

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032163.D
 Acq On : 19 Jan 2018 22:14
 Operator : SJ/JU
 Sample : J1205-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 20 01:01:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

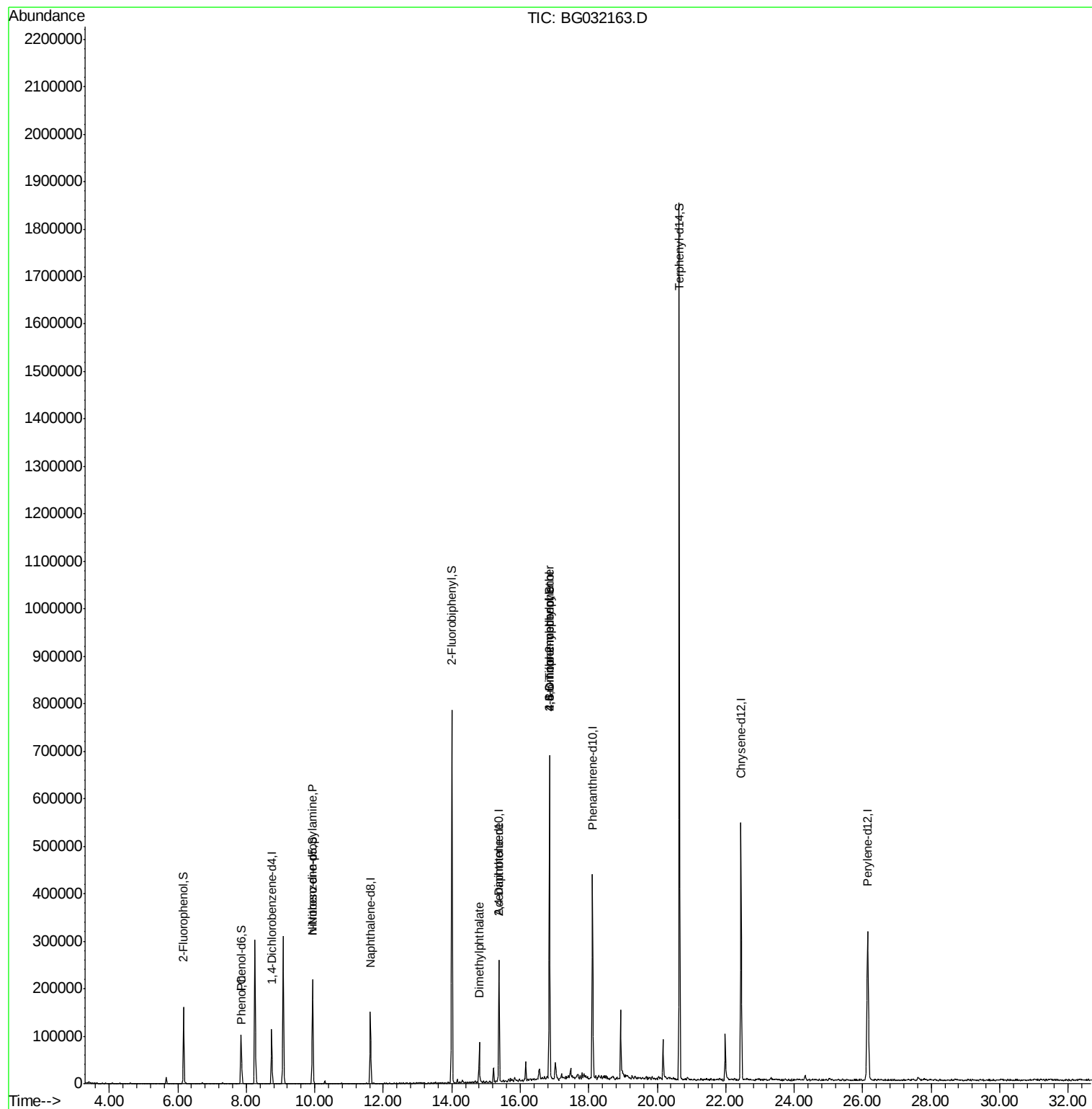
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	38781	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	150024	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	101263	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	287392	20.00	ng	0.00
75) Chrysene-d12	22.45	240	413297	20.00	ng	0.00
86) Perylene-d12	26.15	264	429775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	84472	39.84	ng	0.00
7) Phenol-d6	7.85	99	63481	23.77	ng	0.00
23) Nitrobenzene-d5	9.94	82	136211	61.43	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	151815	90.60	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	469791	57.53	ng	0.00
78) Terphenyl-d14	20.64	244	1017212	54.34	ng	0.00
Target Compounds						
10) Phenol	7.88	94	12970	4.930	ng	93
19) n-Nitroso-di-n-propylamine	9.94	70	19103	11.529	ng	# 75
49) Dimethylphthalate	14.80	163	58831	6.639	ng	# 97
56) 2,4-Dinitrotoluene	15.37	165	13791	5.569	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.85	198	527	5.142	ng	# 1
66) 4-Bromophenyl-phenylether	16.85	248	12236	2.992	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. 0.00 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

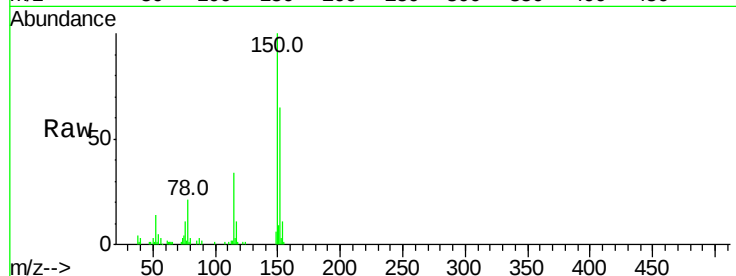
Tot Ion:152 Resp: 38781

Ion Ratio Lower Upper

152 100

150 154.0 126.6 189.8

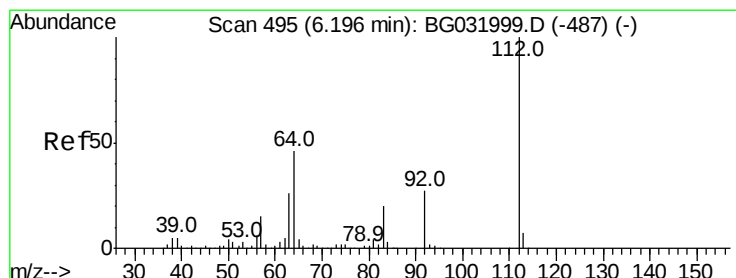
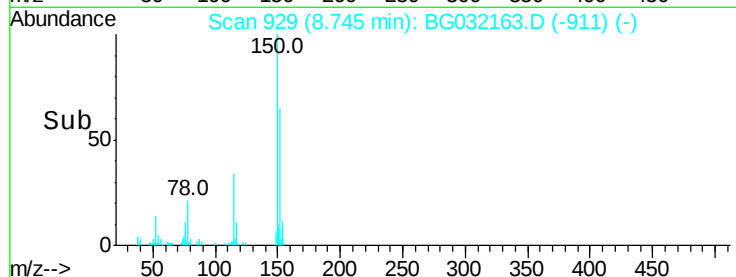
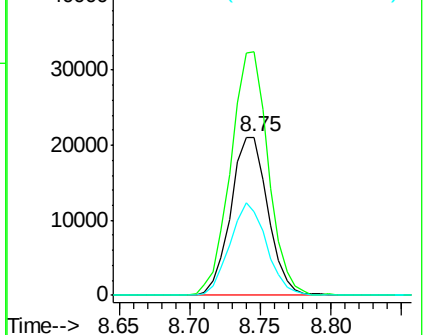
115 52.6 53.0 79.4#



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: 39.837 ng

RT: 6.17 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

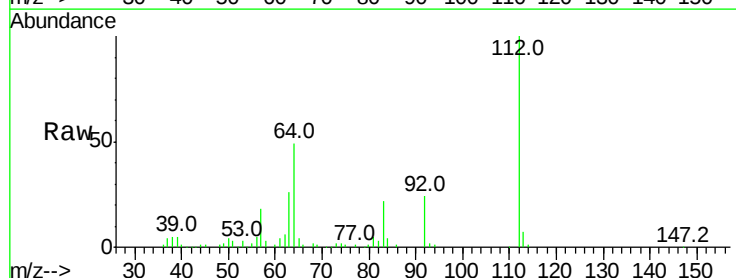
Tgt Ion:112 Resp: 84472

Ion Ratio Lower Upper

112 100

64 48.5 56.3 84.5#

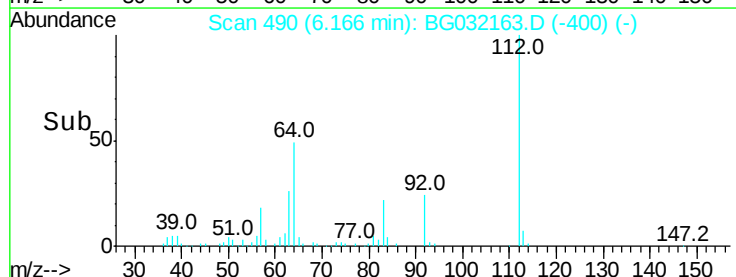
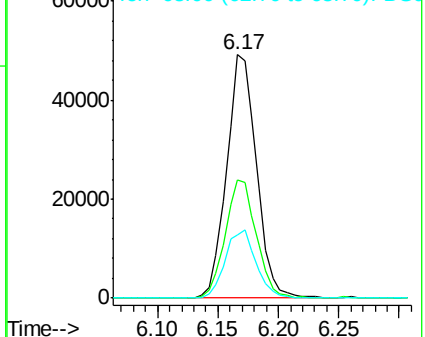
63 25.7 30.1 45.1#



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: 23.771 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

Instrument :

BNA_G

ClientSampled :

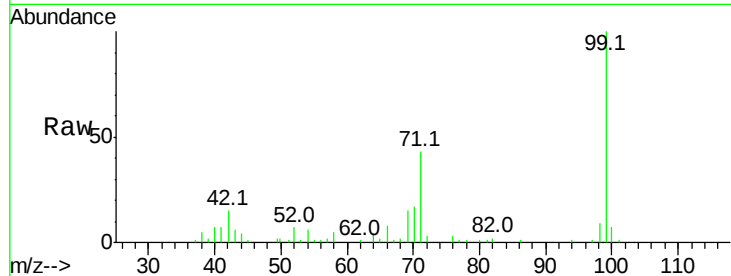
Tot Ion: 99 Resp: 63481

Ion Ratio Lower Upper

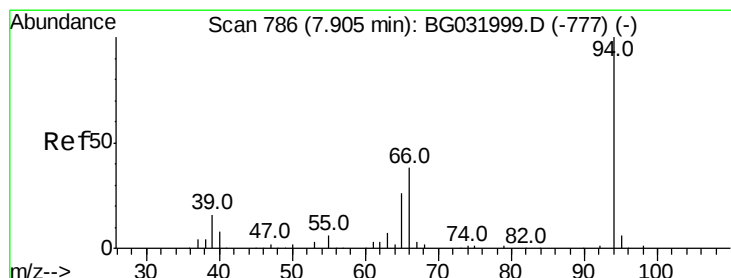
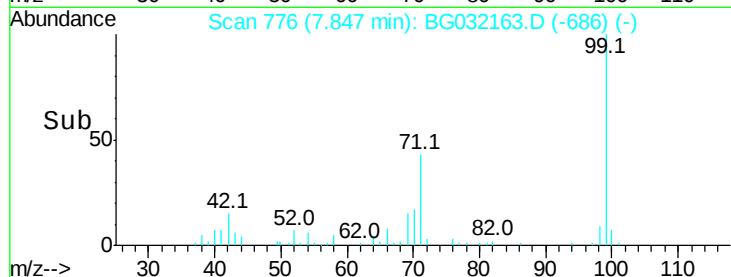
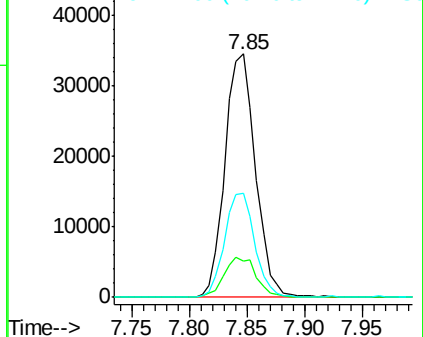
99 100

42 14.8 14.1 21.1

71 42.7 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



#10

Phenol

Concen: 4.930 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.00 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

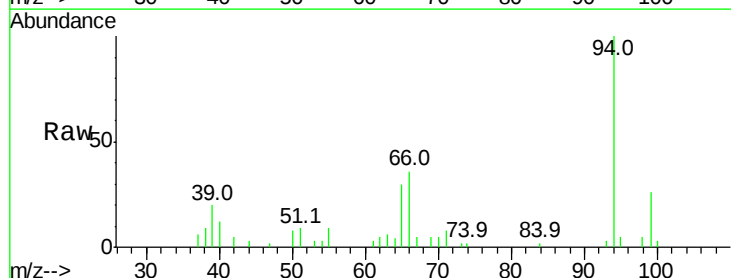
Tgt Ion: 94 Resp: 12970

Ion Ratio Lower Upper

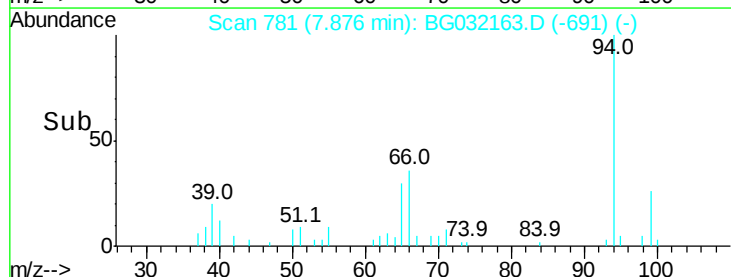
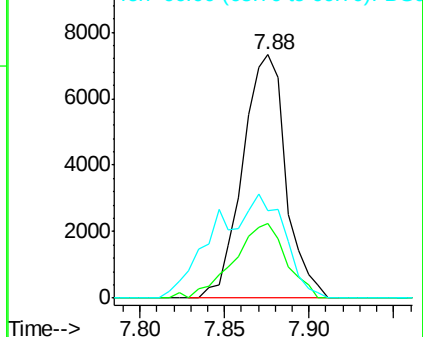
94 100

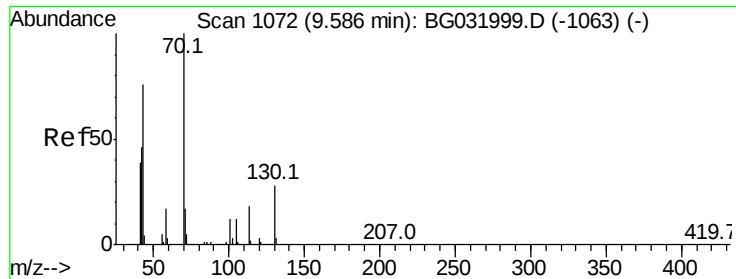
65 30.4 11.9 51.9

66 35.7 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

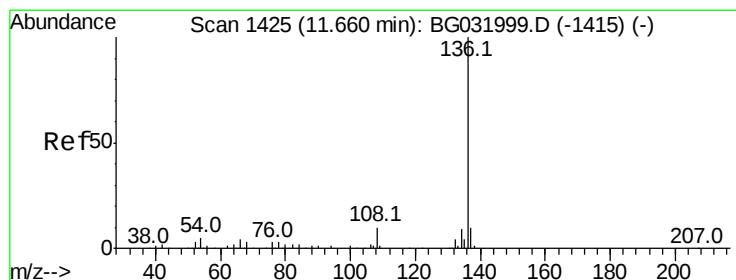
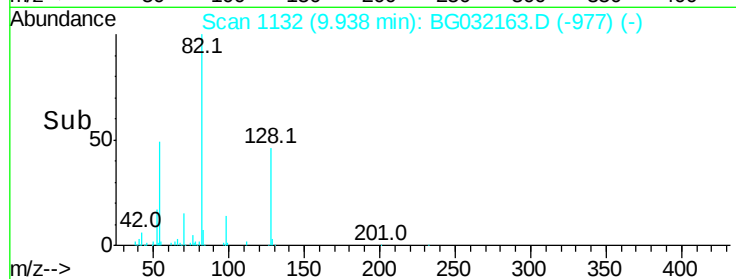
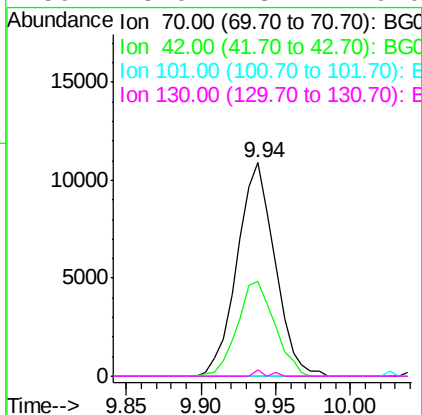
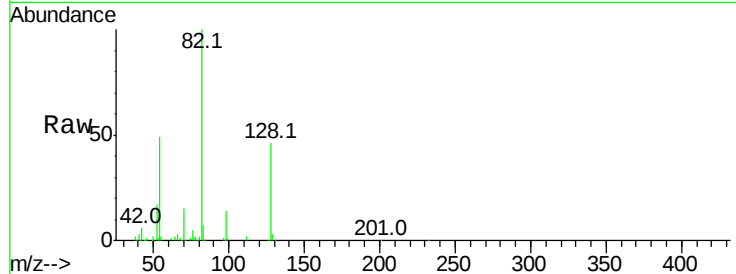




#19
n-Nitroso-di-n-propylamine
Concen: 11.529 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032163.D
Acq: 19 Jan 2018 22:14

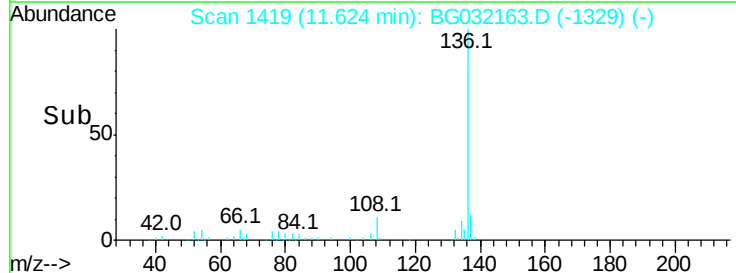
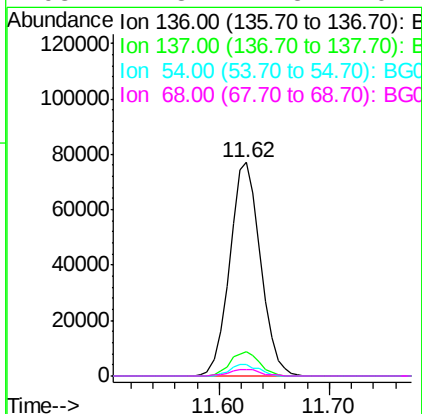
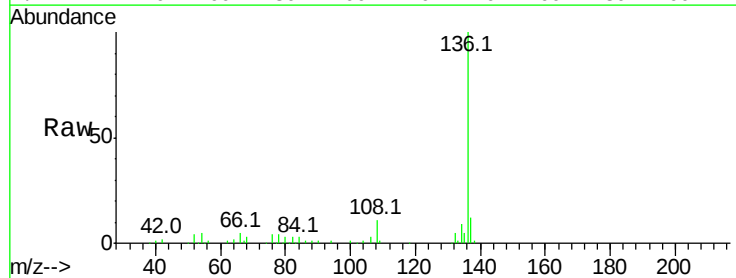
Instrument :
BNA_G
ClientSampleId :

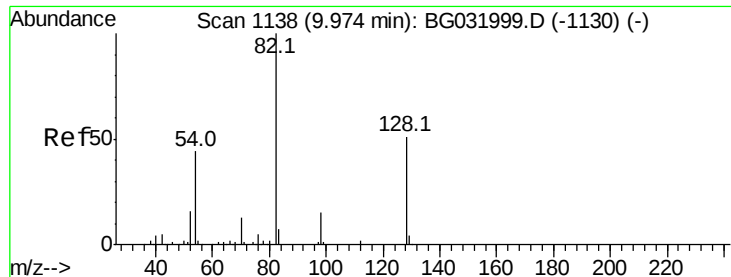
Tot Ion:	70	Resp:	19103
Ion	Ratio	Lower	Upper
70	100		
42	44.2	49.1	73.7#
101	0.0	8.5	12.7#
130	3.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032163.D
Acq: 19 Jan 2018 22:14

Tgt Ion:	136	Resp:	150024
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	5.3	10.3	15.5#
68	2.8	4.5	6.7#

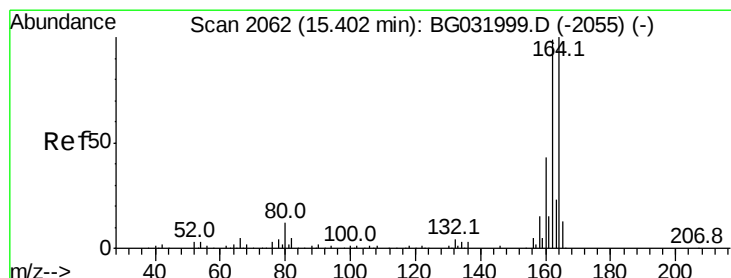
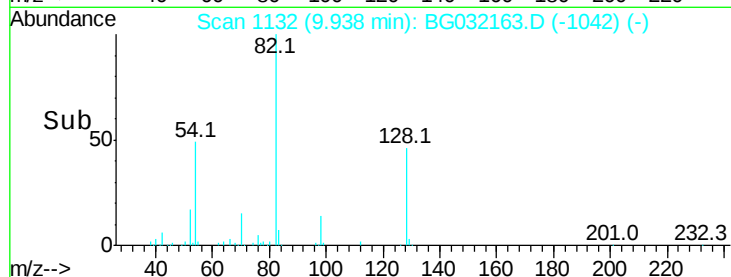
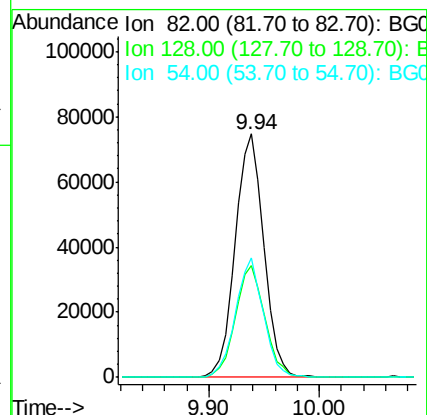
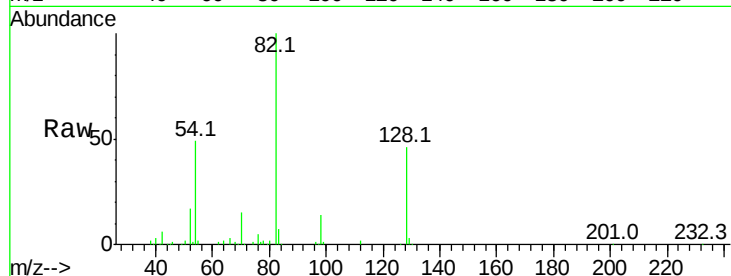




#23
Nitrobenzene-d5
Concen: 61.425 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032163.D
Acq: 19 Jan 2018 22:14

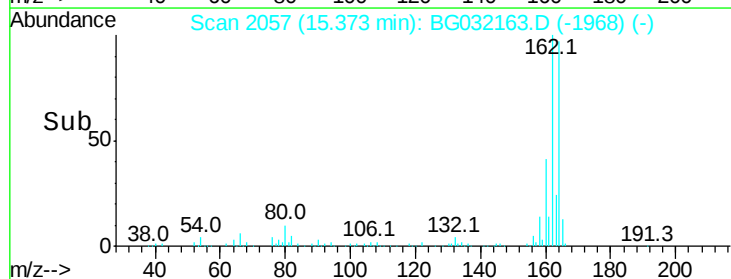
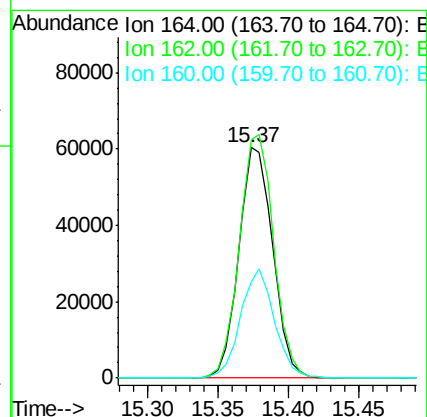
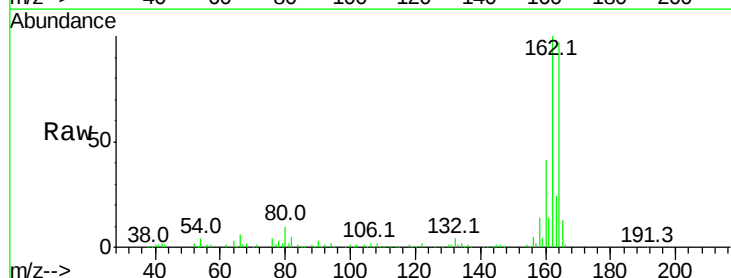
Instrument :
BNA_G
ClientSampleId :

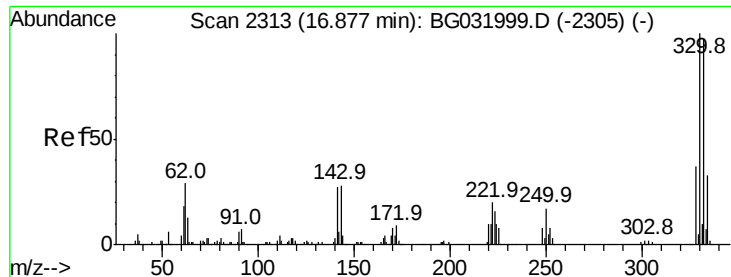
Tot Ion: 82 Resp: 136211
Ion Ratio Lower Upper
82 100
128 45.8 29.7 44.5#
54 48.8 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032163.D
Acq: 19 Jan 2018 22:14

Tgt Ion:164 Resp: 101263
Ion Ratio Lower Upper
164 100
162 103.2 78.8 118.2
160 42.1 35.4 53.0

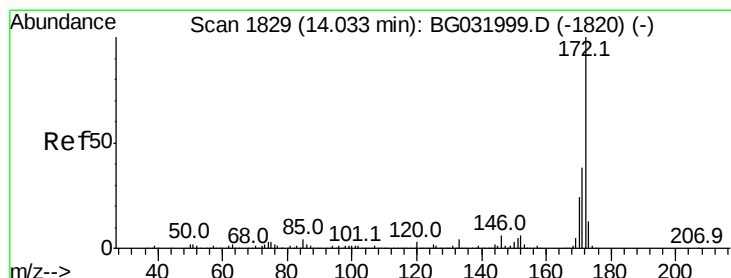
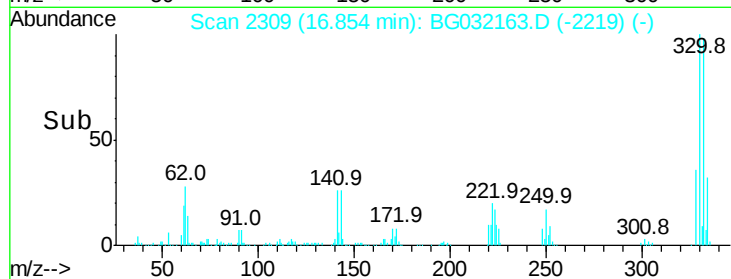
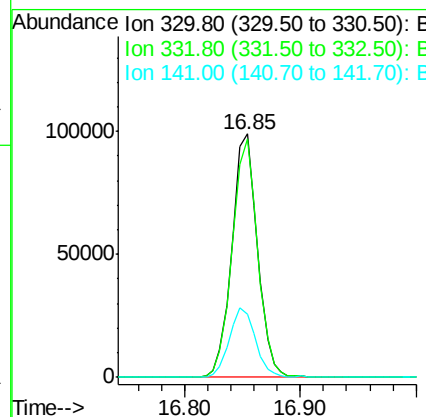
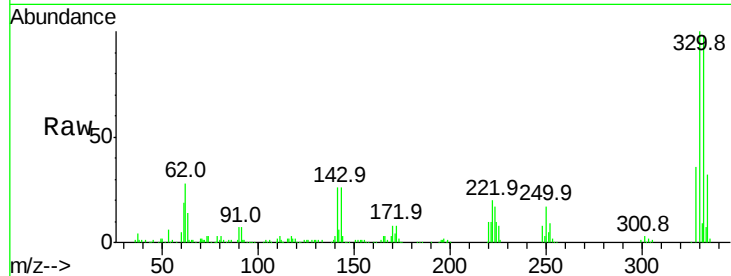




#41
 2,4,6-Tribromophenol
 Concen: 90.600 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032163.D
 Acq: 19 Jan 2018 22:14

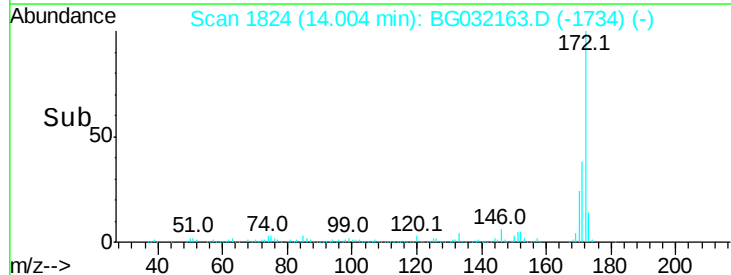
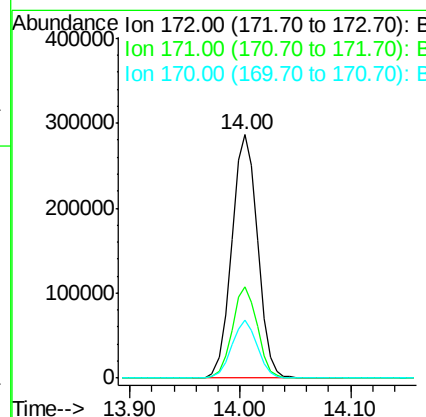
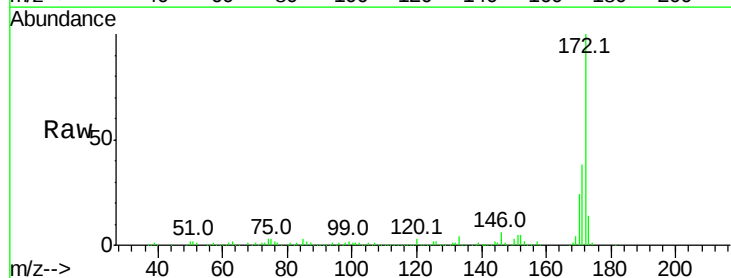
Instrument :
 BNA_G
 ClientSampled :

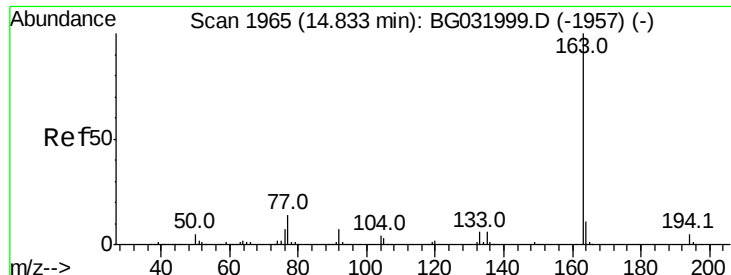
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	29.7	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 57.525 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032163.D
 Acq: 19 Jan 2018 22:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	23.7	19.5	29.3





#49

Dimethylphthalate

Concen: 6.639 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

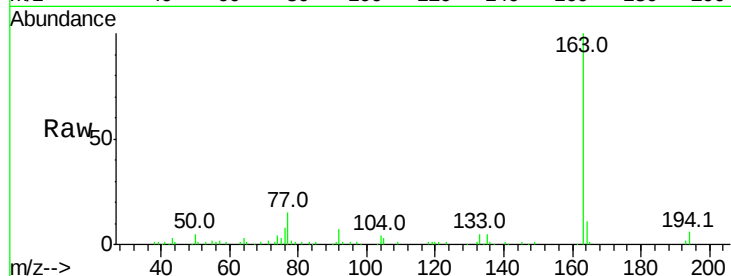
Tot Ion:163 Resp: 58831

Ion Ratio Lower Upper

163 100

194 6.2 3.4 5.2#

164 11.0 8.2 12.4



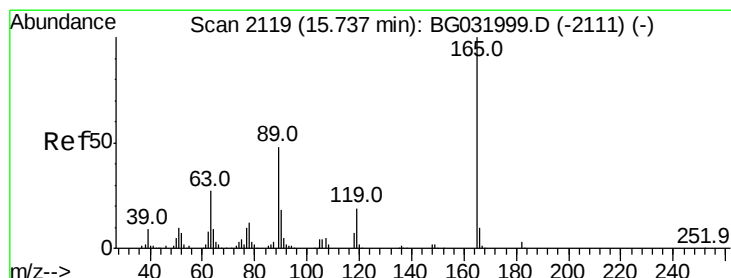
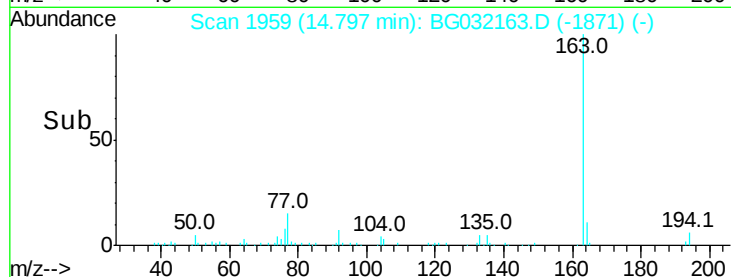
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

14.80

Time--> 14.70 14.75 14.80 14.85



#56

2,4-Dinitrotoluene

Concen: 5.569 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.34 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

Tgt Ion:165 Resp: 13791

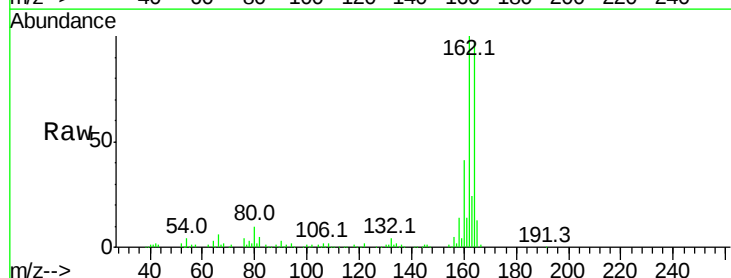
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.2 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

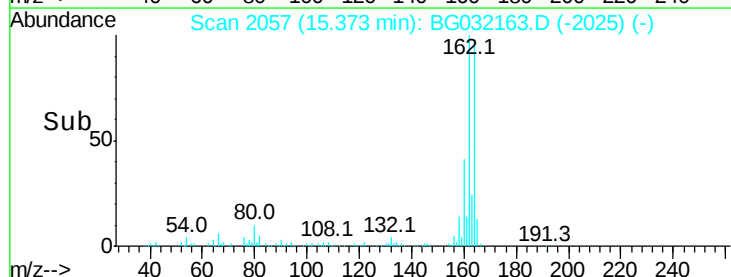
Ion 63.00 (62.70 to 63.70): BGC

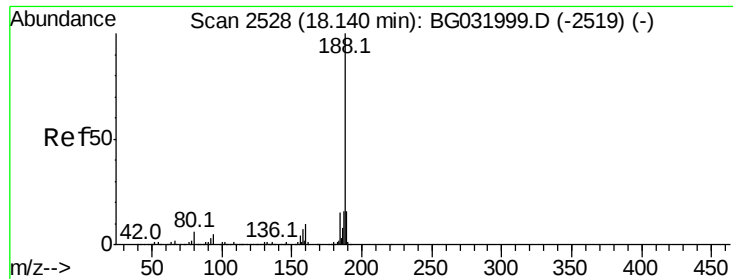
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.37

Time--> 15.30 15.35 15.40





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

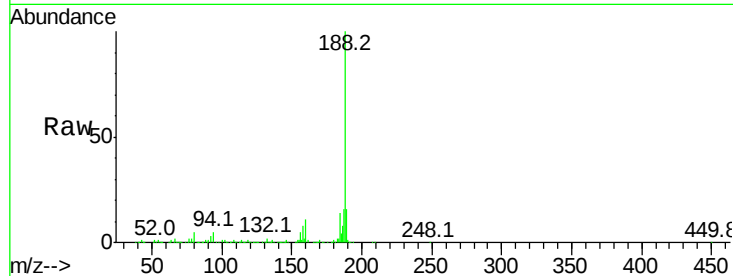
Tot Ion:188 Resp: 287392

Ion Ratio Lower Upper

188 100

94 4.8 6.9 10.3#

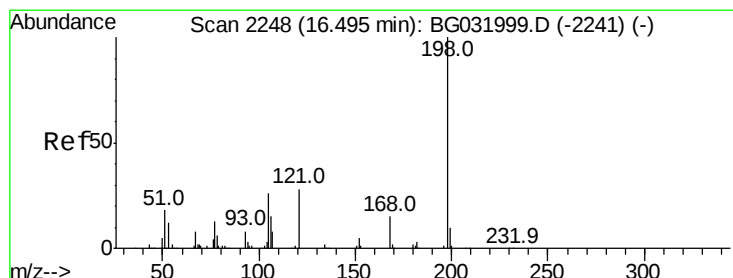
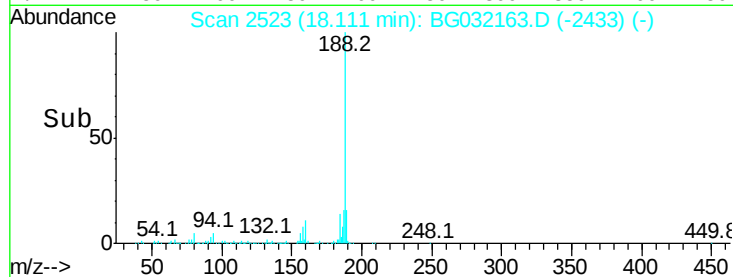
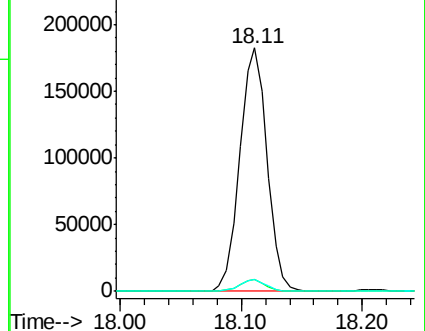
80 4.8 7.7 11.5#



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: 5.142 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.37 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

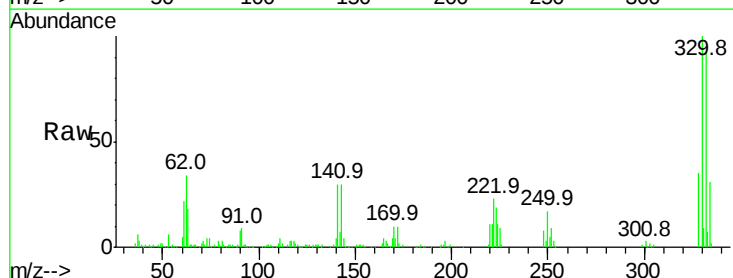
Tgt Ion:198 Resp: 527

Ion Ratio Lower Upper

198 100

51 78.1 30.6 70.6#

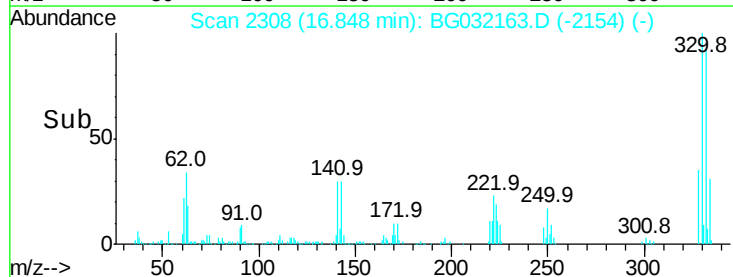
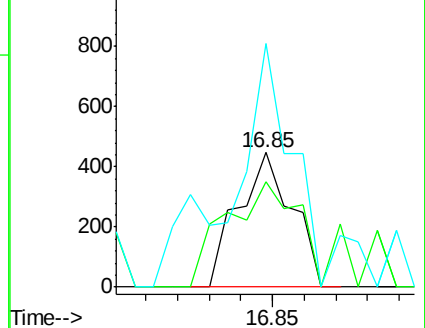
105 180.6 23.8 63.8#

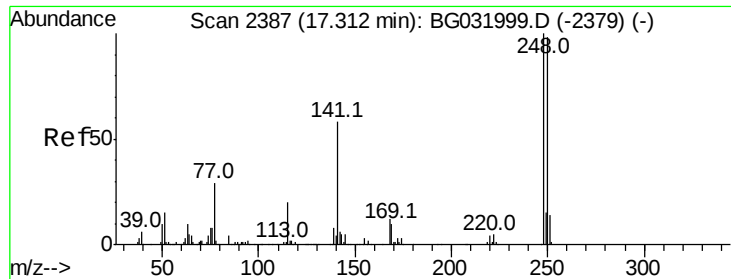


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

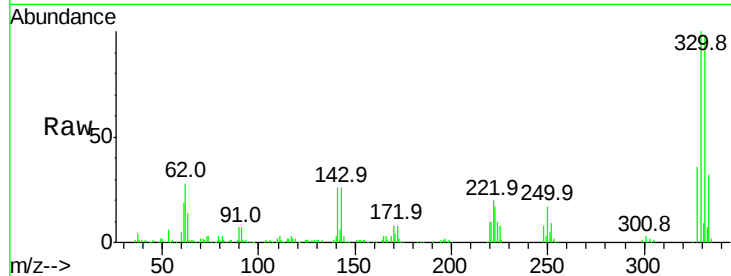




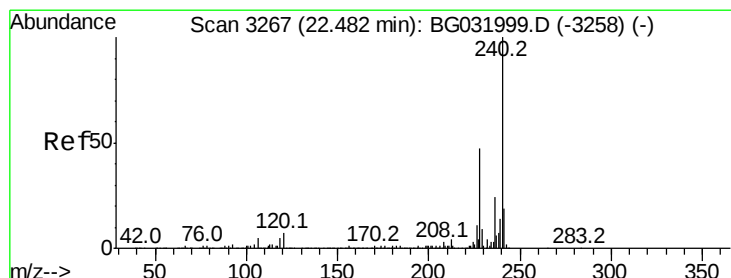
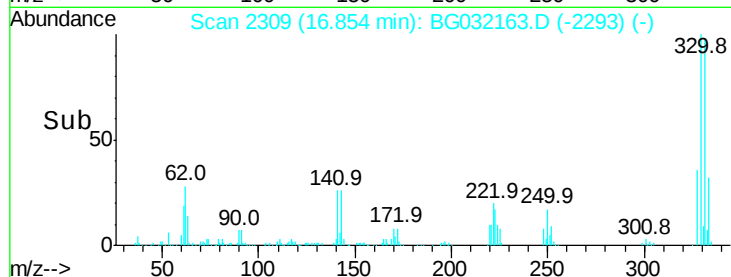
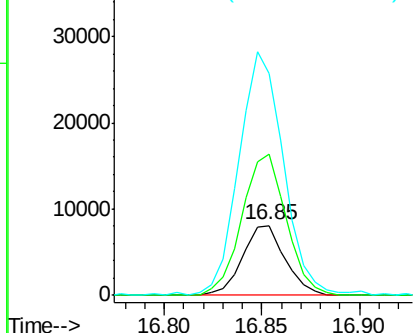
#66
4-Bromophenyl-phenylether
Concen: 2.992 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032163.D
Acq: 19 Jan 2018 22:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12236
Ion Ratio Lower Upper
248 100
250 202.3 77.1 115.7#
141 318.2 50.8 76.2#

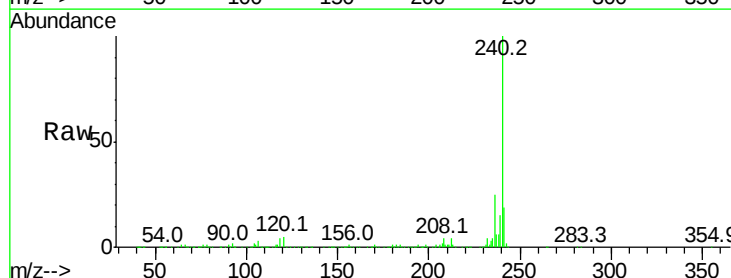


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

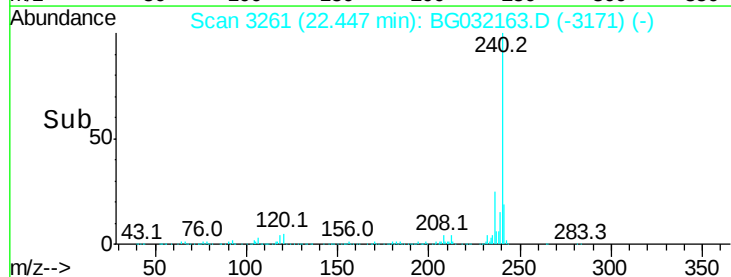
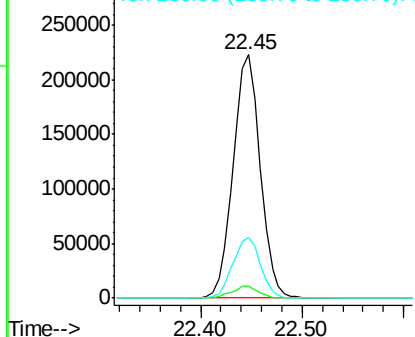


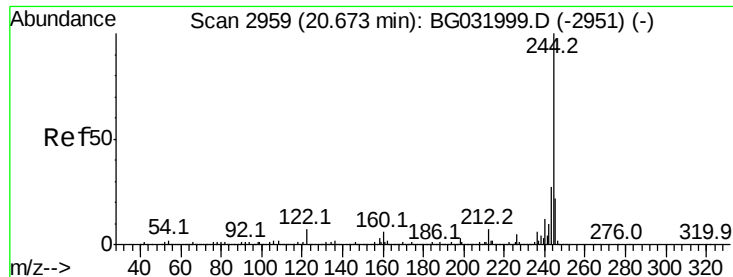
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.00 min
Lab File: BG032163.D
Acq: 19 Jan 2018 22:14

Tgt Ion:240 Resp: 413297
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 25.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 54.345 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

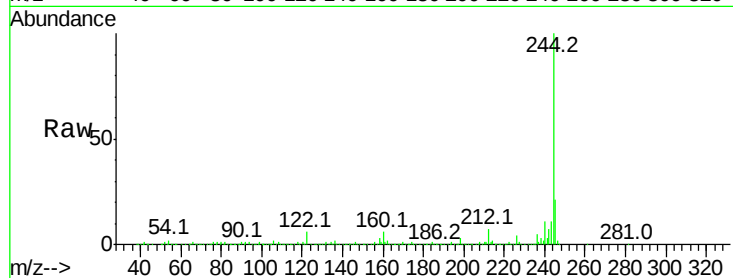
Tot Ion:244 Resp: 1017212

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

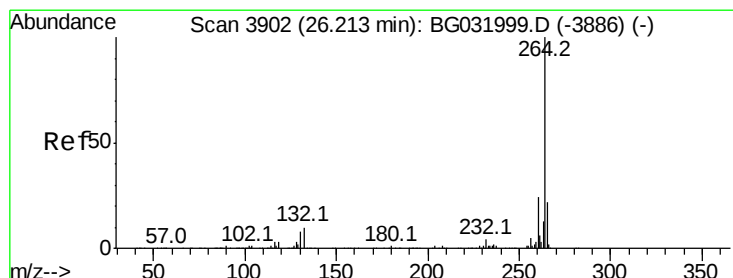
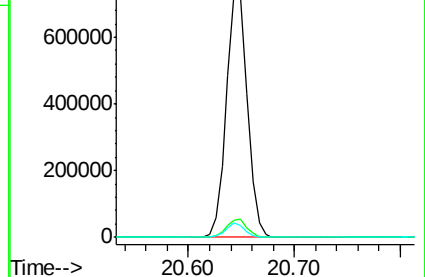
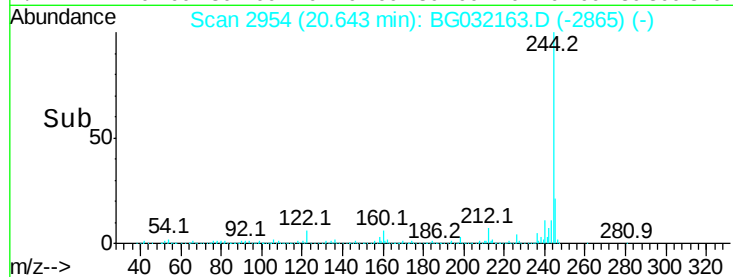
122 5.8 7.0 10.4#



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# 3891

Delta R.T. -0.00 min

Lab File: BG032163.D

Acq: 19 Jan 2018 22:14

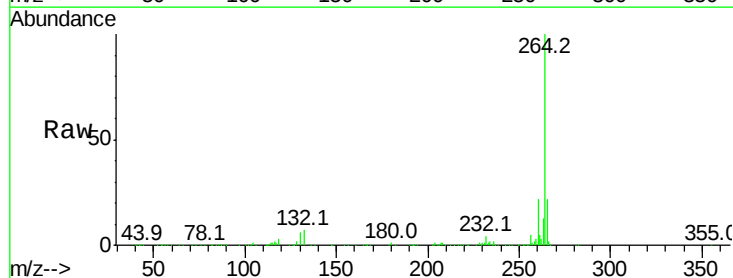
Tgt Ion:264 Resp: 429775

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 21.6 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

