

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
 Data File : BF089924.D
 Acq On : 26 Aug 2016 22:57
 Operator : UM/SJ
 Sample : H4596-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Quant Time: Aug 26 23:30:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	307823	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	601234	20.00	ng	0.01
38) Acenaphthene-d10	9.72	164	173344	20.00	ng	0.03
63) Phenanthrene-d10	11.20	188	509148	20.00	ng	0.05
75) Chrysene-d12	13.78	240	601887	20.00	ng	0.00
86) Perylene-d12	15.12	264	622561	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	952578	53.07	ng	0.00
7) Phenol-d6	6.28	99	704066	31.95	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1314284	135.80	ng	0.01
41) 2,4,6-Tribromophenol	10.51	330	325603	197.65	ng	0.03
44) 2-Fluorobiphenyl	9.05	172	1346082	136.48	ng	0.03
78) Terphenyl-d14	12.75	244	1471852	55.32	ng	0.01

Target Compounds						Qvalue
9) Benzaldehyde	6.20	77	39678	2.76	ng	# 1
15) Benzyl Alcohol	6.82	79	59626	4.08	ng	# 45
18) Hexachloroethane	7.14	117	163194	19.84	ng	# 1
19) n-Nitroso-di-n-propylamine	7.10	70	164664	11.68	ng	# 61
22) Acetophenone	7.06	105	287019	20.79	ng	# 55
24) Nitrobenzene	7.21	77	320533	29.52	ng	# 39
25) Isophorone	7.48	82	301353	15.44	ng	# 1
26) 2-Nitrophenol	7.53	139	28519	5.26	ng	# 1
27) 2,4-Dimethylphenol	7.61	122	57454	5.88	ng	# 1
28) bis(2-Chloroethoxy)methane	7.72	93	74121	6.14	ng	# 1
29) 2,4-Dichlorophenol	7.82	162	67214	8.20	ng	# 23
30) 1,2,4-Trichlorobenzene	7.86	180	31212	3.44	ng	# 52
31) Naphthalene	7.95	128	602355	21.44	ng	# 1
32) Benzoic acid	7.76	122	56883	7.48	ng	# 20
33) 4-Chloroaniline	8.01	127	98951	8.12	ng	# 1
35) Caprolactam	8.42	113	301966	121.03	ng	# 42
36) 4-Chloro-3-methylphenol	8.49	107	133710	15.07	ng	# 4
37) 2-Methylnaphthalene	8.70	142	3107998	170.97	ng	# 94
42) 2,4,6-Trichlorophenol	8.98	196	26981	7.64	ng	# 15
43) 2,4,5-Trichlorophenol	8.98	196	26192	7.46	ng	# 1
46) 2-Chloronaphthalene	8.97	162	67639	6.38	ng	# 95
47) 2-Nitroaniline	9.28	65	20188	6.67	ng	# 1
48) Acenaphthylene	9.60	152	157174	9.86	ng	# 1
49) Dimethylphthalate	9.45	163	112476	9.22	ng	# 51
50) 2,6-Dinitrotoluene	9.54	165	85322	30.28	ng	# 85
51) Acenaphthene	9.76	154	323813	30.71	ng	# 88
52) 3-Nitroaniline	9.69	138	73836	23.65	ng	# 39
53) 2,4-Dinitrophenol	9.79	184	3374	5.40	ng	# 1
54) Dibenzofuran	9.93	168	264436	19.96	ng	# 56
55) 4-Nitrophenol	9.84	139	193900	76.09	ng	# 48
56) 2,4-Dinitrotoluene	9.94	165	25448	6.96	ng	# 60
57) Fluorene	10.27	166	755990	71.62	ng	# 80
58) 2,3,4,6-Tetrachlorophenol	10.03	232	8089	3.16	ng	# 33
59) Diethylphthalate	10.18	149	101875	8.22	ng	# 3

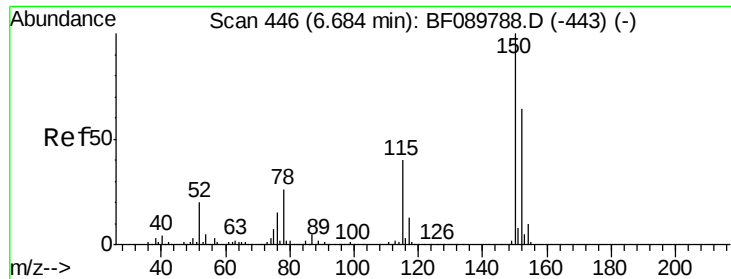
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	10.19	138	35164	12.01	ng	87
62) Azobenzene	10.43	77	205240	17.61	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.35	198	6323	2.16	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	742513	46.38	ng	# 44
68) Atrazine	10.94	200	57821	11.79	ng	# 34
69) Pentachlorophenol	11.05	266	7954	2.30	ng	# 15
70) Phenanthrene	11.22	178	1866034	72.57	ng	# 94
71) Anthracene	11.32	178	192557	7.37	ng	# 1
72) Carbazole	11.42	167	80722	3.44	ng	# 1
74) Fluoranthene	12.39	202	115686	4.73	ng	62
77) Pyrene	12.60	202	608374	12.41	ng	# 89
80) Benzo(a)anthracene	13.81	228	70568	2.05	ng	# 32
82) Chrysene	13.81	228	70568	2.39	ng	# 38

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

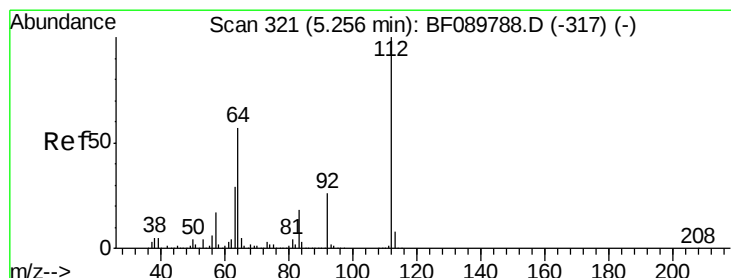
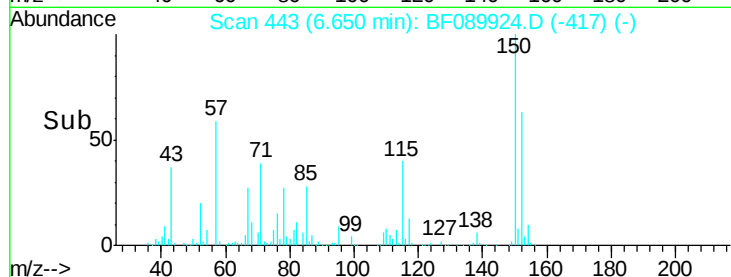
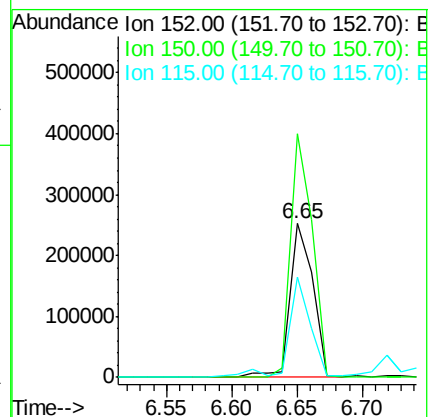
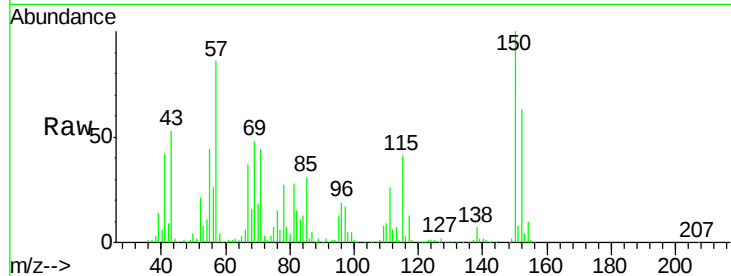
Tgt Ion:152 Resp: 307823

Ion Ratio Lower Upper

152 100

150 158.4 125.3 187.9

115 65.5 40.9 61.3#



#5

2-Fluorophenol

Concen: 53.07 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

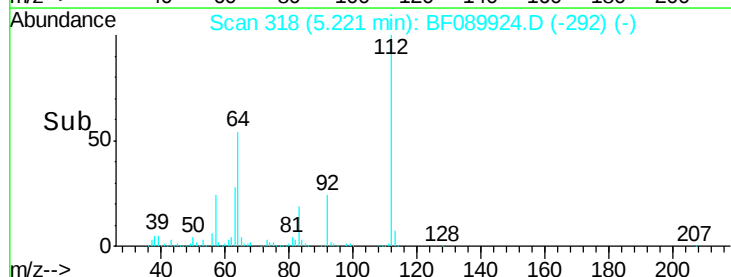
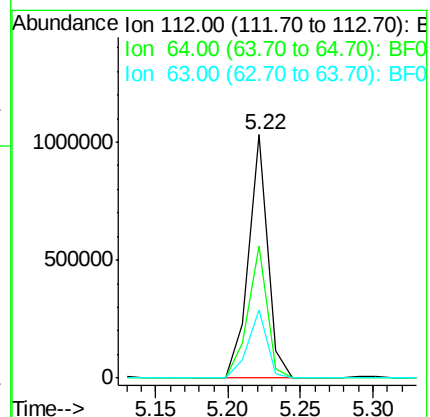
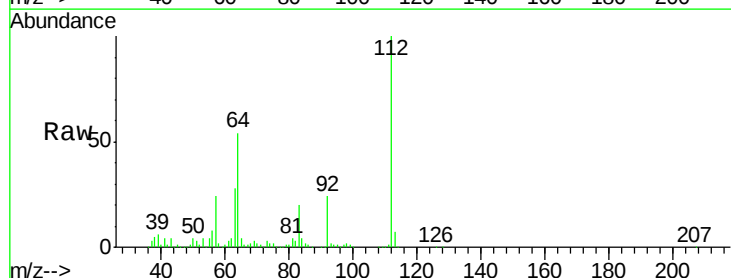
Tgt Ion:112 Resp: 952578

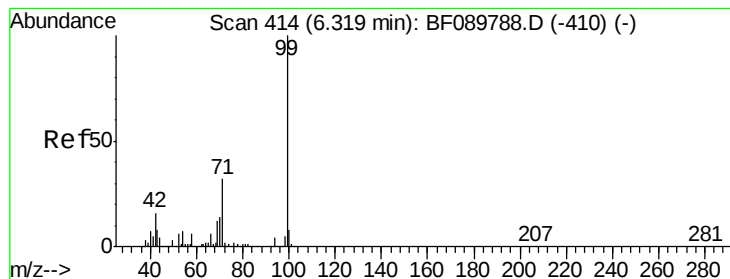
Ion Ratio Lower Upper

112 100

64 54.1 45.0 67.4

63 27.9 23.1 34.7





#7

Phenol-d6

Concen: 31.95 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

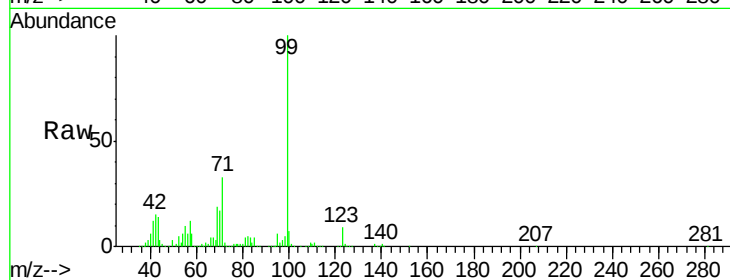
Tgt Ion: 99 Resp: 704066

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.4

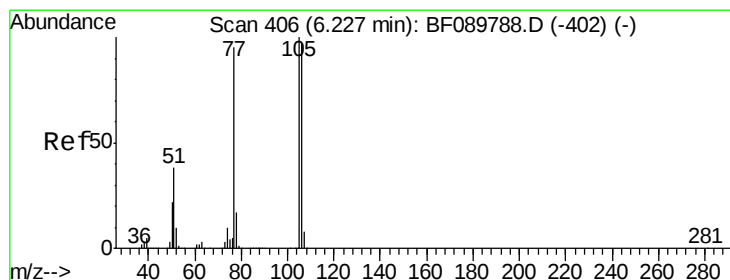
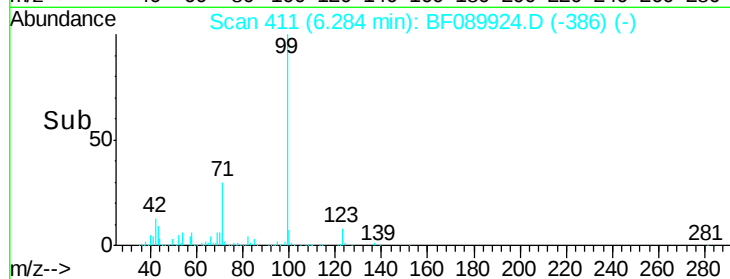
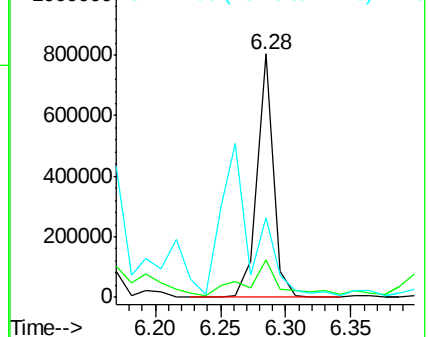
71 32.7 23.8 35.8



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: 2.76 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

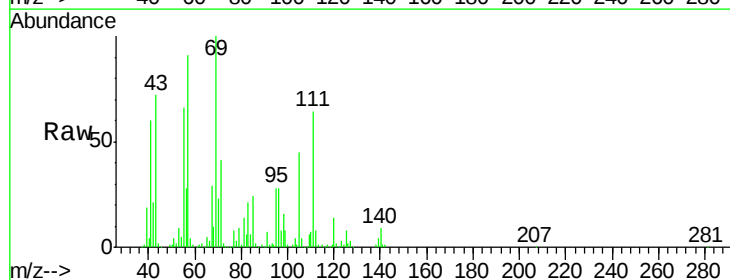
Tgt Ion: 77 Resp: 39678

Ion Ratio Lower Upper

77 100

105 528.2 73.3 113.3#

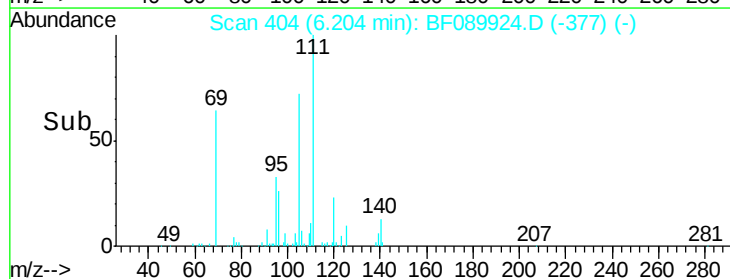
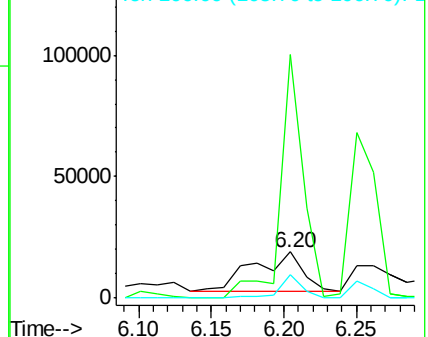
106 51.2 68.6 108.6#

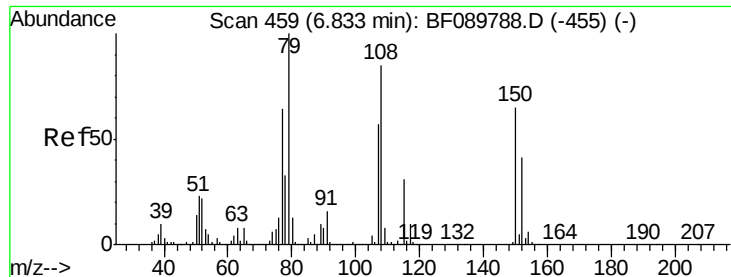


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 4.08 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.02 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

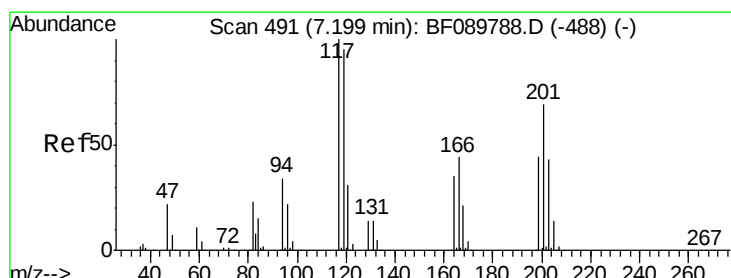
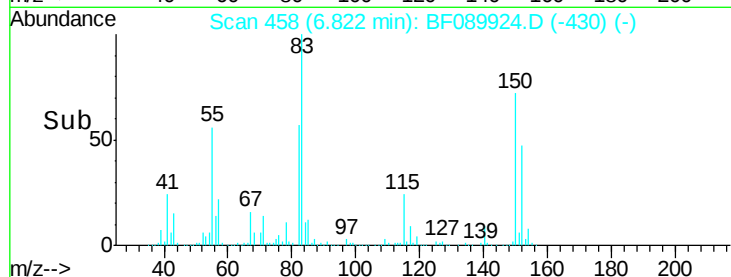
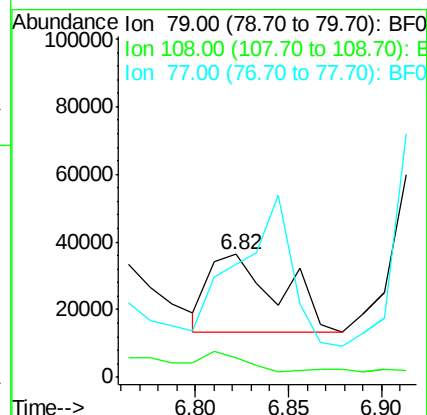
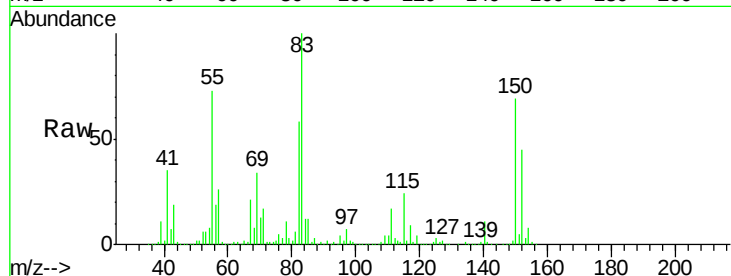
Tgt Ion: 79 Resp: 59626

Ion Ratio Lower Upper

79 100

108 15.7 62.5 93.7#

77 92.1 51.5 77.3#



#18

Hexachloroethane

Concen: 19.84 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.02 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

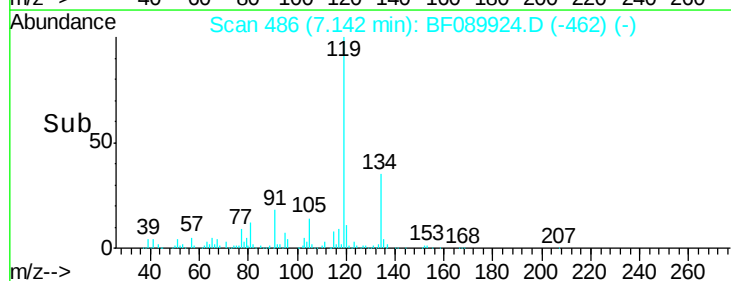
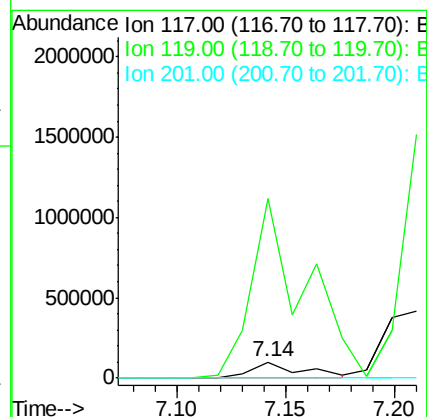
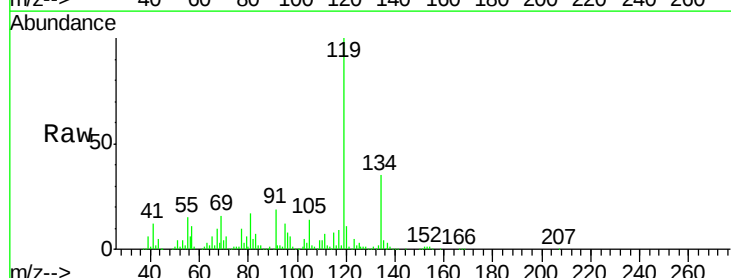
Tgt Ion: 117 Resp: 163194

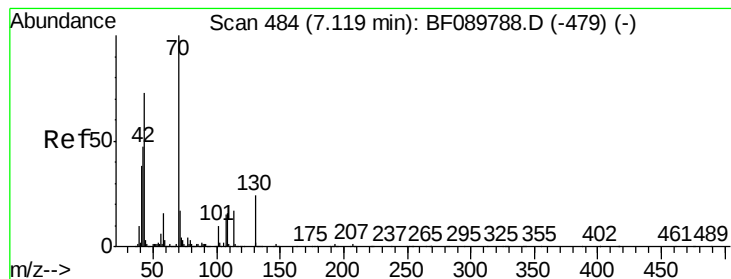
Ion Ratio Lower Upper

117 100

119 1109.1 77.1 115.7#

201 0.0 76.9 115.3#





#19

n-Nitroso-di-n-propylamine

Concen: 11.68 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

Tgt Ion: 70 Resp: 164664

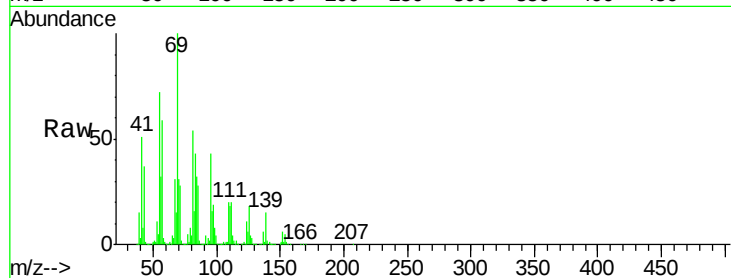
Ion Ratio Lower Upper

70 100

42 27.5 46.3 69.5#

101 0.6 7.0 10.6#

130 0.2 14.4 21.6#

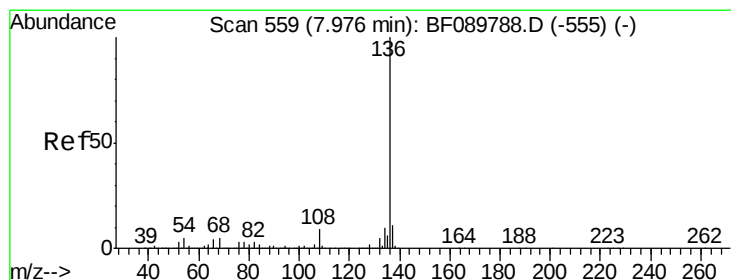
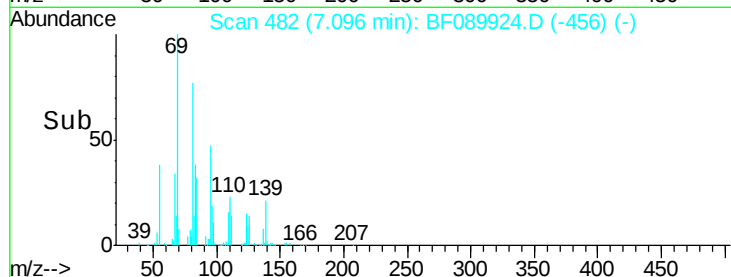
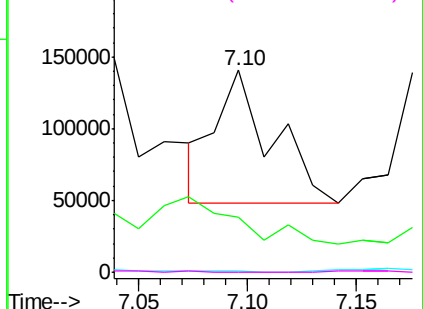


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.95 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Tgt Ion: 136 Resp: 601234

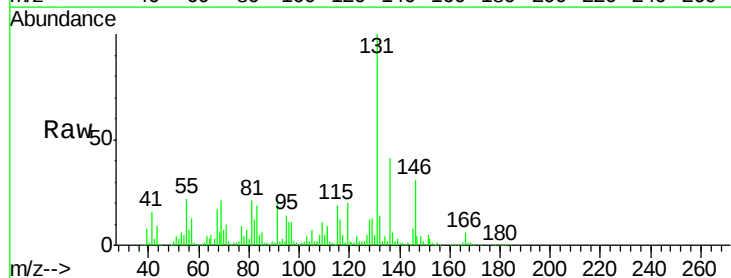
Ion Ratio Lower Upper

136 100

137 14.3 9.2 13.8#

54 11.4 7.2 10.8#

68 14.7 5.8 8.8#

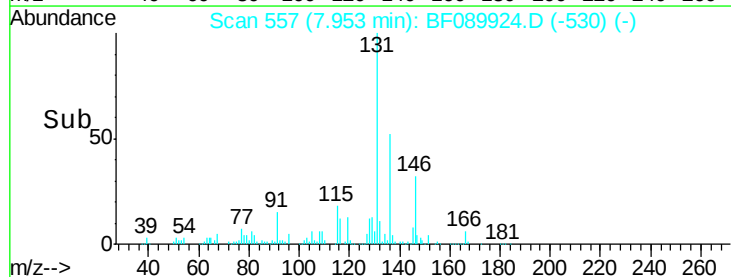
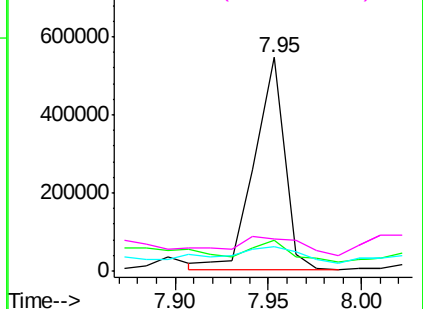


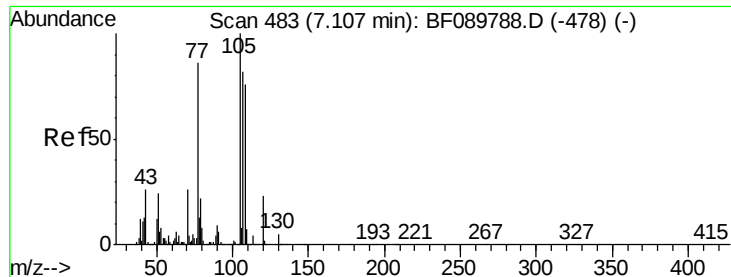
Abundance Ion 136.00 (135.70 to 136.70): BF0

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





#22

Acetophenone

Concen: 20.79 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

Tgt Ion:105 Resp: 287019

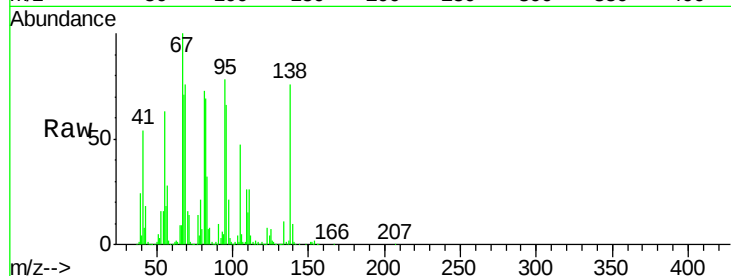
Ion Ratio Lower Upper

105 100

71 29.9 1.9 2.9#

51 10.3 28.5 42.7#

120 0.4 16.6 25.0#

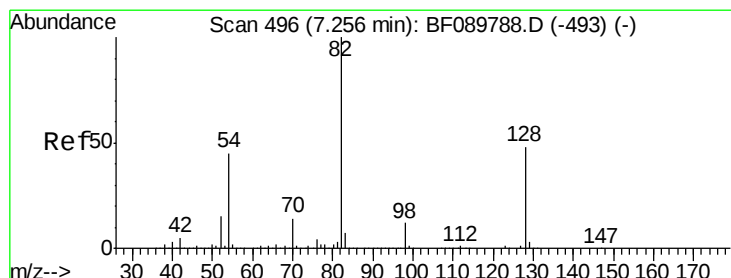
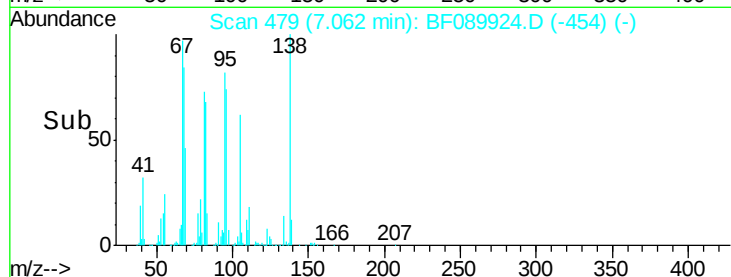
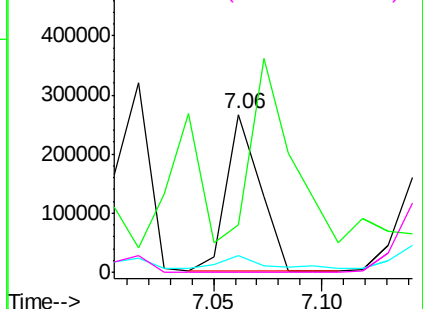


Abundance Ion 105.00 (104.70 to 105.70): E

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: 135.80 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

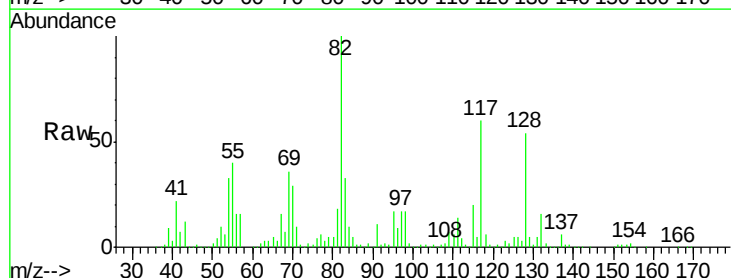
Tgt Ion: 82 Resp: 1314284

Ion Ratio Lower Upper

82 100

128 54.2 34.4 51.6#

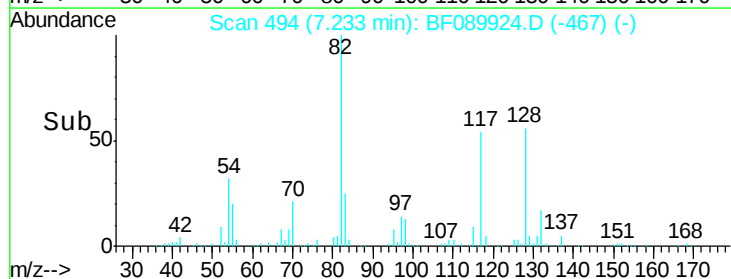
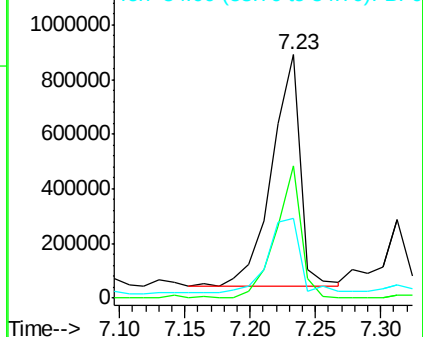
54 32.6 40.3 60.5#

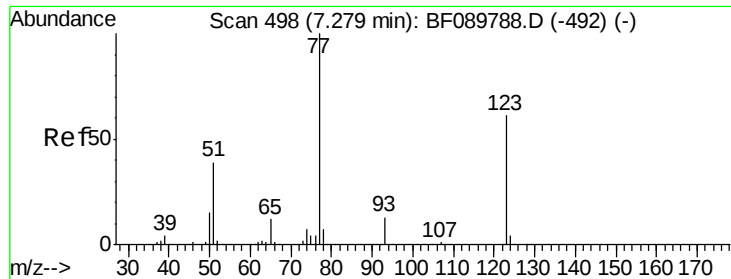


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

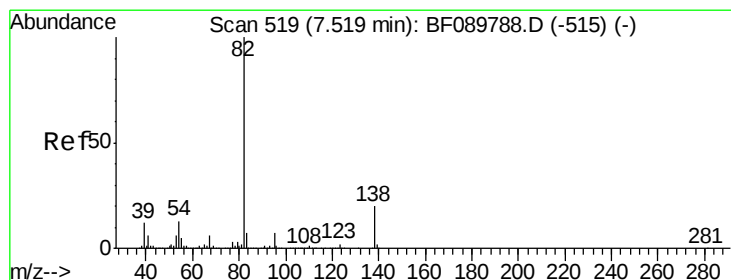
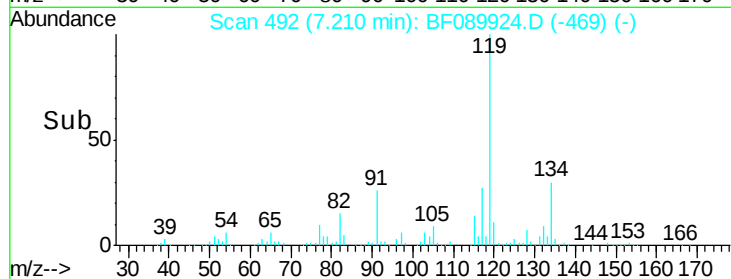
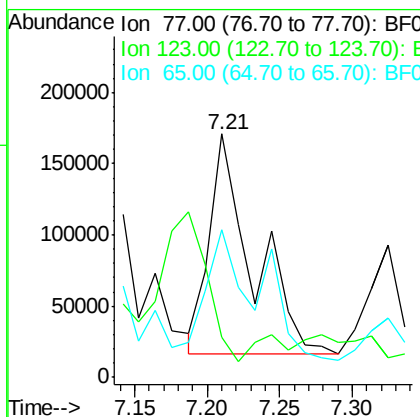
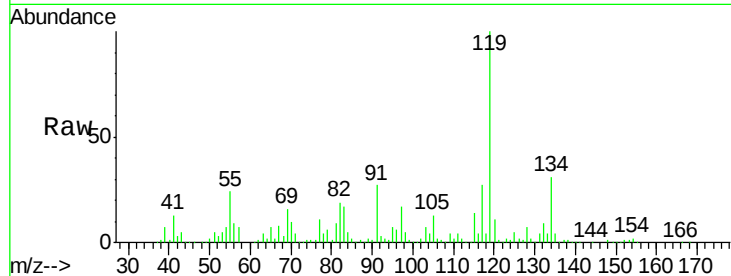




#24
 Nitrobenzene
 Concen: 29.52 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

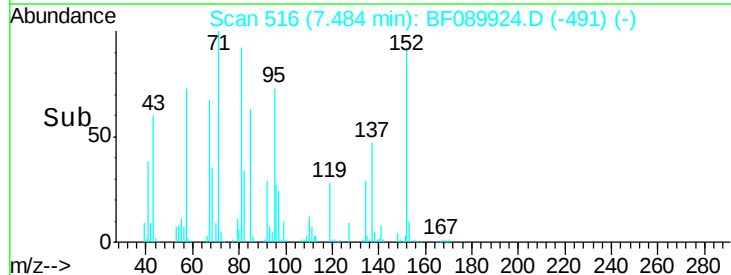
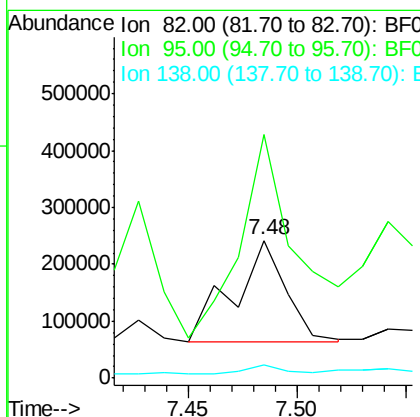
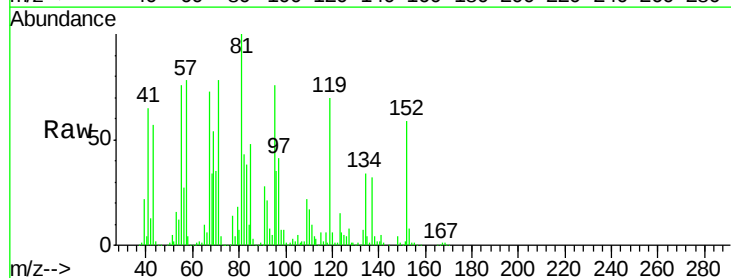
Instrument :
 BNA_F
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 RW-1

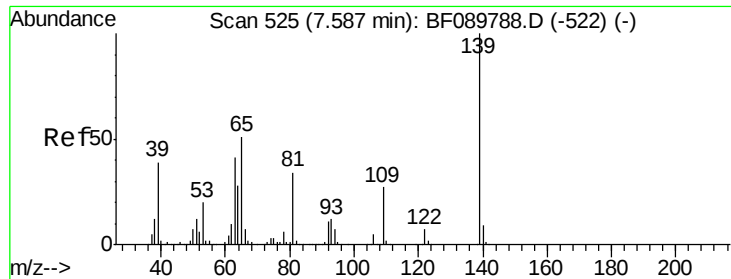
Tgt Ion: 77 Resp: 320533
 Ion Ratio Lower Upper
 77 100
 123 16.2 36.2 54.2#
 65 60.5 10.6 15.8#



#25
 Isophorone
 Concen: 15.44 ng
 RT: 7.48 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion: 82 Resp: 301353
 Ion Ratio Lower Upper
 82 100
 95 177.2 5.3 7.9#
 138 9.8 13.0 19.4#

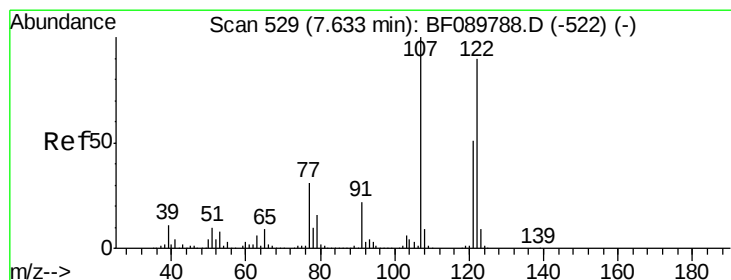
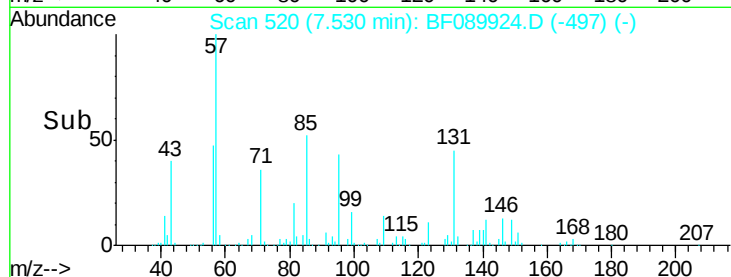
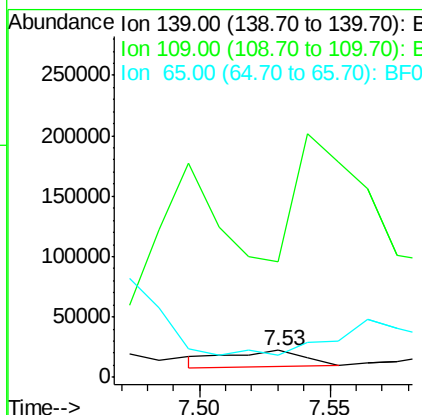
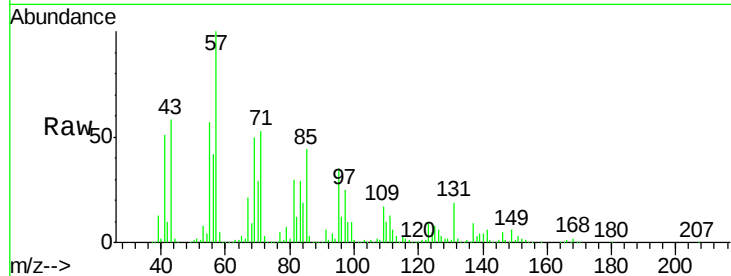




#26
 2-Nitrophenol
 Concen: 5.26 ng
 RT: 7.53 min Scan# 520
 Delta R.T. -0.03 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

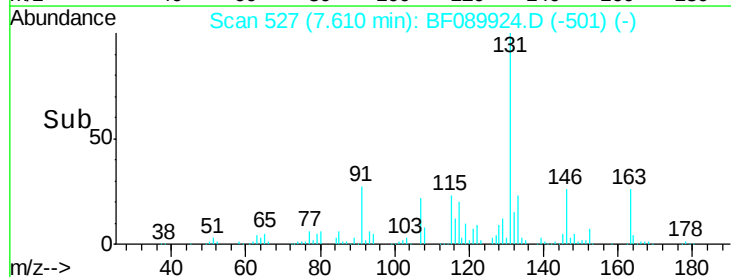
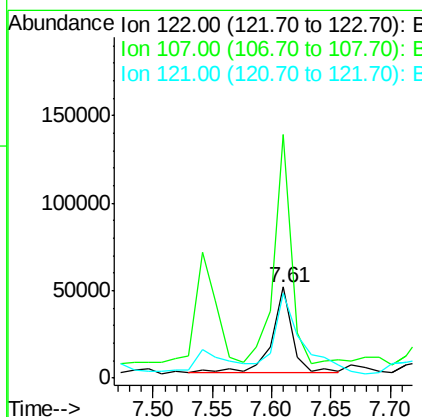
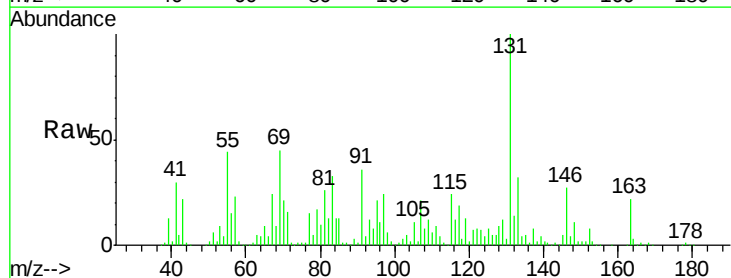
Instrument :
 BNA_F
 ClientSampleId :
 RW-1

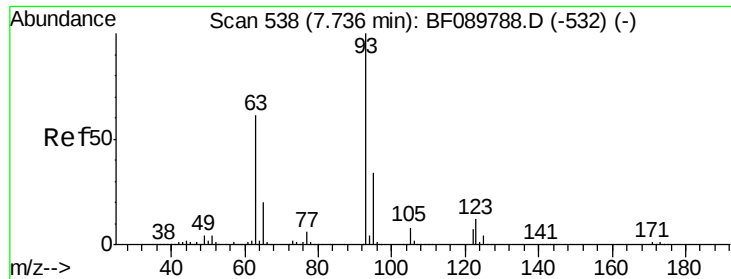
Tgt Ion:139 Resp: 28519
 Ion Ratio Lower Upper
 139 100
 109 434.5 19.5 29.3#
 65 83.9 26.5 39.7#



#27
 2,4-Dimethylphenol
 Concen: 5.88 ng
 RT: 7.61 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:122 Resp: 57454
 Ion Ratio Lower Upper
 122 100
 107 267.4 84.8 127.2#
 121 92.6 47.0 70.6#

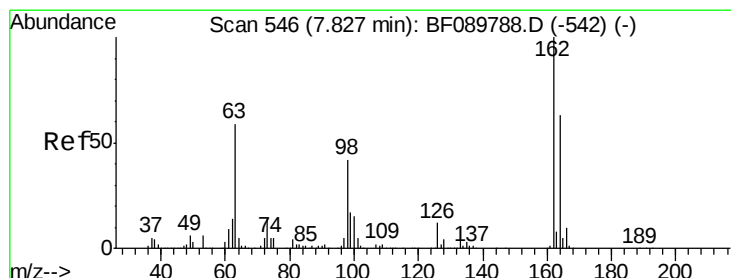
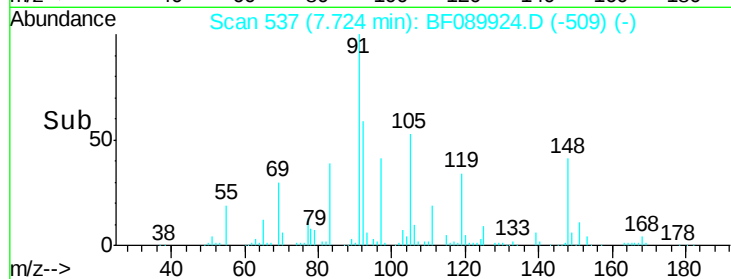
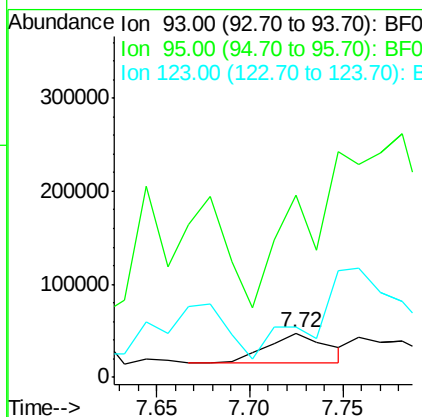
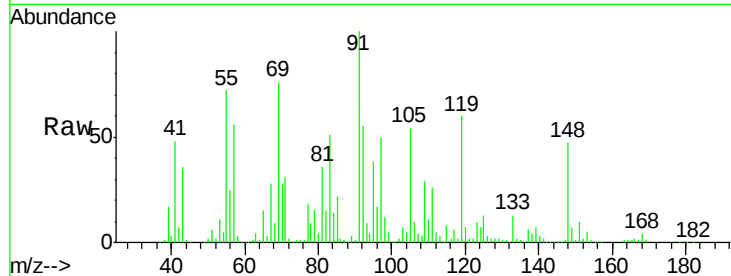




#28
bis(2-Chloroethoxy)methane
Concen: 6.14 ng
RT: 7.72 min Scan# 537
Delta R.T. 0.02 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

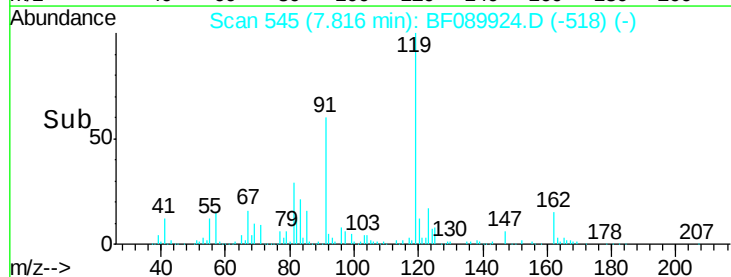
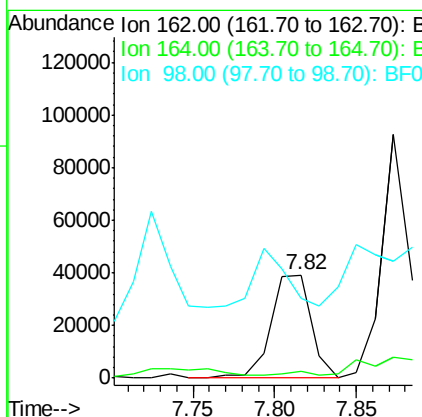
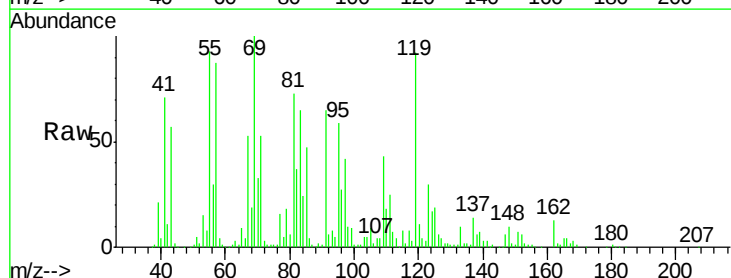
Instrument :
BNA_F
ClientSampleId :
RW-1

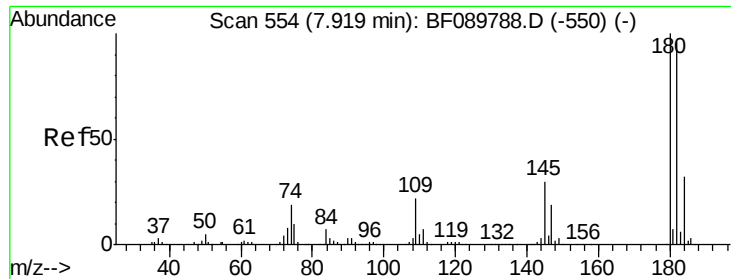
Tgt Ion: 93 Resp: 74121
Ion Ratio Lower Upper
93 100
95 410.4 25.5 38.3#
123 112.7 8.5 12.7#



#29
2,4-Dichlorophenol
Concen: 8.20 ng
RT: 7.82 min Scan# 545
Delta R.T. 0.01 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Tgt Ion: 162 Resp: 67214
Ion Ratio Lower Upper
162 100
164 6.3 45.5 85.5#
98 77.4 12.4 52.4#

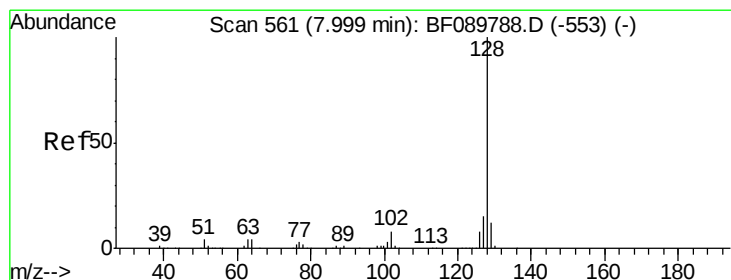
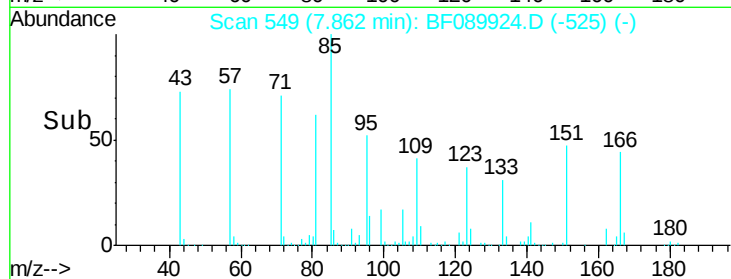
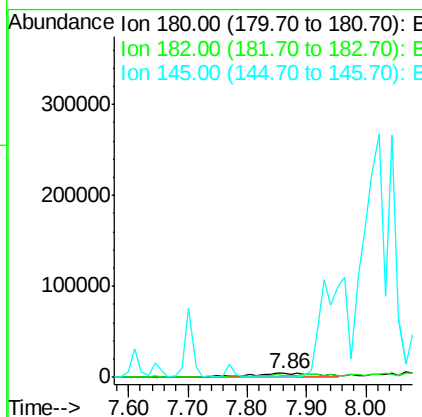
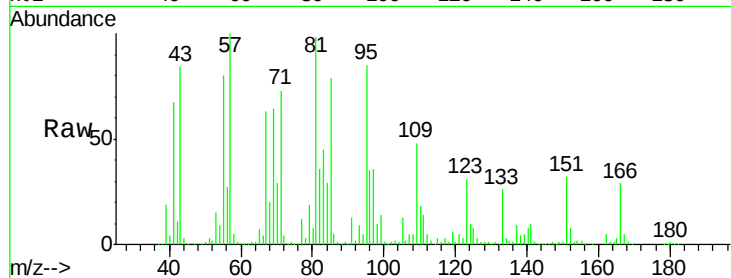




#30
 1,2,4-Trichlorobenzene
 Concen: 3.44 ng
 RT: 7.86 min Scan# 549
 Delta R.T. -0.02 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

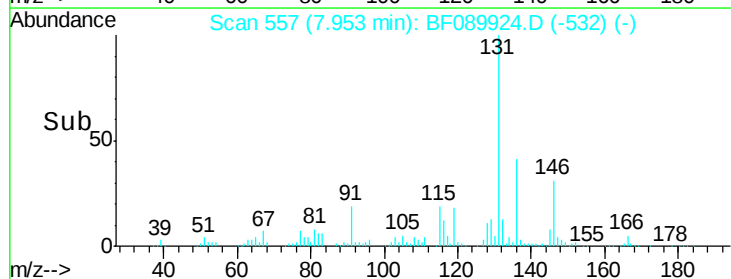
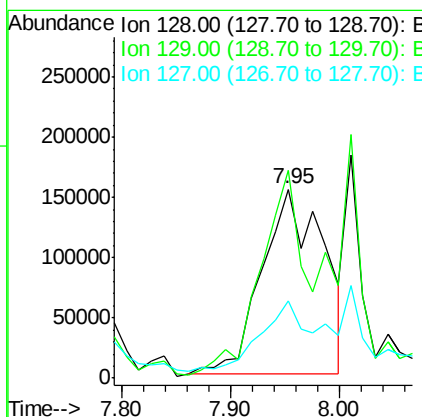
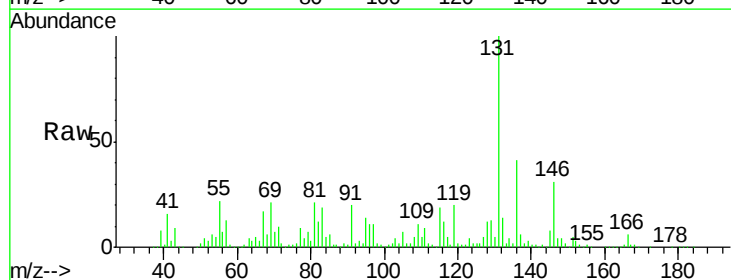
Instrument :
 BNA_F
 ClientSampleID :
 RW-1

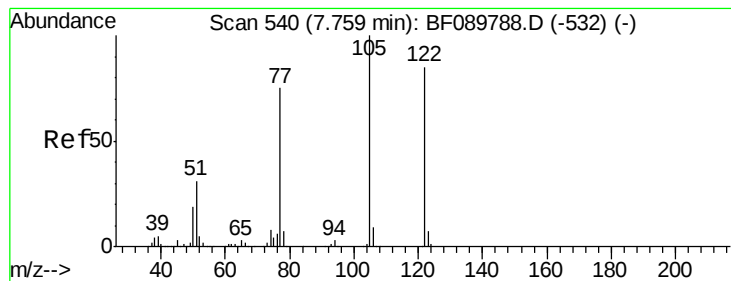
Tgt Ion:180 Resp: 31212
 Ion Ratio Lower Upper
 180 100
 182 45.8 75.5 113.3#
 145 11.2 28.7 43.1#



#31
 Naphthalene
 Concen: 21.44 ng
 RT: 7.95 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:128 Resp: 602355
 Ion Ratio Lower Upper
 128 100
 129 110.2 9.5 14.3#
 127 41.1 11.3 16.9#





#32

Benzoic acid

Concen: 7.48 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

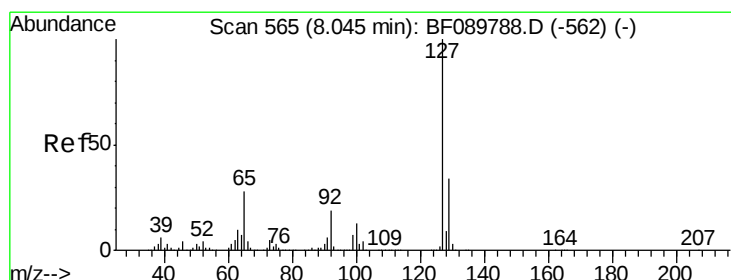
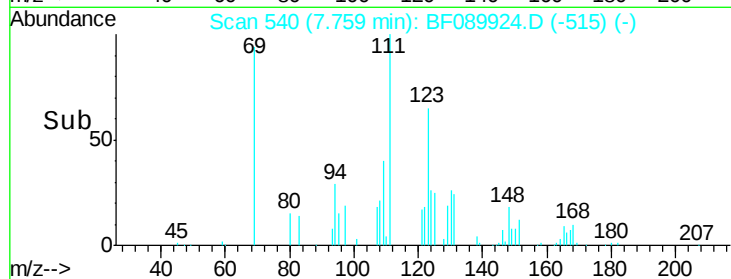
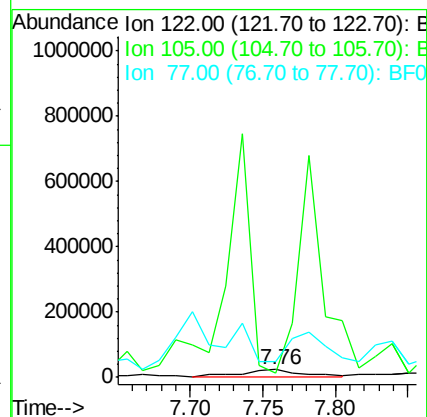
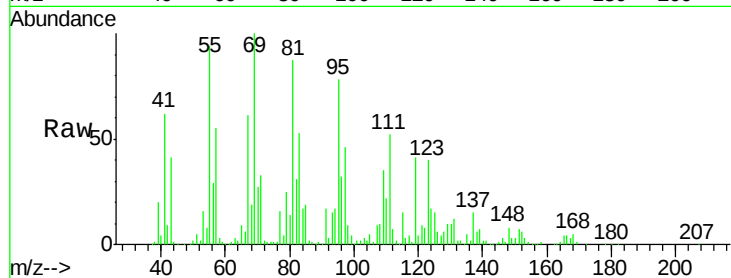
Tgt Ion:122 Resp: 56883

Ion Ratio Lower Upper

122 100

105 62.2 100.8 140.8#

77 203.1 72.1 112.1#



#33

4-Chloroaniline

Concen: 8.12 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Tgt Ion:127 Resp: 98951

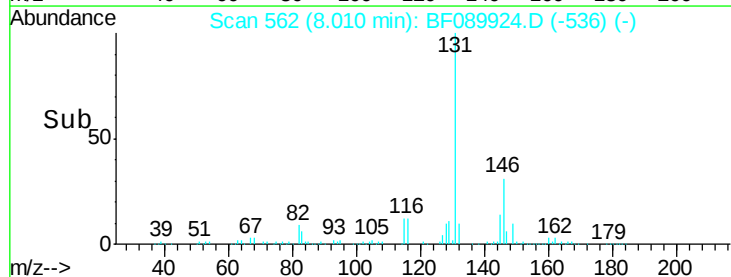
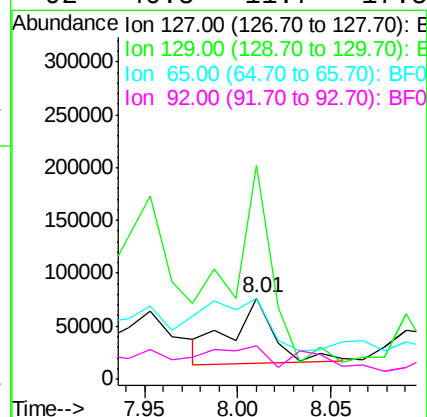
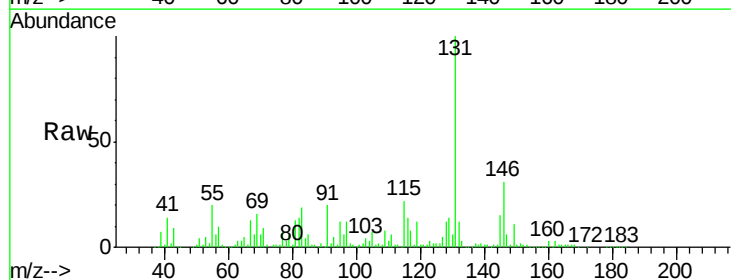
Ion Ratio Lower Upper

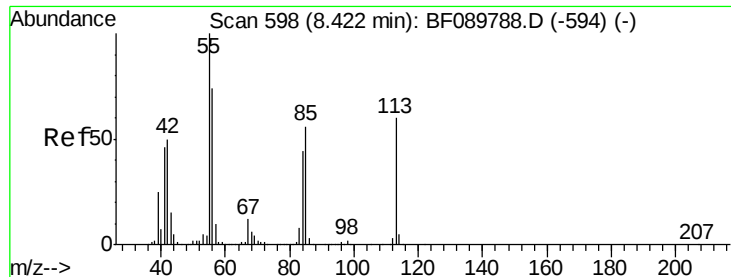
127 100

129 263.7 27.0 40.6#

65 99.2 14.7 22.1#

92 40.5 11.7 17.5#





#35

Caprolactam

Concen: 121.03 ng

RT: 8.42 min Scan# 598

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

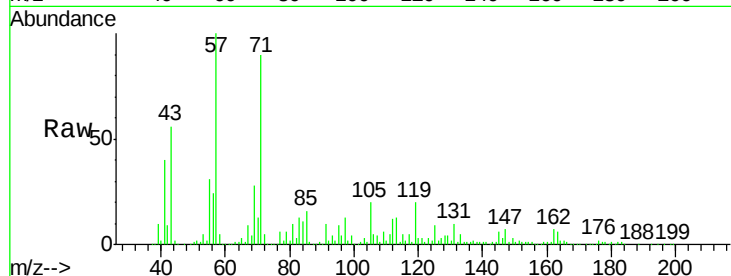
Tgt Ion:113 Resp: 301966

Ion Ratio Lower Upper

113 100

55 230.9 135.9 175.9#

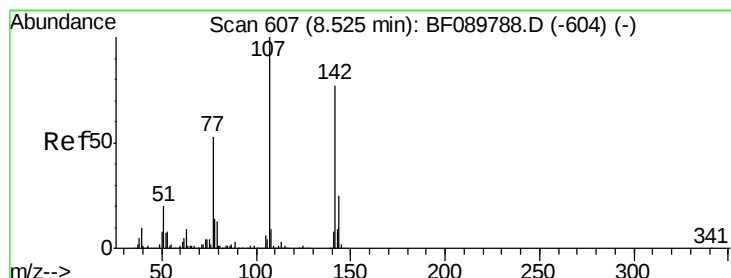
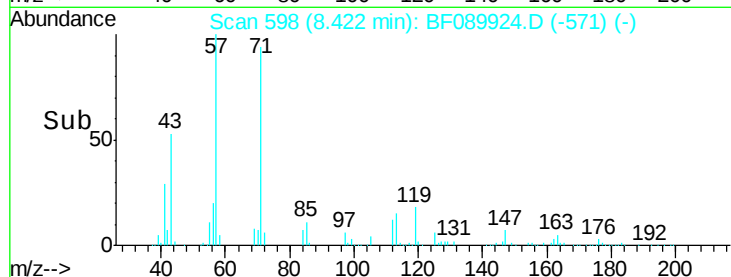
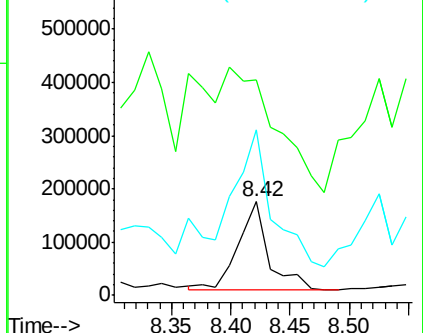
56 177.0 93.9 133.9#



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: 15.07 ng

RT: 8.49 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

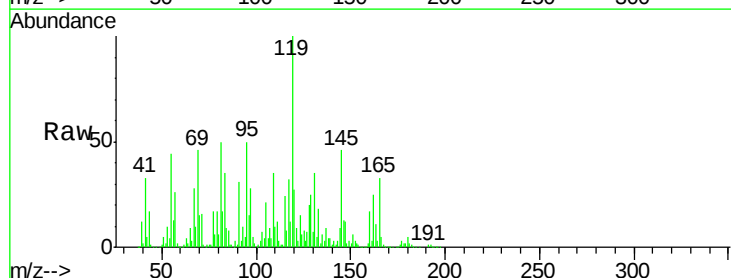
Tgt Ion:107 Resp: 133710

Ion Ratio Lower Upper

107 100

144 101.4 22.6 34.0#

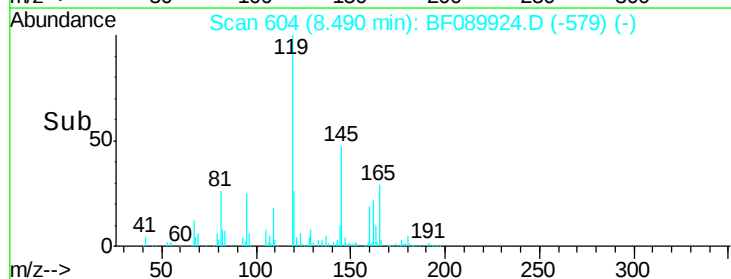
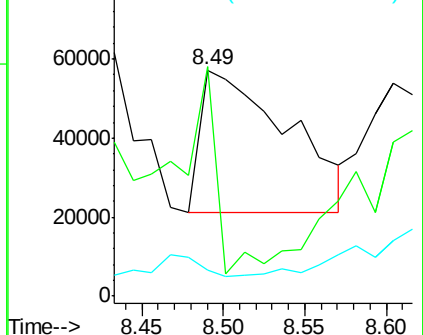
142 11.3 69.3 103.9#

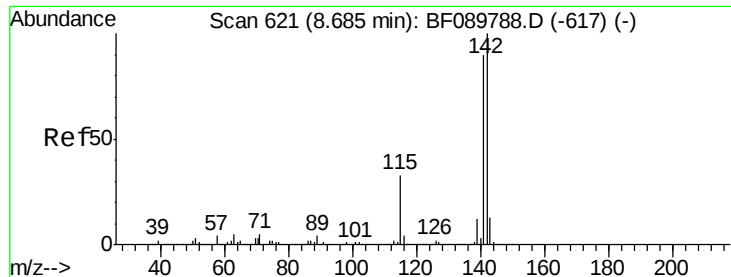


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

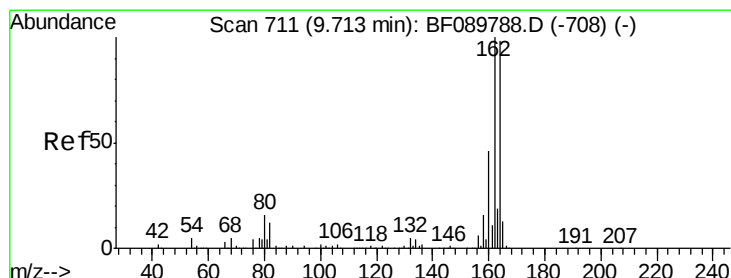
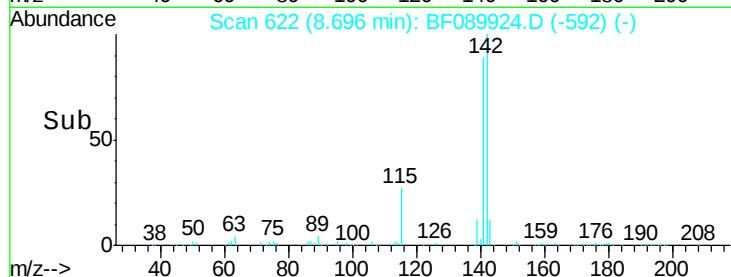
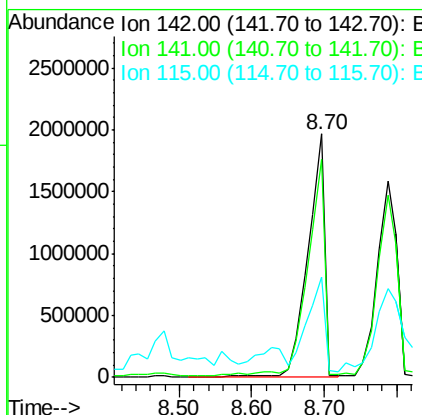
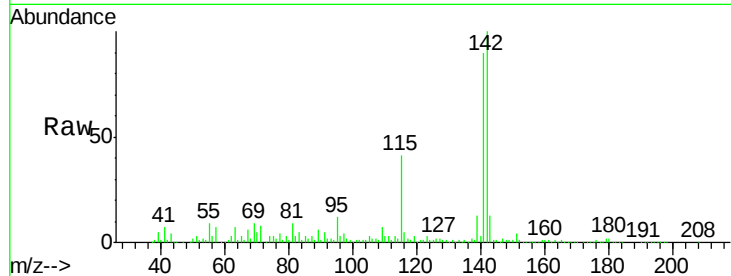




#37
 2-Methylnaphthalene
 Concen: 170.97 ng
 RT: 8.70 min Scan# 622
 Delta R.T. 0.05 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

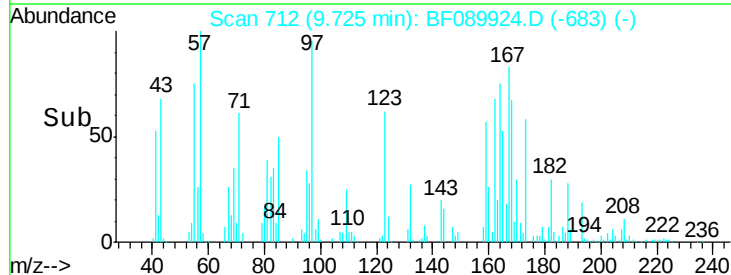
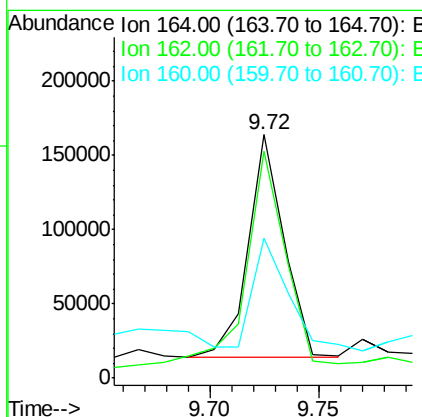
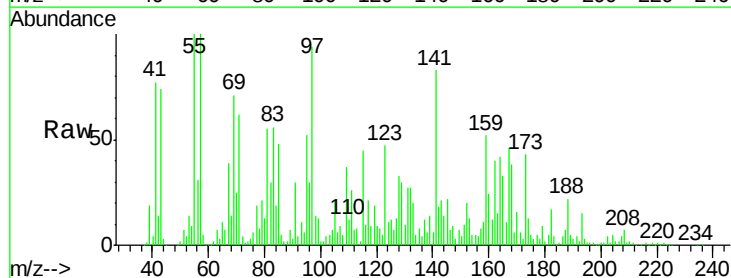
Instrument :
 BNA_F
 ClientSampleId :
 RW-1

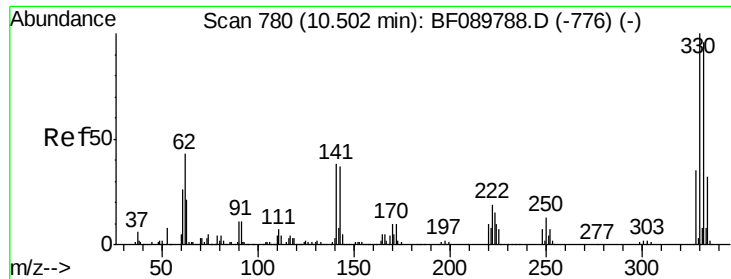
Tgt Ion:142 Resp: 3107998
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.4 107.2
 115 41.0 22.7 34.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.03 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:164 Resp: 173344
 Ion Ratio Lower Upper
 164 100
 162 93.3 81.4 122.2
 160 57.6 37.8 56.6#

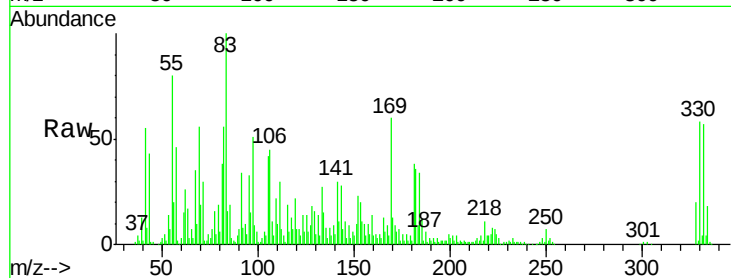




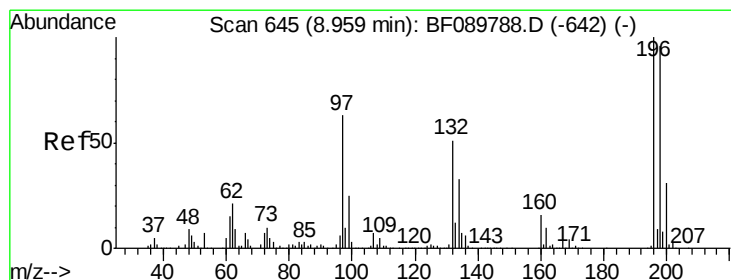
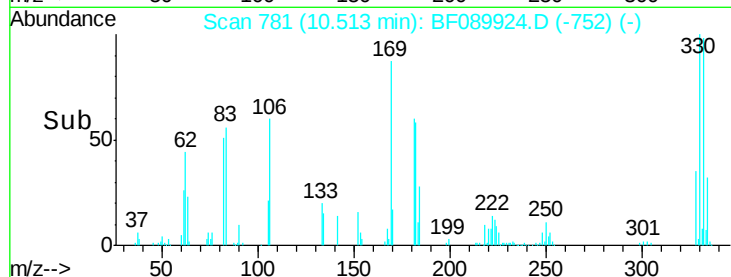
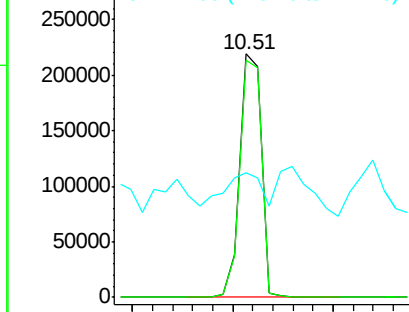
#41
 2,4,6-Tribromophenol
 Concen: 197.65 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.03 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Instrument :
 BNA_F
 ClientSampled :
 RW-1

Tgt Ion:330 Resp: 325603
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.7 115.1
 141 21.9 30.2 45.2#

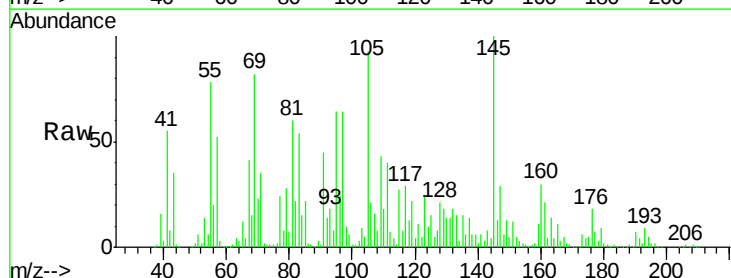


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

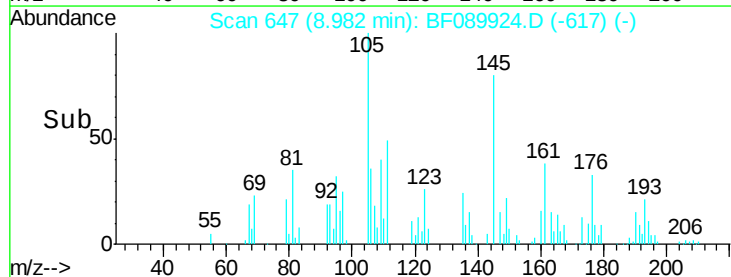
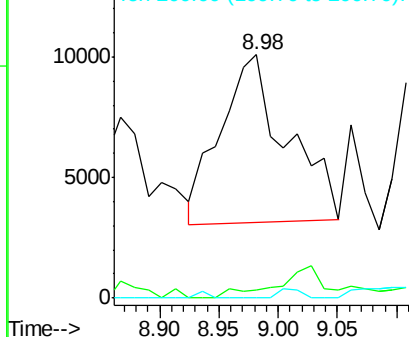


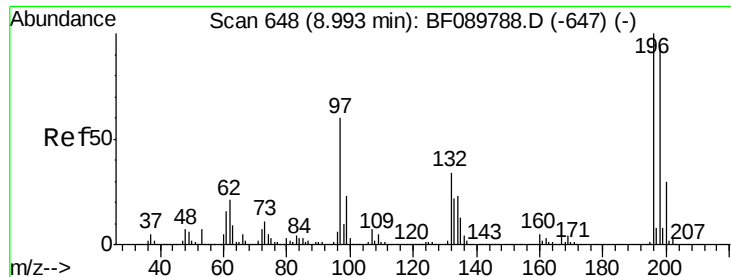
#42
 2,4,6-Trichlorophenol
 Concen: 7.64 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.05 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:196 Resp: 26981
 Ion Ratio Lower Upper
 196 100
 198 3.4 76.3 114.5#
 200 0.0 24.6 36.8#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

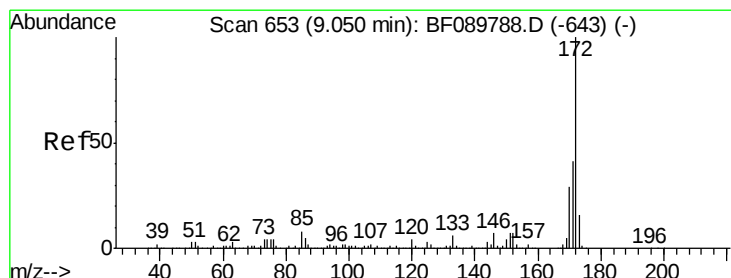
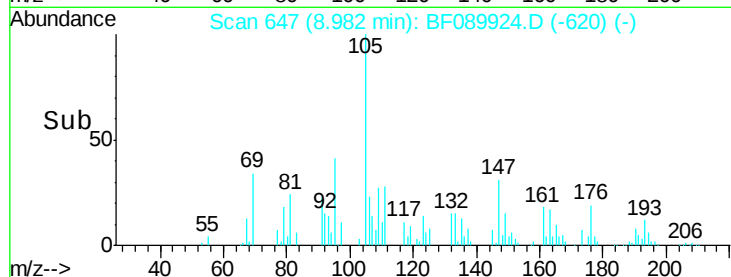
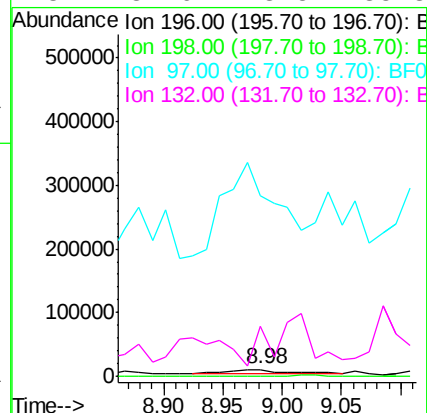
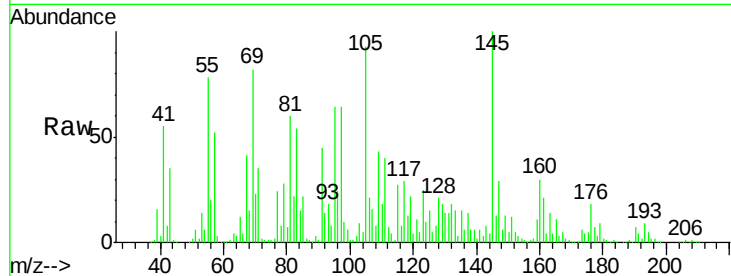




#43
 2,4,5-Trichlorophenol
 Concen: 7.46 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

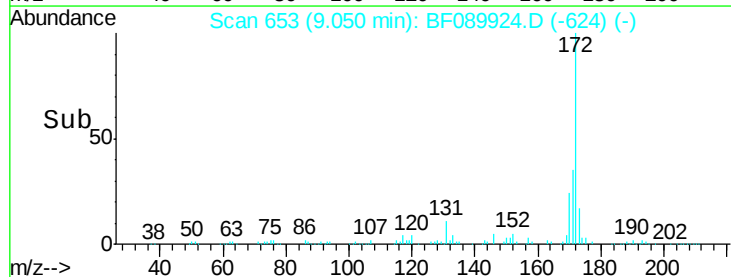
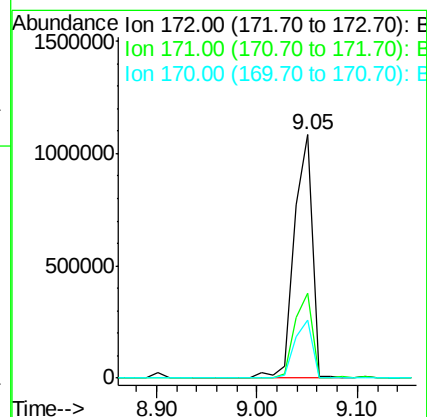
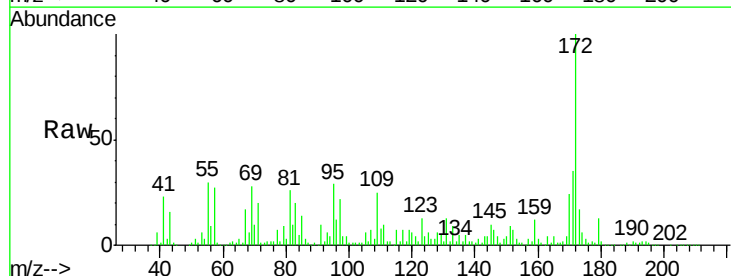
Instrument :
 BNA_F
 ClientSampleId :
 RW-1

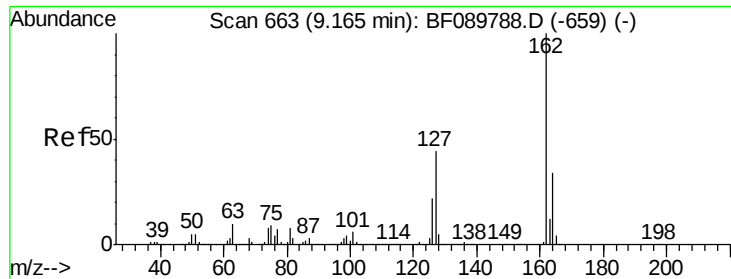
Tgt Ion:196 Resp: 26192
 Ion Ratio Lower Upper
 196 100
 198 3.4 76.6 114.8#
 97 2809.6 35.8 53.8#
 132 781.6 23.5 35.3#



#44
 2-Fluorobiphenyl
 Concen: 136.48 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.03 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:172 Resp: 1346082
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.5 45.7
 170 23.9 20.6 31.0

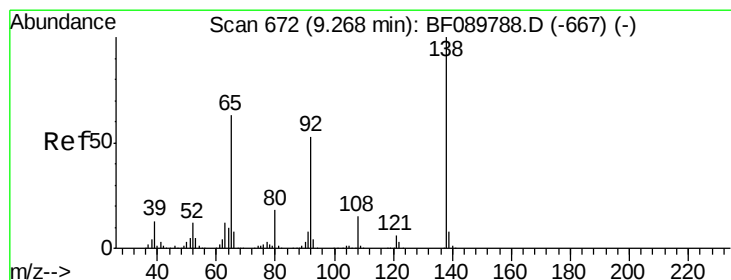
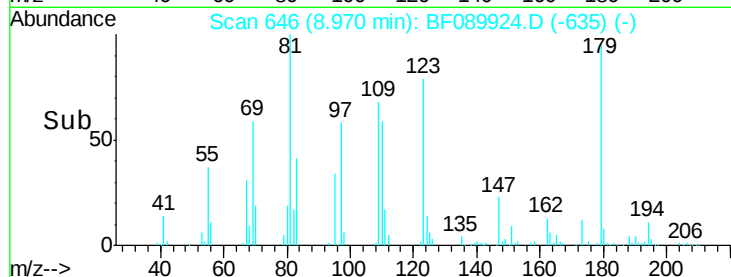
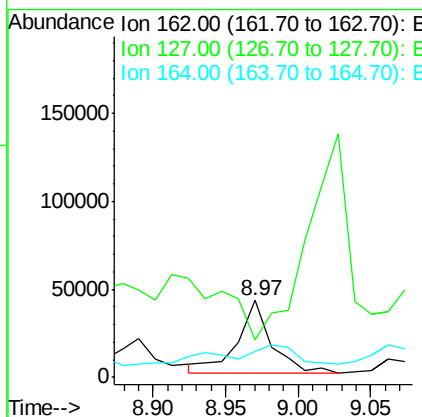
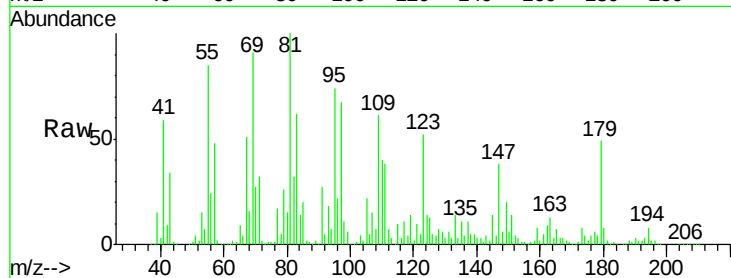




#46
2-Chloronaphthalene
Concen: 6.38 ng
RT: 8.97 min Scan# 646
Delta R.T. -0.17 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

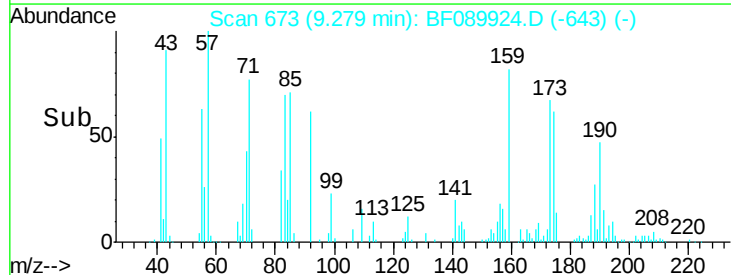
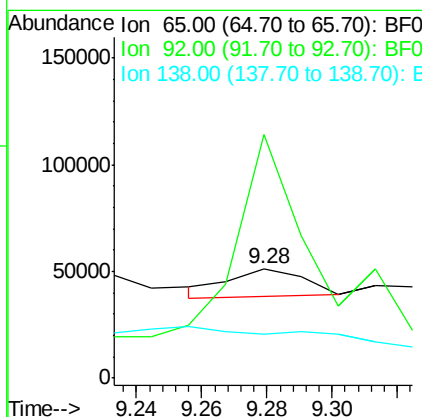
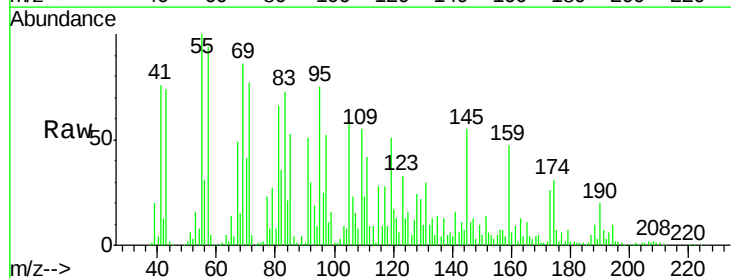
Instrument :
BNA_F
ClientSampleId :
RW-1

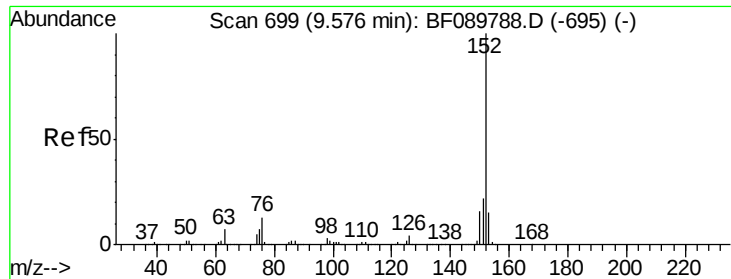
Tgt Ion: 162 Resp: 67639
Ion Ratio Lower Upper
162 100
127 49.1 35.5 53.3
164 34.5 26.6 40.0



#47
2-Nitroaniline
Concen: 6.67 ng
RT: 9.28 min Scan# 673
Delta R.T. 0.05 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Tgt Ion: 65 Resp: 20188
Ion Ratio Lower Upper
65 100
92 222.7 56.3 84.5#
138 40.1 81.8 122.8#

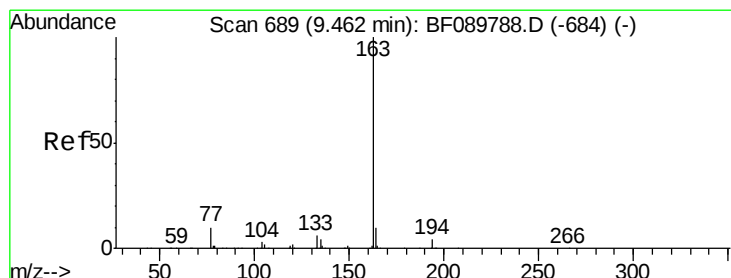
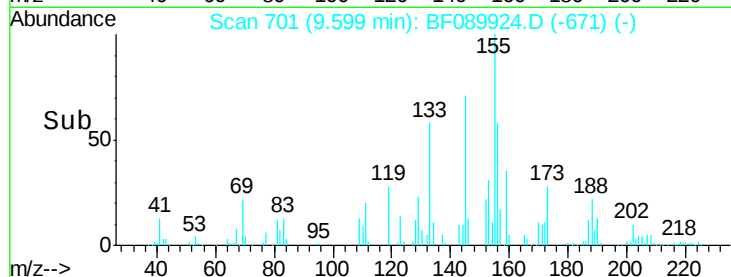
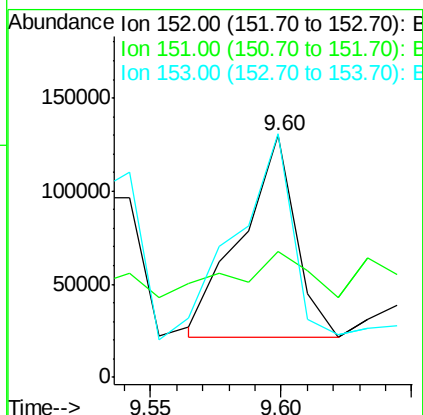
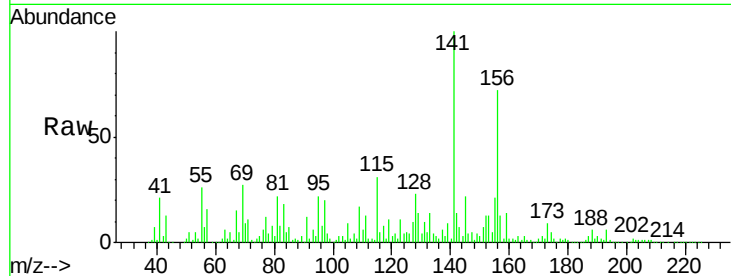




#48
Acenaphthylene
Concen: 9.86 ng
RT: 9.60 min Scan# 701
Delta R.T. 0.05 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

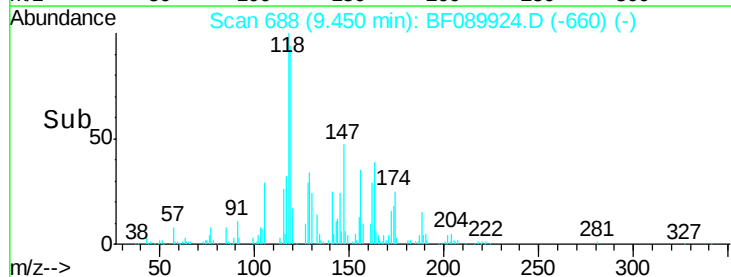
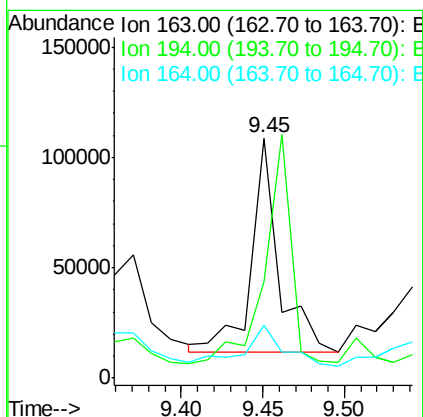
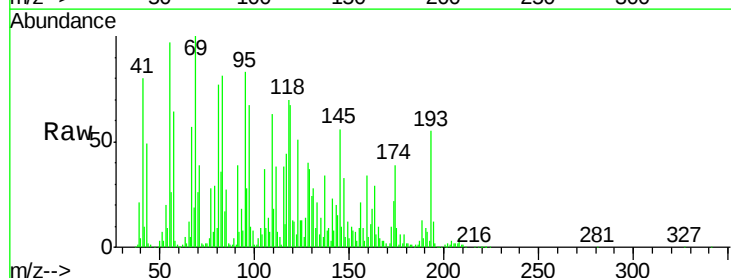
Instrument :
BNA_F
ClientSampleId :
RW-1

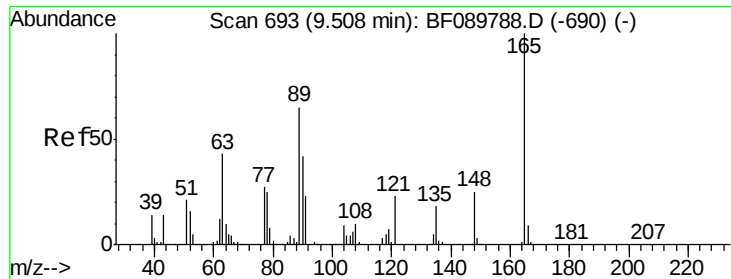
Tgt Ion:152 Resp: 157174
Ion Ratio Lower Upper
152 100
151 51.7 17.1 25.7#
153 100.5 11.2 16.8#



#49
Dimethylphthalate
Concen: 9.22 ng
RT: 9.45 min Scan# 688
Delta R.T. 0.02 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Tgt Ion:163 Resp: 112476
Ion Ratio Lower Upper
163 100
194 40.4 2.6 3.8#
164 22.2 8.6 12.8#

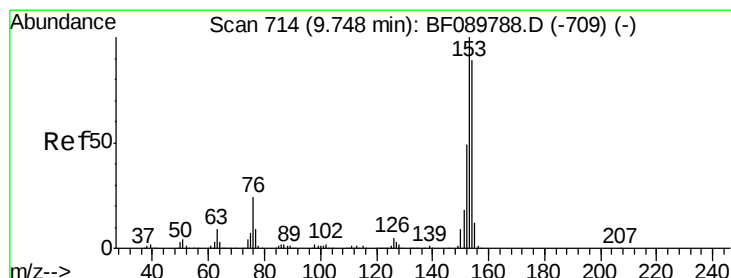
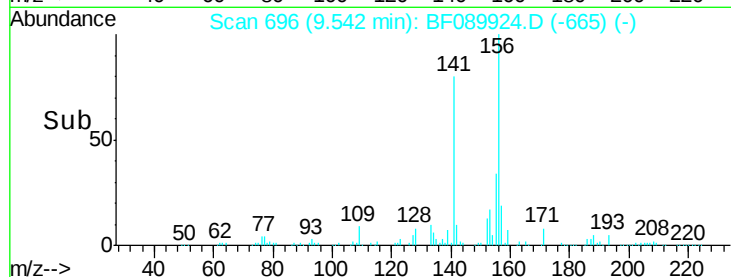
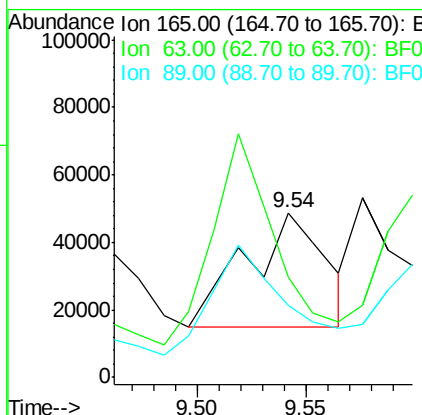
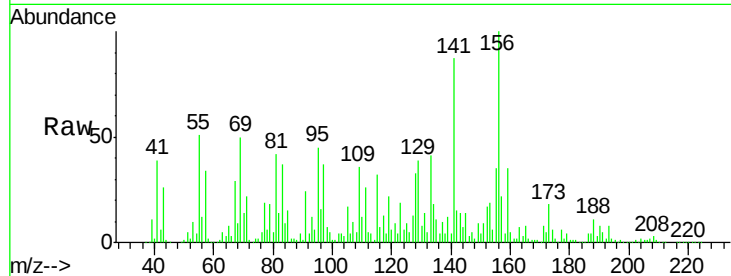




#50
 2,6-Dinitrotoluene
 Concen: 30.28 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.06 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

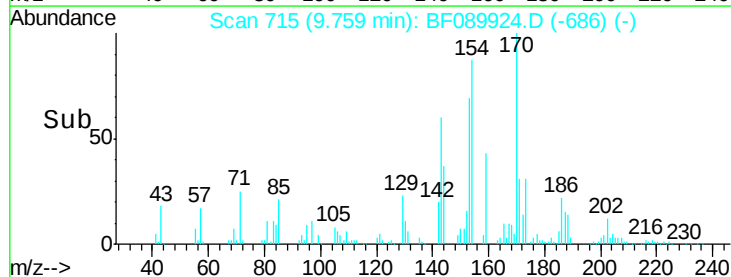
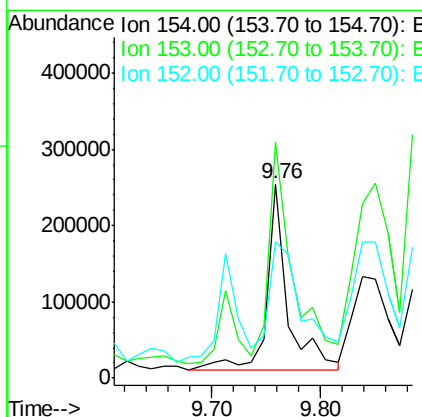
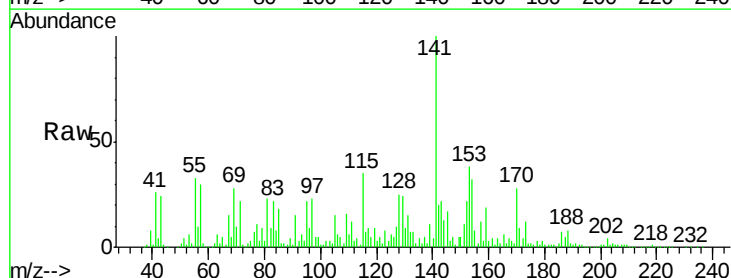
Instrument :
 BNA_F
 ClientSampled :
 RW-1

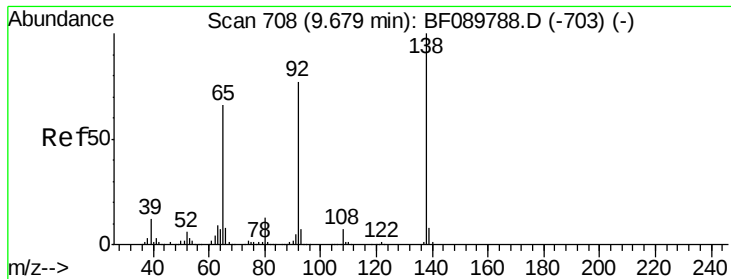
Tgt Ion:165 Resp: 85322
 Ion Ratio Lower Upper
 165 100
 63 61.2 41.7 62.5
 89 43.7 44.6 67.0#



#51
 Acenaphthene
 Concen: 30.71 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.03 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:154 Resp: 323813
 Ion Ratio Lower Upper
 154 100
 153 121.7 90.5 135.7
 152 69.9 44.6 67.0#





#52

3-Nitroaniline

Concen: 23.65 ng

RT: 9.69 min Scan# 709

Delta R.T. 0.05 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

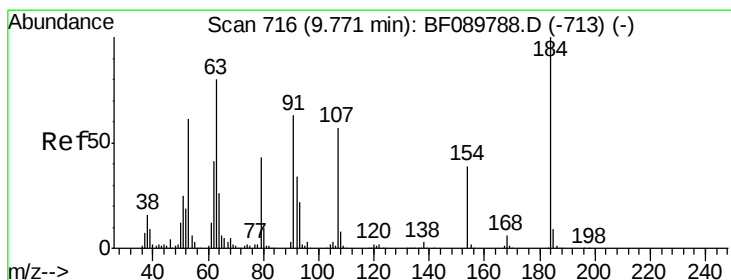
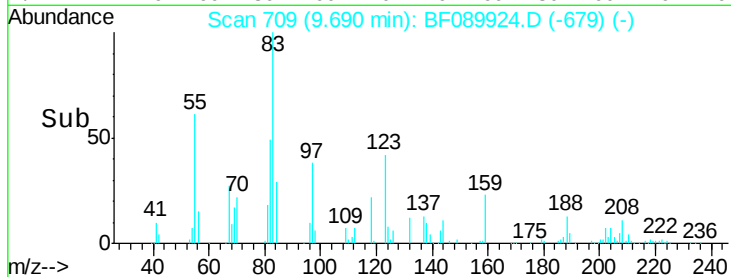
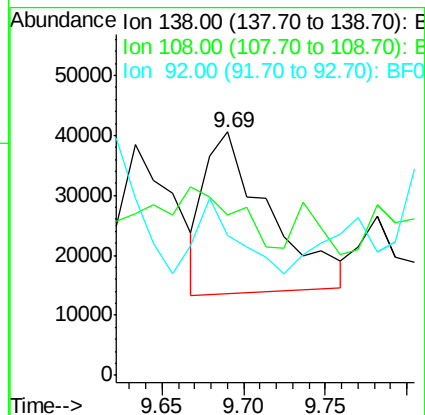
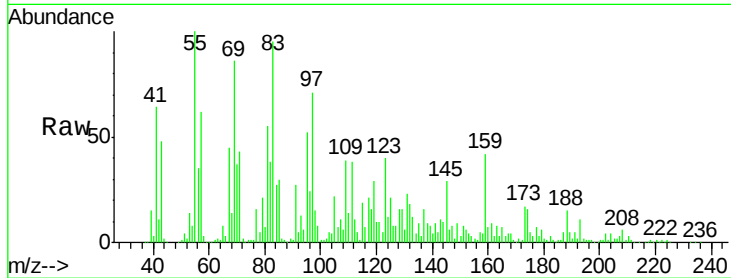
Tgt Ion:138 Resp: 73836

Ion Ratio Lower Upper

138 100

108 65.9 8.1 12.1#

92 57.6 92.7 139.1#



#53

2,4-Dinitrophenol

Concen: 5.40 ng

RT: 9.79 min Scan# 718

Delta R.T. 0.05 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

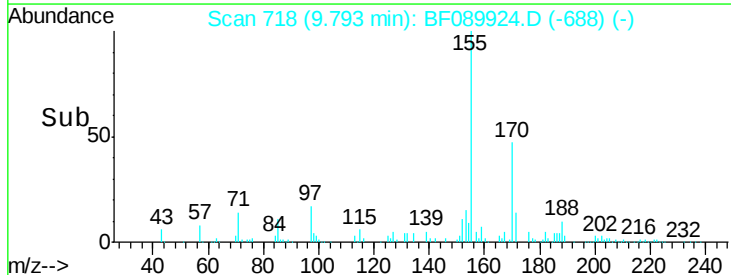
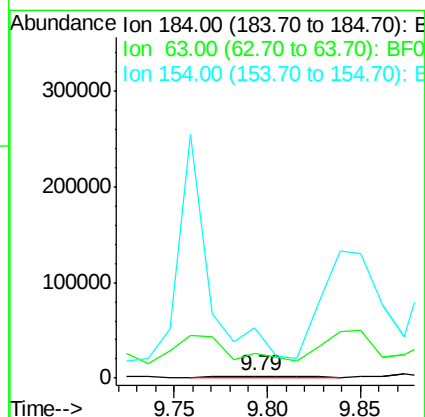
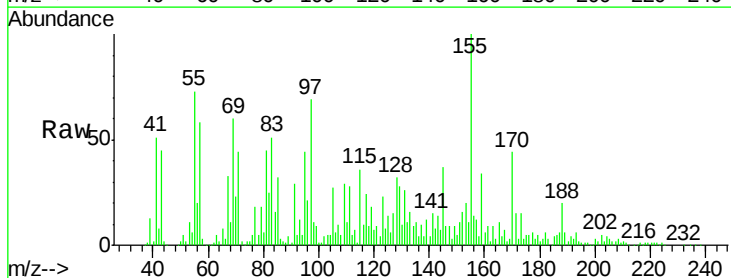
Tgt Ion:184 Resp: 3374

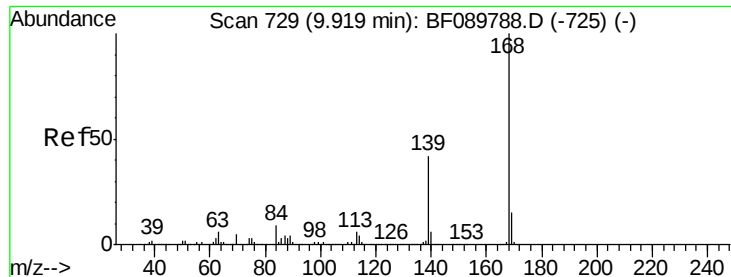
Ion Ratio Lower Upper

184 100

63 1205.6 54.2 81.4#

154 2447.4 52.7 79.1#

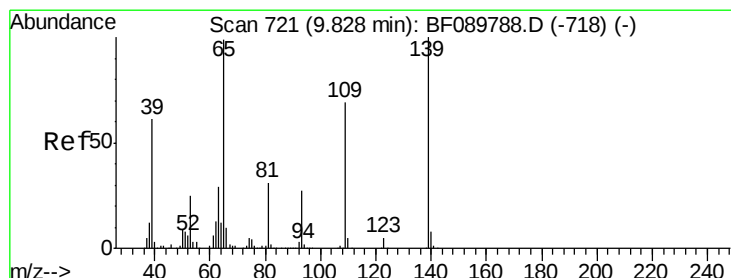
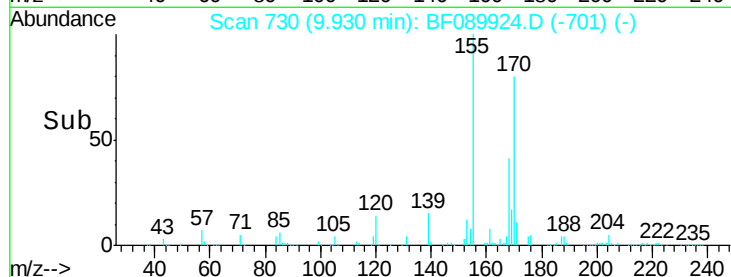
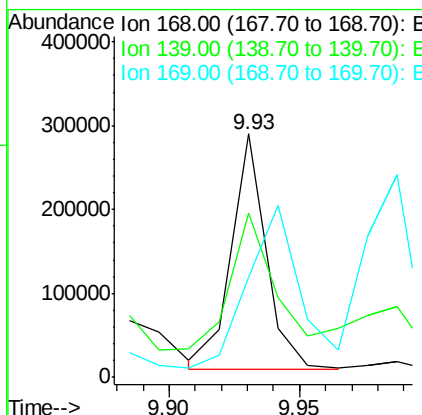
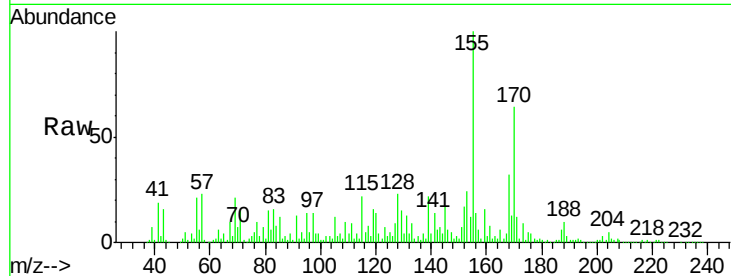




#54
Dibenzofuran
Concen: 19.96 ng
RT: 9.93 min Scan# 730
Delta R.T. 0.03 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

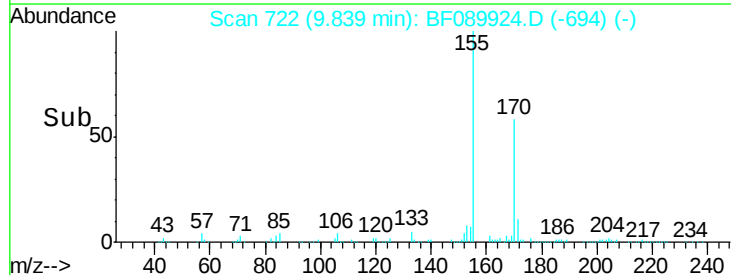
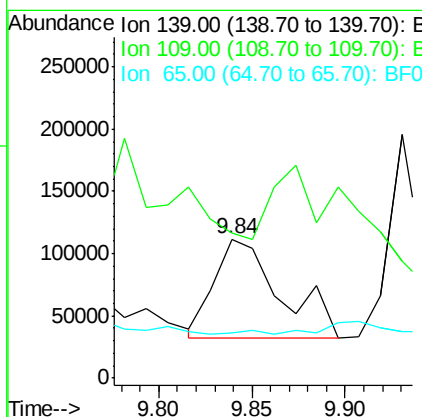
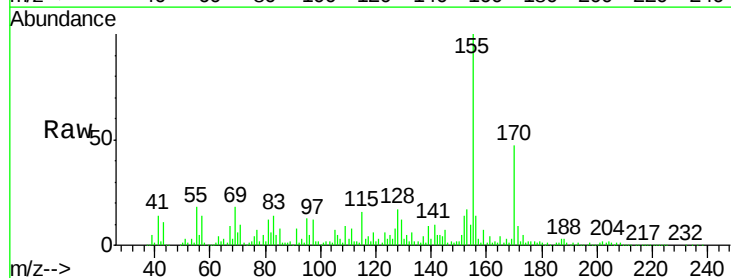
Instrument :
BNA_F
ClientSampleId :
RW-1

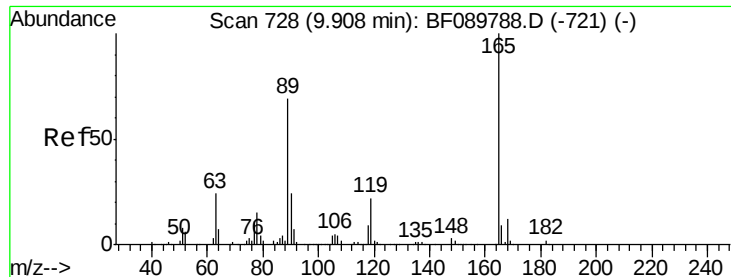
Tgt Ion:168 Resp: 264436
Ion Ratio Lower Upper
168 100
139 67.4 34.6 52.0#
169 41.2 11.5 17.3#



#55
4-Nitrophenol
Concen: 76.09 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.02 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Tgt Ion:139 Resp: 193900
Ion Ratio Lower Upper
139 100
109 103.9 43.0 83.0#
65 32.4 55.7 95.7#

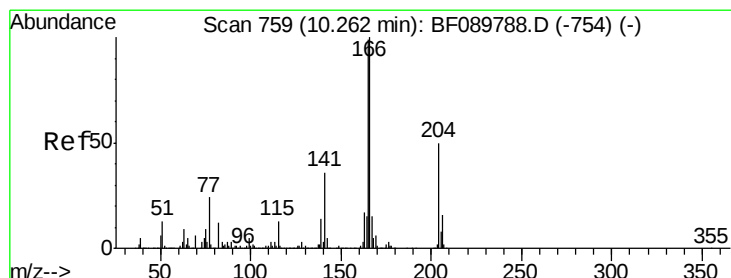
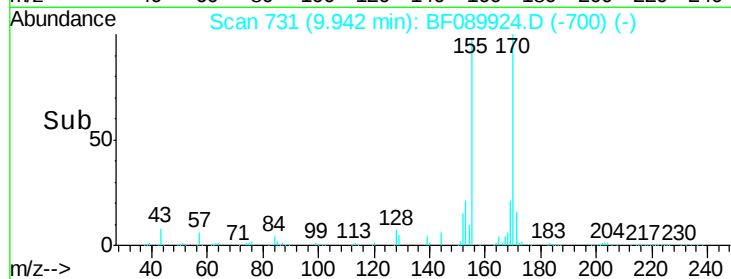
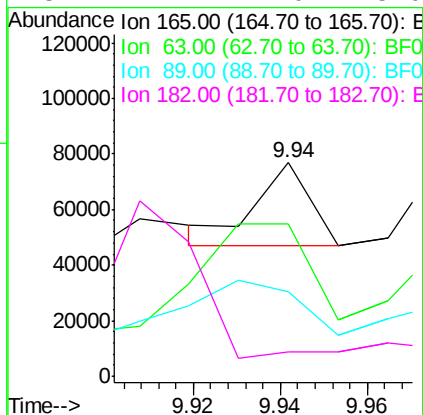
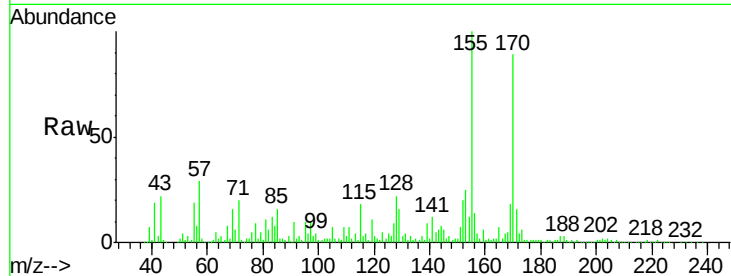




#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.94 min Scan# 731
 Delta R.T. 0.06 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

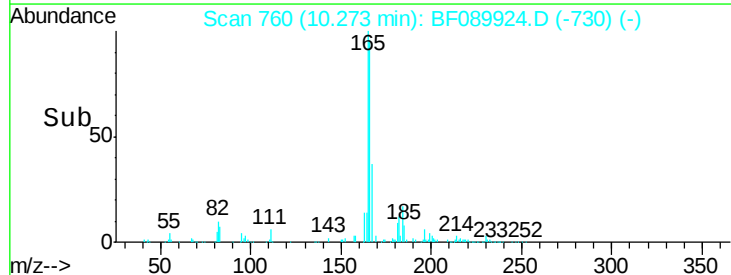
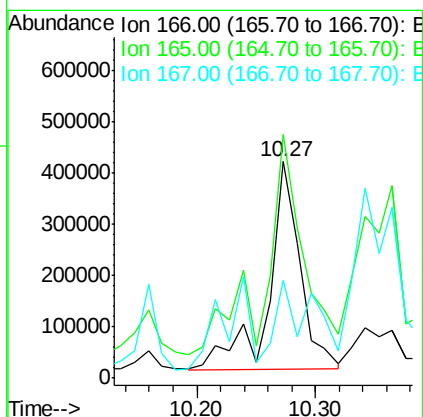
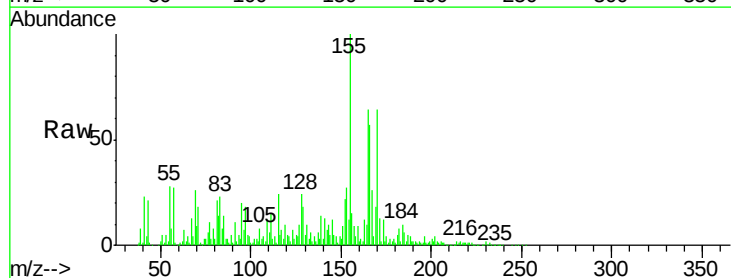
Instrument :
 BNA_F
 ClientSampled :
 RW-1

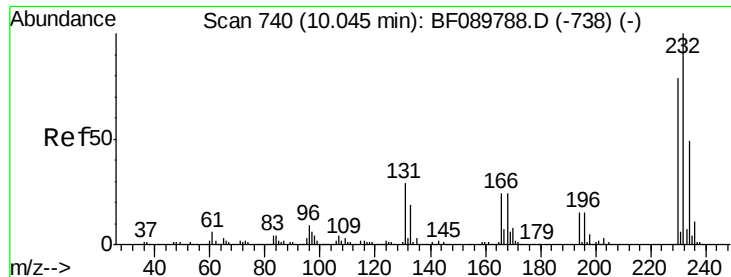
Tgt Ion:165 Resp: 25448
 Ion Ratio Lower Upper
 165 100
 63 71.1 23.7 35.5#
 89 39.7 44.0 66.0#
 182 11.1 2.0 3.0#



#57
 Fluorene
 Concen: 71.62 ng
 RT: 10.27 min Scan# 760
 Delta R.T. 0.05 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:166 Resp: 755990
 Ion Ratio Lower Upper
 166 100
 165 112.4 80.2 120.4
 167 44.8 11.3 16.9#

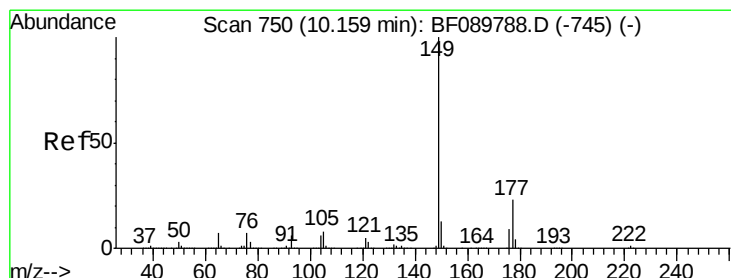
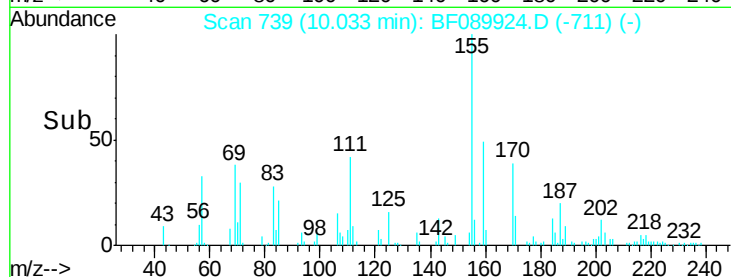
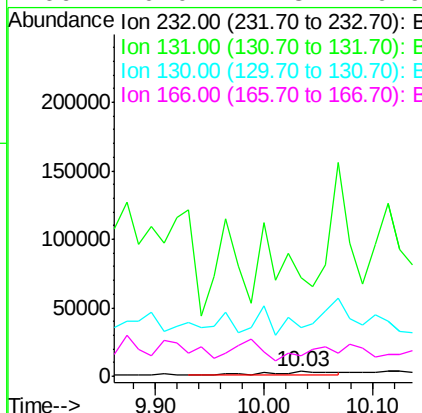
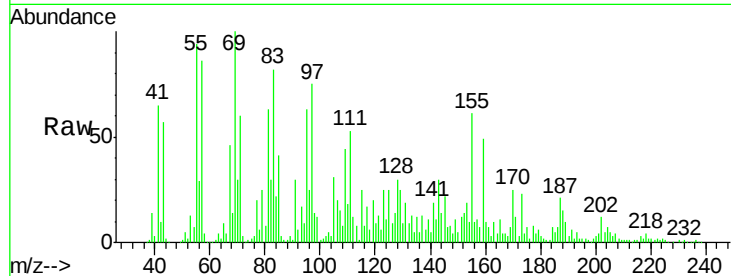




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.16 ng
 RT: 10.03 min Scan# 739
 Delta R.T. 0.02 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

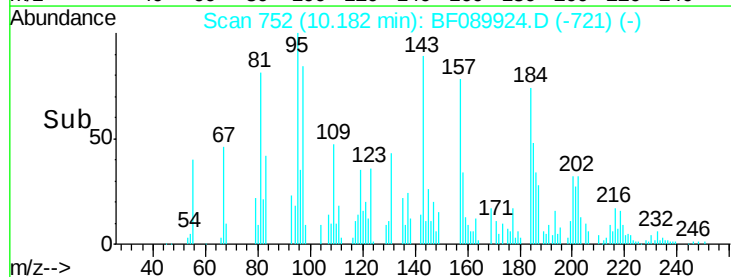
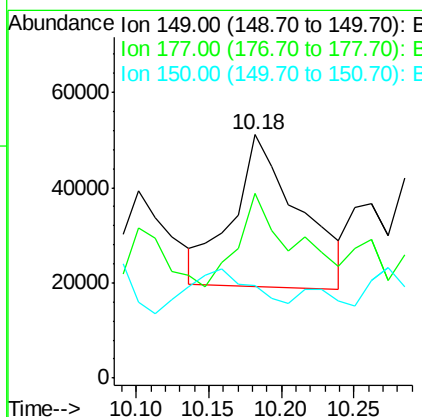
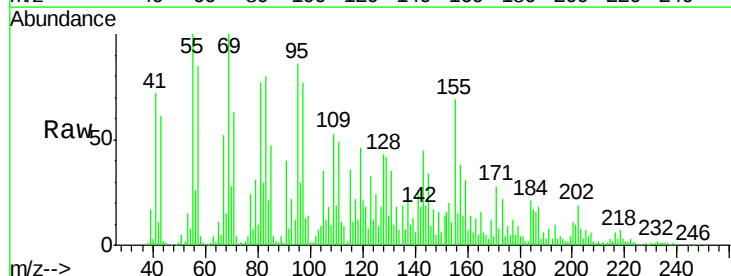
Instrument :
 BNA_F
 ClientSampleId :
 RW-1

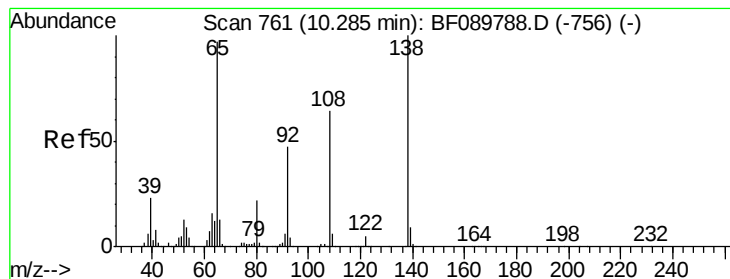
Tgt Ion: 232 Resp: 8089
 Ion Ratio Lower Upper
 232 100
 131 0.0 42.5 63.7#
 130 0.0 2.2 3.4#
 166 0.0 27.3 40.9#



#59
 Diethylphthalate
 Concen: 8.22 ng
 RT: 10.18 min Scan# 752
 Delta R.T. 0.06 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion: 149 Resp: 101875
 Ion Ratio Lower Upper
 149 100
 177 76.0 16.6 25.0#
 150 38.1 10.5 15.7#





#61

4-Nitroaniline

Concen: 12.01 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.07 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

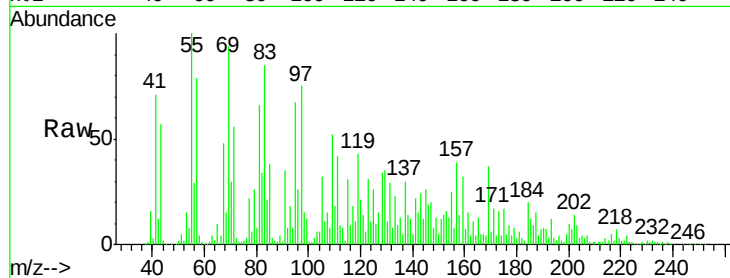
Tgt Ion:138 Resp: 35164

Ion Ratio Lower Upper

138 100

92 55.8 26.4 66.4

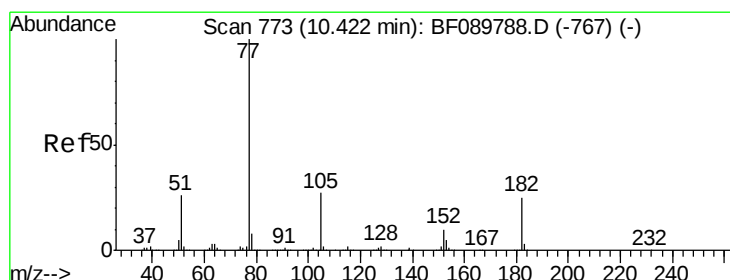
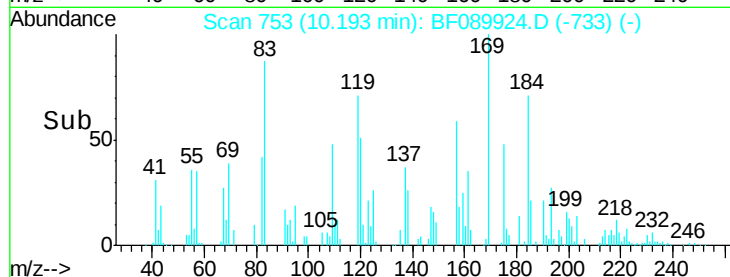
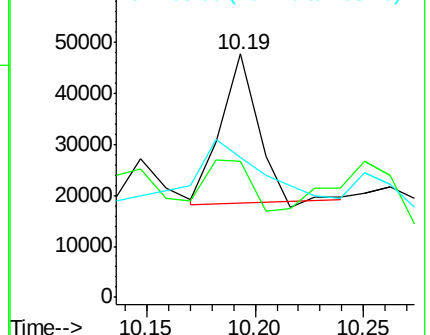
108 57.3 47.0 87.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 17.61 ng

RT: 10.43 min Scan# 774

Delta R.T. 0.05 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Tgt Ion: 77 Resp: 205240

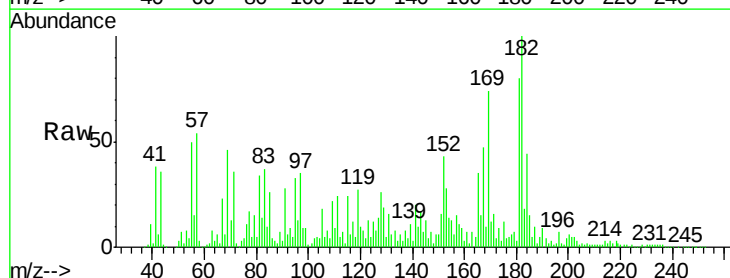
Ion Ratio Lower Upper

77 100

182 580.3 5.6 45.6#

105 104.3 4.0 44.0#

51 38.3 7.8 47.8

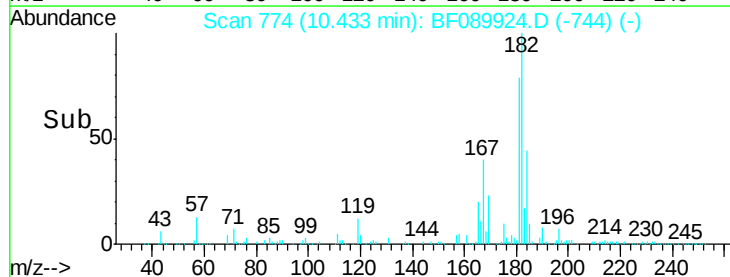
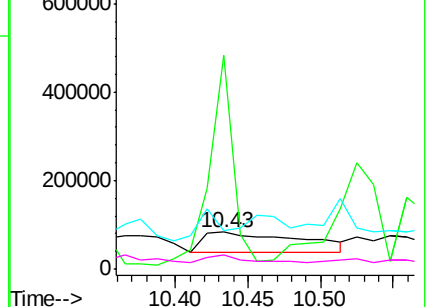


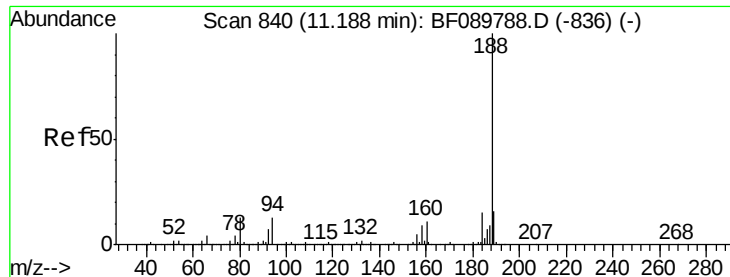
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.20 min Scan# 841

Delta R.T. 0.05 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

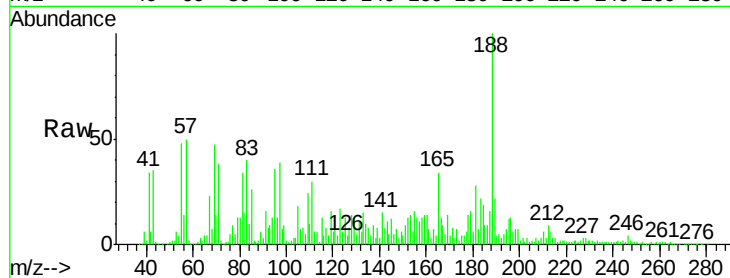
Tgt Ion:188 Resp: 509148

Ion Ratio Lower Upper

188 100

94 13.0 10.2 15.2

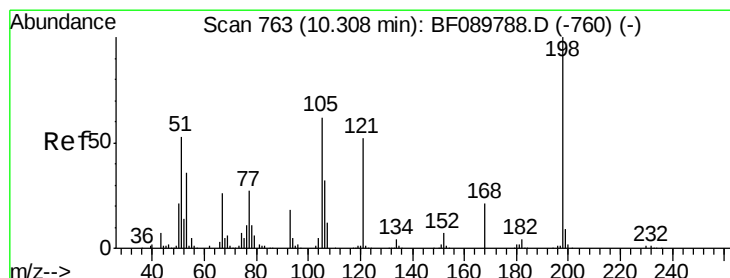
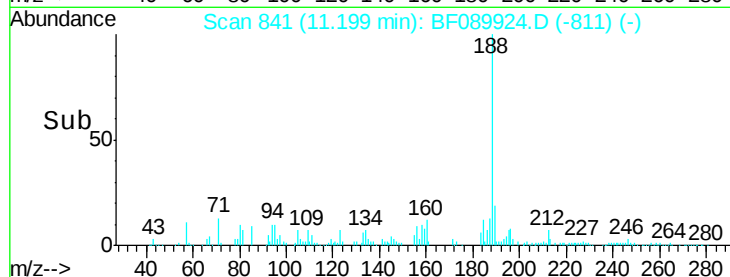
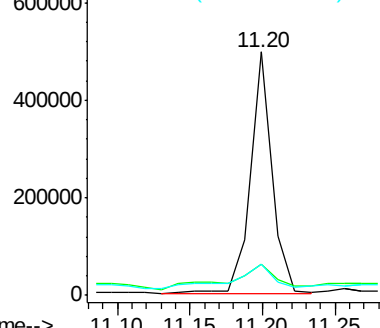
80 12.8 10.9 16.3



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: 2.16 ng

RT: 10.35 min Scan# 767

Delta R.T. 0.07 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

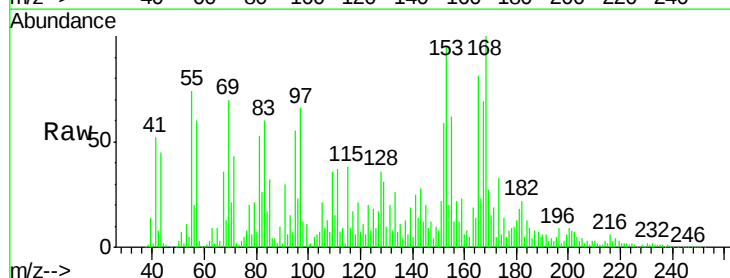
Tgt Ion:198 Resp: 6323

Ion Ratio Lower Upper

198 100

51 272.7 32.3 72.3#

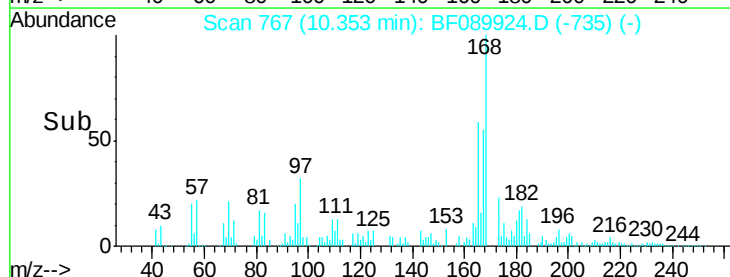
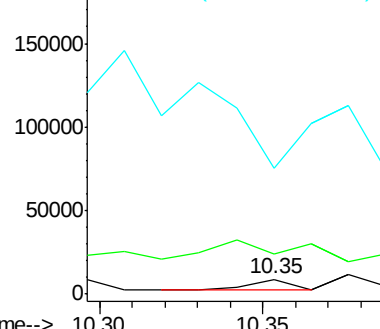
105 842.5 32.9 72.9#

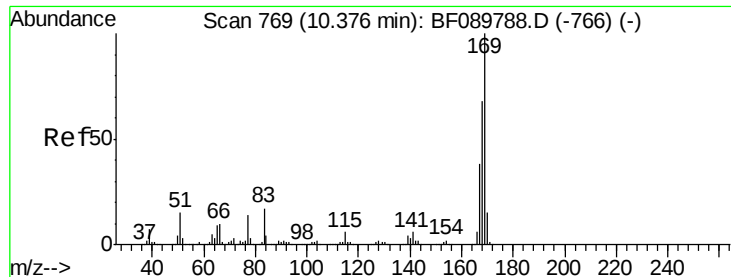


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.38 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.05 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

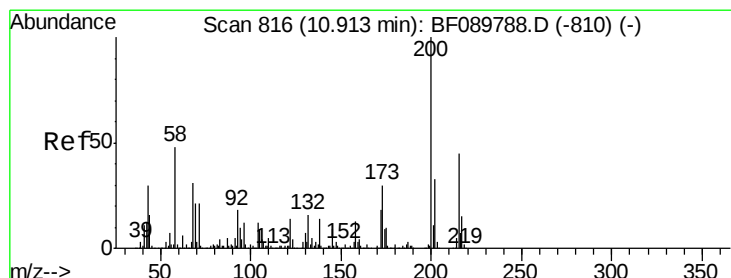
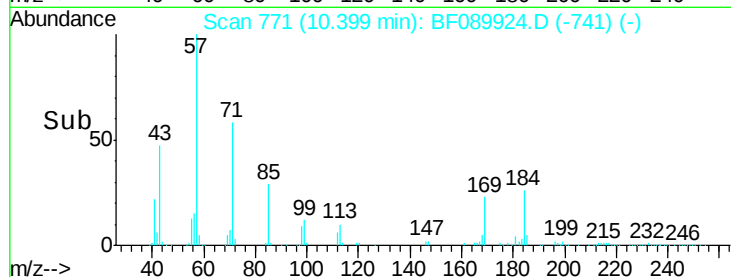
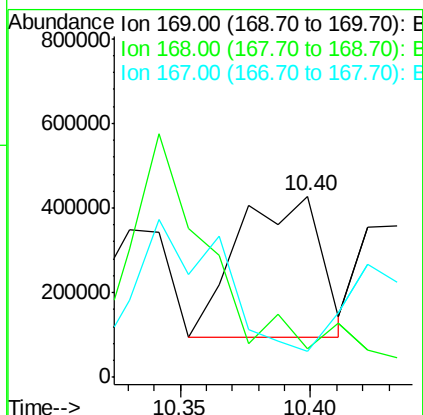
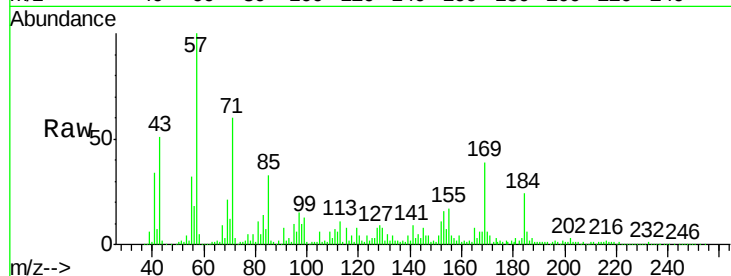
Tgt Ion:169 Resp: 742513

Ion Ratio Lower Upper

169 100

168 15.8 54.6 82.0#

167 14.3 30.6 45.8#



#68

Atrazine

Concen: 11.79 ng

RT: 10.94 min Scan# 818

Delta R.T. 0.05 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

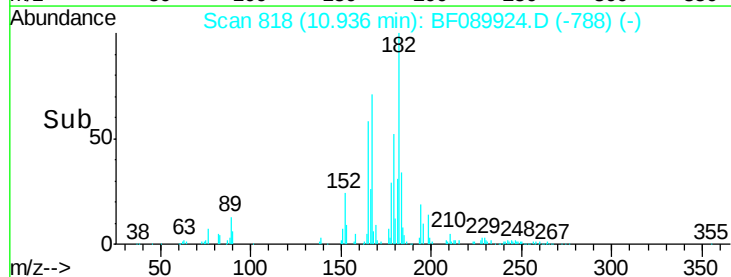
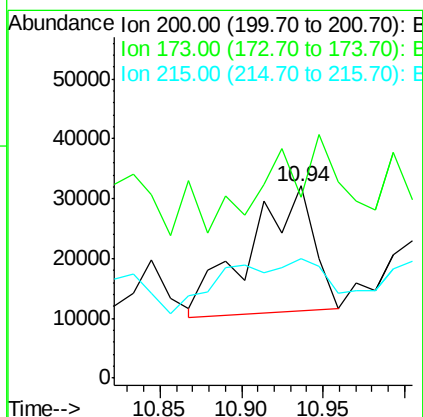
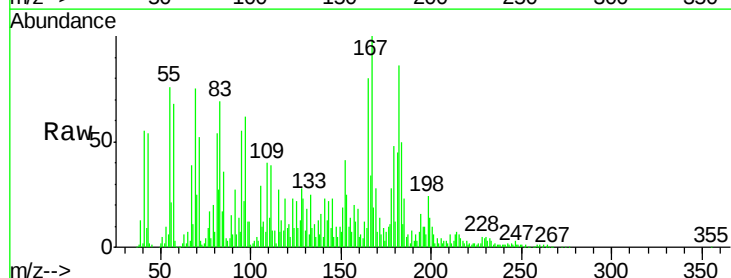
Tgt Ion:200 Resp: 57821

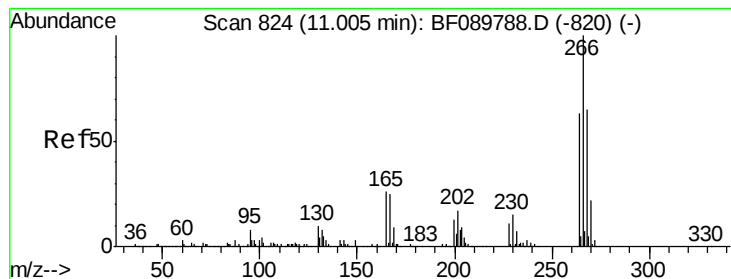
Ion Ratio Lower Upper

200 100

173 94.0 6.6 46.6#

215 62.0 24.7 64.7





#69

Pentachlorophenol

Concen: 2.30 ng

RT: 11.05 min Scan# 828

Delta R.T. 0.08 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

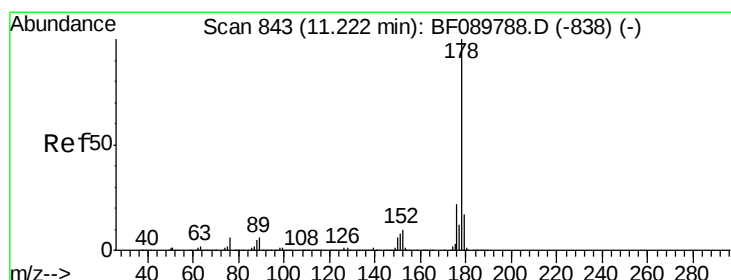
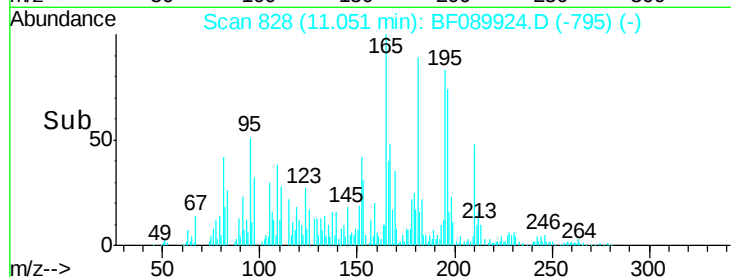
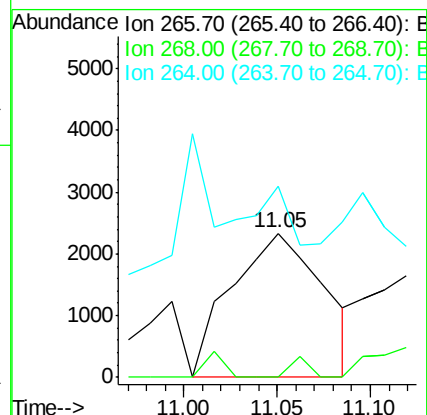
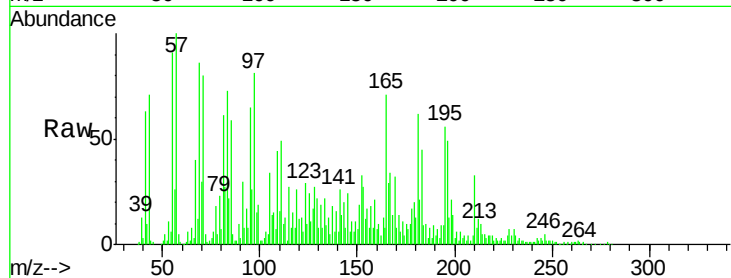
Tgt Ion:266 Resp: 7954

Ion Ratio Lower Upper

266 100

268 0.0 53.2 79.8#

264 132.4 51.1 76.7#



#70

Phenanthrene

Concen: 72.57 ng

RT: 11.22 min Scan# 843

Delta R.T. 0.03 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

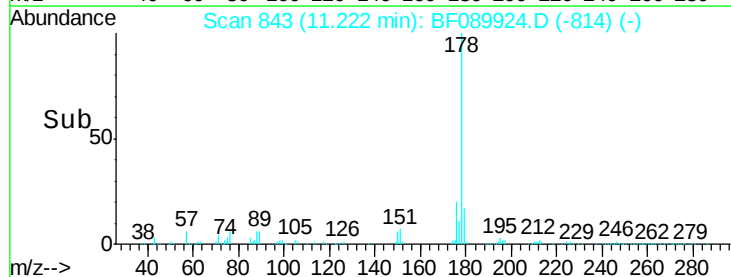
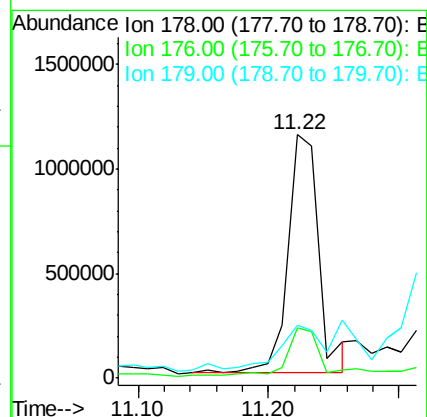
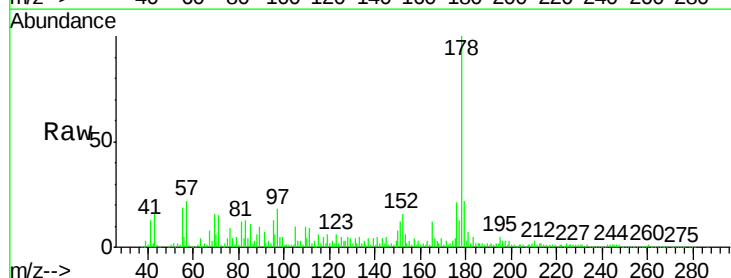
Tgt Ion:178 Resp: 1866034

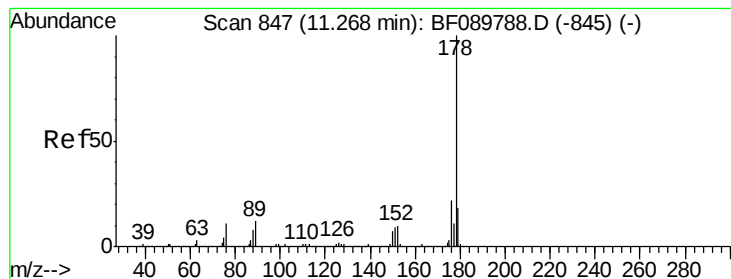
Ion Ratio Lower Upper

178 100

176 20.5 16.4 24.6

179 21.8 12.5 18.7#





#71

Anthracene

Concen: 7.37 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.09 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

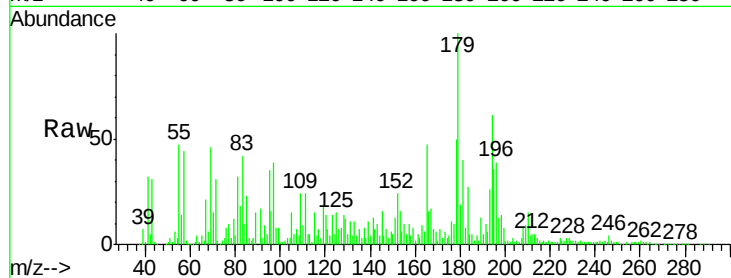
Tgt Ion:178 Resp: 192557

Ion Ratio Lower Upper

178 100

176 22.4 16.4 24.6

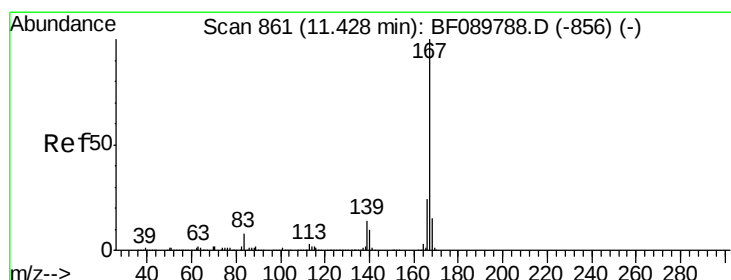
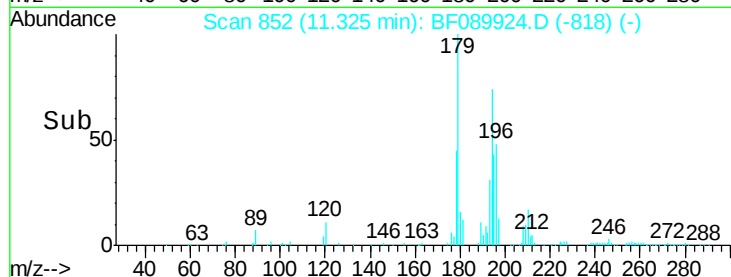
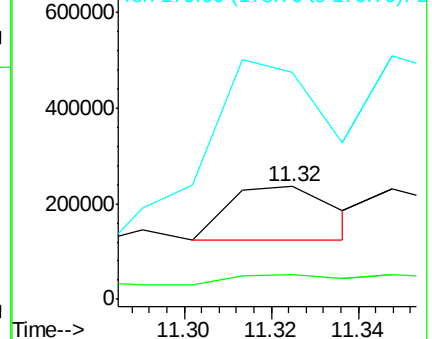
179 201.3 13.1 19.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.44 ng

RT: 11.42 min Scan# 860

Delta R.T. 0.02 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

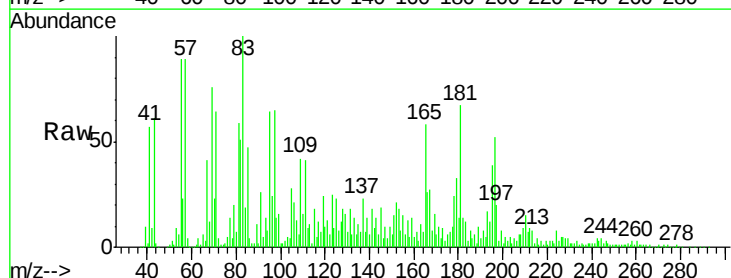
Tgt Ion:167 Resp: 80722

Ion Ratio Lower Upper

167 100

166 98.8 17.9 26.9#

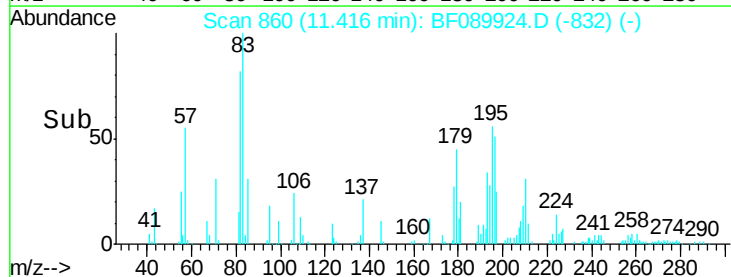
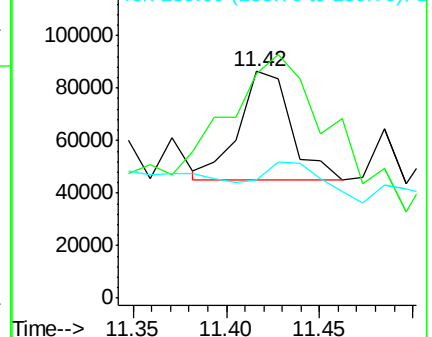
139 52.1 12.4 18.6#

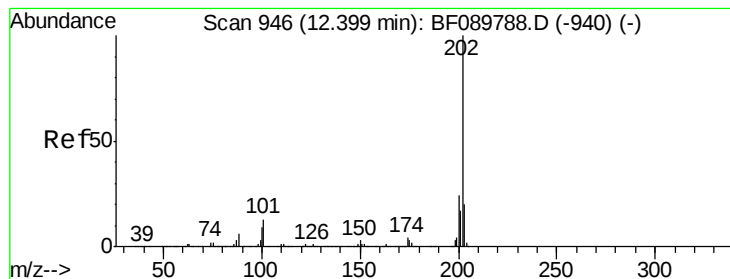


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 4.73 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.02 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

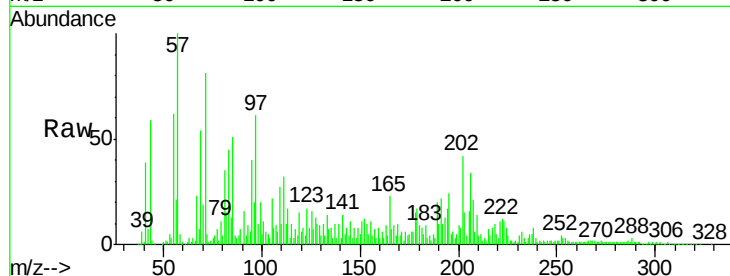
Tgt Ion:202 Resp: 115686

Ion Ratio Lower Upper

202 100

101 25.3 0.0 31.2

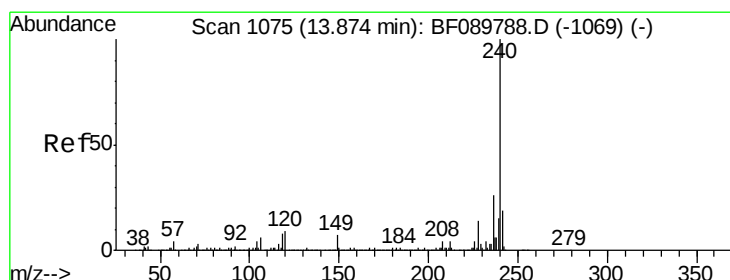
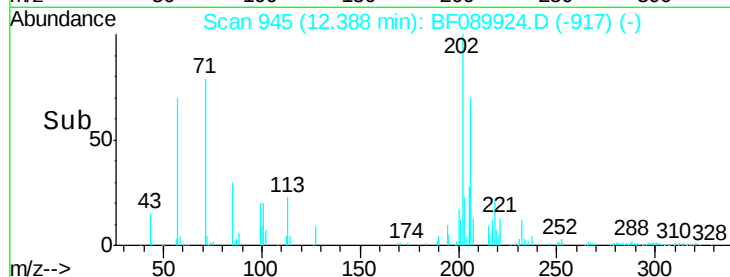
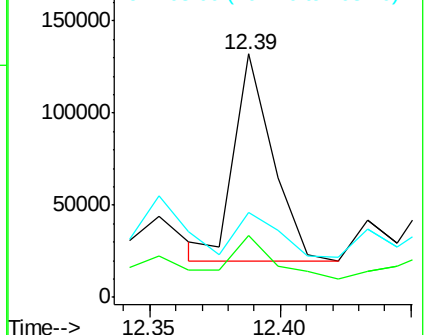
203 35.0 0.0 38.1



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: 13.78 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

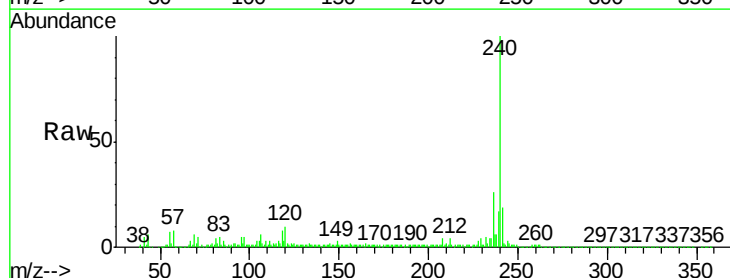
Tgt Ion:240 Resp: 601887

Ion Ratio Lower Upper

240 100

120 9.7 8.3 12.5

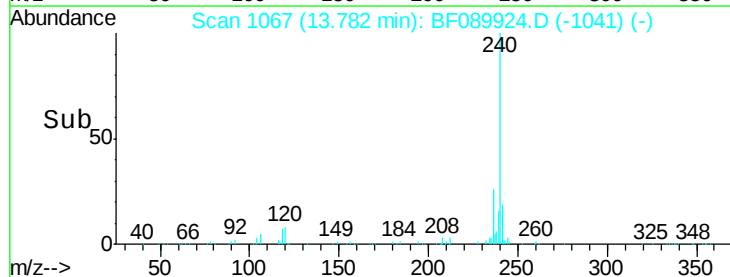
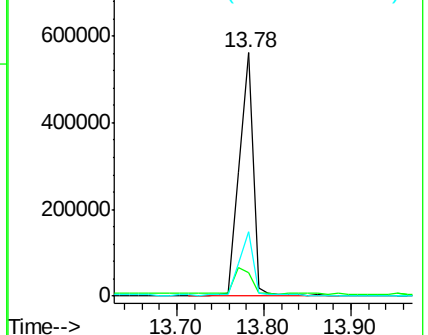
236 26.4 21.3 31.9

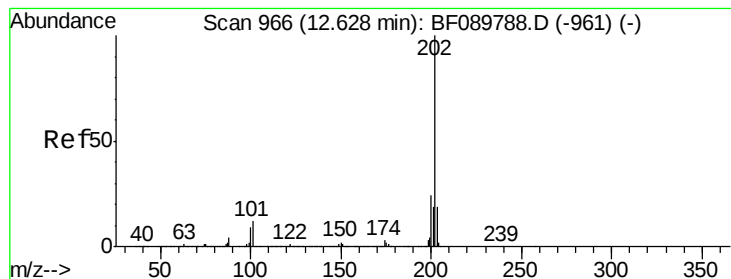


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 12.41 ng

RT: 12.60 min Scan# 964

Delta R.T. 0.02 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

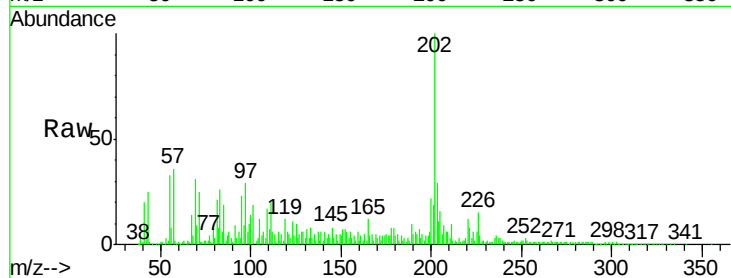
Tgt Ion:202 Resp: 608374

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

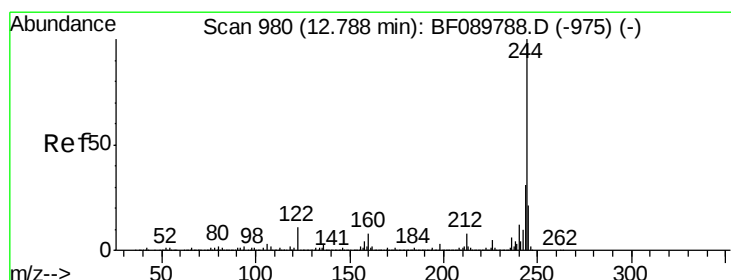
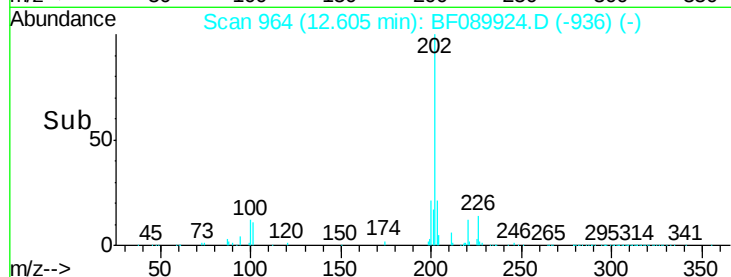
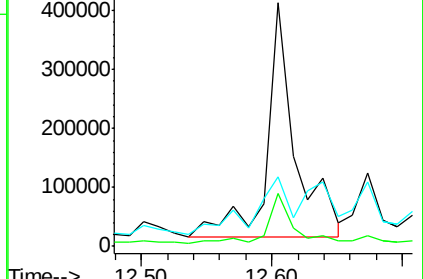
203 28.6 14.2 21.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 55.32 ng

RT: 12.75 min Scan# 977

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

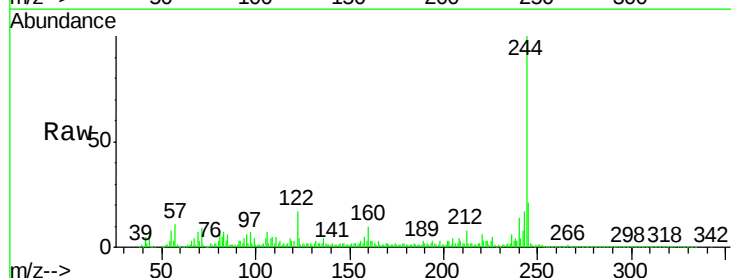
Tgt Ion:244 Resp: 1471852

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

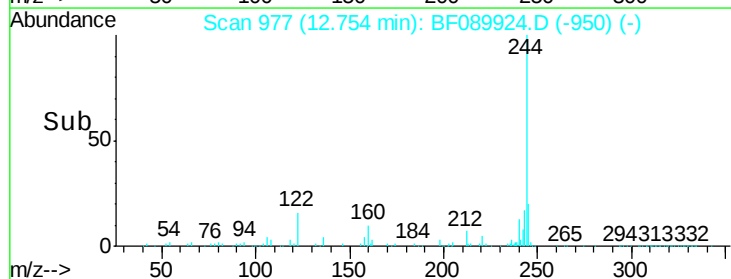
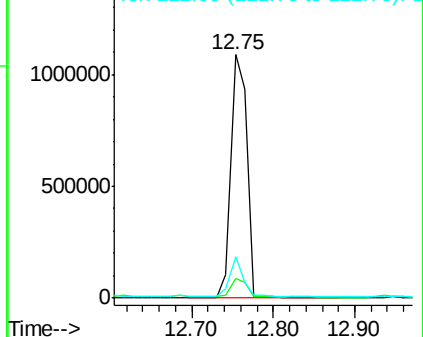
122 17.0 12.0 18.0

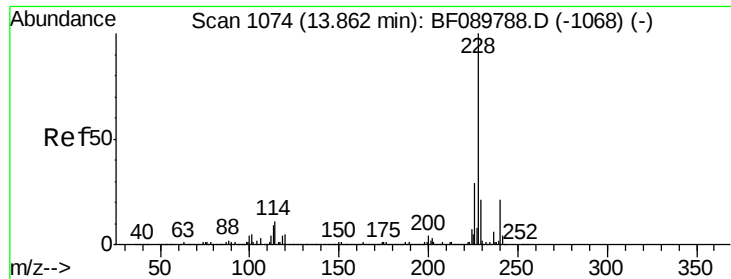


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.05 ng

RT: 13.81 min Scan# 1069

Delta R.T. 0.03 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

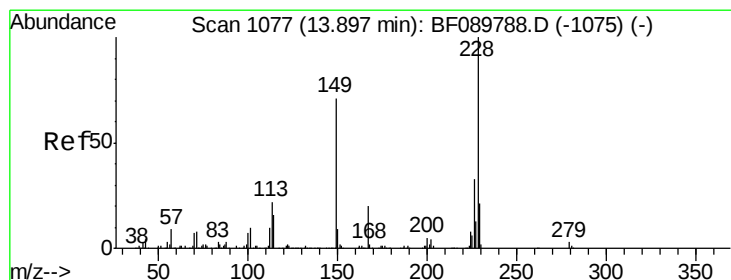
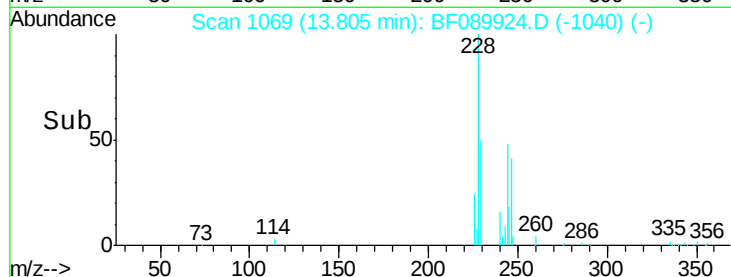
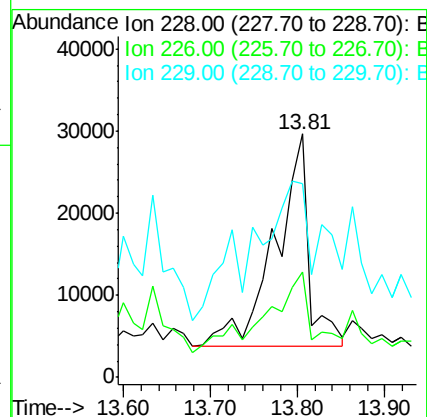
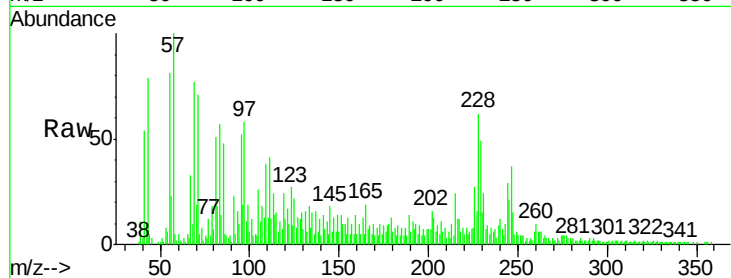
Tgt Ion:228 Resp: 70568

Ion Ratio Lower Upper

228 100

226 43.3 23.2 34.8#

229 79.4 16.2 24.4#



#82

Chrysene

Concen: 2.39 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

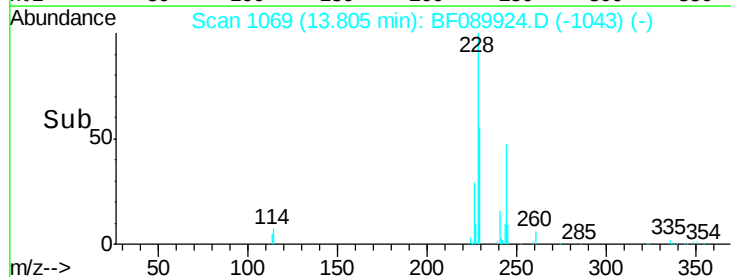
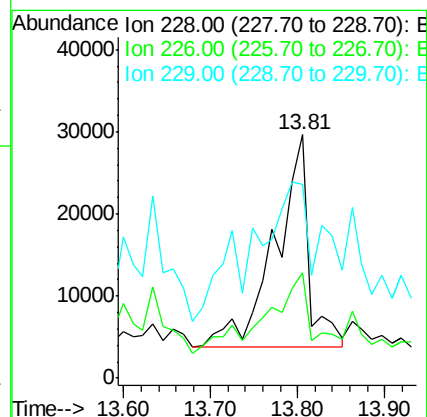
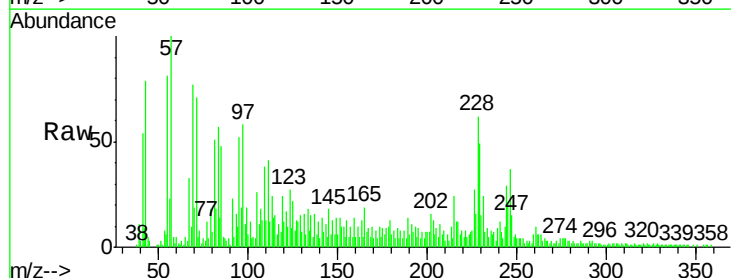
Tgt Ion:228 Resp: 70568

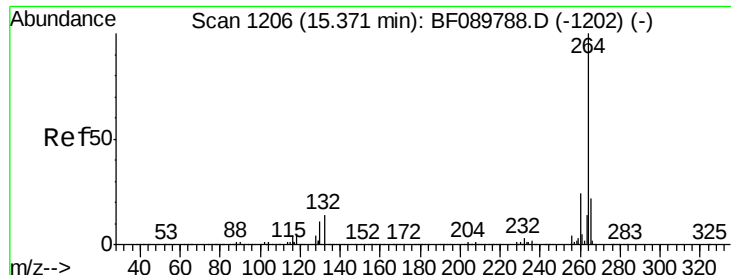
Ion Ratio Lower Upper

228 100

226 43.3 25.4 38.0#

229 79.4 16.5 24.7#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Instrument :
BNA_F
ClientSampleId :
RW-1

Tgt Ion:	264	Resp:	622561
Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.2	30.2
265	22.4	17.4	26.2

