

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032311.D
 Acq On : 26 Jan 2018 2:11
 Operator : SJ/JU
 Sample : PB105983BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 03:14:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

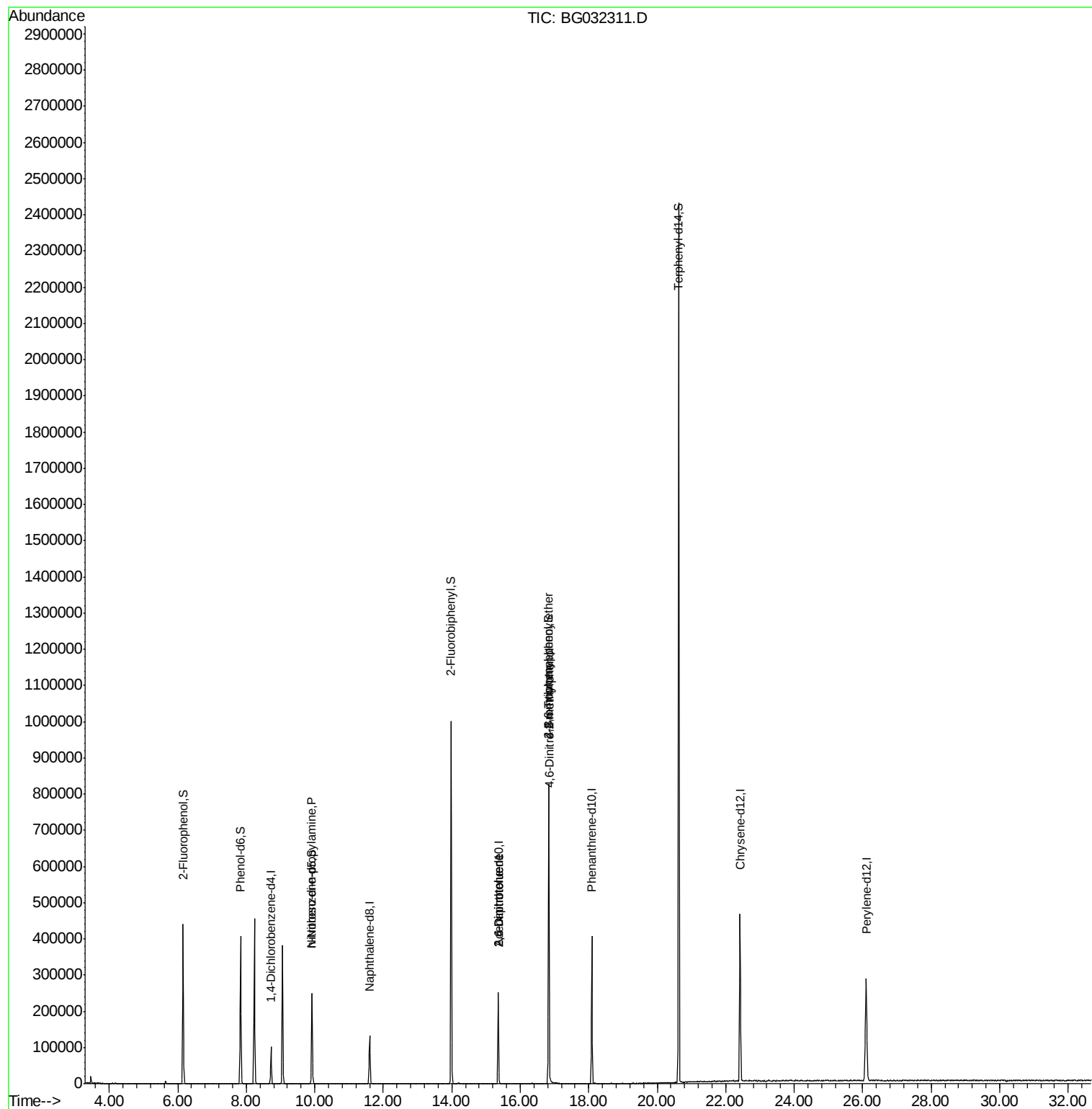
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	32911	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	128967	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	94554	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	279087	20.00	ng	0.00
75) Chrysene-d12	22.42	240	354501	20.00	ng	0.00
86) Perylene-d12	26.10	264	376599	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	206783	114.91	ng	0.00
7) Phenol-d6	7.84	99	249451	110.07	ng	0.00
23) Nitrobenzene-d5	9.92	82	157680	82.72	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	184465	117.90	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	580569	76.13	ng	0.00
78) Terphenyl-d14	20.63	244	1285583	80.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.92	70	22773	16.195	ng	# 80
50) 2,6-Dinitrotoluene	15.36	165	12379	7.208	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	12379	5.354	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	539	5.155	ng	91
66) 4-Bromophenyl-phenylether	16.83	248	15479	3.898	ng	# 1

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

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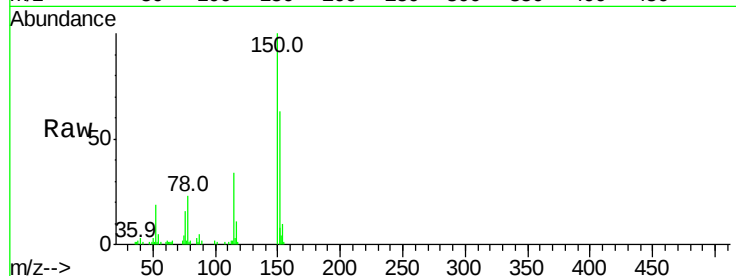


#1

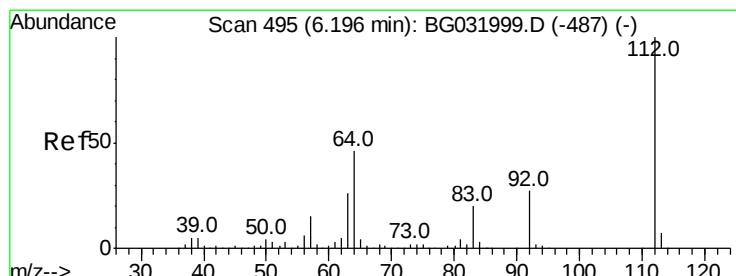
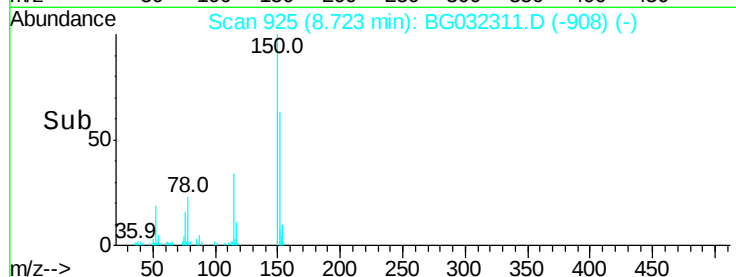
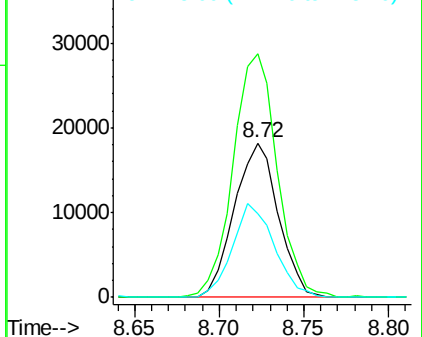
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. -0.00 min
Lab File: BG032311.D
Acq: 26 Jan 2018 2:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.6	189.8
115	54.1	53.0	79.4



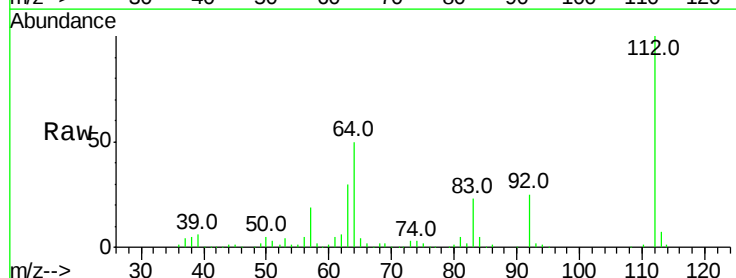
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



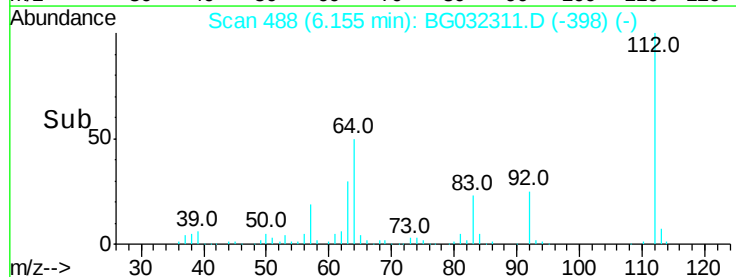
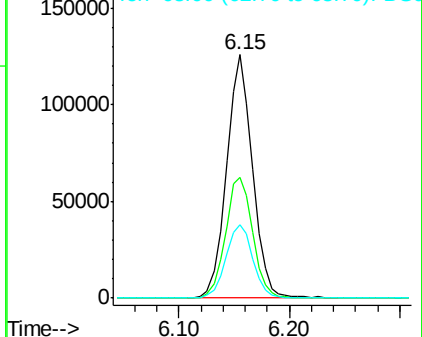
#5

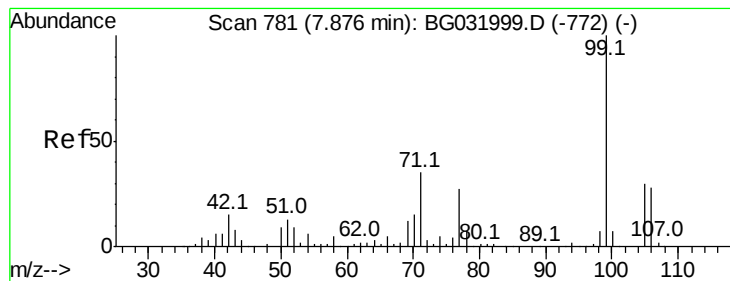
2-Fluorophenol
Concen: 114.914 ng
RT: 6.15 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG032311.D
Acq: 26 Jan 2018 2:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.7	56.3	84.5#
63	30.2	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.069 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

Instrument :

BNA_G

ClientSampleId :

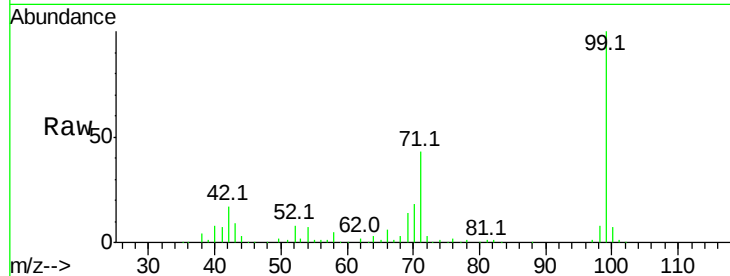
Tot Ion: 99 Resp: 249451

Ion Ratio Lower Upper

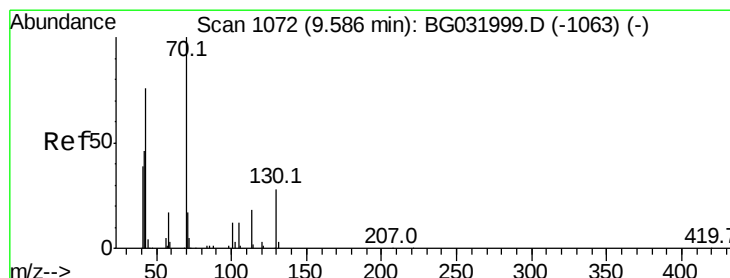
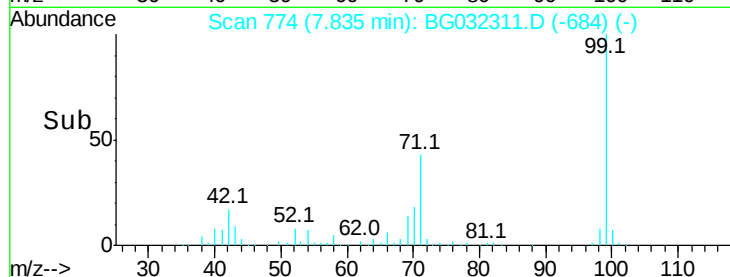
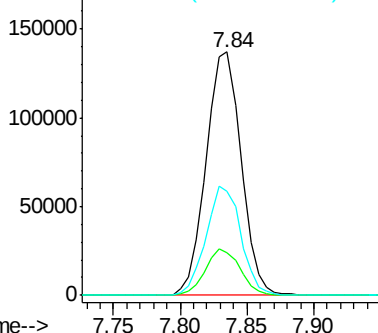
99 100

42 17.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.195 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

Tgt Ion: 70 Resp: 22773

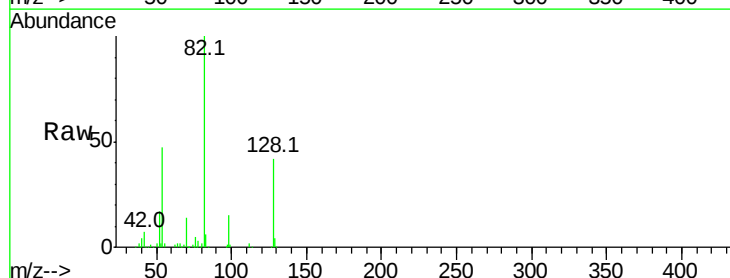
Ion Ratio Lower Upper

70 100

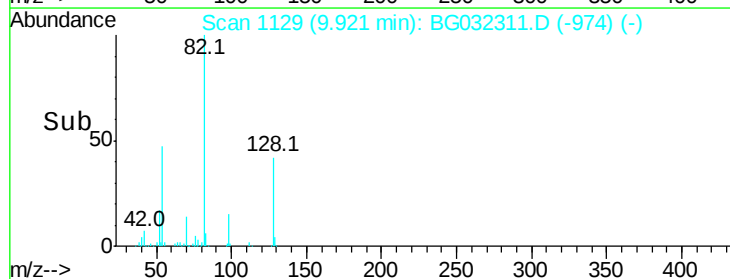
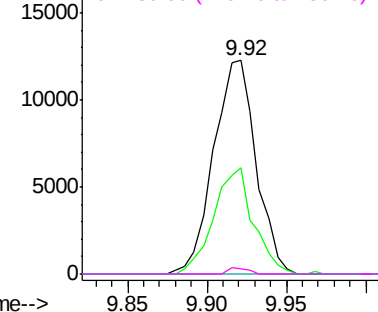
42 49.5 49.1 73.7

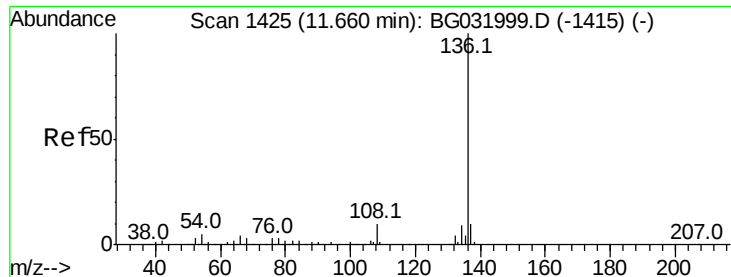
101 0.0 8.5 12.7#

130 2.4 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

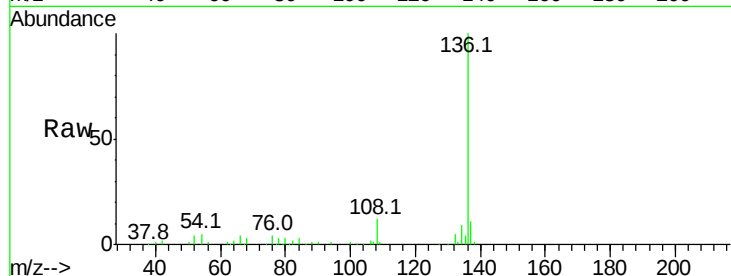




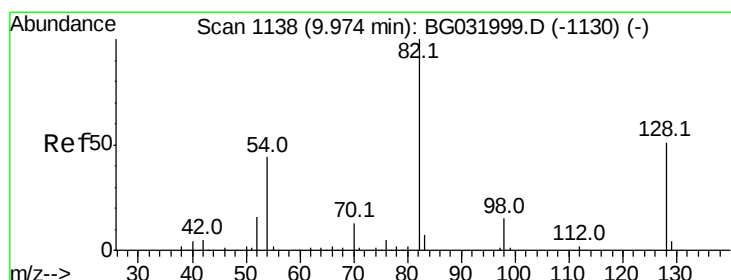
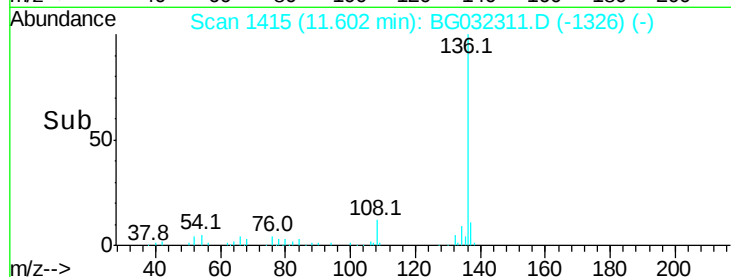
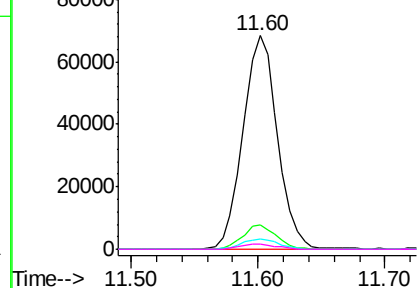
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032311.D
Acq: 26 Jan 2018 2:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	128967
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	4.7	10.3	15.5#
68	2.5	4.5	6.7#

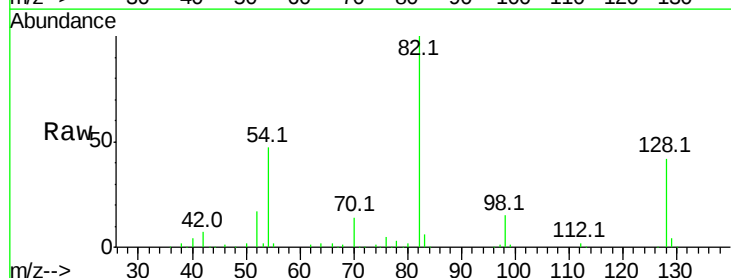


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

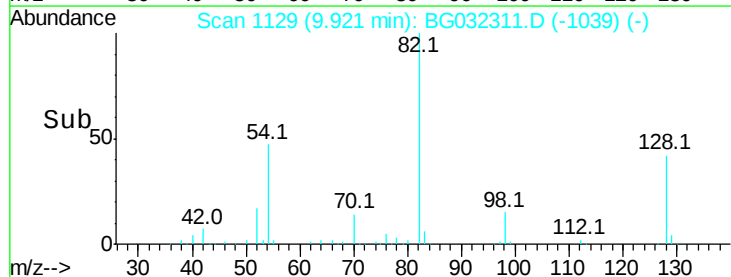
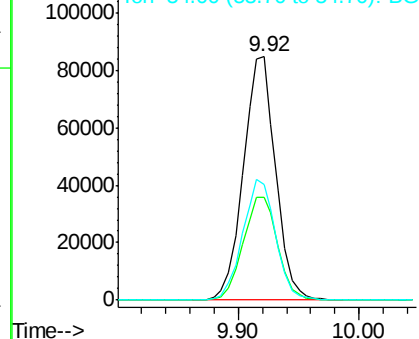


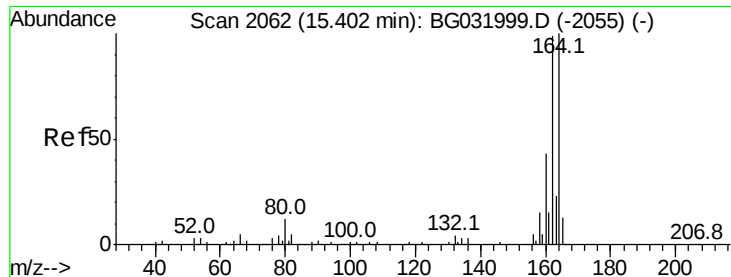
#23
Nitrobenzene-d5
Concen: 82.717 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032311.D
Acq: 26 Jan 2018 2:11

Tgt Ion:	82	Resp:	157680
Ion	Ratio	Lower	Upper
82	100		
128	42.0	29.7	44.5
54	47.3	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

Instrument :

BNA_G

ClientSampleId :

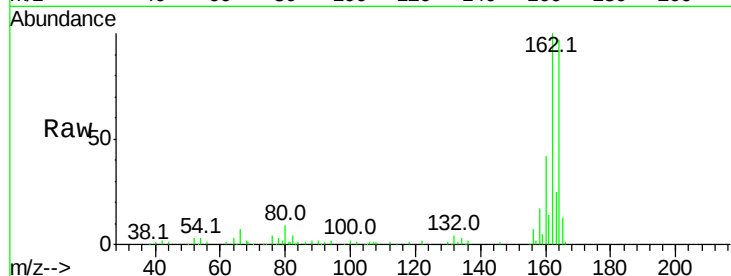
Tot Ion:164 Resp: 94554

Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	43.3	35.4	53.0

164 100

162 103.2 78.8 118.2

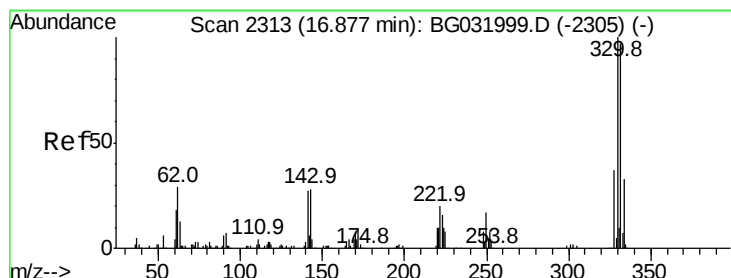
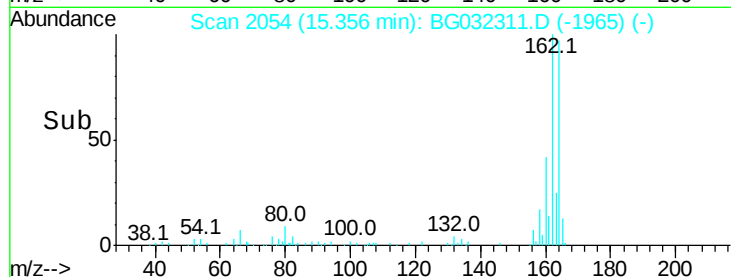
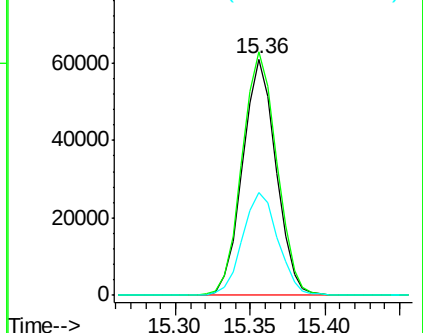
160 43.3 35.4 53.0



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: 117.896 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

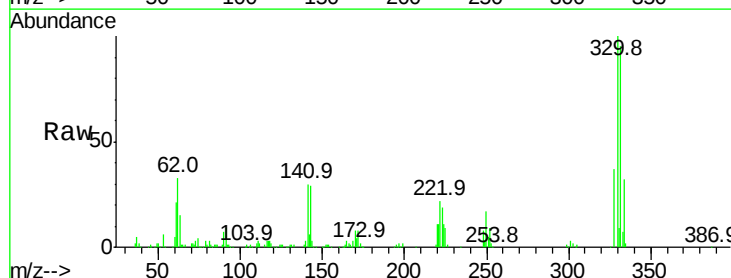
Tgt Ion:330 Resp: 184465

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	30.3	25.2	37.8

330 100

332 98.5 77.0 115.6

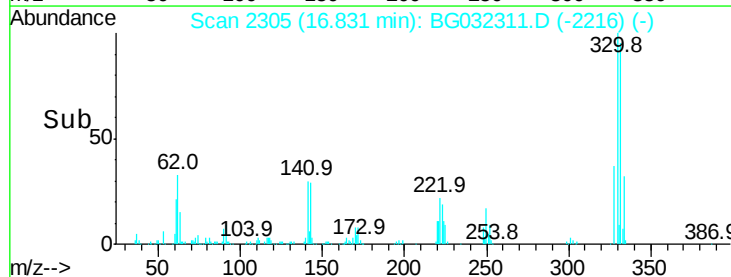
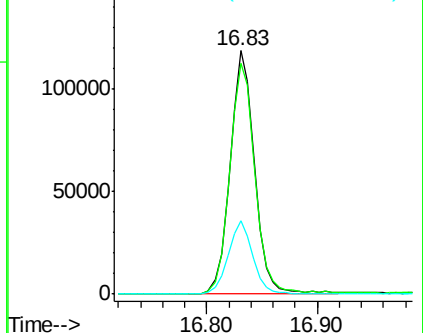
141 30.3 25.2 37.8

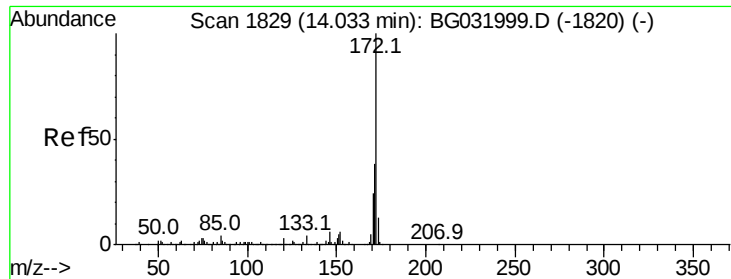


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 76.134 ng

RT: 13.98 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

Instrument :

BNA_G

ClientSampled :

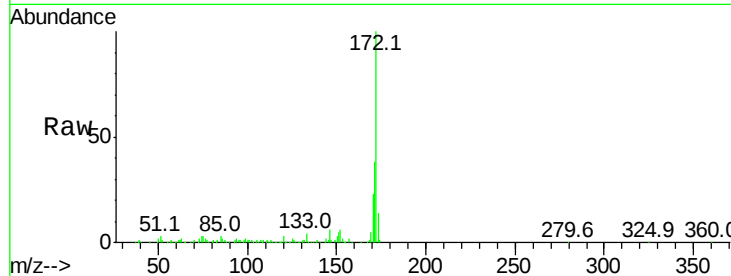
Tot Ion:172 Resp: 580569

Ion Ratio Lower Upper

172 100

171 38.1 30.0 45.0

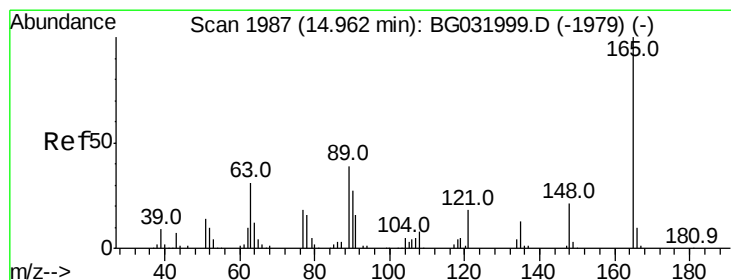
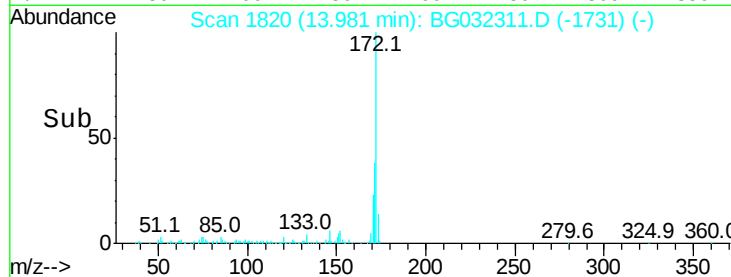
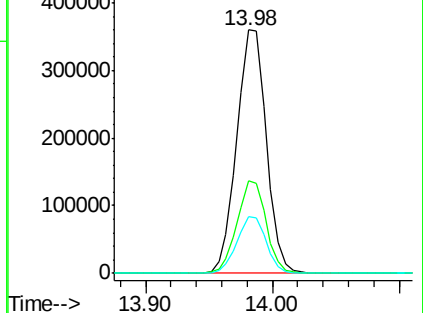
170 23.4 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 7.208 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.43 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

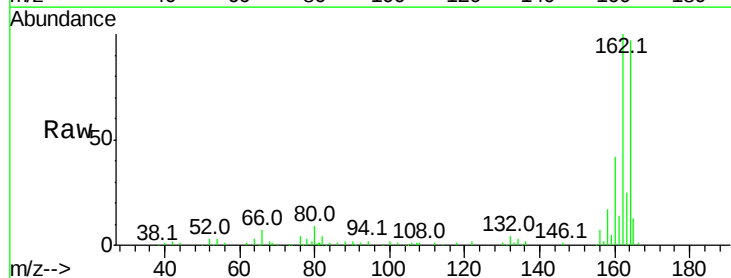
Tgt Ion:165 Resp: 12379

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

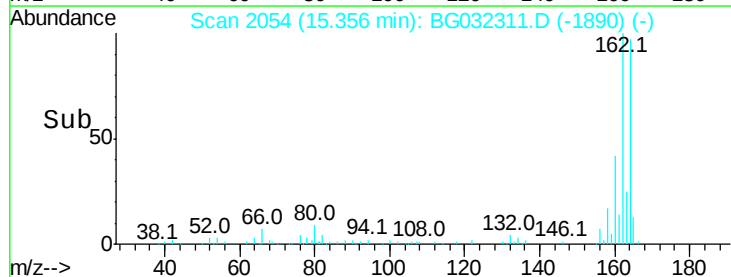
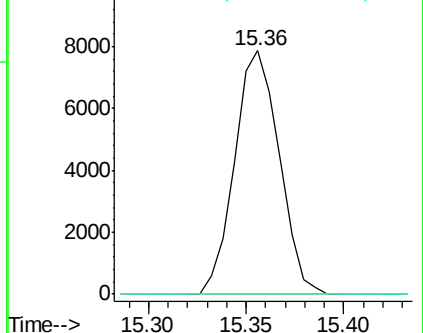
89 0.0 49.2 73.8#

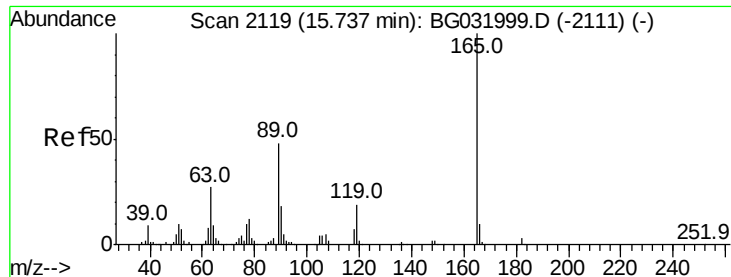


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#56

2,4-Dinitrotoluene

Concen: 5.354 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 12379

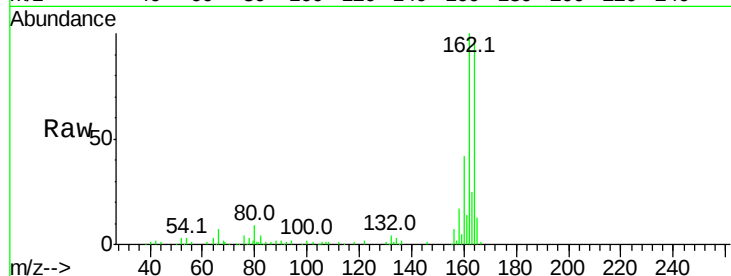
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

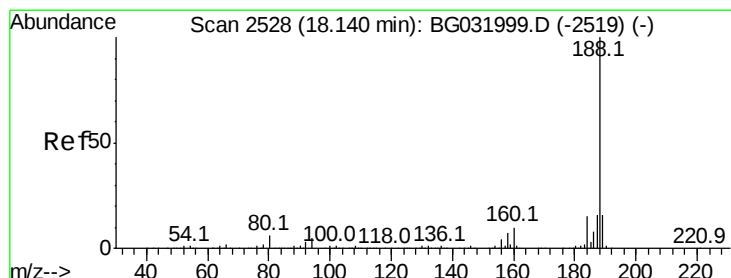
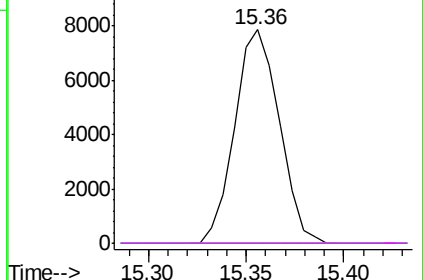
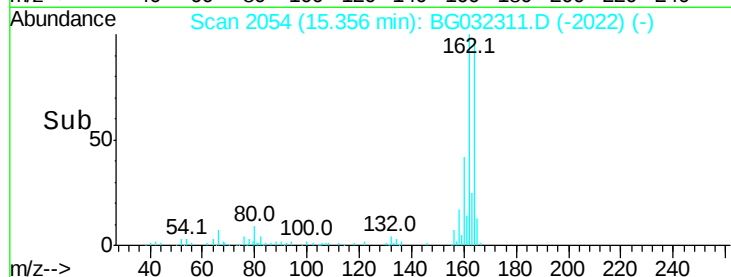


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.09 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

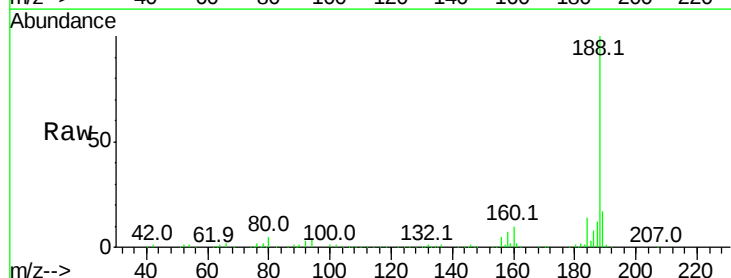
Tgt Ion:188 Resp: 279087

Ion Ratio Lower Upper

188 100

94 4.5 6.9 10.3#

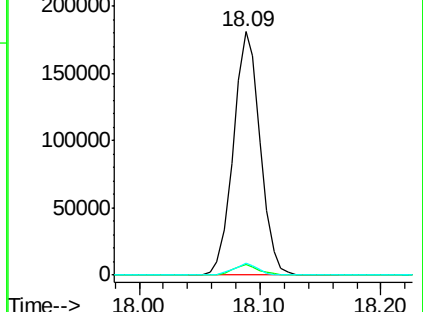
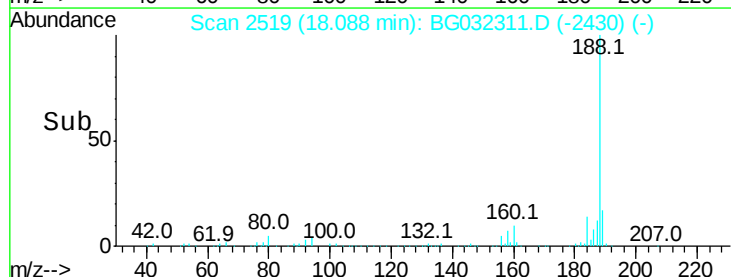
80 5.1 7.7 11.5#

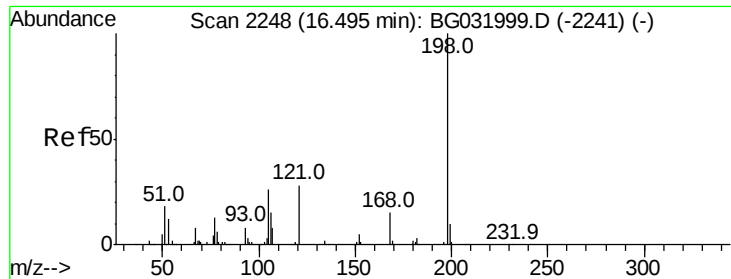


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

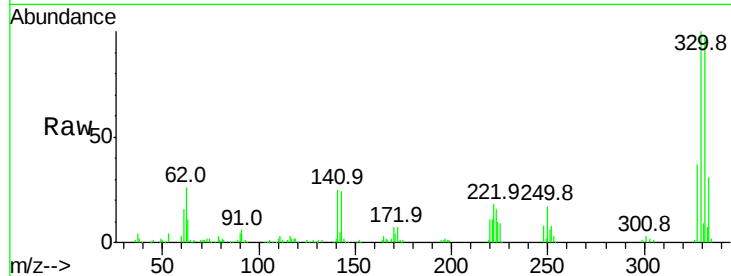




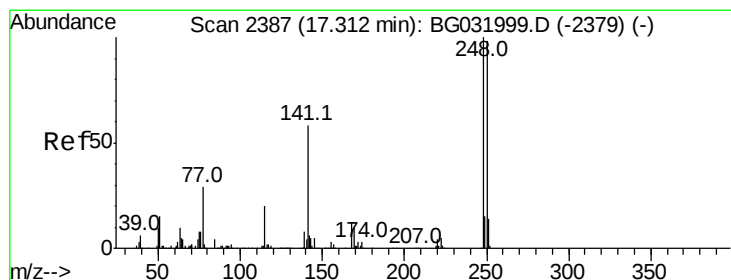
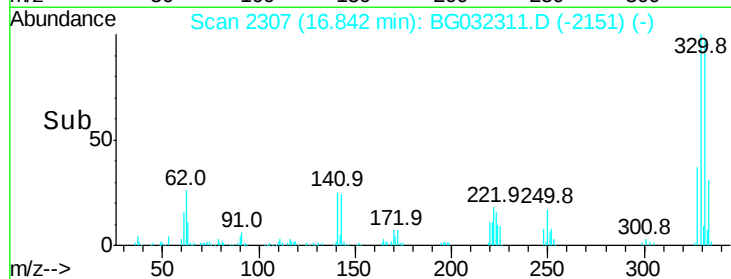
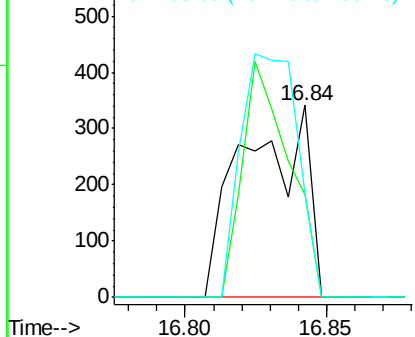
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.155 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. 0.39 min
 Lab File: BG032311.D
 Acq: 26 Jan 2018 2:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 539
 Ion Ratio Lower Upper
 198 100
 51 53.5 30.6 70.6
 105 53.8 23.8 63.8

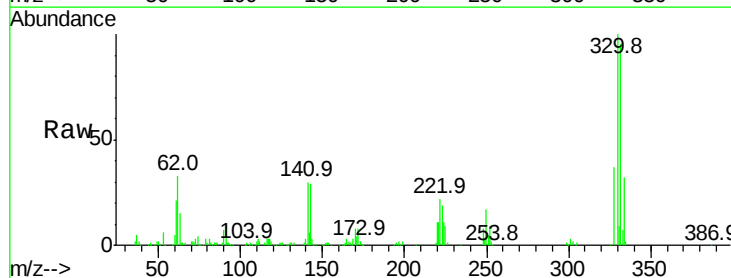


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

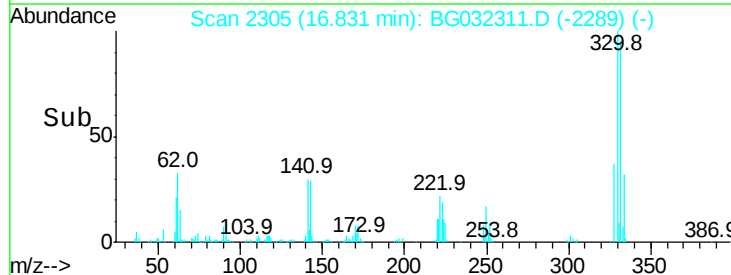
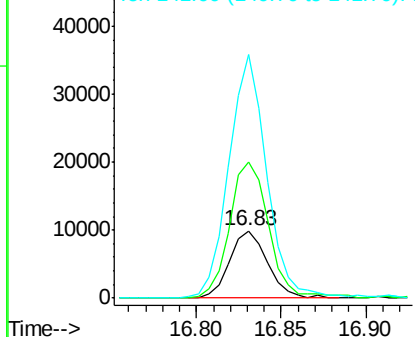


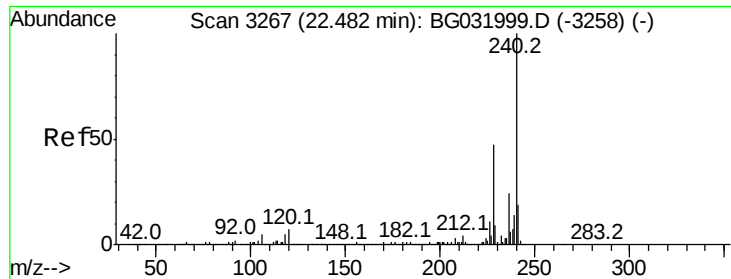
#66
 4-Bromophenyl-phenylether
 Concen: 3.898 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.44 min
 Lab File: BG032311.D
 Acq: 26 Jan 2018 2:11

Tgt Ion:248 Resp: 15479
 Ion Ratio Lower Upper
 248 100
 250 201.5 77.1 115.7#
 141 360.1 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

Chrvsene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

Instrument :

BNA_G

ClientSampleId :

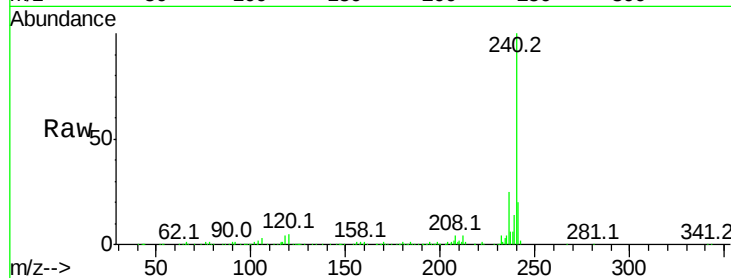
Tot Ion:240 Resp: 354501

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

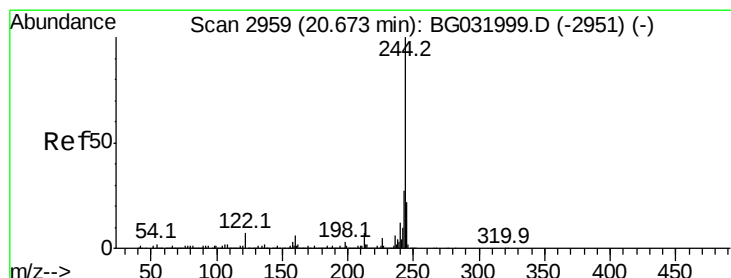
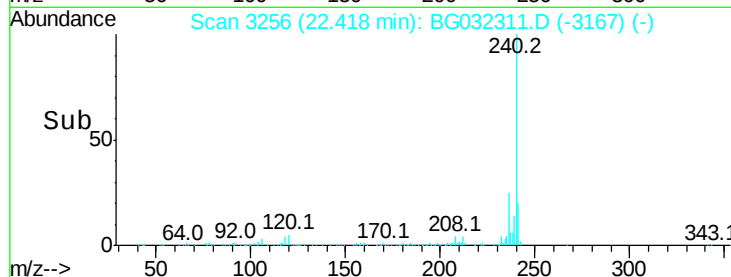
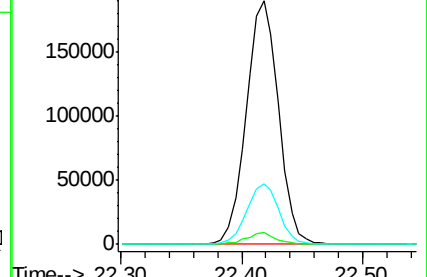
236 25.1 20.9 31.3



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: 80.074 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032311.D

Acq: 26 Jan 2018 2:11

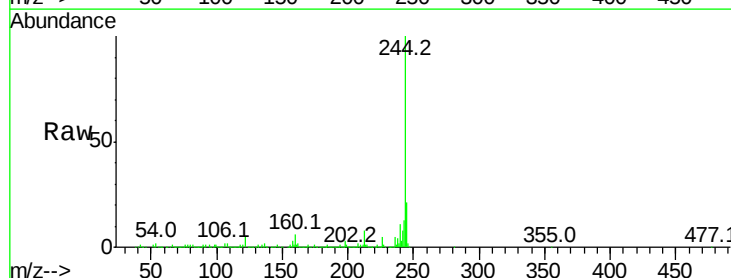
Tgt Ion:244 Resp: 1285583

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

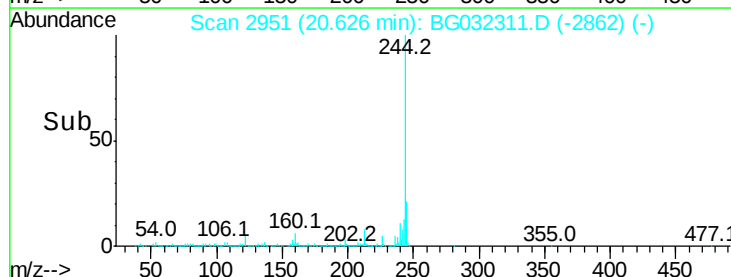
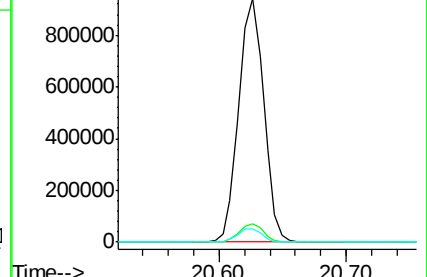
122 5.5 7.0 10.4#

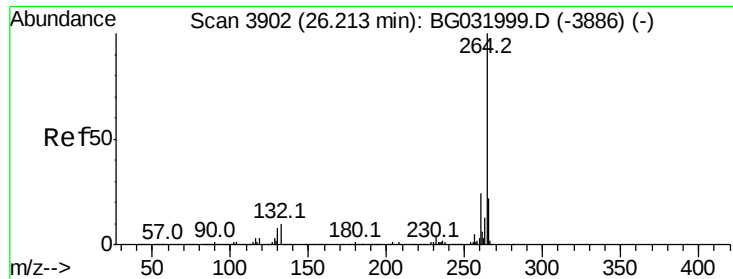


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

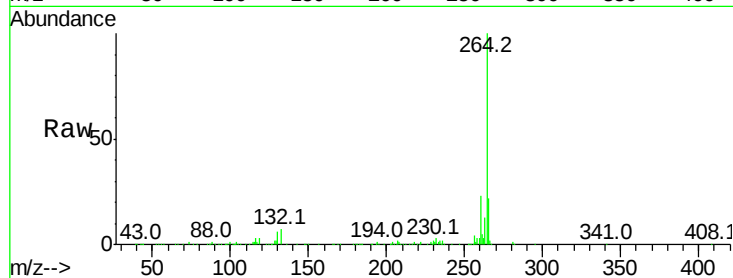




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.10 min Scan# 3882
Delta R.T. -0.01 min
Lab File: BG032311.D
Acq: 26 Jan 2018 2:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	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

