

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032349.D
 Acq On : 27 Jan 2018 10:29
 Operator : SJ/JU
 Sample : PB105792BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 23:16:02 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

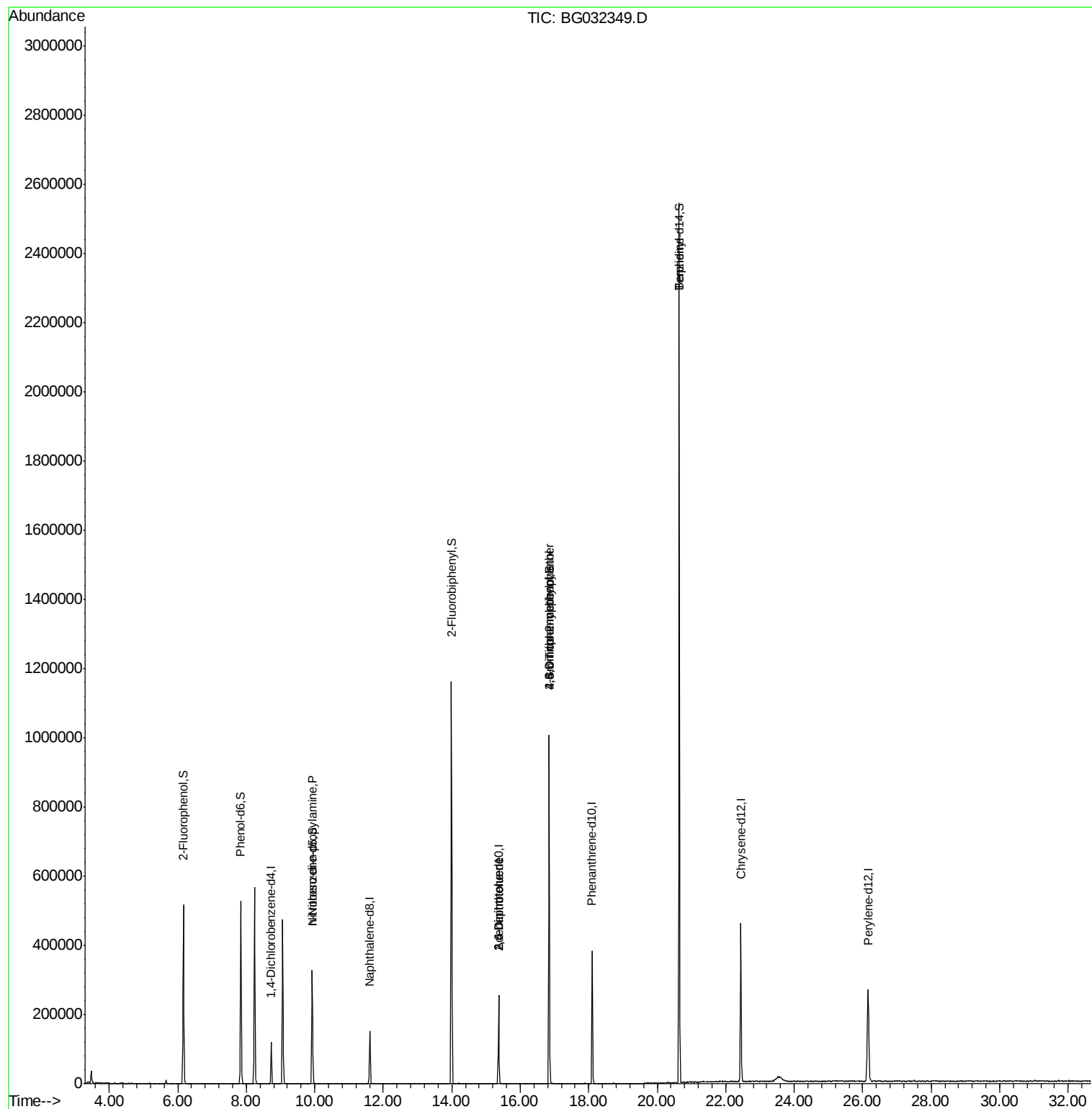
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	38752	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	150506	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	101716	20.00	ng	0.00
63) Phenanthrene-d10	18.10	188	269007	20.00	ng	0.00
75) Chrysene-d12	22.44	240	352484	20.00	ng	0.02
86) Perylene-d12	26.15	264	369716	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	254614	120.17	ng	0.00
7) Phenol-d6	7.84	99	305158	114.35	ng	0.00
23) Nitrobenzene-d5	9.93	82	192490	86.53	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	225274	133.84	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	677147	82.55	ng	0.00
78) Terphenyl-d14	20.64	244	1376425	86.22	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.93	70	27308	16.493	ng	# 76
50) 2,6-Dinitrotoluene	15.36	165	12837	6.948	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	12837	5.161	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.85	198	611	5.203	ng	# 18
66) 4-Bromophenyl-phenylether	16.84	248	19431	5.077	ng	# 1
76) Benzidine	20.64	184	19573	2.221	ng	# 92

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

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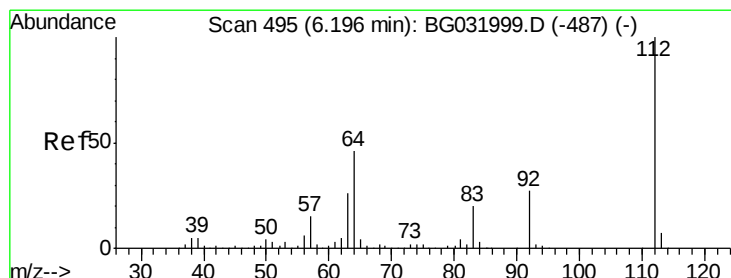
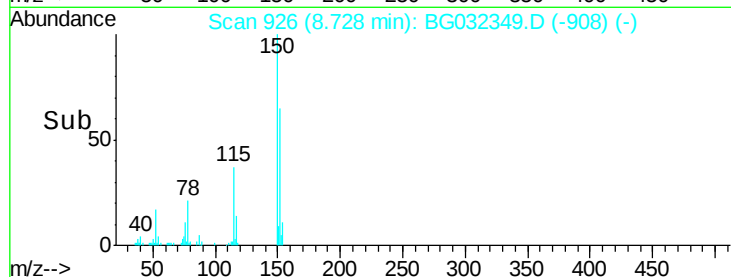
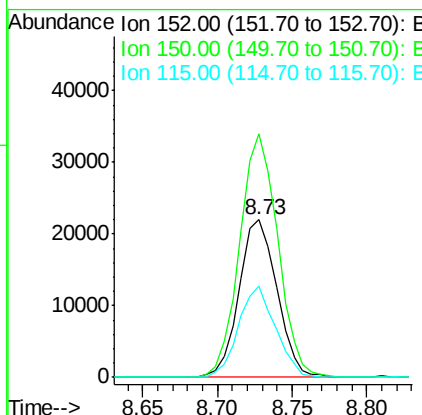
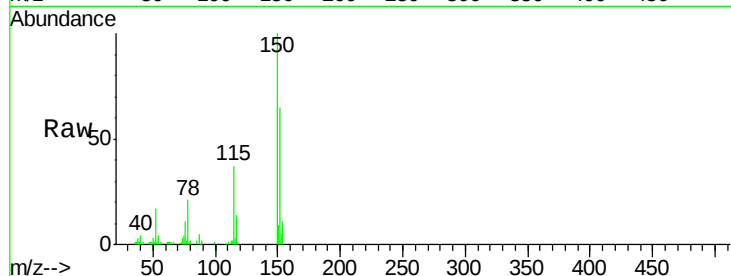


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 926
Delta R.T. 0.00 min
Lab File: BG032349.D
Acq: 27 Jan 2018 10:29

Instrument :
BNA_G
ClientSampleId :

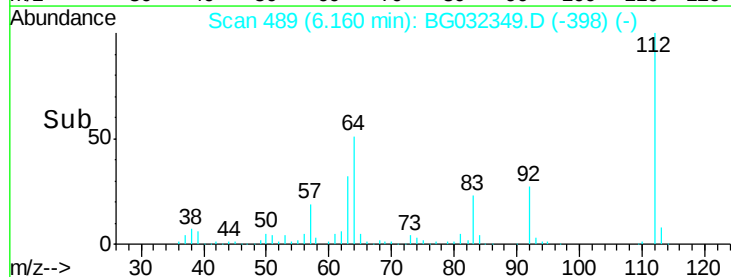
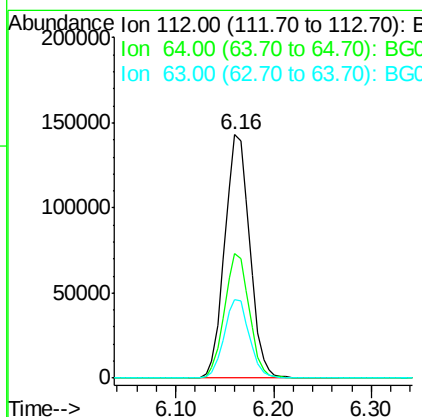
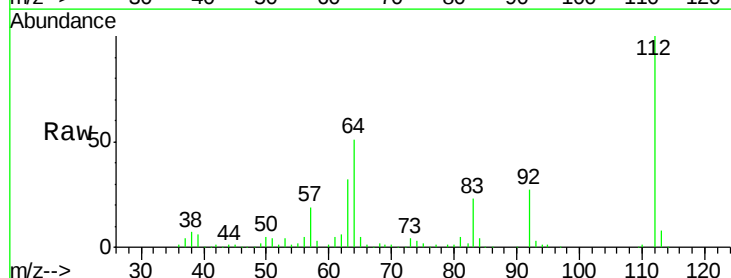
Tot Ion:152 Resp: 38752
Ion Ratio Lower Upper
152 100
150 154.8 126.6 189.8
115 57.9 53.0 79.4

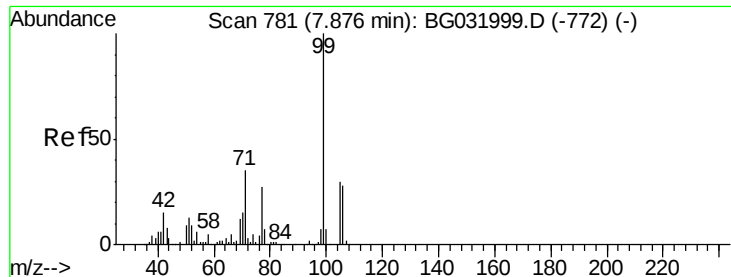


#5

2-Fluorophenol
Concen: 120.167 ng
RT: 6.16 min Scan# 489
Delta R.T. 0.00 min
Lab File: BG032349.D
Acq: 27 Jan 2018 10:29

Tgt Ion:112 Resp: 254614
Ion Ratio Lower Upper
112 100
64 51.4 56.3 84.5#
63 32.3 30.1 45.1





#7

Phenol-d6

Concen: 114.354 ng

RT: 7.84 min Scan# 775

Delta R.T. 0.00 min

Lab File: BG032349.D

Acq: 27 Jan 2018 10:29

Instrument :

BNA_G

ClientSampleId :

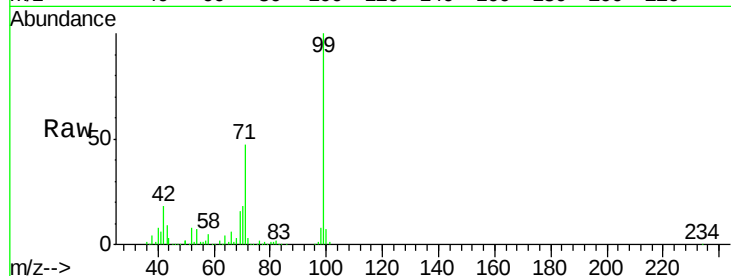
Tot Ion: 99 Resp: 305158

Ion Ratio Lower Upper

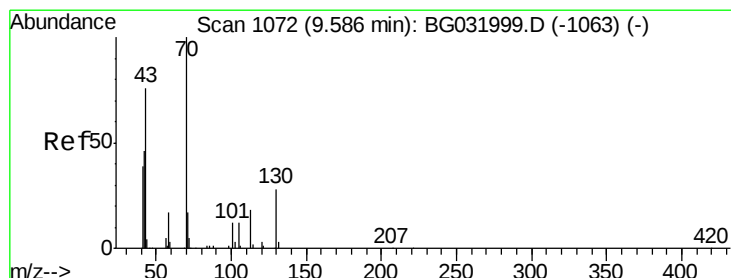
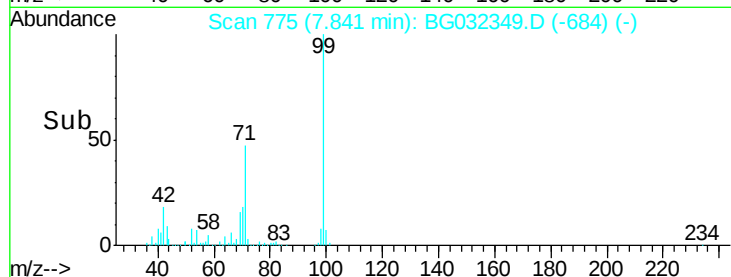
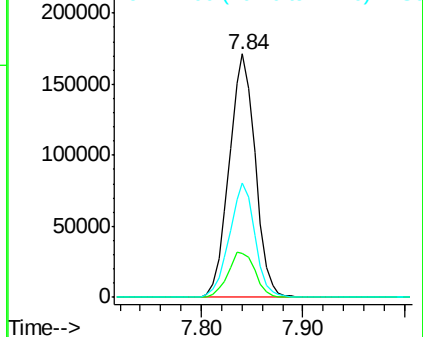
99 100

42 18.0 14.1 21.1

71 46.8 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: 16.493 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.39 min

Lab File: BG032349.D

Acq: 27 Jan 2018 10:29

Tgt Ion: 70 Resp: 27308

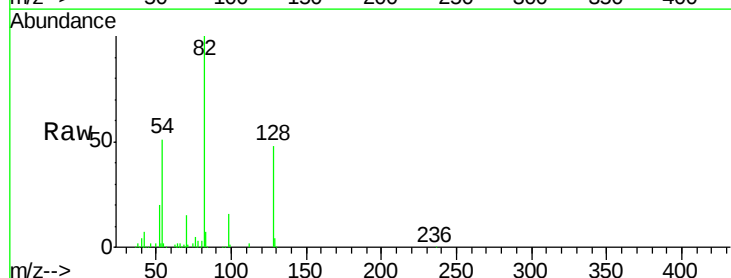
Ion Ratio Lower Upper

70 100

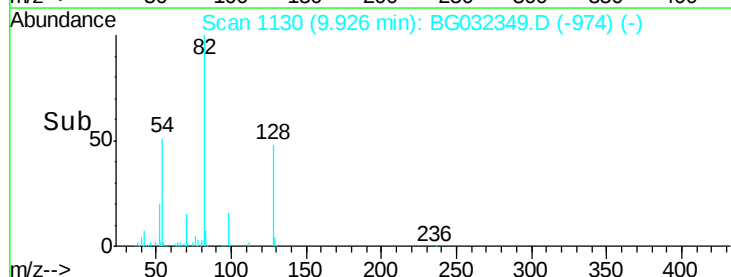
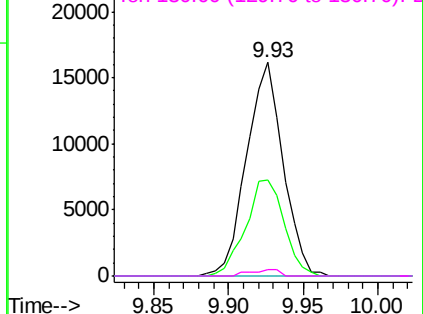
42 44.9 49.1 73.7#

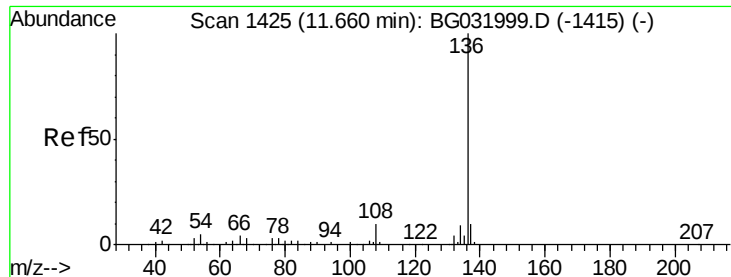
101 0.0 8.5 12.7#

130 3.2 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

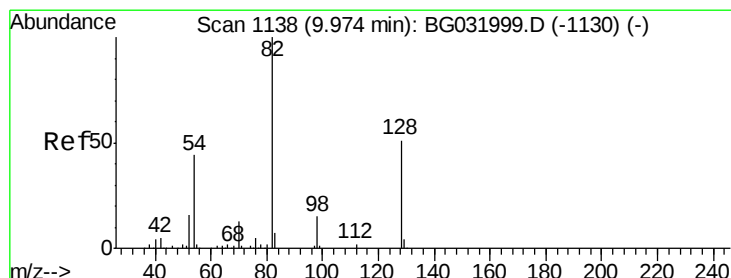
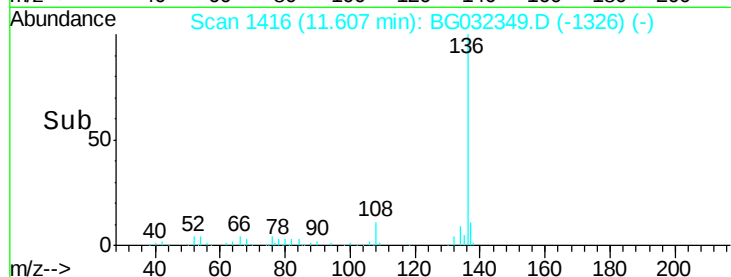
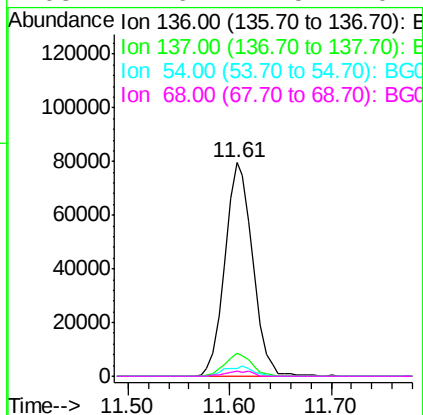
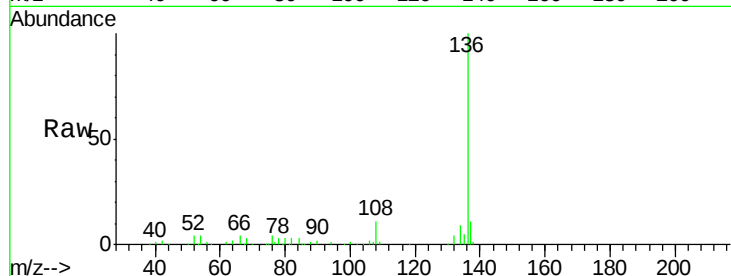




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG032349.D
Acq: 27 Jan 2018 10:29

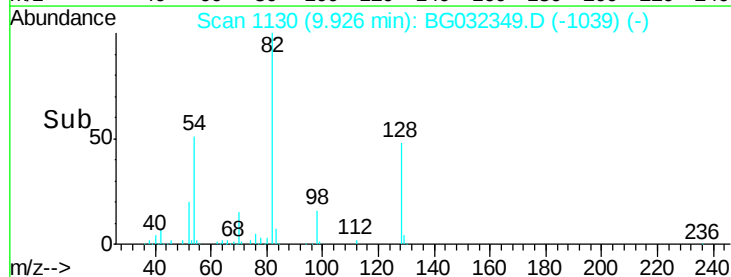
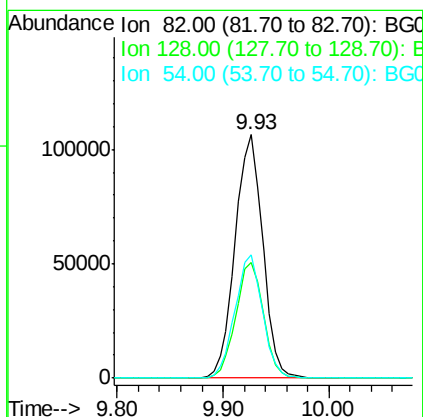
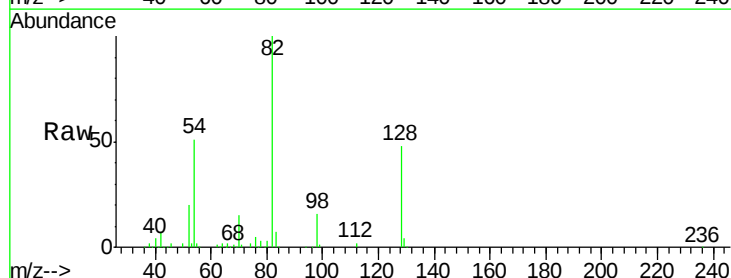
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	150506
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	3.9	10.3 15.5#
68	2.6	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 86.527 ng
RT: 9.93 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BG032349.D
Acq: 27 Jan 2018 10:29

Tgt Ion: 82	Resp:	192490
Ion Ratio	Lower	Upper
82	100	
128	47.6	29.7 44.5#
54	50.5	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.37 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BG032349.D

Acq: 27 Jan 2018 10:29

Instrument :

BNA_G

ClientSampleId :

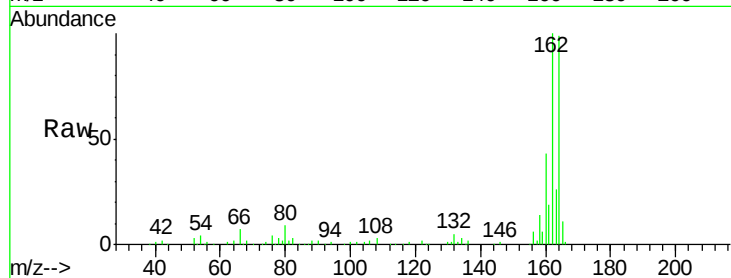
Tot Ion:164 Resp: 101716

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

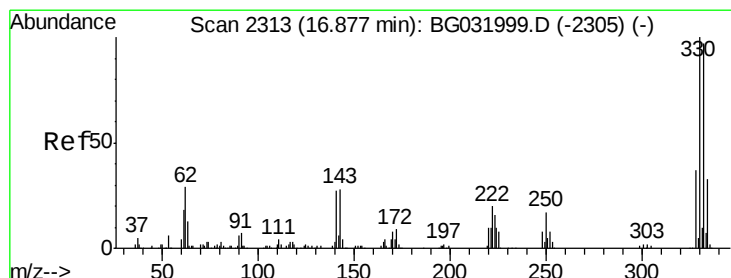
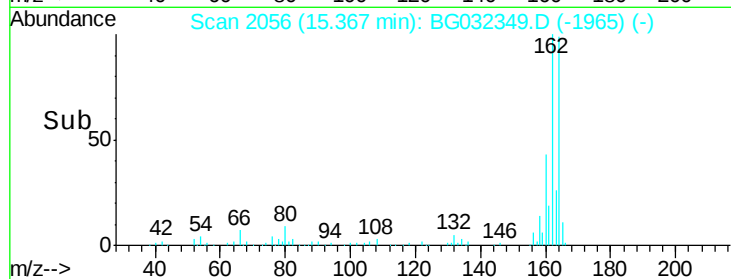
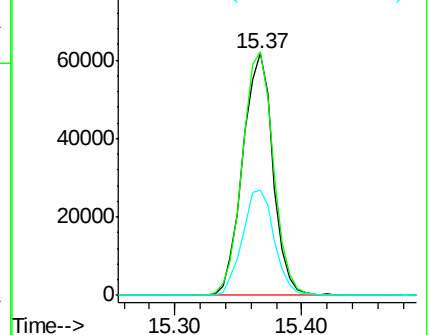
160 43.5 35.4 53.0



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: 133.840 ng

RT: 16.84 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BG032349.D

Acq: 27 Jan 2018 10:29

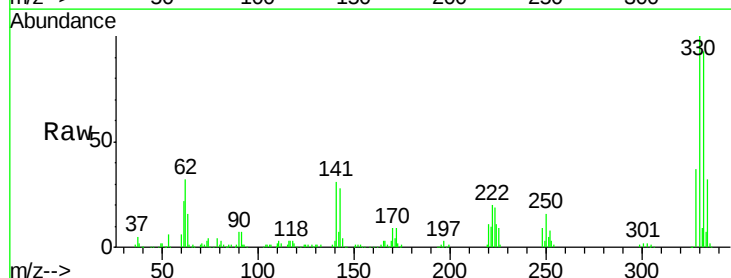
Tgt Ion:330 Resp: 225274

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

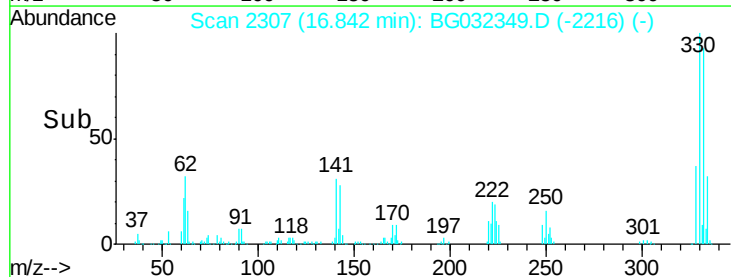
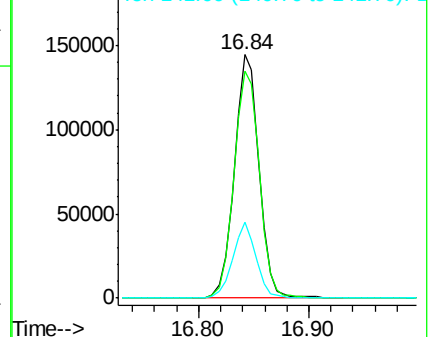
141 29.4 25.2 37.8



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

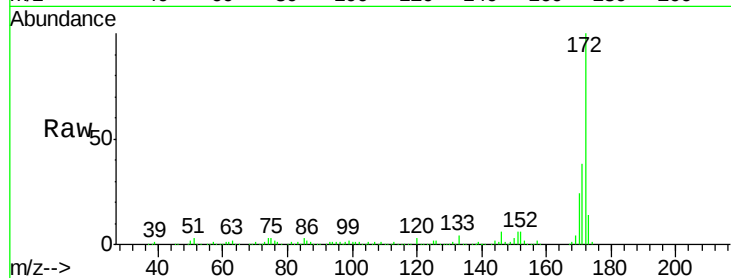




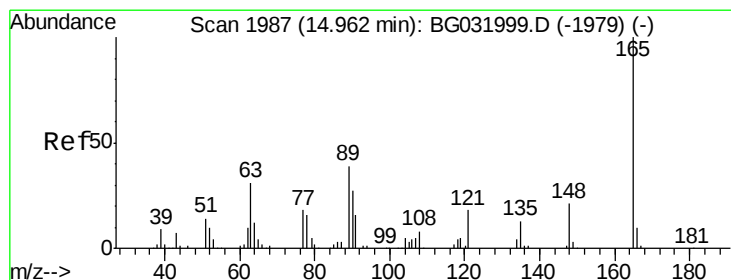
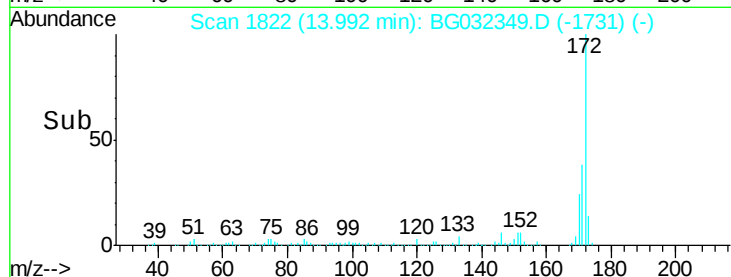
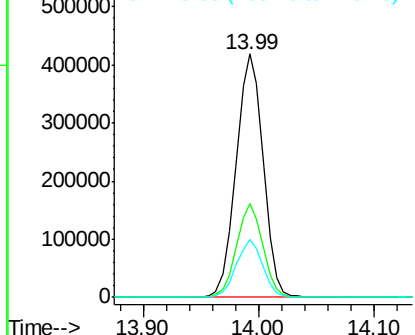
#44
 2-Fluorobiphenyl
 Concen: 82.546 ng
 RT: 13.99 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG032349.D
 Acq: 27 Jan 2018 10:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 677147
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 23.7 19.5 29.3

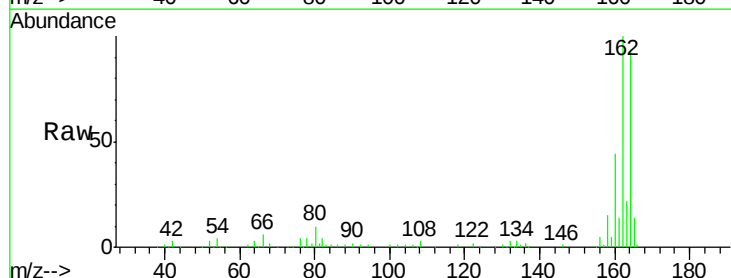


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

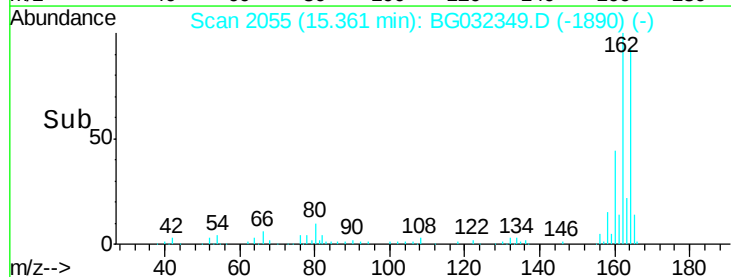
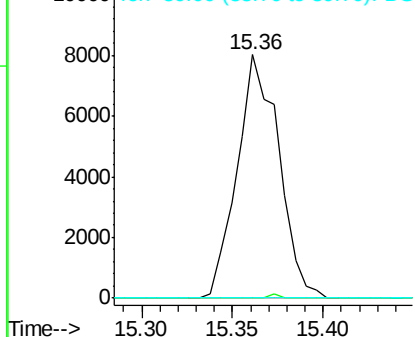


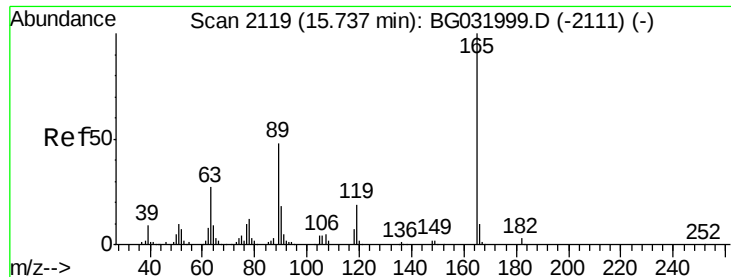
#50
 2,6-Dinitrotoluene
 Concen: 6.948 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.44 min
 Lab File: BG032349.D
 Acq: 27 Jan 2018 10:29

Tgt Ion:165 Resp: 12837
 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

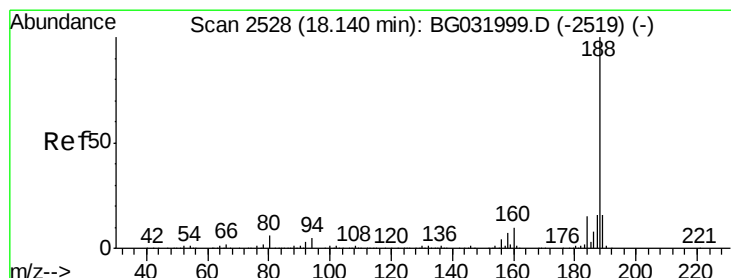
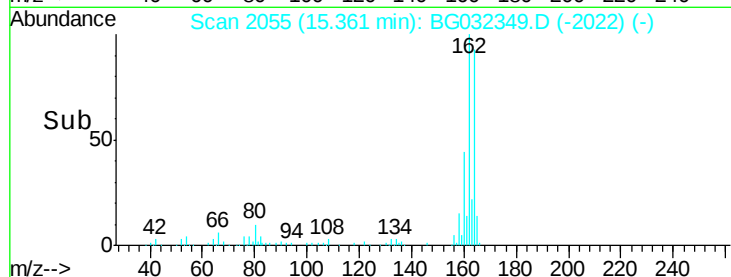
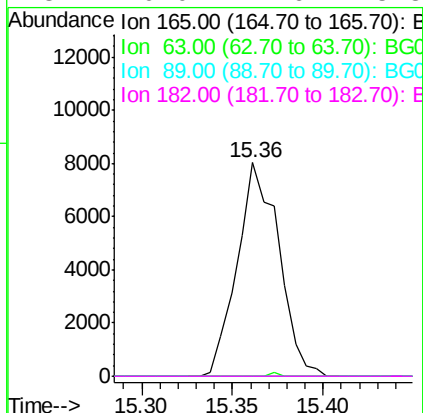
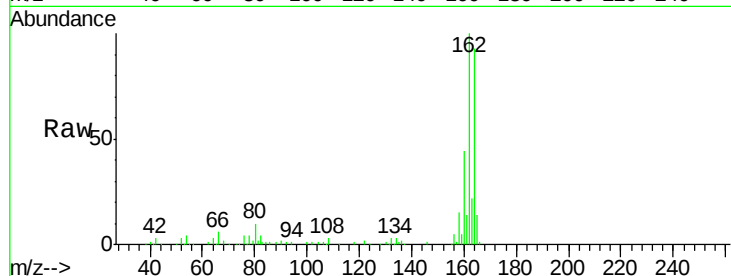




#56
 2,4-Dinitrotoluene
 Concen: 5.161 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.34 min
 Lab File: BG032349.D
 Acq: 27 Jan 2018 10:29

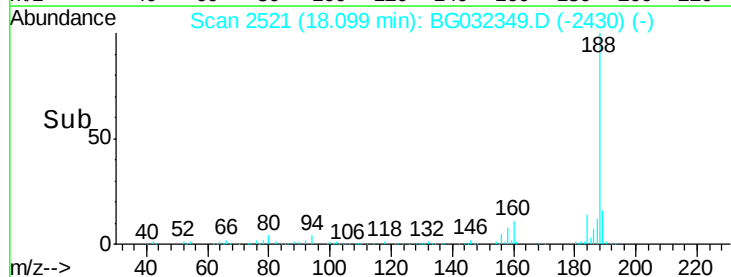
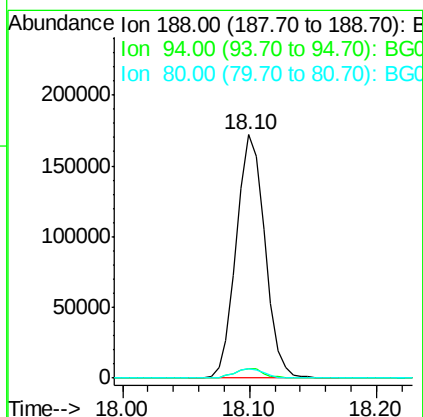
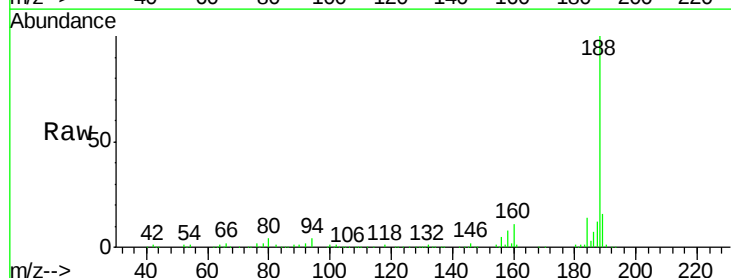
Instrument :
 BNA_G
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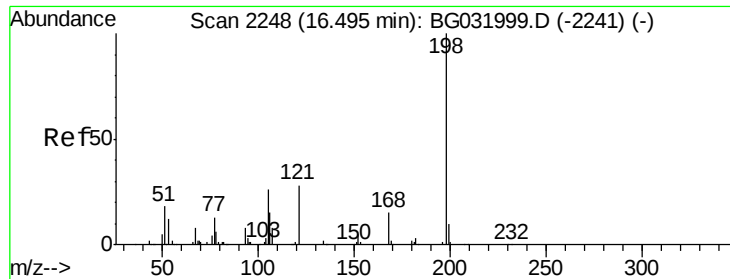
Tot Ion:165 Resp: 12837
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.10 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: BG032349.D
 Acq: 27 Jan 2018 10:29

Tgt Ion:188 Resp: 269007
 Ion Ratio Lower Upper
 188 100
 94 3.8 6.9 10.3#
 80 3.9 7.7 11.5#

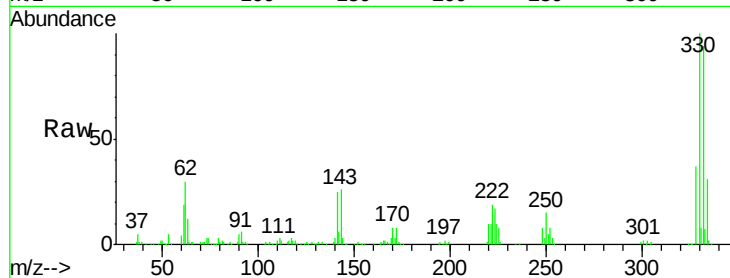




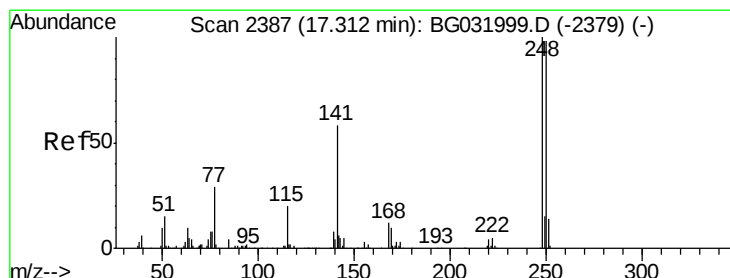
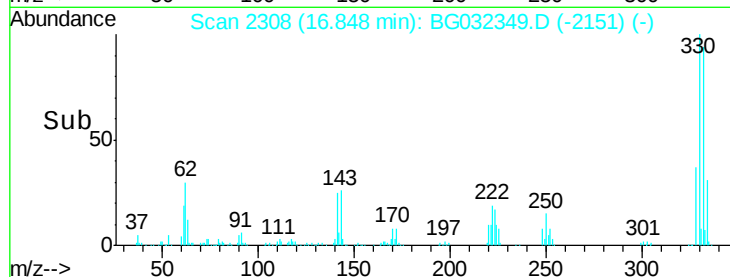
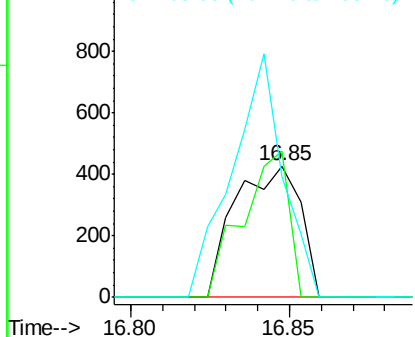
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.203 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. 0.39 min
 Lab File: BG032349.D
 Acq: 27 Jan 2018 10:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 611
 Ion Ratio Lower Upper
 198 100
 51 111.5 30.6 70.6#
 105 92.3 23.8 63.8#

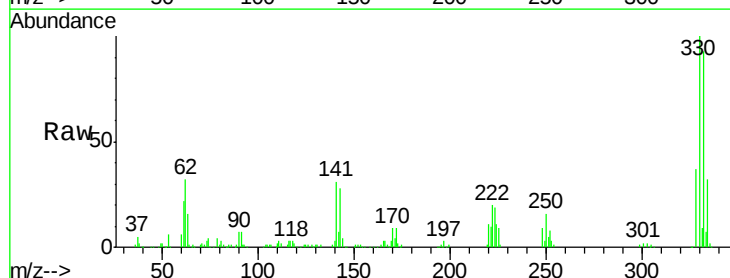


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

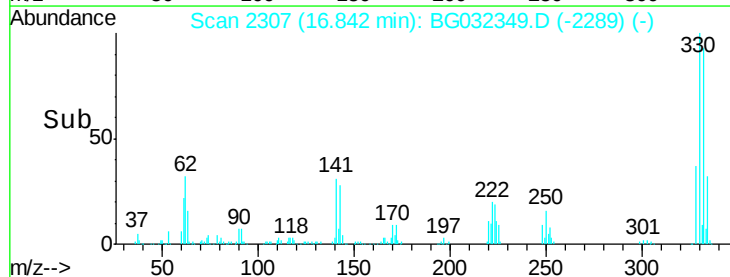
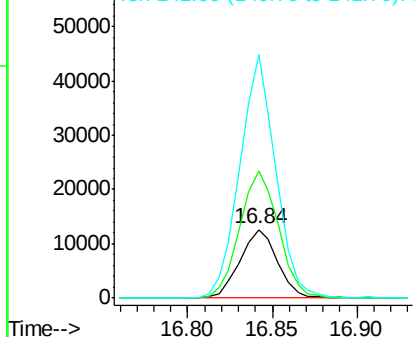


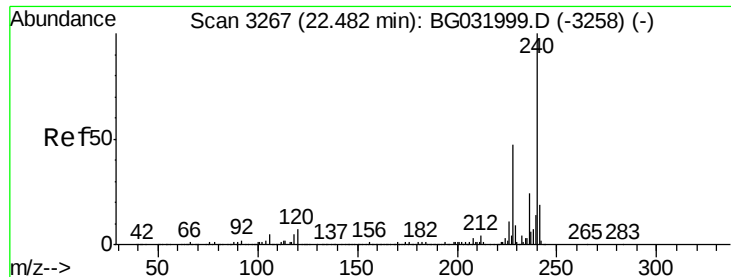
#66
 4-Bromophenyl-phenylether
 Concen: 5.077 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. -0.42 min
 Lab File: BG032349.D
 Acq: 27 Jan 2018 10:29

Tgt Ion:248 Resp: 19431
 Ion Ratio Lower Upper
 248 100
 250 185.6 77.1 115.7#
 141 354.5 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

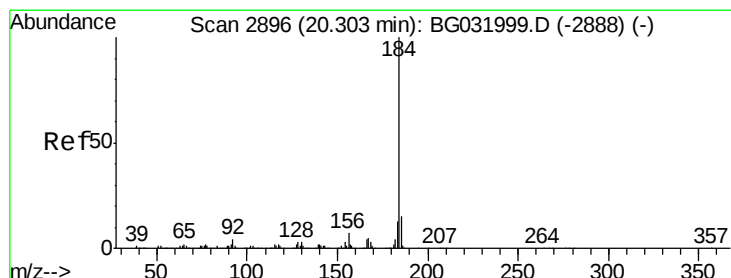
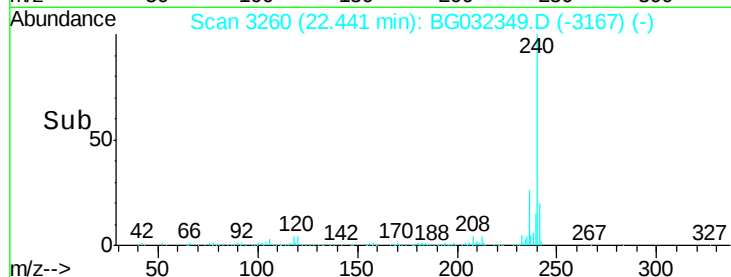
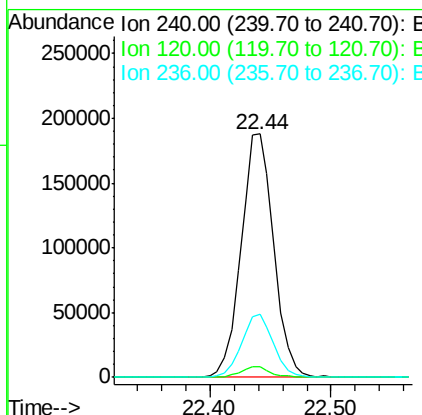
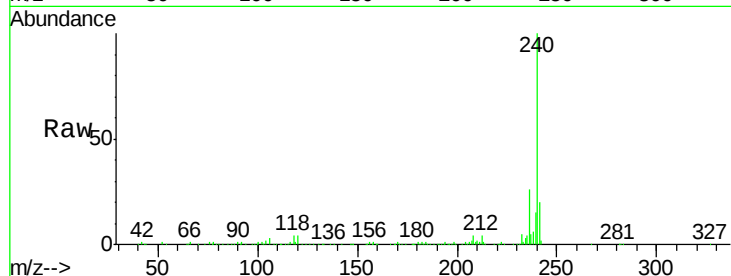




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3260
Delta R.T. 0.02 min
Lab File: BG032349.D
Acq: 27 Jan 2018 10:29

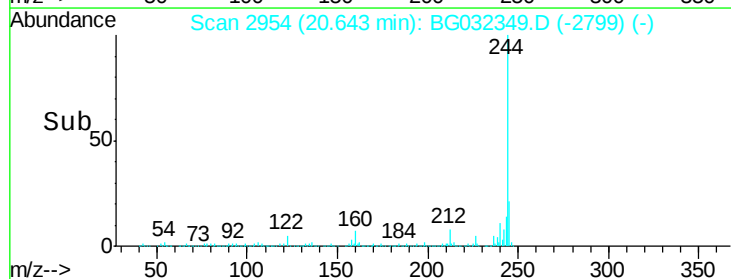
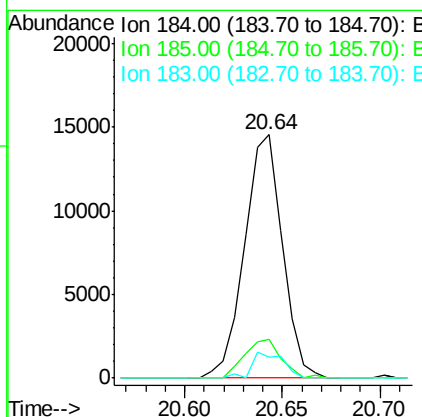
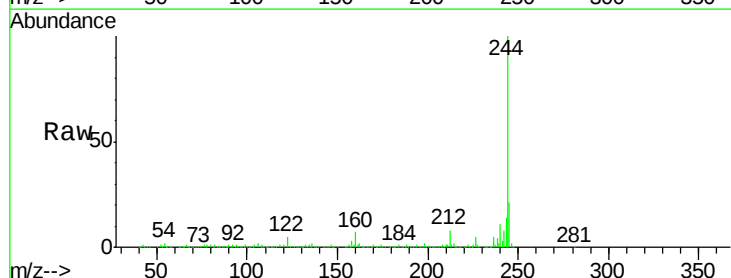
Instrument :
BNA_G
ClientSampleId :

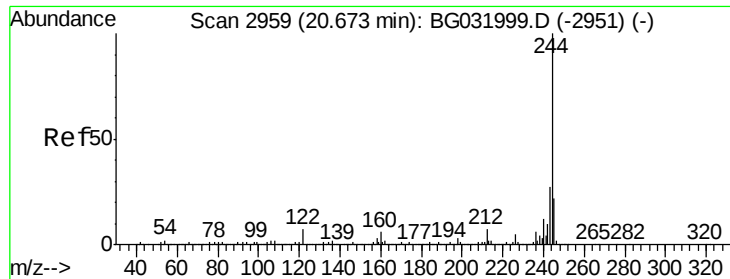
Tot Ion:240 Resp: 352484
Ion Ratio Lower Upper
240 100
120 4.2 6.8 10.2#
236 25.7 20.9 31.3



#76
Benzidine
Concen: 2.221 ng
RT: 20.64 min Scan# 2954
Delta R.T. 0.38 min
Lab File: BG032349.D
Acq: 27 Jan 2018 10:29

Tgt Ion:184 Resp: 19573
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 8.4 10.6 16.0#





#78

Terphenyl-d14

Concen: 86.223 ng

RT: 20.64 min Scan# 2954

Delta R.T. 0.01 min

Lab File: BG032349.D

Acq: 27 Jan 2018 10:29

Instrument :

BNA_G

ClientSampleId :

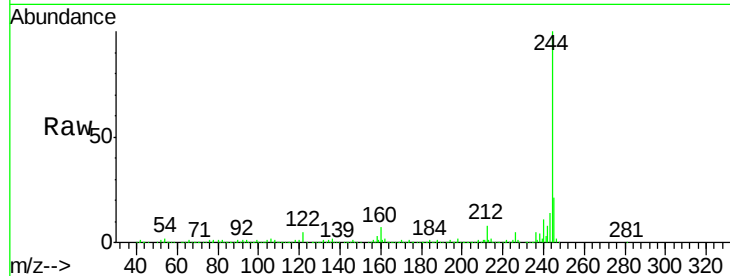
Tot Ion:244 Resp: 1376425

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

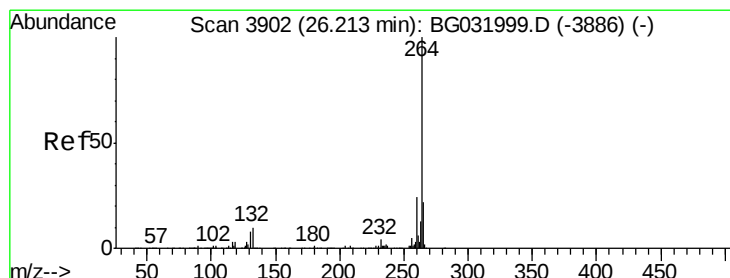
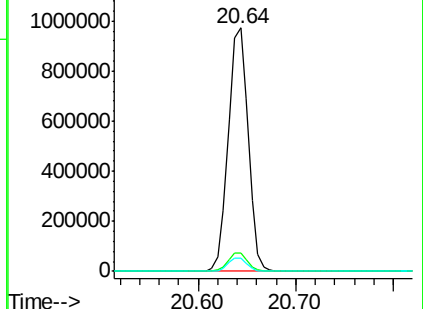
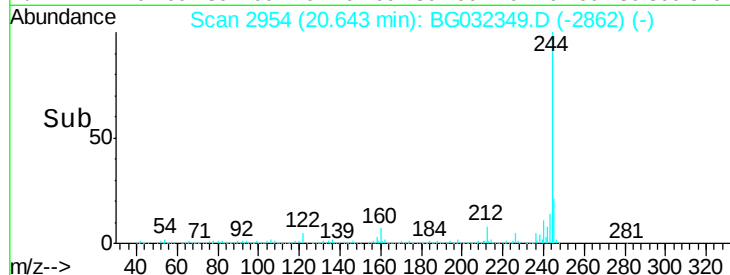
122 5.5 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.15 min Scan# 3891

Delta R.T. 0.04 min

Lab File: BG032349.D

Acq: 27 Jan 2018 10:29

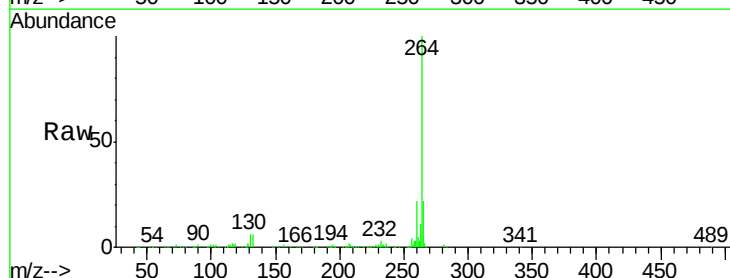
Tgt Ion:264 Resp: 369716

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 22.0 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

