

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032624.D
 Acq On : 8 Feb 2018 23:42
 Operator : SJ/JU
 Sample : PB106402TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 03:42:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

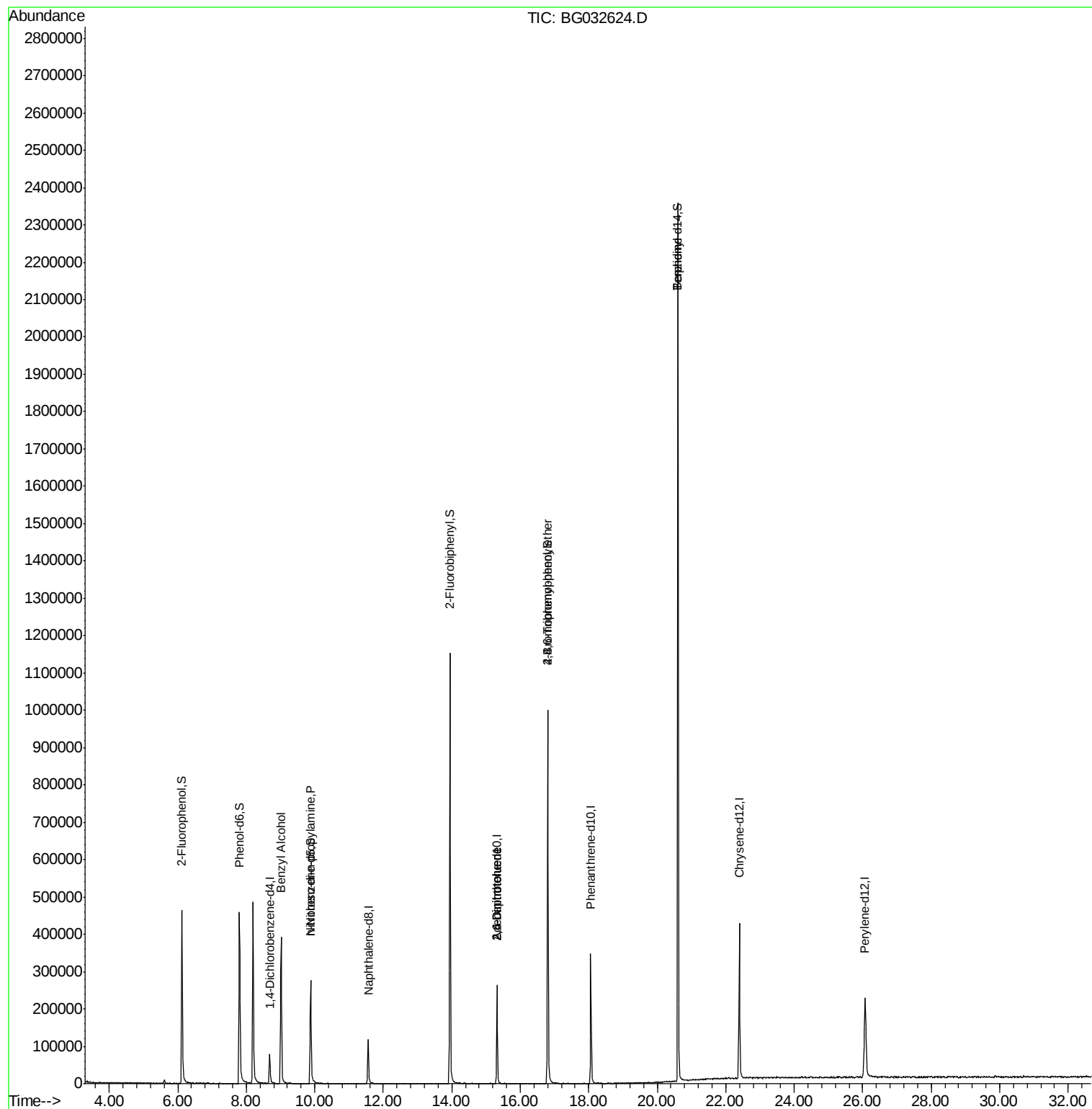
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	30574	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	129185	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	102863	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	276511	20.00	ng	-0.02
75) Chrysene-d12	22.40	240	335525	20.00	ng	-0.01
86) Perylene-d12	26.07	264	335985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	244070	160.34	ng	-0.02
7) Phenol-d6	7.80	99	311722	153.46	ng	-0.02
23) Nitrobenzene-d5	9.88	82	193689	93.65	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	229871	117.40	ng	-0.02
44) 2-Fluorobiphenyl	13.95	172	720959	83.31	ng	-0.02
78) Terphenyl-d14	20.60	244	1363999	87.08	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	9.01	79	3474	2.08	ng	# 44
19) n-Nitroso-di-n-propylamine	9.88	70	27537	20.45	ng	# 77
50) 2,6-Dinitrotoluene	15.32	165	13703	6.88	ng	# 20
56) 2,4-Dinitrotoluene	15.32	165	13703	4.83	ng	# 18
66) 4-Bromophenyl-phenylether	16.80	248	20699	5.05	ng	# 1
76) Benzidine	20.60	184	21471	3.26	ng	# 86

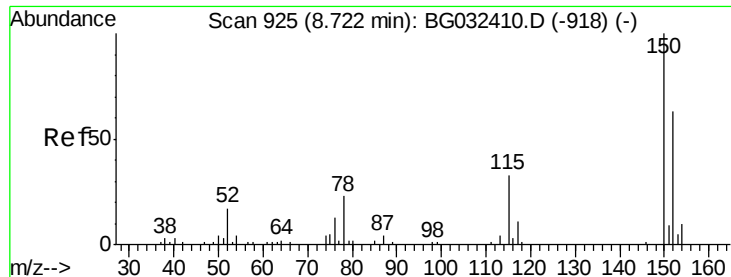
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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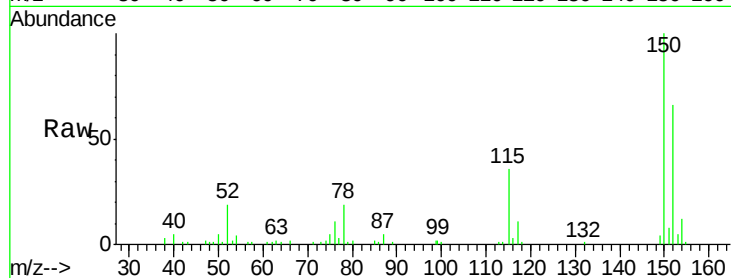


#1

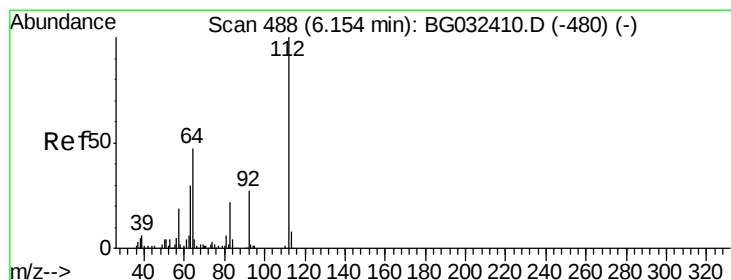
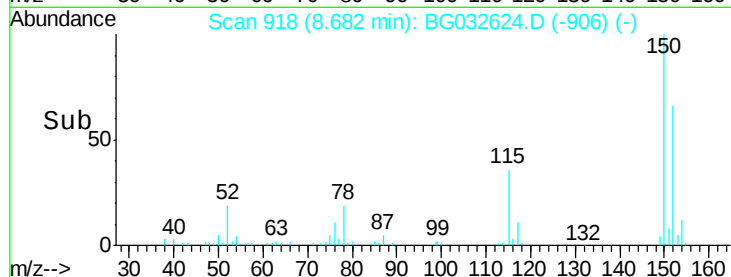
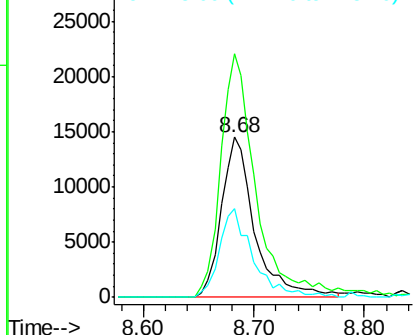
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032624.D
Acq: 8 Feb 2018 23:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30574
Ion Ratio Lower Upper
152 100
150 152.1 126.6 189.8
115 55.3 53.0 79.4



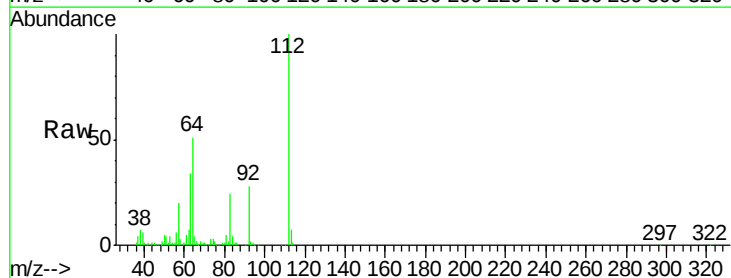
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



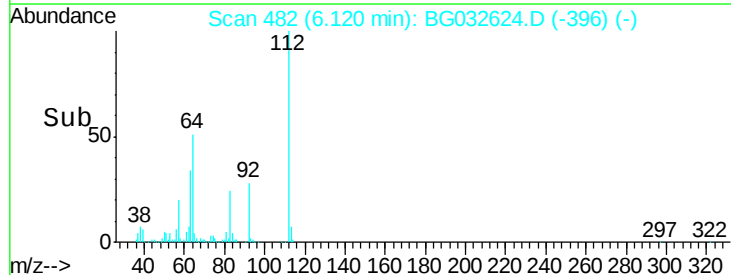
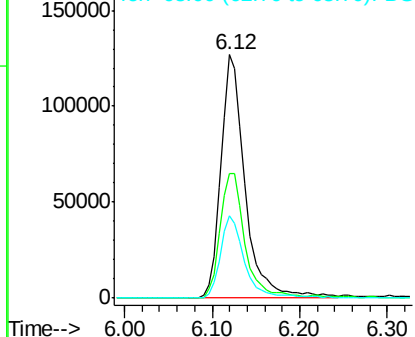
#5

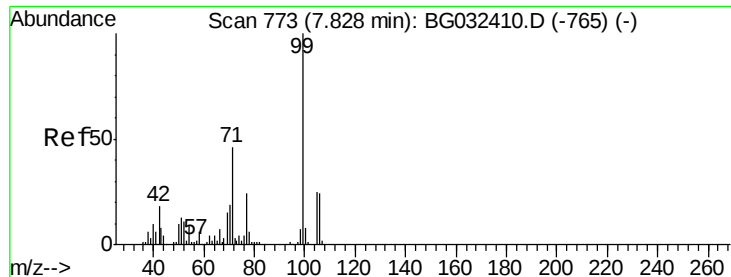
2-Fluorophenol
Concen: 160.34 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032624.D
Acq: 8 Feb 2018 23:42

Tgt Ion:112 Resp: 244070
Ion Ratio Lower Upper
112 100
64 51.4 56.3 84.5#
63 33.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 153.46 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032624.D

Acq: 8 Feb 2018 23:42

Instrument :

BNA_G

ClientSampleId :

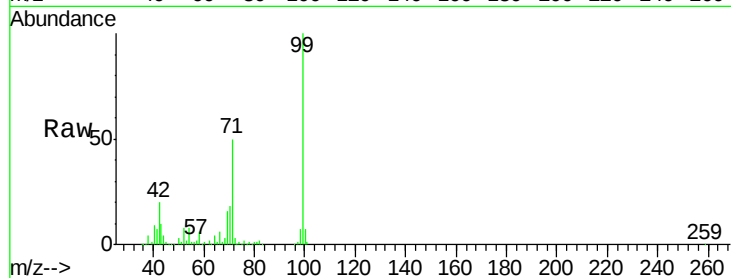
Tot Ion: 99 Resp: 311722

Ion Ratio Lower Upper

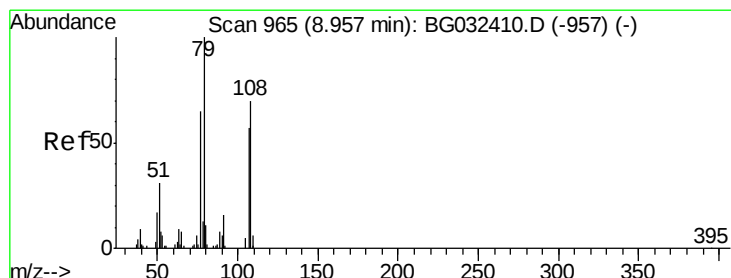
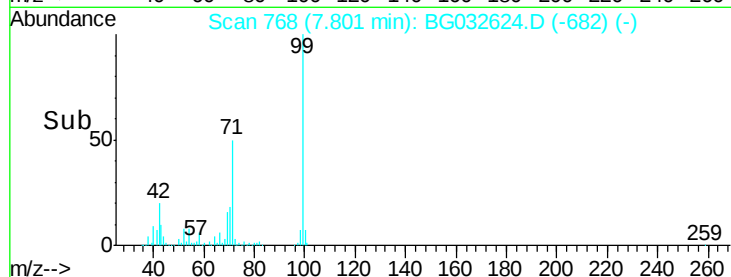
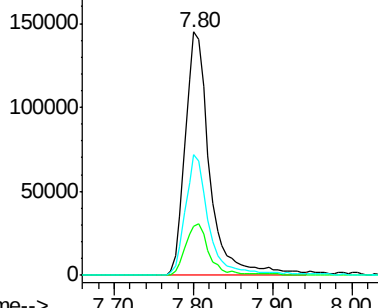
99 100

42 20.0 14.1 21.1

71 49.8 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



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 9.01 min Scan# 974

Delta R.T. 0.07 min

Lab File: BG032624.D

Acq: 8 Feb 2018 23:42

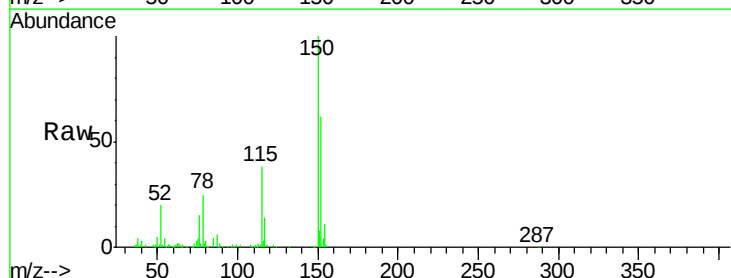
Tgt Ion: 79 Resp: 3474

Ion Ratio Lower Upper

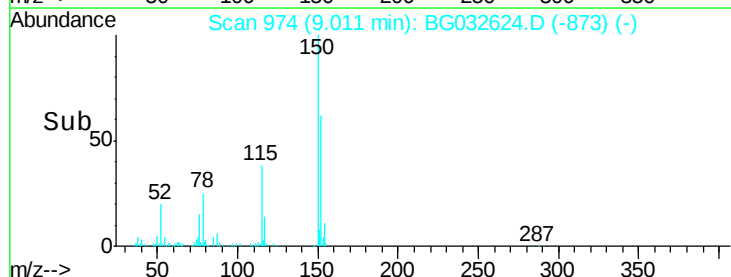
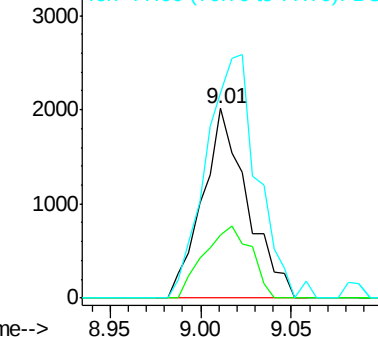
79 100

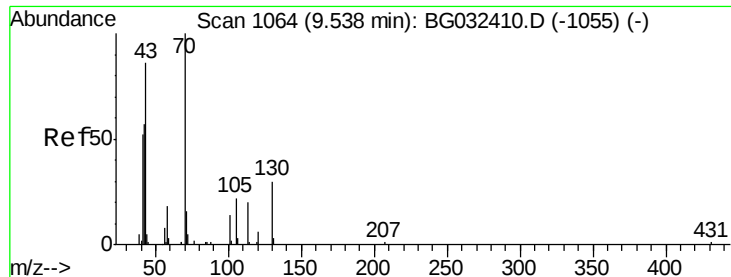
108 33.6 57.2 85.8#

77 108.3 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

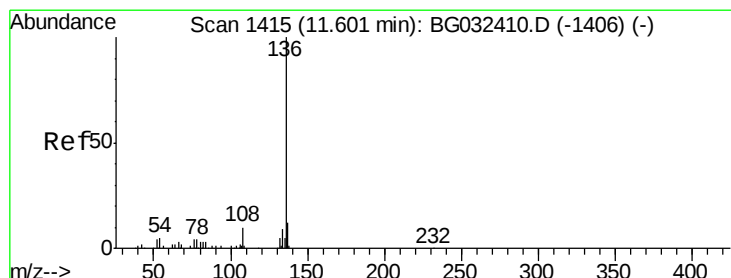
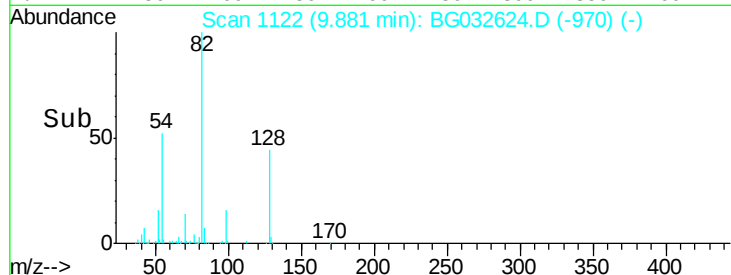
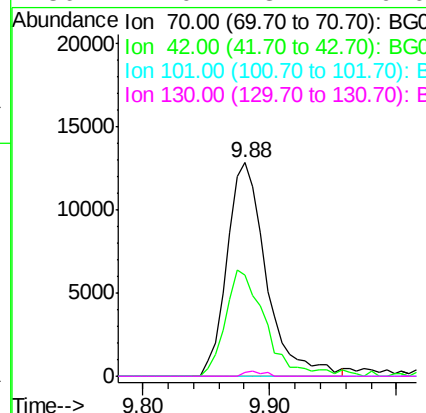
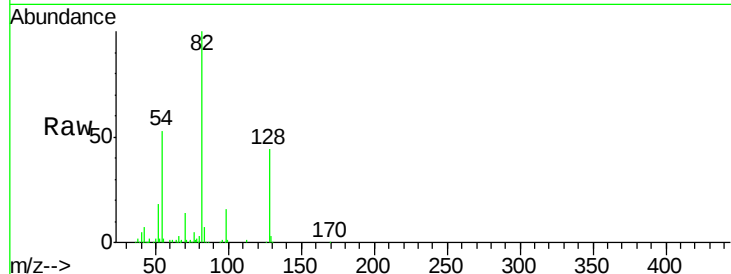




#19
n-Nitroso-di-n-propylamine
Concen: 20.45 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.37 min
Lab File: BG032624.D
Acq: 8 Feb 2018 23:42

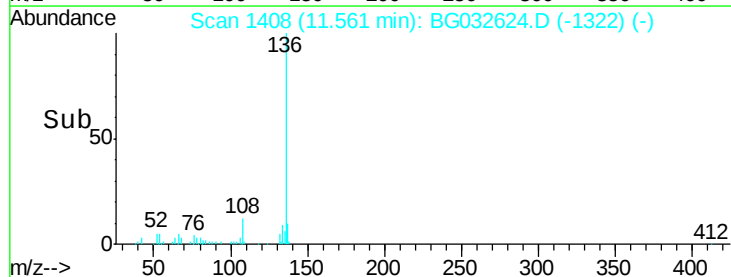
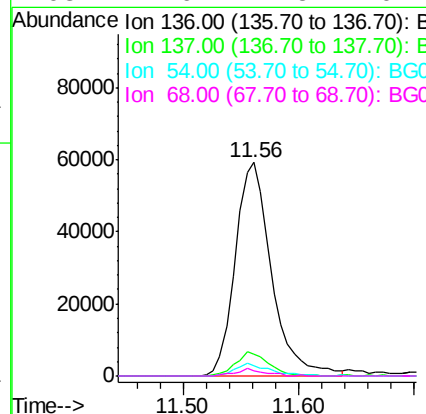
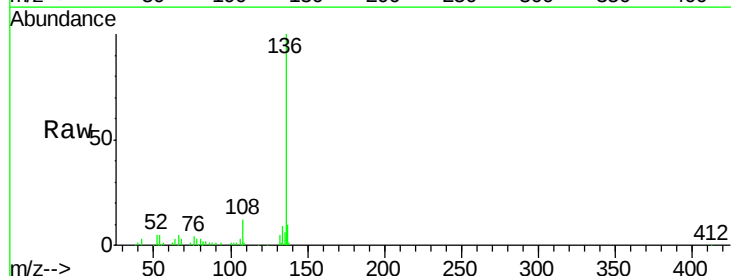
Instrument :
BNA_G
ClientSampleId :

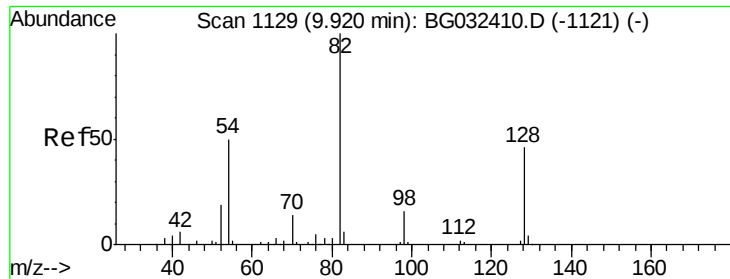
Tot Ion: 70 Resp: 27537
Ion Ratio Lower Upper
70 100
42 47.3 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG032624.D
Acq: 8 Feb 2018 23:42

Tgt Ion: 136 Resp: 129185
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 4.8 10.3 15.5#
68 2.6 4.5 6.7#

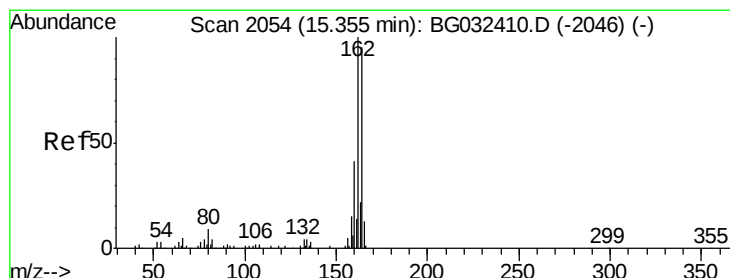
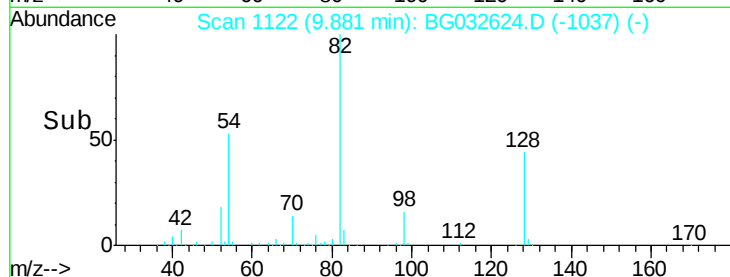
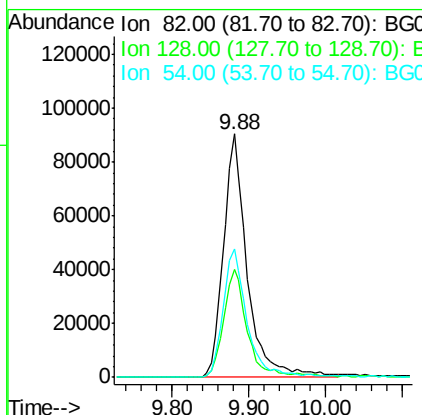
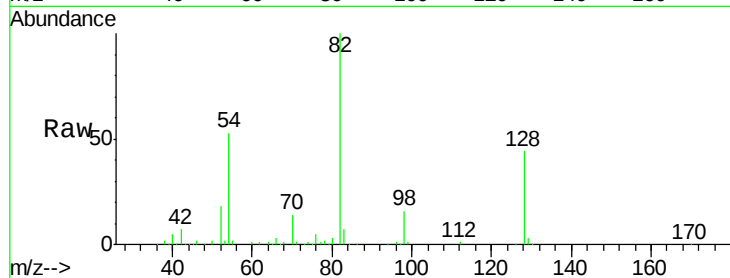




#23
 Nitrobenzene-d5
 Concen: 93.65 ng
 RT: 9.88 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

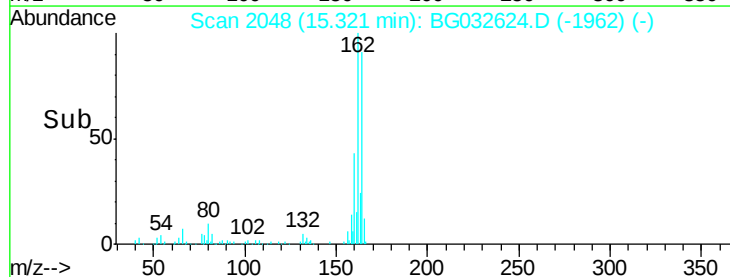
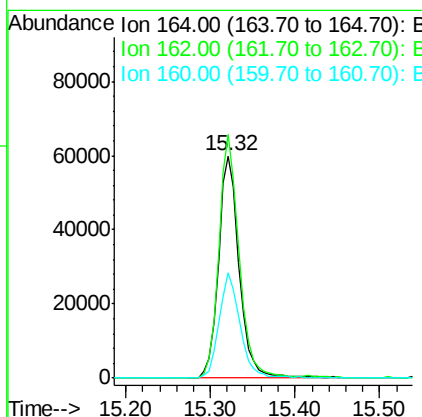
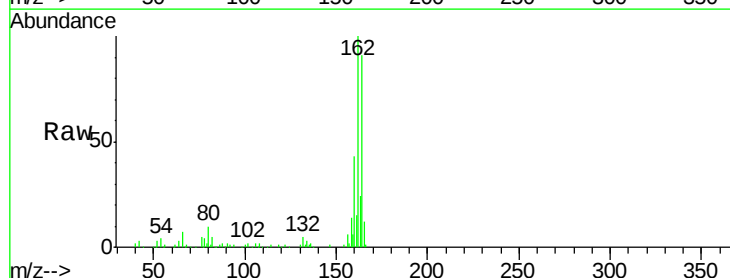
Instrument :
 BNA_G
 ClientSampleId :

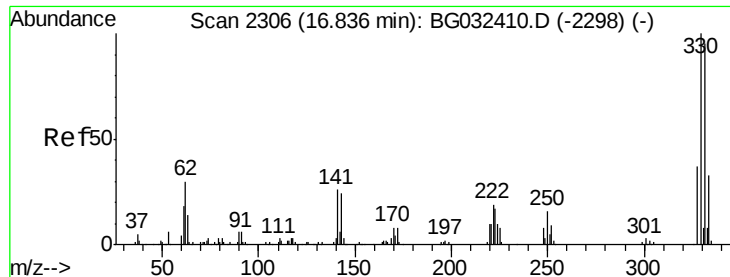
Tot Ion	82	Resp	193689
Ion Ratio	Lower	Upper	
82	100		
128	44.3	29.7	44.5
54	52.9	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

Tgt Ion	164	Resp	102863
Ion Ratio	Lower	Upper	
164	100		
162	109.7	78.8	118.2
160	47.5	35.4	53.0

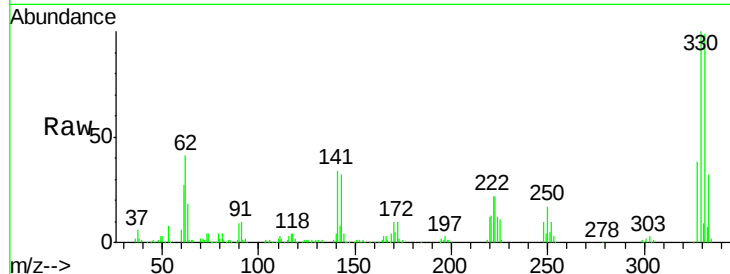




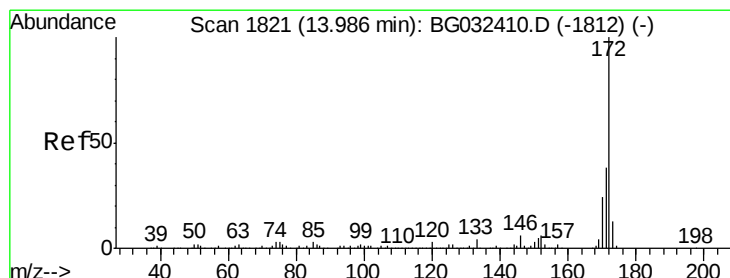
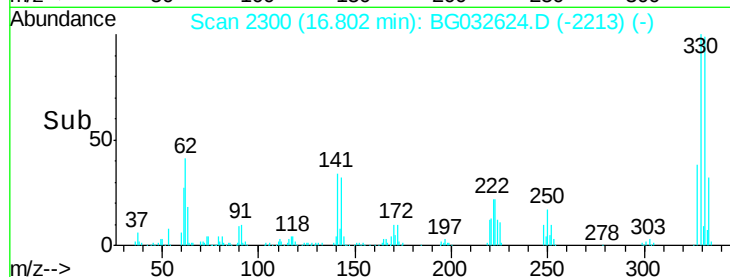
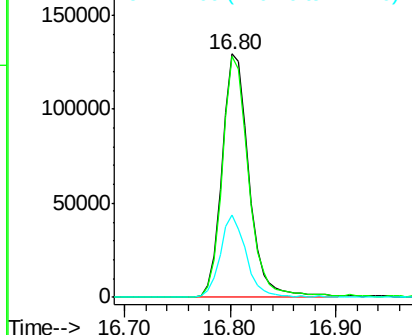
#41
 2,4,6-Tribromophenol
 Concen: 117.40 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.3	25.2	37.8

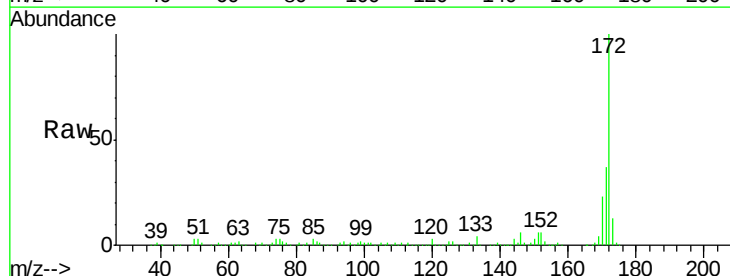


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

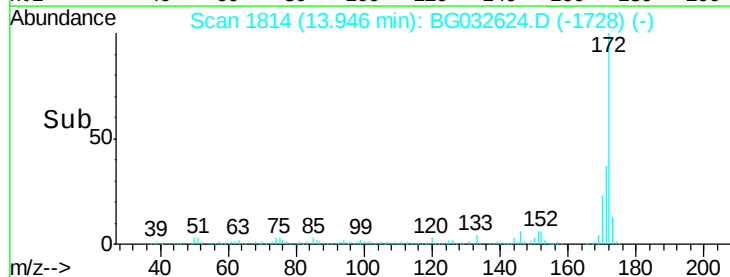
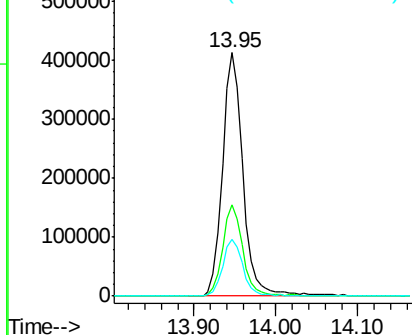


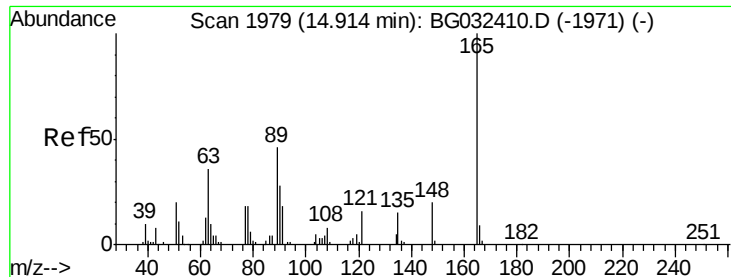
#44
 2-Fluorobiphenyl
 Concen: 83.31 ng
 RT: 13.95 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.1	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

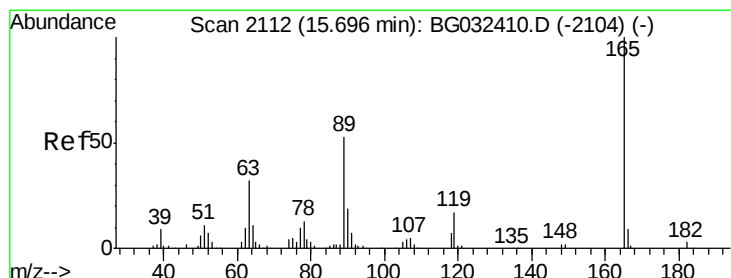
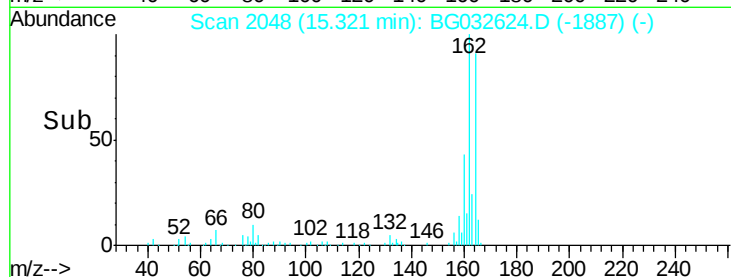
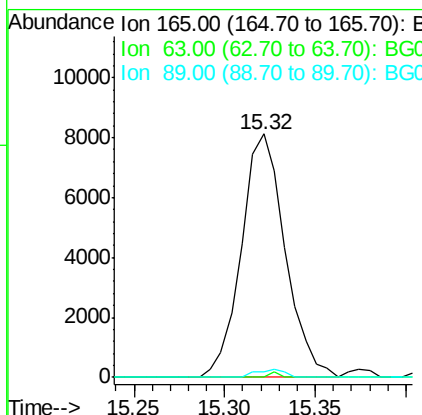
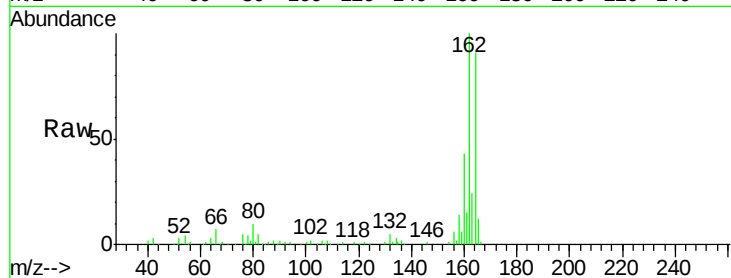




#50
 2,6-Dinitrotoluene
 Concen: 6.88 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. 0.42 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

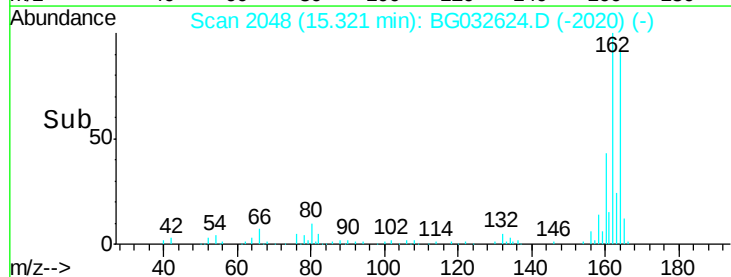
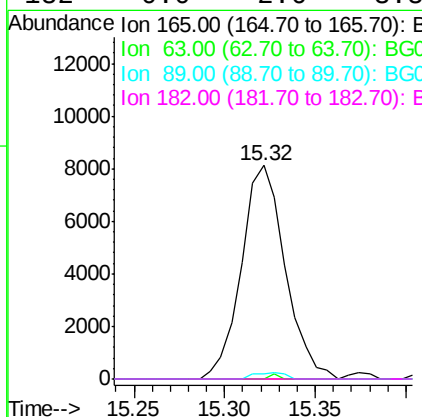
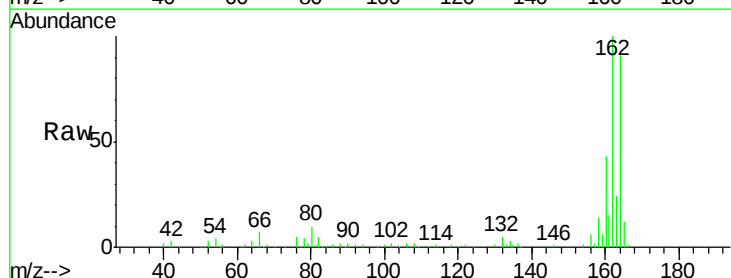
Instrument :
 BNA_G
 ClientSampleId :

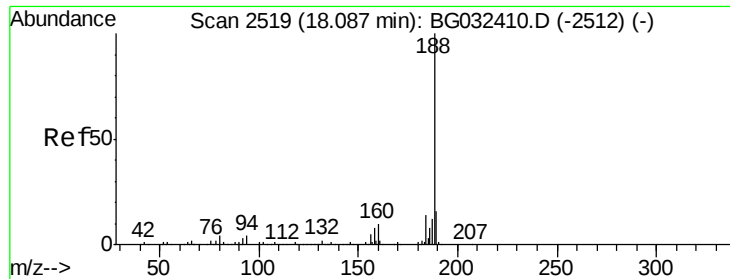
Tot Ion:165 Resp: 13703
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.4 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.83 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.36 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

Tgt Ion:165 Resp: 13703
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.4 66.9 100.3#
 182 0.0 2.6 3.8#

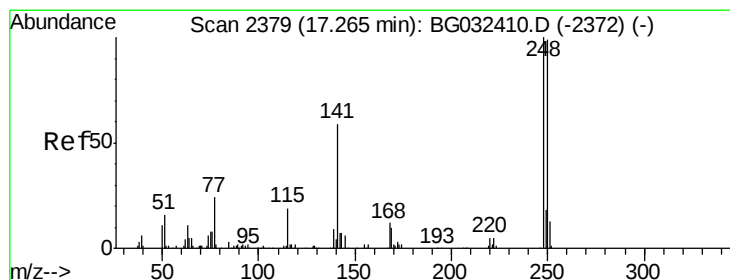
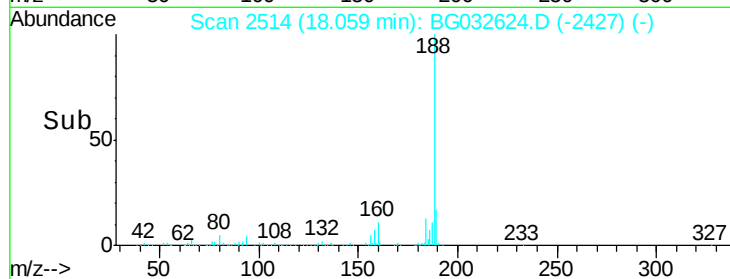
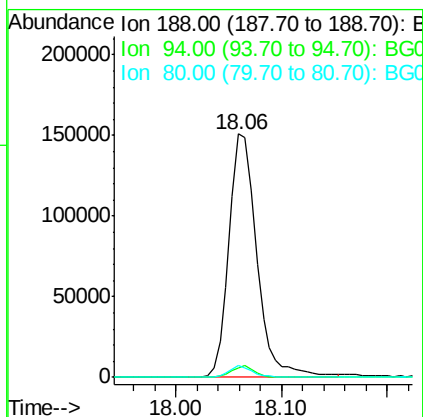
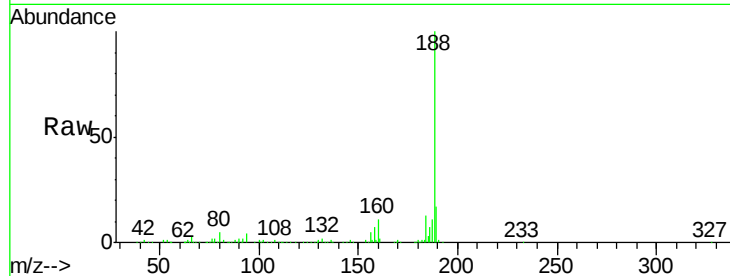




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.06 min Scan# 2514
 Delta R.T. -0.02 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

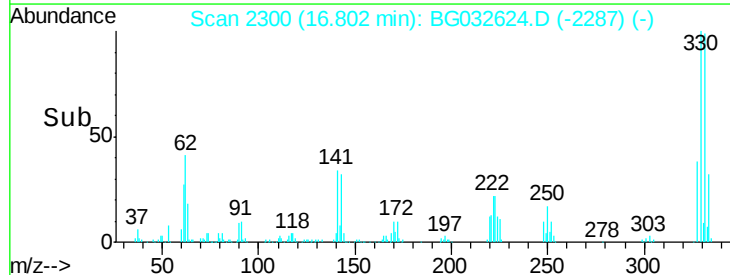
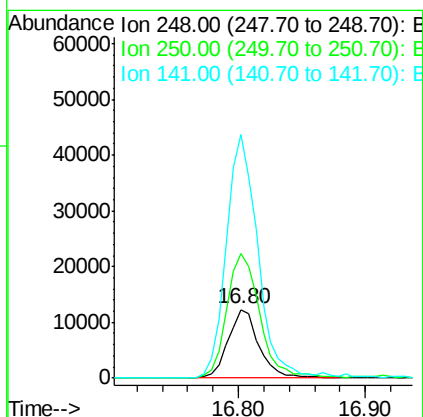
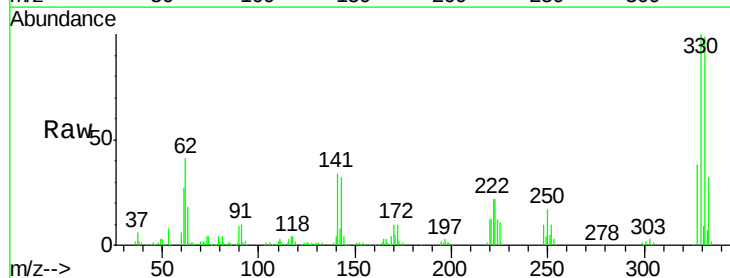
Instrument :
 BNA_G
 ClientSampleId :

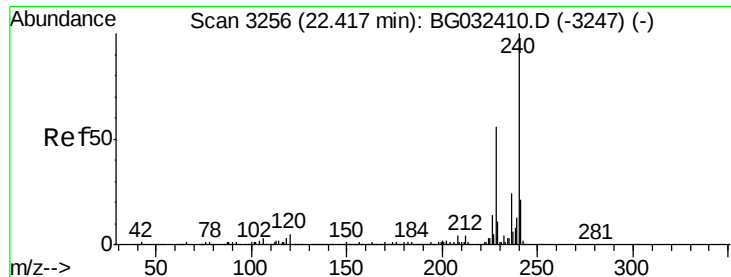
Tot Ion	Ratio	Lower	Upper
188	100		
94	3.9	6.9	10.3#
80	4.8	7.7	11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.05 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. -0.45 min
 Lab File: BG032624.D
 Acq: 8 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
248	100		
250	181.3	77.1	115.7#
141	353.9	50.8	76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.40 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BG032624.D

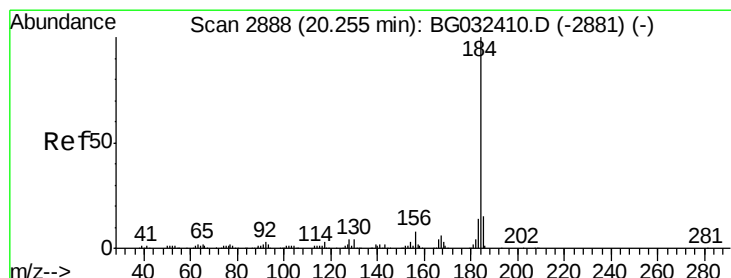
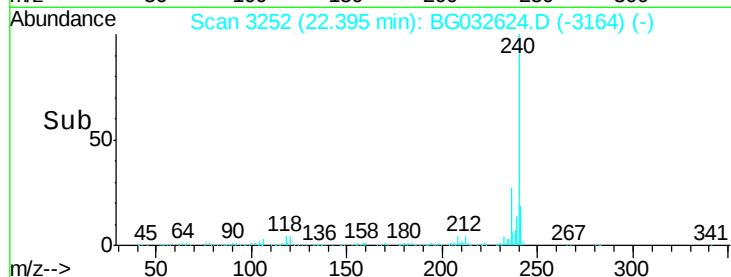
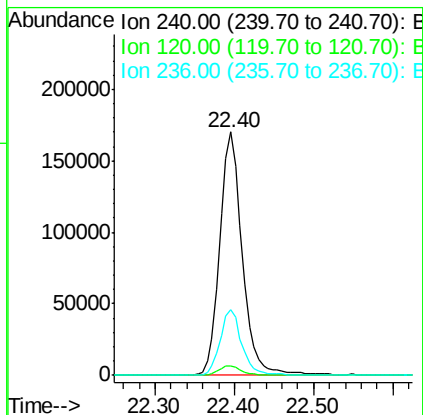
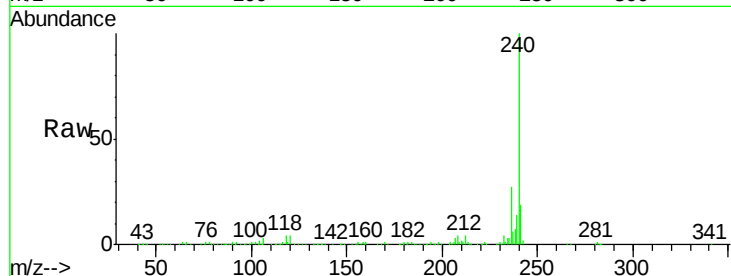
Acq: 8 Feb 2018 23:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	3.9	6.8	10.2#
236	26.9	20.9	31.3



#76

Benzidine

Concen: 3.26 ng

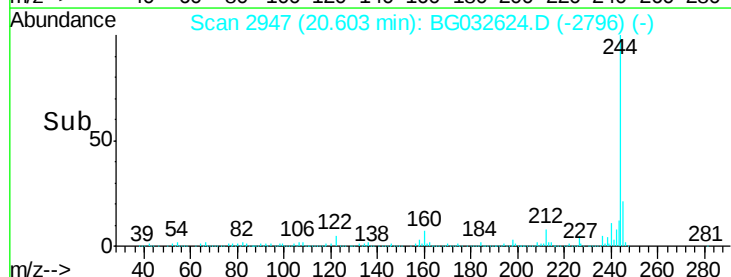
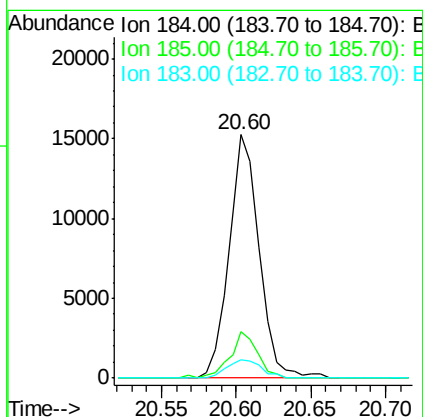
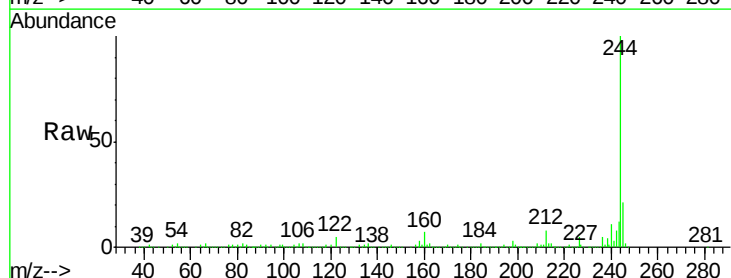
RT: 20.60 min Scan# 2947

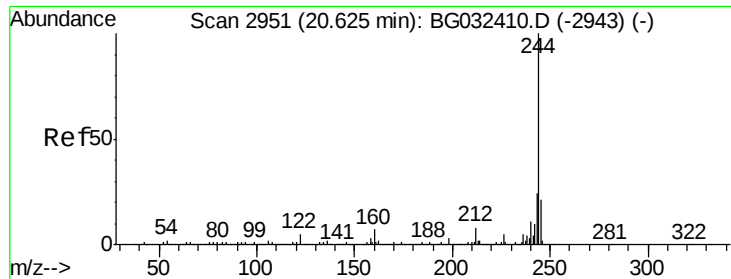
Delta R.T. 0.36 min

Lab File: BG032624.D

Acq: 8 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.3	11.1	16.7#
183	7.6	10.6	16.0#





#78

Terphenyl-d14

Concen: 87.08 ng

RT: 20.60 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032624.D

Acq: 8 Feb 2018 23:42

Instrument :

BNA_G

ClientSampleId :

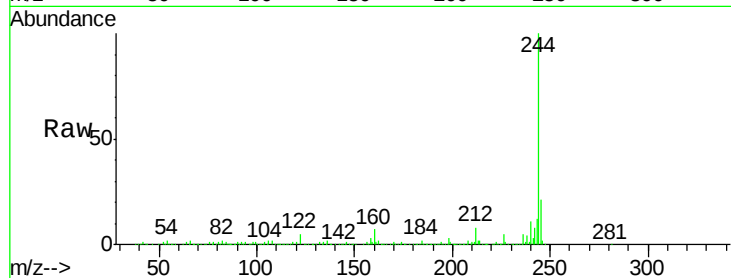
Tot Ion:244 Resp: 1363999

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	5.4	7.0	10.4

244 100

212 7.9 5.8 8.8

122 5.4 7.0 10.4



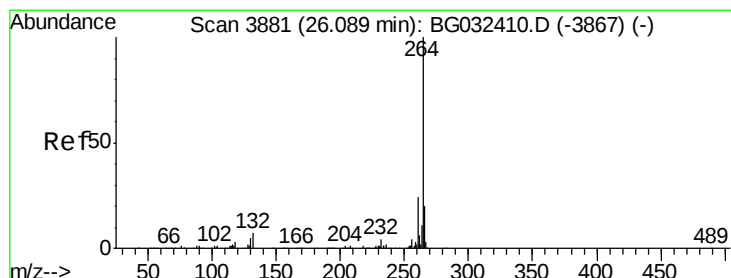
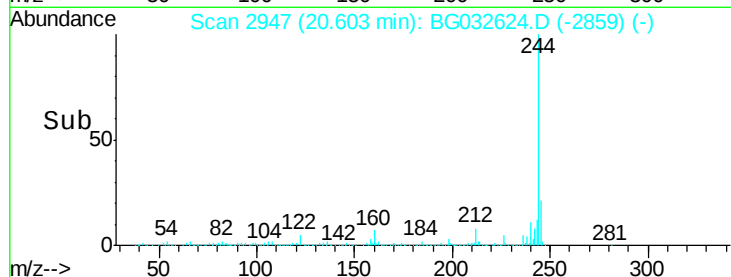
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.60

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 26.07 min Scan# 3877

Delta R.T. 0.00 min

Lab File: BG032624.D

Acq: 8 Feb 2018 23:42

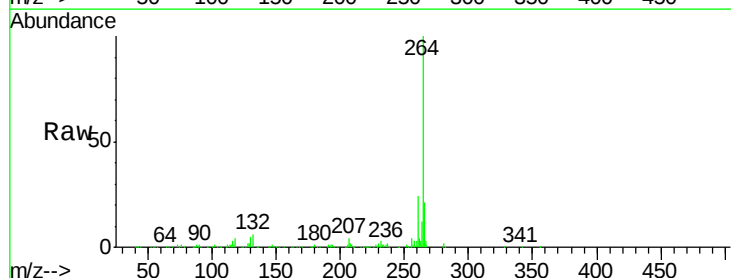
Tgt Ion:264 Resp: 335985

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.3	17.7	26.5

264 100

260 23.7 17.4 26.0

265 21.3 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

26.07

Time-->

