

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092248.D
 Acq On : 13 Jan 2017 14:43
 Operator : UM/SJ
 Sample : I1146-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-17-11117

Quant Time: Jan 13 17:54:47 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	204963	20.00	ng	-0.05
21) Naphthalene-d8	7.89	136	500933	20.00	ng	-0.04
38) Acenaphthene-d10	9.64	164	277789	20.00	ng	-0.04
63) Phenanthrene-d10	11.10	188	517345	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	311955	20.00	ng	-0.05
86) Perylene-d12	15.09	264	298046	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1397570	113.85	ng	-0.05
7) Phenol-d6	6.26	99	1700109	113.44	ng	-0.05
23) Nitrobenzene-d5	7.16	82	1004368	111.49	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	277101	120.54	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1213850	90.34	ng	-0.04
78) Terphenyl-d14	12.69	244	1005023	78.13	ng	-0.05

Target Compounds

						Qvalue
10) Phenol	6.27	94	115899	6.79	ng	# 75
15) Benzyl Alcohol	6.75	79	30134	2.59	ng	# 42
18) Hexachloroethane	7.17	117	90654	16.12	ng	# 21
19) n-Nitroso-di-n-propylamine	7.02	70	92931	9.32	ng	# 67
24) Nitrobenzene	7.25	77	30792	3.21	ng	# 68
25) Isophorone	7.41	82	298679	17.97	ng	# 1
26) 2-Nitrophenol	7.57	139	76171	16.10	ng	# 7
27) 2,4-Dimethylphenol	7.54	122	45955	5.86	ng	# 1
28) bis(2-Chloroethoxy)methane	7.68	93	53570	5.32	ng	# 1
29) 2,4-Dichlorophenol	7.74	162	22716	3.42	ng	# 1
31) Naphthalene	7.90	128	231498	10.10	ng	# 81
32) Benzoic acid	7.68	122	32999	5.67	ng	# 16
35) Caprolactam	8.35	113	373846	171.19	ng	# 1
36) 4-Chloro-3-methylphenol	8.42	107	67404	8.81	ng	# 29
37) 2-Methylnaphthalene	8.61	142	135820	7.23	ng	# 91
42) 2,4,6-Trichlorophenol	8.90	196	13850	2.82	ng	# 9
43) 2,4,5-Trichlorophenol	8.93	196	10390	2.06	ng	# 1
48) Acenaphthylene	9.50	152	218780	9.44	ng	# 82
49) Dimethylphthalate	9.36	163	221221	12.45	ng	# 91
50) 2,6-Dinitrotoluene	9.44	165	34354	8.83	ng	# 70
51) Acenaphthene	9.67	154	138986	8.85	ng	# 92
52) 3-Nitroaniline	9.59	138	21551	4.48	ng	# 30
54) Dibenzofuran	9.84	168	158308	7.46	ng	# 65
55) 4-Nitrophenol	9.75	139	17149	5.25	ng	# 1
56) 2,4-Dinitrotoluene	9.84	165	35079	7.19	ng	# 66
57) Fluorene	10.18	166	265708	17.22	ng	# 95
65) n-Nitrosodiphenylamine	10.29	169	88070	5.74	ng	# 51
66) 4-Bromophenyl-phenylether	10.42	248	18254	3.39	ng	# 1
70) Phenanthrene	11.12	178	1198894	42.74	ng	# 98
71) Anthracene	11.17	178	370488	11.55	ng	# 97
72) Carbazole	11.34	167	463202	15.57	ng	# 96
73) Di-n-butylphthalate	11.67	149	3558	Below	Cal	# 1
74) Fluoranthene	12.31	202	1416104	58.70	ng	# 93
76) Benzidine	12.46	184	772	Below	Cal	# 1

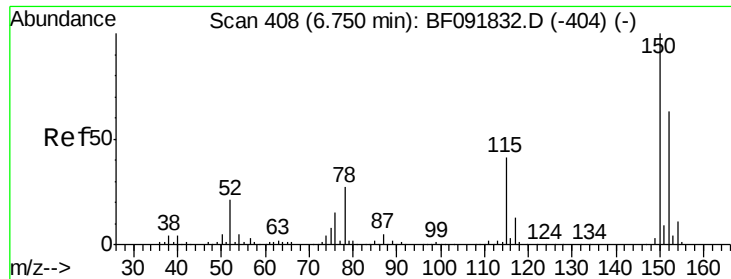
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	12.54	202	1491538	65.17	ng	98
80) Benzo(a)anthracene	13.72	228	843809	47.92	ng	94
82) Chrysene	13.75	228	613267	34.72	ng	96
85) Indeno(1,2,3-cd)pyrene	16.34	276	356450	23.29	ng	95
87) Benzo(b)fluoranthene	14.74	252	1174512	63.30	ng	99
88) Benzo(k)fluoranthene	14.74	252	1172953	74.13	ng	100
89) Benzo(a)pyrene	15.05	252	647329	39.30	ng	98
90) Dibenzo(a,h)anthracene	16.49	278	86074	6.36	ng	95
91) Benzo(g,h,i)perylene	16.71	276	337749	23.99	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

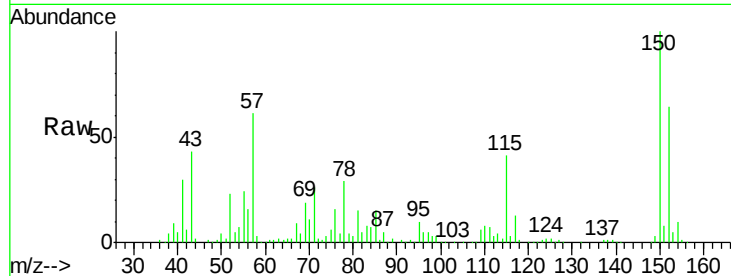
Tgt Ion:152 Resp: 204963

Ion Ratio Lower Upper

152 100

150 157.2 124.9 187.3

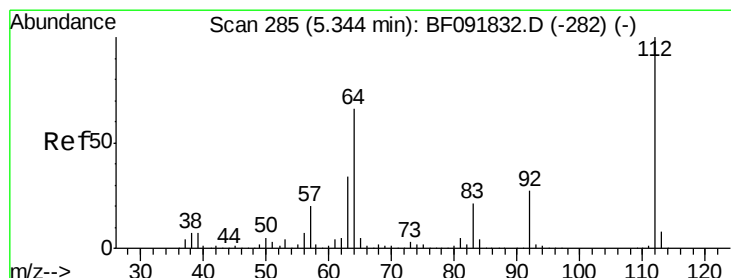
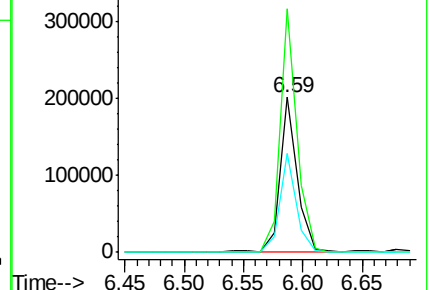
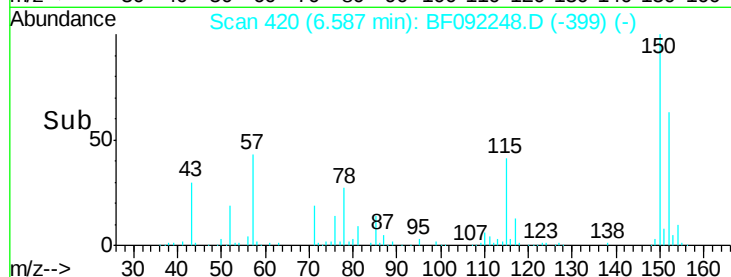
115 63.8 46.0 69.0



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



#5

2-Fluorophenol

Concen: 113.85 ng

RT: 5.18 min Scan# 297

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

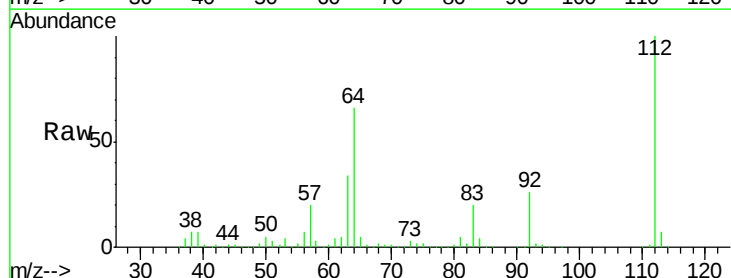
Tgt Ion:112 Resp: 1397570

Ion Ratio Lower Upper

112 100

64 66.4 46.1 69.1

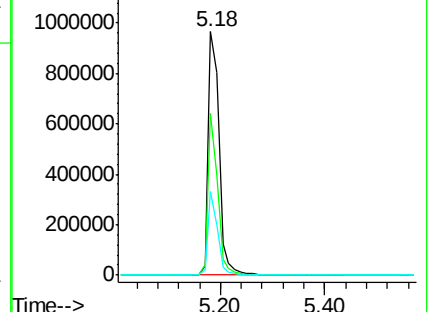
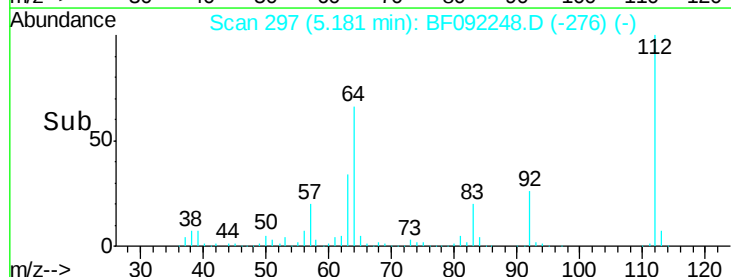
63 34.4 23.8 35.6

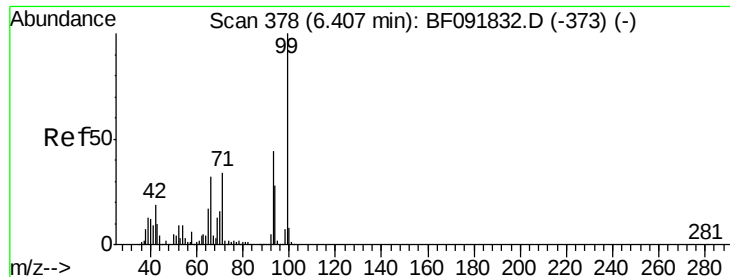


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.44 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

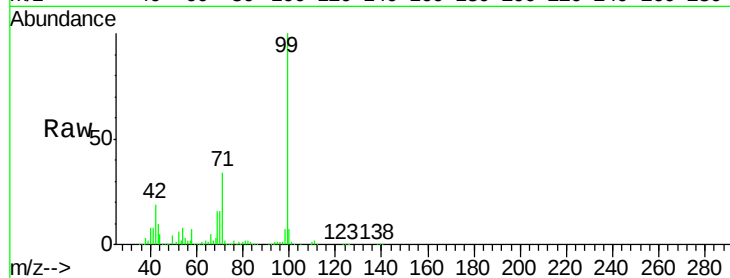
Tgt Ion: 99 Resp: 1700109

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

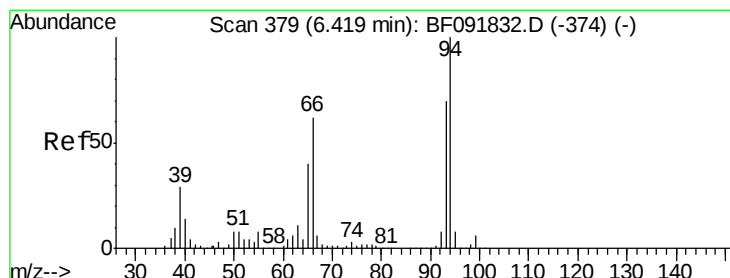
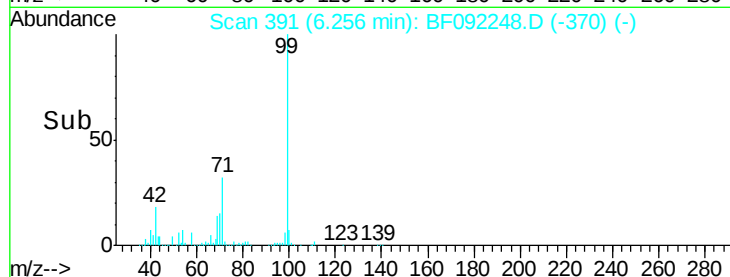
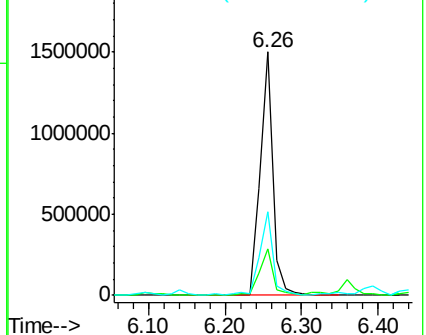
71 34.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.79 ng

RT: 6.27 min Scan# 392

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

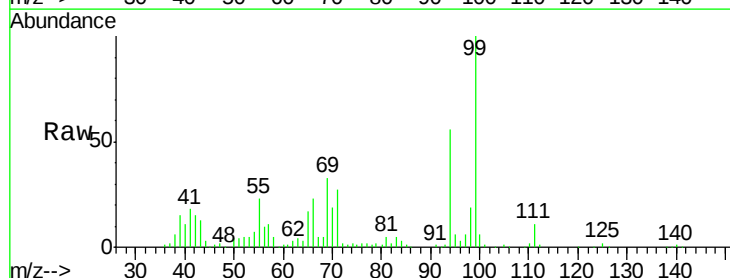
Tgt Ion: 94 Resp: 115899

Ion Ratio Lower Upper

94 100

65 30.1 21.4 61.4

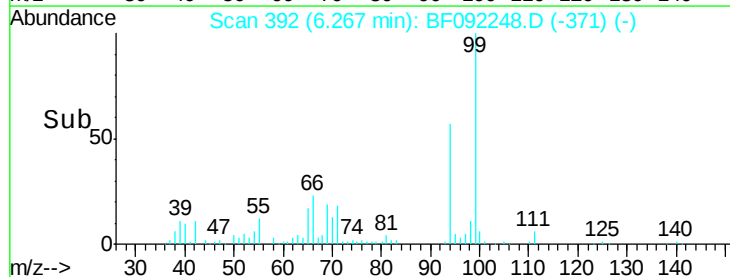
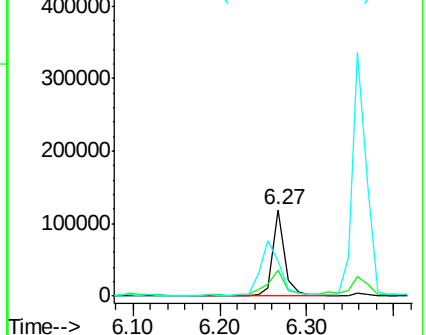
66 40.7 44.0 84.0#

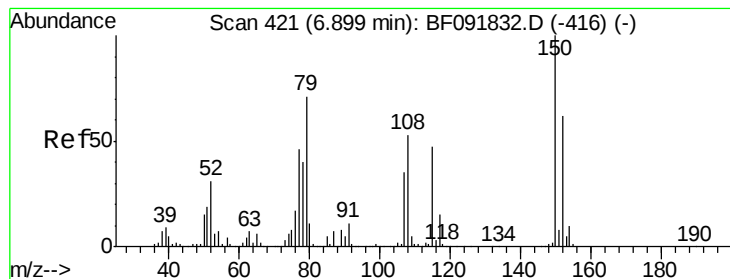


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.59 ng

RT: 6.75 min Scan# 434

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

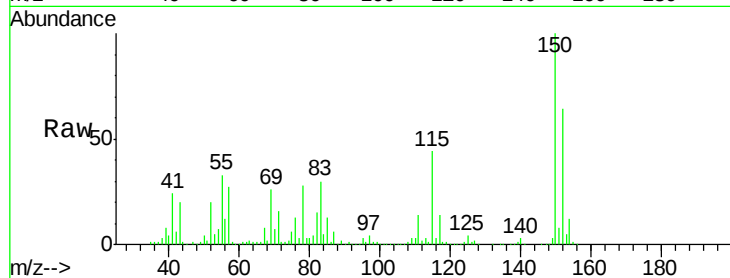
Tgt Ion: 79 Resp: 30134

Ion Ratio Lower Upper

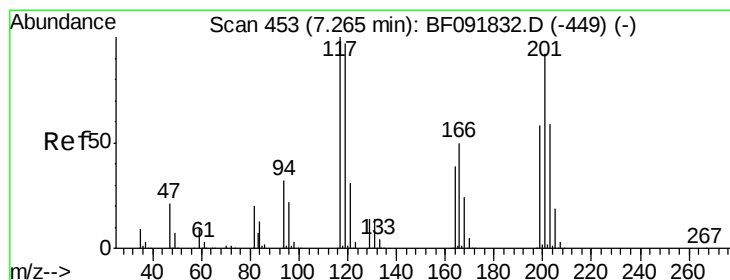
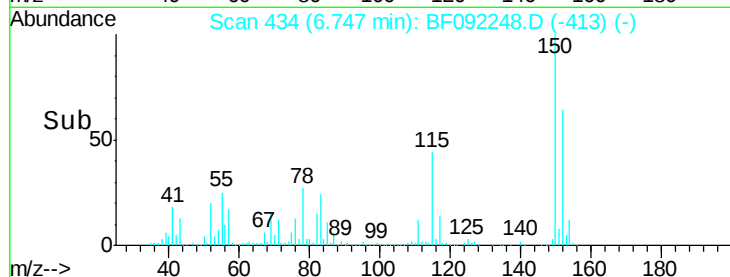
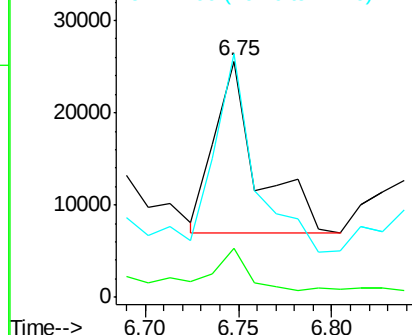
79 100

108 21.0 61.4 92.0#

77 103.1 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 16.12 ng

RT: 7.17 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

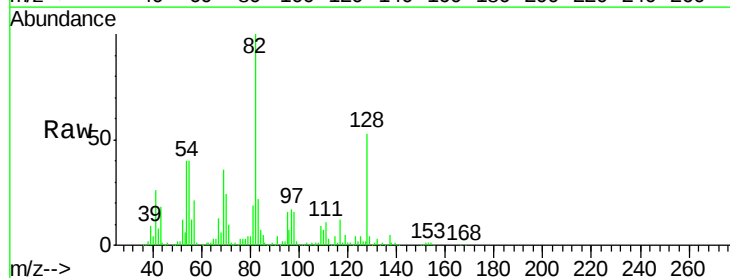
Tgt Ion: 117 Resp: 90654

Ion Ratio Lower Upper

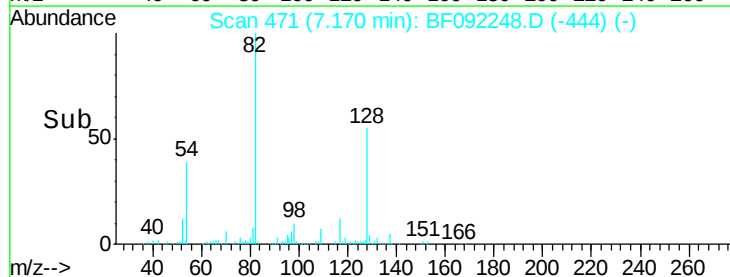
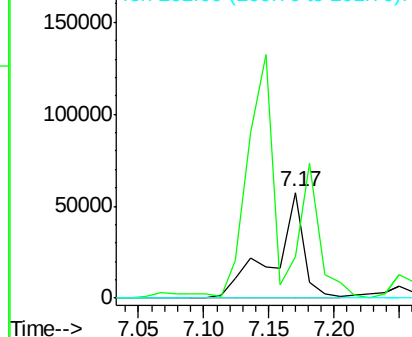
117 100

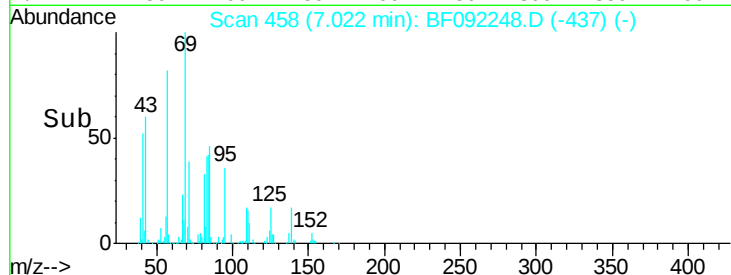
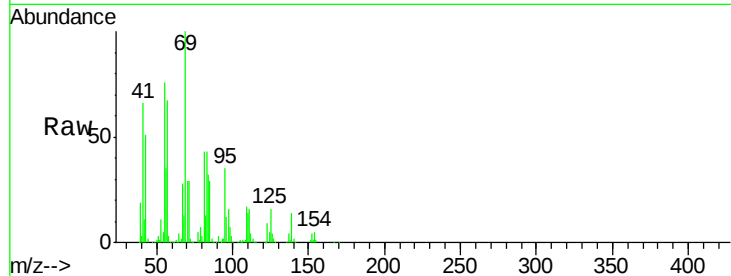
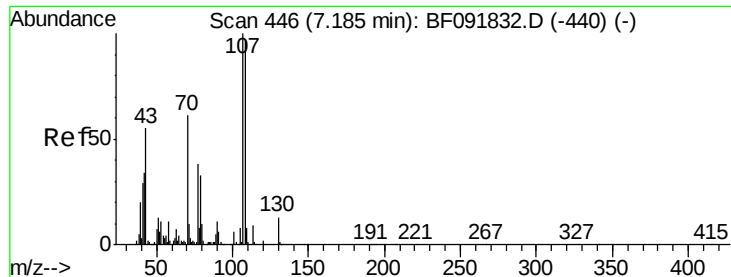
119 39.6 78.1 117.1#

201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B

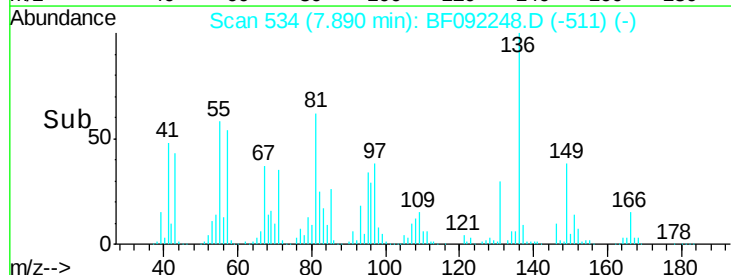
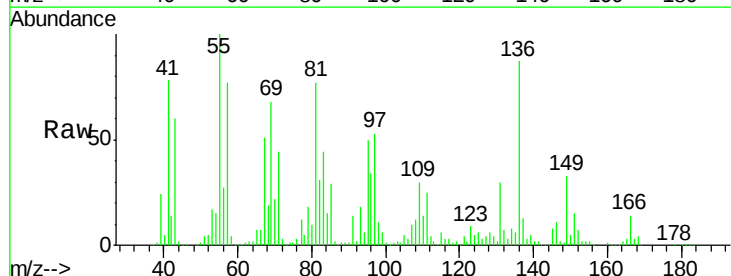
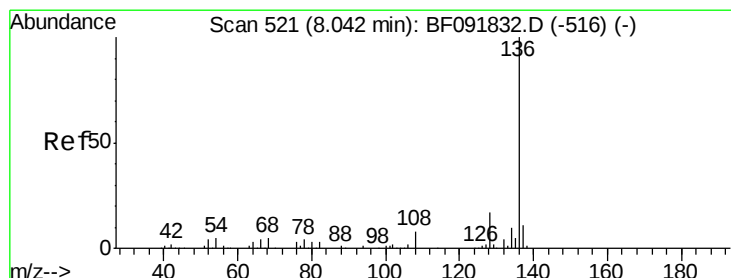
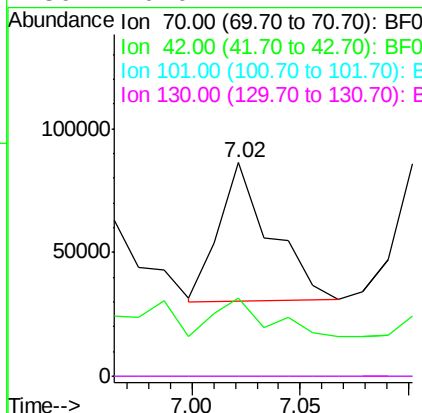




#19
n-Nitroso-di-n-propylamine
Concen: 9.32 ng
RT: 7.02 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

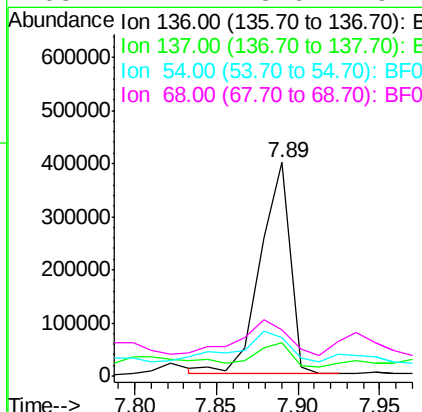
Instrument :
BNA_F
ClientSampleId :
P-17-11117

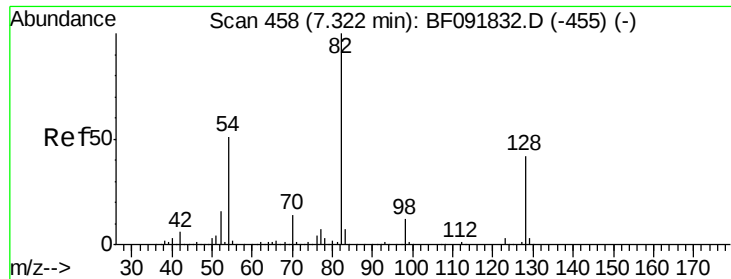
Tgt Ion: 70 Resp: 92931
Ion Ratio Lower Upper
70 100
42 36.7 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.89 min Scan# 534
Delta R.T. -0.04 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Tgt Ion: 136 Resp: 500933
Ion Ratio Lower Upper
136 100
137 15.4 8.4 12.6#
54 17.8 4.5 6.7#
68 21.4 3.6 5.4#

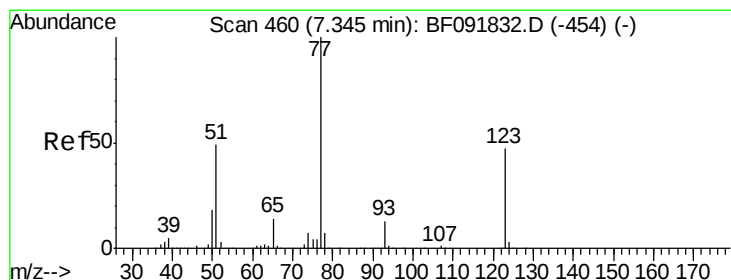
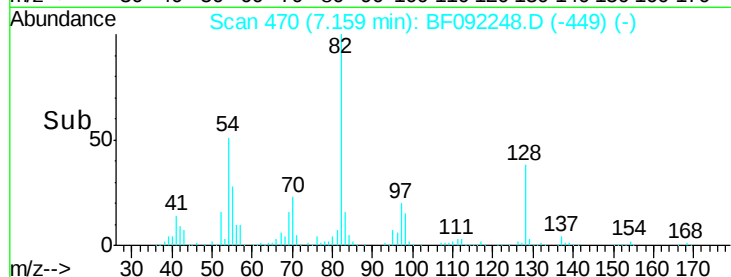
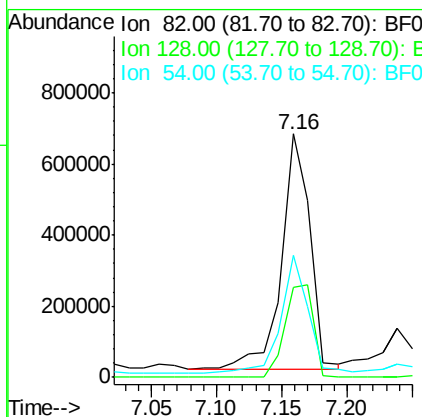
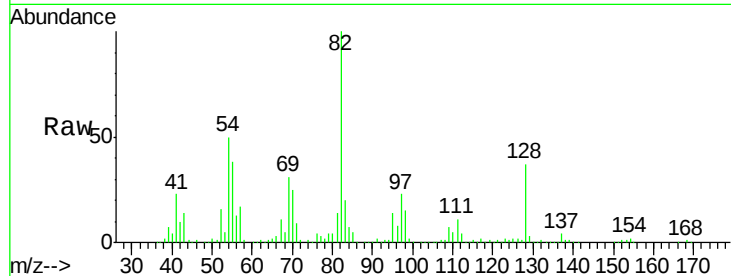




#23
 Nitrobenzene-d5
 Concen: 111.49 ng
 RT: 7.16 min Scan# 470
 Delta R.T. -0.05 min
 Lab File: BF092248.D
 Acq: 13 Jan 2017 14:43

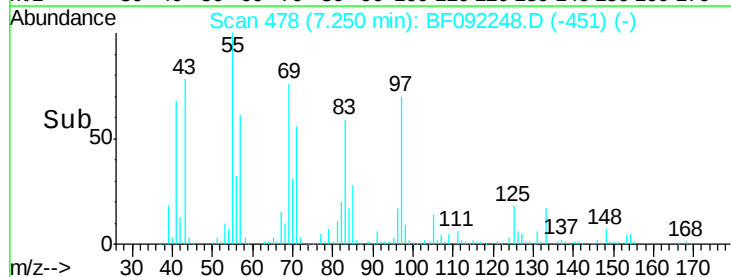
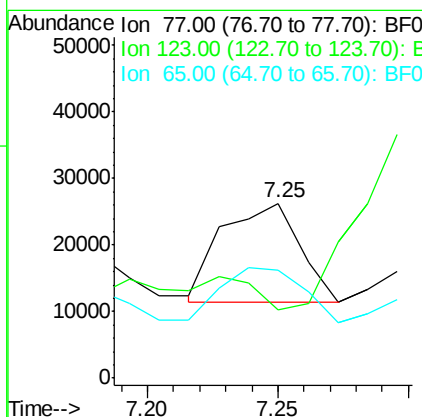
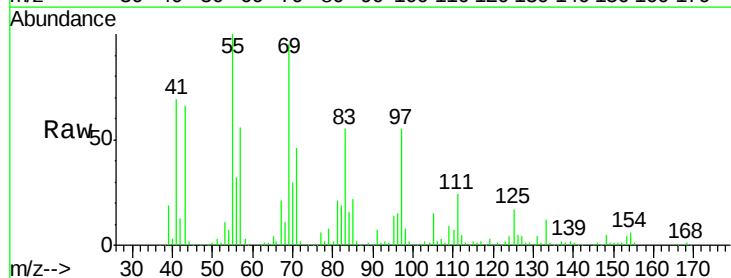
Instrument :
 BNA_F
 ClientSampled :
 P-17-11117

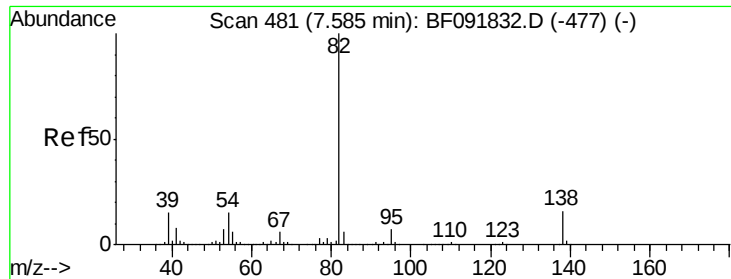
Tgt Ion: 82 Resp: 1004368
 Ion Ratio Lower Upper
 82 100
 128 36.8 34.6 52.0
 54 50.3 39.5 59.3



#24
 Nitrobenzene
 Concen: 3.21 ng
 RT: 7.25 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: BF092248.D
 Acq: 13 Jan 2017 14:43

Tgt Ion: 77 Resp: 30792
 Ion Ratio Lower Upper
 77 100
 123 39.2 33.0 49.4
 65 61.7 11.2 16.8#





#25

Isophorone

Concen: 17.97 ng

RT: 7.41 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

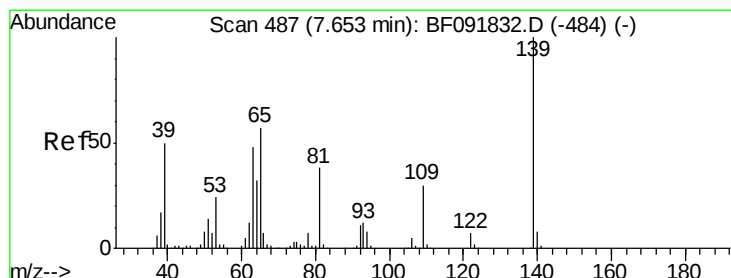
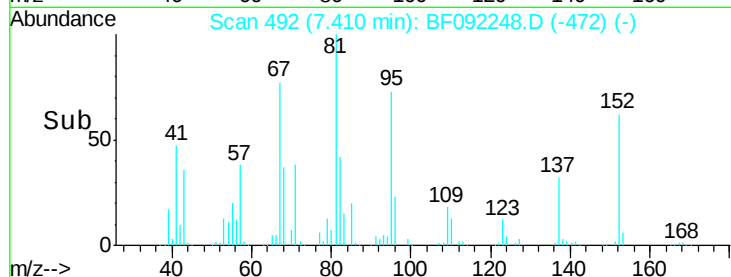
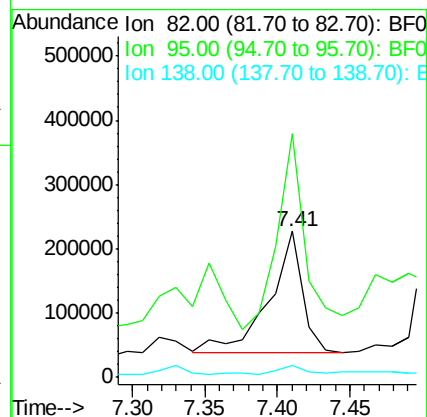
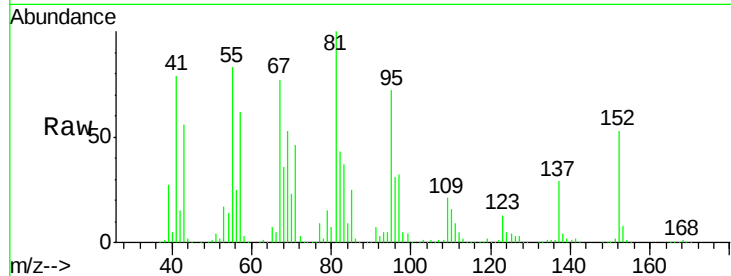
Tgt Ion: 82 Resp: 298679

Ion Ratio Lower Upper

82 100

95 166.5 5.6 8.4#

138 8.3 14.6 22.0#



#26

2-Nitrophenol

Concen: 16.10 ng

RT: 7.57 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

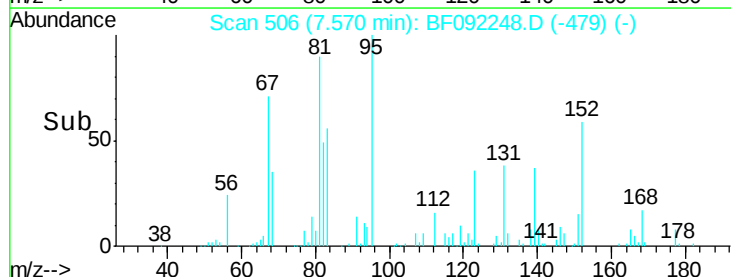
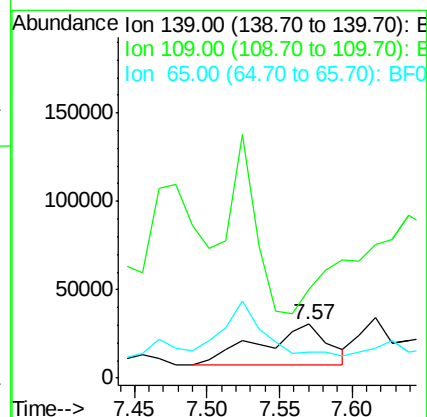
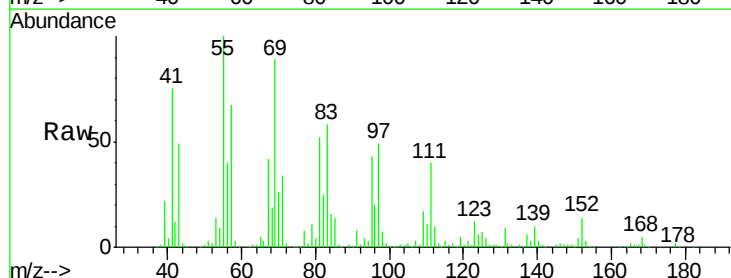
Tgt Ion: 139 Resp: 76171

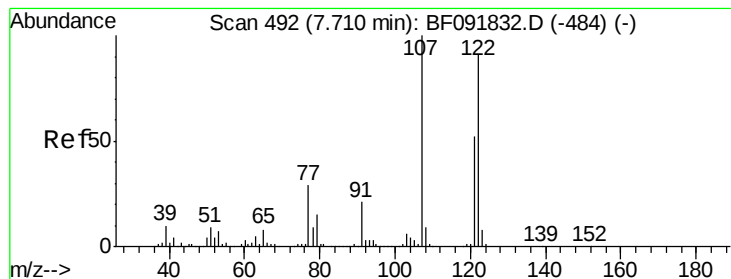
Ion Ratio Lower Upper

139 100

109 163.6 23.3 34.9#

65 49.3 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 5.86 ng

RT: 7.54 min Scan# 503

Delta R.T. -0.08 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

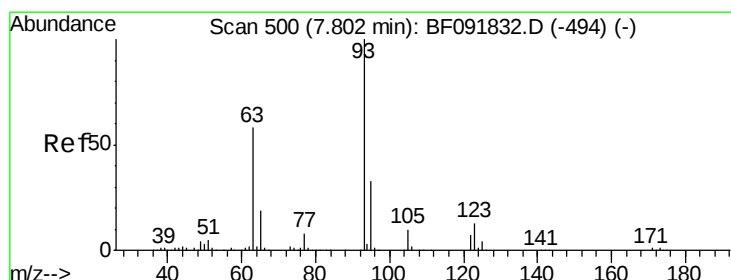
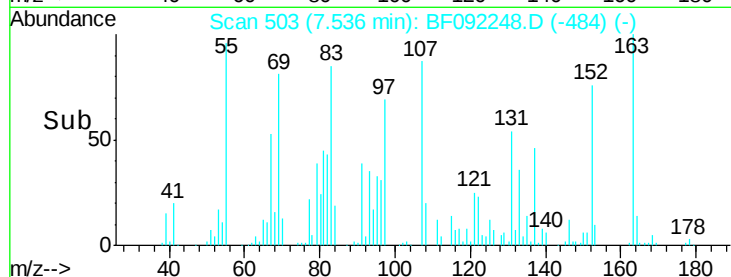
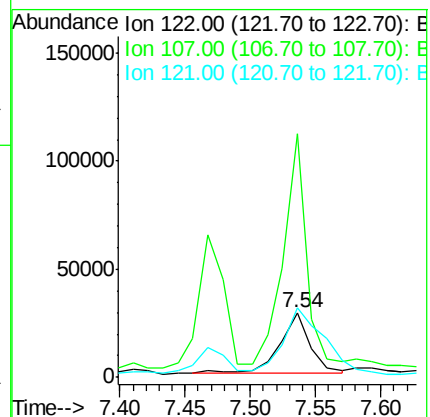
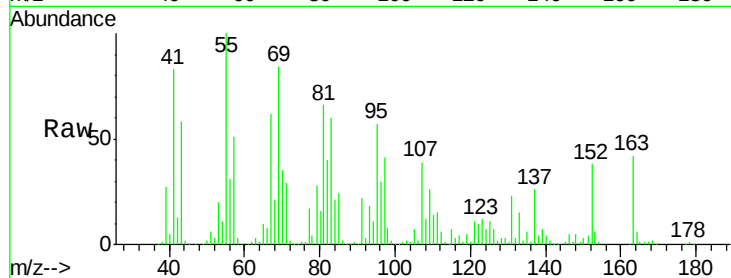
Tgt Ion: 122 Resp: 45955

Ion Ratio Lower Upper

122 100

107 375.9 94.1 141.1#

121 107.1 46.0 69.0#



#28

bis(2-Chloroethoxy)methane

Concen: 5.32 ng

RT: 7.68 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

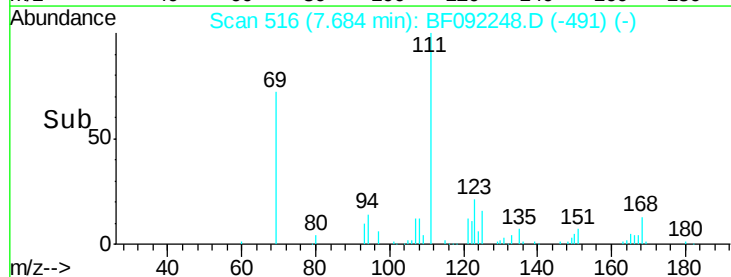
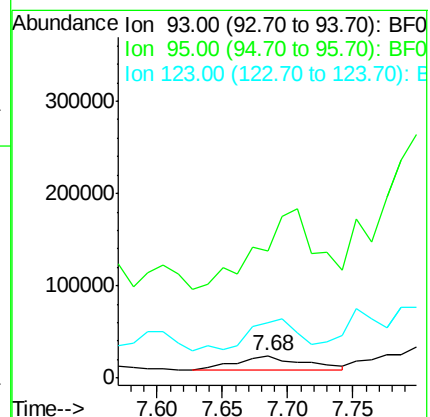
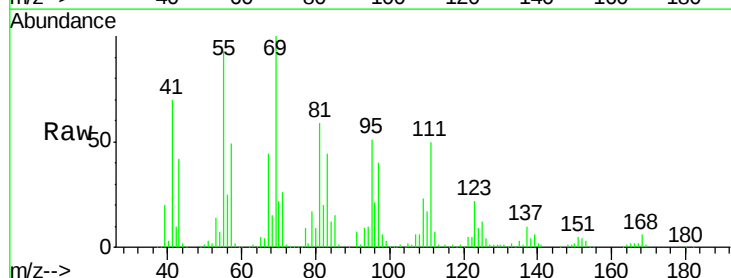
Tgt Ion: 93 Resp: 53570

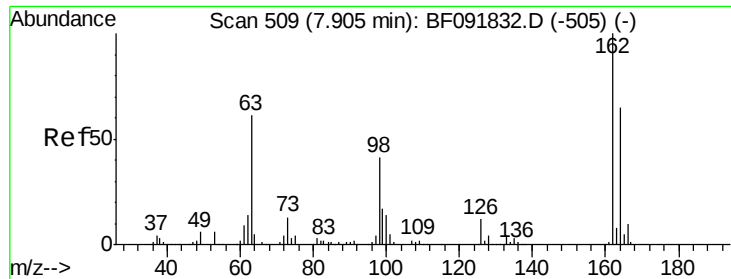
Ion Ratio Lower Upper

93 100

95 560.0 26.5 39.7#

123 241.1 8.6 13.0#





#29

2,4-Dichlorophenol

Concen: 3.42 ng

RT: 7.74 min Scan# 521

Delta R.T. -0.07 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

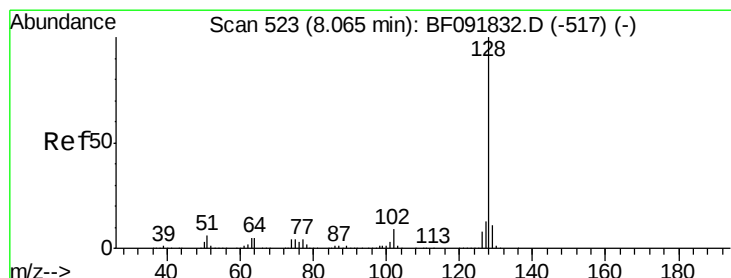
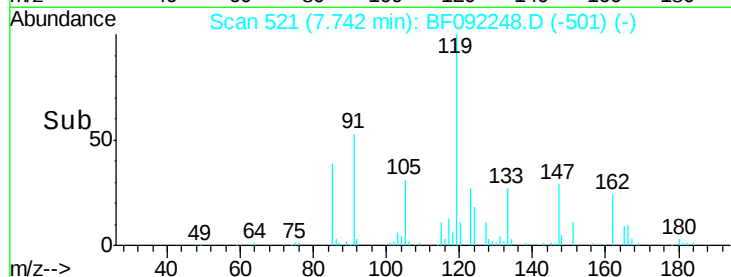
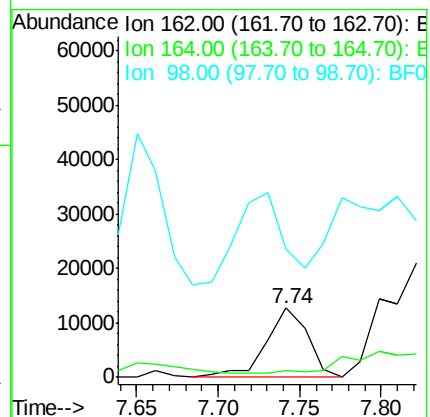
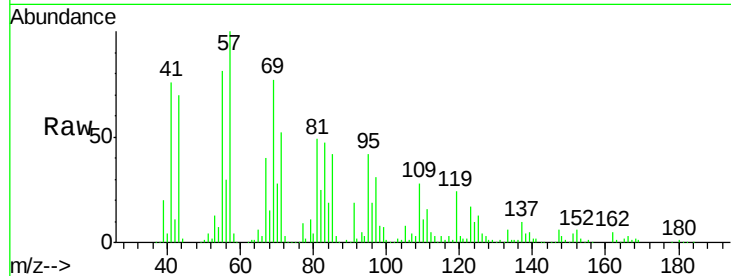
Tgt Ion:162 Resp: 22716

Ion Ratio Lower Upper

162 100

164 10.4 46.8 86.8#

98 185.5 9.1 49.1#



#31

Naphthalene

Concen: 10.10 ng

RT: 7.90 min Scan# 535

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

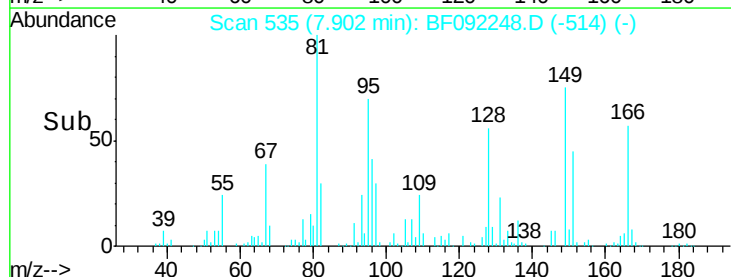
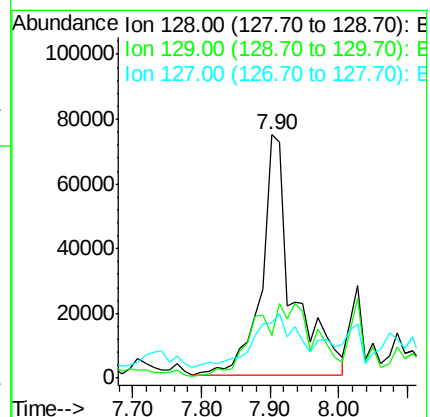
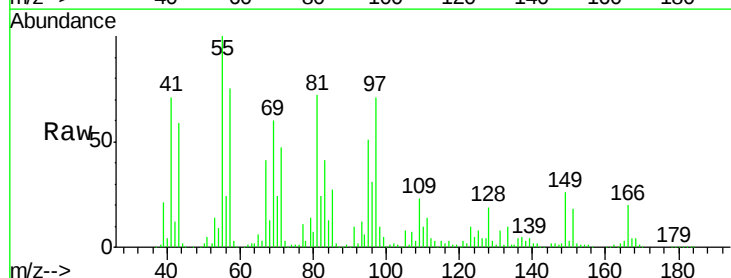
Tgt Ion:128 Resp: 231498

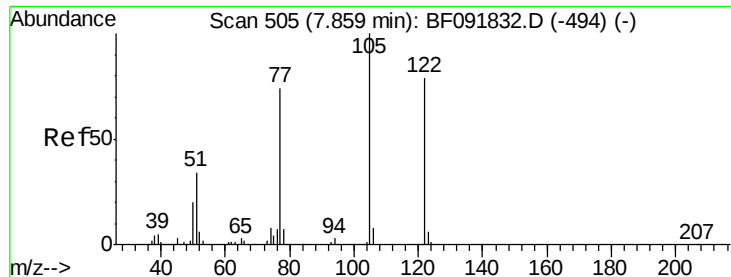
Ion Ratio Lower Upper

128 100

129 17.4 9.5 14.3#

127 22.9 10.8 16.2#

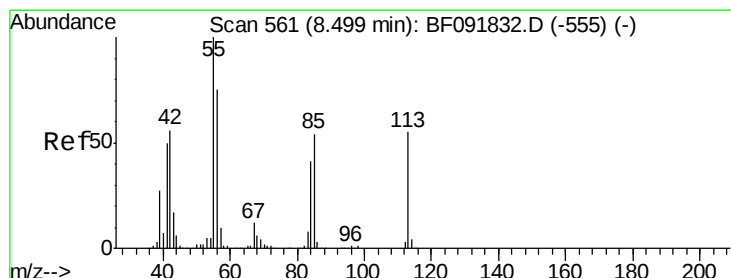
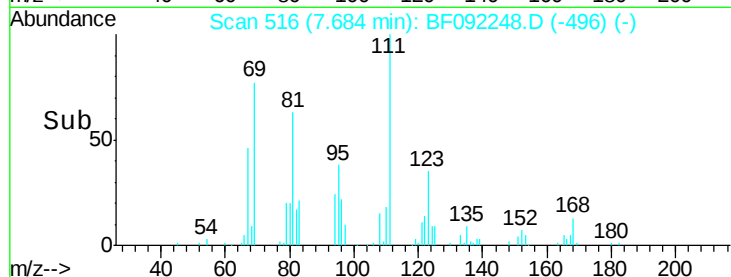
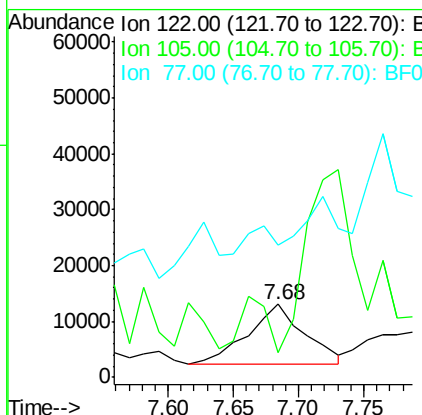
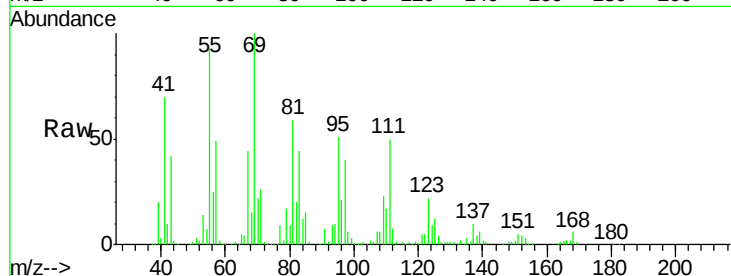




#32
Benzoic acid
Concen: 5.67 ng
RT: 7.68 min Scan# 516
Delta R.T. -0.07 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

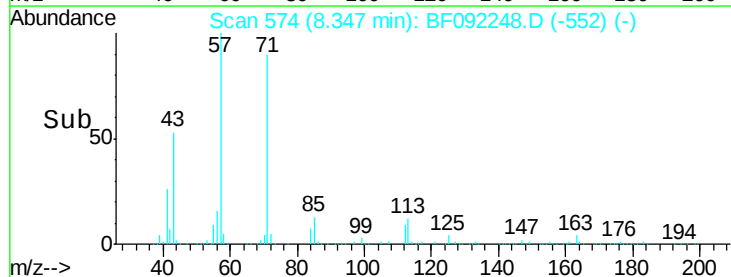
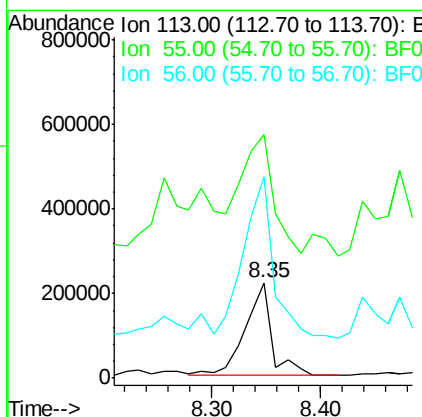
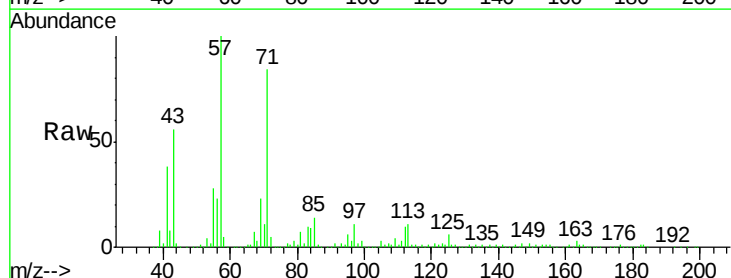
Instrument :
BNA_F
ClientSampleId :
P-17-11117

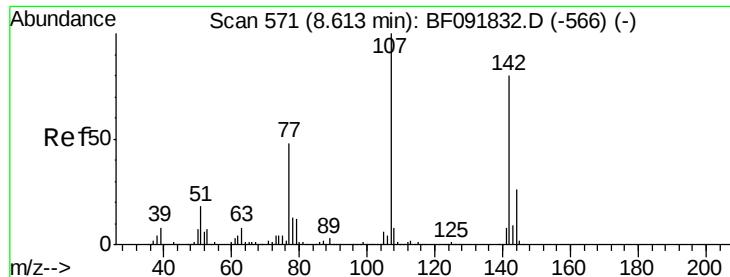
Tgt Ion:122 Resp: 32999
Ion Ratio Lower Upper
122 100
105 34.3 107.2 147.2#
77 180.6 74.5 114.5#



#35
Caprolactam
Concen: 171.19 ng
RT: 8.35 min Scan# 574
Delta R.T. -0.04 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Tgt Ion:113 Resp: 373846
Ion Ratio Lower Upper
113 100
55 254.3 119.2 159.2#
56 210.6 83.8 123.8#

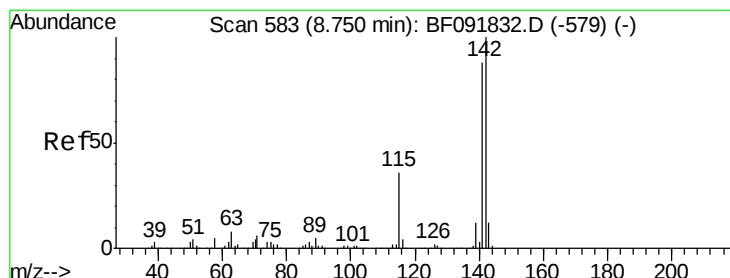
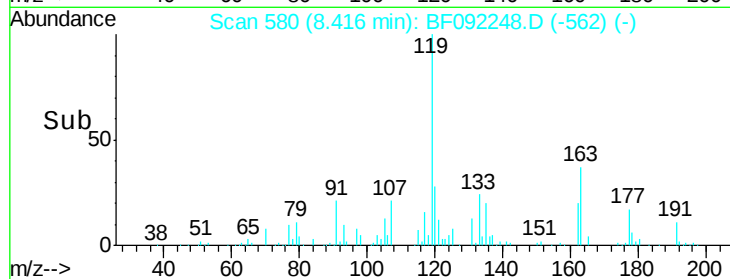
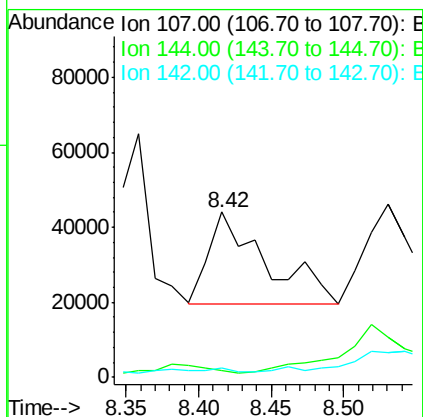
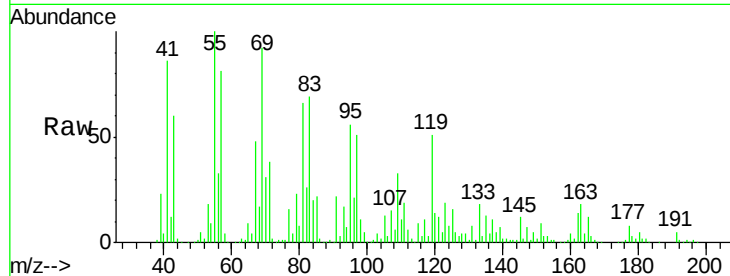




#36
 4-Chloro-3-methylphenol
 Concen: 8.81 ng
 RT: 8.42 min Scan# 580
 Delta R.T. -0.09 min
 Lab File: BF092248.D
 Acq: 13 Jan 2017 14:43

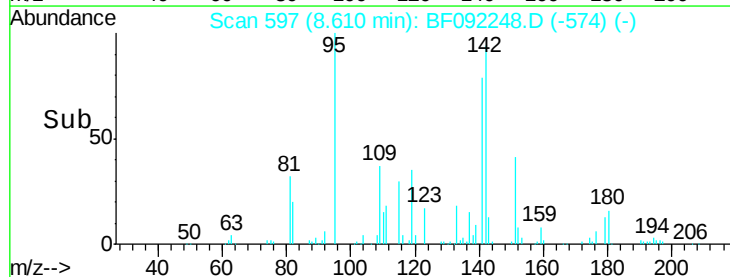
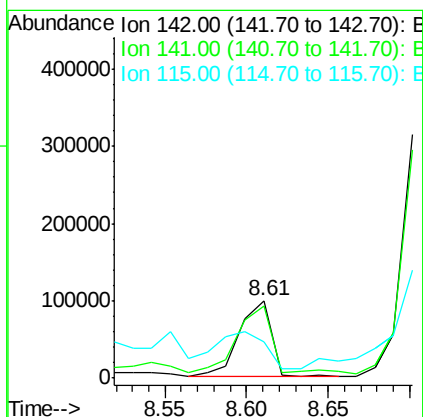
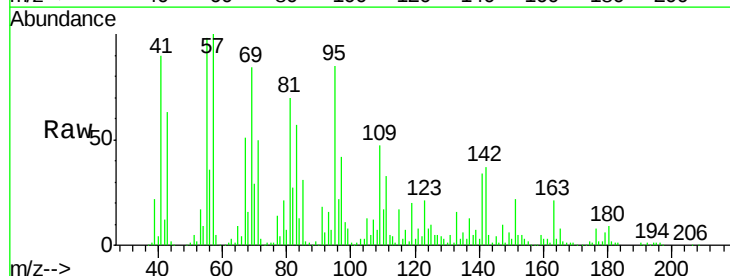
Instrument :
 BNA_F
 ClientSampleId :
 P-17-11117

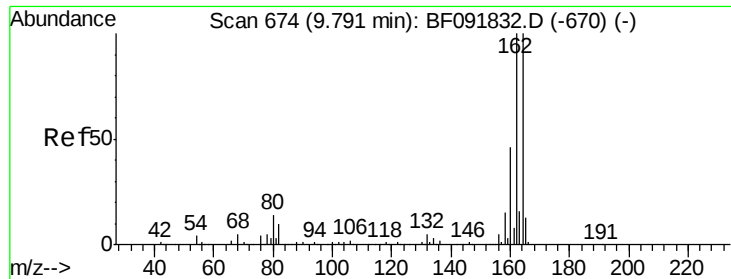
Tgt Ion:107 Resp: 67404
 Ion Ratio Lower Upper
 107 100
 144 3.9 19.3 28.9#
 142 5.6 59.0 88.6#



#37
 2-Methylnaphthalene
 Concen: 7.23 ng
 RT: 8.61 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: BF092248.D
 Acq: 13 Jan 2017 14:43

Tgt Ion:142 Resp: 135820
 Ion Ratio Lower Upper
 142 100
 141 93.0 71.0 106.6
 115 46.9 28.3 42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 687

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

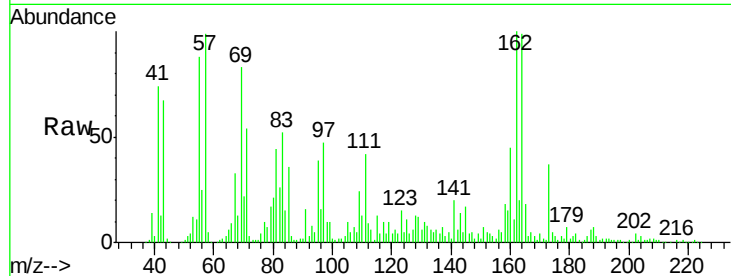
Tgt Ion:164 Resp: 277789

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

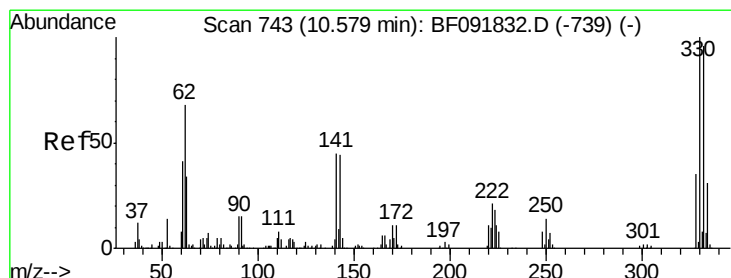
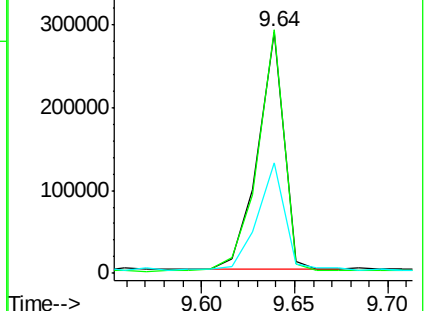
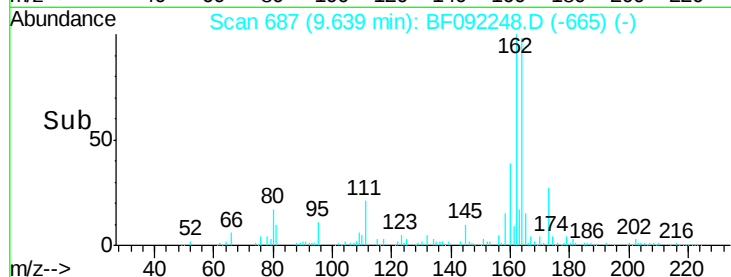
160 45.9 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 120.54 ng

RT: 10.42 min Scan# 755

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

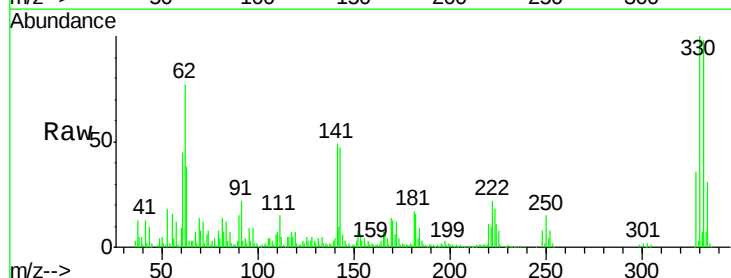
Tgt Ion:330 Resp: 277101

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

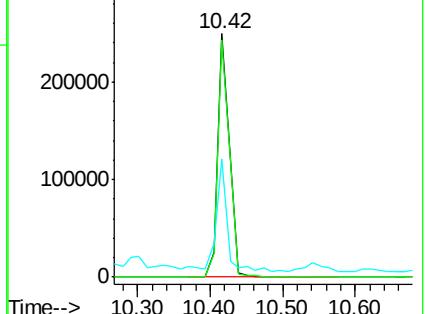
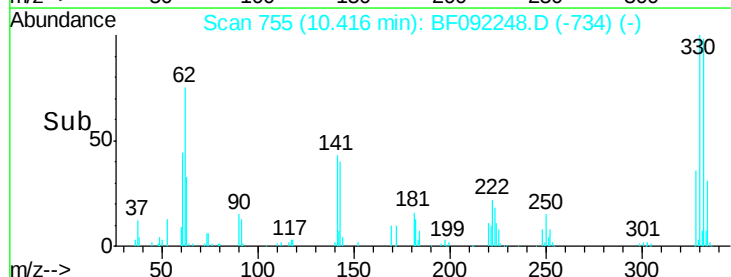
141 41.8 34.1 51.1

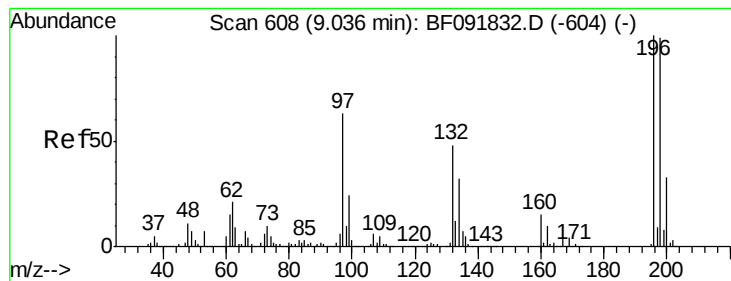


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 2.82 ng

RT: 8.90 min Scan# 622

Delta R.T. -0.03 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

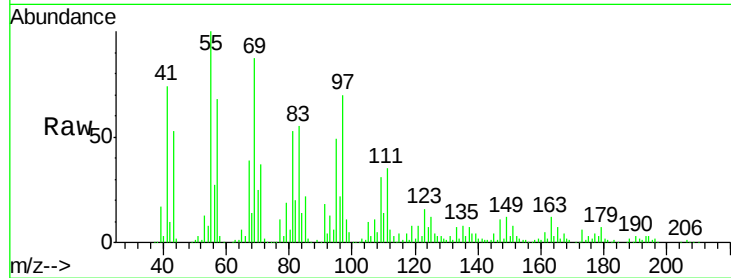
Tgt Ion:196 Resp: 13850

Ion Ratio Lower Upper

196 100

198 0.0 82.1 123.1#

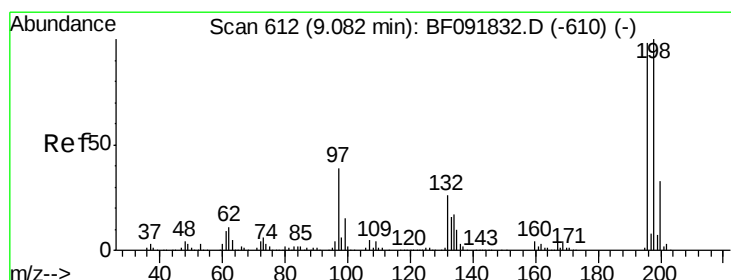
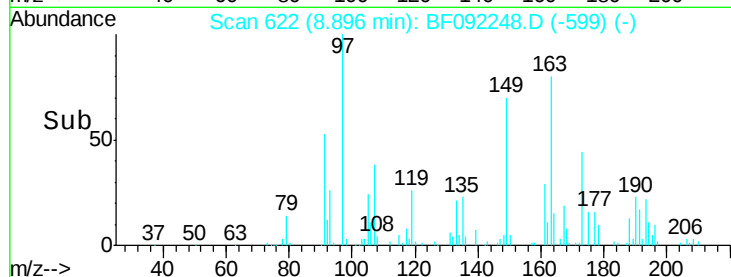
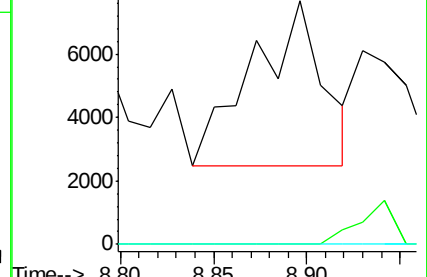
200 0.0 27.0 40.4#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 2.06 ng

RT: 8.93 min Scan# 625

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Tgt Ion:196 Resp: 10390

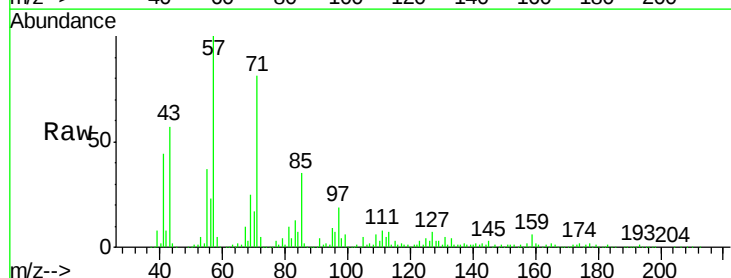
Ion Ratio Lower Upper

196 100

198 11.1 79.4 119.2#

97 4152.9 51.5 77.3#

132 241.3 27.4 41.2#

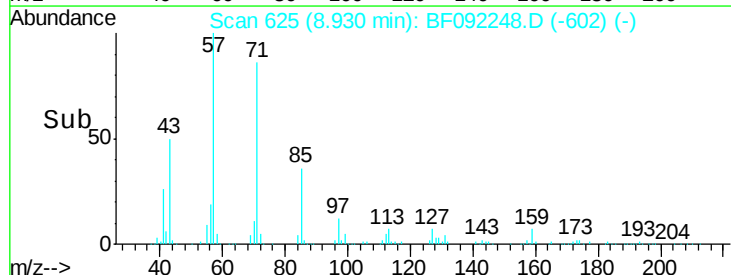
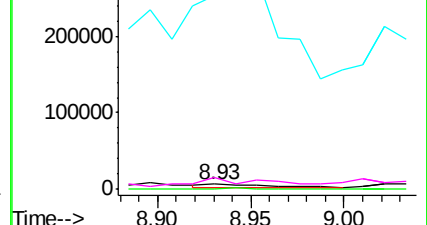


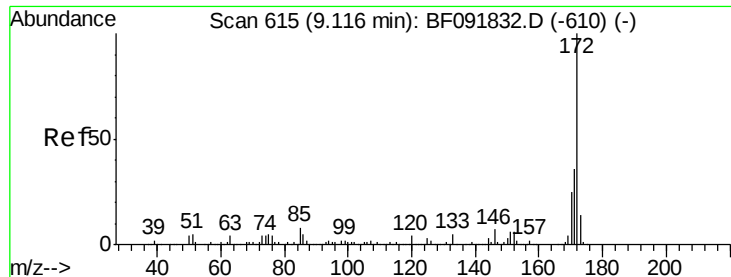
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 90.34 ng

RT: 8.96 min Scan# 628

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

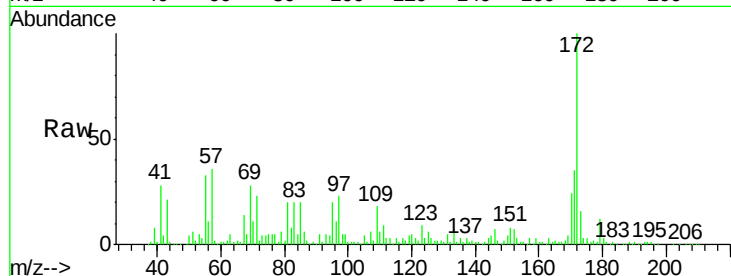
Tgt Ion:172 Resp: 1213850

Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.0

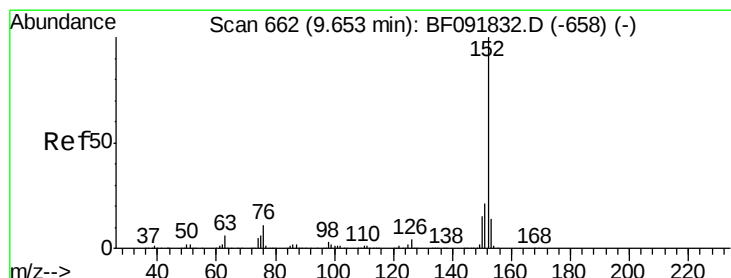
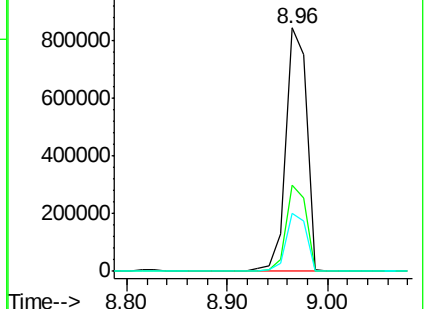
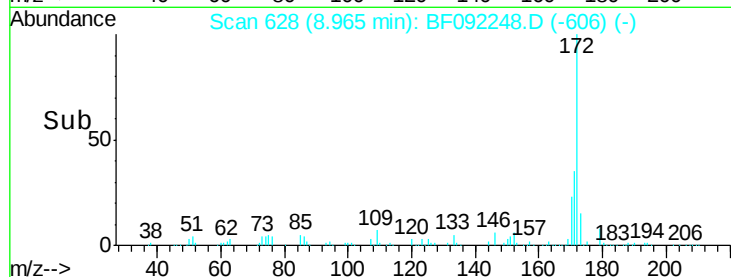
170 23.6 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 9.44 ng

RT: 9.50 min Scan# 675

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

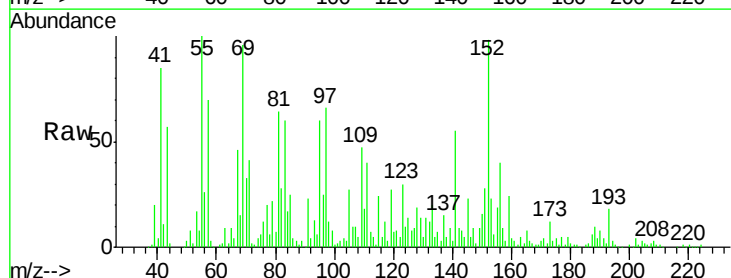
Tgt Ion:152 Resp: 218780

Ion Ratio Lower Upper

152 100

151 28.7 16.9 25.3#

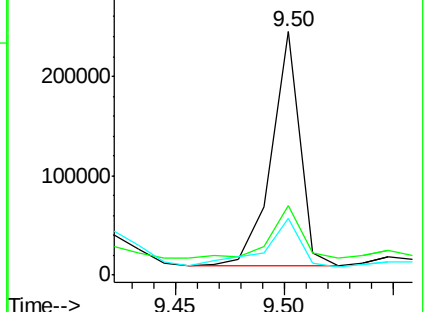
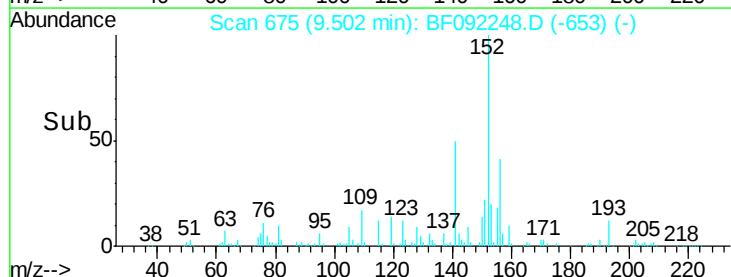
153 23.3 11.4 17.2#

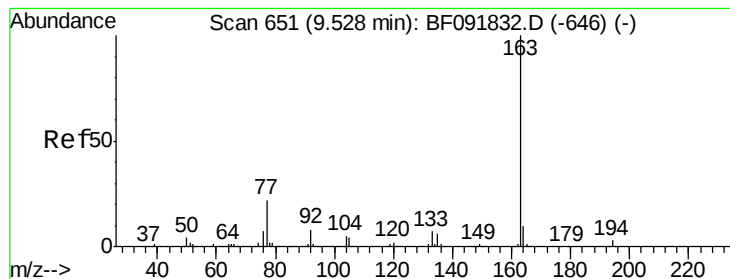


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 12.45 ng

RT: 9.36 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

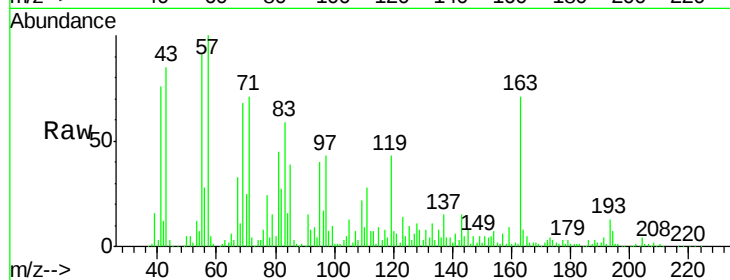
Tgt Ion:163 Resp: 221221

Ion Ratio Lower Upper

163 100

194 9.6 3.0 4.4#

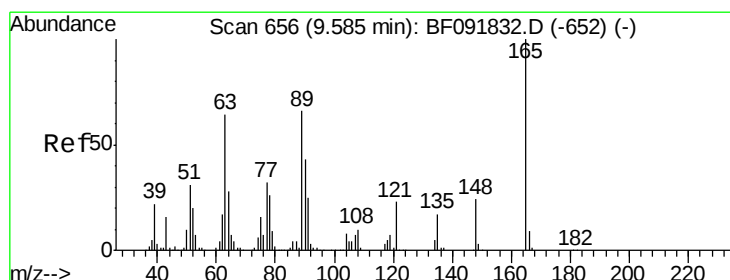
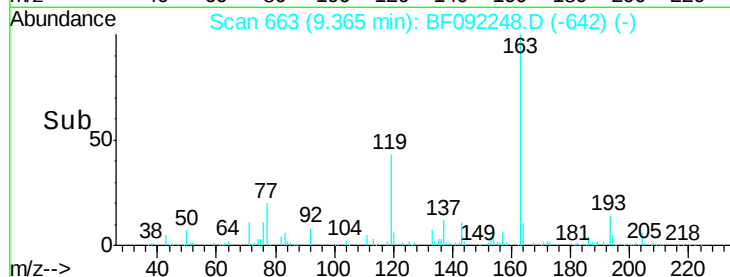
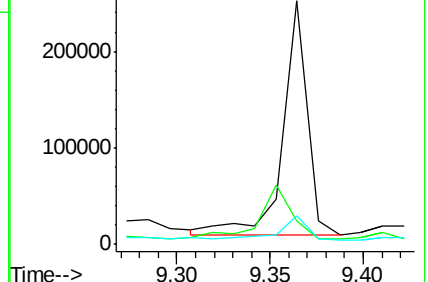
164 11.9 8.0 12.0



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: 8.83 ng

RT: 9.44 min Scan# 670

Delta R.T. -0.03 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

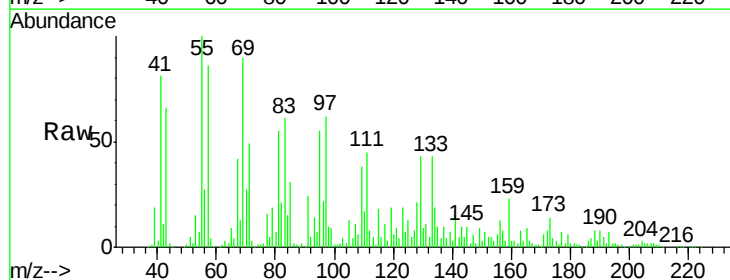
Tgt Ion:165 Resp: 34354

Ion Ratio Lower Upper

165 100

63 35.6 36.2 54.4#

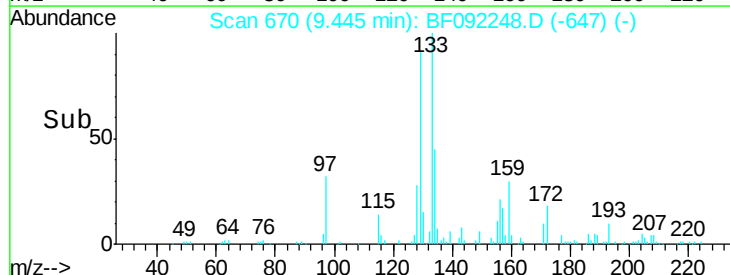
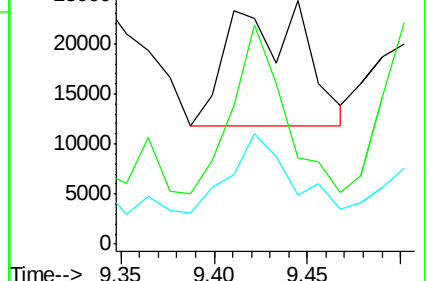
89 20.0 40.2 60.4#

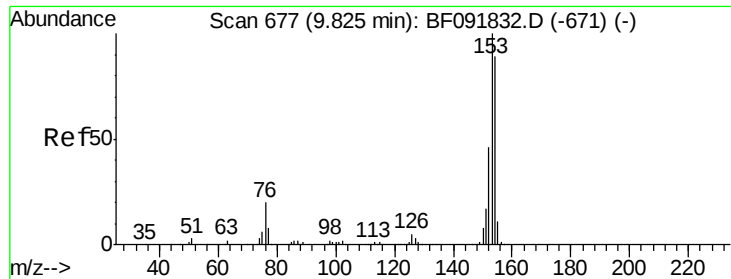


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 8.85 ng

RT: 9.67 min Scan# 690

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

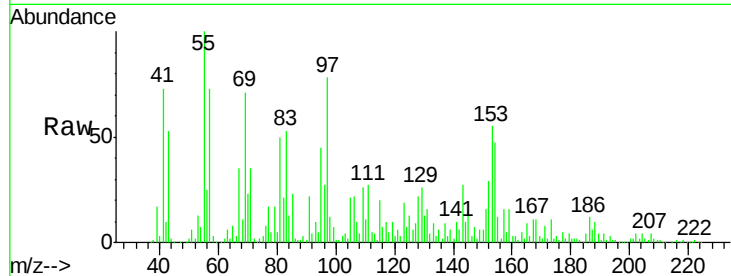
Tgt Ion:154 Resp: 138986

Ion Ratio Lower Upper

154 100

153 117.3 88.6 133.0

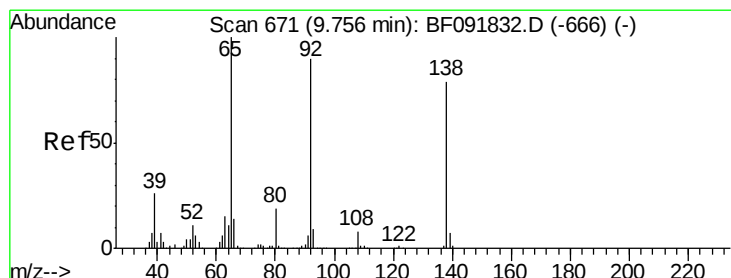
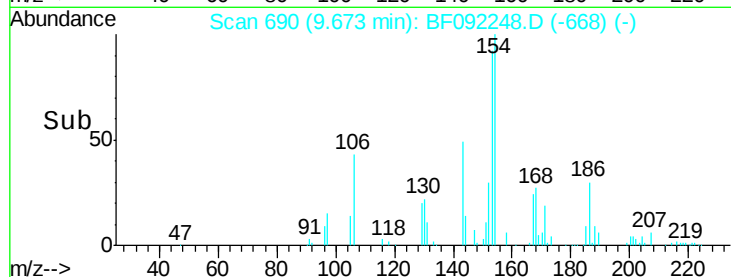
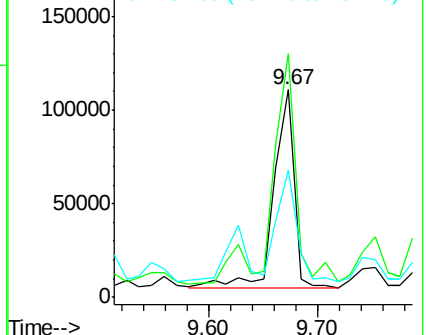
152 61.3 41.6 62.4



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: 4.48 ng

RT: 9.59 min Scan# 683

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

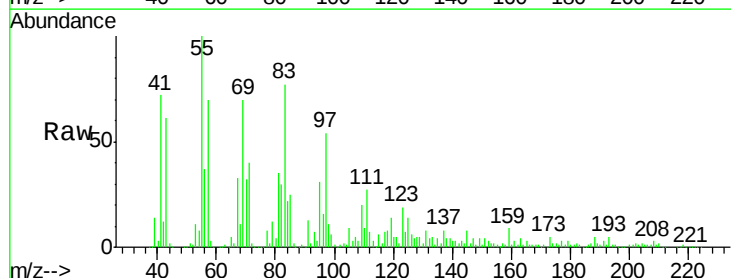
Tgt Ion:138 Resp: 21551

Ion Ratio Lower Upper

138 100

108 70.3 8.5 12.7#

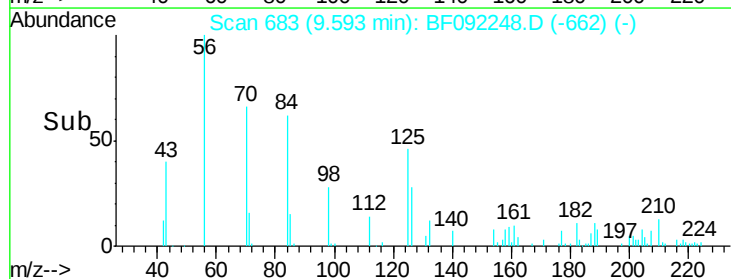
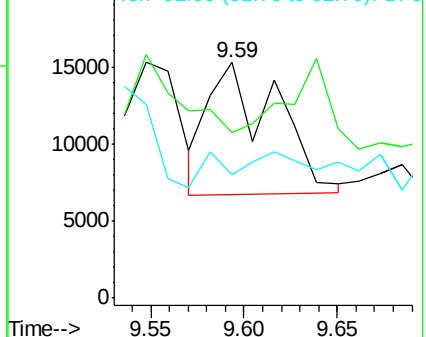
92 52.4 97.8 146.8#

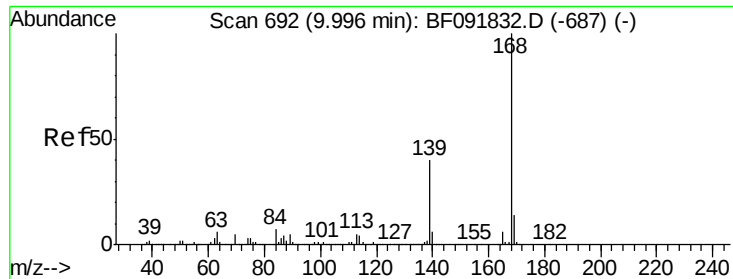


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

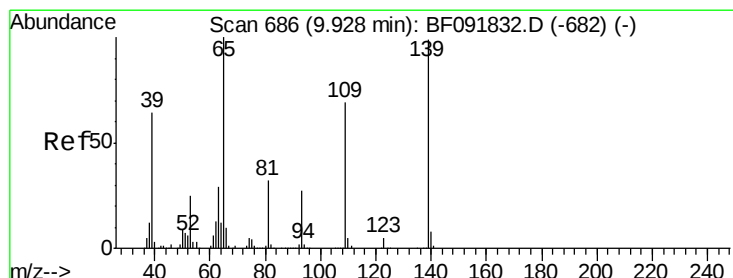
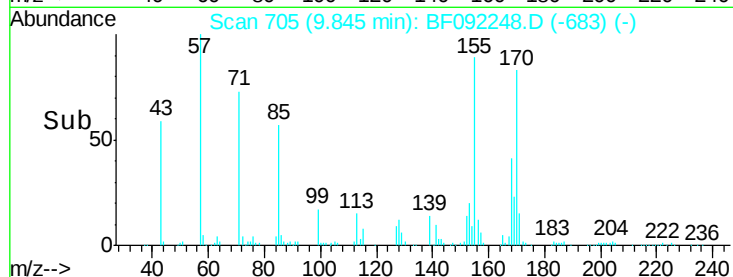
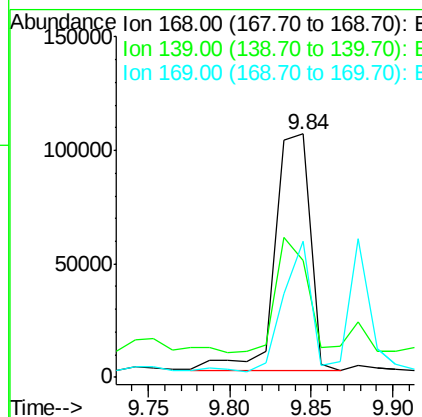
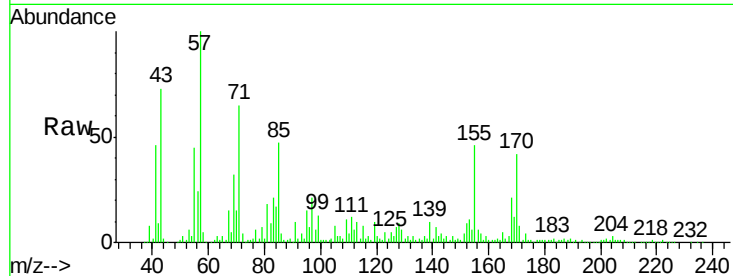




#54
Dibenzenofuran
Concen: 7.46 ng
RT: 9.84 min Scan# 705
Delta R.T. -0.04 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

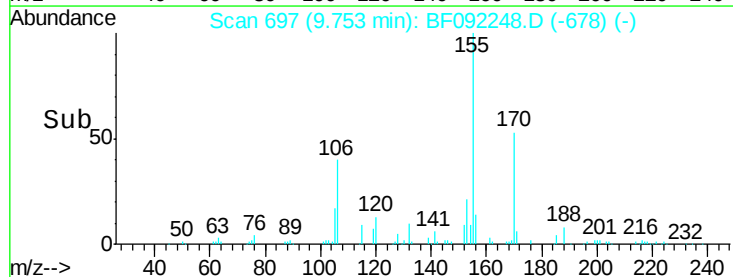
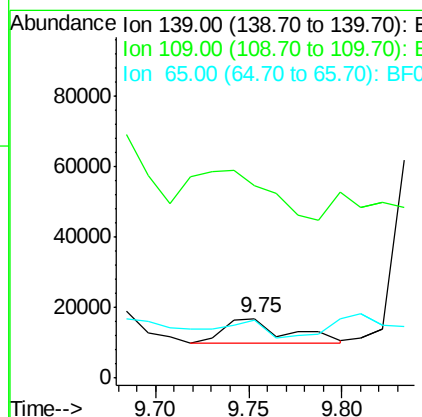
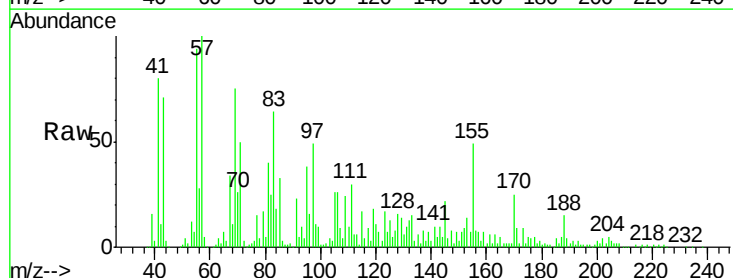
Instrument :
BNA_F
ClientSampleId :
P-17-11117

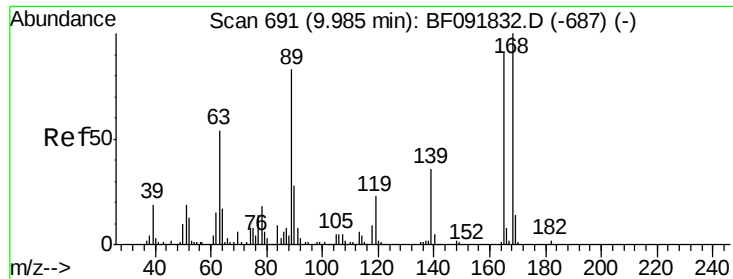
Tgt Ion:168 Resp: 158308
Ion Ratio Lower Upper
168 100
139 47.8 32.6 49.0
169 55.7 11.3 16.9#



#55
4-Nitrophenol
Concen: 5.25 ng
RT: 9.75 min Scan# 697
Delta R.T. -0.08 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Tgt Ion:139 Resp: 17149
Ion Ratio Lower Upper
139 100
109 323.2 52.2 92.2#
65 96.5 85.8 125.8





#56

2,4-Dinitrotoluene

Concen: 7.19 ng

RT: 9.84 min Scan# 705

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

Tgt Ion:165 Resp: 35079

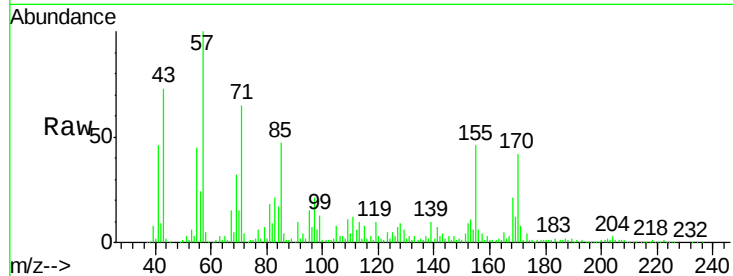
Ion Ratio Lower Upper

165 100

63 52.9 40.2 60.4

89 32.7 62.5 93.7#

182 28.8 1.8 2.8#

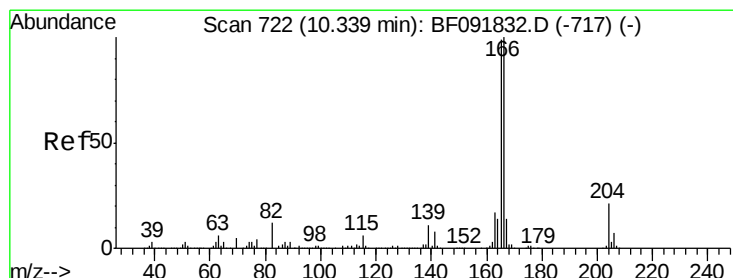
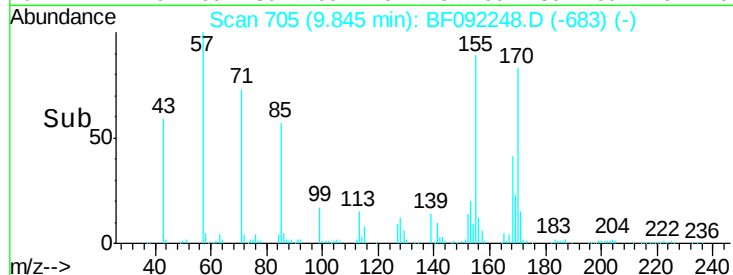
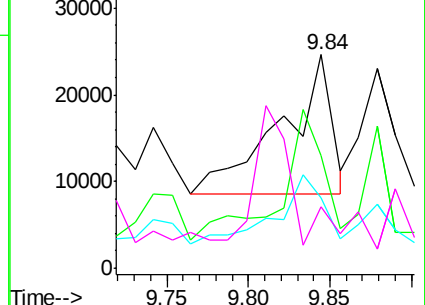


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 17.22 ng

RT: 10.18 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

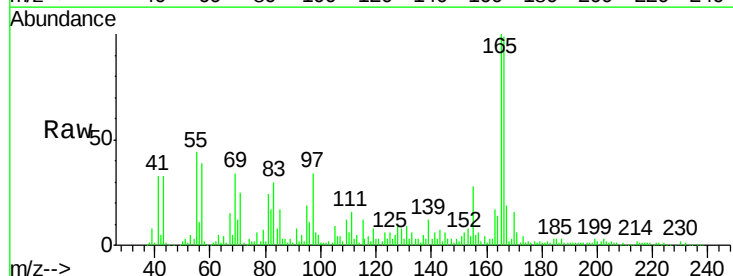
Tgt Ion:166 Resp: 265708

Ion Ratio Lower Upper

166 100

165 101.0 77.8 116.8

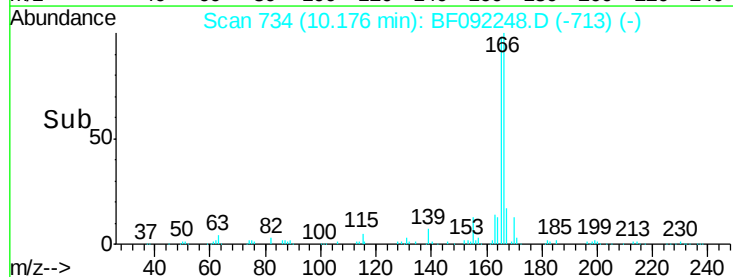
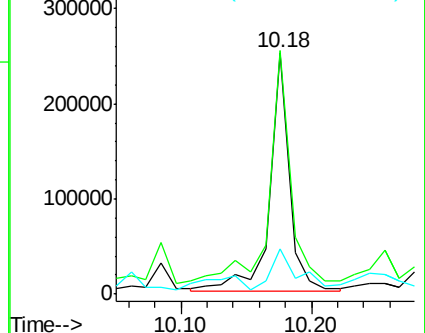
167 18.8 10.8 16.2#

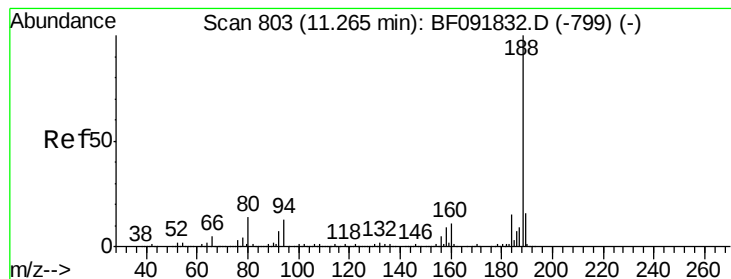


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 815

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

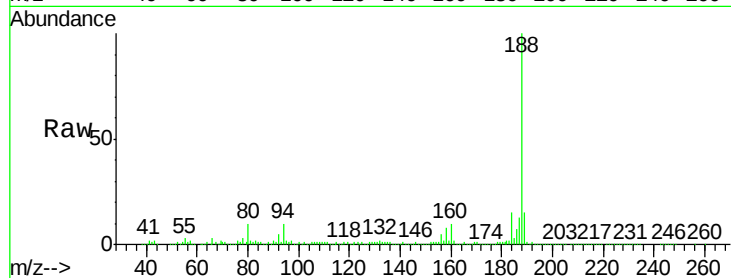
Tgt Ion:188 Resp: 517345

Ion Ratio Lower Upper

188 100

94 10.0 10.0 15.0#

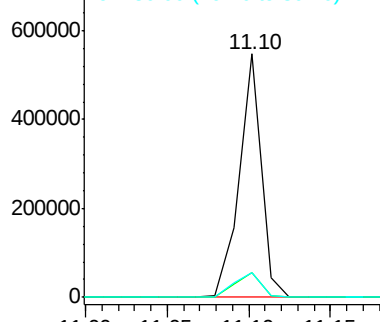
80 10.1 11.2 16.8#



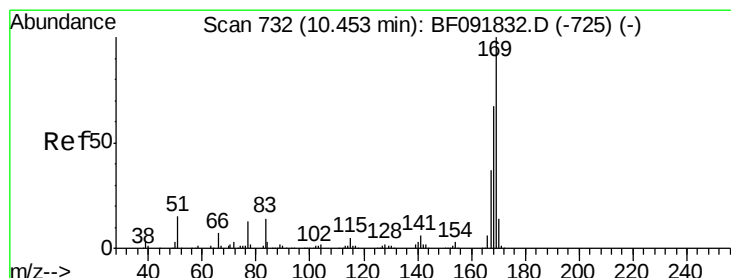
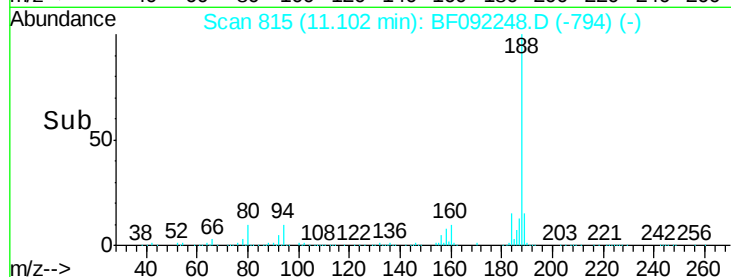
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.00 11.05 11.10 11.15



#65

n-Nitrosodiphenylamine

Concen: 5.74 ng

RT: 10.29 min Scan# 744

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

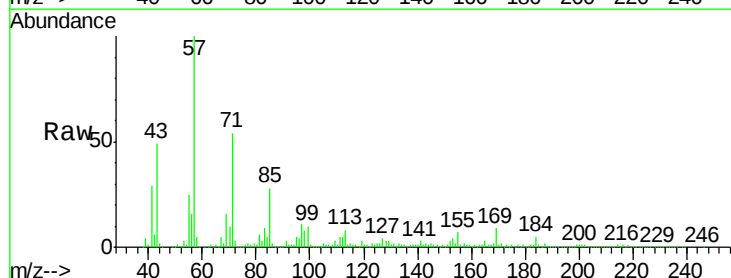
Tgt Ion:169 Resp: 88070

Ion Ratio Lower Upper

169 100

168 22.3 54.2 81.2#

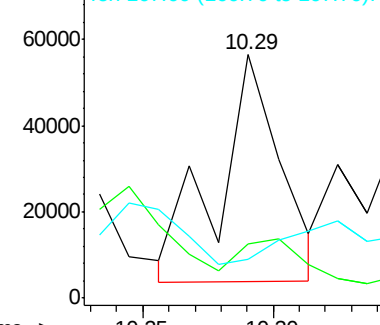
167 15.9 30.2 45.4#



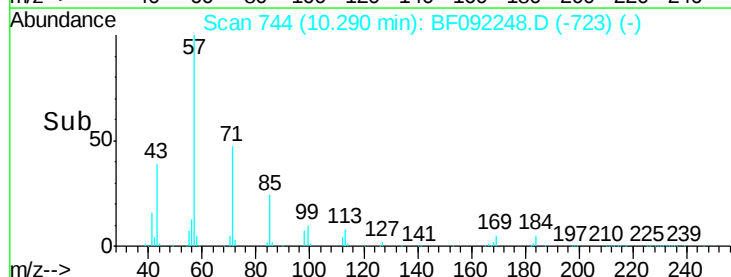
Abundance Ion 169.00 (168.70 to 169.70): E

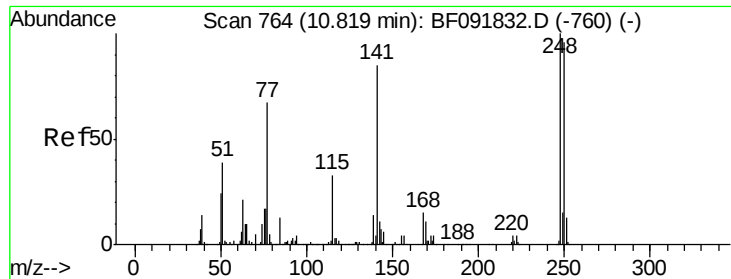
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 10.25 10.30

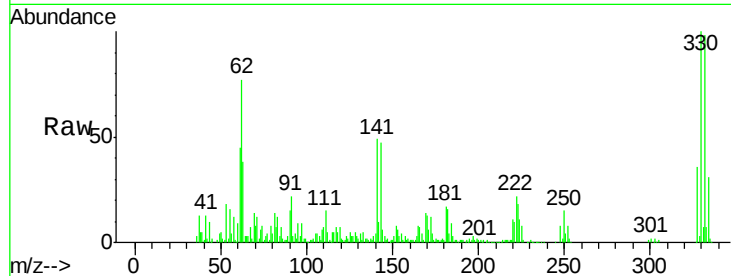




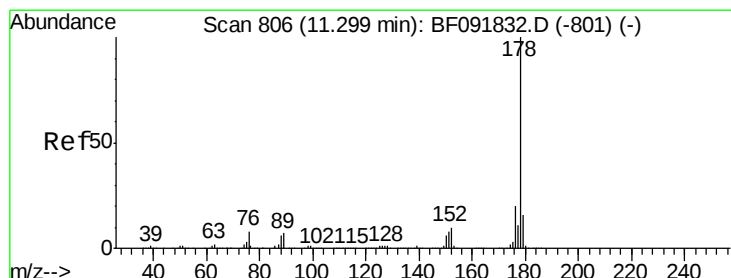
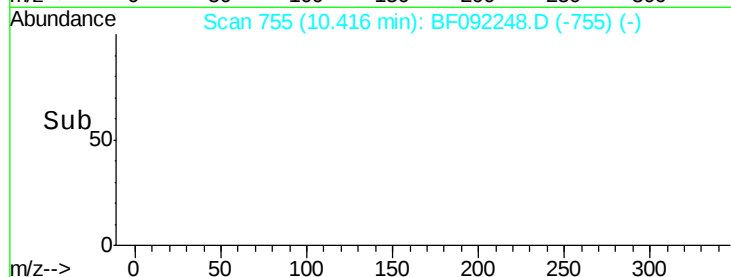
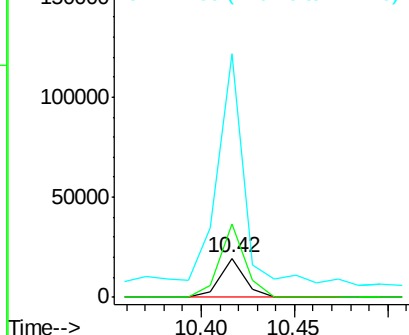
#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.42 min Scan# 755
Delta R.T. -0.29 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tgt Ion: 248 Resp: 18254
Ion Ratio Lower Upper
248 100
250 187.9 76.9 115.3#
141 622.5 68.2 102.4#

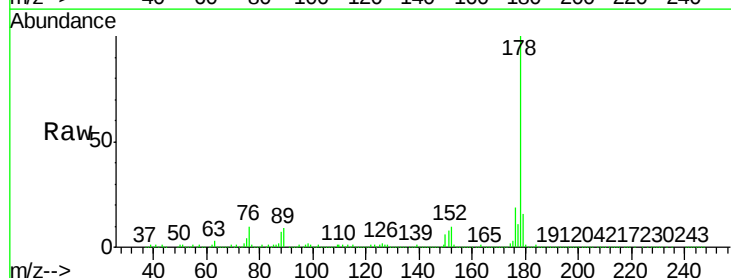


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

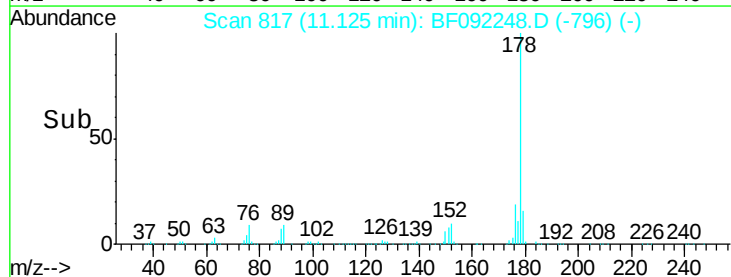
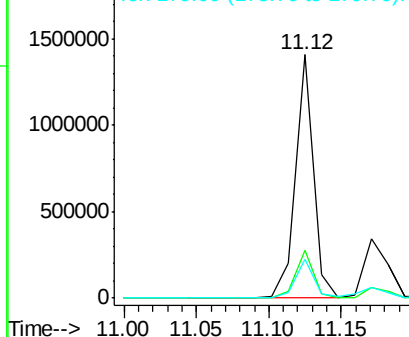


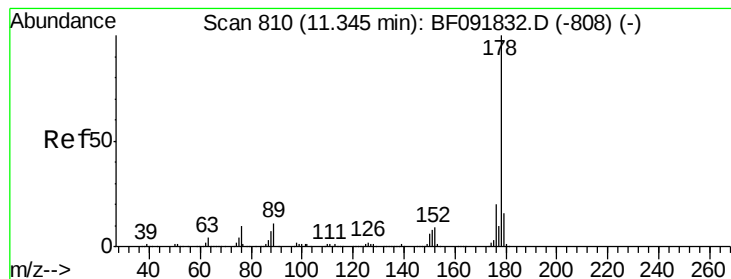
#70
Phenanthrene
Concen: 42.74 ng
RT: 11.12 min Scan# 817
Delta R.T. -0.05 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Tgt Ion: 178 Resp: 1198894
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 16.1 12.8 19.2



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





#71

Anthracene

Concen: 11.55 ng

RT: 11.17 min Scan# 821

Delta R.T. -0.07 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

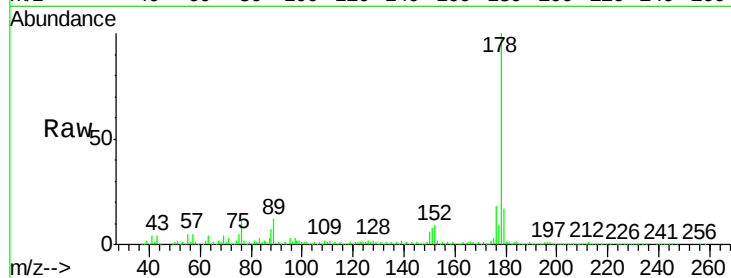
Tgt Ion:178 Resp: 370488

Ion Ratio Lower Upper

178 100

176 17.6 15.9 23.9

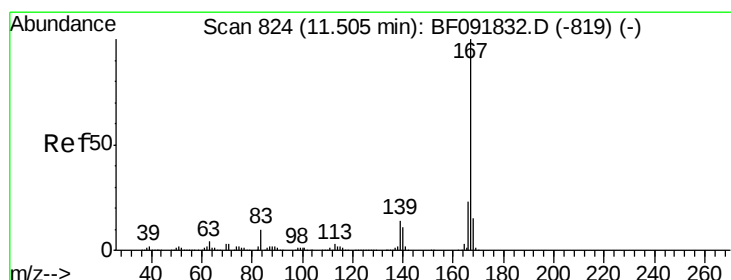
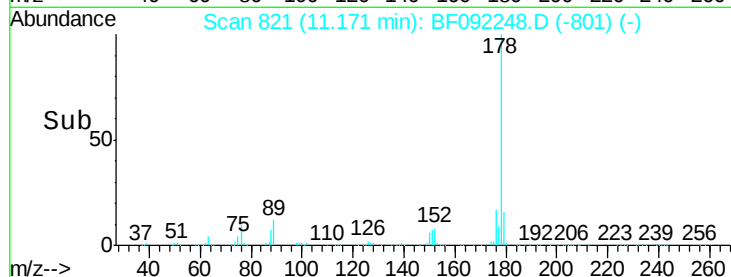
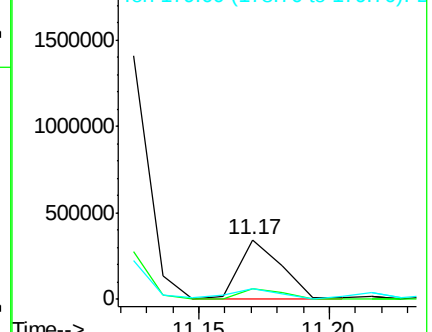
179 16.9 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 15.57 ng

RT: 11.34 min Scan# 836

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

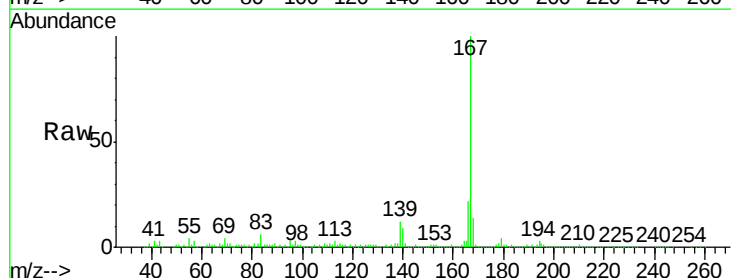
Tgt Ion:167 Resp: 463202

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.2

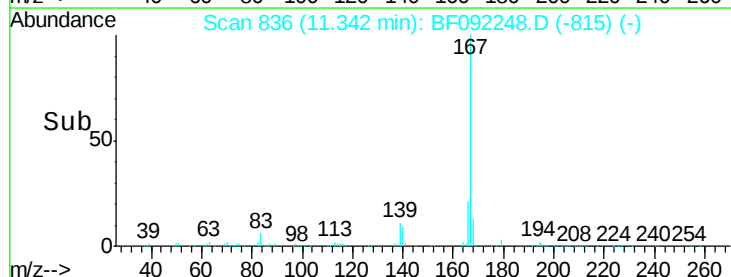
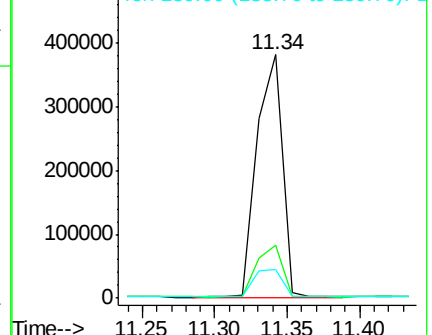
139 11.7 11.4 17.2

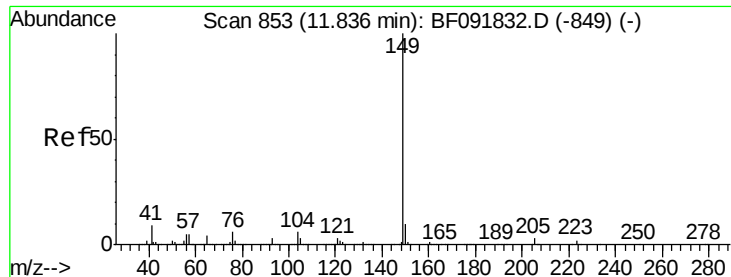


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.67 min Scan# 865

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

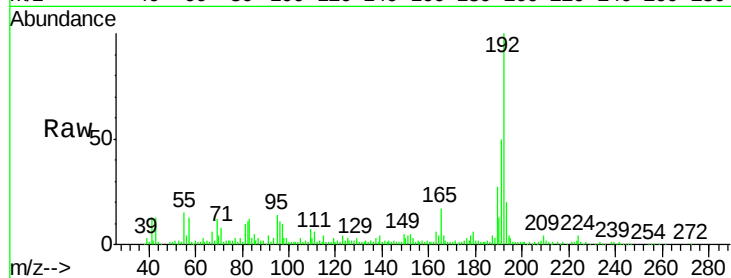
Tgt Ion:149 Resp: 3558

Ion Ratio Lower Upper

149 100

150 67.2 8.1 12.1#

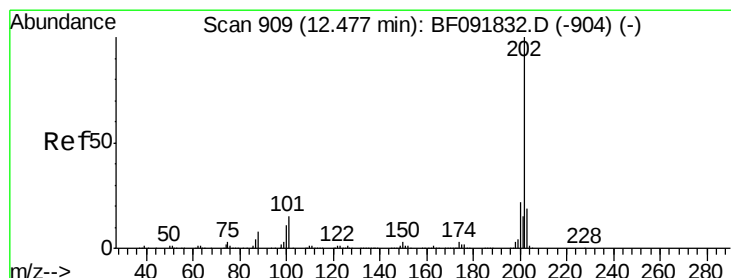
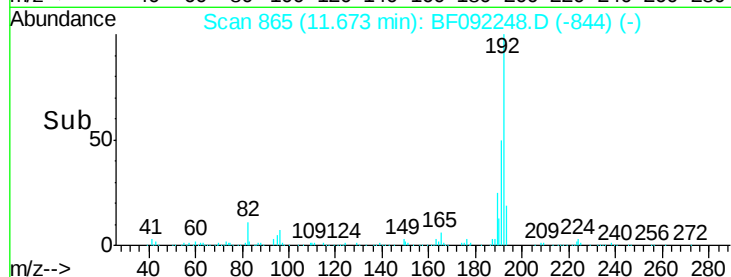
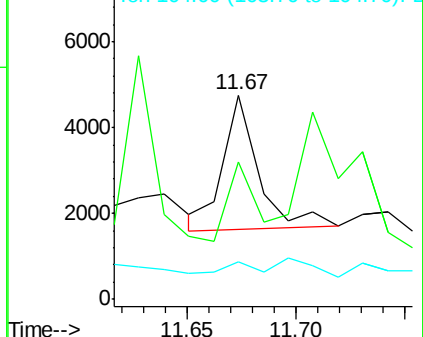
104 18.7 4.6 7.0#



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: 58.70 ng

RT: 12.31 min Scan# 921

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

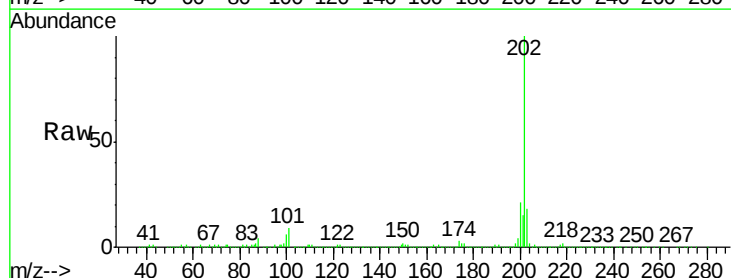
Tgt Ion:202 Resp: 1416104

Ion Ratio Lower Upper

202 100

101 8.5 0.0 34.6

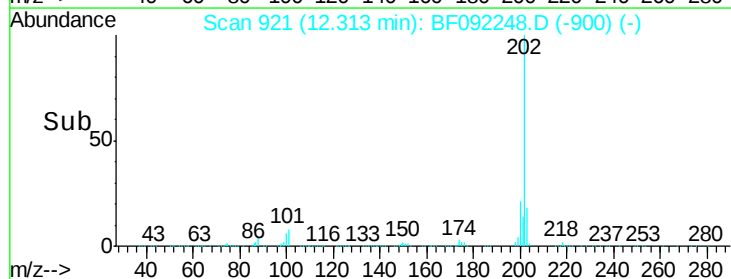
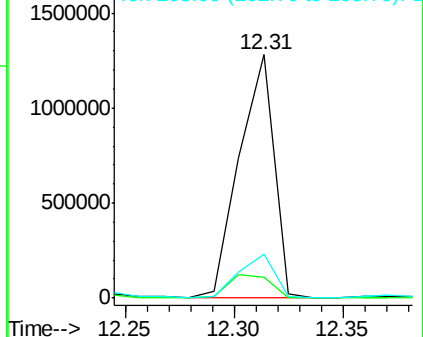
203 18.0 0.0 38.7

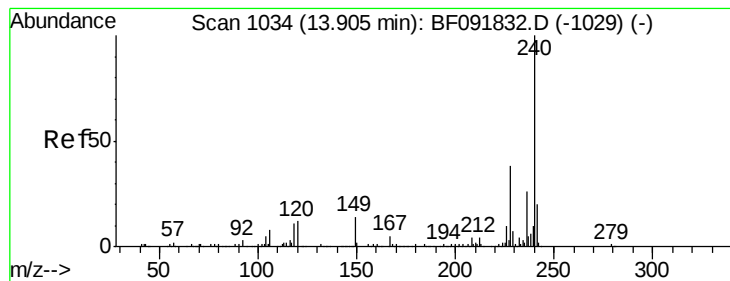


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.73 min Scan# 1045

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

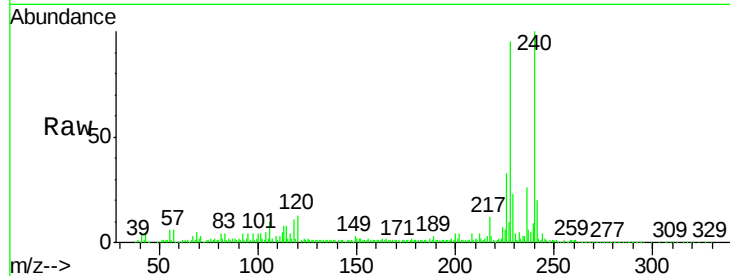
Tgt Ion:240 Resp: 311955

Ion Ratio Lower Upper

240 100

120 12.6 12.9 19.3#

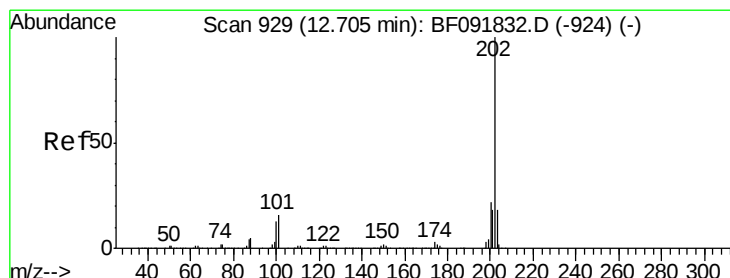
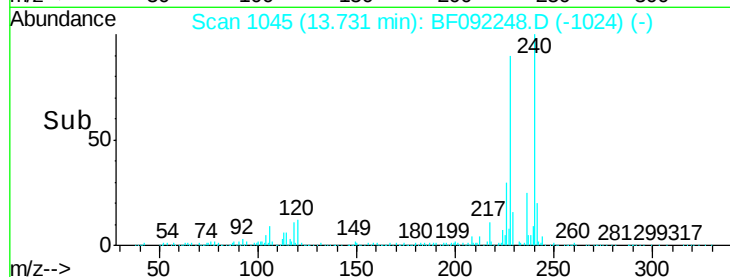
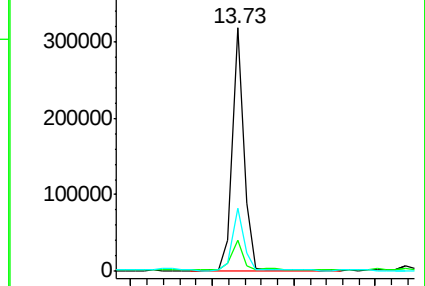
236 26.0 20.9 31.3



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: 65.17 ng

RT: 12.54 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

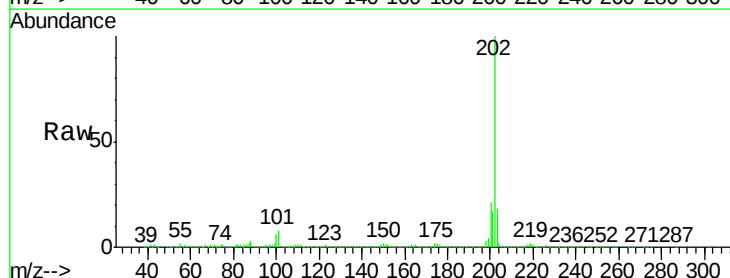
Tgt Ion:202 Resp: 1491538

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

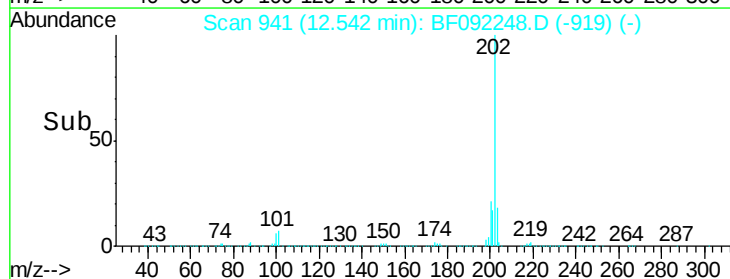
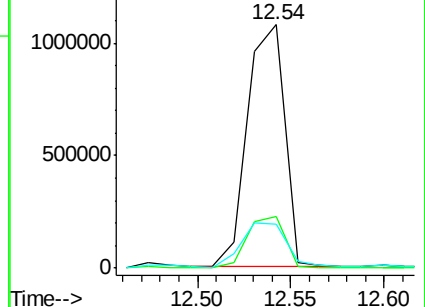
203 17.9 14.7 22.1

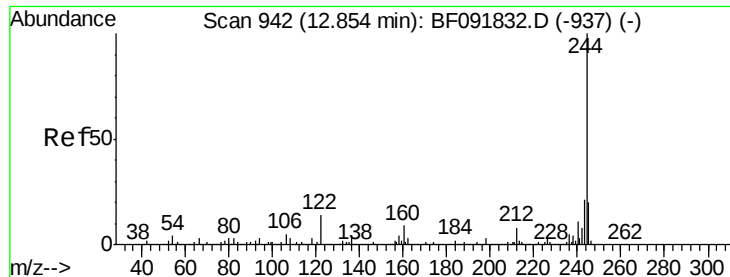


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.13 ng

RT: 12.69 min Scan# 954

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

Tgt Ion:244 Resp: 1005023

Ion Ratio Lower Upper

244 100

212 6.5

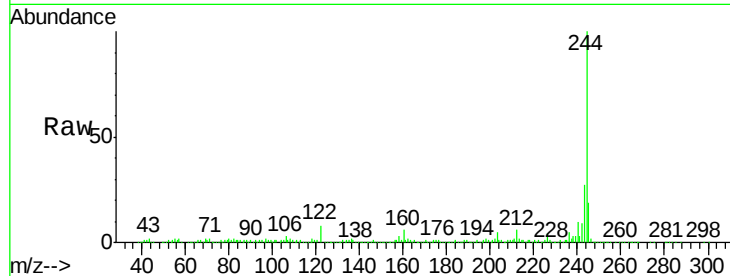
6.2

9.2

122 7.9

11.4

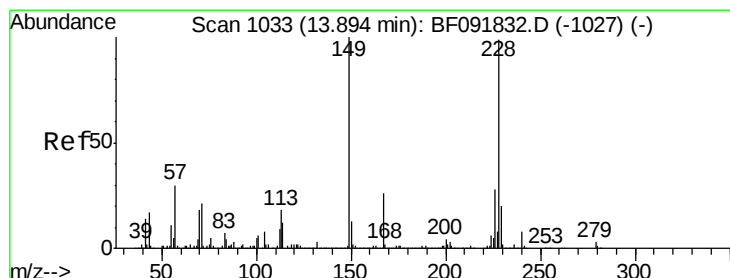
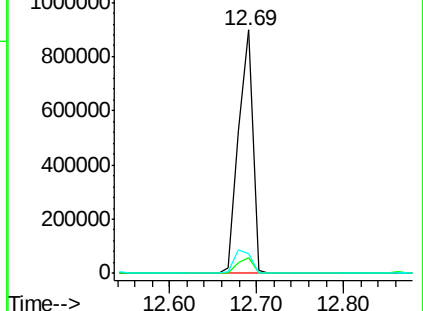
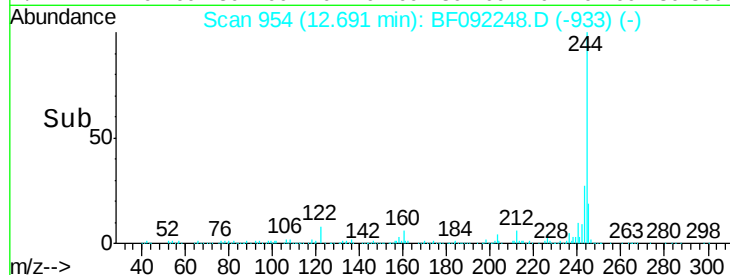
17.2#



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



#80

Benzo(a)anthracene

Concen: 47.92 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Tgt Ion:228 Resp: 843809

Ion Ratio Lower Upper

228 100

226 32.3

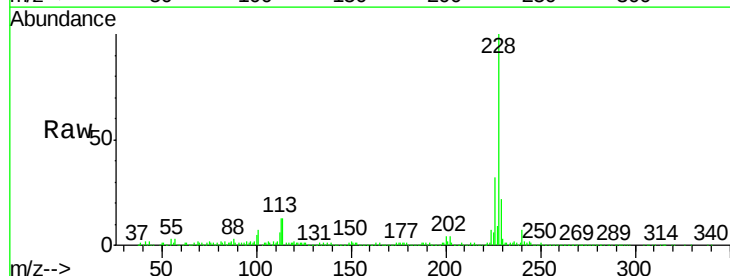
22.4

33.6

229 21.9

16.2

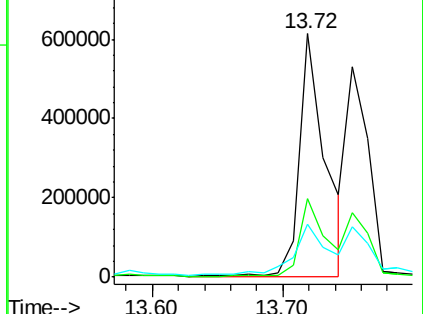
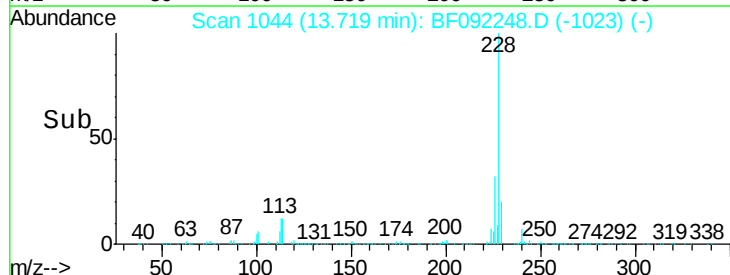
24.4

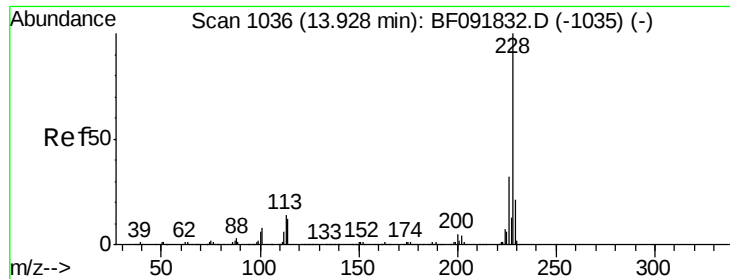


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 34.72 ng

RT: 13.75 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampleId :

P-17-11117

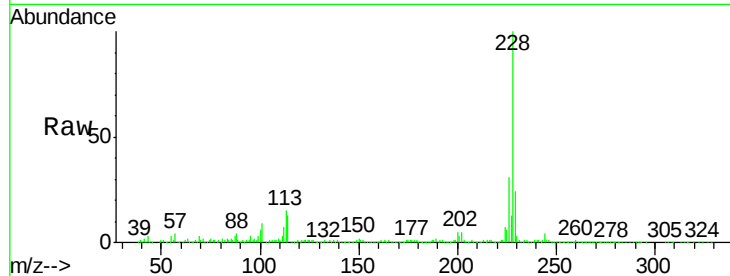
Tgt Ion:228 Resp: 613267

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

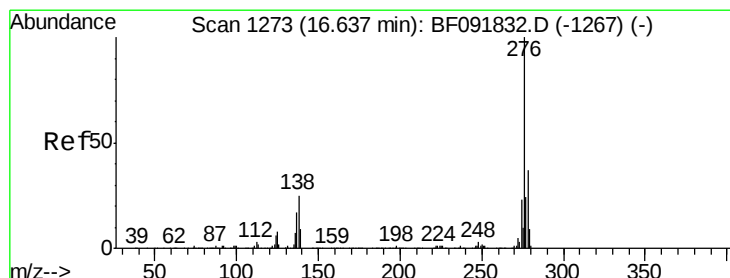
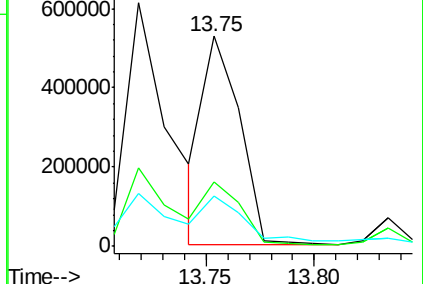
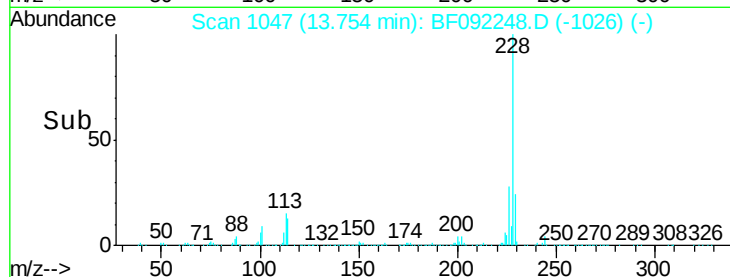
229 24.1 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 23.29 ng

RT: 16.34 min Scan# 1273

Delta R.T. -0.09 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

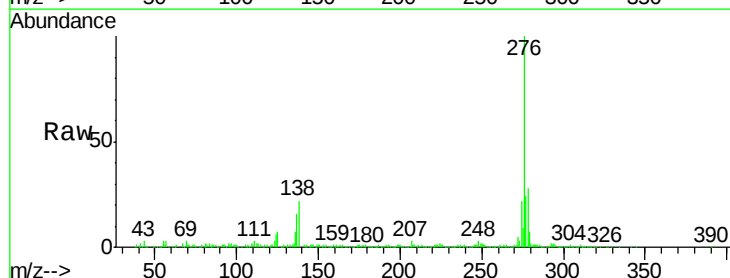
Tgt Ion:276 Resp: 356450

Ion Ratio Lower Upper

276 100

138 23.0 21.8 32.6

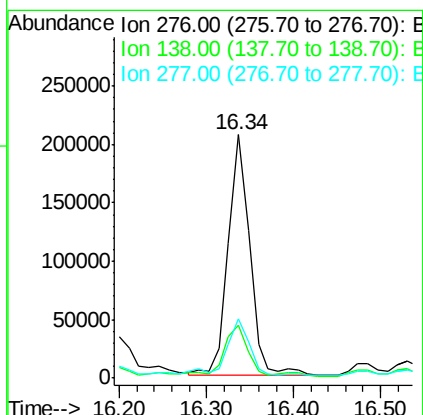
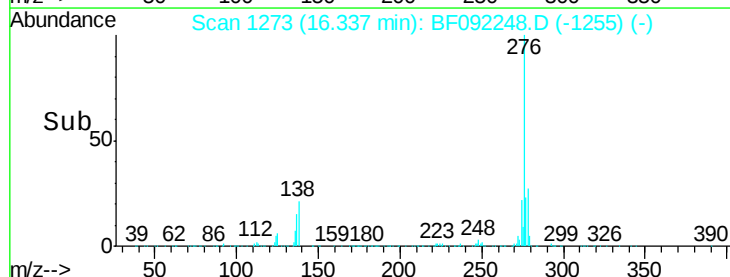
277 26.0 20.2 30.4

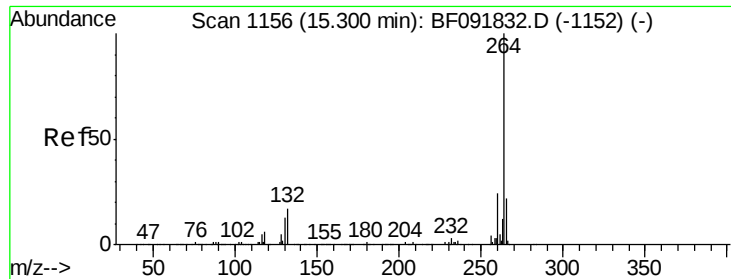


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

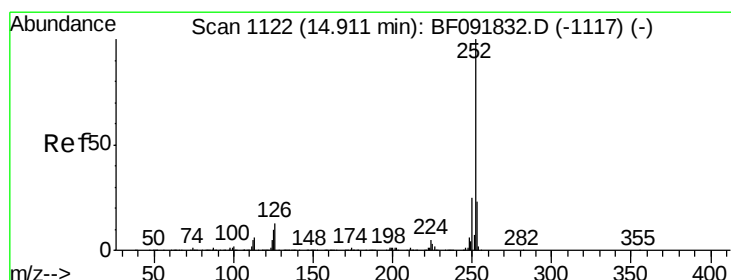
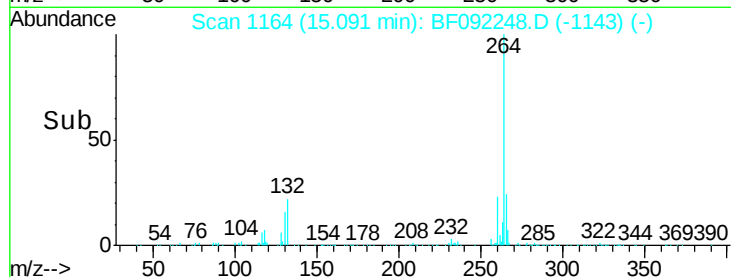
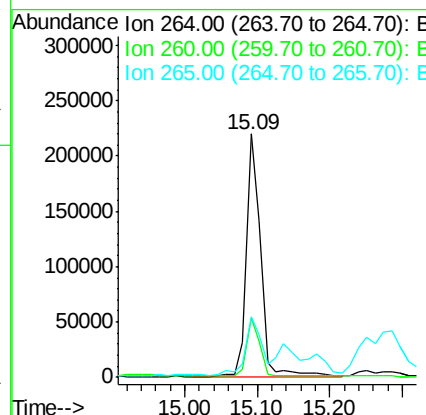
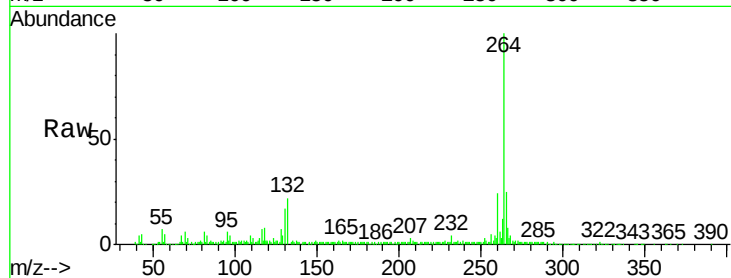




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1164
Delta R.T. -0.05 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

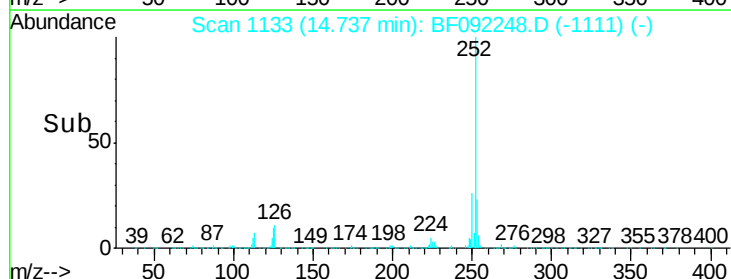
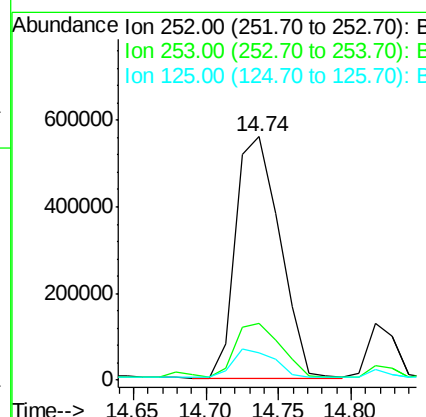
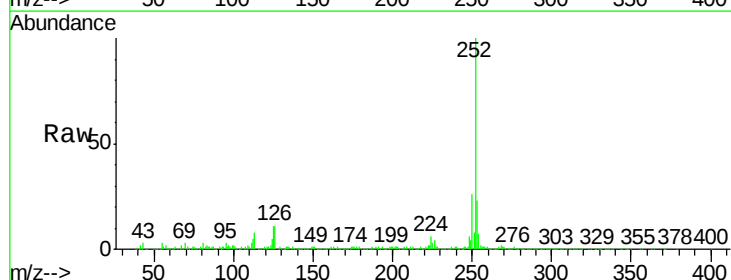
Instrument :
BNA_F
ClientSampleId :
P-17-11117

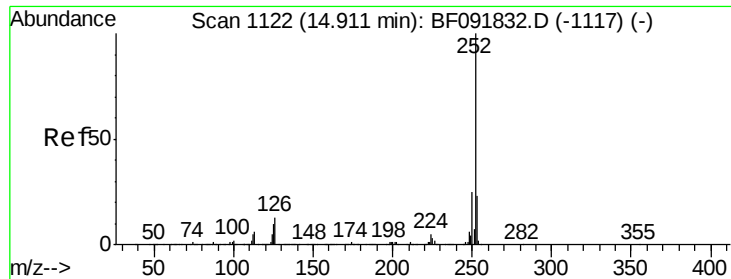
Tgt Ion: 264 Resp: 298046
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 24.9 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 63.30 ng
RT: 14.74 min Scan# 1133
Delta R.T. -0.04 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Tgt Ion: 252 Resp: 1174512
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 11.4 9.8 14.6

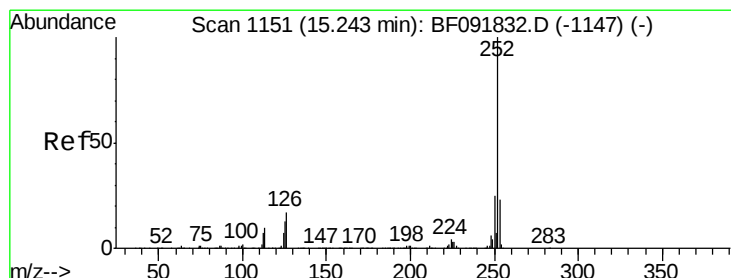
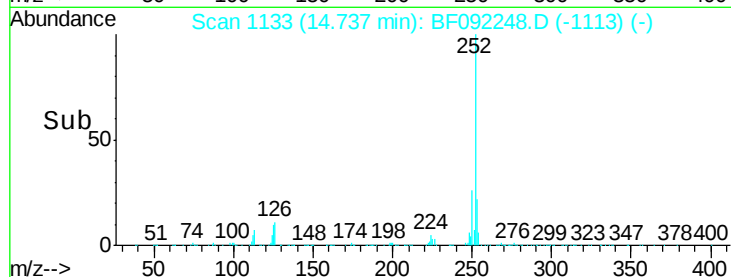
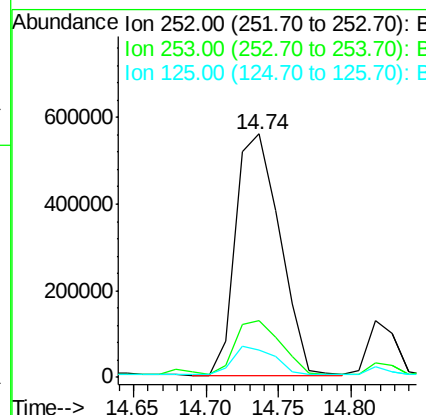
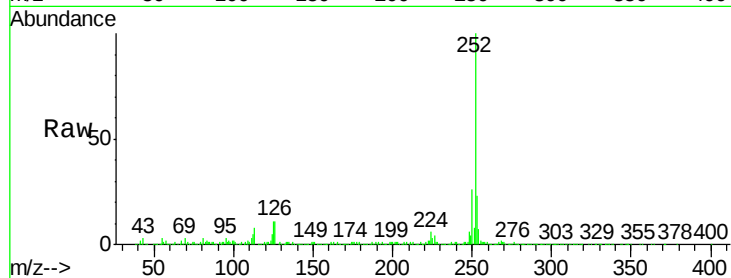




#88
Benzo(k)fluoranthene
Concen: 74.13 ng
RT: 14.74 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

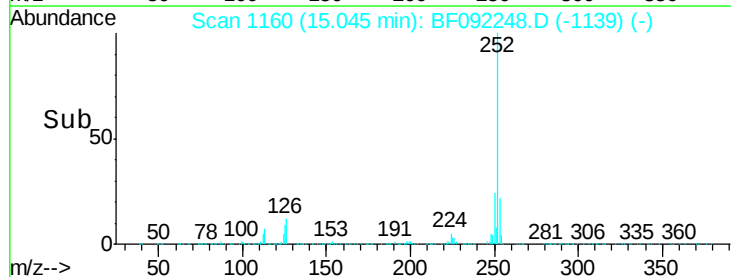
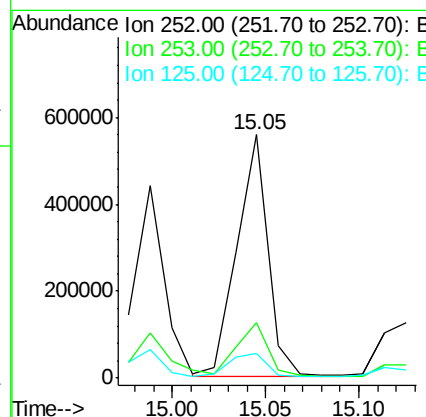
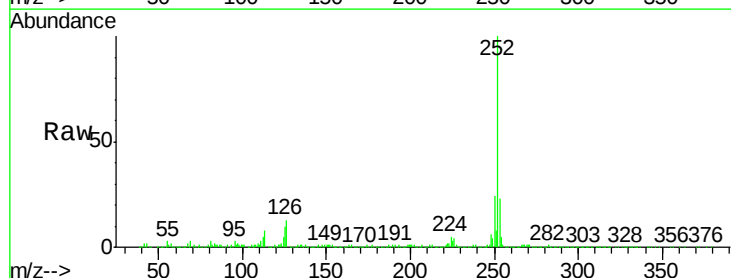
Instrument :
BNA_F
ClientSampleId :
P-17-11117

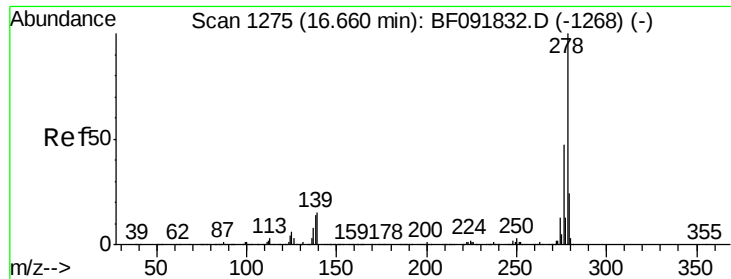
Tgt Ion:252 Resp: 1172953
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 11.4 8.9 13.3



#89
Benzo(a)pyrene
Concen: 39.30 ng
RT: 15.05 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF092248.D
Acq: 13 Jan 2017 14:43

Tgt Ion:252 Resp: 647329
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 10.4 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 6.36 ng

RT: 16.49 min Scan# 1286

Delta R.T. 0.05 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

Instrument :

BNA_F

ClientSampled :

P-17-11117

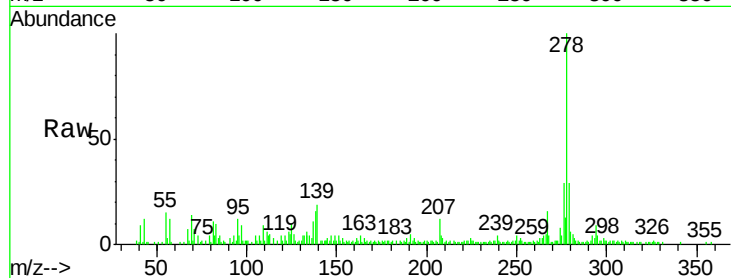
Tgt Ion:278 Resp: 86074

Ion Ratio Lower Upper

278 100

139 18.6 14.8 22.2

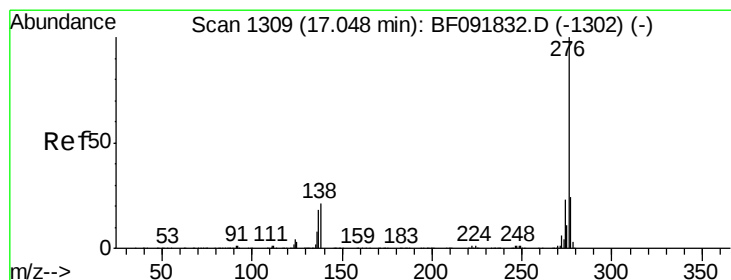
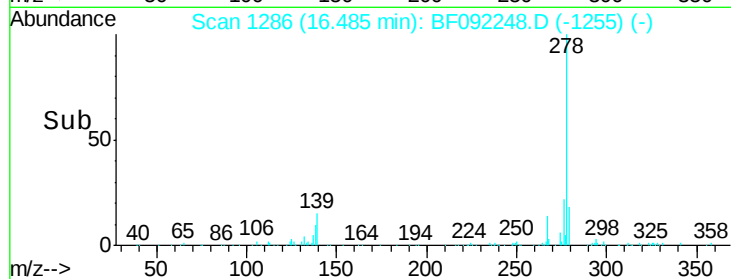
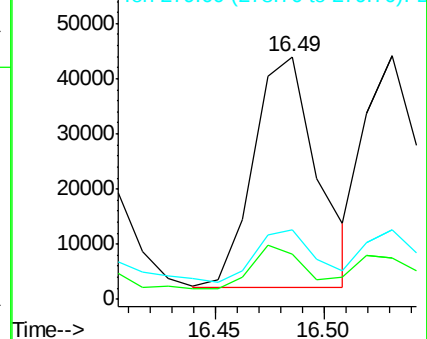
279 28.8 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 23.99 ng

RT: 16.71 min Scan# 1306

Delta R.T. -0.09 min

Lab File: BF092248.D

Acq: 13 Jan 2017 14:43

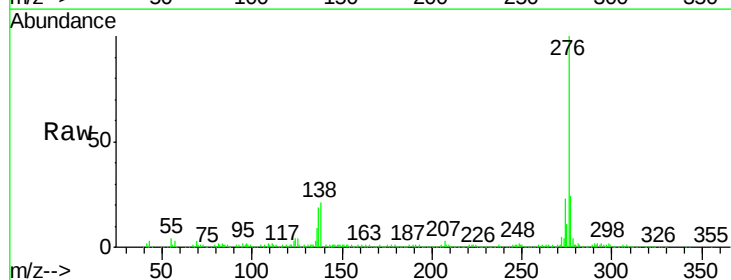
Tgt Ion:276 Resp: 337749

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 20.8 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

