

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091902.D
 Acq On : 23 Dec 2016 3:44
 Operator : UM/SJ
 Sample : H6182-04RE
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-51(6-8)-121916RE

Quant Time: Dec 23 04:20:46 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	6.75	152	203250	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	754968	20.00	ng	0.01
38) Acenaphthene-d10	9.97	164	15641	20.00	ng	0.18
63) Phenanthrene-d10	11.48	188	15429	20.00	ng	0.22
75) Chrysene-d12	13.93	240	308851	20.00	ng	0.02
86) Perylene-d12	15.32	264	319241	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1758849	144.49	ng	0.06
7) Phenol-d6	6.45	99	2187463	147.19	ng	0.05
23) Nitrobenzene-d5	7.32	82	1227134	90.38	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	201968	1560.31	ng	0.08
44) 2-Fluorobiphenyl	9.16	172	1118475	1712.10	ng	0.05
78) Terphenyl-d14	12.89	244	872828	68.54	ng	0.03

Target Compounds

						Qvalue
10) Phenol	6.46	94	88028	5.20	ng	# 79
15) Benzyl Alcohol	6.91	79	134153	11.62	ng	# 83
18) Hexachloroethane	7.33	117	181616	32.56	ng	# 21
19) n-Nitroso-di-n-propylamine	7.18	70	84189	8.52	ng	# 70
24) Nitrobenzene	7.40	77	102880	7.11	ng	# 78
25) Isophorone	7.57	82	377005	15.05	ng	# 1
26) 2-Nitrophenol	7.62	139	15082	2.11	ng	# 1
27) 2,4-Dimethylphenol	7.70	122	173178	14.64	ng	# 1
28) bis(2-Chloroethoxy)methane	7.85	93	150009	9.88	ng	# 1
29) 2,4-Dichlorophenol	7.90	162	27321	2.73	ng	# 1
30) 1,2,4-Trichlorobenzene	7.96	180	36266	3.30	ng	# 41
31) Naphthalene	8.13	128	193647	5.60	ng	# 1
32) Benzoic acid	7.85	122	85455	9.74	ng	# 22
33) 4-Chloroaniline	8.17	127	113839	7.31	ng	# 1
35) Caprolactam	8.53	113	138304	42.02	ng	# 1
36) 4-Chloro-3-methylphenol	8.61	107	214086	18.58	ng	# 25
37) 2-Methylnaphthalene	8.77	142	10153	Below Cal		# 1
39) 1,2,4,5-Tetrachlorobenzene	9.21	216	5053	12.79	ng	# 1
42) 2,4,6-Trichlorophenol	9.23	196	9431	34.13	ng	# 14
43) 2,4,5-Trichlorophenol	9.23	196	11141	39.17	ng	# 1
45) 1,1'-Biphenyl	9.33	154	7502	7.00	ng	# 1
46) 2-Chloronaphthalene	9.44	162	78269	92.29	ng	# 1
47) 2-Nitroaniline	9.54	65	42747	141.56	ng	# 78
48) Acenaphthylene	9.79	152	46632	35.75	ng	# 1
49) Dimethylphthalate	9.66	163	251146	251.05	ng	# 43
50) 2,6-Dinitrotoluene	9.85	165	59499	271.74	ng	# 68
51) Acenaphthene	9.98	154	33273	37.63	ng	# 1
52) 3-Nitroaniline	9.97	138	34821	128.51	ng	# 57
53) 2,4-Dinitrophenol	10.08	184	31976	262.46	ng	# 1
54) Dibenzofuran	10.19	168	6685	5.60	ng	# 1
55) 4-Nitrophenol	10.11	139	71263	387.33	ng	# 1
56) 2,4-Dinitrotoluene	10.17	165	25693	93.49	ng	# 60
57) Fluorene	10.56	166	50521	58.15	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.32	232	34408	152.96	ng	# 35

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 ALS Vial : 53 Sample Multiplier: 1

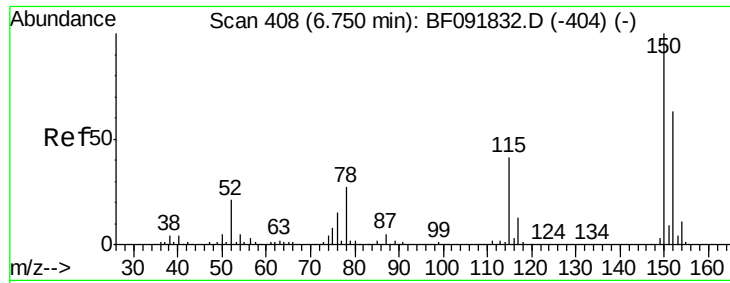
Instrument :
 BNA_F
 ClientSampleId :
 SB-51(6-8)-121916RE

Quant Time: Dec 23 04:20:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
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 Response via : Initial Calibration

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

59) Diethylphthalate	10.43	149	64105	65.98	ng	# 1
60) 4-Chlorophenyl-phenylether	10.53	204	24893	65.43	ng	# 1
61) 4-Nitroaniline	10.33	138	98294	350.05	ng	90
62) Azobenzene	10.53	77	94411	88.26	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.60	198	137885	1477.89	ng	# 1
65) n-Nitrosodiphenylamine	10.64	169	538527	1176.26	ng	# 41
66) 4-Bromophenyl-phenylether	11.05	248	9075	56.54	ng	# 1
67) Hexachlorobenzene	11.31	284	880	5.13	ng	# 1
68) Atrazine	11.21	200	2537	17.18	ng	# 1
69) Pentachlorophenol	11.33	266	2718	32.29	ng	# 1
70) Phenanthrene	11.57	178	122458	146.37	ng	# 1
71) Anthracene	11.57	178	122458	Below Cal	#	1
72) Carbazole	11.71	167	54221	Below Cal	#	1
73) Di-n-butylphthalate	12.09	149	37440	47.45	ng	# 38
74) Fluoranthene	12.70	202	20673	26.60	ng	# 1
76) Benzidine	12.60	184	15115	Below Cal	#	1
80) Benzo(a)anthracene	13.94	228	54368	3.12	ng	# 5
82) Chrysene	13.94	228	57298	3.28	ng	# 14
83) Bis(2-ethylhexyl)phthalate	13.89	149	205868	16.96	ng	# 82

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

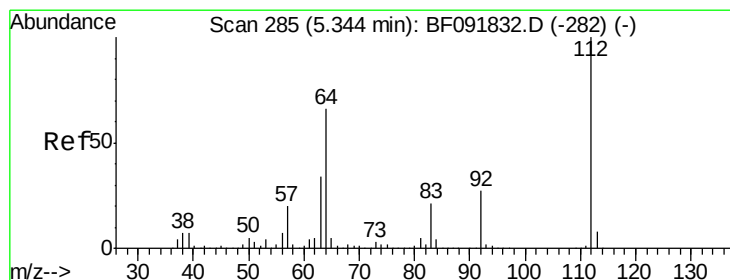
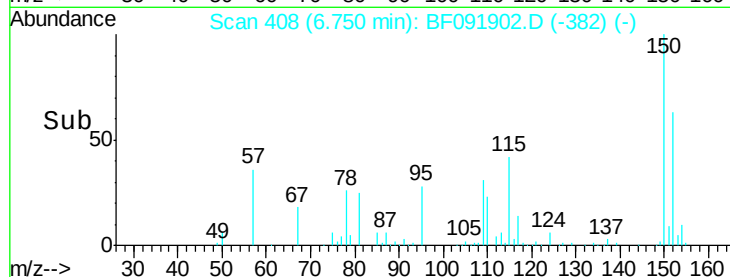
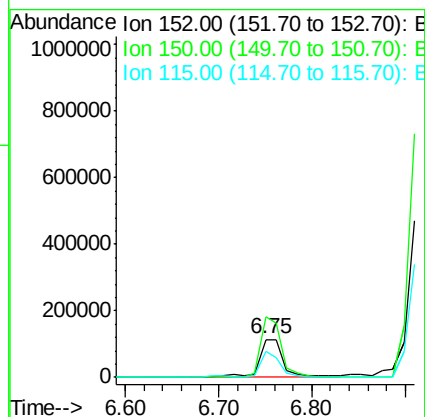
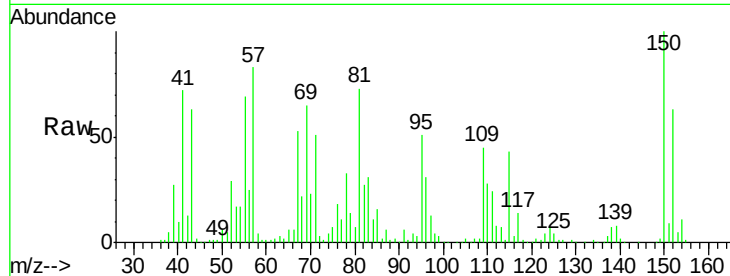
Tgt Ion:152 Resp: 203250

Ion Ratio Lower Upper

152 100

150 158.3 124.9 187.3

115 68.3 46.0 69.0



#5

2-Fluorophenol

Concen: 144.49 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

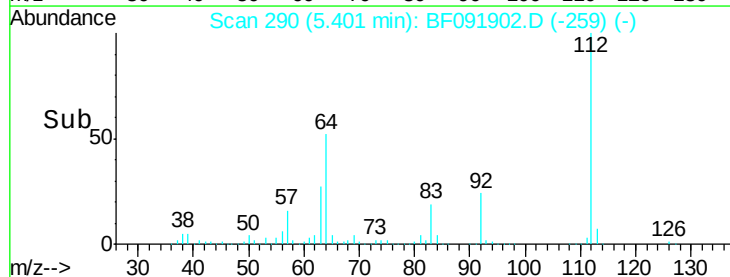
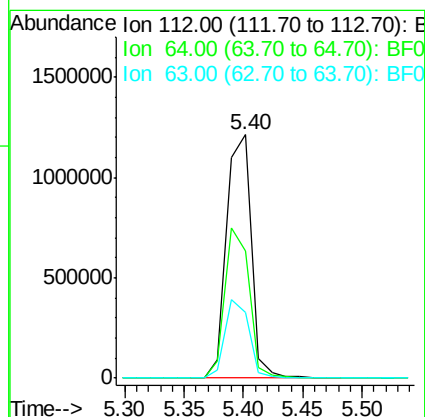
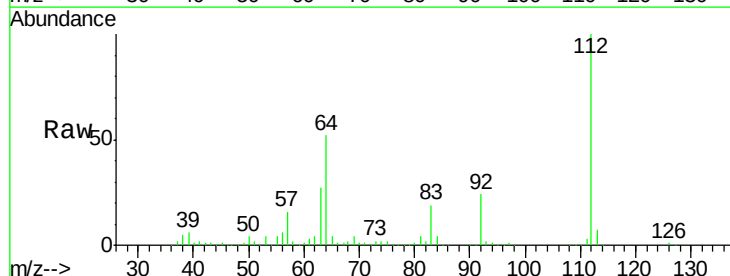
Tgt Ion:112 Resp: 1758849

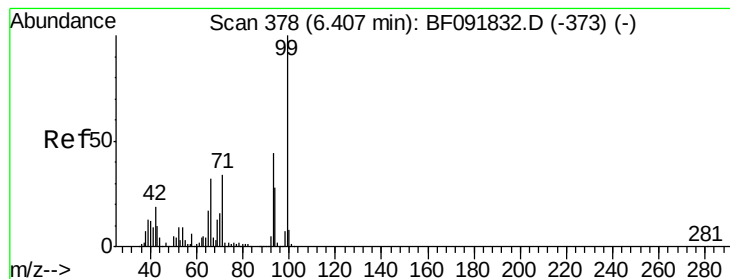
Ion Ratio Lower Upper

112 100

64 52.4 46.1 69.1

63 27.0 23.8 35.6





#7

Phenol-d6

Concen: 147.19 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

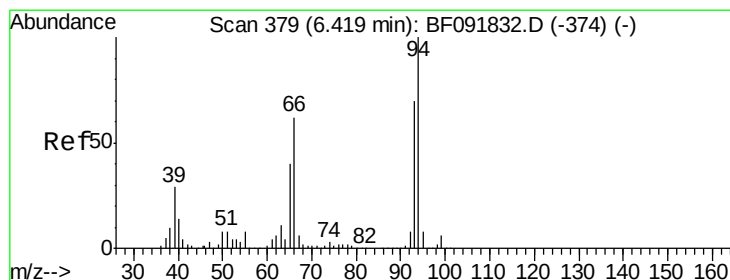
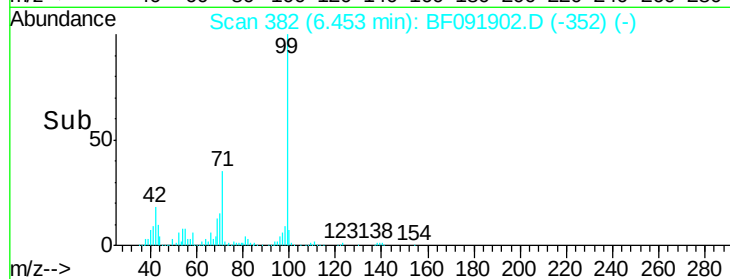
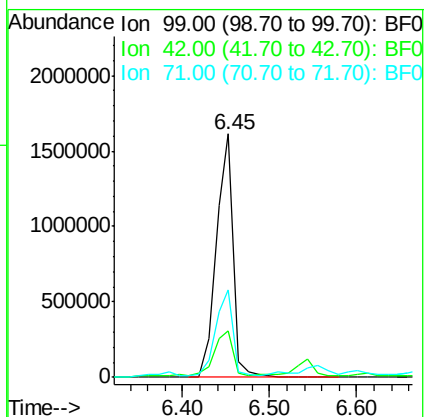
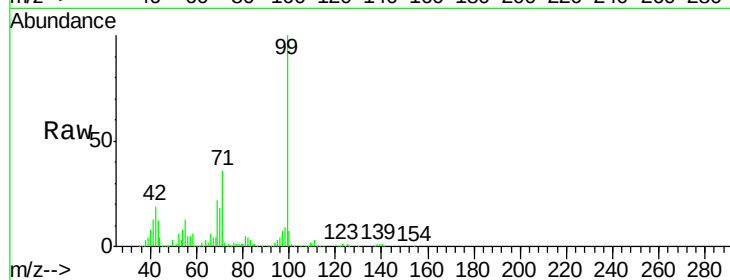
Tgt Ion: 99 Resp: 2187463

Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

71 35.8 27.5 41.3



#10

Phenol

Concen: 5.20 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

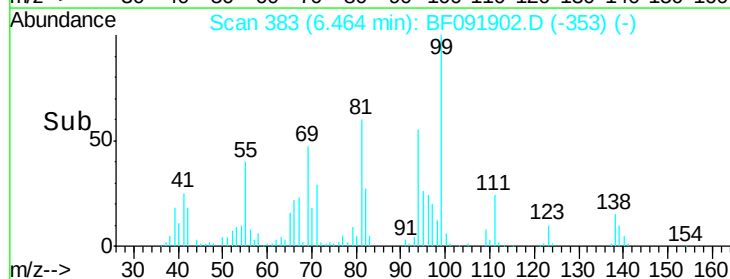
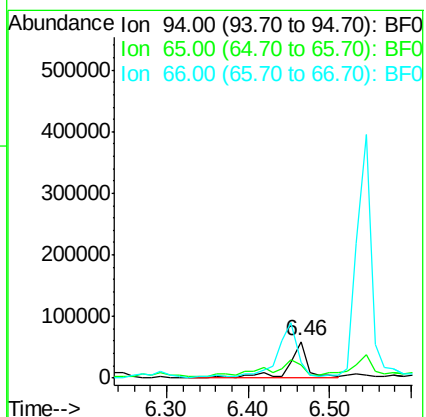
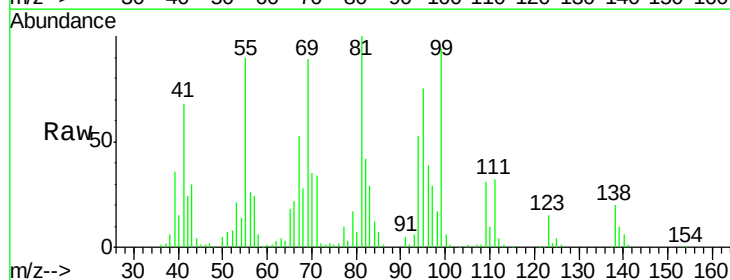
Tgt Ion: 94 Resp: 88028

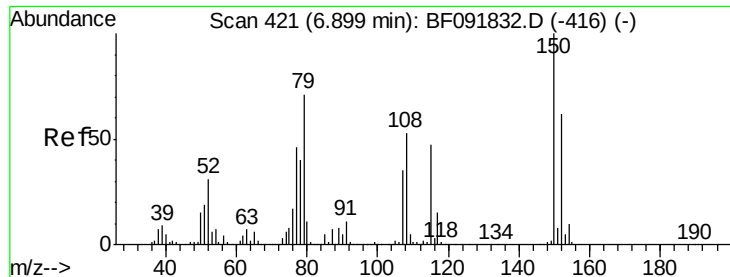
Ion Ratio Lower Upper

94 100

65 34.5 21.4 61.4

66 42.0 44.0 84.0#





#15

Benzyl Alcohol

Concen: 11.62 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

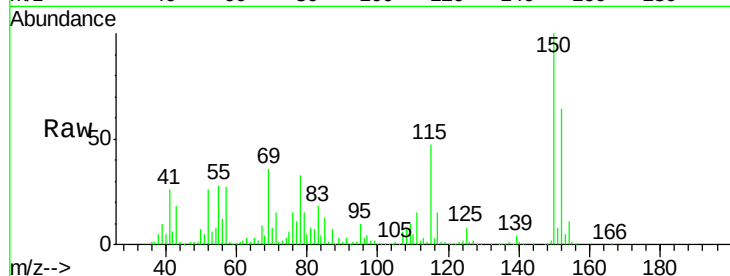
Tgt Ion: 79 Resp: 134153

Ion Ratio Lower Upper

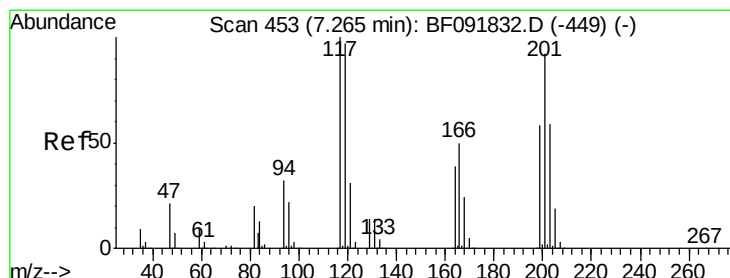
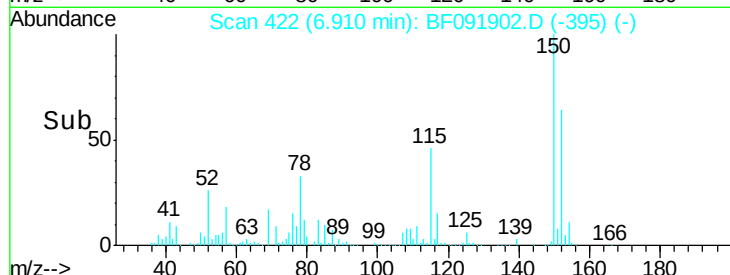
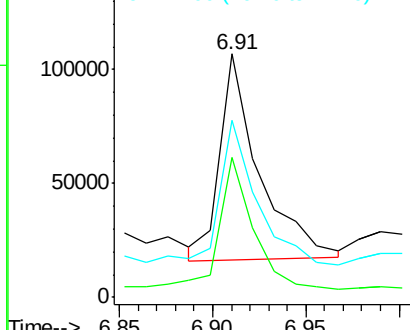
79 100

108 57.4 61.4 92.0#

77 72.6 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: 32.56 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.07 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

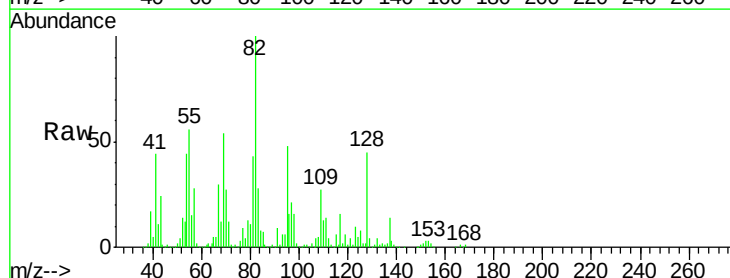
Tgt Ion: 117 Resp: 181616

Ion Ratio Lower Upper

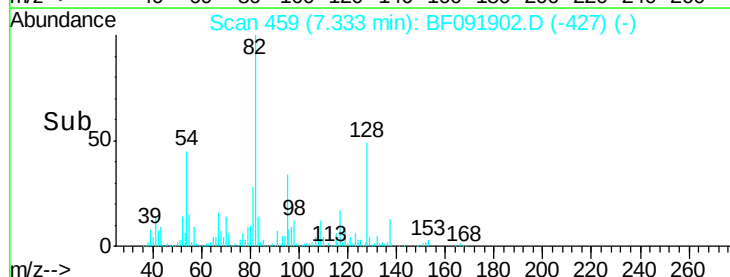
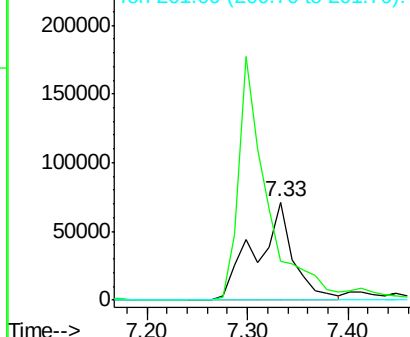
117 100

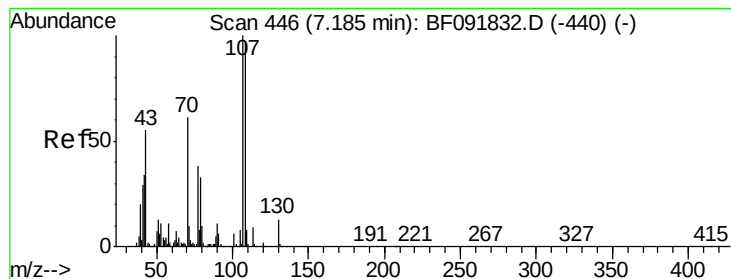
119 39.9 78.1 117.1#

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: 8.52 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

Tgt Ion: 70 Resp: 84189

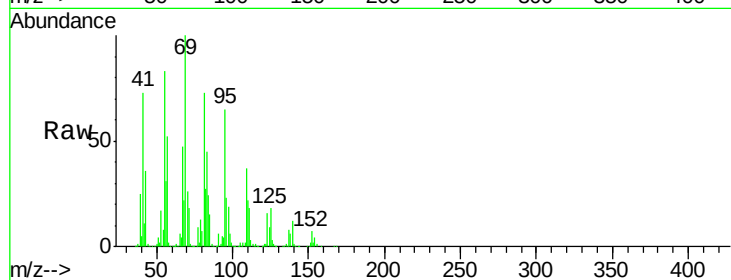
Ion Ratio Lower Upper

70 100

42 40.4 49.4 74.0#

101 0.3 7.4 11.2#

130 0.0 14.2 21.4#

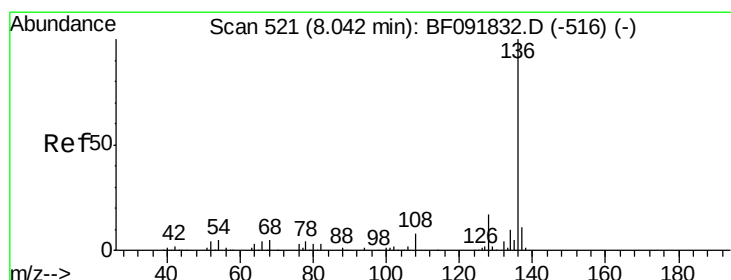
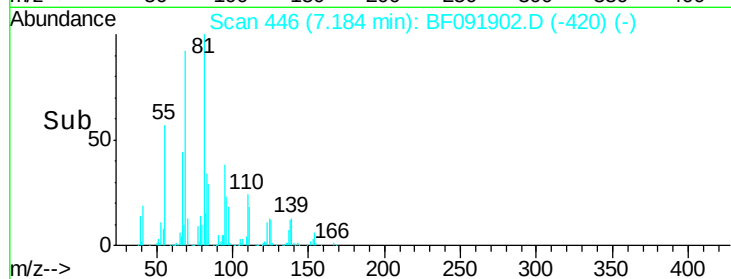
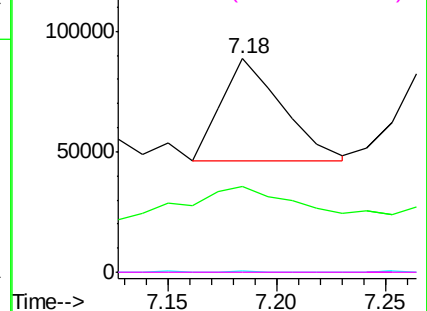


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.01 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Tgt Ion: 136 Resp: 754968

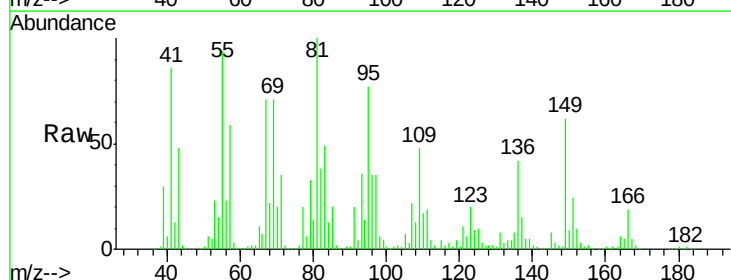
Ion Ratio Lower Upper

136 100

137 35.5 8.4 12.6#

54 35.2 4.5 6.7#

68 53.0 3.6 5.4#

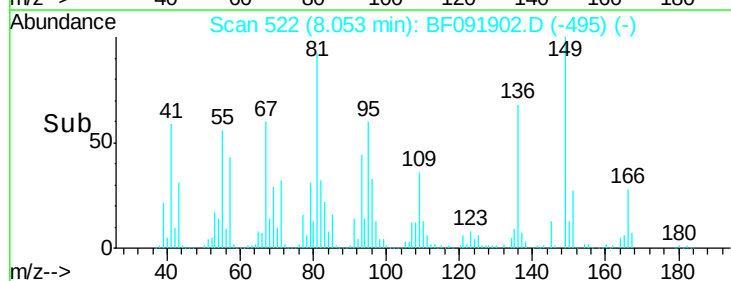
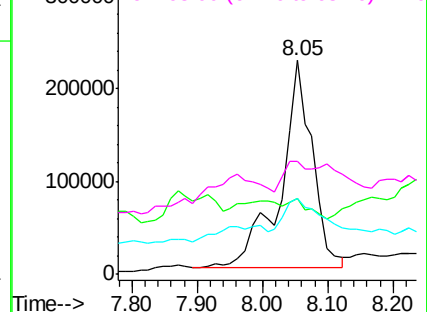


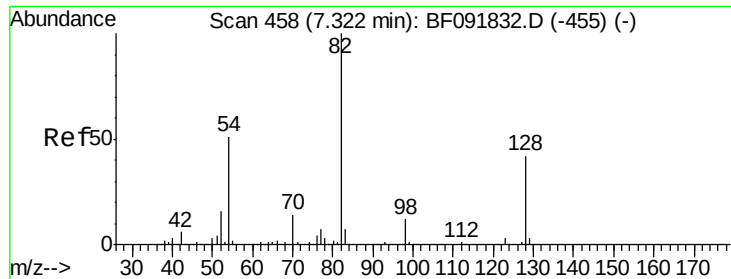
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

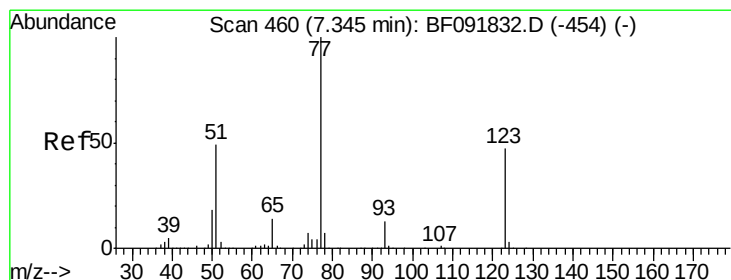
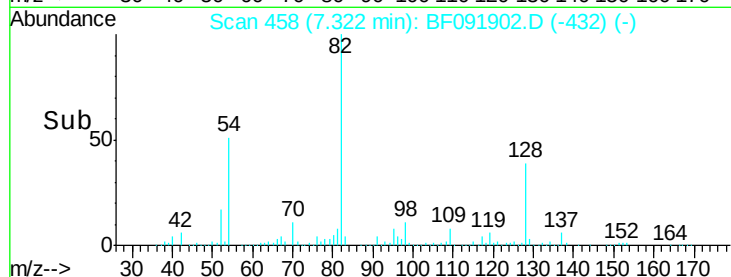
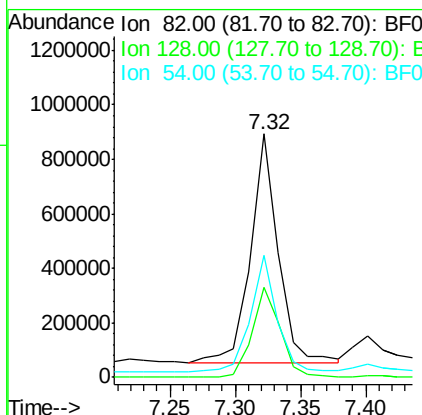
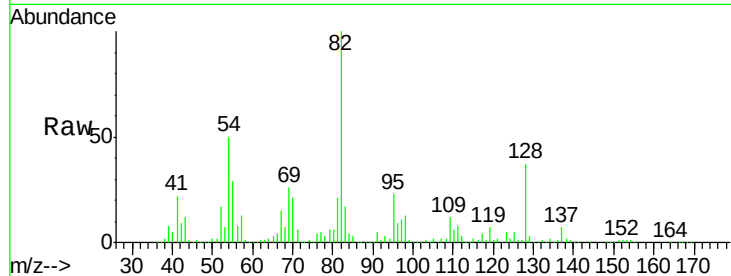




#23
Nitrobenzene-d5
Concen: 90.38 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

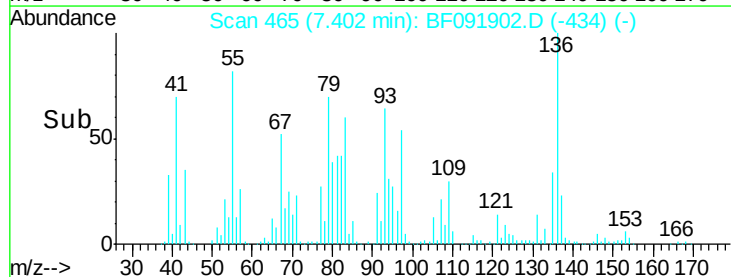
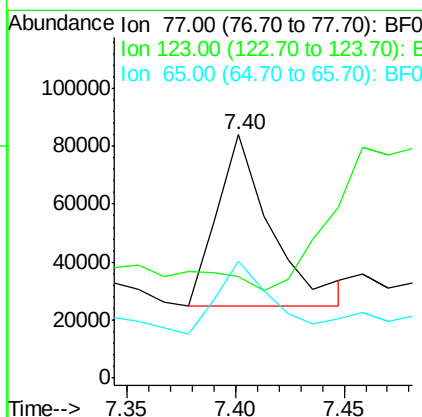
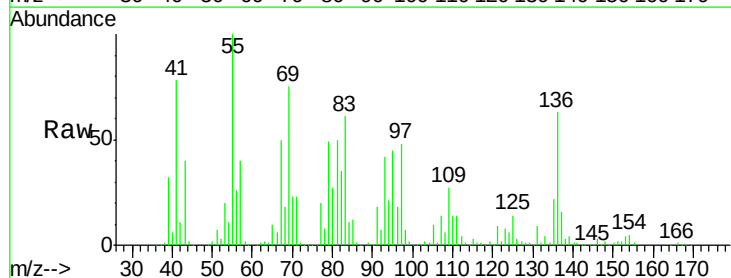
Instrument :
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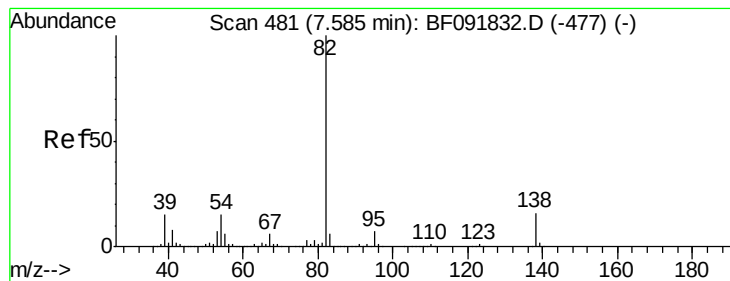
Tgt Ion: 82 Resp: 1227134
Ion Ratio Lower Upper
82 100
128 37.0 34.6 52.0
54 50.4 39.5 59.3



#24
Nitrobenzene
Concen: 7.11 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.06 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

Tgt Ion: 77 Resp: 102880
Ion Ratio Lower Upper
77 100
123 41.9 33.0 49.4
65 48.1 11.2 16.8#





#25

Isophorone

Concen: 15.05 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

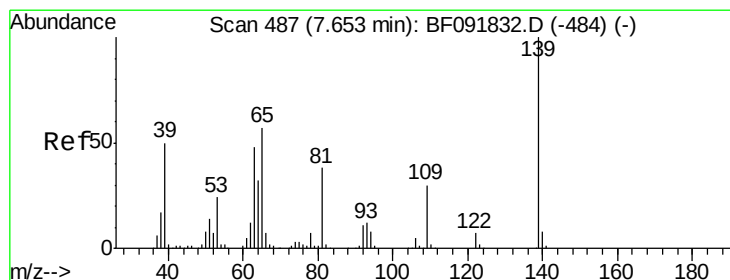
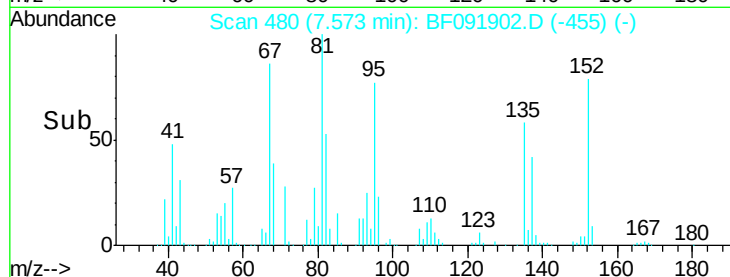
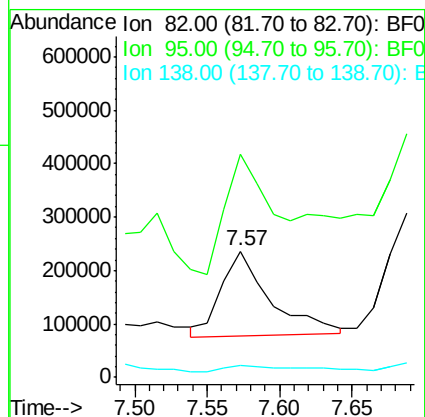
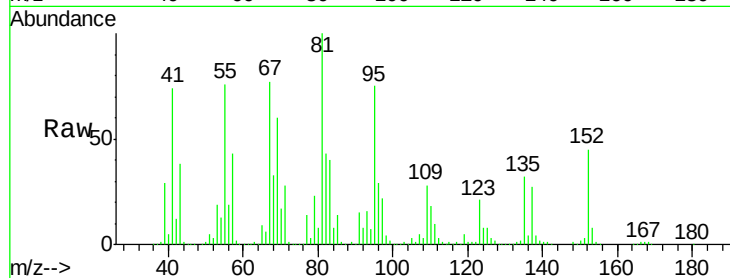
Tgt Ion: 82 Resp: 377005

Ion Ratio Lower Upper

82 100

95 176.8 5.6 8.4#

138 9.5 14.6 22.0#



#26

2-Nitrophenol

Concen: 2.11 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.03 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

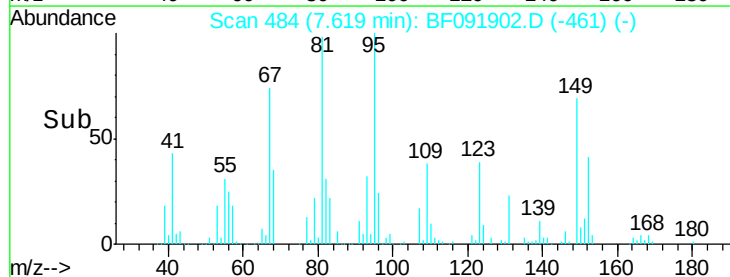
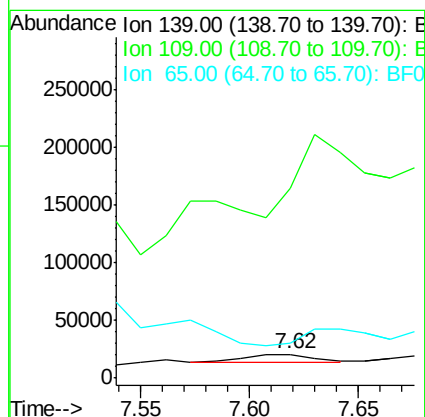
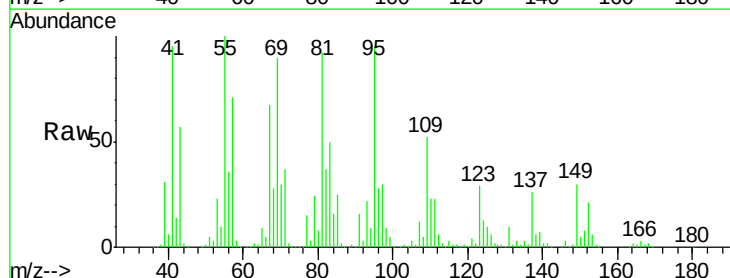
Tgt Ion: 139 Resp: 15082

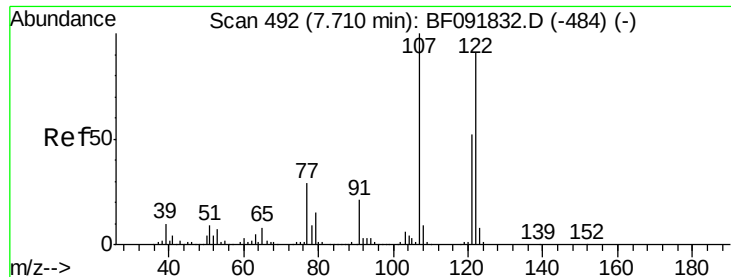
Ion Ratio Lower Upper

139 100

109 789.6 23.3 34.9#

65 143.8 42.7 64.1#

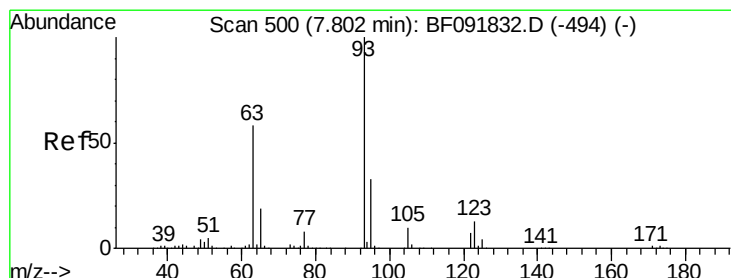
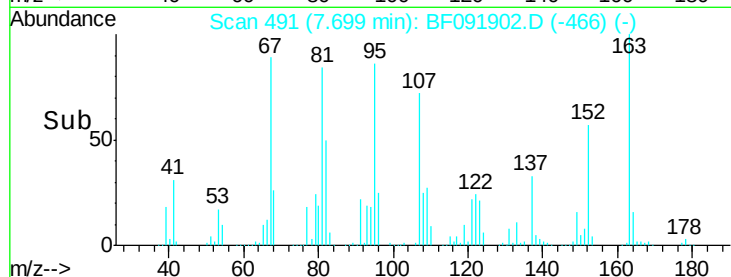
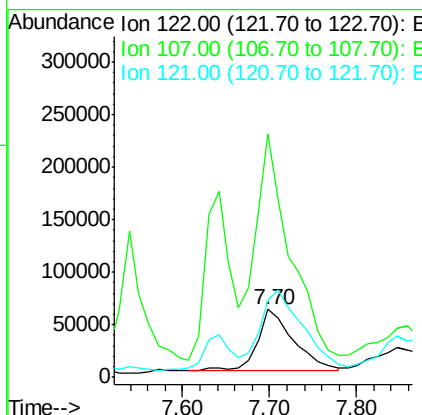
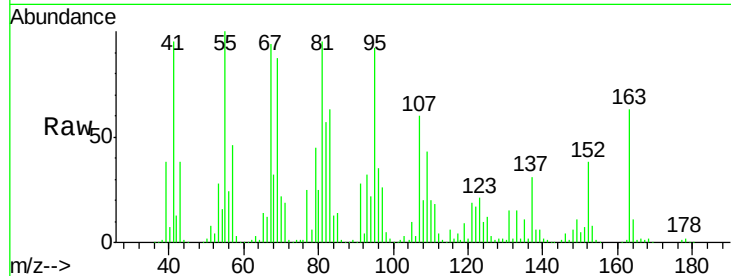




#27
 2,4-Dimethylphenol
 Concen: 14.64 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

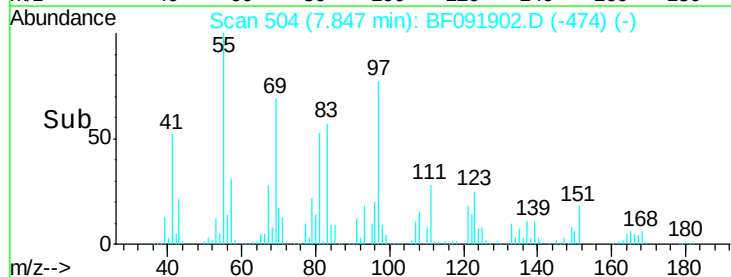
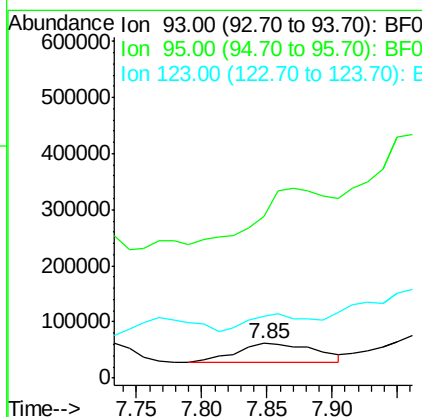
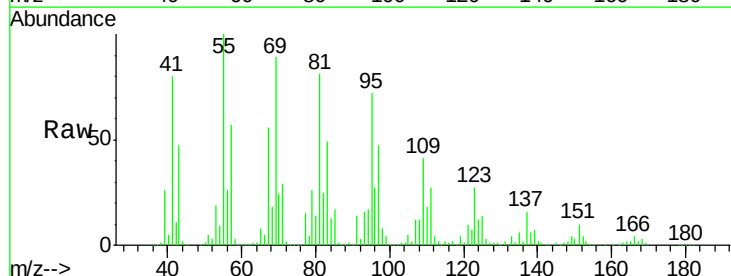
Instrument :
 BNA_F
 ClientSampleId :
 SB-51(6-8)-121916RE

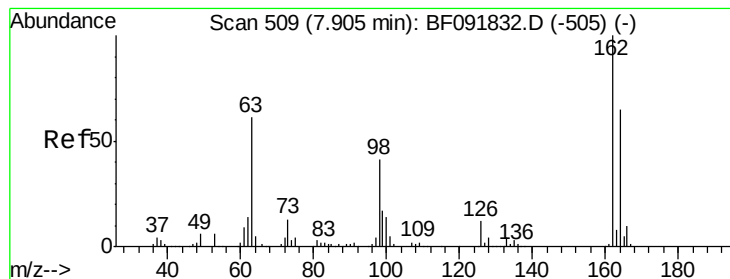
Tgt Ion: 122 Resp: 173178
 Ion Ratio Lower Upper
 122 100
 107 358.1 94.1 141.1#
 121 114.0 46.0 69.0#



#28
 bis(2-Chloroethoxy)methane
 Concen: 9.88 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.05 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

Tgt Ion: 93 Resp: 150009
 Ion Ratio Lower Upper
 93 100
 95 463.0 26.5 39.7#
 123 175.4 8.6 13.0#





#29

2,4-Dichlorophenol

Concen: 2.73 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

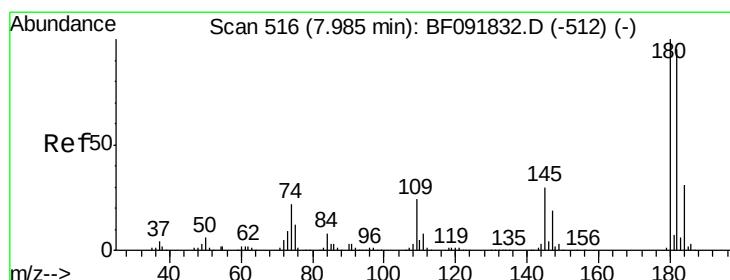
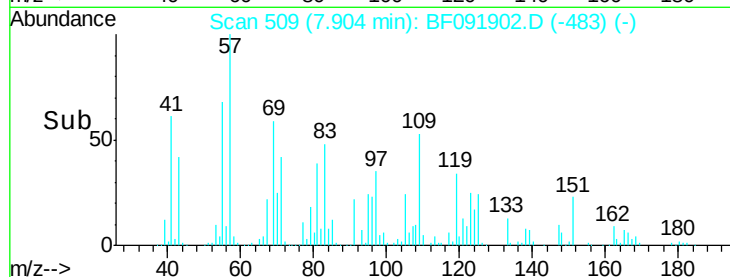
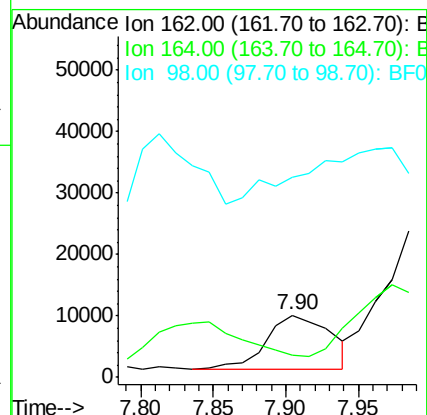
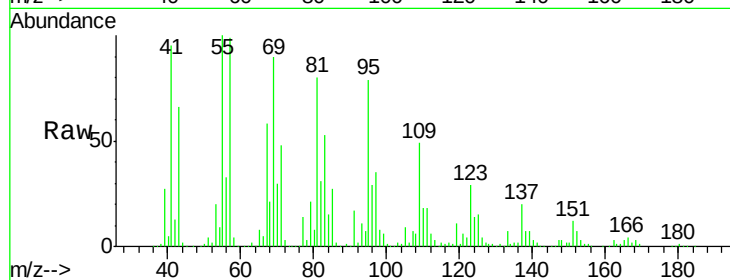
Tgt Ion:162 Resp: 27321

Ion Ratio Lower Upper

162 100

164 35.5 46.8 86.8#

98 320.6 9.1 49.1#



#30

1,2,4-Trichlorobenzene

Concen: 3.30 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.02 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

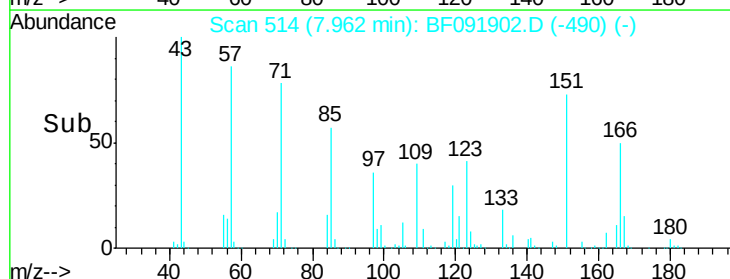
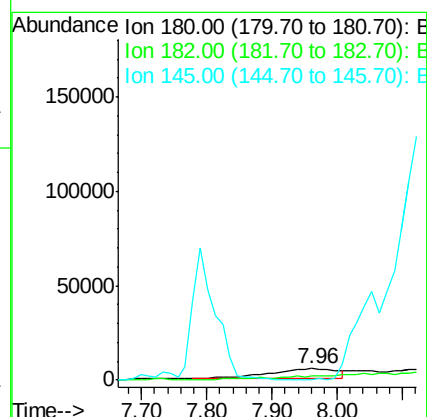
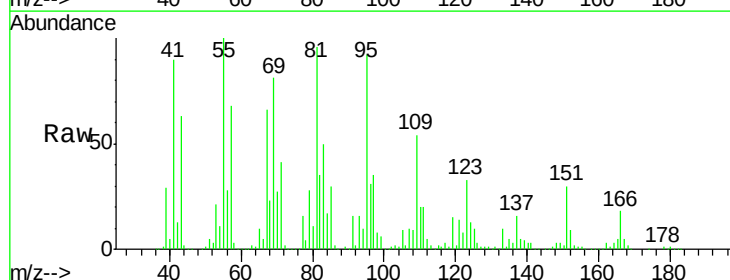
Tgt Ion:180 Resp: 36266

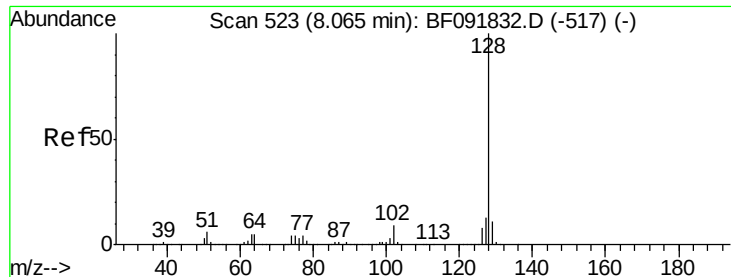
Ion Ratio Lower Upper

180 100

182 33.1 78.2 117.4#

145 7.7 21.6 32.4#

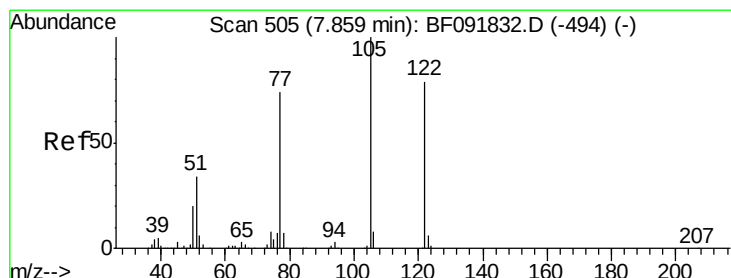
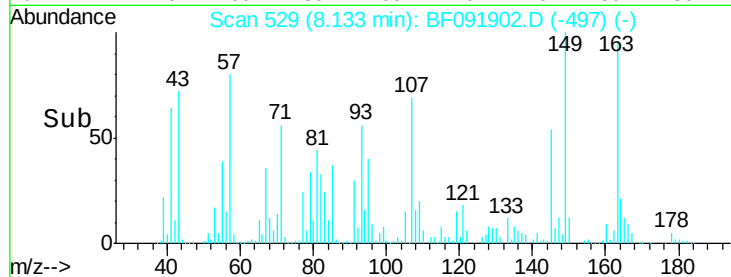
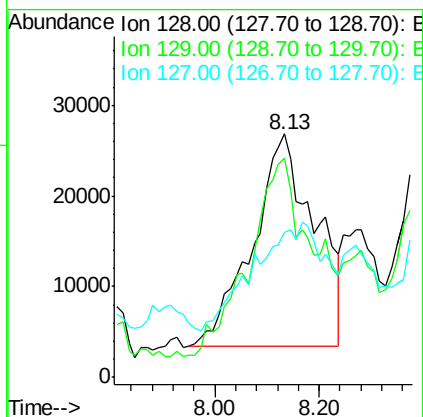
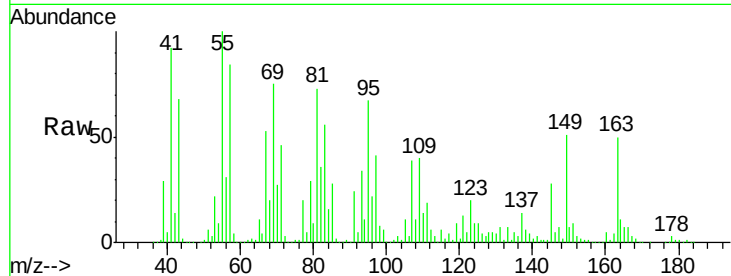




#31
Naphthalene
Concen: 5.60 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.07 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

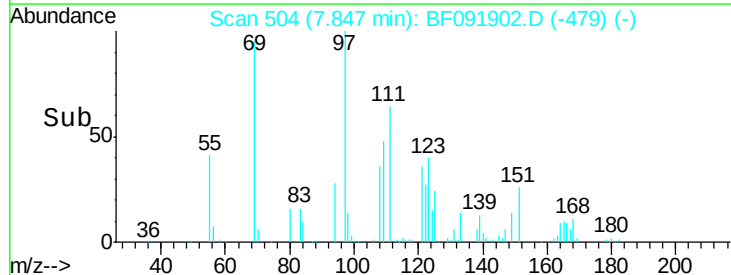
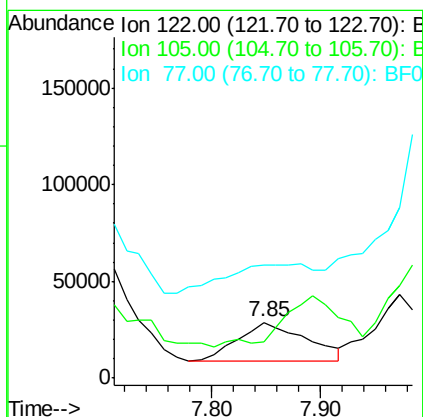
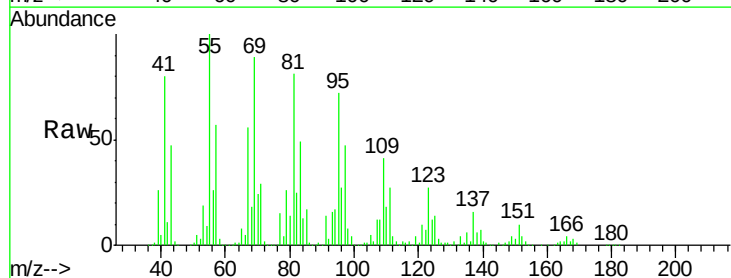
Instrument :
BNA_F
ClientSampleId :
SB-51(6-8)-121916RE

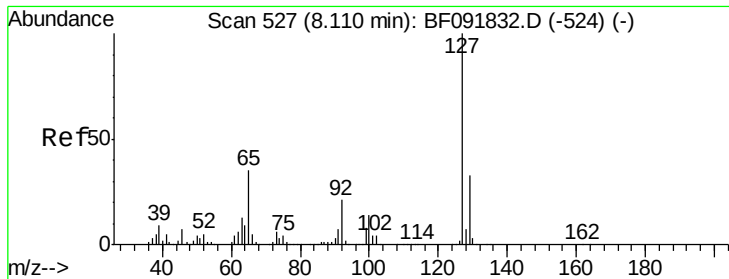
Tgt Ion:128 Resp: 193647
Ion Ratio Lower Upper
128 100
129 89.9 9.5 14.3#
127 59.4 10.8 16.2#



#32
Benzoic acid
Concen: 9.74 ng
RT: 7.85 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

Tgt Ion:122 Resp: 85455
Ion Ratio Lower Upper
122 100
105 65.2 107.2 147.2#
77 202.1 74.5 114.5#

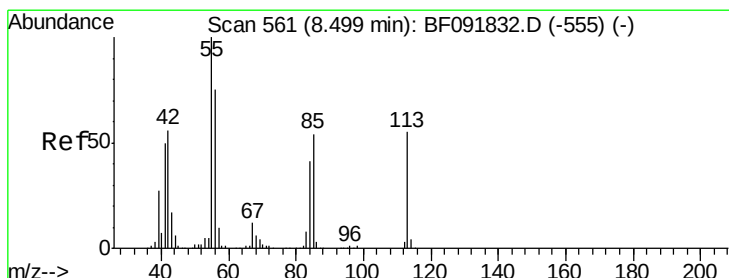
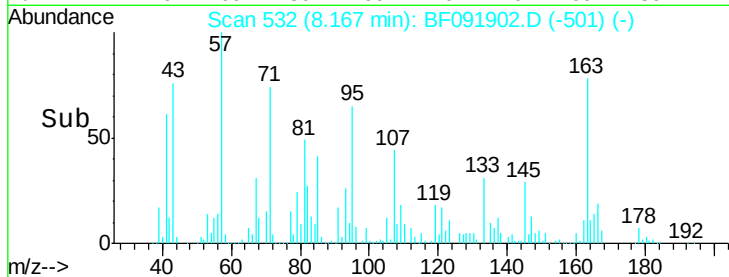
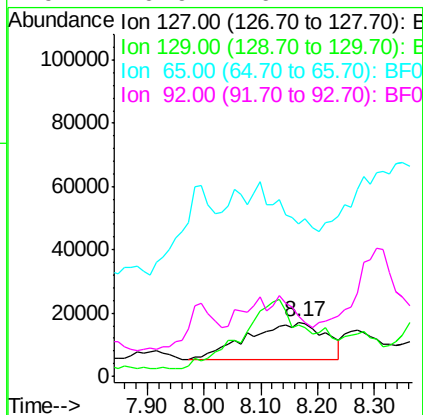
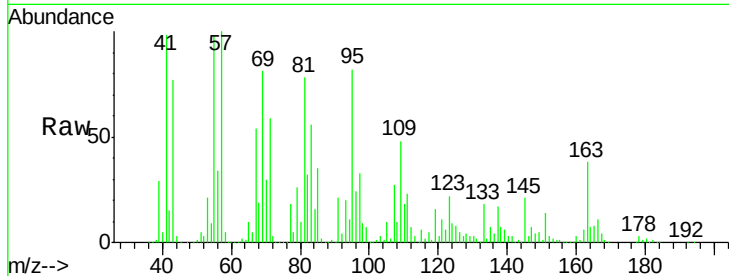




#33
4-Chloroaniline
Concen: 7.31 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.06 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

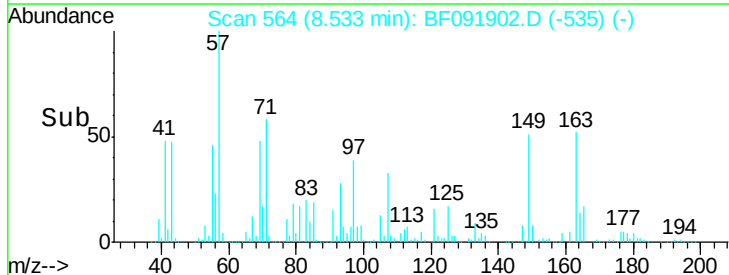
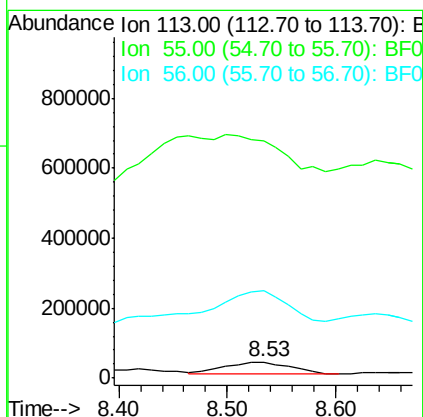
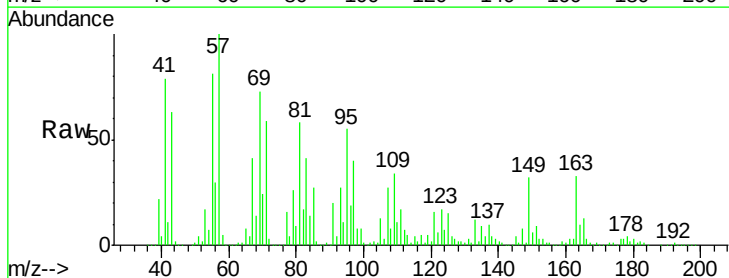
Instrument :
BNA_F
ClientSampleId :
SB-51(6-8)-121916RE

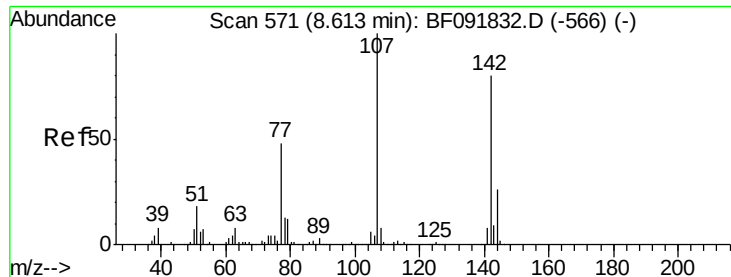
Tgt Ion:	127	Resp:	113839
Ion	Ratio	Lower	Upper
127	100		
129	95.4	26.3	39.5#
65	283.3	25.8	38.8#
92	110.9	16.1	24.1#



#35
Caprolactam
Concen: 42.02 ng
RT: 8.53 min Scan# 564
Delta R.T. 0.03 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

Tgt Ion:	113	Resp:	138304
Ion	Ratio	Lower	Upper
113	100		
55	1485.6	119.2	159.2#
56	546.2	83.8	123.8#

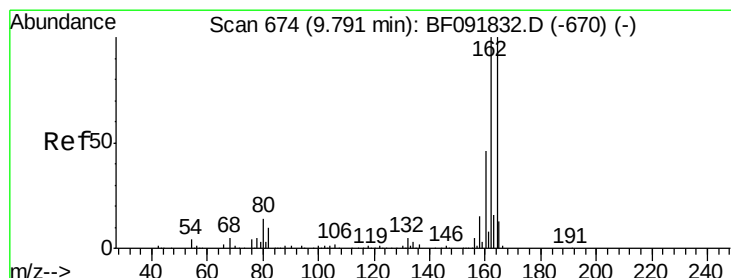
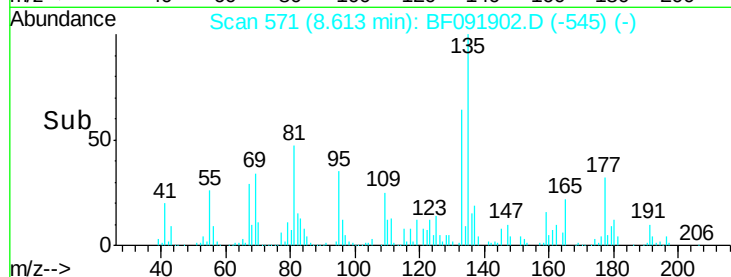
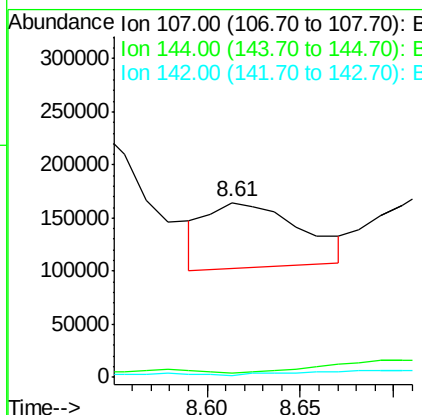
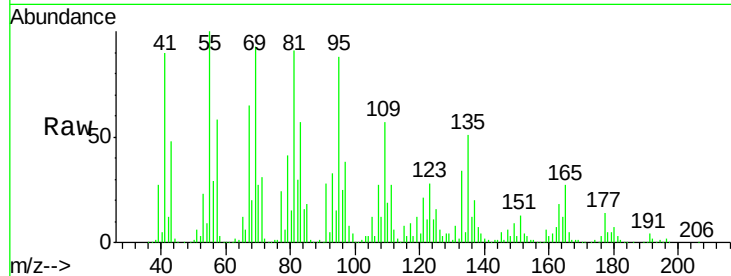




#36
 4-Chloro-3-methylphenol
 Concen: 18.58 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

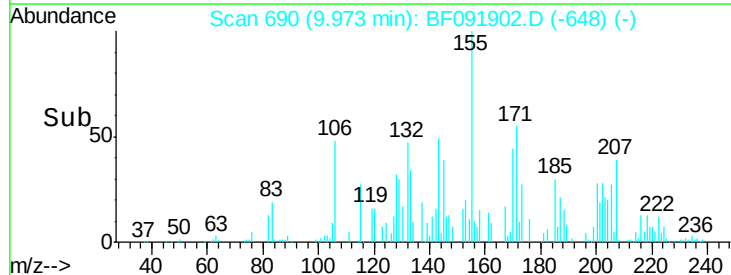
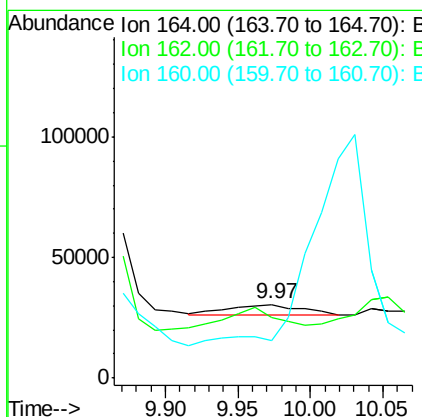
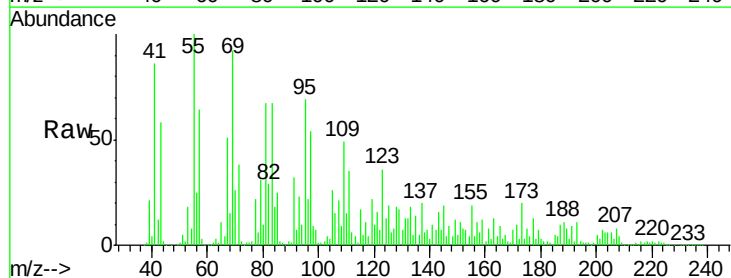
Instrument :
 BNA_F
 ClientSampleId :
 SB-51(6-8)-121916RE

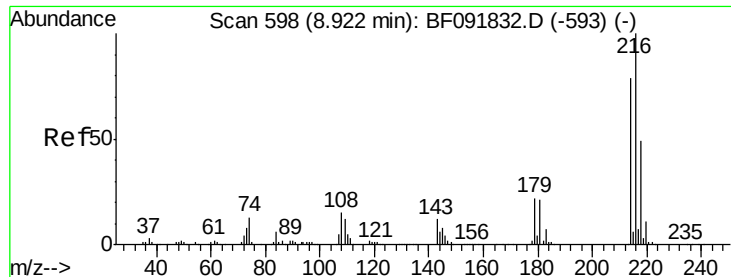
Tgt Ion:107 Resp: 214086
 Ion Ratio Lower Upper
 107 100
 144 2.6 19.3 28.9#
 142 1.3 59.0 88.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 690
 Delta R.T. 0.18 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

Tgt Ion:164 Resp: 15641
 Ion Ratio Lower Upper
 164 100
 162 82.1 80.2 120.2
 160 51.3 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 12.79 ng

RT: 9.21 min Scan# 623

Delta R.T. 0.29 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

Tgt Ion:216 Resp: 5053

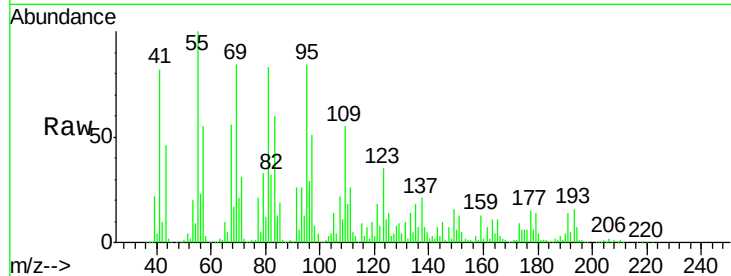
Ion Ratio Lower Upper

216 100

214 0.0 63.4 95.0#

179 0.0 17.4 26.2#

108 1238.3 15.6 23.4#

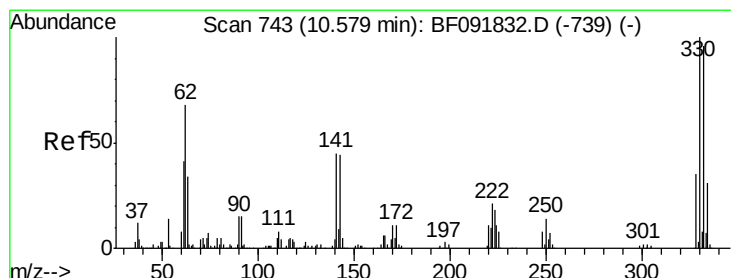
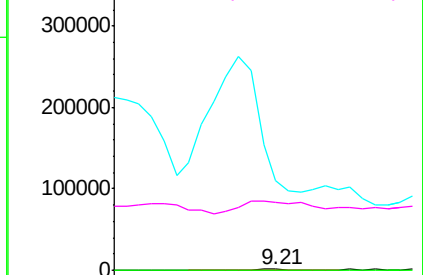
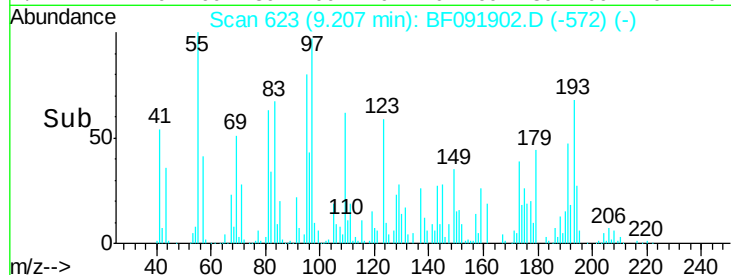


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 1560.31 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.08 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

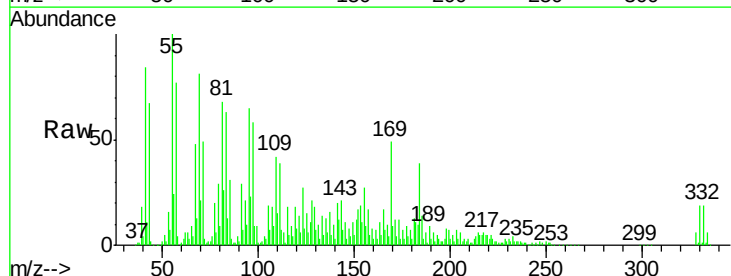
Tgt Ion:330 Resp: 201968

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

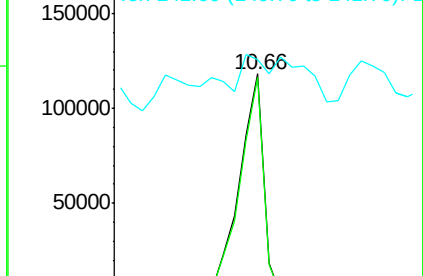
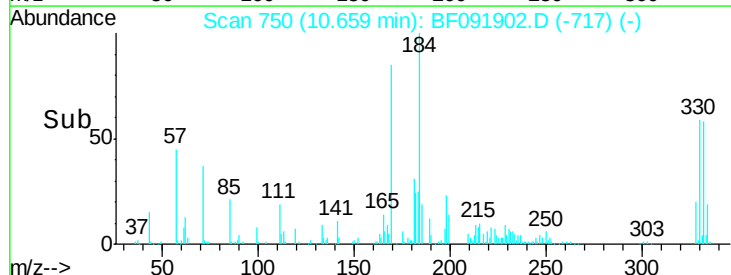
141 15.5 34.1 51.1#

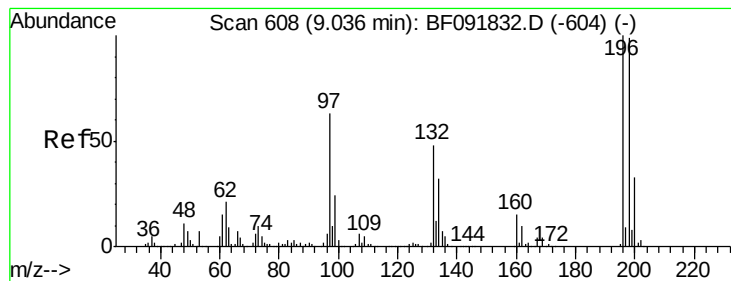


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 34.13 ng

RT: 9.23 min Scan# 625

Delta R.T. 0.19 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

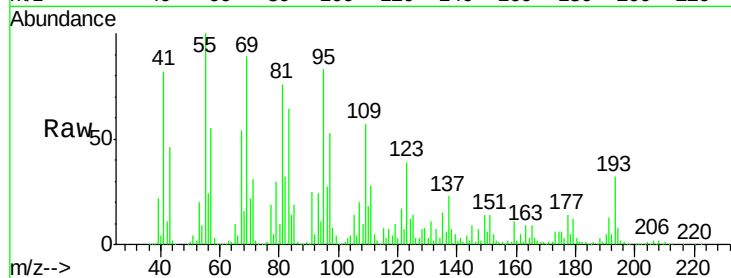
Tgt Ion:196 Resp: 9431

Ion Ratio Lower Upper

196 100

198 4.2 82.1 123.1#

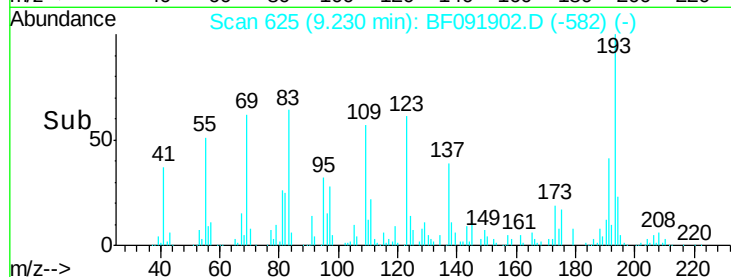
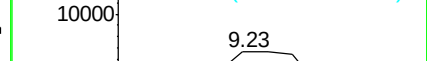
200 4.7 27.0 40.4#



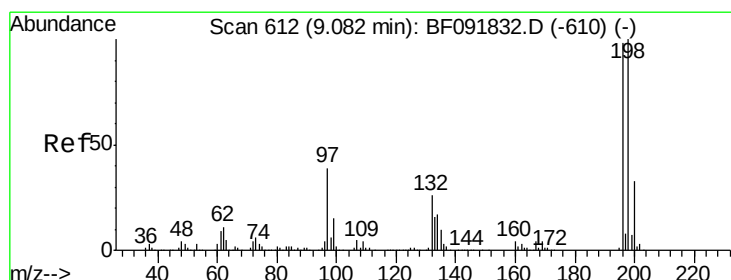
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



Time-->



#43

2,4,5-Trichlorophenol

Concen: 39.17 ng

RT: 9.23 min Scan# 625

Delta R.T. 0.15 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Tgt Ion:196 Resp: 11141

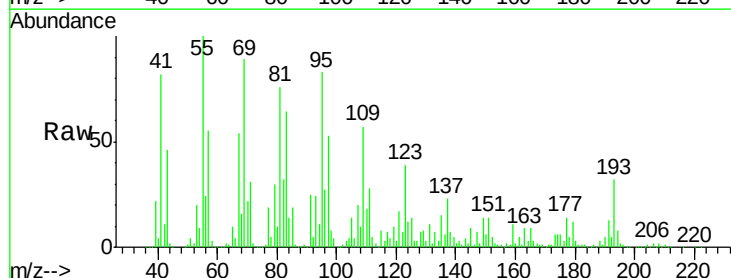
Ion Ratio Lower Upper

196 100

198 4.2 79.4 119.2#

97 5078.5 51.5 77.3#

132 213.5 27.4 41.2#

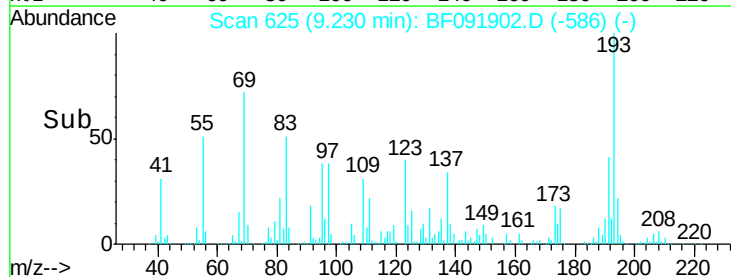


Abundance Ion 196.00 (195.70 to 196.70): E

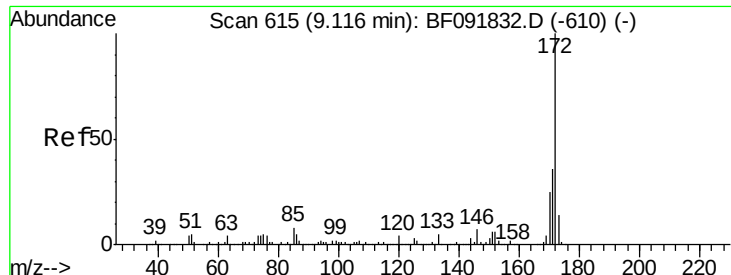
Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



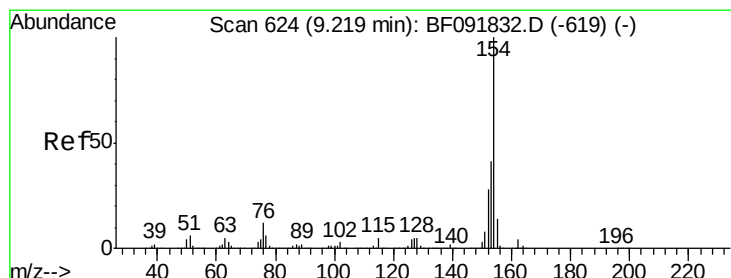
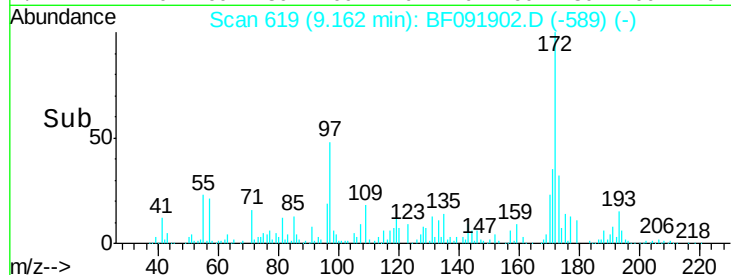
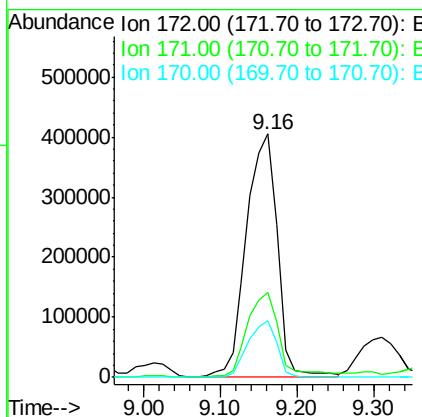
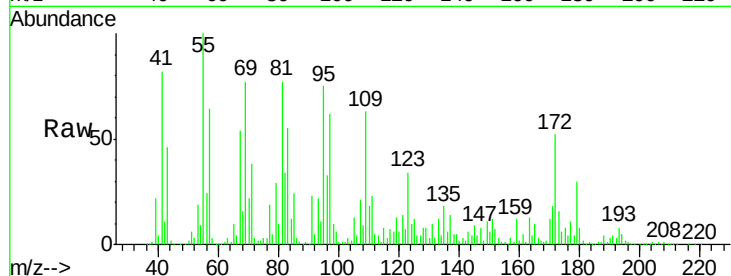
Time-->



#44
 2-Fluorobiphenyl
 Concen: 1712.10 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.05 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

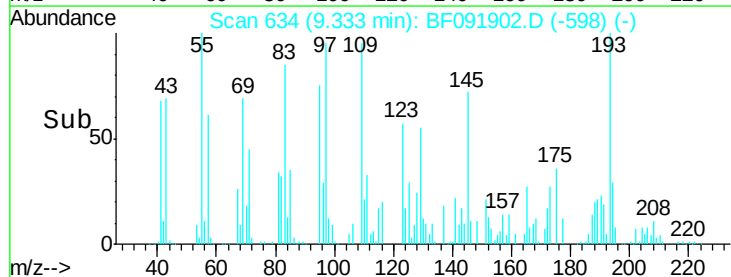
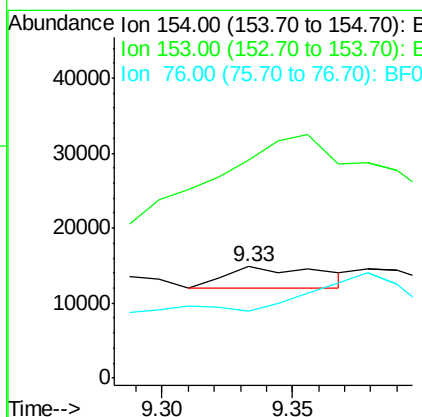
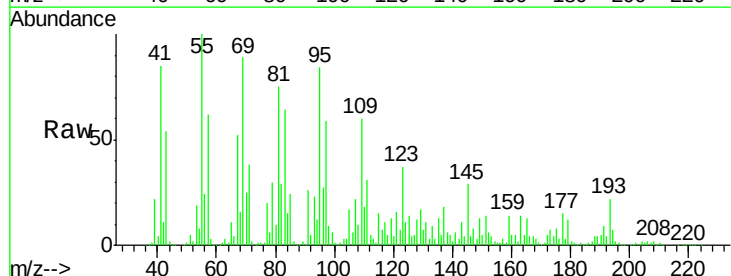
Instrument :
 BNA_F
 ClientSampleId :
 SB-51(6-8)-121916RE

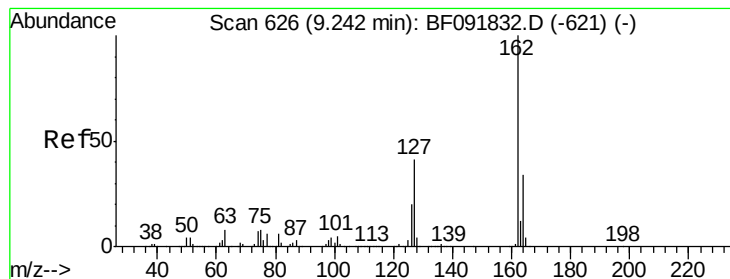
Tgt Ion:172 Resp: 1118475
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.4 44.0
 170 23.3 20.2 30.4



#45
 1,1'-Biphenyl
 Concen: 7.00 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.11 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

Tgt Ion:154 Resp: 7502
 Ion Ratio Lower Upper
 154 100
 153 194.6 20.9 60.9#
 76 59.4 0.0 30.5#





#46

2-Chloronaphthalene

Concen: 92.29 ng

RT: 9.44 min Scan# 643

Delta R.T. 0.19 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

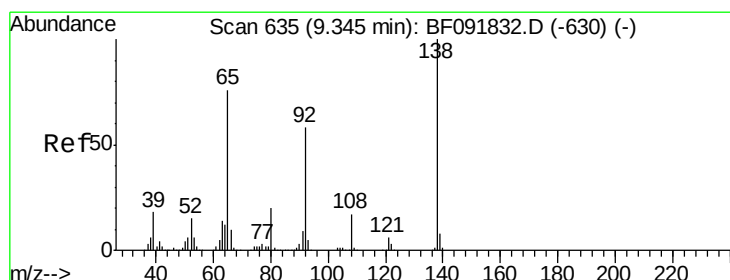
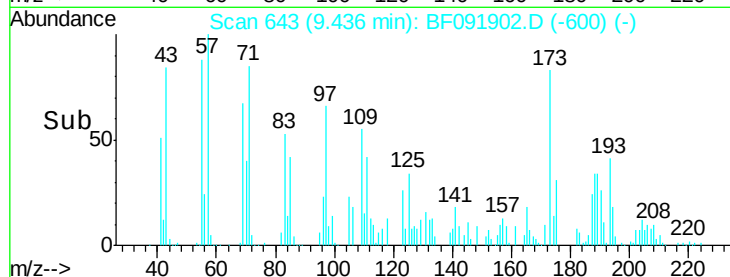
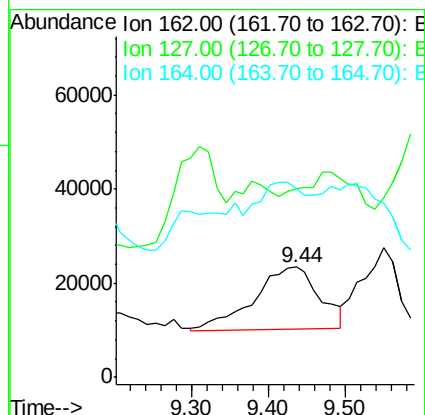
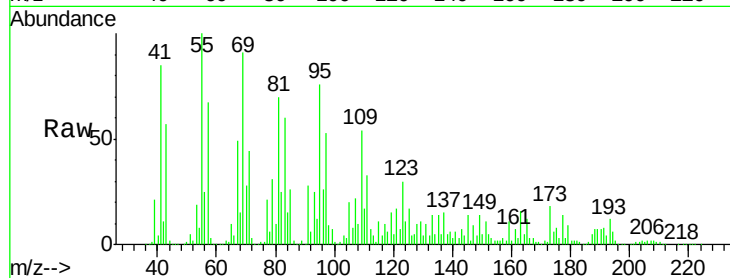
Tgt Ion: 162 Resp: 78269

Ion Ratio Lower Upper

162 100

127 171.3 30.7 46.1#

164 171.3 27.6 41.4#



#47

2-Nitroaniline

Concen: 141.56 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.19 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

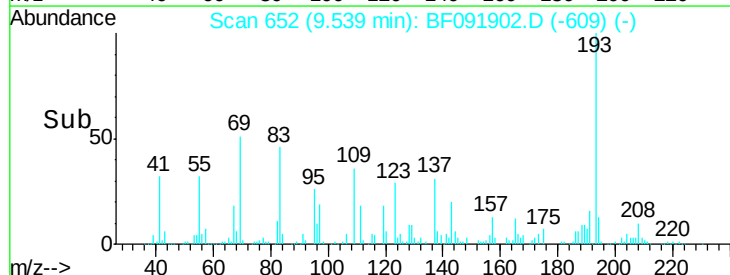
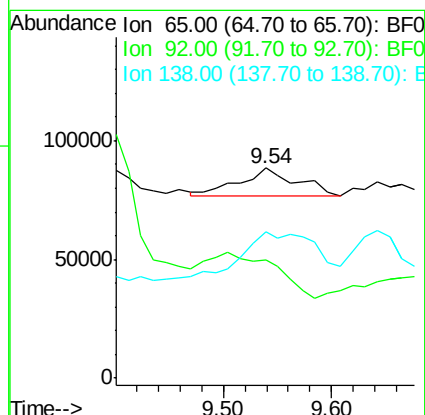
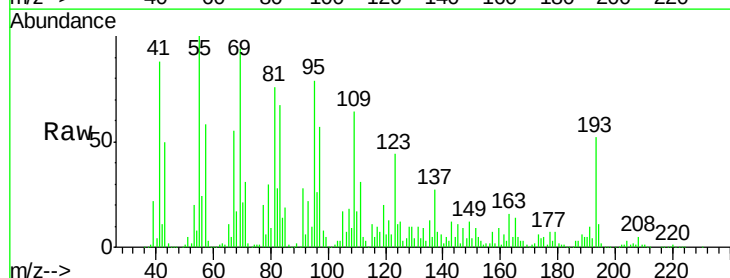
Tgt Ion: 65 Resp: 42747

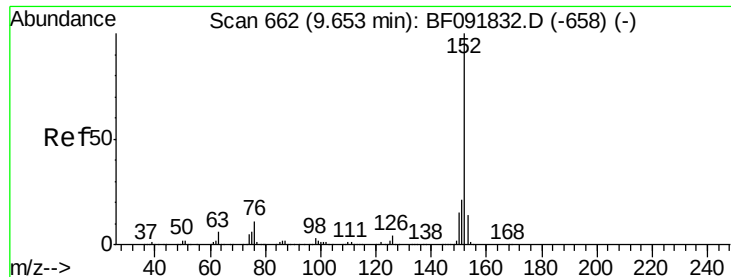
Ion Ratio Lower Upper

65 100

92 56.1 53.9 80.9

138 69.5 76.8 115.2#





#48

Acenaphthylene

Concen: 35.75 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.14 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

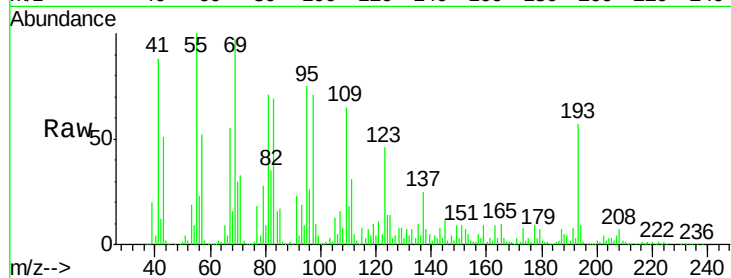
Tgt Ion:152 Resp: 46632

Ion Ratio Lower Upper

152 100

151 125.6 16.9 25.3#

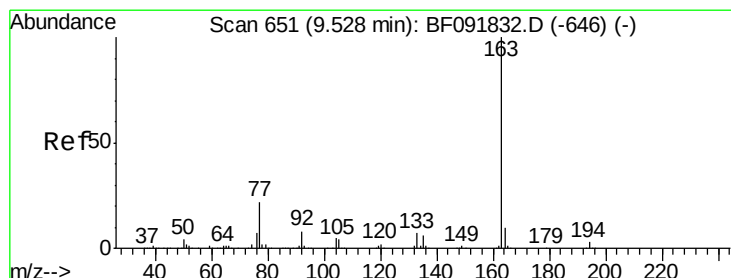
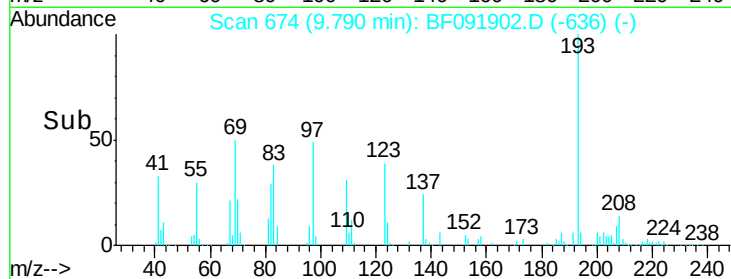
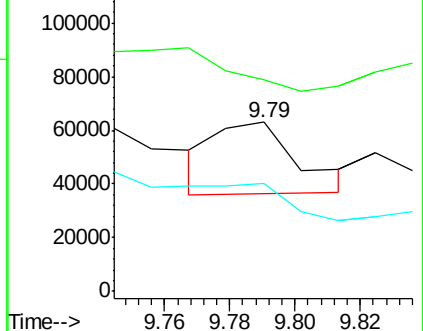
153 63.8 11.4 17.2#



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: 251.05 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.14 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

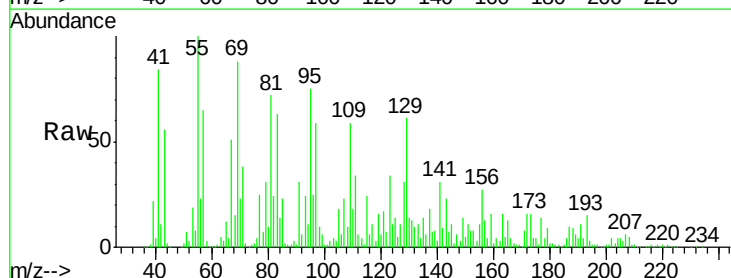
Tgt Ion:163 Resp: 251146

Ion Ratio Lower Upper

163 100

194 19.9 3.0 4.4#

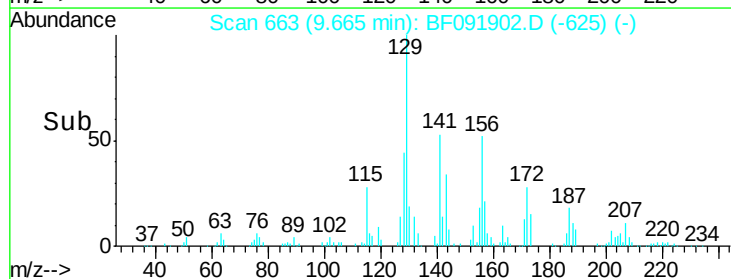
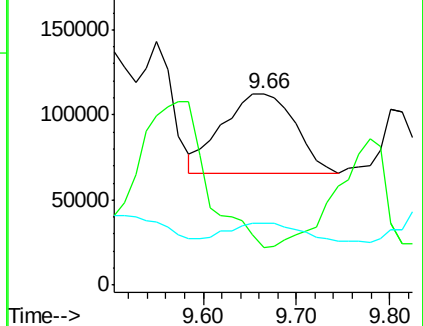
164 32.0 8.0 12.0#

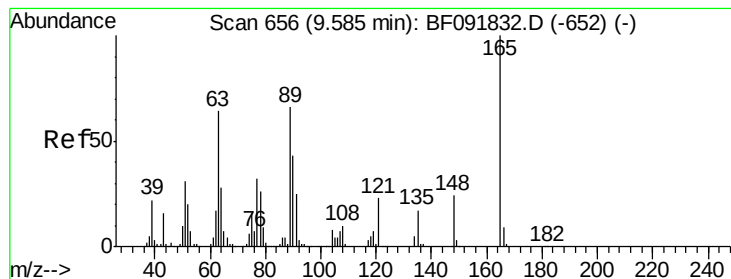


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 271.74 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.26 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

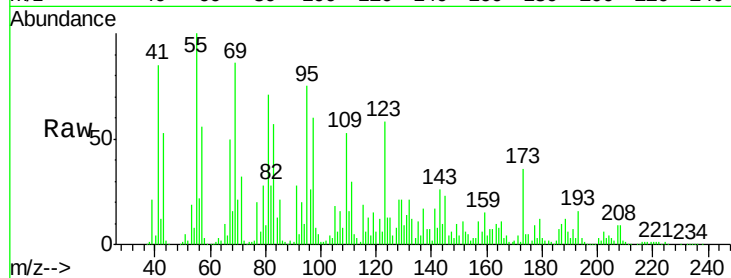
Tgt Ion:165 Resp: 59499

Ion Ratio Lower Upper

165 100

63 30.2 36.2 54.4#

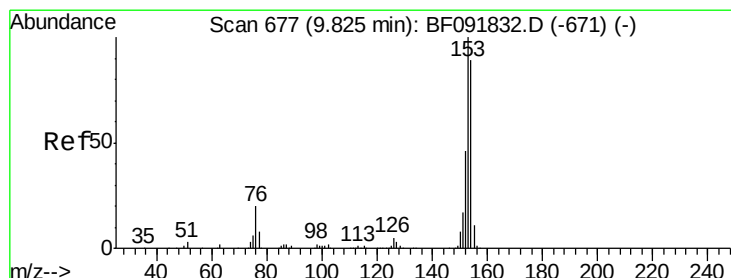
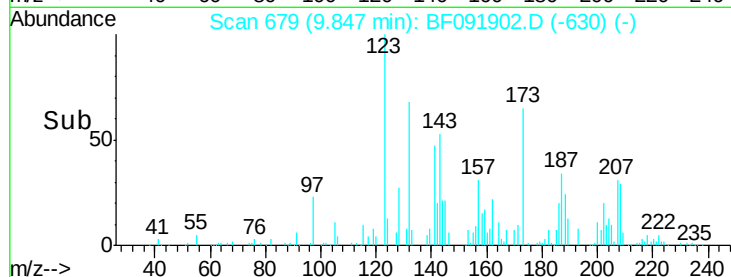
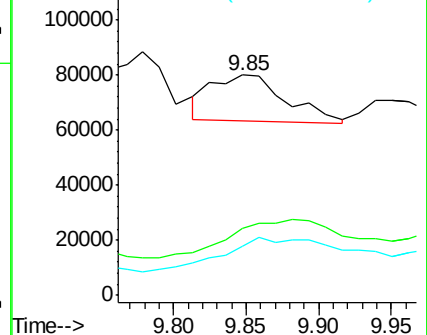
89 22.5 40.2 60.4#



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: 37.63 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.16 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

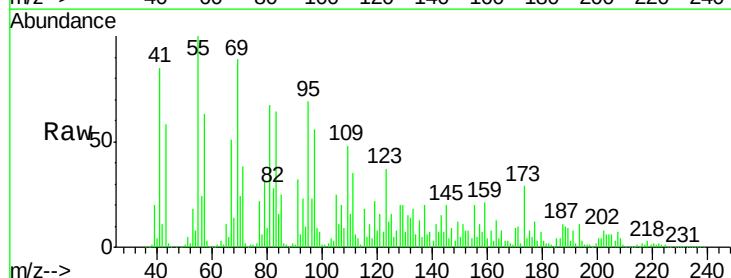
Tgt Ion:154 Resp: 33273

Ion Ratio Lower Upper

154 100

153 207.7 88.6 133.0#

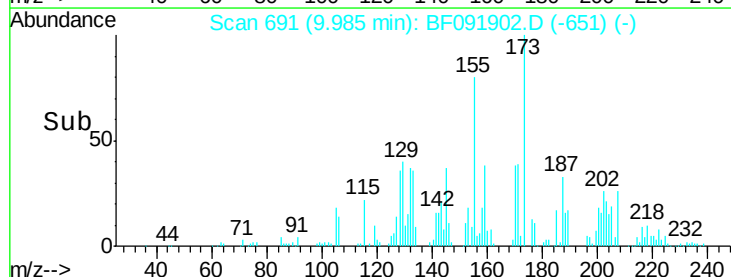
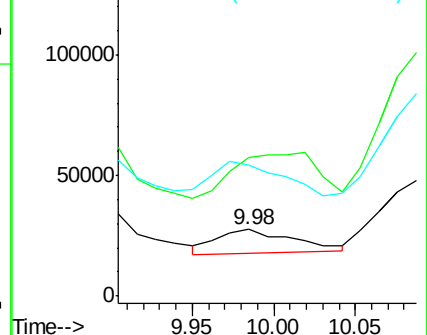
152 195.8 41.6 62.4#

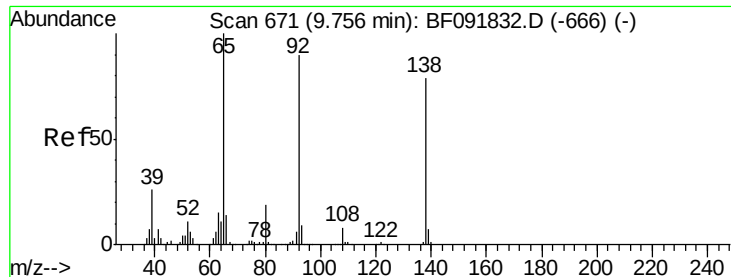


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 128.51 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.22 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

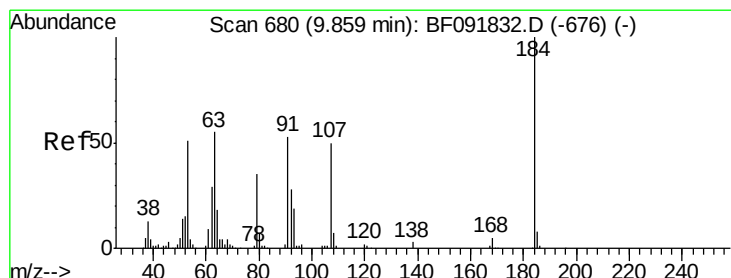
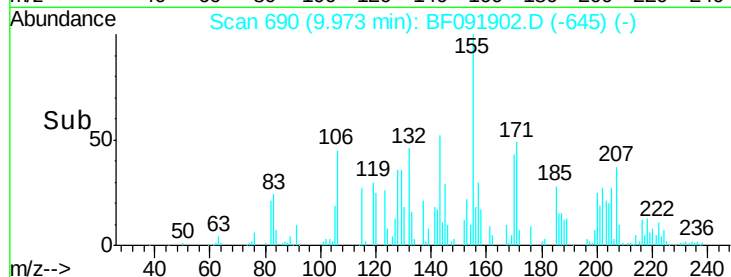
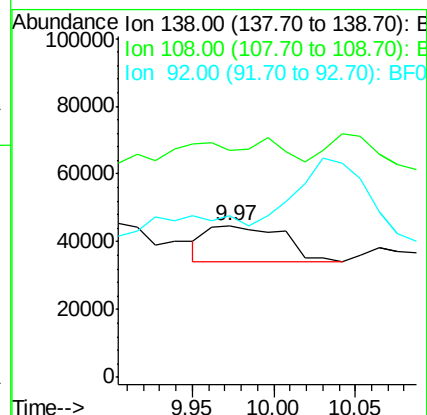
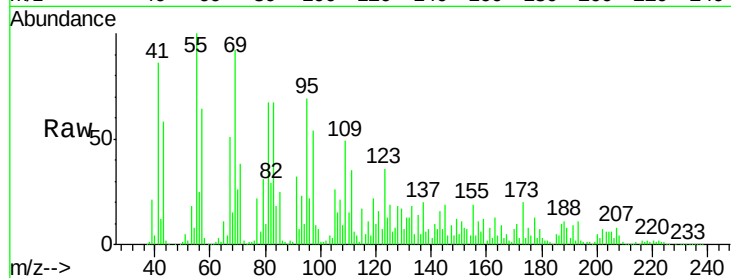
Tgt Ion:138 Resp: 34821

Ion Ratio Lower Upper

138 100

108 150.1 8.5 12.7#

92 106.3 97.8 146.8



#53

2,4-Dinitrophenol

Concen: 262.46 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.22 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

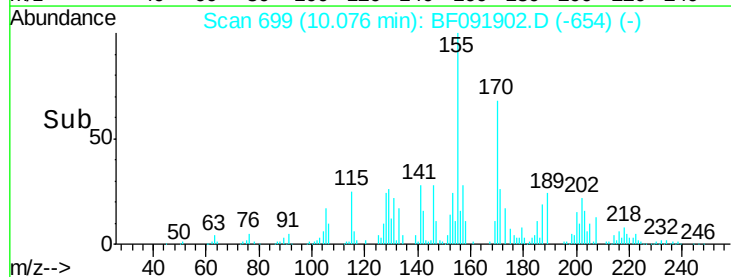
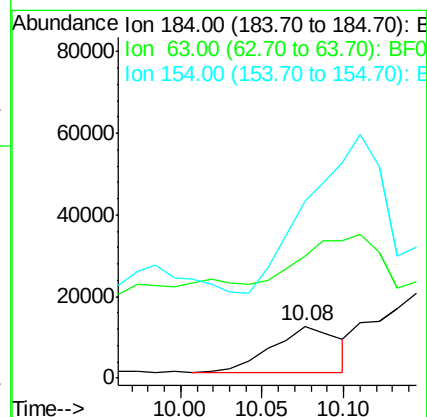
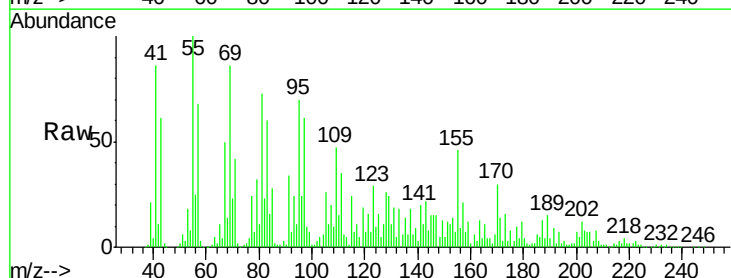
Tgt Ion:184 Resp: 31976

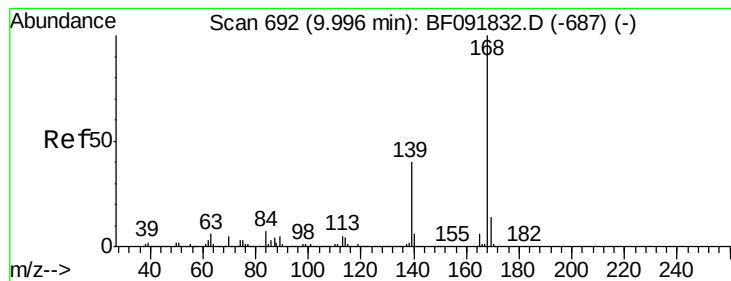
Ion Ratio Lower Upper

184 100

63 234.1 28.4 42.6#

154 341.1 44.3 66.5#





#54

Dibenzofuran

Concen: 5.60 ng

RT: 10.19 min Scan# 709

Delta R.T. 0.19 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

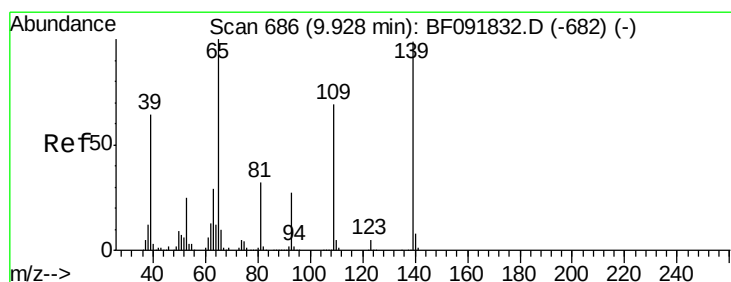
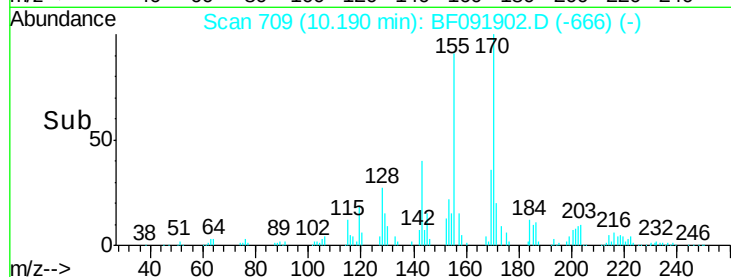
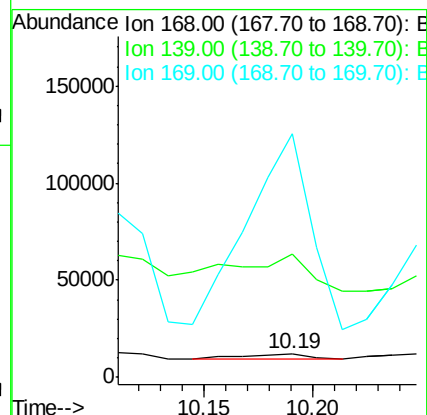
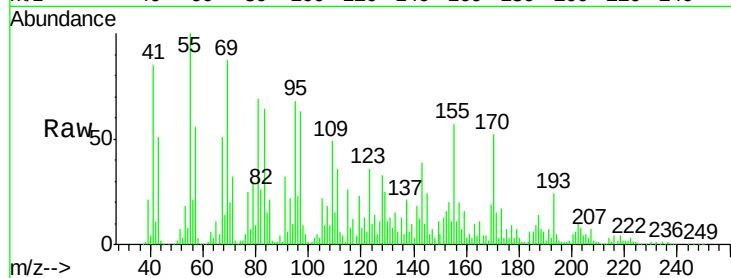
Tgt Ion:168 Resp: 6685

Ion Ratio Lower Upper

168 100

139 514.7 32.6 49.0#

169 1018.1 11.3 16.9#



#55

4-Nitrophenol

Concen: 387.33 ng

RT: 10.11 min Scan# 702

Delta R.T. 0.18 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

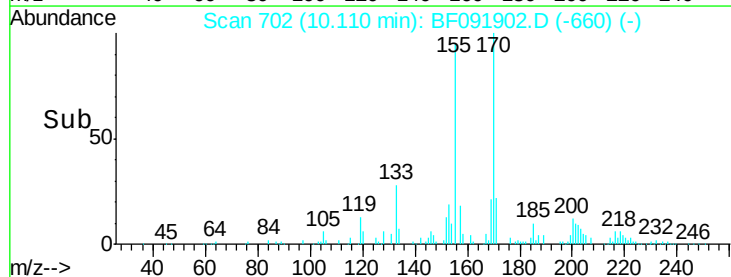
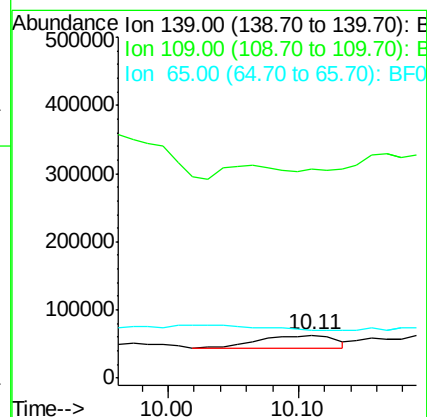
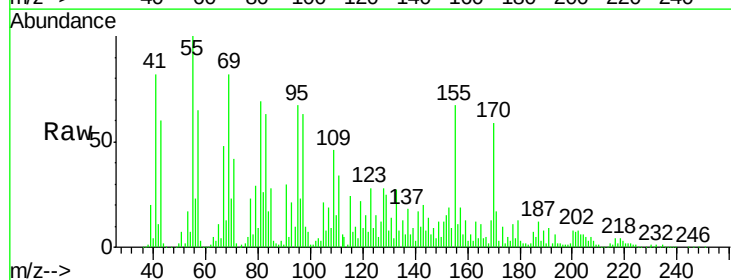
Tgt Ion:139 Resp: 71263

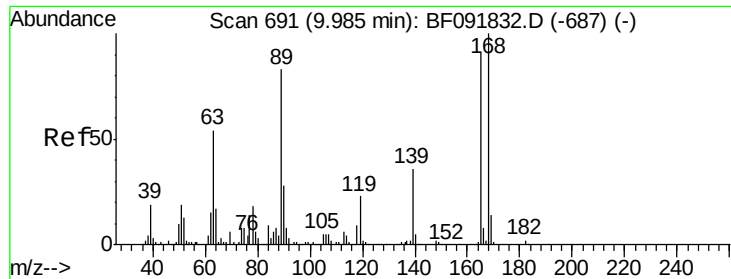
Ion Ratio Lower Upper

139 100

109 489.4 52.2 92.2#

65 112.9 85.8 125.8

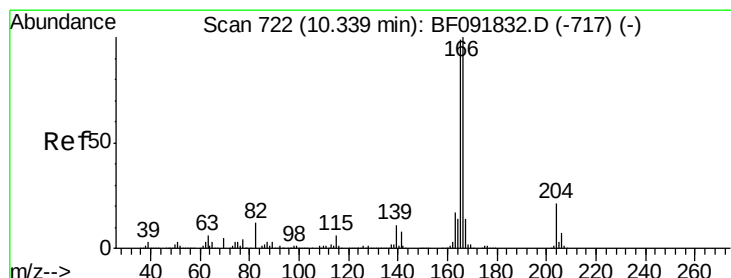
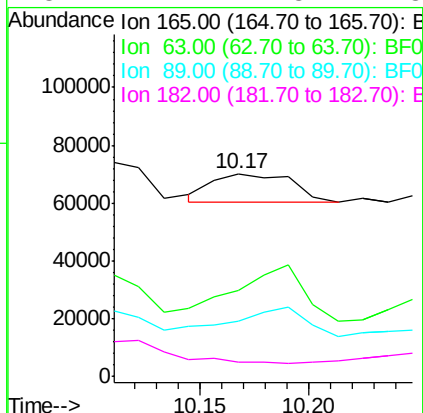
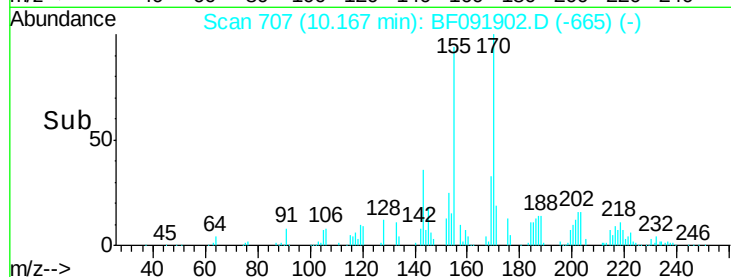
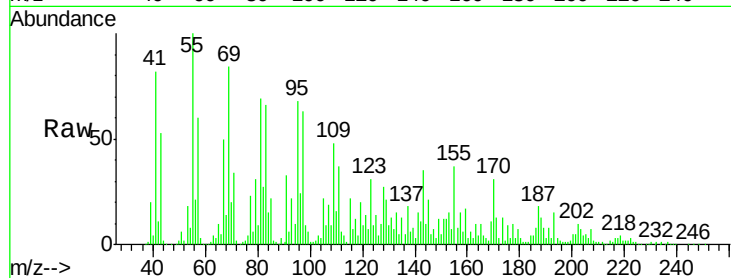




#56
2,4-Dinitrotoluene
Concen: 93.49 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.18 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

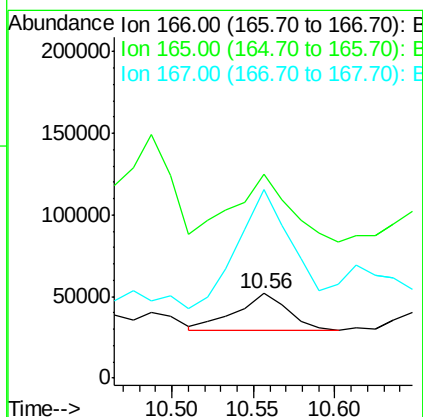
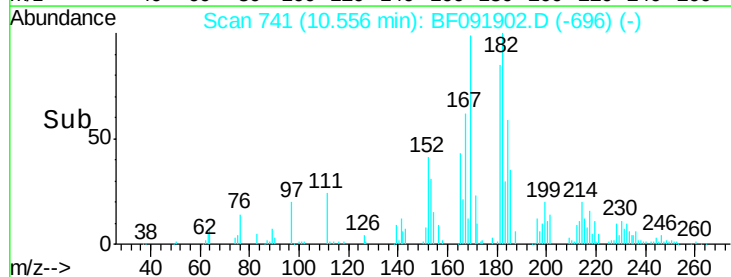
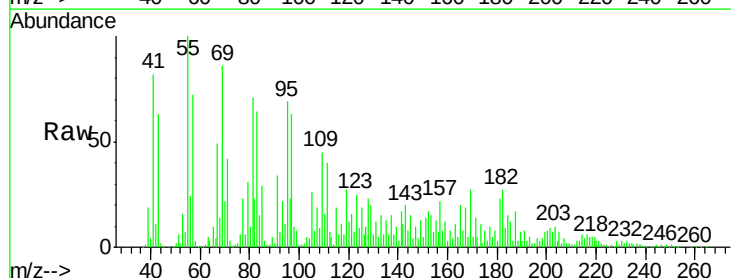
Instrument :
BNA_F
ClientSampleId :
SB-51(6-8)-121916RE

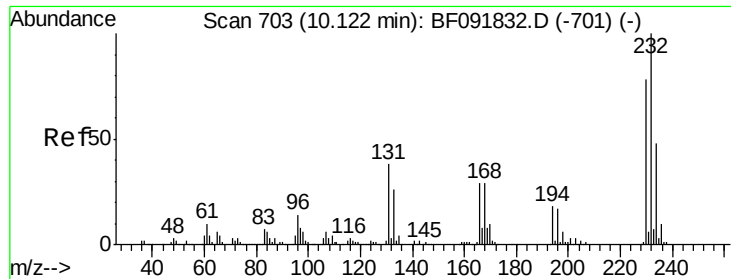
Tgt Ion:165 Resp: 25693
Ion Ratio Lower Upper
165 100
63 42.1 40.2 60.4
89 27.4 62.5 93.7#
182 7.2 1.8 2.8#



#57
Fluorene
Concen: 58.15 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.22 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

Tgt Ion:166 Resp: 50521
Ion Ratio Lower Upper
166 100
165 241.6 77.8 116.8#
167 223.6 10.8 16.2#

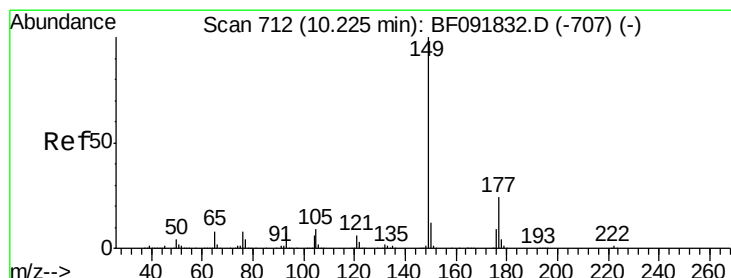
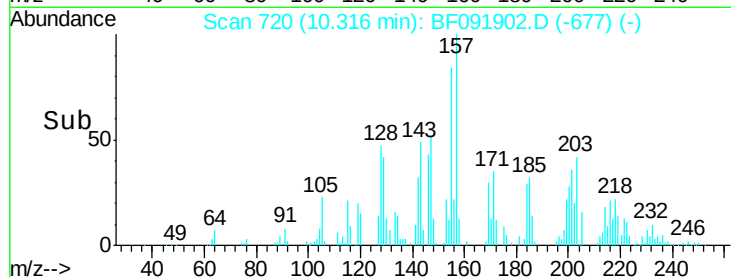
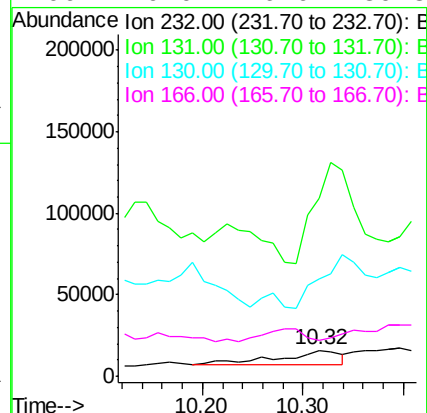
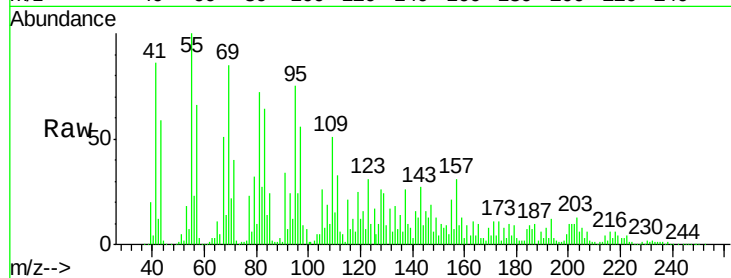




#58
2,3,4,6-Tetrachlorophenol
Concen: 152.96 ng
RT: 10.32 min Scan# 720
Delta R.T. 0.19 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

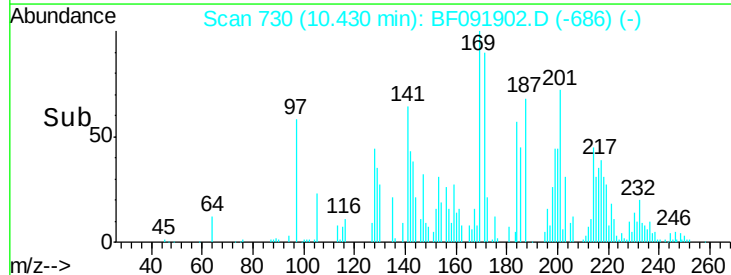
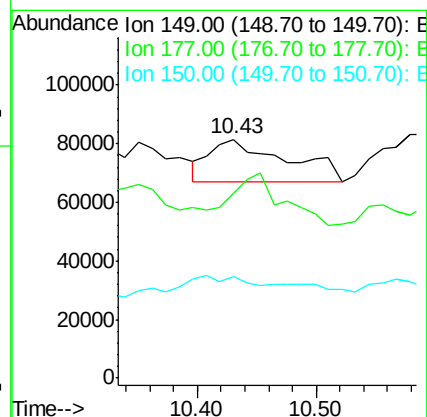
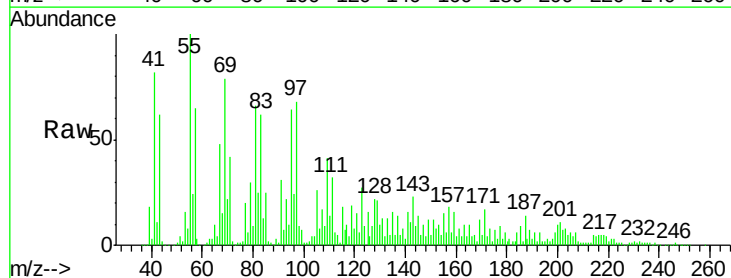
Instrument :
BNA_F
ClientSampleId :
SB-51(6-8)-121916RE

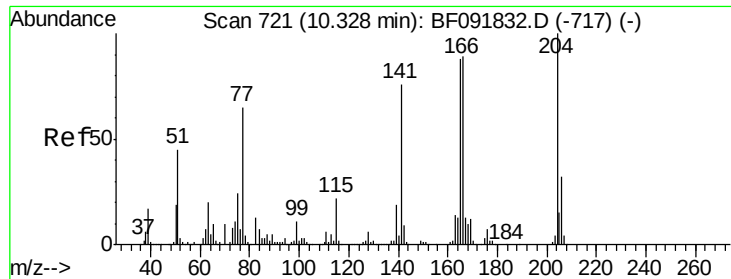
Tgt Ion: 232 Resp: 34408
Ion Ratio Lower Upper
232 100
131 0.0 40.1 60.1#
130 0.0 1.8 2.8#
166 0.0 26.6 39.8#



#59
Diethylphthalate
Concen: 65.98 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.21 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

Tgt Ion: 149 Resp: 64105
Ion Ratio Lower Upper
149 100
177 77.1 16.6 25.0#
150 42.3 10.4 15.6#

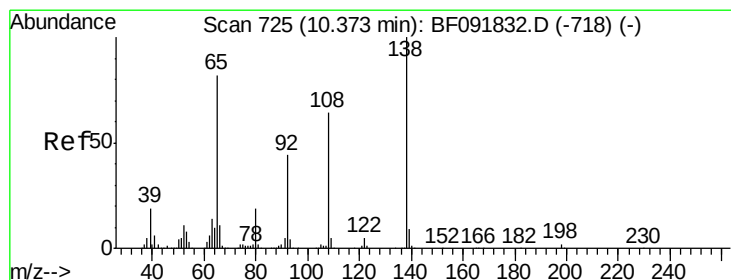
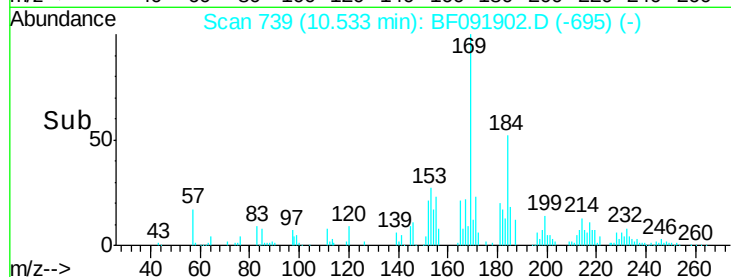
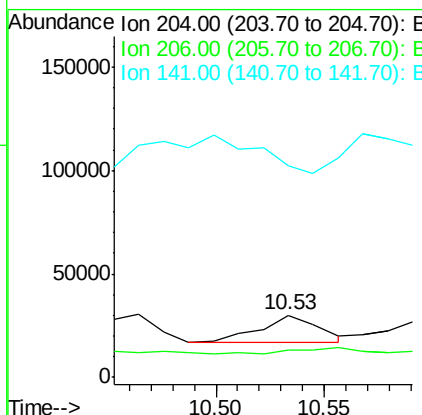
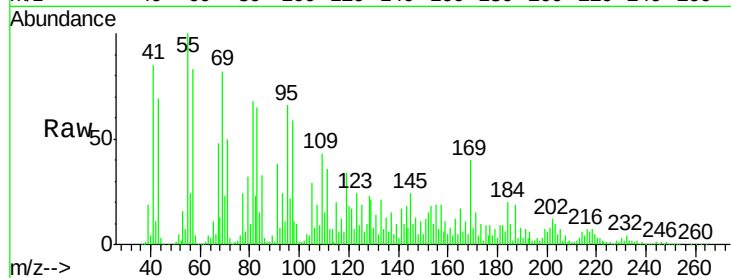




#60
4-Chlorophenyl-phenylether
Concen: 65.43 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.21 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

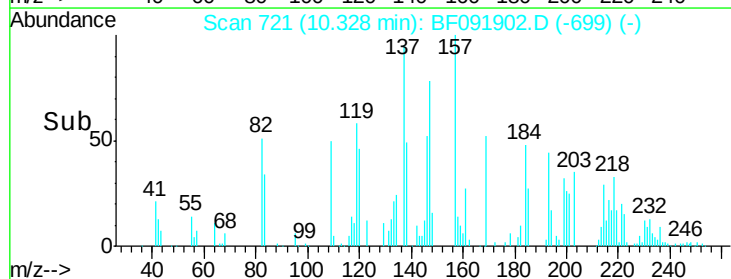
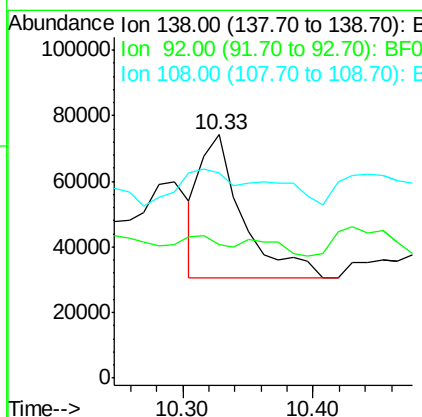
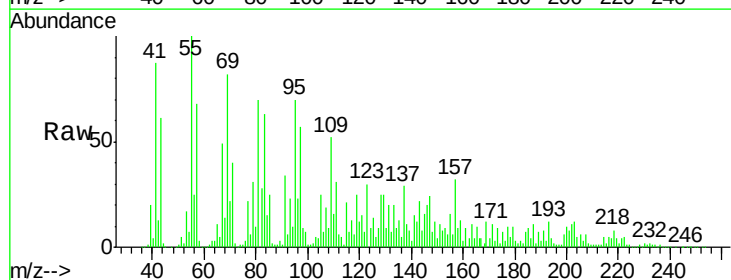
Instrument :
BNA_F
ClientSampleId :
SB-51(6-8)-121916RE

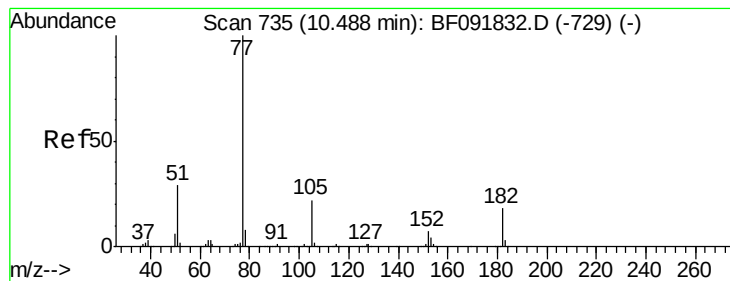
Tgt Ion:204 Resp: 24893
Ion Ratio Lower Upper
204 100
206 43.1 25.8 38.6#
141 340.5 59.4 89.0#



#61
4-Nitroaniline
Concen: 350.05 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.05 min
Lab File: BF091902.D
Acq: 23 Dec 2016 3:44

Tgt Ion:138 Resp: 98294
Ion Ratio Lower Upper
138 100
92 54.9 31.7 71.7
108 84.3 52.6 92.6





#62

Azobenzene

Concen: 88.26 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.05 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

Tgt Ion: 77 Resp: 94411

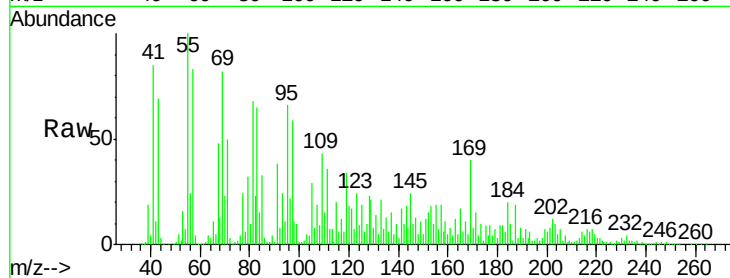
Ion Ratio Lower Upper

77 100

182 35.7 0.0 39.3

105 119.5 2.3 42.3#

51 22.5 8.9 48.9

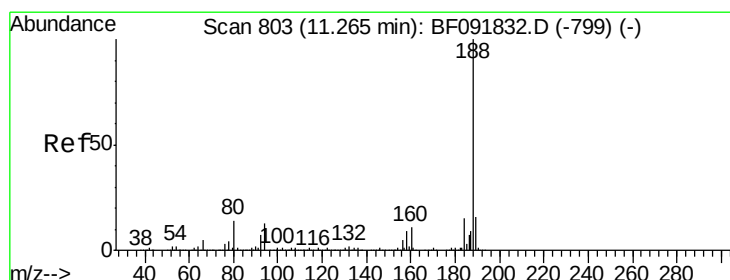
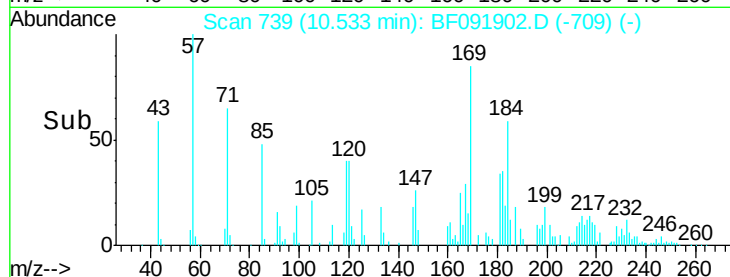
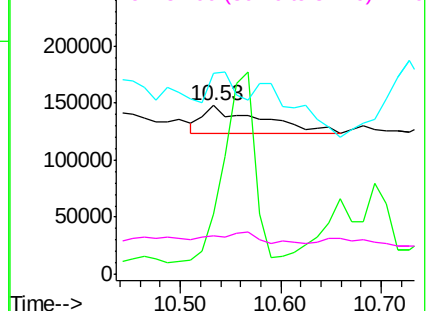


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.22 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

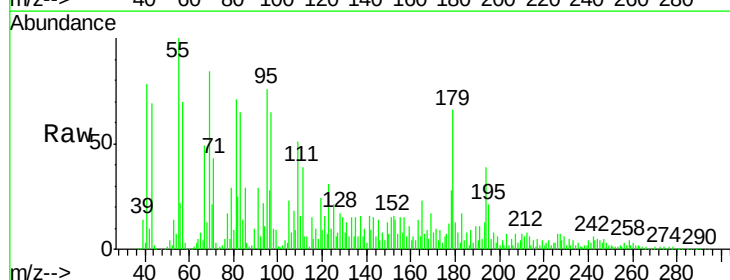
Tgt Ion: 188 Resp: 15429

Ion Ratio Lower Upper

188 100

94 382.1 10.0 15.0#

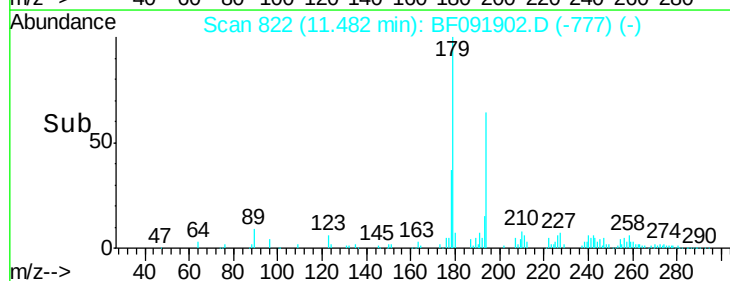
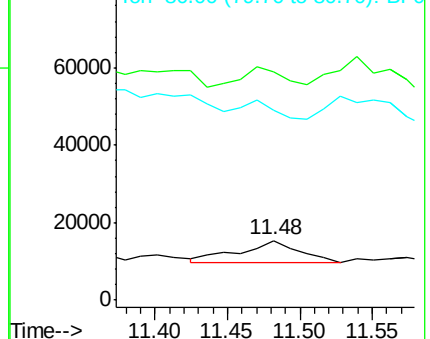
80 318.0 11.2 16.8#

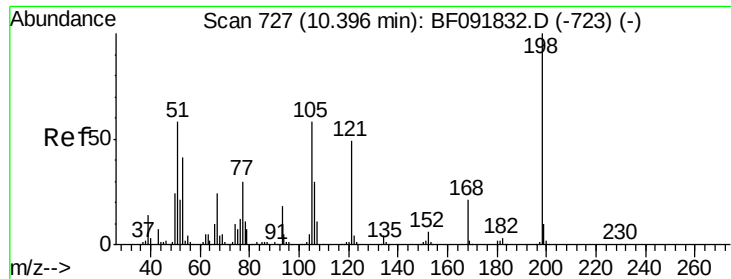


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

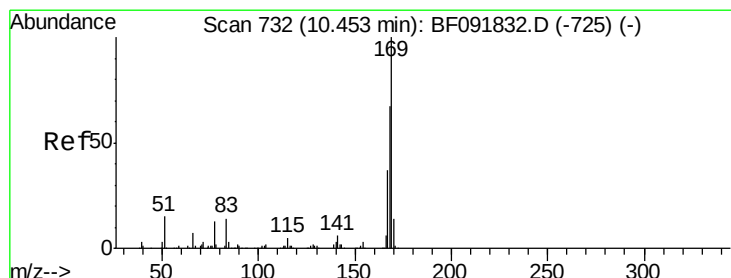
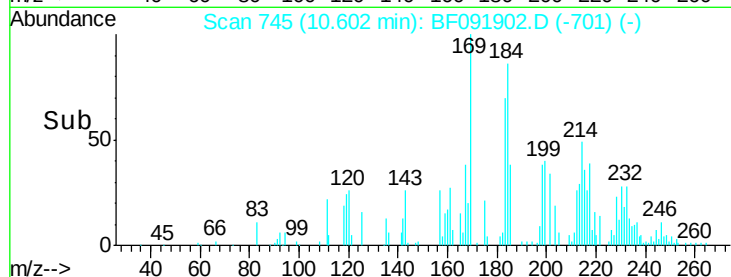
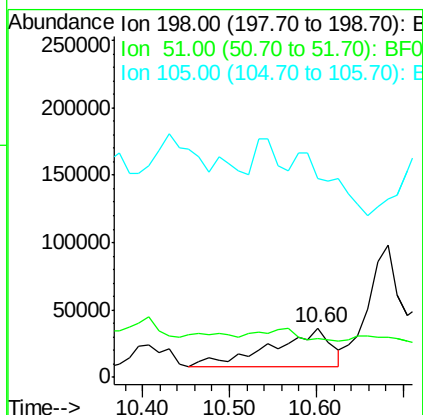
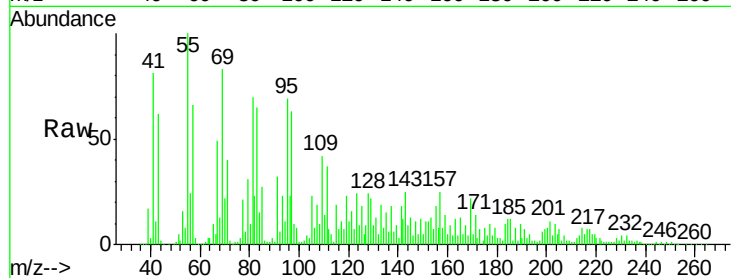




#64
 4,6-Dinitro-2-methylphenol
 Concen: 1477.89 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.21 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

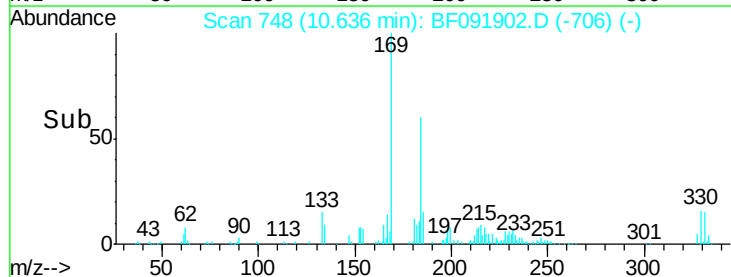
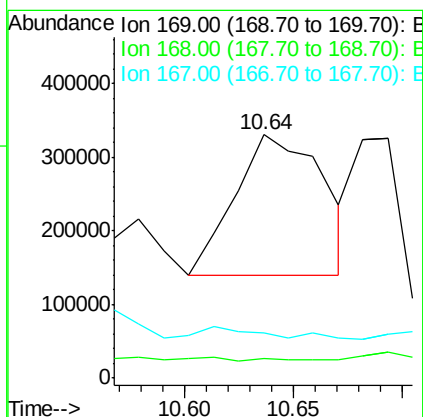
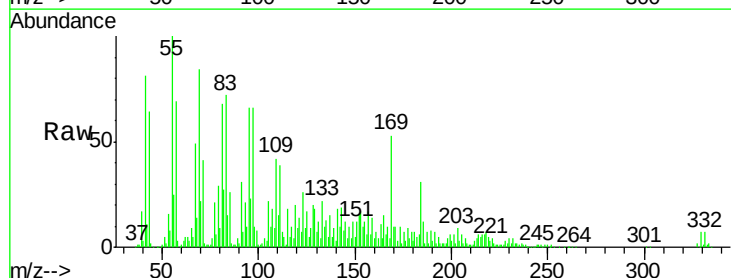
Instrument :
 BNA_F
 ClientSampleId :
 SB-51(6-8)-121916RE

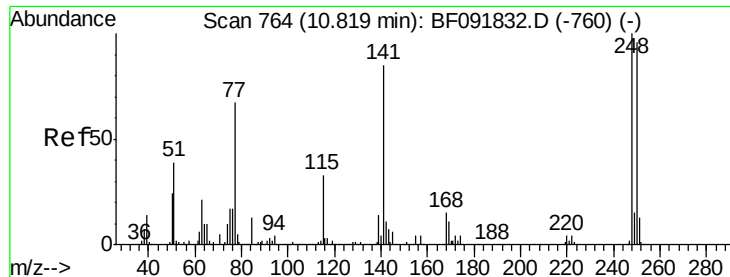
Tgt Ion:198 Resp: 137885
 Ion Ratio Lower Upper
 198 100
 51 79.4 6.7 46.7#
 105 403.9 16.6 56.6#



#65
 n-Nitrosodiphenylamine
 Concen: 1176.26 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.18 min
 Lab File: BF091902.D
 Acq: 23 Dec 2016 3:44

Tgt Ion:169 Resp: 538527
 Ion Ratio Lower Upper
 169 100
 168 8.0 54.2 81.2#
 167 18.5 30.2 45.4#





#66

4-Bromophenyl-phenylether

Concen: 56.54 ng

RT: 11.05 min Scan# 784

Delta R.T. 0.23 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

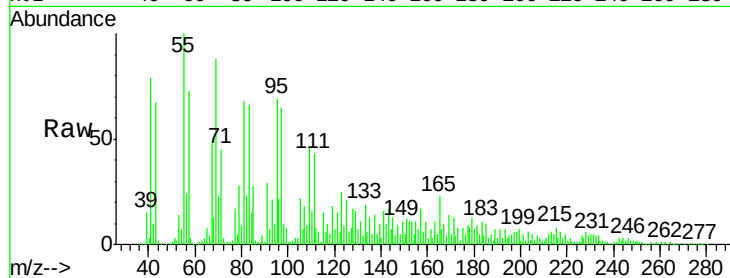
Tgt Ion:248 Resp: 9075

Ion Ratio Lower Upper

248 100

250 97.2 76.9 115.3

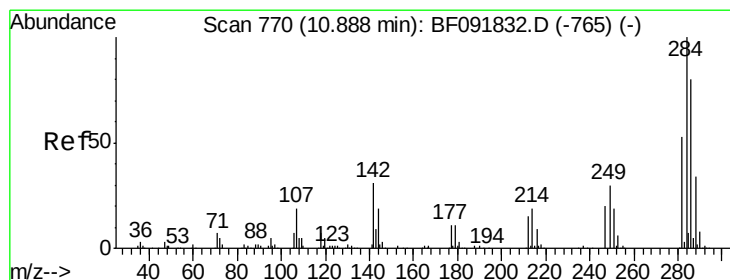
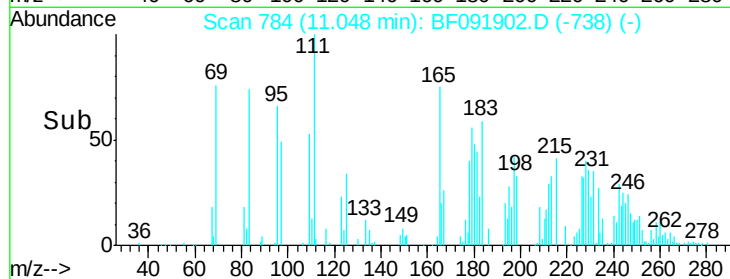
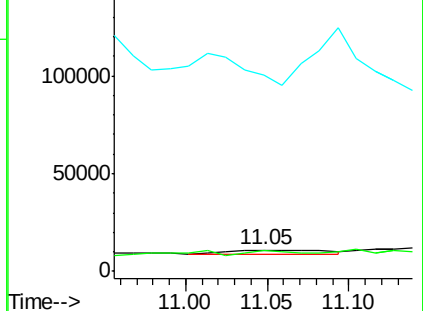
141 918.9 68.2 102.4#



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



#67

Hexachlorobenzene

Concen: 5.13 ng

RT: 11.31 min Scan# 807

Delta R.T. 0.42 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

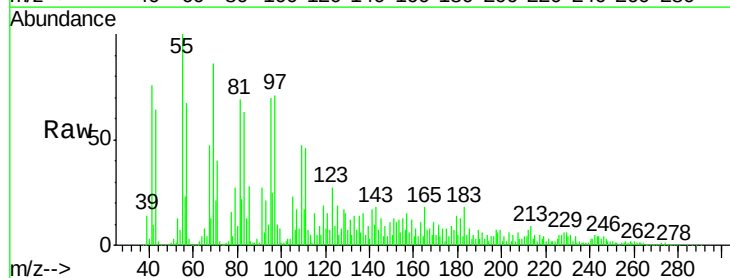
Tgt Ion:284 Resp: 880

Ion Ratio Lower Upper

284 100

142 18443.6 22.6 33.8#

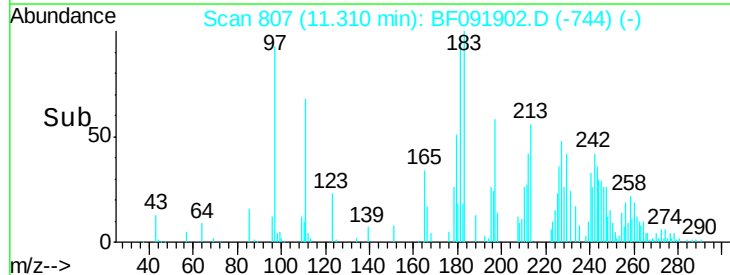
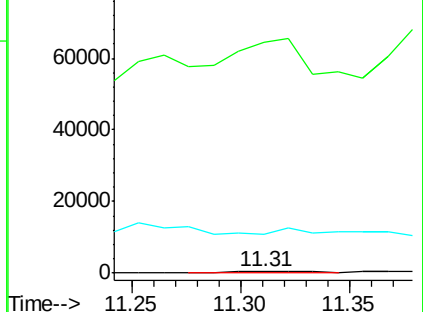
249 3097.4 25.4 38.0#

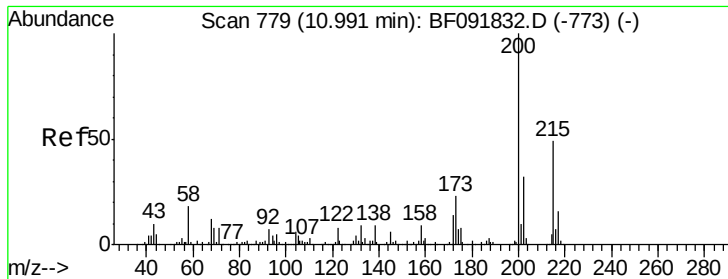


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 17.18 ng

RT: 11.21 min Scan# 798

Delta R.T. 0.22 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

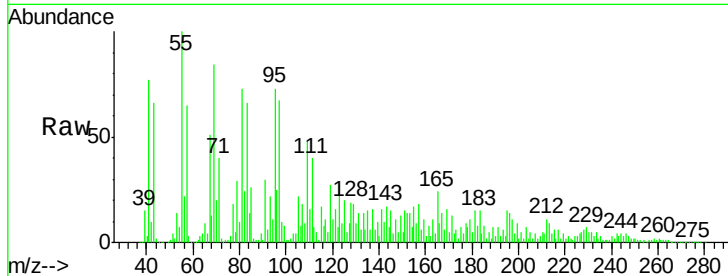
Tgt Ion:200 Resp: 2537

Ion Ratio Lower Upper

200 100

173 335.0 9.6 49.6#

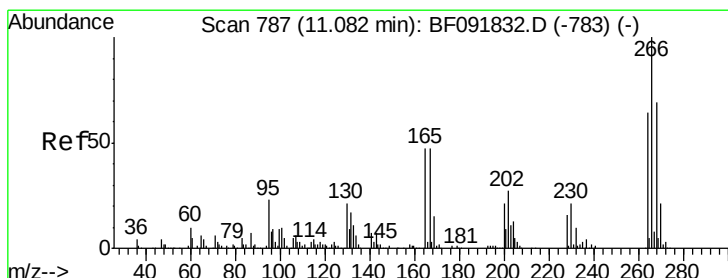
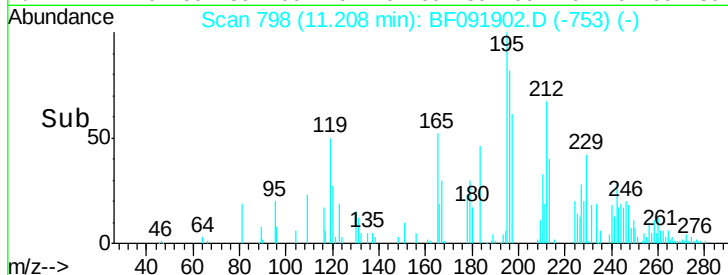
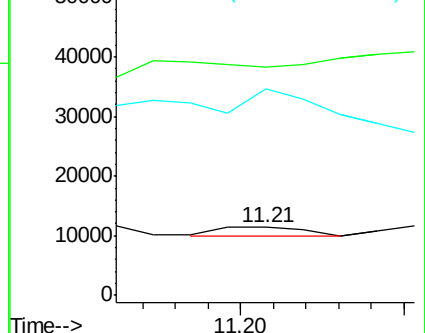
215 303.5 25.7 65.7#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 32.29 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.25 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

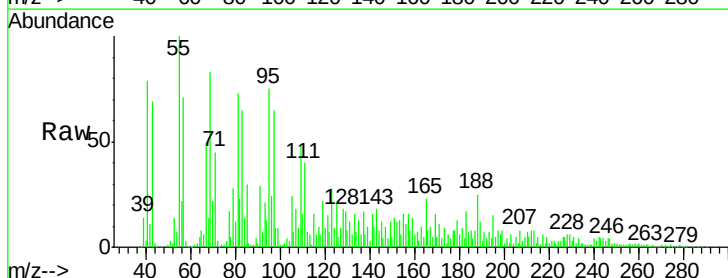
Tgt Ion:266 Resp: 2718

Ion Ratio Lower Upper

266 100

268 46.1 53.3 79.9#

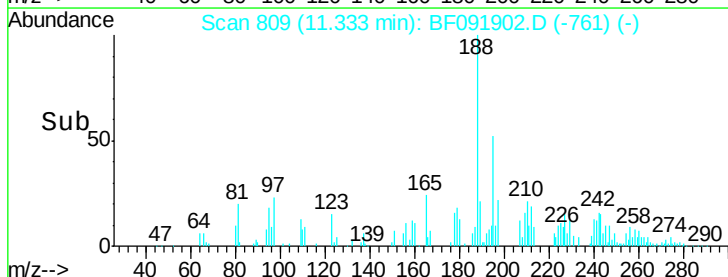
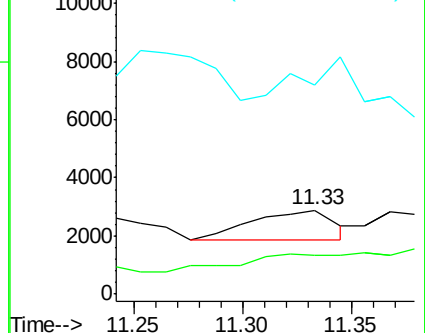
264 249.7 50.3 75.5#

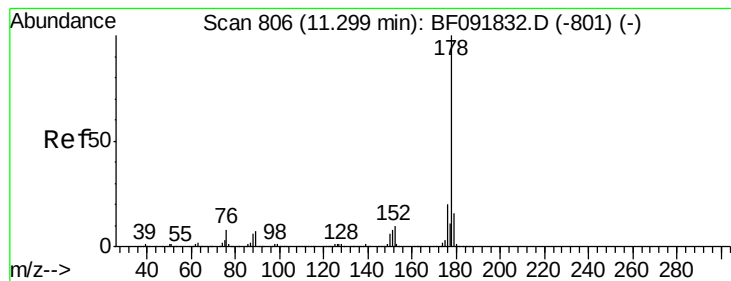


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 146.37 ng

RT: 11.57 min Scan# 830

Delta R.T. 0.27 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

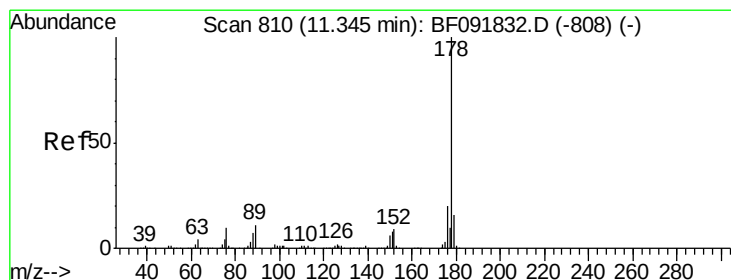
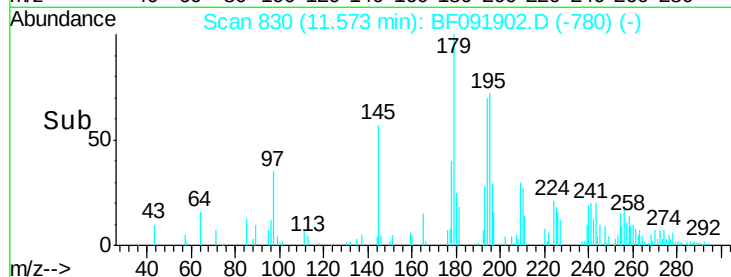
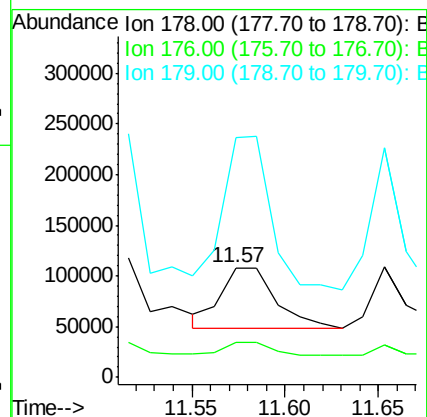
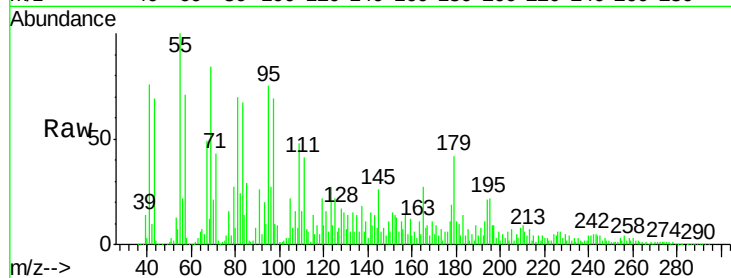
Tgt Ion:178 Resp: 122458

Ion Ratio Lower Upper

178 100

176 31.8 16.6 25.0#

179 219.9 12.8 19.2#



#71

Anthracene

Concen: Below Cal

RT: 11.57 min Scan# 830

Delta R.T. 0.23 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

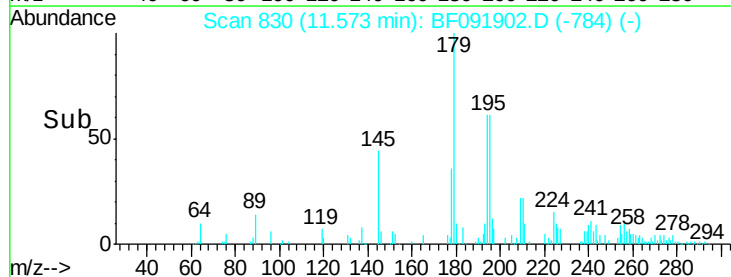
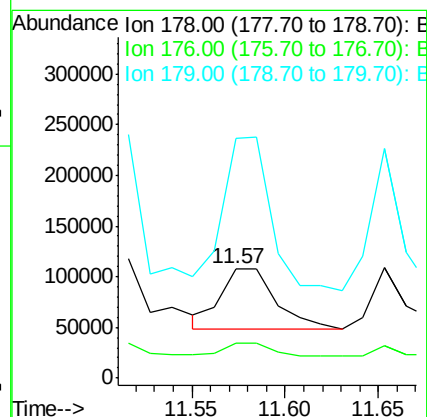
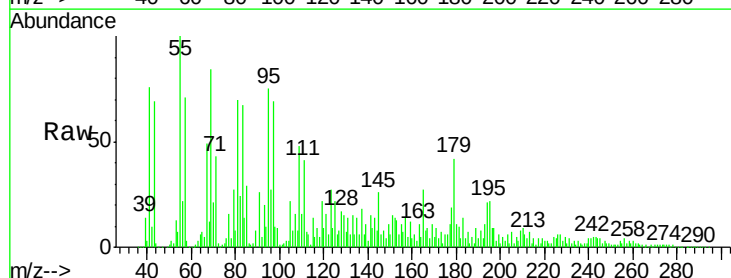
Tgt Ion:178 Resp: 122458

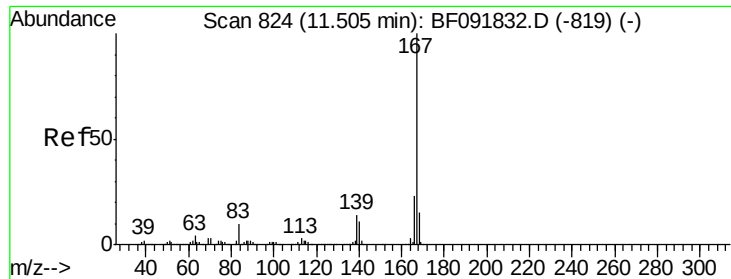
Ion Ratio Lower Upper

178 100

176 31.8 15.9 23.9#

179 219.9 13.2 19.8#





#72

Carbazole

Concen: Below Cal

RT: 11.71 min Scan# 842

Delta R.T. 0.21 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

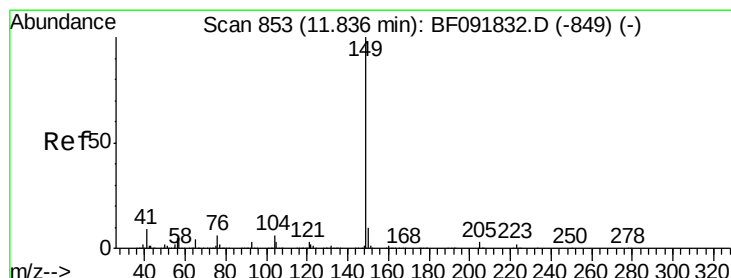
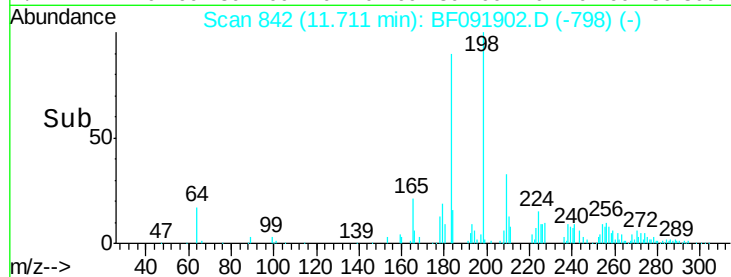
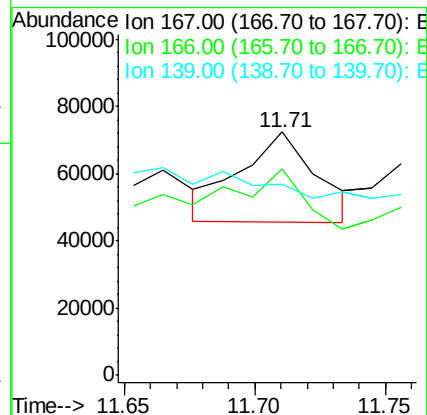
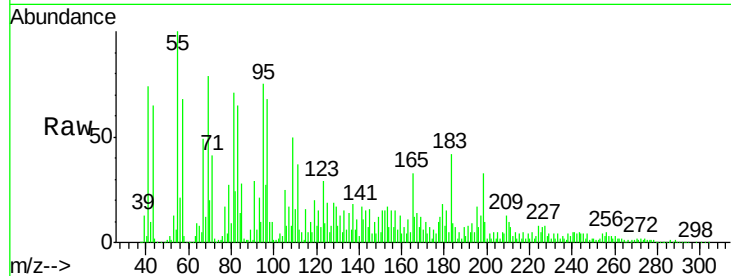
Tgt Ion:167 Resp: 54221

Ion Ratio Lower Upper

167 100

166 84.7 18.2 27.2#

139 78.6 11.4 17.2#



#73

Di-n-butylphthalate

Concen: 47.45 ng

RT: 12.09 min Scan# 875

Delta R.T. 0.25 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

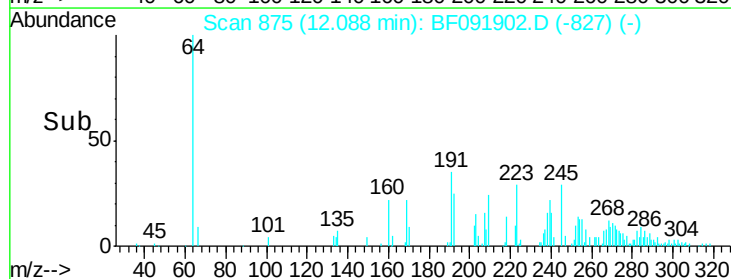
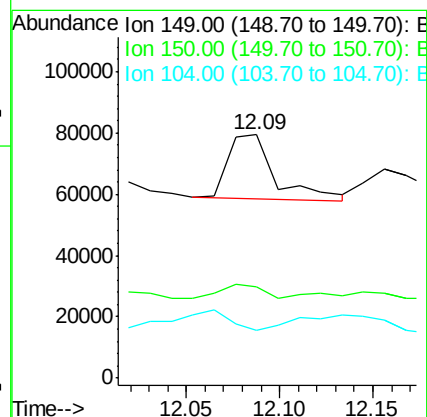
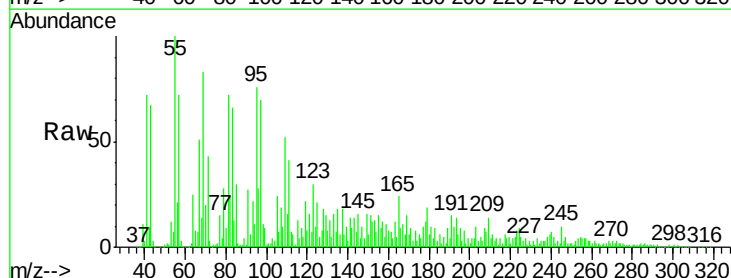
Tgt Ion:149 Resp: 37440

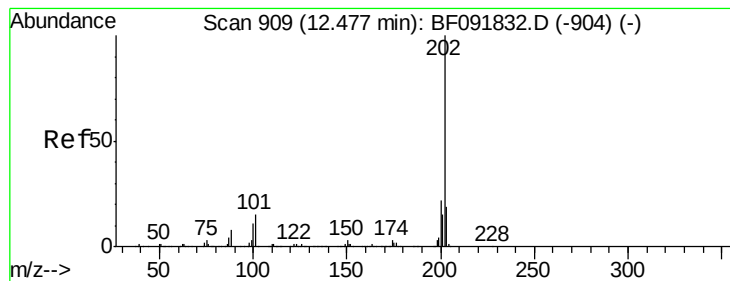
Ion Ratio Lower Upper

149 100

150 37.6 8.1 12.1#

104 19.6 4.6 7.0#





#74

Fluoranthene

Concen: 26.60 ng

RT: 12.70 min Scan# 929

Delta R.T. 0.23 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

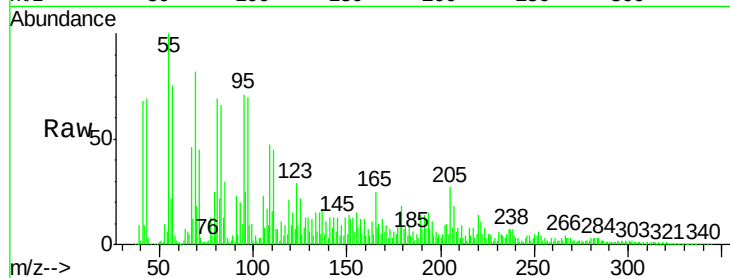
Tgt Ion:202 Resp: 20673

Ion Ratio Lower Upper

202 100

101 47.7 0.0 34.6#

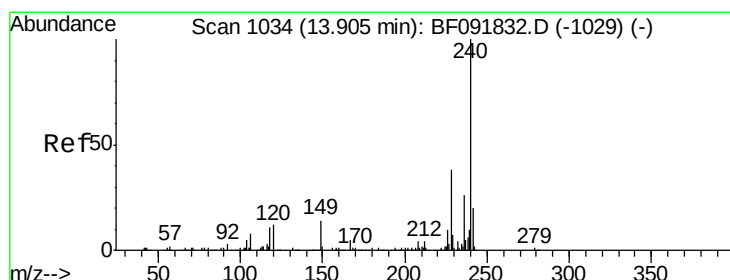
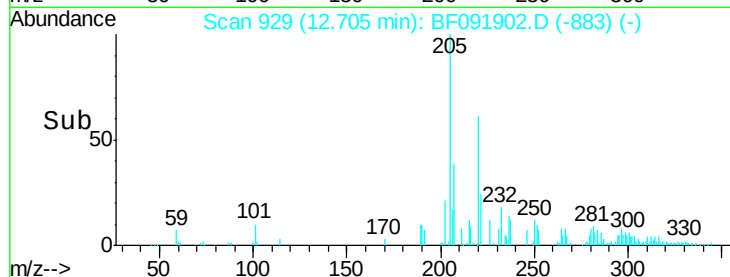
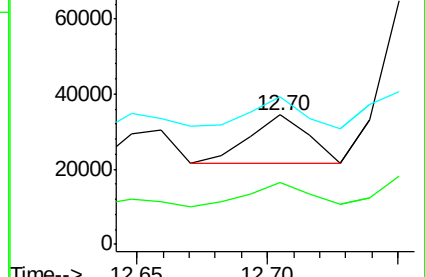
203 114.4 0.0 38.7#



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: 13.93 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

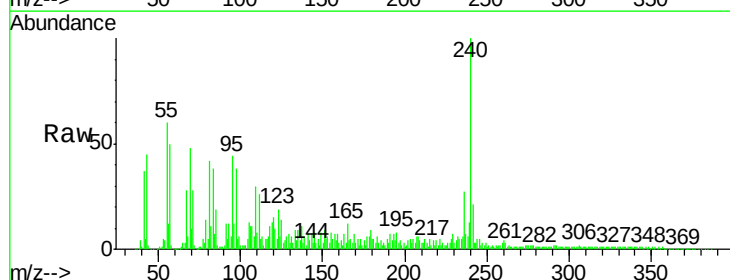
Tgt Ion:240 Resp: 308851

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

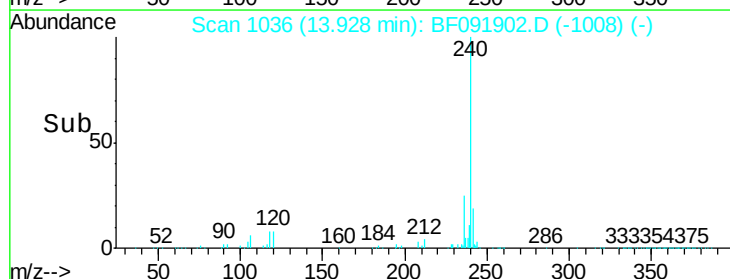
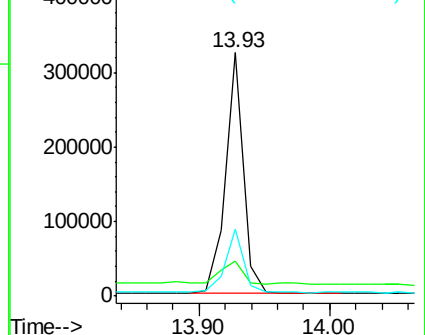
236 27.3 20.9 31.3

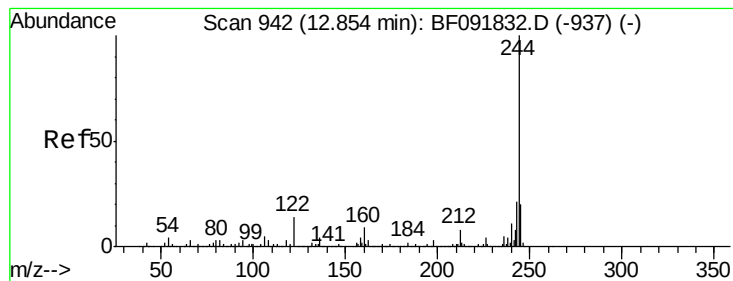


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 68.54 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.03 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

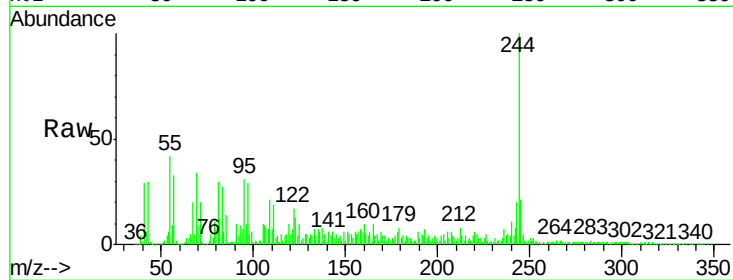
Tgt Ion:244 Resp: 872828

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

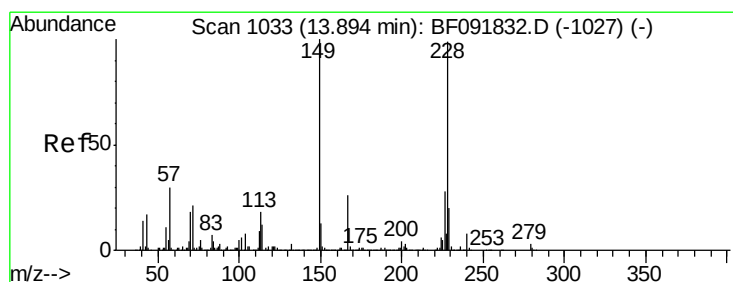
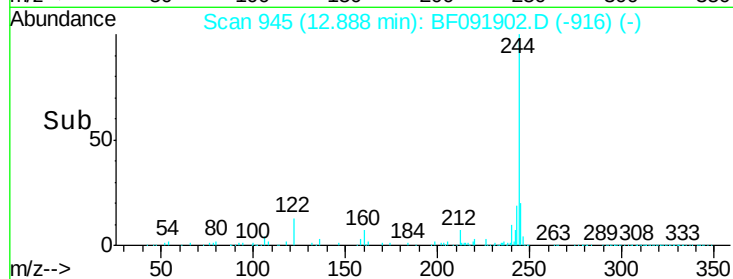
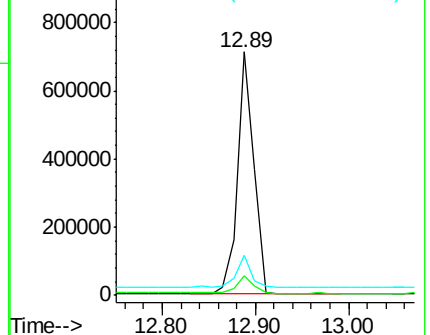
122 16.5 11.4 17.2



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: 3.12 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.05 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

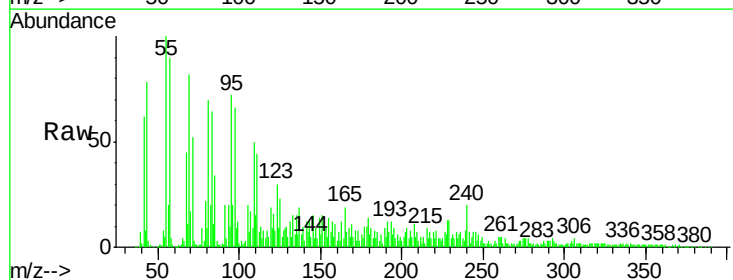
Tgt Ion:228 Resp: 54368

Ion Ratio Lower Upper

228 100

226 50.2 22.4 33.6#

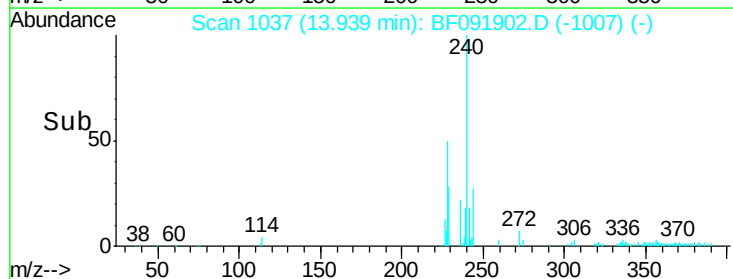
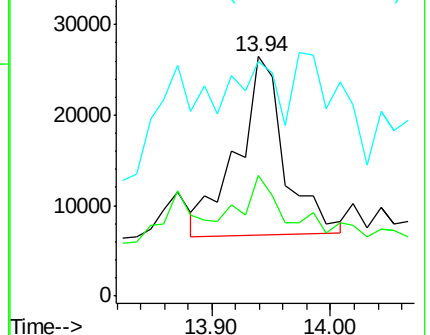
229 98.1 16.2 24.4#

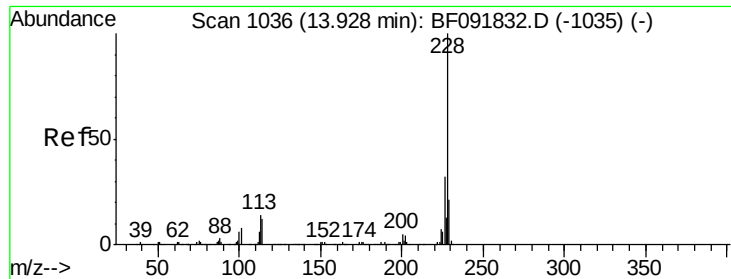


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.28 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

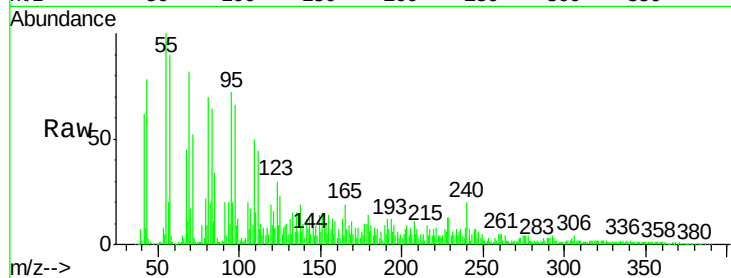
Tgt Ion:228 Resp: 57298

Ion Ratio Lower Upper

228 100

226 50.2 25.4 38.0#

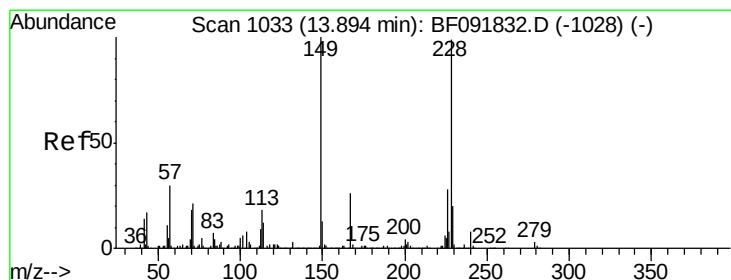
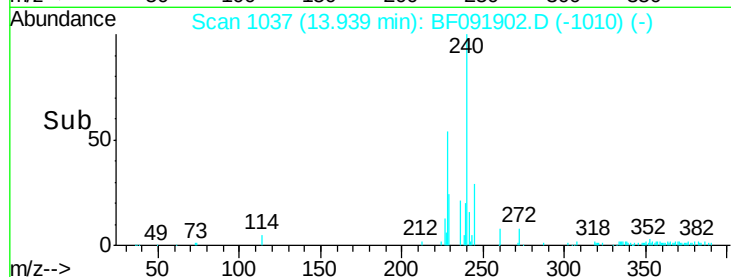
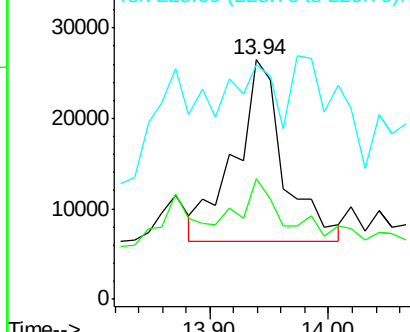
229 98.1 16.2 24.2#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 16.96 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

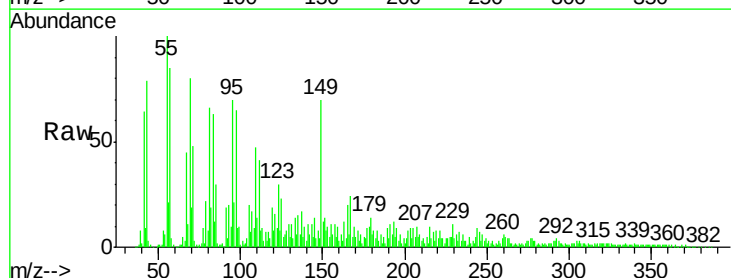
Tgt Ion:149 Resp: 205868

Ion Ratio Lower Upper

149 100

167 34.7 20.2 30.4#

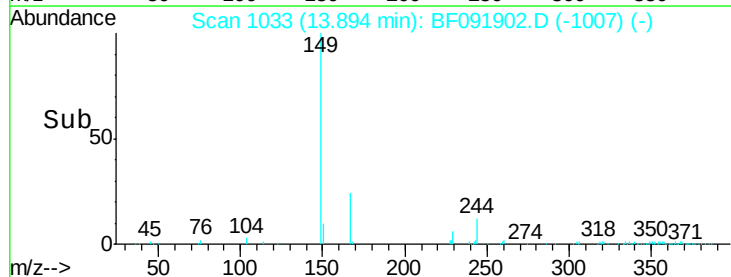
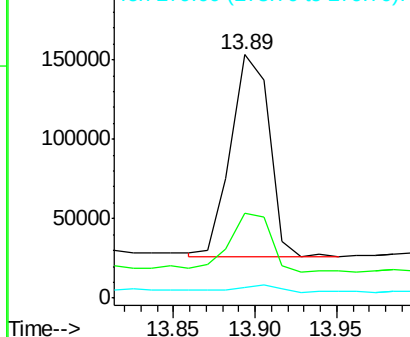
279 4.3 1.8 2.8#

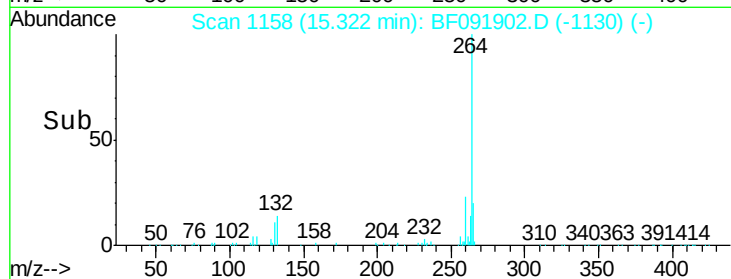
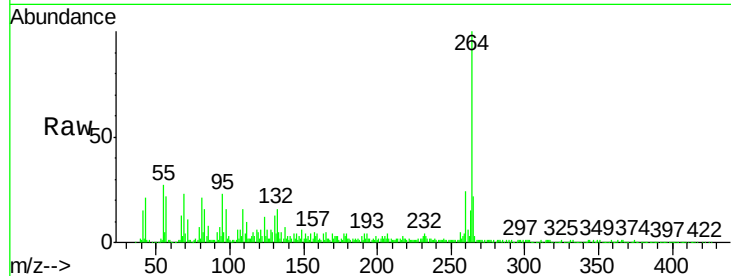
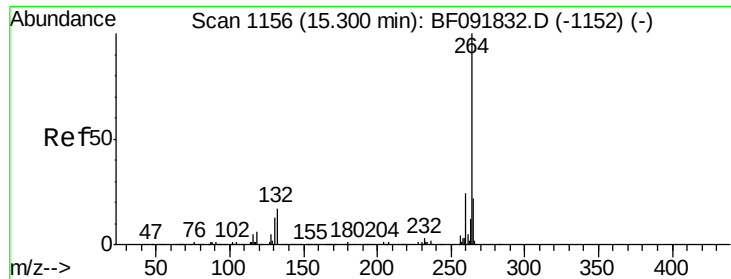


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF091902.D

Acq: 23 Dec 2016 3:44

Instrument :

BNA_F

ClientSampleId :

SB-51(6-8)-121916RE

Tgt Ion: 264 Resp: 319241

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.5 17.4 26.0

