

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032135.D
 Acq On : 18 Jan 2018 12:45
 Operator : SJ/JU
 Sample : J1158-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-1

Quant Time: Jan 18 14:08:40 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	46594	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	184740	20.00	ng	-0.04
38) Acenaphthene-d10	15.38	164	130530	20.00	ng	-0.02
63) Phenanthrene-d10	18.11	188	348910	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	452669	20.00	ng	-0.04
86) Perylene-d12	26.15	264	481884	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.17	112	356527	139.95	ng	-0.02
7) Phenol-d6	7.85	99	415479	129.49	ng	-0.02
23) Nitrobenzene-d5	9.94	82	283252	103.73	ng	-0.03
41) 2,4,6-Tribromophenol	16.85	330	307865	142.53	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	958359	91.04	ng	-0.02
78) Terphenyl-d14	20.65	244	1734788	84.62	ng	-0.02

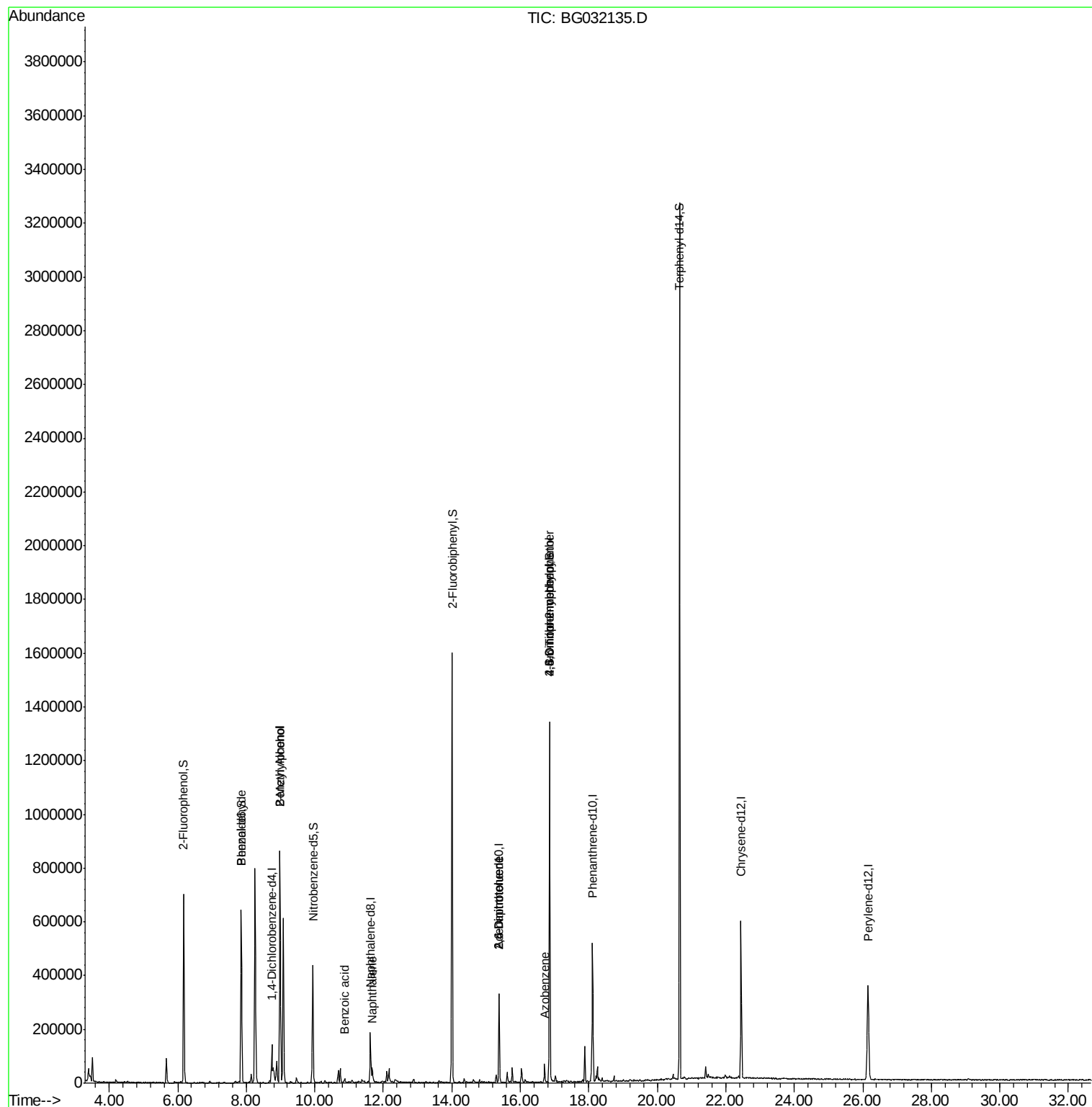
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.85	77	3881	2.088	ng	87
15) Benzyl Alcohol	8.99	79	341039	146.314	ng	96
17) 2-Methylphenol	8.99	107	182810	75.683	ng	# 6
31) Naphthalene	11.68	128	50565	5.525	ng	# 95
32) Benzoic acid	10.86	122	520	5.481	ng	# 69
50) 2,6-Dinitrotoluene	15.38	165	16695	7.042	ng	# 20
56) 2,4-Dinitrotoluene	15.38	165	16695	5.230	ng	# 17
62) Azobenzene	16.71	77	18339	2.646	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.86	198	893	5.244	ng	# 72
66) 4-Bromophenyl-phenylether	16.85	248	26166	5.271	ng	# 1

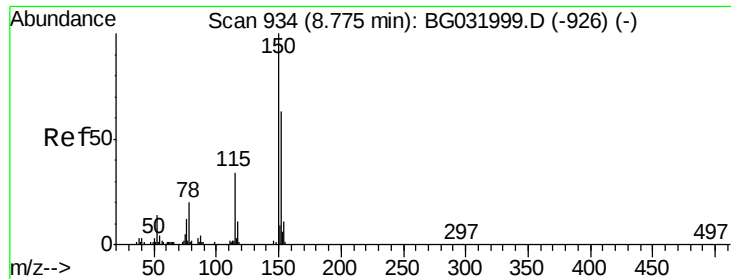
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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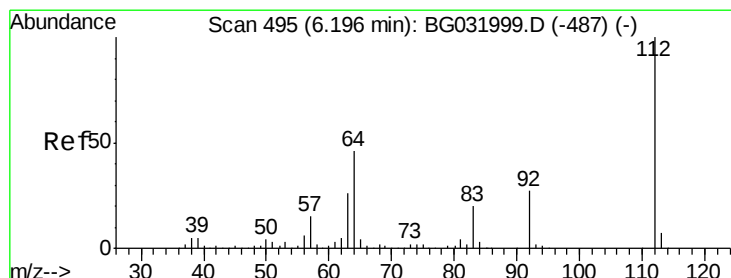
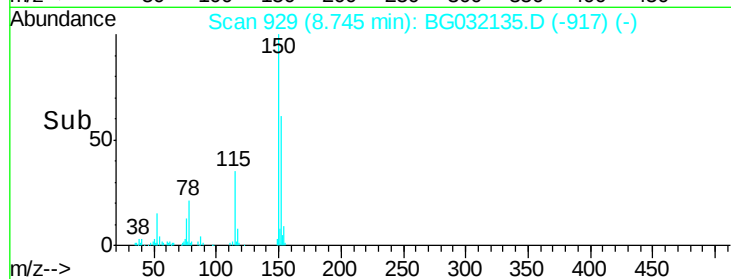
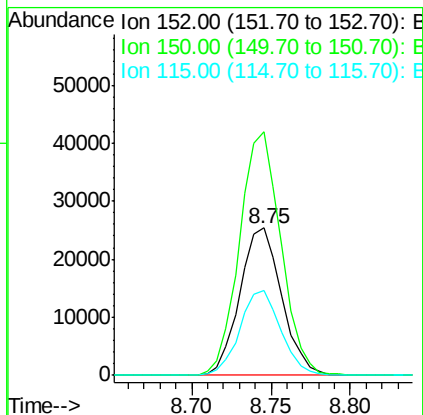
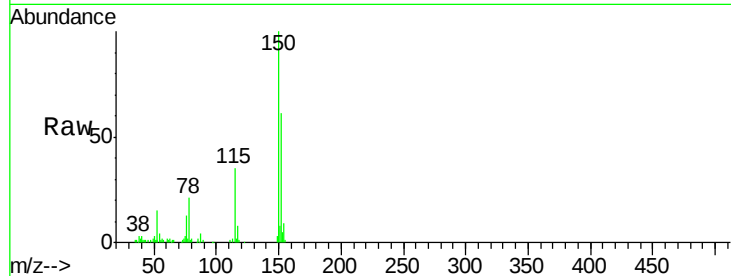


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. -0.03 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Instrument :
BNA_G
ClientSampleId :
OWS-1

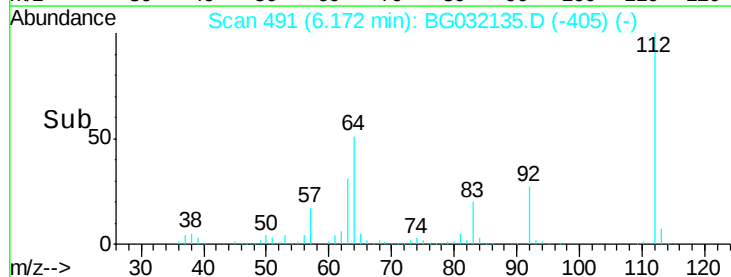
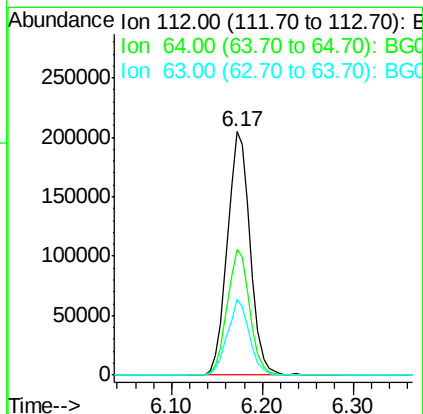
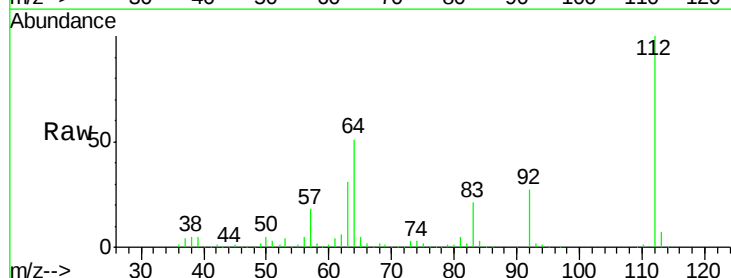
Tgt Ion:152 Resp: 46594
Ion Ratio Lower Upper
152 100
150 165.0 126.6 189.8
115 57.2 53.0 79.4

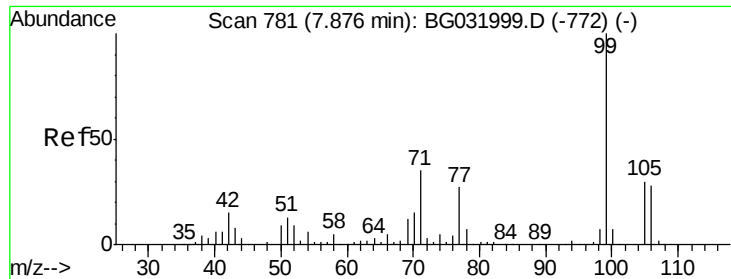


#5

2-Fluorophenol
Concen: 139.946 ng
RT: 6.17 min Scan# 491
Delta R.T. -0.02 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Tgt Ion:112 Resp: 356527
Ion Ratio Lower Upper
112 100
64 51.5 56.3 84.5#
63 31.0 30.1 45.1





#7

Phenol-d6

Concen: 129.491 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

Instrument :

BNA_G

ClientSampleId :

OWS-1

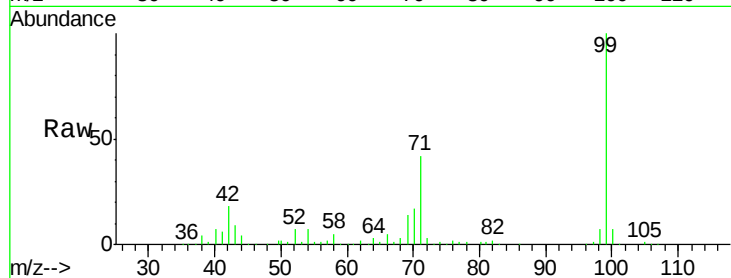
Tgt Ion: 99 Resp: 415479

Ion Ratio Lower Upper

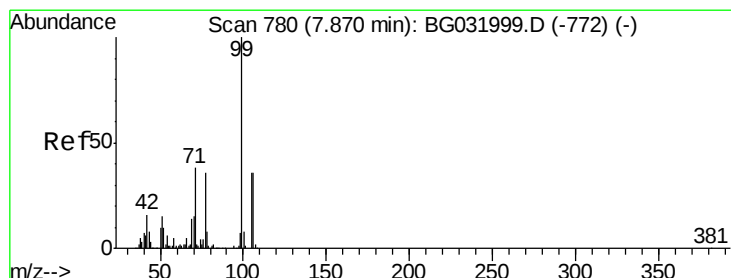
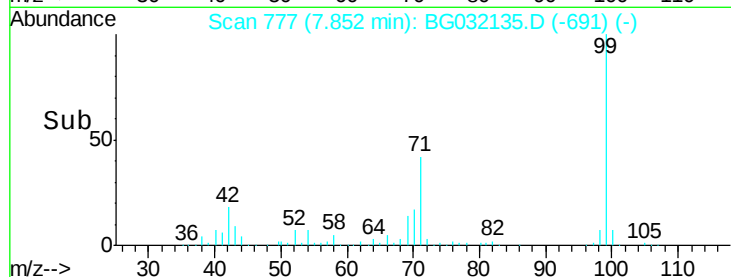
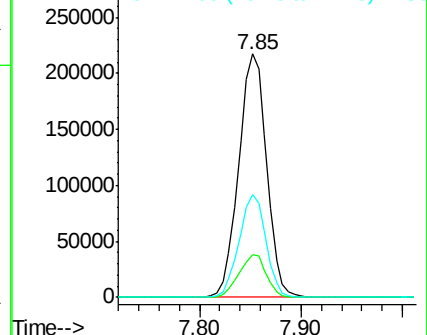
99 100

42 17.7 14.1 21.1

71 42.1 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



#9

Benzaldehyde

Concen: 2.088 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.02 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

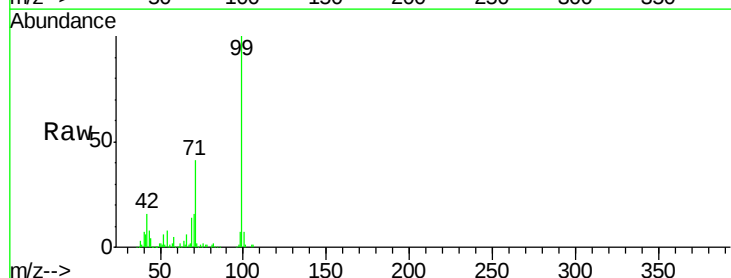
Tgt Ion: 77 Resp: 3881

Ion Ratio Lower Upper

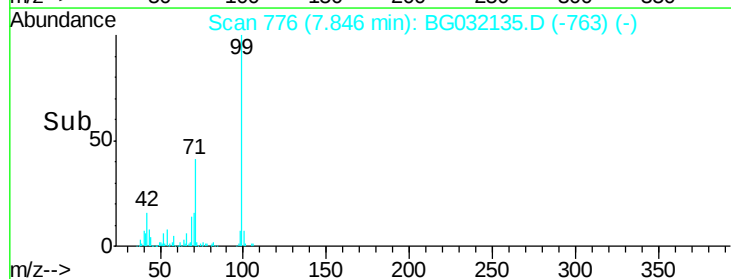
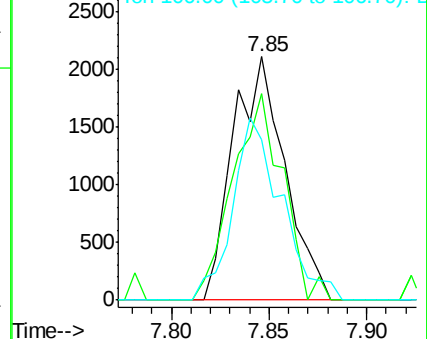
77 100

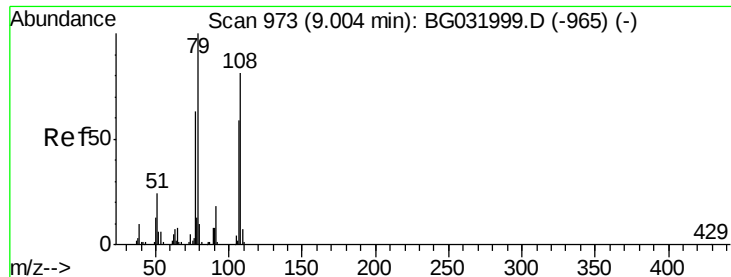
105 84.8 71.3 111.3

106 66.1 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 146.314 ng

RT: 8.99 min Scan# 970

Delta R.T. -0.02 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

Instrument :

BNA_G

ClientSampleId :

OWS-1

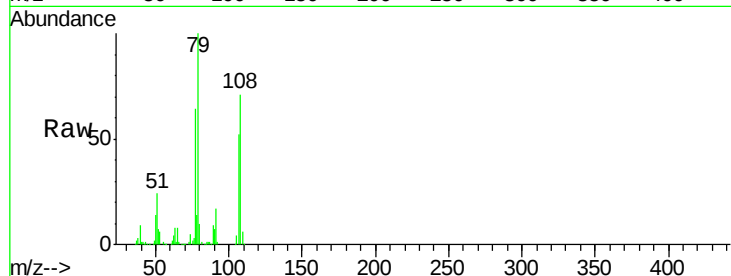
Tgt Ion: 79 Resp: 341039

Ion Ratio Lower Upper

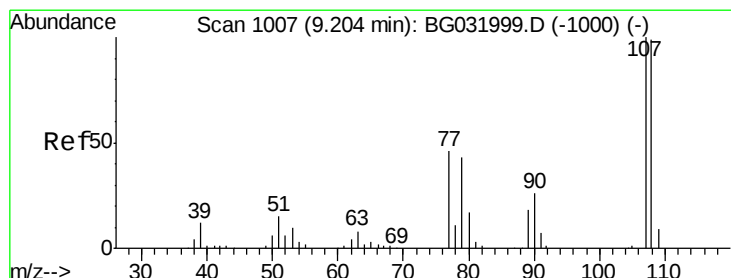
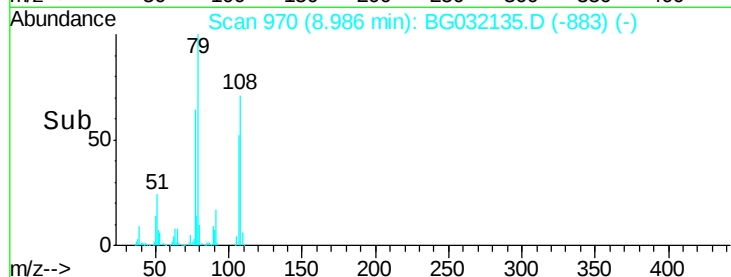
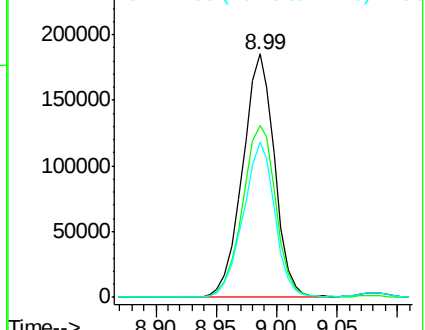
79 100

108 70.8 57.2 85.8

77 63.5 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



#17

2-Methylphenol

Concen: 75.683 ng

RT: 8.99 min Scan# 970

Delta R.T. -0.22 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

Tgt Ion: 107 Resp: 182810

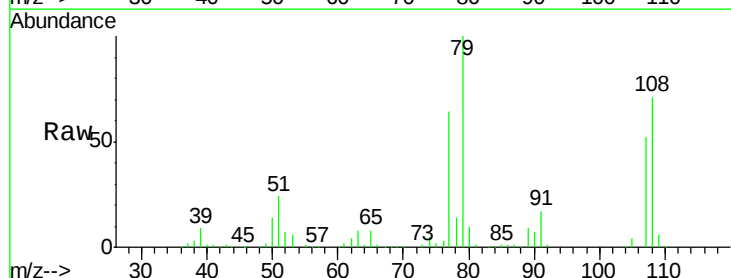
Ion Ratio Lower Upper

107 100

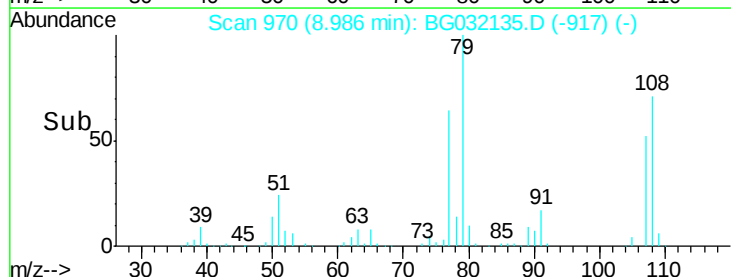
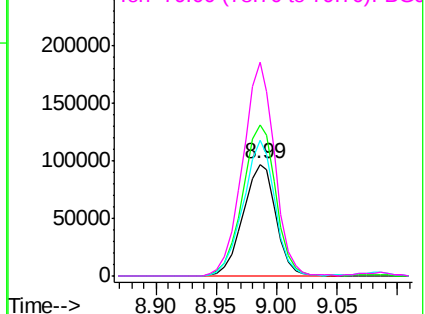
108 135.7 83.9 125.9#

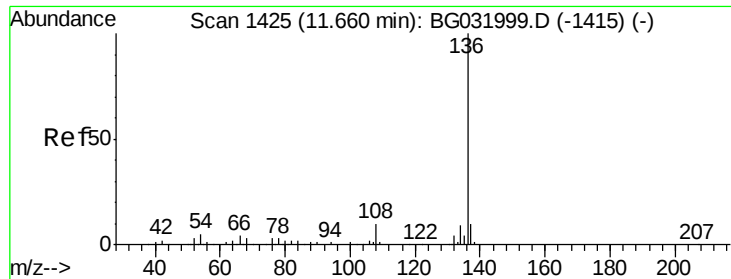
77 121.8 37.2 55.8#

79 191.7 36.2 54.2#



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

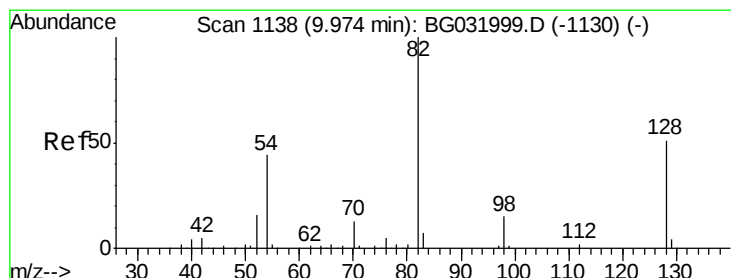
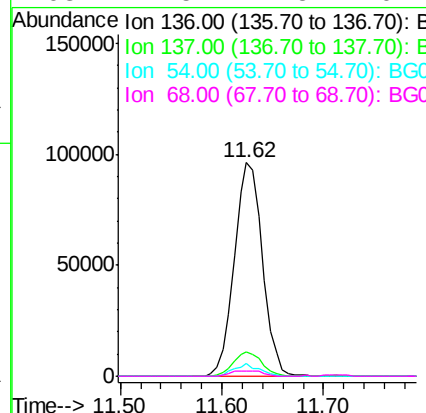
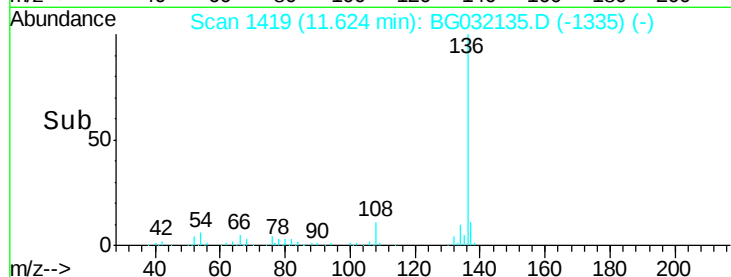
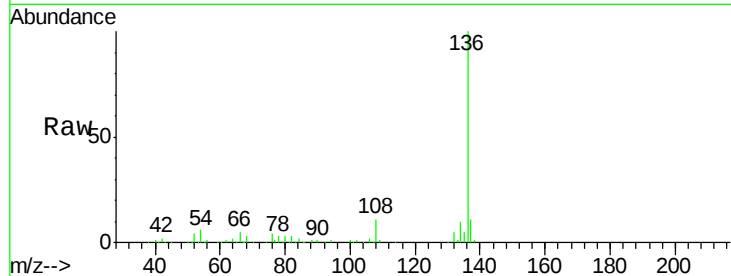




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.04 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

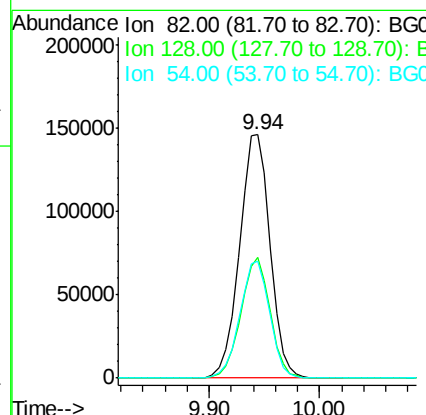
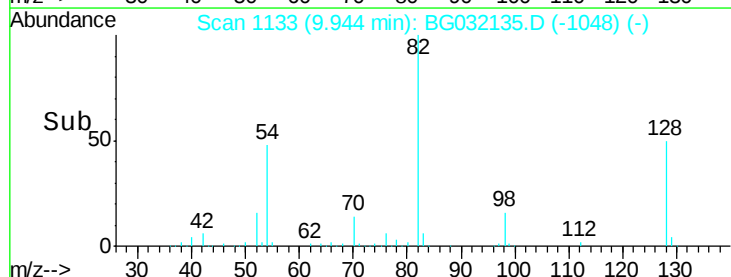
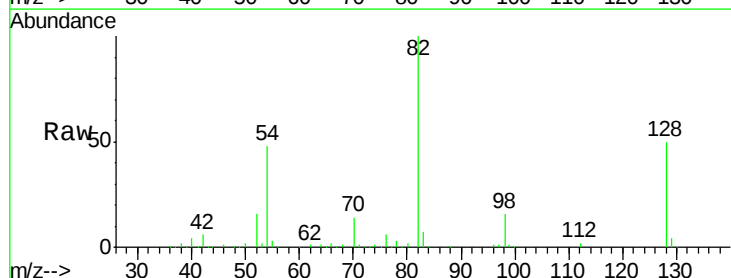
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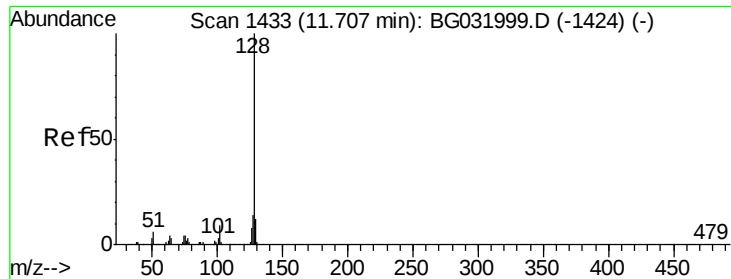
Tgt Ion:	136	Resp:	184740
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.9	10.3	15.5#
68	2.5	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 103.731 ng
RT: 9.94 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Tgt Ion:	82	Resp:	283252
Ion	Ratio	Lower	Upper
82	100		
128	49.6	29.7	44.5#
54	48.2	43.1	64.7

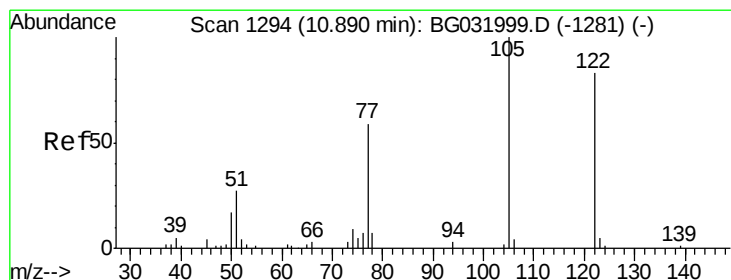
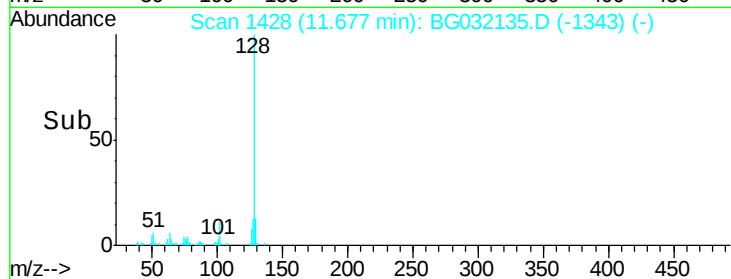
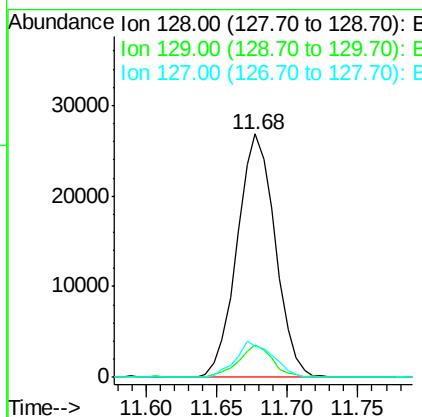
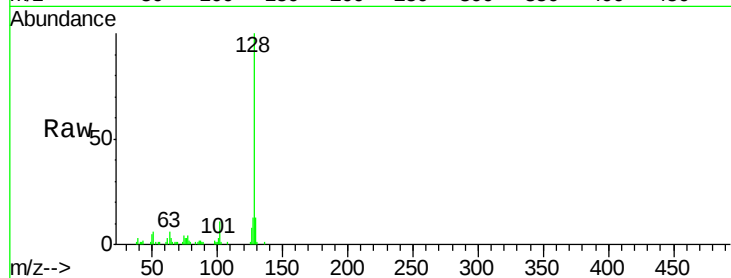




#31
Naphthalene
Concen: 5.525 ng
RT: 11.68 min Scan# 1428
Delta R.T. -0.03 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

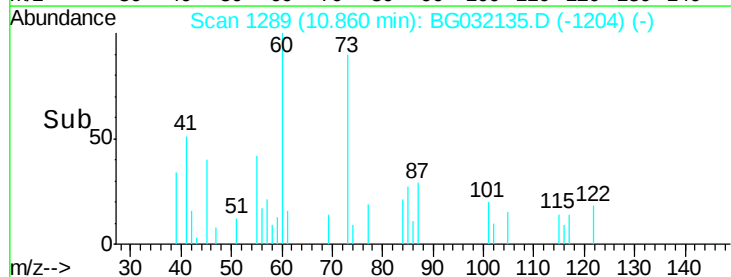
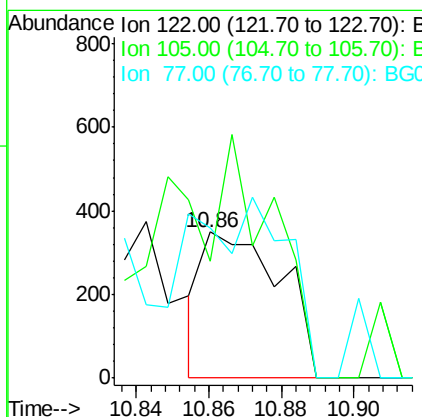
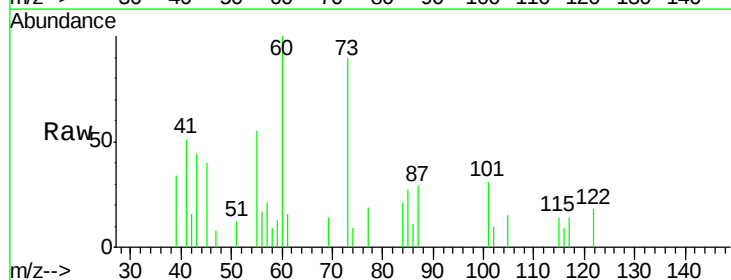
Instrument :
BNA_G
ClientSampleId :
OWS-1

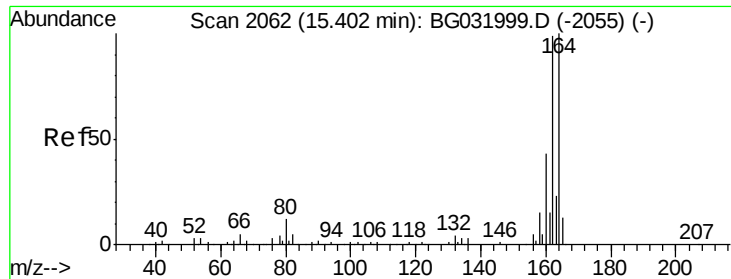
Tgt Ion:128 Resp: 50565
Ion Ratio Lower Upper
128 100
129 13.1 8.6 12.8#
127 12.9 11.6 17.4



#32
Benzoic acid
Concen: 5.481 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Tgt Ion:122 Resp: 520
Ion Ratio Lower Upper
122 100
105 79.9 123.5 163.5#
77 103.2 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

Instrument :

BNA_G

ClientSampleId :

OWS-1

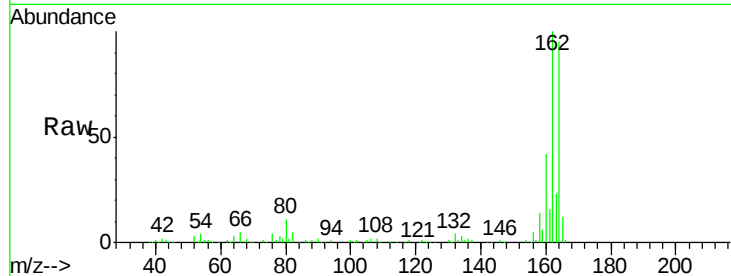
Tgt Ion:164 Resp: 130530

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

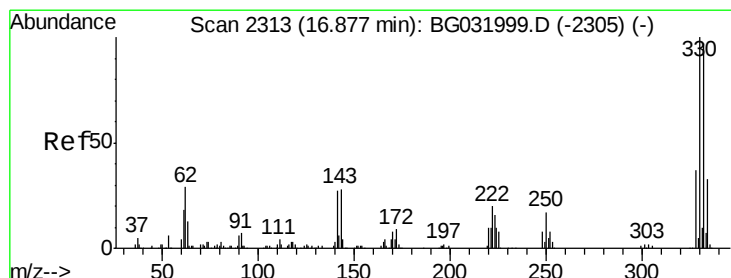
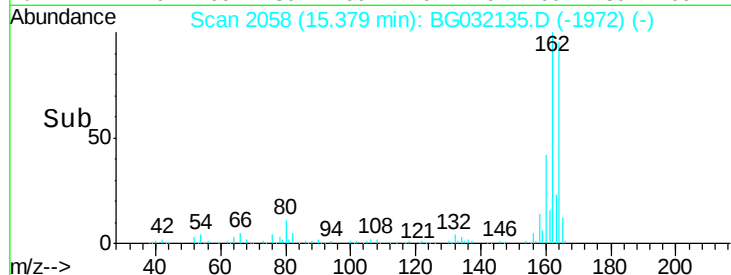
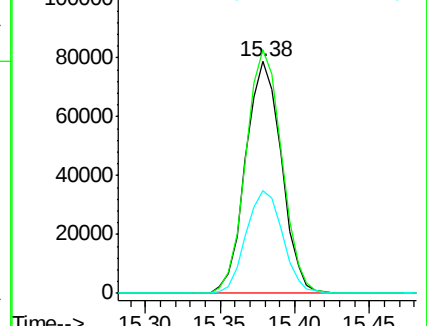
160 44.5 35.4 53.0



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: 142.532 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

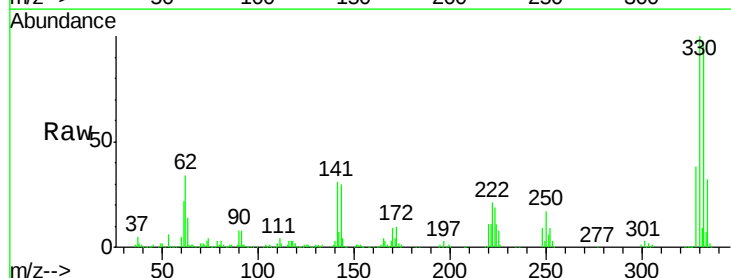
Tgt Ion:330 Resp: 307865

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

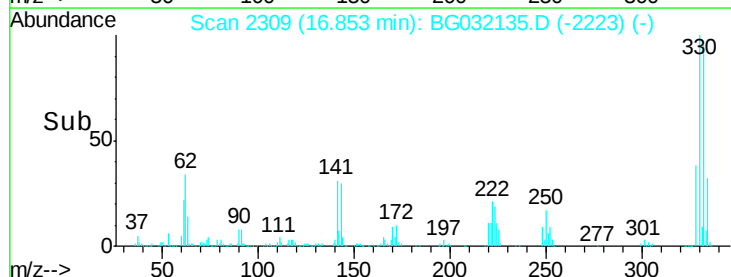
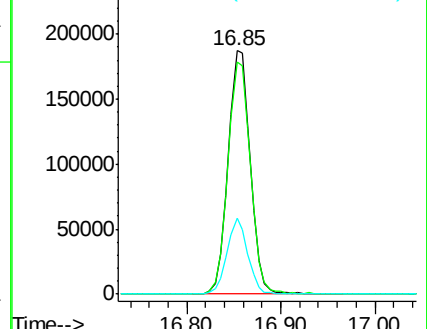
141 29.1 25.2 37.8

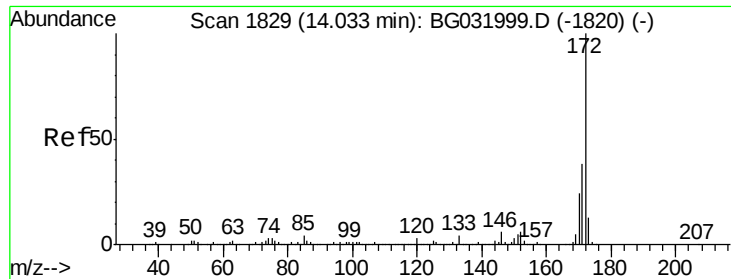


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

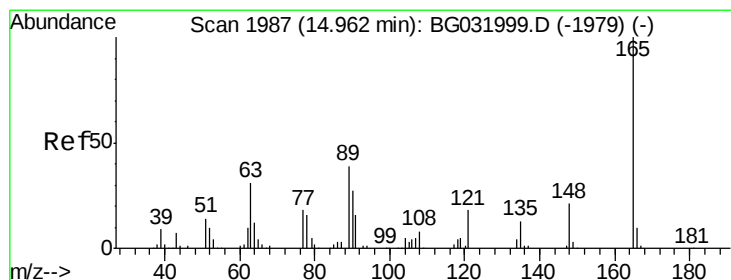
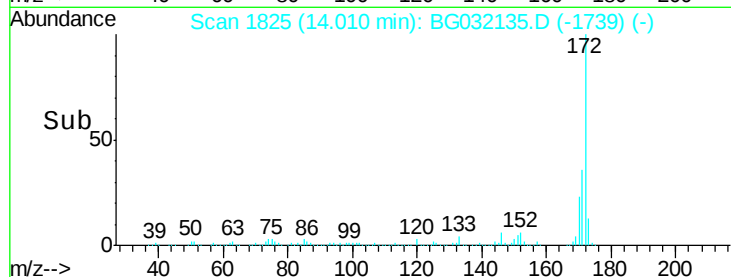
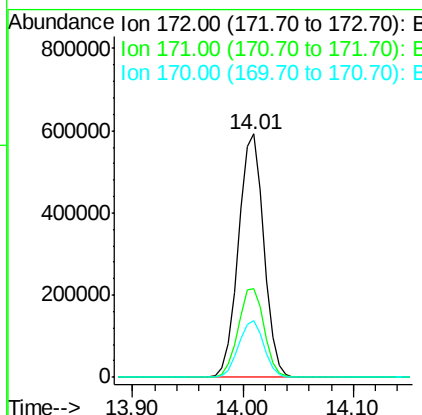
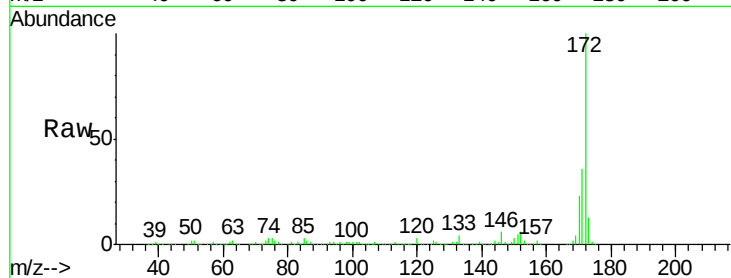




#44
2-Fluorobiphenyl
Concen: 91.038 ng
RT: 14.01 min Scan# 1825
Delta R.T. -0.02 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

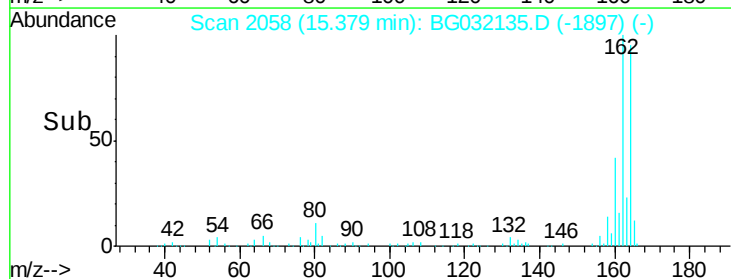
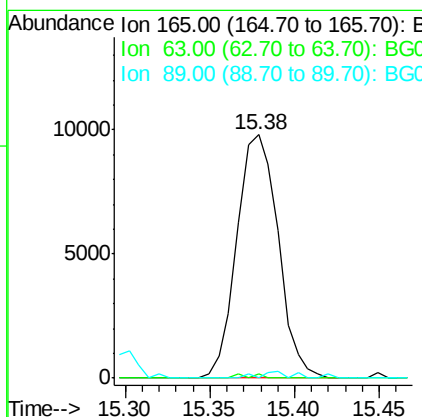
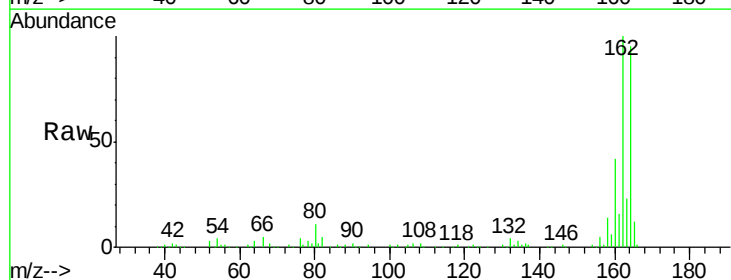
Instrument :
BNA_G
ClientSampleId :
OWS-1

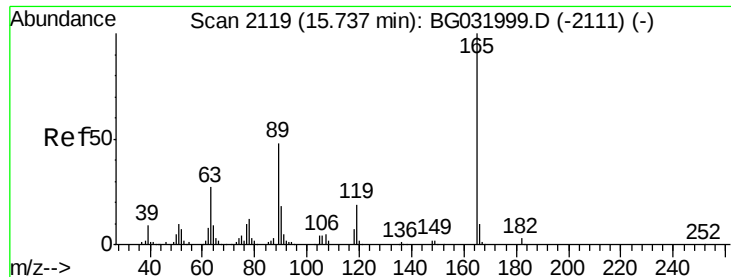
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	23.3	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.042 ng
RT: 15.38 min Scan# 2058
Delta R.T. 0.42 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	52.7	79.1#
89	0.0	49.2	73.8#

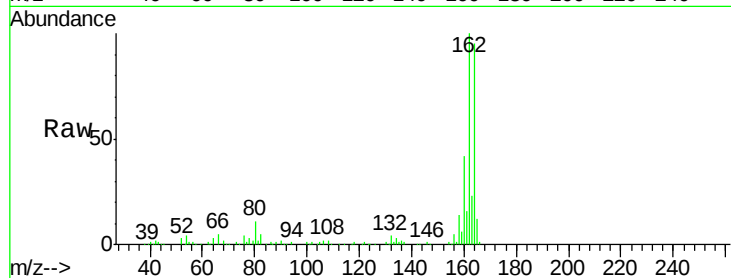




#56
 2,4-Dinitrotoluene
 Concen: 5.230 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.36 min
 Lab File: BG032135.D
 Acq: 18 Jan 2018 12:45

Instrument :
 BNA_G
 ClientSampleId :
 OWS-1

Tgt Ion:	165	Resp:	16695
Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

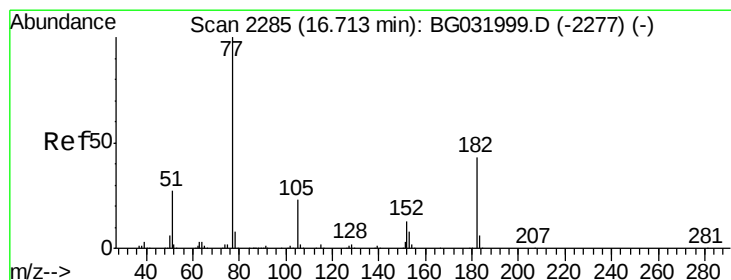
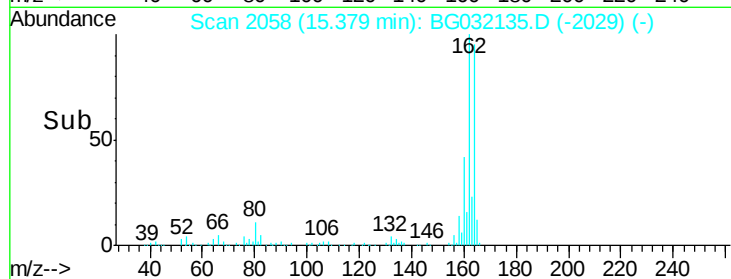
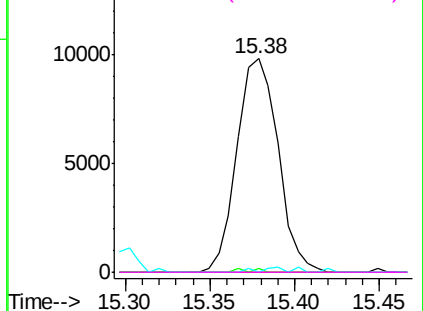


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

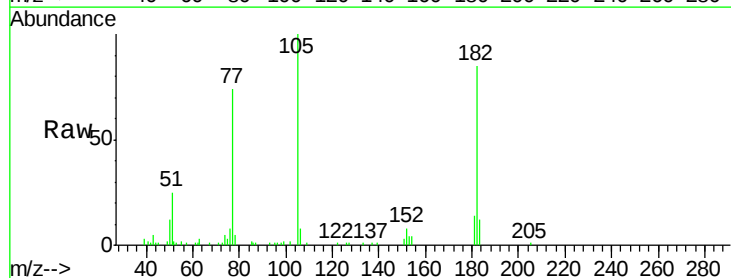
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 2.646 ng
 RT: 16.71 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BG032135.D
 Acq: 18 Jan 2018 12:45

Tgt Ion:	77	Resp:	18339
Ion	Ratio	Lower	Upper
77	100		
182	114.6	7.4	47.4#
105	135.2	0.3	40.3#
51	33.4	11.6	51.6

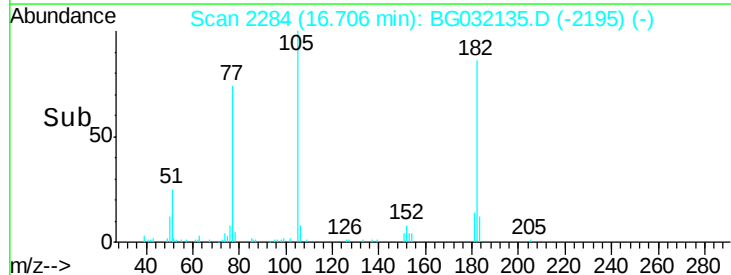
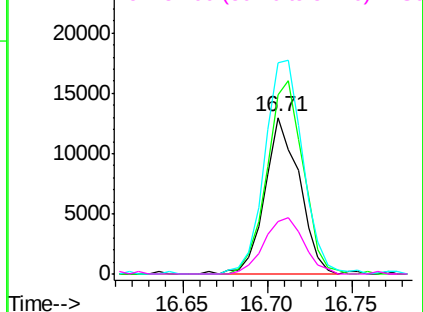


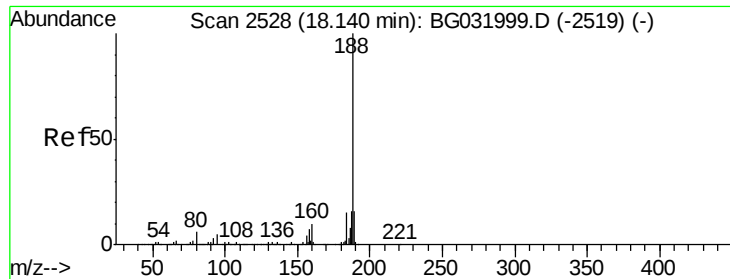
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.03 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

Instrument :

BNA_G

ClientSampleId :

OWS-1

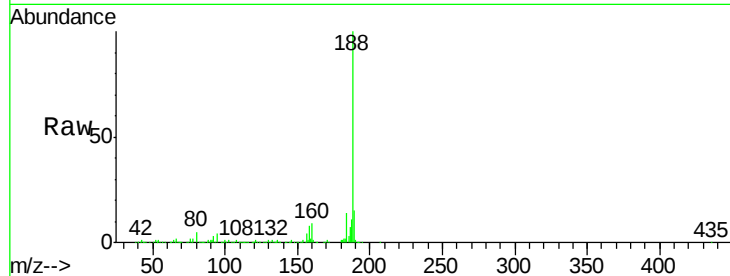
Tgt Ion:188 Resp: 348910

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

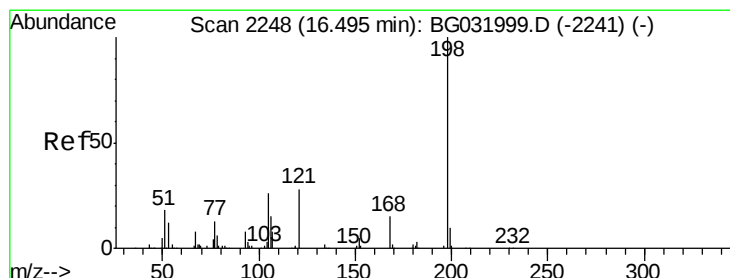
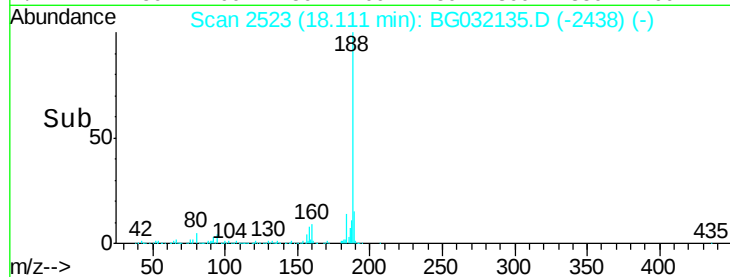
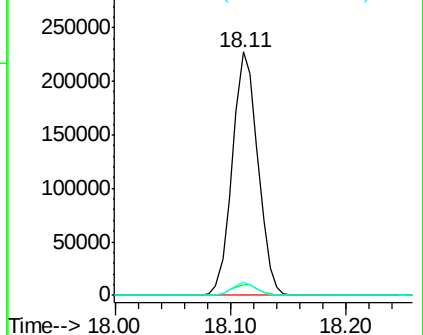
80 5.3 7.7 11.5#



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: 5.244 ng

RT: 16.86 min Scan# 2310

Delta R.T. 0.36 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

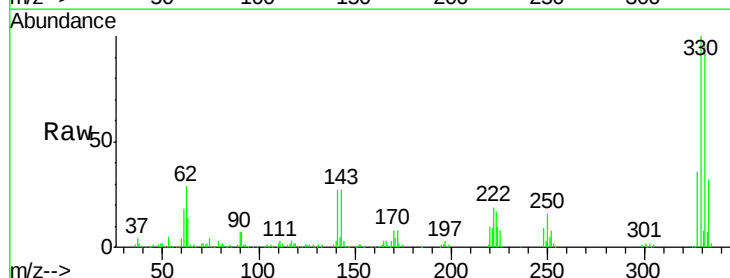
Tgt Ion:198 Resp: 893

Ion Ratio Lower Upper

198 100

51 54.7 30.6 70.6

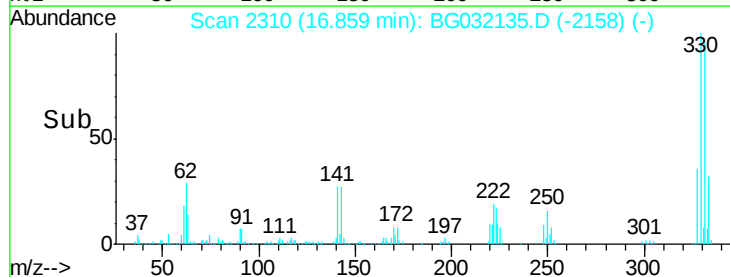
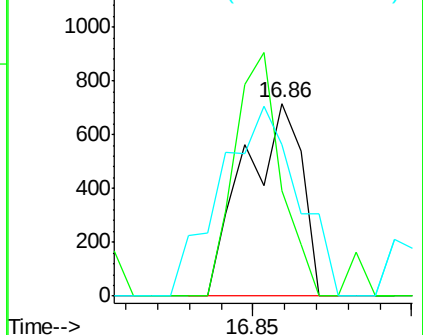
105 78.9 23.8 63.8#

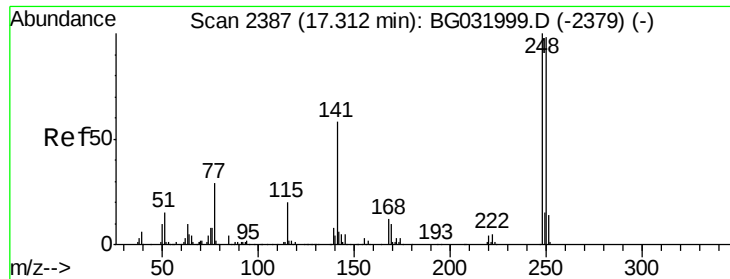


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

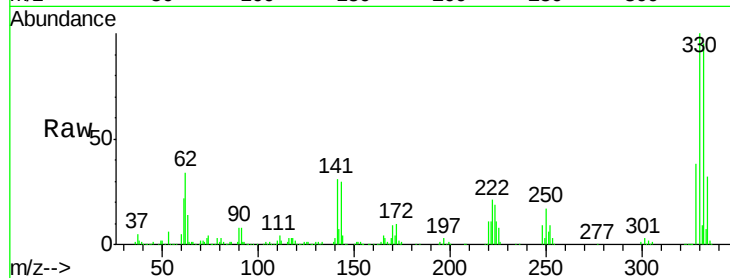




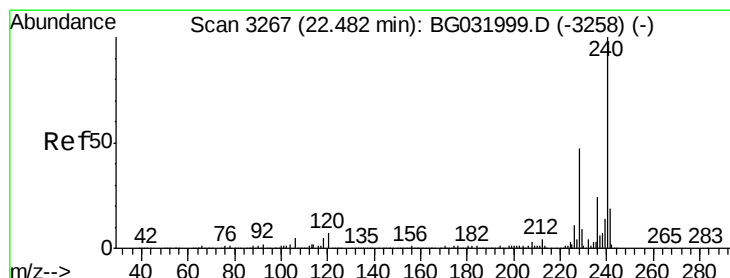
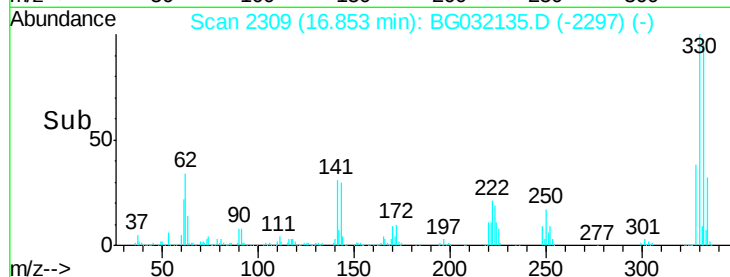
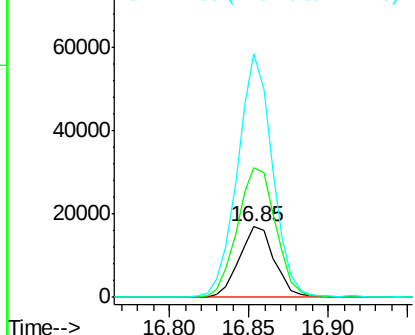
#66
4-Bromophenyl-phenylether
Concen: 5.271 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.46 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Instrument :
BNA_G
ClientSampleId :
OWS-1

Tgt Ion:248 Resp: 26166
Ion Ratio Lower Upper
248 100
250 184.6 77.1 115.7#
141 345.0 50.8 76.2#

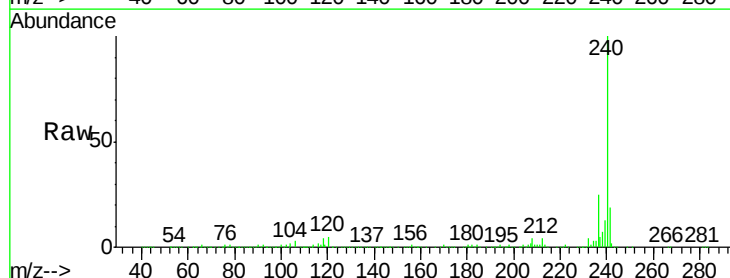


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

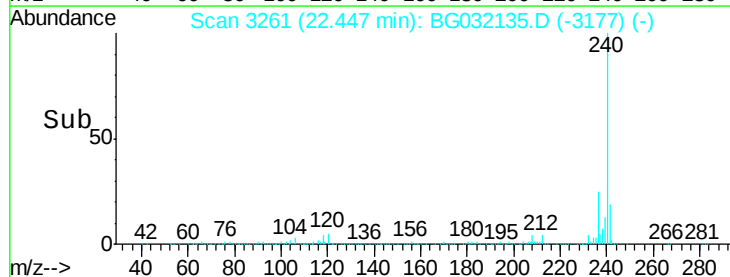
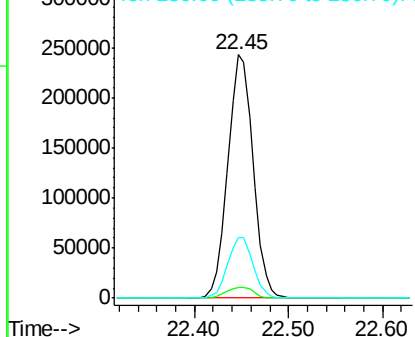


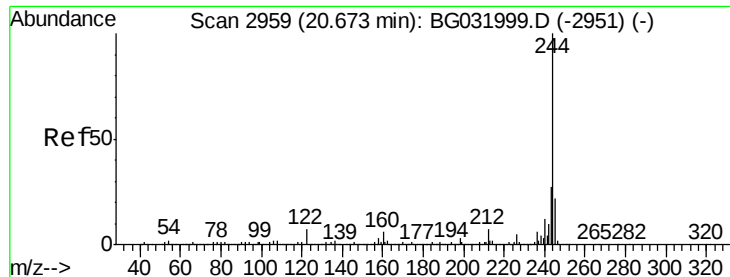
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.04 min
Lab File: BG032135.D
Acq: 18 Jan 2018 12:45

Tgt Ion:240 Resp: 452669
Ion Ratio Lower Upper
240 100
120 4.5 6.8 10.2#
236 25.0 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





#78

Terphenyl-d14

Concen: 84.620 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

Instrument :

BNA_G

ClientSampleId :

OWS-1

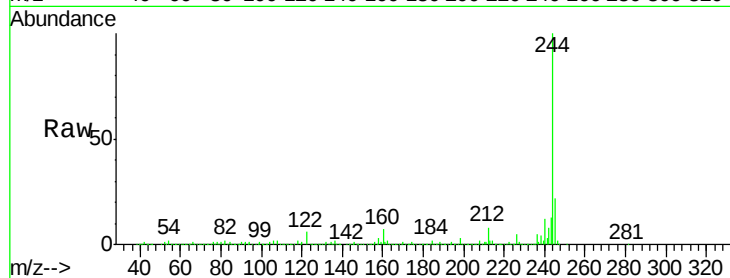
Tgt Ion:244 Resp: 1734788

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

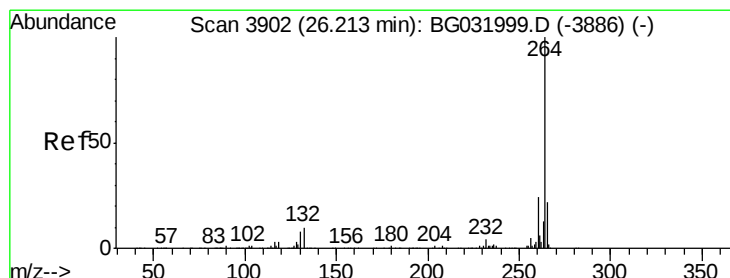
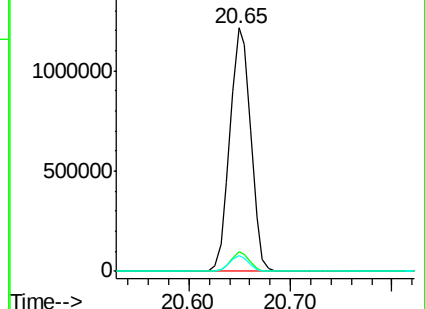
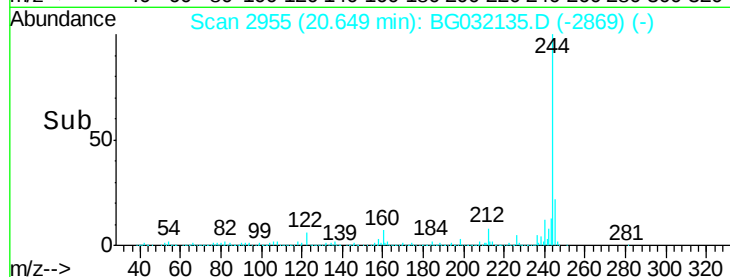
122 6.5 7.0 10.4#



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: 26.15 min Scan# 3892

Delta R.T. -0.06 min

Lab File: BG032135.D

Acq: 18 Jan 2018 12:45

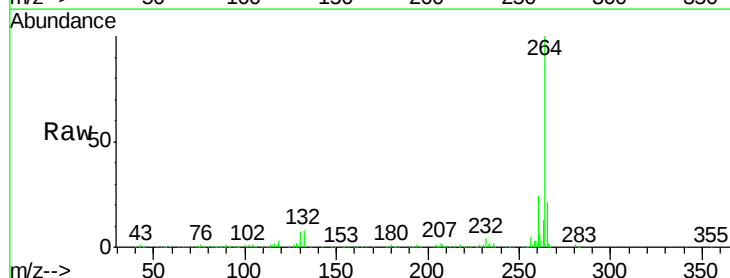
Tgt Ion:264 Resp: 481884

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 21.2 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

