

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032548.D
 Acq On : 6 Feb 2018 00:03
 Operator : SJ/JU
 Sample : J1399-04
 Misc : MDL8PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:24:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	24865	20.00	ng	-0.02
21) Naphthalene-d8	11.58	136	94615	20.00	ng	-0.02
38) Acenaphthene-d10	15.34	164	65390	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	175608	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	255216	20.00	ng	-0.01
86) Perylene-d12	26.07	264	267624	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	146424	118.28	ng	0.00
7) Phenol-d6	7.83	99	170673	103.32	ng	0.00
23) Nitrobenzene-d5	9.91	82	135478	89.44	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	189753	152.45	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	500938	91.05	ng	-0.02
78) Terphenyl-d14	20.61	244	1184944	99.45	ng	-0.01

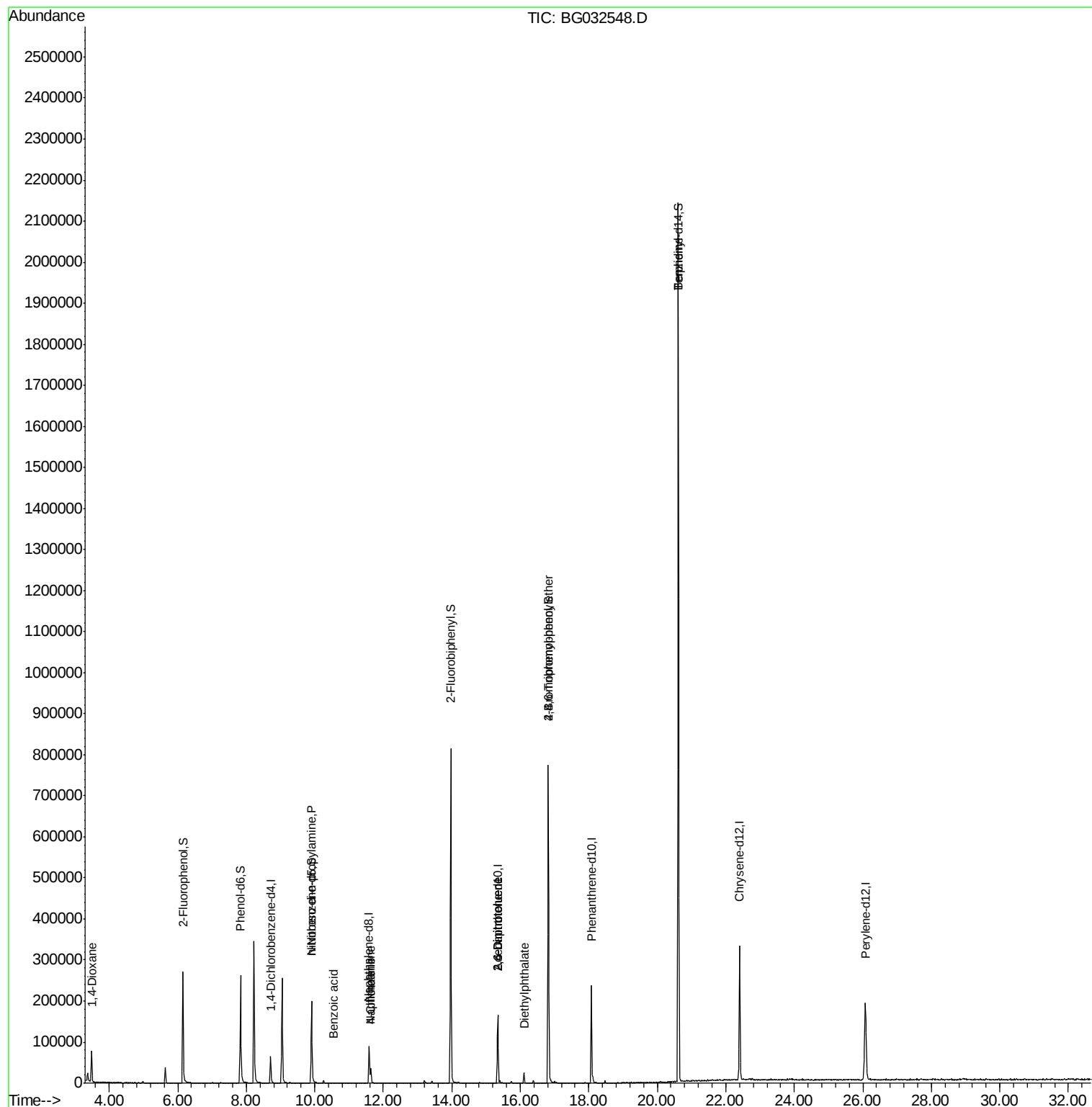
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	967	2.322	ng	# 1
19) n-Nitroso-di-n-propylamine	9.91	70	19743	18.025	ng	# 77
31) Naphthalene	11.64	128	36565	7.913	ng	# 97
32) Benzoic acid	10.56	122	57	7.334	ng	# 1
33) 4-Chloroaniline	11.64	127	4942	2.398	ng	# 36
50) 2,6-Dinitrotoluene	15.34	165	8826	6.974	ng	# 20
56) 2,4-Dinitrotoluene	15.34	165	8826	4.898	ng	# 18
59) Diethylphthalate	16.11	149	16607	2.828	ng	# 94
66) 4-Bromophenyl-phenylether	16.82	248	14812	5.693	ng	# 1
76) Benzidine	20.61	184	17366	3.465	ng	# 88

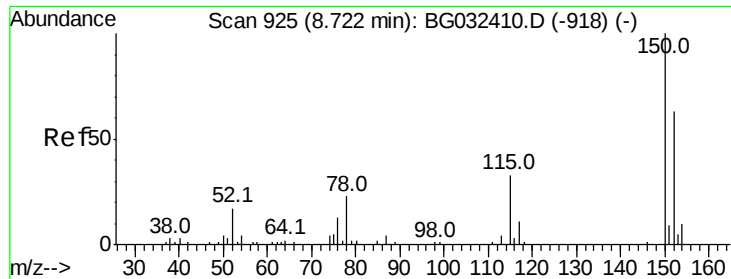
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
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Misc : MDL8PPM
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.70 min Scan# 922

Delta R.T. -0.02 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

Instrument :

BNA_G

ClientSampleId :

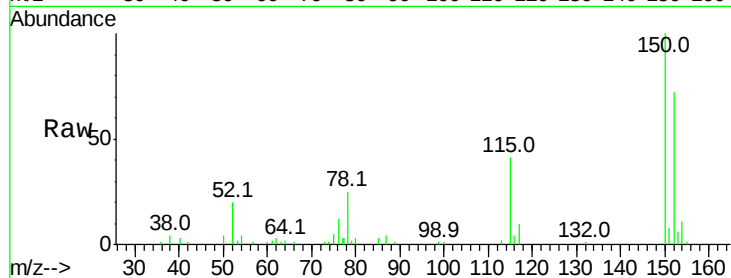
Tot Ion:152 Resp: 24865

Ion Ratio Lower Upper

152 100

150 138.8 126.6 189.8

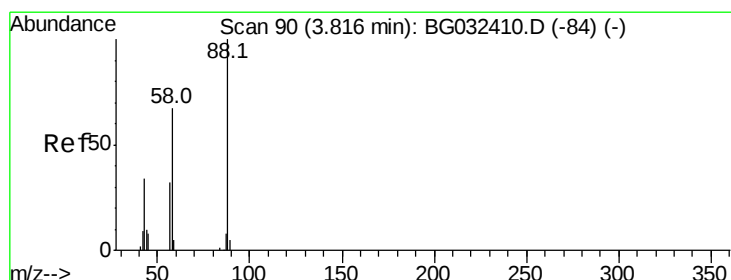
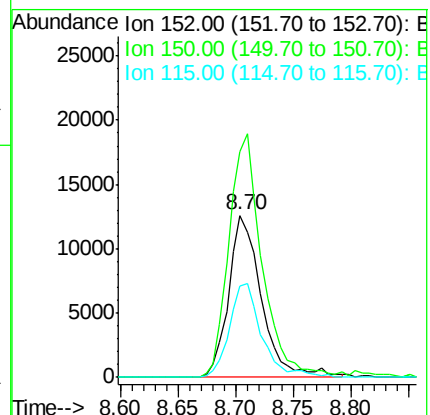
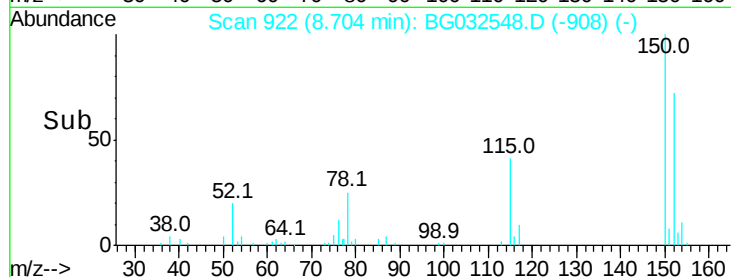
115 56.4 53.0 79.4



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



#2

1,4-Dioxane

Concen: 2.322 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.33 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

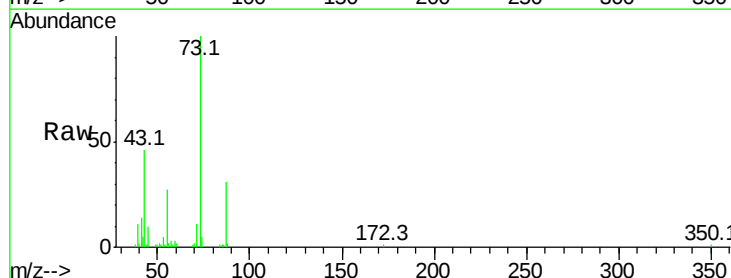
Tgt Ion: 88 Resp: 967

Ion Ratio Lower Upper

88 100

58 31.4 79.6 119.4#

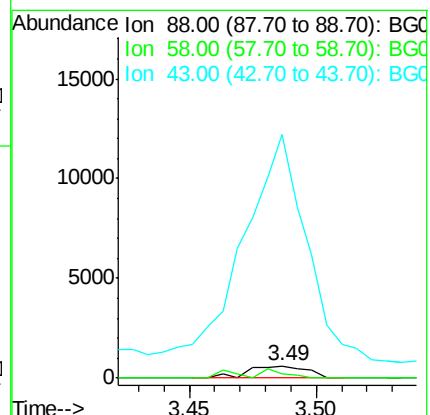
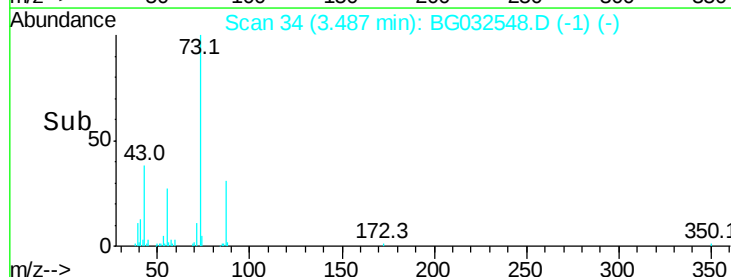
43 2096.1 27.4 41.0#

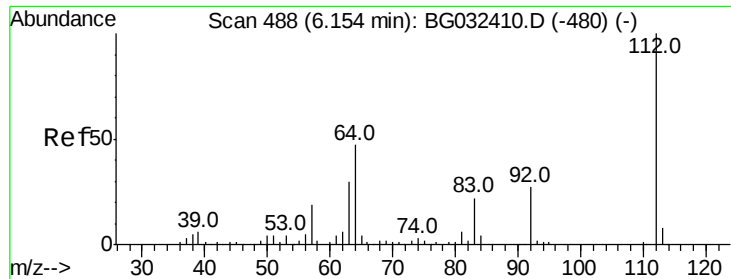


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 118.279 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

Instrument :

BNA_G

ClientSampled :

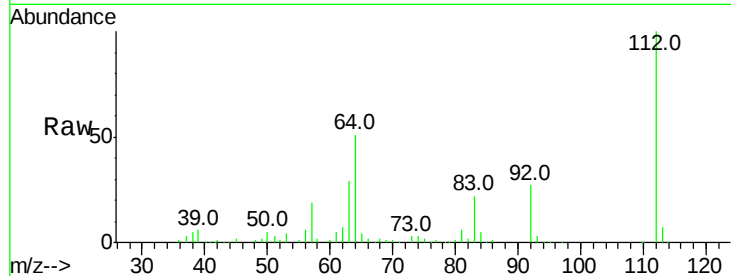
Tot Ion:112 Resp: 146424

Ion Ratio Lower Upper

112 100

64 51.2 56.3 84.5#

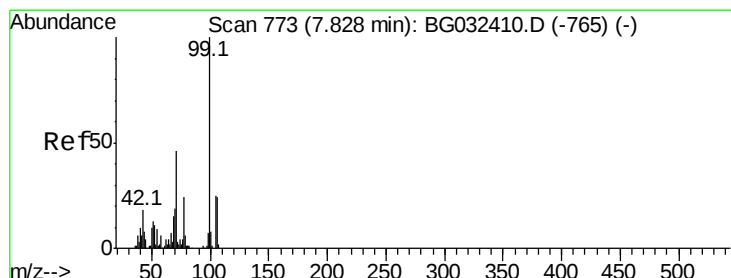
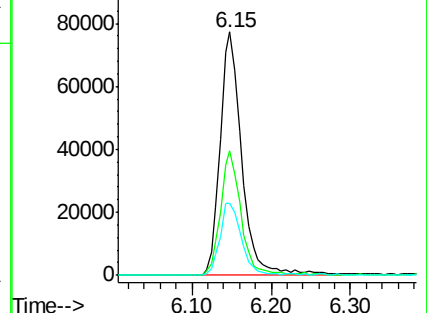
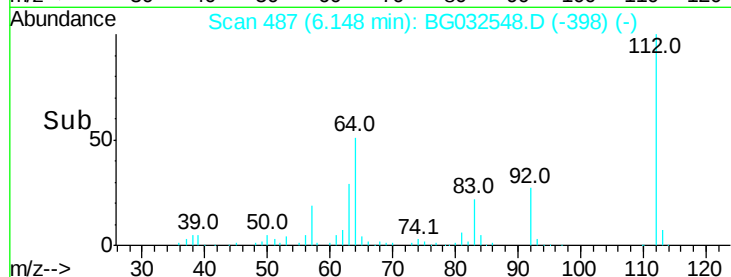
63 29.4 30.1 45.1#



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: 103.316 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

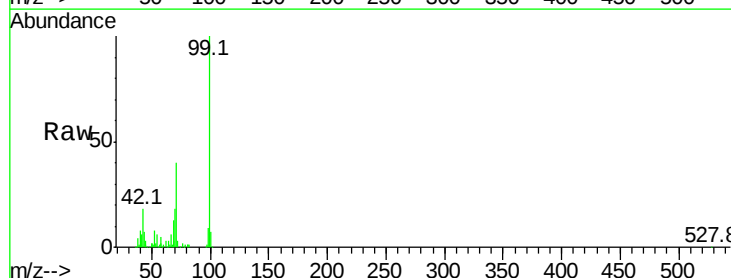
Tgt Ion: 99 Resp: 170673

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

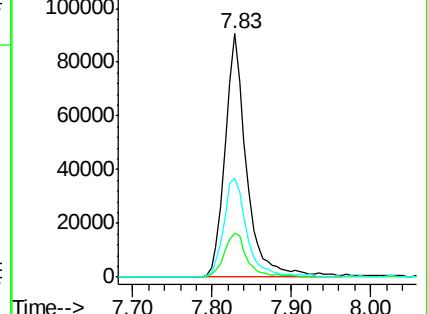
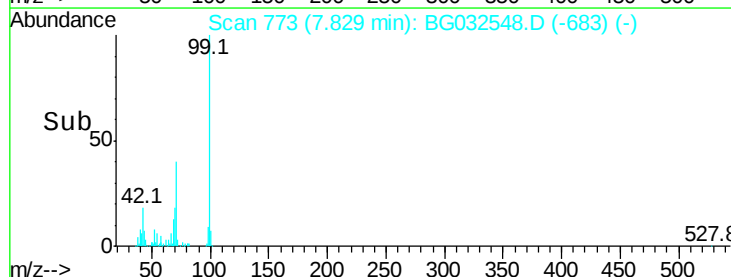
71 40.4 26.1 39.1#

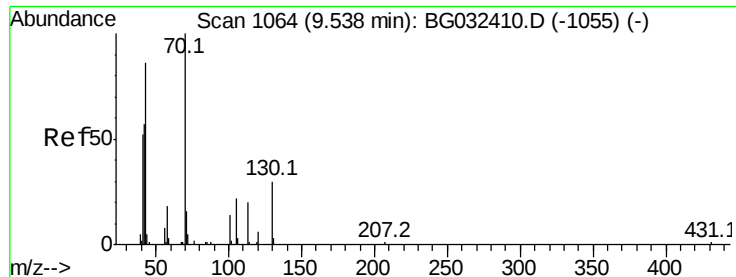


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

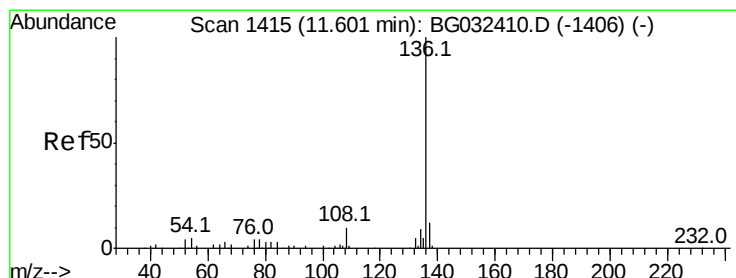
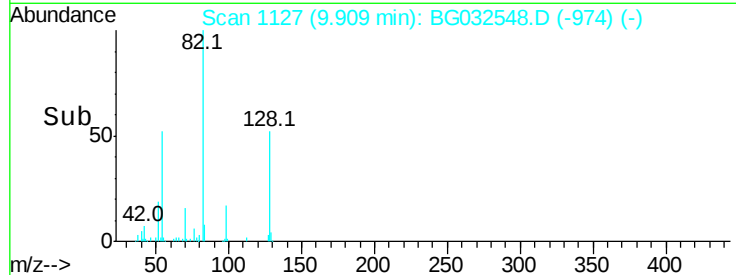
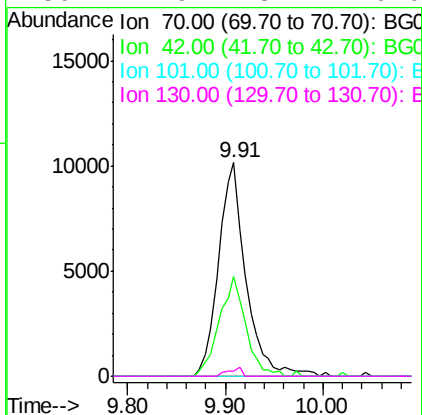
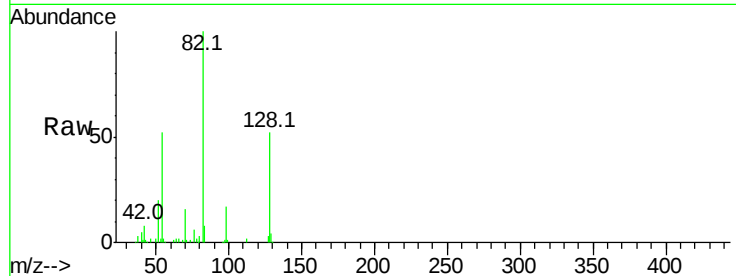




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.025 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. 0.37 min
 Lab File: BG032548.D
 Acq: 6 Feb 2018 00:03

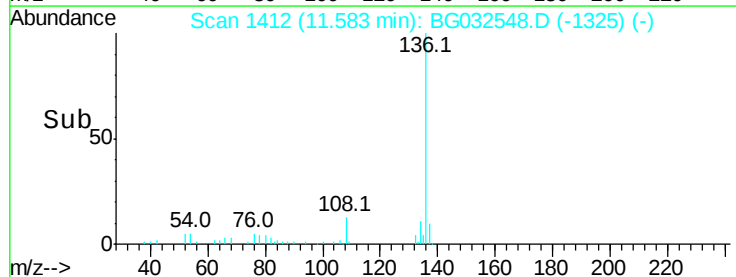
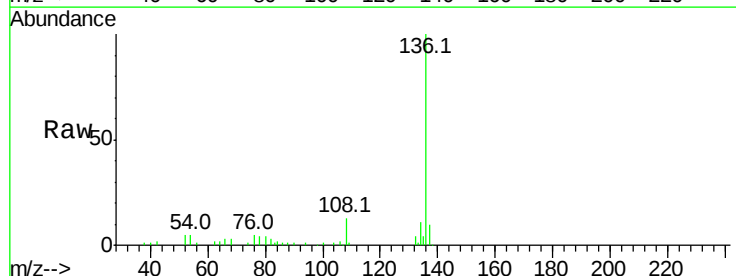
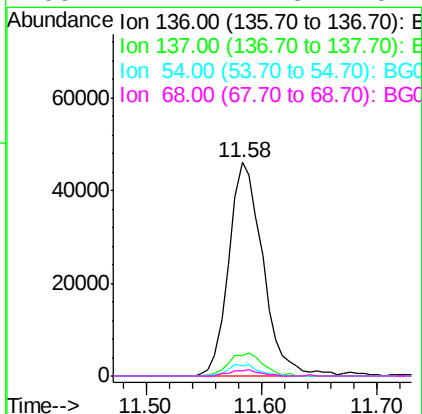
Instrument :
 BNA_G
 ClientSampleId :

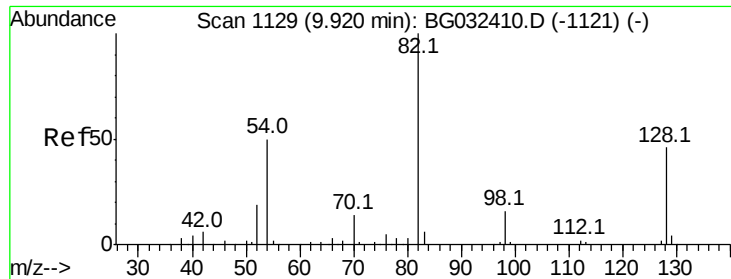
Tot Ion: 70 Resp: 19743
 Ion Ratio Lower Upper
 70 100
 42 47.0 49.1 73.7#
 101 0.0 8.5 12.7#
 130 2.6 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.58 min Scan# 1412
 Delta R.T. -0.02 min
 Lab File: BG032548.D
 Acq: 6 Feb 2018 00:03

Tgt Ion: 136 Resp: 94615
 Ion Ratio Lower Upper
 136 100
 137 9.9 9.2 13.8
 54 4.6 10.3 15.5#
 68 2.7 4.5 6.7#

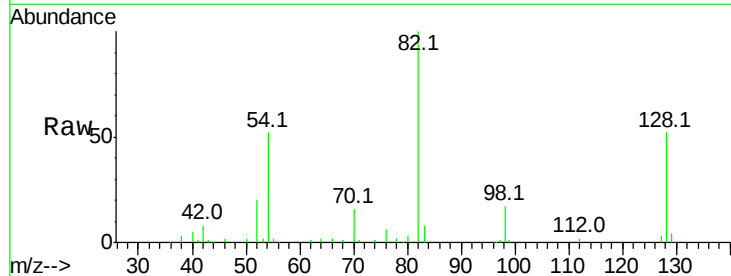




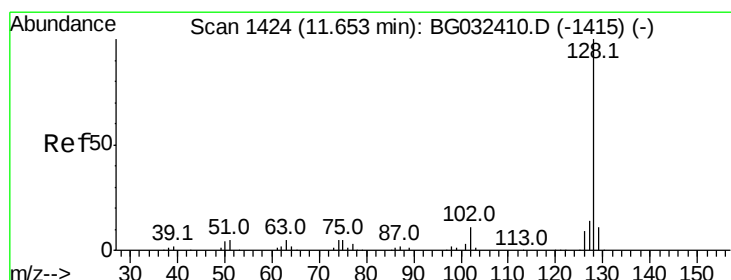
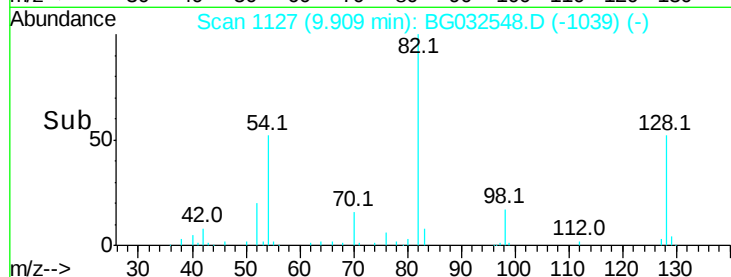
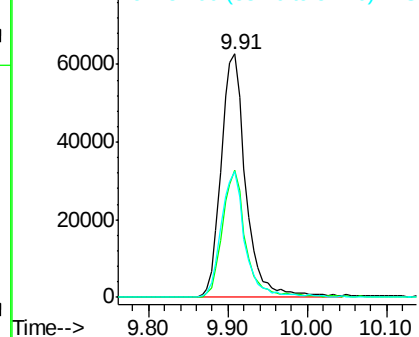
#23
 Nitrobenzene-d5
 Concen: 89.436 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032548.D
 Acq: 6 Feb 2018 00:03

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion: 82 Resp: 135478
 Ion Ratio Lower Upper
 82 100
 128 52.3 29.7 44.5#
 54 51.9 43.1 64.7

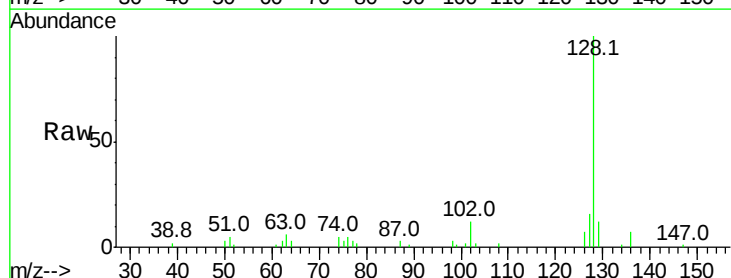


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

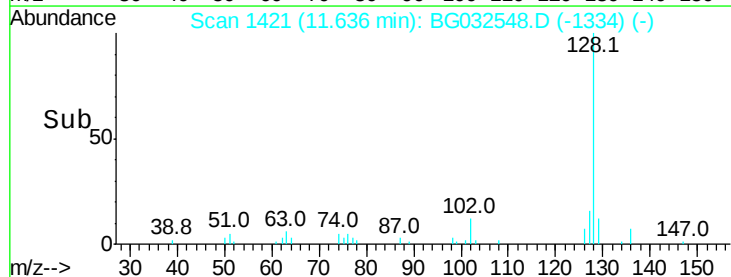
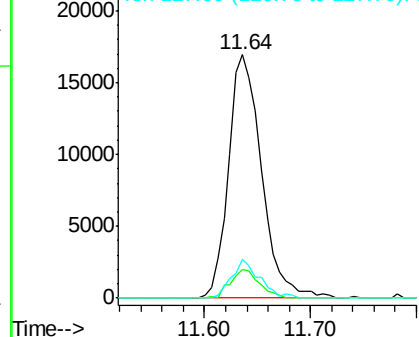


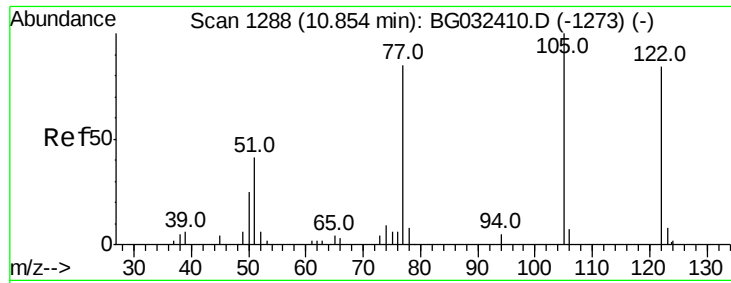
#31
 Naphthalene
 Concen: 7.913 ng
 RT: 11.64 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BG032548.D
 Acq: 6 Feb 2018 00:03

Tgt Ion: 128 Resp: 36565
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.6 12.8
 127 15.9 11.6 17.4



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

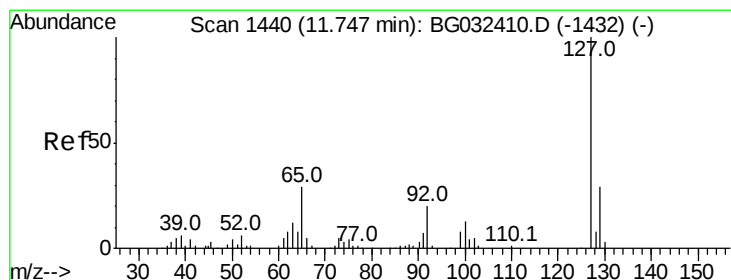
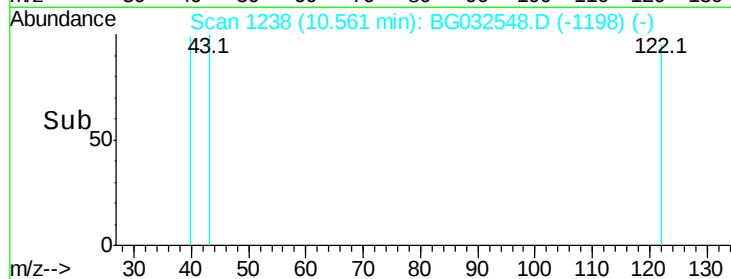
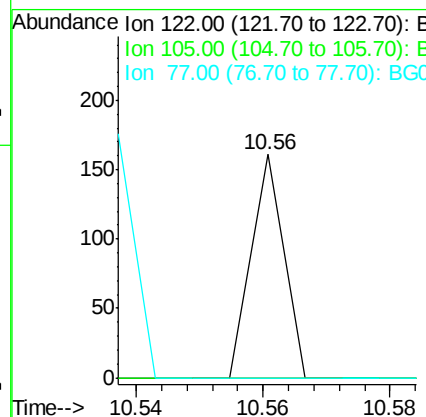
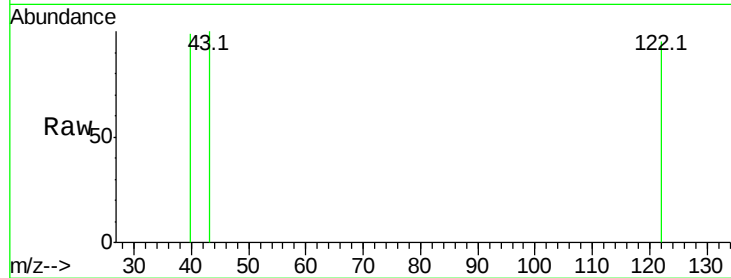




#32
Benzoic acid
Concen: 7.334 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.29 min
Lab File: BG032548.D
Acq: 6 Feb 2018 00:03

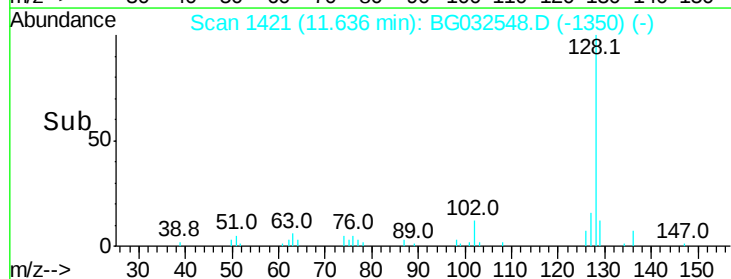
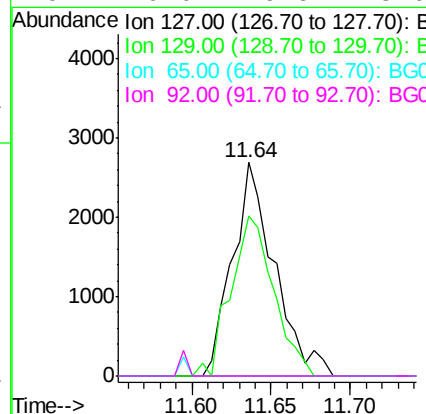
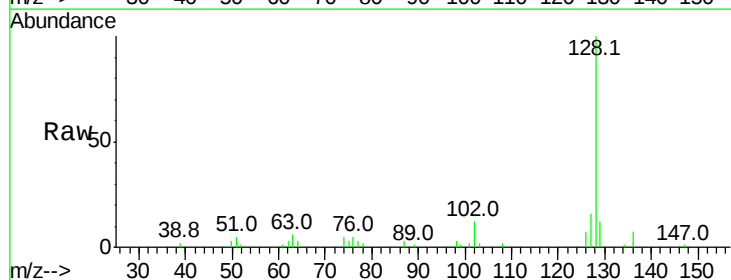
Instrument :
BNA_G
ClientSampleId :

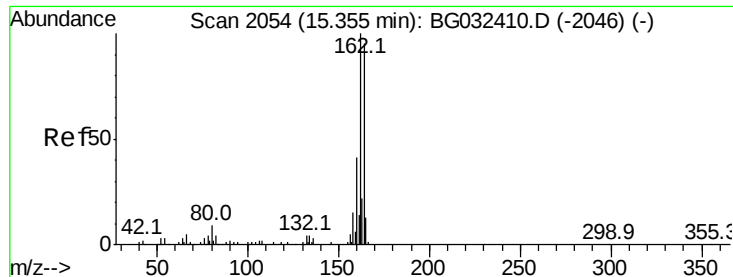
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#33
4-Chloroaniline
Concen: 2.398 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.11 min
Lab File: BG032548.D
Acq: 6 Feb 2018 00:03

Tgt Ion	Ratio	Lower	Upper
127	100		
129	74.7	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

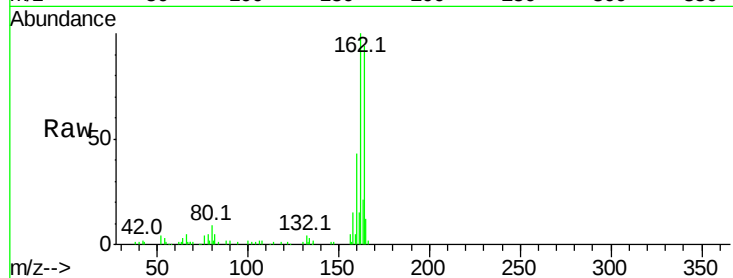
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 65390

Ion	Ratio	Lower	Upper
164	100		
162	105.9	78.8	118.2
160	45.7	35.4	53.0

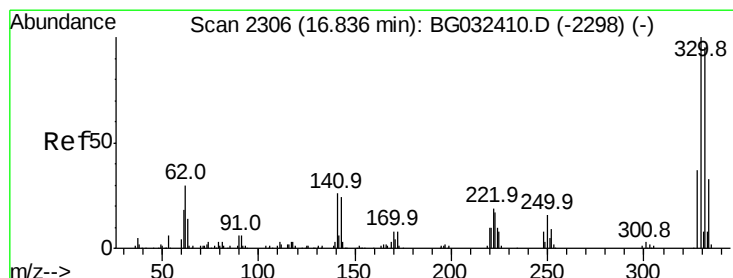
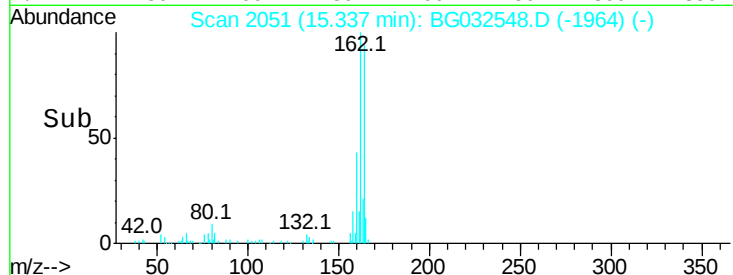
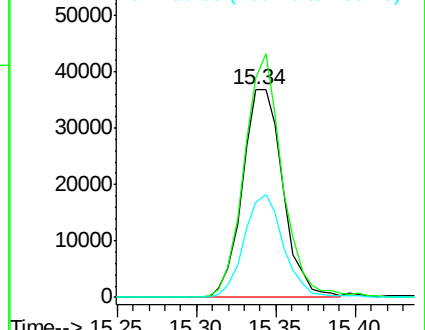


Abundance

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: 152.449 ng

RT: 16.82 min Scan# 2303

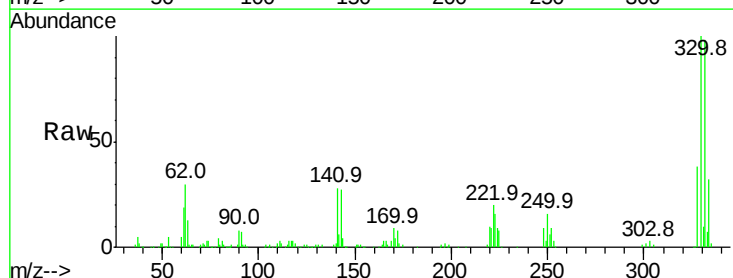
Delta R.T. -0.02 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

Tgt Ion:330 Resp: 189753

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	26.2	25.2	37.8

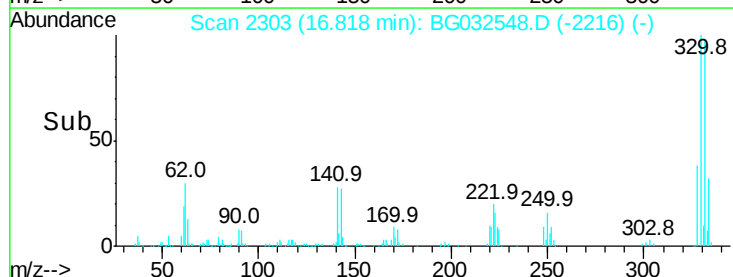
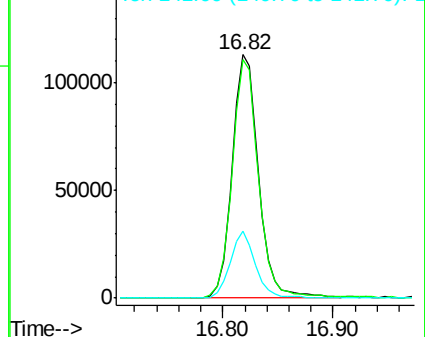


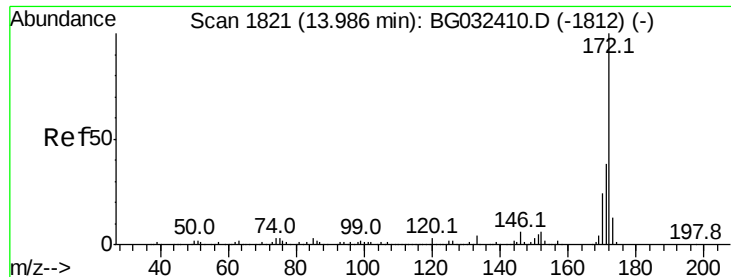
Abundance

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

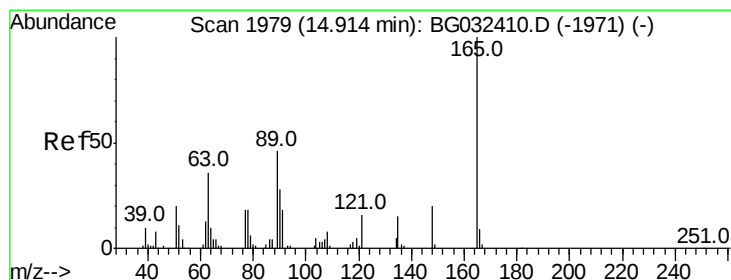
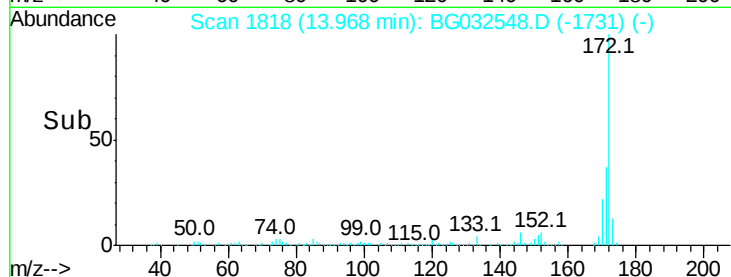
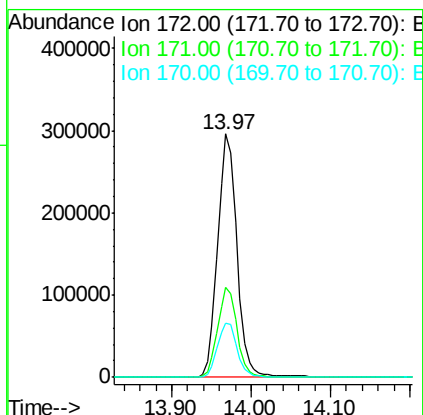
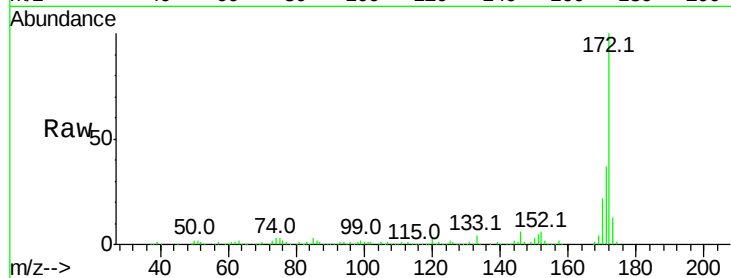




#44
2-Fluorobiphenyl
Concen: 91.053 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BG032548.D
Acq: 6 Feb 2018 00:03

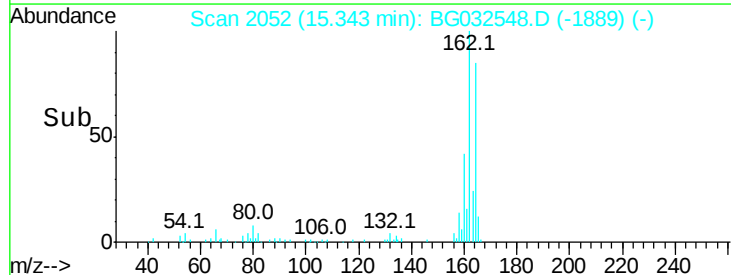
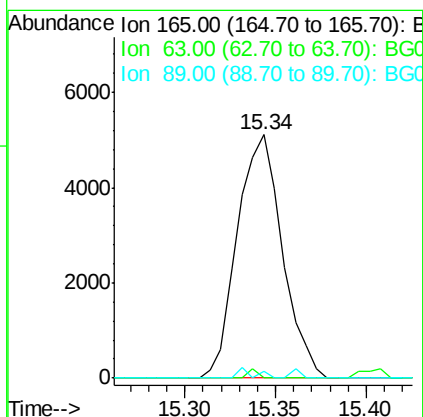
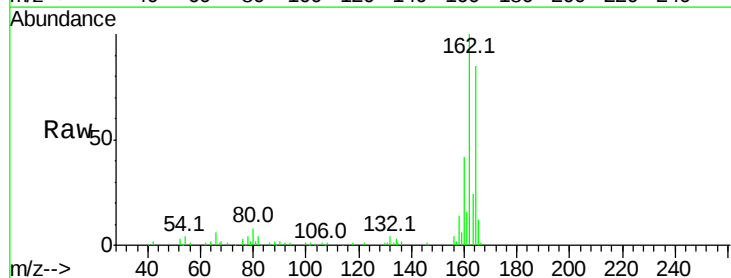
Instrument :
BNA_G
ClientSampleId :

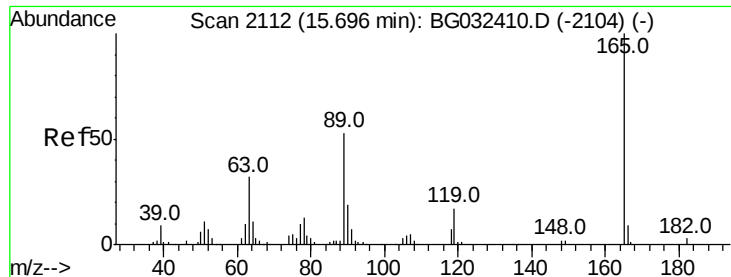
Tot Ion:172 Resp: 500938
Ion Ratio Lower Upper
172 100
171 37.2 30.0 45.0
170 22.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.974 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032548.D
Acq: 6 Feb 2018 00:03

Tgt Ion:165 Resp: 8826
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.0 49.2 73.8#

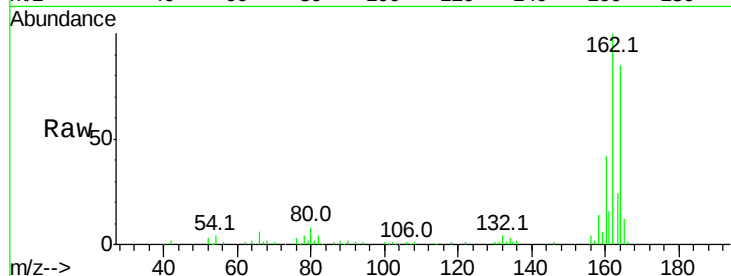




#56
2,4-Dinitrotoluene
Concen: 4.898 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032548.D
Acq: 6 Feb 2018 00:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.0	66.9	100.3#
182	0.0	2.6	3.8#

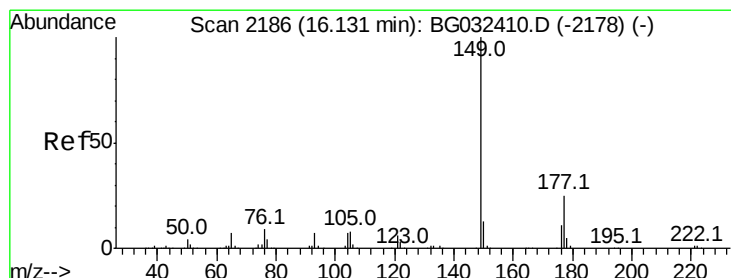
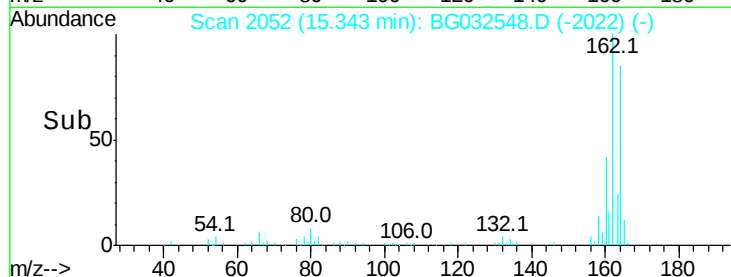
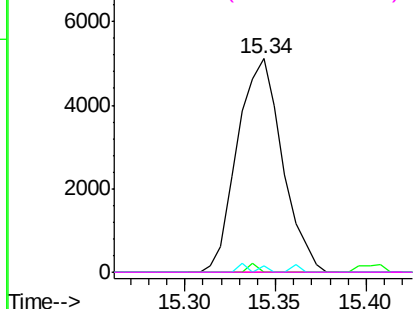


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

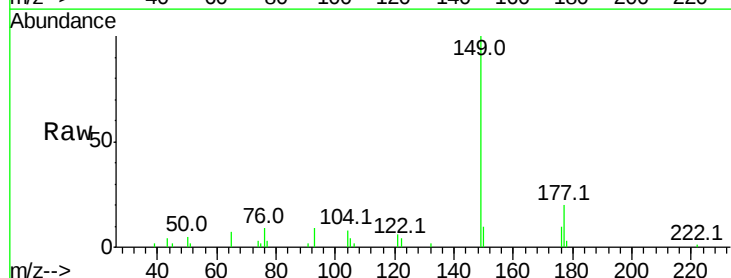
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 2.828 ng
RT: 16.11 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BG032548.D
Acq: 6 Feb 2018 00:03

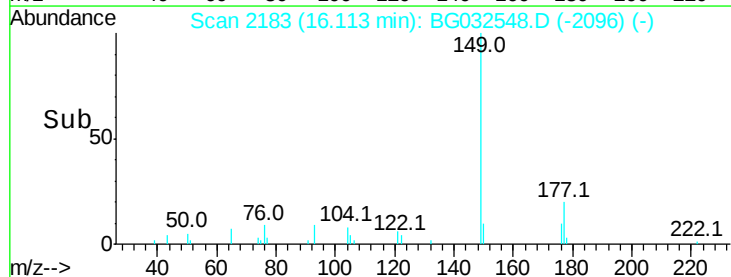
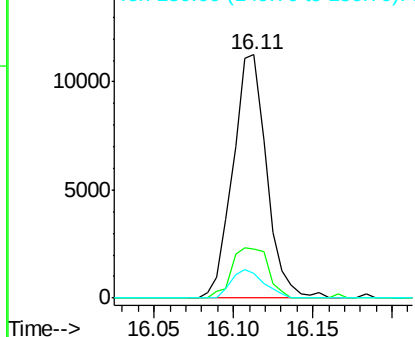
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.4	18.5	27.7
150	10.1	10.2	15.2#

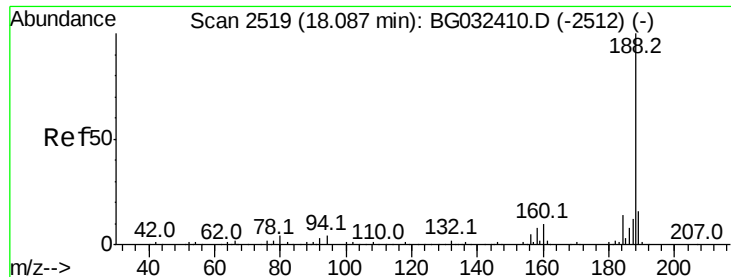


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

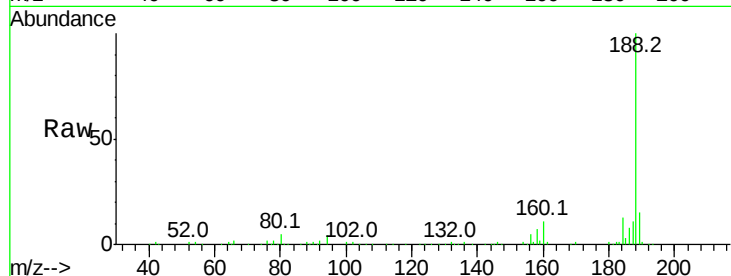




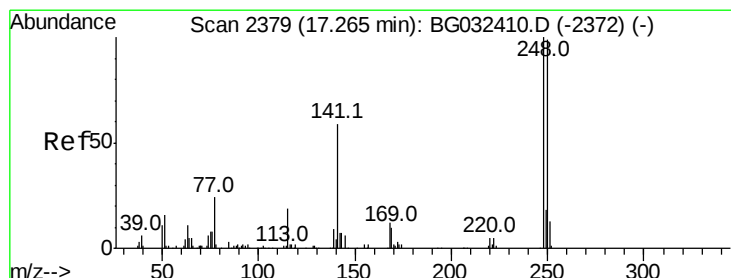
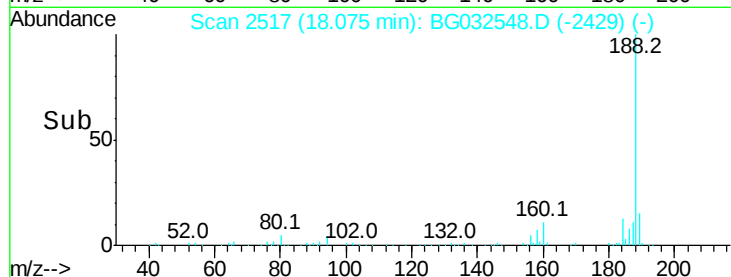
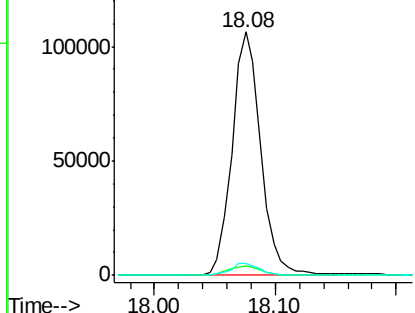
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032548.D
 Acq: 6 Feb 2018 00:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 175608
 Ion Ratio Lower Upper
 188 100
 94 3.9 6.9 10.3#
 80 4.6 7.7 11.5#

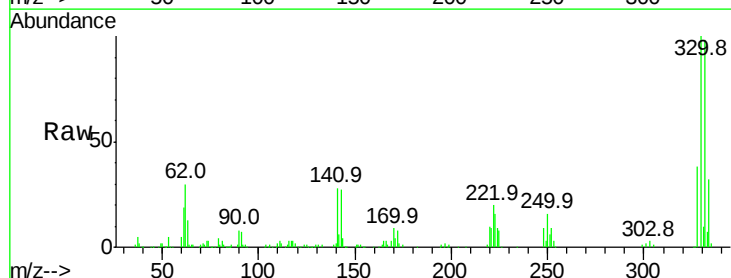


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

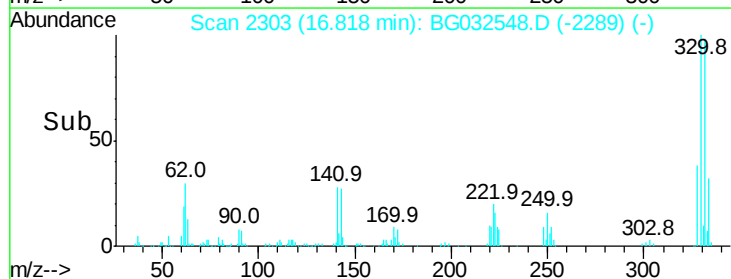
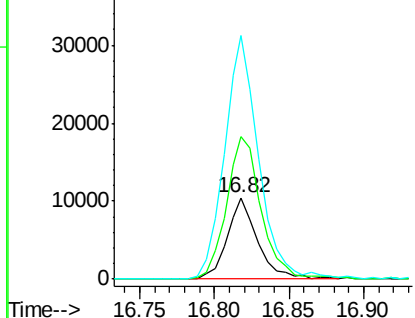


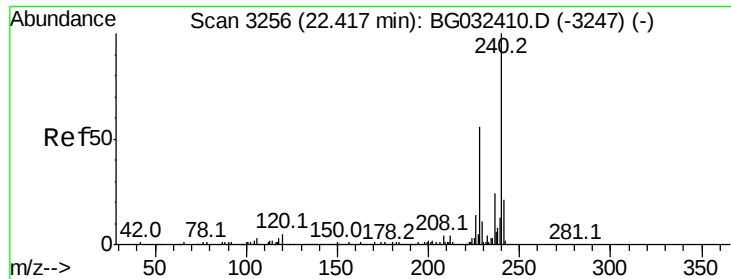
#66
 4-Bromophenyl-phenylether
 Concen: 5.693 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.45 min
 Lab File: BG032548.D
 Acq: 6 Feb 2018 00:03

Tgt Ion:248 Resp: 14812
 Ion Ratio Lower Upper
 248 100
 250 174.7 77.1 115.7#
 141 299.1 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: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

Instrument :

BNA_G

ClientSampleId :

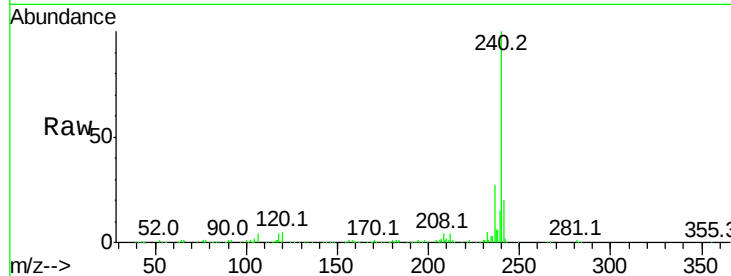
Tot Ion:240 Resp: 255216

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

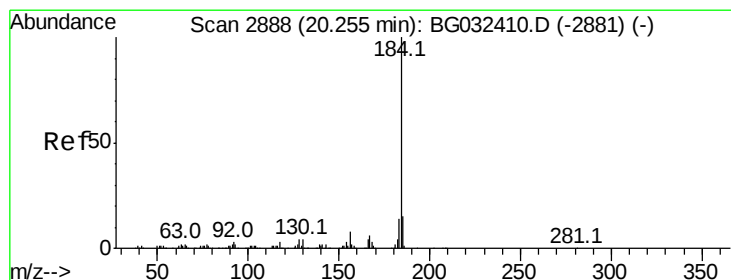
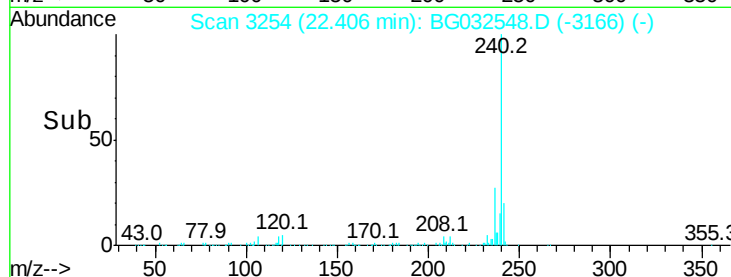
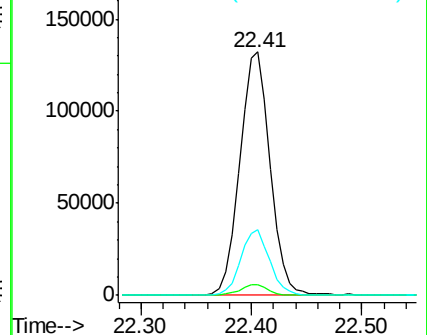
236 26.8 20.9 31.3



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: 3.465 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

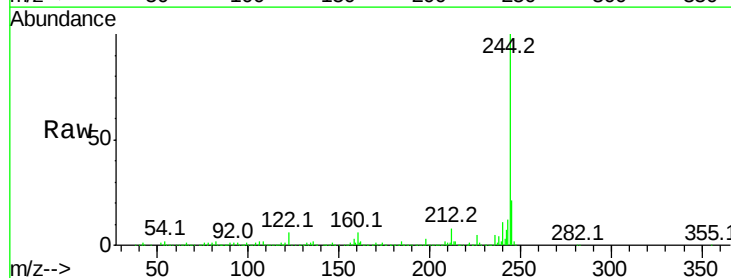
Tgt Ion:184 Resp: 17366

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

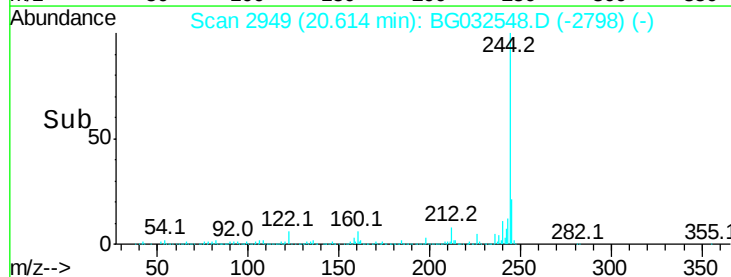
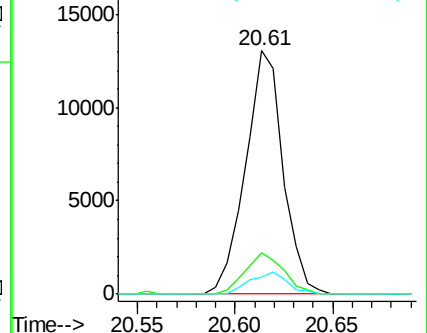
183 7.0 10.6 16.0#

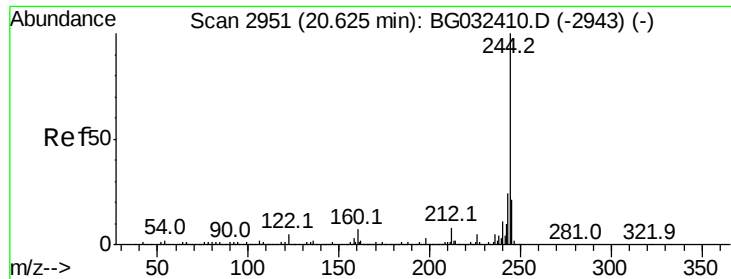


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.455 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

Instrument :

BNA_G

ClientSampleId :

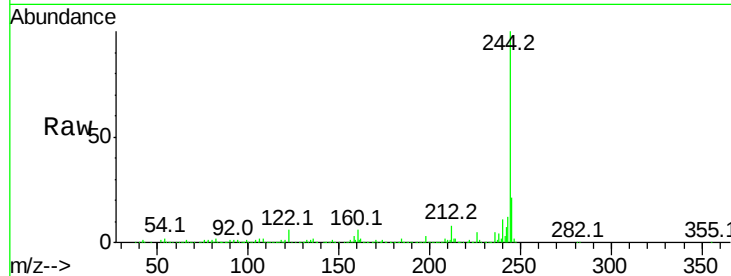
Tot Ion:244 Resp: 1184944

Ion Ratio Lower Upper

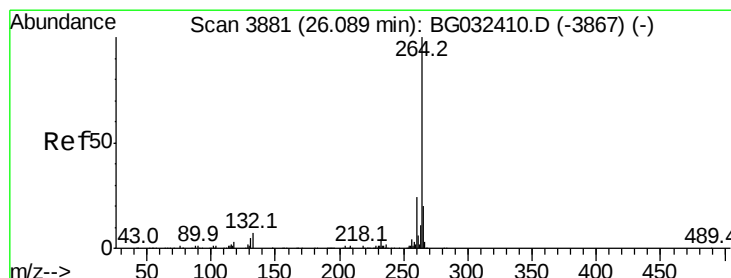
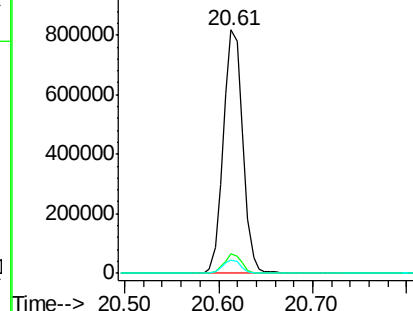
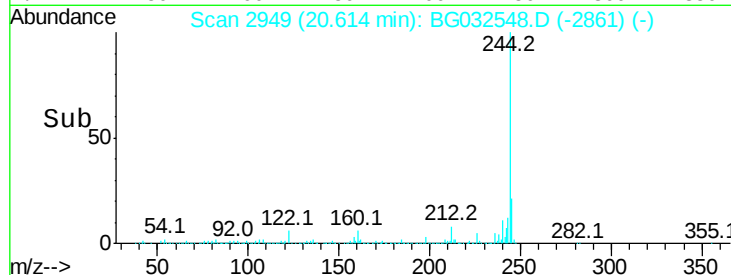
244 100

212 8.1 5.8 8.8

122 5.7 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: 26.07 min Scan# 3878

Delta R.T. -0.02 min

Lab File: BG032548.D

Acq: 6 Feb 2018 00:03

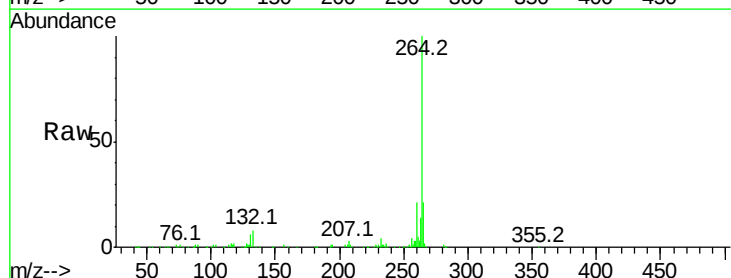
Tgt Ion:264 Resp: 267624

Ion Ratio Lower Upper

264 100

260 21.5 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

