

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032274.D
 Acq On : 24 Jan 2018 23:26
 Operator : SJ/JU
 Sample : PB105928TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 04:16:00 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

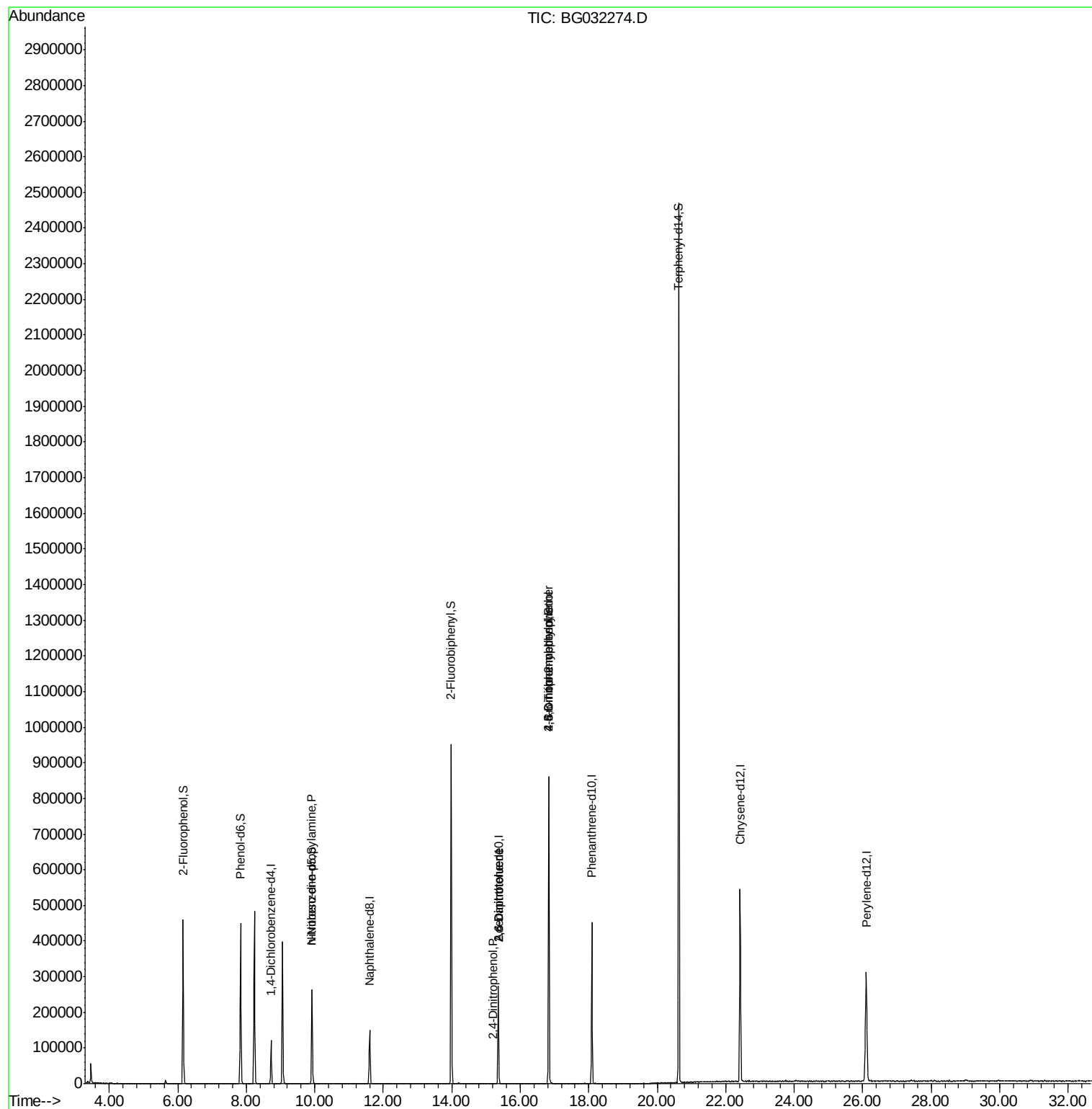
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	38197	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	151271	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	108489	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	305551	20.00	ng	0.00
75) Chrysene-d12	22.42	240	402006	20.00	ng	0.00
86) Perylene-d12	26.10	264	411816	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	225056	107.76	ng	0.00
7) Phenol-d6	7.84	99	270515	102.85	ng	0.00
23) Nitrobenzene-d5	9.92	82	165740	74.13	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	193582	107.83	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	583451	66.68	ng	0.00
78) Terphenyl-d14	20.63	244	1301579	71.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.92	70	23593	14.456	ng	# 69
50) 2,6-Dinitrotoluene	15.36	165	14776	7.498	ng	# 20
53) 2,4-Dinitrophenol	15.20	184	66	7.025	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	14776	5.570	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.83	198	739	5.224	ng	# 83
66) 4-Bromophenyl-phenylether	16.83	248	16413	3.775	ng	# 1

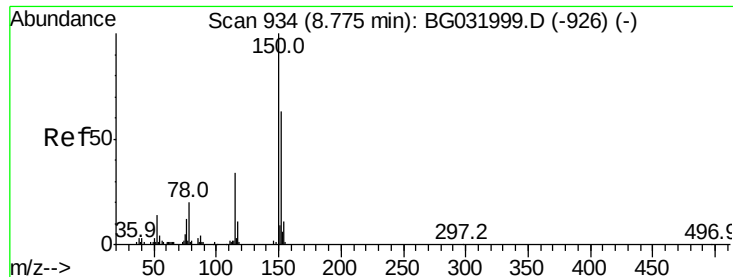
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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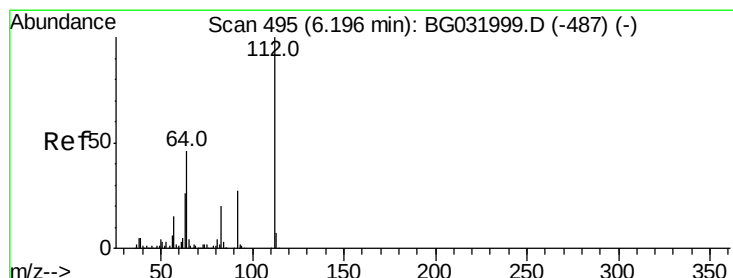
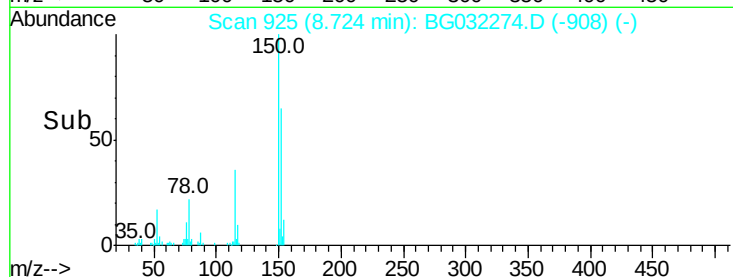
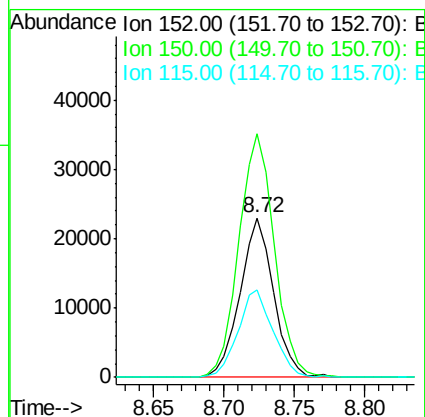
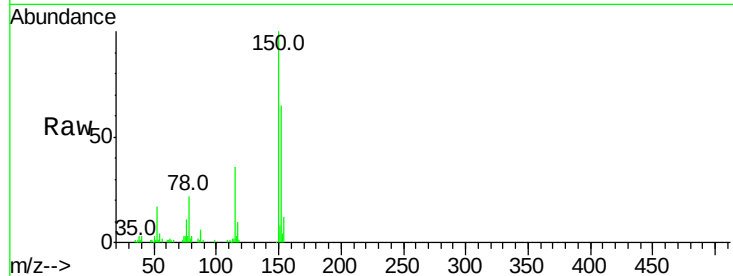


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Instrument :
BNA_G
ClientSampleId :

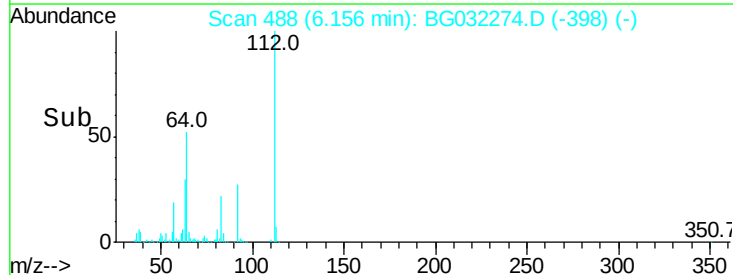
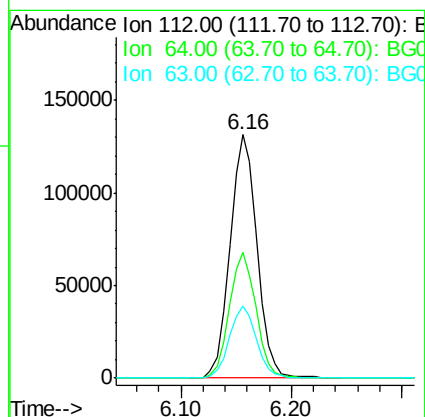
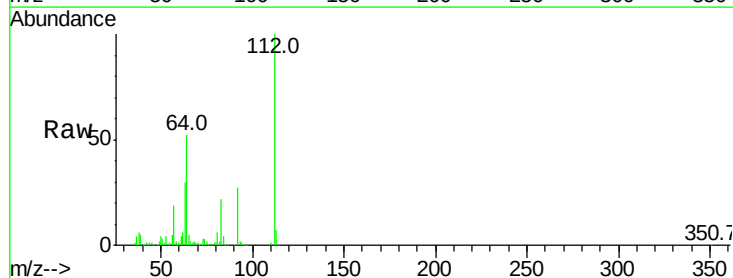
Tot Ion:152 Resp: 38197
Ion Ratio Lower Upper
152 100
150 152.9 126.6 189.8
115 54.8 53.0 79.4

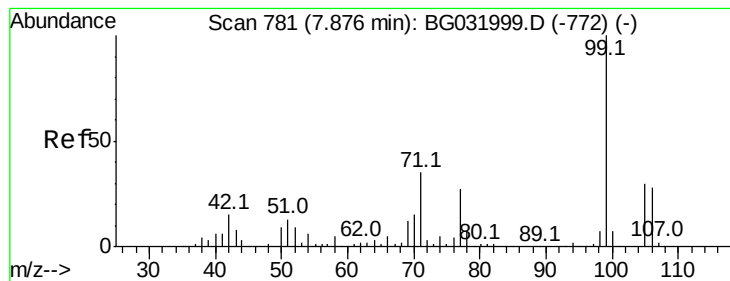


#5

2-Fluorophenol
Concen: 107.760 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Tgt Ion:112 Resp: 225056
Ion Ratio Lower Upper
112 100
64 51.6 56.3 84.5#
63 29.6 30.1 45.1#





#7

Phenol-d6

Concen: 102.845 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032274.D

Acq: 24 Jan 2018 23:26

Instrument :

BNA_G

ClientSampleId :

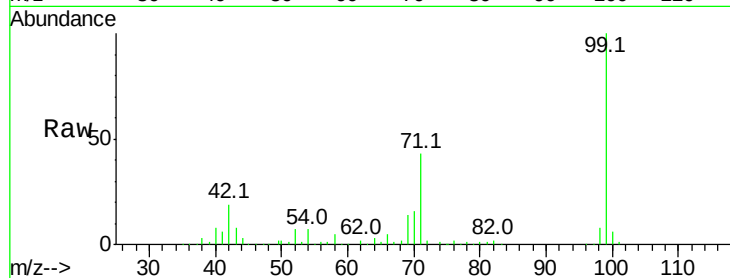
Tot Ion: 99 Resp: 270515

Ion Ratio Lower Upper

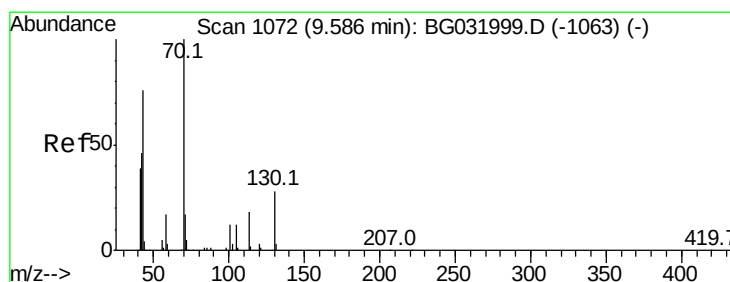
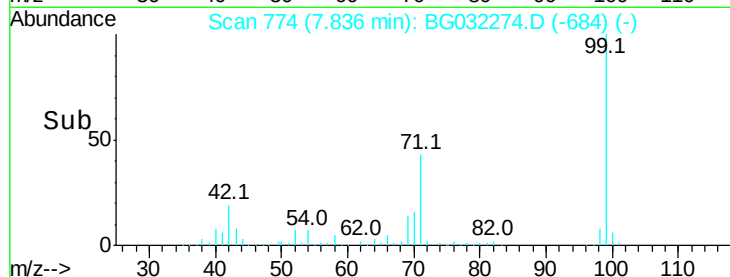
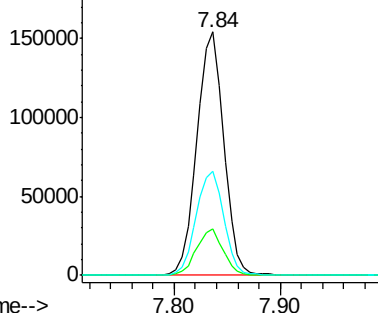
99 100

42 19.1 14.1 21.1

71 43.0 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: 14.456 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032274.D

Acq: 24 Jan 2018 23:26

Tgt Ion: 70 Resp: 23593

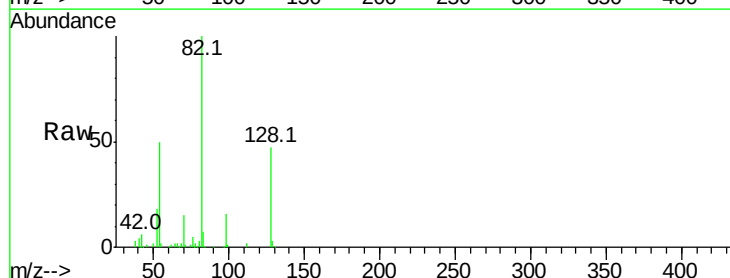
Ion Ratio Lower Upper

70 100

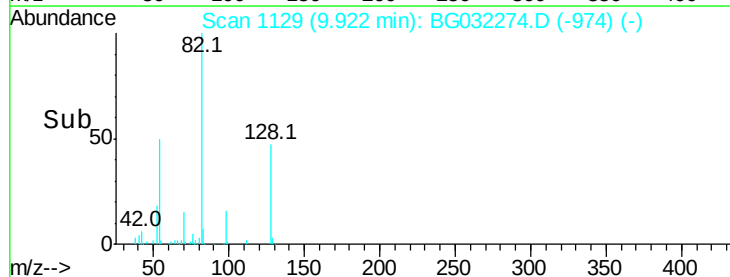
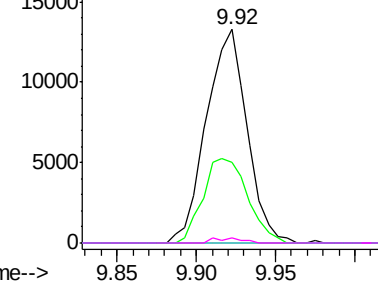
42 37.9 49.1 73.7#

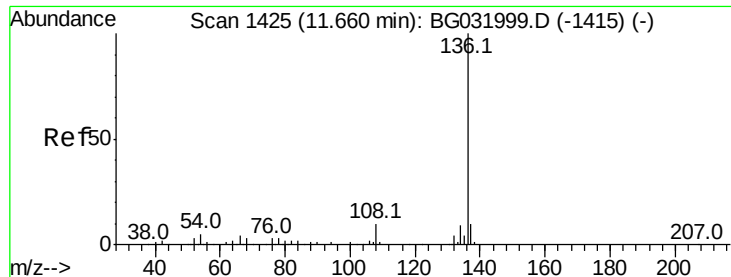
101 0.0 8.5 12.7#

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

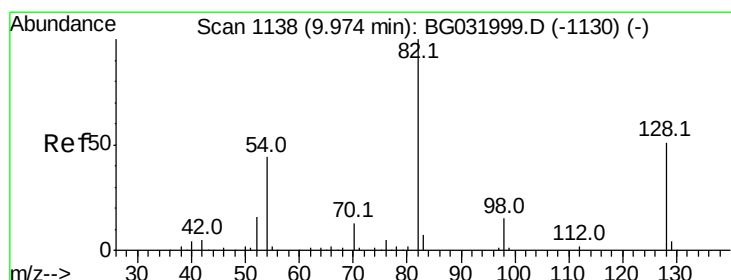
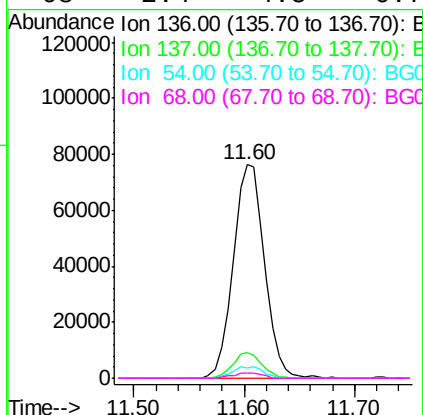
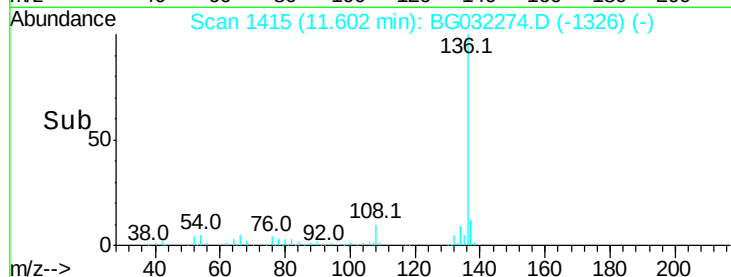
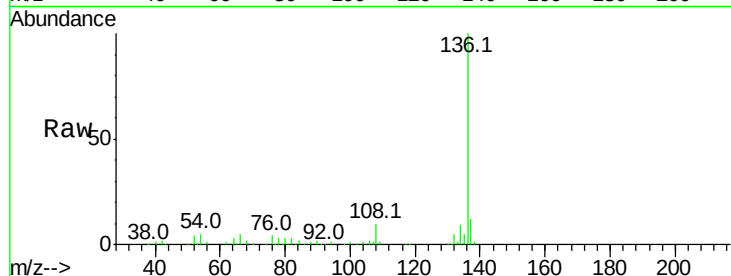




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

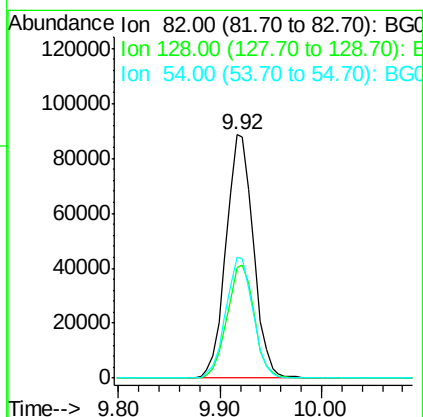
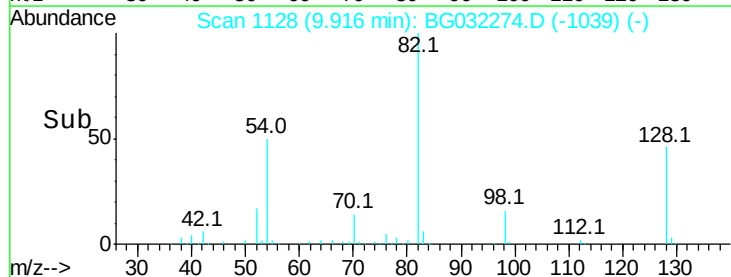
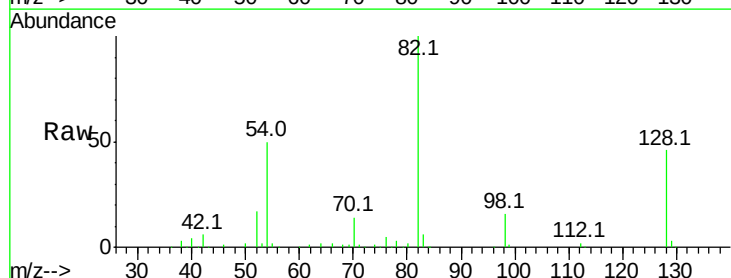
Instrument :
BNA_G
ClientSampled :

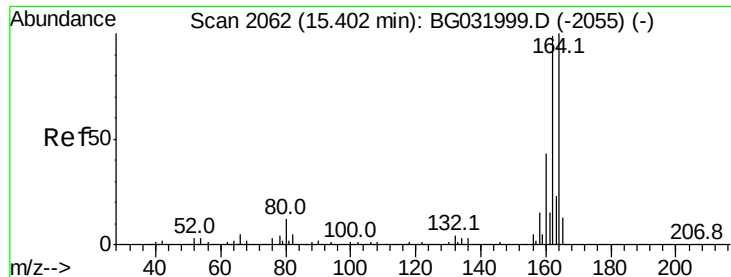
Tot Ion:136 Resp: 151271
Ion Ratio Lower Upper
136 100
137 11.9 9.2 13.8
54 4.8 10.3 15.5#
68 2.4 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 74.125 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Tgt Ion: 82 Resp: 165740
Ion Ratio Lower Upper
82 100
128 45.6 29.7 44.5#
54 49.5 43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032274.D

Acq: 24 Jan 2018 23:26

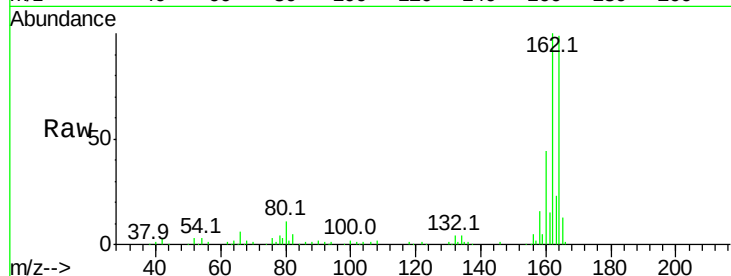
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 108489

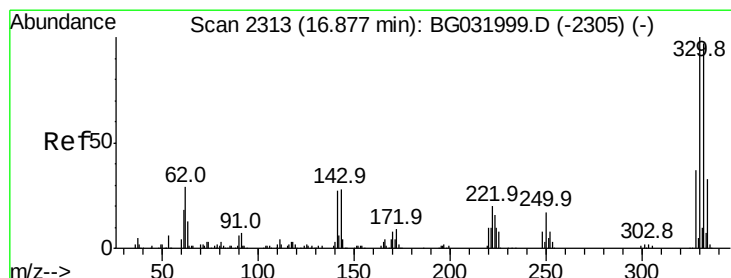
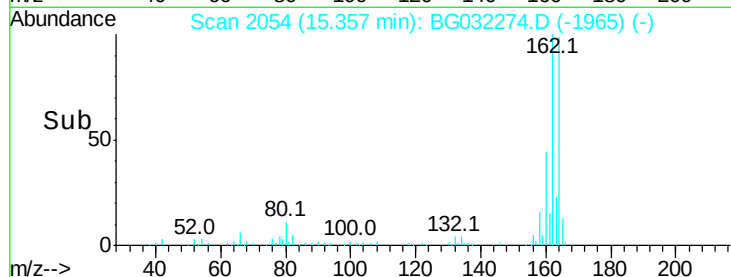
Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.8	118.2
160	44.1	35.4	53.0



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: 107.831 ng

RT: 16.83 min Scan# 2305

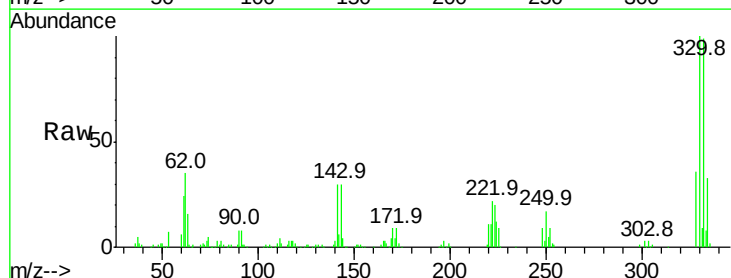
Delta R.T. -0.01 min

Lab File: BG032274.D

Acq: 24 Jan 2018 23:26

Tgt Ion:330 Resp: 193582

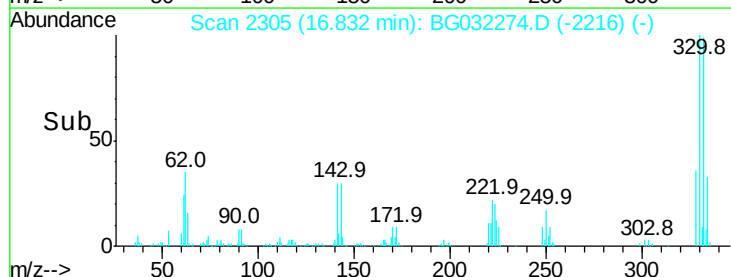
Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	29.7	25.2	37.8

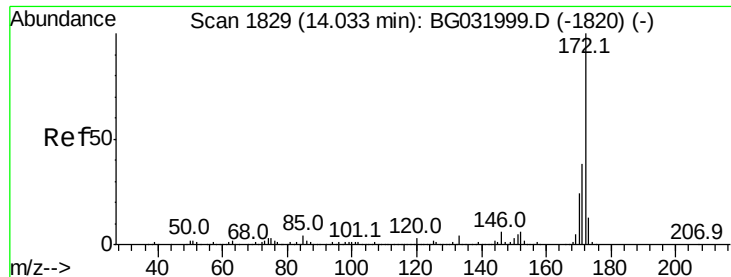


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

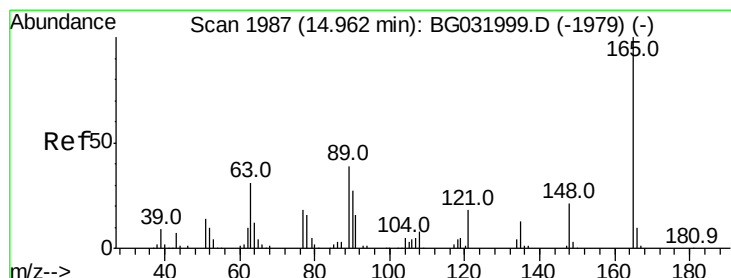
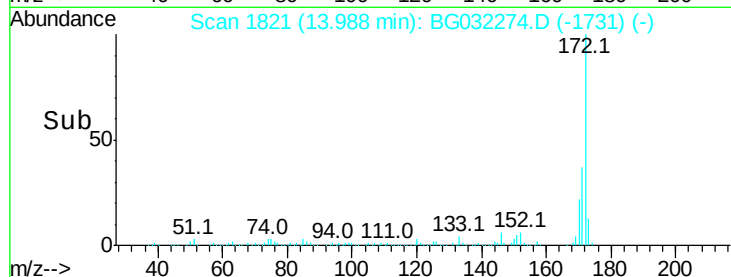
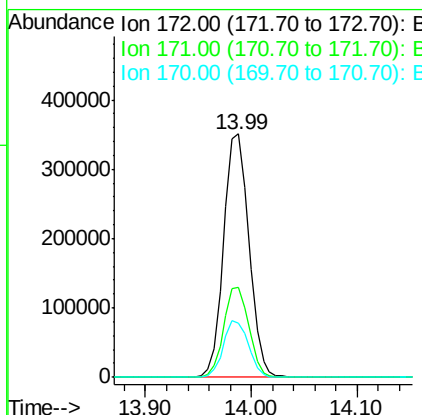
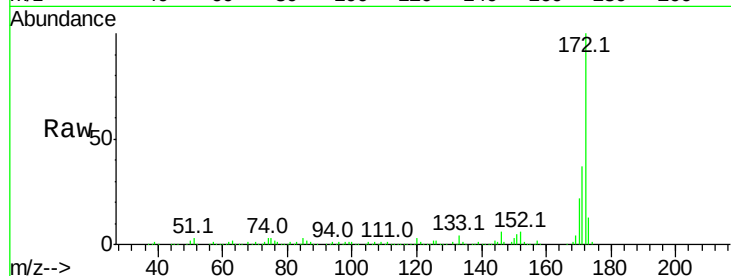




#44
 2-Fluorobiphenyl
 Concen: 66.684 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032274.D
 Acq: 24 Jan 2018 23:26

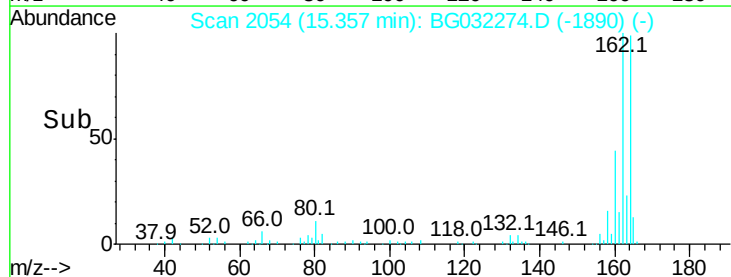
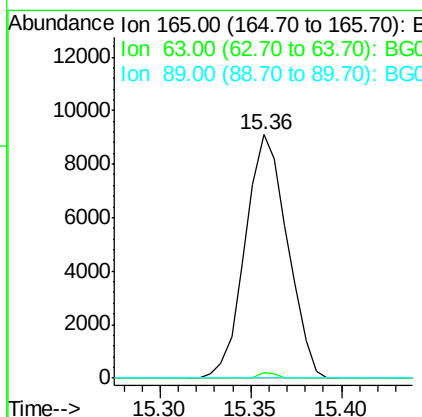
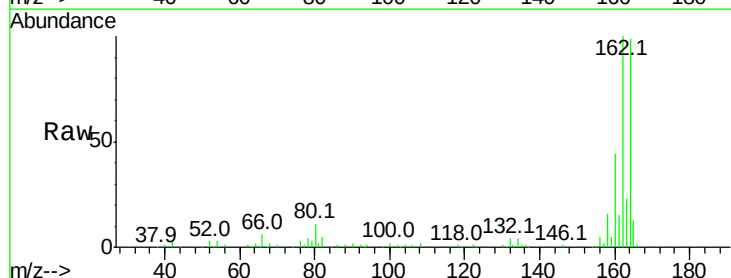
Instrument :
 BNA_G
 ClientSampled :

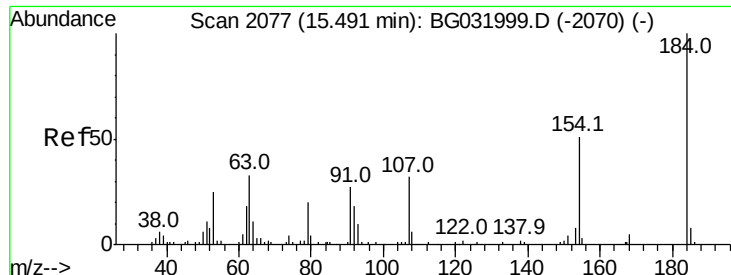
Tot Ion:172 Resp: 583451
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 22.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.498 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032274.D
 Acq: 24 Jan 2018 23:26

Tgt Ion:165 Resp: 14776
 Ion Ratio Lower Upper
 165 100
 63 2.2 52.7 79.1#
 89 0.0 49.2 73.8#

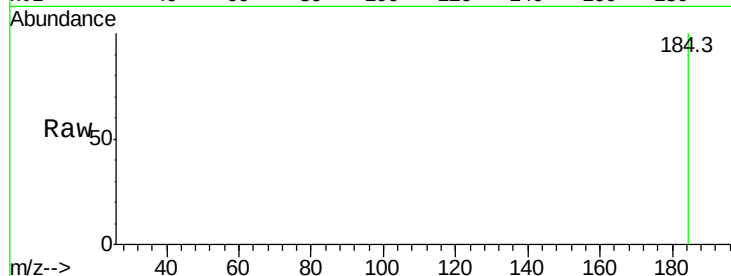




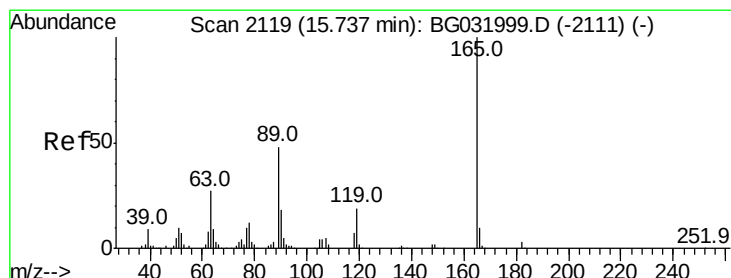
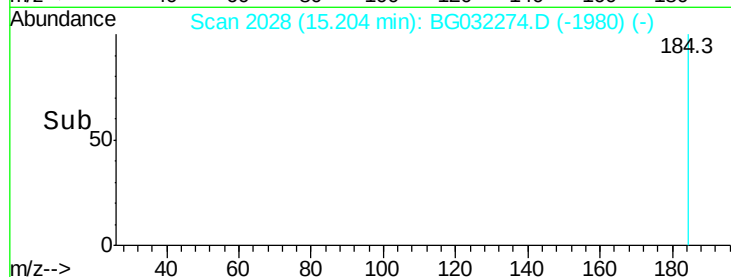
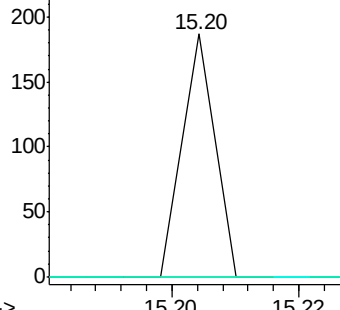
#53
 2,4-Dinitrophenol
 Concen: 7.025 ng
 RT: 15.20 min Scan# 2028
 Delta R.T. -0.25 min
 Lab File: BG032274.D
 Acq: 24 Jan 2018 23:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 66
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

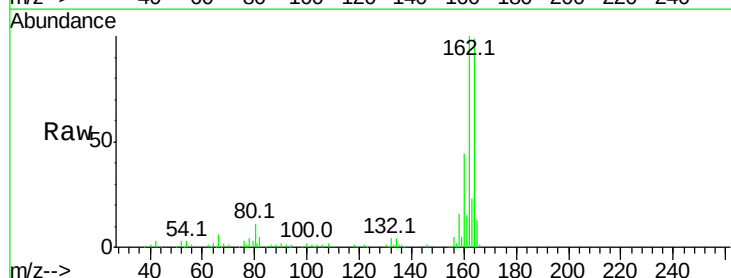


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

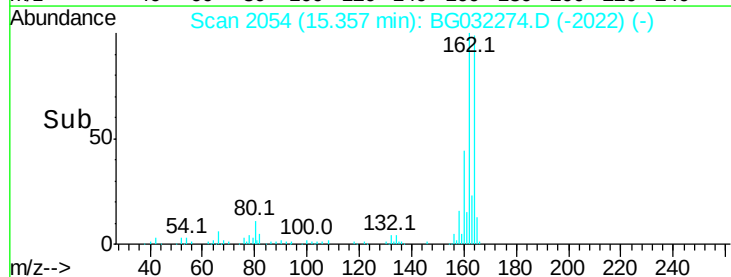
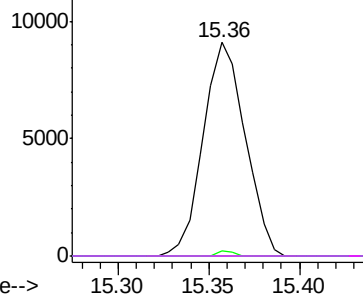


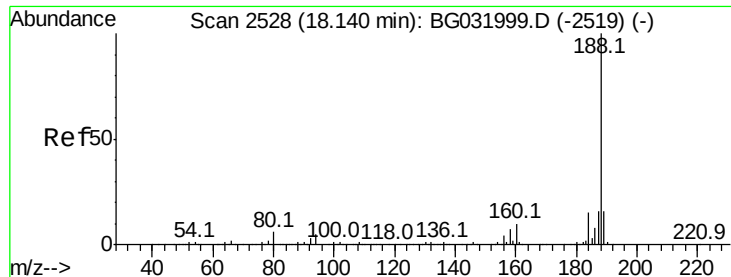
#56
 2,4-Dinitrotoluene
 Concen: 5.570 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032274.D
 Acq: 24 Jan 2018 23:26

Tgt Ion:165 Resp: 14776
 Ion Ratio Lower Upper
 165 100
 63 2.2 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

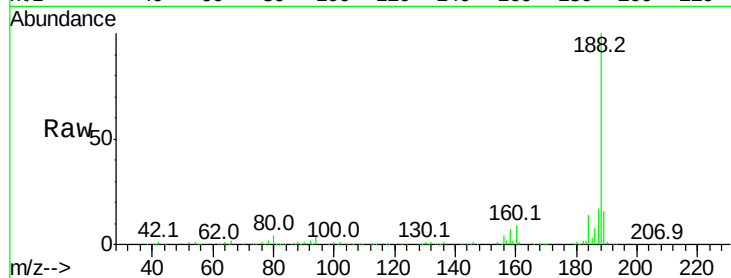




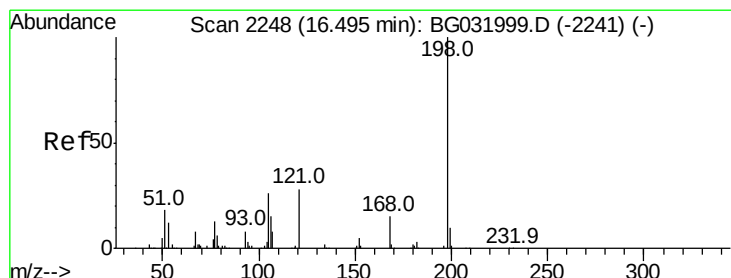
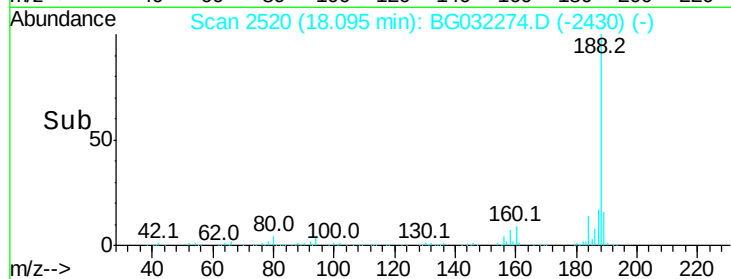
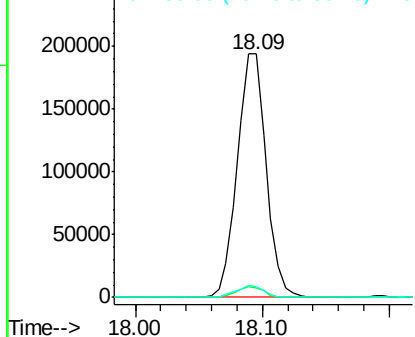
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 305551
Ion Ratio Lower Upper
188 100
94 3.9 6.9 10.3#
80 4.3 7.7 11.5#

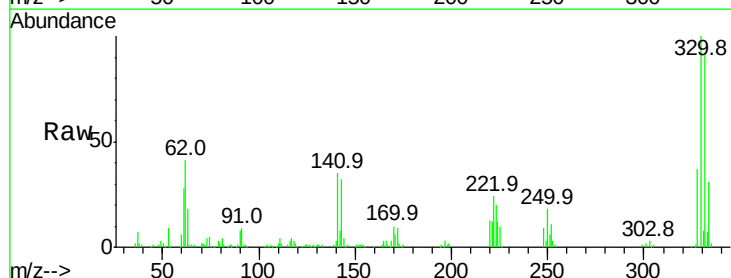


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

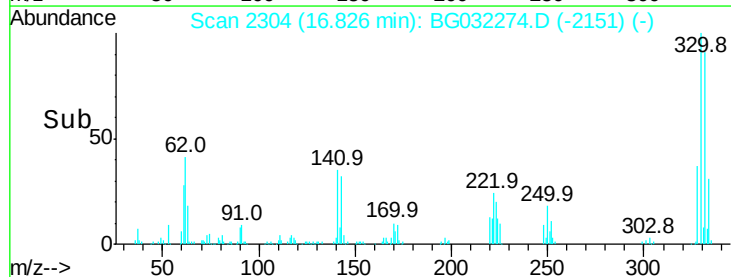
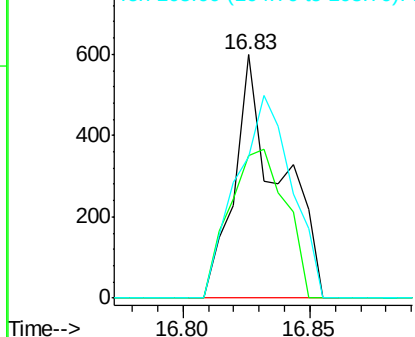


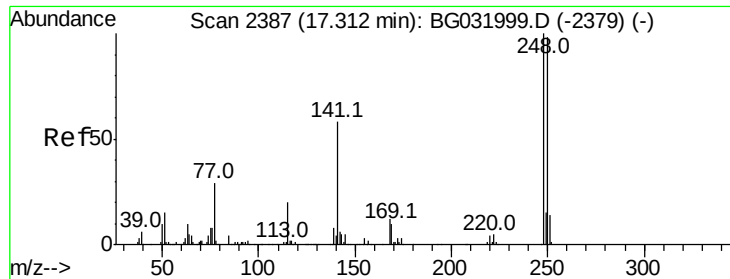
#64
4,6-Dinitro-2-methylphenol
Concen: 5.224 ng
RT: 16.83 min Scan# 2304
Delta R.T. 0.37 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Tgt Ion:198 Resp: 739
Ion Ratio Lower Upper
198 100
51 58.6 30.6 70.6
105 58.3 23.8 63.8



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

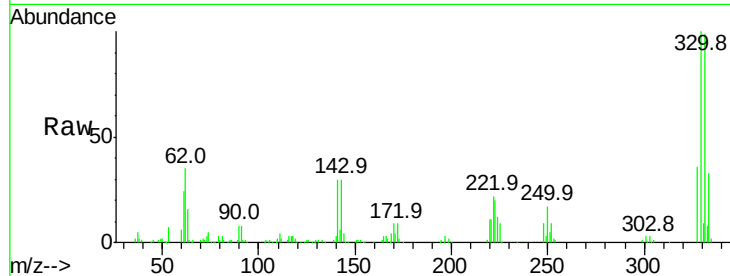




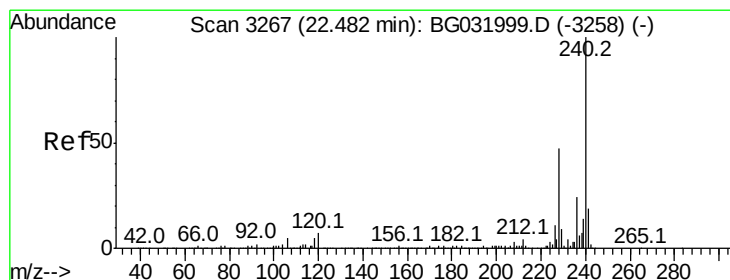
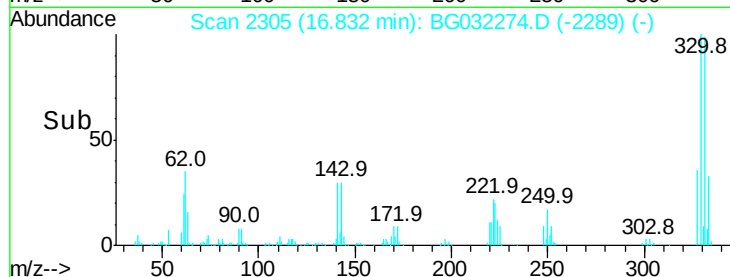
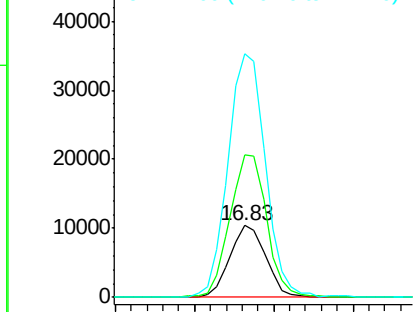
#66
4-Bromophenyl-phenylether
Concen: 3.775 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16413
Ion Ratio Lower Upper
248 100
250 198.5 77.1 115.7#
141 338.0 50.8 76.2#

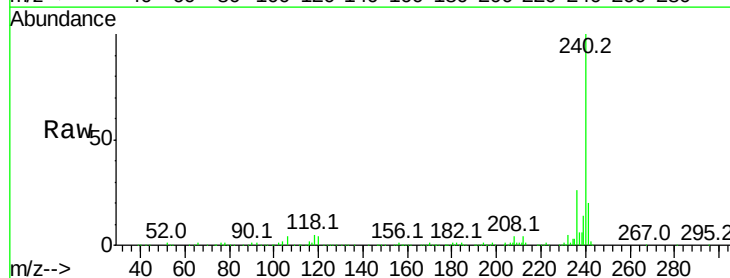


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

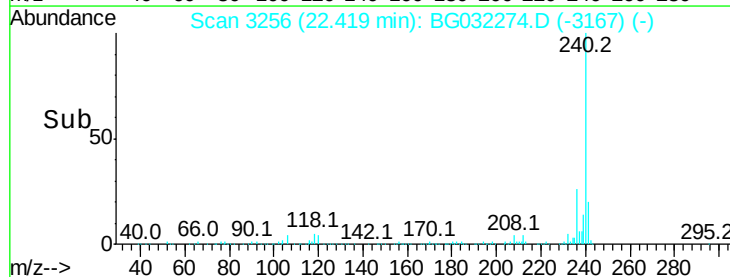
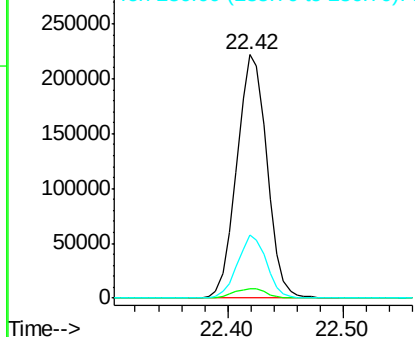


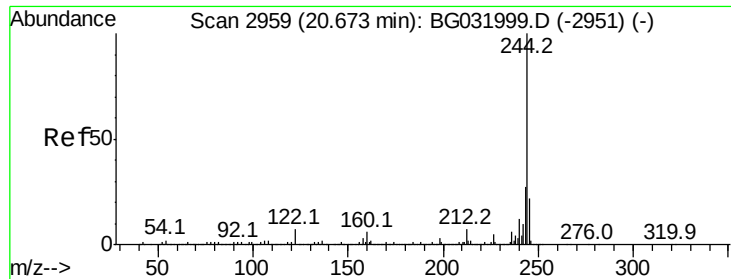
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032274.D
Acq: 24 Jan 2018 23:26

Tgt Ion:240 Resp: 402006
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 26.1 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



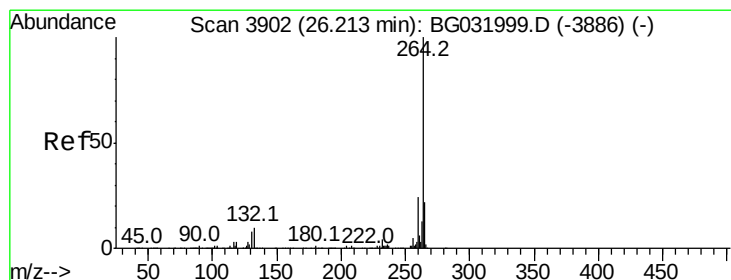
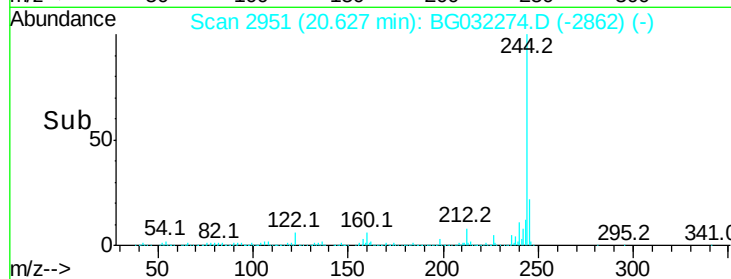
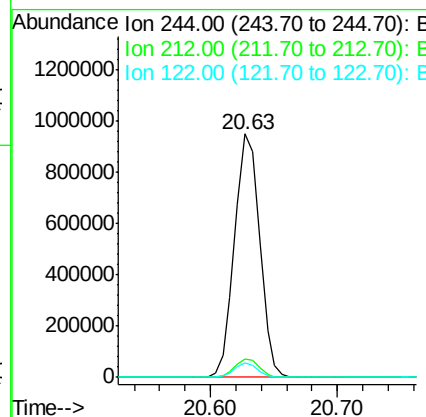
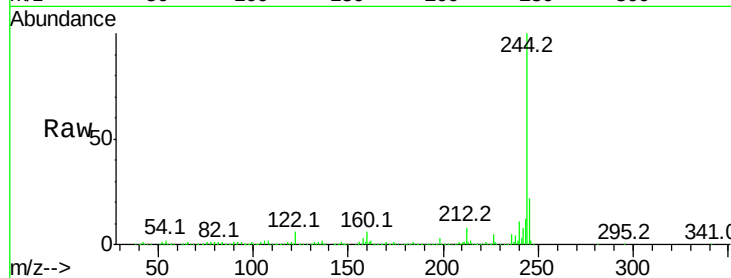


#78
 Terphenyl-d14
 Concen: 71.490 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.01 min
 Lab File: BG032274.D
 Acq: 24 Jan 2018 23:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1301579

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	5.7	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032274.D
 Acq: 24 Jan 2018 23:26

Tgt Ion:264 Resp: 411816

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.9	17.7	26.5

