

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022218\
 Data File : BG032787.D
 Acq On : 22 Feb 2018 18:58
 Operator : SJ/JU
 Sample : J1637-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-A124

Quant Time: Feb 23 00:49:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 21 15:45:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	78274	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	348832	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	155747	20.00	ng	-0.02
63) Phenanthrene-d10	18.27	188	405207	20.00	ng	0.00
75) Chrysene-d12	22.62	240	380640	20.00	ng	-0.02
86) Perylene-d12	26.43	264	77645	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	6.34	112	579413	118.43	ng	0.00
7) Phenol-d6	8.02	99	651158	95.48	ng	0.00
23) Nitrobenzene-d5	10.13	82	515938	100.58	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	290440	177.35	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1177949	109.08	ng	0.00
78) Terphenyl-d14	20.79	244	1569843	92.66	ng	0.00

Target Compounds

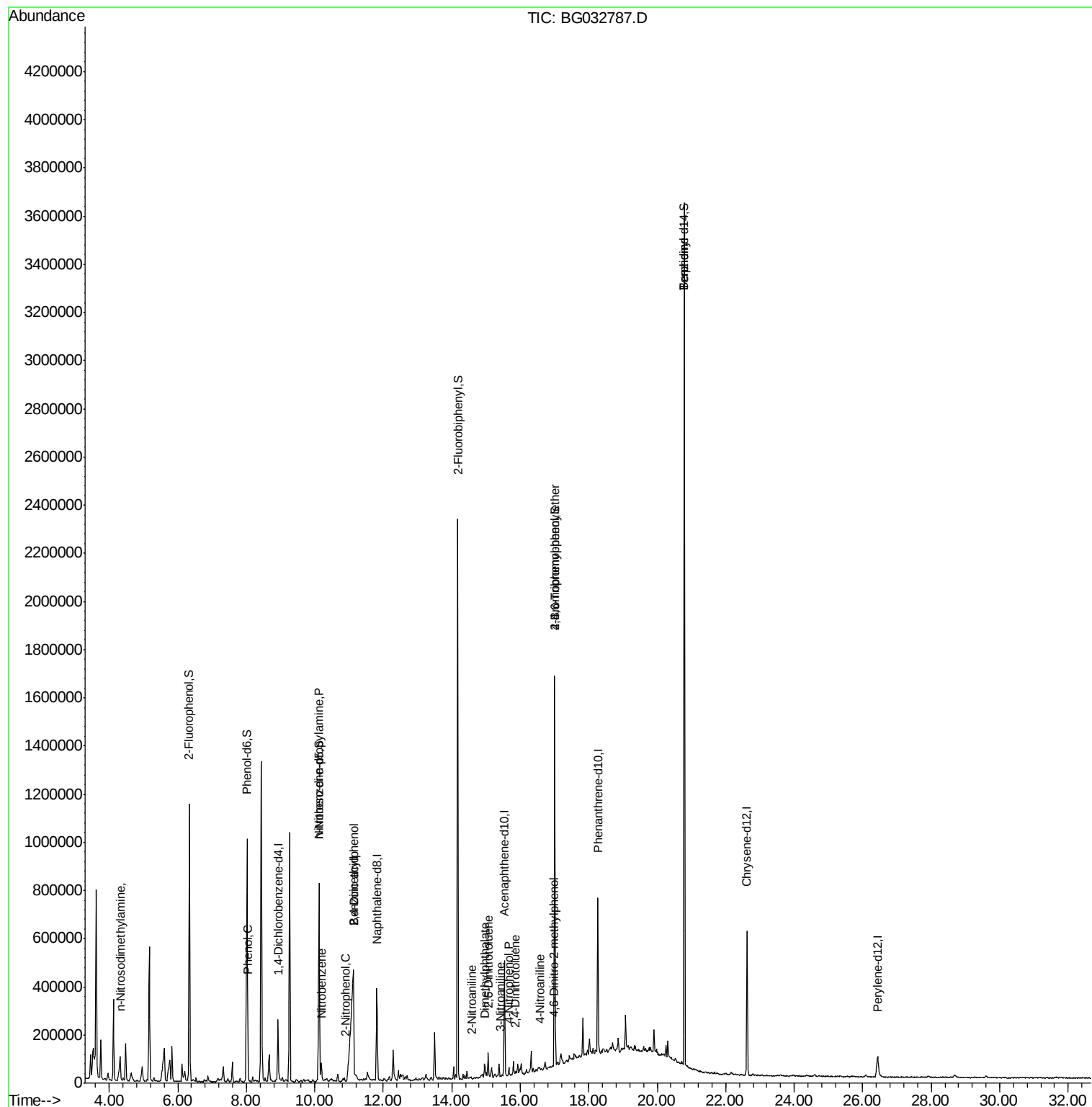
						Qvalue
4) n-Nitrosodimethylamine	4.32	42	13784	5.875	ng	# 1
10) Phenol	8.05	94	30914	4.497	ng	# 94
19) n-Nitroso-di-n-propylamine	10.13	70	69566	14.449	ng	# 81
24) Nitrobenzene	10.20	77	76	6.392	ng	# 1
26) 2-Nitrophenol	10.89	139	196	5.546	ng	# 29
27) 2,4-Dimethylphenol	11.13	122	558861	105.072	ng	# 1
32) Benzoic acid	11.13	122	558861	110.290	ng	# 84
47) 2-Nitroaniline	14.60	65	563	10.010	ng	# 9
49) Dimethylphthalate	14.96	163	34029	2.573	ng	# 96
50) 2,6-Dinitrotoluene	15.06	165	20503	16.529	ng	# 21
52) 3-Nitroaniline	15.41	138	133	7.585	ng	# 1
55) 4-Nitrophenol	15.67	139	1331	7.641	ng	# 68
56) 2,4-Dinitrotoluene	15.86	165	1472	7.385	ng	# 25
61) 4-Nitroaniline	16.58	138	140	5.343	ng	# 92
64) 4,6-Dinitro-2-methylphenol	16.97	198	129	5.083	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	20944	4.888	ng	# 1
76) Benzidine	20.79	184	27512	2.120	ng	# 93

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

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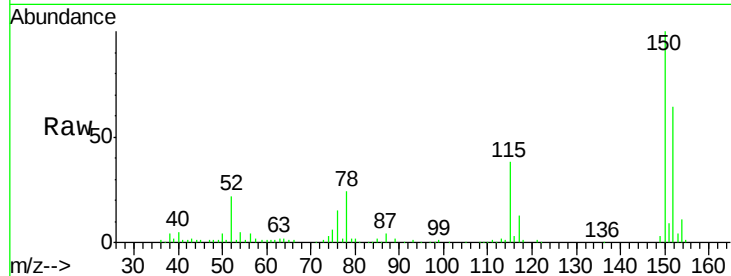


#1

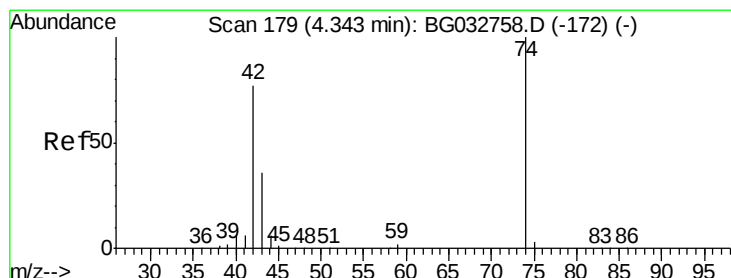
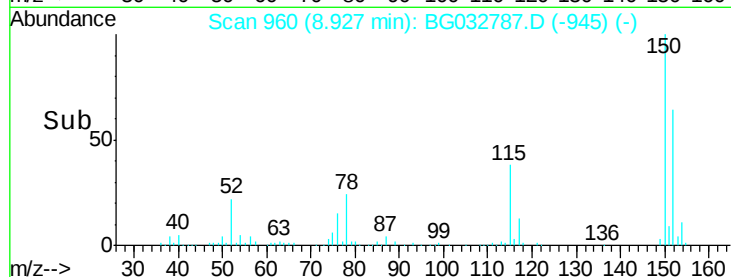
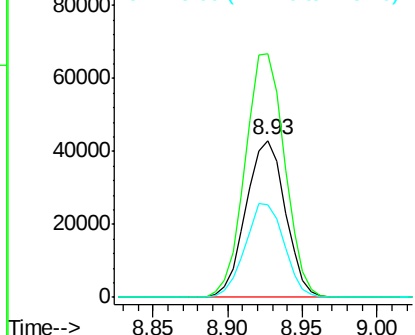
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-A124

Tot Ion:152 Resp: 78274
Ion Ratio Lower Upper
152 100
150 155.3 126.6 189.8
115 59.1 53.0 79.4



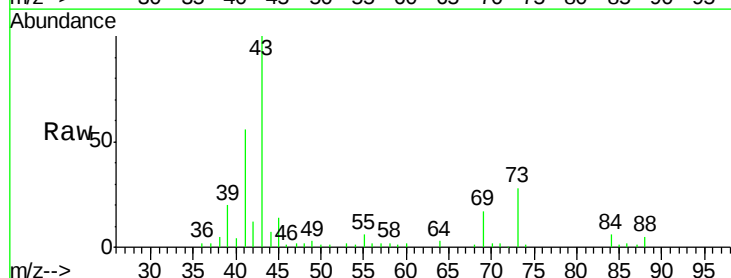
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



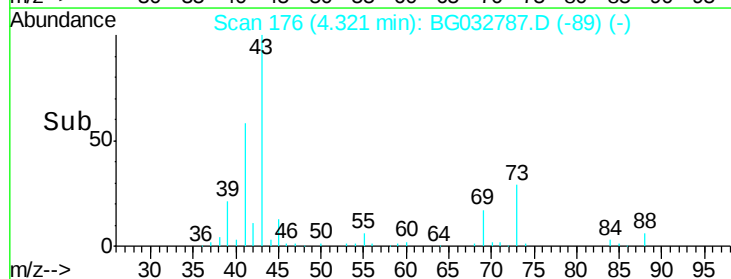
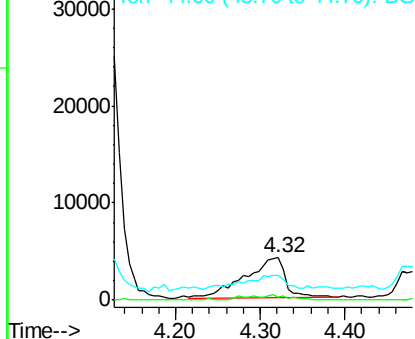
#4

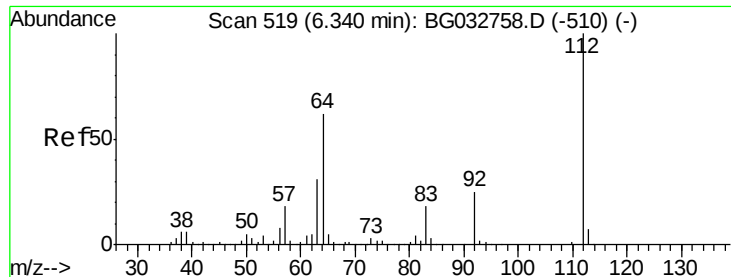
n-Nitrosodimethylamine
Concen: 5.875 ng
RT: 4.32 min Scan# 176
Delta R.T. -0.02 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Tgt Ion: 42 Resp: 13784
Ion Ratio Lower Upper
42 100
74 7.8 102.5 153.7#
44 58.5 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 118.427 ng

RT: 6.34 min Scan# 520

Delta R.T. 0.00 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

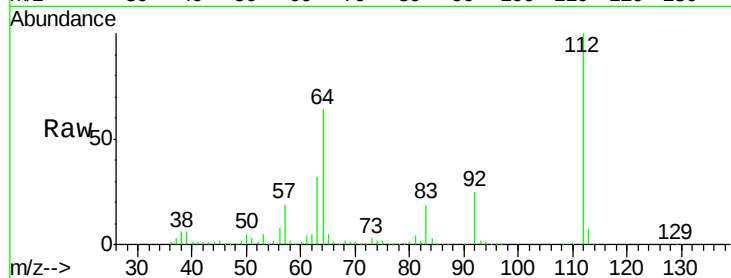
Tot Ion:112 Resp: 579413

Ion Ratio Lower Upper

112 100

64 63.8 56.3 84.5

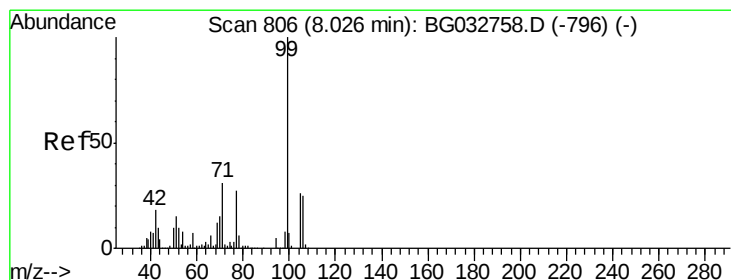
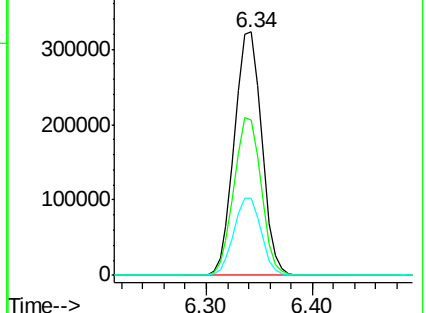
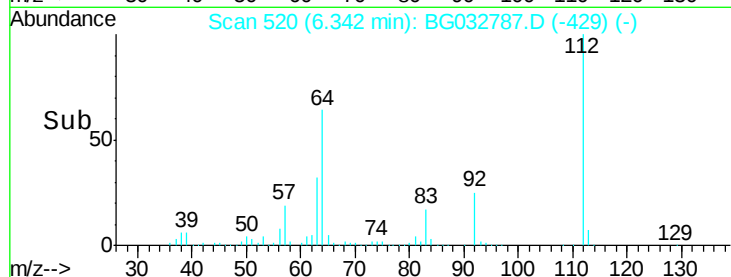
63 31.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 95.484 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

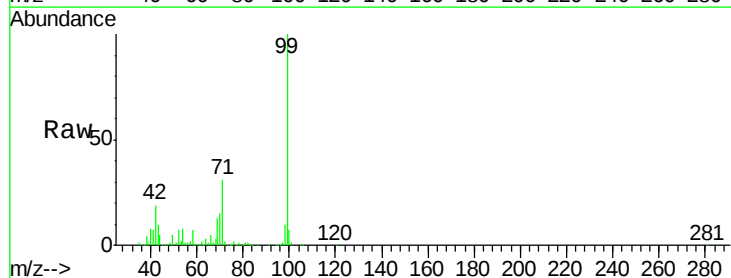
Tgt Ion: 99 Resp: 651158

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

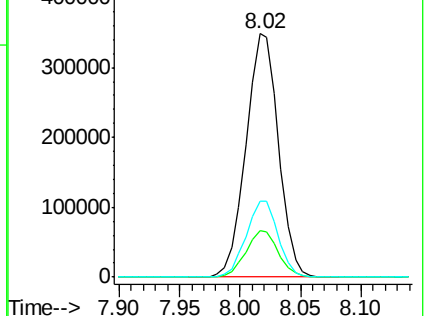
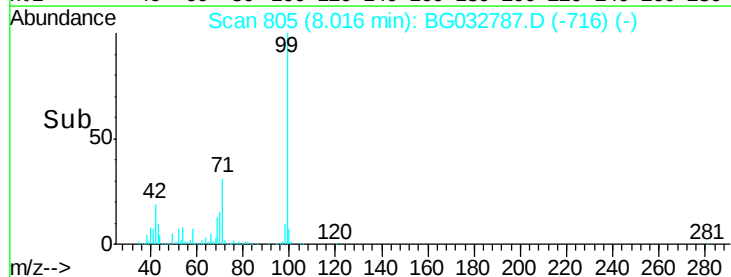
71 31.1 26.1 39.1

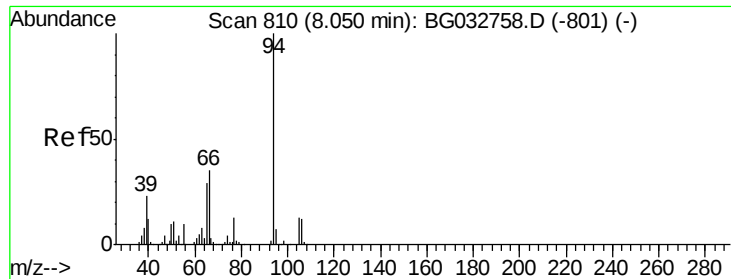


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.497 ng

RT: 8.05 min Scan# 810

Delta R.T. -0.00 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

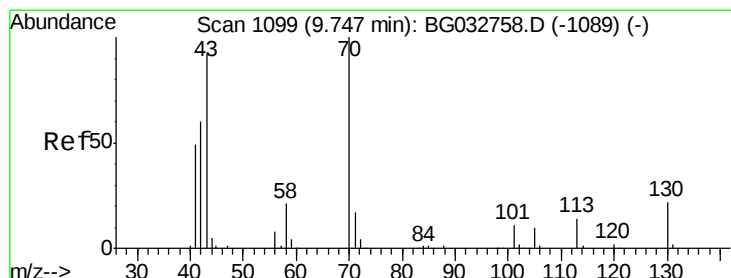
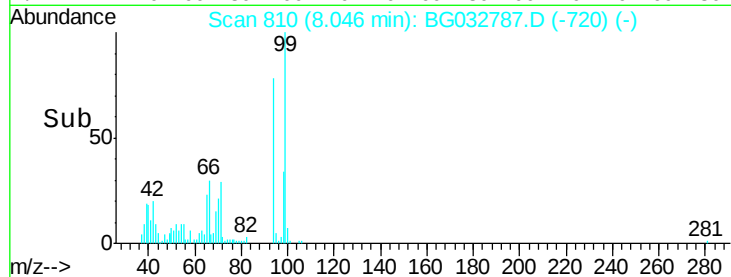
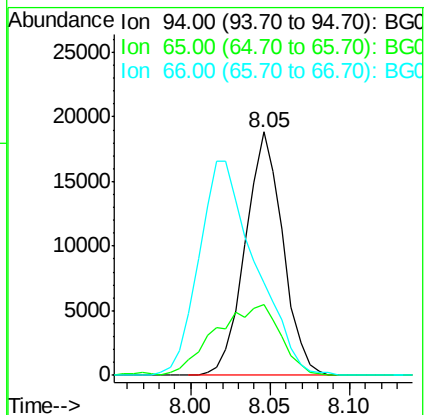
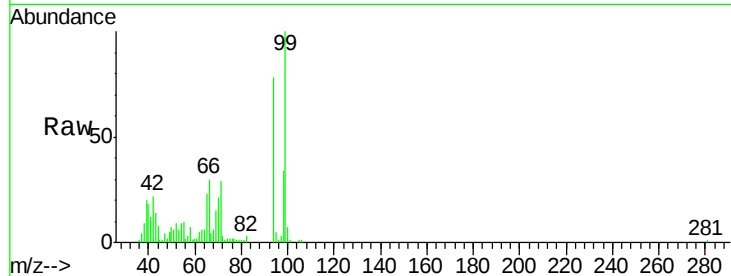
Tot Ion: 94 Resp: 30914

Ion Ratio Lower Upper

94 100

65 29.2 11.9 51.9

66 38.0 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.449 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Tgt Ion: 70 Resp: 69566

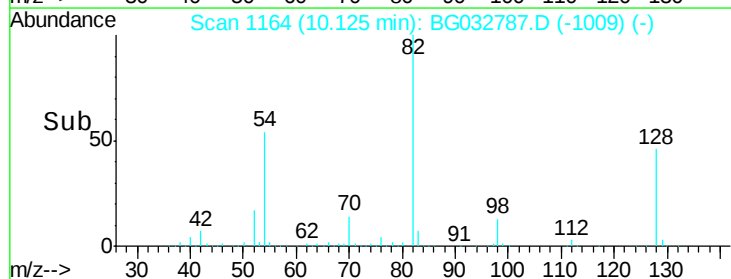
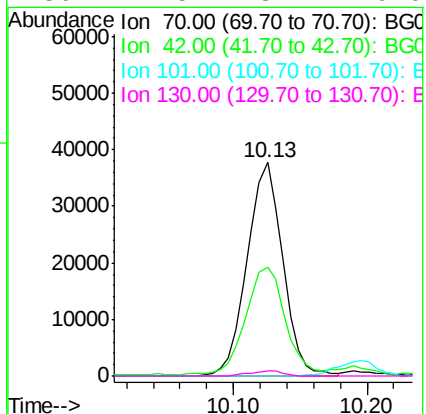
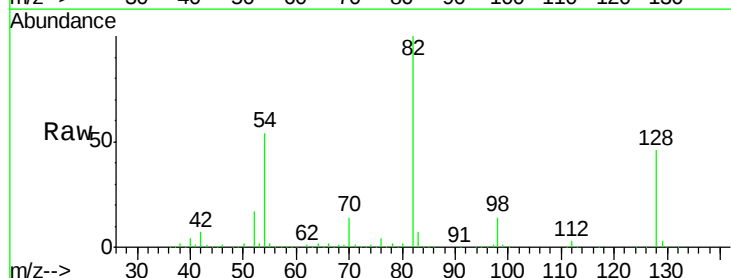
Ion Ratio Lower Upper

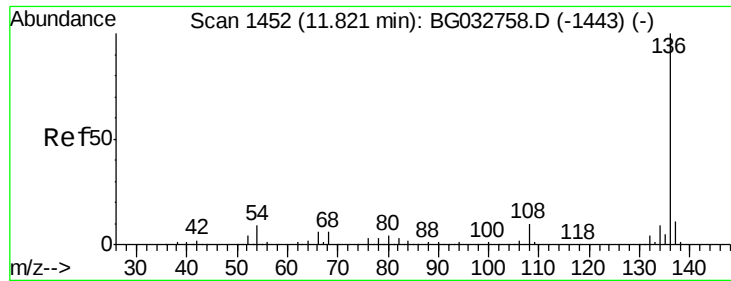
70 100

42 50.9 49.1 73.7

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#

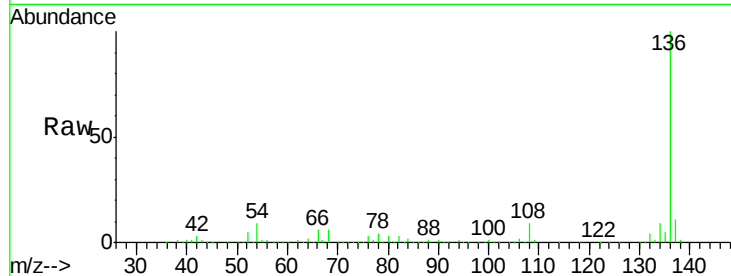




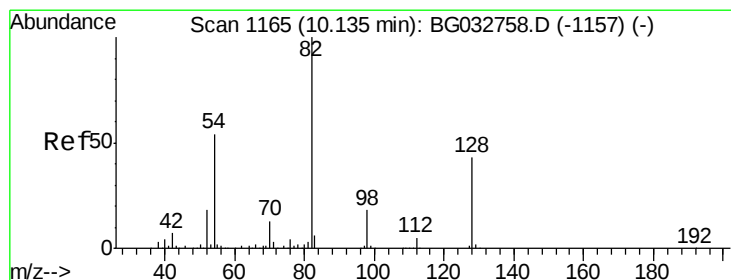
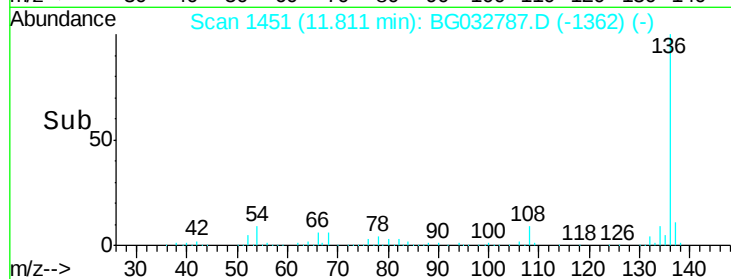
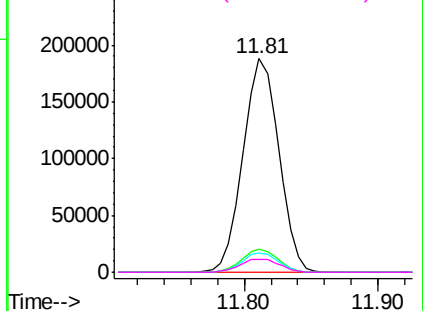
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-A124

Tot Ion:136	Resp:	348832
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.2 13.8
54	9.1	10.3 15.5#
68	6.1	4.5 6.7

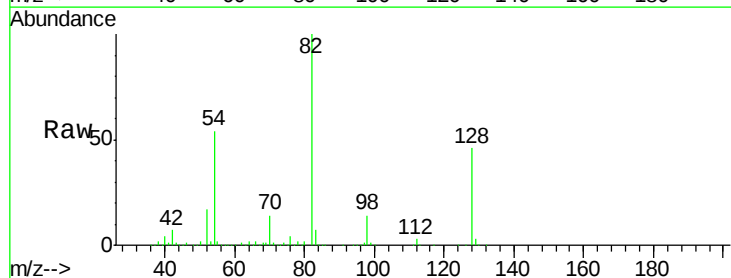


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

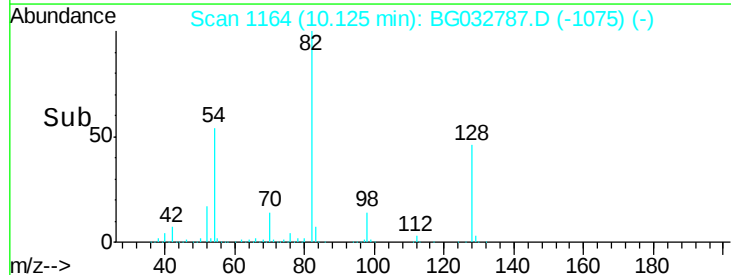
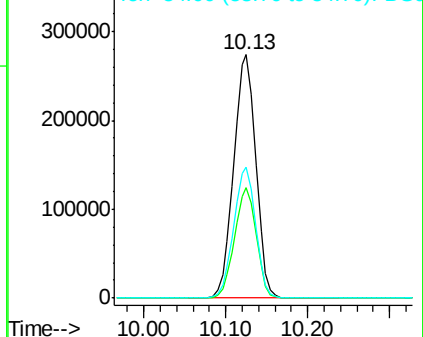


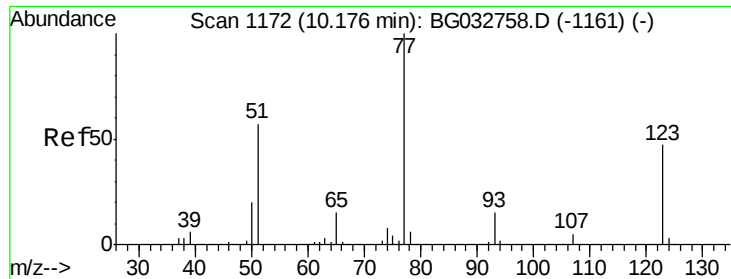
#23
Nitrobenzene-d5
Concen: 100.582 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Tgt Ion: 82	Resp:	515938
Ion Ratio	Lower	Upper
82	100	
128	45.6	29.7 44.5#
54	53.8	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

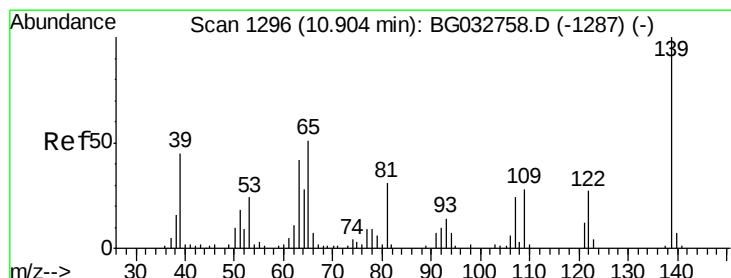
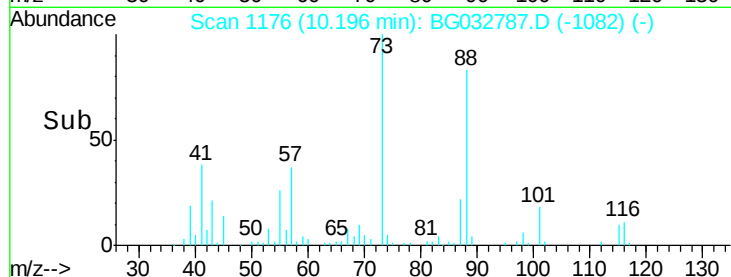
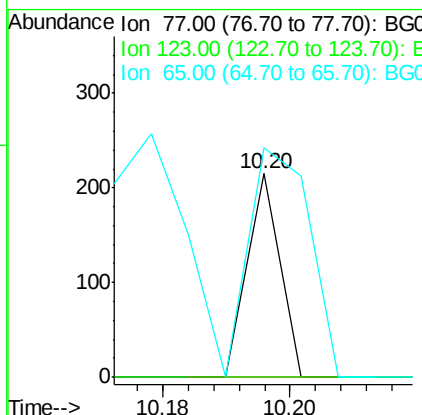
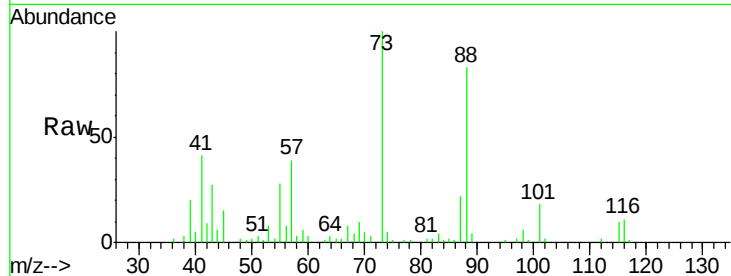




#24
 Nitrobenzene
 Concen: 6.392 ng
 RT: 10.20 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: BG032787.D
 Acq: 22 Feb 2018 18:58

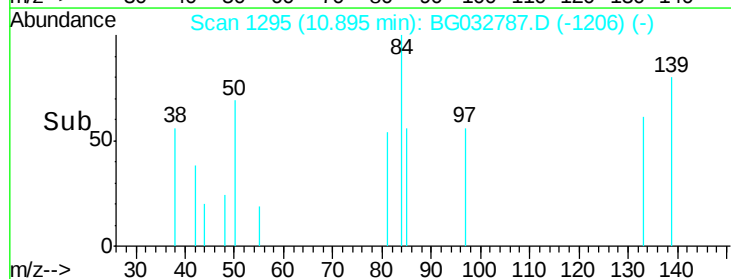
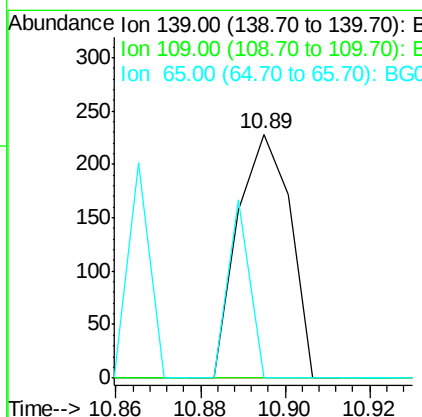
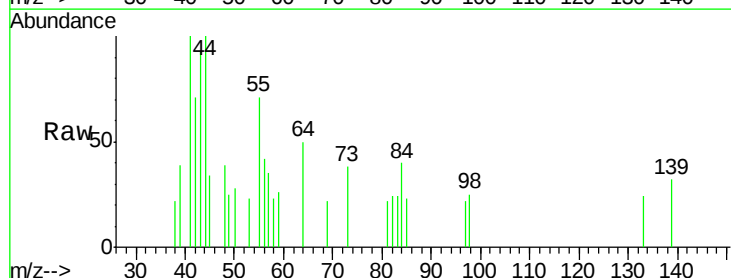
Instrument :
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 FRAC-TANK-A124

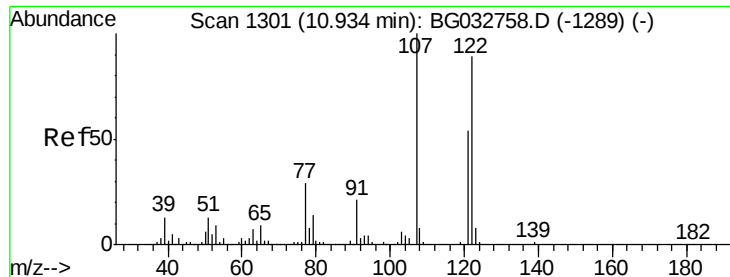
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	113.0	13.0	19.6#



#26
 2-Nitrophenol
 Concen: 5.546 ng
 RT: 10.89 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BG032787.D
 Acq: 22 Feb 2018 18:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	24.2	36.2#
65	0.0	47.4	71.0#

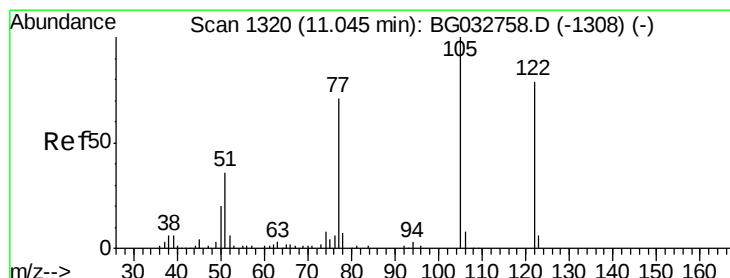
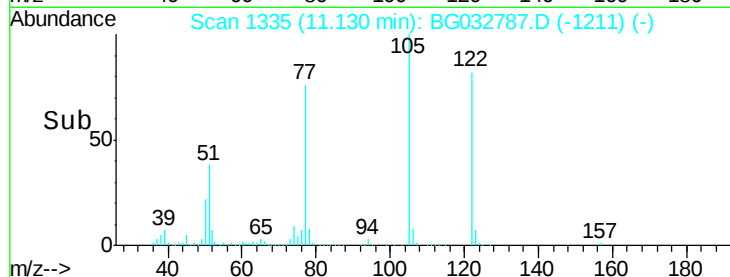
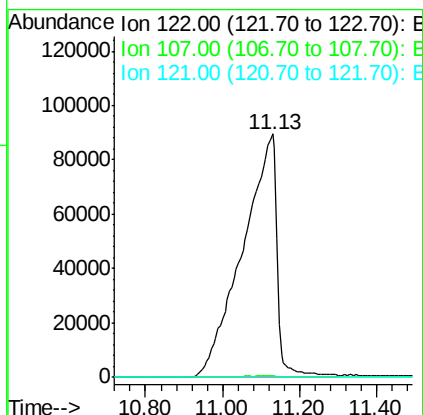
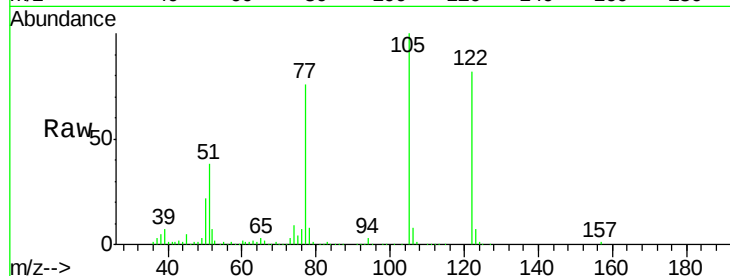




#27
2,4-Dimethylphenol
Concen: 105.072 ng
RT: 11.13 min Scan# 1335
Delta R.T. 0.20 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

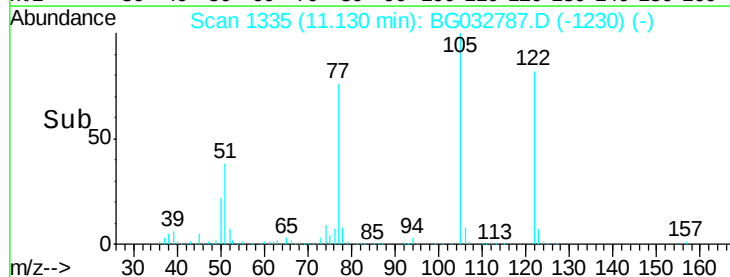
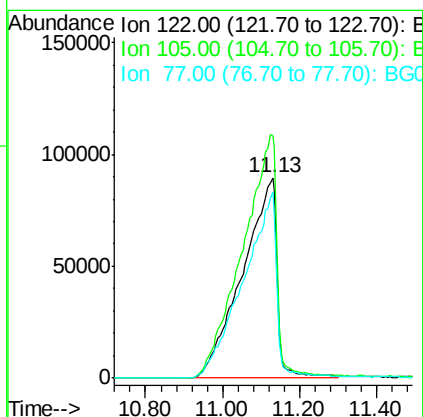
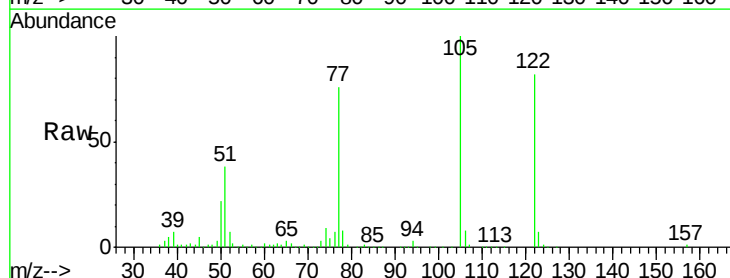
Instrument :
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FRAC-TANK-A124

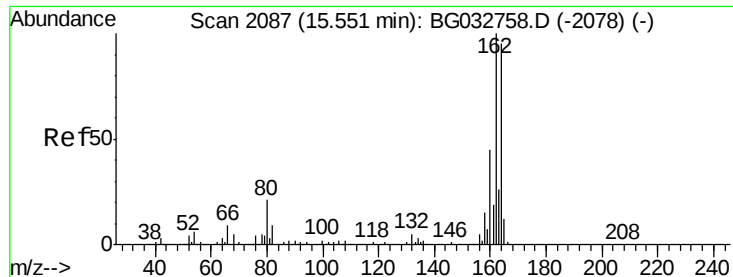
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.6	100.2	150.2#
121	0.0	44.4	66.6#



#32
Benzoic acid
Concen: 110.290 ng
RT: 11.13 min Scan# 1335
Delta R.T. 0.08 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.3	123.5	163.5#
77	92.7	85.7	125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.02 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

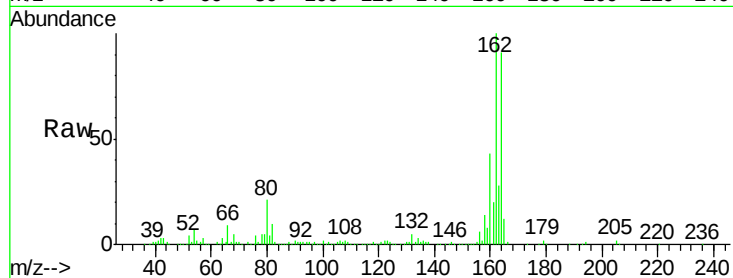
Tot Ion:164 Resp: 155747

Ion Ratio Lower Upper

164 100

162 110.0 78.8 118.2

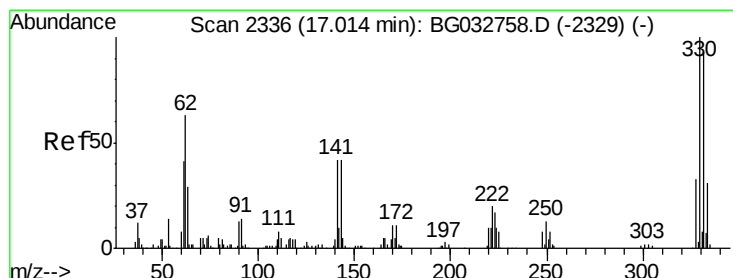
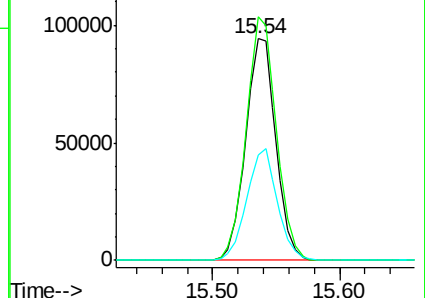
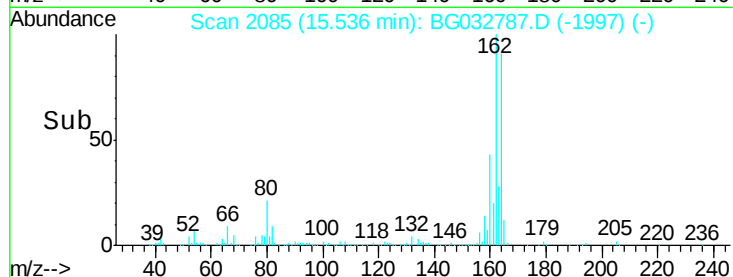
160 47.8 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 177.354 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

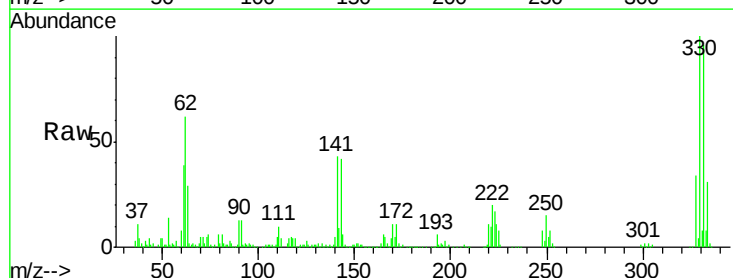
Tgt Ion:330 Resp: 290440

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

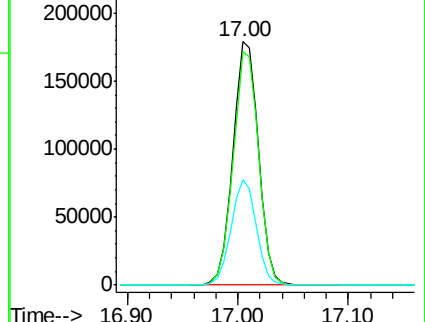
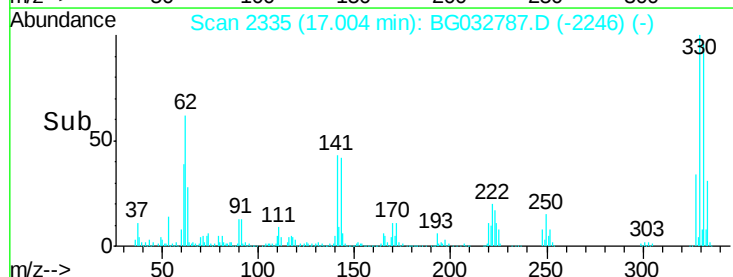
141 42.4 25.2 37.8#

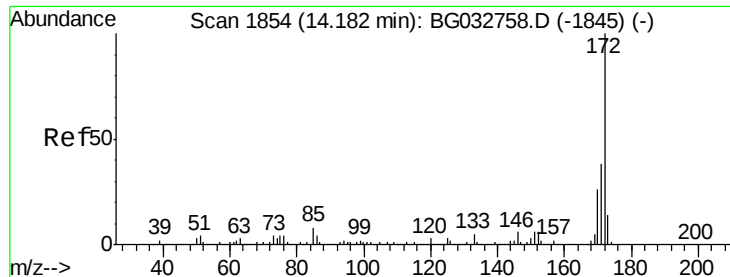


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

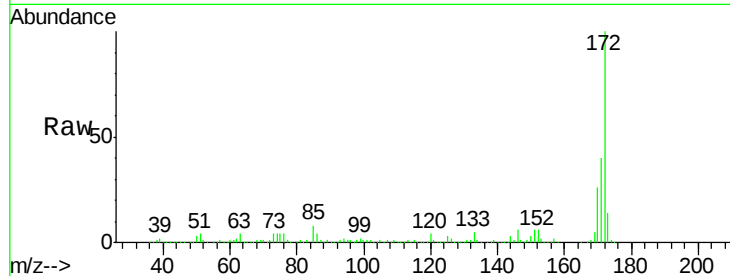




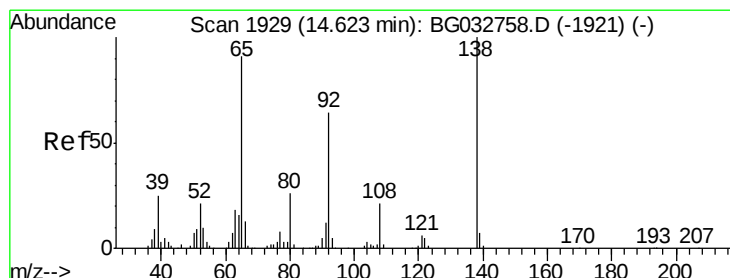
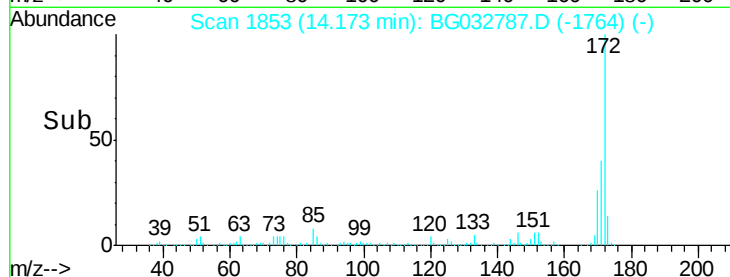
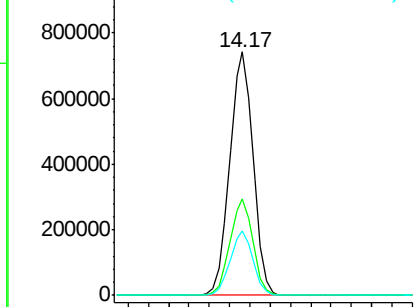
#44
2-Fluorobiphenyl
Concen: 109.081 ng
RT: 14.17 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-A124

Tot Ion:172 Resp: 1177949
Ion Ratio Lower Upper
172 100
171 39.6 30.0 45.0
170 26.3 19.5 29.3

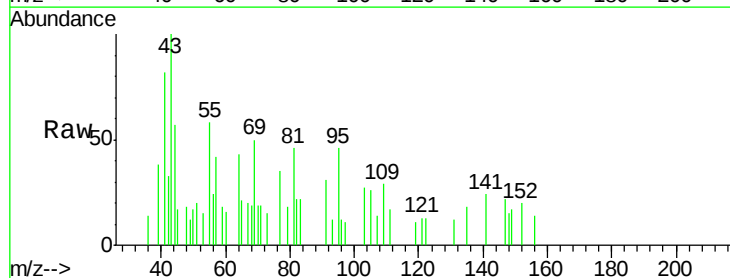


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

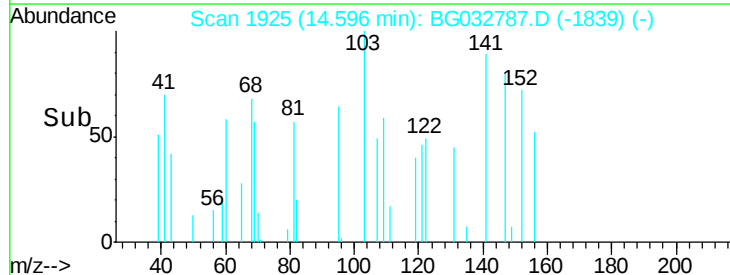
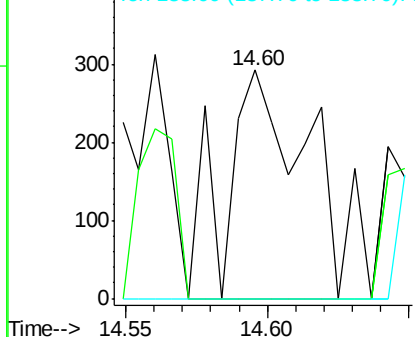


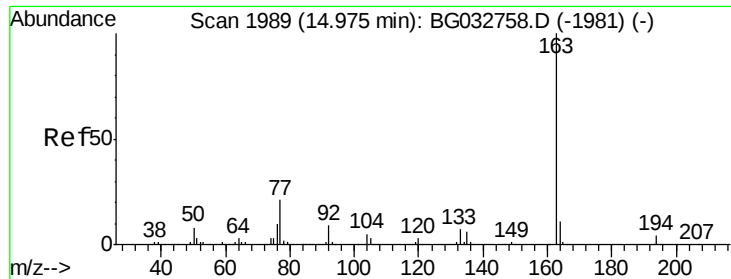
#47
2-Nitroaniline
Concen: 10.010 ng
RT: 14.60 min Scan# 1925
Delta R.T. -0.03 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Tgt Ion: 65 Resp: 563
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 2.573 ng

RT: 14.96 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

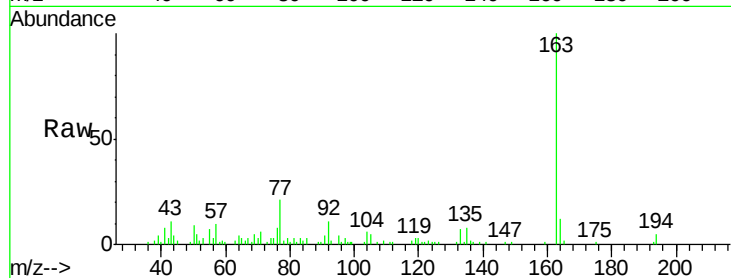
Tot Ion:163 Resp: 34029

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

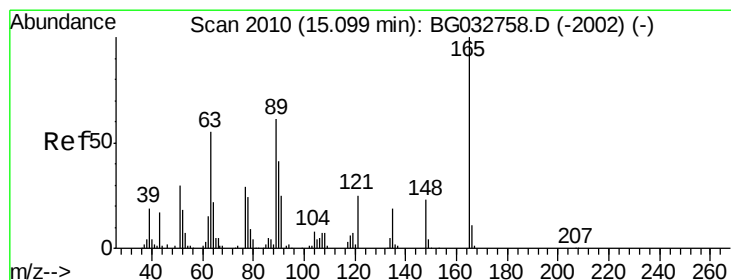
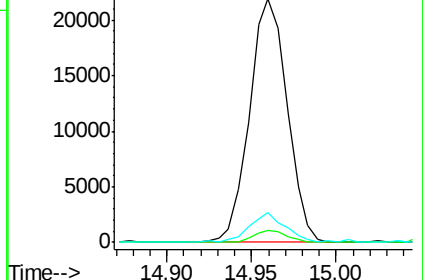
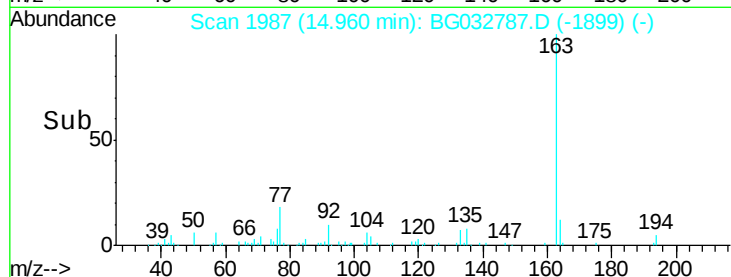
164 12.0 8.2 12.4



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: 16.529 ng

RT: 15.06 min Scan# 2004

Delta R.T. -0.04 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

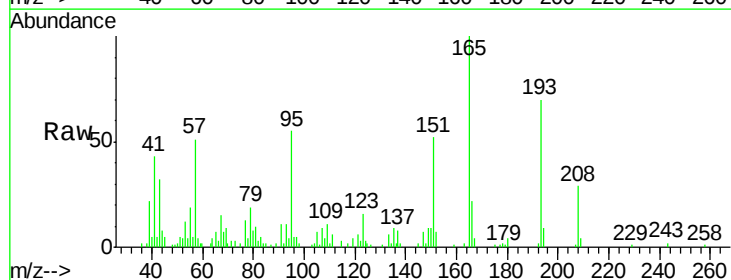
Tgt Ion:165 Resp: 20503

Ion Ratio Lower Upper

165 100

63 2.3 52.7 79.1#

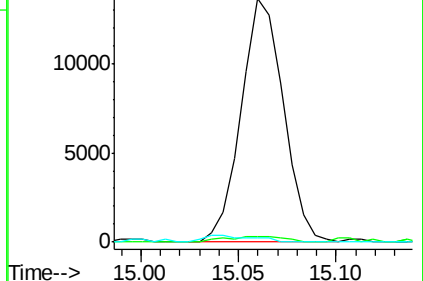
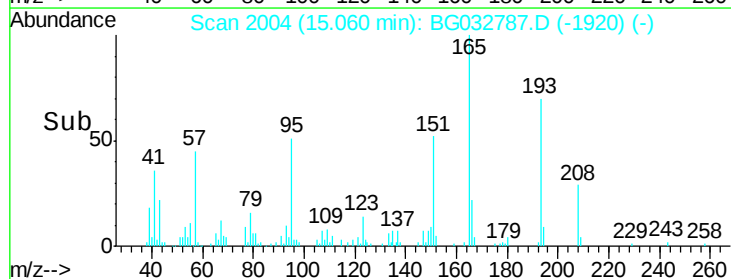
89 2.0 49.2 73.8#

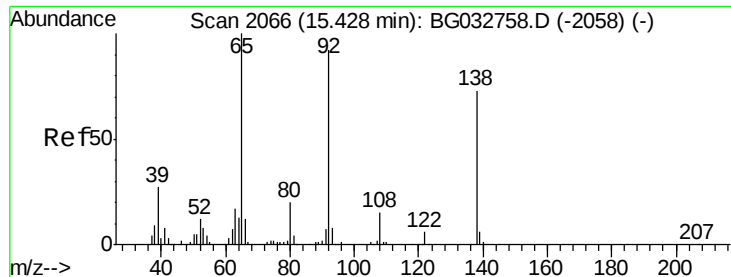


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 7.585 ng

RT: 15.41 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

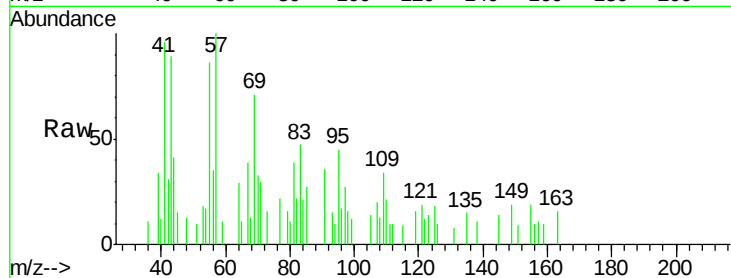
Tot Ion:138 Resp: 133

Ion Ratio Lower Upper

138 100

108 121.1 17.5 26.3#

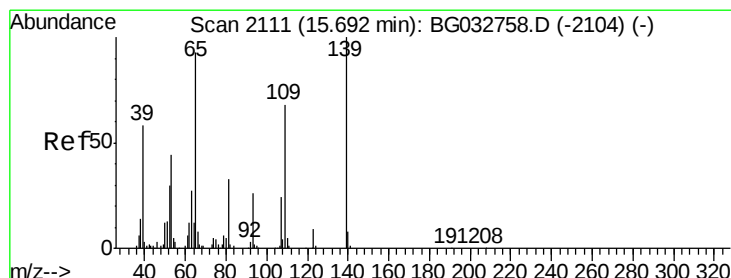
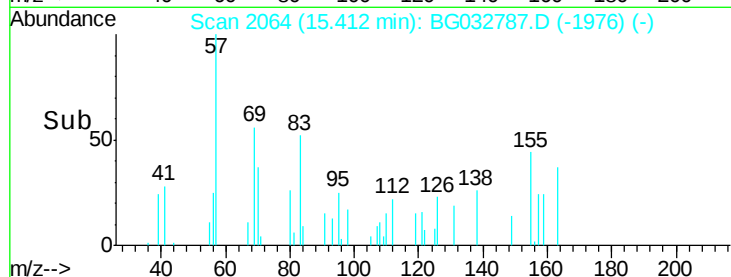
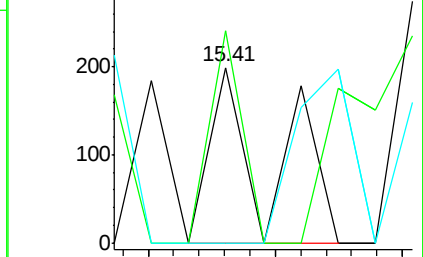
92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

4-Nitrophenol

Concen: 7.641 ng

RT: 15.67 min Scan# 2108

Delta R.T. -0.02 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

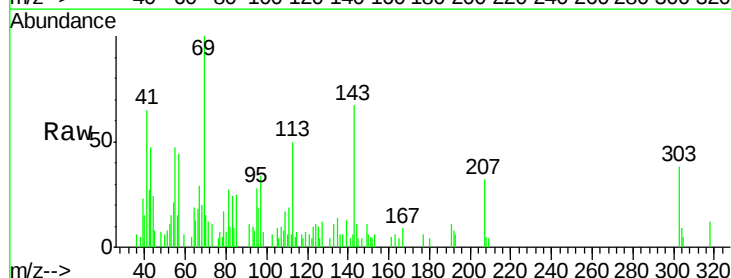
Tgt Ion:139 Resp: 1331

Ion Ratio Lower Upper

139 100

109 126.1 62.2 102.2#

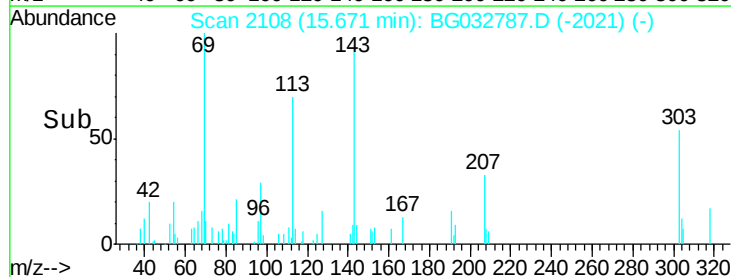
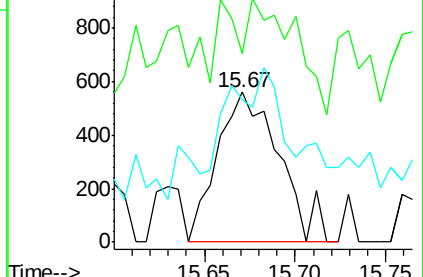
65 95.3 97.2 137.2#

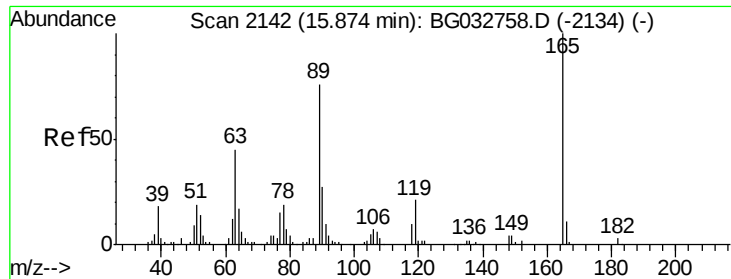


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 7.385 ng

RT: 15.86 min Scan# 2140

Delta R.T. -0.02 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

Tot Ion:165 Resp: 1472

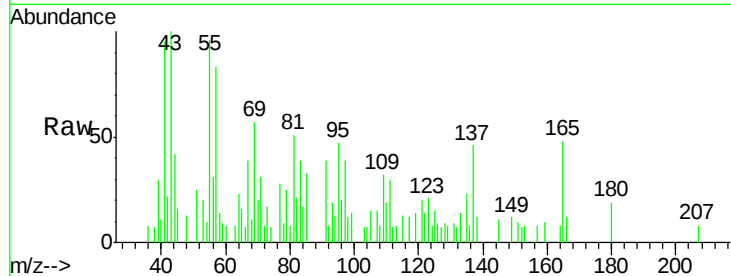
Ion Ratio Lower Upper

165 100

63 15.9 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



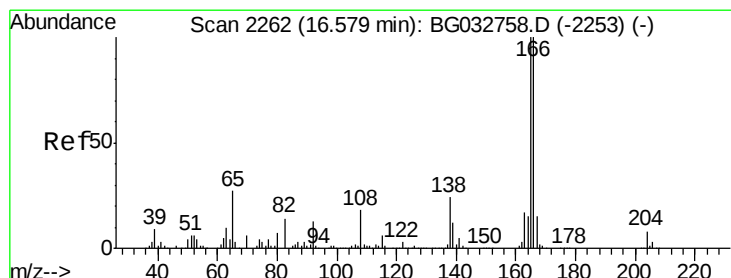
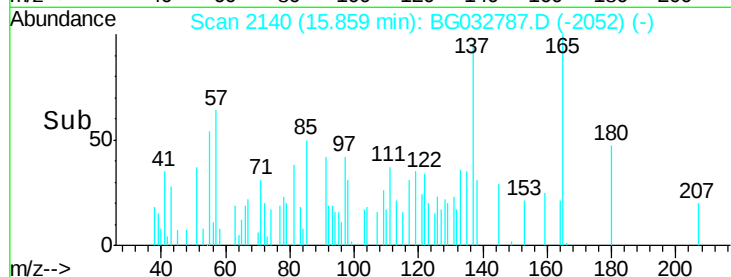
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time--> 15.80 15.85 15.90



#61

4-Nitroaniline

Concen: 5.343 ng

RT: 16.58 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

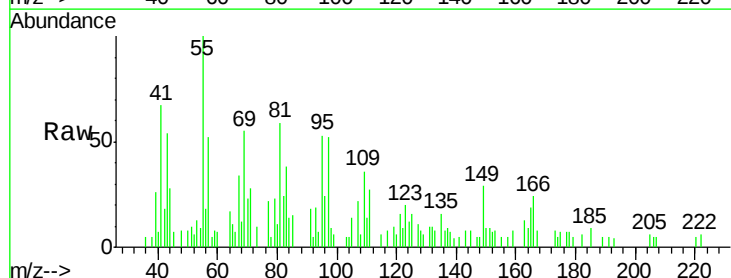
Tgt Ion:138 Resp: 140

Ion Ratio Lower Upper

138 100

92 70.5 40.1 80.1

108 81.3 65.4 105.4

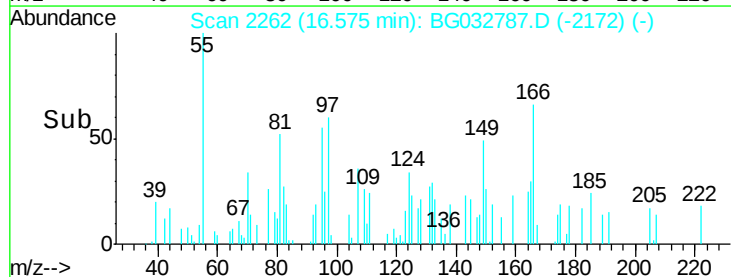


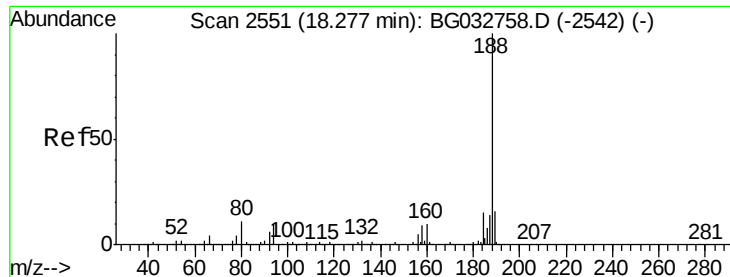
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

Time--> 16.56 16.57 16.58





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

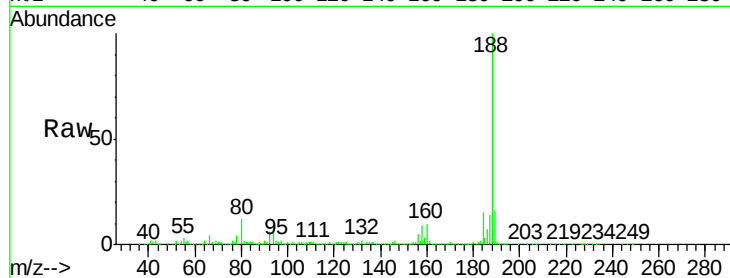
Tot Ion:188 Resp: 405207

Ion Ratio Lower Upper

188 100

94 10.9 6.9 10.3#

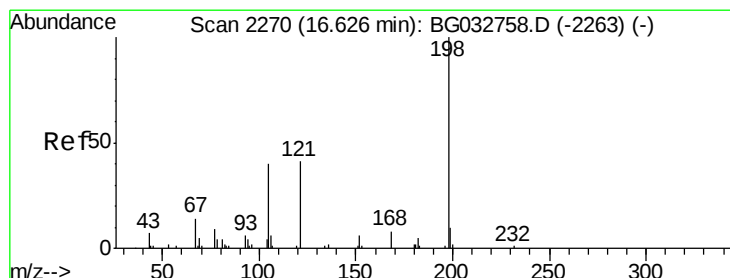
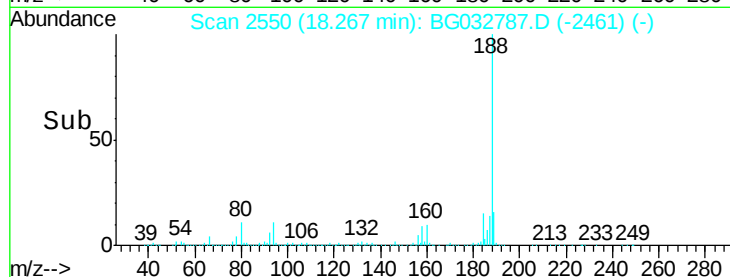
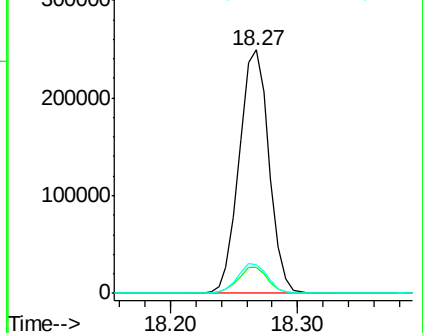
80 11.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.083 ng

RT: 16.97 min Scan# 2329

Delta R.T. 0.34 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

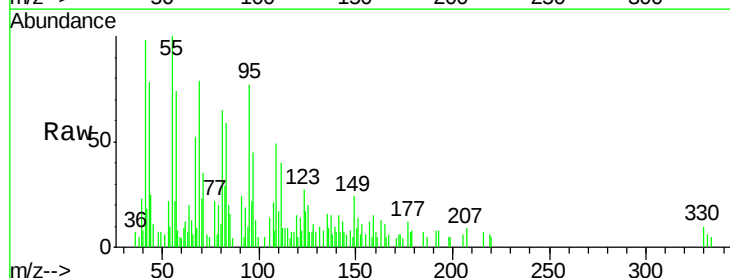
Tgt Ion:198 Resp: 129

Ion Ratio Lower Upper

198 100

51 107.3 30.6 70.6#

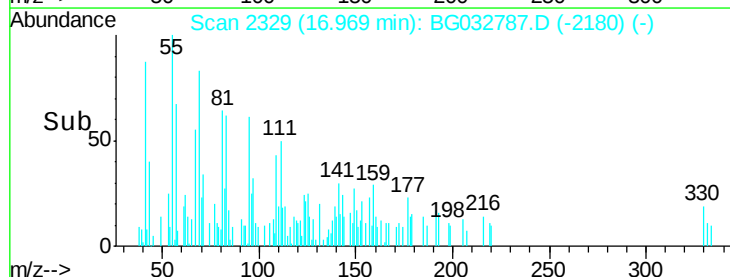
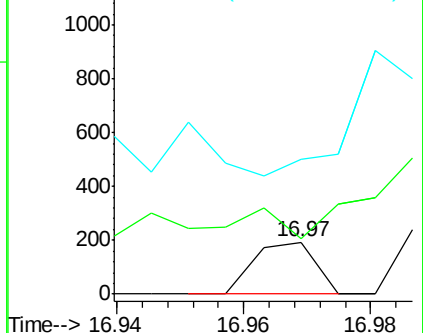
105 261.5 23.8 63.8#

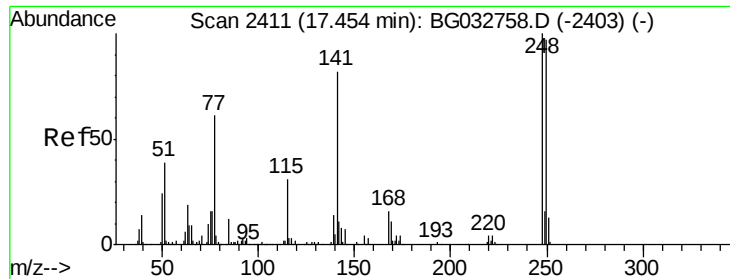


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

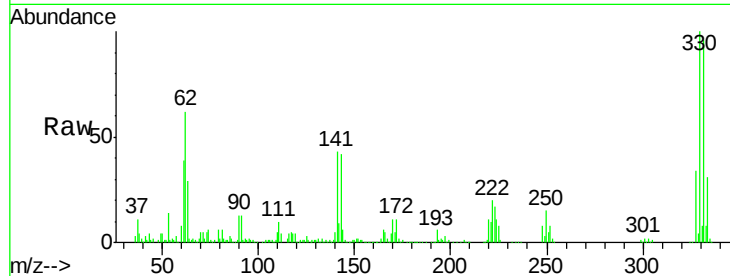




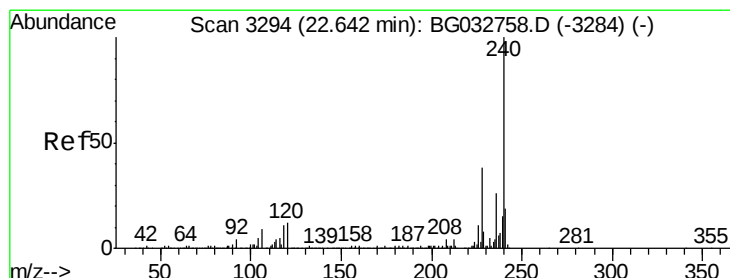
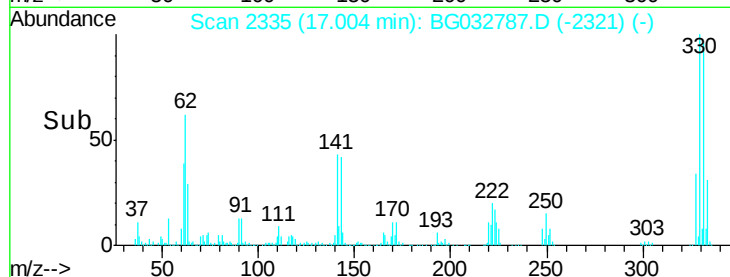
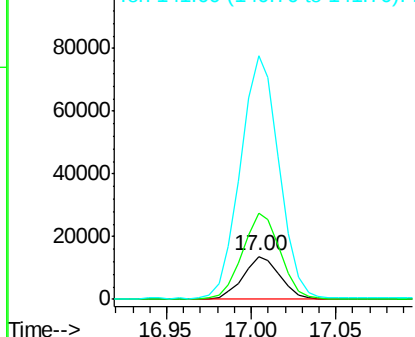
#66
4-Bromophenyl-phenylether
Concen: 4.888 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.45 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-A124

Tot Ion:248 Resp: 20944
Ion Ratio Lower Upper
248 100
250 198.4 77.1 115.7#
141 564.2 50.8 76.2#

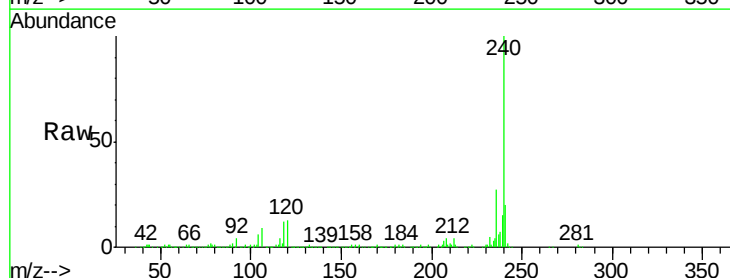


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

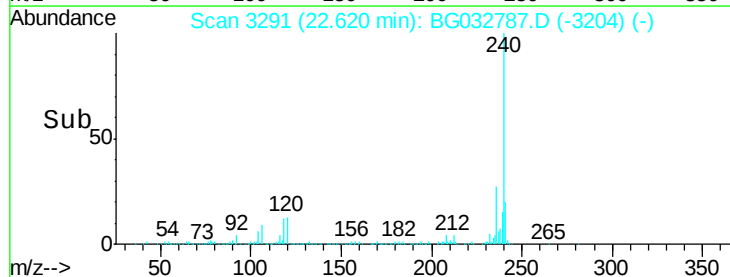
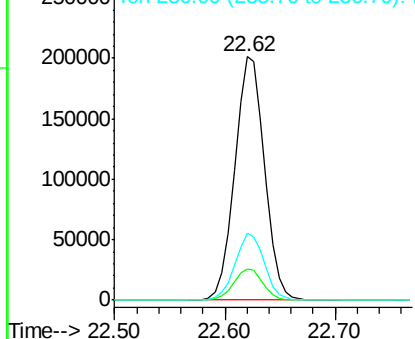


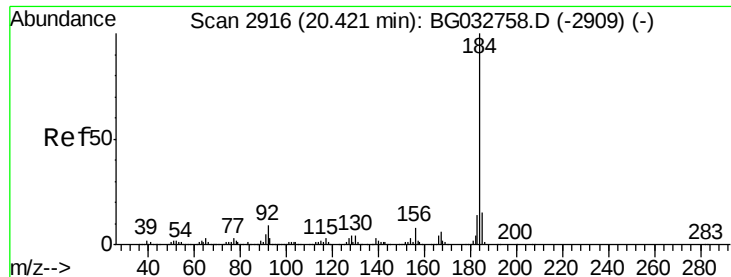
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. -0.02 min
Lab File: BG032787.D
Acq: 22 Feb 2018 18:58

Tgt Ion:240 Resp: 380640
Ion Ratio Lower Upper
240 100
120 12.9 6.8 10.2#
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





#76

Benzidine

Concen: 2.120 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A124

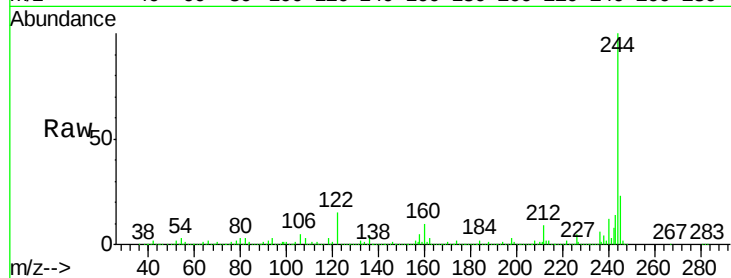
Tot Ion:184 Resp: 27512

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

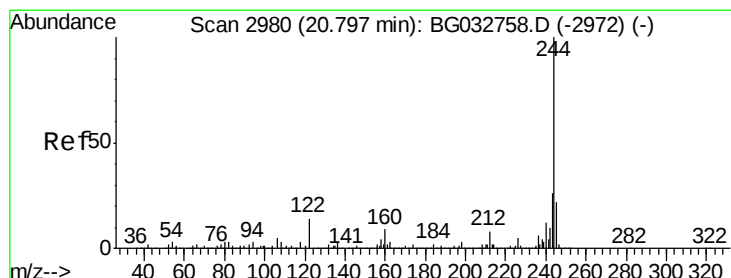
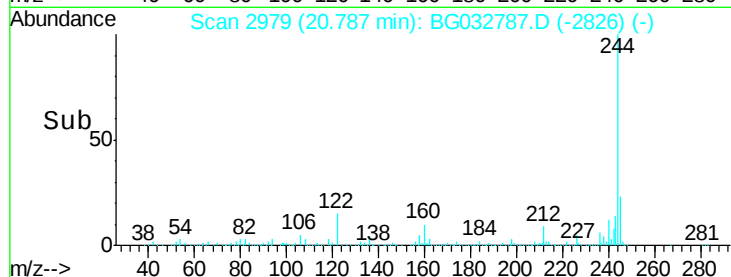
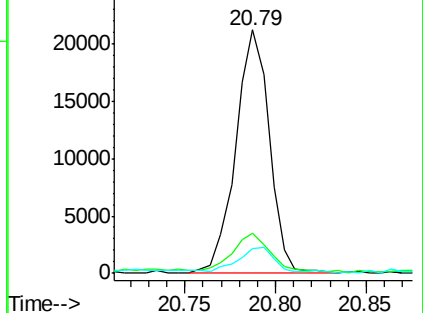
183 10.4 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 92.660 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

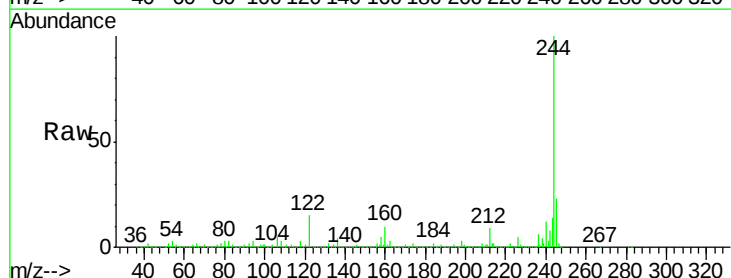
Tgt Ion:244 Resp: 1569843

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

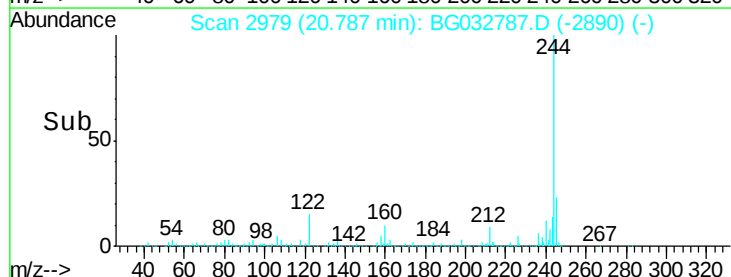
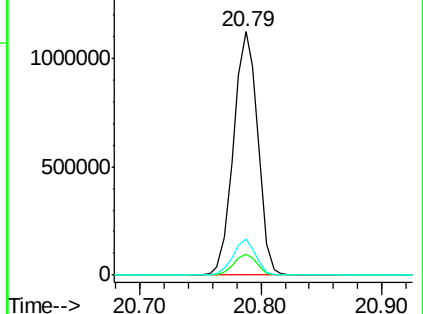
122 14.9 7.0 10.4#

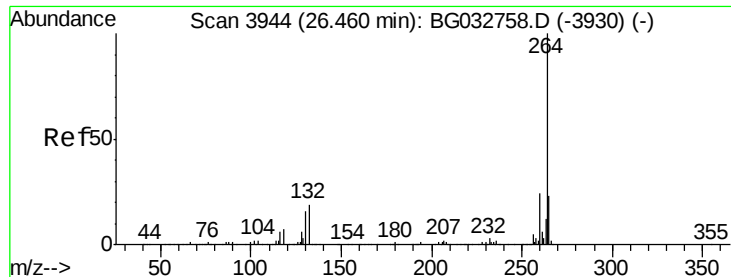


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.43 min Scan# 3939
 Delta R.T. -0.03 min
 Lab File: BG032787.D
 Acq: 22 Feb 2018 18:58

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-A124

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.4	26.0
265	20.9	17.7	26.5

