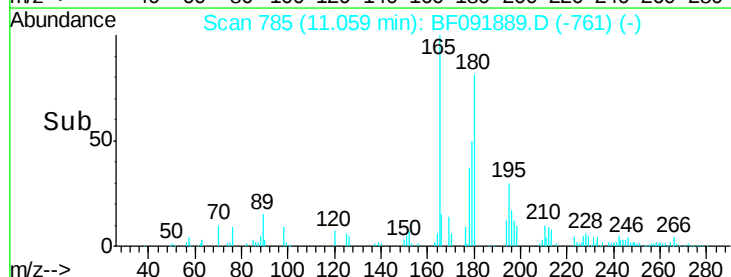
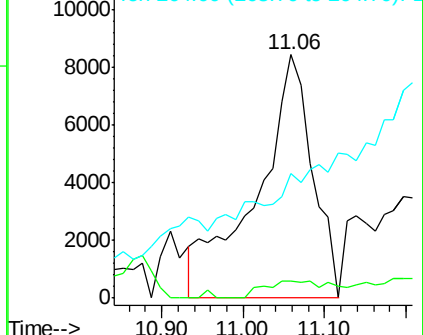
264 51.0 50.3 75.5

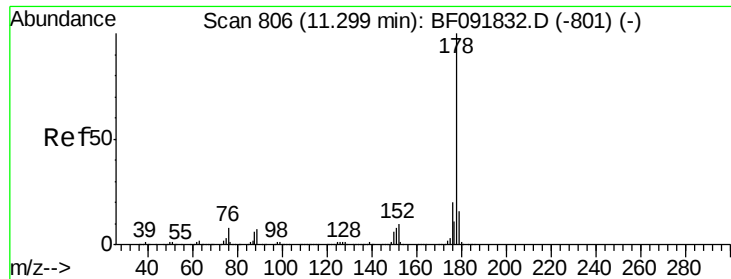


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

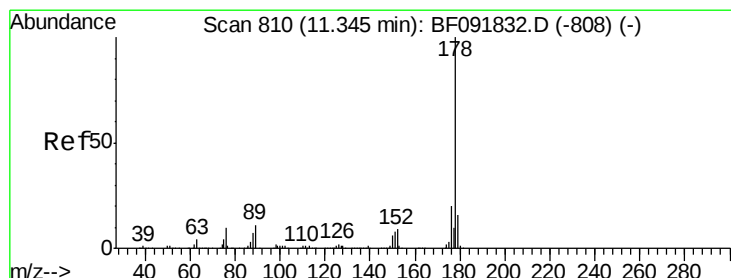
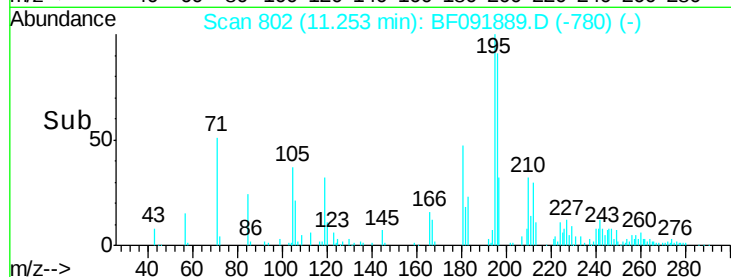
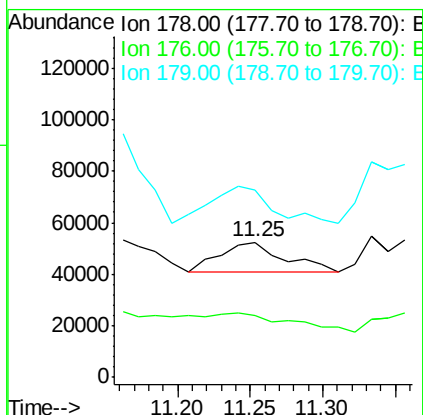
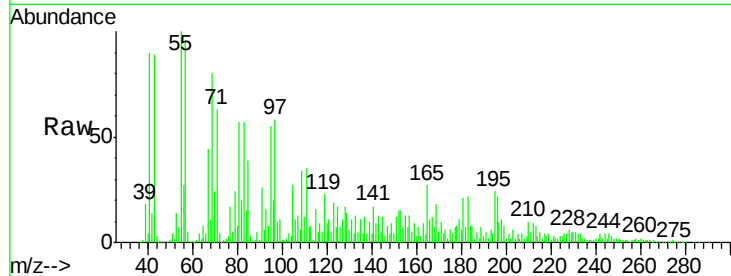




#70
Phenanthrene
Concen: 40.56 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.05 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

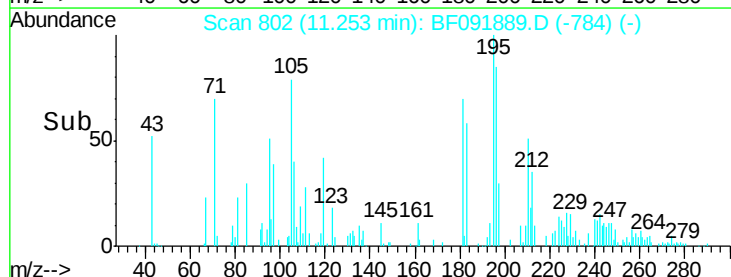
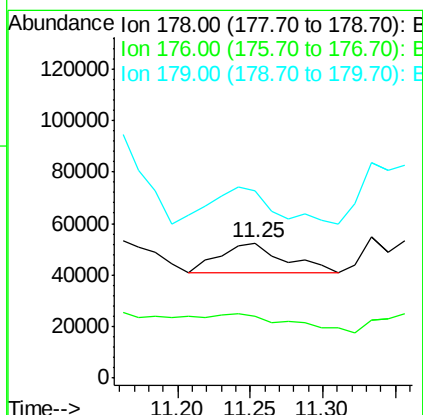
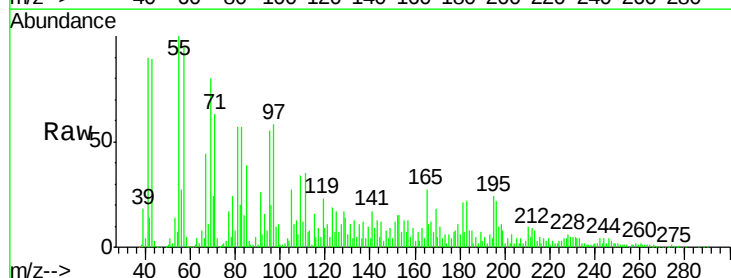
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

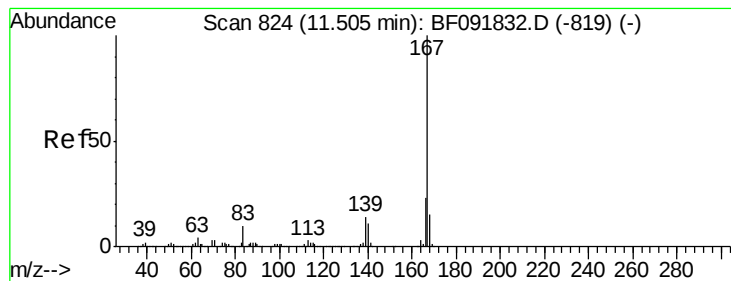
Tgt Ion:178 Resp: 36889
Ion Ratio Lower Upper
178 100
176 45.9 16.6 25.0#
179 138.4 12.8 19.2#



#71
Anthracene
Concen: 46.14 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.09 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:178 Resp: 36889
Ion Ratio Lower Upper
178 100
176 45.9 15.9 23.9#
179 138.4 13.2 19.8#





#72

Carbazole

Concen: Below Cal

RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

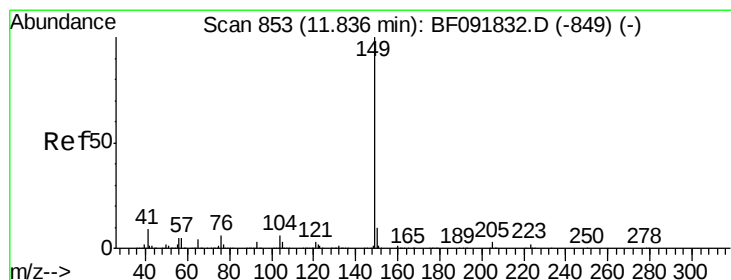
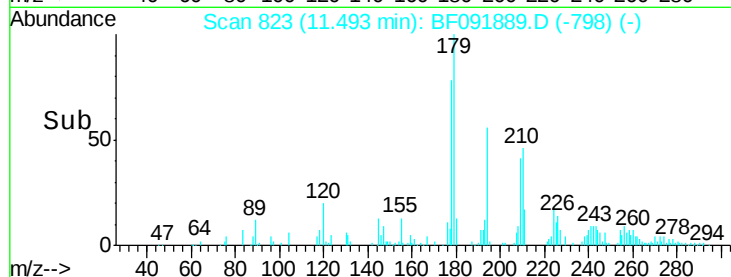
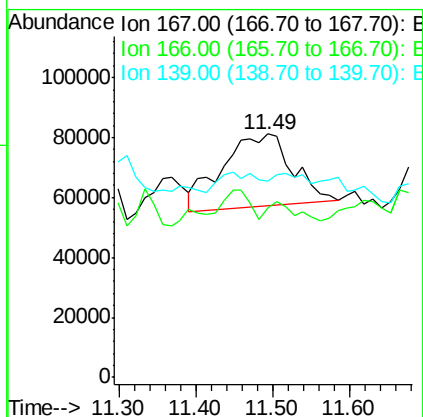
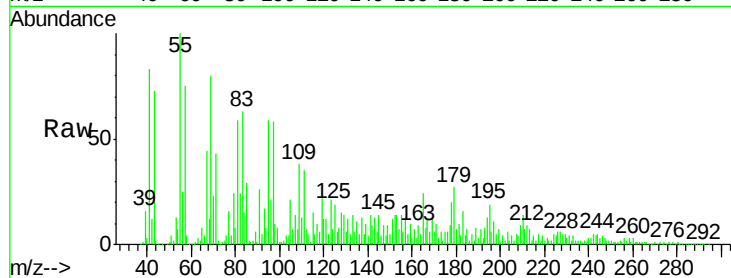
Tgt Ion:167 Resp: 152493

Ion Ratio Lower Upper

167 100

166 69.7 18.2 27.2#

139 80.5 11.4 17.2#



#73

Di-n-butylphthalate

Concen: 26.49 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

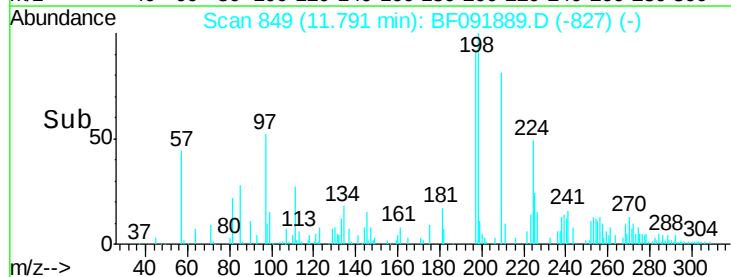
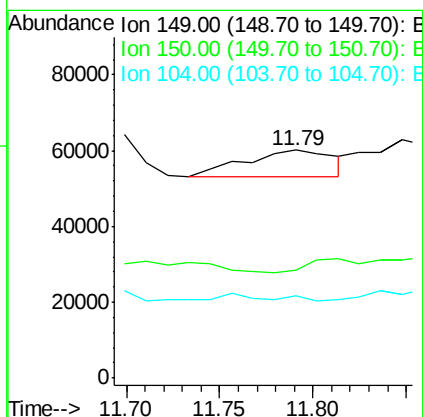
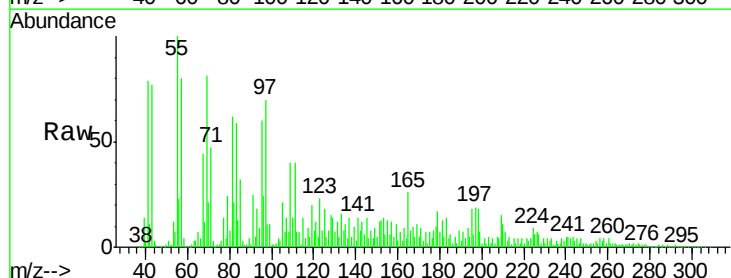
Tgt Ion:149 Resp: 24279

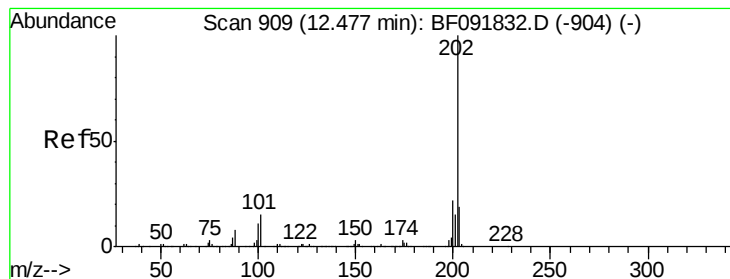
Ion Ratio Lower Upper

149 100

150 47.6 8.1 12.1#

104 36.1 4.6 7.0#





#74

Fluoranthene

Concen: 178.64 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.03 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

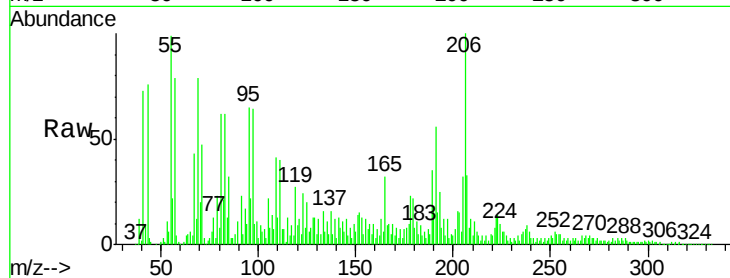
Tgt Ion:202 Resp: 133480

Ion Ratio Lower Upper

202 100

101 54.4 0.0 34.6#

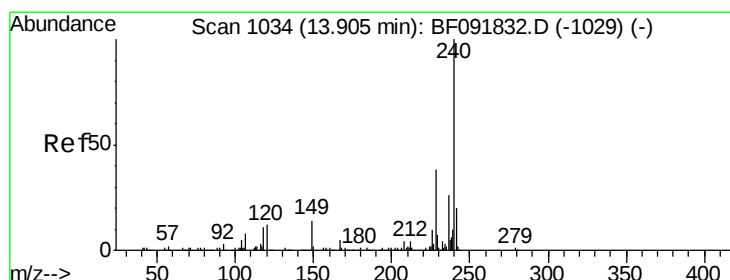
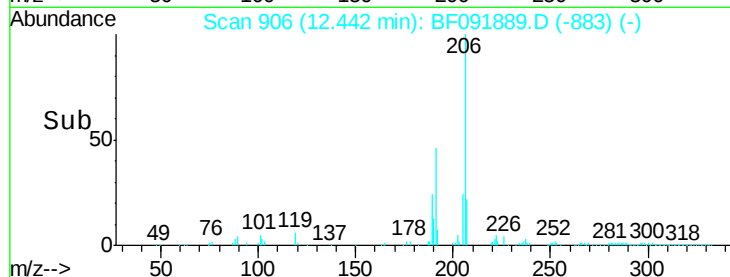
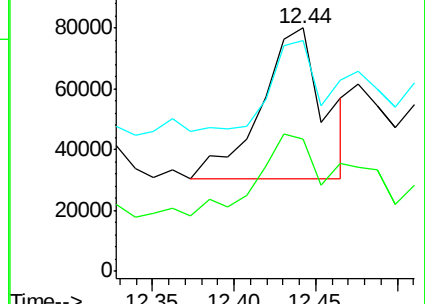
203 95.0 0.0 38.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

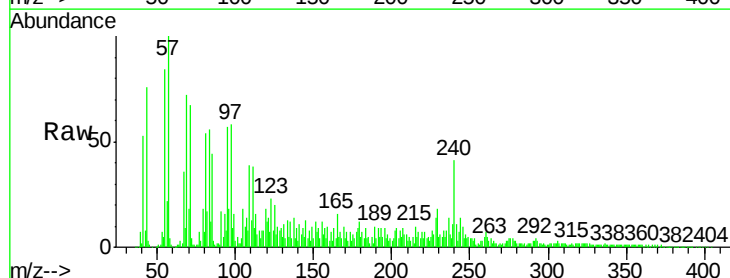
Tgt Ion:240 Resp: 212065

Ion Ratio Lower Upper

240 100

120 27.9 12.9 19.3#

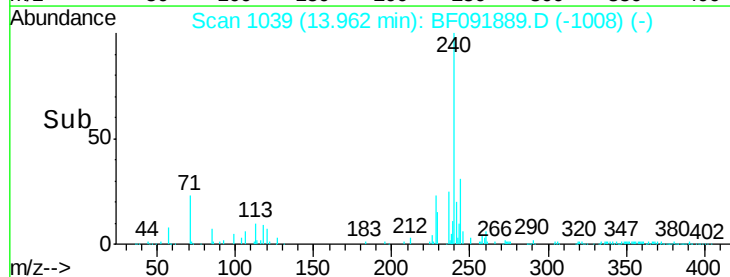
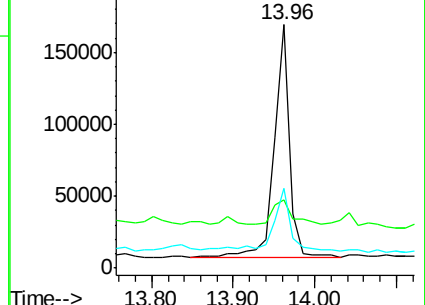
236 32.7 20.9 31.3#

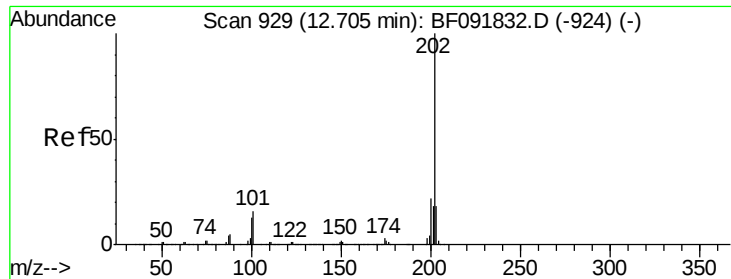


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 29.04 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.10 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

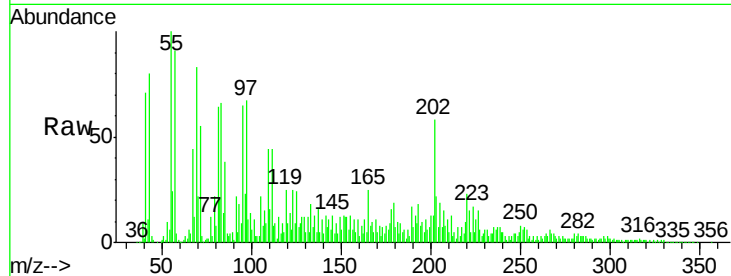
Tgt Ion:202 Resp: 451894

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

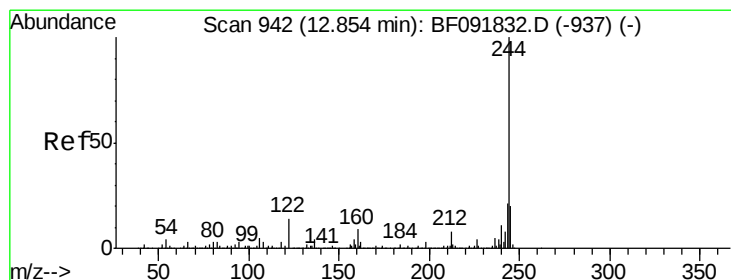
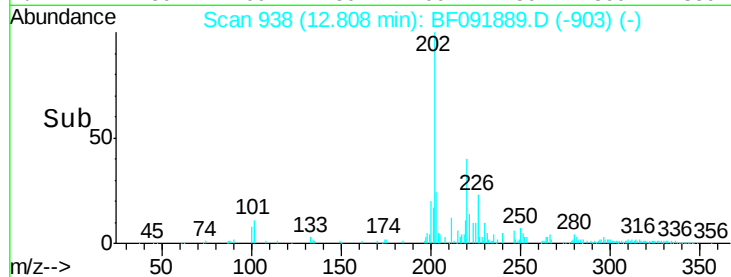
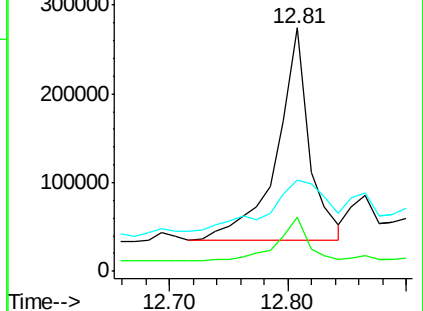
203 37.7 14.7 22.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 46.78 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.08 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

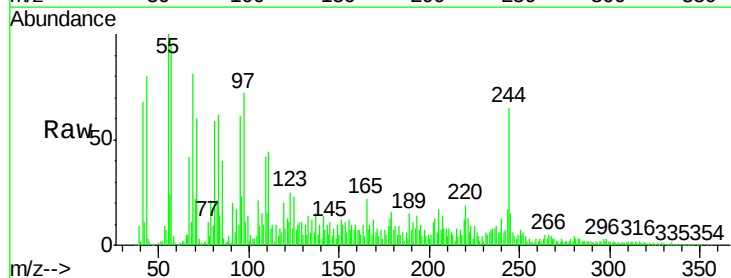
Tgt Ion:244 Resp: 409052

Ion Ratio Lower Upper

244 100

212 9.6 6.2 9.2#

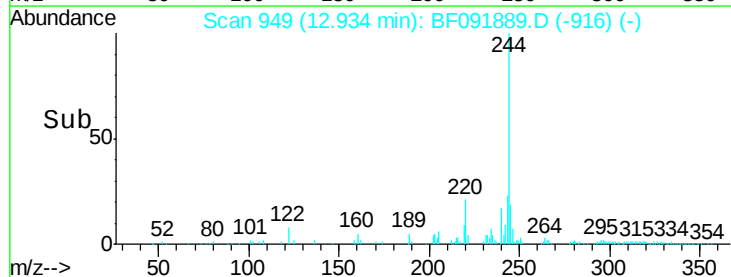
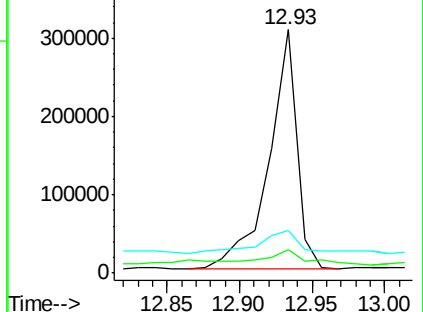
122 17.3 11.4 17.2#

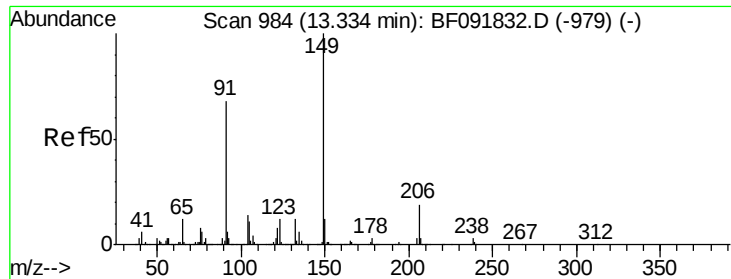


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

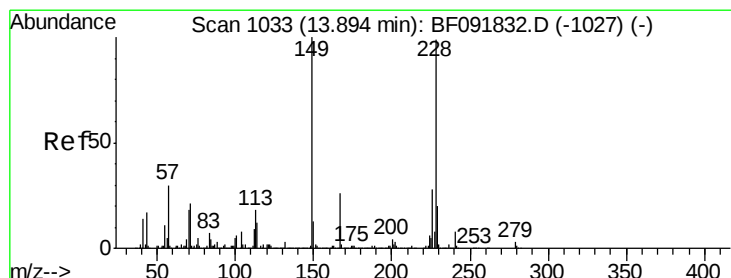
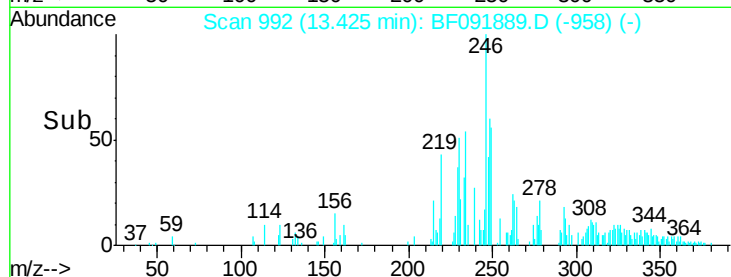
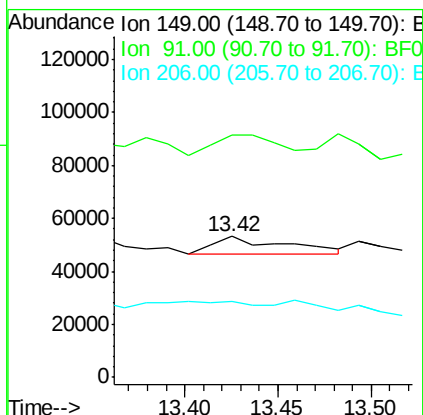
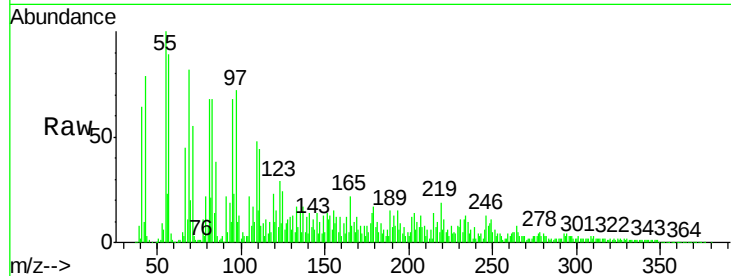




#79
Butylbenzylphthalate
Concen: 2.46 ng
RT: 13.42 min Scan# 992
Delta R.T. 0.09 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

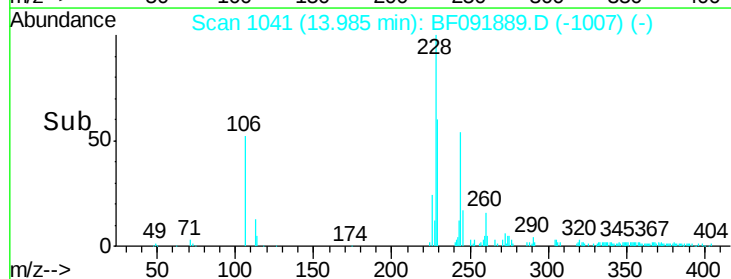
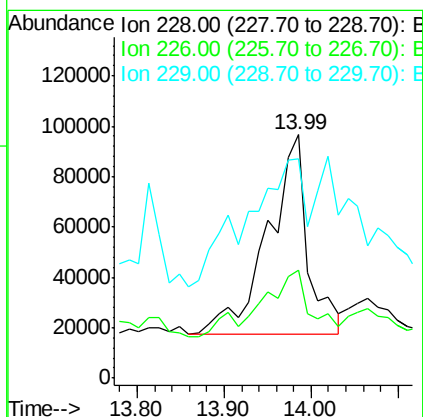
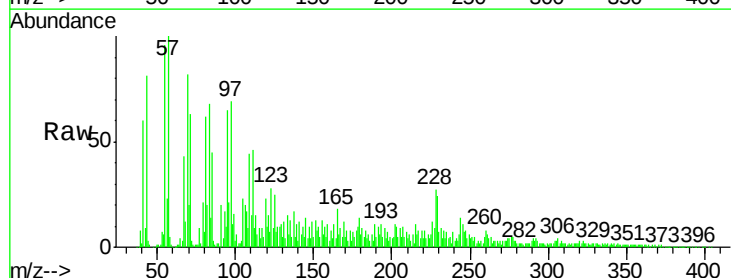
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

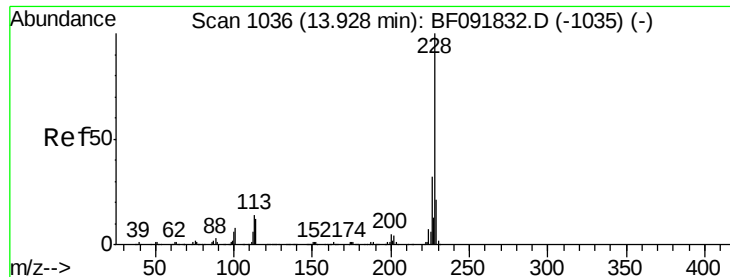
Tgt Ion:149 Resp: 17373
Ion Ratio Lower Upper
149 100
91 172.1 63.9 95.9#
206 54.1 14.6 21.8#



#80
Benzo(a)anthracene
Concen: 21.41 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.09 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:228 Resp: 256253
Ion Ratio Lower Upper
228 100
226 44.1 22.4 33.6#
229 90.1 16.2 24.4#





#82

Chrysene

Concen: 21.34 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.06 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916

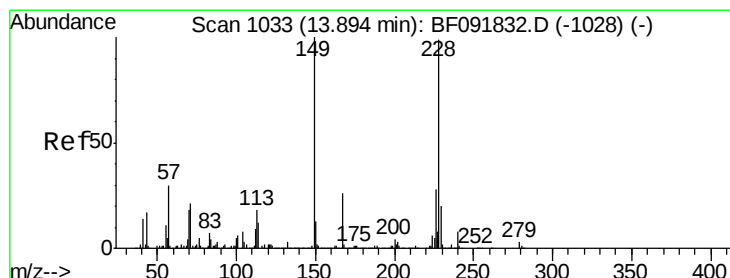
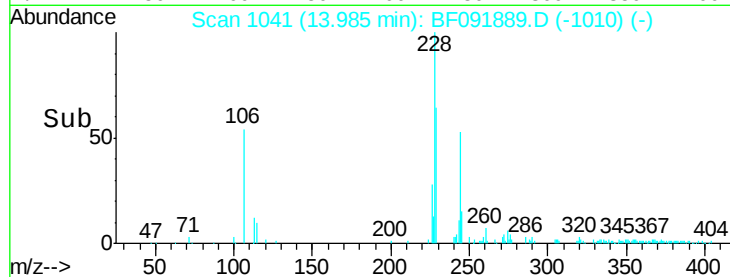
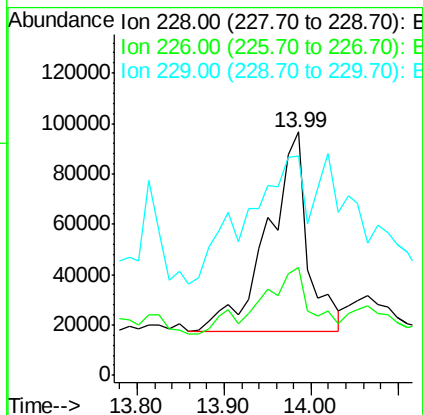
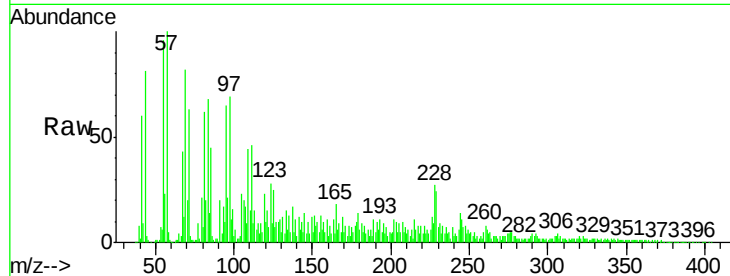
Tgt Ion:228 Resp: 256253

Ion Ratio Lower Upper

228 100

226 44.1 25.4 38.0#

229 90.1 16.2 24.2#



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.34 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.03 min

Lab File: BF091889.D

Acq: 22 Dec 2016 16:41

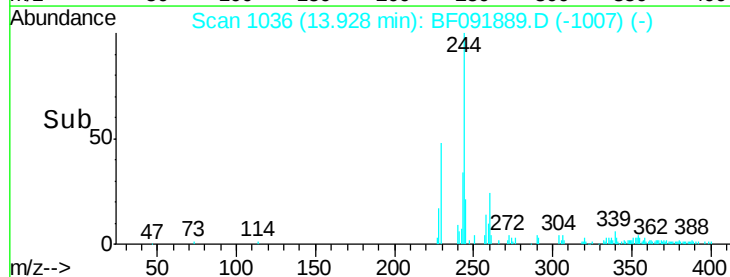
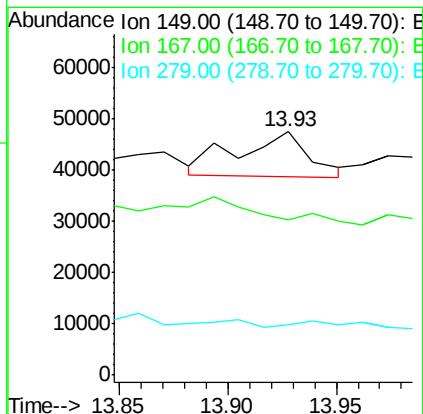
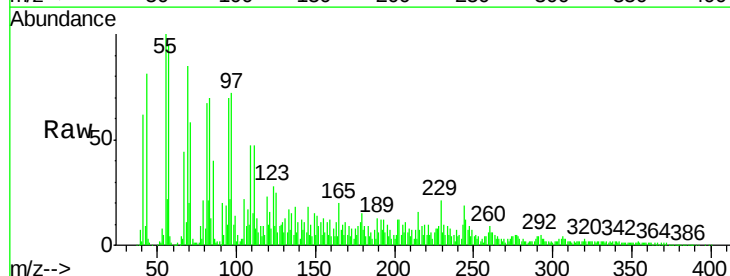
Tgt Ion:149 Resp: 19510

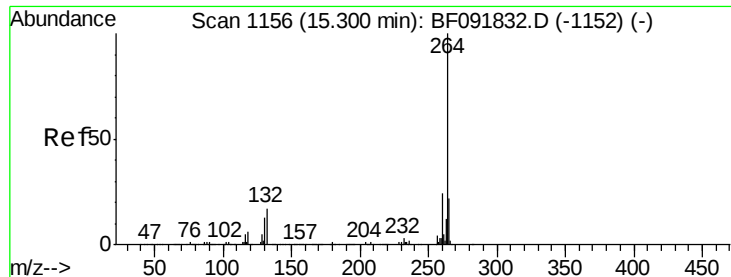
Ion Ratio Lower Upper

149 100

167 63.6 20.2 30.4#

279 20.9 1.8 2.8#

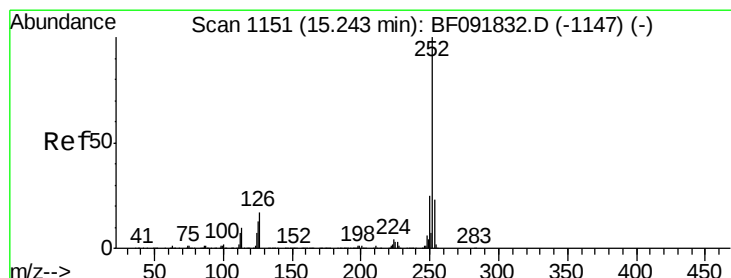
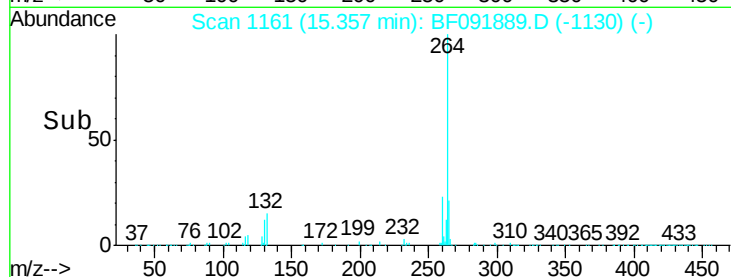
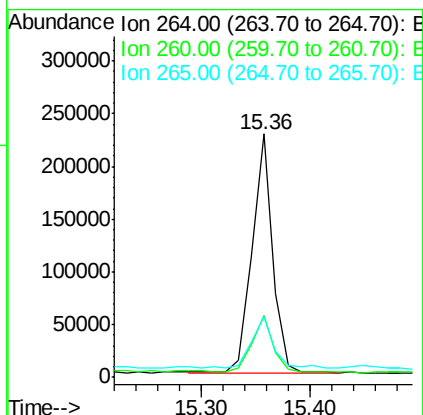
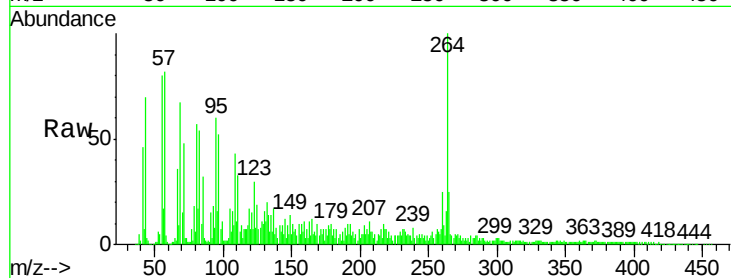




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.06 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916

Tgt Ion:264 Resp: 298650
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 24.8 17.4 26.0



#89
Benzo(a)pyrene
Concen: 2.06 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.06 min
Lab File: BF091889.D
Acq: 22 Dec 2016 16:41

Tgt Ion:252 Resp: 34067
Ion Ratio Lower Upper
252 100
253 72.5 18.2 27.2#
125 172.4 10.0 15.0#

