

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033924.D
 Acq On : 23 Apr 2018 17:11
 Operator : SJ/JU
 Sample : J2492-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 03:19:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

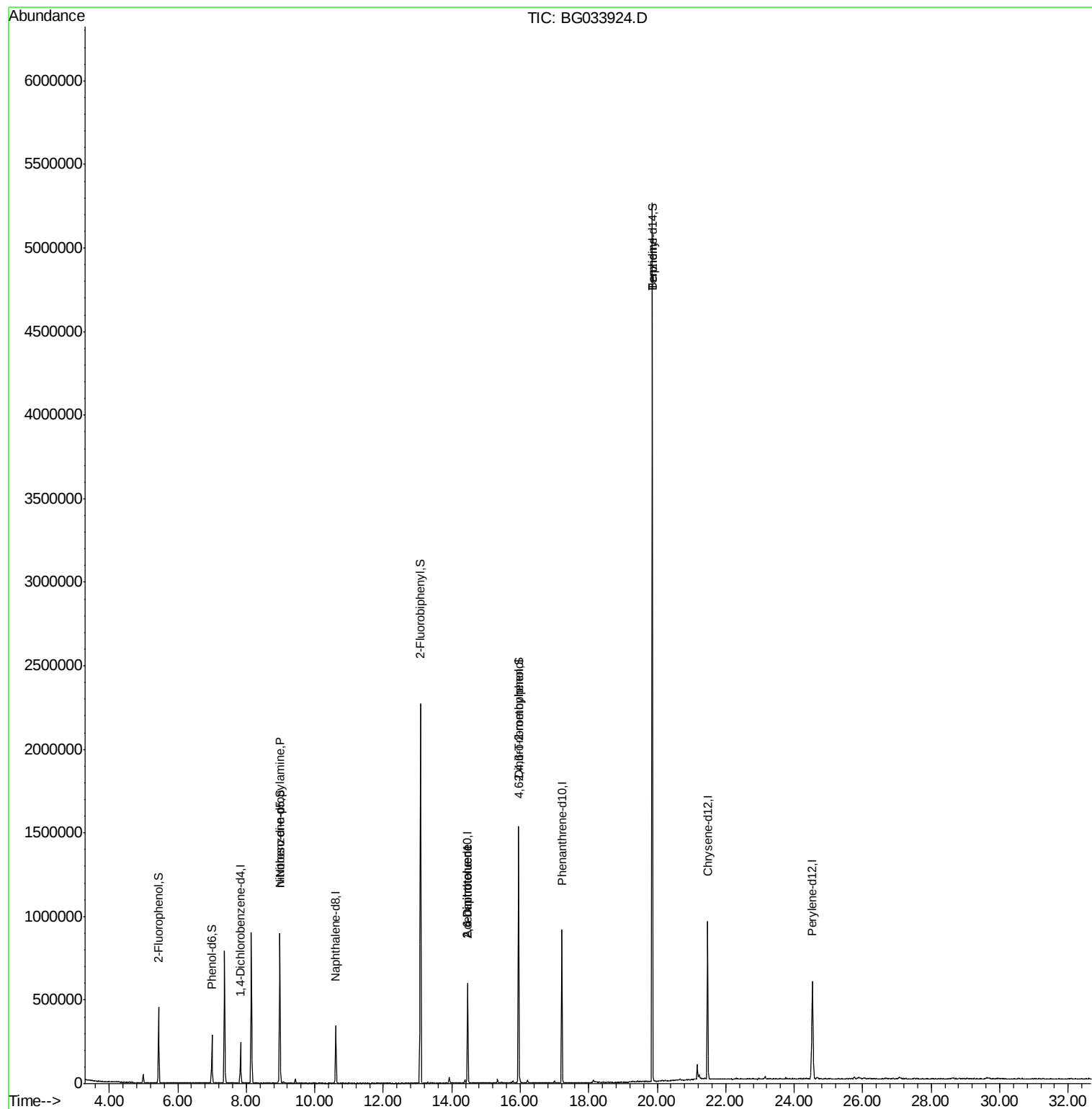
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	66626	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	291027	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	207502	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	557475	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	579121	20.00	ng	-0.02
86) Perylene-d12	24.53	264	583956	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	188163	45.09	ng	0.00
7) Phenol-d6	6.99	99	156627	25.73	ng	0.00
23) Nitrobenzene-d5	8.98	82	514806	100.67	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	273679	113.05	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1212581	85.85	ng	-0.01
78) Terphenyl-d14	19.85	244	2342945	90.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.97	77	63	Below Cal		Qvalue # 5
19) n-Nitroso-di-n-propylamine	8.98	70	72781	14.027	ng	# 80
50) 2,6-Dinitrotoluene	14.46	165	26305	7.605	ng	# 19
56) 2,4-Dinitrotoluene	14.46	165	26305	5.719	ng	# 17
64) 4,6-Dinitro-2-methylphenol	15.96	198	1299	6.908	ng	# 83
76) Benzidine	19.85	184	40712	2.603	ng	# 94

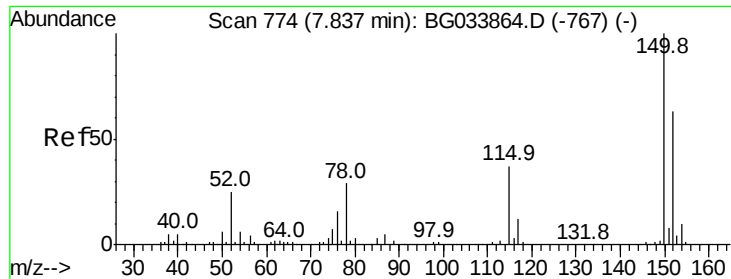
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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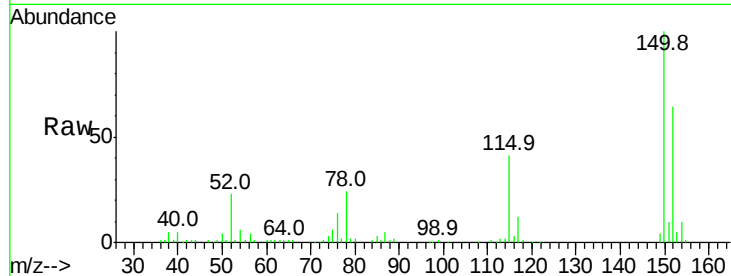


#1

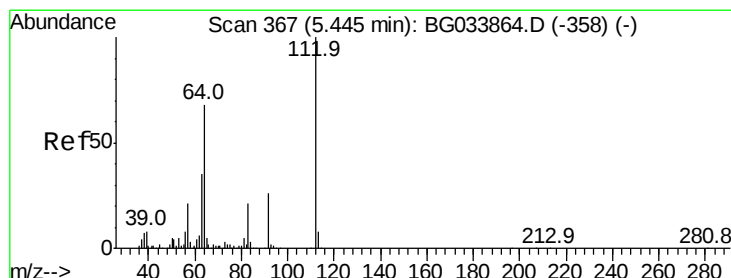
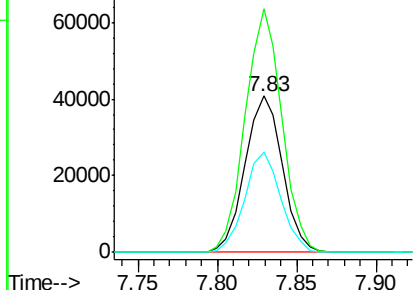
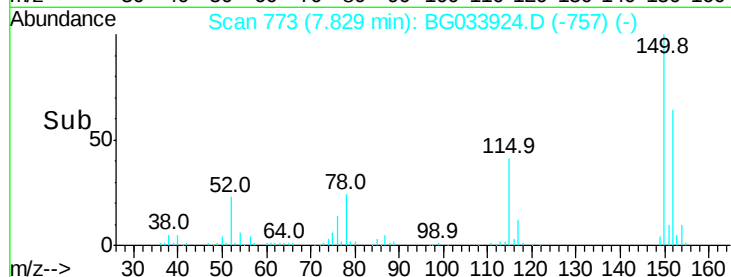
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033924.D
Acq: 23 Apr 2018 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66626
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 64.3 53.0 79.4



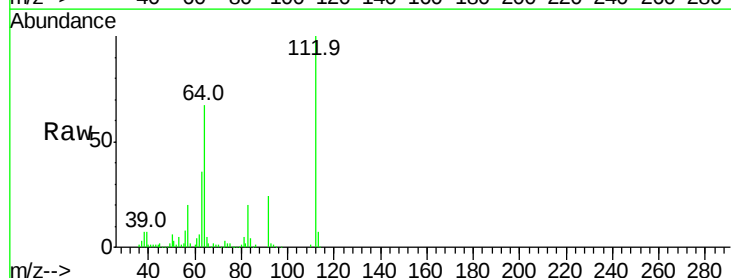
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



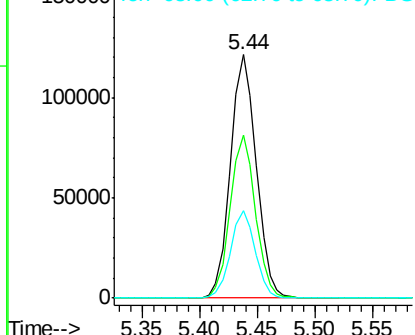
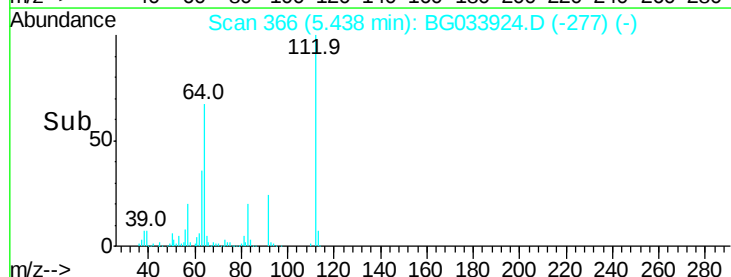
#5

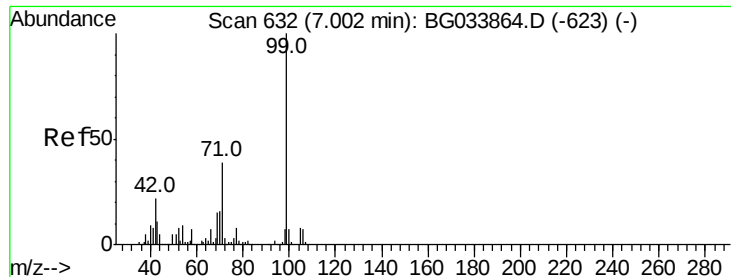
2-Fluorophenol
Concen: 45.089 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033924.D
Acq: 23 Apr 2018 17:11

Tgt Ion:112 Resp: 188163
Ion Ratio Lower Upper
112 100
64 66.9 56.3 84.5
63 35.8 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: 25.732 ng

RT: 6.99 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033924.D

Acq: 23 Apr 2018 17:11

Instrument :

BNA_G

ClientSampled :

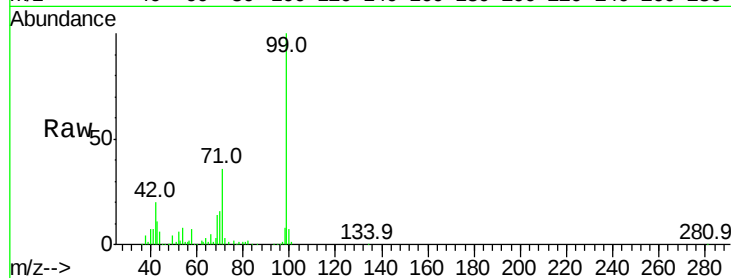
Tot Ion: 99 Resp: 156627

Ion Ratio Lower Upper

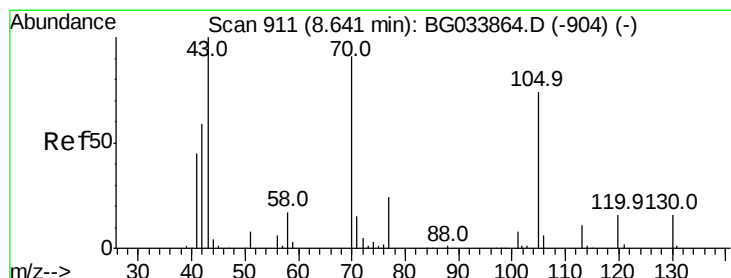
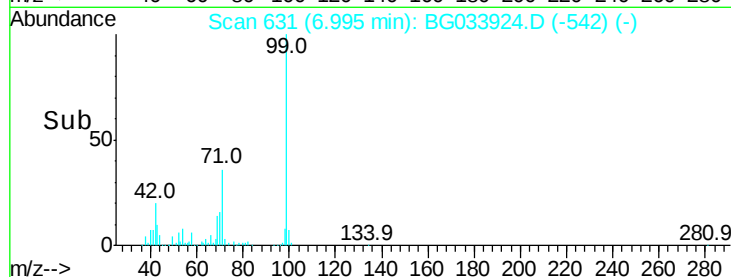
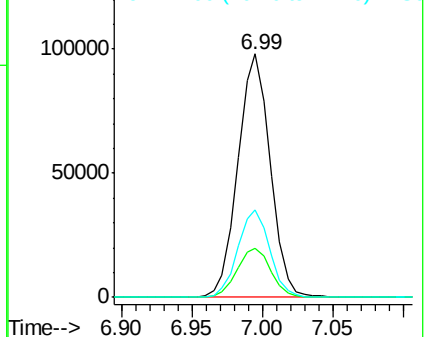
99 100

42 20.1 14.1 21.1

71 35.8 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: 14.027 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033924.D

Acq: 23 Apr 2018 17:11

Tgt Ion: 70 Resp: 72781

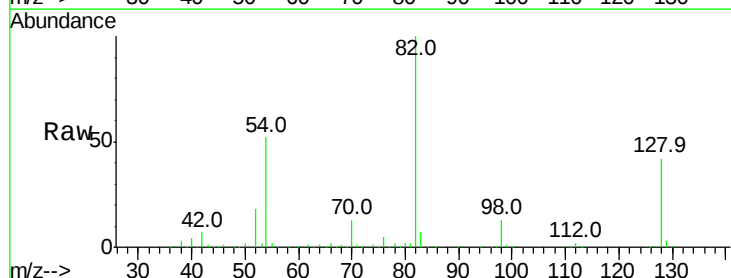
Ion Ratio Lower Upper

70 100

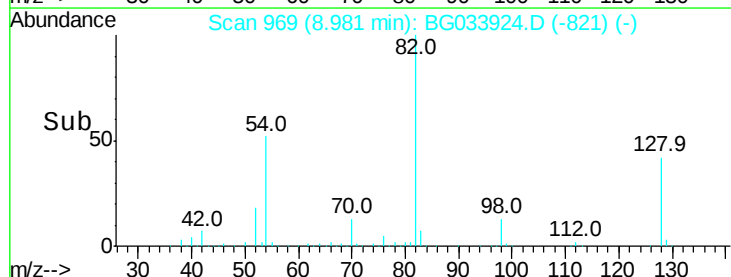
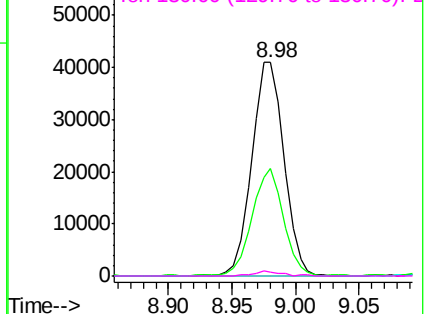
42 50.1 49.1 73.7

101 0.0 8.5 12.7#

130 1.6 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

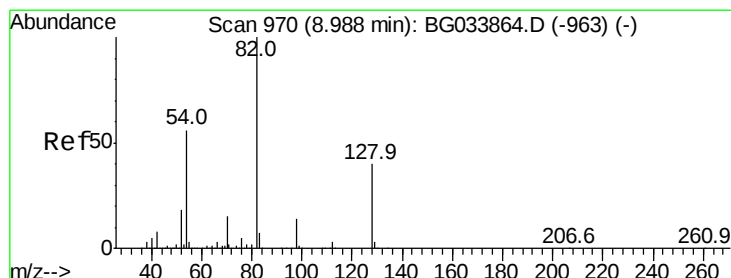
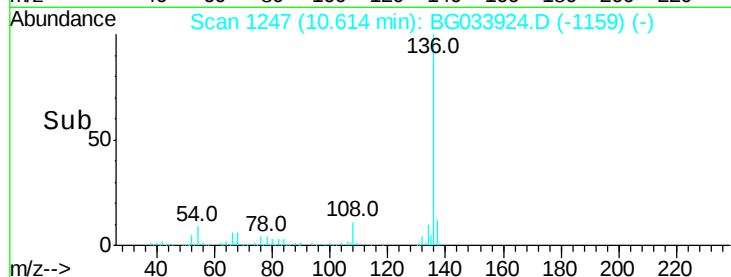
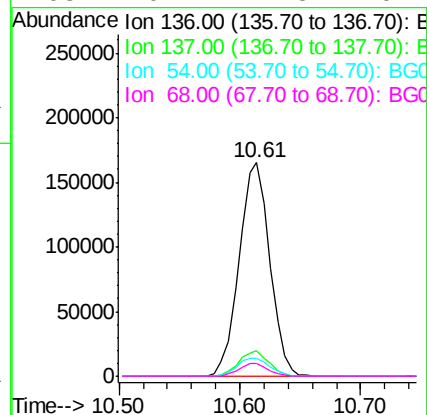
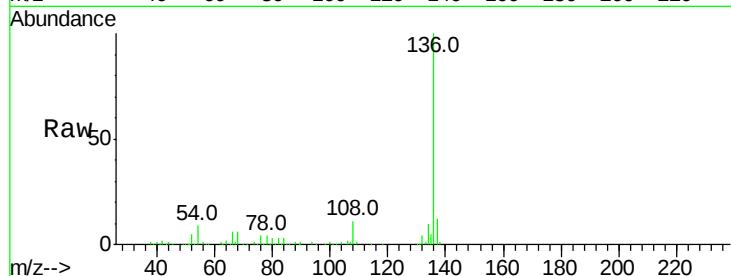




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033924.D
Acq: 23 Apr 2018 17:11

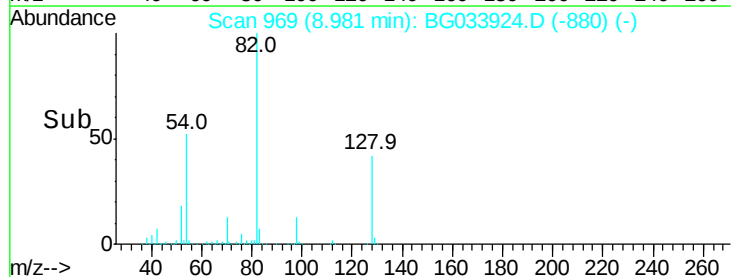
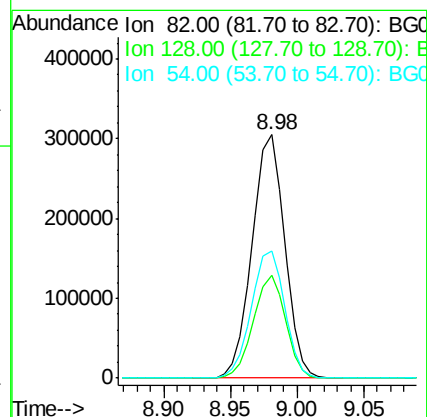
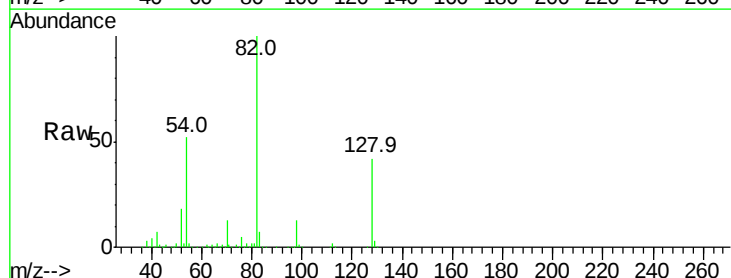
Instrument :
BNA_G
ClientSampleId :

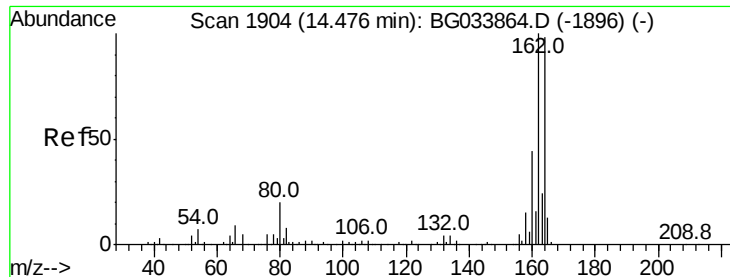
Tot Ion:	136	Resp:	291027
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	8.5	10.3	15.5
68	6.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 100.669 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033924.D
Acq: 23 Apr 2018 17:11

Tgt Ion:	82	Resp:	514806
Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	52.3	43.1	64.7

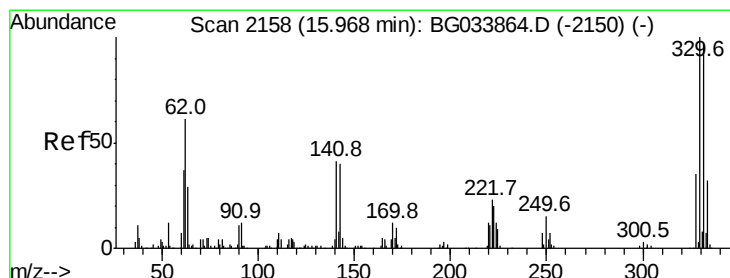
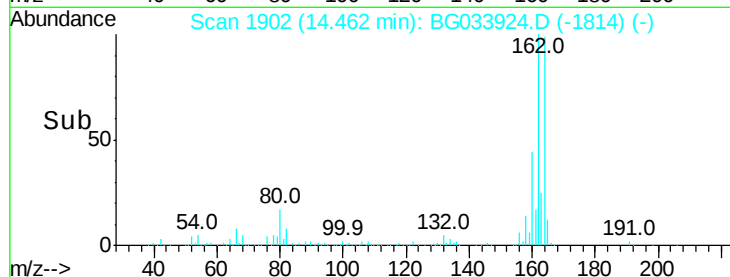
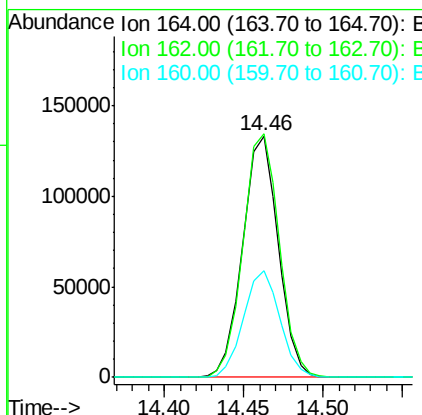
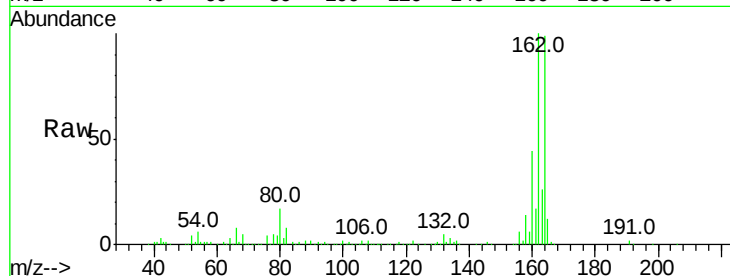




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: BG033924.D
 Acq: 23 Apr 2018 17:11

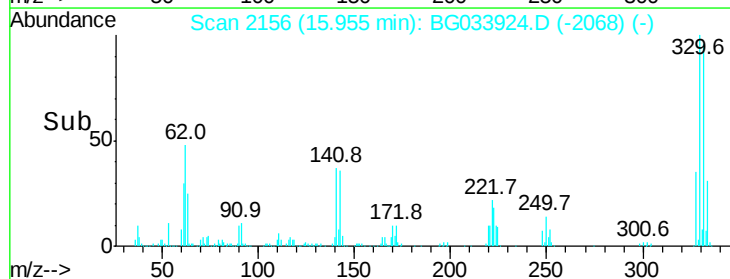
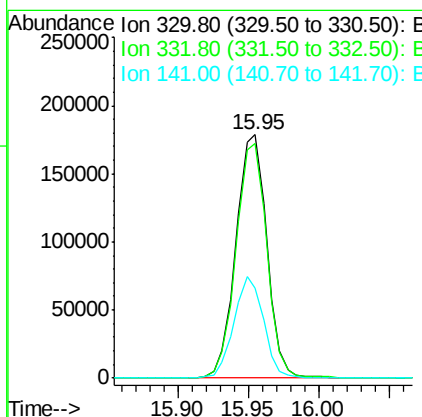
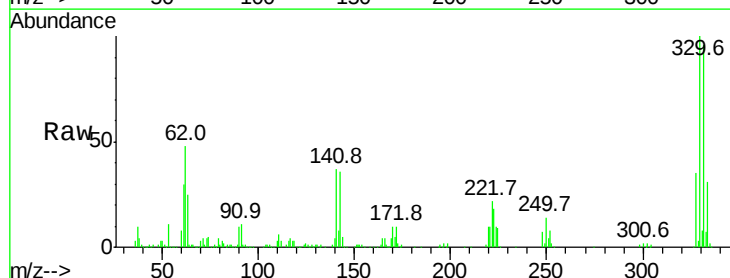
Instrument :
 BNA_G
 ClientSampleId :

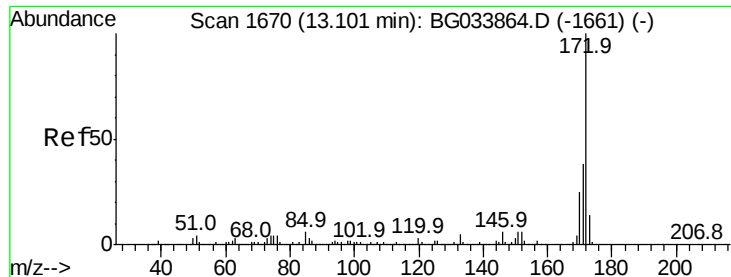
Tot Ion:164 Resp: 207502
 Ion Ratio Lower Upper
 164 100
 162 100.9 78.8 118.2
 160 44.4 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 113.051 ng
 RT: 15.95 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BG033924.D
 Acq: 23 Apr 2018 17:11

Tgt Ion:330 Resp: 273679
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 39.9 25.2 37.8#



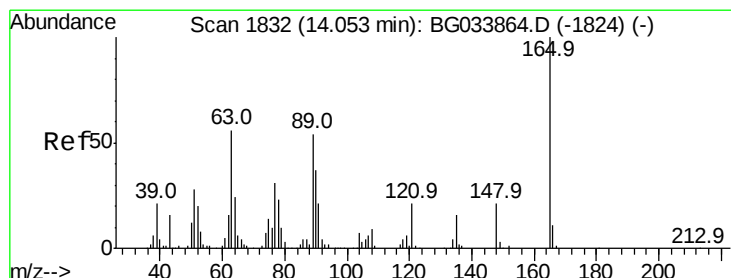
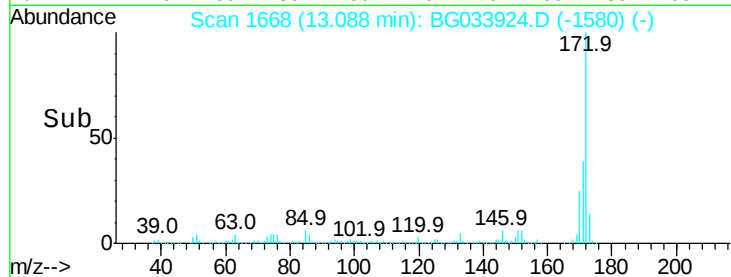
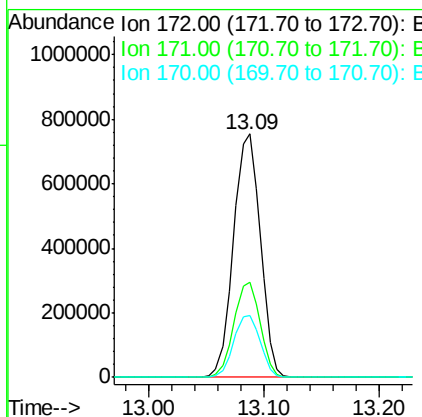
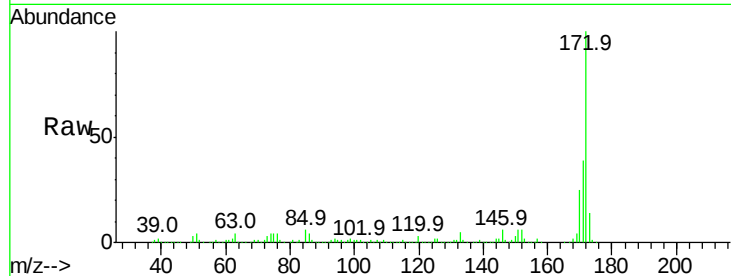


#44
 2-Fluorobiphenyl
 Concen: 85.845 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033924.D
 Acq: 23 Apr 2018 17:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1212581

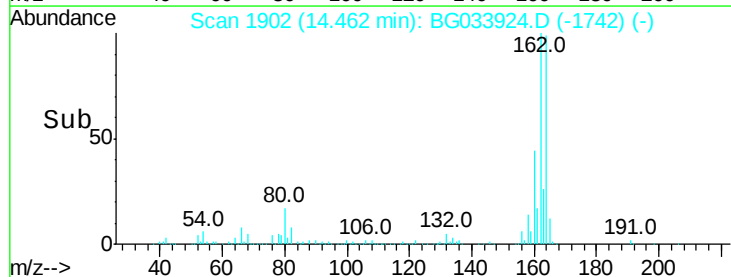
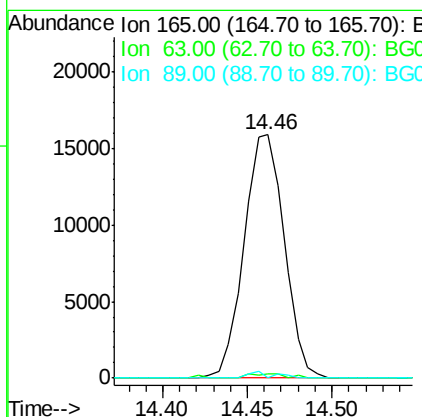
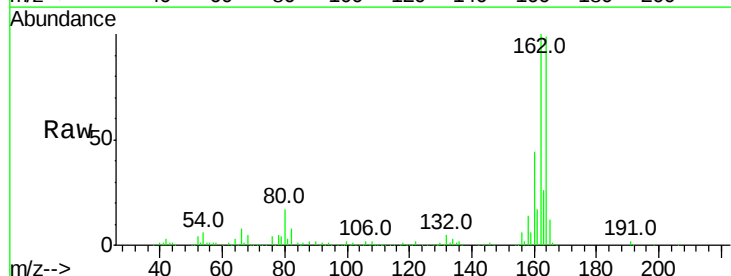
Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.3	19.5	29.3

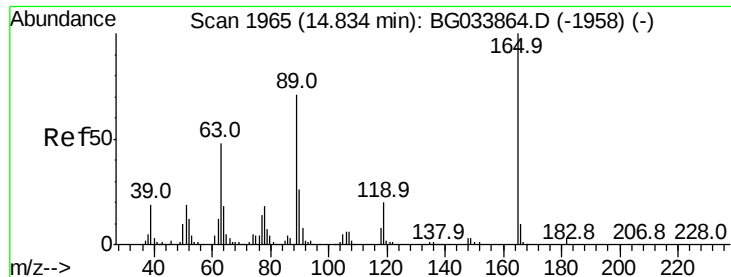


#50
 2,6-Dinitrotoluene
 Concen: 7.605 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033924.D
 Acq: 23 Apr 2018 17:11

Tgt Ion:165 Resp: 26305

Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	0.0	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 5.719 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.37 min

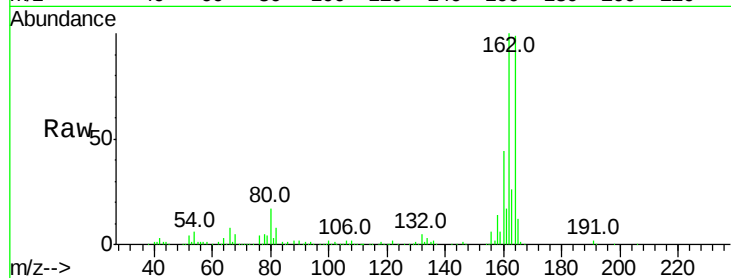
Lab File: BG033924.D

Acq: 23 Apr 2018 17:11

Instrument :

BNA_G

ClientSampled :



Tot Ion:165 Resp: 26305

Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 0.0 66.9 100.3#

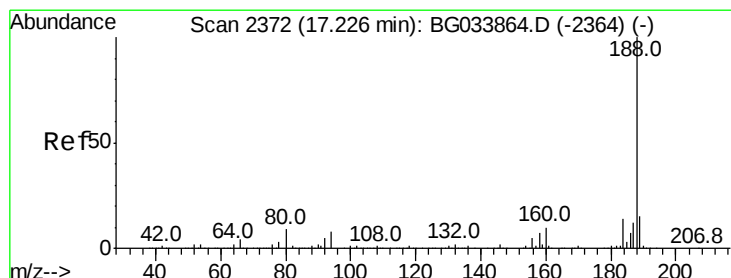
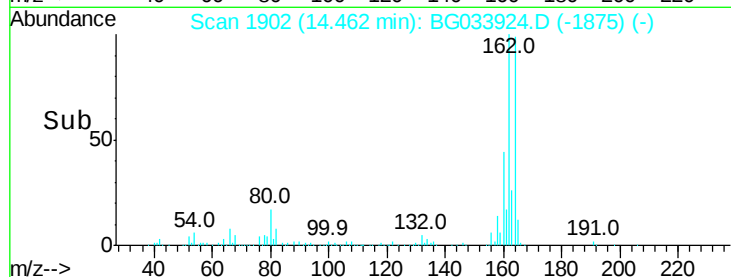
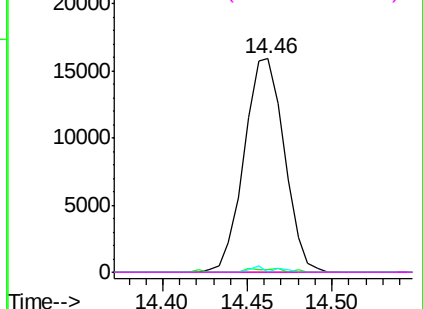
182 0.0 2.6 3.8#

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: 17.21 min Scan# 2370

Delta R.T. -0.01 min

Lab File: BG033924.D

Acq: 23 Apr 2018 17:11

Tgt Ion:188 Resp: 557475

Ion Ratio Lower Upper

188 100

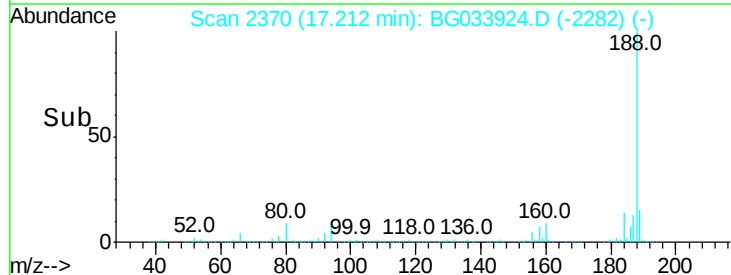
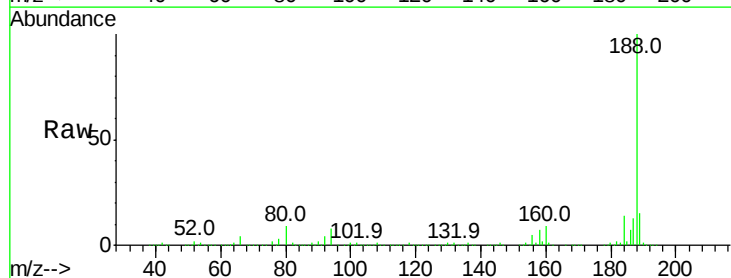
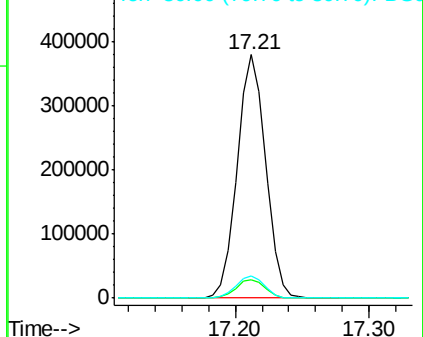
94 7.7 6.9 10.3

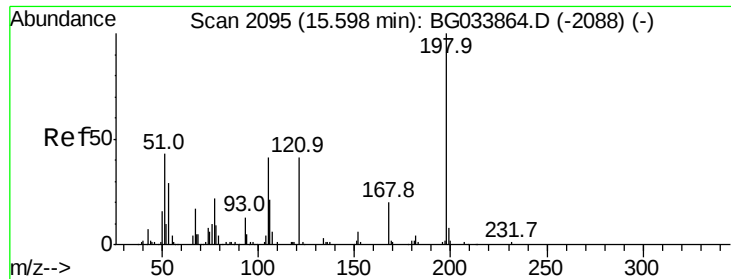
80 9.2 7.7 11.5

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

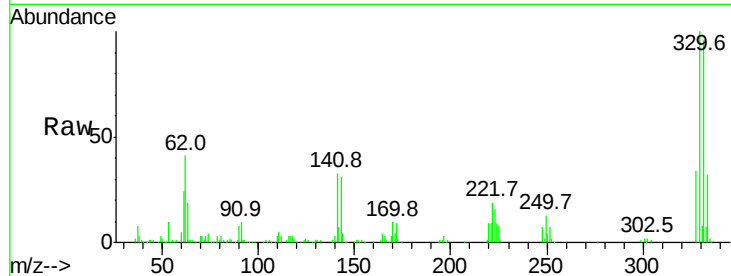




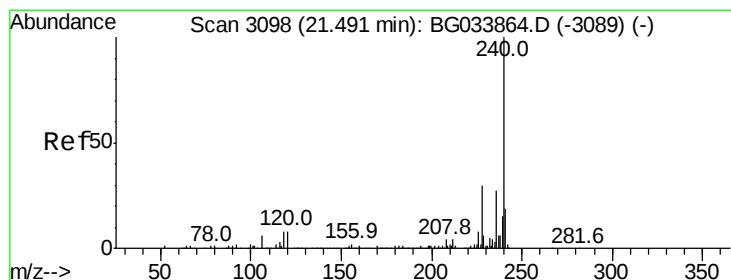
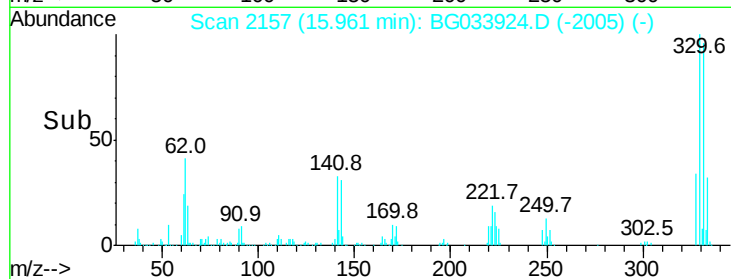
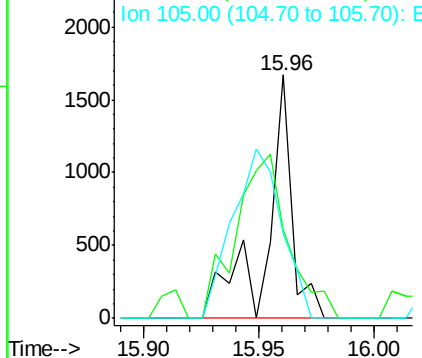
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.908 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. 0.36 min
 Lab File: BG033924.D
 Acq: 23 Apr 2018 17:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	36.6	30.6	70.6
105	34.7	23.8	63.8

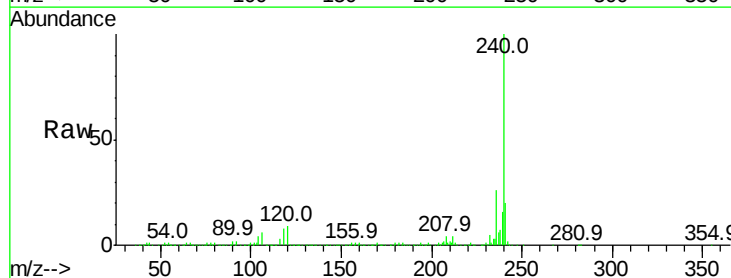


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

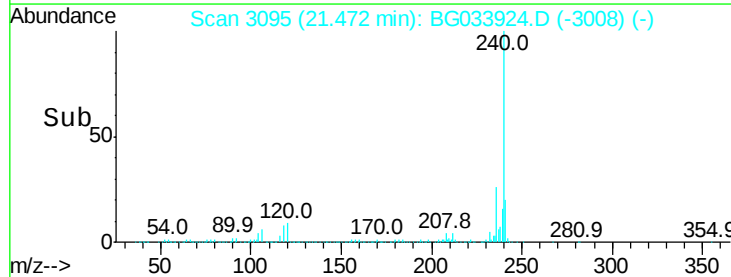
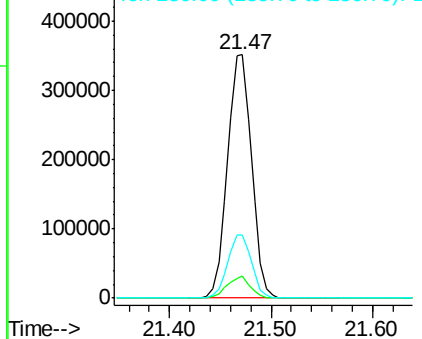


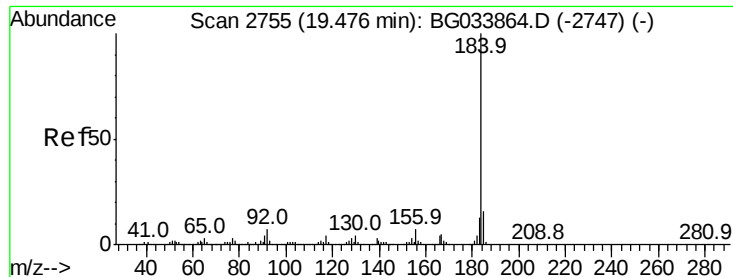
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3095
 Delta R.T. -0.02 min
 Lab File: BG033924.D
 Acq: 23 Apr 2018 17:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	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





#76

Benzidine

Concen: 2.603 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.37 min

Lab File: BG033924.D

Acq: 23 Apr 2018 17:11

Instrument :

BNA_G

ClientSampleId :

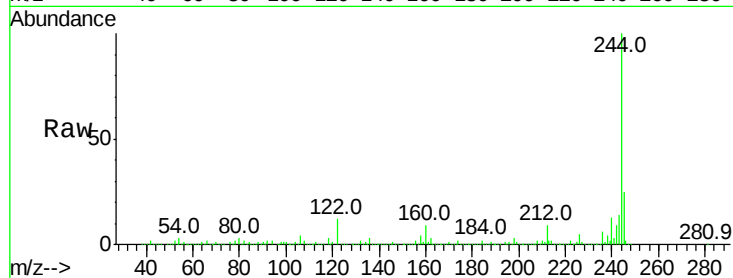
Tot Ion:184 Resp: 40712

Ion Ratio Lower Upper

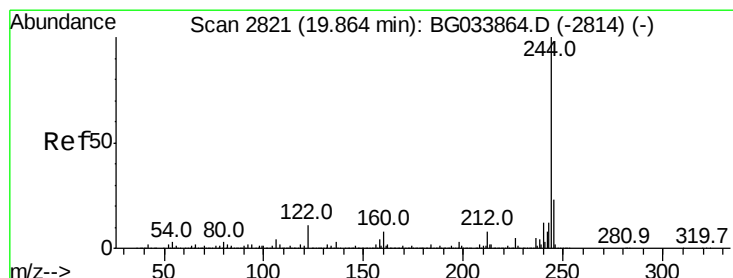
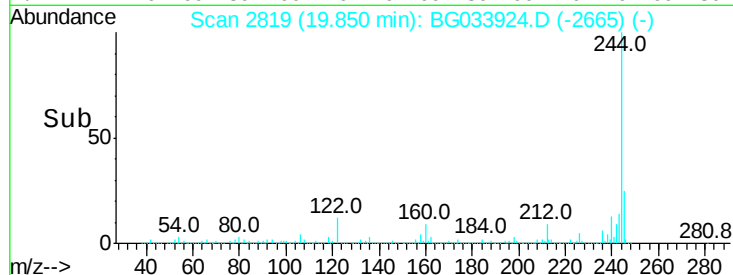
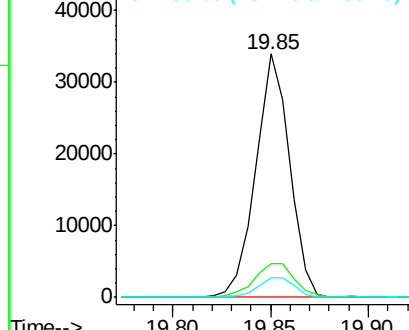
184 100

185 13.9 11.1 16.7

183 8.2 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: 90.891 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033924.D

Acq: 23 Apr 2018 17:11

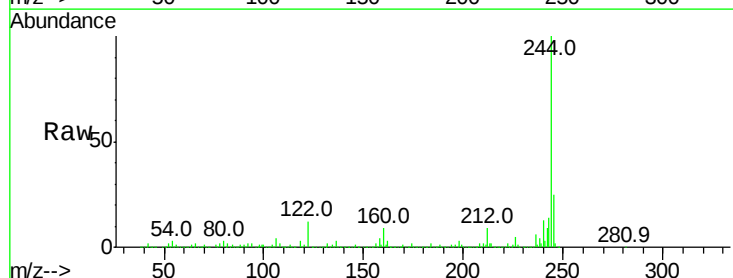
Tgt Ion:244 Resp: 2342945

Ion Ratio Lower Upper

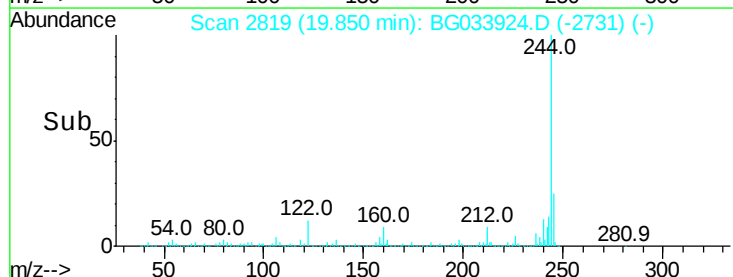
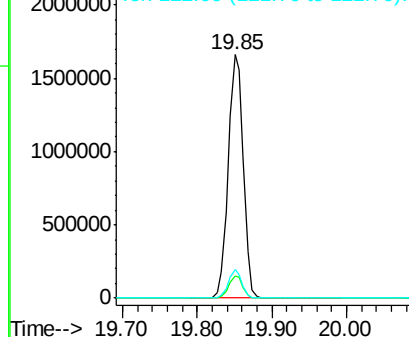
244 100

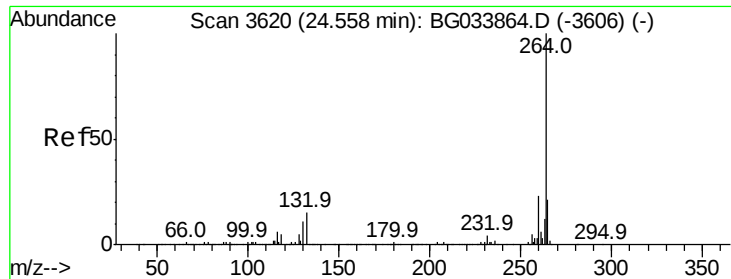
212 9.3 5.8 8.8#

122 11.7 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: 24.53 min Scan# 3616
Delta R.T. -0.03 min
Lab File: BG033924.D
Acq: 23 Apr 2018 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.8	17.7	26.5

