

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033207.D
 Acq On : 16 Mar 2018 19:54
 Operator : SJ/JU
 Sample : J1926-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4526

Quant Time: Mar 17 05:21:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	44702	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	170546	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	121465	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	326529	20.00	ng	0.00
75) Chrysene-d12	22.60	240	333992	20.00	ng	-0.01
86) Perylene-d12	26.40	264	354556	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	395564	141.57	ng	0.00
7) Phenol-d6	8.00	99	553171	142.03	ng	-0.01
23) Nitrobenzene-d5	10.09	82	412783	158.29	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	301700	236.23	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	925279	109.87	ng	0.00
78) Terphenyl-d14	20.76	244	1728139	116.25	ng	0.00

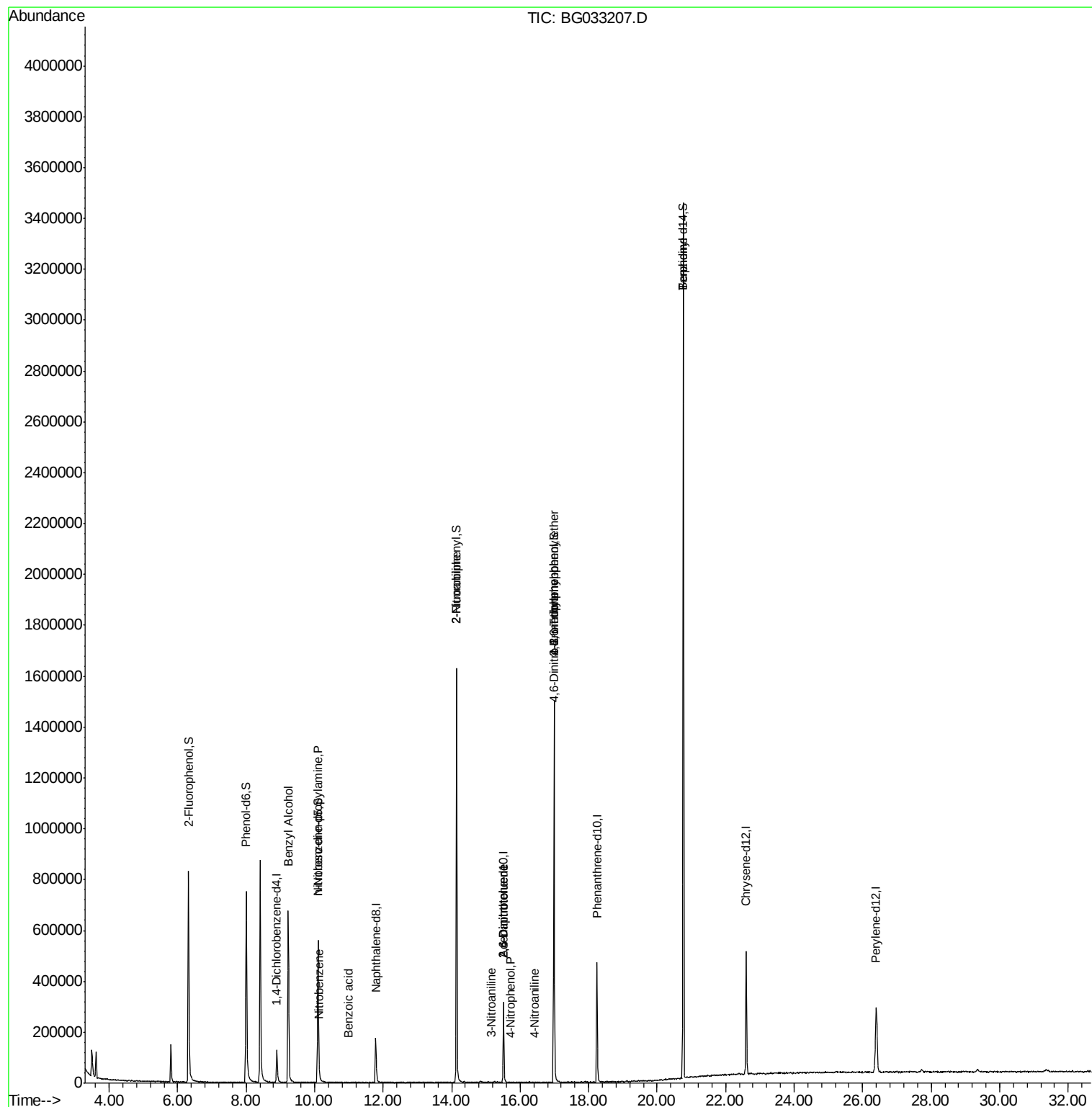
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	7007	2.447	ng	# 30
19) n-Nitroso-di-n-propylamine	10.09	70	57083	20.761	ng	# 77
24) Nitrobenzene	10.14	77	165	6.433	ng	# 42
32) Benzoic acid	10.99	122	55	5.856	ng	# 1
47) 2-Nitroaniline	14.14	65	1997	10.630	ng	# 40
50) 2,6-Dinitrotoluene	15.51	165	15466	16.279	ng	# 18
52) 3-Nitroaniline	15.15	138	54	7.565	ng	# 1
55) 4-Nitrophenol	15.72	139	67	7.117	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15466	14.476	ng	# 16
61) 4-Nitroaniline	16.43	138	57	5.322	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.97	198	919	6.141	ng	# 85
66) 4-Bromophenyl-phenylether	16.99	248	23206	6.721	ng	# 1
76) Benzidine	20.76	184	27827	2.444	ng	# 94

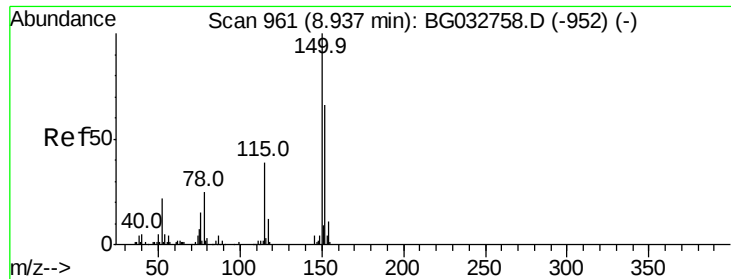
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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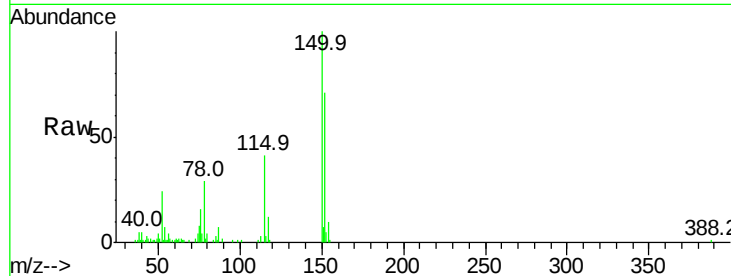


#1

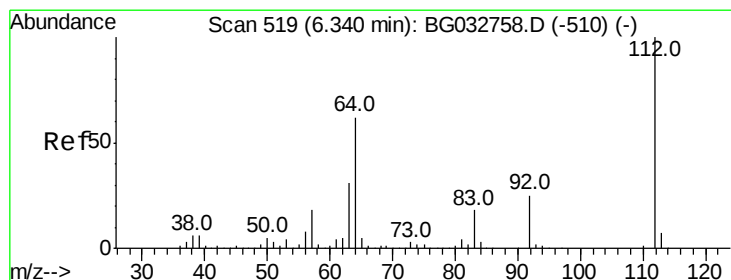
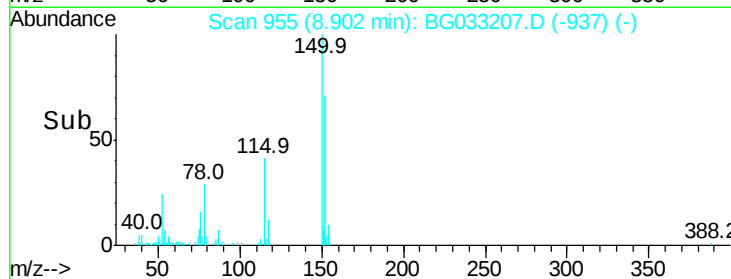
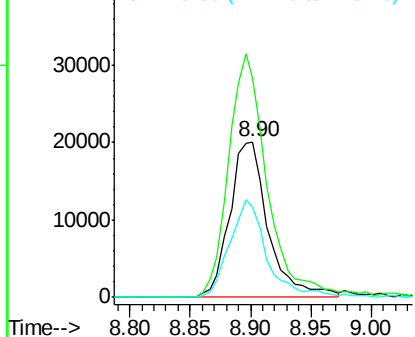
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Instrument :
BNA_G
ClientSampleId :
4526

Tot Ion:152 Resp: 44702
Ion Ratio Lower Upper
152 100
150 141.2 126.6 189.8
115 58.0 53.0 79.4



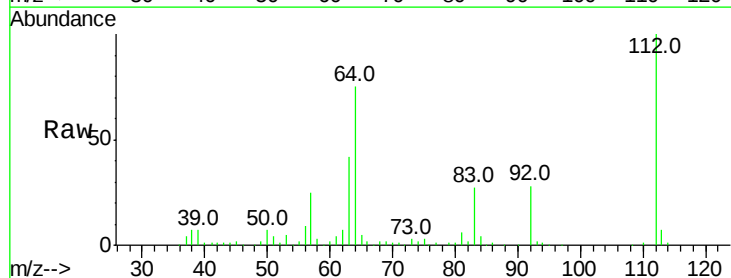
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



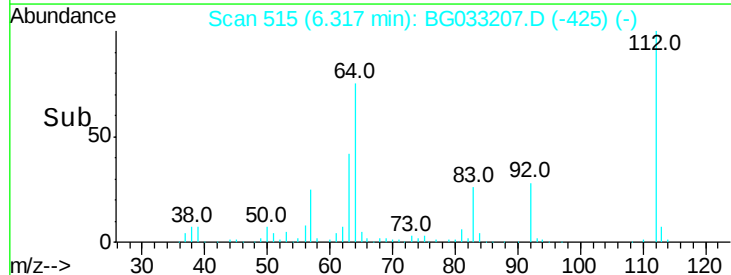
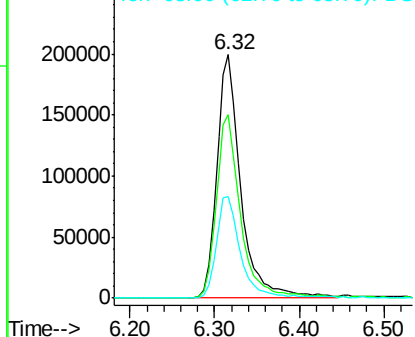
#5

2-Fluorophenol
Concen: 141.570 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Tgt Ion:112 Resp: 395564
Ion Ratio Lower Upper
112 100
64 75.3 56.3 84.5
63 41.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 142.034 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

Instrument :

BNA_G

ClientSampleId :

4526

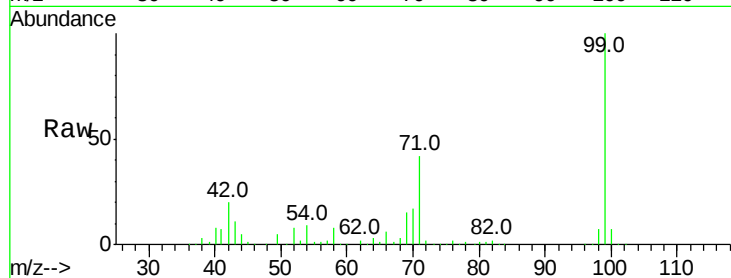
Tot Ion: 99 Resp: 553171

Ion Ratio Lower Upper

99 100

42 20.5 14.1 21.1

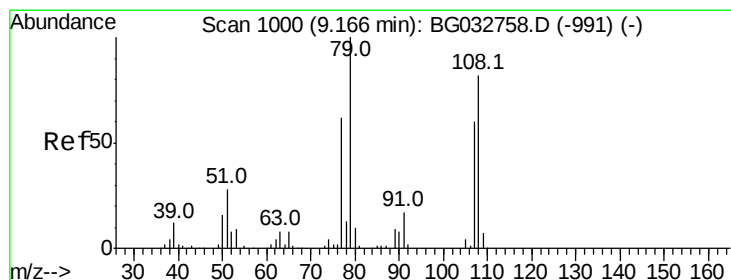
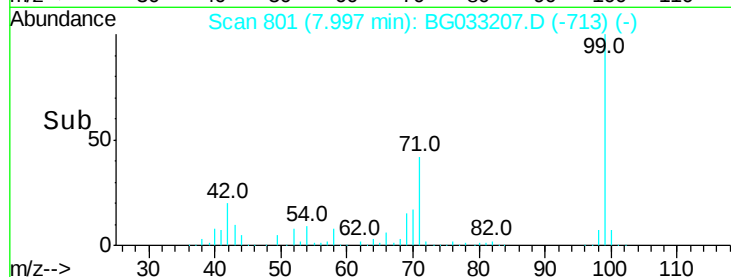
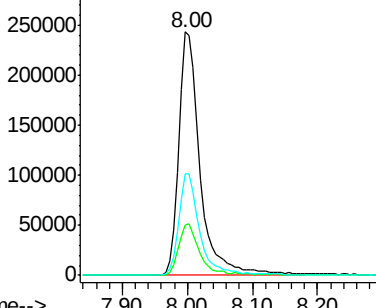
71 41.8 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.447 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

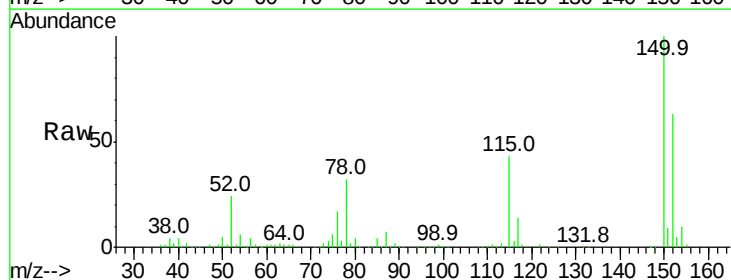
Tgt Ion: 79 Resp: 7007

Ion Ratio Lower Upper

79 100

108 20.0 57.2 85.8#

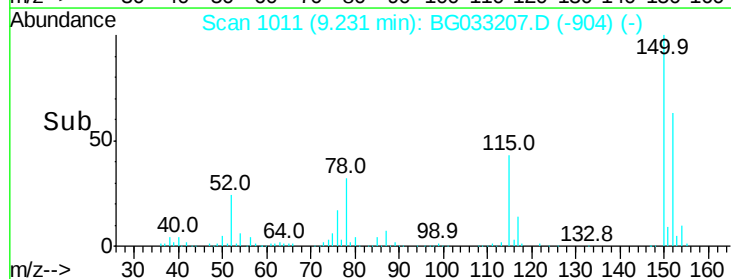
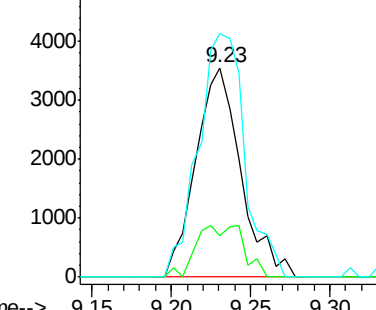
77 116.5 46.1 69.1#

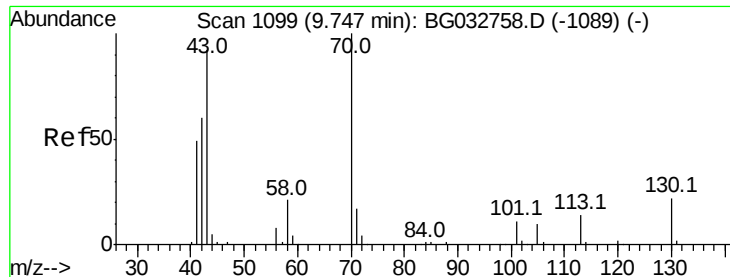


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

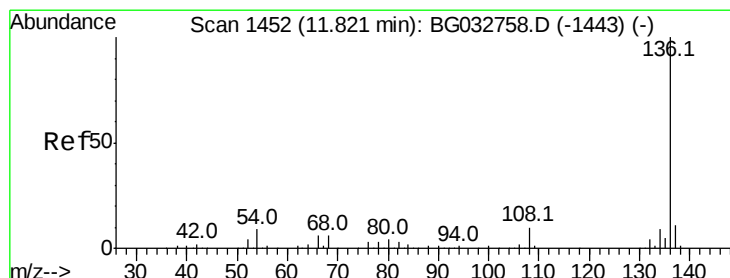
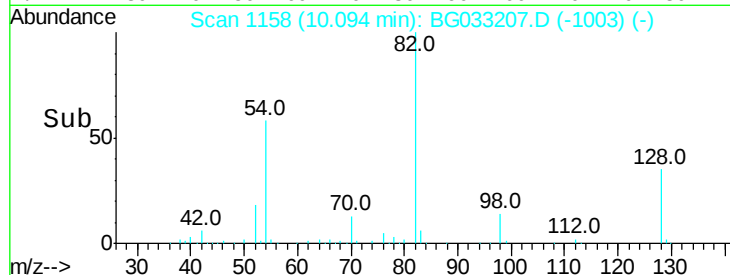
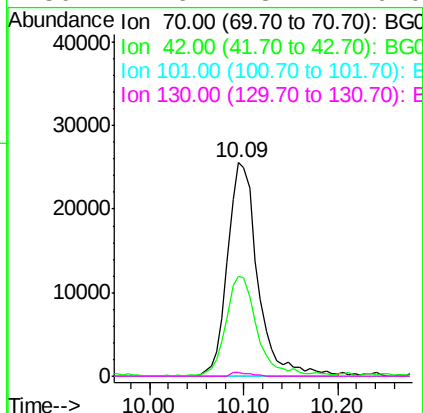
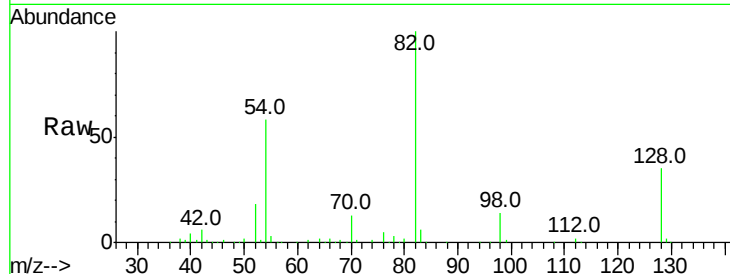




#19
n-Nitroso-di-n-propylamine
Concen: 20.761 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

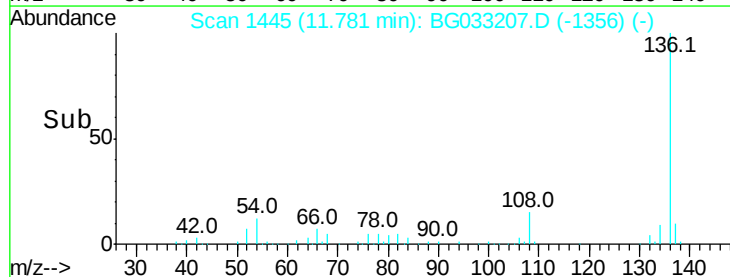
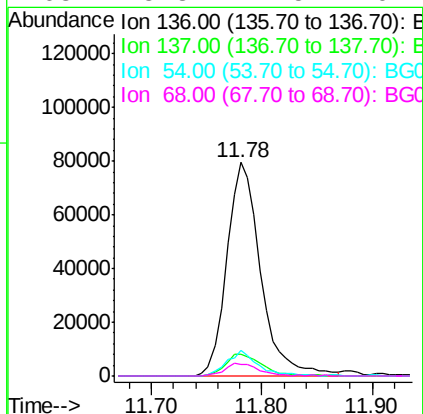
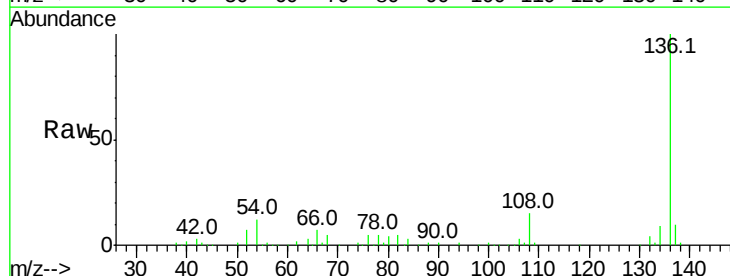
Instrument :
BNA_G
ClientSampleId :
4526

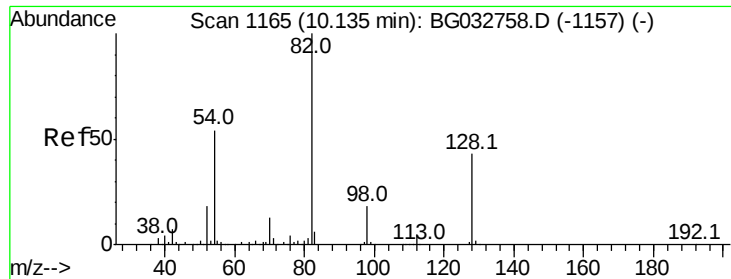
Tot Ion: 70 Resp: 57083
Ion Ratio Lower Upper
70 100
42 46.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Tgt Ion: 136 Resp: 170546
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 11.9 10.3 15.5
68 5.3 4.5 6.7

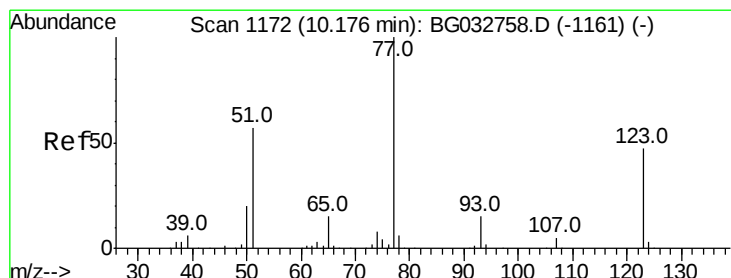
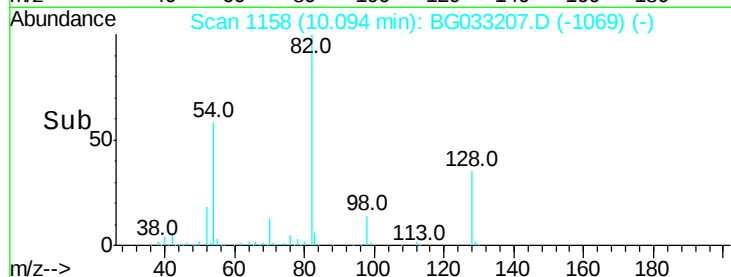
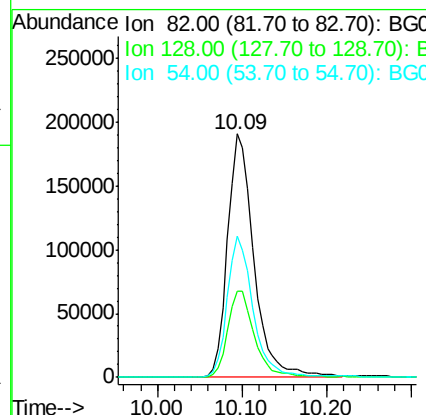
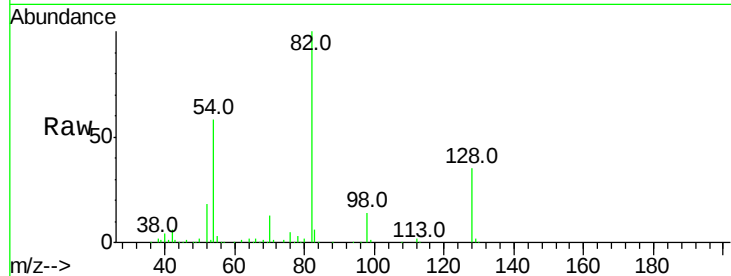




#23
 Nitrobenzene-d5
 Concen: 158.286 ng
 RT: 10.09 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BG033207.D
 Acq: 16 Mar 2018 19:54

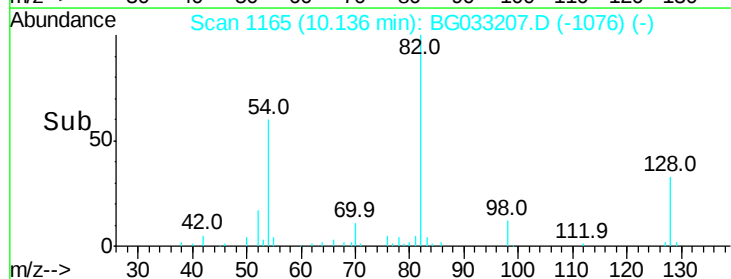
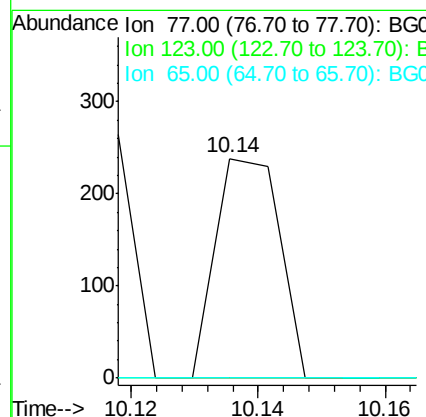
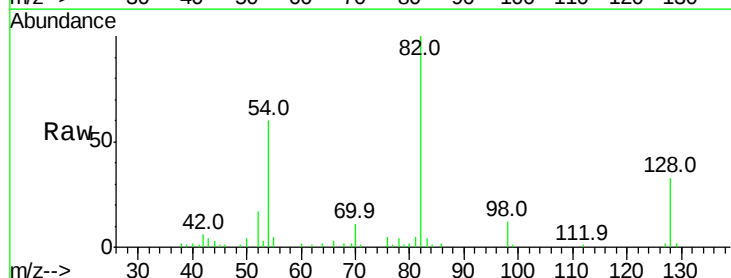
Instrument :
 BNA_G
 ClientSampled :
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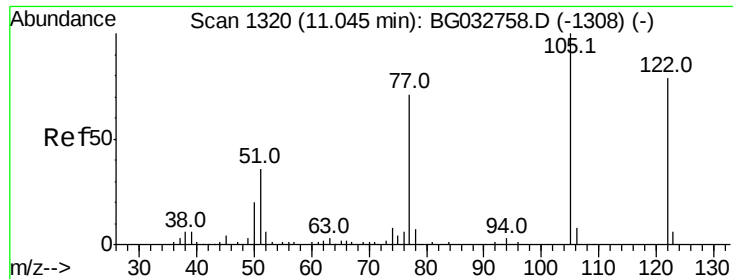
Tot Ion: 82 Resp: 412783
 Ion Ratio Lower Upper
 82 100
 128 35.4 29.7 44.5
 54 57.8 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.433 ng
 RT: 10.14 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BG033207.D
 Acq: 16 Mar 2018 19:54

Tgt Ion: 77 Resp: 165
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#





#32

Benzoic acid

Concen: 5.856 ng

RT: 10.99 min Scan# 1311

Delta R.T. 0.02 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

Instrument :

BNA_G

ClientSampleId :

4526

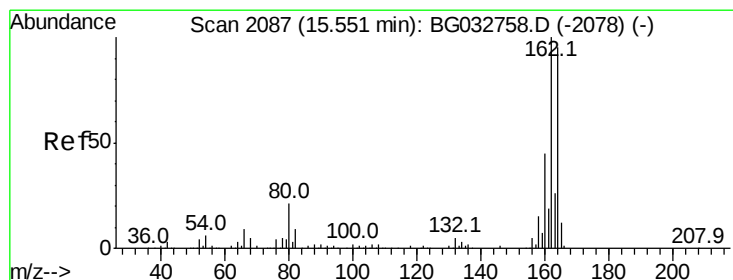
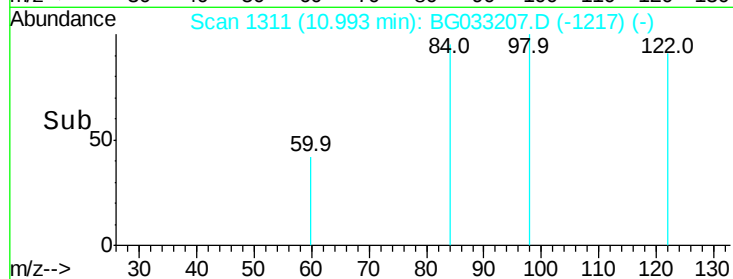
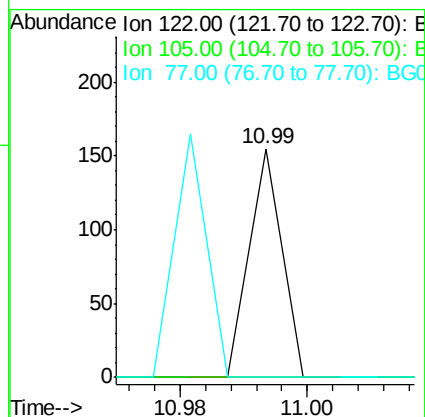
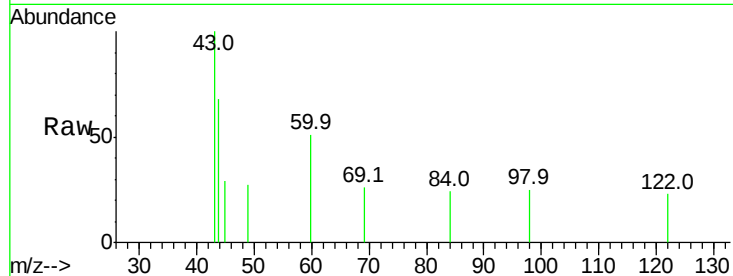
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

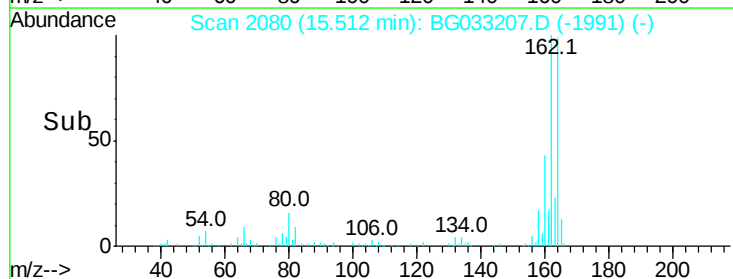
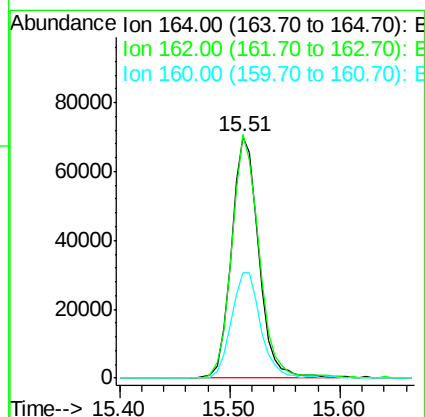
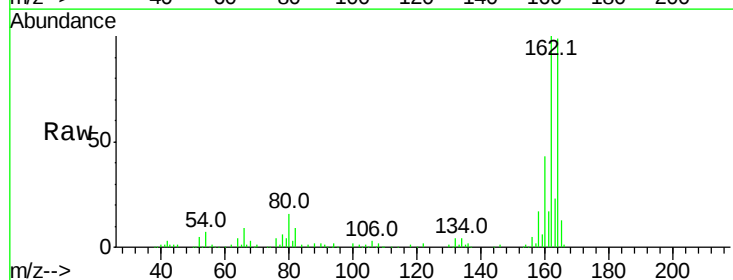
Tgt Ion:164 Resp: 121465

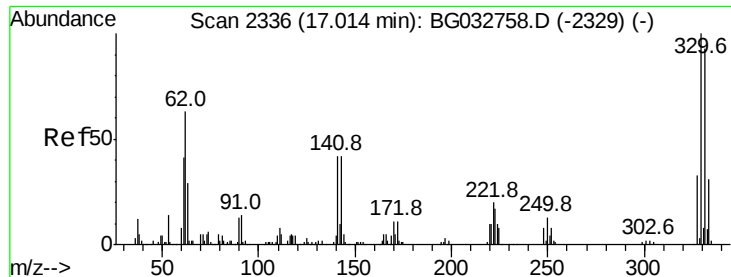
Ion Ratio Lower Upper

164 100

162 100.8 78.8 118.2

160 43.6 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 236.227 ng

RT: 16.99 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

Instrument :

BNA_G

ClientSampled :

4526

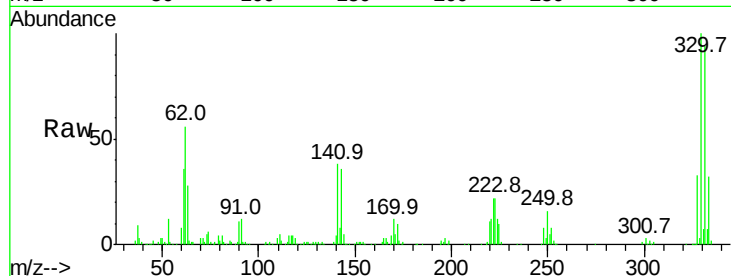
Tot Ion:330 Resp: 301700

Ion Ratio Lower Upper

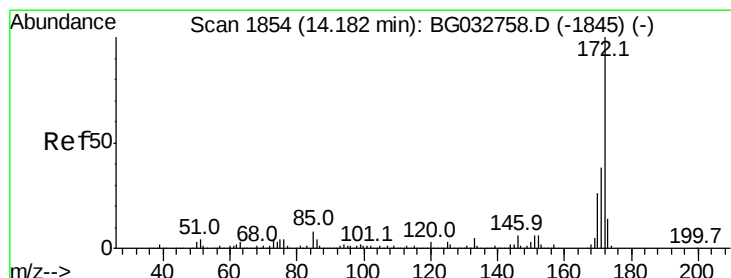
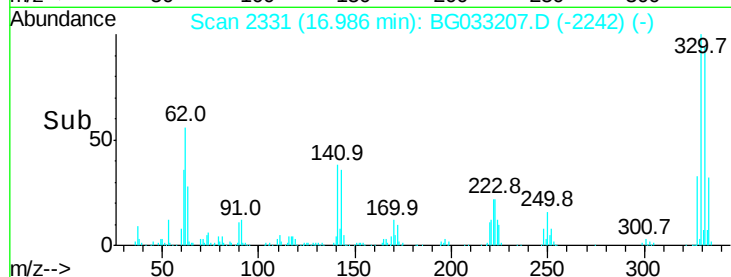
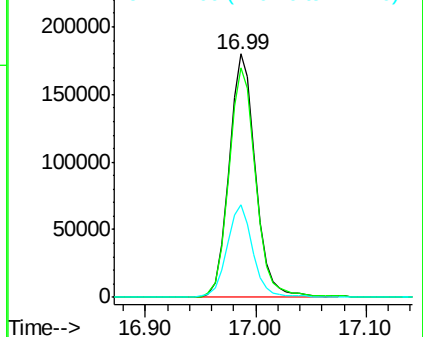
330 100

332 96.4 77.0 115.6

141 37.3 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: 109.866 ng

RT: 14.14 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

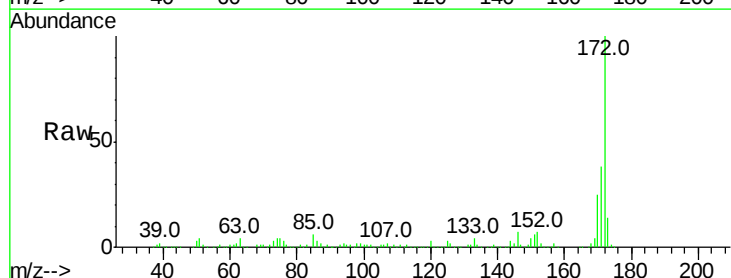
Tgt Ion:172 Resp: 925279

Ion Ratio Lower Upper

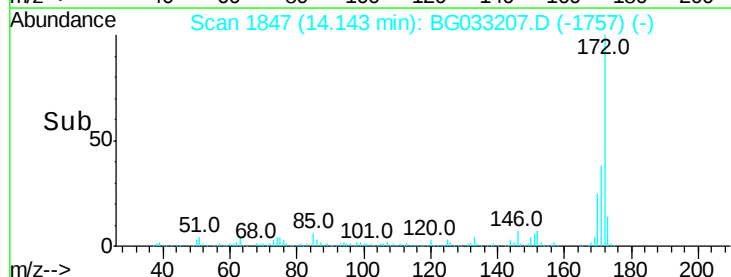
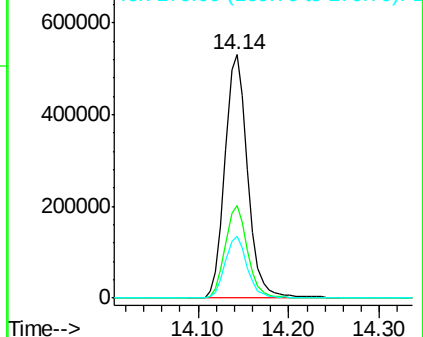
172 100

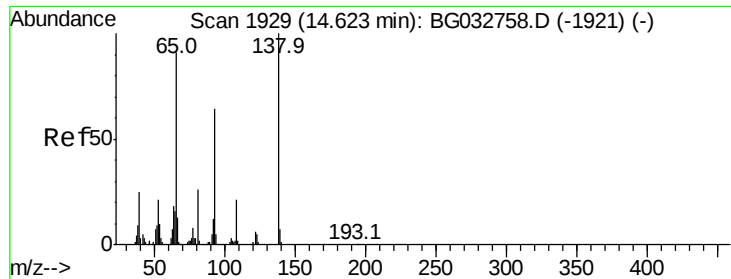
171 38.2 30.0 45.0

170 25.3 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: 10.630 ng

RT: 14.14 min Scan# 1846

Delta R.T. -0.46 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

Instrument :

BNA_G

ClientSampled :

4526

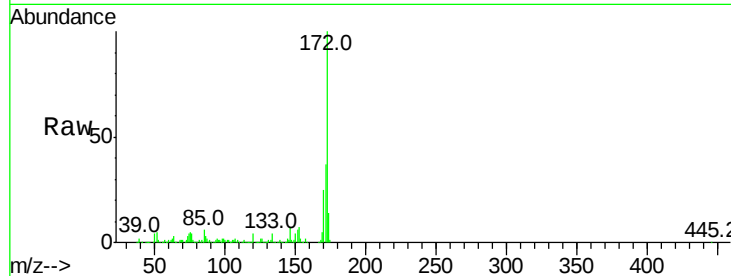
Tot Ion: 65 Resp: 1997

Ion Ratio Lower Upper

65 100

92 117.5 54.6 82.0#

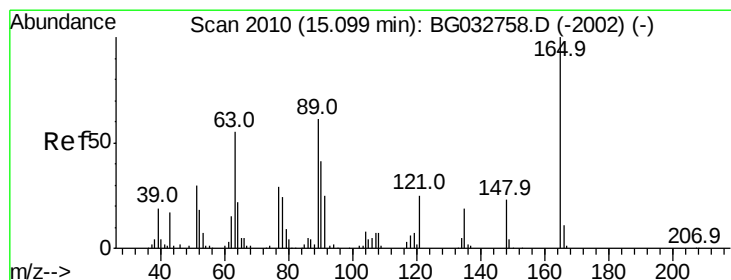
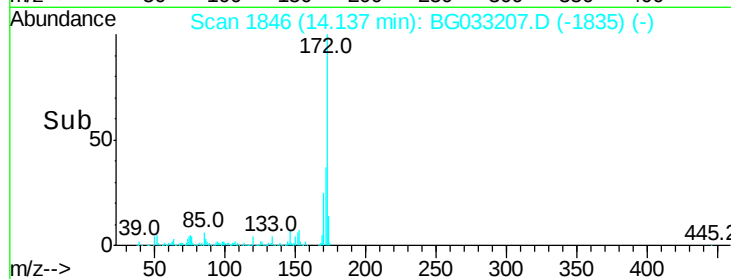
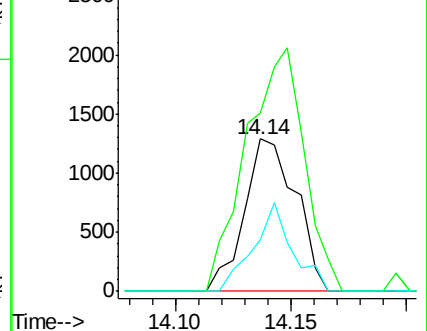
138 34.2 72.9 109.3#



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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.279 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.43 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

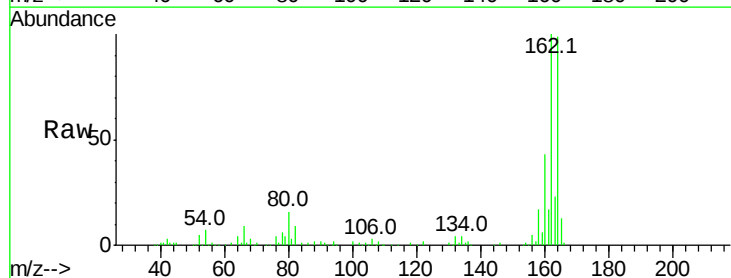
Tgt Ion:165 Resp: 15466

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

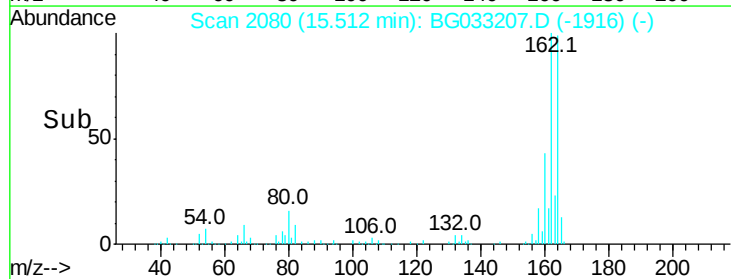
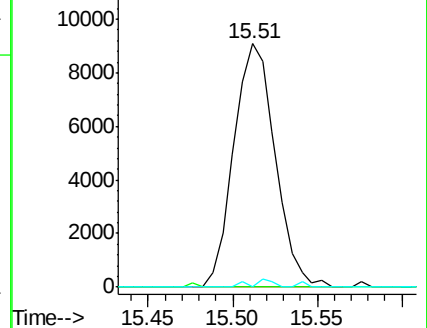
89 0.0 49.2 73.8#

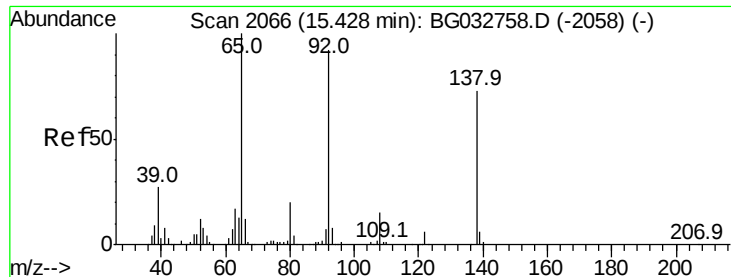


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 7.565 ng

RT: 15.15 min Scan# 2019

Delta R.T. -0.26 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

Instrument :

BNA_G

ClientSampleId :

4526

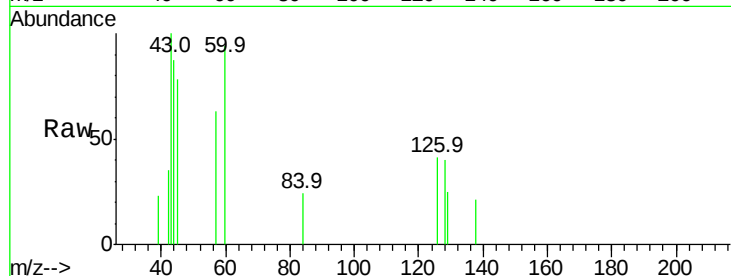
Tot Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

92 0.0 105.8 158.8#



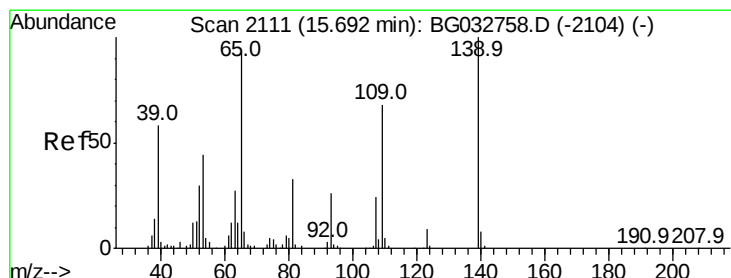
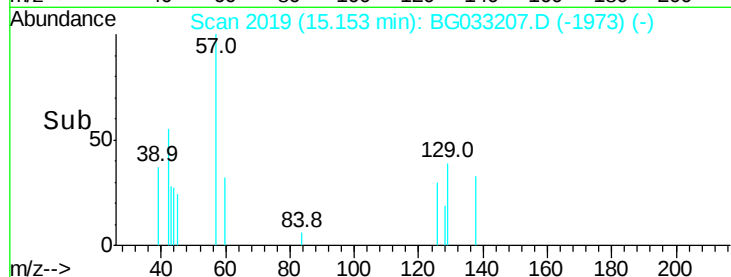
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

15.15

Time-->



#55

4-Nitrophenol

Concen: 7.117 ng

RT: 15.72 min Scan# 2116

Delta R.T. 0.03 min

Lab File: BG033207.D

Acq: 16 Mar 2018 19:54

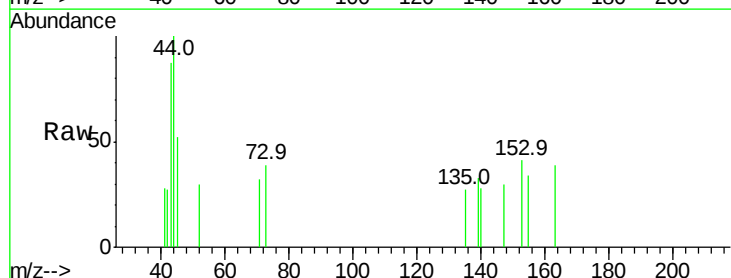
Tgt Ion:139 Resp: 67

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

65 0.0 97.2 137.2#



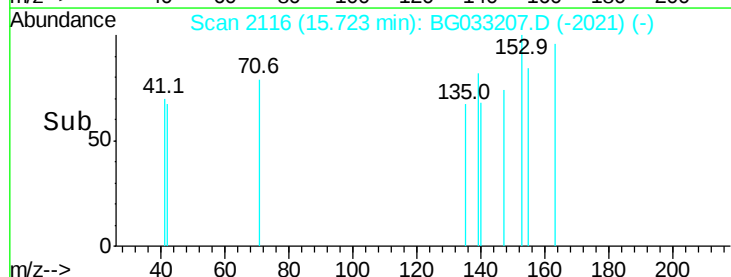
Abundance Ion 139.00 (138.70 to 139.70): E

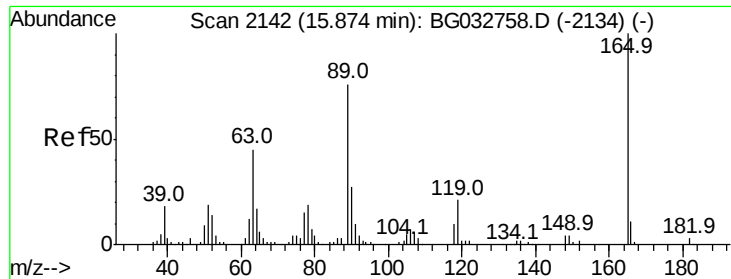
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.72

Time-->

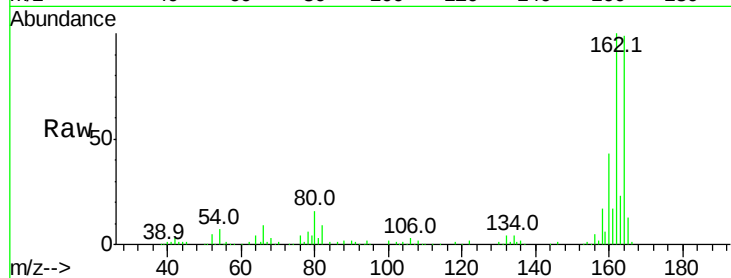




#56
 2,4-Dinitrotoluene
 Concen: 14.476 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. -0.34 min
 Lab File: BG033207.D
 Acq: 16 Mar 2018 19:54

Instrument :
 BNA_G
 ClientSampleId :
 4526

Tot Ion:	165	Resp:	15466
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

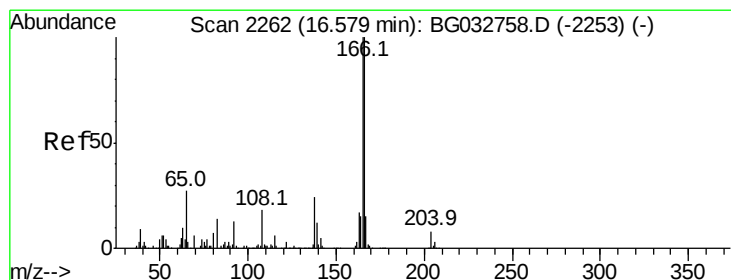
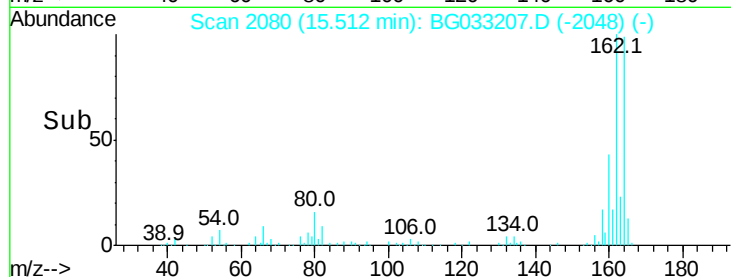
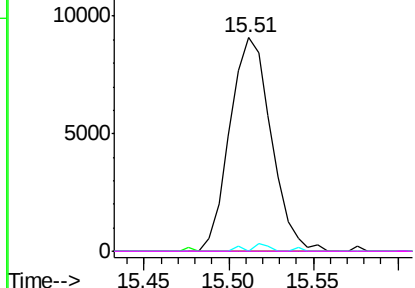


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

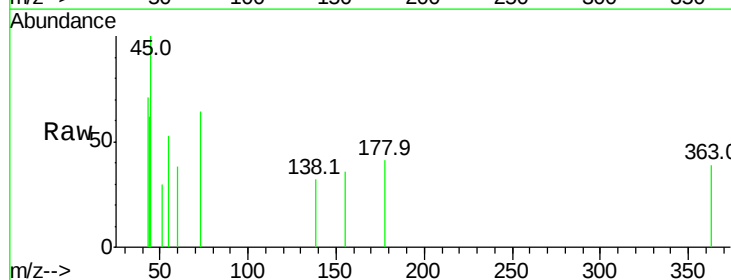
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#61
 4-Nitroaniline
 Concen: 5.322 ng
 RT: 16.43 min Scan# 2237
 Delta R.T. -0.13 min
 Lab File: BG033207.D
 Acq: 16 Mar 2018 19:54

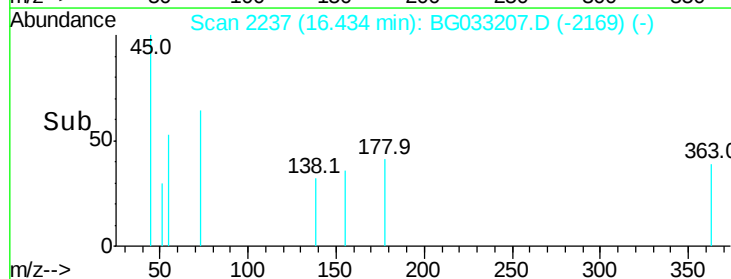
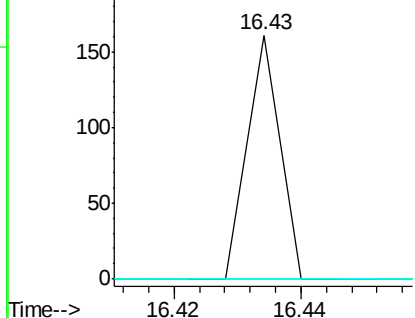
Tgt Ion:	138	Resp:	57
Ion	Ratio	Lower	Upper
138	100		
92	0.0	40.1	80.1#
108	0.0	65.4	105.4#

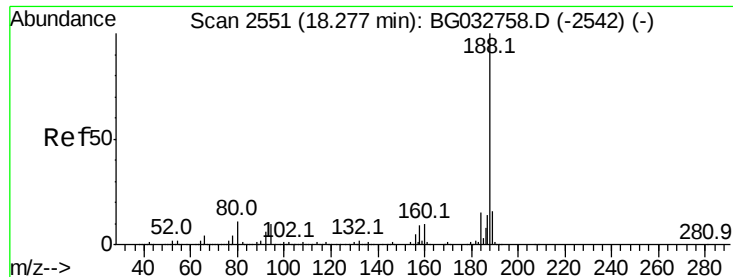


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

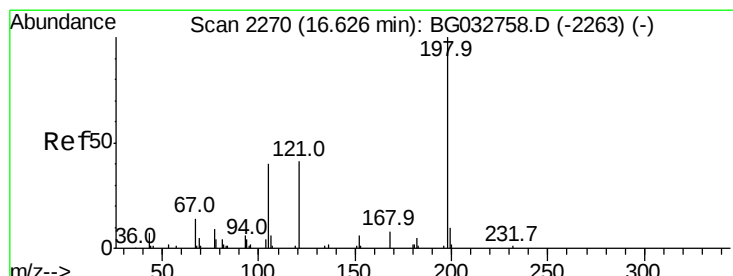
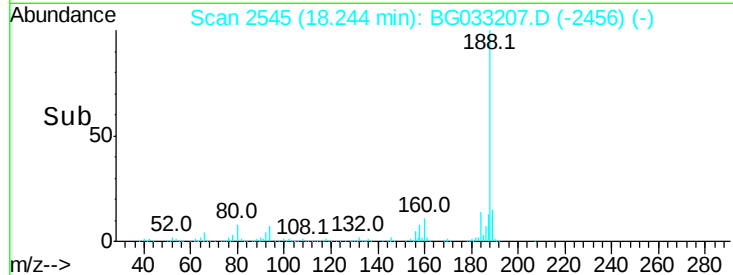
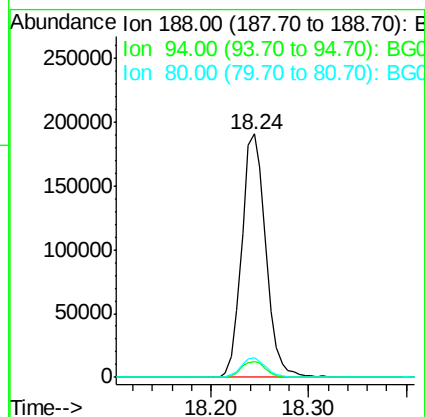
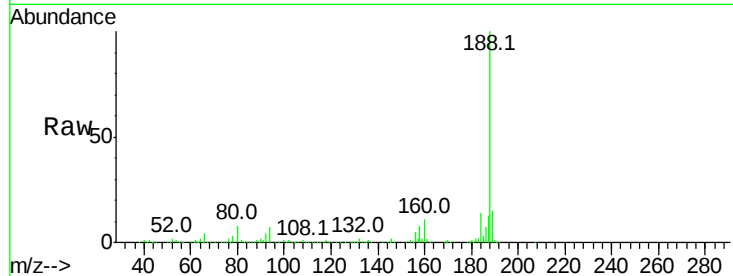




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

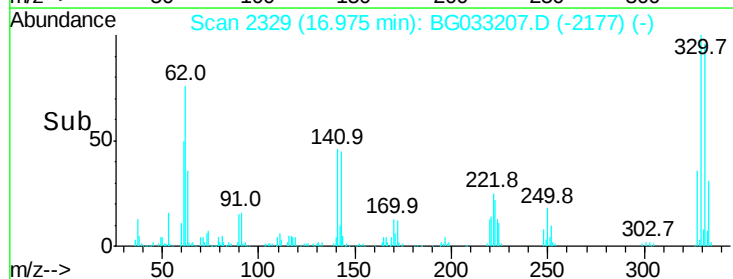
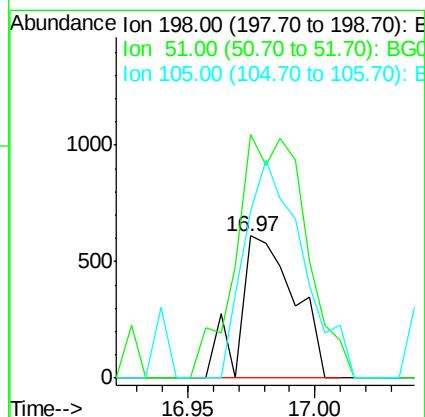
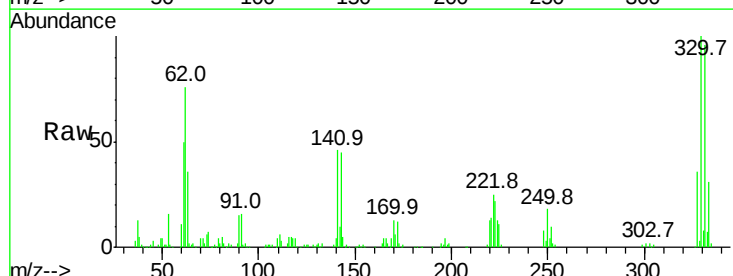
Instrument :
BNA_G
ClientSampleId :
4526

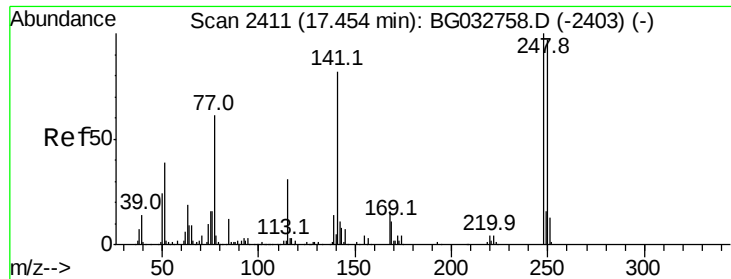
Tot Ion:188 Resp: 326529
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 8.0 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 6.141 ng
RT: 16.97 min Scan# 2329
Delta R.T. 0.36 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Tgt Ion:198 Resp: 919
Ion Ratio Lower Upper
198 100
51 43.6 30.6 70.6
105 30.0 23.8 63.8

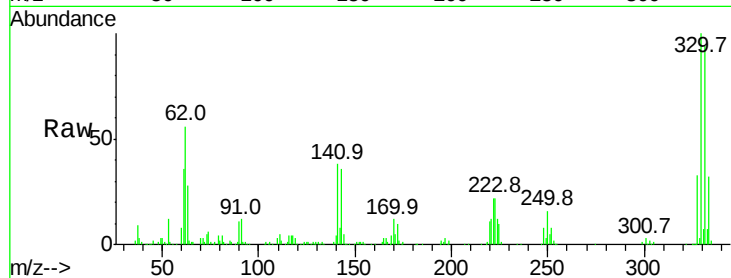




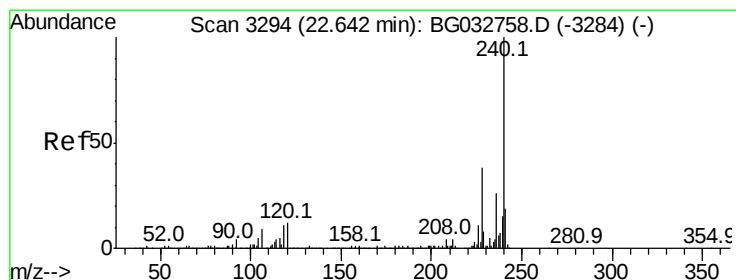
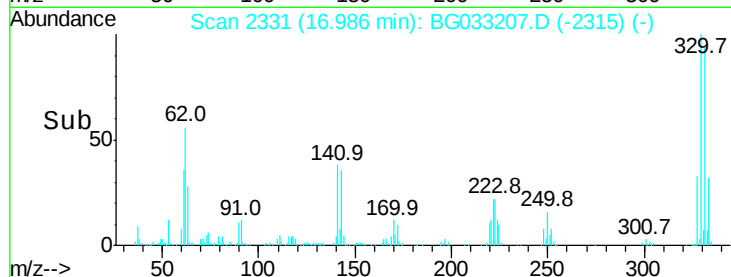
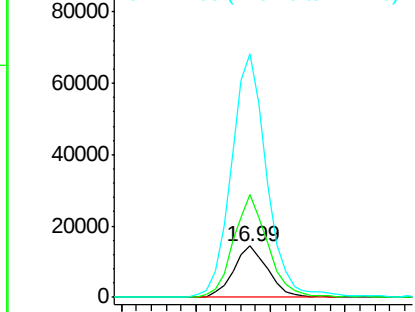
#66
4-Bromophenyl-phenylether
Concen: 6.721 ng
RT: 16.99 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Instrument :
BNA_G
ClientSampleId :
4526

Tot Ion:248 Resp: 23206
Ion Ratio Lower Upper
248 100
250 200.5 77.1 115.7#
141 477.2 50.8 76.2#

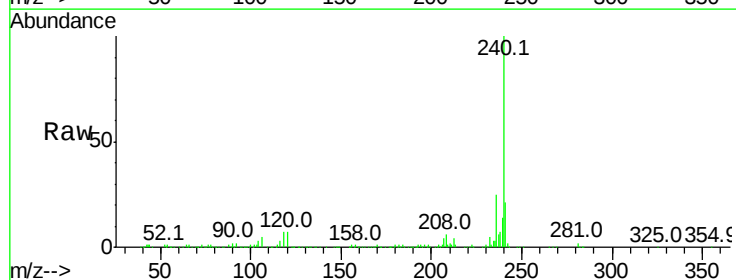


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

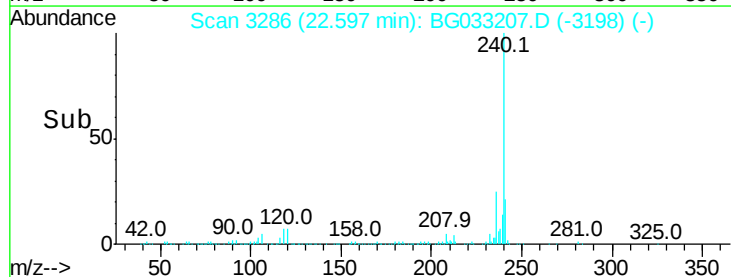
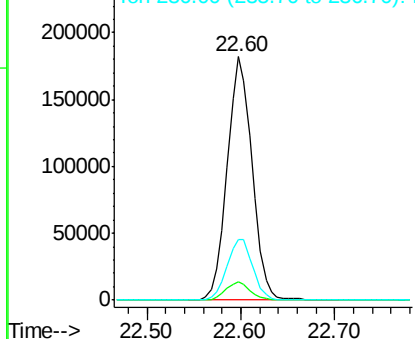


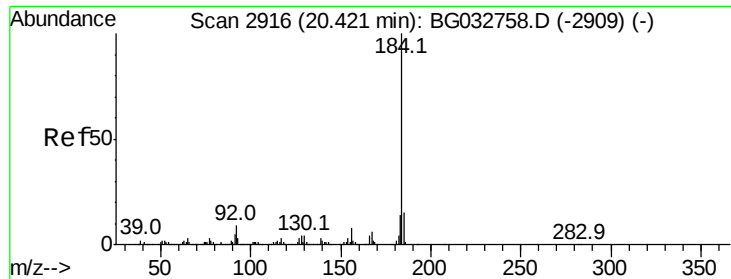
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Tgt Ion:240 Resp: 333992
Ion Ratio Lower Upper
240 100
120 7.3 6.8 10.2
236 25.1 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

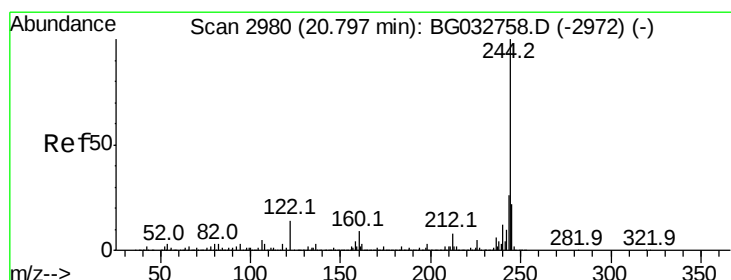
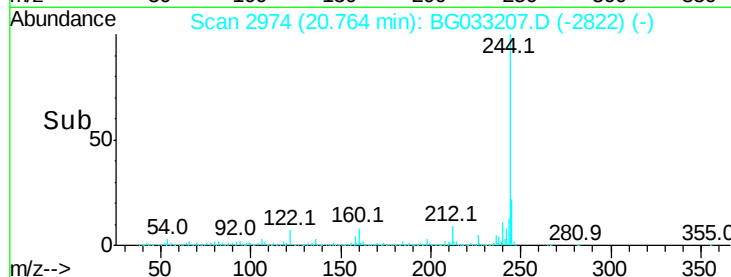
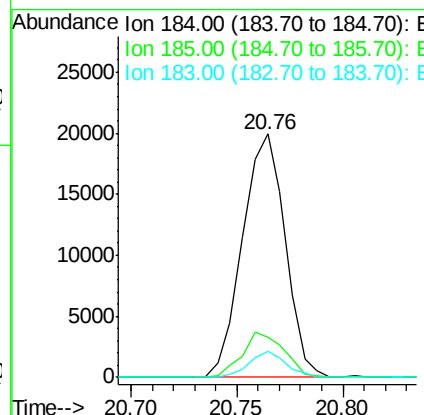
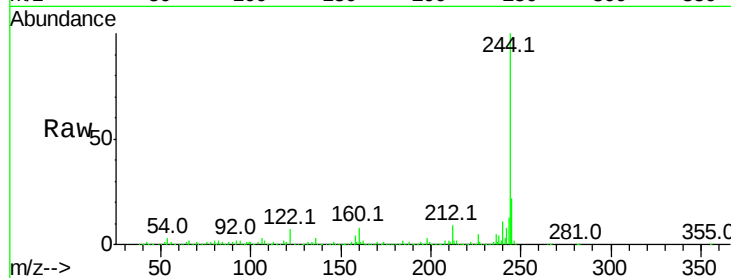




#76
Benzidine
Concen: 2.444 ng
RT: 20.76 min Scan# 2974
Delta R.T. 0.36 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

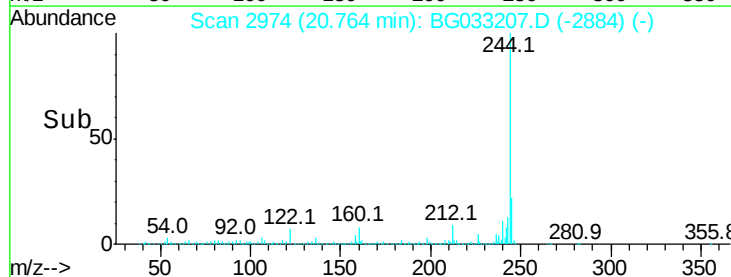
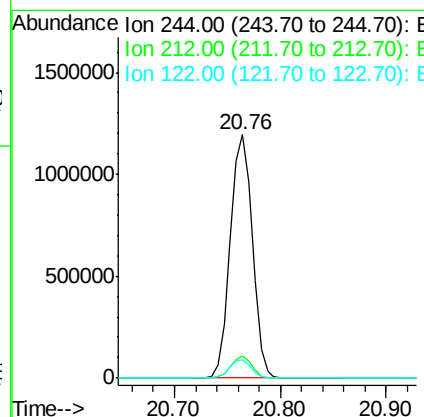
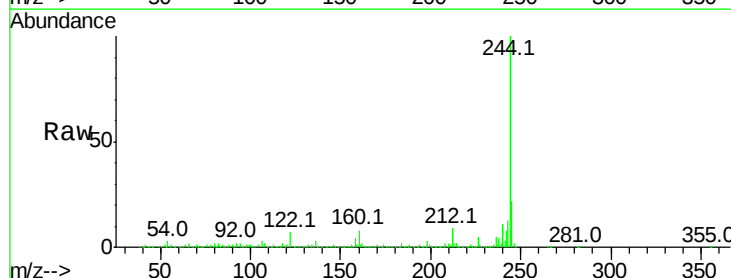
Instrument :
BNA_G
ClientSampled :
4526

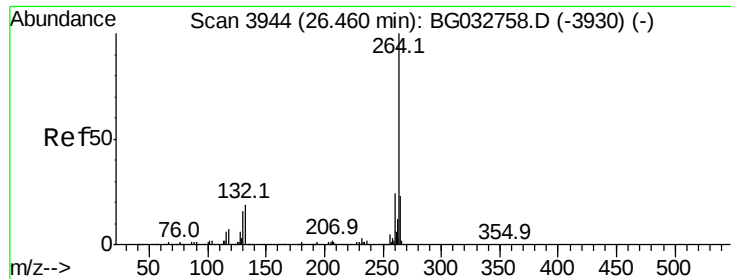
Tot Ion:184 Resp: 27827
Ion Ratio Lower Upper
184 100
185 16.3 11.1 16.7
183 10.7 10.6 16.0



#78
Terphenyl-d14
Concen: 116.250 ng
RT: 20.76 min Scan# 2974
Delta R.T. 0.00 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Tgt Ion:244 Resp: 1728139
Ion Ratio Lower Upper
244 100
212 8.9 5.8 8.8#
122 7.4 7.0 10.4

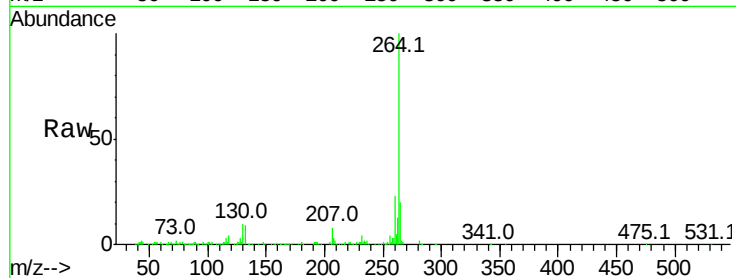




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3933
Delta R.T. -0.01 min
Lab File: BG033207.D
Acq: 16 Mar 2018 19:54

Instrument :
BNA_G
ClientSampleId :
4526

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.5	17.7	26.5



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

