

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034055.D
 Acq On : 28 Apr 2018 1:12
 Operator : SJ/JU
 Sample : J2549-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 02:04:43 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

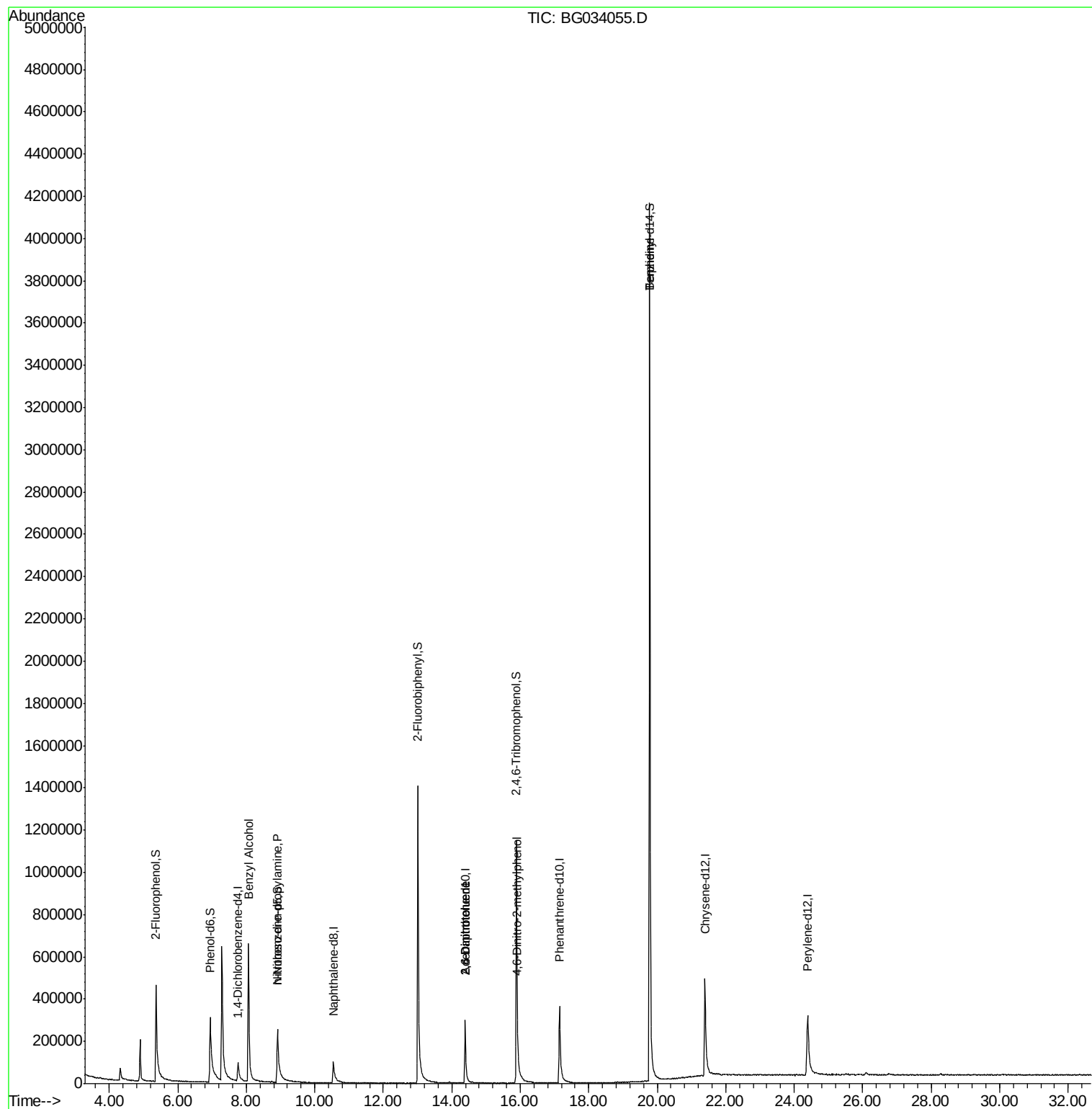
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	34161	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	204052	20.00	ng	-0.08
38) Acenaphthene-d10	14.39	164	158816	20.00	ng	-0.08
63) Phenanthrene-d10	17.15	188	464802	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	513277	20.00	ng	-0.10
86) Perylene-d12	24.39	264	457168	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	429050	200.52	ng	-0.08
7) Phenol-d6	6.95	99	455615	145.99	ng	-0.05
23) Nitrobenzene-d5	8.91	82	359845	100.36	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	363993	196.45	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1157999	107.11	ng	-0.09
78) Terphenyl-d14	19.78	244	2572560	112.60	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.91	77	57	Below Cal	Qvalue	# 5
15) Benzyl Alcohol	8.06	79	6259	2.300 ng	#	40
19) n-Nitroso-di-n-propylamine	8.92	70	41848	15.731 ng	#	77
50) 2,6-Dinitrotoluene	14.39	165	20298	7.667 ng	#	20
56) 2,4-Dinitrotoluene	14.39	165	20977	5.958 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.92	198	175	6.557 ng		92
76) Benzydine	19.78	184	36307	2.619 ng	#	94

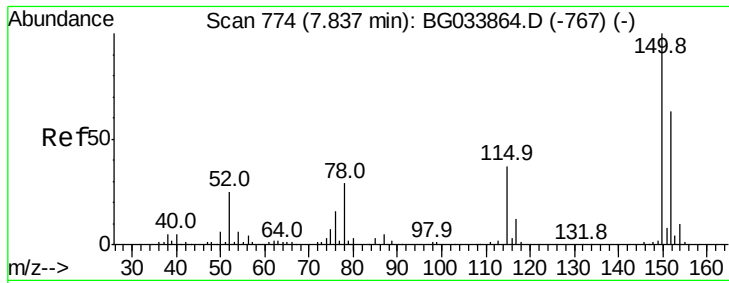
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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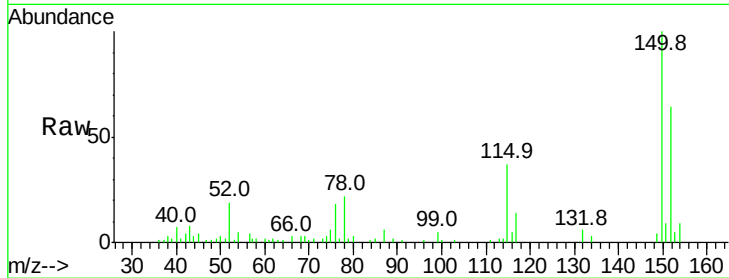


#1

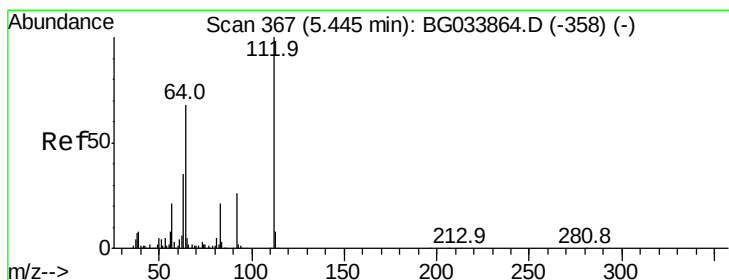
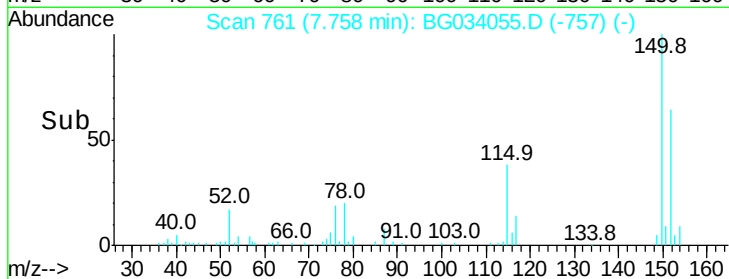
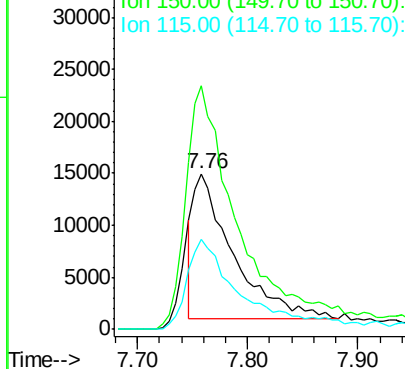
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034055.D
Acq: 28 Apr 2018 1:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34161
Ion Ratio Lower Upper
152 100
150 156.5 126.6 189.8
115 58.1 53.0 79.4



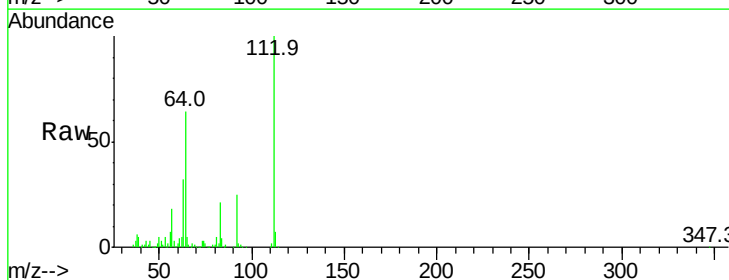
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



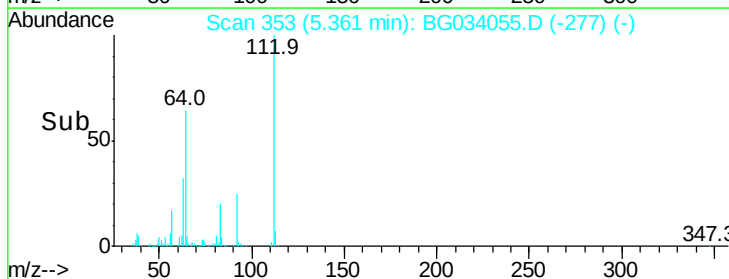
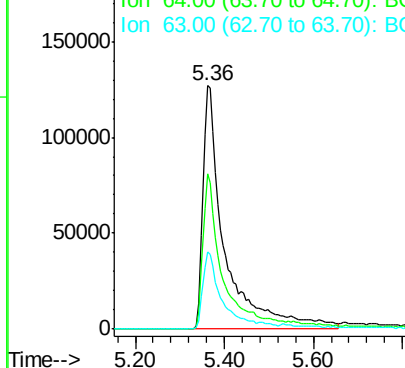
#5

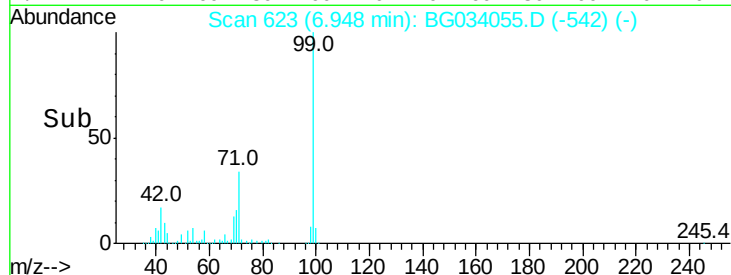
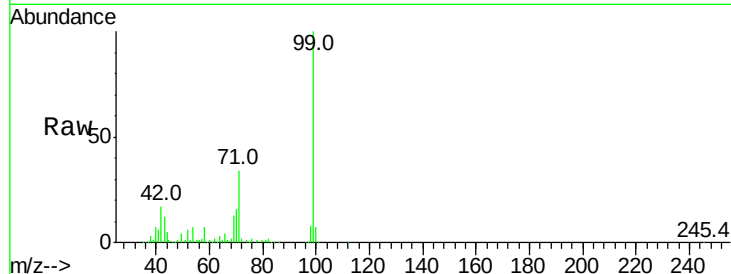
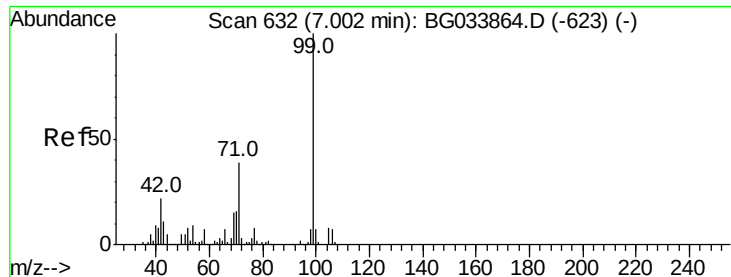
2-Fluorophenol
Concen: 200.519 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034055.D
Acq: 28 Apr 2018 1:12

Tgt Ion:112 Resp: 429050
Ion Ratio Lower Upper
112 100
64 64.0 56.3 84.5
63 31.9 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

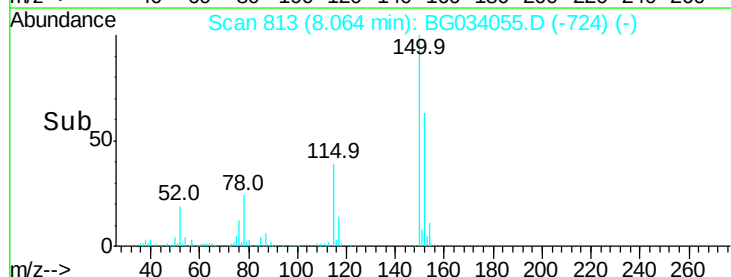
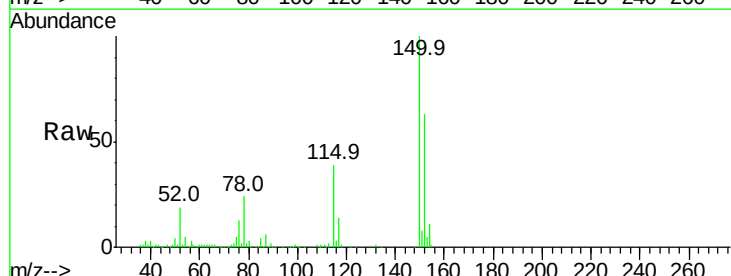
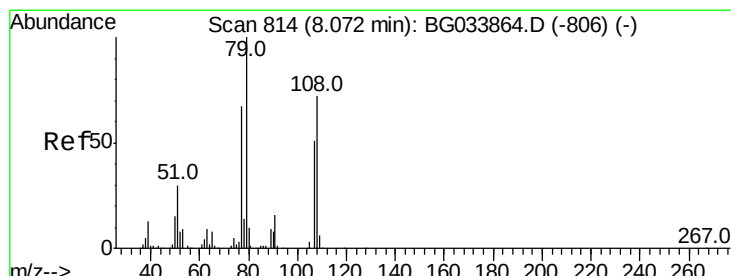
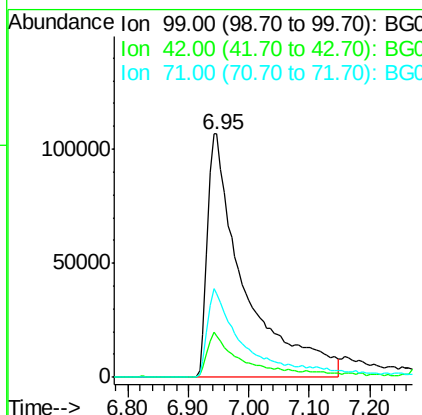




#7
 Phenol-d6
 Concen: 145.989 ng
 RT: 6.95 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

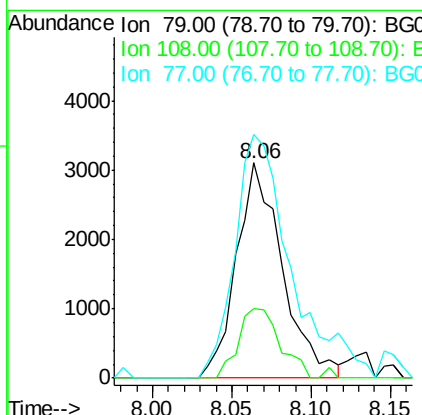
Instrument :
 BNA_G
 ClientSampled :

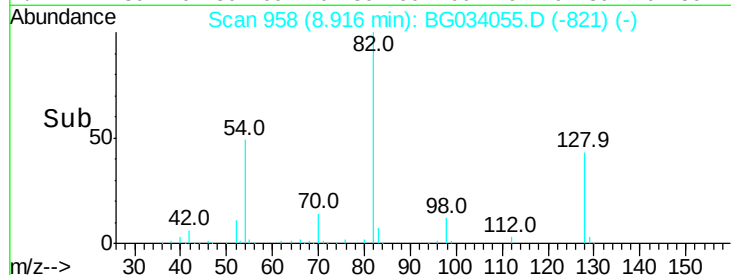
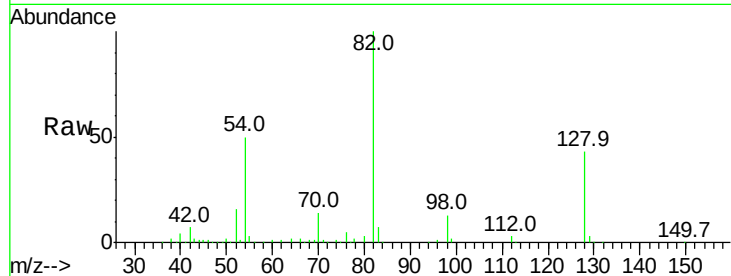
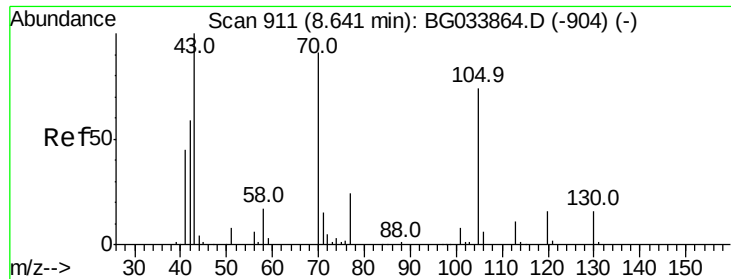
Tot Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.1	21.1
71	34.2	26.1	39.1



#15
 Benzyl Alcohol
 Concen: 2.300 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

Tgt Ion	Ratio	Lower	Upper
79	100		
108	32.0	57.2	85.8#
77	113.0	46.1	69.1#

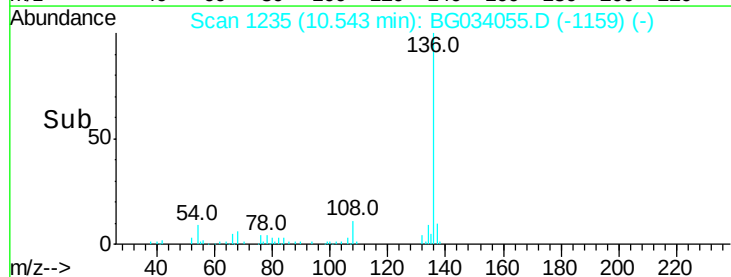
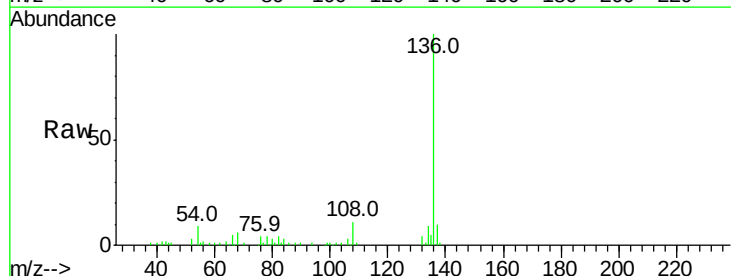
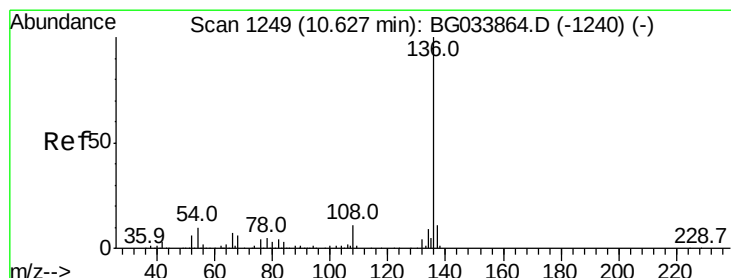
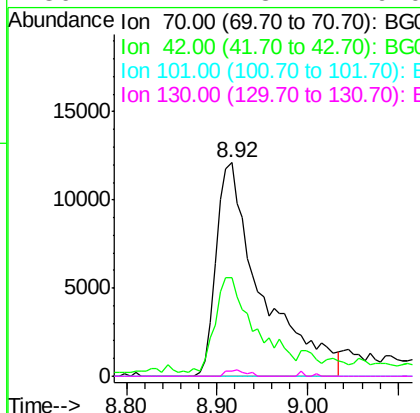




#19
n-Nitroso-di-n-propylamine
Concen: 15.731 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.27 min
Lab File: BG034055.D
Acq: 28 Apr 2018 1:12

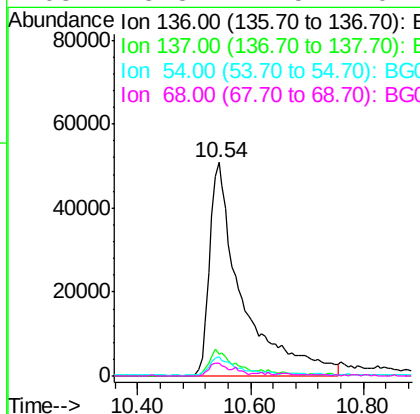
Instrument :
BNA_G
ClientSampleId :

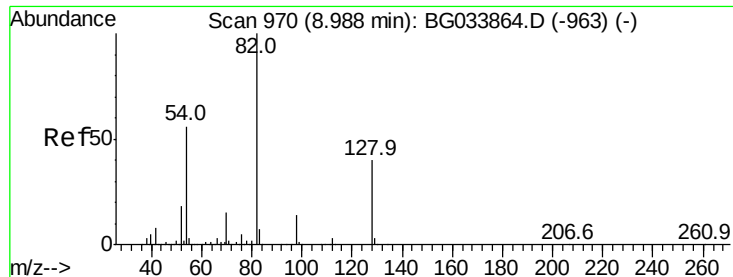
Tot Ion: 70 Resp: 41848
Ion Ratio Lower Upper
70 100
42 46.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.54 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG034055.D
Acq: 28 Apr 2018 1:12

Tgt Ion: 136 Resp: 204052
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 9.3 10.3 15.5#
68 5.8 4.5 6.7

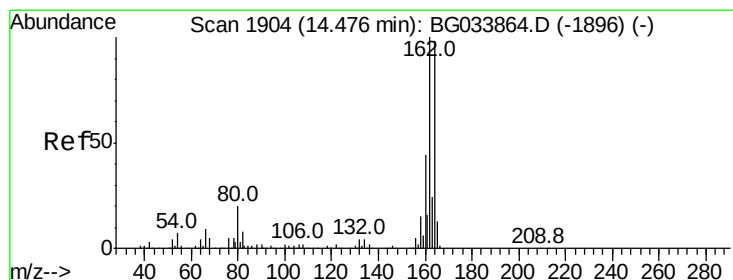
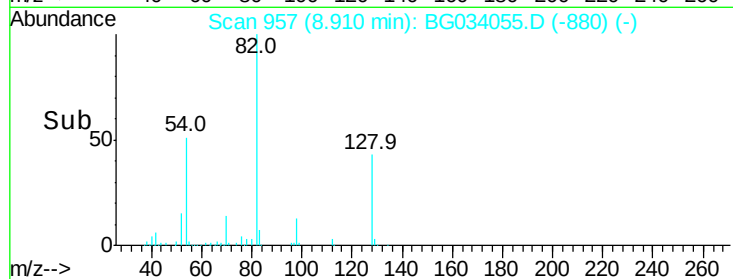
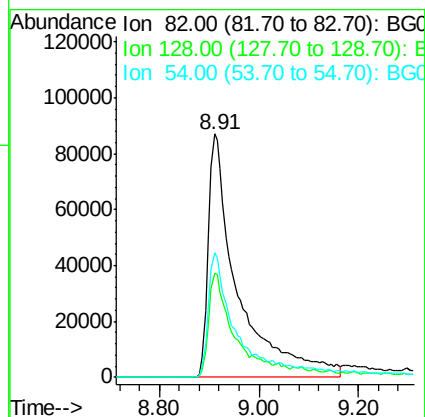
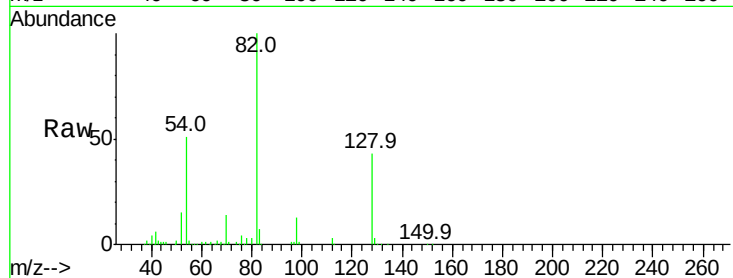




#23
Nitrobenzene-d5
Concen: 100.360 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034055.D
Acq: 28 Apr 2018 1:12

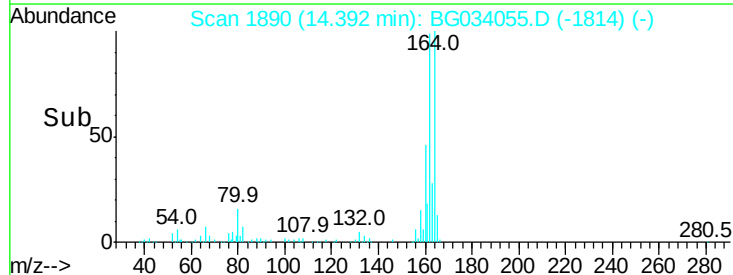
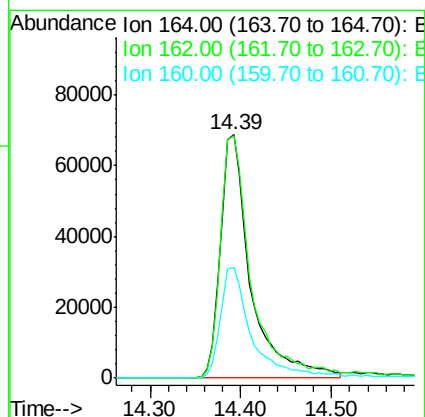
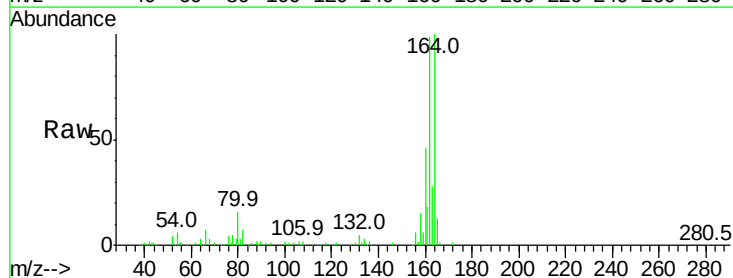
Instrument :
BNA_G
ClientSampled :

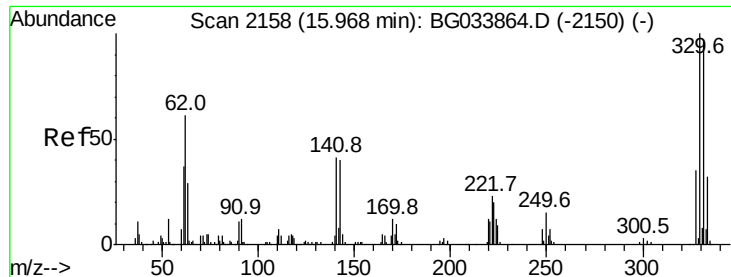
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	29.7	44.5
54	51.1	43.1	64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.08 min
Lab File: BG034055.D
Acq: 28 Apr 2018 1:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.8	118.2
160	45.6	35.4	53.0

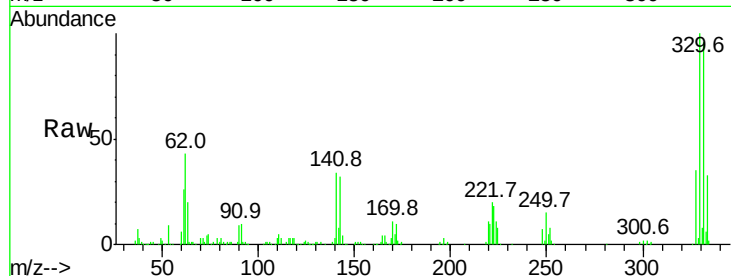




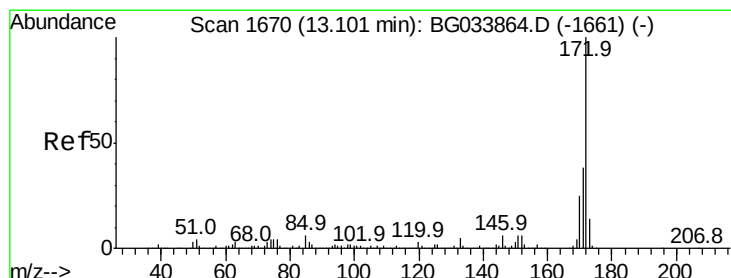
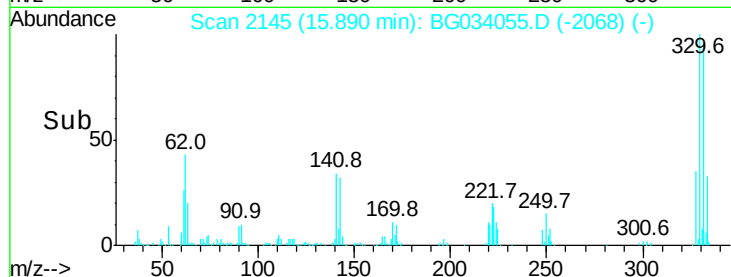
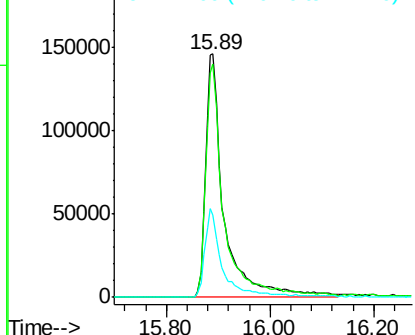
#41
 2,4,6-Tribromophenol
 Concen: 196.451 ng
 RT: 15.89 min Scan# 2145
 Delta R.T. -0.08 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	34.0	25.2	37.8

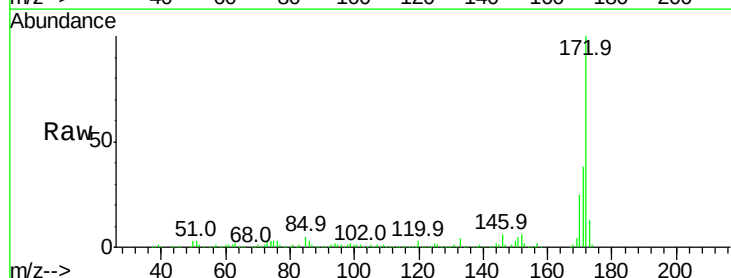


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

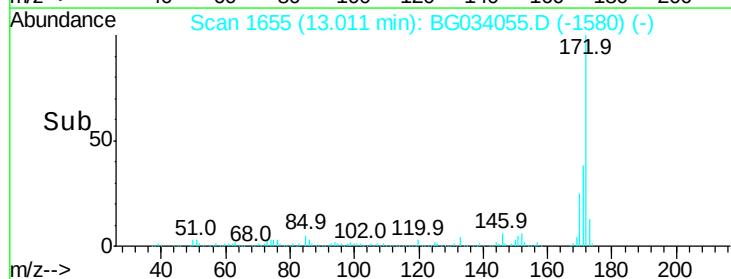
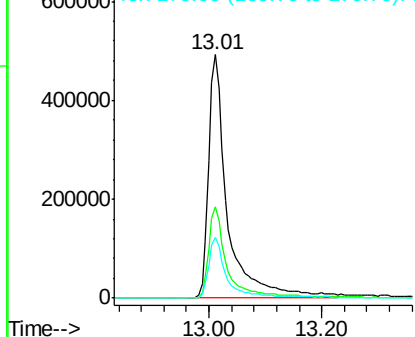


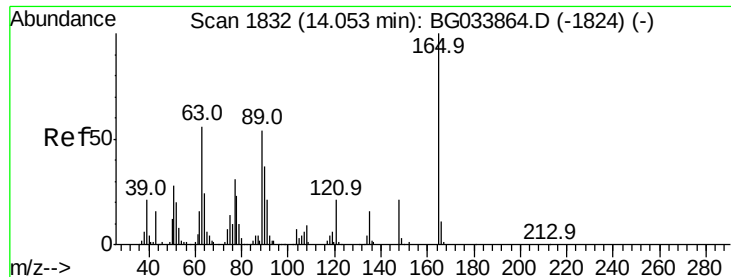
#44
 2-Fluorobiphenyl
 Concen: 107.113 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	24.9	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

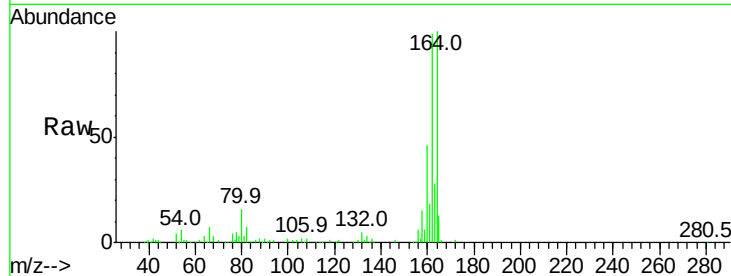




#50
 2,6-Dinitrotoluene
 Concen: 7.667 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. 0.34 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

Instrument :
 BNA_G
 ClientSampleId :

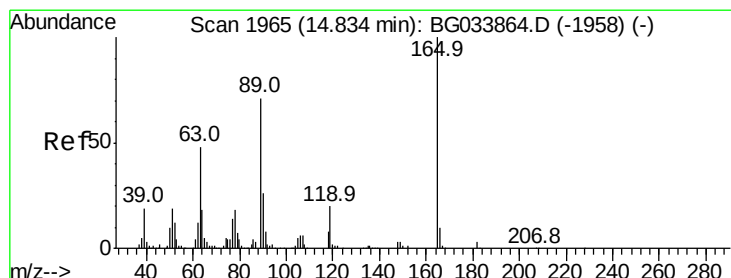
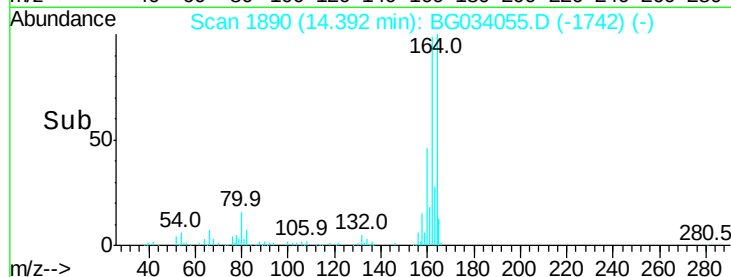
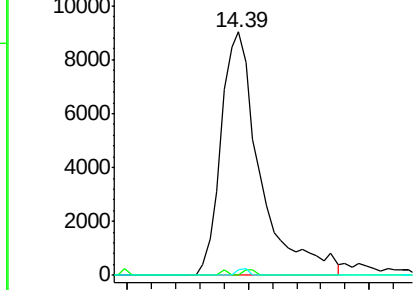
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.5	49.2	73.8#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.958 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. -0.44 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

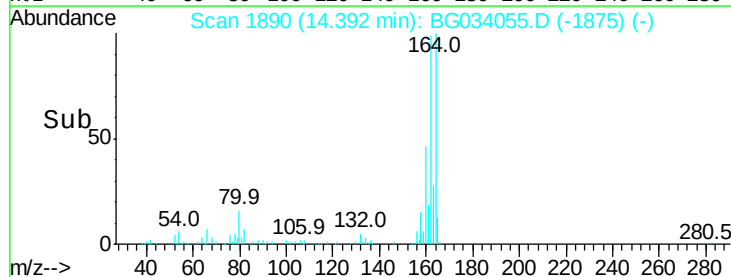
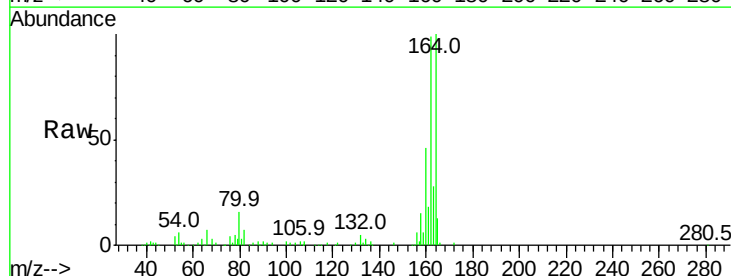
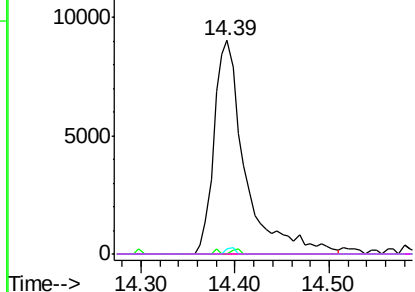
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#

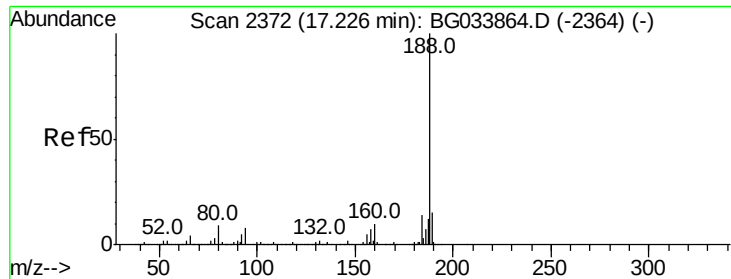
Abundance Ion 165.00 (164.70 to 165.70): E

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

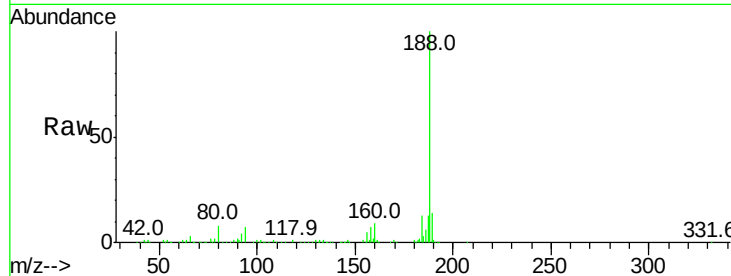




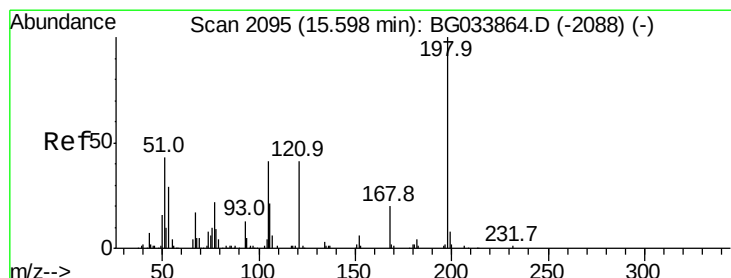
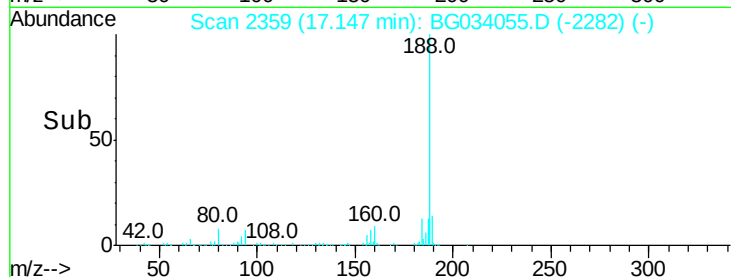
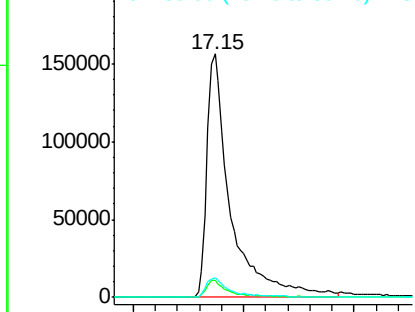
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.15 min Scan# 2359
 Delta R.T. -0.08 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 464802
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 7.9 7.7 11.5

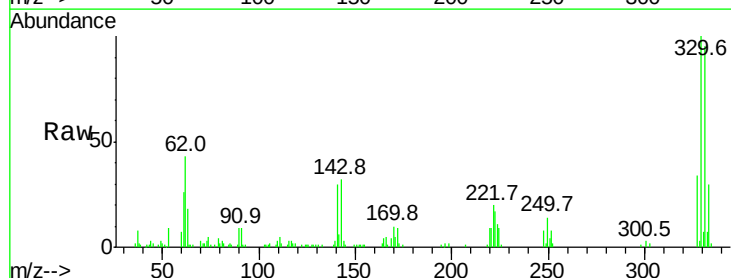


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

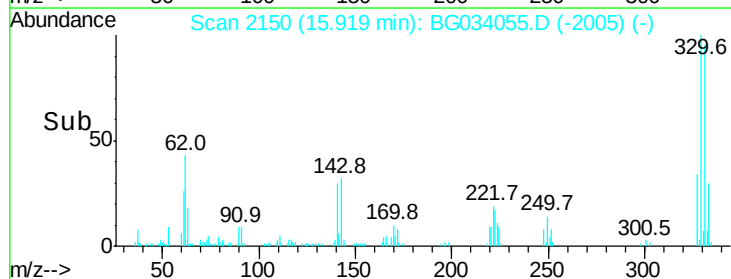
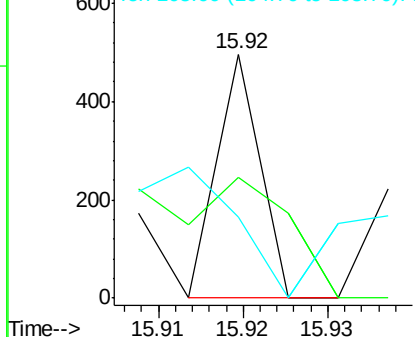


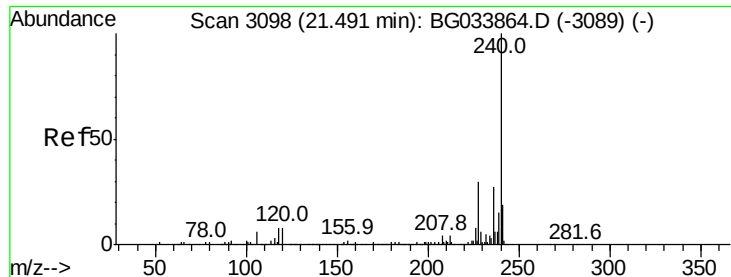
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.557 ng
 RT: 15.92 min Scan# 2150
 Delta R.T. 0.32 min
 Lab File: BG034055.D
 Acq: 28 Apr 2018 1:12

Tgt Ion:198 Resp: 175
 Ion Ratio Lower Upper
 198 100
 51 49.8 30.6 70.6
 105 33.5 23.8 63.8



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034055.D

Acq: 28 Apr 2018 1:12

Instrument :

BNA_G

ClientSampleId :

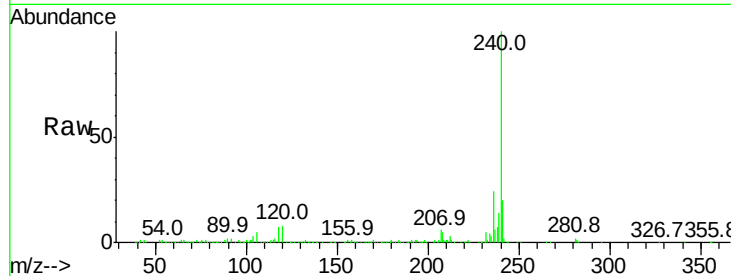
Tot Ion:240 Resp: 513277

Ion Ratio Lower Upper

240 100

120 8.3 6.8 10.2

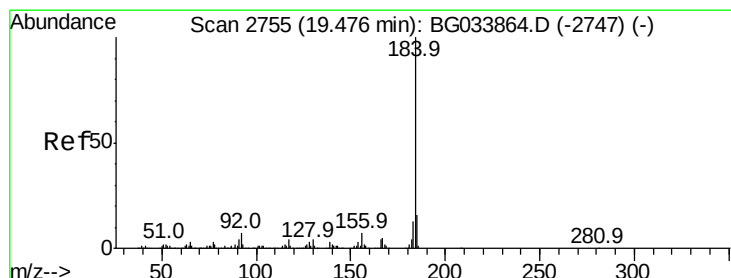
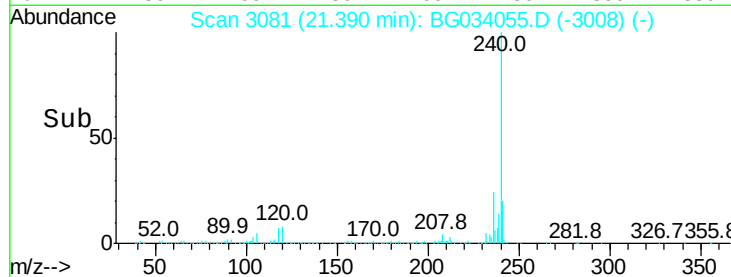
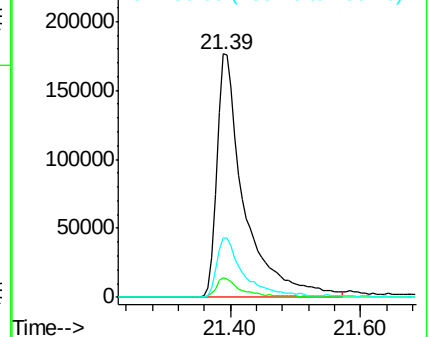
236 24.5 20.9 31.3



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: 2.619 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034055.D

Acq: 28 Apr 2018 1:12

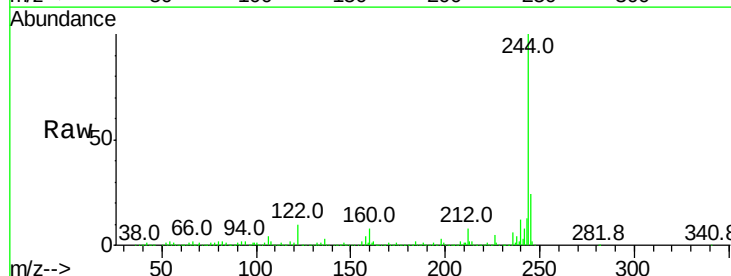
Tgt Ion:184 Resp: 36307

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

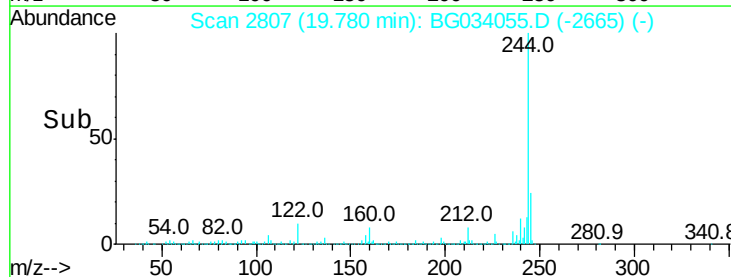
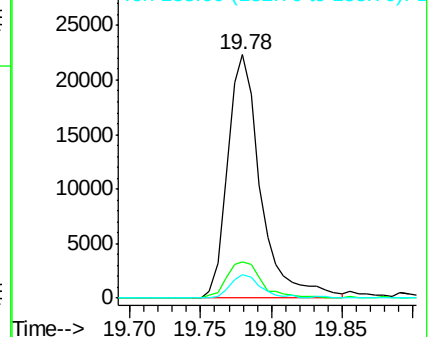
183 9.8 10.6 16.0#

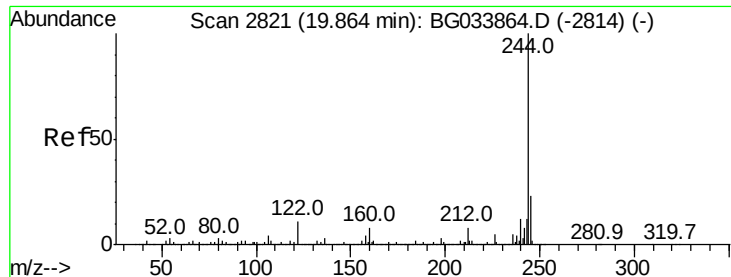


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 112.601 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034055.D

Acq: 28 Apr 2018 1:12

Instrument :

BNA_G

ClientSampleId :

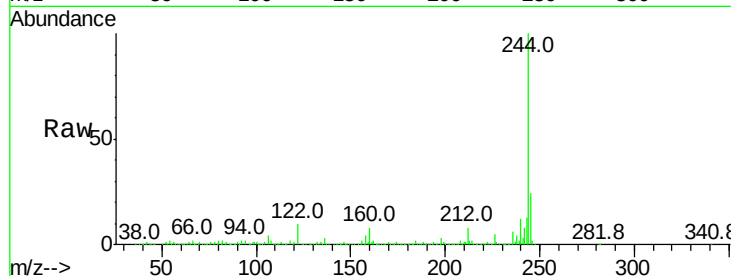
Tot Ion:244 Resp: 2572560

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	9.9	7.0	10.4

244 100

212 8.4 5.8 8.8

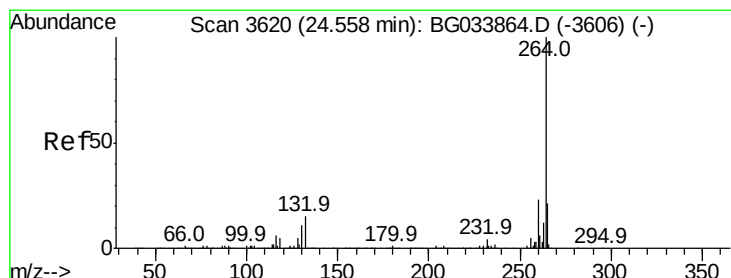
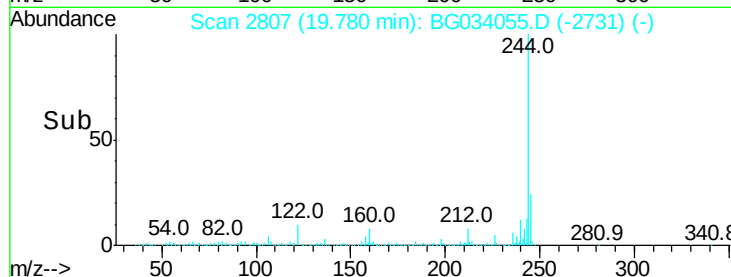
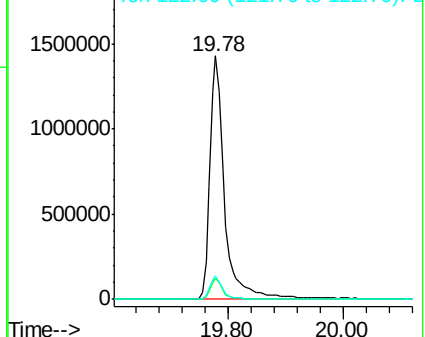
122 9.9 7.0 10.4



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: 24.39 min Scan# 3592

Delta R.T. -0.17 min

Lab File: BG034055.D

Acq: 28 Apr 2018 1:12

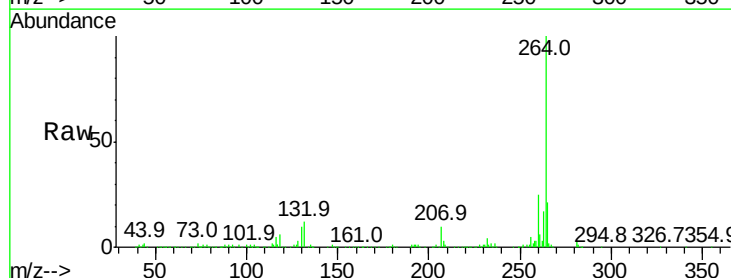
Tgt Ion:264 Resp: 457168

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	21.4	17.7	26.5

264 100

260 24.6 17.4 26.0

265 21.4 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

