

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091695.D
 Acq On : 17 Dec 2016 1:35
 Operator : UM/SJ
 Sample : H6125-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45(10-12)-12-14-16

Quant Time: Dec 17 04:06:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	193183	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	459928	20.00	ng	0.02
38) Acenaphthene-d10	9.86	164	206234	20.00	ng	0.03
63) Phenanthrene-d10	11.32	188	434861	20.00	ng	0.01
75) Chrysene-d12	13.97	240	385626	20.00	ng	0.03
86) Perylene-d12	15.36	264	323568	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	1503339	131.11	ng	0.00
7) Phenol-d6	6.43	99	1948649	136.32	ng	0.00
23) Nitrobenzene-d5	7.36	82	1121353	136.08	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	260559	152.11	ng	0.01
44) 2-Fluorobiphenyl	9.18	172	624683	52.34	ng	0.03
78) Terphenyl-d14	12.96	244	791000	46.55	ng	0.06

Target Compounds

						Qvalue
9) Benzaldehyde	6.33	77	46766	4.75	ng	# 30
10) Phenol	6.44	94	114147	6.83	ng	# 89
15) Benzyl Alcohol	6.90	79	48514	4.30	ng	# 58
18) Hexachloroethane	7.29	117	178063	32.96	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	230747	25.81	ng	# 59
20) 3+4-Methylphenols	7.22	107	25695	Below Cal		# 1
22) Acetophenone	7.20	105	443628	40.26	ng	# 59
24) Nitrobenzene	7.34	77	233828	26.86	ng	# 28
25) Isophorone	7.63	82	1033206	70.53	ng	# 1
26) 2-Nitrophenol	7.66	139	105959	27.58	ng	# 1
27) 2,4-Dimethylphenol	7.76	122	123845	18.35	ng	# 1
28) bis(2-Chloroethoxy)methane	7.90	93	169029	19.67	ng	# 1
29) 2,4-Dichlorophenol	7.95	162	79652	13.56	ng	# 1
30) 1,2,4-Trichlorobenzene	8.00	180	53757	8.05	ng	# 69
31) Naphthalene	8.10	128	217187	10.15	ng	# 1
32) Benzoic acid	7.90	122	83553	20.39	ng	# 1
33) 4-Chloroaniline	8.16	127	105213	11.41	ng	# 1
35) Caprolactam	8.57	113	788420	459.75	ng	# 71
36) 4-Chloro-3-methylphenol	8.65	107	129744	19.70	ng	# 27
37) 2-Methylnaphthalene	8.83	142	188425	13.60	ng	# 76
42) 2,4,6-Trichlorophenol	9.12	196	52020	14.31	ng	# 13
43) 2,4,5-Trichlorophenol	9.12	196	52020	13.93	ng	# 1
45) 1,1'-Biphenyl	9.04	154	54776	3.67	ng	# 89
47) 2-Nitroaniline	9.41	65	125440	32.25	ng	# 2
48) Acenaphthylene	9.72	152	68430	3.88	ng	# 1
49) Dimethylphthalate	9.56	163	207448	15.89	ng	# 70
50) 2,6-Dinitrotoluene	9.64	165	107312	37.44	ng	# 81
51) Acenaphthene	9.89	154	57913	4.73	ng	# 6
52) 3-Nitroaniline	9.81	138	47318	14.05	ng	# 38
53) 2,4-Dinitrophenol	9.90	184	2119	4.04	ng	# 1
54) Dibenzofuran	10.05	168	131481	8.68	ng	# 1
55) 4-Nitrophenol	9.96	139	82093	32.77	ng	# 1
56) 2,4-Dinitrotoluene	10.06	165	45304	12.61	ng	# 72
57) Fluorene	10.38	166	162209	11.25	ng	# 69

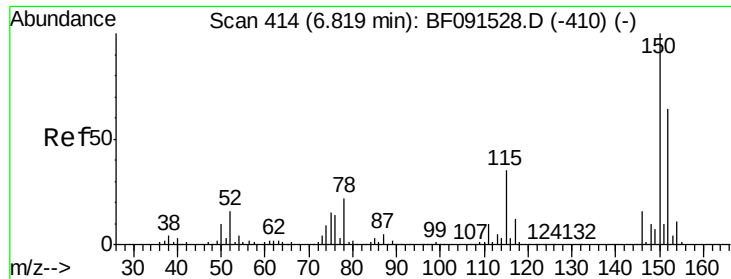
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091695.D
 Acq On : 17 Dec 2016 1:35
 Operator : UM/SJ
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	10.41	204	20479	3.76	ng	# 1
62) Azobenzene	10.56	77	83886	5.89	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.45	198	2959	4.00	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	298130	23.00	ng	# 44
68) Atrazine	11.00	200	57620	13.82	ng	# 1
70) Phenanthrene	11.34	178	224312	10.42	ng	# 88
71) Anthracene	11.39	178	69032	2.97	ng	# 42
72) Carbazole	11.57	167	99125	4.87	ng	# 43
73) Di-n-butylphthalate	11.88	149	50238	2.12	ng	# 8
74) Fluoranthene	12.42	202	200968	8.91	ng	92
76) Benzidine	12.67	184	39660	3.33	ng	# 1
80) Benzo(a)anthracene	13.96	228	45661	2.04	ng	# 43
82) Chrysene	14.00	228	56961	2.43	ng	# 42
83) Bis(2-ethylhexyl)phthalate	13.94	149	208836	13.65	ng	# 48
87) Benzo(b)fluoranthene	14.96	252	74795	3.88	ng	# 58
88) Benzo(k)fluoranthene	14.96	252	74795	4.41	ng	# 59
89) Benzo(a)pyrene	15.30	252	36915	2.12	ng	# 43

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

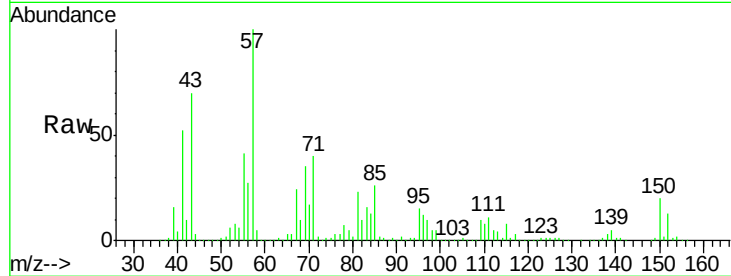


#1

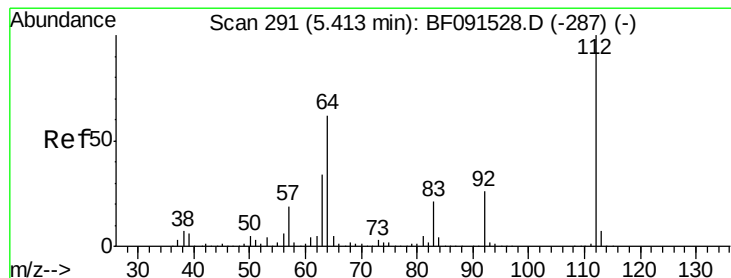
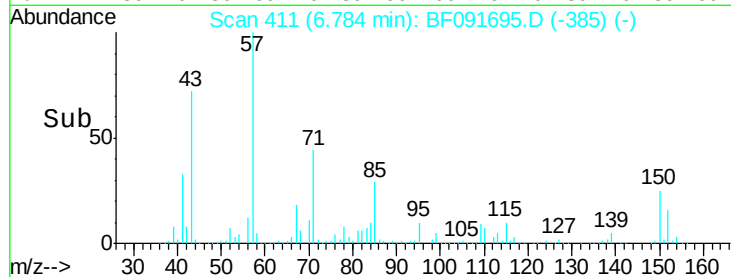
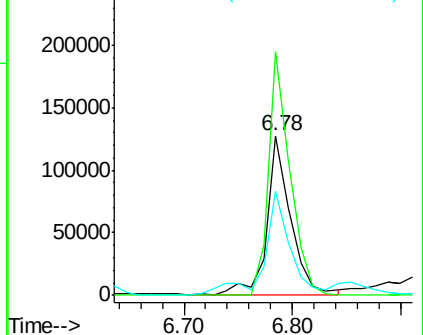
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

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BNA_F
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Tgt Ion:152 Resp: 193183
Ion Ratio Lower Upper
152 100
150 153.0 122.5 183.7
115 65.0 51.8 77.8



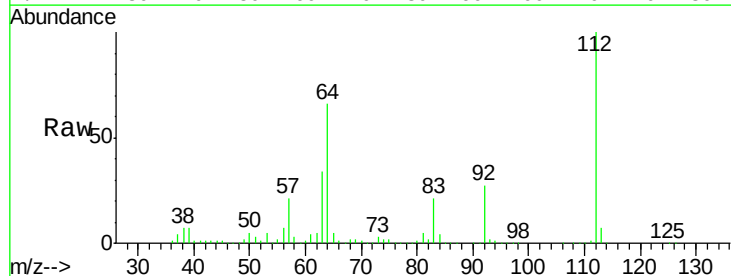
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



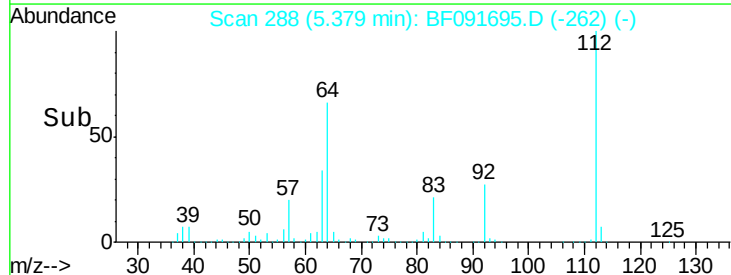
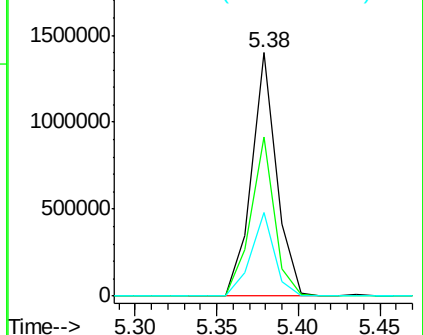
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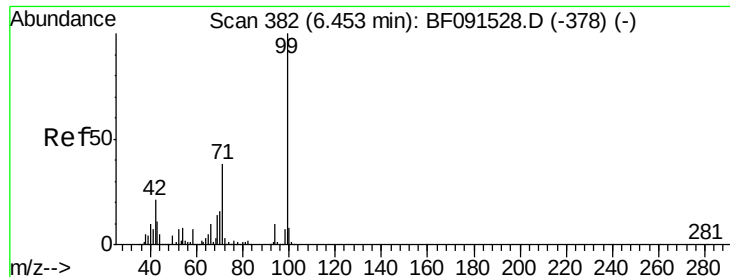
2-Fluorophenol
Concen: 131.11 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:112 Resp: 1503339
Ion Ratio Lower Upper
112 100
64 65.5 61.5 92.3
63 34.2 33.3 49.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.32 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

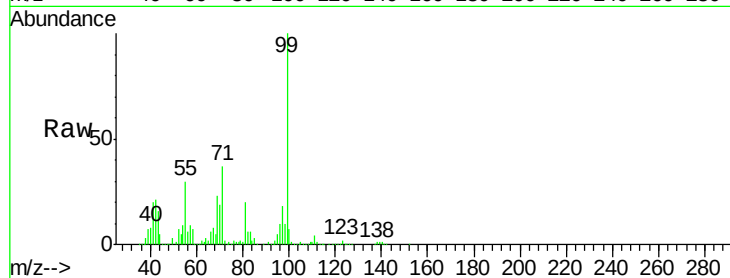
Tgt Ion: 99 Resp: 1948649

Ion Ratio Lower Upper

99 100

42 20.7 20.6 31.0

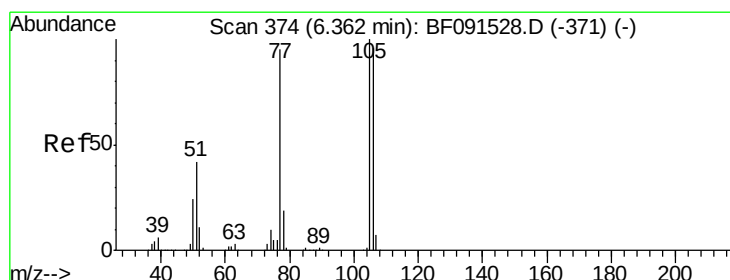
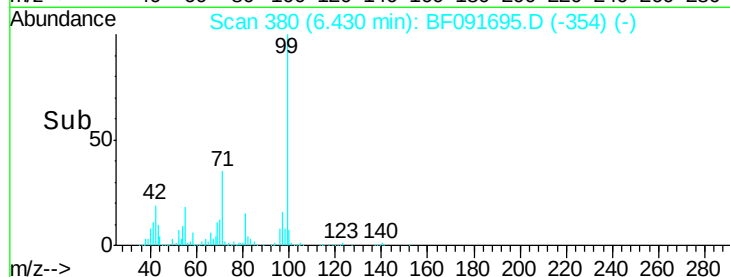
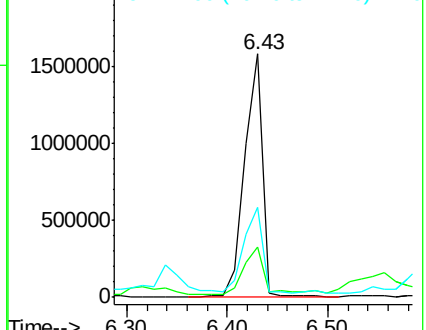
71 37.1 29.9 44.9



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: 4.75 ng

RT: 6.33 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

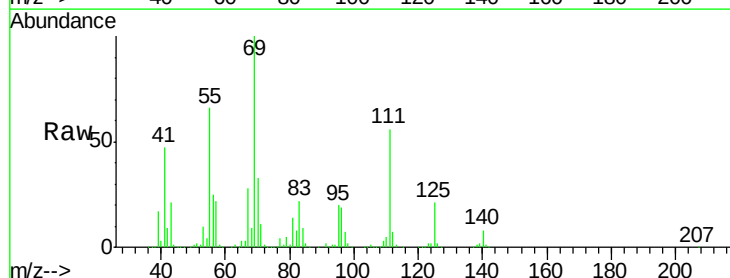
Tgt Ion: 77 Resp: 46766

Ion Ratio Lower Upper

77 100

105 35.0 66.4 106.4#

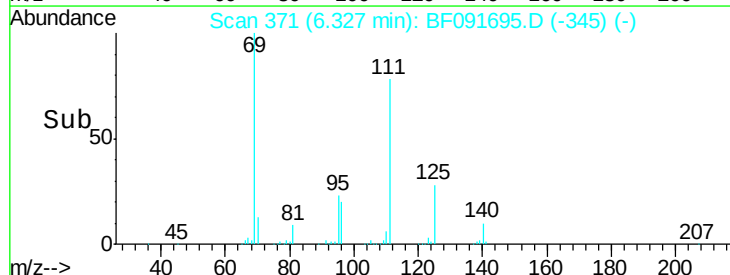
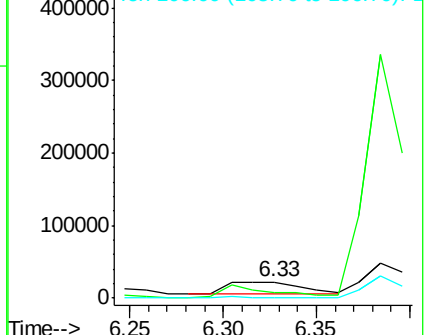
106 5.9 60.9 100.9#

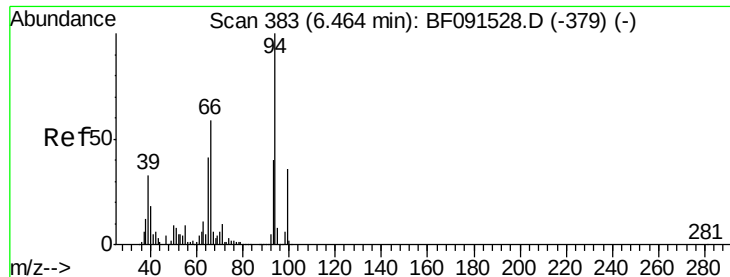


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.83 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

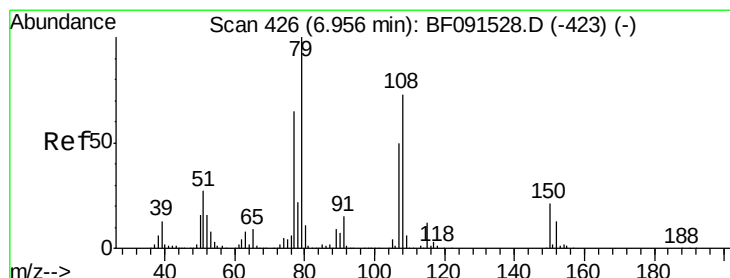
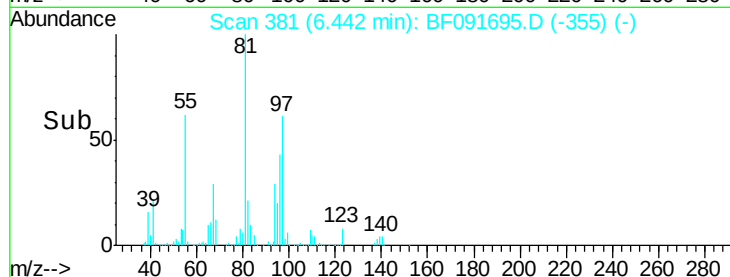
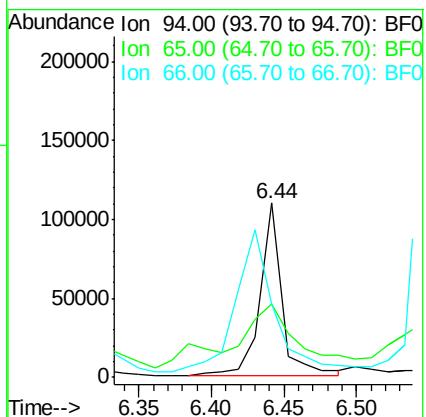
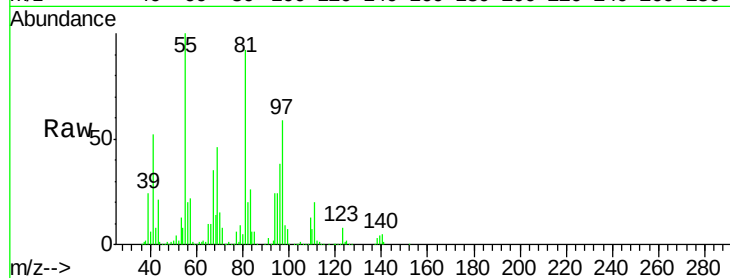
Tgt Ion: 94 Resp: 114147

Ion Ratio Lower Upper

94 100

65 42.4 16.9 56.9

66 41.9 30.6 70.6



#15

Benzyl Alcohol

Concen: 4.30 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.03 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

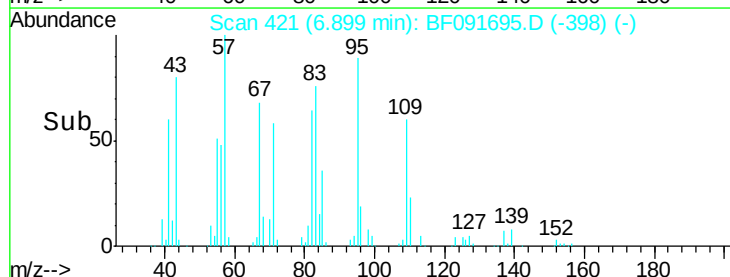
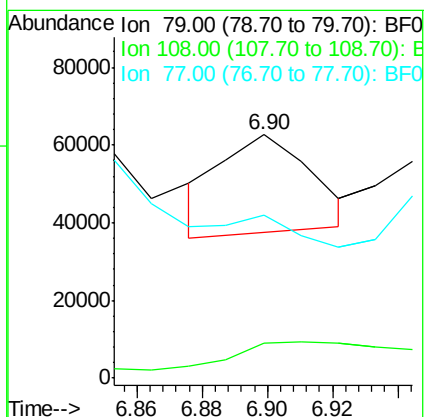
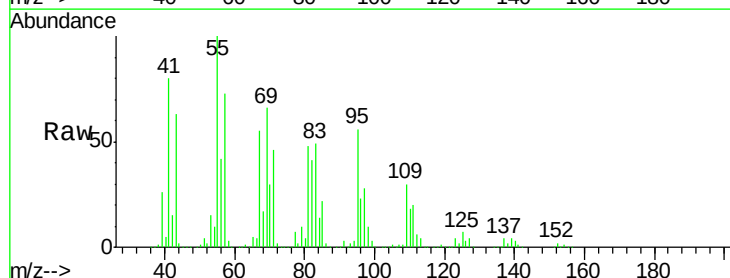
Tgt Ion: 79 Resp: 48514

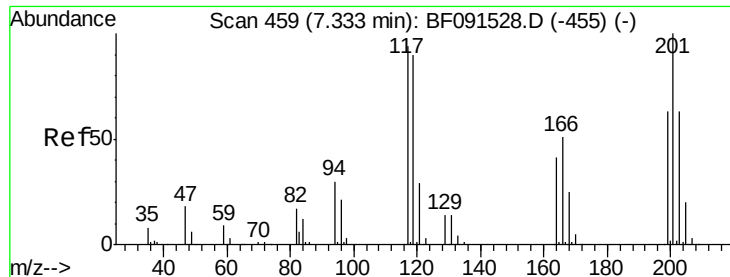
Ion Ratio Lower Upper

79 100

108 14.5 62.7 94.1#

77 67.1 51.7 77.5

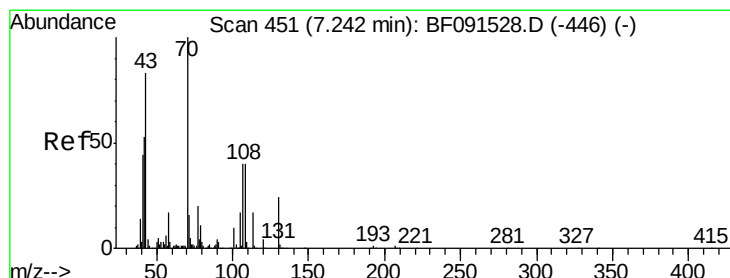
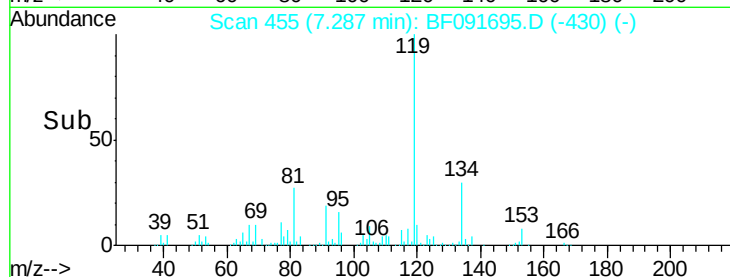
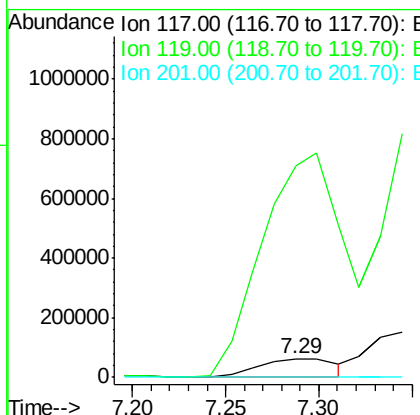
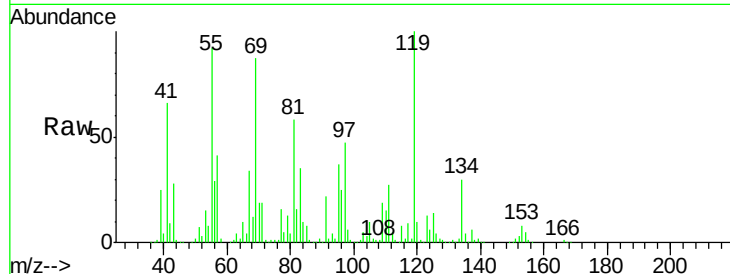




#18
Hexachloroethane
Concen: 32.96 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

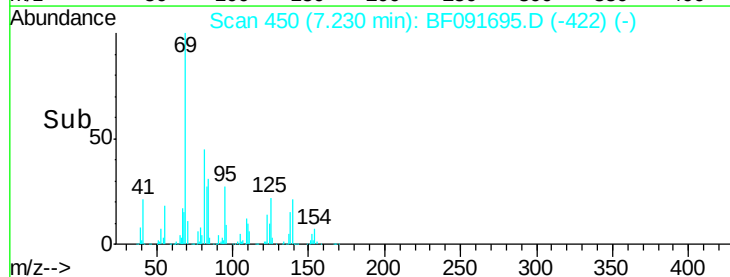
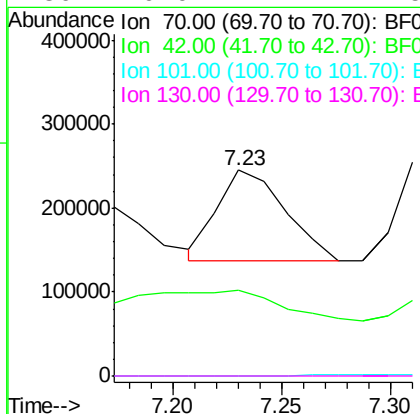
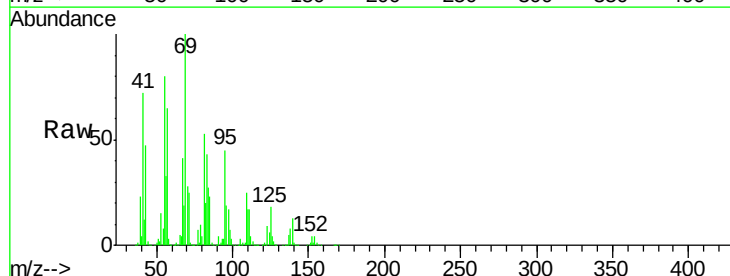
Instrument :
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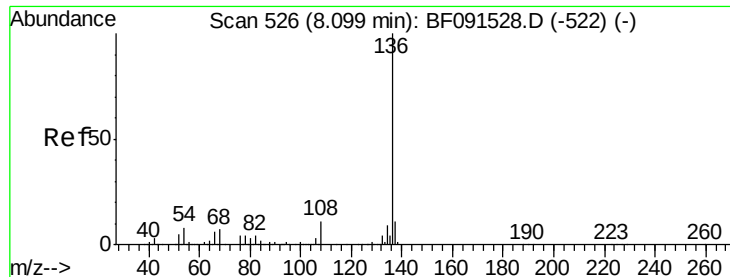
Tgt Ion: 117 Resp: 178063
Ion Ratio Lower Upper
117 100
119 1131.2 78.6 118.0#
201 0.0 86.7 130.1#



#19
n-Nitroso-di-n-propylamine
Concen: 25.81 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.02 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion: 70 Resp: 230747
Ion Ratio Lower Upper
70 100
42 41.6 64.8 97.2#
101 0.0 6.2 9.4#
130 0.0 11.7 17.5#

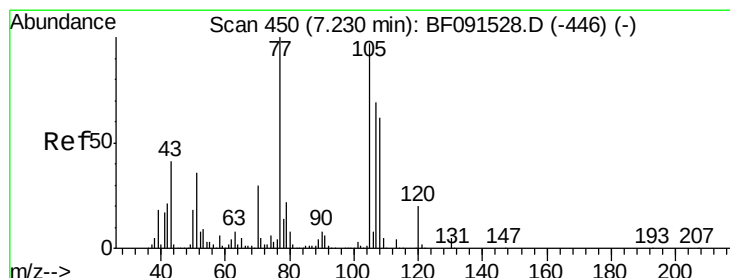
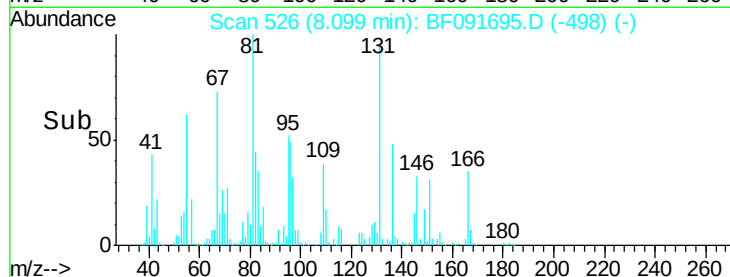
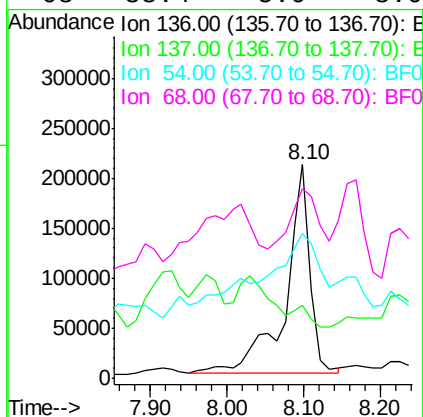
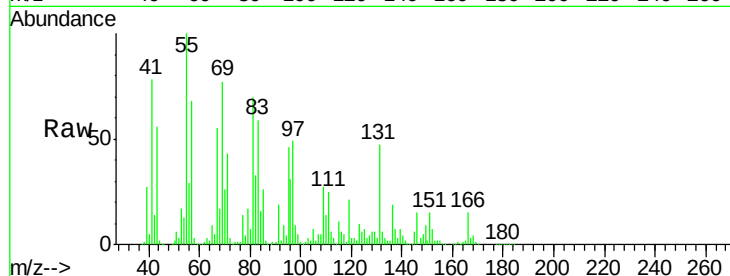




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.02 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

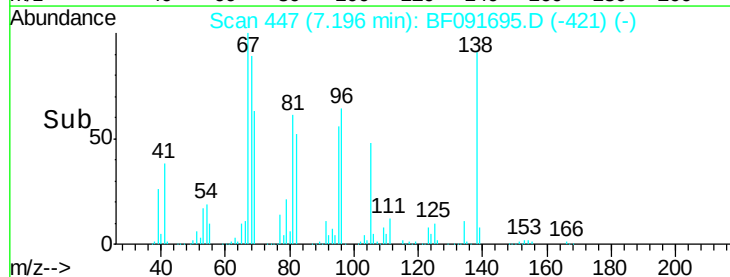
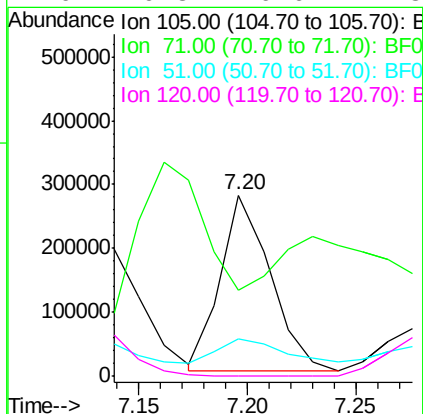
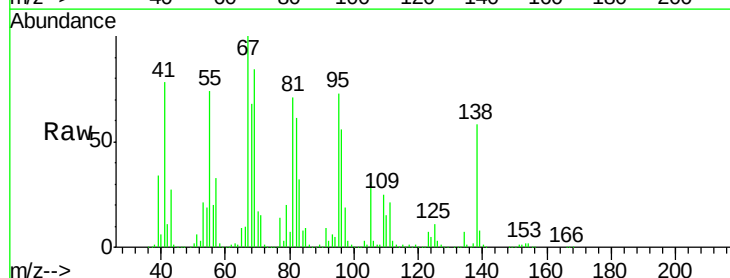
Instrument :
BNA_F
ClientSampleId :
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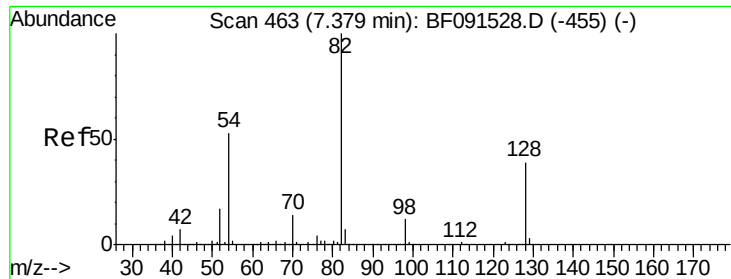
Tgt Ion:	136	Resp:	459928
Ion Ratio	Lower	Upper	
136	100		
137	33.9	9.1	13.7#
54	67.6	9.1	13.7#
68	88.4	5.9	8.9#



#22
Acetophenone
Concen: 40.26 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:	105	Resp:	443628
Ion Ratio	Lower	Upper	
105	100		
71	47.8	7.9	11.9#
51	20.4	24.5	36.7#
120	0.3	16.6	24.8#

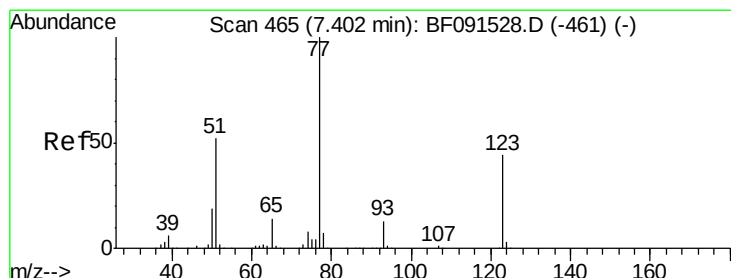
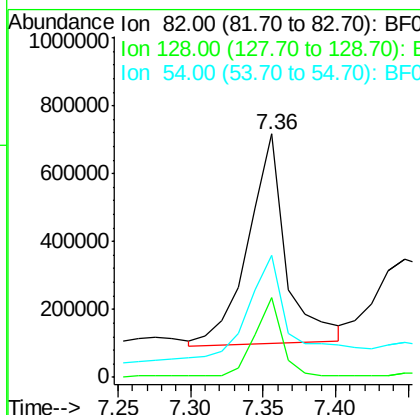
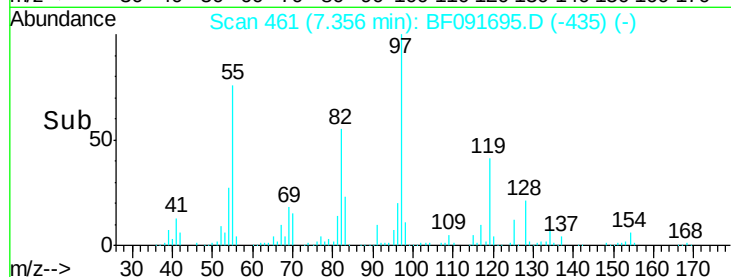
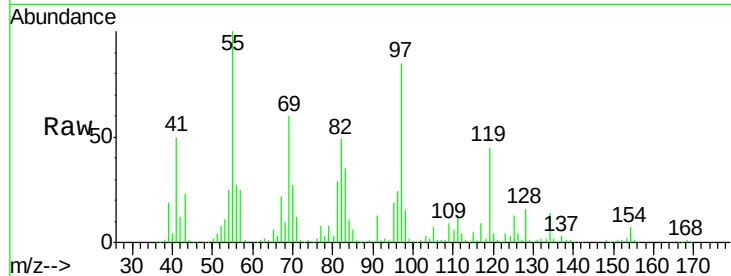




#23
 Nitrobenzene-d5
 Concen: 136.08 ng
 RT: 7.36 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

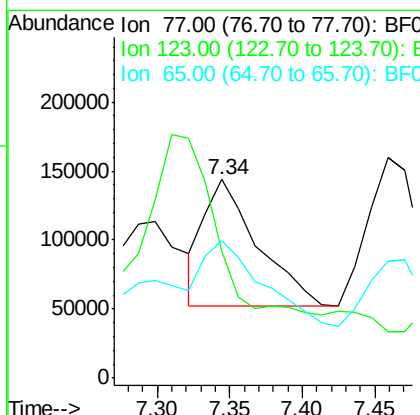
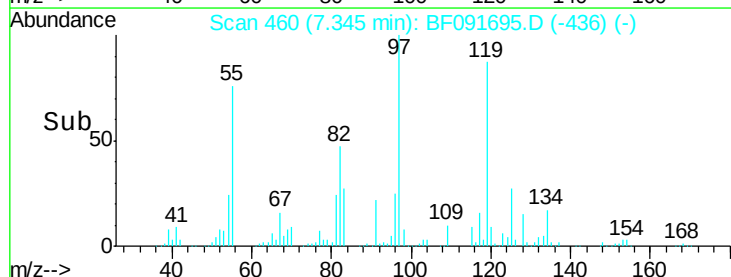
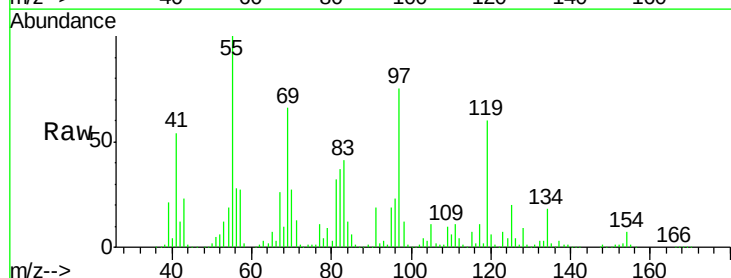
Instrument :
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 SB-45(10-12)-12-14-16

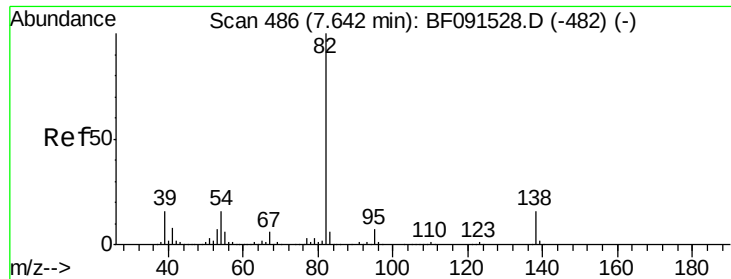
Tgt Ion: 82 Resp: 1121353
 Ion Ratio Lower Upper
 82 100
 128 32.8 31.8 47.6
 54 49.9 49.1 73.7



#24
 Nitrobenzene
 Concen: 26.86 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

Tgt Ion: 77 Resp: 233828
 Ion Ratio Lower Upper
 77 100
 123 63.9 28.5 42.7#
 65 69.2 12.5 18.7#





#25

Isophorone

Concen: 70.53 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

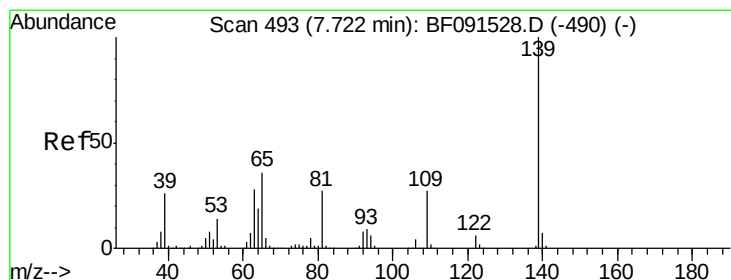
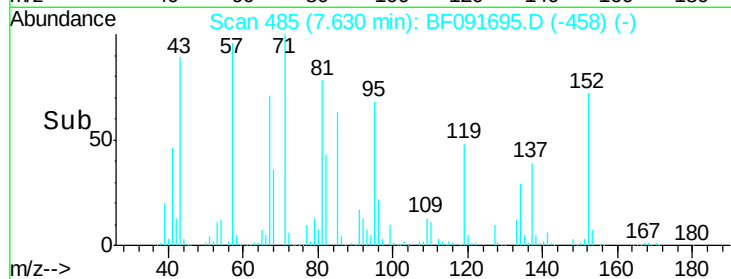
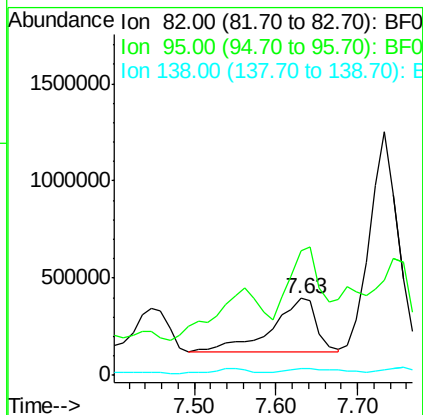
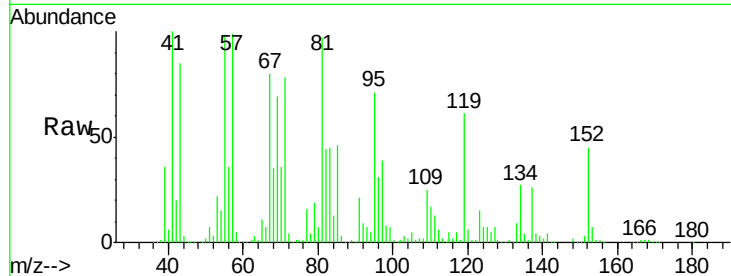
Tgt Ion: 82 Resp: 1033206

Ion Ratio Lower Upper

82 100

95 162.3 5.7 8.5#

138 8.4 13.4 20.0#



#26

2-Nitrophenol

Concen: 27.58 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

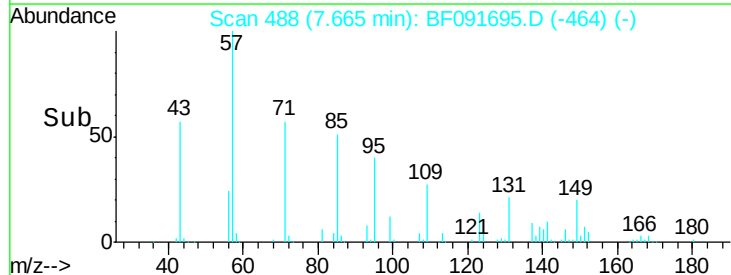
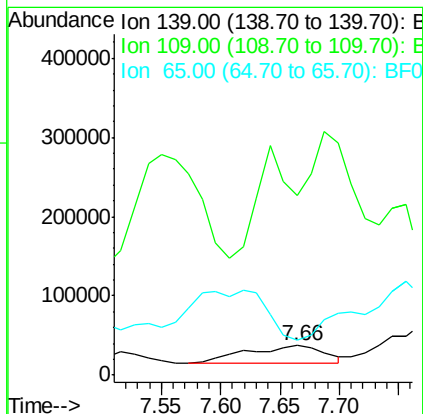
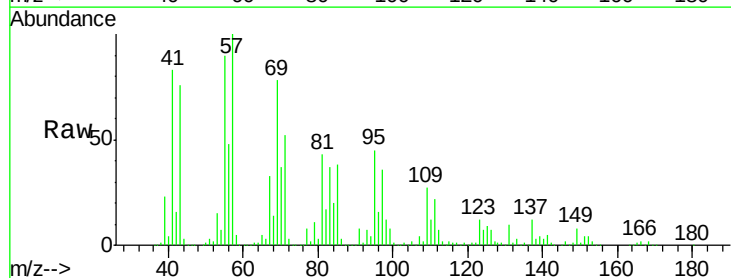
Tgt Ion: 139 Resp: 105959

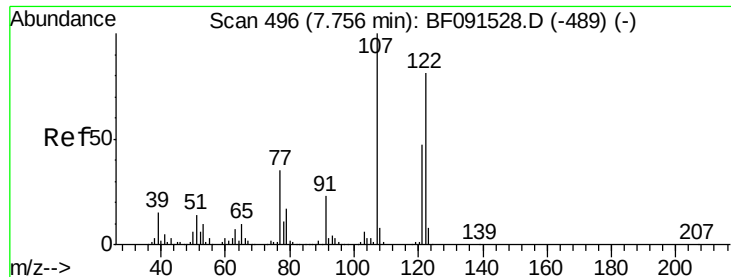
Ion Ratio Lower Upper

139 100

109 604.3 25.3 37.9#

65 119.8 55.4 83.2#





#27

2,4-Dimethylphenol

Concen: 18.35 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

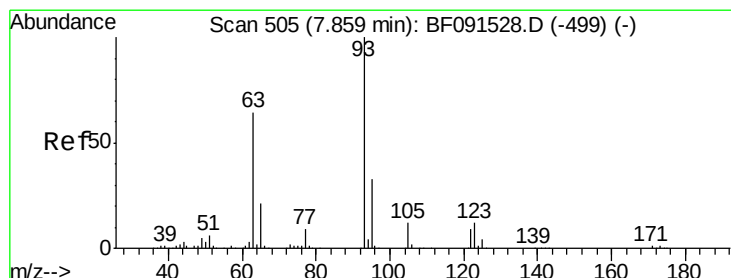
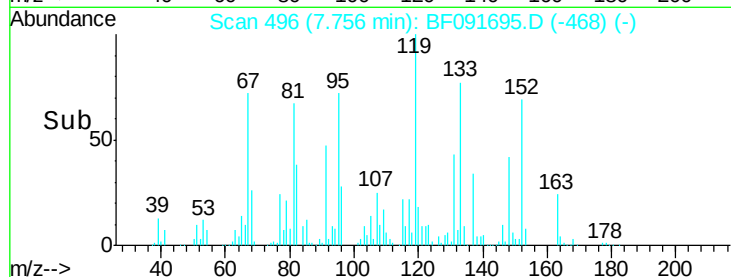
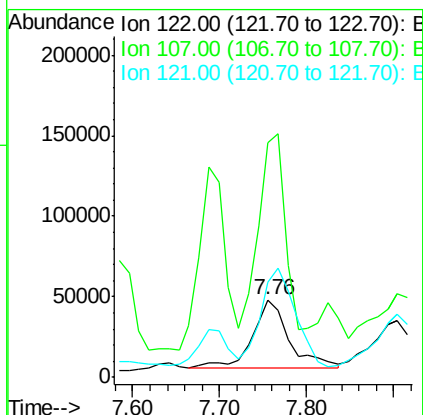
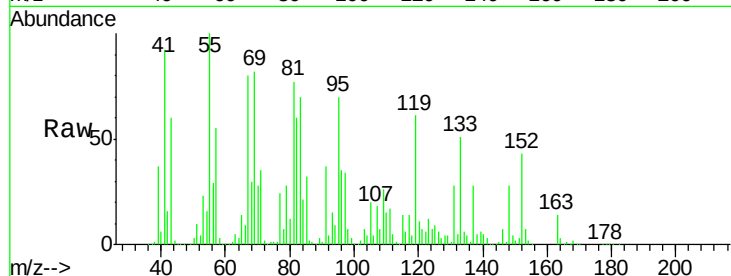
Tgt Ion:122 Resp: 123845

Ion Ratio Lower Upper

122 100

107 303.0 96.8 145.2#

121 122.1 47.7 71.5#



#28

bis(2-Chloroethoxy)methane

Concen: 19.67 ng

RT: 7.90 min Scan# 509

Delta R.T. 0.08 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

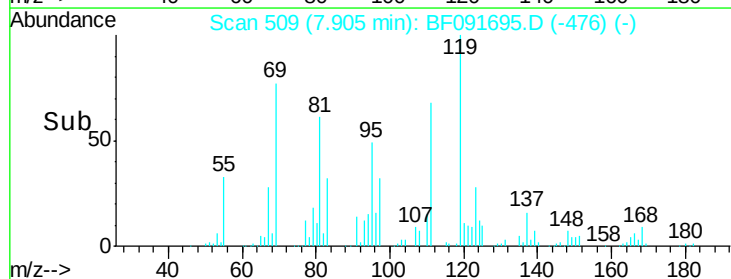
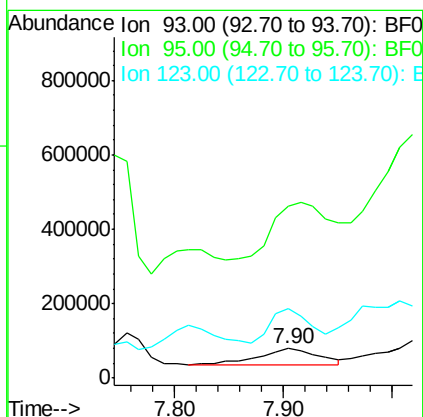
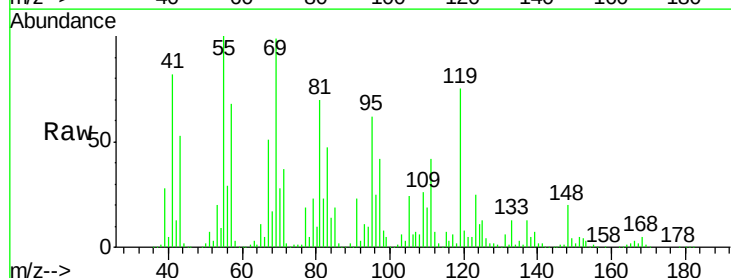
Tgt Ion: 93 Resp: 169029

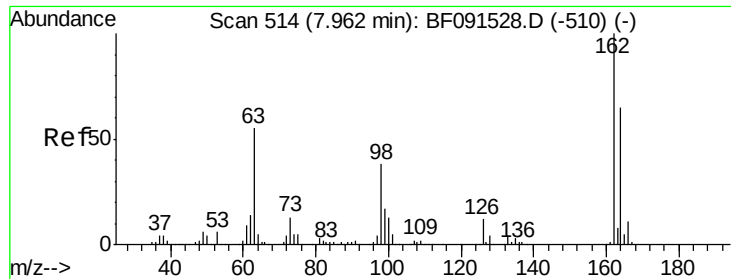
Ion Ratio Lower Upper

93 100

95 582.9 26.0 39.0#

123 236.7 8.6 12.8#

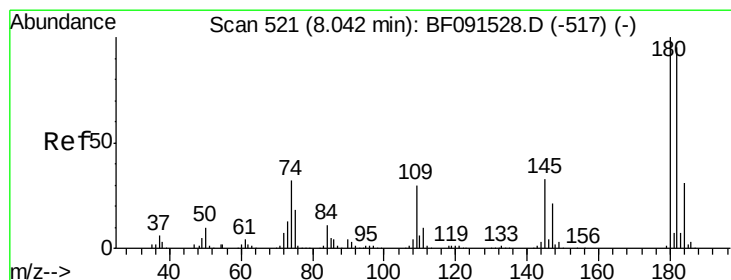
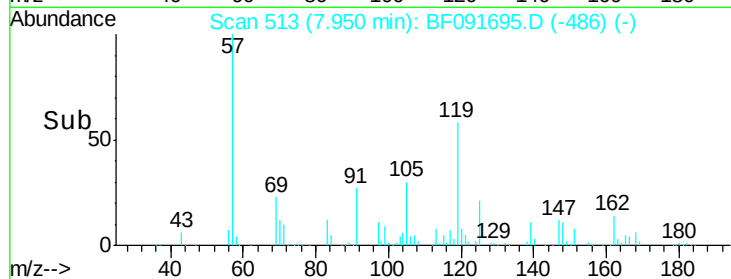
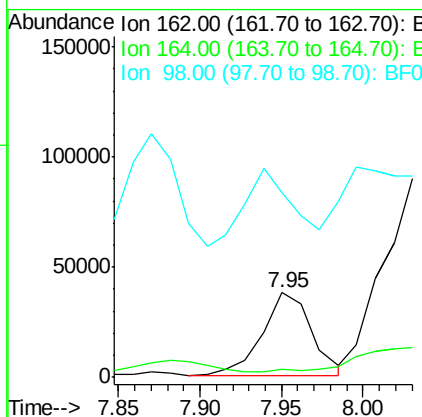
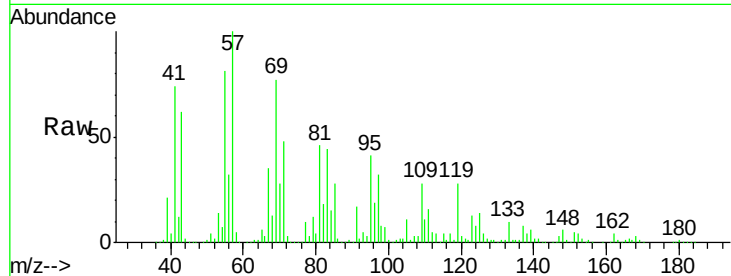




#29
2,4-Dichlorophenol
Concen: 13.56 ng
RT: 7.95 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

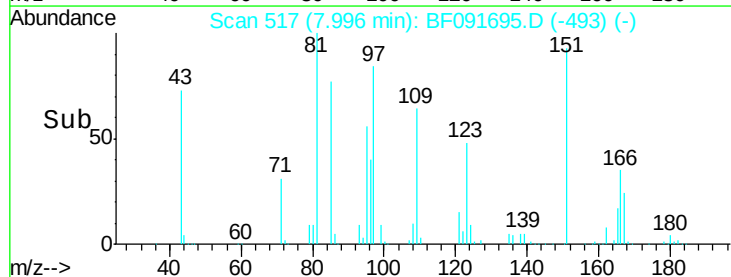
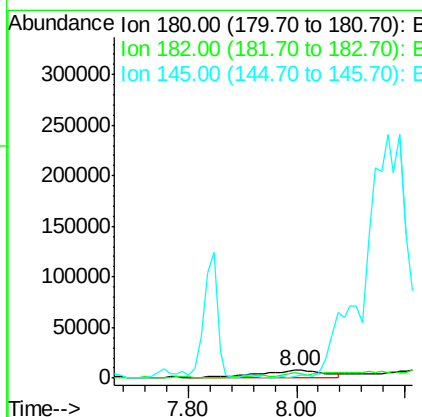
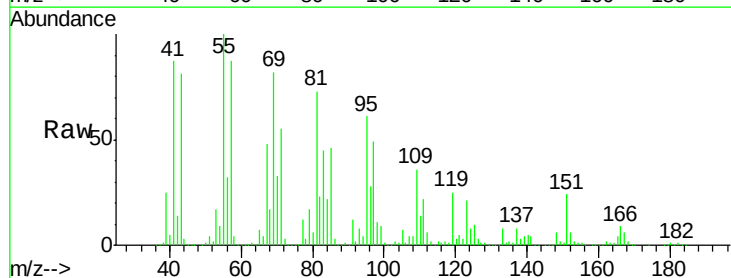
Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

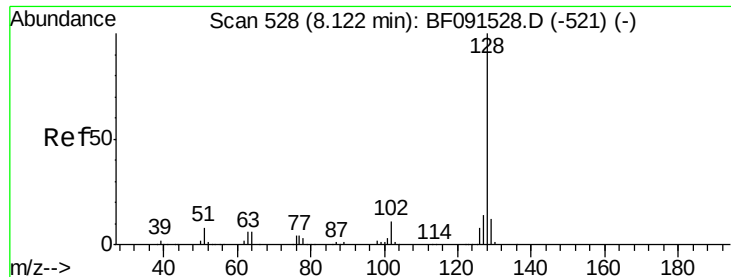
Tgt Ion:162 Resp: 79652
Ion Ratio Lower Upper
162 100
164 9.0 45.0 85.0#
98 218.9 21.3 61.3#



#30
1,2,4-Trichlorobenzene
Concen: 8.05 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:180 Resp: 53757
Ion Ratio Lower Upper
180 100
182 66.8 75.8 113.8#
145 13.7 27.0 40.4#

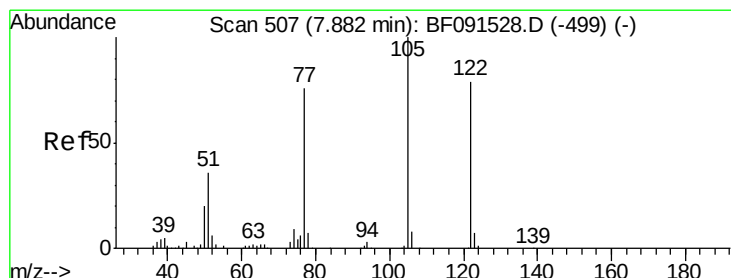
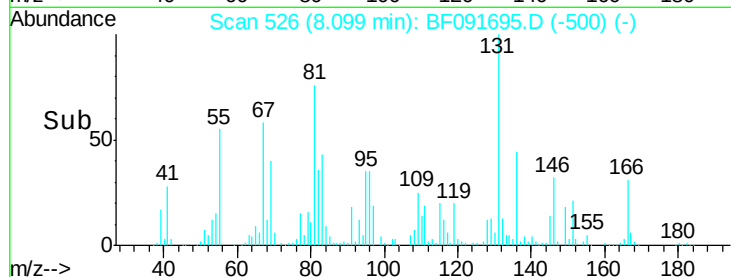
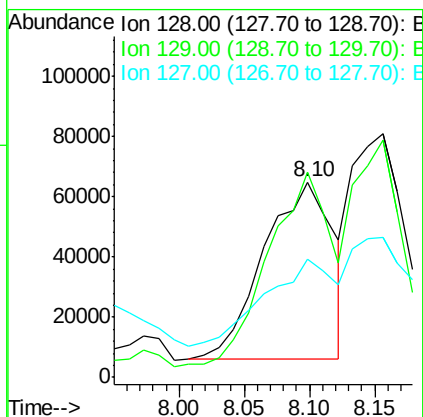
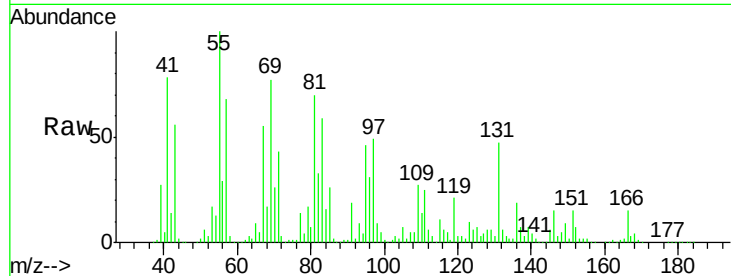




#31
Naphthalene
Concen: 10.15 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

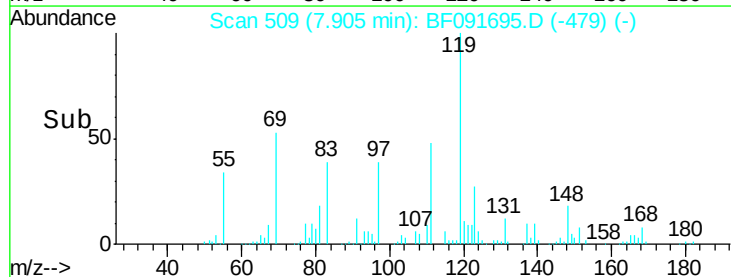
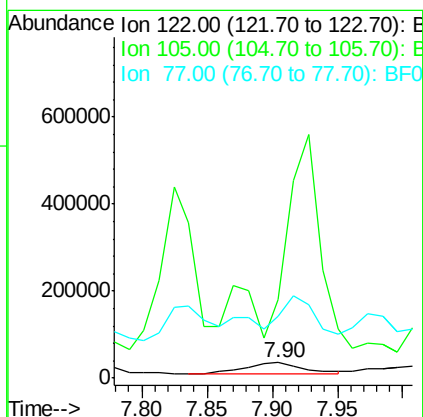
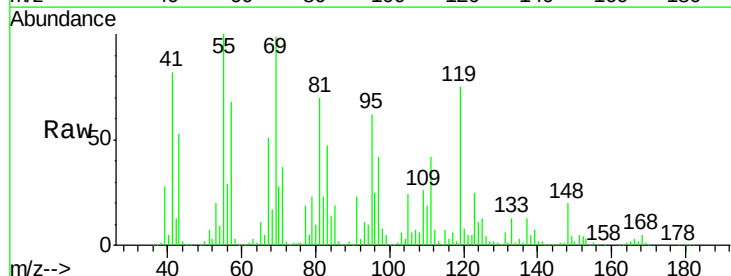
Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

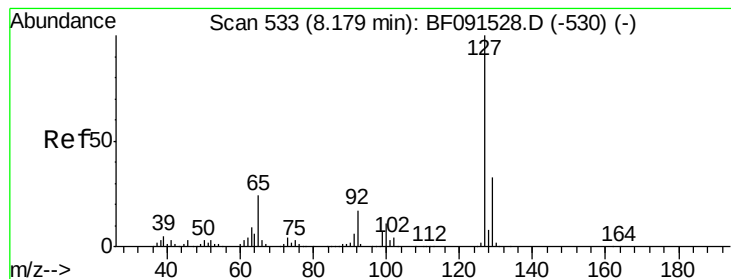
Tgt Ion:128 Resp: 217187
Ion Ratio Lower Upper
128 100
129 105.0 9.1 13.7#
127 60.3 11.0 16.4#



#32
Benzoic acid
Concen: 20.39 ng
RT: 7.90 min Scan# 509
Delta R.T. 0.05 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:122 Resp: 83553
Ion Ratio Lower Upper
122 100
105 519.3 113.0 153.0#
77 408.4 82.0 122.0#





#33

4-Chloroaniline

Concen: 11.41 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

Tgt Ion:127 Resp: 105213

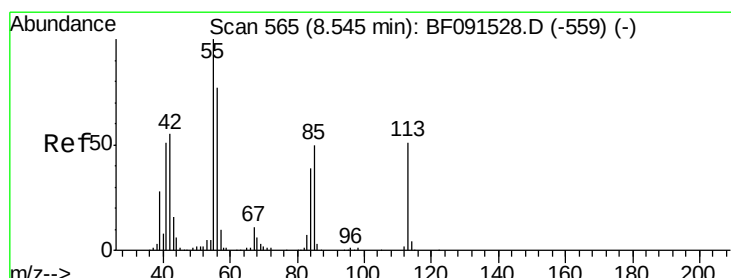
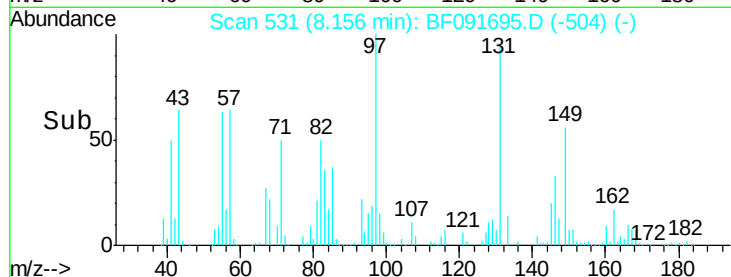
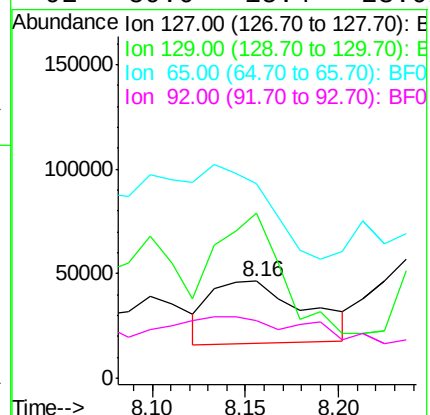
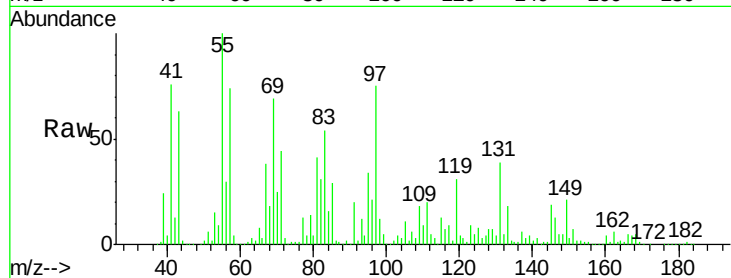
Ion Ratio Lower Upper

127 100

129 170.5 26.2 39.4#

65 201.0 26.6 39.8#

92 59.0 15.4 23.0#



#35

Caprolactam

Concen: 459.75 ng

RT: 8.57 min Scan# 567

Delta R.T. 0.05 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

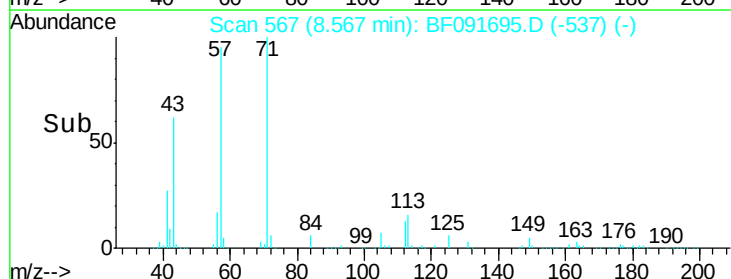
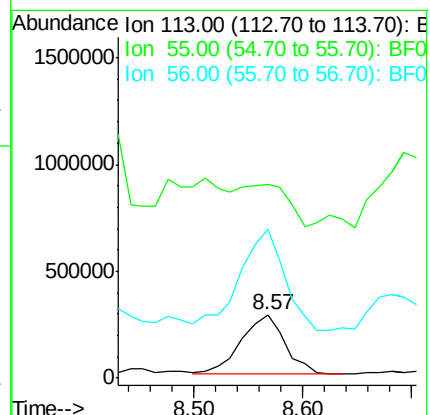
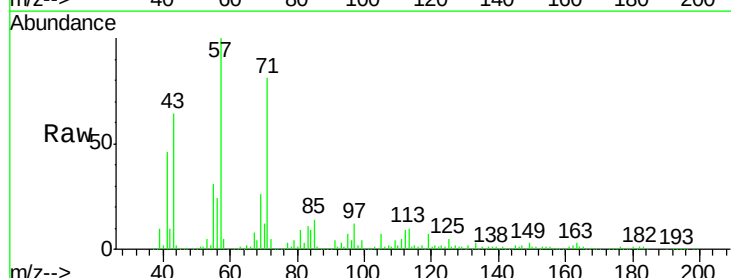
Tgt Ion:113 Resp: 788420

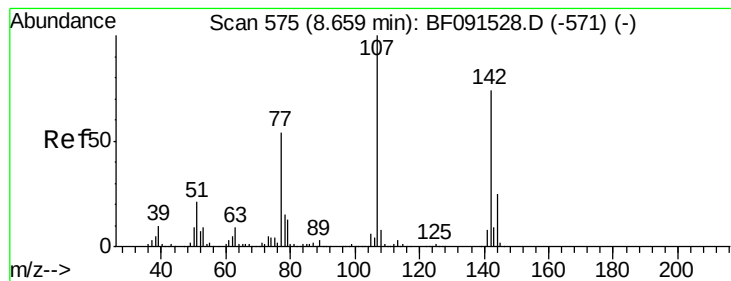
Ion Ratio Lower Upper

113 100

55 304.9 239.8 279.8#

56 234.5 165.6 205.6#





#36

4-Chloro-3-methylphenol

Concen: 19.70 ng

RT: 8.65 min Scan# 574

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

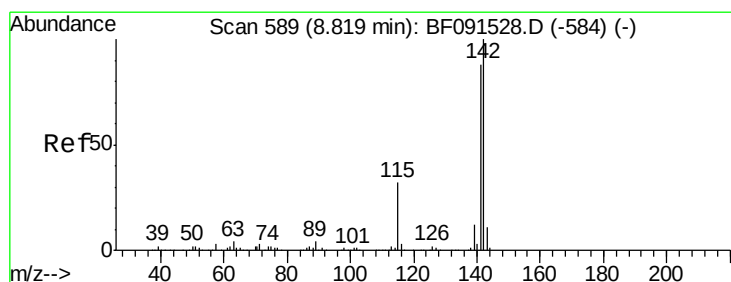
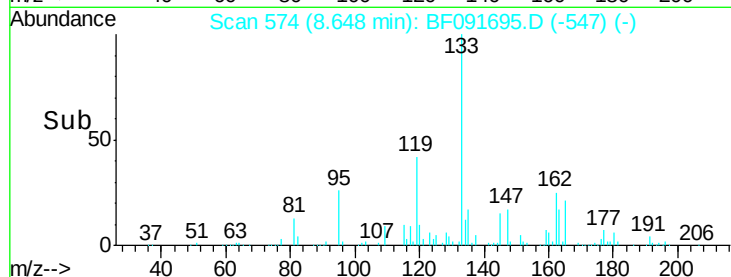
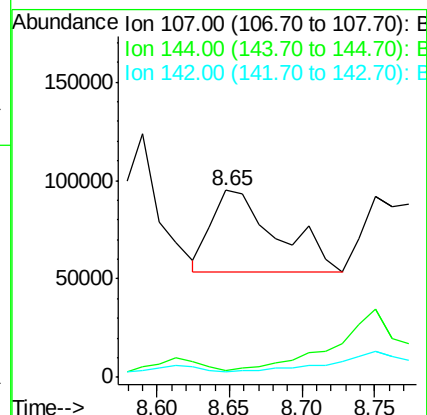
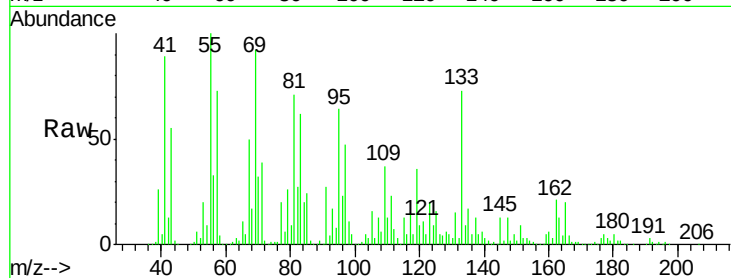
Tgt Ion:107 Resp: 129744

Ion Ratio Lower Upper

107 100

144 3.5 18.9 28.3#

142 3.2 58.5 87.7#



#37

2-Methylnaphthalene

Concen: 13.60 ng

RT: 8.83 min Scan# 590

Delta R.T. 0.05 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

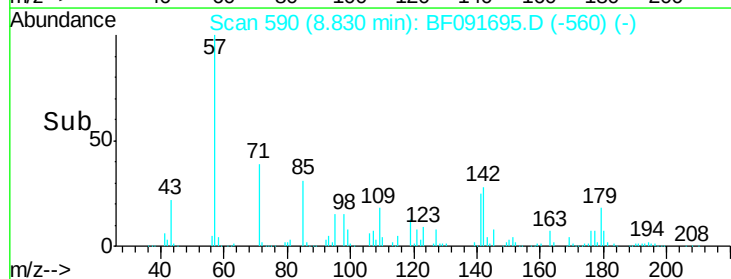
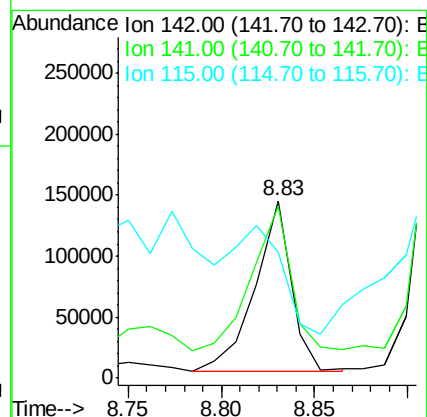
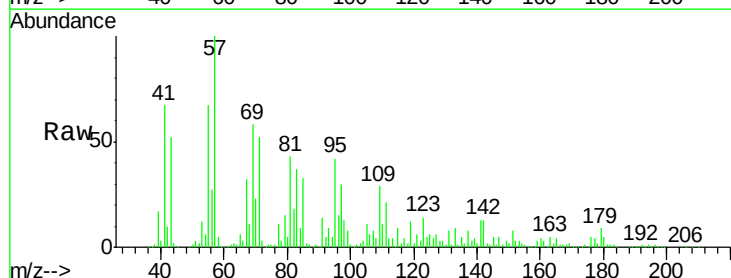
Tgt Ion:142 Resp: 188425

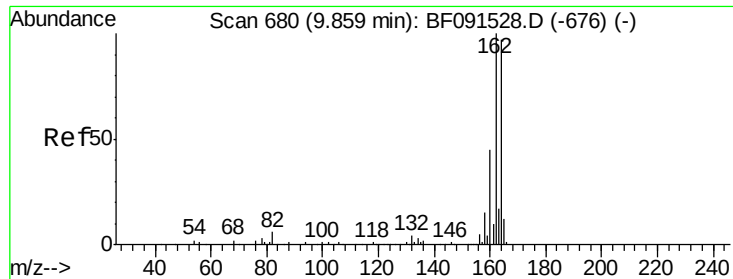
Ion Ratio Lower Upper

142 100

141 96.5 71.7 107.5

115 71.0 25.0 37.6#

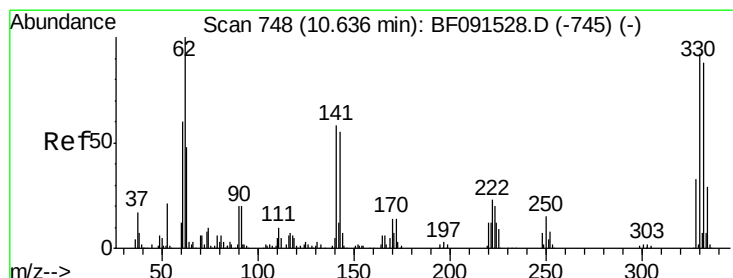
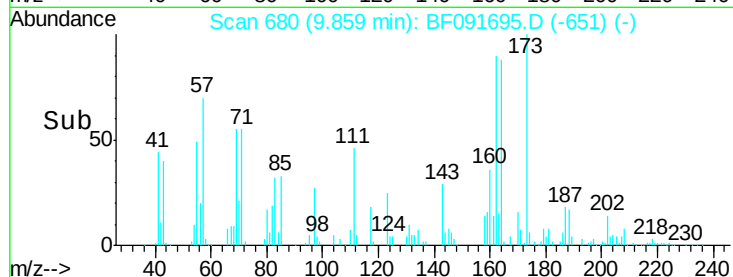
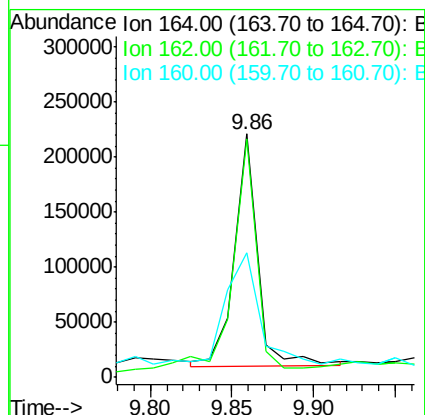
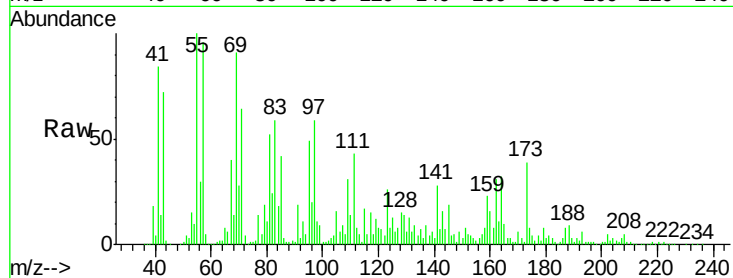




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.03 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

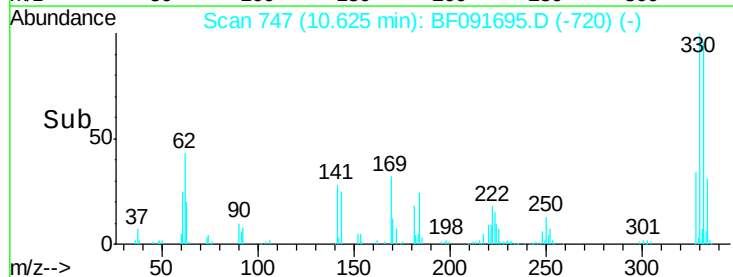
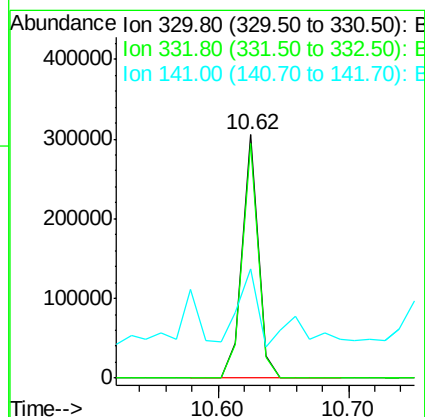
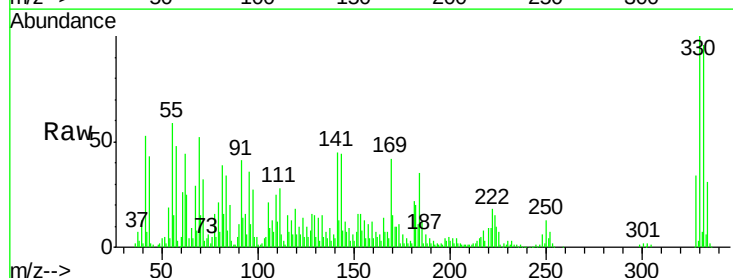
Instrument :
 BNA_F
 ClientSampleId :
 SB-45(10-12)-12-14-16

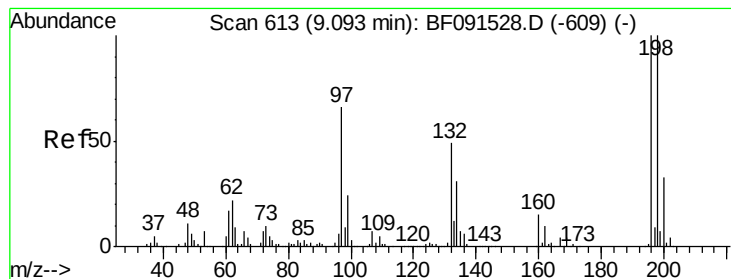
Tgt Ion:164 Resp: 206234
 Ion Ratio Lower Upper
 164 100
 162 97.7 82.6 124.0
 160 51.1 36.7 55.1



#41
 2,4,6-Tribromophenol
 Concen: 152.11 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

Tgt Ion:330 Resp: 260559
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.2 114.4
 141 36.4 33.6 50.4





#42

2,4,6-Trichlorophenol

Concen: 14.31 ng

RT: 9.12 min Scan# 615

Delta R.T. 0.05 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

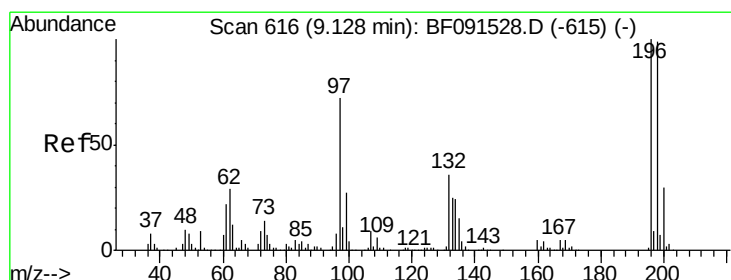
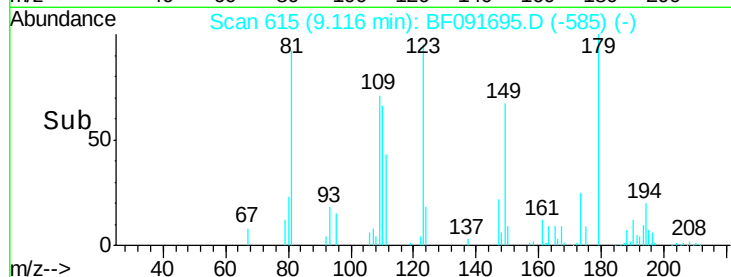
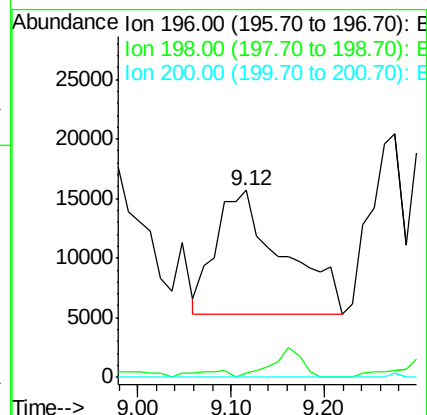
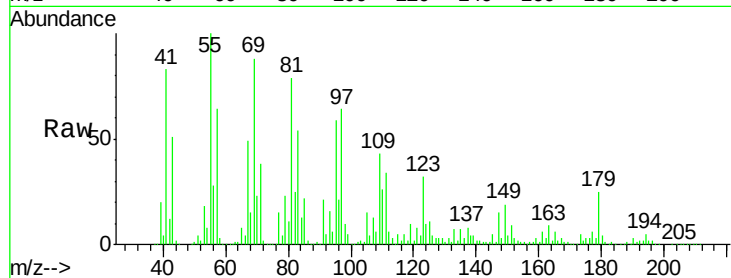
Tgt Ion:196 Resp: 52020

Ion Ratio Lower Upper

196 100

198 2.0 77.4 116.0#

200 0.0 25.2 37.8#



#43

2,4,5-Trichlorophenol

Concen: 13.93 ng

RT: 9.12 min Scan# 615

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Tgt Ion:196 Resp: 52020

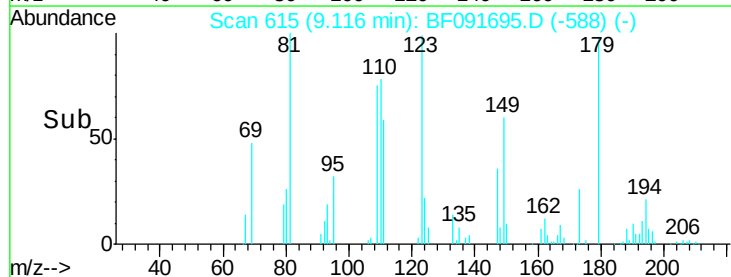
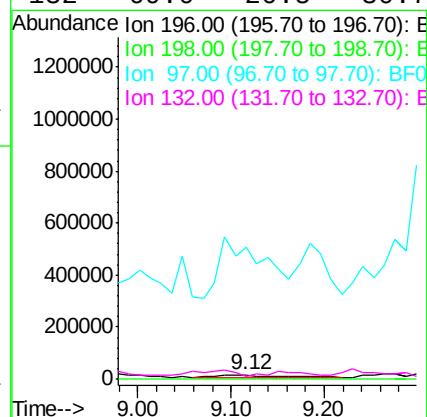
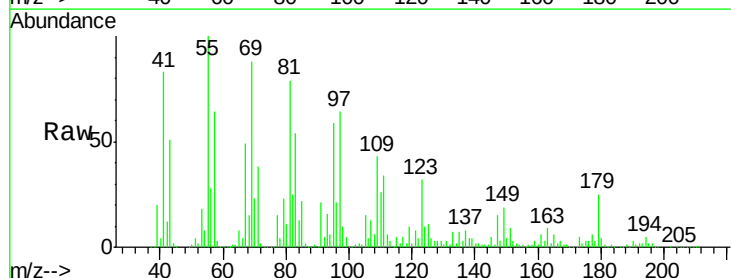
Ion Ratio Lower Upper

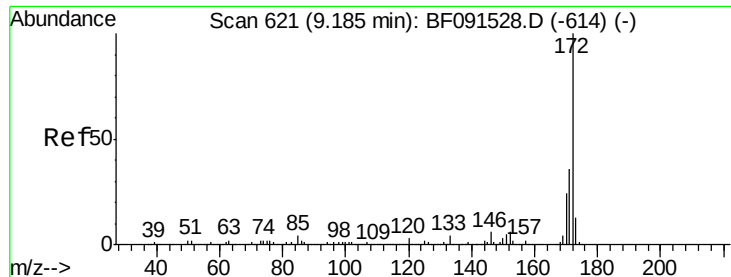
196 100

198 2.0 77.0 115.6#

97 3244.5 33.5 50.3#

132 69.0 20.5 30.7#

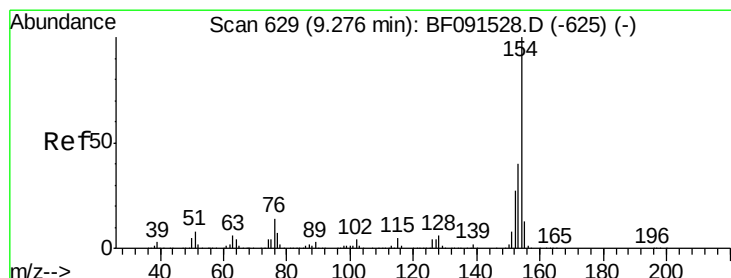
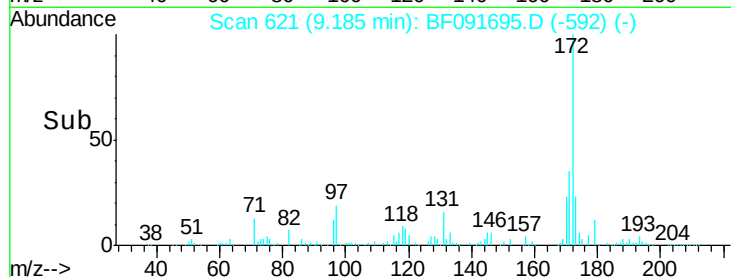
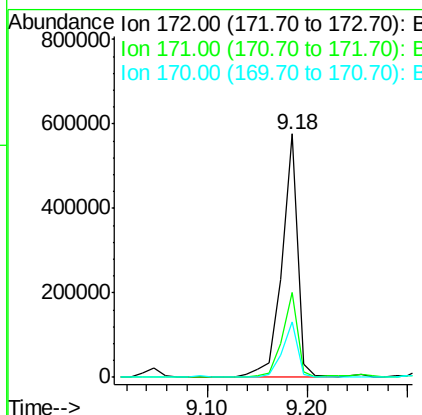
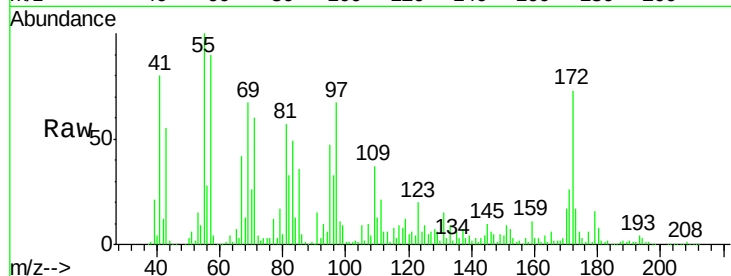




#44
2-Fluorobiphenyl
Concen: 52.34 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.03 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

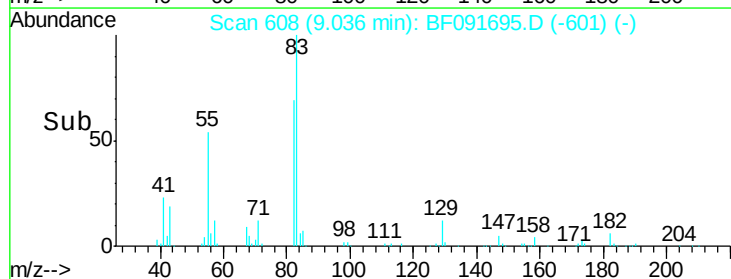
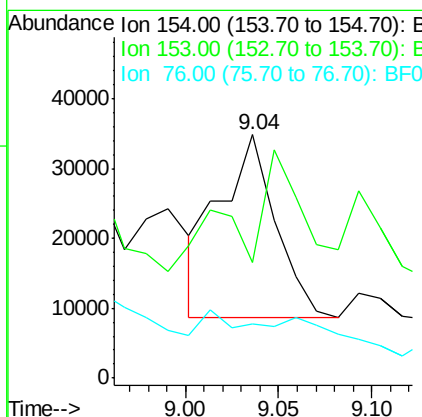
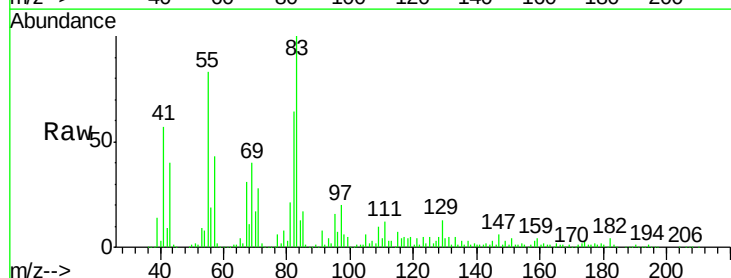
Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

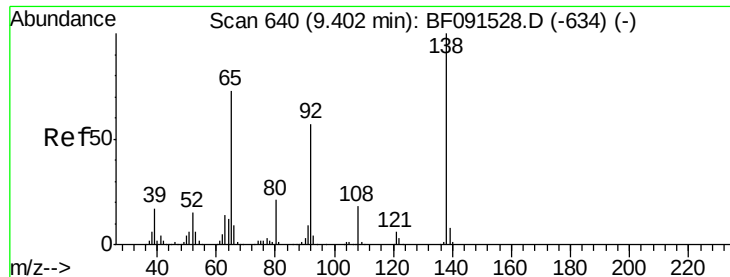
Tgt Ion:172 Resp: 624683
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.0 19.7 29.5



#45
1,1'-Biphenyl
Concen: 3.67 ng
RT: 9.04 min Scan# 608
Delta R.T. -0.22 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:154 Resp: 54776
Ion Ratio Lower Upper
154 100
153 47.3 20.6 60.6
76 22.1 0.0 36.6

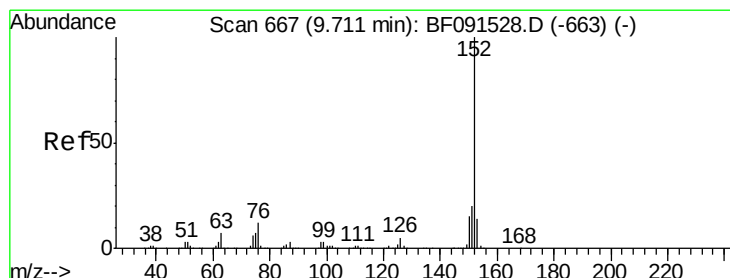
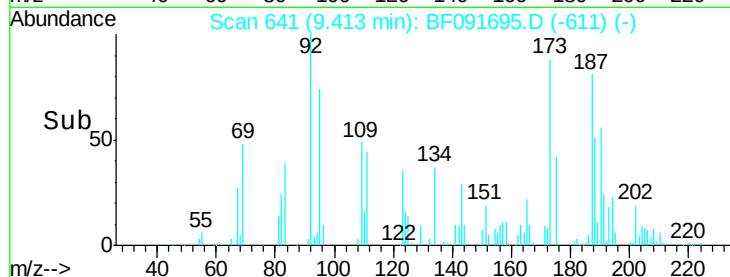
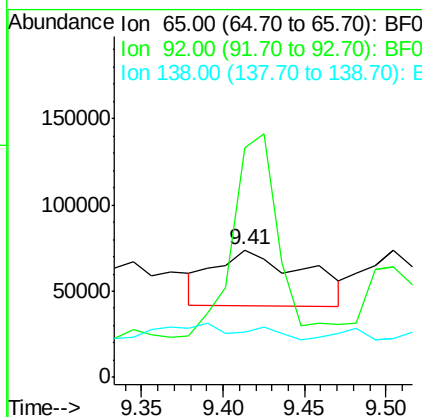
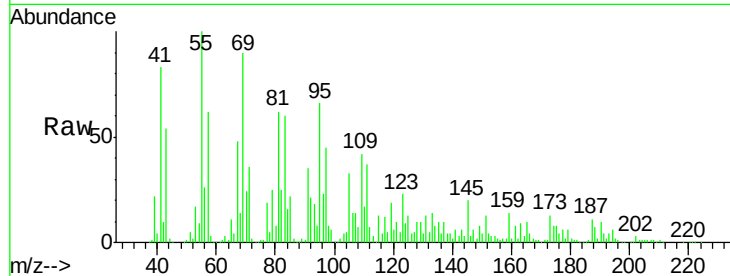




#47
2-Nitroaniline
Concen: 32.25 ng
RT: 9.41 min Scan# 641
Delta R.T. 0.05 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

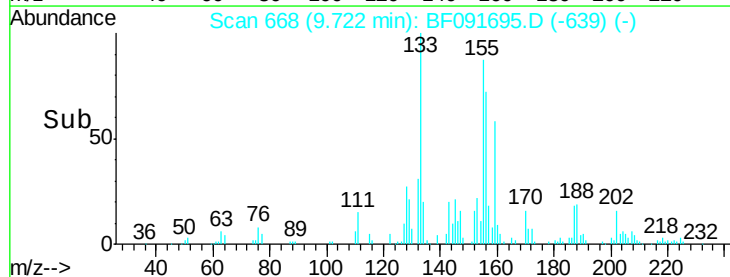
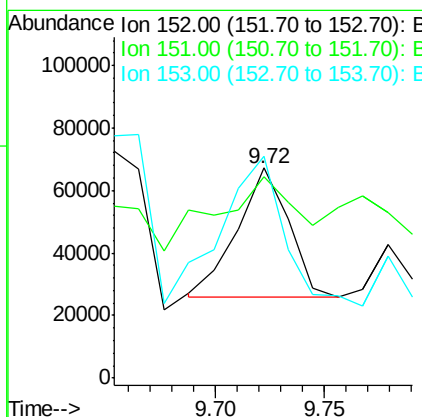
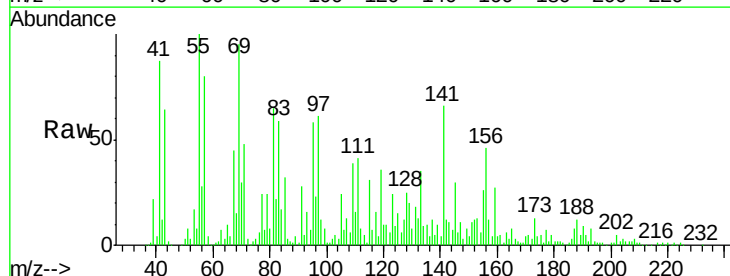
Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

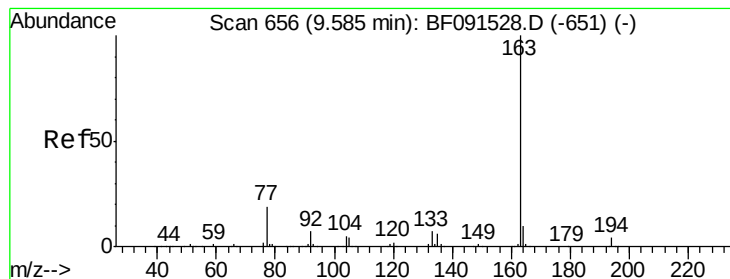
Tgt Ion: 65 Resp: 125440
Ion Ratio Lower Upper
65 100
92 180.0 53.6 80.4#
138 35.2 91.0 136.6#



#48
Acenaphthylene
Concen: 3.88 ng
RT: 9.72 min Scan# 668
Delta R.T. 0.03 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion: 152 Resp: 68430
Ion Ratio Lower Upper
152 100
151 96.0 16.6 24.8#
153 105.7 10.7 16.1#





#49

Dimethylphthalate

Concen: 15.89 ng

RT: 9.56 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

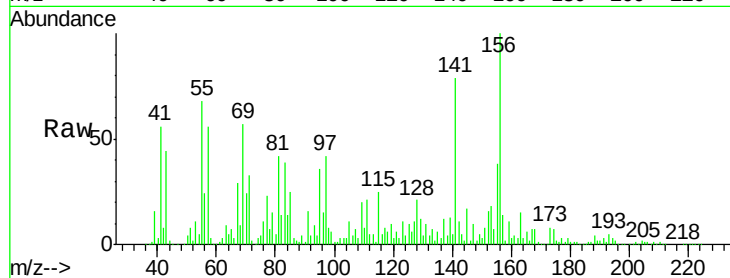
Tgt Ion:163 Resp: 207448

Ion Ratio Lower Upper

163 100

194 18.2 3.0 4.4#

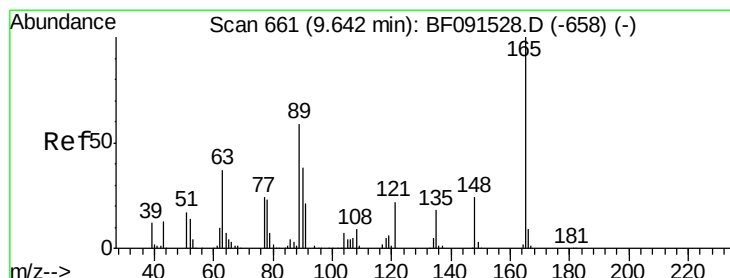
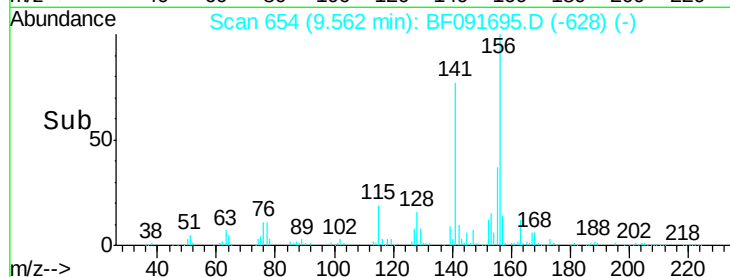
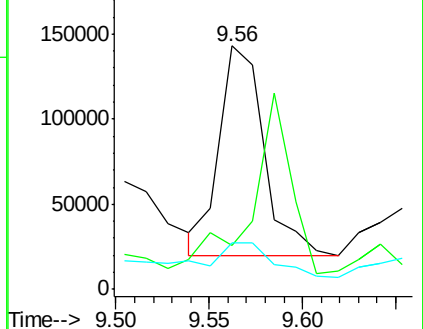
164 19.1 7.8 11.8#



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: 37.44 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.02 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

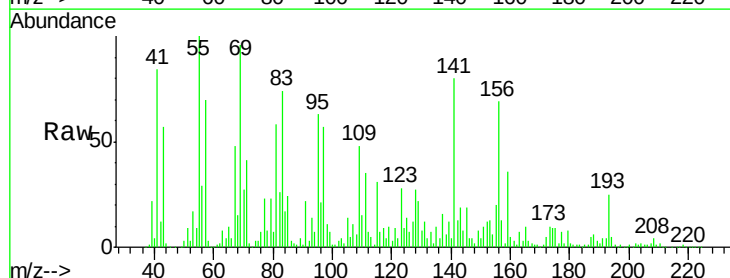
Tgt Ion:165 Resp: 107312

Ion Ratio Lower Upper

165 100

63 81.0 59.4 89.0

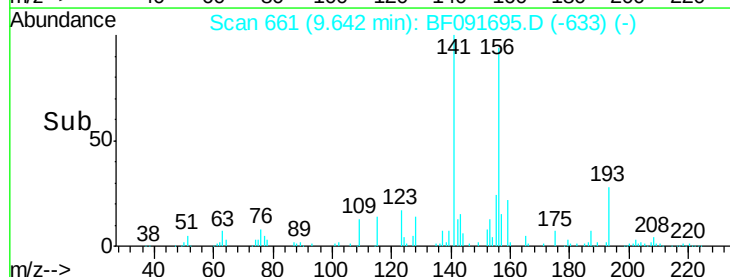
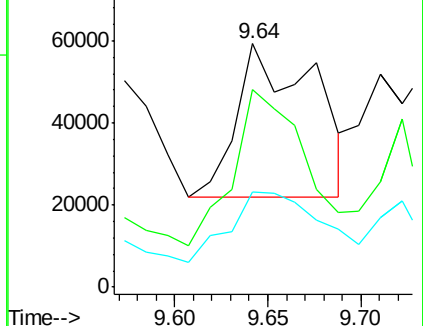
89 39.3 50.8 76.2#

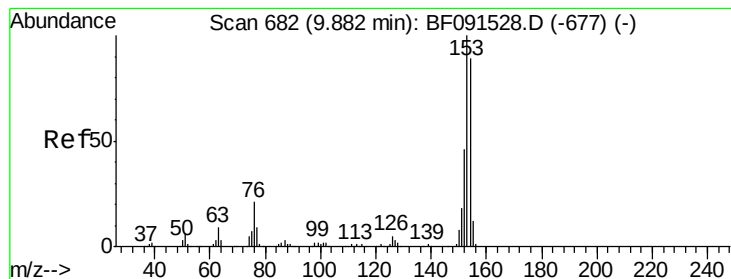


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.73 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.03 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

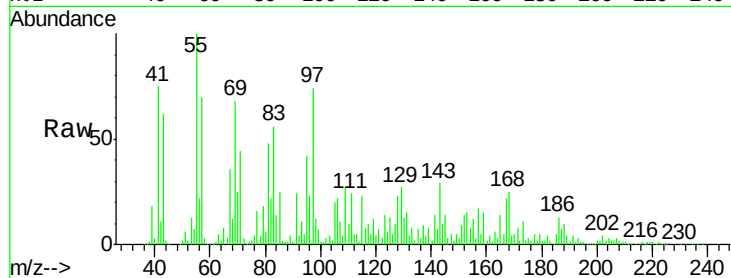
Tgt Ion:154 Resp: 57913

Ion Ratio Lower Upper

154 100

153 183.8 91.0 136.6#

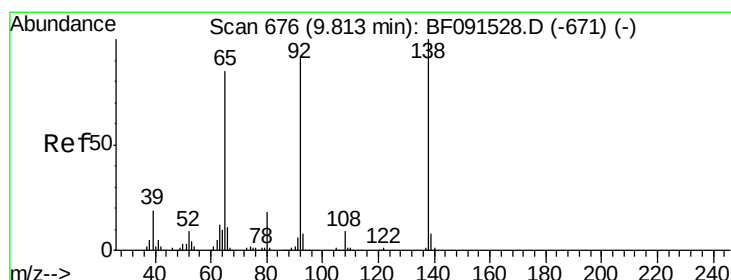
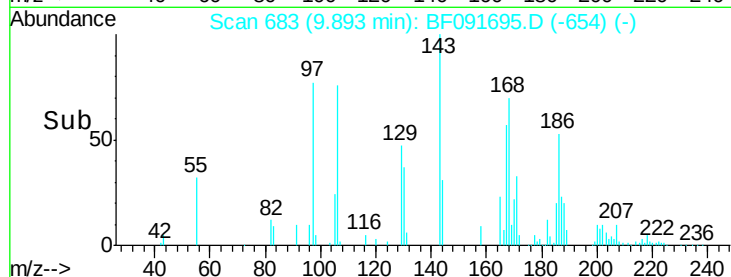
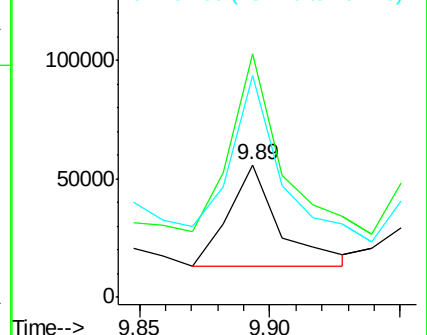
152 167.7 44.2 66.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 14.05 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.02 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

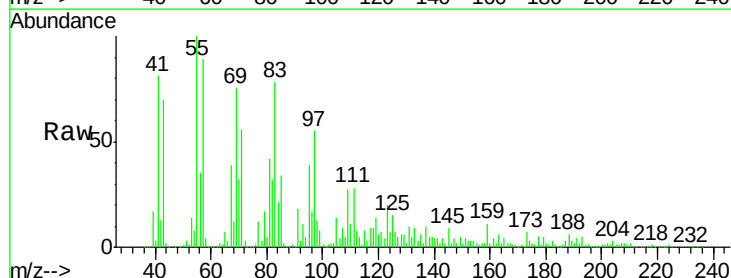
Tgt Ion:138 Resp: 47318

Ion Ratio Lower Upper

138 100

108 88.7 8.1 12.1#

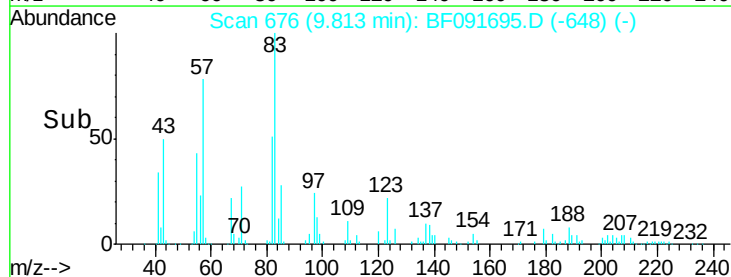
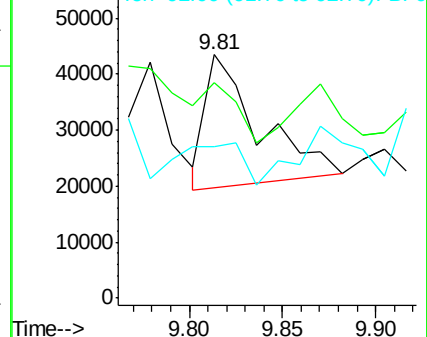
92 62.1 92.5 138.7#

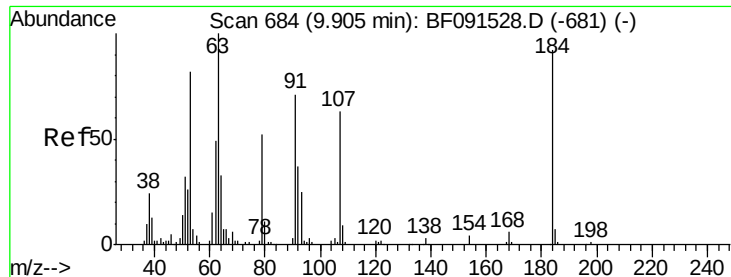


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

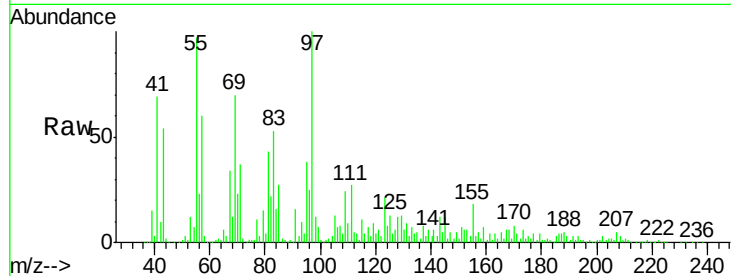




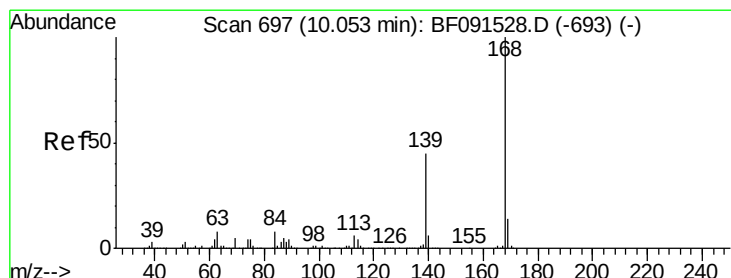
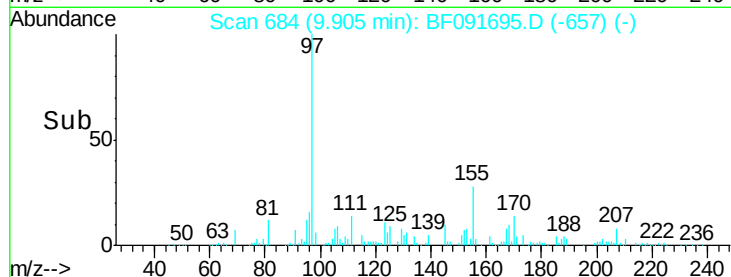
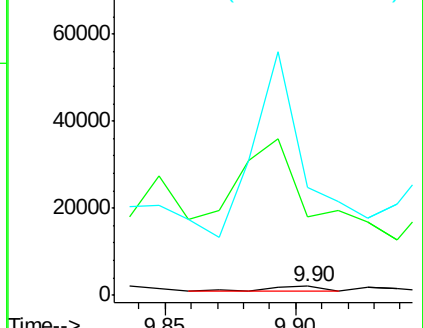
#53
2,4-Dinitrophenol
Concen: 4.04 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

Tgt Ion:184 Resp: 2119
Ion Ratio Lower Upper
184 100
63 847.5 58.3 87.5#
154 1161.8 48.6 73.0#

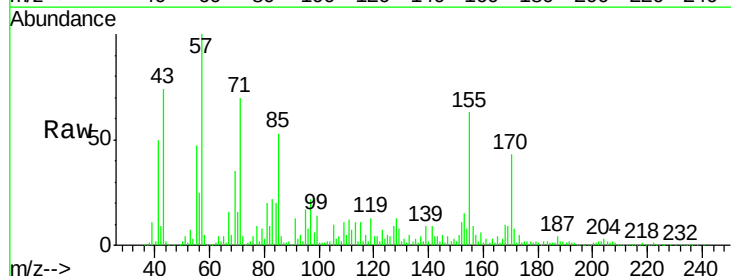


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

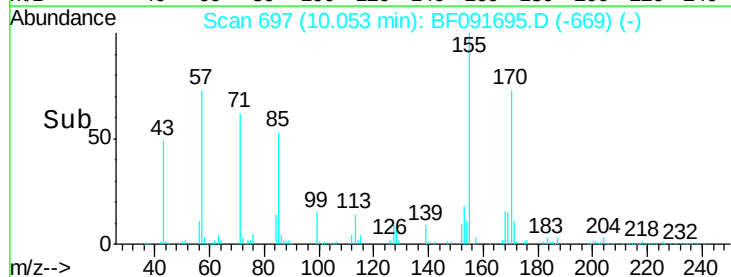
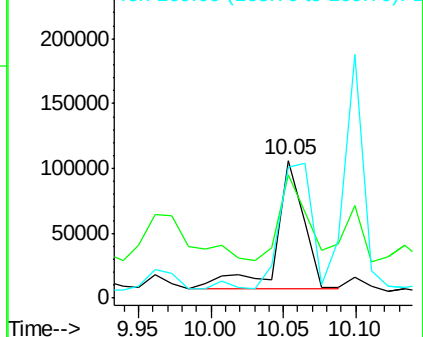


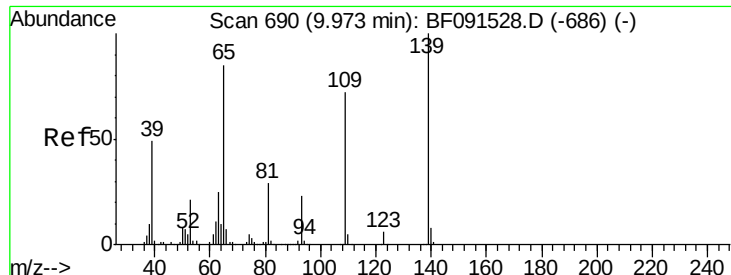
#54
Dibenzofuran
Concen: 8.68 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.02 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:168 Resp: 131481
Ion Ratio Lower Upper
168 100
139 89.7 33.4 50.2#
169 95.5 11.1 16.7#



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: 32.77 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

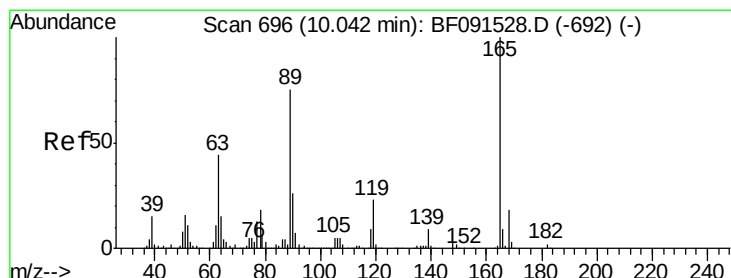
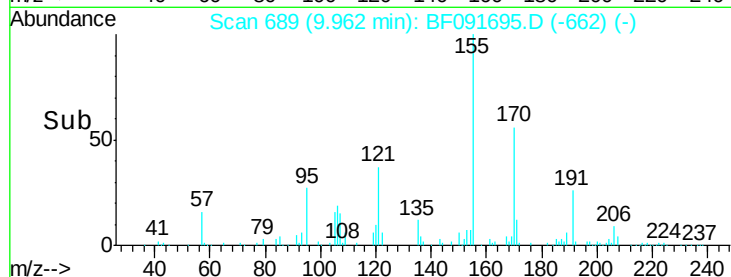
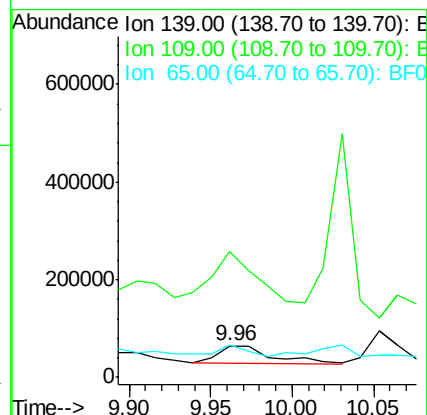
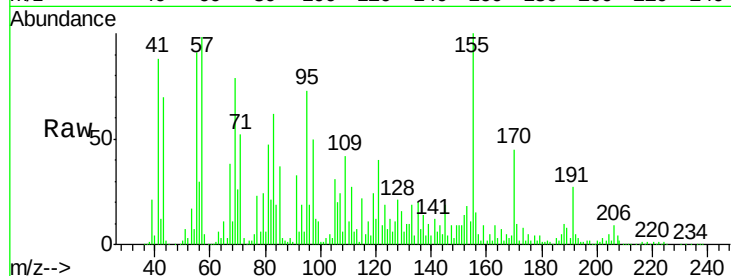
Tgt Ion:139 Resp: 82093

Ion Ratio Lower Upper

139 100

109 402.2 54.9 94.9#

65 102.0 102.2 142.2#



#56

2,4-Dinitrotoluene

Concen: 12.61 ng

RT: 10.06 min Scan# 698

Delta R.T. 0.05 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Tgt Ion:165 Resp: 45304

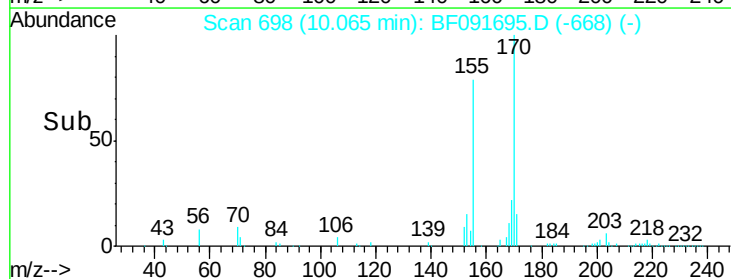
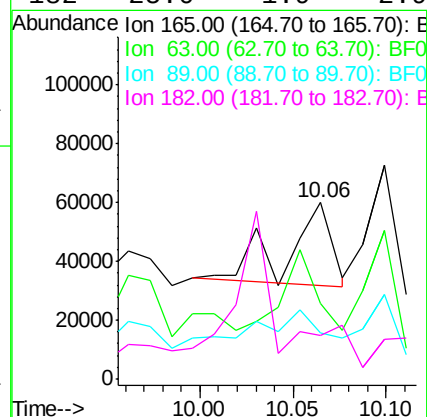
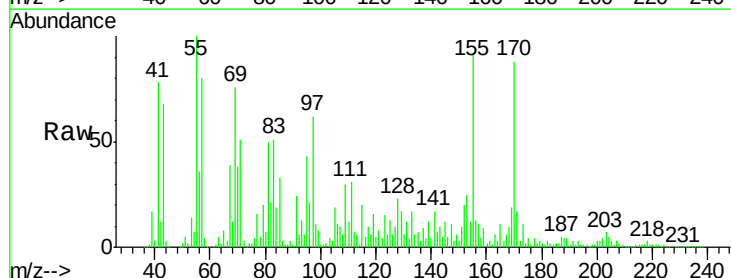
Ion Ratio Lower Upper

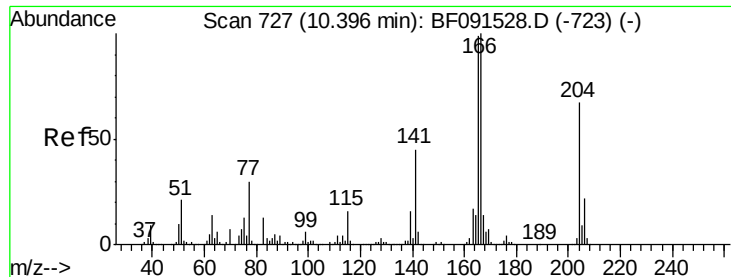
165 100

63 42.5 29.0 43.4

89 26.4 43.1 64.7#

182 25.0 1.9 2.9#





#57

Fluorene

Concen: 11.25 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

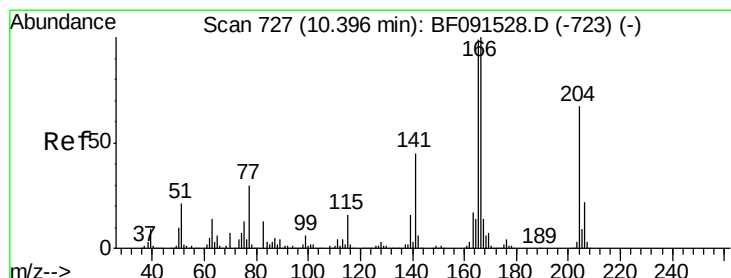
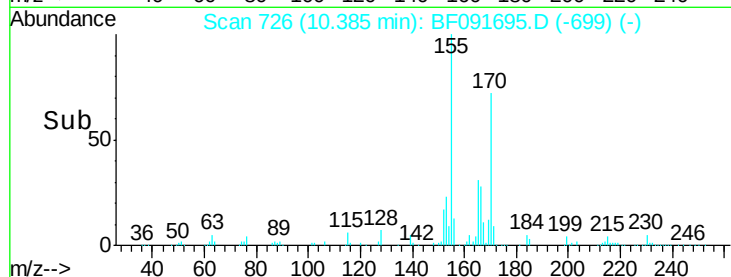
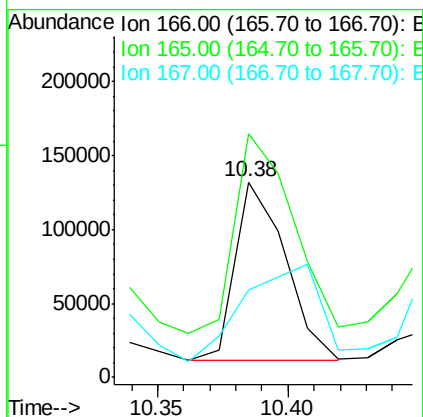
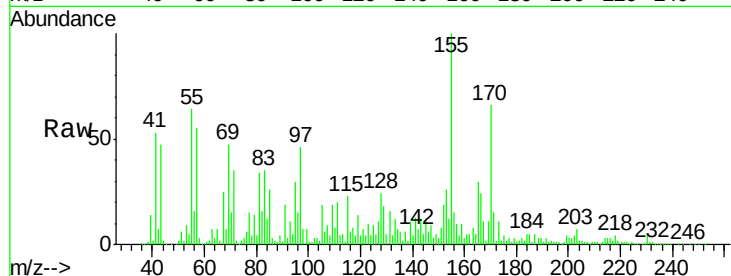
Tgt Ion:166 Resp: 162209

Ion Ratio Lower Upper

166 100

165 124.8 80.0 120.0#

167 44.8 10.8 16.2#



#60

4-Chlorophenyl-phenylether

Concen: 3.76 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.03 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

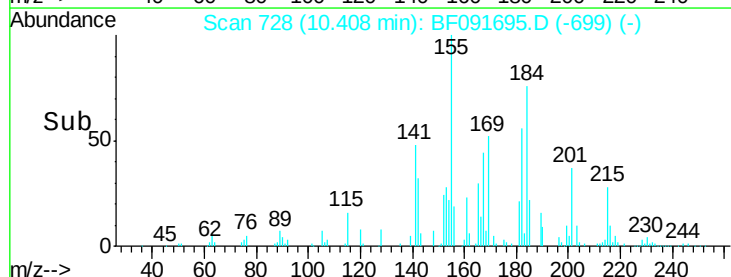
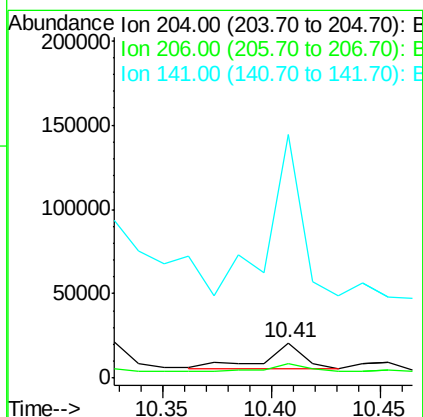
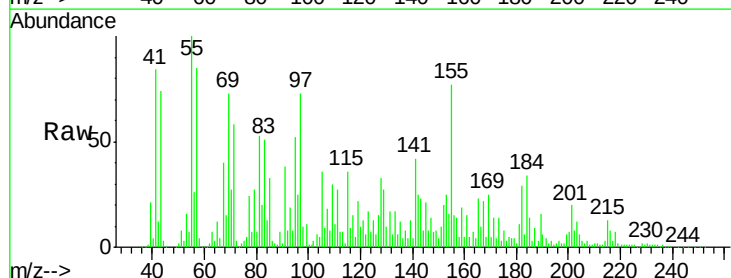
Tgt Ion:204 Resp: 20479

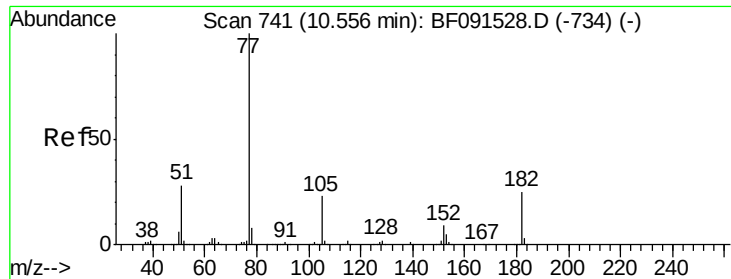
Ion Ratio Lower Upper

204 100

206 40.5 26.1 39.1#

141 687.2 40.6 61.0#





#62

Azobenzene

Concen: 5.89 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

Tgt Ion: 77 Resp: 83886

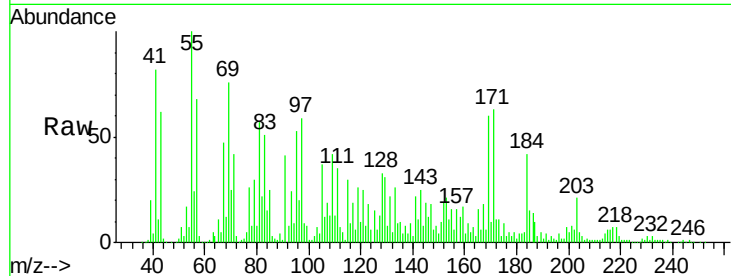
Ion Ratio Lower Upper

77 100

182 15.9 12.5 52.5

105 139.3 3.7 43.7#

51 27.4 11.9 51.9

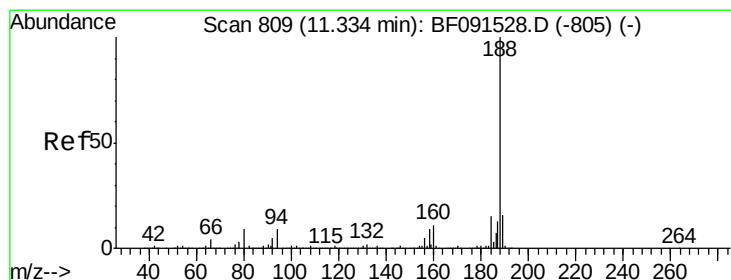
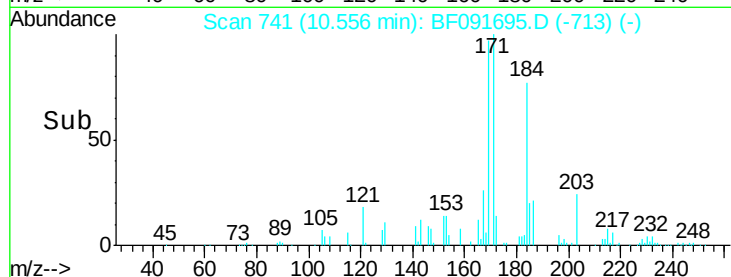
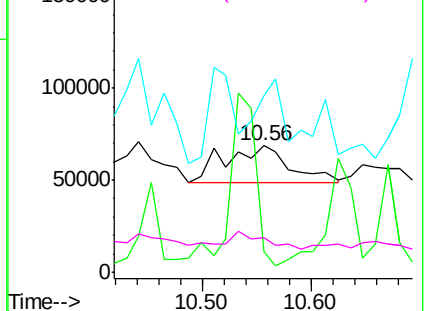


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.32 min Scan# 808

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

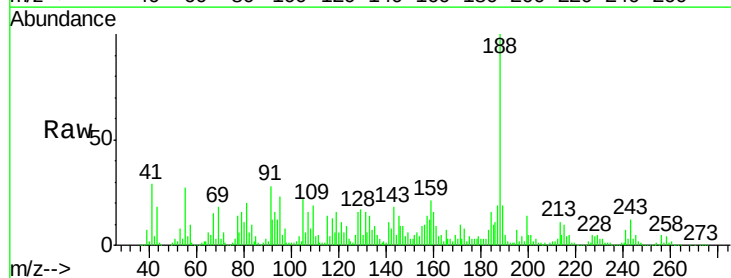
Tgt Ion: 188 Resp: 434861

Ion Ratio Lower Upper

188 100

94 12.1 9.2 13.8

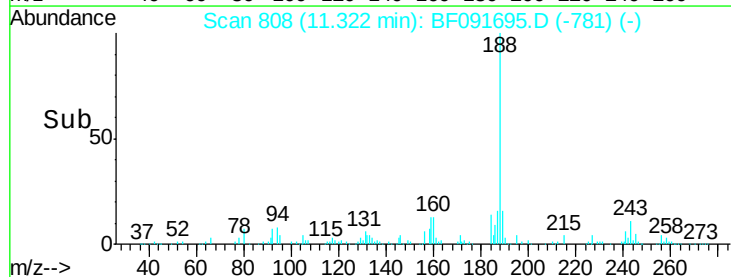
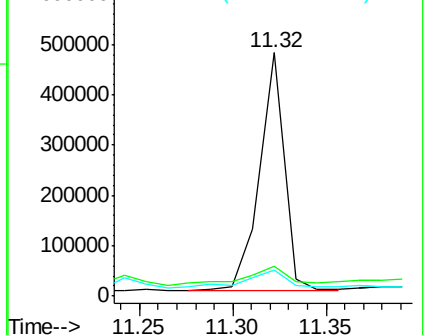
80 10.9 10.5 15.7

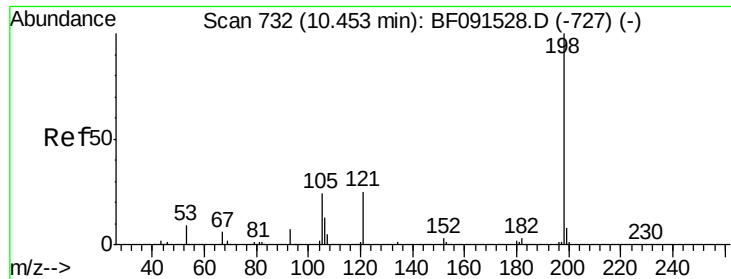


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

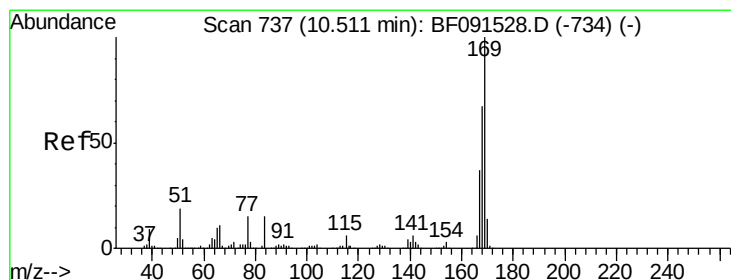
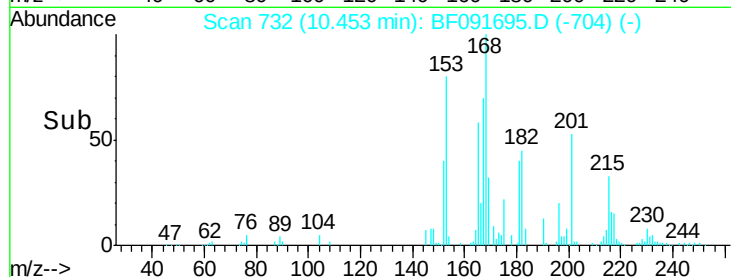
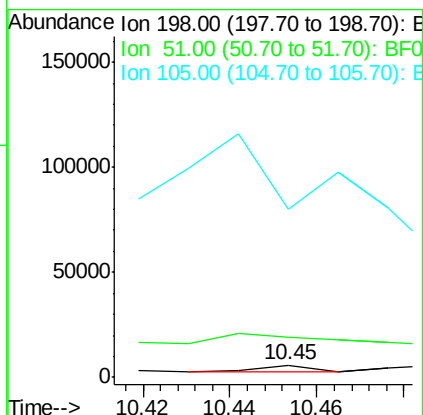
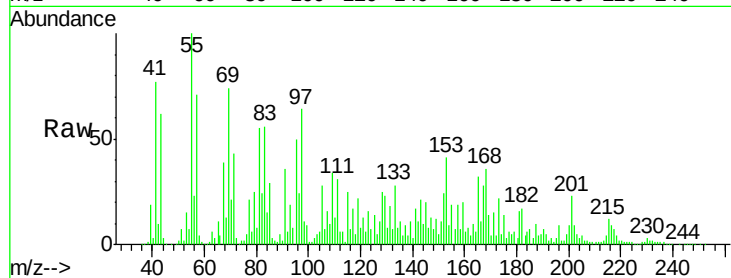




#64
4,6-Dinitro-2-methylphenol
Concen: 4.00 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.02 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

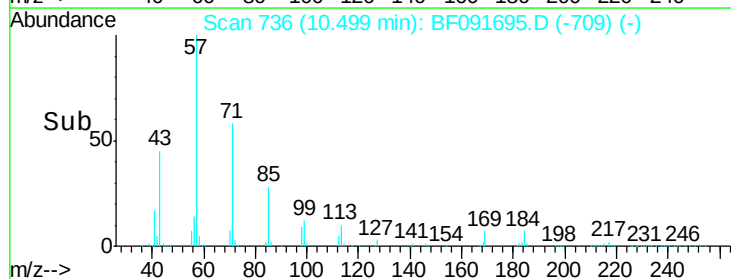
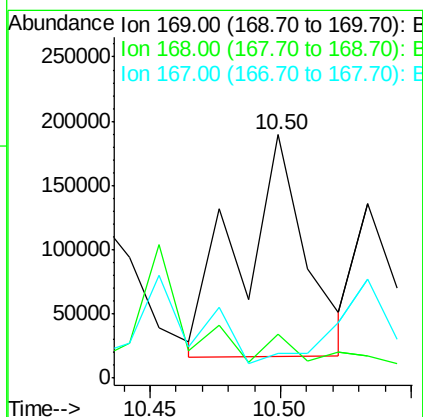
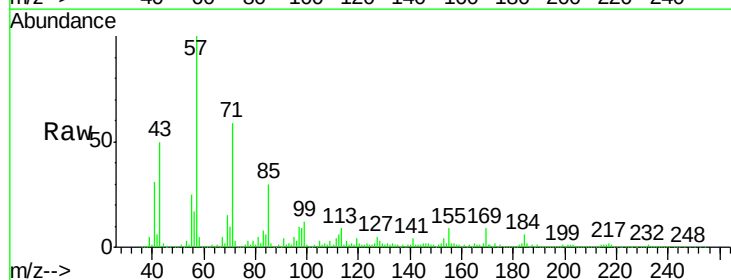
Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

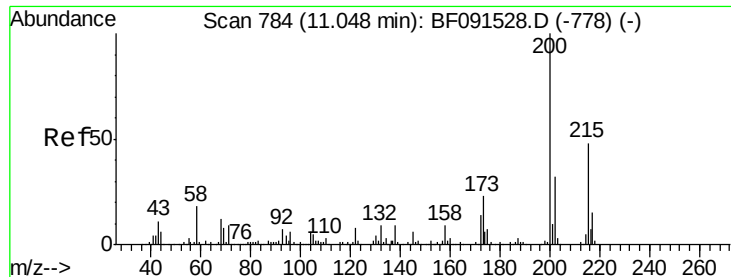
Tgt Ion:198 Resp: 2959
Ion Ratio Lower Upper
198 100
51 327.3 77.1 117.1#
105 1388.2 44.8 84.8#



#65
n-Nitrosodiphenylamine
Concen: 23.00 ng
RT: 10.50 min Scan# 736
Delta R.T. 0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:169 Resp: 298130
Ion Ratio Lower Upper
169 100
168 17.9 53.8 80.8#
167 10.1 29.8 44.8#

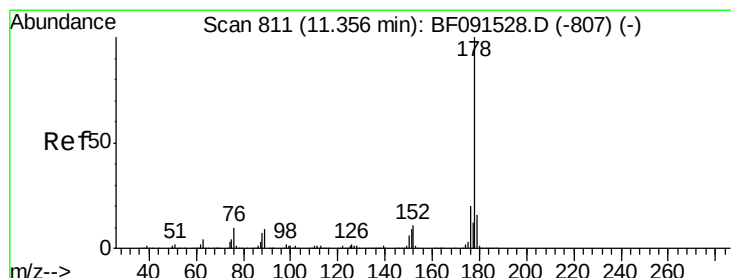
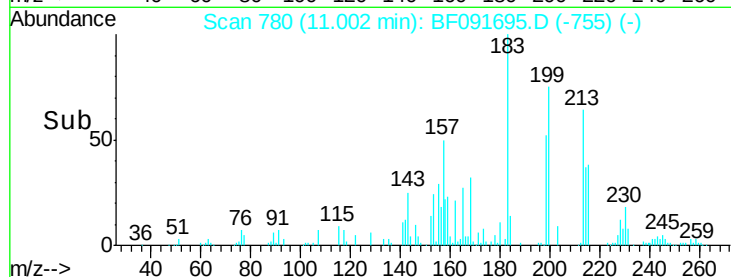
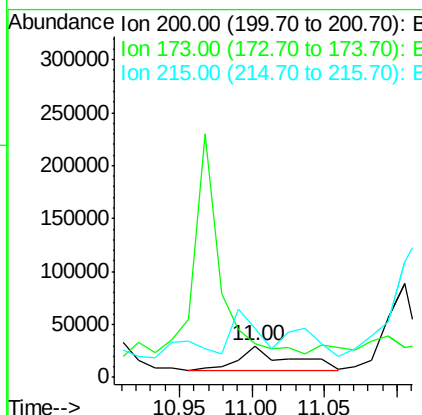
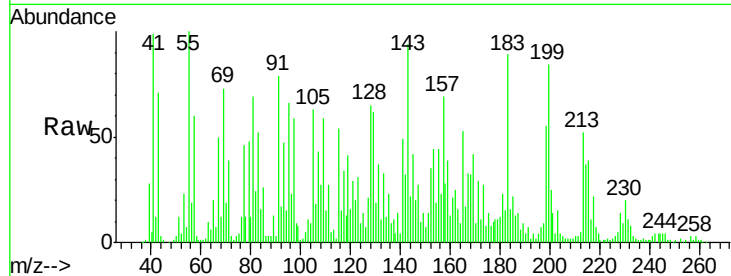




#68
 Atrazine
 Concen: 13.82 ng
 RT: 11.00 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

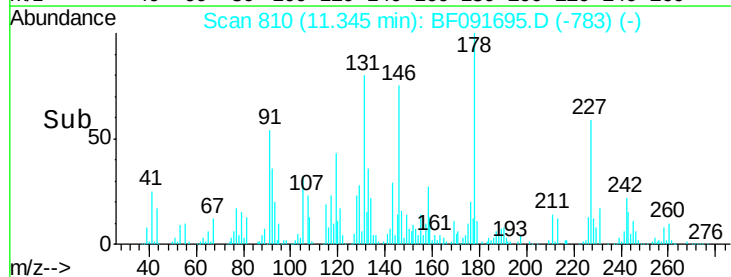
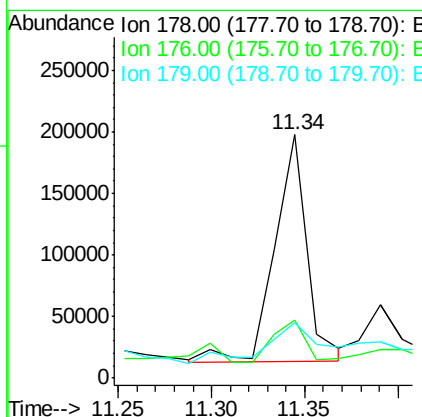
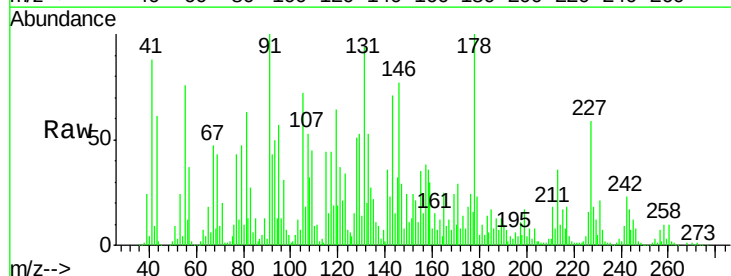
Instrument :
 BNA_F
 ClientSampleId :
 SB-45(10-12)-12-14-16

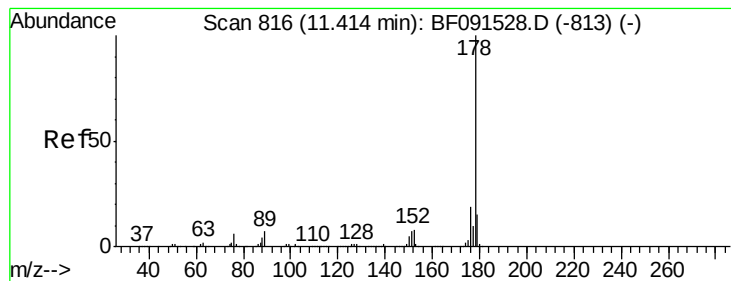
Tgt Ion:200 Resp: 57620
 Ion Ratio Lower Upper
 200 100
 173 108.2 7.8 47.8#
 215 156.0 24.3 64.3#



#70
 Phenanthrene
 Concen: 10.42 ng
 RT: 11.34 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

Tgt Ion:178 Resp: 224312
 Ion Ratio Lower Upper
 178 100
 176 23.6 15.9 23.9
 179 22.8 12.6 18.8#





#71

Anthracene

Concen: 2.97 ng

RT: 11.39 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

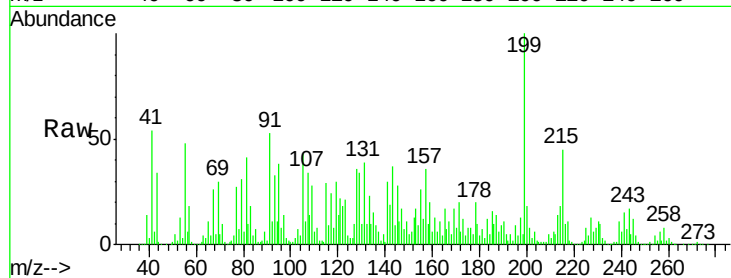
Tgt Ion:178 Resp: 69032

Ion Ratio Lower Upper

178 100

176 39.5 15.8 23.6#

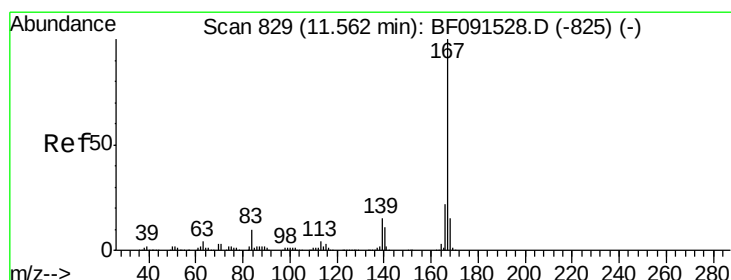
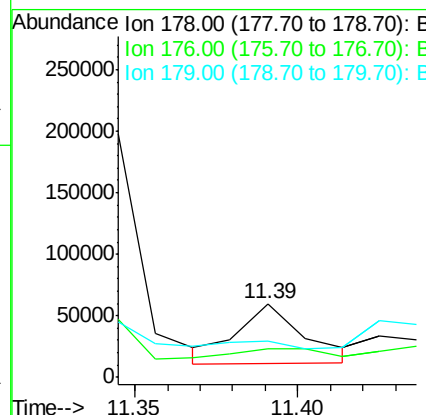
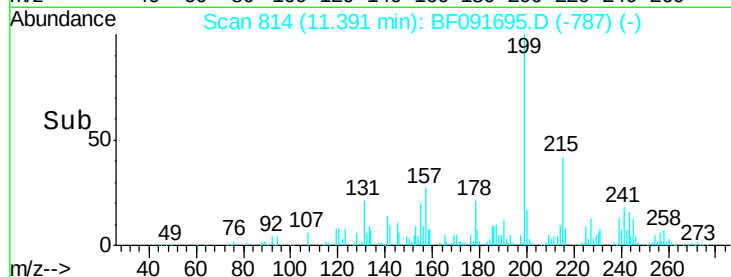
179 48.5 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.87 ng

RT: 11.57 min Scan# 830

Delta R.T. 0.03 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

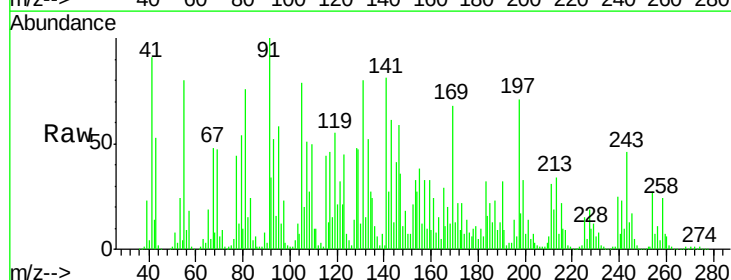
Tgt Ion:167 Resp: 99125

Ion Ratio Lower Upper

167 100

166 52.8 18.1 27.1#

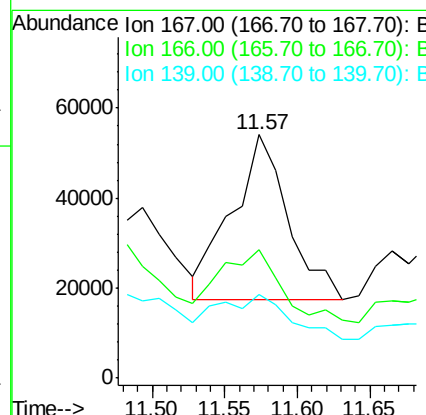
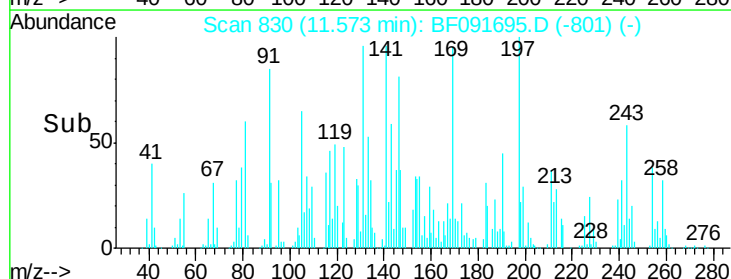
139 34.5 11.5 17.3#

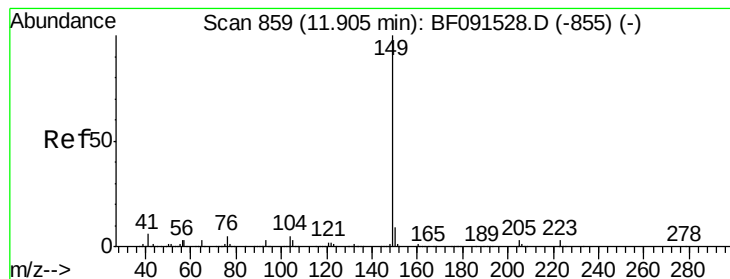


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.12 ng

RT: 11.88 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

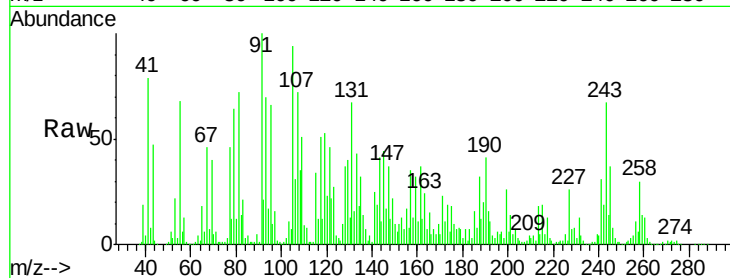
Tgt Ion:149 Resp: 50238

Ion Ratio Lower Upper

149 100

150 45.7 7.5 11.3#

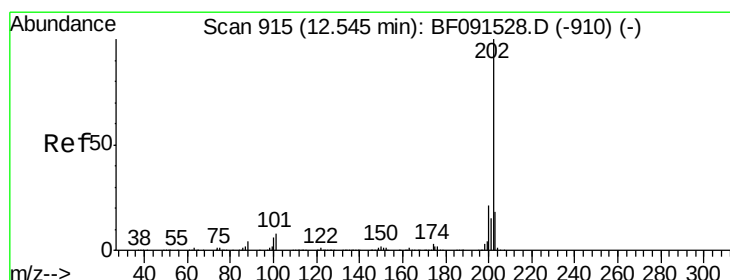
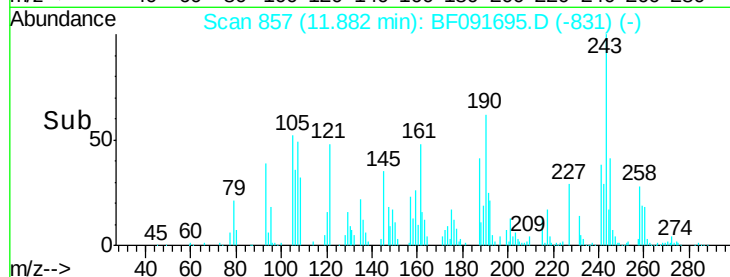
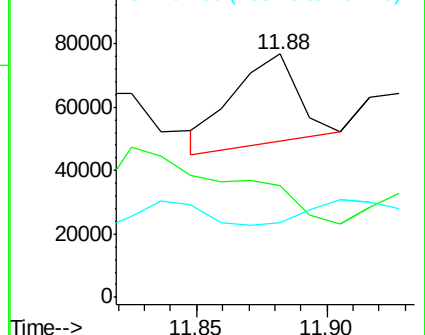
104 30.5 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 8.91 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.10 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

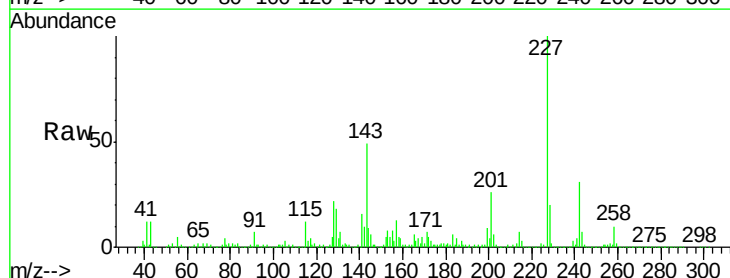
Tgt Ion:202 Resp: 200968

Ion Ratio Lower Upper

202 100

101 6.4 0.0 29.5

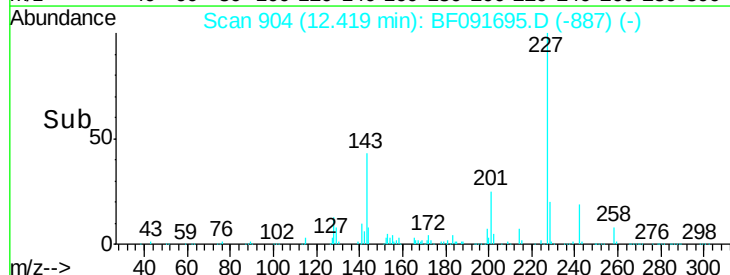
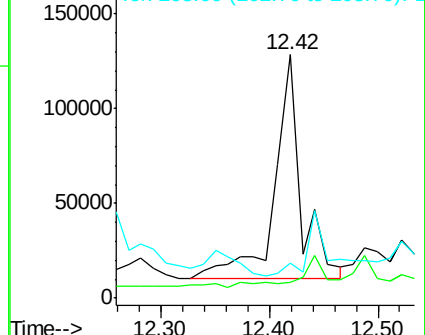
203 14.5 0.0 37.8

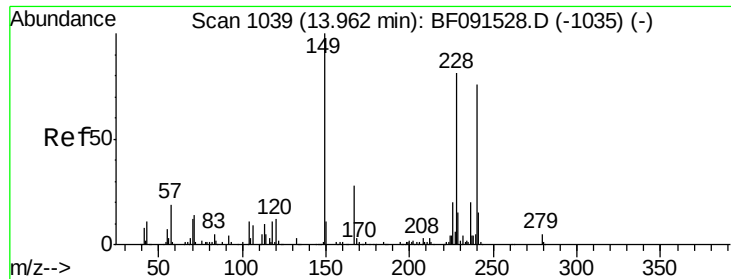


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

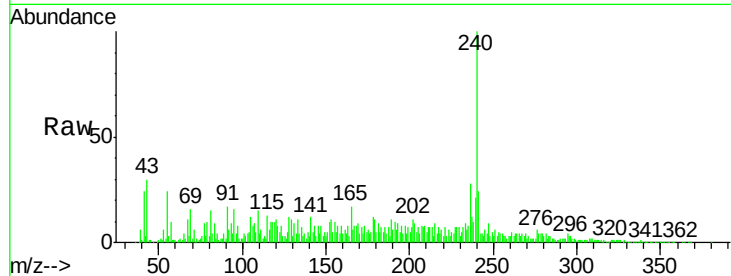




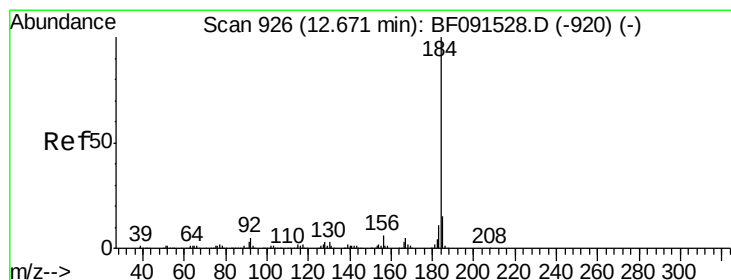
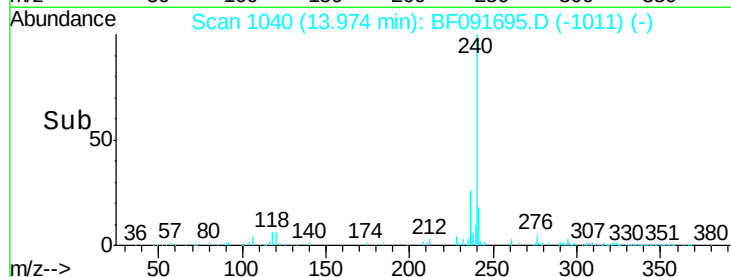
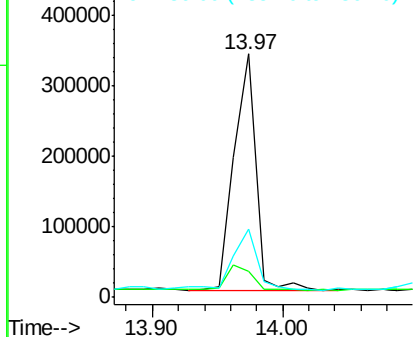
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. 0.03 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

Tgt Ion:240 Resp: 385626
Ion Ratio Lower Upper
240 100
120 10.6 12.1 18.1#
236 28.1 21.0 31.6

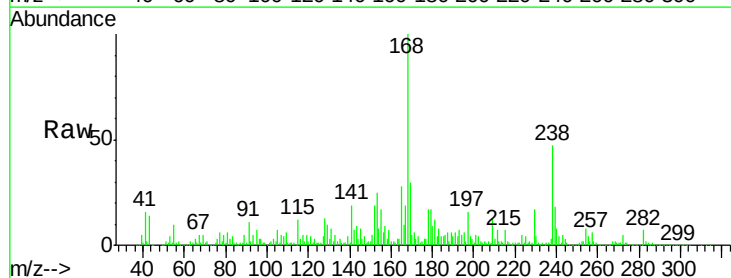


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

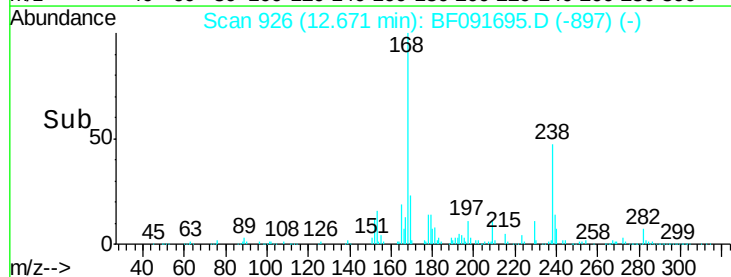
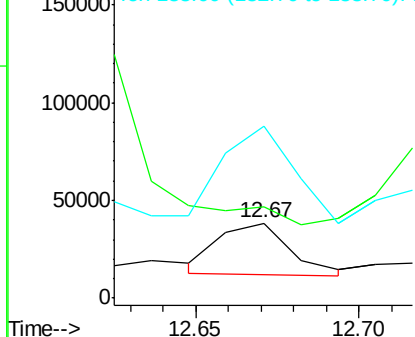


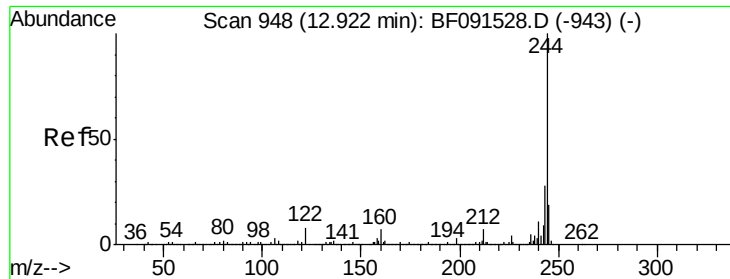
#76
Benzidine
Concen: 3.33 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.03 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion:184 Resp: 39660
Ion Ratio Lower Upper
184 100
185 121.3 13.1 19.7#
183 228.6 8.9 13.3#



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





#78

Terphenyl-d14

Concen: 46.55 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.06 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-45(10-12)-12-14-16

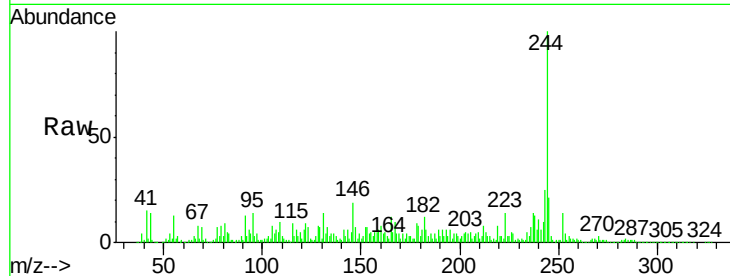
Tgt Ion:244 Resp: 791000

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

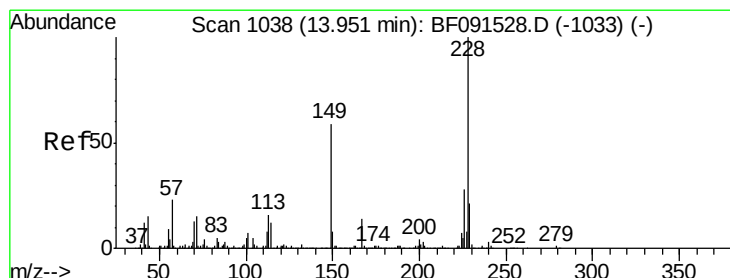
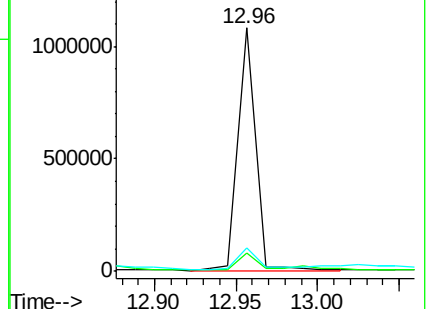
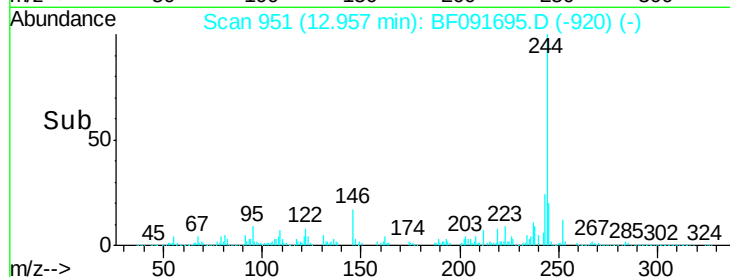
122 9.4 9.5 14.3#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.03 min

Lab File: BF091695.D

Acq: 17 Dec 2016 1:35

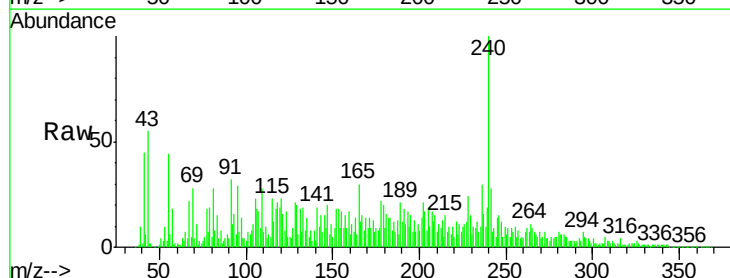
Tgt Ion:228 Resp: 45661

Ion Ratio Lower Upper

228 100

226 44.7 22.5 33.7#

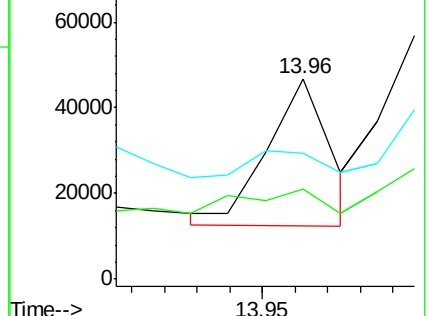
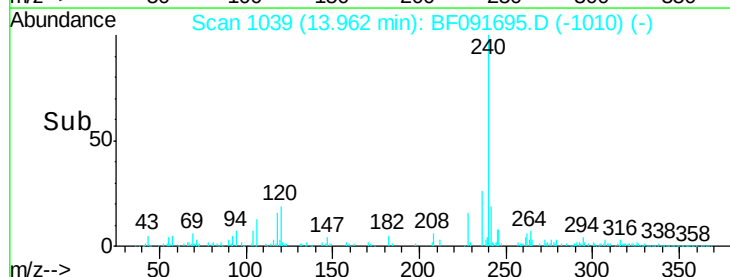
229 63.0 16.4 24.6#

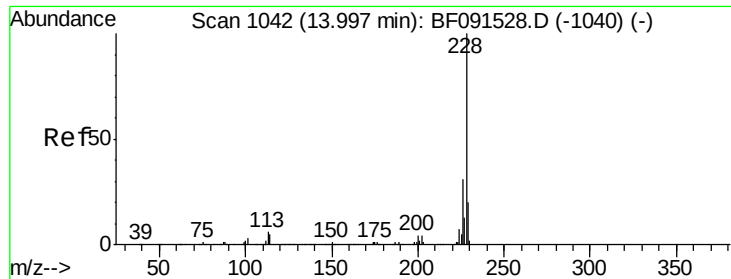


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

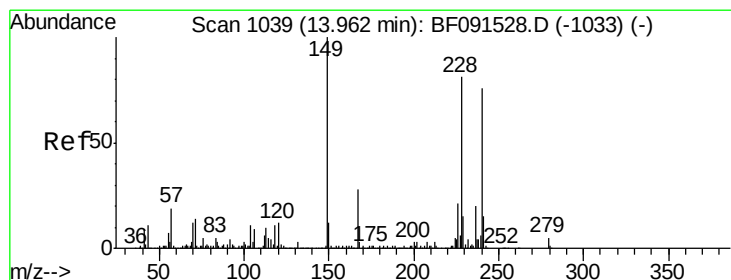
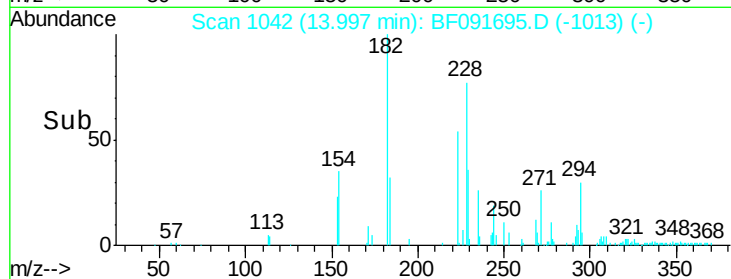
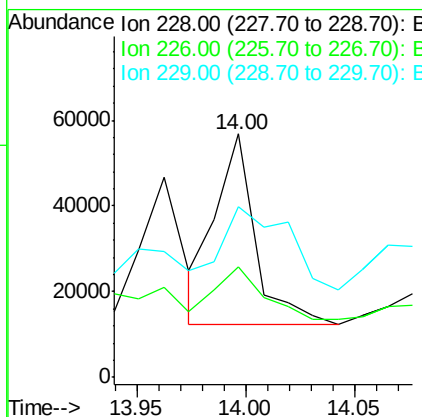
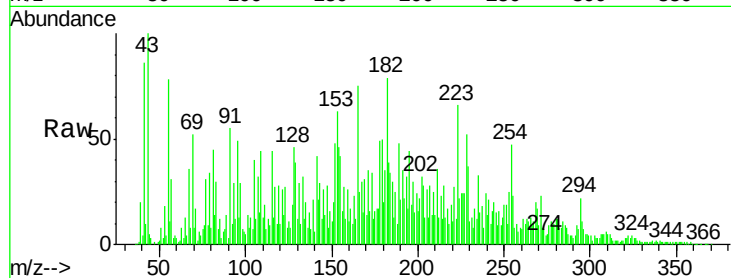




#82
Chrysene
 Concen: 2.43 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. 0.03 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

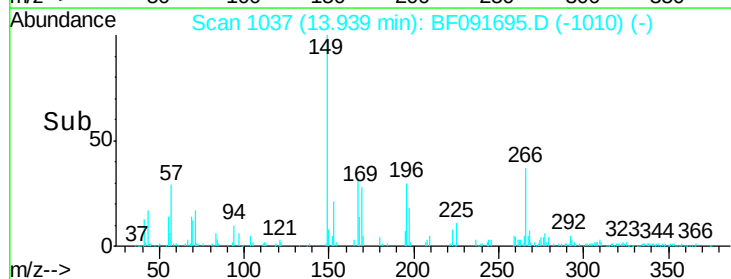
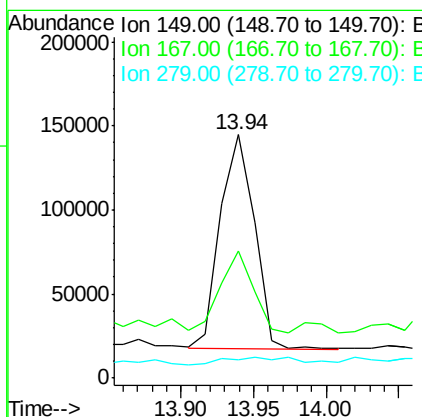
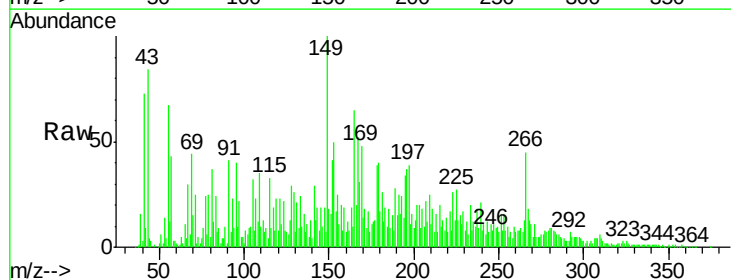
Instrument :
 BNA_F
 ClientSampleId :
 SB-45(10-12)-12-14-16

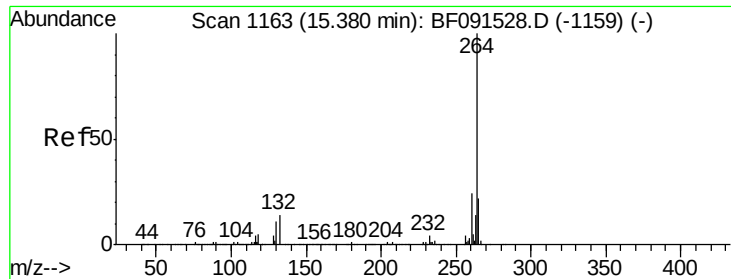
Tgt Ion: 228 Resp: 56961
 Ion Ratio Lower Upper
 228 100
 226 45.6 25.0 37.4#
 229 69.8 16.0 24.0#



#83
Bis(2-ethylhexyl)phthalate
 Concen: 13.65 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BF091695.D
 Acq: 17 Dec 2016 1:35

Tgt Ion: 149 Resp: 208836
 Ion Ratio Lower Upper
 149 100
 167 52.1 19.6 29.4#
 279 7.5 1.9 2.9#



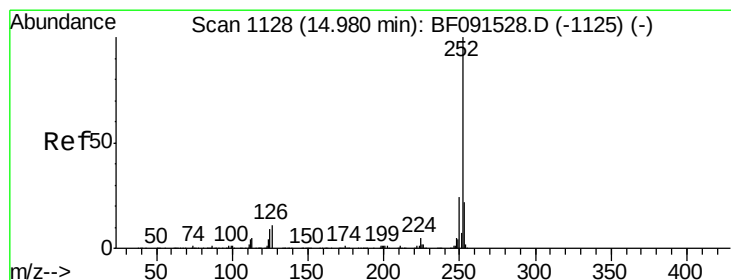
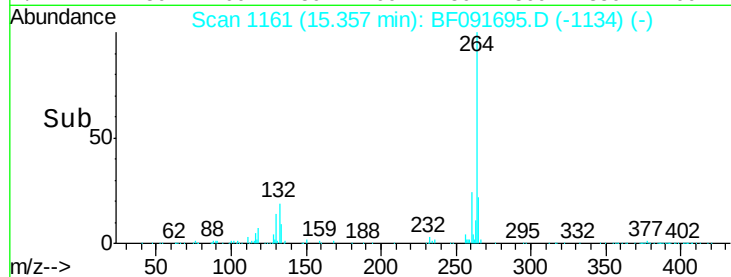
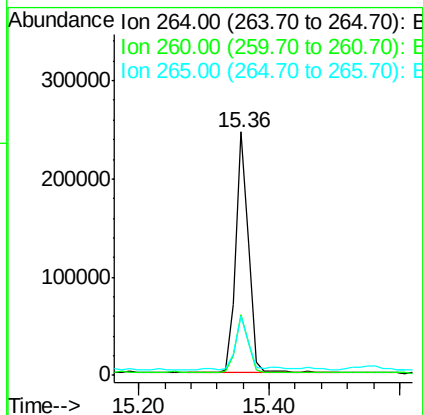
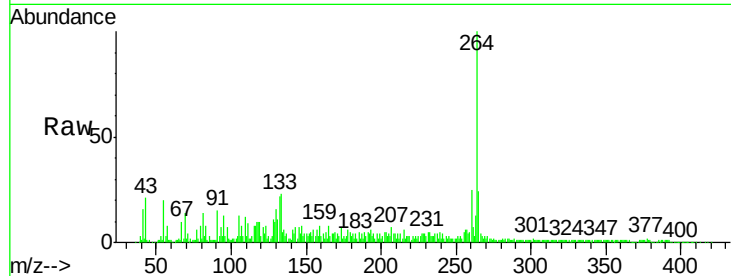


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

Tgt Ion: 264 Resp: 323568

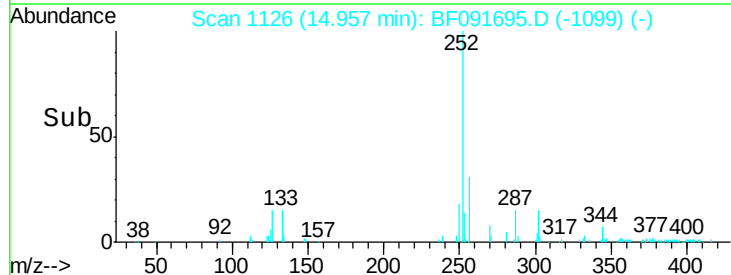
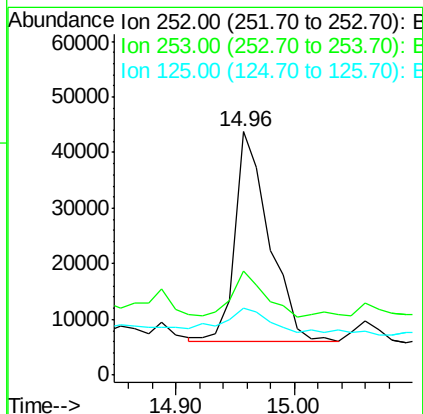
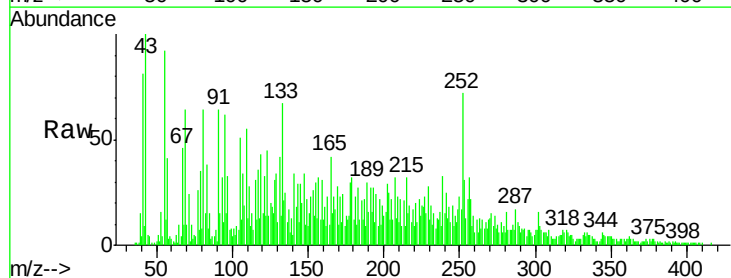
Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.8	28.2
265	24.3	17.0	25.6

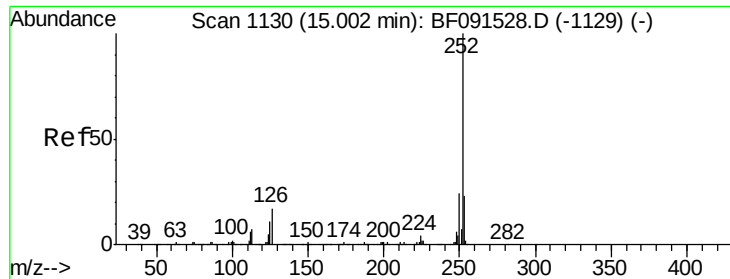


#87
Benzo(b)fluoranthene
Concen: 3.88 ng
RT: 14.96 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion: 252 Resp: 74795

Ion	Ratio	Lower	Upper
252	100		
253	42.6	18.2	27.2#
125	27.3	8.6	13.0#

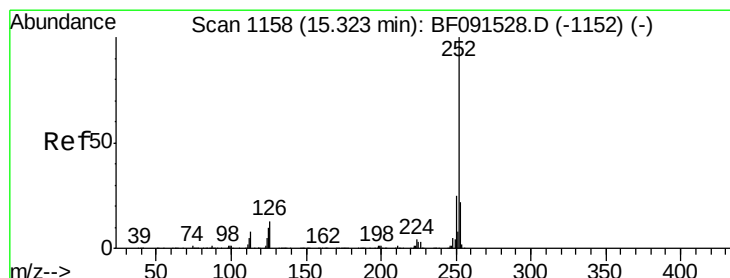
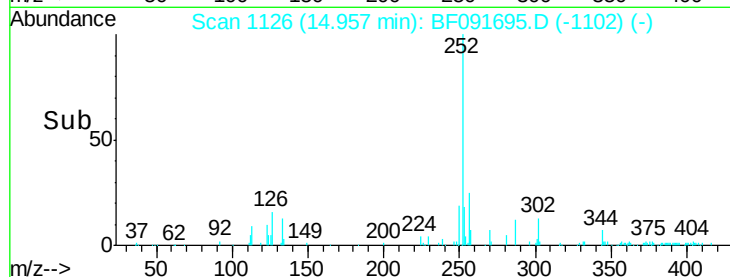
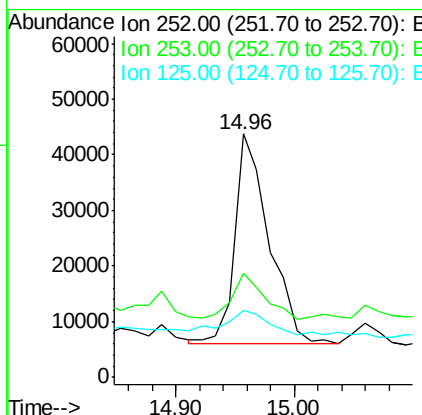
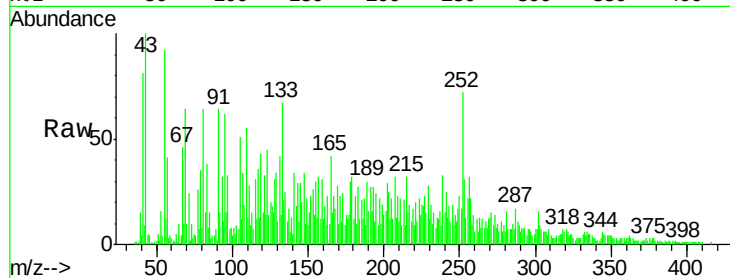




#88
Benzo(k)fluoranthene
Concen: 4.41 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-45(10-12)-12-14-16

Tgt Ion: 252 Resp: 74795
Ion Ratio Lower Upper
252 100
253 42.6 17.8 26.8#
125 27.3 9.6 14.4#



#89
Benzo(a)pyrene
Concen: 2.12 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF091695.D
Acq: 17 Dec 2016 1:35

Tgt Ion: 252 Resp: 36915
Ion Ratio Lower Upper
252 100
253 54.8 18.2 27.4#
125 28.8 10.4 15.6#

