

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032552.D
 Acq On : 6 Feb 2018 2:32
 Operator : SJ/JU
 Sample : J1453-08
 Misc : MDL8PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:25:55 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

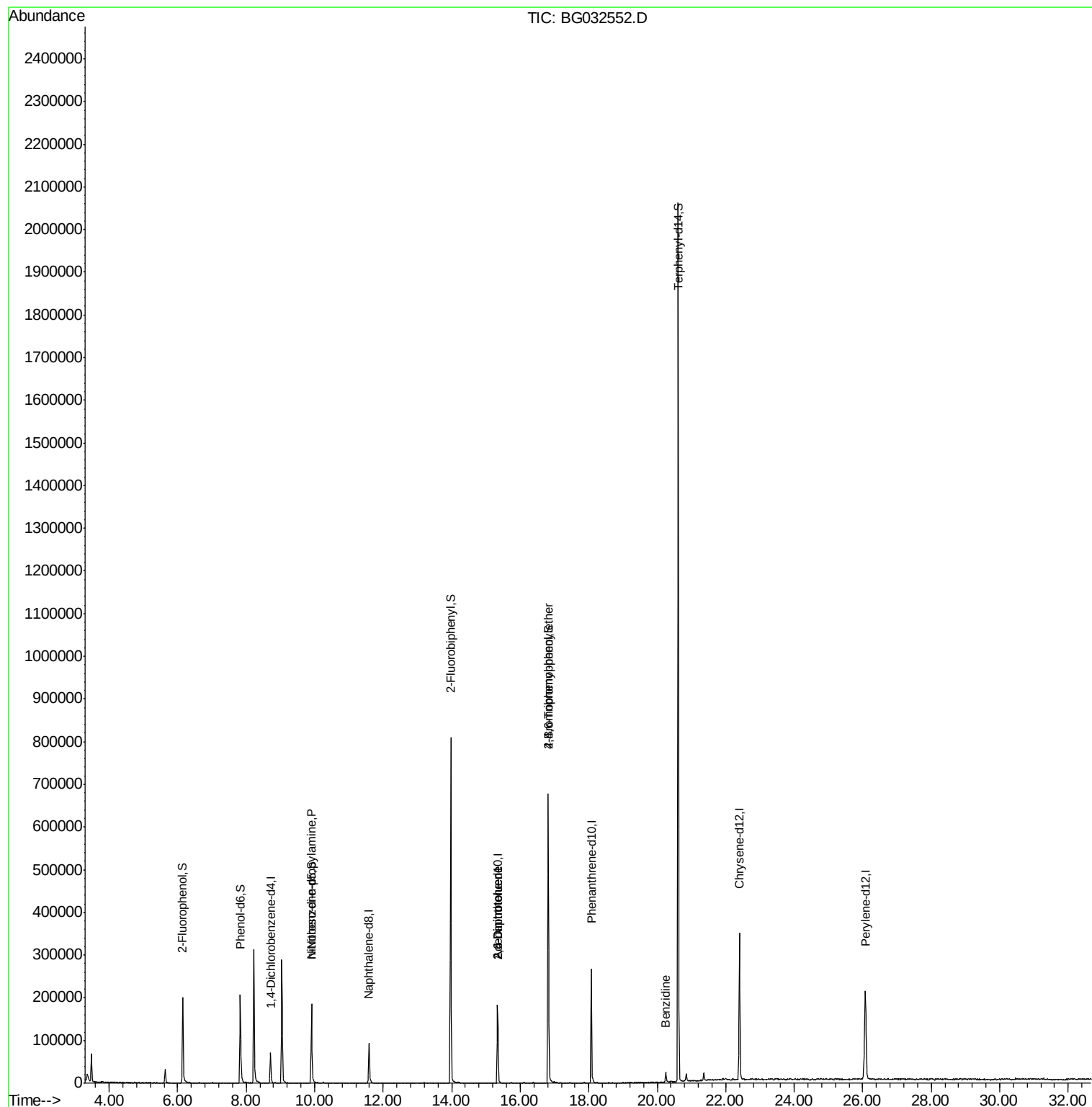
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	25360	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	106004	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	74855	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	203188	20.00	ng	0.00
75) Chrysene-d12	22.40	240	271398	20.00	ng	-0.01
86) Perylene-d12	26.08	264	296597	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	116598	92.35	ng	0.00
7) Phenol-d6	7.83	99	147434	87.51	ng	0.00
23) Nitrobenzene-d5	9.91	82	126210	74.37	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	181233	127.19	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	508893	80.80	ng	-0.01
78) Terphenyl-d14	20.62	244	1107771	87.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	19257	17.238	ng	# 69
50) 2,6-Dinitrotoluene	15.34	165	9530	6.579	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	9530	4.620	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	14103	4.685	ng	# 1
76) Benzidine	20.25	184	20071	3.766	ng	# 94

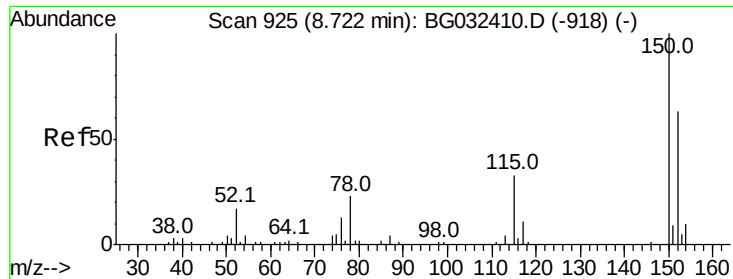
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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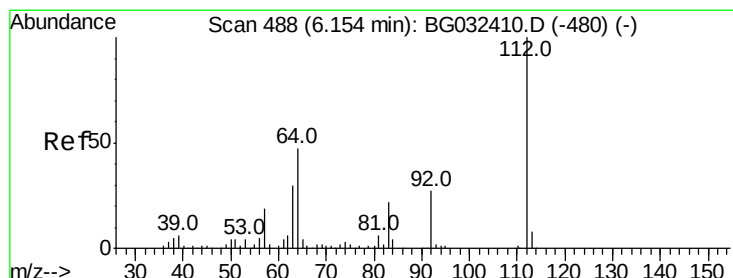
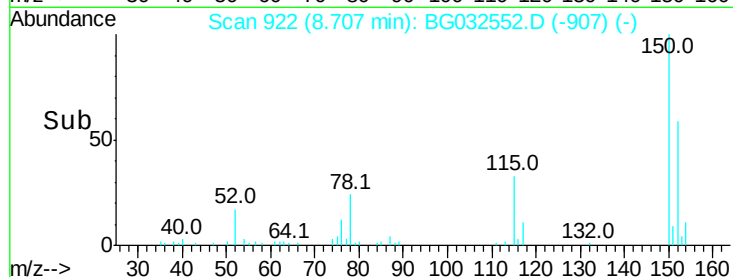
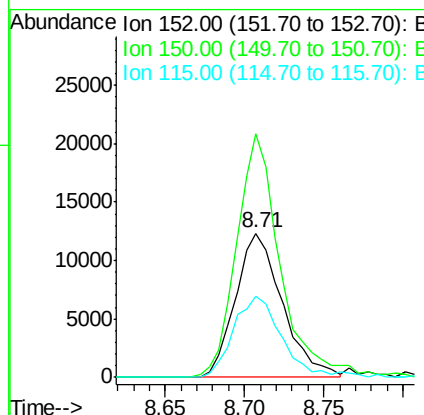
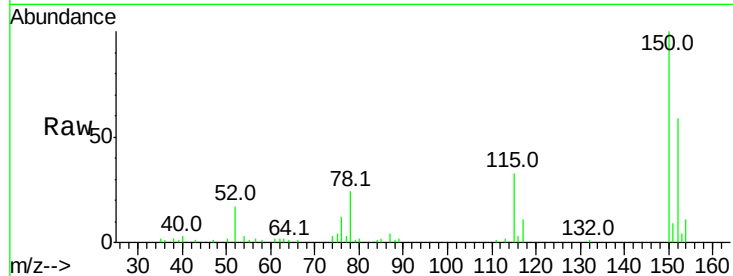


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BG032552.D
 Acq: 6 Feb 2018 2:32

Instrument :
 BNA_G
 ClientSampleId :

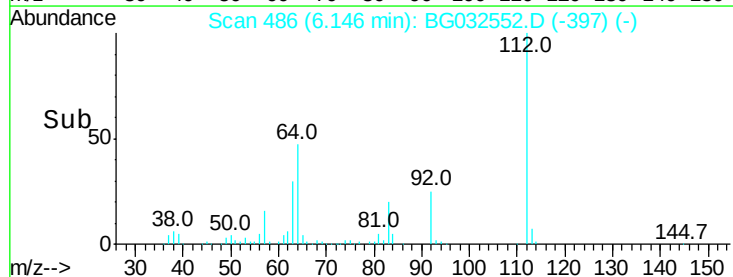
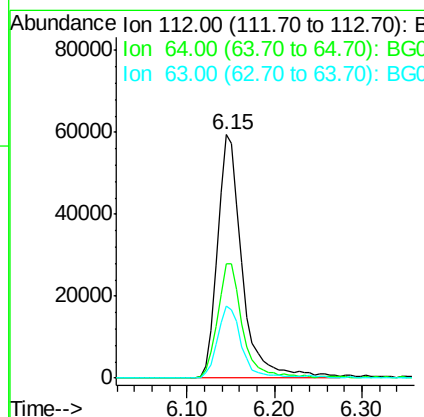
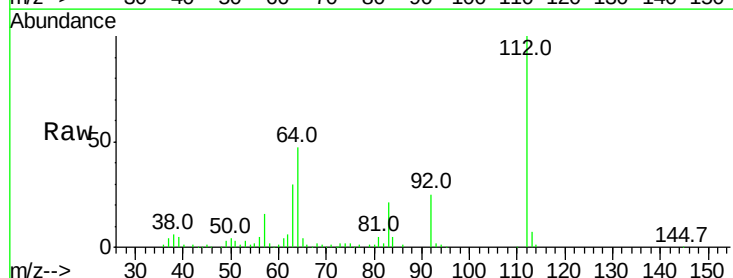
Tot Ion:152 Resp: 25360
 Ion Ratio Lower Upper
 152 100
 150 168.7 126.6 189.8
 115 56.1 53.0 79.4

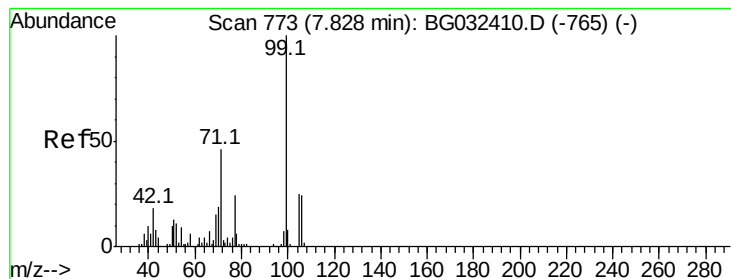


#5

2-Fluorophenol
 Concen: 92.348 ng
 RT: 6.15 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: BG032552.D
 Acq: 6 Feb 2018 2:32

Tgt Ion:112 Resp: 116598
 Ion Ratio Lower Upper
 112 100
 64 46.9 56.3 84.5#
 63 29.7 30.1 45.1#





#7

Phenol-d6

Concen: 87.507 ng

RT: 7.83 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

Instrument :

BNA_G

ClientSampleId :

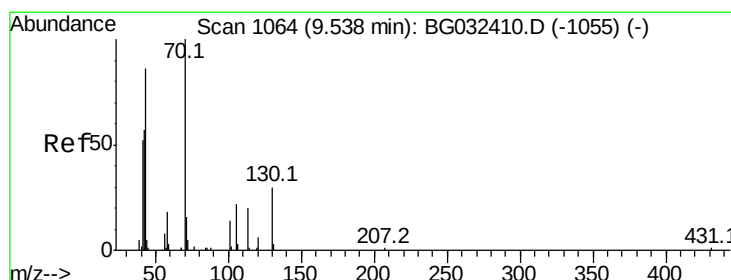
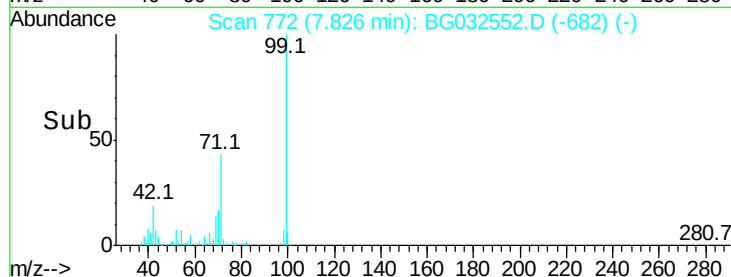
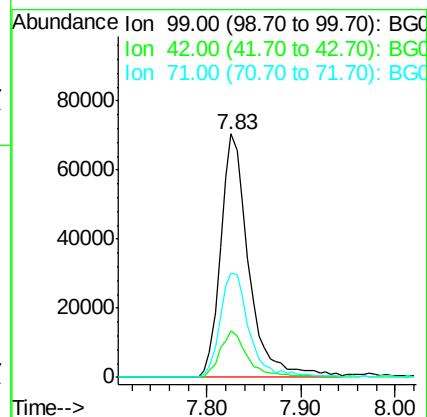
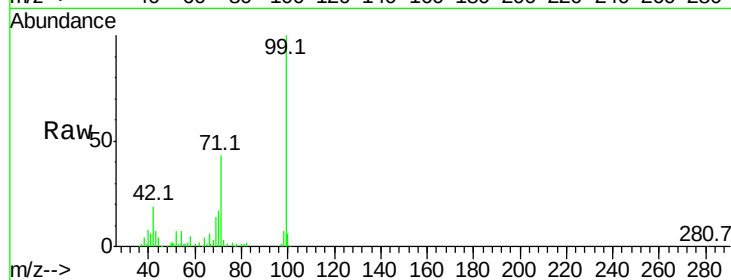
Tot Ion: 99 Resp: 147434

Ion Ratio Lower Upper

99 100

42 19.0 14.1 21.1

71 42.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.238 ng

RT: 9.91 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

Tgt Ion: 70 Resp: 19257

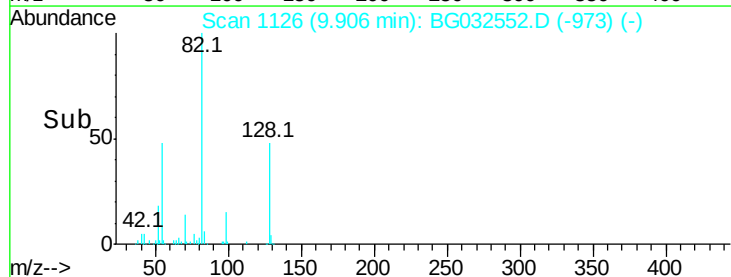
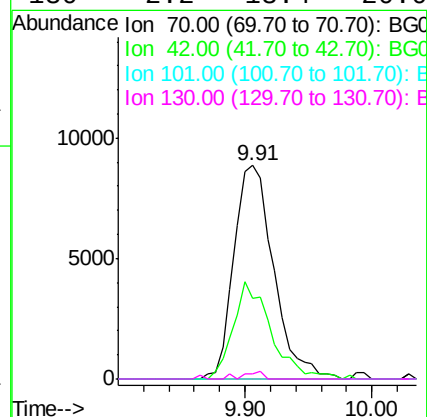
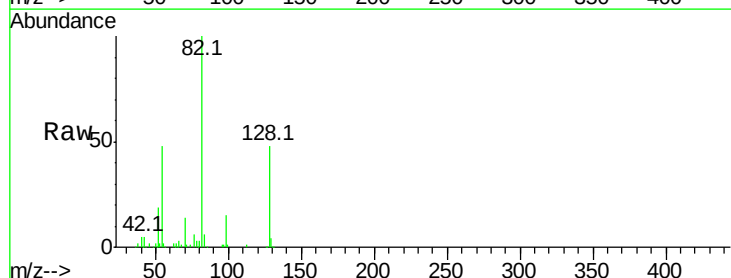
Ion Ratio Lower Upper

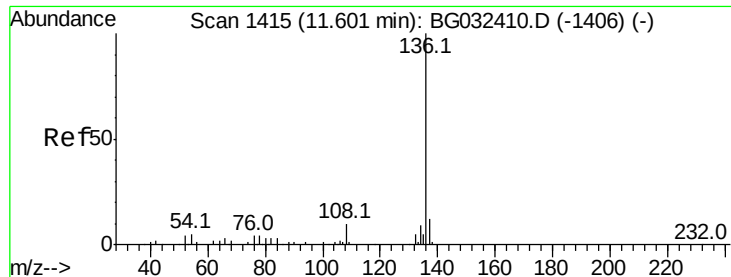
70 100

42 37.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

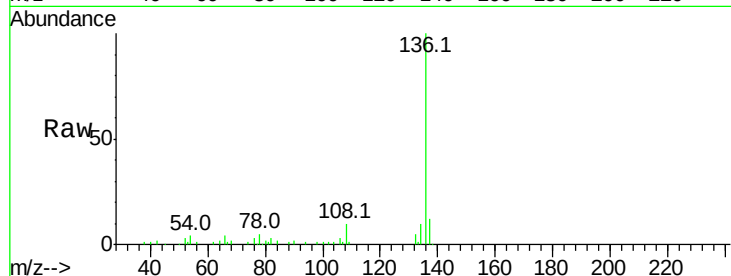




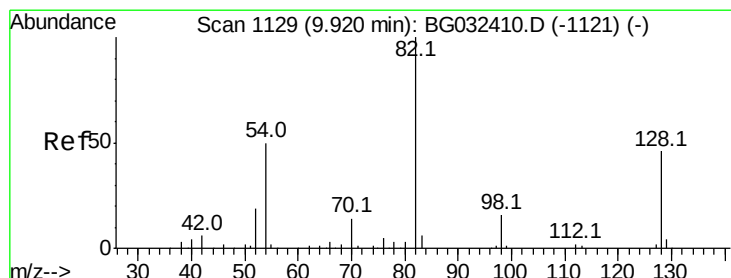
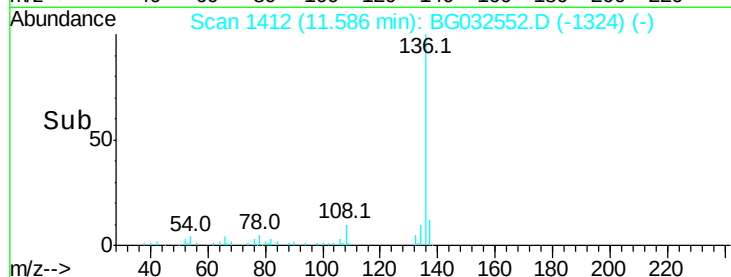
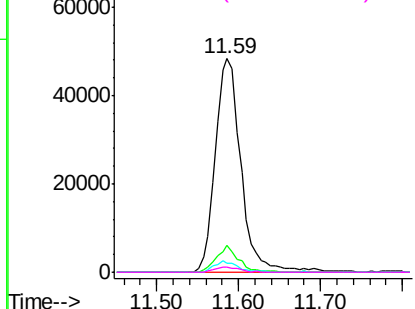
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BG032552.D
Acq: 6 Feb 2018 2:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	106004
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	4.4	10.3	15.5#
68	2.4	4.5	6.7#

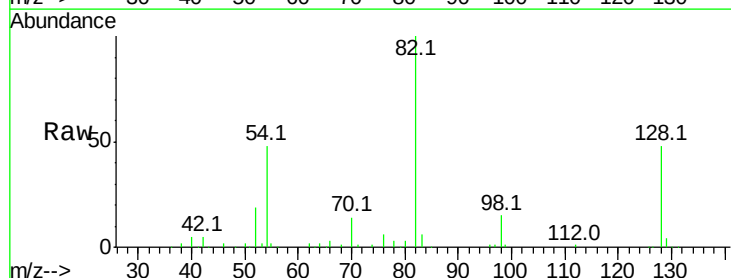


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

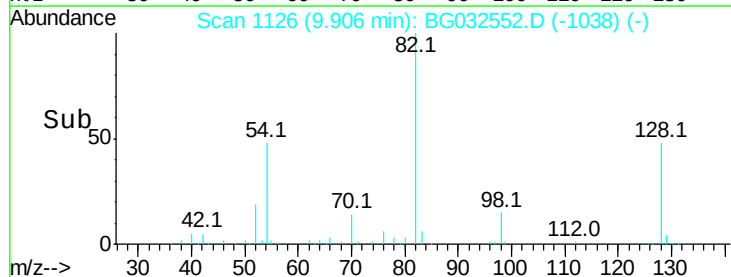
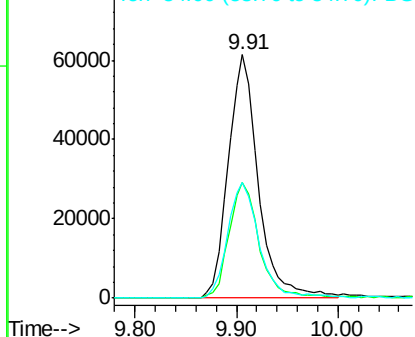


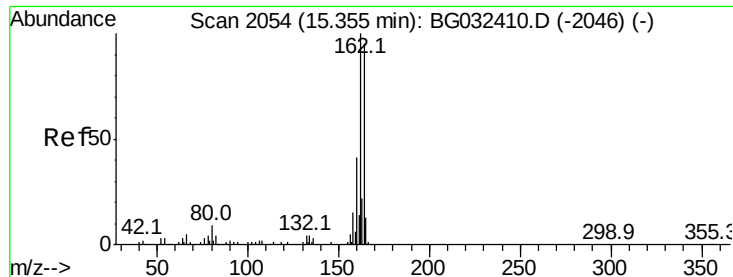
#23
Nitrobenzene-d5
Concen: 74.366 ng
RT: 9.91 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BG032552.D
Acq: 6 Feb 2018 2:32

Tgt Ion:	82	Resp:	126210
Ion	Ratio	Lower	Upper
82	100		
128	47.6	29.7	44.5#
54	47.6	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

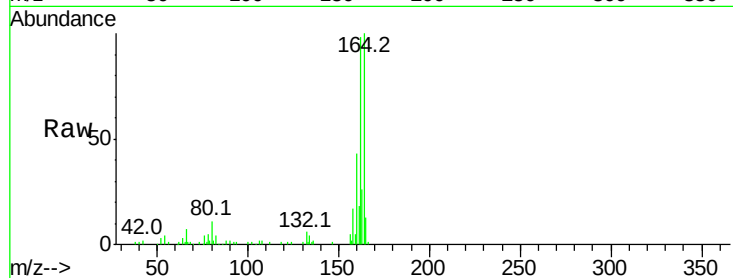
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 74855

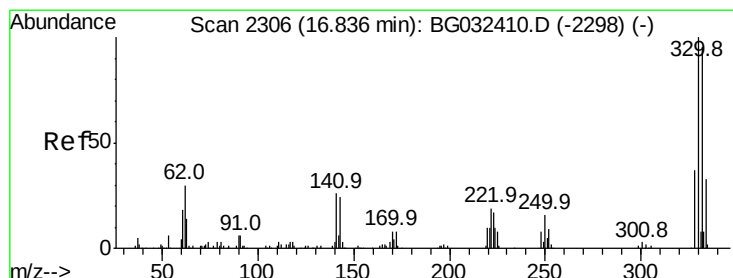
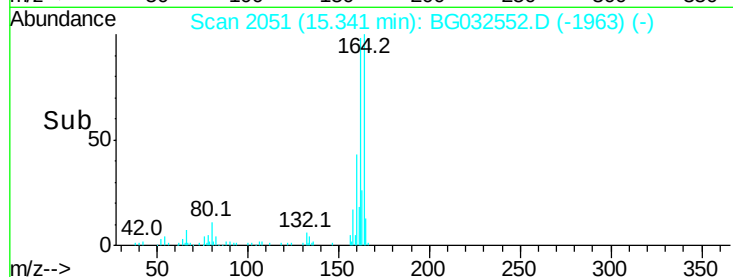
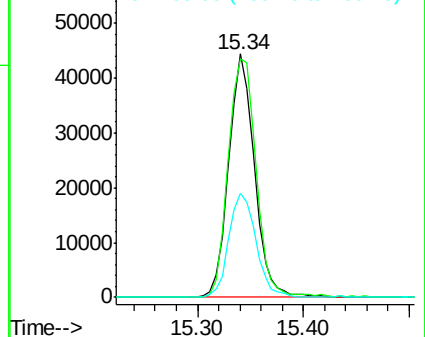
Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.8	118.2
160	42.7	35.4	53.0



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: 127.193 ng

RT: 16.82 min Scan# 2303

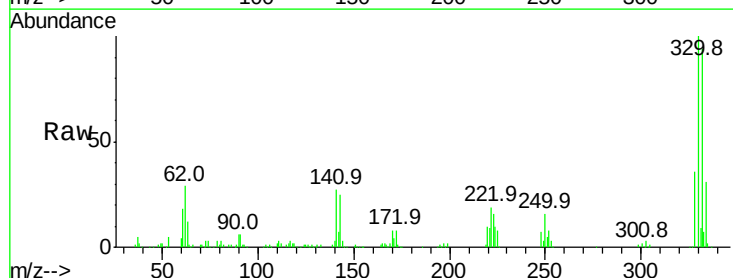
Delta R.T. -0.01 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

Tgt Ion:330 Resp: 181233

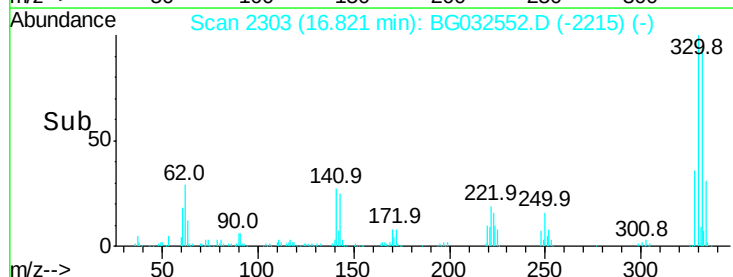
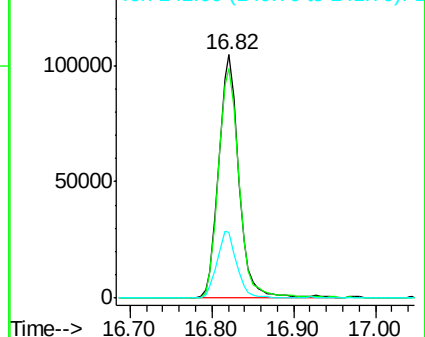
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	26.8	25.2	37.8

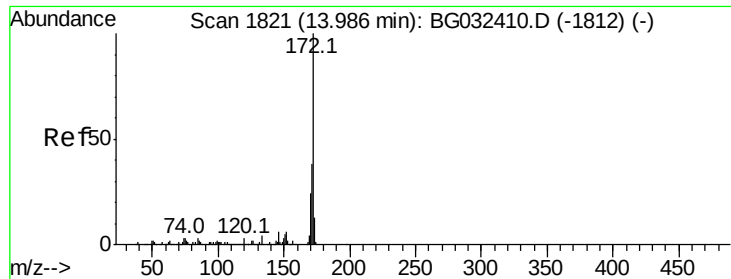


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.803 ng

RT: 13.97 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

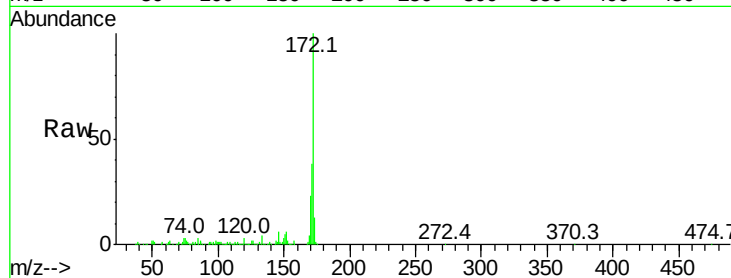
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 508893

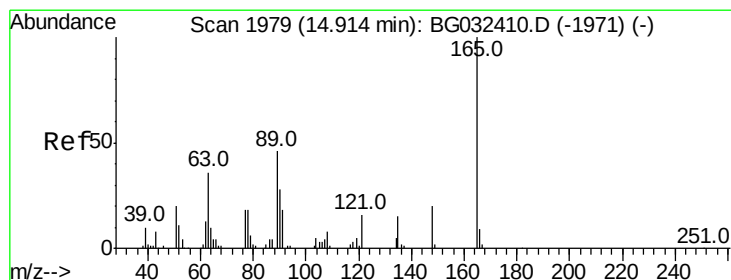
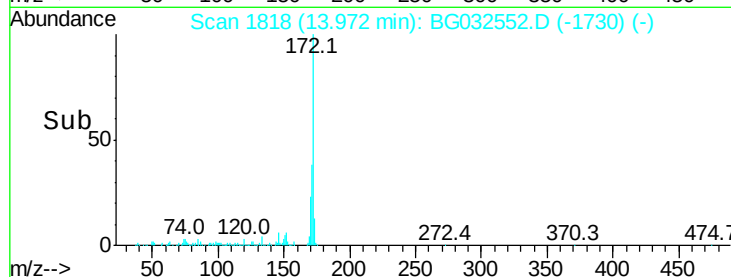
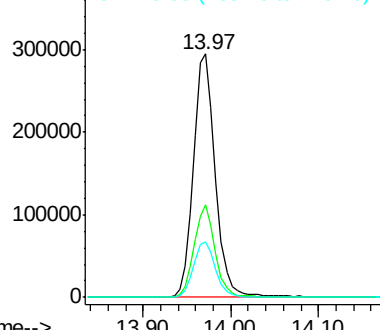
Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	22.6	19.5	29.3



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: 6.579 ng

RT: 15.34 min Scan# 2051

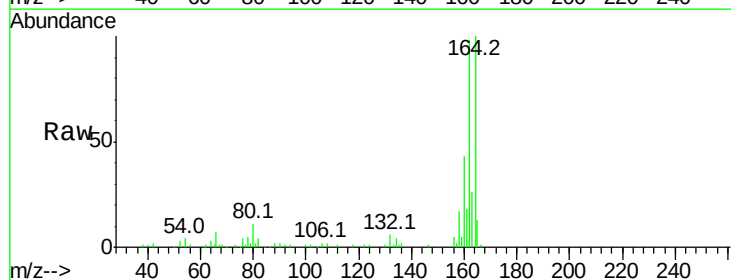
Delta R.T. 0.43 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

Tgt Ion:165 Resp: 9530

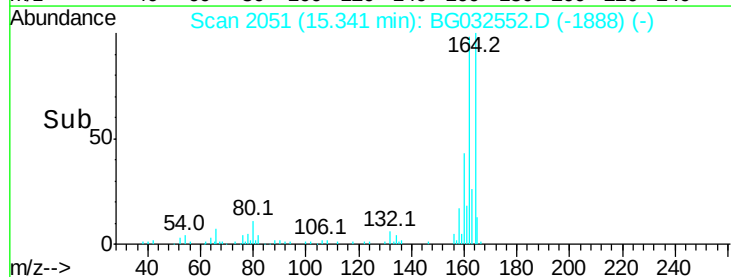
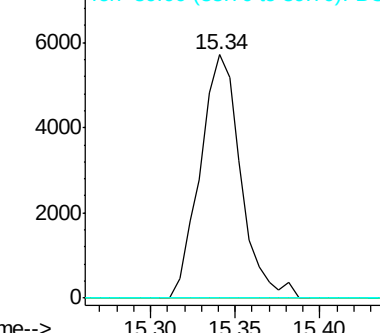
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

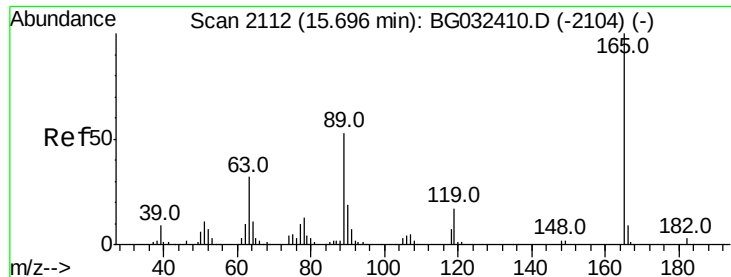


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

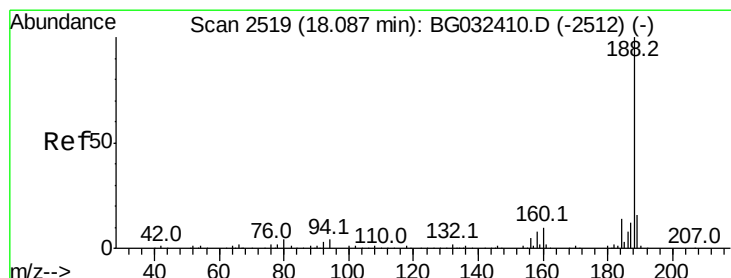
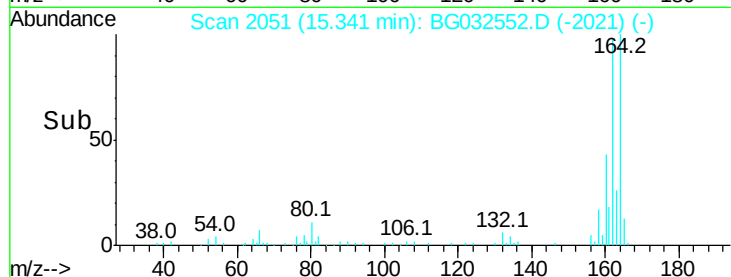
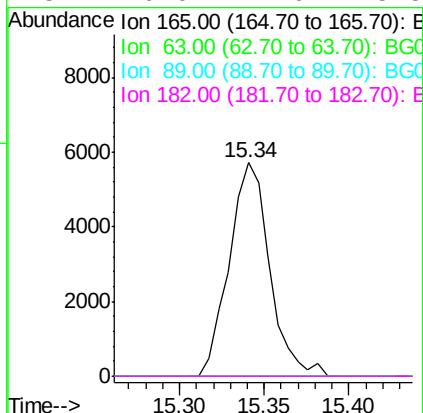
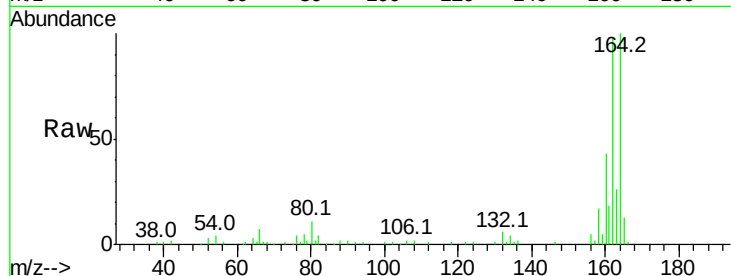




#56
 2,4-Dinitrotoluene
 Concen: 4.620 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.36 min
 Lab File: BG032552.D
 Acq: 6 Feb 2018 2:32

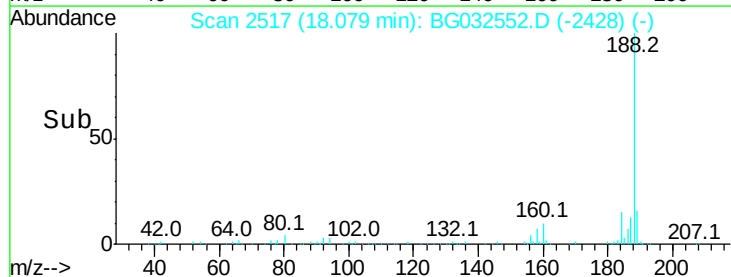
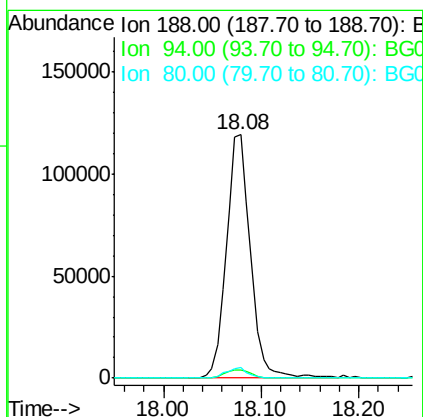
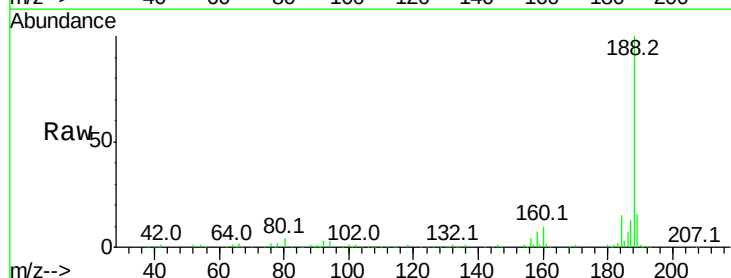
Instrument :
 BNA_G
 ClientSampleId :

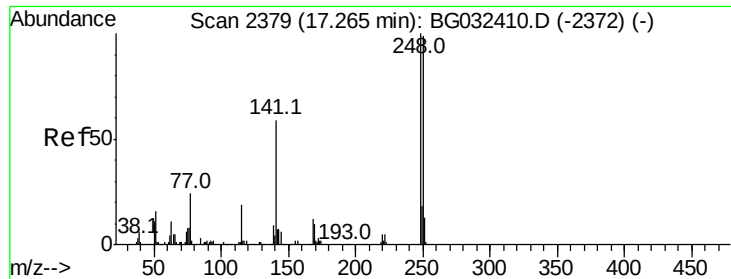
Tot Ion:165 Resp: 9530
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032552.D
 Acq: 6 Feb 2018 2:32

Tgt Ion:188 Resp: 203188
 Ion Ratio Lower Upper
 188 100
 94 3.2 6.9 10.3#
 80 4.2 7.7 11.5#

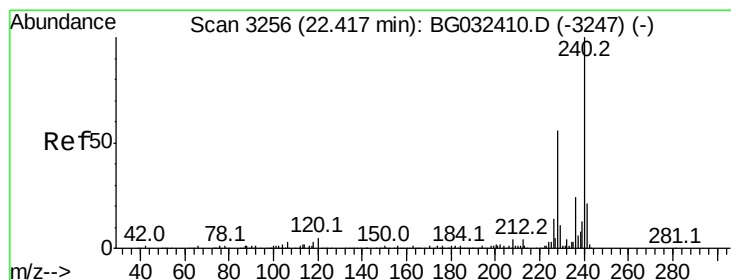
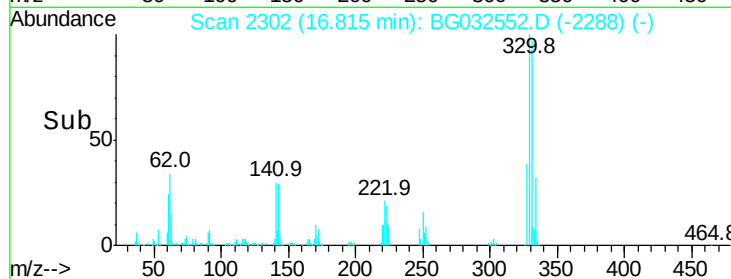
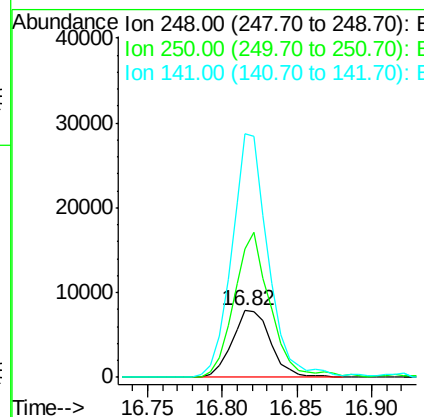
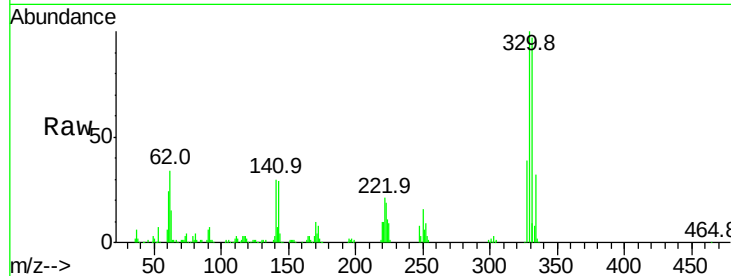




#66
4-Bromophenyl-phenylether
Concen: 4.685 ng
RT: 16.82 min Scan# 2302
Delta R.T. -0.45 min
Lab File: BG032552.D
Acq: 6 Feb 2018 2:32

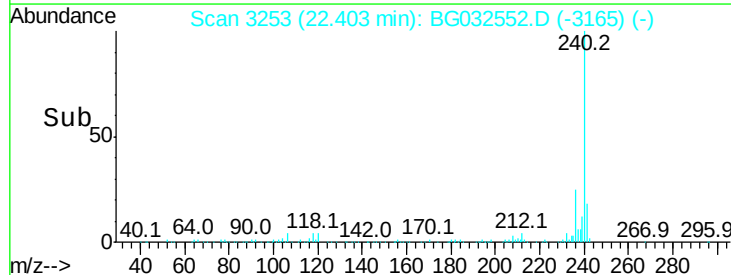
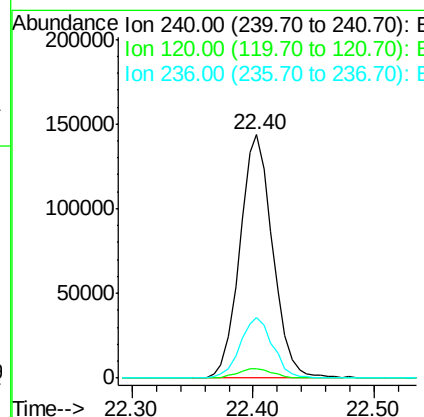
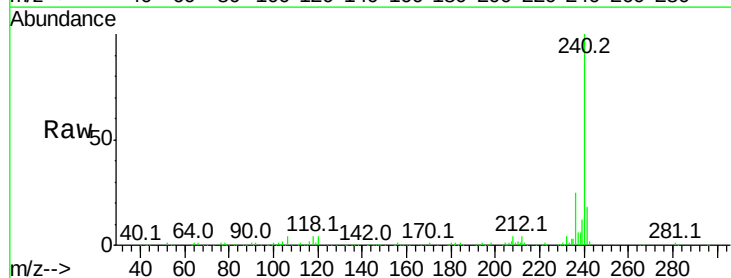
Instrument :
BNA_G
ClientSampleId :

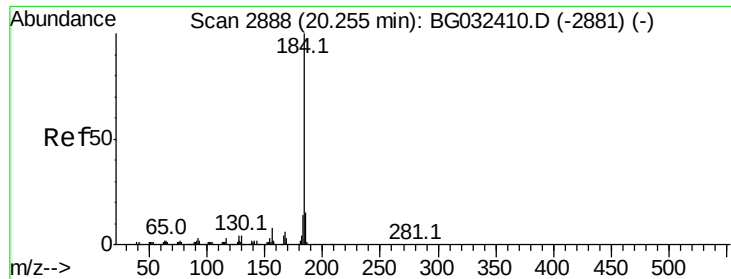
Tot Ion:248 Resp: 14103
Ion Ratio Lower Upper
248 100
250 191.5 77.1 115.7#
141 364.0 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.01 min
Lab File: BG032552.D
Acq: 6 Feb 2018 2:32

Tgt Ion:240 Resp: 271398
Ion Ratio Lower Upper
240 100
120 3.8 6.8 10.2#
236 25.1 20.9 31.3





#76

Benzidine

Concen: 3.766 ng

RT: 20.25 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

Instrument :

BNA_G

ClientSampled :

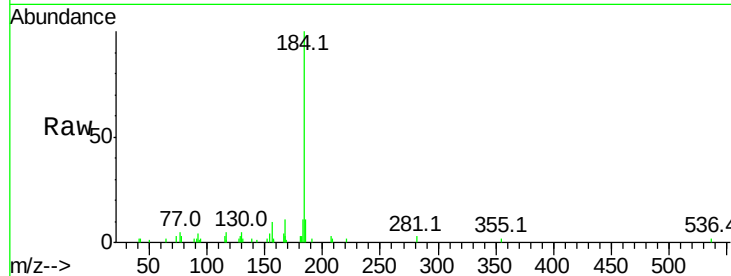
Tot Ion:184 Resp: 20071

Ion Ratio Lower Upper

184 100

185 10.9 11.1 16.7#

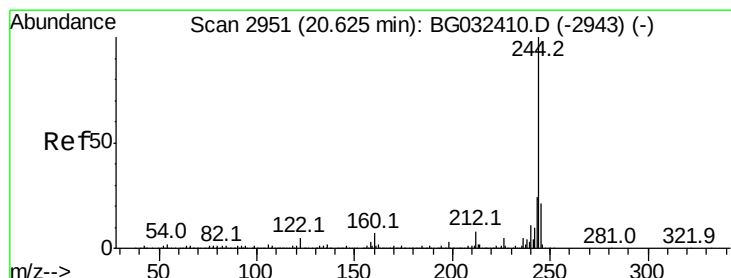
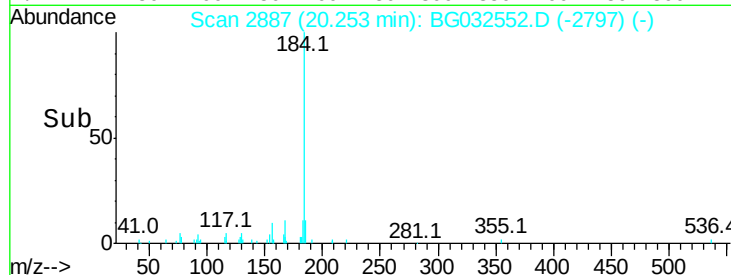
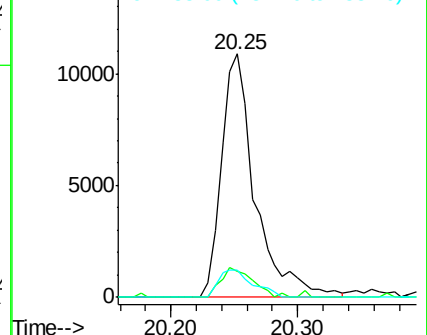
183 11.1 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 87.434 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032552.D

Acq: 6 Feb 2018 2:32

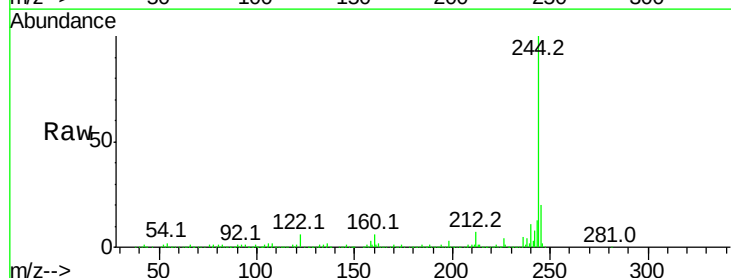
Tgt Ion:244 Resp: 1107771

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

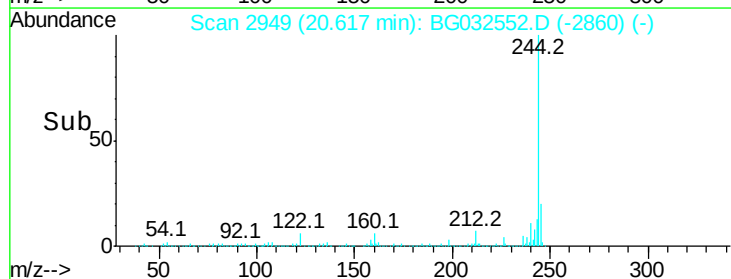
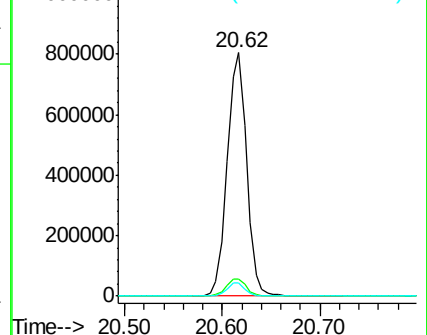
122 5.5 7.0 10.4#

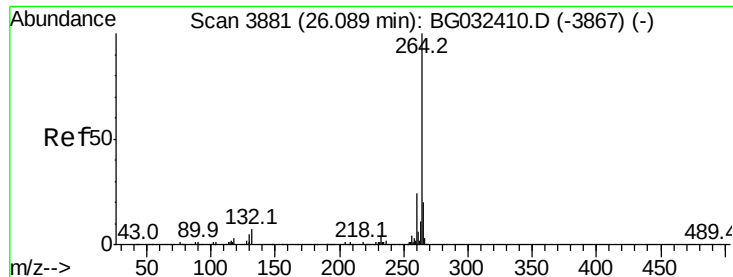


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.08 min Scan# 3878
Delta R.T. -0.01 min
Lab File: BG032552.D
Acq: 6 Feb 2018 2:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.5	17.7	26.5

