

Data Path : U:\HPCHEM1\BNA G\DATA\BG010518\
 Data File : BG031941.D
 Acq On : 5 Jan 2018 20:22
 Operator : SJ/JU
 Sample : J1012-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 23:13:00 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	51626	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	214771	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	157112	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	425706	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	476361	20.00	ng	-0.03
86) Perylene-d12	26.23	264	462674	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	324664	114.54	ng	0.00
7) Phenol-d6	7.89	99	382748	104.01	ng	0.00
23) Nitrobenzene-d5	9.98	82	258136	90.76	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	337985	140.99	ng	-0.01
44) 2-Fluorobiphenyl	14.04	172	922546	73.70	ng	-0.01
78) Terphenyl-d14	20.68	244	1841109	88.30	ng	-0.02

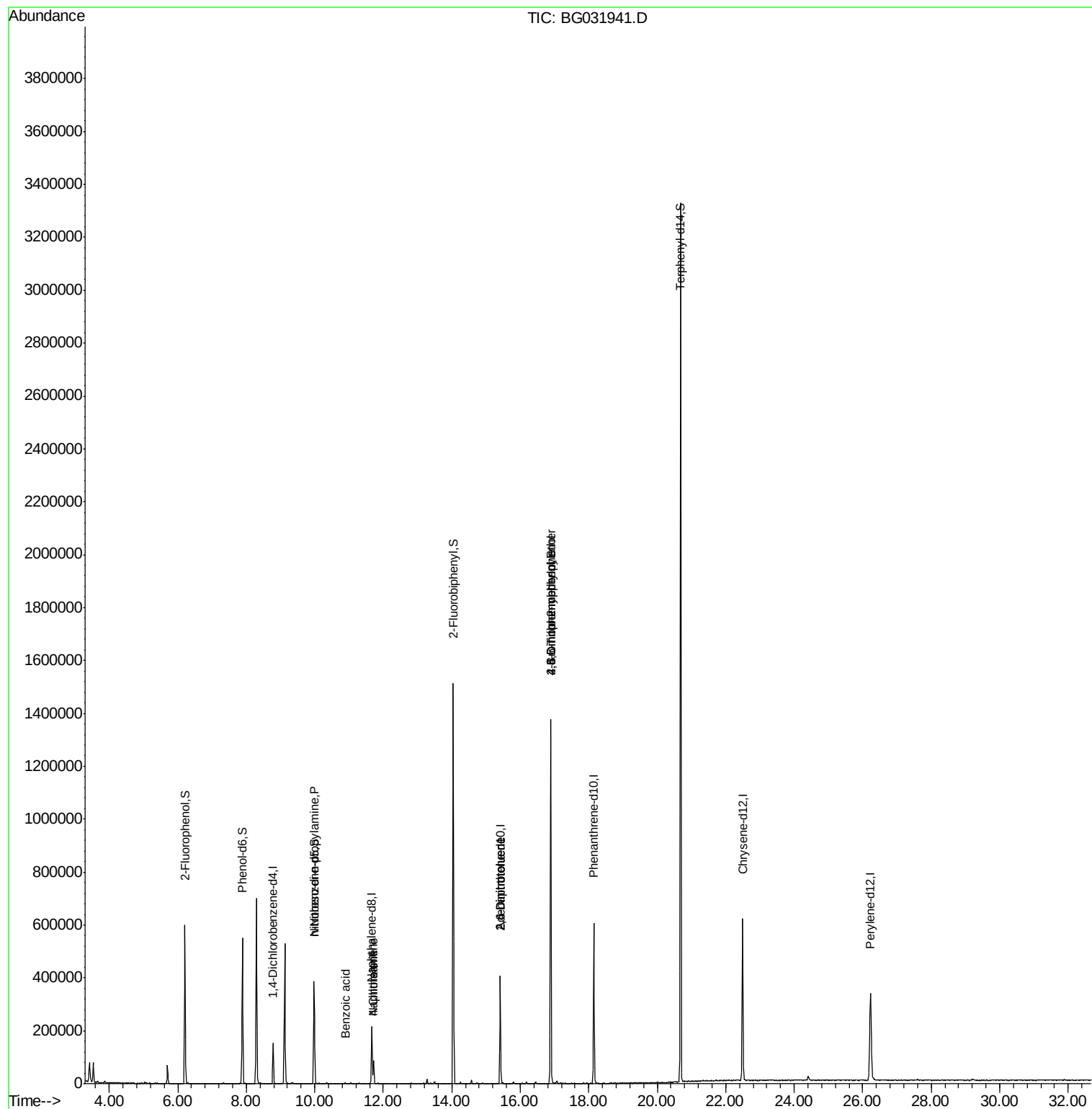
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.98	70	33497	13.328	ng	# 73
31) Naphthalene	11.71	128	85295	7.869	ng	# 98
32) Benzoic acid	10.91	122	64	6.720	ng	# 1
33) 4-Chloroaniline	11.72	127	11809	2.447	ng	# 34
50) 2,6-Dinitrotoluene	15.41	165	20100	7.894	ng	# 20
56) 2,4-Dinitrotoluene	15.41	165	20100	6.139	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.89	198	917	8.672	ng	# 47
66) 4-Bromophenyl-phenylether	16.89	248	27274	4.431	ng	# 1

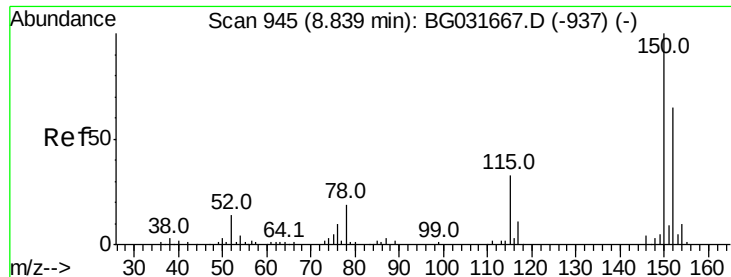
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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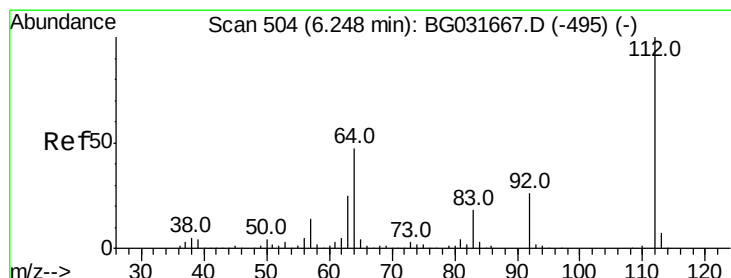
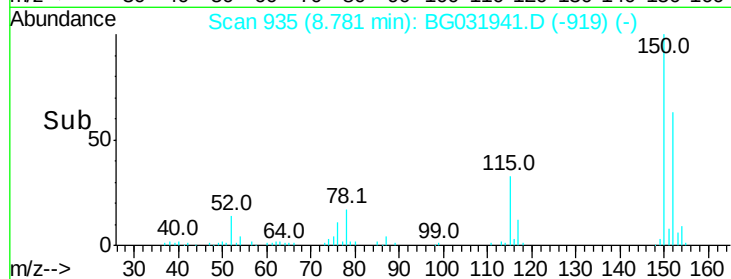
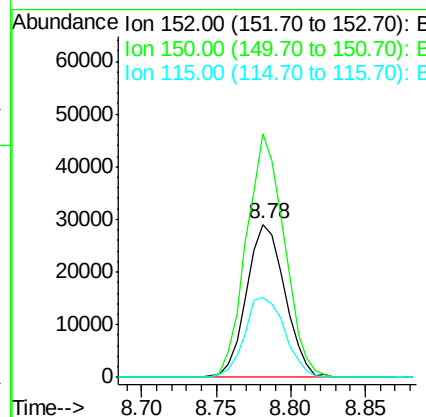
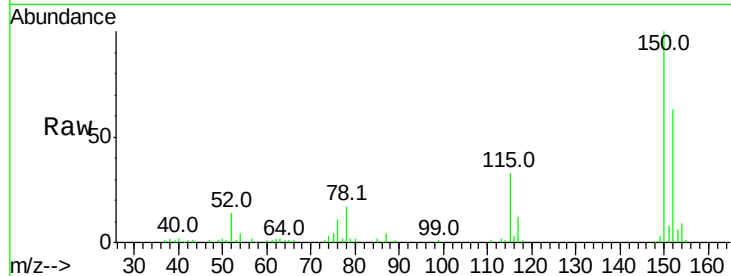


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Instrument :
BNA_G
ClientSampleId :

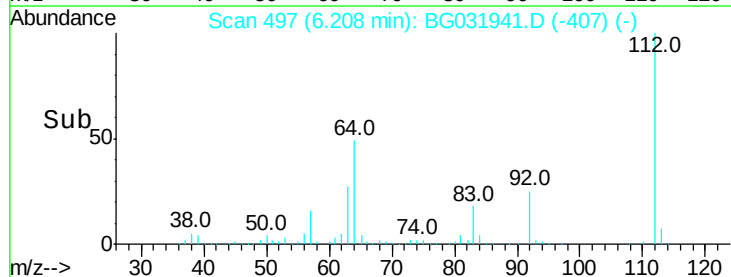
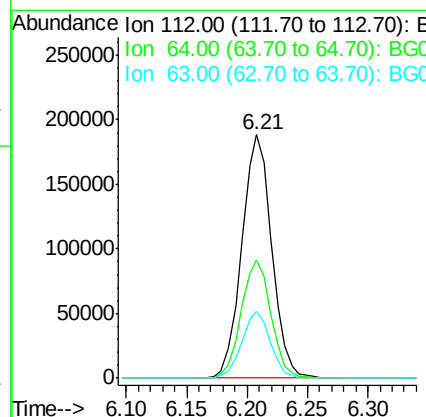
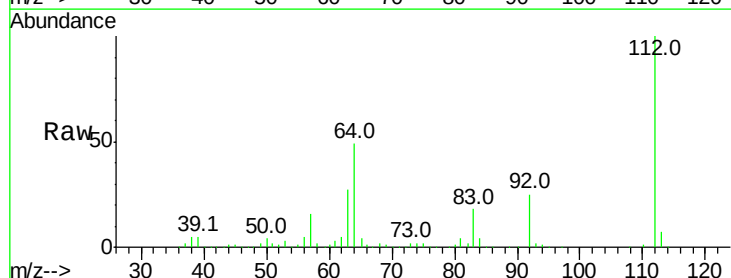
Tot Ion:152 Resp: 51626
Ion Ratio Lower Upper
152 100
150 159.1 126.6 189.8
115 52.5 53.0 79.4#

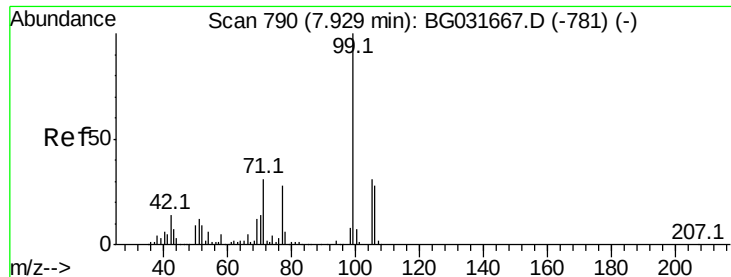


#5

2-Fluorophenol
Concen: 114.543 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion:112 Resp: 324664
Ion Ratio Lower Upper
112 100
64 48.6 56.3 84.5#
63 27.4 30.1 45.1#





#7

Phenol-d6

Concen: 104.007 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031941.D

Acq: 5 Jan 2018 20:22

Instrument :

BNA_G

ClientSampled :

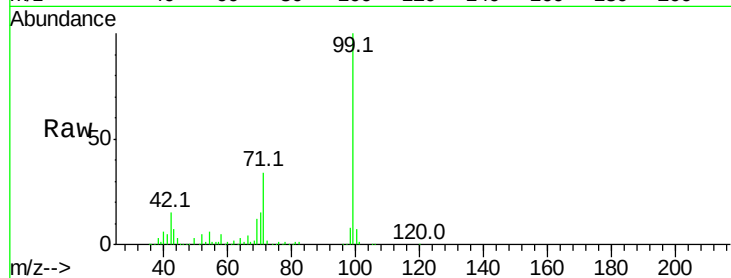
Tot Ion: 99 Resp: 382748

Ion Ratio Lower Upper

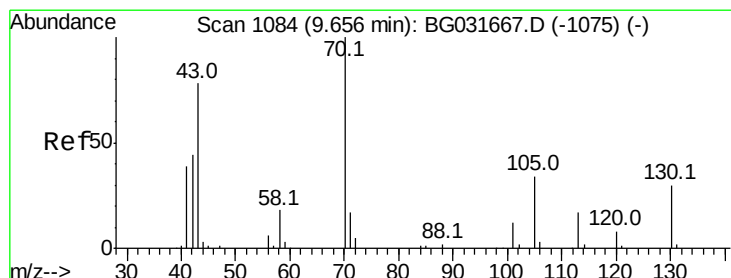
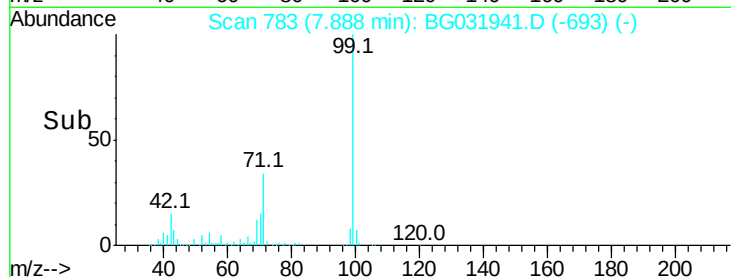
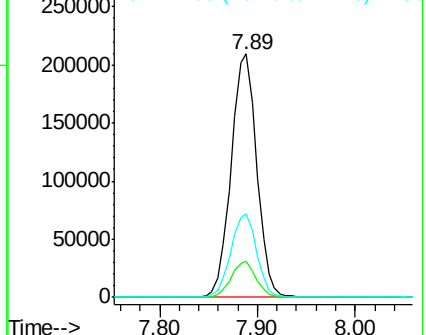
99 100

42 14.8 14.1 21.1

71 34.3 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: 13.328 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.37 min

Lab File: BG031941.D

Acq: 5 Jan 2018 20:22

Tgt Ion: 70 Resp: 33497

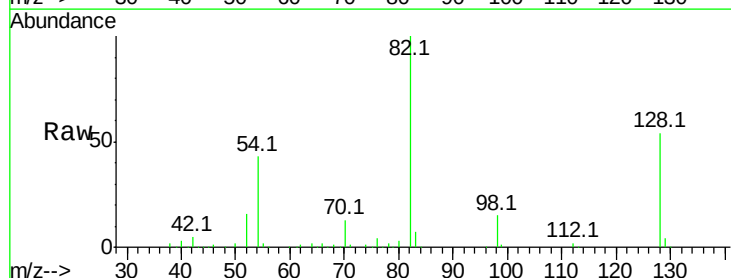
Ion Ratio Lower Upper

70 100

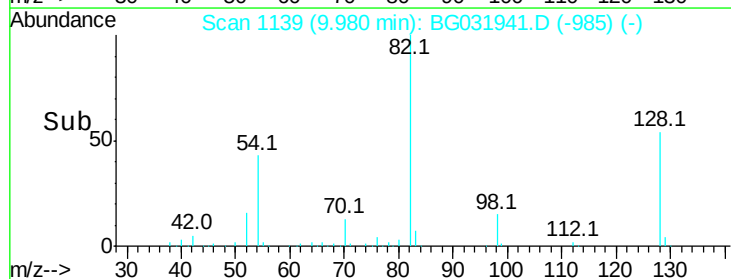
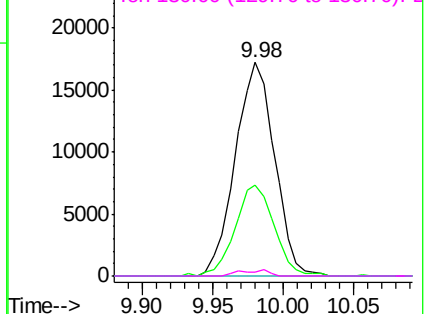
42 42.6 49.1 73.7#

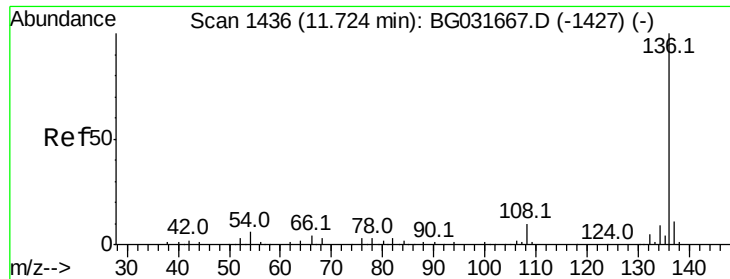
101 0.0 8.5 12.7#

130 1.7 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

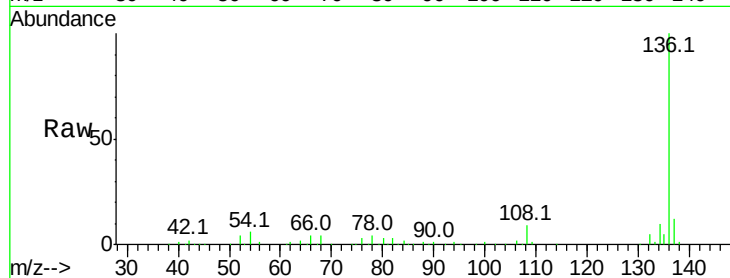




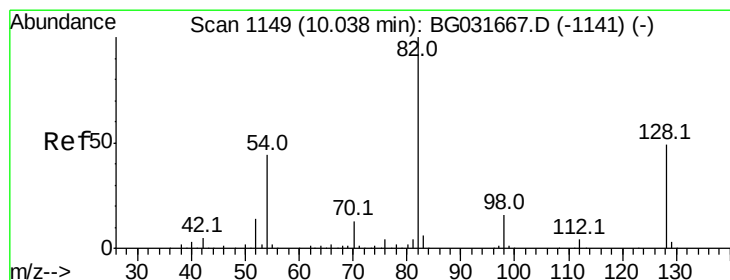
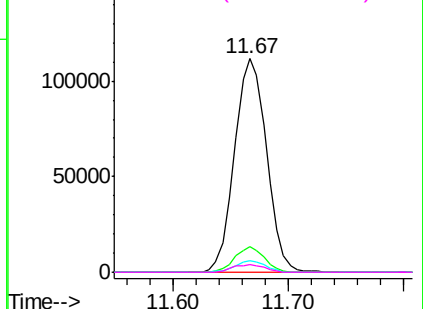
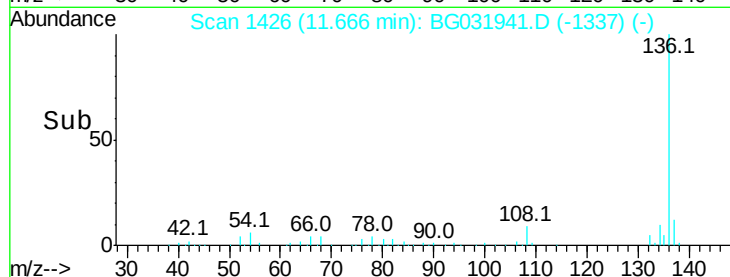
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	5.7	10.3	15.5#
68	3.6	4.5	6.7#

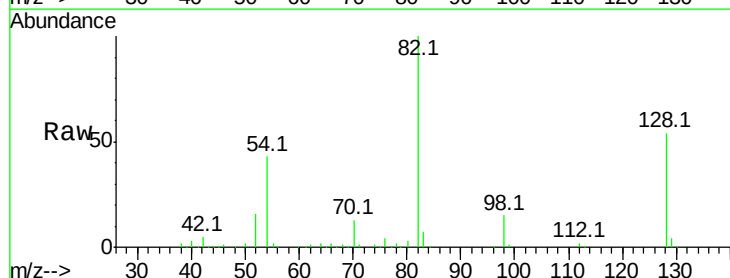


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

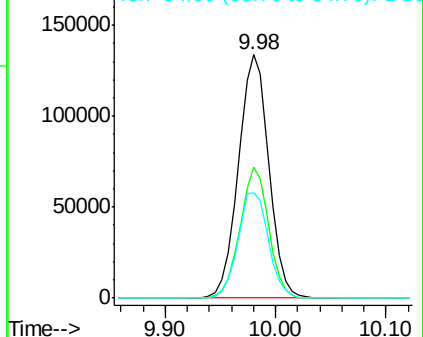
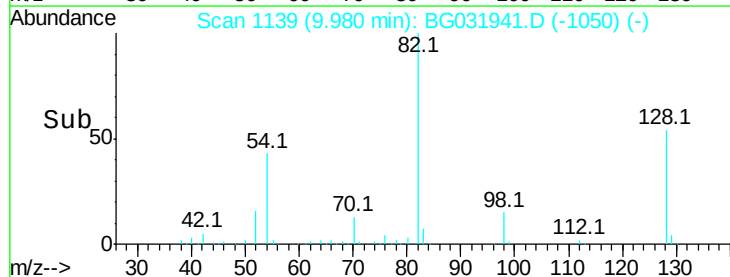


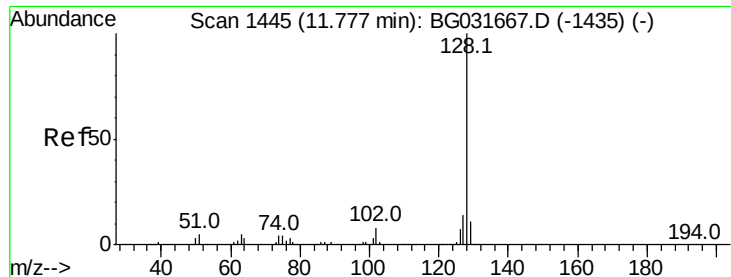
#23
Nitrobenzene-d5
Concen: 90.759 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.7	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

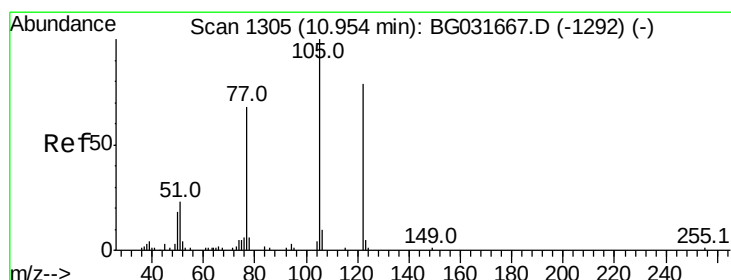
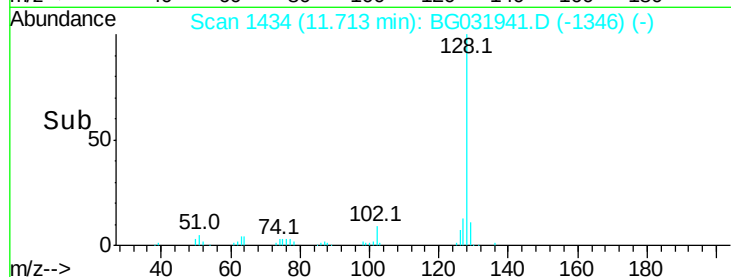
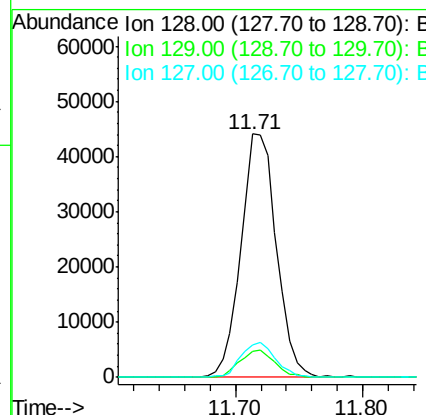
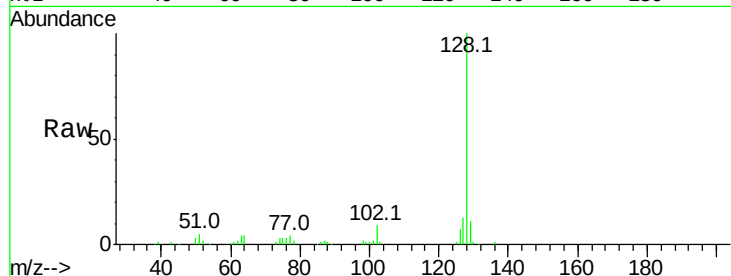




#31
Naphthalene
Concen: 7.869 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

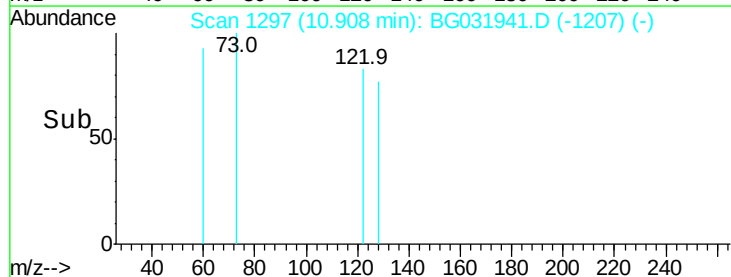
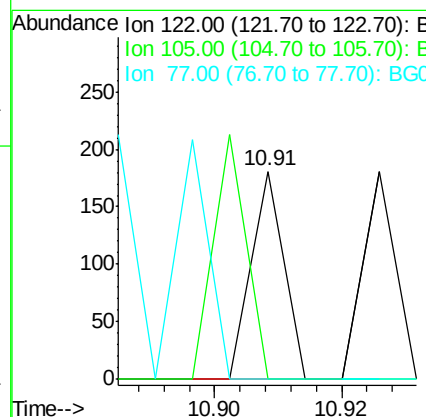
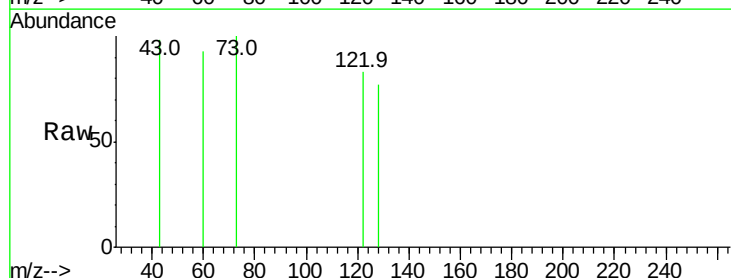
Instrument :
BNA_G
ClientSampleId :

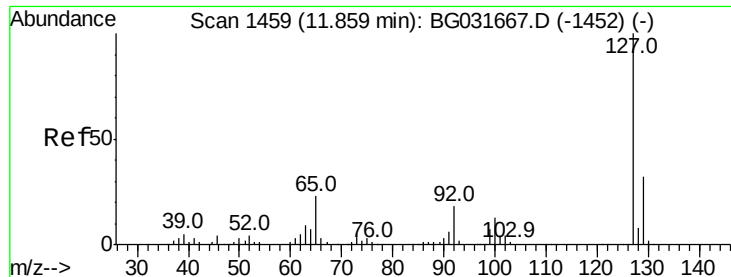
Tot Ion:128 Resp: 85295
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.4 11.6 17.4



#32
Benzoic acid
Concen: 6.720 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

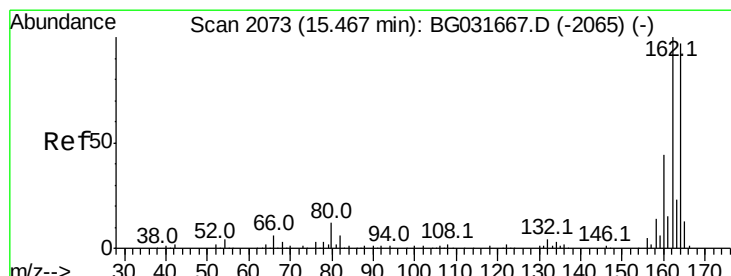
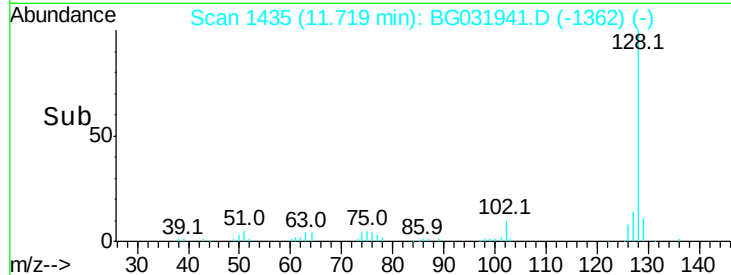
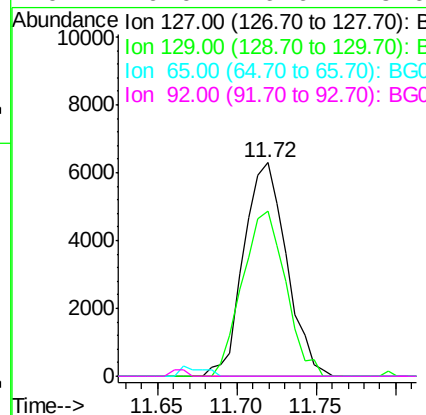
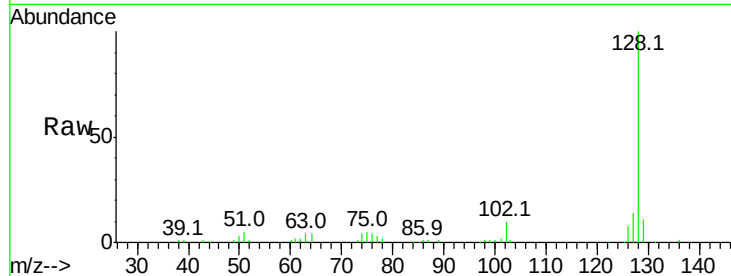




#33
4-Chloroaniline
Concen: 2.447 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.10 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

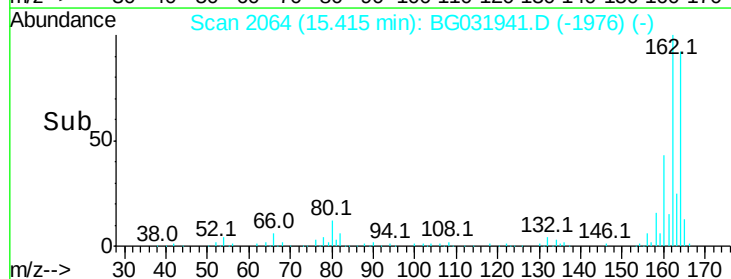
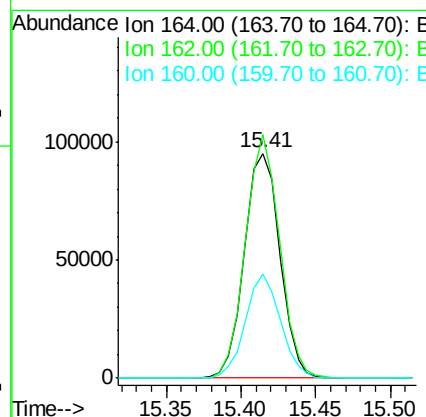
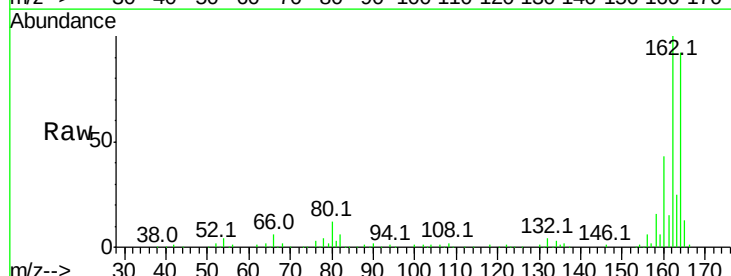
Instrument :
BNA_G
ClientSampleId :

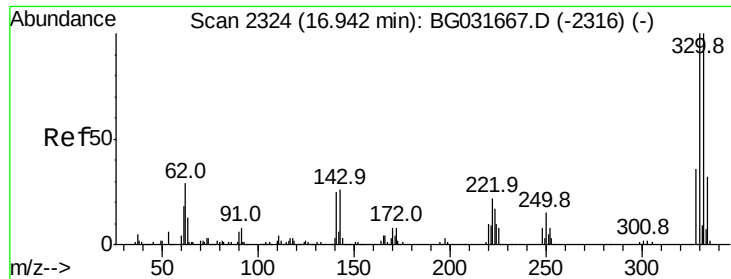
Tot Ion:	127	Resp:	11809
Ion	Ratio	Lower	Upper
127	100		
129	77.4	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion:	164	Resp:	157112
Ion	Ratio	Lower	Upper
164	100		
162	108.5	78.8	118.2
160	46.6	35.4	53.0

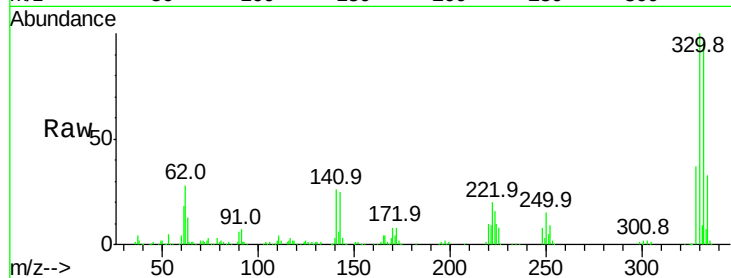




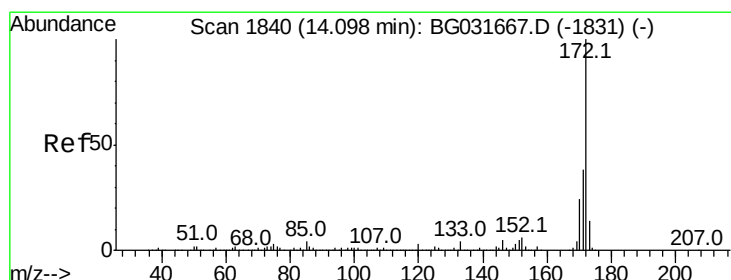
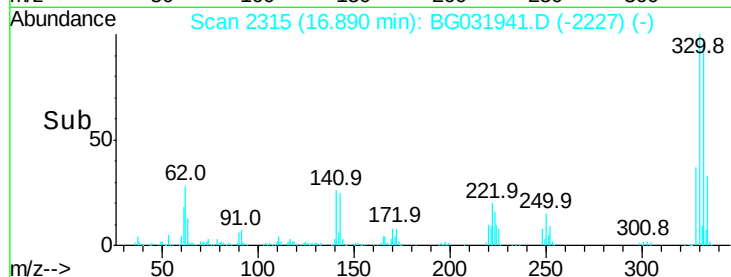
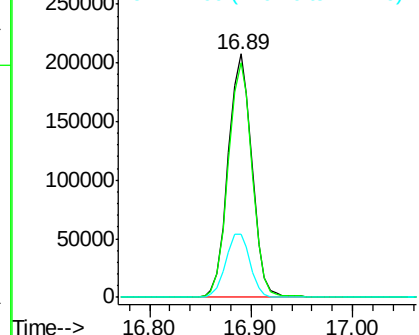
#41
 2,4,6-Tribromophenol
 Concen: 140.985 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031941.D
 Acq: 5 Jan 2018 20:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	26.9	25.2	37.8

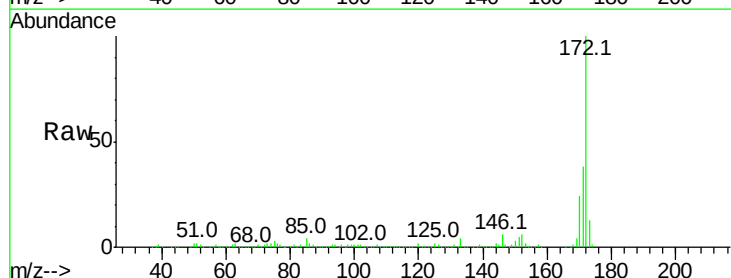


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

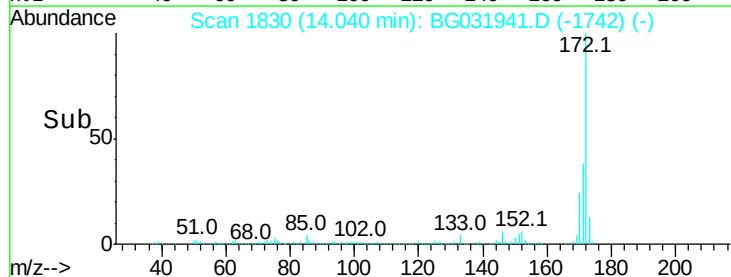
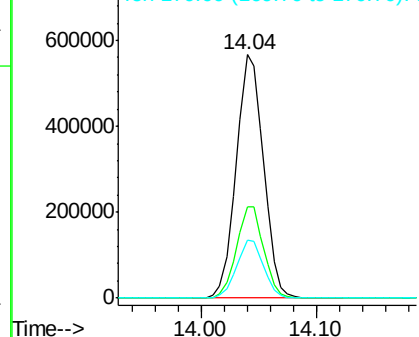


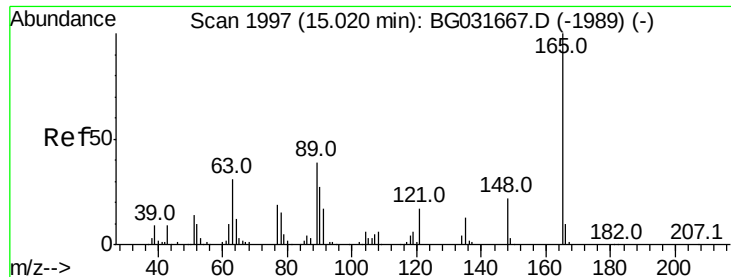
#44
 2-Fluorobiphenyl
 Concen: 73.700 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031941.D
 Acq: 5 Jan 2018 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.6	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

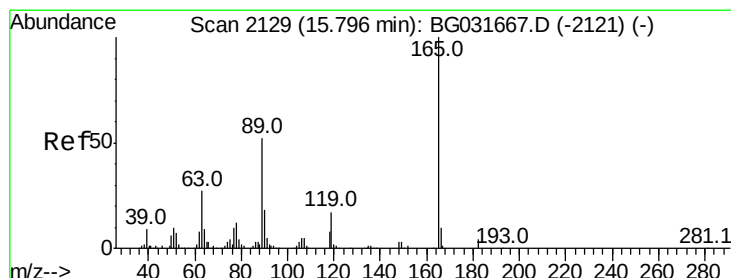
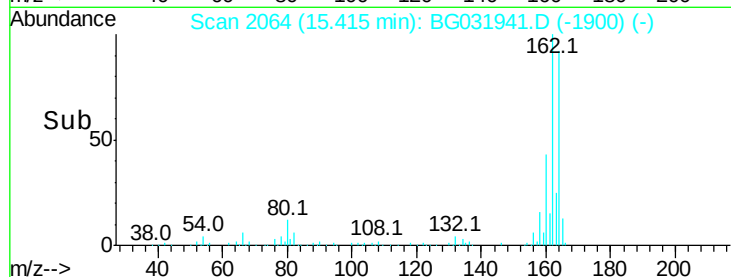
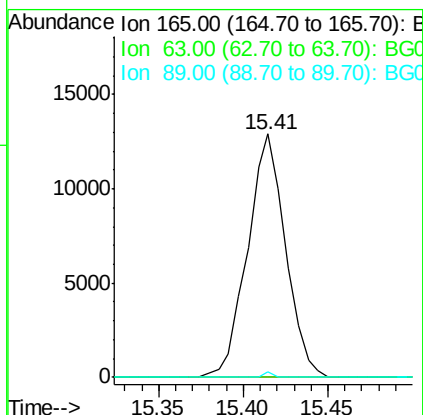
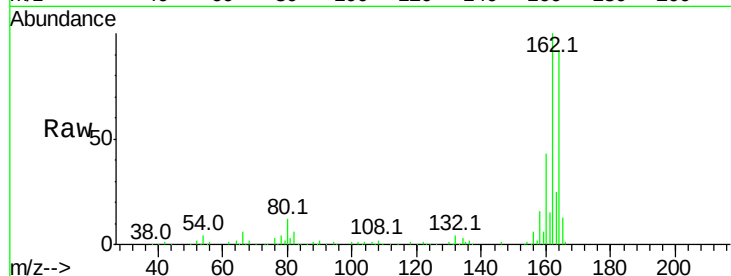




#50
2,6-Dinitrotoluene
Concen: 7.894 ng
RT: 15.41 min Scan# 2064
Delta R.T. 0.43 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

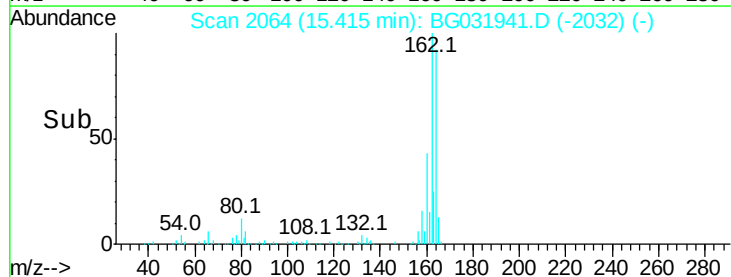
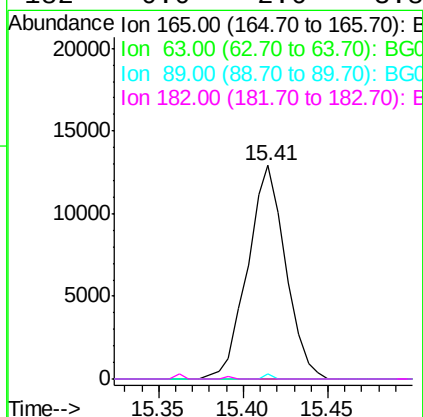
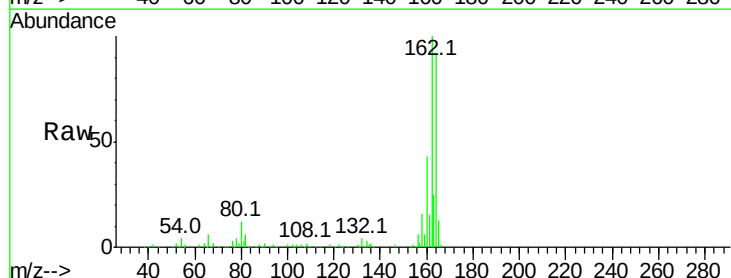
Instrument :
BNA_G
ClientSampleId :

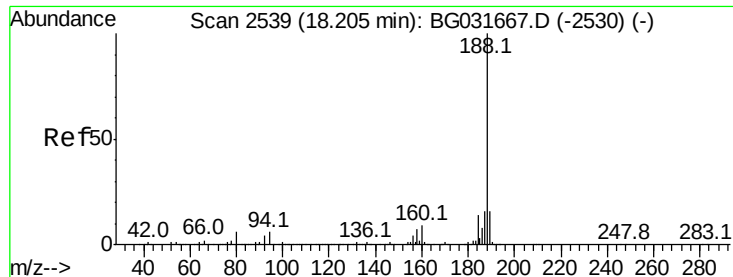
Tot Ion:165 Resp: 20100
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.2 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.139 ng
RT: 15.41 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion:165 Resp: 20100
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#

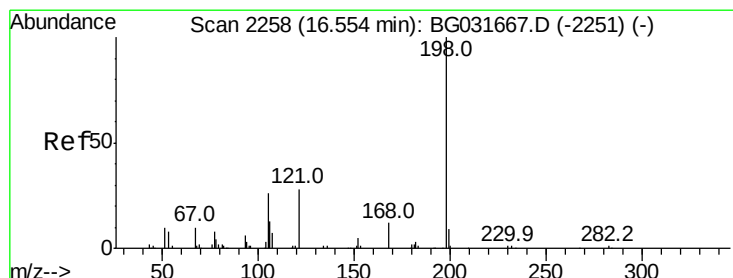
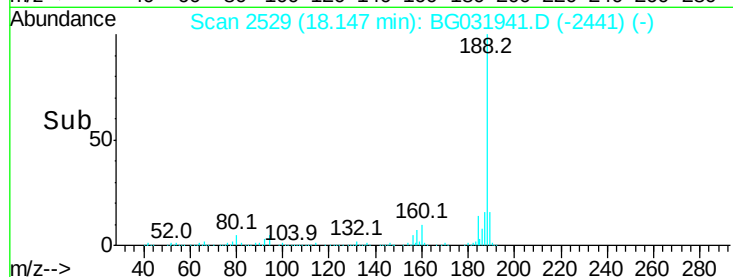
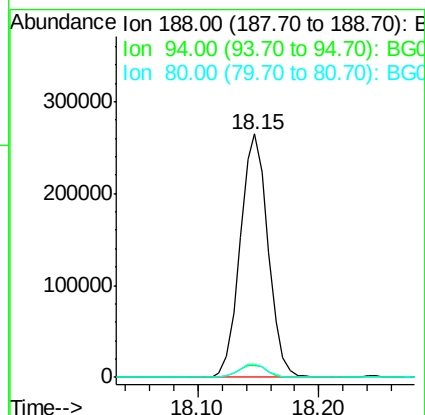
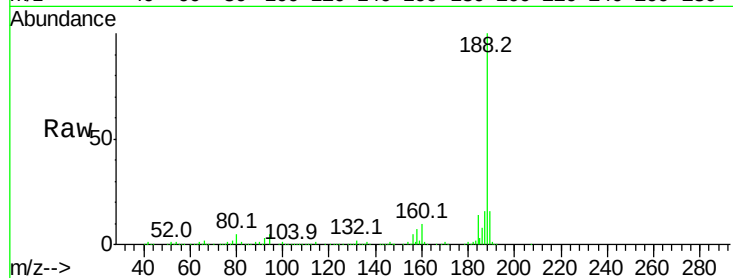




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.15 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

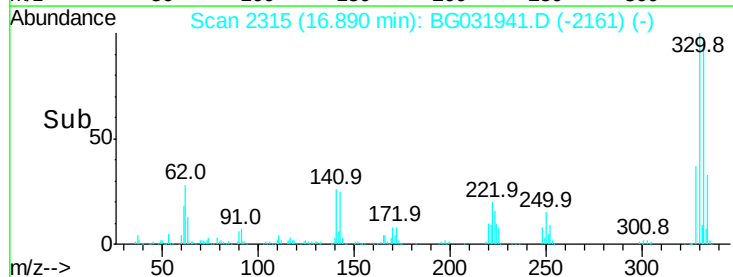
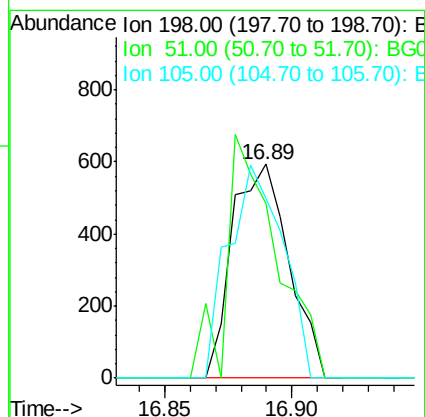
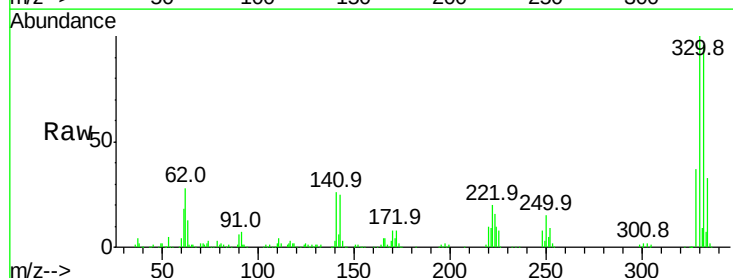
Instrument :
BNA_G
ClientSampleId :

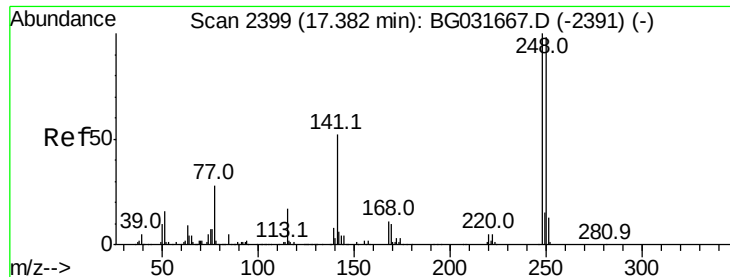
Tot Ion:188 Resp: 425706
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 5.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.672 ng
RT: 16.89 min Scan# 2315
Delta R.T. 0.37 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion:198 Resp: 917
Ion Ratio Lower Upper
198 100
51 81.5 30.6 70.6#
105 83.8 23.8 63.8#

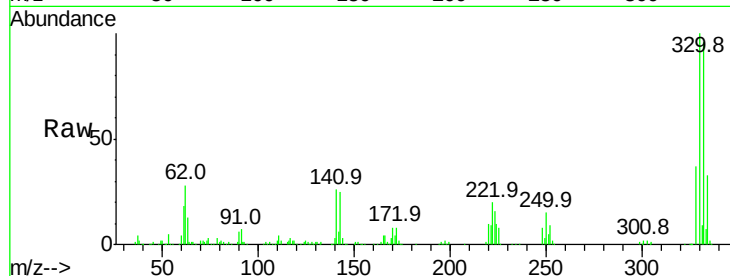




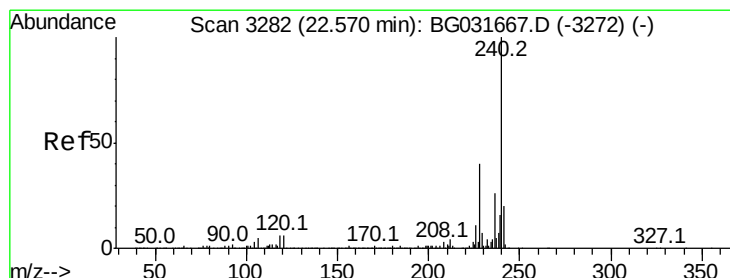
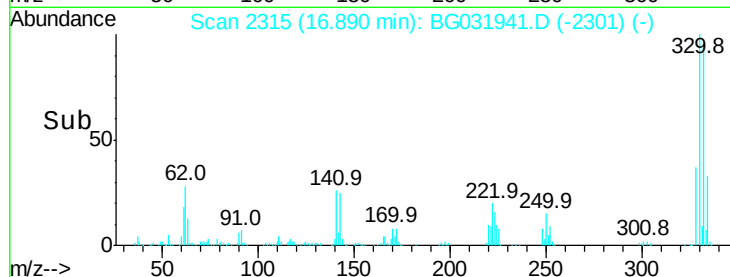
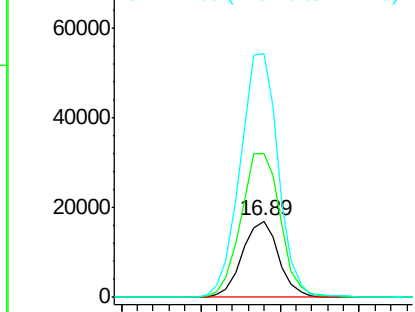
#66
4-Bromophenyl-phenylether
Concen: 4.431 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.45 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 27274
Ion Ratio Lower Upper
248 100
250 187.2 77.1 115.7#
141 318.0 50.8 76.2#

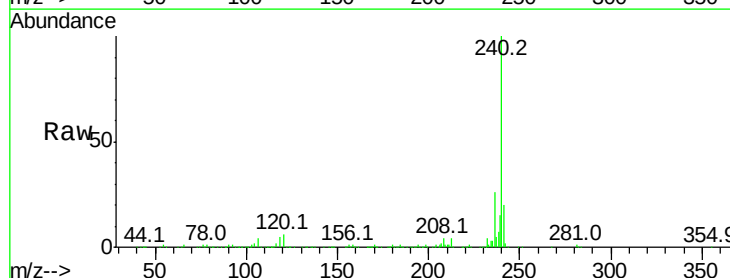


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

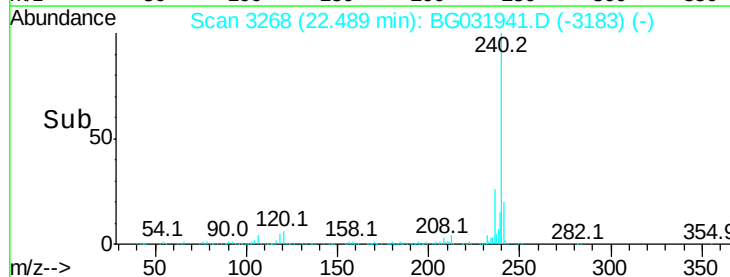
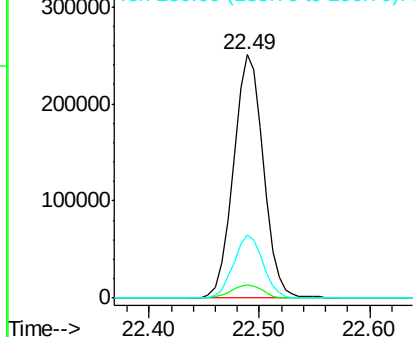


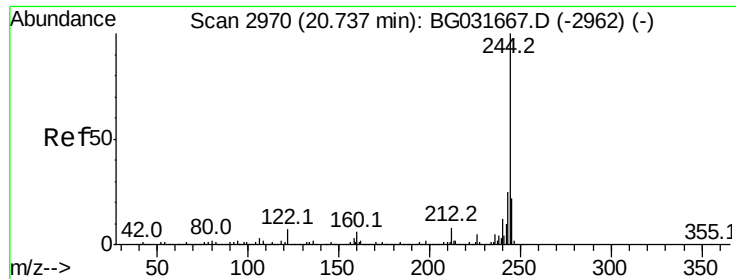
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.03 min
Lab File: BG031941.D
Acq: 5 Jan 2018 20:22

Tgt Ion:240 Resp: 476361
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 25.8 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: 88.300 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.02 min

Lab File: BG031941.D

Acq: 5 Jan 2018 20:22

Instrument :

BNA_G

ClientSampleId :

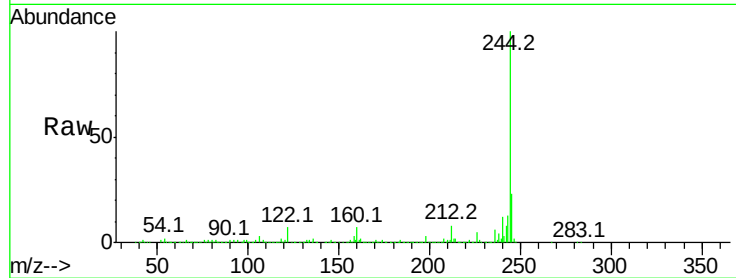
Tot Ion:244 Resp: 1841109

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

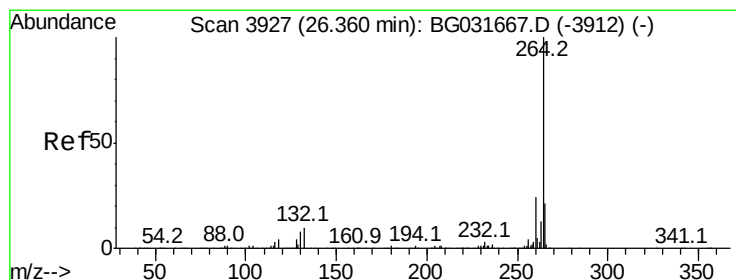
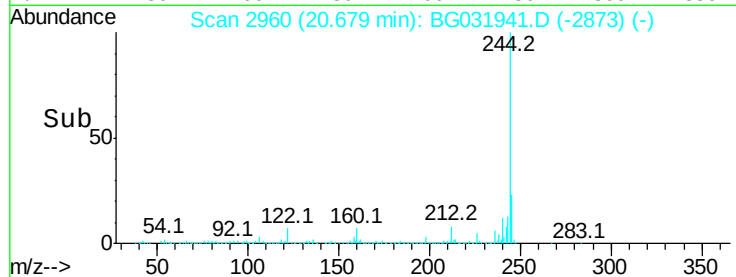
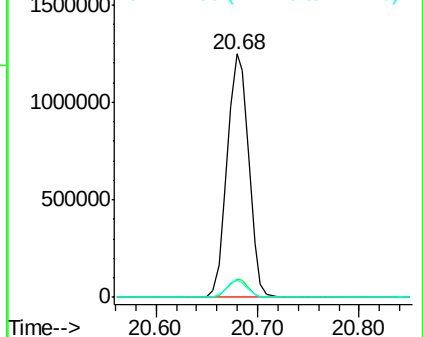
122 6.9 7.0 10.4#



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: 26.23 min Scan# 3905

Delta R.T. -0.07 min

Lab File: BG031941.D

Acq: 5 Jan 2018 20:22

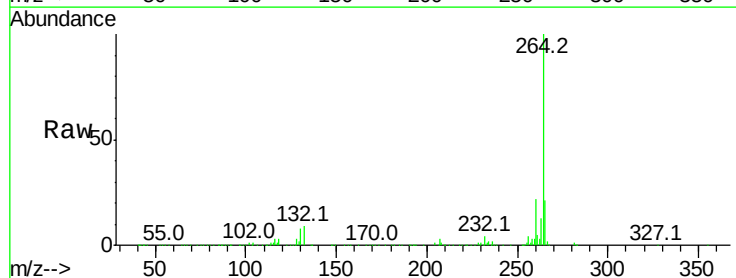
Tgt Ion:264 Resp: 462674

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 21.2 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

