

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032180.D
 Acq On : 20 Jan 2018 15:34
 Operator : SJ/JU
 Sample : SP4226
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 05:59:38 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

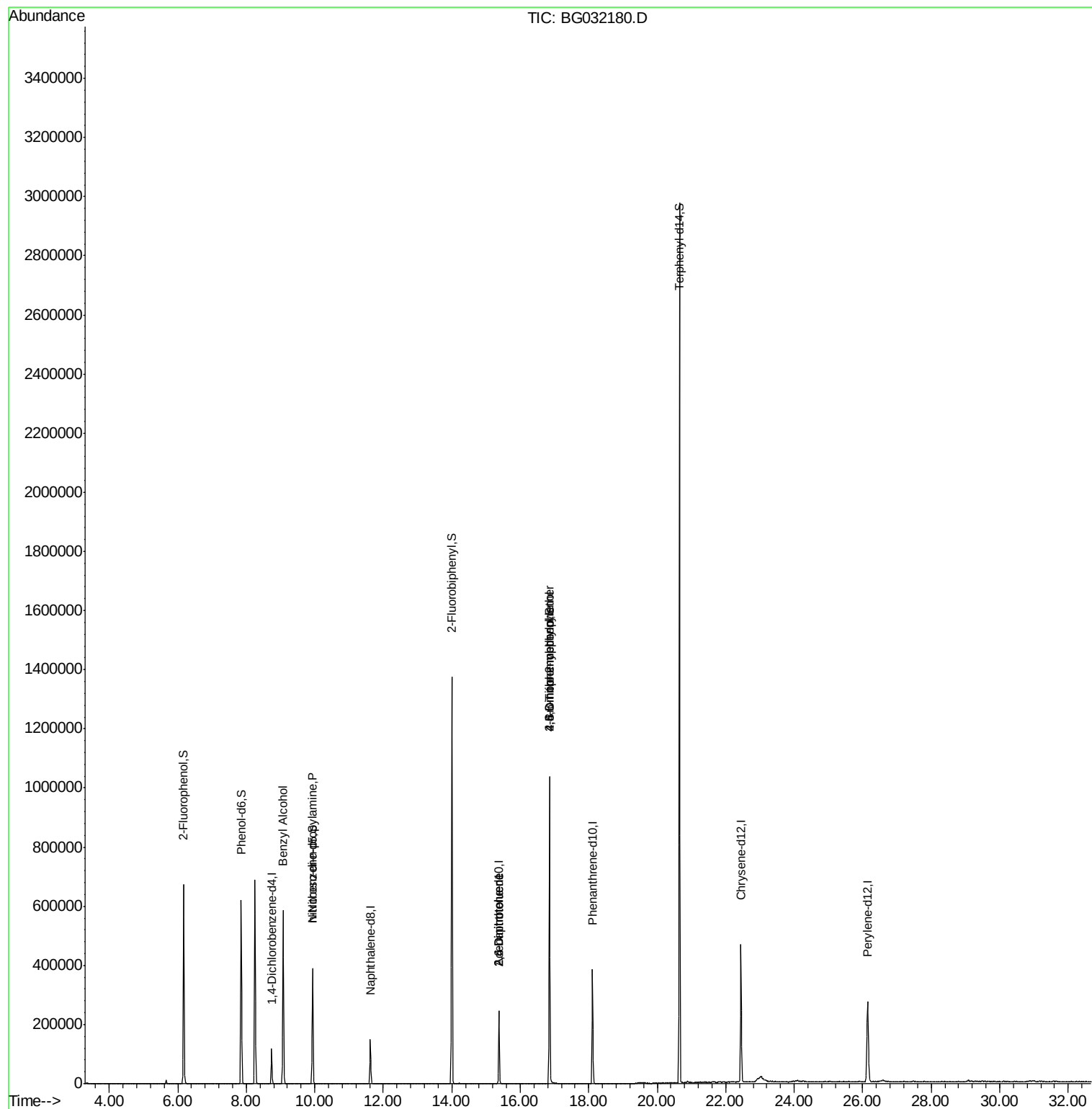
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	39788	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	149956	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	95774	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	262867	20.00	ng	0.00
75) Chrysene-d12	22.45	240	366235	20.00	ng	0.00
86) Perylene-d12	26.14	264	374526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	331679	152.46	ng	0.00
7) Phenol-d6	7.85	99	393864	143.75	ng	0.00
23) Nitrobenzene-d5	9.94	82	239564	108.08	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	238798	150.68	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	819533	106.10	ng	0.00
78) Terphenyl-d14	20.65	244	1639121	98.82	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.07	79	4832	2.428	ng	# 50
19) n-Nitroso-di-n-propylamine	9.94	70	33863	19.920	ng	# 80
50) 2,6-Dinitrotoluene	15.37	165	12713	7.308	ng	# 18
56) 2,4-Dinitrotoluene	15.37	165	12713	5.428	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.85	198	697	5.256	ng	# 20
66) 4-Bromophenyl-phenylether	16.85	248	20857	5.577	ng	# 1

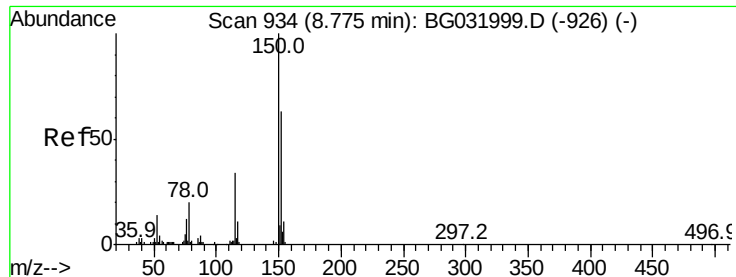
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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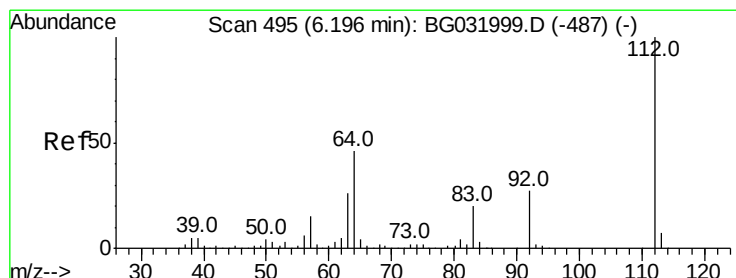
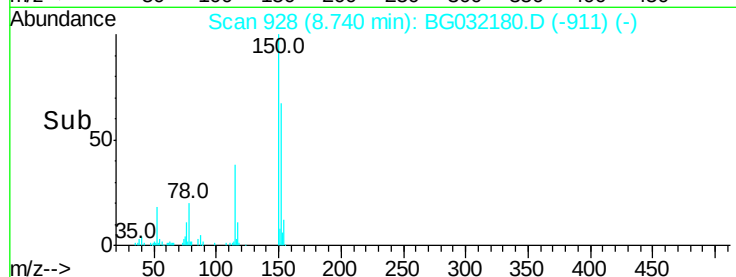
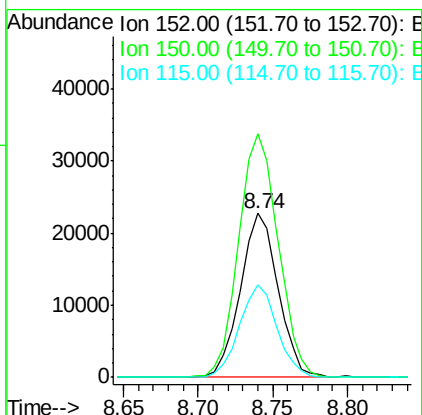
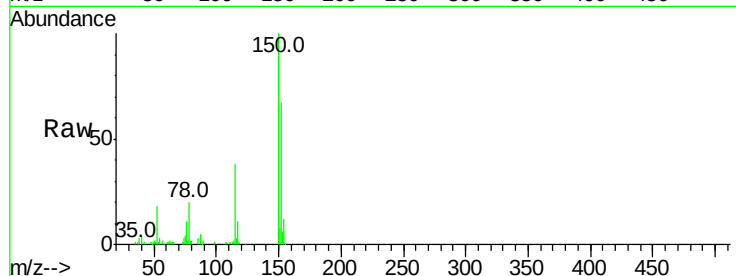


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Instrument :
BNA_G
ClientSampleId :

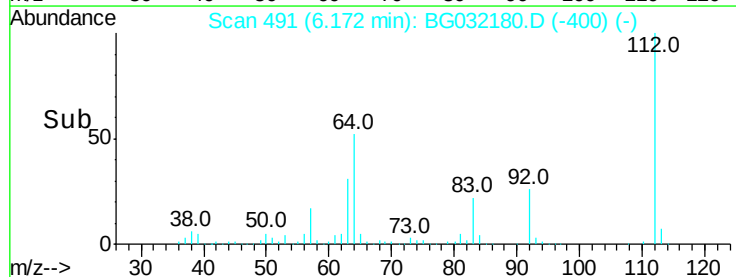
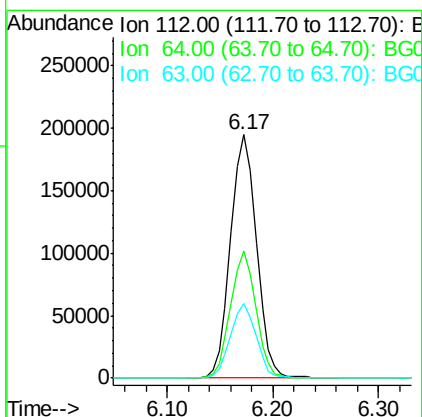
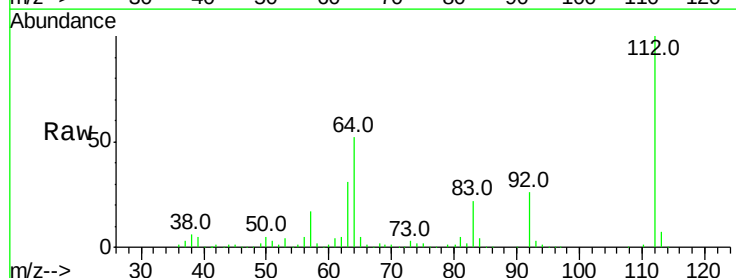
Tot Ion:152 Resp: 39788
Ion Ratio Lower Upper
152 100
150 148.4 126.6 189.8
115 56.2 53.0 79.4

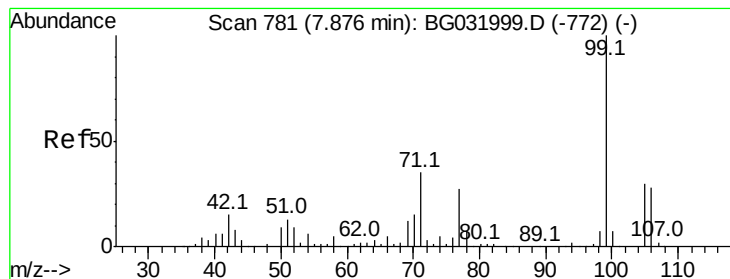


#5

2-Fluorophenol
Concen: 152.463 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Tgt Ion:112 Resp: 331679
Ion Ratio Lower Upper
112 100
64 52.0 56.3 84.5#
63 30.9 30.1 45.1





#7

Phenol-d6

Concen: 143.752 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032180.D

Acq: 20 Jan 2018 15:34

Instrument :

BNA_G

ClientSampled :

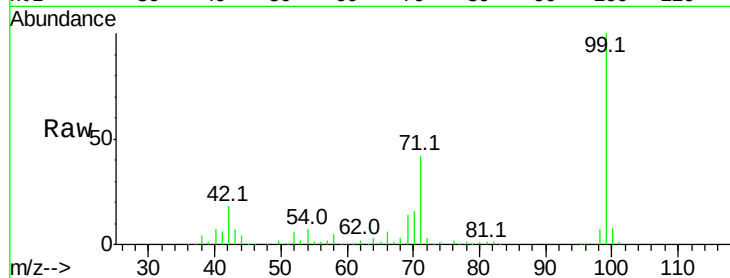
Tot Ion: 99 Resp: 393864

Ion Ratio Lower Upper

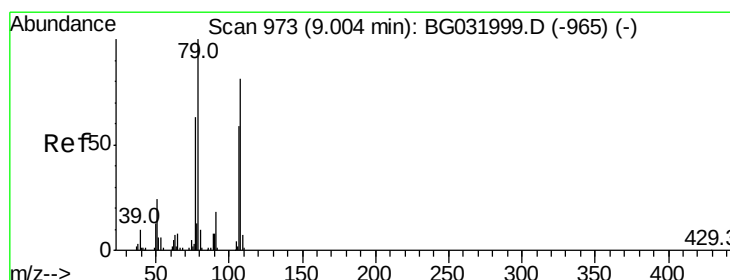
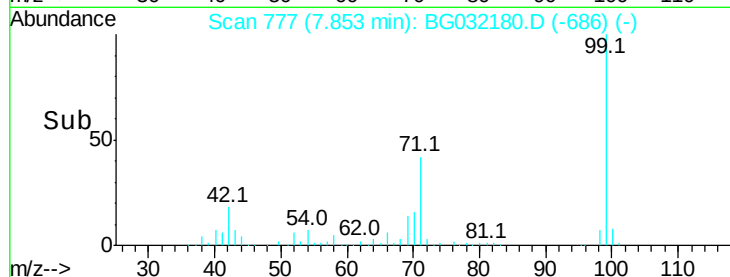
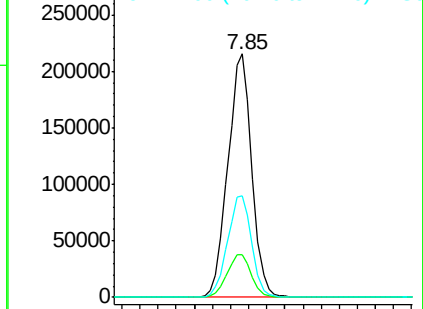
99 100

42 17.6 14.1 21.1

71 41.7 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



#15

Benzyl Alcohol

Concen: 2.428 ng

RT: 9.07 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032180.D

Acq: 20 Jan 2018 15:34

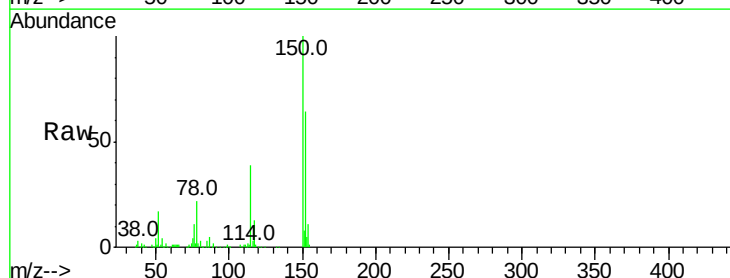
Tgt Ion: 79 Resp: 4832

Ion Ratio Lower Upper

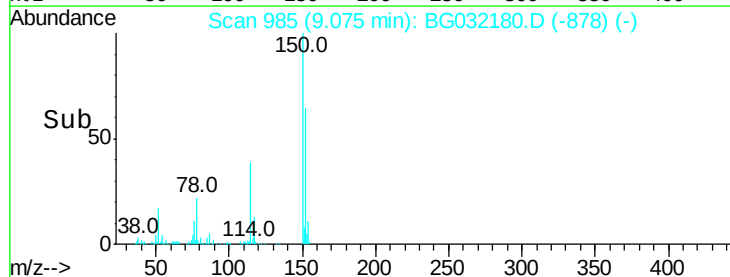
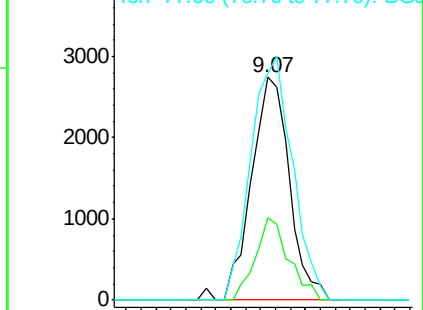
79 100

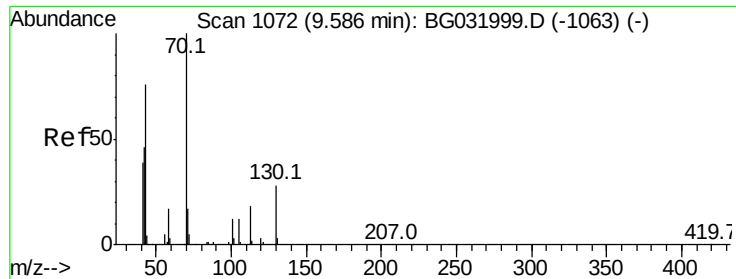
108 37.0 57.2 85.8#

77 102.0 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

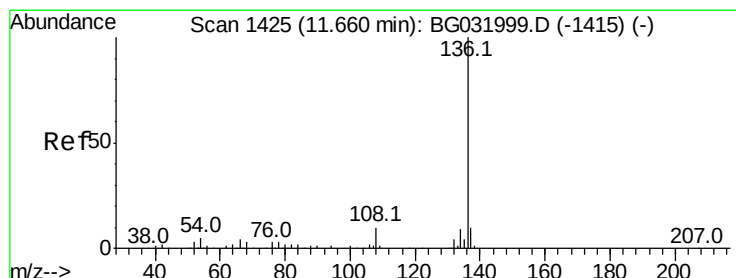
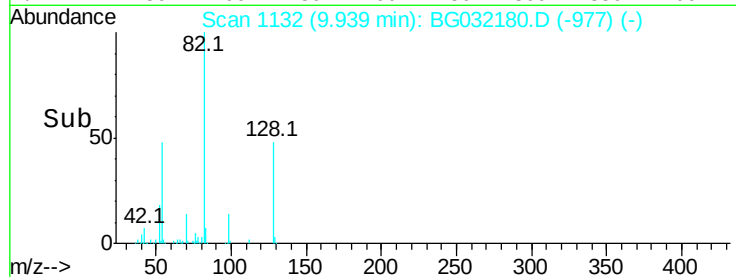
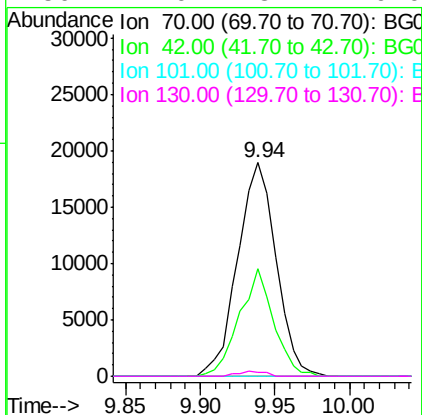
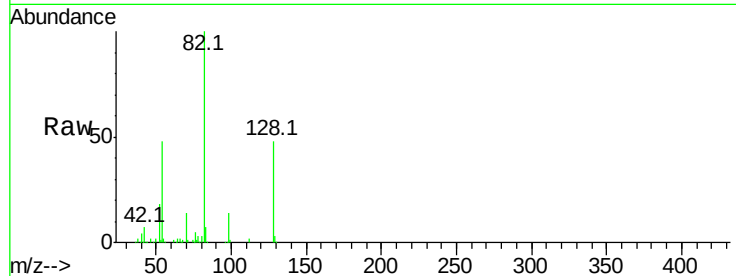




#19
n-Nitroso-di-n-propylamine
Concen: 19.920 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

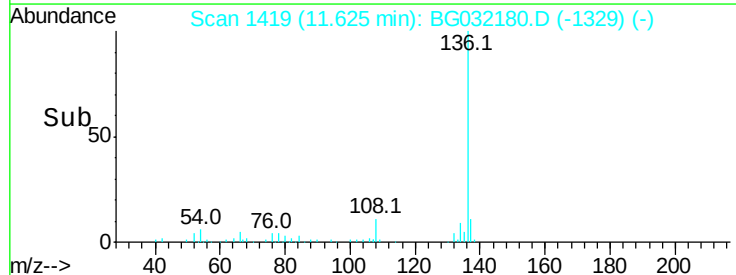
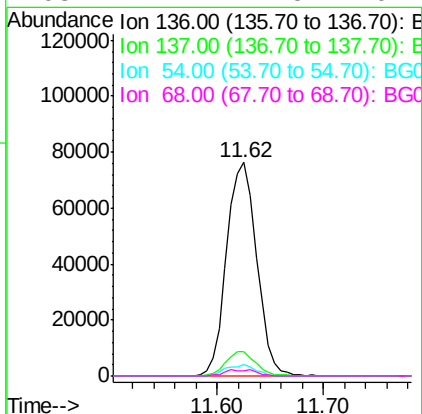
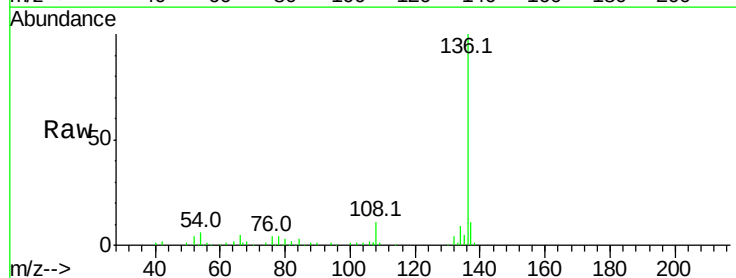
Instrument :
BNA_G
ClientSampleId :

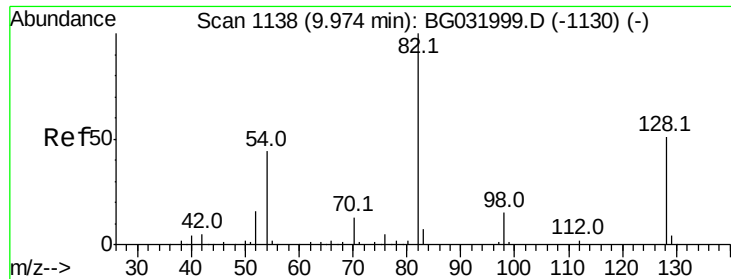
Tot Ion:	70	Resp:	33863
Ion	Ratio	Lower	Upper
70	100		
42	50.1	49.1	73.7
101	0.0	8.5	12.7#
130	2.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Tgt Ion:	136	Resp:	149956
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.7	10.3	15.5#
68	2.4	4.5	6.7#

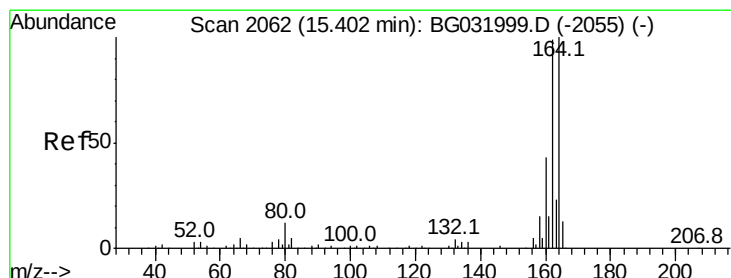
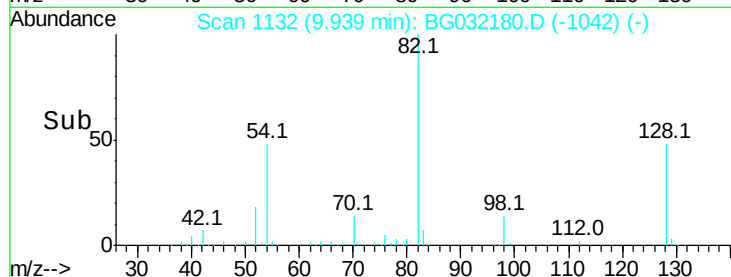
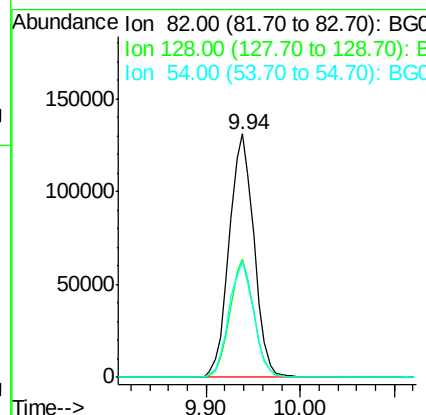
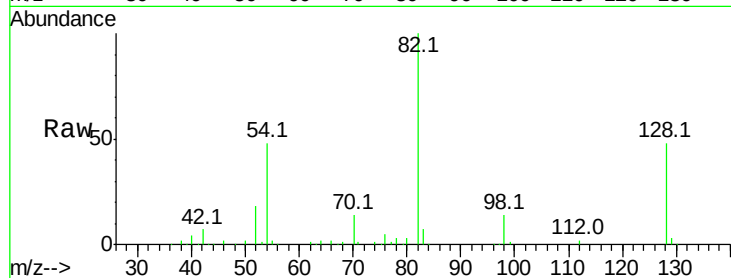




#23
Nitrobenzene-d5
Concen: 108.082 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

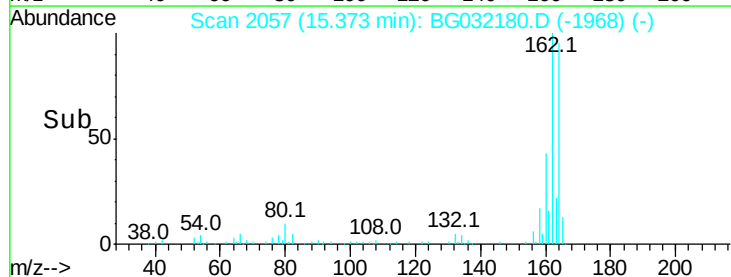
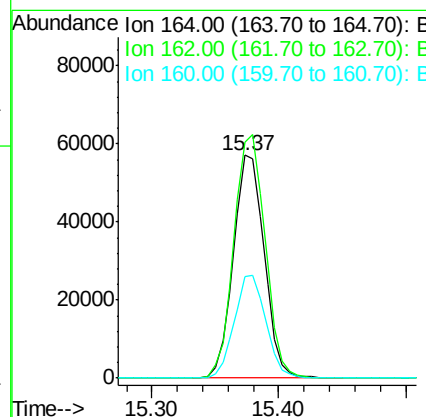
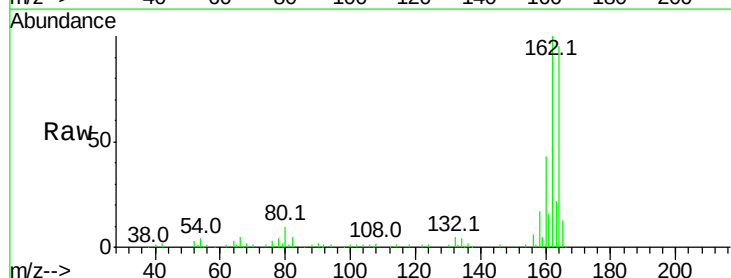
Instrument :
BNA_G
ClientSampleId :

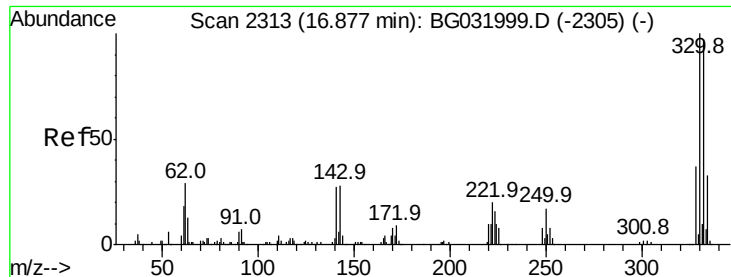
Tot Ion: 82 Resp: 239564
Ion Ratio Lower Upper
82 100
128 48.4 29.7 44.5#
54 47.7 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Tgt Ion:164 Resp: 95774
Ion Ratio Lower Upper
164 100
162 105.6 78.8 118.2
160 45.6 35.4 53.0

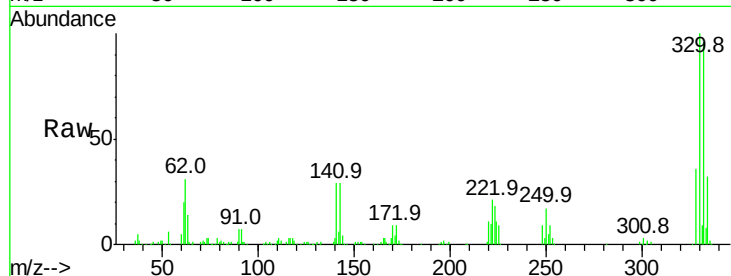




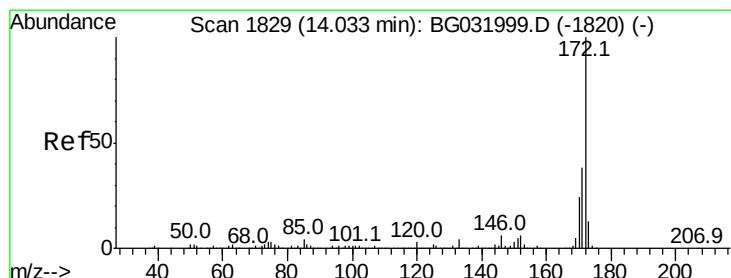
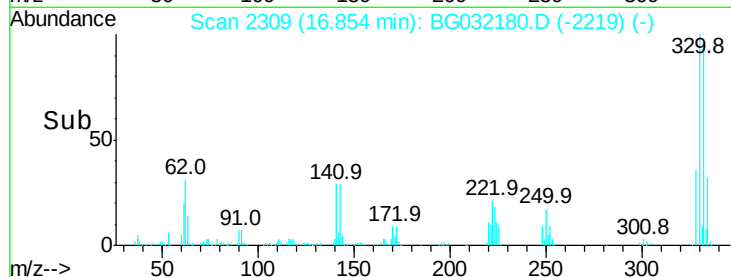
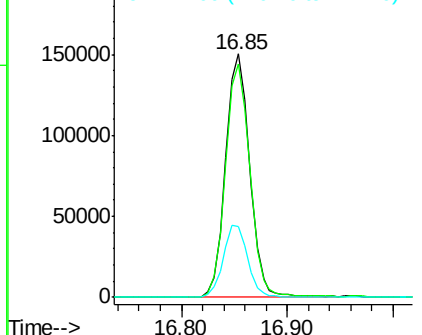
#41
 2,4,6-Tribromophenol
 Concen: 150.677 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032180.D
 Acq: 20 Jan 2018 15:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	30.3	25.2	37.8

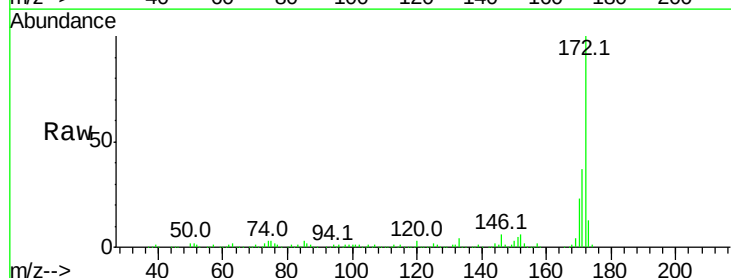


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

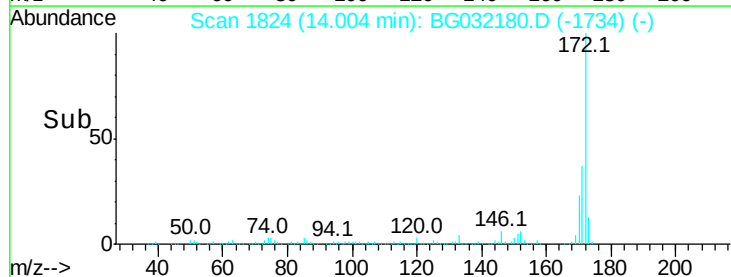
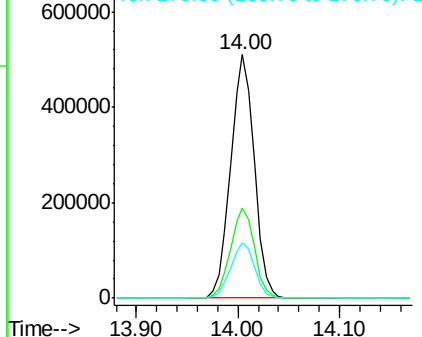


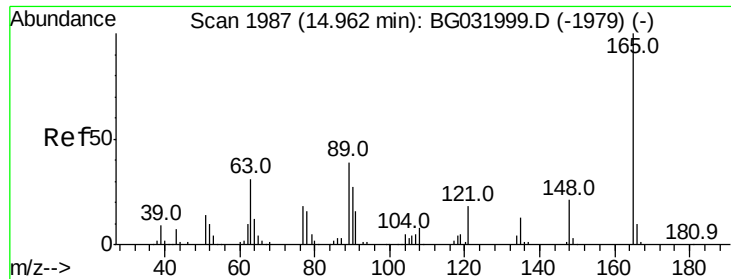
#44
 2-Fluorobiphenyl
 Concen: 106.102 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032180.D
 Acq: 20 Jan 2018 15:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	22.8	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: 7.308 ng

RT: 15.37 min Scan# 2057

Delta R.T. 0.44 min

Lab File: BG032180.D

Acq: 20 Jan 2018 15:34

Instrument :

BNA_G

ClientSampleId :

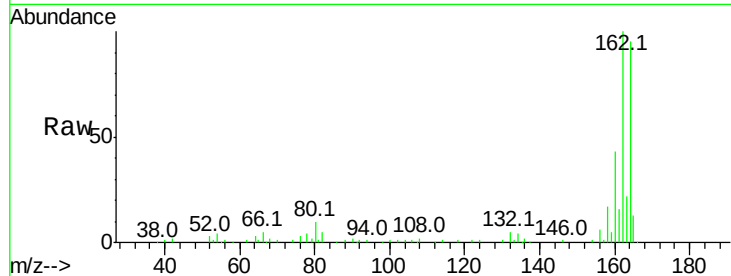
Tot Ion:165 Resp: 12713

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 0.0 49.2 73.8#



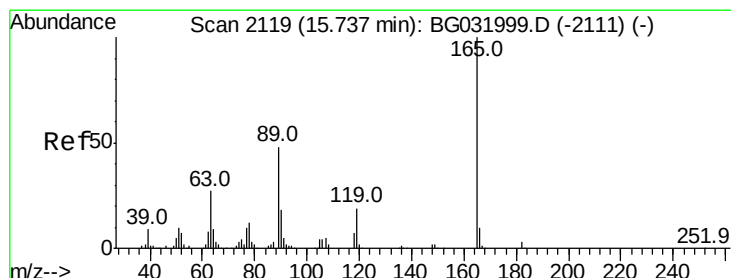
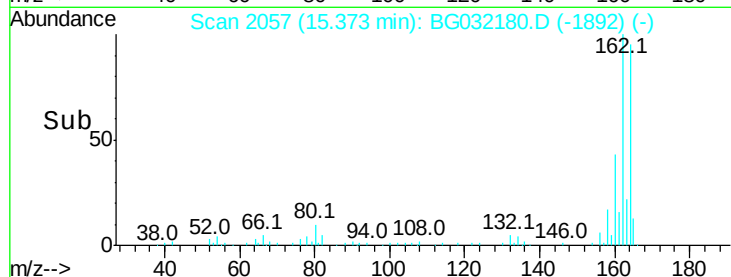
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

15.37

Time--> 15.30 15.35 15.40



#56

2,4-Dinitrotoluene

Concen: 5.428 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.34 min

Lab File: BG032180.D

Acq: 20 Jan 2018 15:34

Tgt Ion:165 Resp: 12713

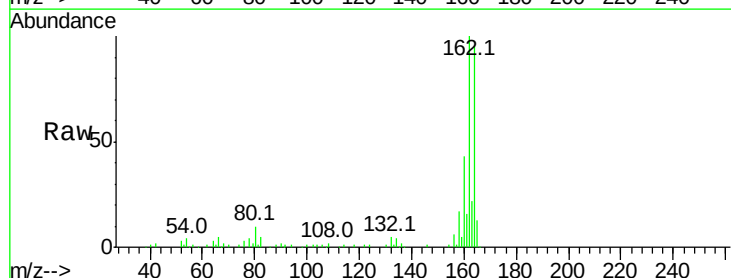
Ion Ratio Lower Upper

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

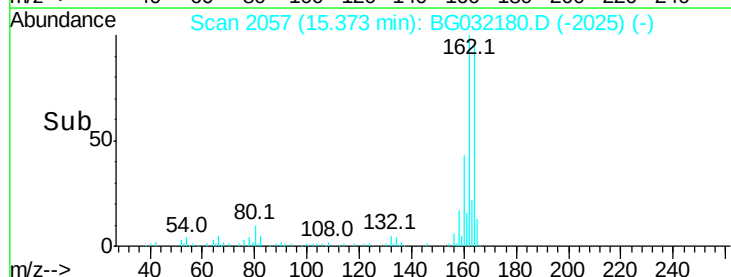
Ion 63.00 (62.70 to 63.70): BGC

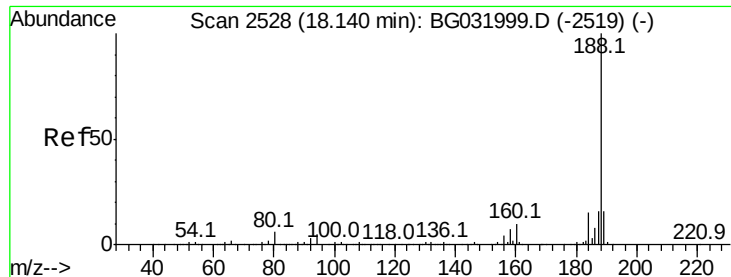
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.37

Time--> 15.30 15.35 15.40

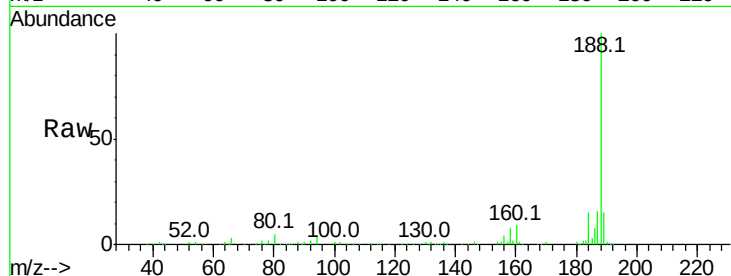




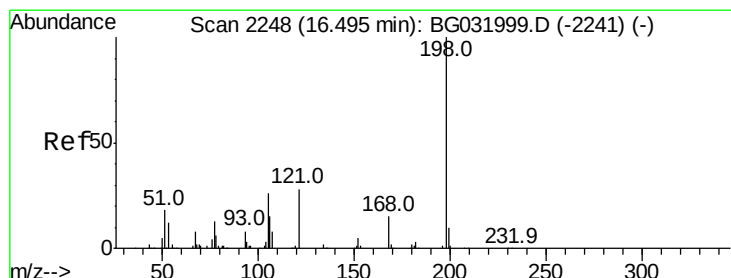
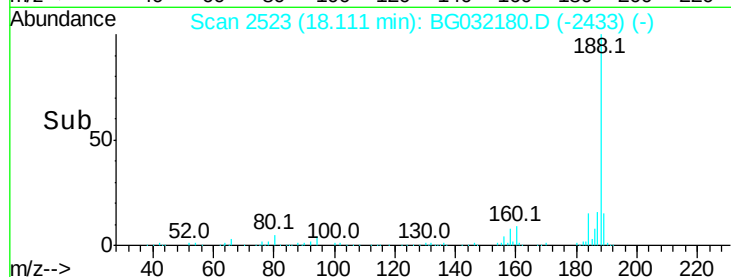
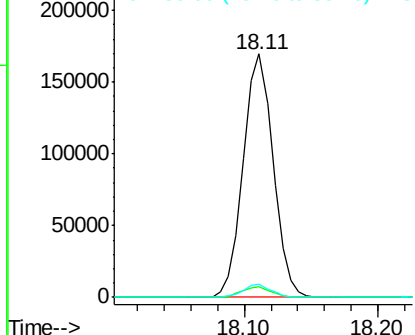
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 262867
Ion Ratio Lower Upper
188 100
94 4.3 6.9 10.3#
80 5.3 7.7 11.5#

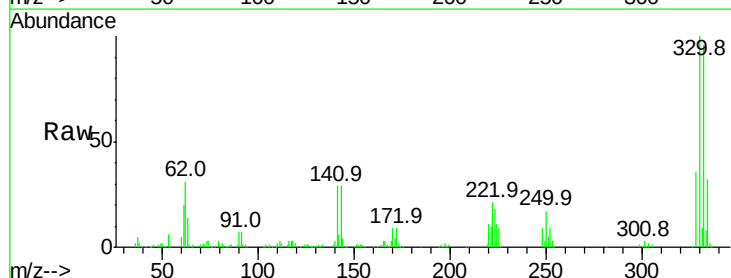


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

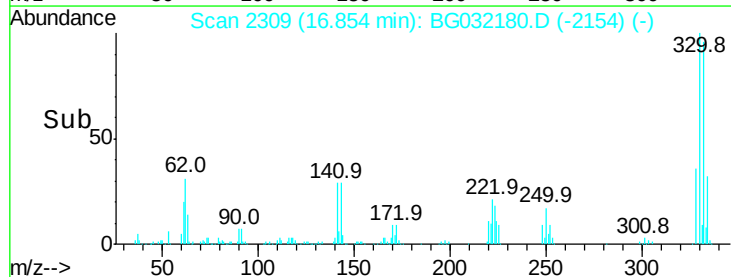
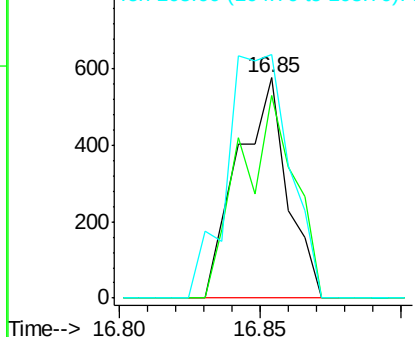


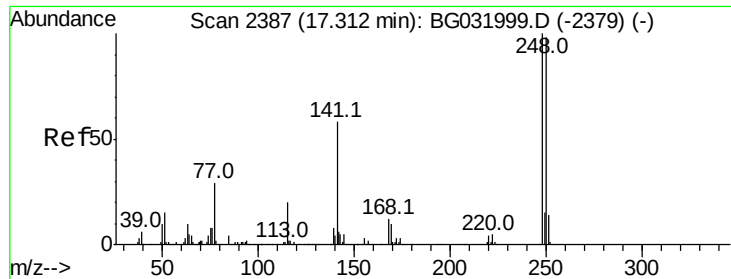
#64
4,6-Dinitro-2-methylphenol
Concen: 5.256 ng
RT: 16.85 min Scan# 2309
Delta R.T. 0.38 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Tgt Ion:198 Resp: 697
Ion Ratio Lower Upper
198 100
51 92.2 30.6 70.6#
105 110.6 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

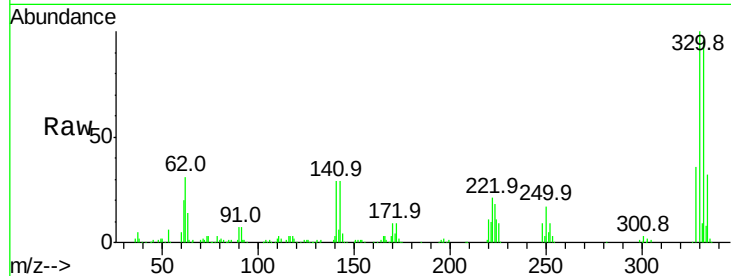




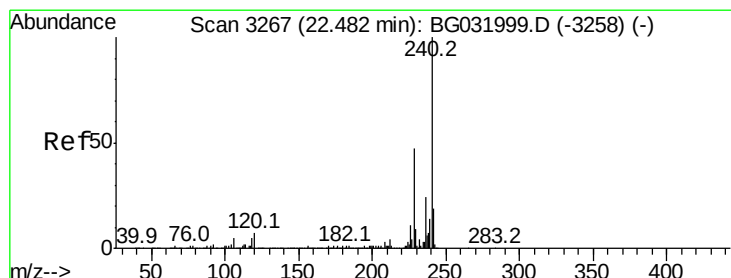
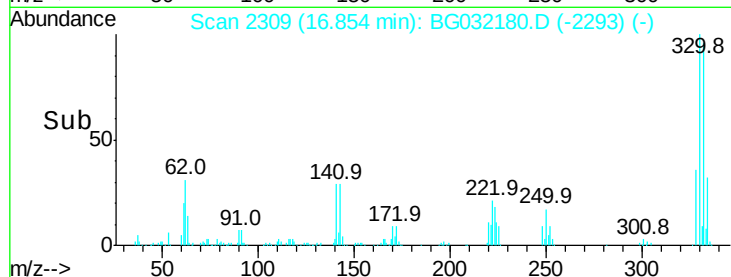
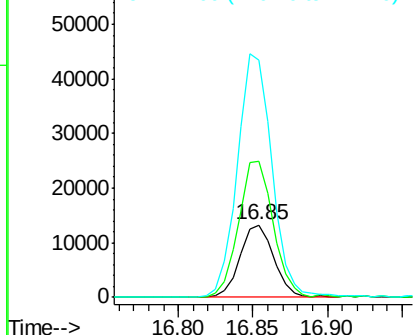
#66
4-Bromophenyl-phenylether
Concen: 5.577 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20857
Ion Ratio Lower Upper
248 100
250 188.5 77.1 115.7#
141 328.5 50.8 76.2#

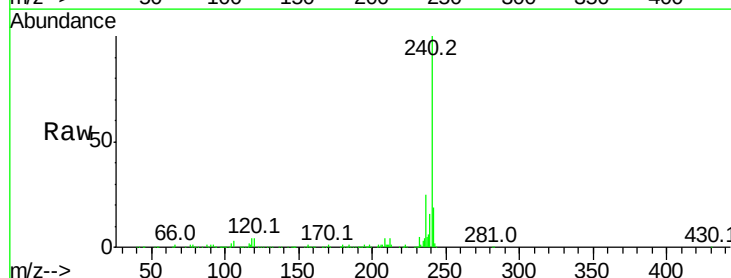


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

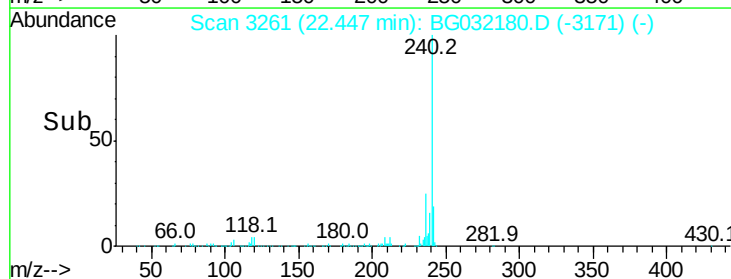
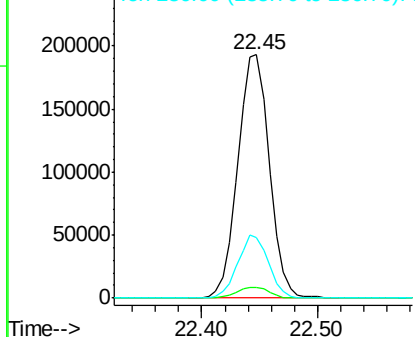


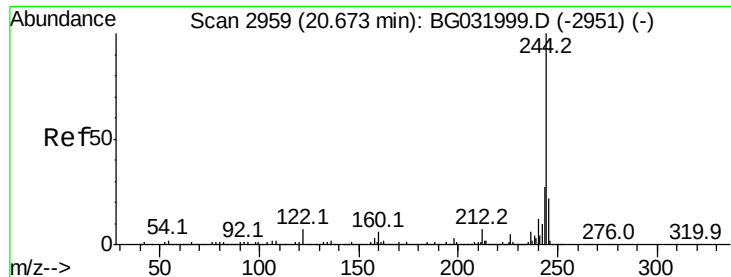
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.00 min
Lab File: BG032180.D
Acq: 20 Jan 2018 15:34

Tgt Ion:240 Resp: 366235
Ion Ratio Lower Upper
240 100
120 4.4 6.8 10.2#
236 24.7 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: 98.823 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032180.D

Acq: 20 Jan 2018 15:34

Instrument :

BNA_G

ClientSampleId :

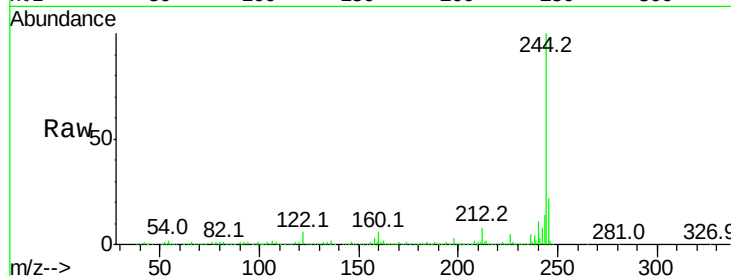
Tot Ion:244 Resp: 1639121

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	5.8	7.0	10.4

244 100

212 7.6 5.8 8.8

122 5.8 7.0 10.4

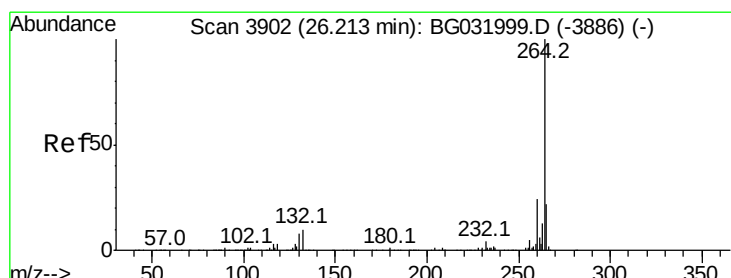
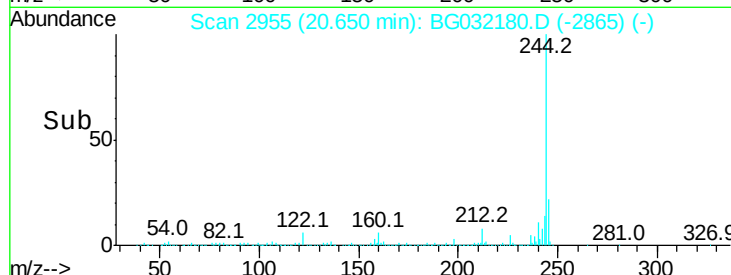
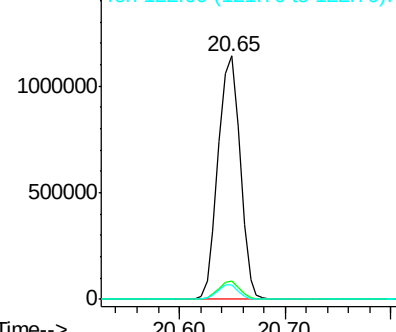


Abundance

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: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032180.D

Acq: 20 Jan 2018 15:34

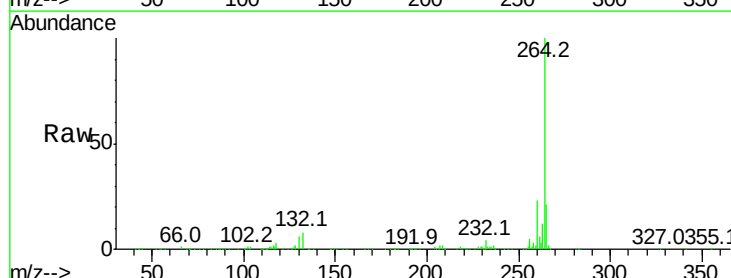
Tgt Ion:264 Resp: 374526

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.5	17.7	26.5

264 100

260 22.6 17.4 26.0

265 21.5 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

