

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022218\
 Data File : BG032783.D
 Acq On : 22 Feb 2018 16:27
 Operator : SJ/JU
 Sample : J1635-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-3FT

Quant Time: Feb 22 18:04:38 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	8.92	152	77283	20.00	ng	-0.01
21) Naphthalene-d8	11.81	136	337061	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	187655	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	428460	20.00	ng	-0.01
75) Chrysene-d12	22.62	240	400814	20.00	ng	-0.02
86) Perylene-d12	26.43	264	423233	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	655352	135.67	ng	0.00
7) Phenol-d6	8.02	99	768564	114.15	ng	0.00
23) Nitrobenzene-d5	10.13	82	542873	108.65	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	311948	158.10	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1211518	93.11	ng	0.00
78) Terphenyl-d14	20.79	244	1734048	97.20	ng	0.00

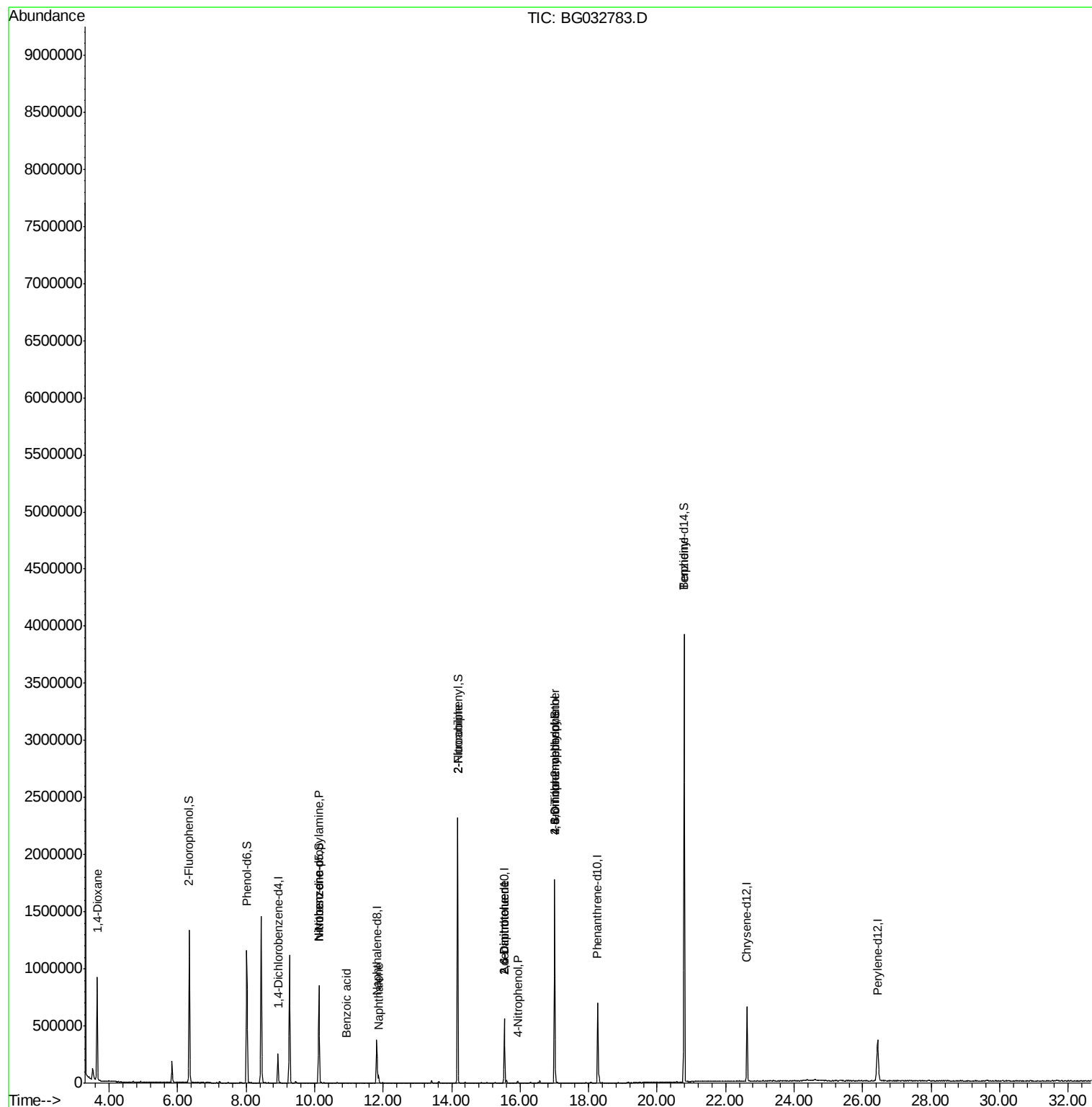
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	9764	4.657	ng	# 1
19) n-Nitroso-di-n-propylamine	10.12	70	71061	14.949	ng	# 82
24) Nitrobenzene	10.13	77	1773	6.666	ng	# 44
31) Naphthalene	11.86	128	66851	3.796	ng	# 98
32) Benzoic acid	10.94	122	466	5.993	ng	# 96
47) 2-Nitroaniline	14.17	65	2128	10.383	ng	# 4
50) 2,6-Dinitrotoluene	15.54	165	23731	16.228	ng	# 20
55) 4-Nitrophenol	15.93	139	4140	8.527	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23731	14.425	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	938	5.878	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	22061	4.869	ng	# 1
76) Benzidine	20.79	184	29680	2.172	ng	# 95

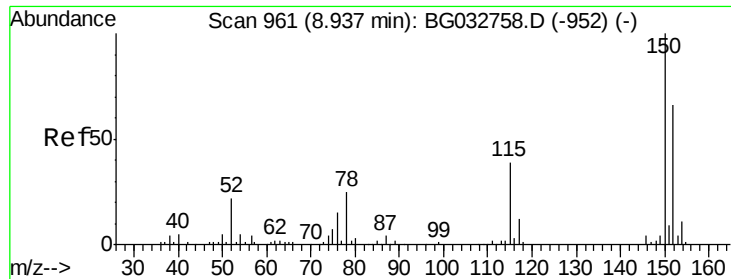
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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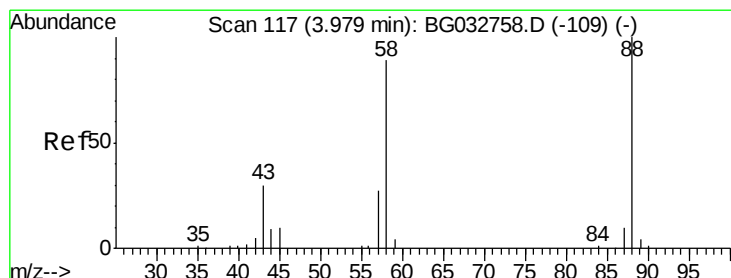
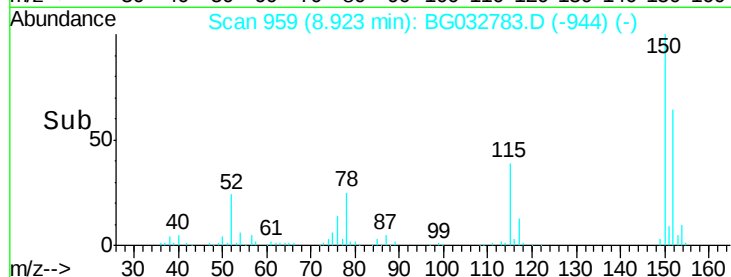
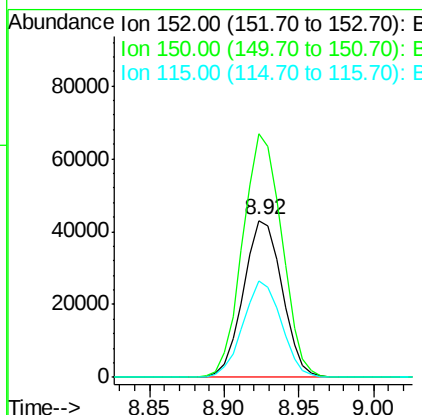
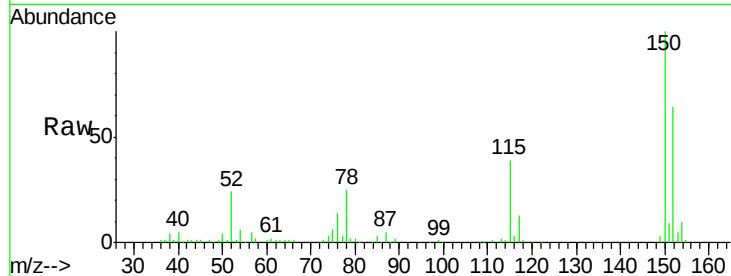


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Instrument :
BNA_G
ClientSampleId :
TP-1-3FT

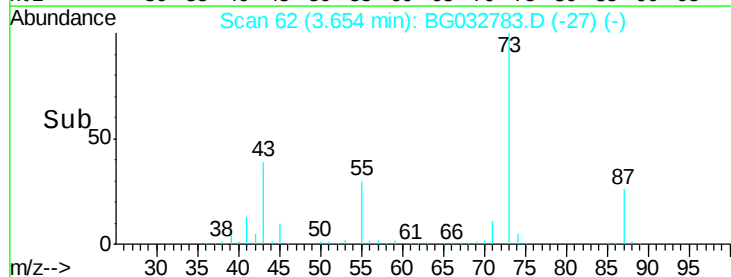
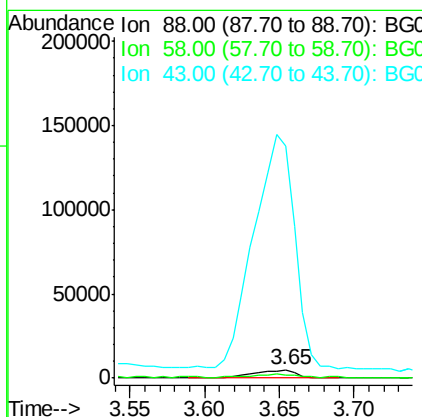
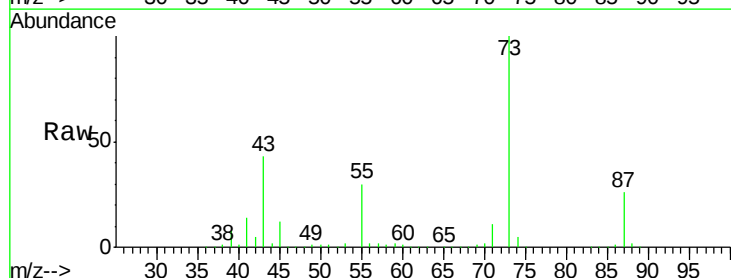
Tot Ion:152 Resp: 77283
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 61.1 53.0 79.4

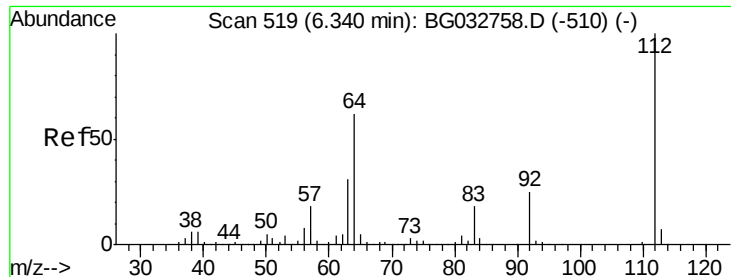


#2

1,4-Dioxane
Concen: 4.657 ng
RT: 3.65 min Scan# 62
Delta R.T. -0.32 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Tgt Ion: 88 Resp: 9764
Ion Ratio Lower Upper
88 100
58 36.7 79.6 119.4#
43 2729.6 27.4 41.0#





#5

2-Fluorophenol

Concen: 135.666 ng

RT: 6.34 min Scan# 519

Delta R.T. -0.00 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

Instrument :

BNA_G

ClientSampled :

TP-1-3FT

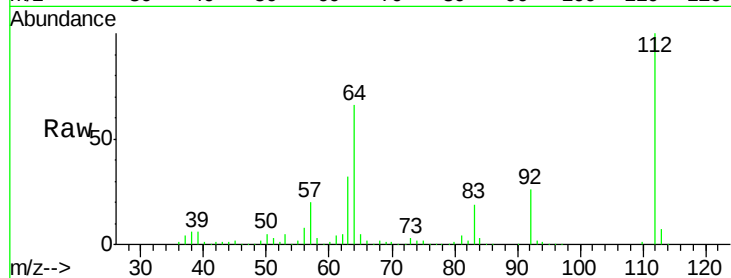
Tot Ion:112 Resp: 655352

Ion Ratio Lower Upper

112 100

64 65.5 56.3 84.5

63 32.5 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

500000

400000

300000

200000

100000

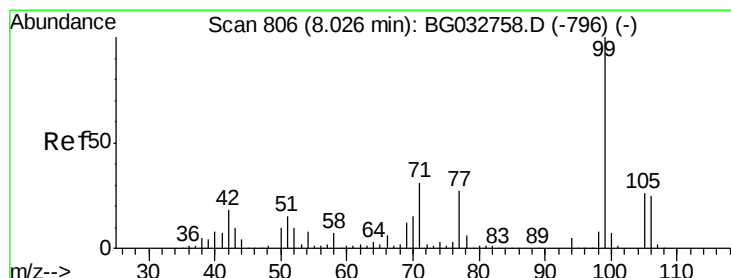
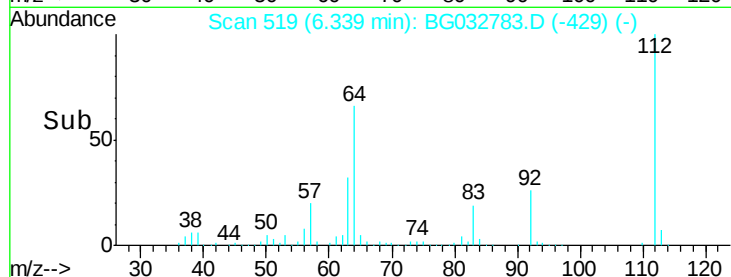
0

6.30

6.34

6.40

Time-->



#7

Phenol-d6

Concen: 114.145 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.01 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

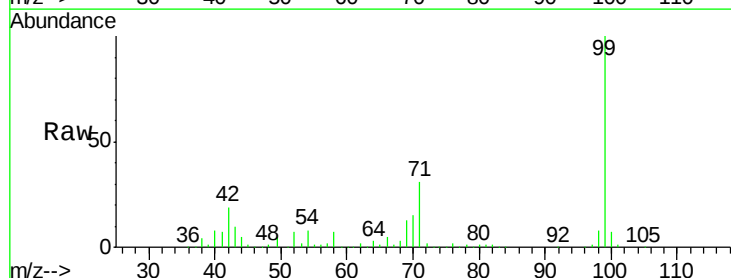
Tgt Ion: 99 Resp: 768564

Ion Ratio Lower Upper

99 100

42 19.3 14.1 21.1

71 31.4 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

500000

400000

300000

200000

100000

0

7.90

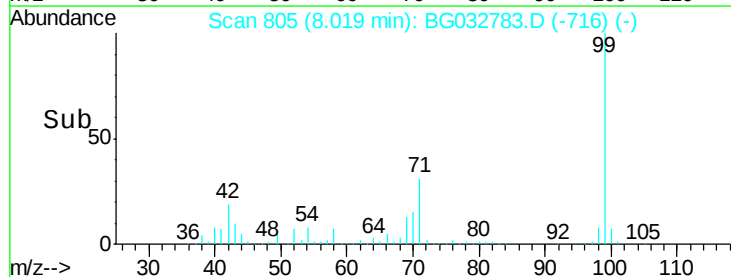
8.00

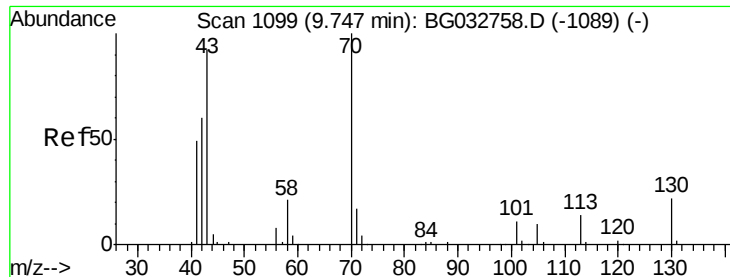
8.02

8.10

8.20

Time-->

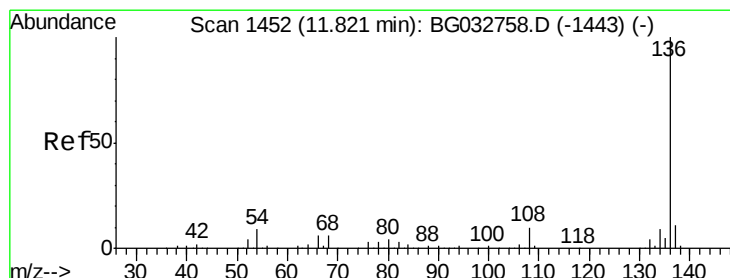
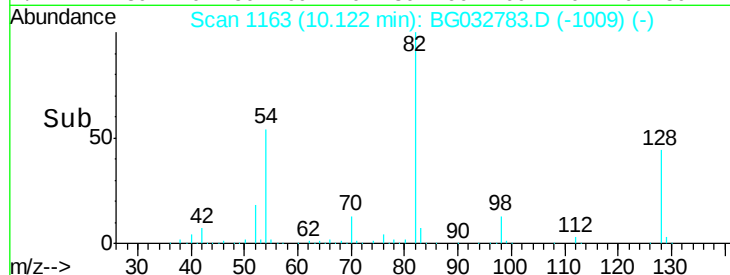
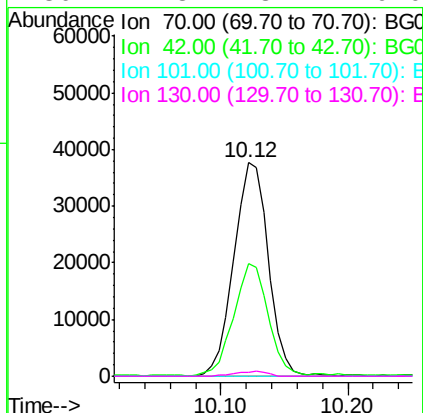
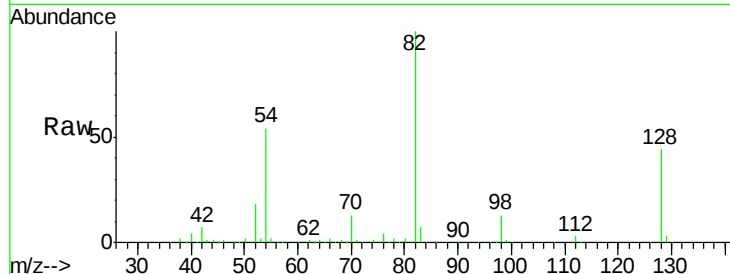




#19
n-Nitroso-di-n-propylamine
Concen: 14.949 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.37 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

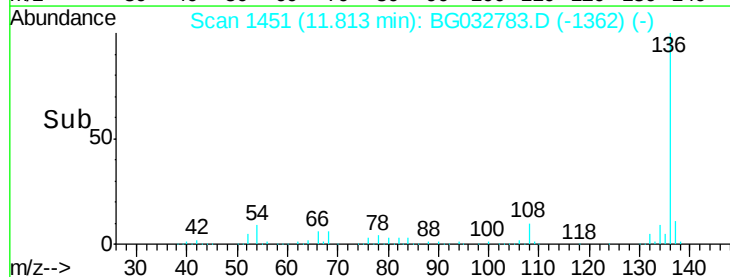
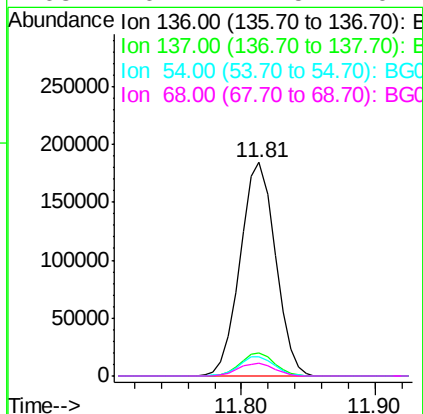
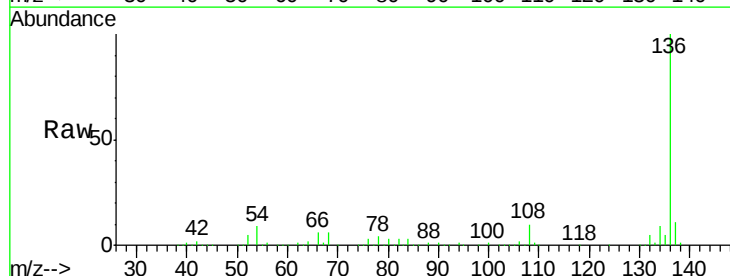
Instrument :
BNA_G
ClientSampleId :
TP-1-3FT

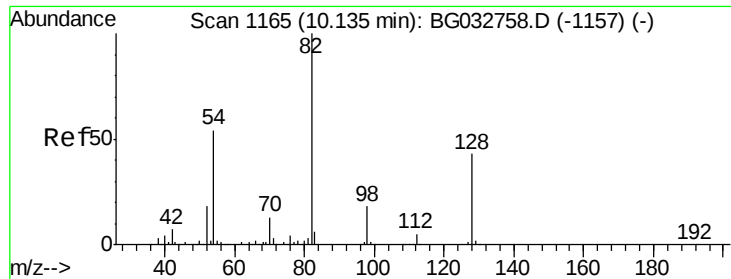
Tot Ion: 70 Resp: 71061
Ion Ratio Lower Upper
70 100
42 52.5 49.1 73.7
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Tgt Ion: 136 Resp: 337061
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.0 10.3 15.5#
68 6.2 4.5 6.7

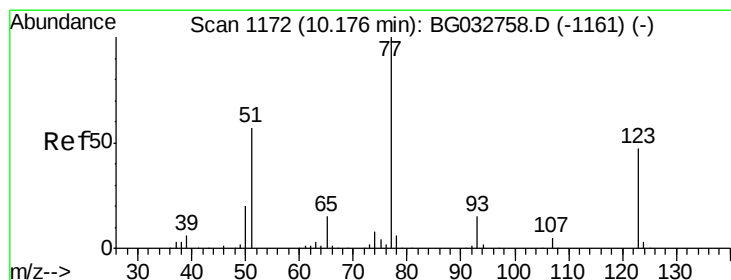
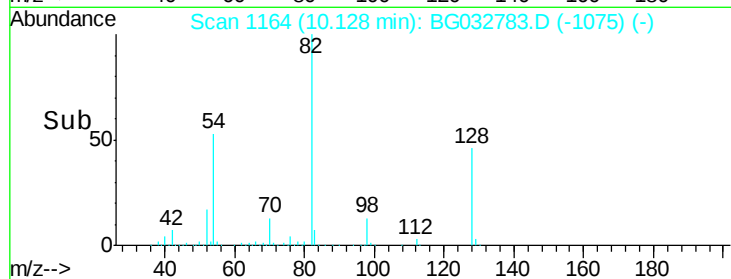
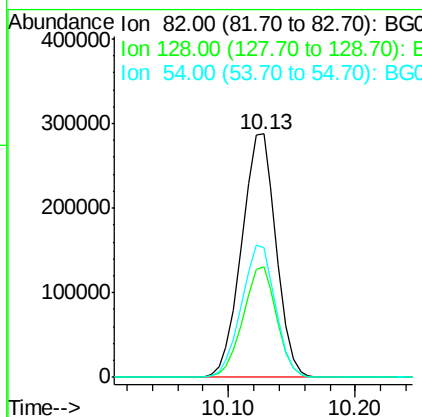
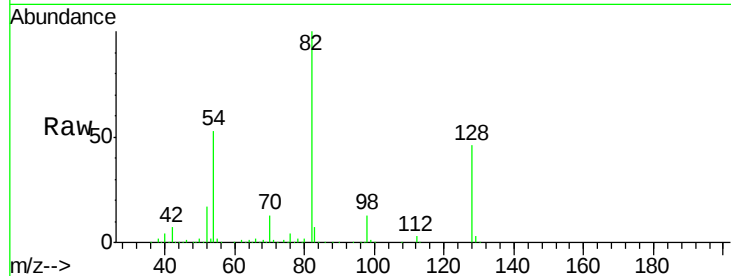




#23
 Nitrobenzene-d5
 Concen: 108.647 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BG032783.D
 Acq: 22 Feb 2018 16:27

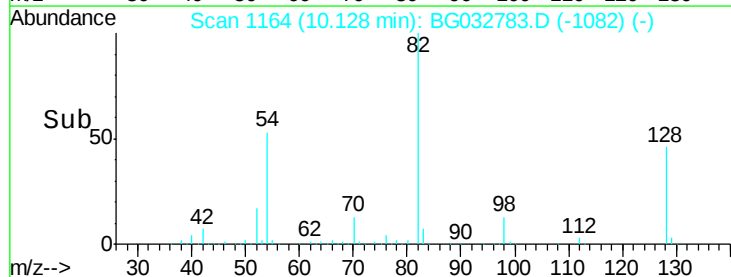
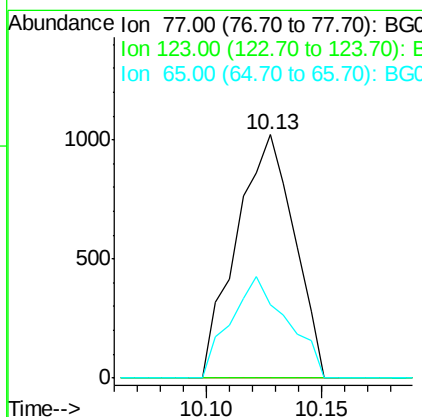
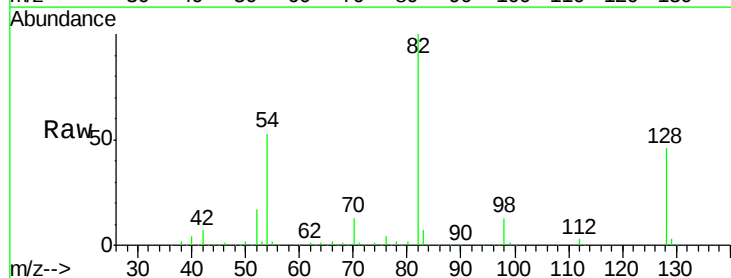
Instrument :
 BNA_G
 ClientSampled :
 TP-1-3FT

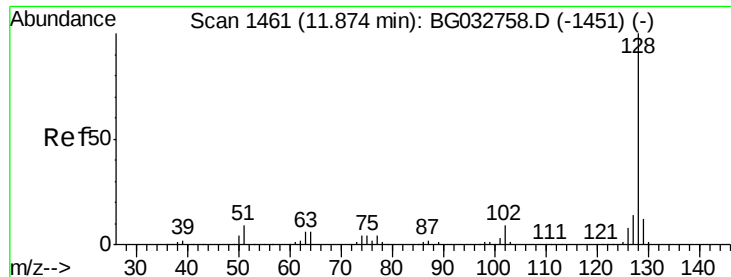
Tot Ion	82	Resp	542873
Ion Ratio	100	Lower	Upper
128	45.6	29.7	44.5#
54	53.5	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.666 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.05 min
 Lab File: BG032783.D
 Acq: 22 Feb 2018 16:27

Tgt Ion	77	Resp	1773
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
123	0.0	33.0	49.6#
65	29.9	13.0	19.6#

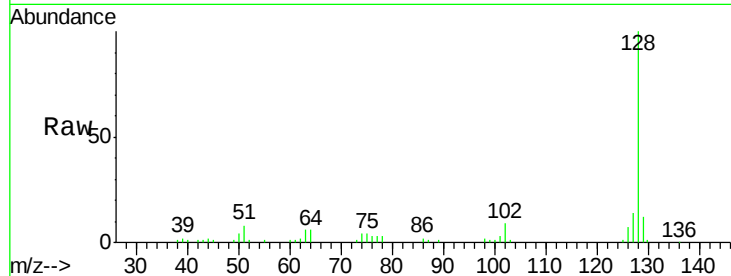




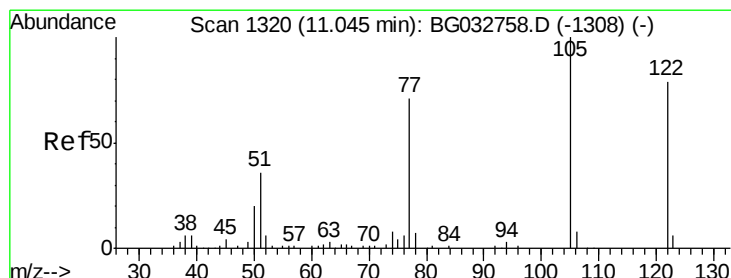
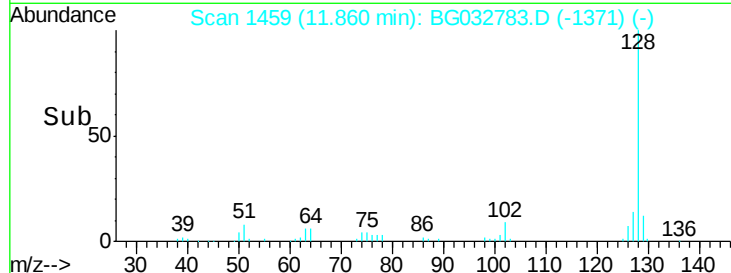
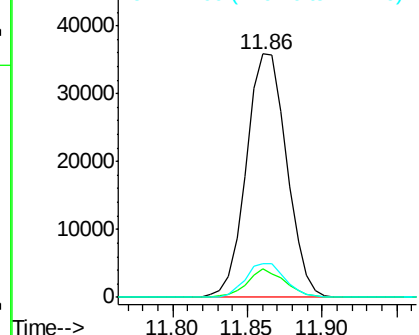
#31
Naphthalene
Concen: 3.796 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Instrument :
BNA_G
ClientSampleId :
TP-1-3FT

Tot Ion:128 Resp: 66851
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.0 11.6 17.4

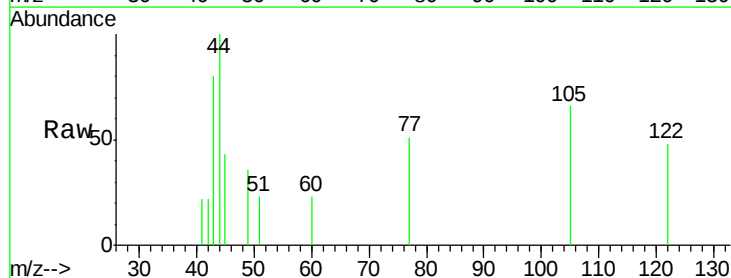


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

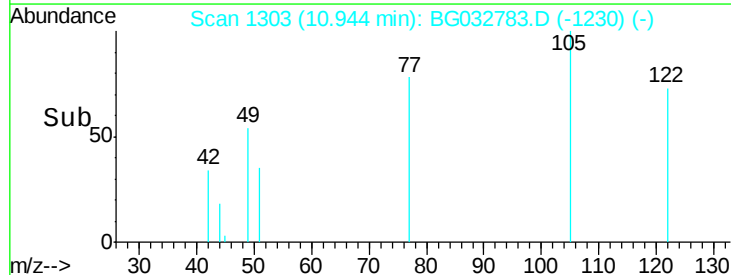
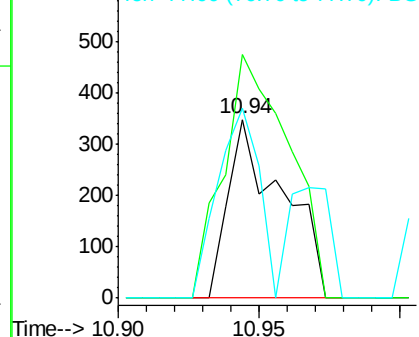


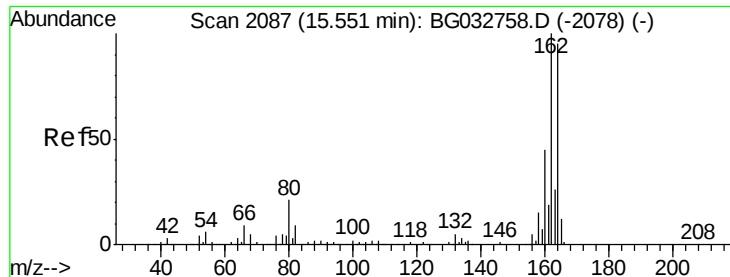
#32
Benzoic acid
Concen: 5.993 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.10 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Tgt Ion:122 Resp: 466
Ion Ratio Lower Upper
122 100
105 136.2 123.5 163.5
77 106.0 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

TP-1-3FT

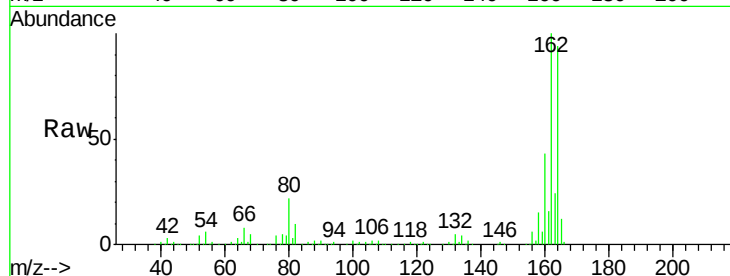
Tot Ion:164 Resp: 187655

Ion Ratio Lower Upper

164 100

162 106.6 78.8 118.2

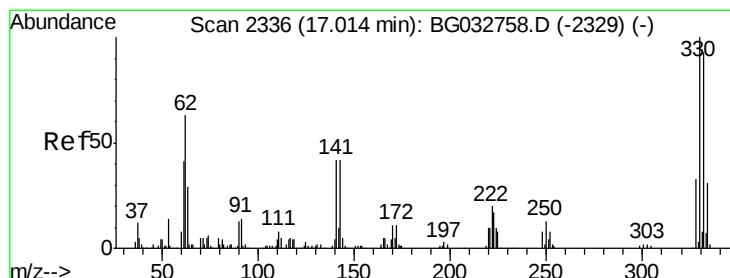
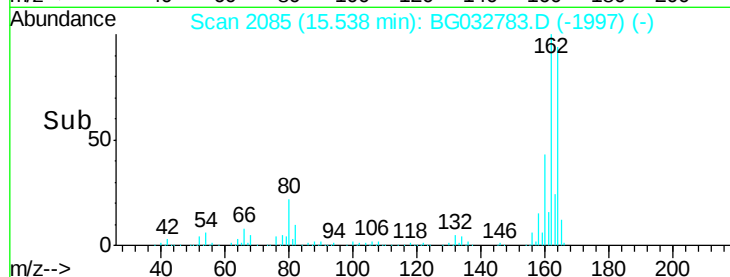
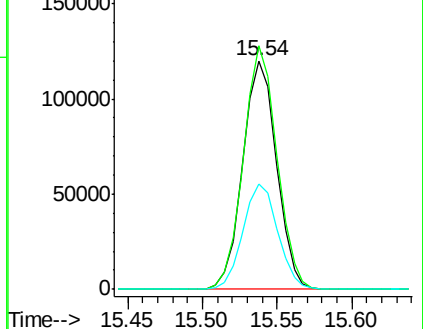
160 46.0 35.4 53.0



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: 158.098 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

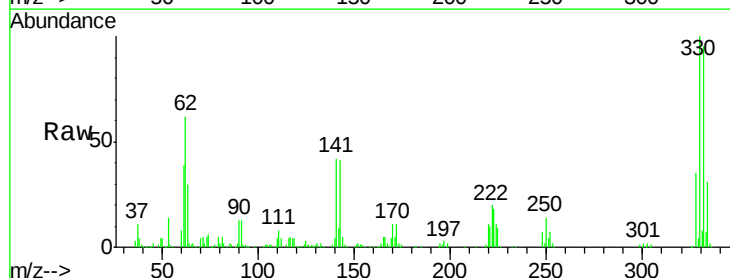
Tgt Ion:330 Resp: 311948

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

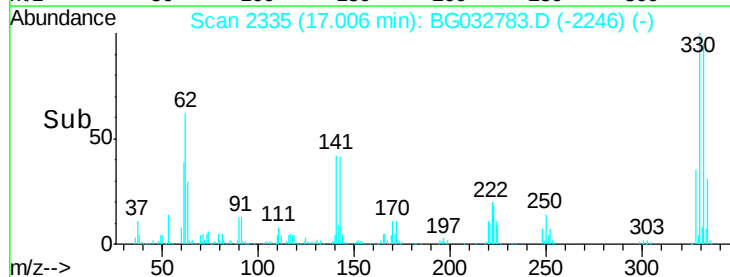
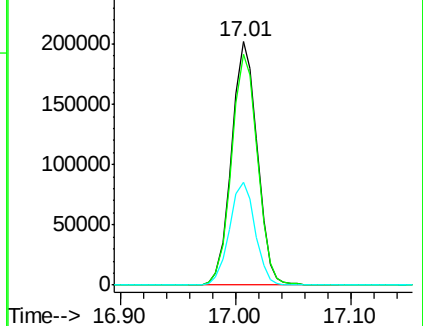
141 42.1 25.2 37.8#

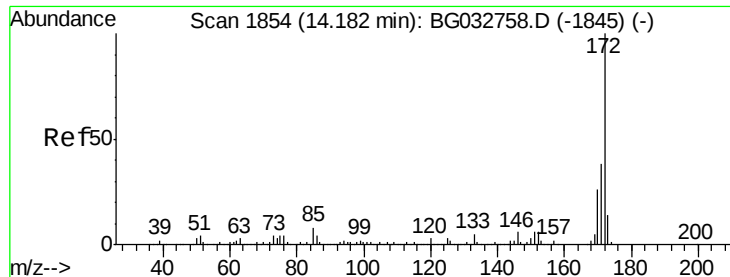


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

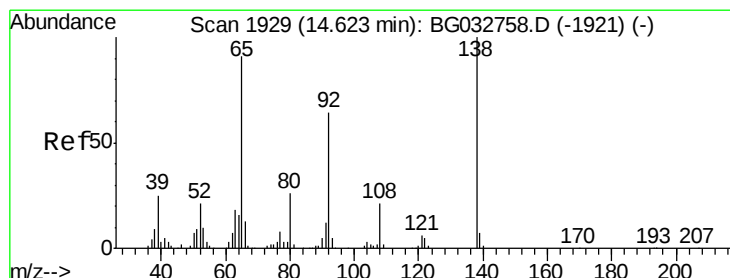
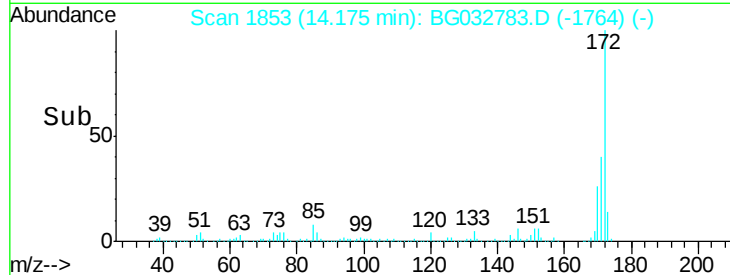
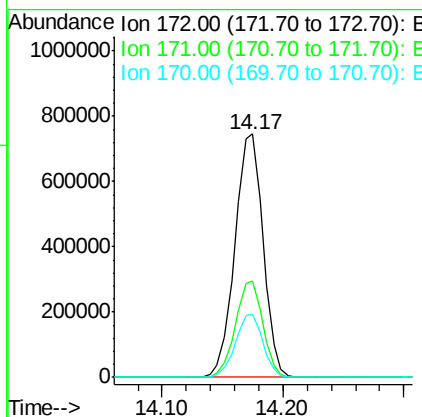
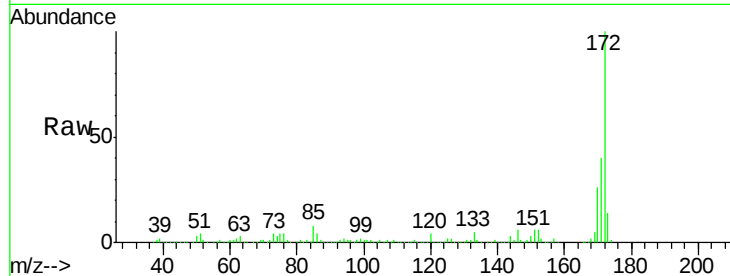




#44
 2-Fluorobiphenyl
 Concen: 93.113 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BG032783.D
 Acq: 22 Feb 2018 16:27

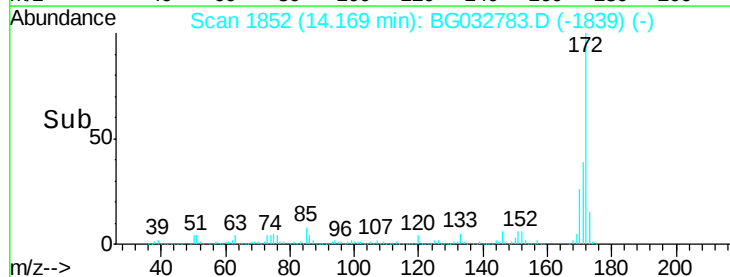
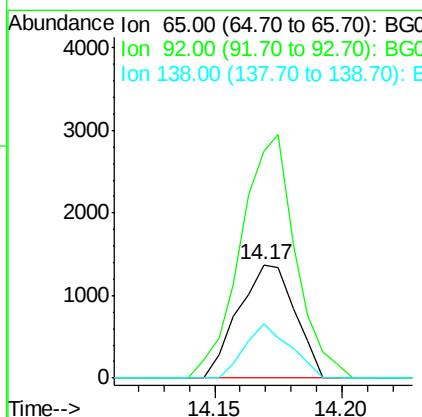
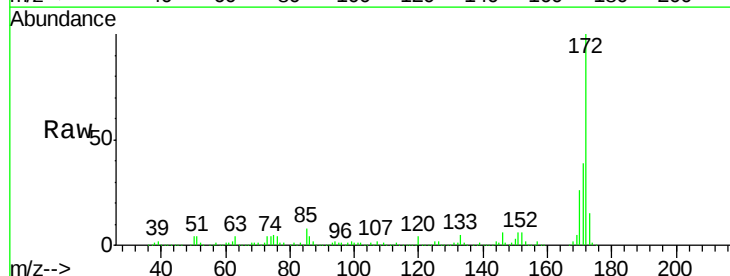
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-3FT

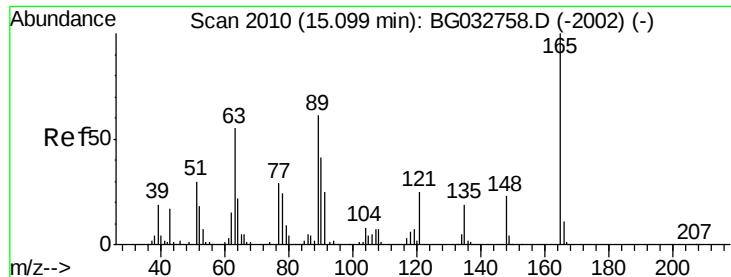
Tot Ion:172 Resp: 1211518
 Ion Ratio Lower Upper
 172 100
 171 39.7 30.0 45.0
 170 25.9 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.383 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032783.D
 Acq: 22 Feb 2018 16:27

Tgt Ion: 65 Resp: 2128
 Ion Ratio Lower Upper
 65 100
 92 201.2 54.6 82.0#
 138 47.9 72.9 109.3#

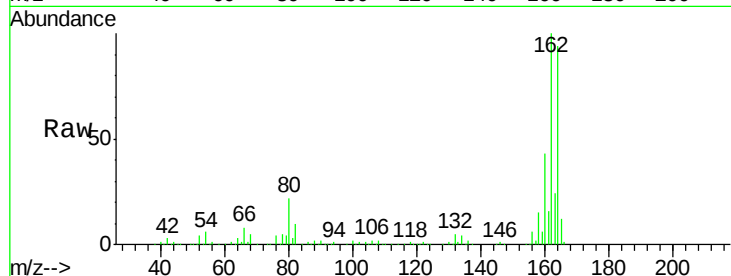




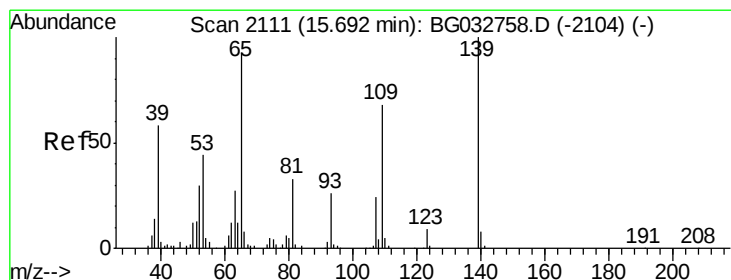
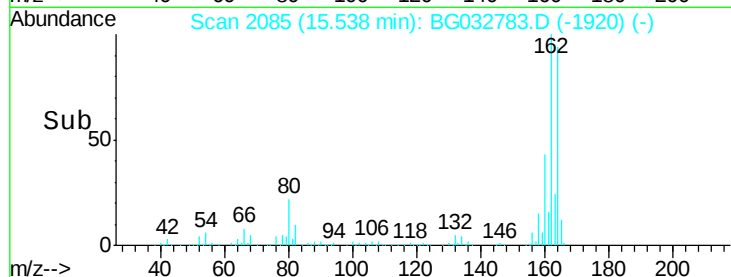
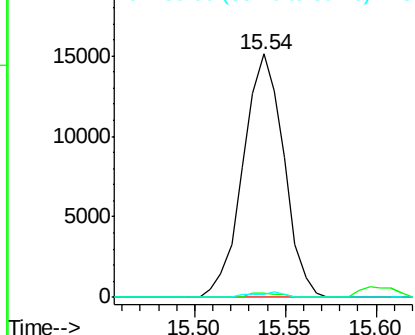
#50
2,6-Dinitrotoluene
Concen: 16.228 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Instrument :
BNA_G
ClientSampleId :
TP-1-3FT

Tot Ion:165 Resp: 23731
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 1.3 49.2 73.8#

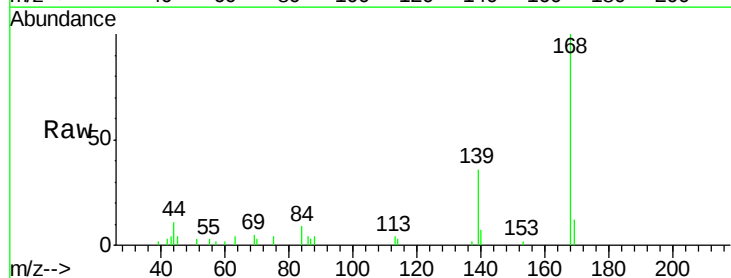


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

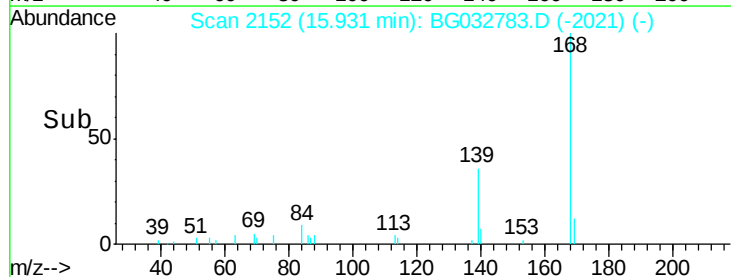
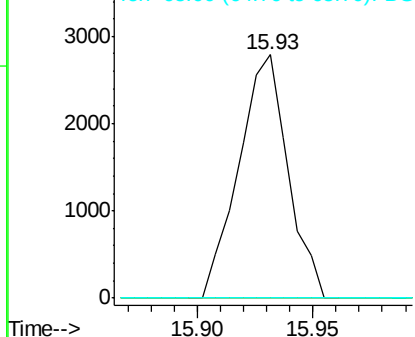


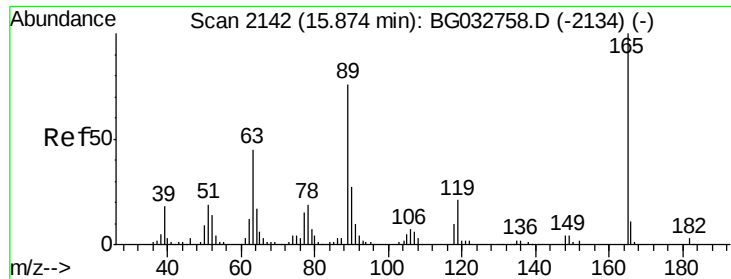
#55
4-Nitrophenol
Concen: 8.527 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.24 min
Lab File: BG032783.D
Acq: 22 Feb 2018 16:27

Tgt Ion:139 Resp: 4140
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): BGO

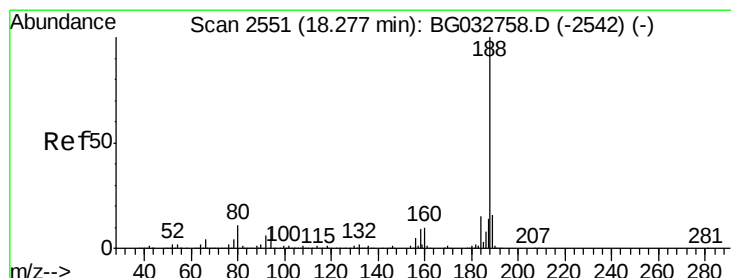
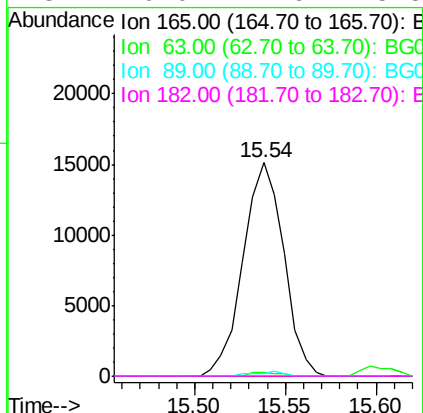
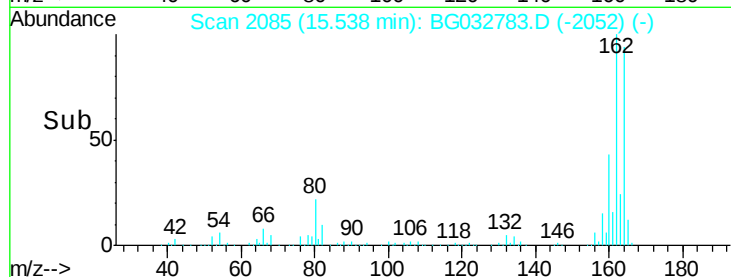
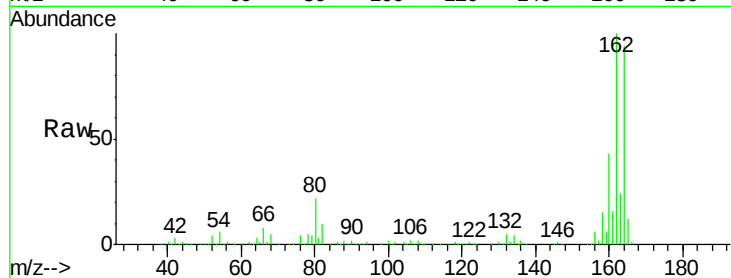




#56
 2,4-Dinitrotoluene
 Concen: 14.425 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.34 min
 Lab File: BG032783.D
 Acq: 22 Feb 2018 16:27

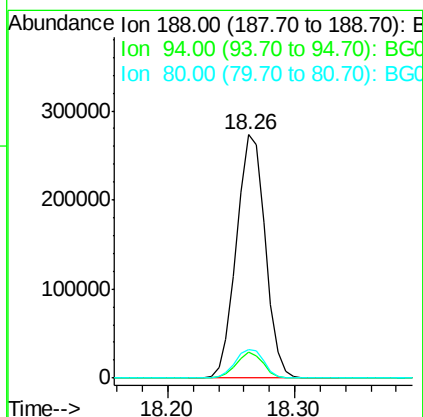
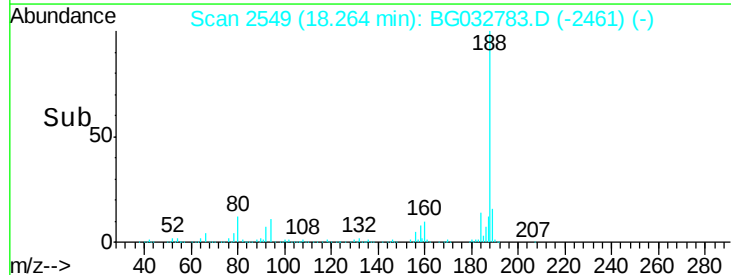
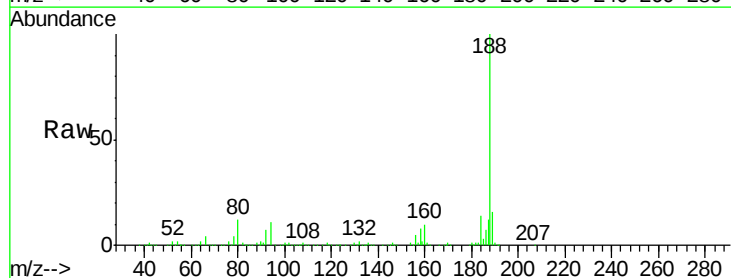
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-3FT

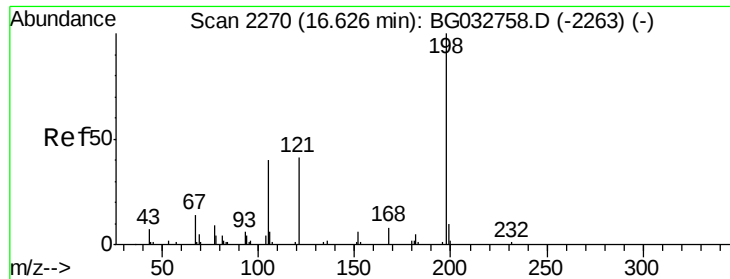
Tot Ion:165	Resp:	23731
Ion Ratio	Lower	Upper
165 100		
63 1.8	42.0	63.0#
89 1.3	66.9	100.3#
182 0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BG032783.D
 Acq: 22 Feb 2018 16:27

Tgt	Ion:188	Resp:	428460
Ion	Ratio	Lower	Upper
188	100		
94	10.5	6.9	10.3#
80	11.9	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.878 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.37 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

TP-1-3FT

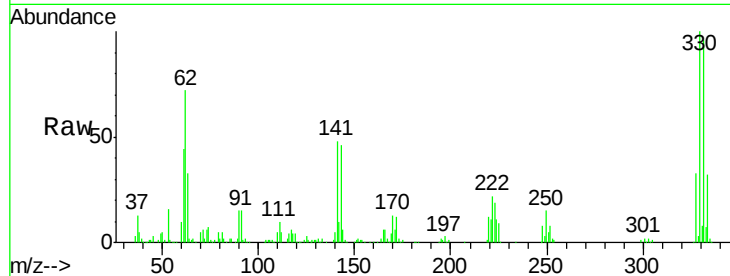
Tot Ion:198 Resp: 938

Ion Ratio Lower Upper

198 100

51 182.2 30.6 70.6#

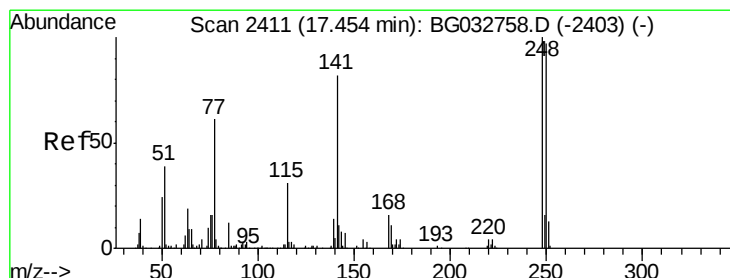
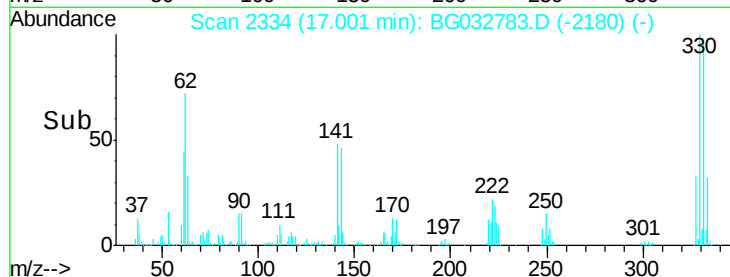
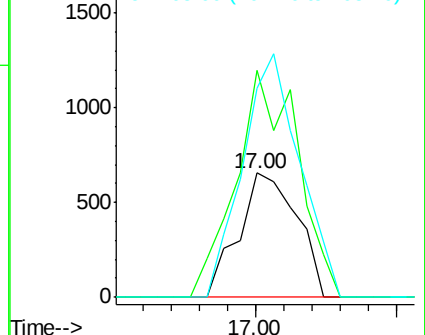
105 167.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.869 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.45 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

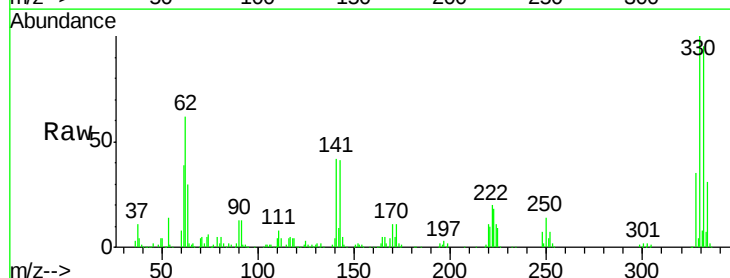
Tgt Ion:248 Resp: 22061

Ion Ratio Lower Upper

248 100

250 189.8 77.1 115.7#

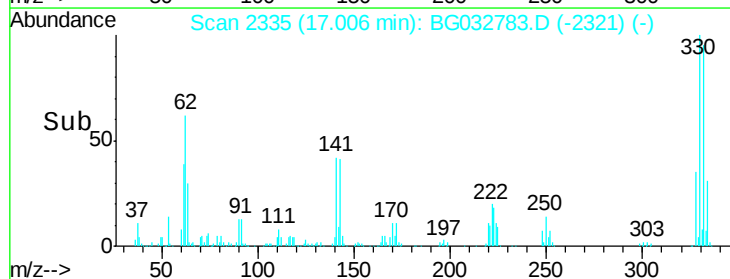
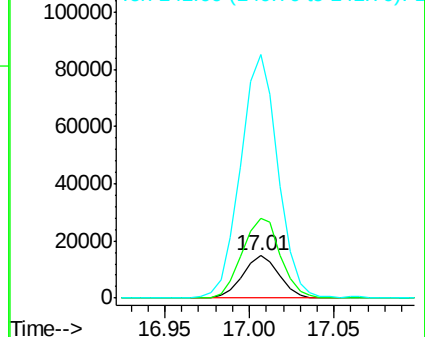
141 577.3 50.8 76.2#

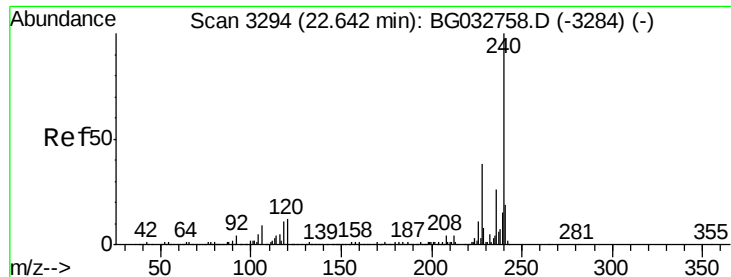


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032783.D

Acq: 22 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

TP-1-3FT

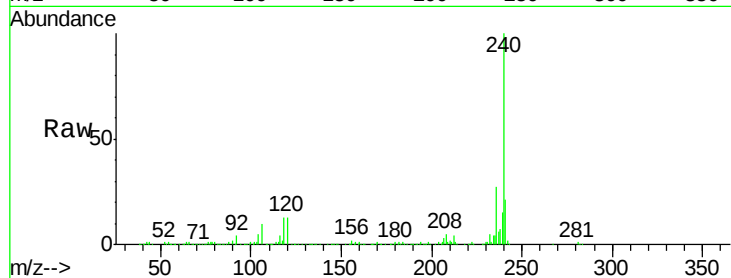
Tot Ion:240 Resp: 400814

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

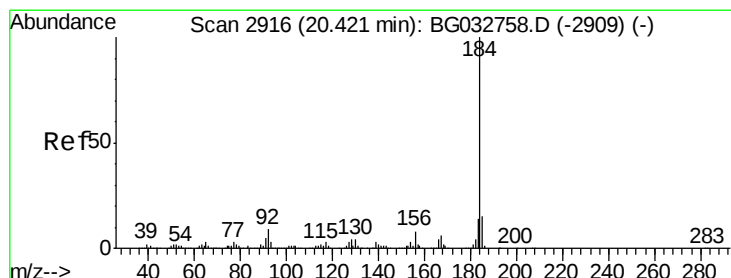
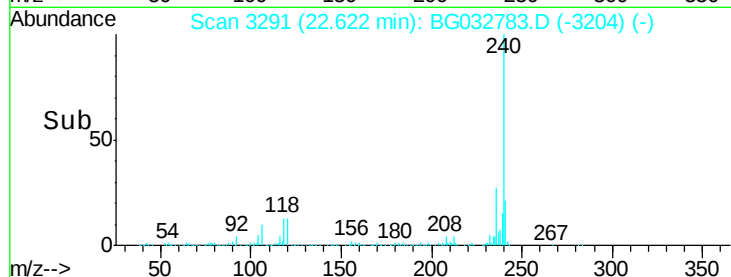
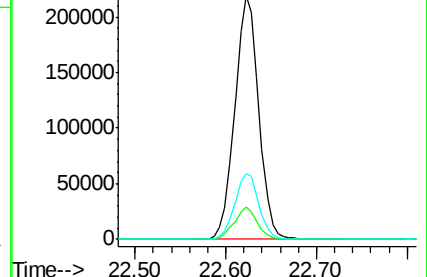
236 27.0 20.9 31.3



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: 2.172 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

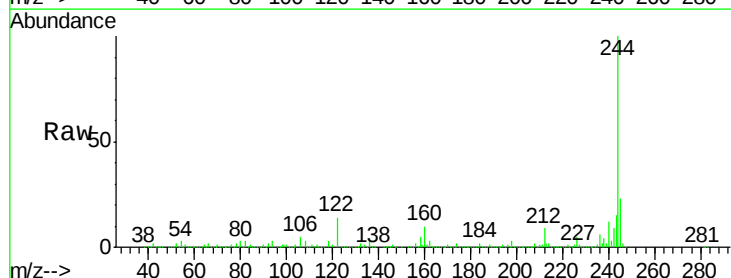
Tgt Ion:184 Resp: 29680

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

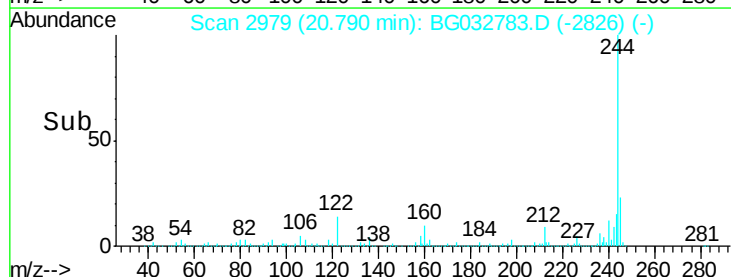
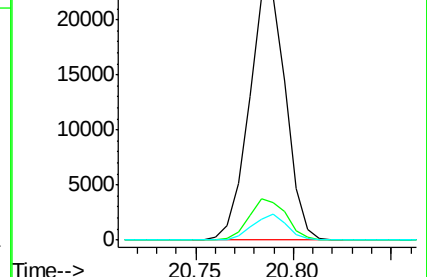
183 10.9 10.6 16.0

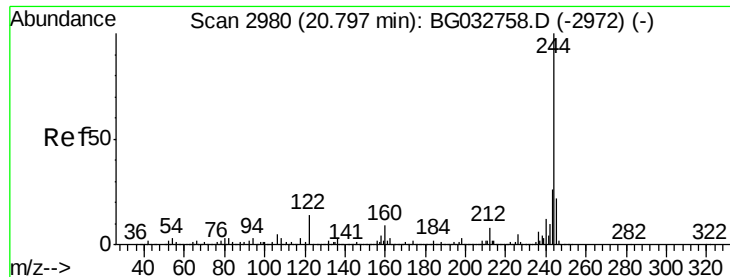


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.201 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

TP-1-3FT

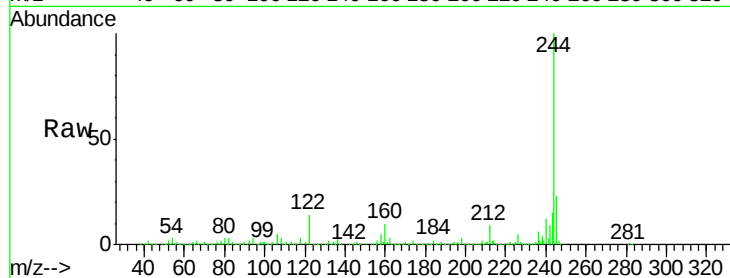
Tot Ion:244 Resp: 1734048

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

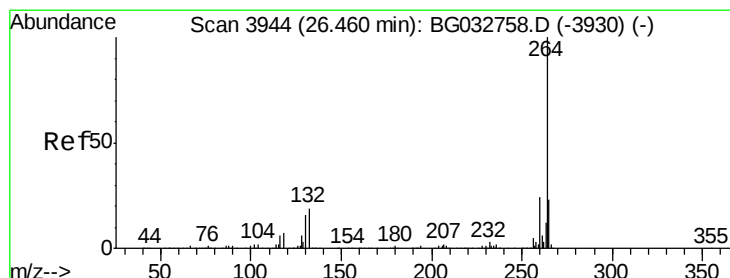
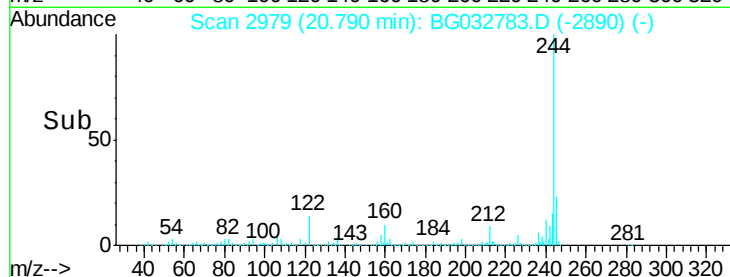
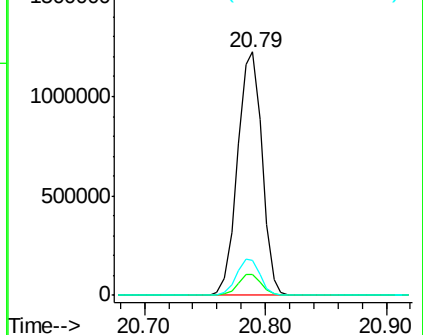
122 14.5 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3940

Delta R.T. -0.03 min

Lab File: BG032783.D

Acq: 22 Feb 2018 16:27

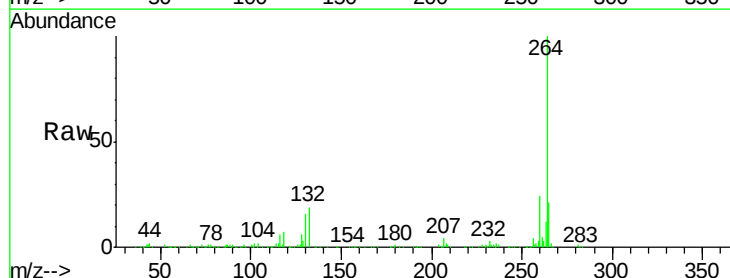
Tgt Ion:264 Resp: 423233

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 20.7 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

