

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
 Data File : BF091914.D
 Acq On : 23 Dec 2016 9:09
 Operator : UM/SJ
 Sample : H6182-08DL 2X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916DL

Quant Time: Dec 23 16:29:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	181912	20.00	ng	0.01
21) Naphthalene-d8	8.05	136	615615	20.00	ng	0.01
38) Acenaphthene-d10	9.80	164	281811	20.00	ng	0.01
63) Phenanthrene-d10	11.26	188	482928	20.00	ng	0.00
75) Chrysene-d12	13.89	240	370807	20.00	ng	-0.01
86) Perylene-d12	15.30	264	306117	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	882782	81.03	ng	0.05
7) Phenol-d6	6.44	99	1132462	85.14	ng	0.03
23) Nitrobenzene-d5	7.32	82	715036	64.59	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	145815	62.52	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	813258	54.50	ng	0.01
78) Terphenyl-d14	12.85	244	754277	49.33	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.27	77	22515	2.04	ng	# 11
10) Phenol	6.45	94	54767	3.61	ng	# 83
15) Benzyl Alcohol	6.91	79	51065	4.94	ng	# 46
18) Hexachloroethane	7.33	117	715145	143.25	ng	# 12
19) n-Nitroso-di-n-propylamine	7.18	70	140156	15.84	ng	# 69
22) Acetophenone	7.10	105	270533	17.82	ng	# 63
24) Nitrobenzene	7.31	77	244724	20.75	ng	# 40
25) Isophorone	7.57	82	389573	19.07	ng	# 1
26) 2-Nitrophenol	7.62	139	12444	2.14	ng	# 1
27) 2,4-Dimethylphenol	7.70	122	52693	5.46	ng	# 1
28) bis(2-Chloroethoxy)methane	7.80	93	30540	2.47	ng	# 1
29) 2,4-Dichlorophenol	7.90	162	35365	4.33	ng	# 1
30) 1,2,4-Trichlorobenzene	7.95	180	23118	2.58	ng	# 63
31) Naphthalene	8.10	128	162309	5.76	ng	# 1
32) Benzoic acid	7.85	122	38013	5.31	ng	# 16
33) 4-Chloroaniline	8.10	127	75272	5.92	ng	# 1
35) Caprolactam	8.50	113	375718	140.00	ng	# 1
36) 4-Chloro-3-methylphenol	8.59	107	52521	5.59	ng	# 30
37) 2-Methylnaphthalene	8.77	142	1395908	Below Cal		97
42) 2,4,6-Trichlorophenol	9.05	196	29487	5.92	ng	# 9
43) 2,4,5-Trichlorophenol	9.05	196	29487	5.75	ng	# 1
49) Dimethylphthalate	9.52	163	96880	5.37	ng	# 48
50) 2,6-Dinitrotoluene	9.57	165	22918	5.81	ng	# 77
51) Acenaphthene	9.84	154	45874	2.88	ng	# 15
52) 3-Nitroaniline	9.76	138	17907	3.67	ng	# 36
53) 2,4-Dinitrophenol	10.09	184	17747	8.08	ng	90
54) Dibenzofuran	10.01	168	86049	4.00	ng	# 13
55) 4-Nitrophenol	9.90	139	40333	12.17	ng	# 16
56) 2,4-Dinitrotoluene	10.01	165	28272	5.71	ng	# 65
57) Fluorene	10.34	166	82961	5.30	ng	# 73
58) 2,3,4,6-Tetrachlorophenol	10.11	232	8706	2.15	ng	# 1
65) n-Nitrosodiphenylamine	10.45	169	123572	8.62	ng	# 44
70) Phenanthrene	11.29	178	66363	2.53	ng	# 91
71) Anthracene	11.38	178	10697	Below Cal		# 1

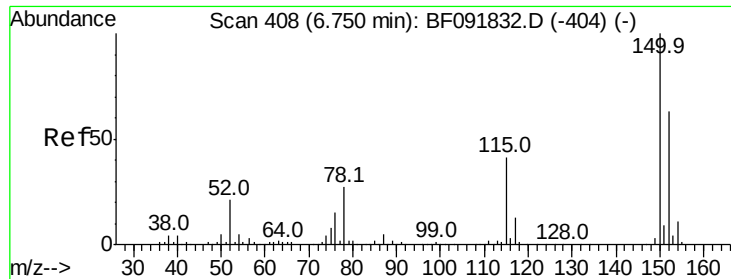
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091914.D
Acq On : 23 Dec 2016 9:09
Operator : UM/SJ
Sample : H6182-08DL 2X
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Quant Time: Dec 23 16:29:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Di-n-butylphthalate	11.84	149	3949	Below Cal	#	46
74) Fluoranthene	12.48	202	10308	Below Cal		93
76) Benzidine	12.57	184	442	Below Cal	#	1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

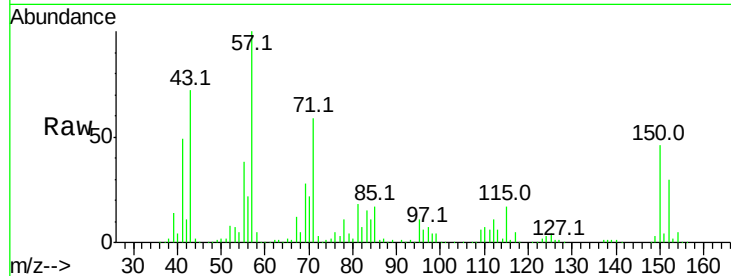
Tot Ion:152 Resp: 181912

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

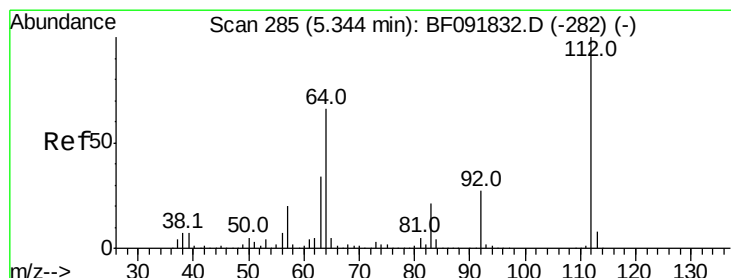
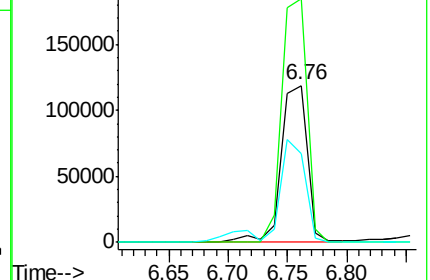
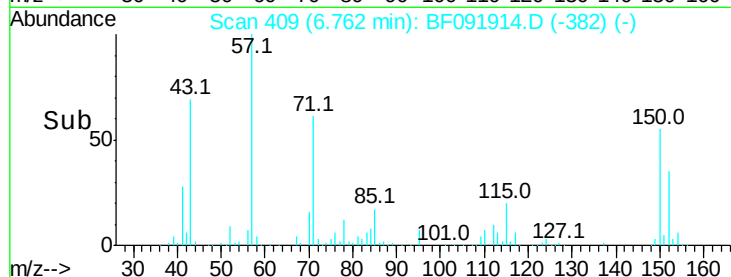
115 56.5 46.0 69.0



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: 81.03 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

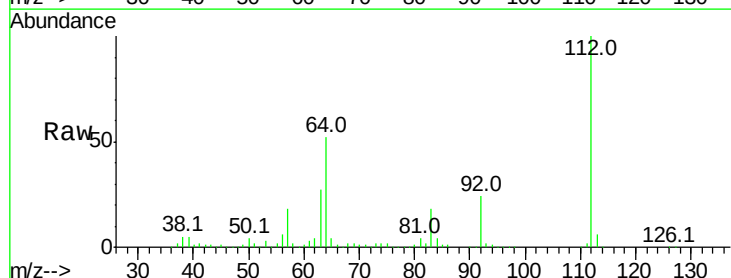
Tgt Ion:112 Resp: 882782

Ion Ratio Lower Upper

112 100

64 52.4 46.1 69.1

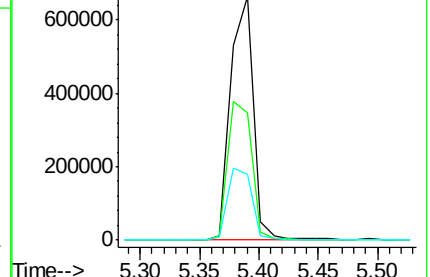
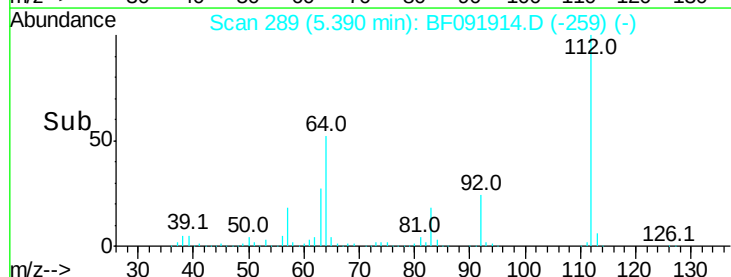
63 27.2 23.8 35.6

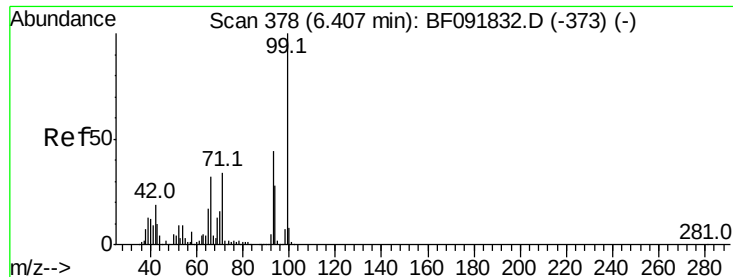


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.14 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

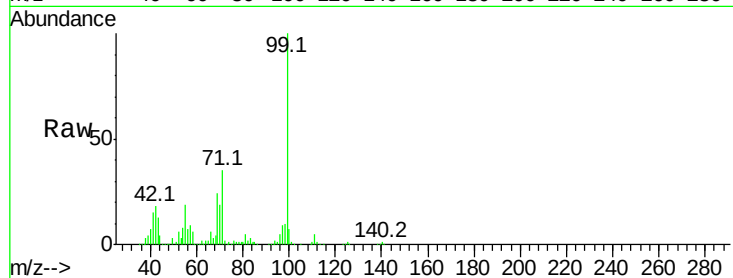
Tot Ion: 99 Resp: 1132462

Ion Ratio Lower Upper

99 100

42 18.0 15.6 23.4

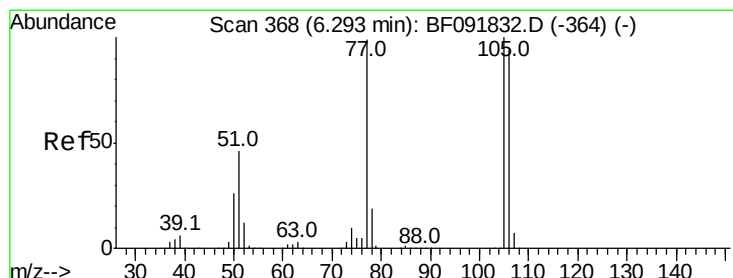
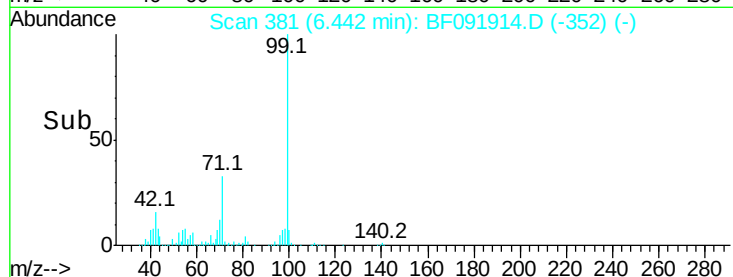
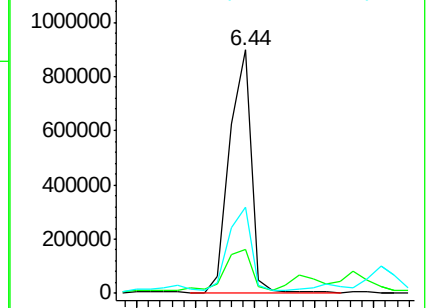
71 35.2 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.04 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

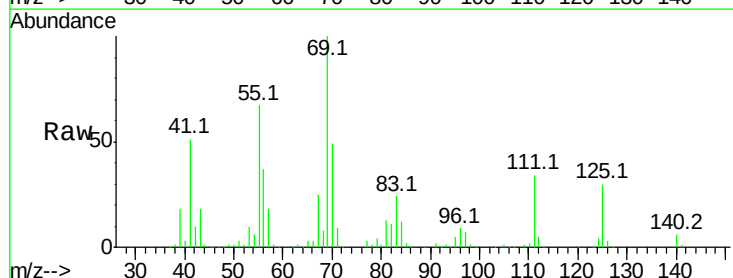
Tgt Ion: 77 Resp: 22515

Ion Ratio Lower Upper

77 100

105 19.7 83.9 123.9#

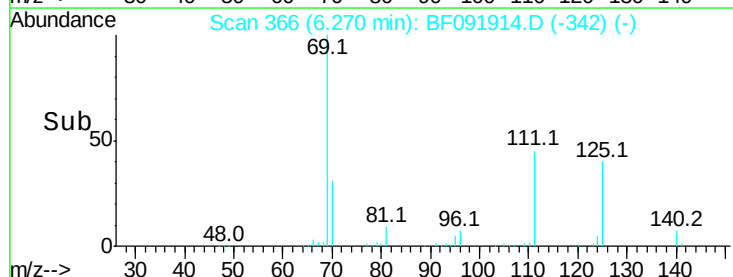
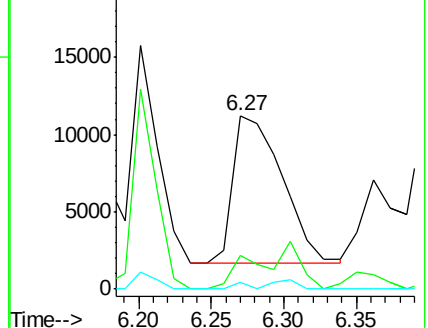
106 3.6 77.6 117.6#

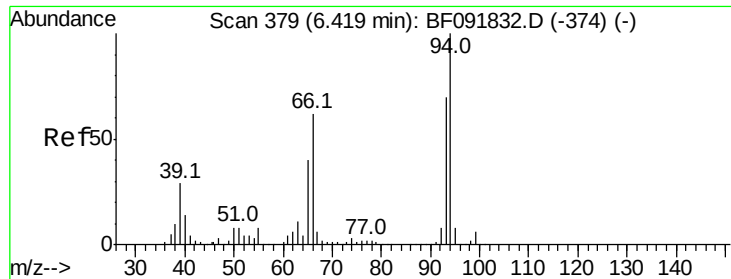


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.61 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.03 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

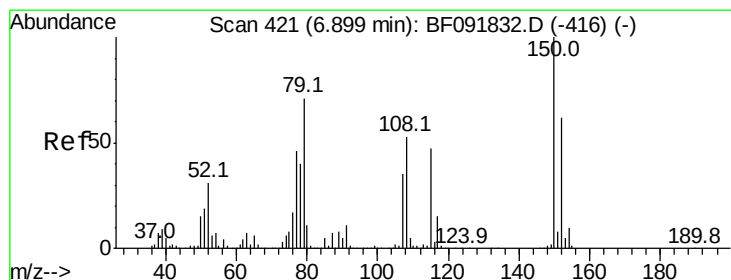
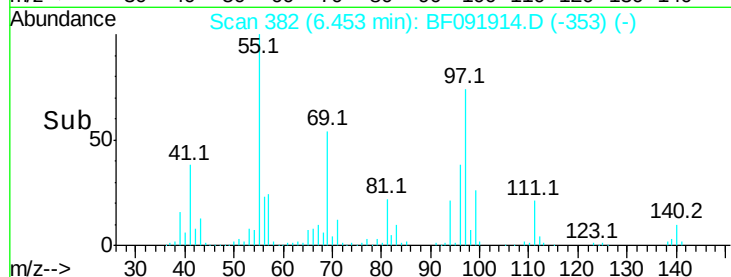
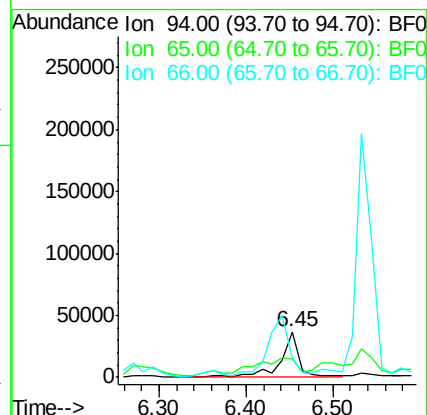
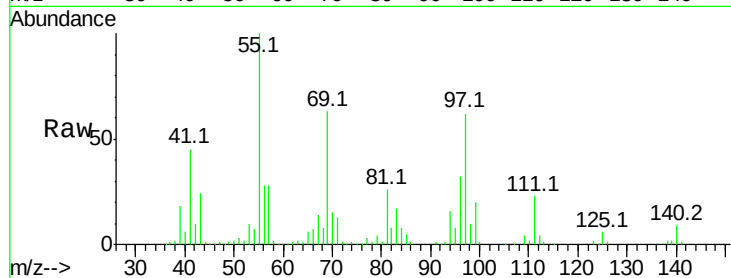
Tot Ion: 94 Resp: 54767

Ion Ratio Lower Upper

94 100

65 39.6 21.4 61.4

66 43.1 44.0 84.0#



#15

Benzyl Alcohol

Concen: 4.94 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

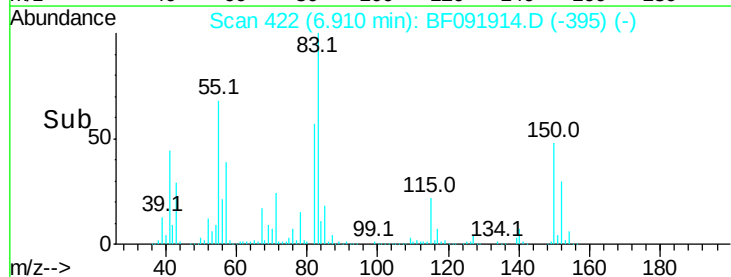
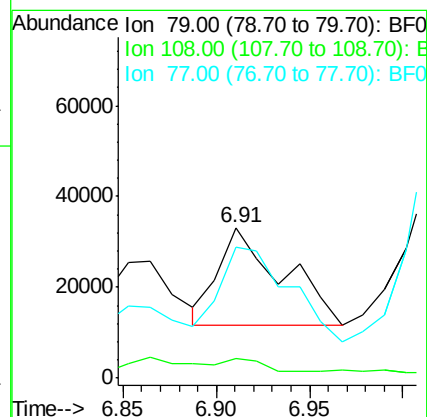
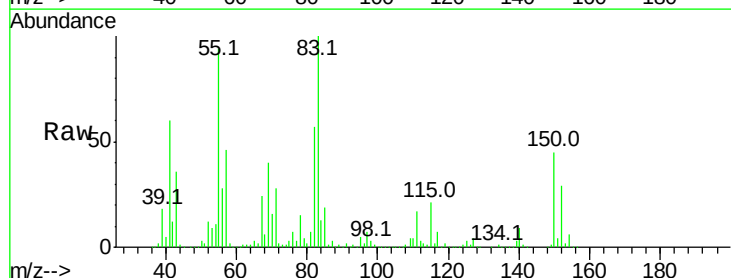
Tgt Ion: 79 Resp: 51065

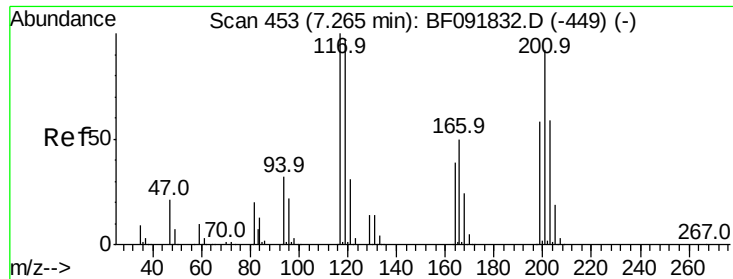
Ion Ratio Lower Upper

79 100

108 12.6 61.4 92.0#

77 87.1 50.9 76.3#





#18

Hexachloroethane

Concen: 143.25 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.07 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

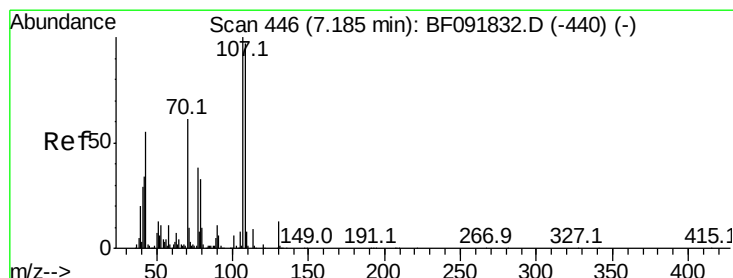
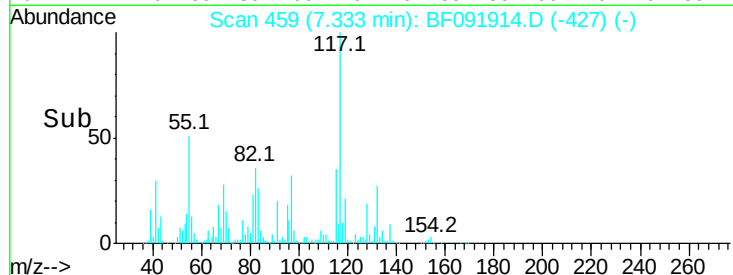
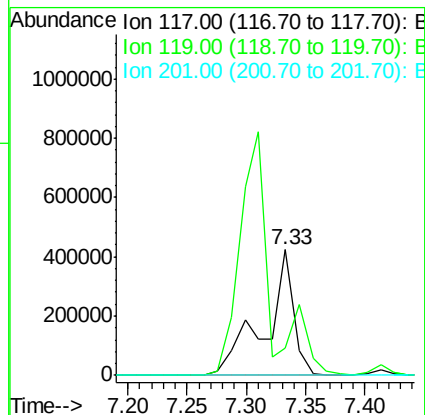
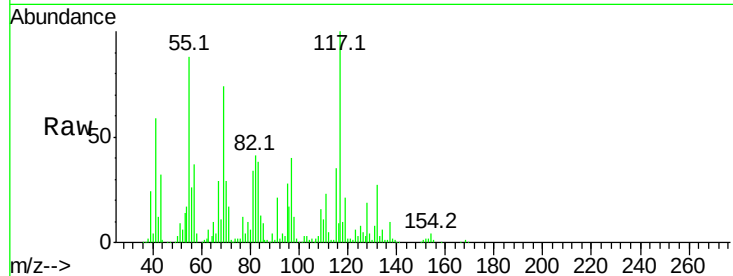
Tot Ion:117 Resp: 715145

Ion Ratio Lower Upper

117 100

119 21.2 78.1 117.1#

201 0.0 78.6 117.8#



#19

n-Nitroso-di-n-propylamine

Concen: 15.84 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Tgt Ion: 70 Resp: 140156

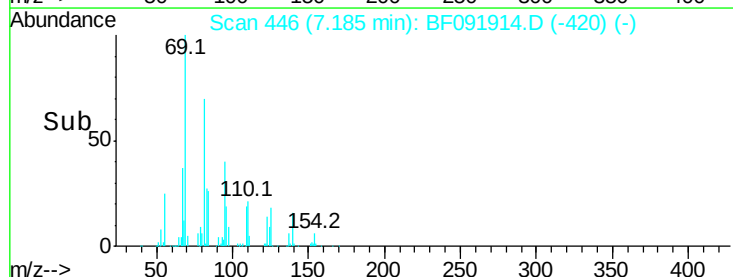
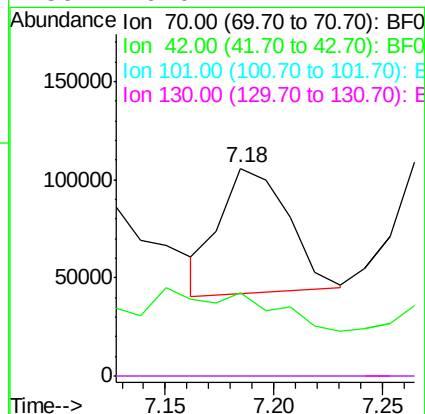
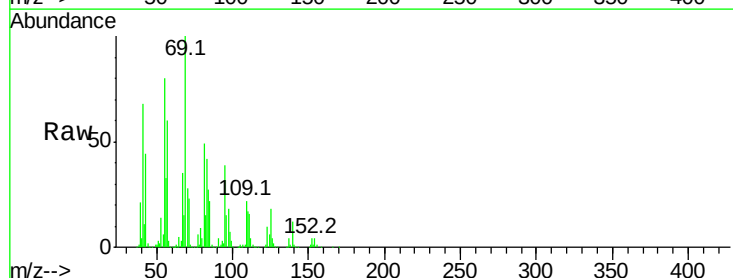
Ion Ratio Lower Upper

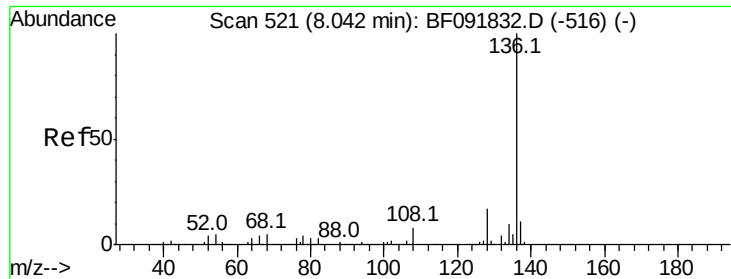
70 100

42 39.8 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: 8.05 min Scan# 522

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

Tot Ion:136 Resp: 615615

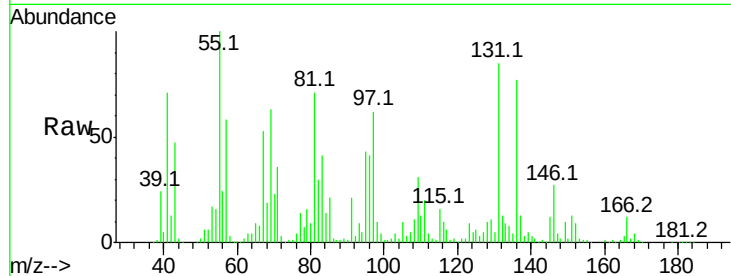
Ion Ratio Lower Upper

136 100

137 16.9 8.4 12.6#

54 21.1 4.5 6.7#

68 25.0 3.6 5.4#

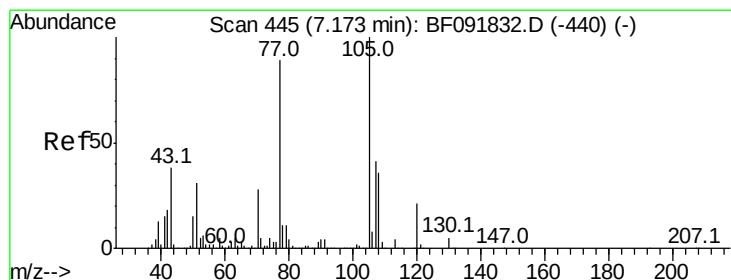
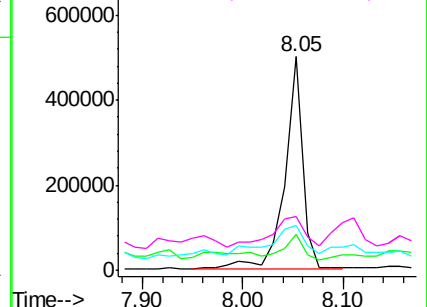
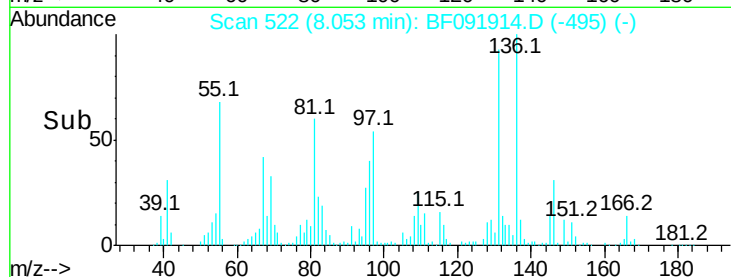


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 17.82 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.07 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Tgt Ion:105 Resp: 270533

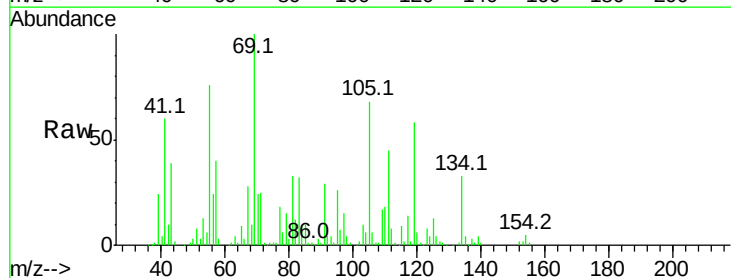
Ion Ratio Lower Upper

105 100

71 36.1 3.2 4.8#

51 12.5 26.2 39.4#

120 8.8 16.6 24.8#

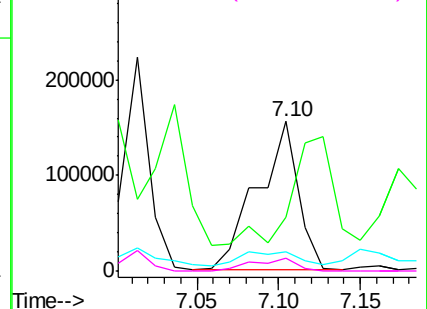
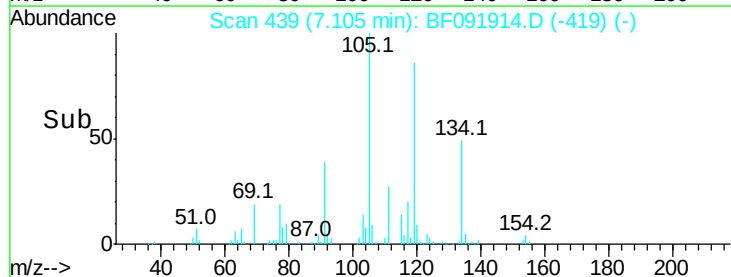


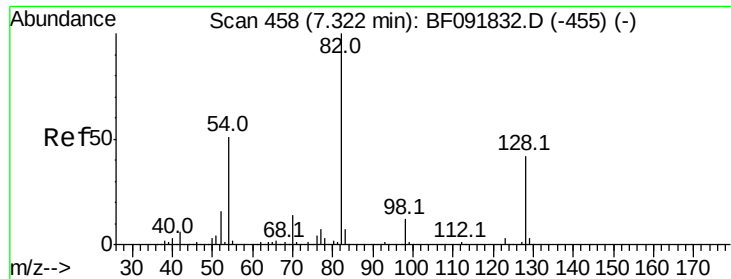
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

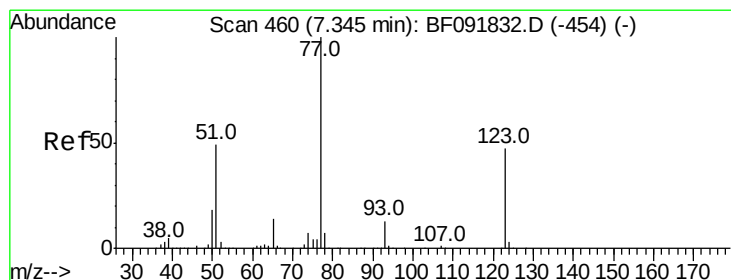
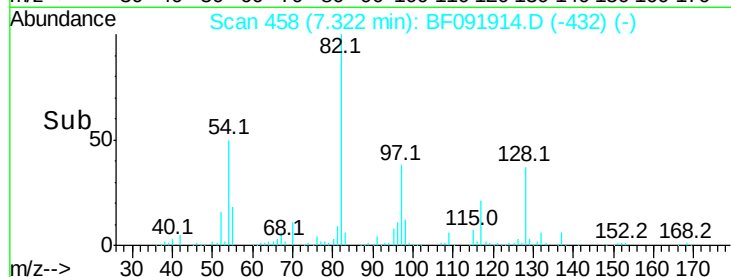
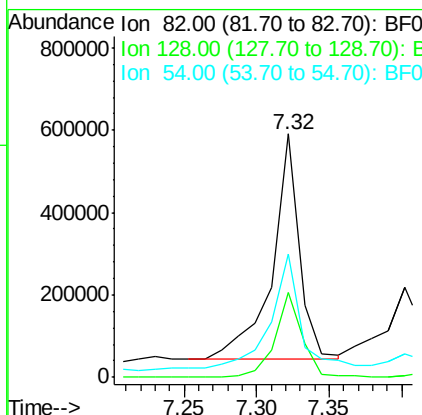
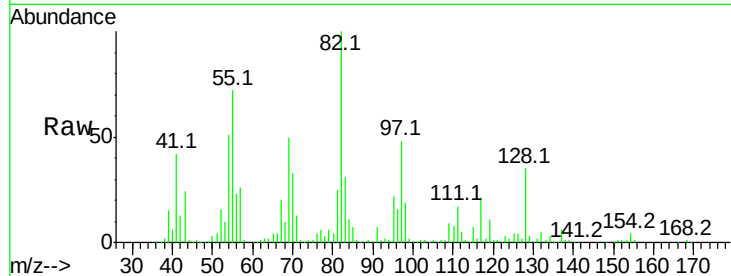




#23
Nitrobenzene-d5
Concen: 64.59 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091914.D
Acq: 23 Dec 2016 9:09

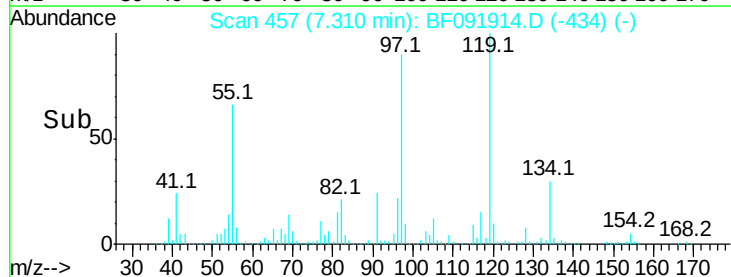
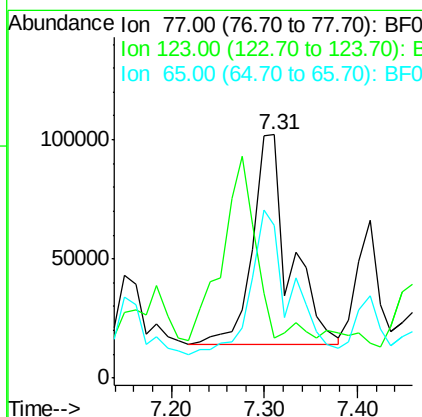
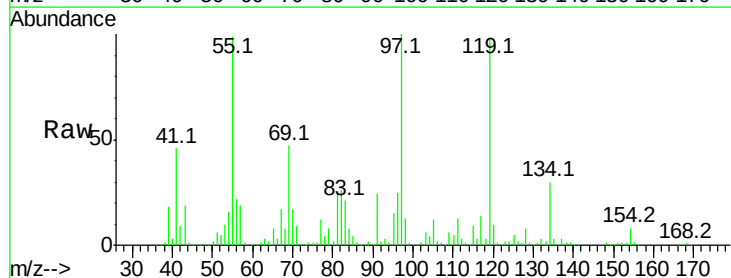
Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916DL

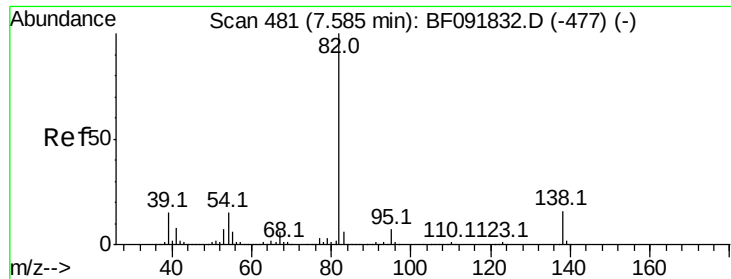
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.1	34.6	52.0
54	50.8	39.5	59.3



#24
Nitrobenzene
Concen: 20.75 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF091914.D
Acq: 23 Dec 2016 9:09

Tgt Ion	Ratio	Lower	Upper
77	100		
123	16.3	33.0	49.4#
65	62.5	11.2	16.8#





#25

Isophorone

Concen: 19.07 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

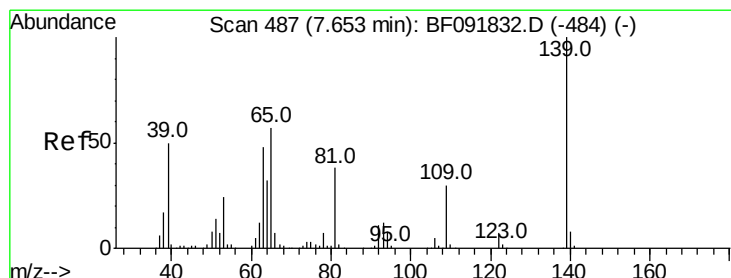
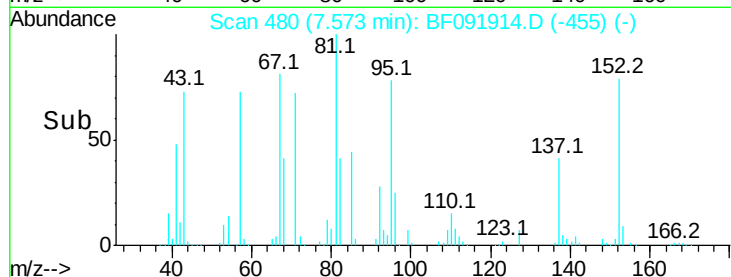
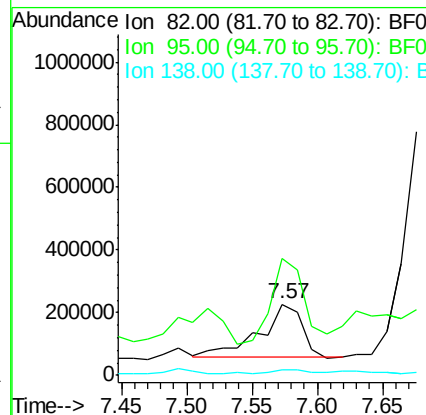
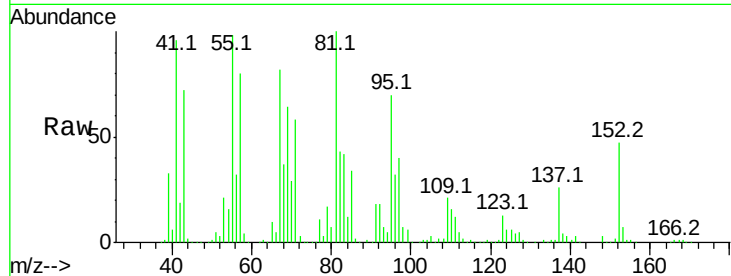
Tot Ion: 82 Resp: 389573

Ion Ratio Lower Upper

82 100

95 163.9 5.6 8.4#

138 8.2 14.6 22.0#



#26

2-Nitrophenol

Concen: 2.14 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.03 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

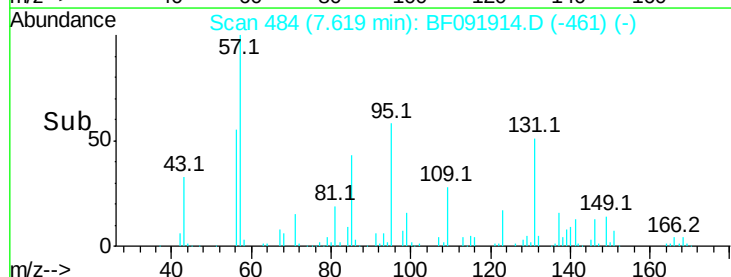
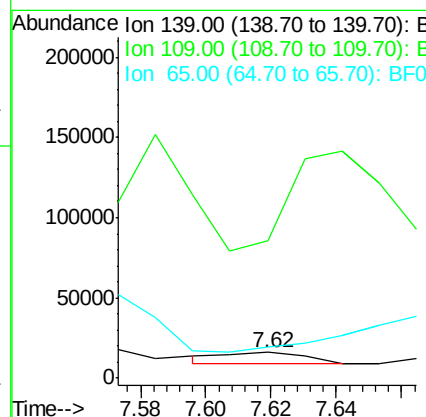
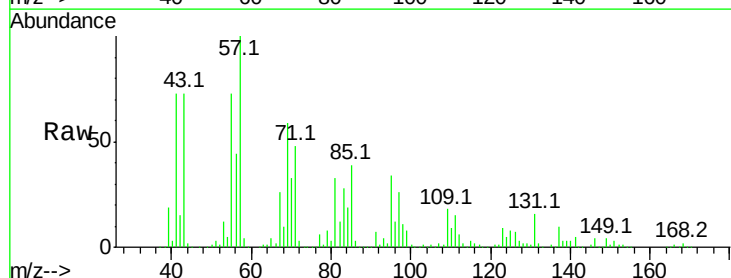
Tgt Ion: 139 Resp: 12444

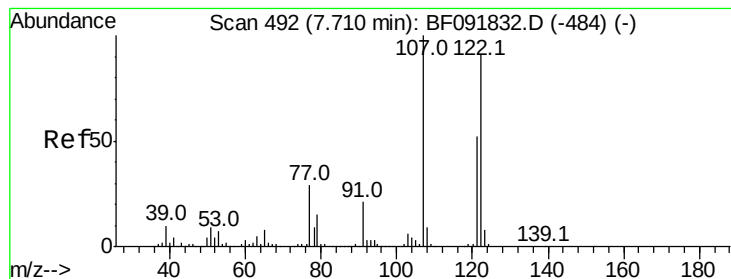
Ion Ratio Lower Upper

139 100

109 530.4 23.3 34.9#

65 118.6 42.7 64.1#





#27

2,4-Dimethylphenol

Concen: 5.46 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

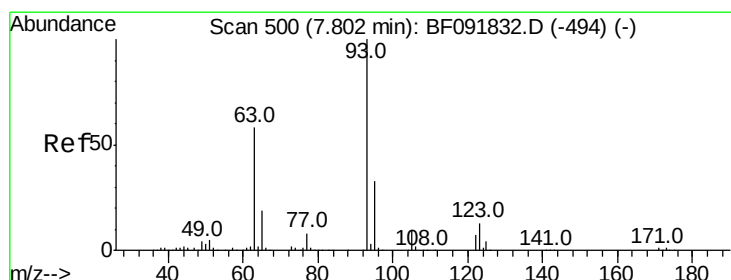
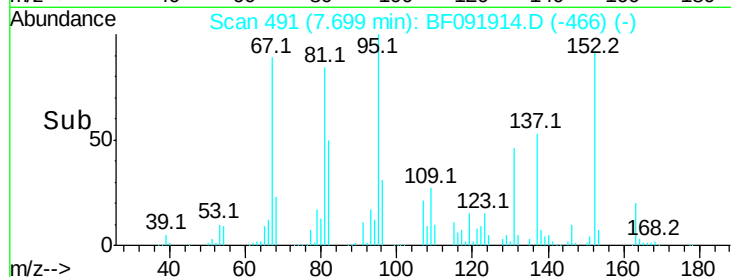
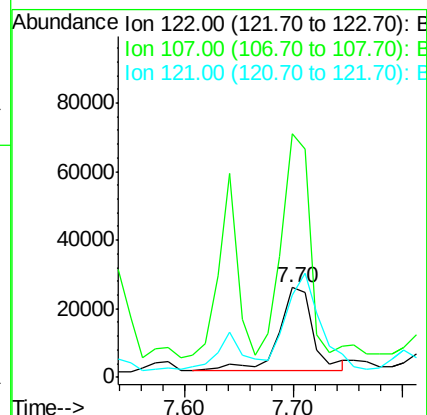
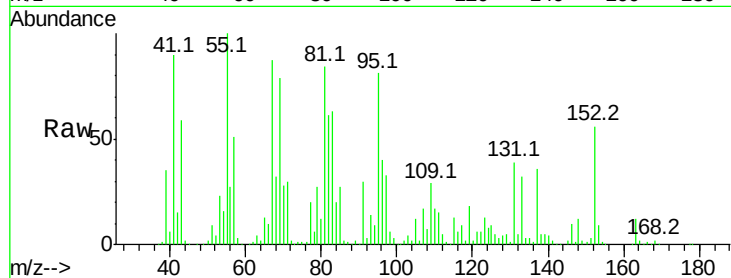
Tot Ion:122 Resp: 52693

Ion Ratio Lower Upper

122 100

107 271.1 94.1 141.1#

121 91.9 46.0 69.0#



#28

bis(2-Chloroethoxy)methane

Concen: 2.47 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

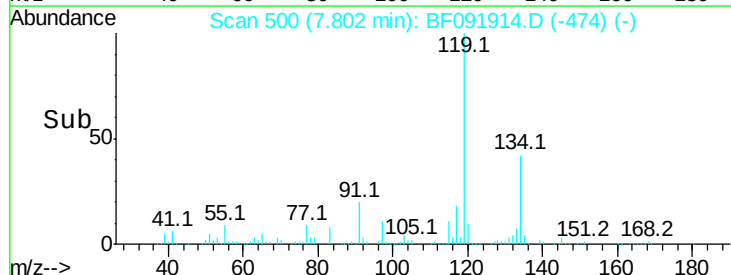
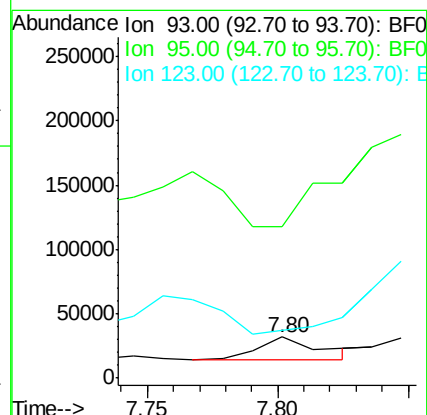
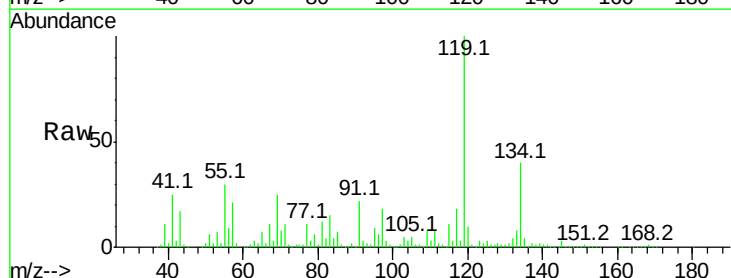
Tgt Ion: 93 Resp: 30540

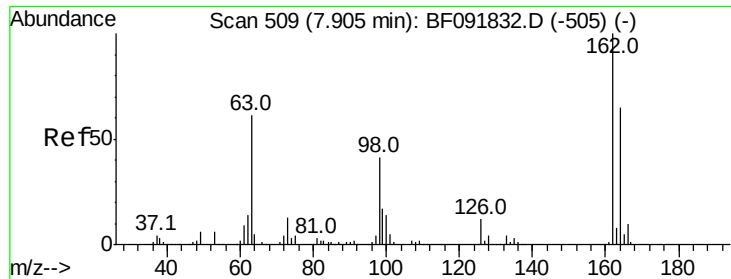
Ion Ratio Lower Upper

93 100

95 366.5 26.5 39.7#

123 117.4 8.6 13.0#





#29

2,4-Dichlorophenol

Concen: 4.33 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

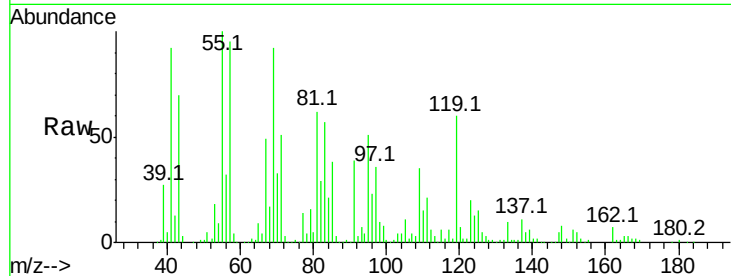
Tot Ion:162 Resp: 35365

Ion Ratio Lower Upper

162 100

164 8.5 46.8 86.8#

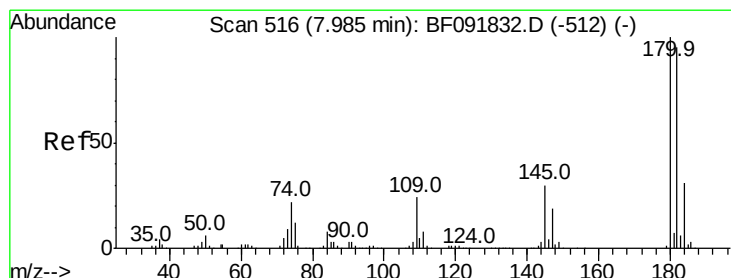
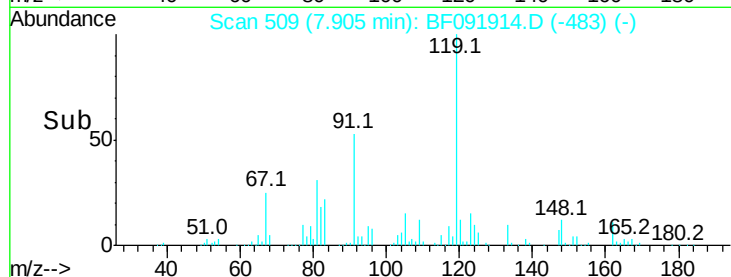
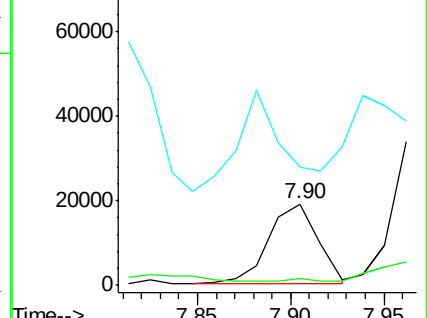
98 145.3 9.1 49.1#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 2.58 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.03 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

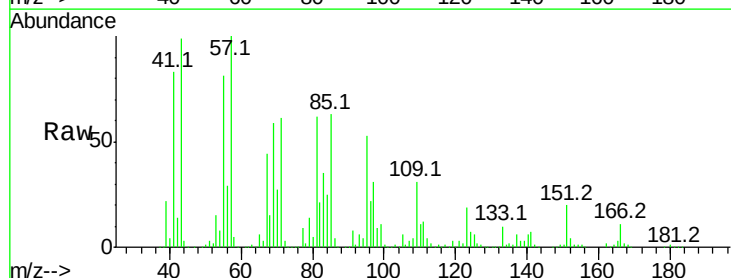
Tgt Ion:180 Resp: 23118

Ion Ratio Lower Upper

180 100

182 65.0 78.2 117.4#

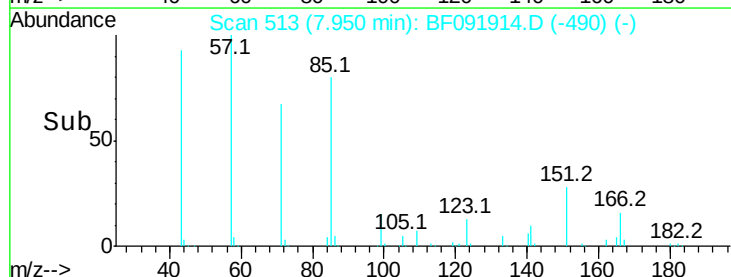
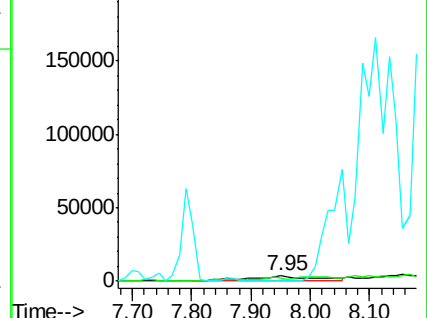
145 0.0 21.6 32.4#

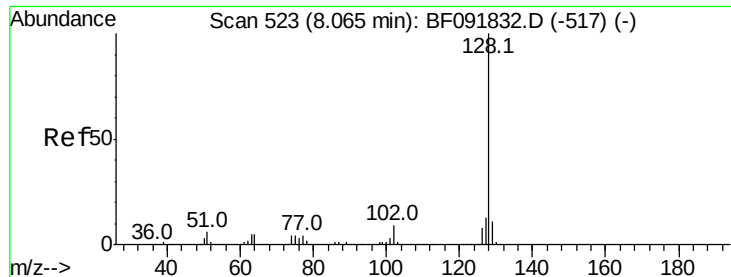


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 5.76 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.03 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

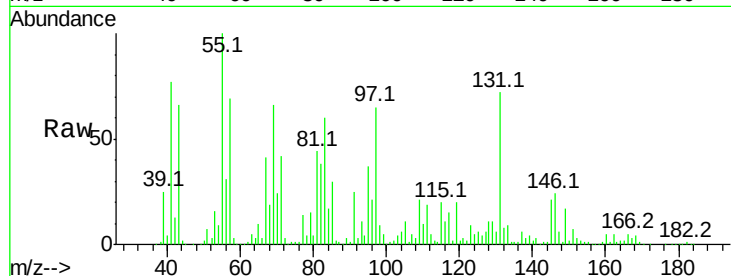
Tot Ion:128 Resp: 162309

Ion Ratio Lower Upper

128 100

129 103.2 9.5 14.3#

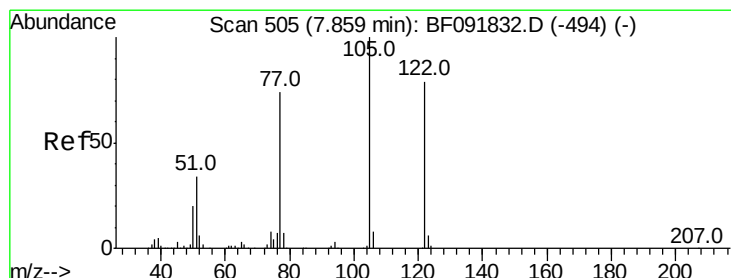
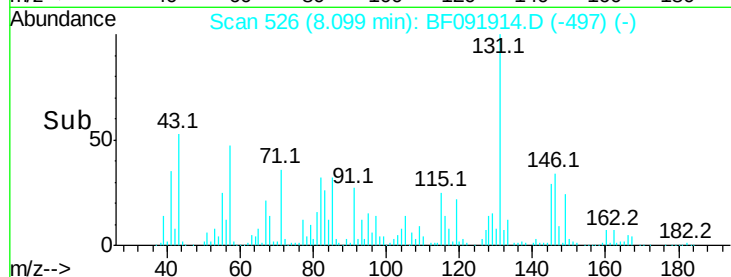
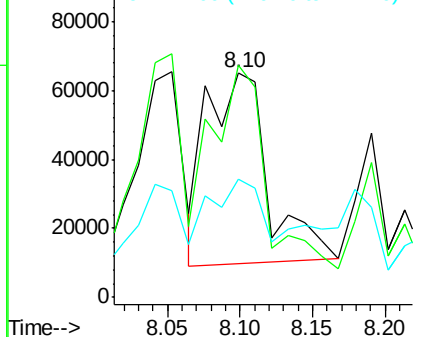
127 52.8 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.31 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

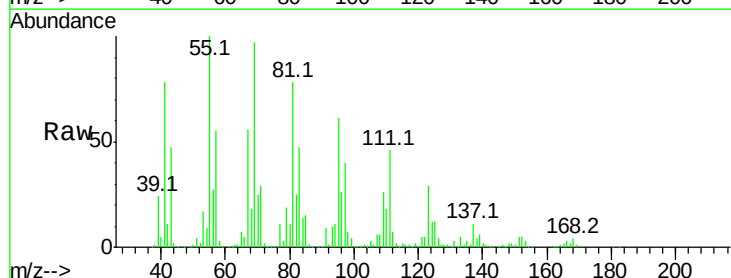
Tgt Ion:122 Resp: 38013

Ion Ratio Lower Upper

122 100

105 50.4 107.2 147.2#

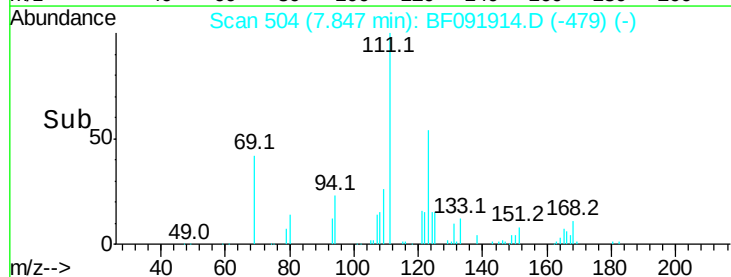
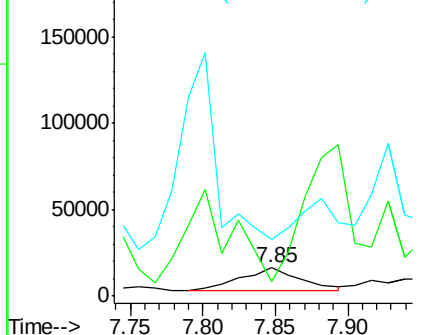
77 199.2 74.5 114.5#

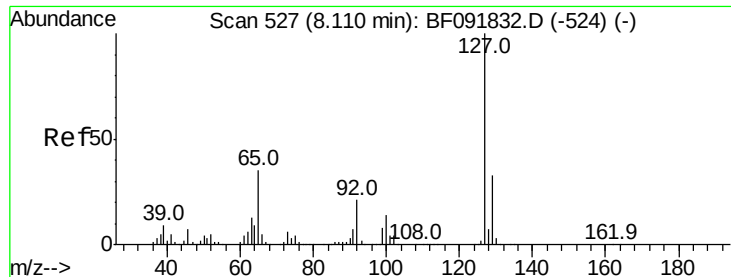


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 5.92 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

Tot Ion:127 Resp: 75272

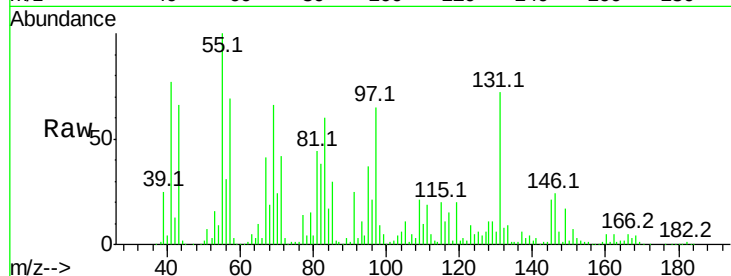
Ion Ratio Lower Upper

127 100

129 195.6 26.3 39.5#

65 167.6 25.8 38.8#

92 48.9 16.1 24.1#

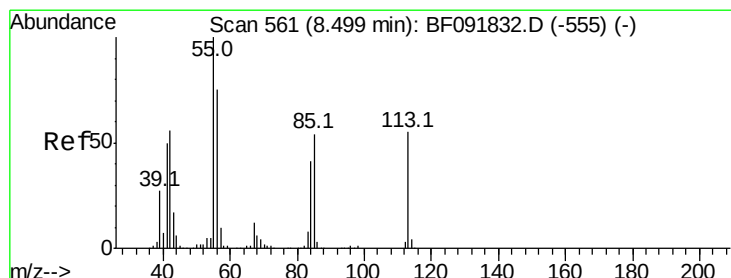
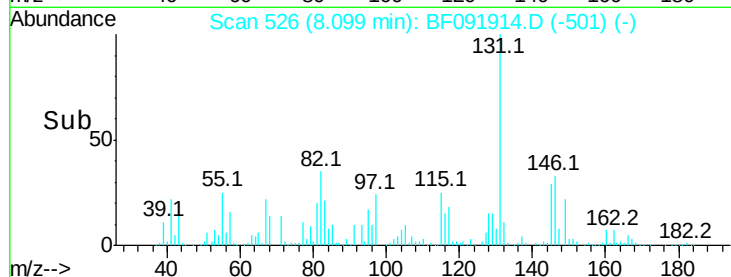
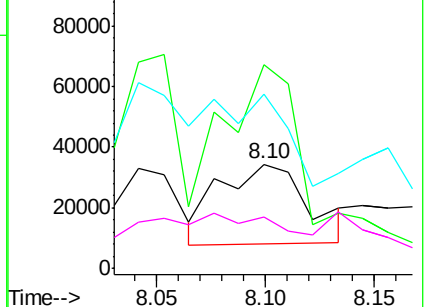


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 140.00 ng

RT: 8.50 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

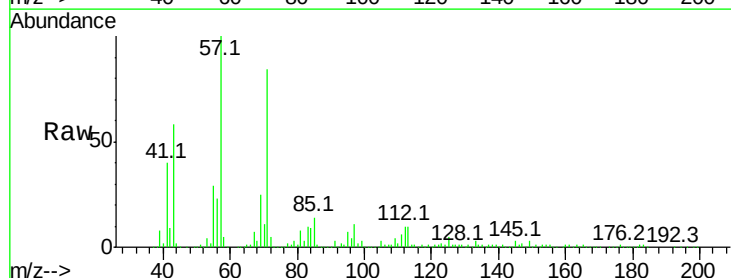
Tgt Ion:113 Resp: 375718

Ion Ratio Lower Upper

113 100

55 282.2 119.2 159.2#

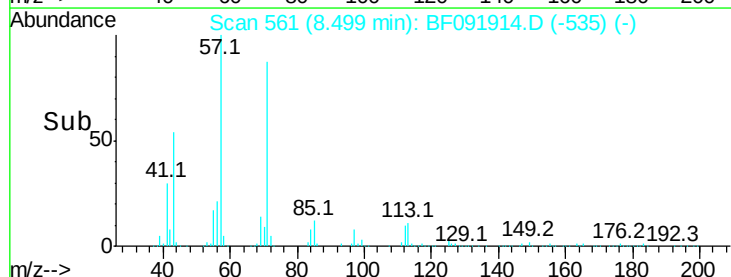
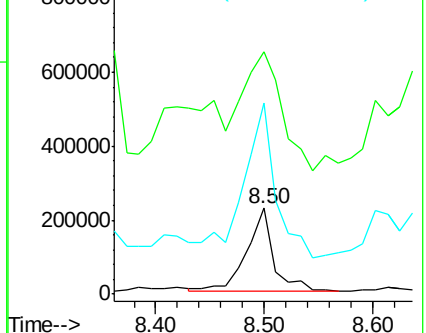
56 222.6 83.8 123.8#

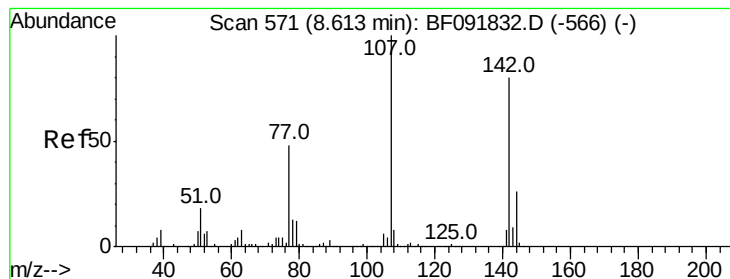


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 5.59 ng

RT: 8.59 min Scan# 569

Delta R.T. -0.02 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

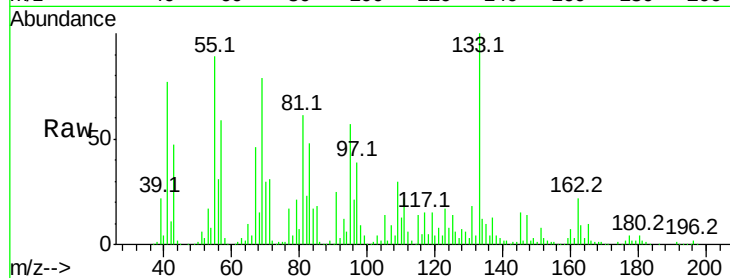
Tot Ion:107 Resp: 52521

Ion Ratio Lower Upper

107 100

144 5.8 19.3 28.9#

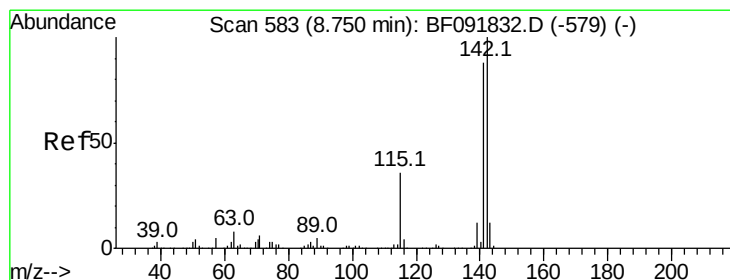
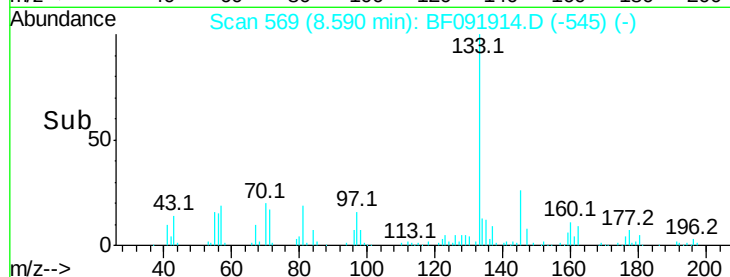
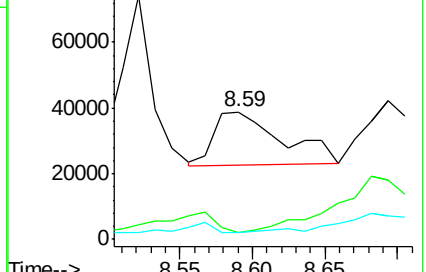
142 5.2 59.0 88.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: Below Cal

RT: 8.77 min Scan# 585

Delta R.T. 0.02 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

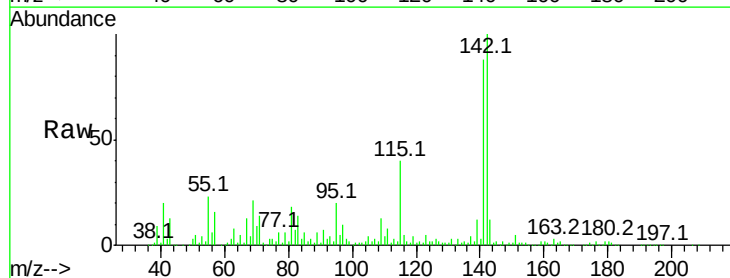
Tgt Ion:142 Resp: 1395908

Ion Ratio Lower Upper

142 100

141 87.9 71.0 106.6

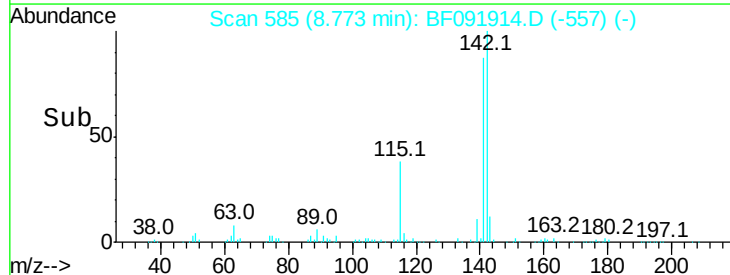
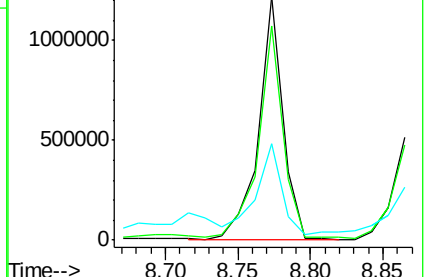
115 39.7 28.3 42.5

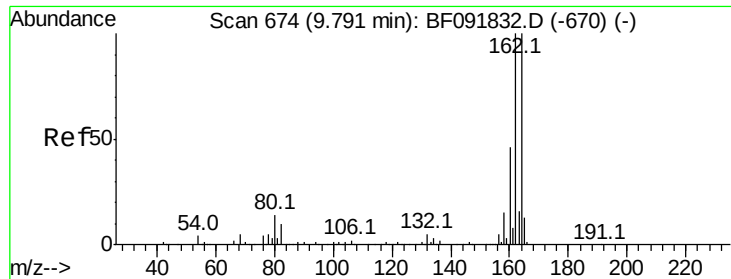


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

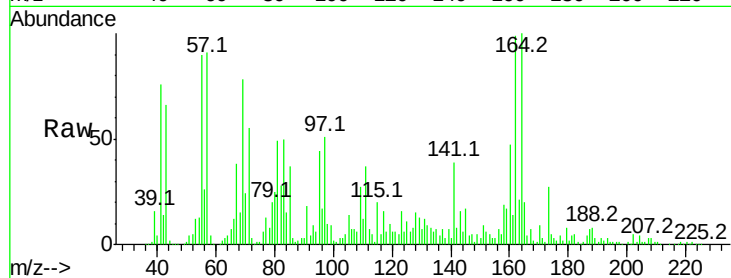
Tot Ion:164 Resp: 281811

Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.2

160 47.4 36.9 55.3



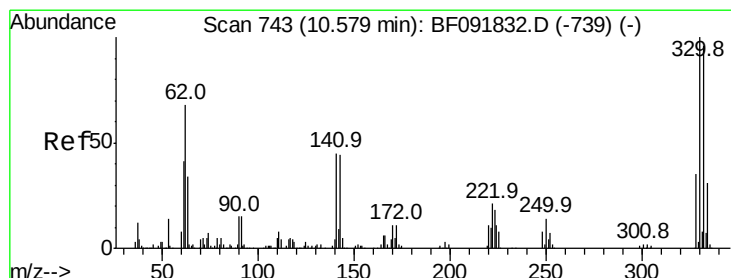
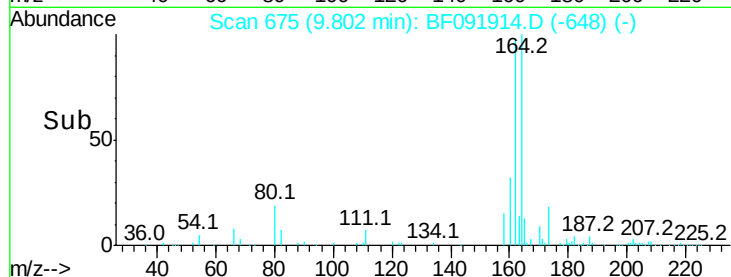
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.80

Time-->



#41

2,4,6-Tribromophenol

Concen: 62.52 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

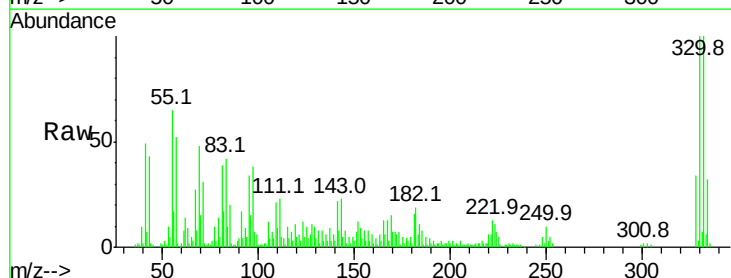
Tgt Ion:330 Resp: 145815

Ion Ratio Lower Upper

330 100

332 98.1 77.4 116.2

141 50.1 34.1 51.1



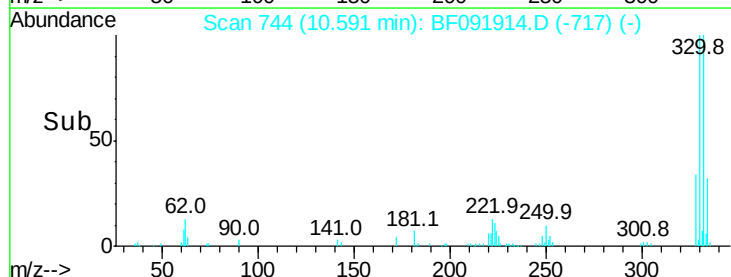
Abundance Ion 329.80 (329.50 to 330.50): E

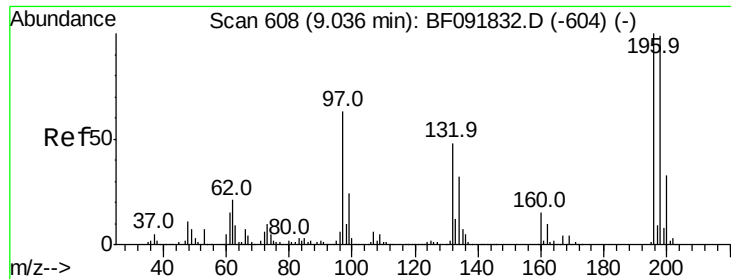
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

10.59

Time-->

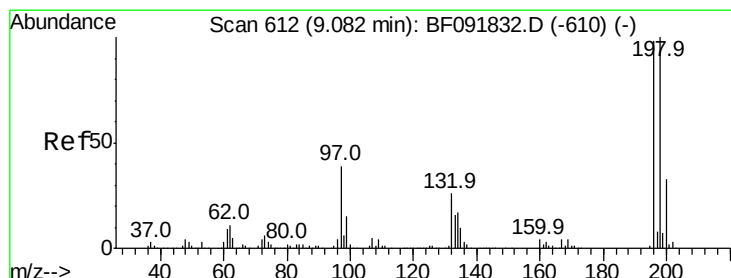
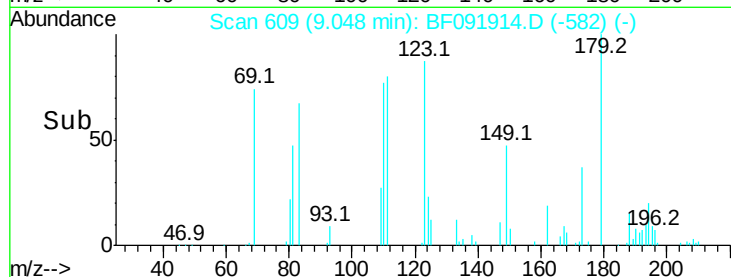
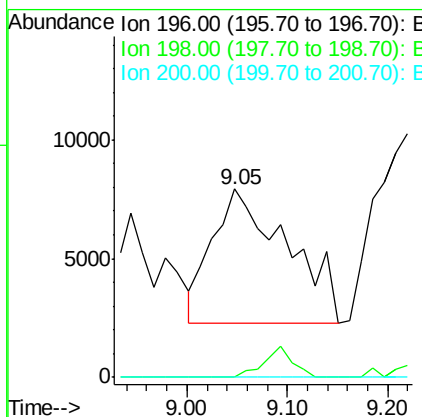
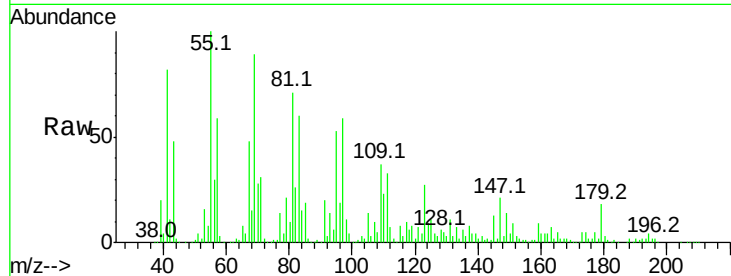




#42
 2,4,6-Trichlorophenol
 Concen: 5.92 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: BF091914.D
 Acq: 23 Dec 2016 9:09

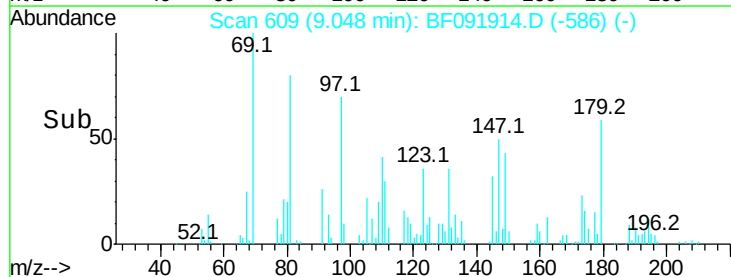
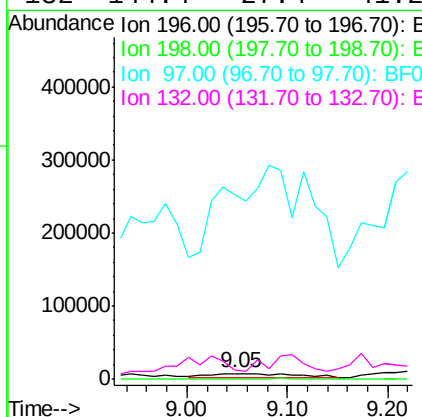
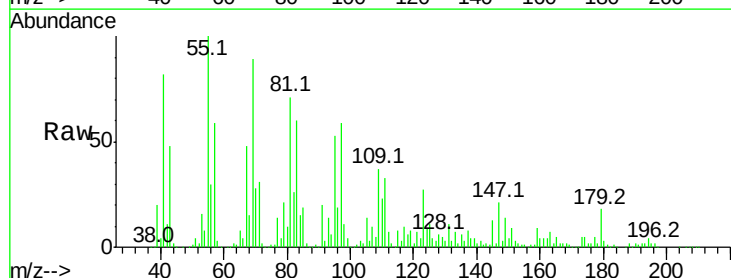
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916DL

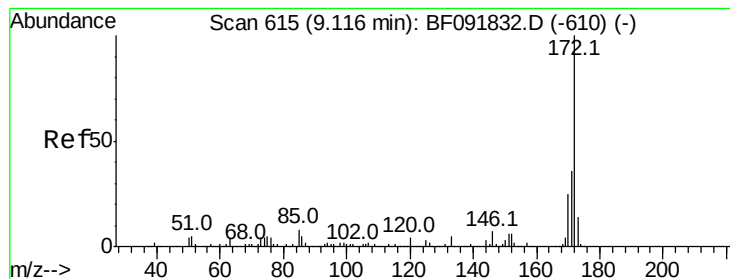
Tot Ion:196 Resp: 29487
 Ion Ratio Lower Upper
 196 100
 198 0.0 82.1 123.1#
 200 0.0 27.0 40.4#



#43
 2,4,5-Trichlorophenol
 Concen: 5.75 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF091914.D
 Acq: 23 Dec 2016 9:09

Tgt Ion:196 Resp: 29487
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 3195.6 51.5 77.3#
 132 144.4 27.4 41.2#





#44

2-Fluorobiphenyl

Concen: 54.50 ng

RT: 9.13 min Scan# 616

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

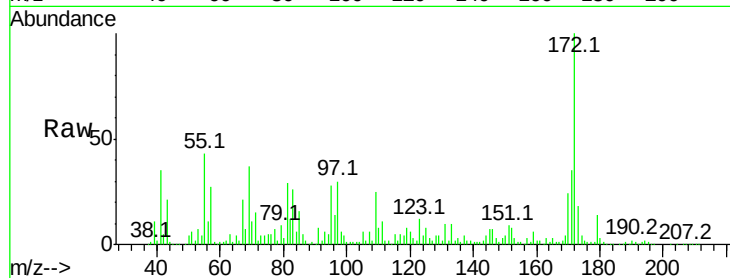
Tot Ion:172 Resp: 813258

Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.0

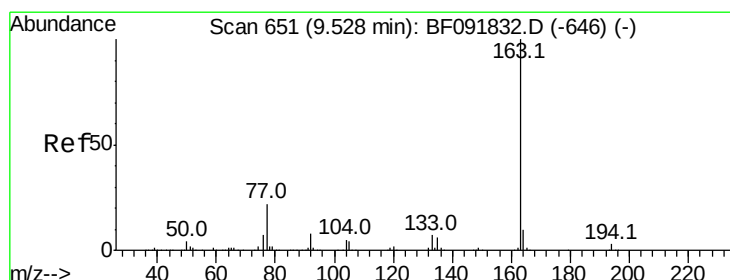
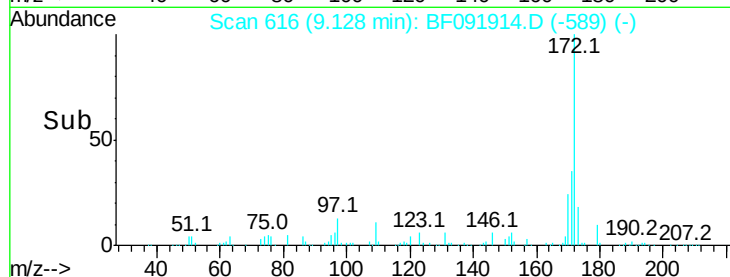
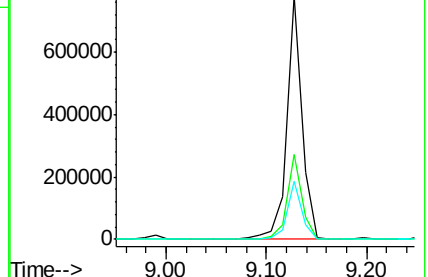
170 23.7 20.2 30.4



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



#49

Dimethylphthalate

Concen: 5.37 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

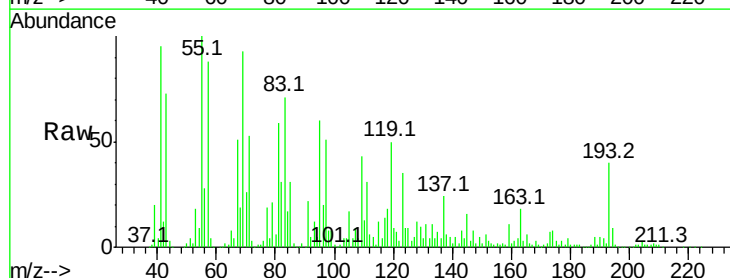
Tgt Ion:163 Resp: 96880

Ion Ratio Lower Upper

163 100

194 47.0 3.0 4.4#

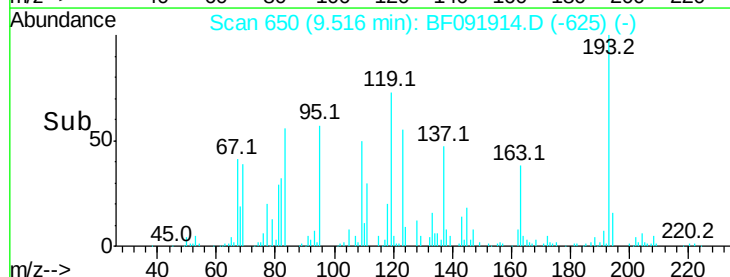
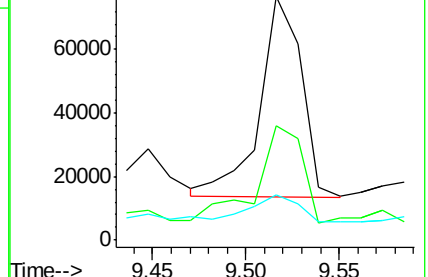
164 18.4 8.0 12.0#

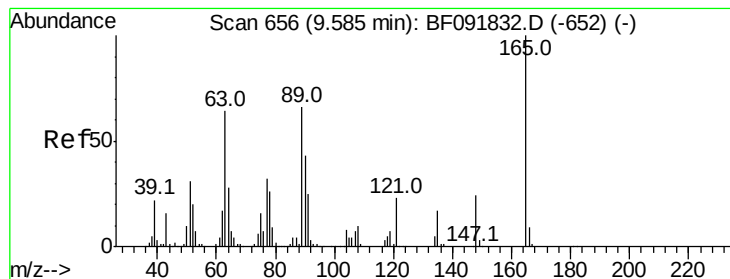


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 5.81 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

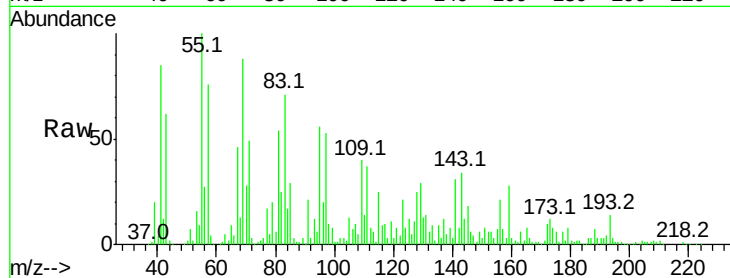
Tot Ion:165 Resp: 22918

Ion Ratio Lower Upper

165 100

63 62.0 36.2 54.4#

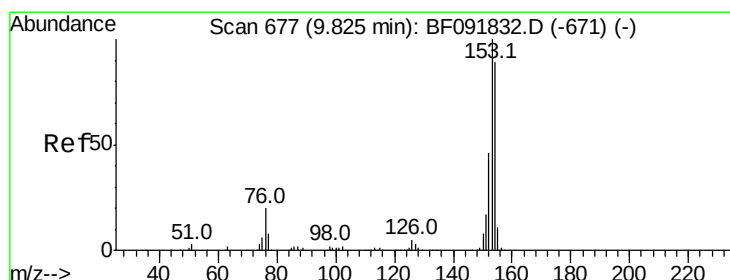
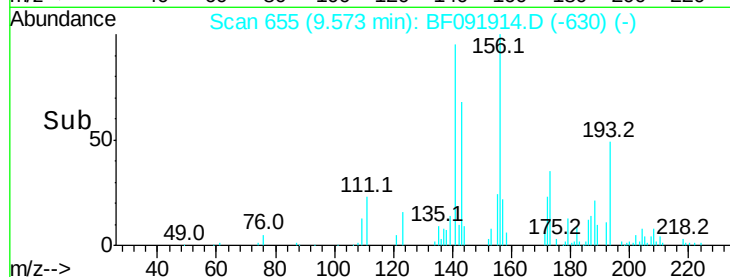
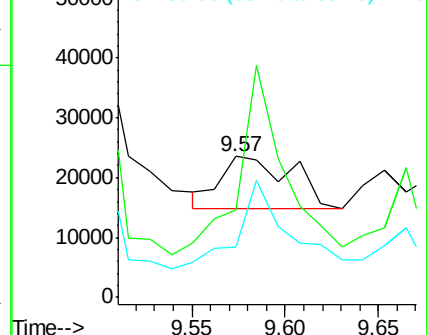
89 35.7 40.2 60.4#



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: 2.88 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

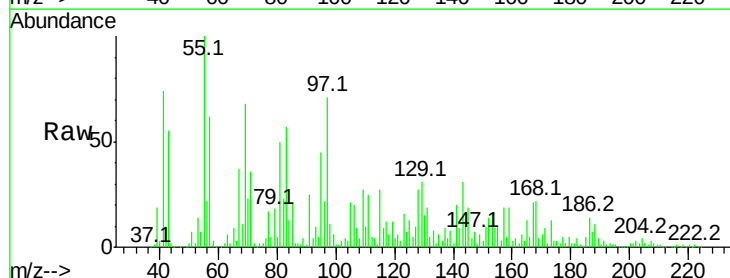
Tgt Ion:154 Resp: 45874

Ion Ratio Lower Upper

154 100

153 174.1 88.6 133.0#

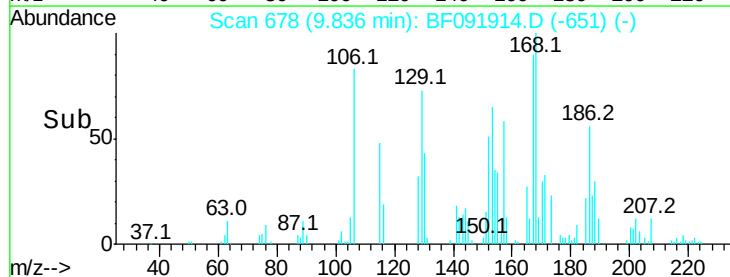
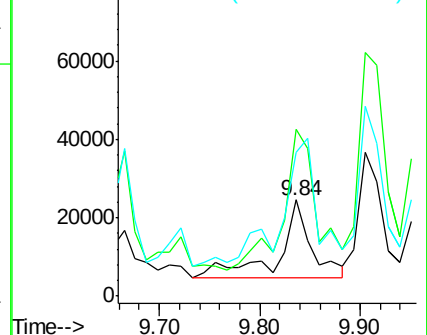
152 150.4 41.6 62.4#

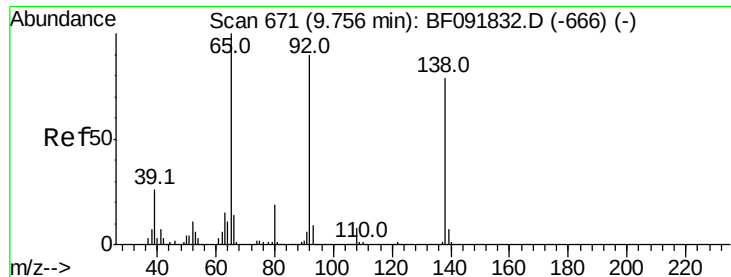


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 3.67 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

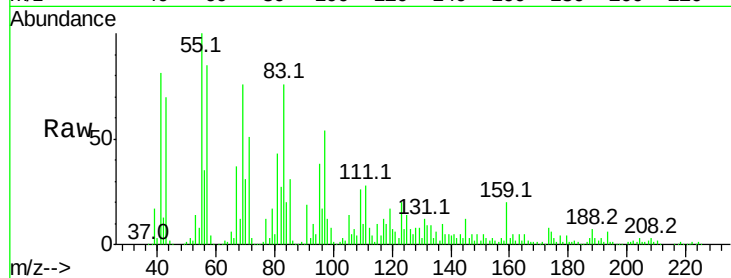
Tot Ion:138 Resp: 17907

Ion Ratio Lower Upper

138 100

108 76.9 8.5 12.7#

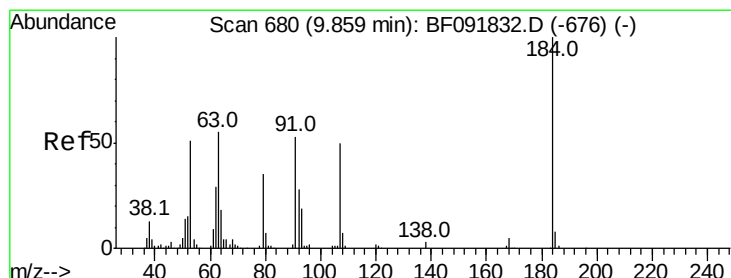
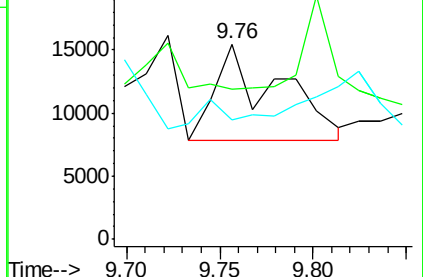
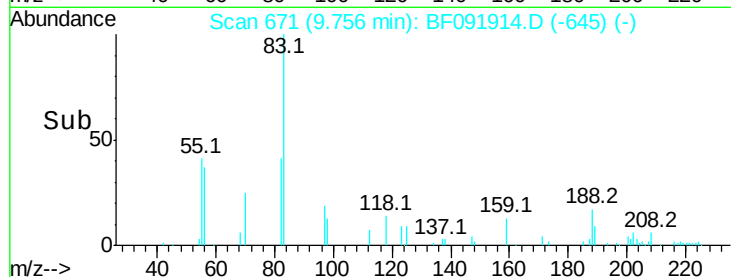
92 61.3 97.8 146.8#



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



#53

2,4-Dinitrophenol

Concen: 8.08 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.23 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

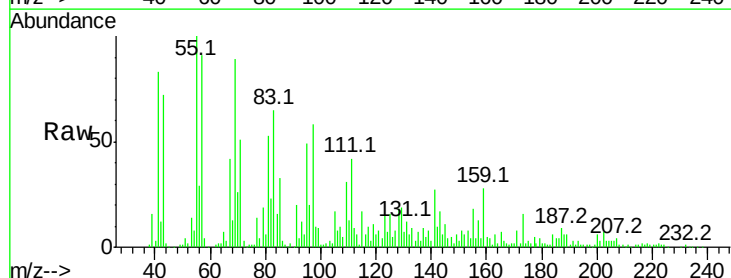
Tgt Ion:184 Resp: 17747

Ion Ratio Lower Upper

184 100

63 37.6 28.4 42.6

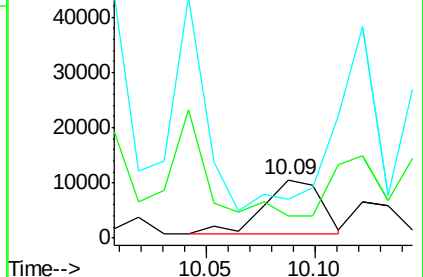
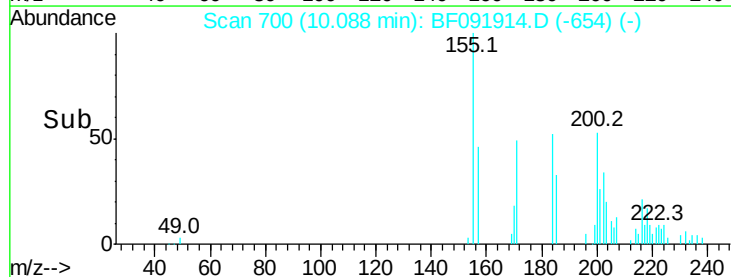
154 65.7 44.3 66.5

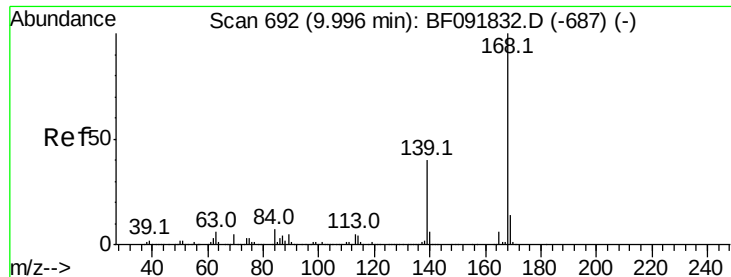


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 4.00 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

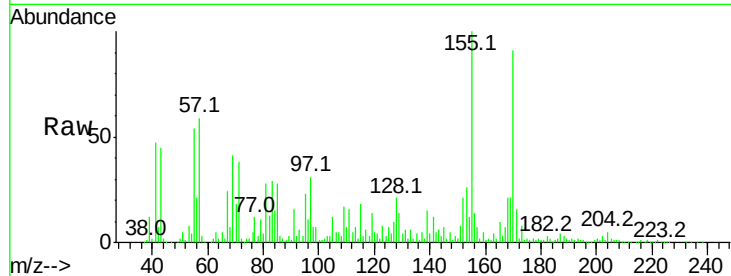
Tot Ion:168 Resp: 86049

Ion Ratio Lower Upper

168 100

139 69.2 32.6 49.0#

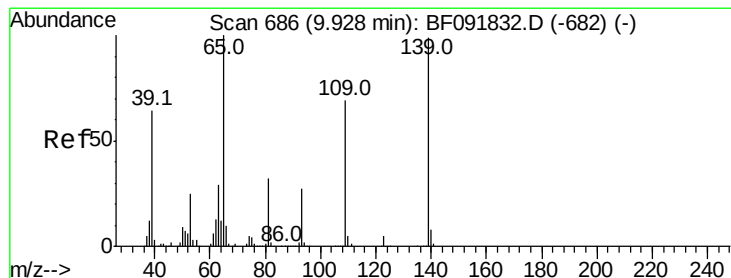
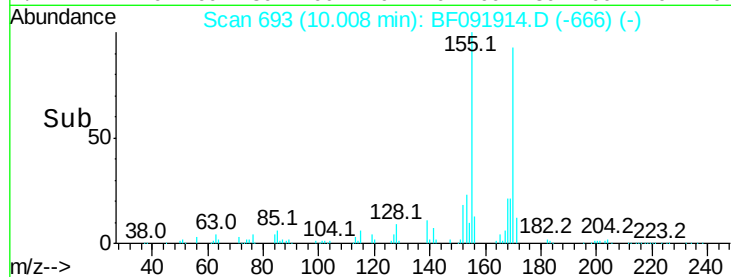
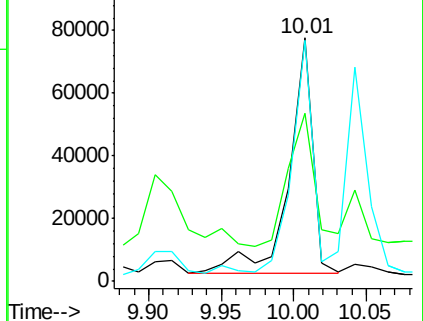
169 99.1 11.3 16.9#



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: 12.17 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

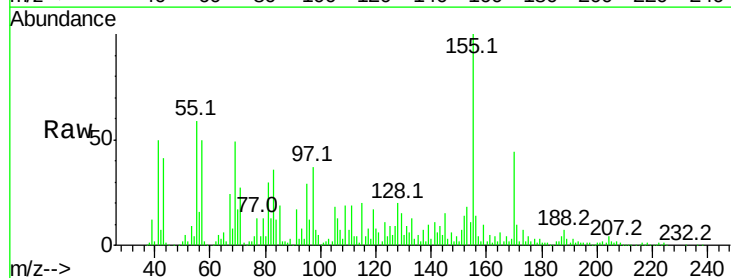
Tgt Ion:139 Resp: 40333

Ion Ratio Lower Upper

139 100

109 191.8 52.2 92.2#

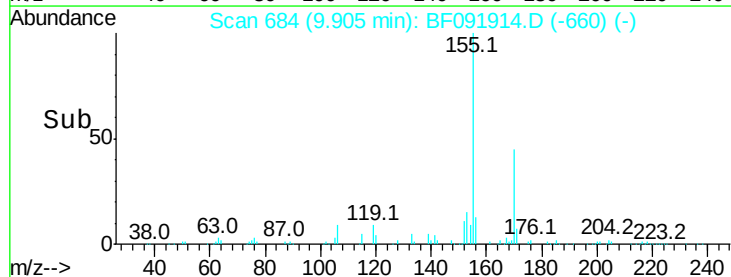
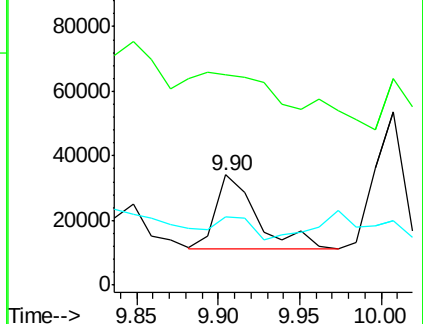
65 61.6 85.8 125.8#

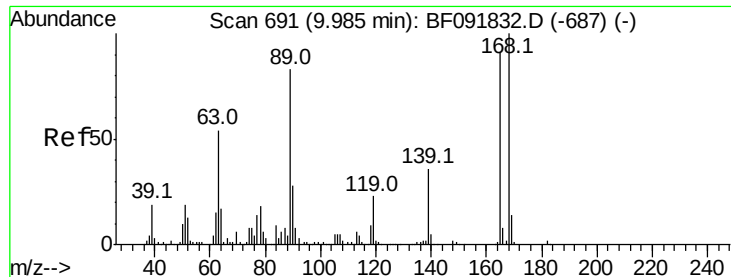


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.71 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.02 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

Tot Ion:165 Resp: 28272

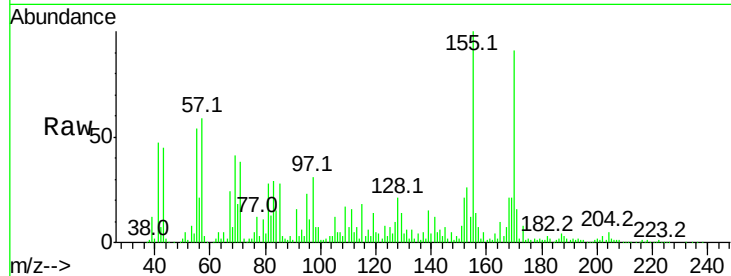
Ion Ratio Lower Upper

165 100

63 54.9 40.2 60.4

89 32.3 62.5 93.7#

182 29.2 1.8 2.8#

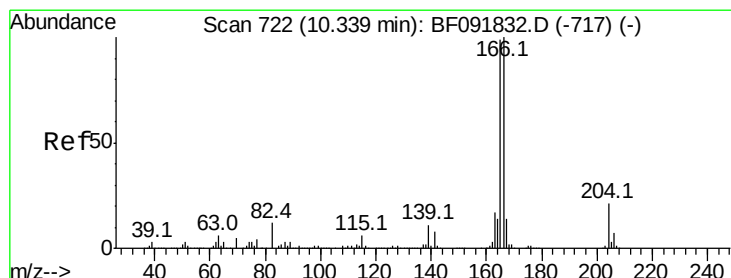
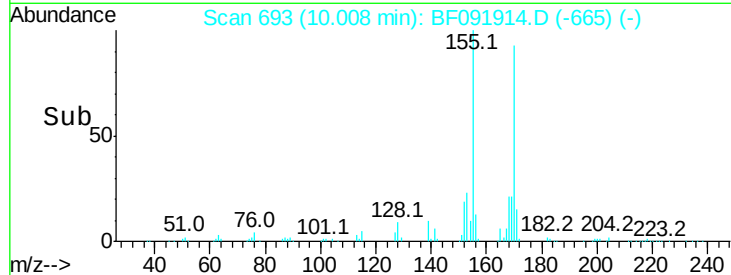
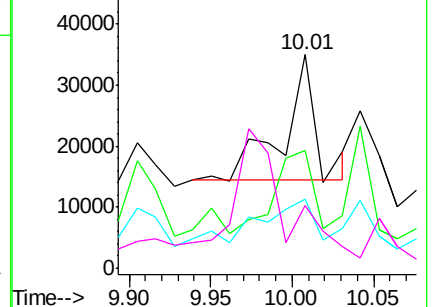


Abundance Ion 165.00 (164.70 to 165.70): E

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: 5.30 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

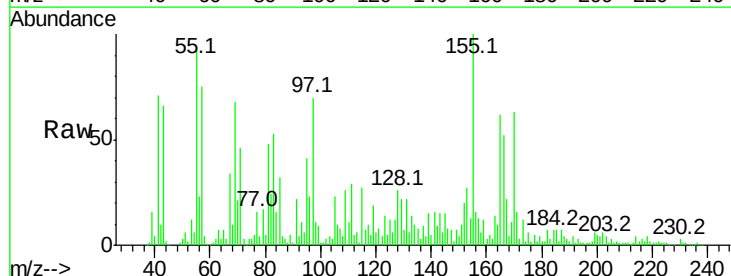
Tgt Ion:166 Resp: 82961

Ion Ratio Lower Upper

166 100

165 118.4 77.8 116.8#

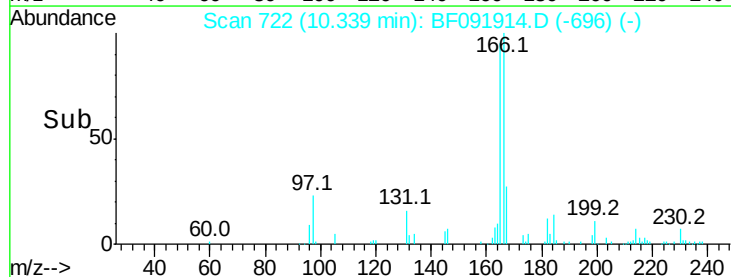
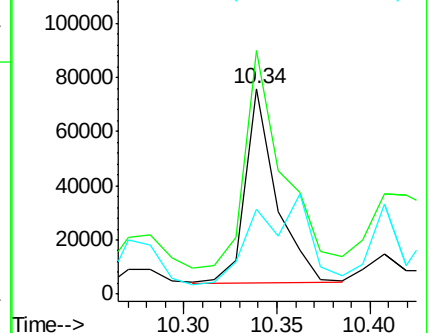
167 41.1 10.8 16.2#

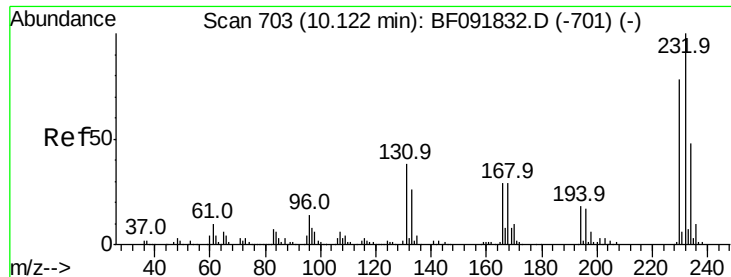


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

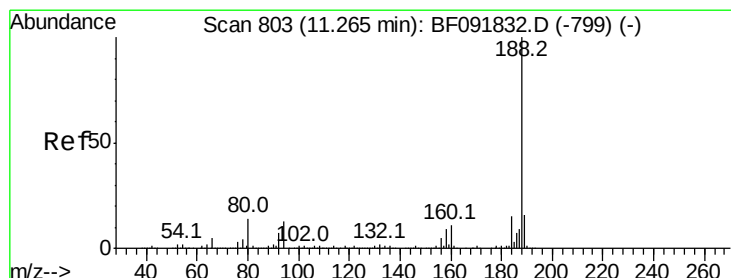
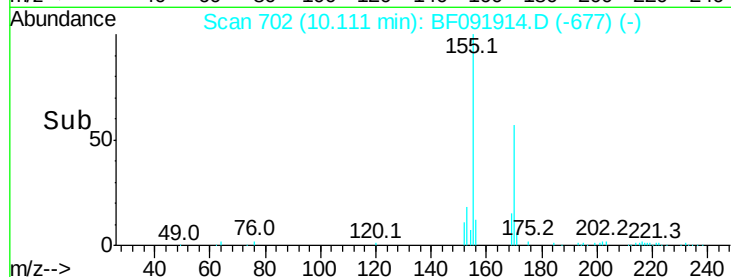
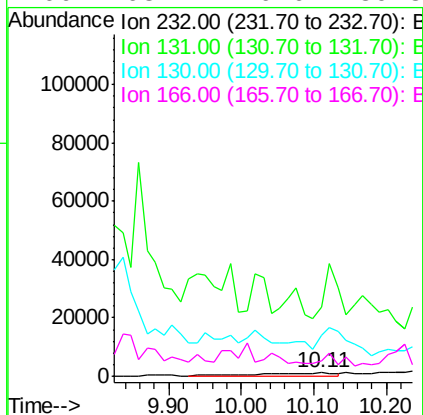
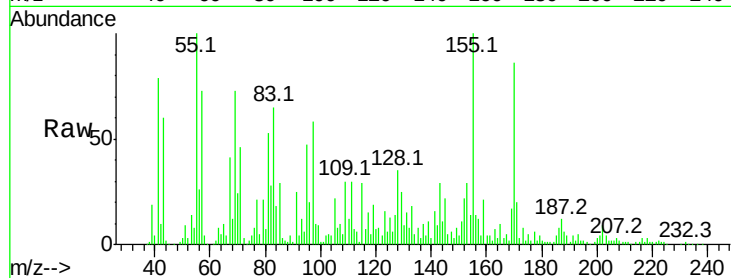




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.15 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF091914.D
 Acq: 23 Dec 2016 9:09

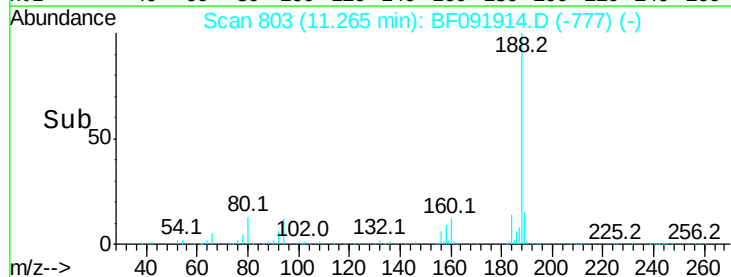
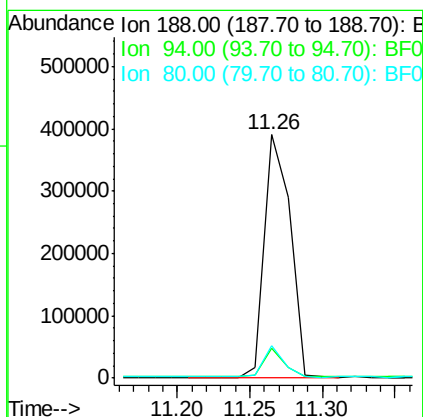
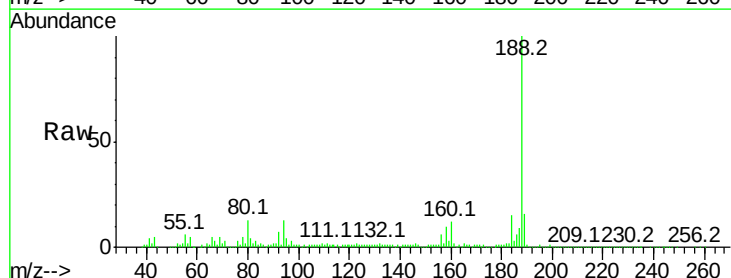
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(13-15)-121916DL

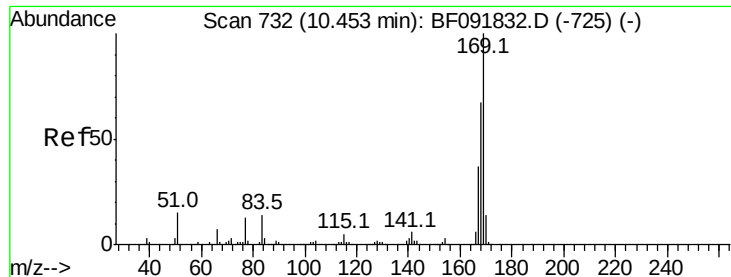
Tot Ion:232 Resp: 8706
 Ion Ratio Lower Upper
 232 100
 131 274.3 40.1 60.1#
 130 286.7 1.8 2.8#
 166 68.4 26.6 39.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091914.D
 Acq: 23 Dec 2016 9:09

Tgt Ion:188 Resp: 482928
 Ion Ratio Lower Upper
 188 100
 94 12.5 10.0 15.0
 80 13.5 11.2 16.8





#65

n-Nitrosodiphenylamine

Concen: 8.62 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

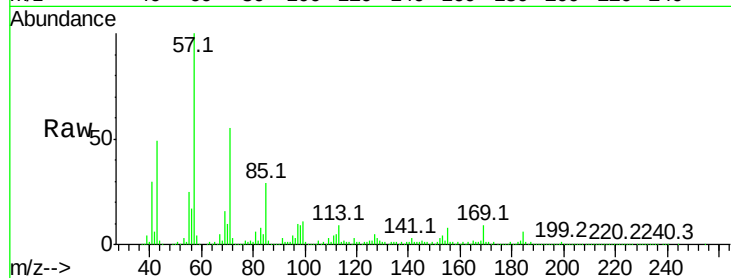
Tot Ion:169 Resp: 123572

Ion Ratio Lower Upper

169 100

168 17.9 54.2 81.2#

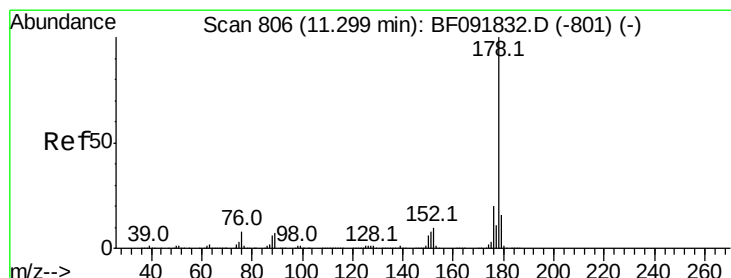
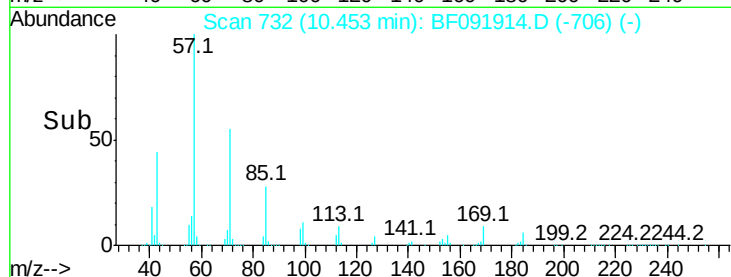
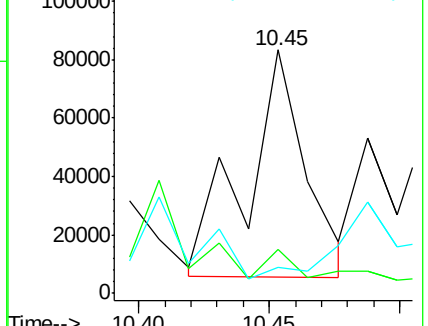
167 10.8 30.2 45.4#



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



#70

Phenanthrene

Concen: 2.53 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

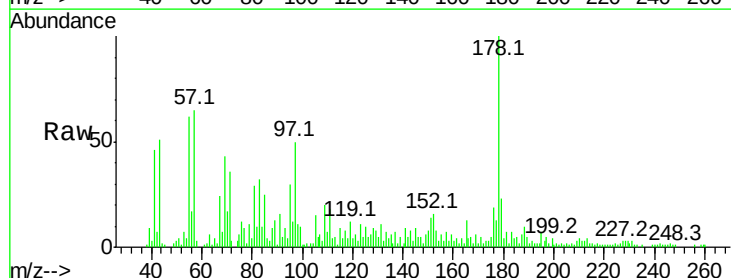
Tgt Ion:178 Resp: 66363

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

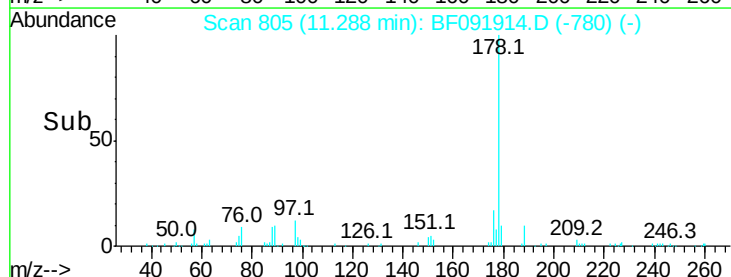
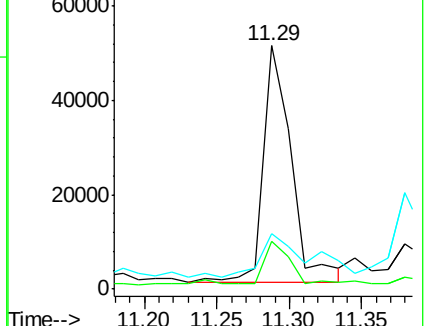
179 23.0 12.8 19.2#

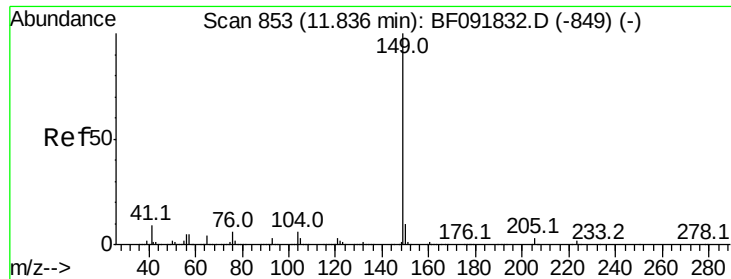


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

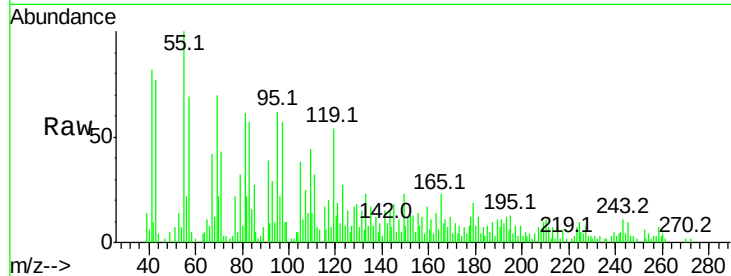
Tot Ion:149 Resp: 3949

Ion Ratio Lower Upper

149 100

150 32.5 8.1 12.1#

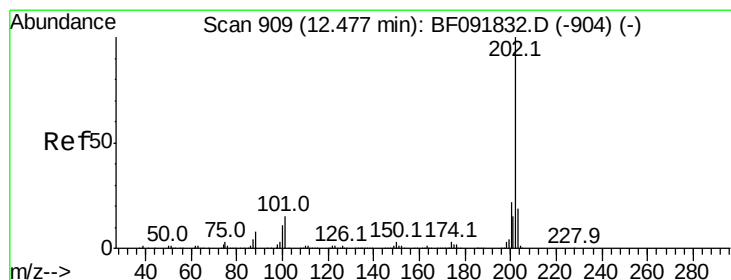
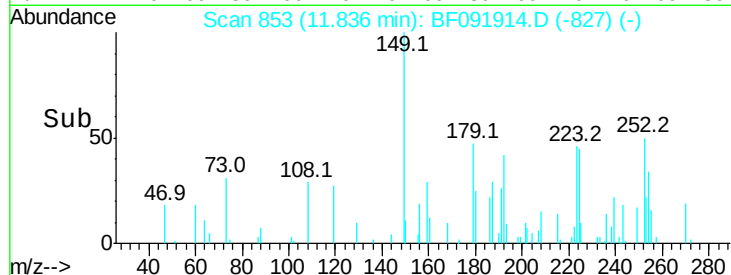
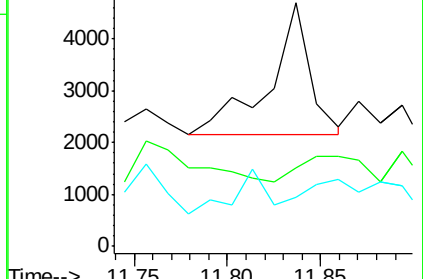
104 19.9 4.6 7.0#



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: Below Cal

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

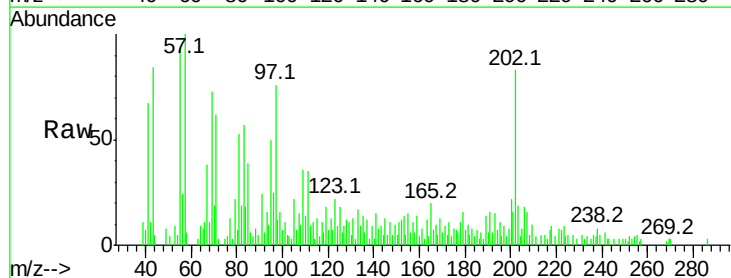
Tgt Ion:202 Resp: 10308

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.6

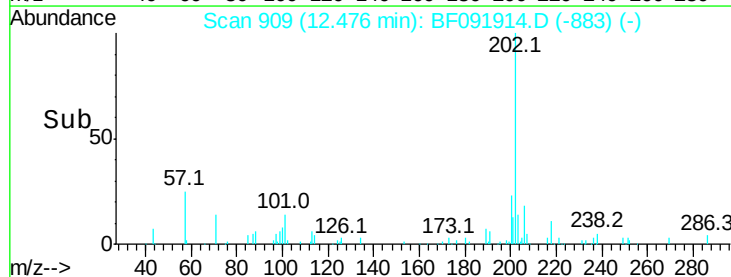
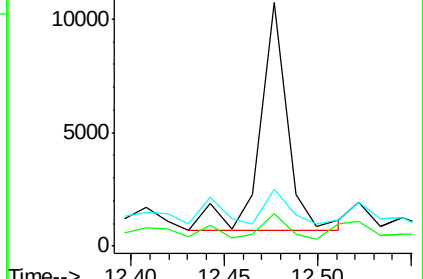
203 23.4 0.0 38.7

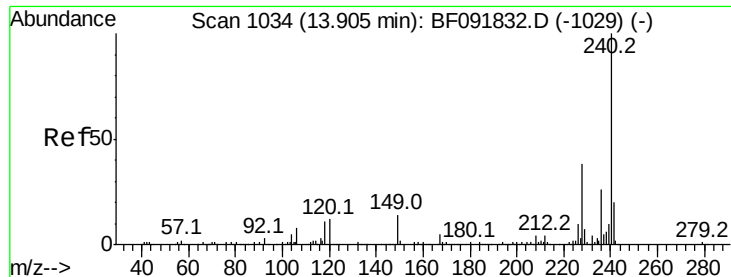


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

Instrument :

BNA_F

ClientSampleId :

SB-52(13-15)-121916DL

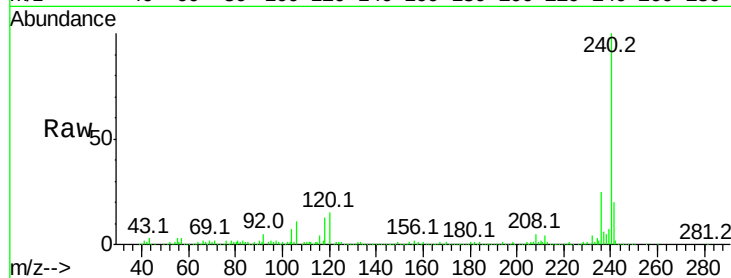
Tot Ion:240 Resp: 370807

Ion Ratio Lower Upper

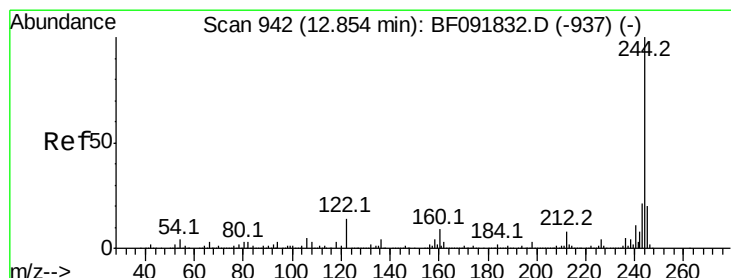
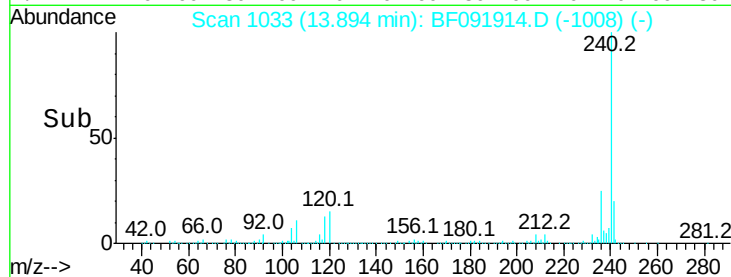
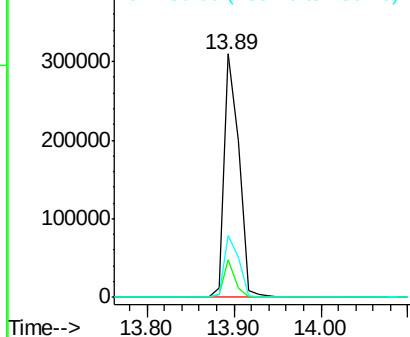
240 100

120 15.3 12.9 19.3

236 25.4 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



#78

Terphenyl-d14

Concen: 49.33 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091914.D

Acq: 23 Dec 2016 9:09

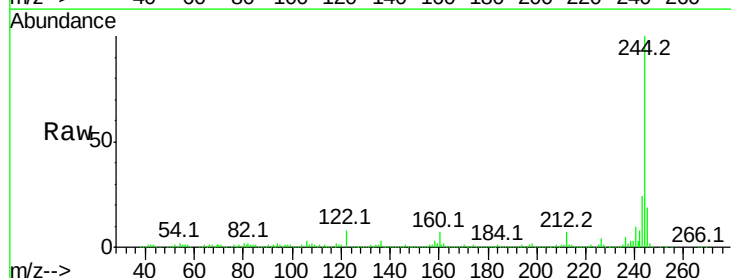
Tgt Ion:244 Resp: 754277

Ion Ratio Lower Upper

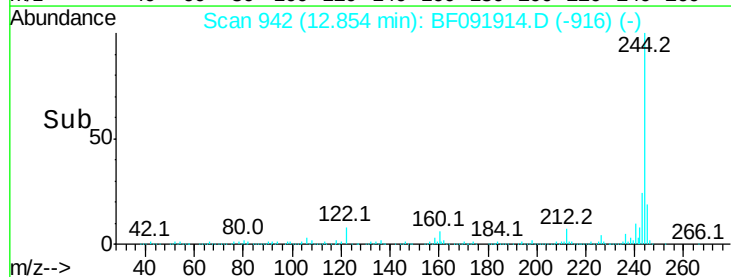
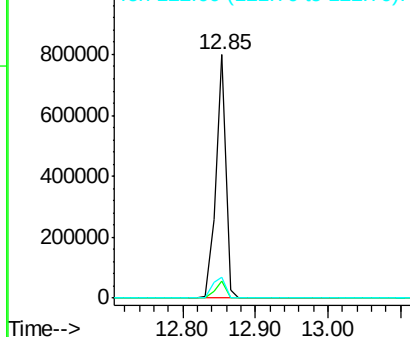
244 100

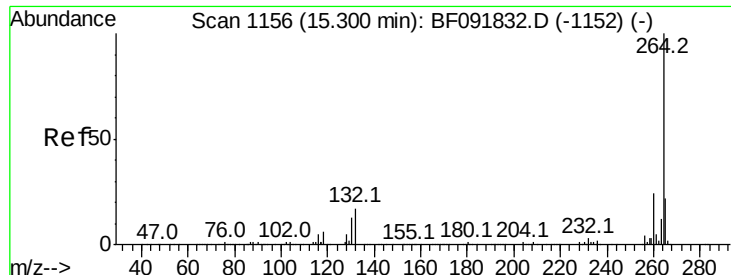
212 7.0 6.2 9.2

122 8.4 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

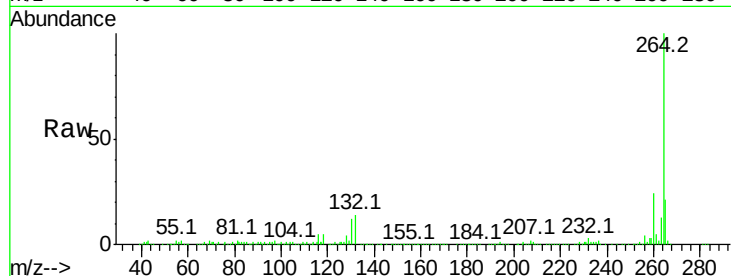




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF091914.D
Acq: 23 Dec 2016 9:09

Instrument :
BNA_F
ClientSampleId :
SB-52(13-15)-121916DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.1	17.4	26.0



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

