

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010218\
 Data File : BG031874.D
 Acq On : 2 Jan 2018 16:46
 Operator : SJ/JU
 Sample : I6680-22
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 02 17:34:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	50471	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	203650	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	137558	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	386726	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	469215	20.00	ng	-0.02
86) Perylene-d12	26.22	264	485678	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	381558	137.70	ng	0.00
7) Phenol-d6	7.89	99	428076	118.99	ng	0.00
23) Nitrobenzene-d5	9.99	82	289184	107.23	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	371718	177.10	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1006592	91.85	ng	0.00
78) Terphenyl-d14	20.68	244	2069225	100.75	ng	-0.01

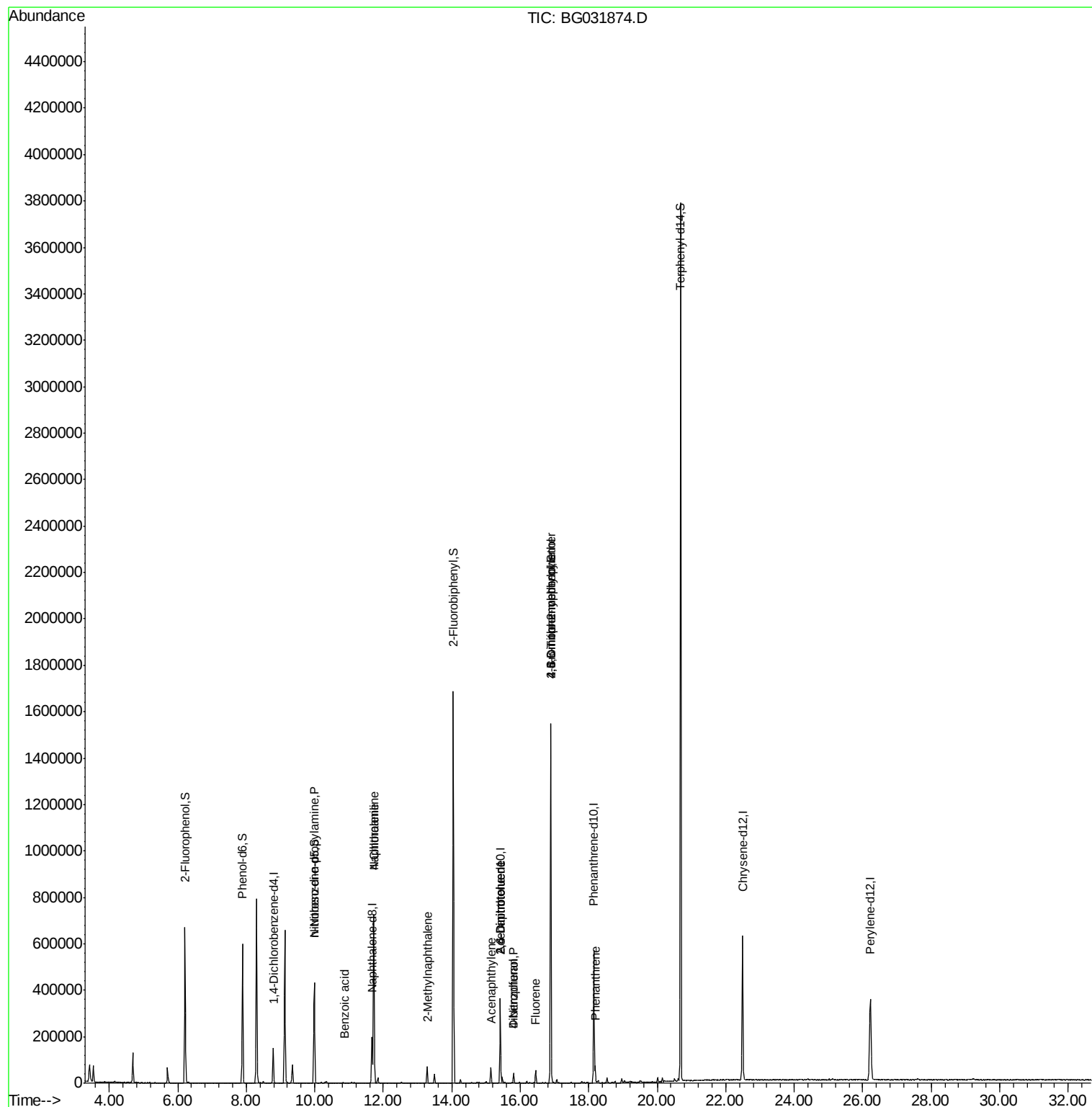
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.99	70	38052	15.487	ng	# 70
31) Naphthalene	11.73	128	709010	68.985	ng	# 99
32) Benzoic acid	10.88	122	123	6.745	ng	# 26
33) 4-Chloroaniline	11.73	127	99985	21.851	ng	# 33
37) 2-Methylnaphthalene	13.28	142	36982	4.439	ng	# 92
48) Acenaphthylene	15.14	152	54839	3.825	ng	# 98
50) 2,6-Dinitrotoluene	15.42	165	17064	7.654	ng	# 21
54) Dibenzofuran	15.80	168	32186	2.236	ng	# 94
55) 4-Nitrophenol	15.80	139	10811	6.107	ng	# 1
56) 2,4-Dinitrotoluene	15.42	165	17064	5.953	ng	# 19
57) Fluorene	16.45	166	29560	2.528	ng	# 96
64) 4,6-Dinitro-2-methylphenol	16.89	198	846	8.678	ng	# 60
66) 4-Bromophenyl-phenylether	16.89	248	29277	5.235	ng	# 1
70) Phenanthrene	18.19	178	54906	2.509	ng	# 98

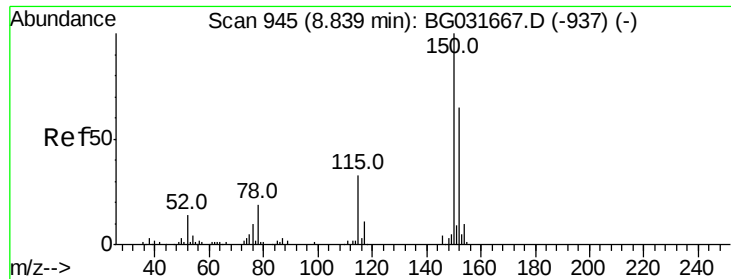
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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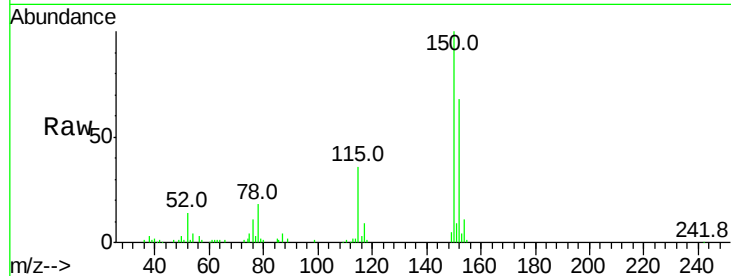


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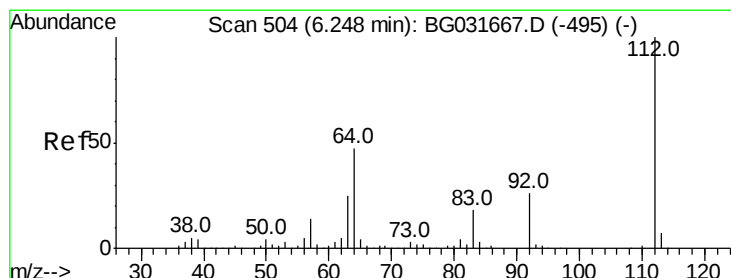
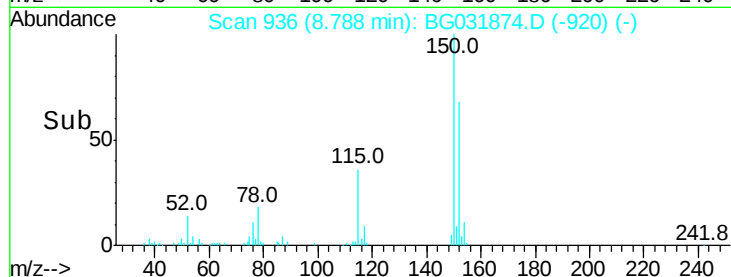
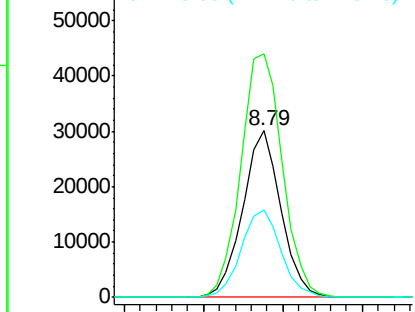
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50471
Ion Ratio Lower Upper
152 100
150 146.4 126.6 189.8
115 52.2 53.0 79.4#



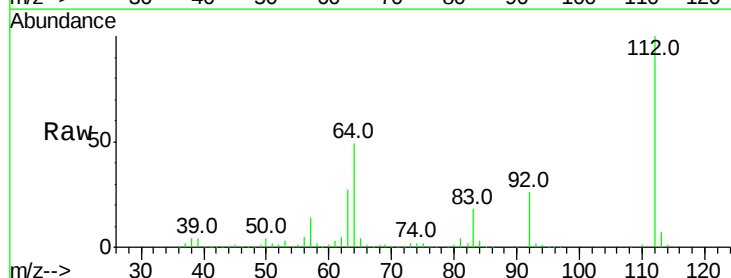
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



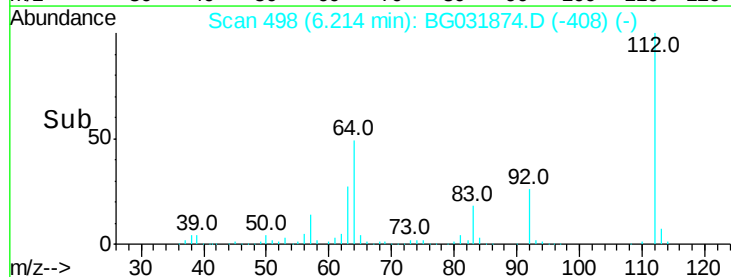
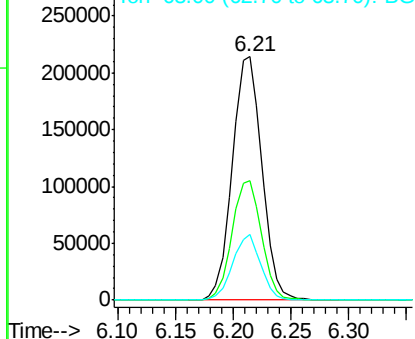
#5

2-Fluorophenol
Concen: 137.696 ng
RT: 6.21 min Scan# 498
Delta R.T. 0.00 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Tgt Ion:112 Resp: 381558
Ion Ratio Lower Upper
112 100
64 49.1 56.3 84.5#
63 26.7 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: 118.986 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

Instrument :

BNA_G

ClientSampleId :

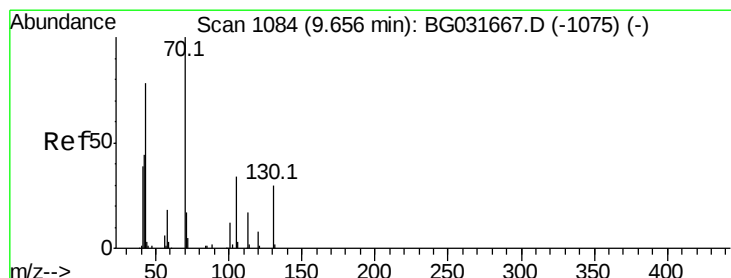
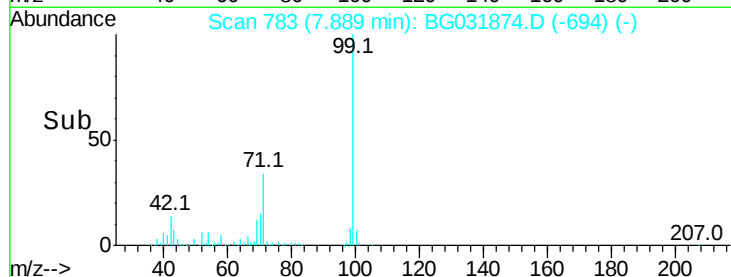
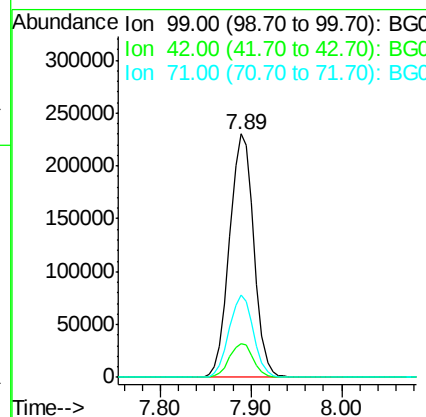
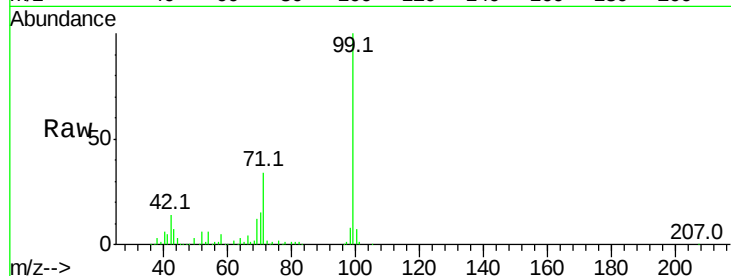
Tot Ion: 99 Resp: 428076

Ion Ratio Lower Upper

99 100

42 13.9 14.1 21.1#

71 33.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 15.487 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.38 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

Tgt Ion: 70 Resp: 38052

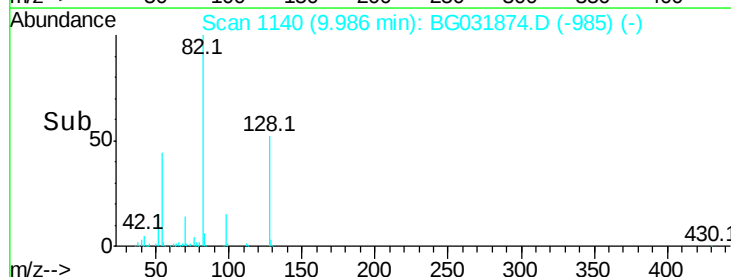
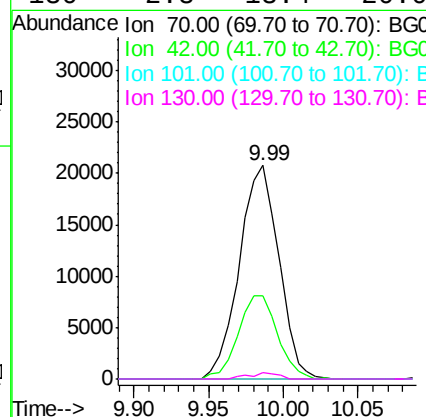
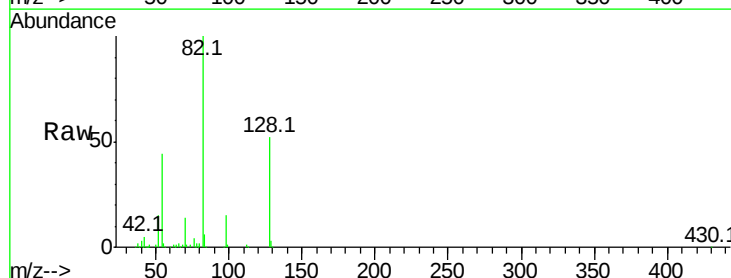
Ion Ratio Lower Upper

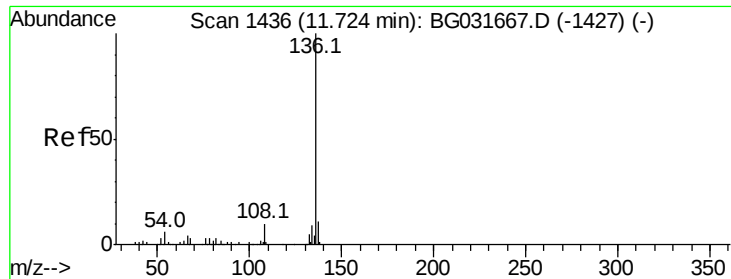
70 100

42 38.7 49.1 73.7#

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

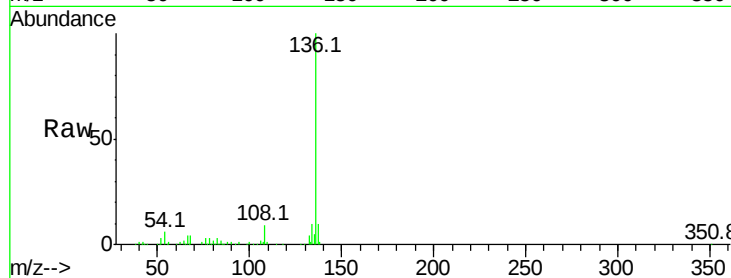




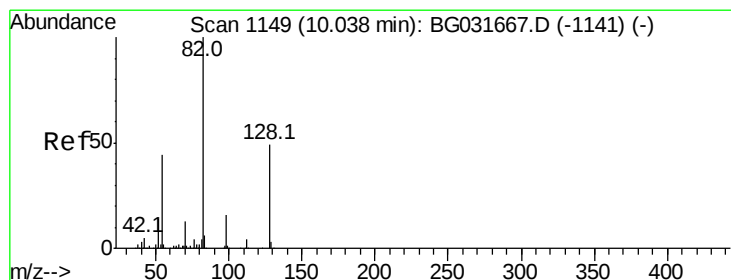
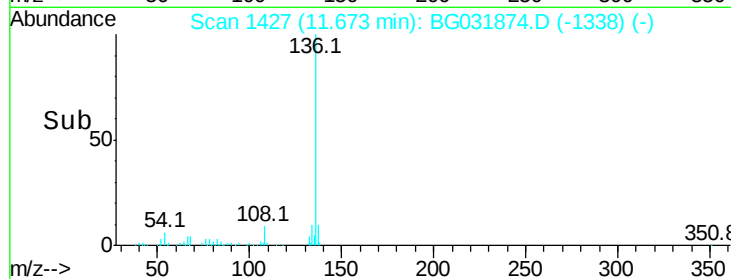
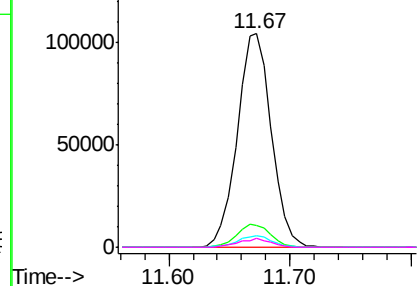
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	203650
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	5.5	10.3	15.5#
68	4.3	4.5	6.7#

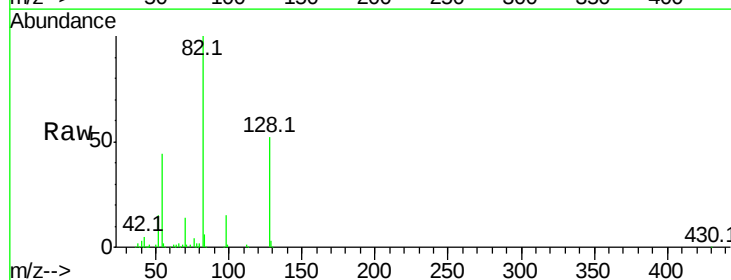


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

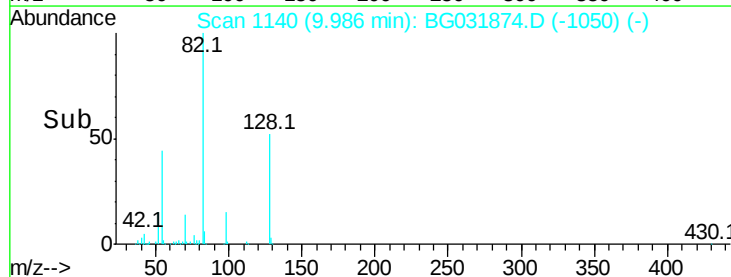
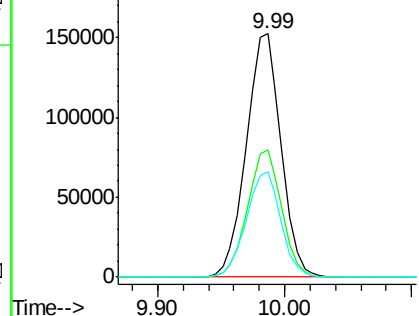


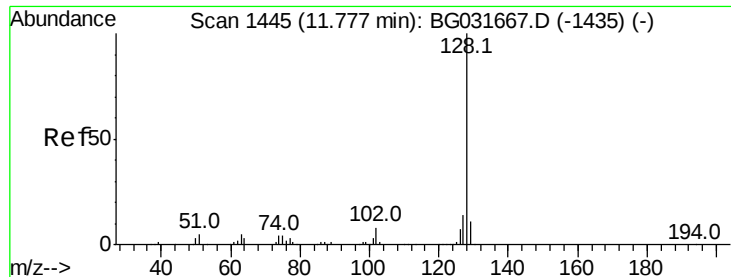
#23
Nitrobenzene-d5
Concen: 107.228 ng
RT: 9.99 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Tgt Ion:	82	Resp:	289184
Ion	Ratio	Lower	Upper
82	100		
128	52.2	29.7	44.5#
54	43.5	43.1	64.7



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

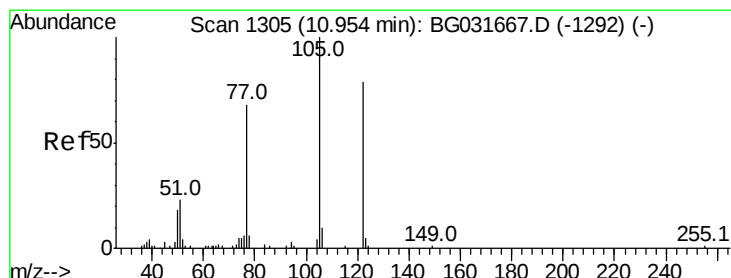
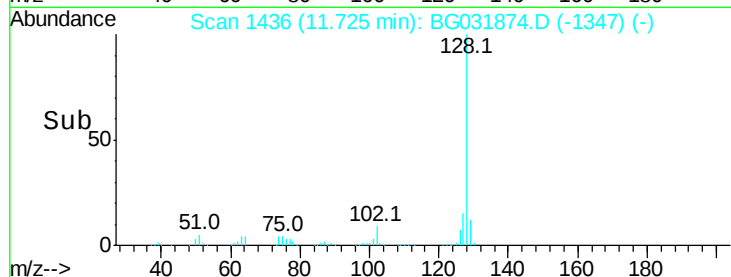
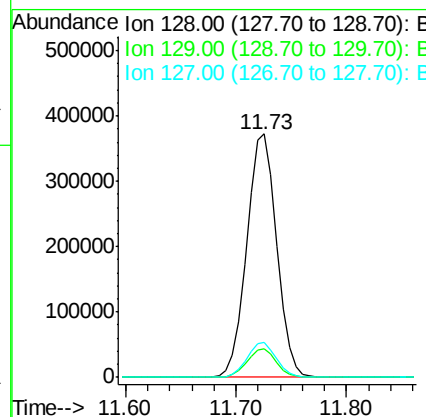
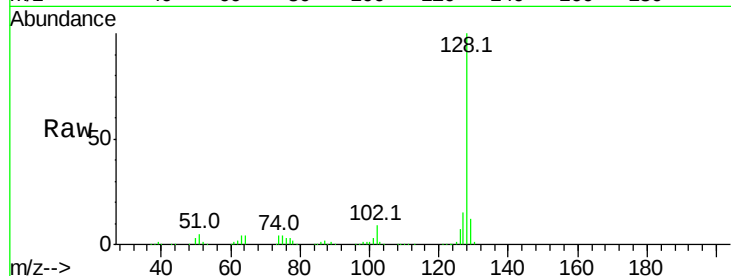




#31
Naphthalene
Concen: 68.985 ng
RT: 11.73 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

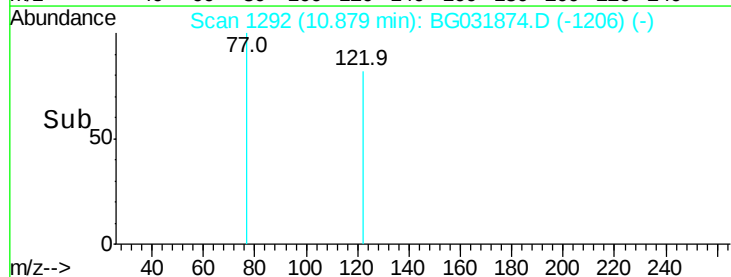
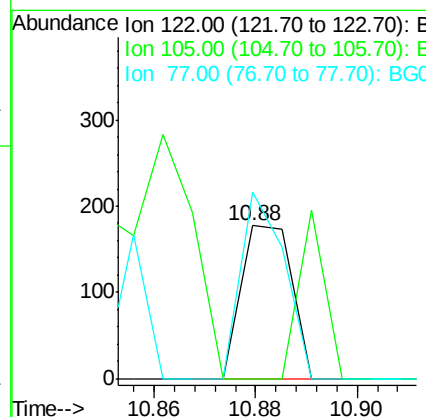
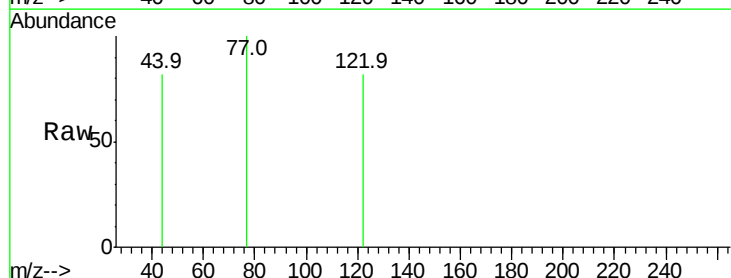
Instrument :
BNA_G
ClientSampleId :

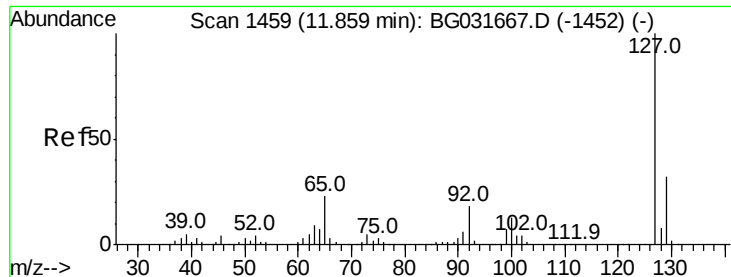
Tot Ion:128 Resp: 709010
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.6 11.6 17.4



#32
Benzoic acid
Concen: 6.745 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Tgt Ion:122 Resp: 123
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 122.6 85.7 125.7

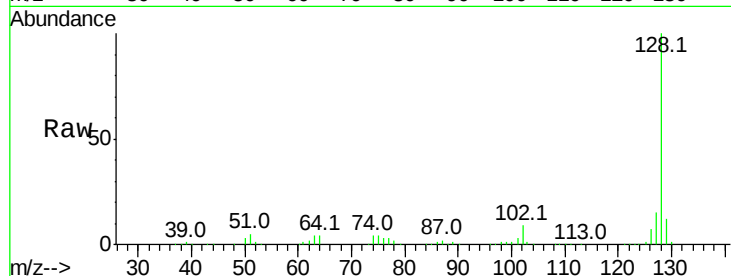




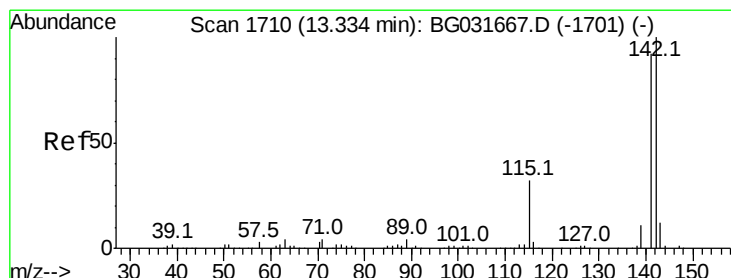
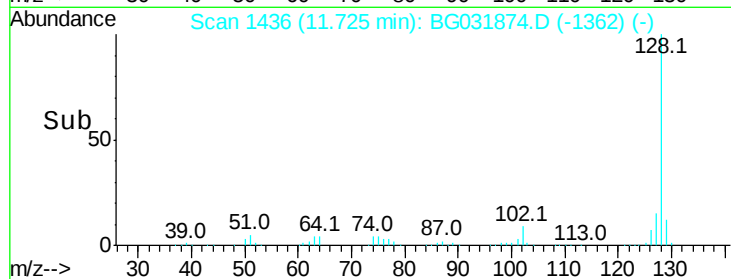
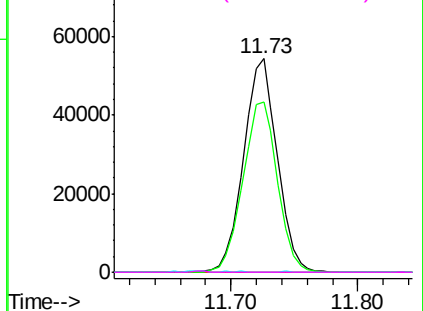
#33
4-Chloroaniline
Concen: 21.851 ng
RT: 11.73 min Scan# 1436
Delta R.T. -0.09 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 99985
Ion Ratio Lower Upper
127 100
129 79.4 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

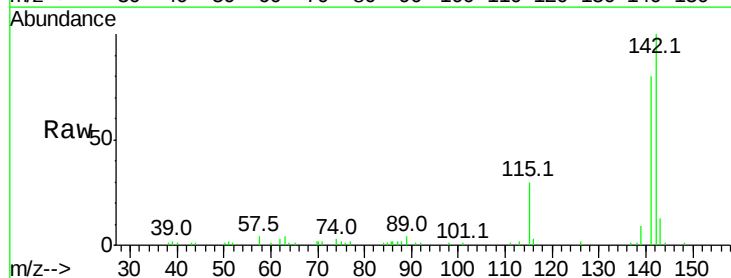


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

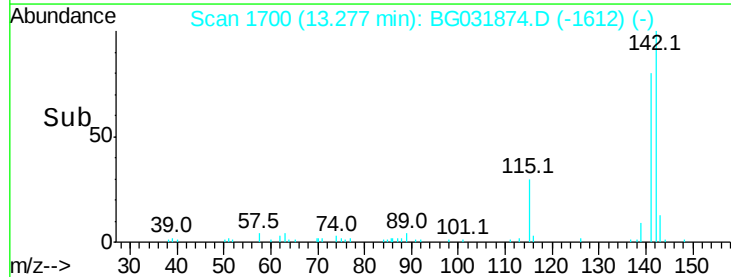
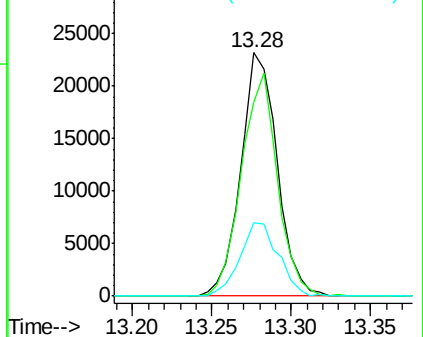


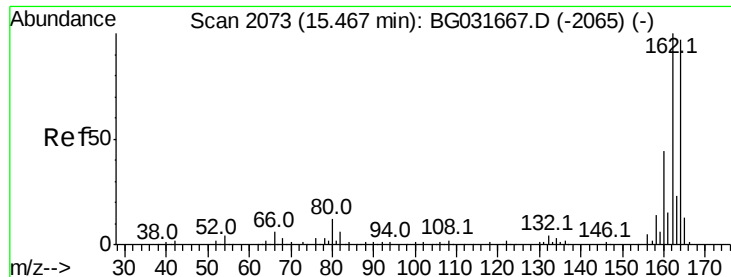
#37
2-Methylnaphthalene
Concen: 4.439 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Tgt Ion:142 Resp: 36982
Ion Ratio Lower Upper
142 100
141 79.5 67.1 100.7
115 30.2 30.7 46.1#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.42 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

Instrument :

BNA_G

ClientSampleId :

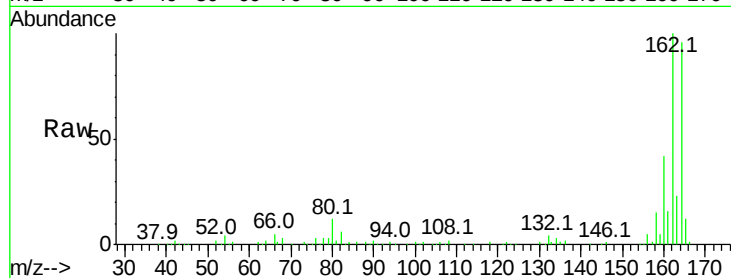
Tot Ion:164 Resp: 137558

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

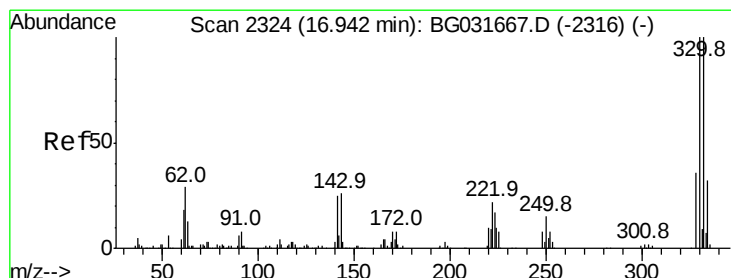
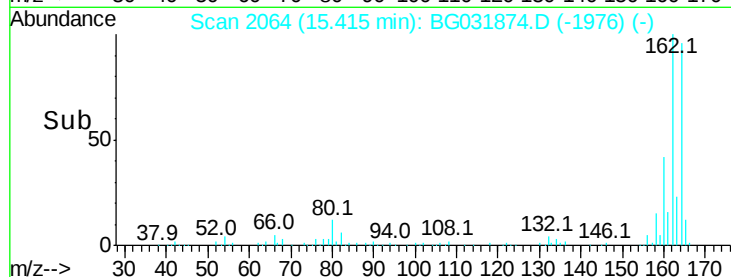
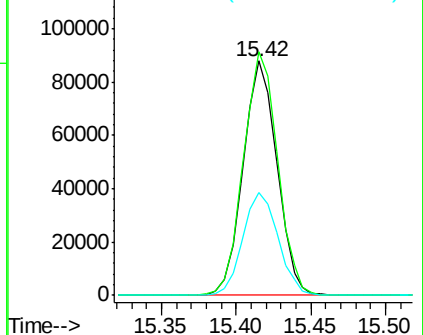
160 43.9 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 177.098 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

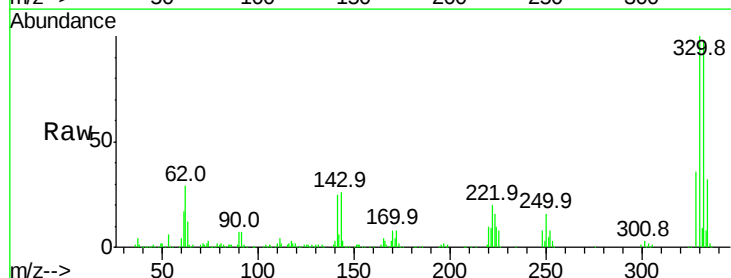
Tgt Ion:330 Resp: 371718

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

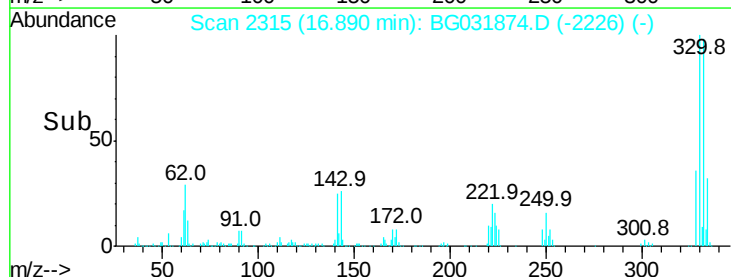
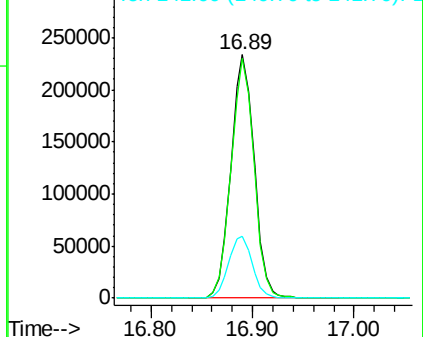
141 26.2 25.2 37.8

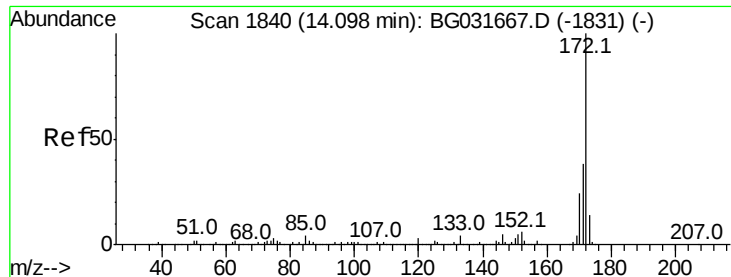


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

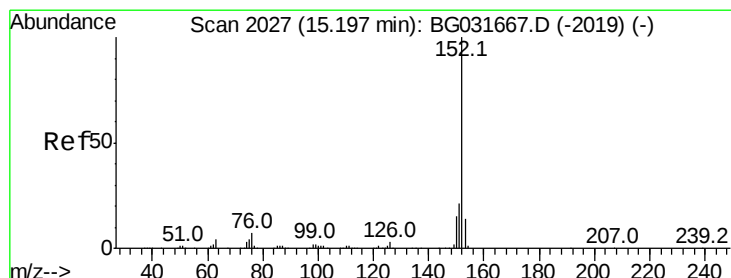
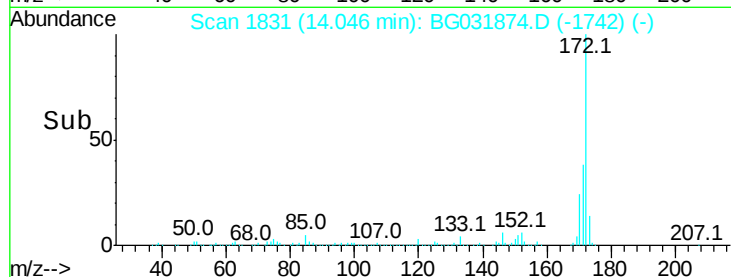
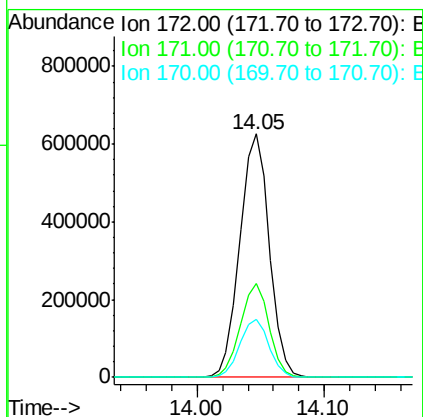
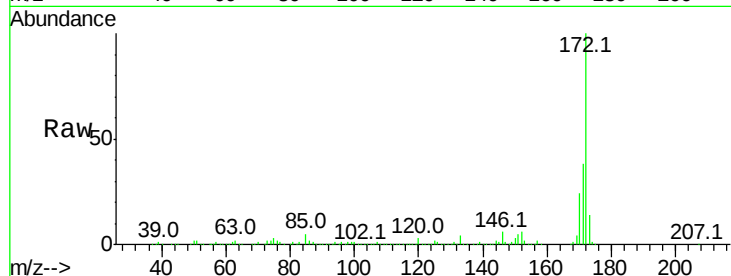




#44
2-Fluorobiphenyl
Concen: 91.845 ng
RT: 14.05 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

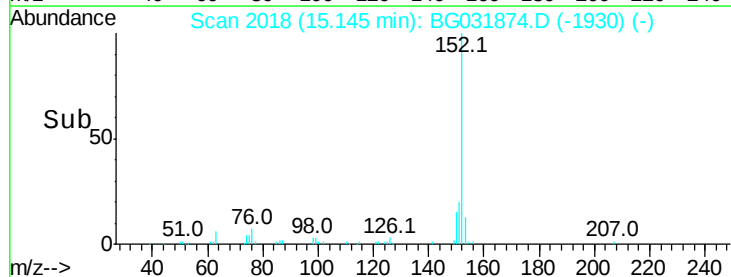
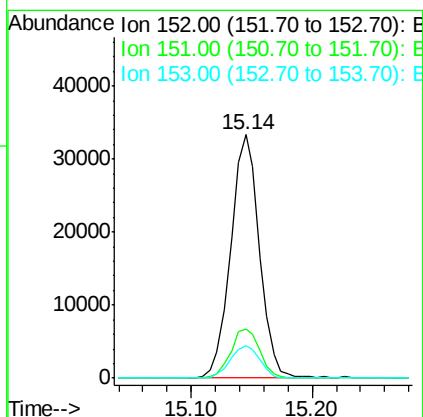
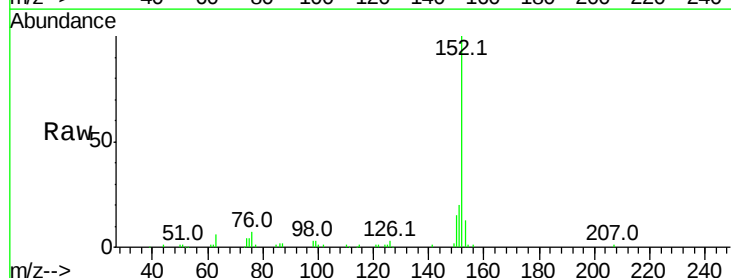
Instrument :
BNA_G
ClientSampleId :

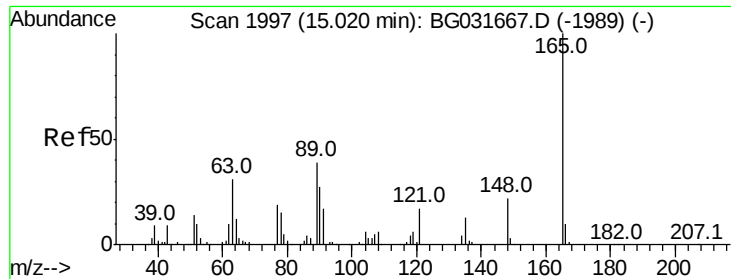
Tot Ion:172 Resp: 1006592
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 23.8 19.5 29.3



#48
Acenaphthylene
Concen: 3.825 ng
RT: 15.14 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Tgt Ion:152 Resp: 54839
Ion Ratio Lower Upper
152 100
151 20.4 17.2 25.8
153 13.1 10.2 15.4

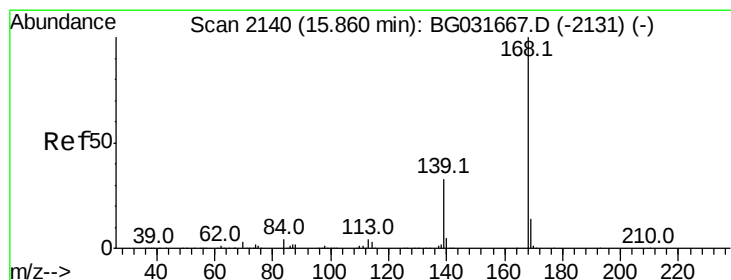
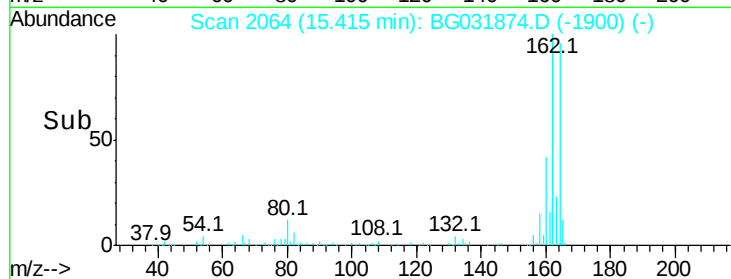
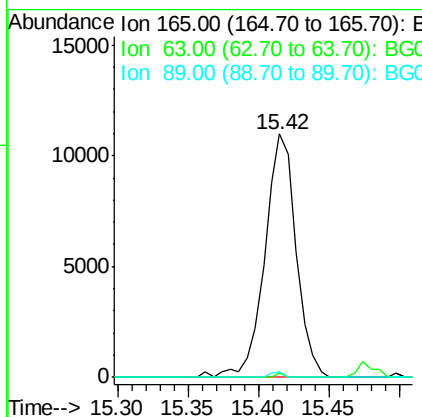
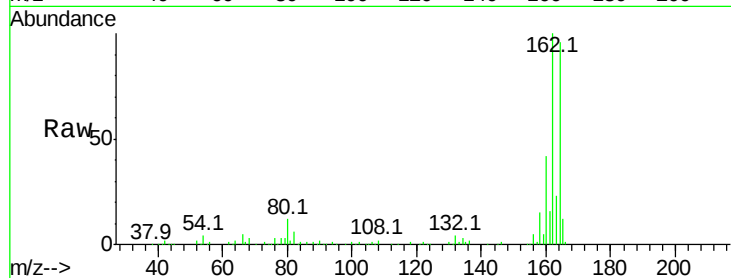




#50
 2,6-Dinitrotoluene
 Concen: 7.654 ng
 RT: 15.42 min Scan# 2064
 Delta R.T. 0.44 min
 Lab File: BG031874.D
 Acq: 2 Jan 2018 16:46

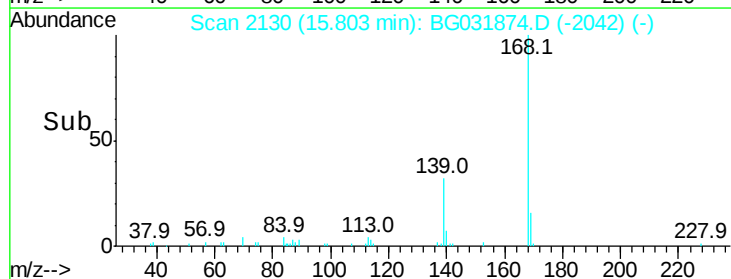
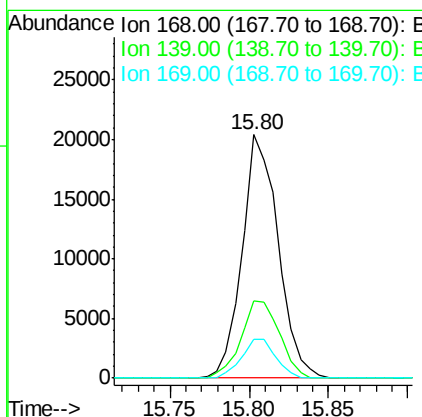
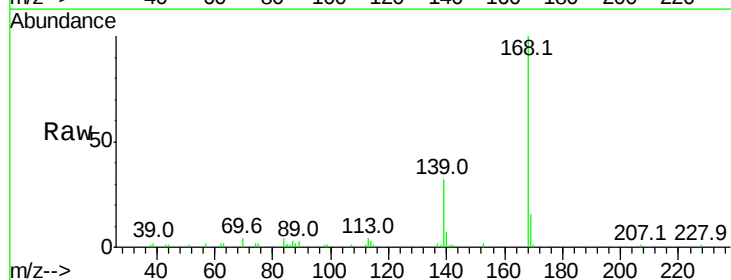
Instrument :
 BNA_G
 ClientSampleId :

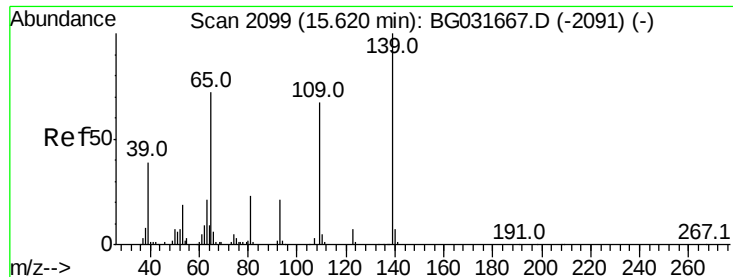
Tot Ion:165 Resp: 17064
 Ion Ratio Lower Upper
 165 100
 63 1.6 52.7 79.1#
 89 2.1 49.2 73.8#



#54
 Dibenzofuran
 Concen: 2.236 ng
 RT: 15.80 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG031874.D
 Acq: 2 Jan 2018 16:46

Tgt Ion:168 Resp: 32186
 Ion Ratio Lower Upper
 168 100
 139 31.9 28.6 43.0
 169 16.2 11.2 16.8

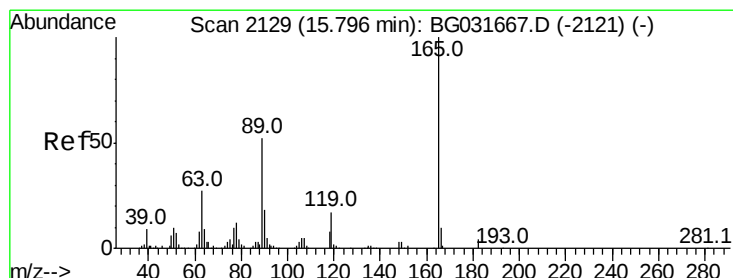
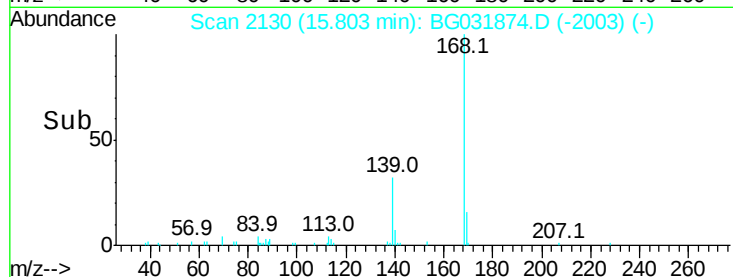
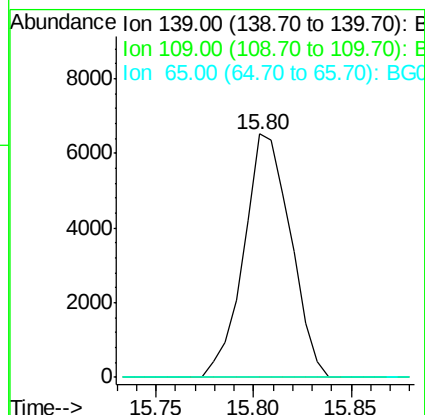
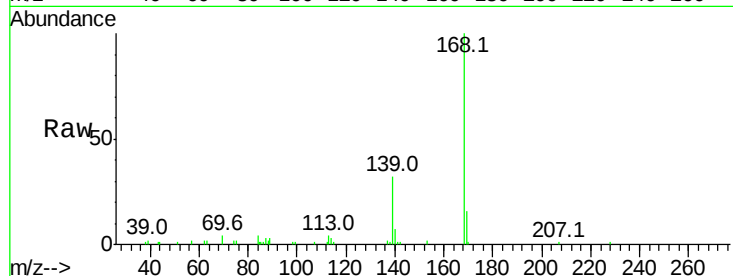




#55
4-Nitrophenol
Concen: 6.107 ng
RT: 15.80 min Scan# 2130
Delta R.T. 0.22 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

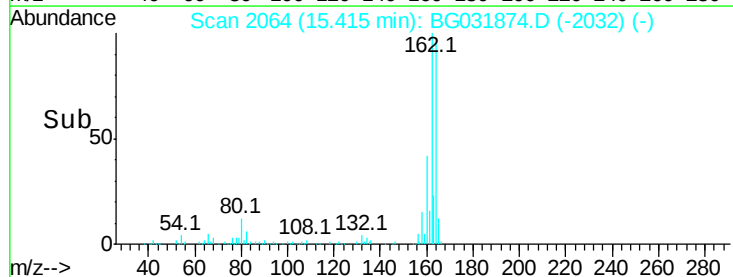
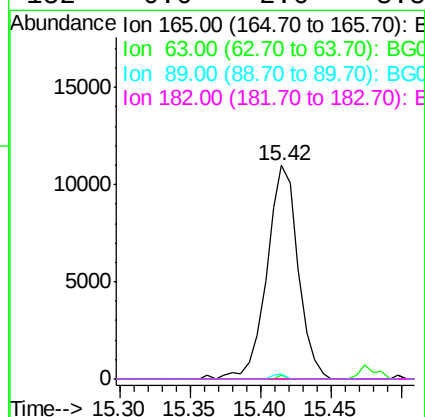
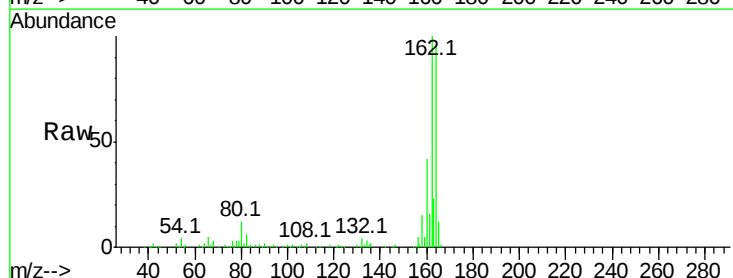
Instrument :
BNA_G
ClientSampleId :

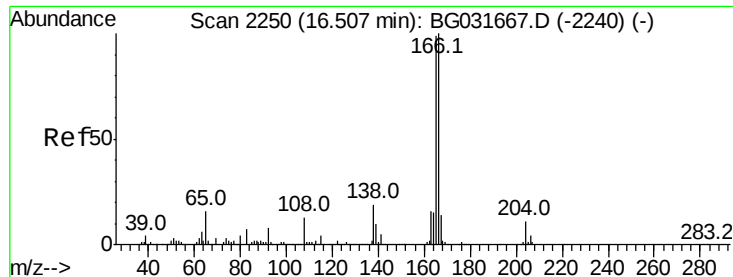
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



#56
2,4-Dinitrotoluene
Concen: 5.953 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031874.D
Acq: 2 Jan 2018 16:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#

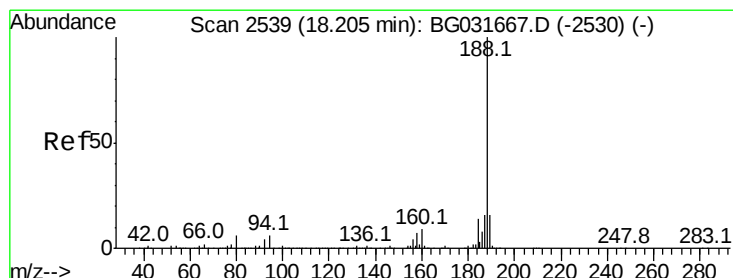
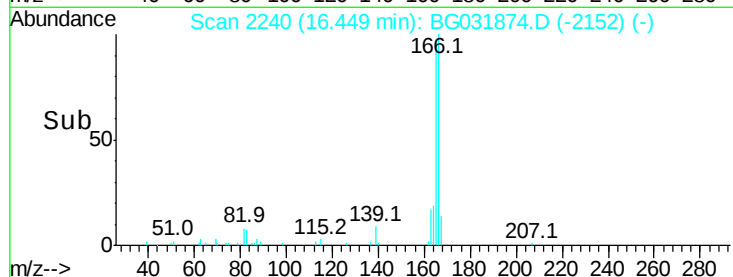
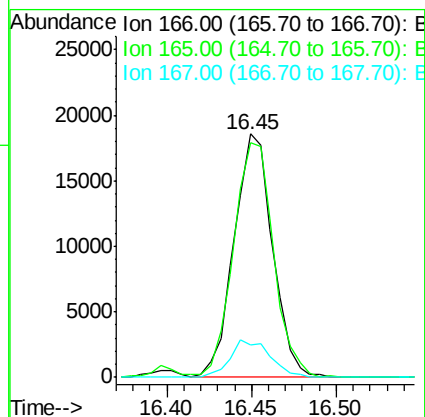
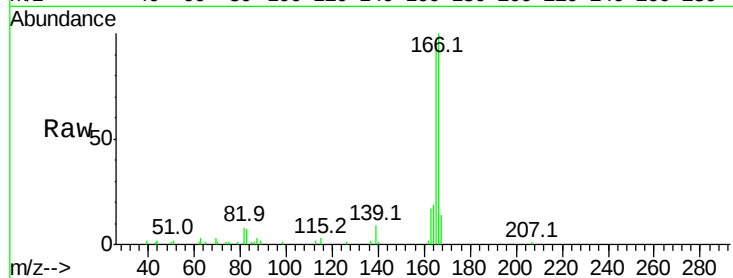




#57
Fluorene
 Concen: 2.528 ng
 RT: 16.45 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BG031874.D
 Acq: 2 Jan 2018 16:46

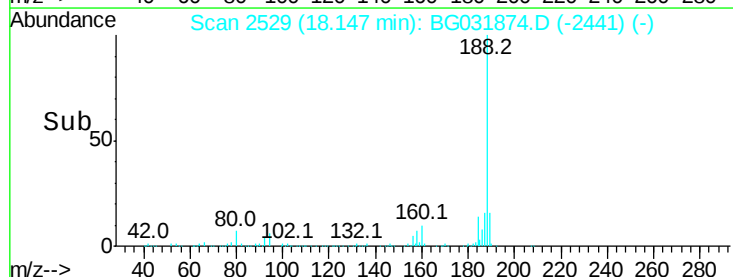
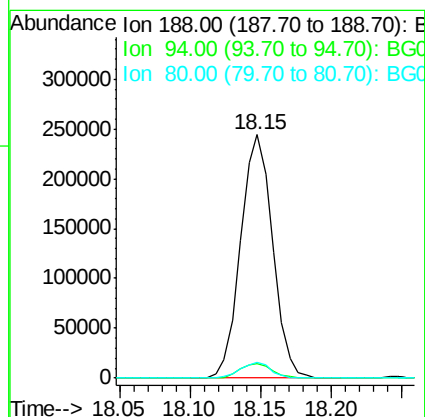
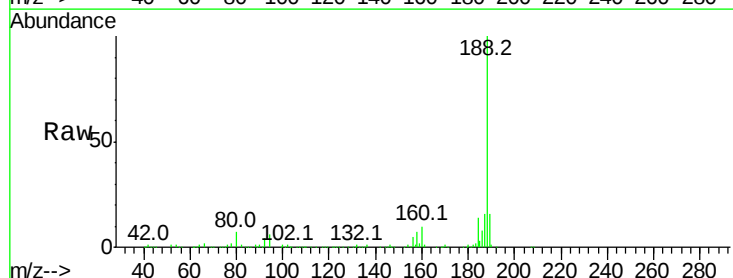
Instrument :
 BNA_G
 ClientSampleId :

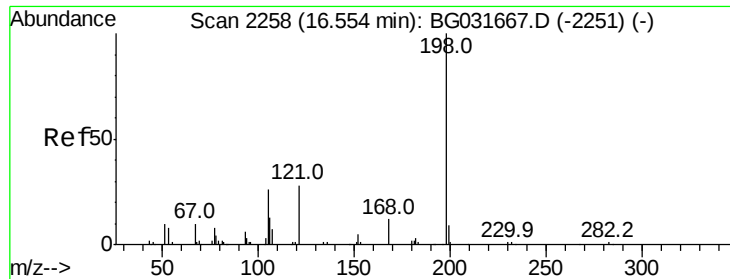
Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	80.6	121.0
167	13.5	10.4	15.6



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.15 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG031874.D
 Acq: 2 Jan 2018 16:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	6.5	7.7	11.5#

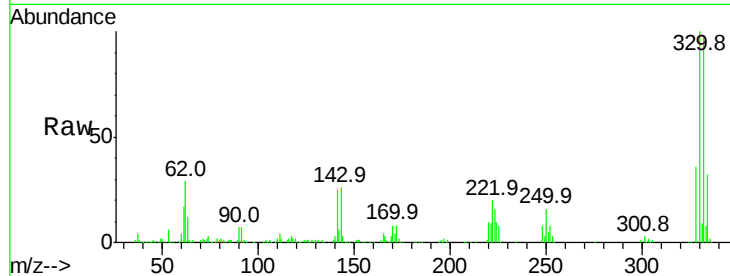




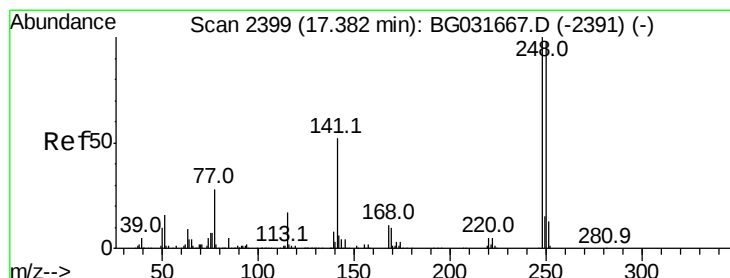
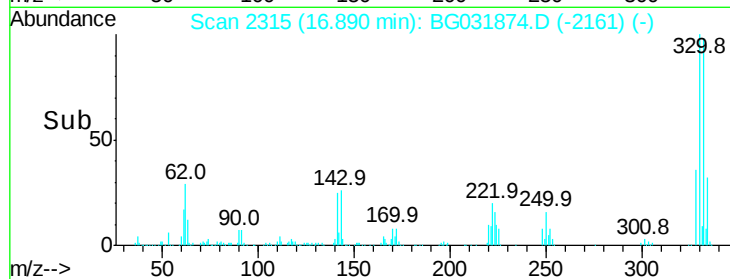
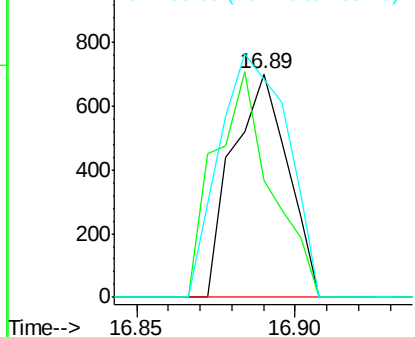
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.678 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. 0.38 min
 Lab File: BG031874.D
 Acq: 2 Jan 2018 16:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 846
 Ion Ratio Lower Upper
 198 100
 51 52.4 30.6 70.6
 105 97.4 23.8 63.8#

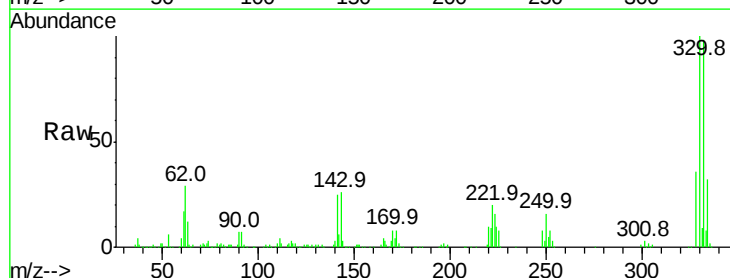


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

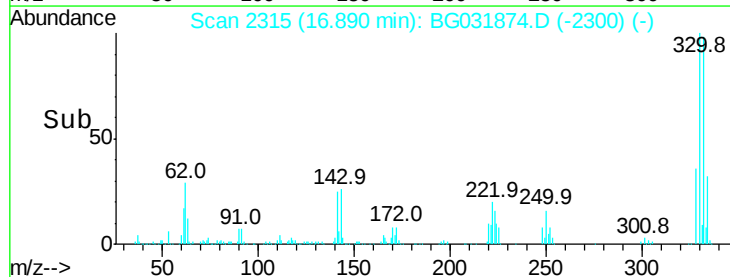
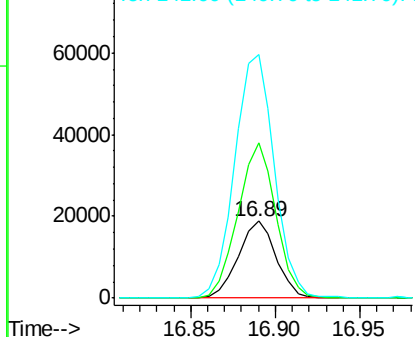


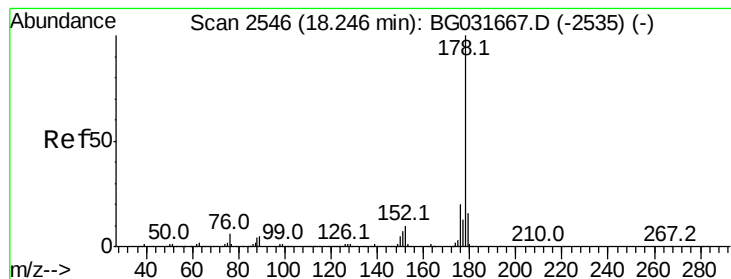
#66
 4-Bromophenyl-phenylether
 Concen: 5.235 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.44 min
 Lab File: BG031874.D
 Acq: 2 Jan 2018 16:46

Tgt Ion:248 Resp: 29277
 Ion Ratio Lower Upper
 248 100
 250 202.4 77.1 115.7#
 141 317.9 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





#70

Phenanthrene

Concen: 2.509 ng

RT: 18.19 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

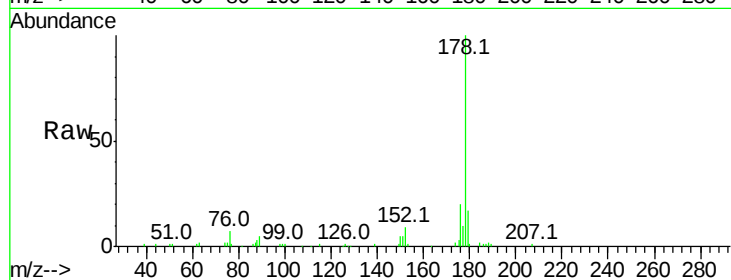
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 54906

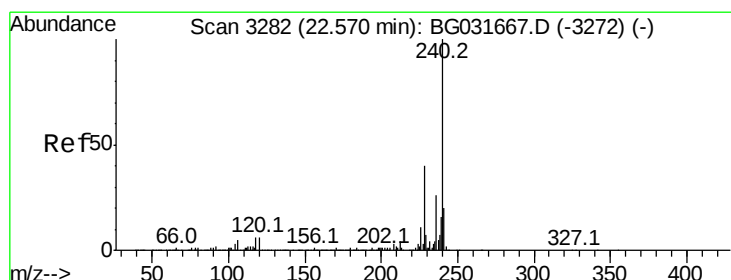
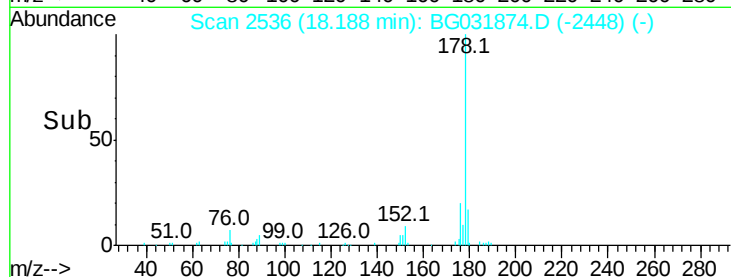
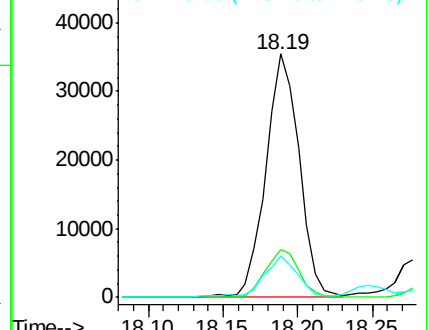
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	17.2	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.49 min Scan# 3268

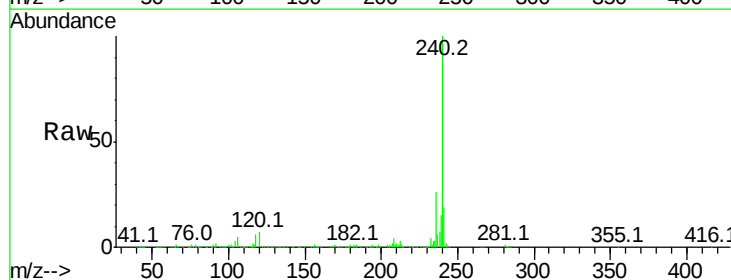
Delta R.T. -0.02 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

Tgt Ion:240 Resp: 469215

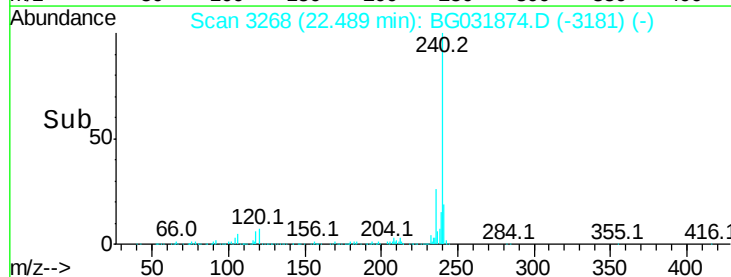
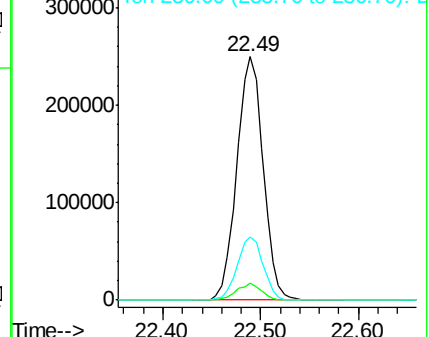
Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.8	10.2
236	26.0	20.9	31.3

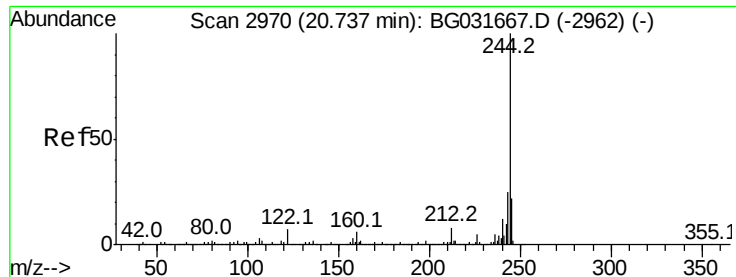


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 100.752 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

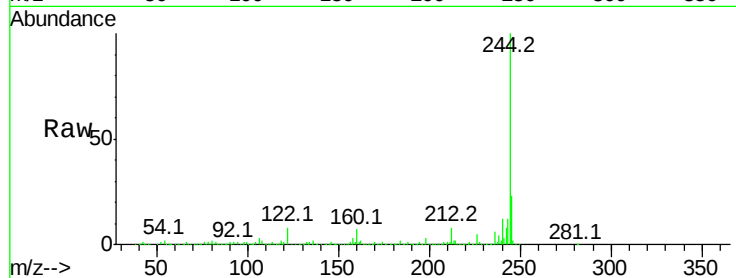
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2069225

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	7.9	7.0	10.4

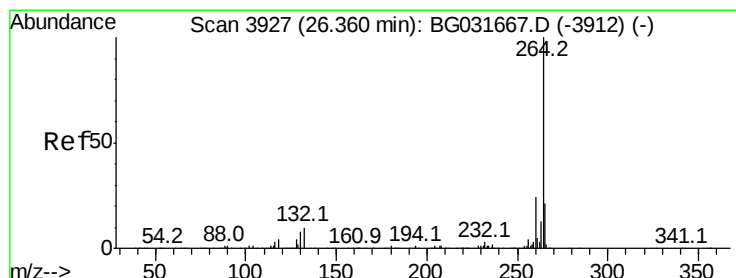
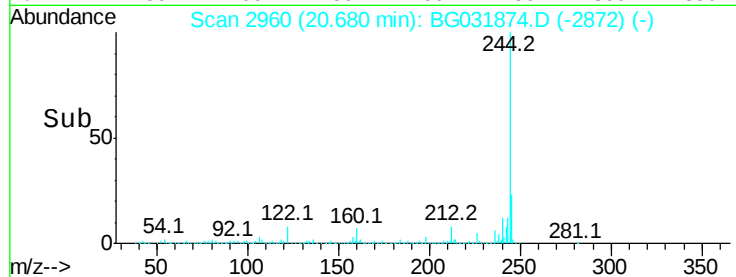
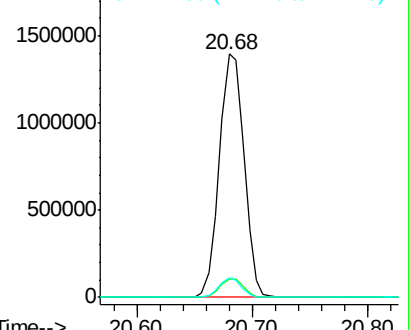


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.22 min Scan# 3903

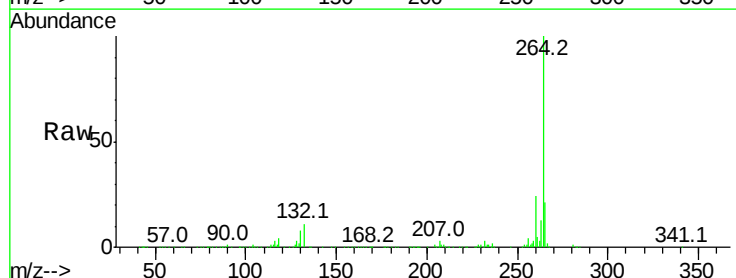
Delta R.T. -0.03 min

Lab File: BG031874.D

Acq: 2 Jan 2018 16:46

Tgt Ion:264 Resp: 485678

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.4	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

