

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034067.D
 Acq On : 28 Apr 2018 10:13
 Operator : SJ/JU
 Sample : J2572-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 02:28:51 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

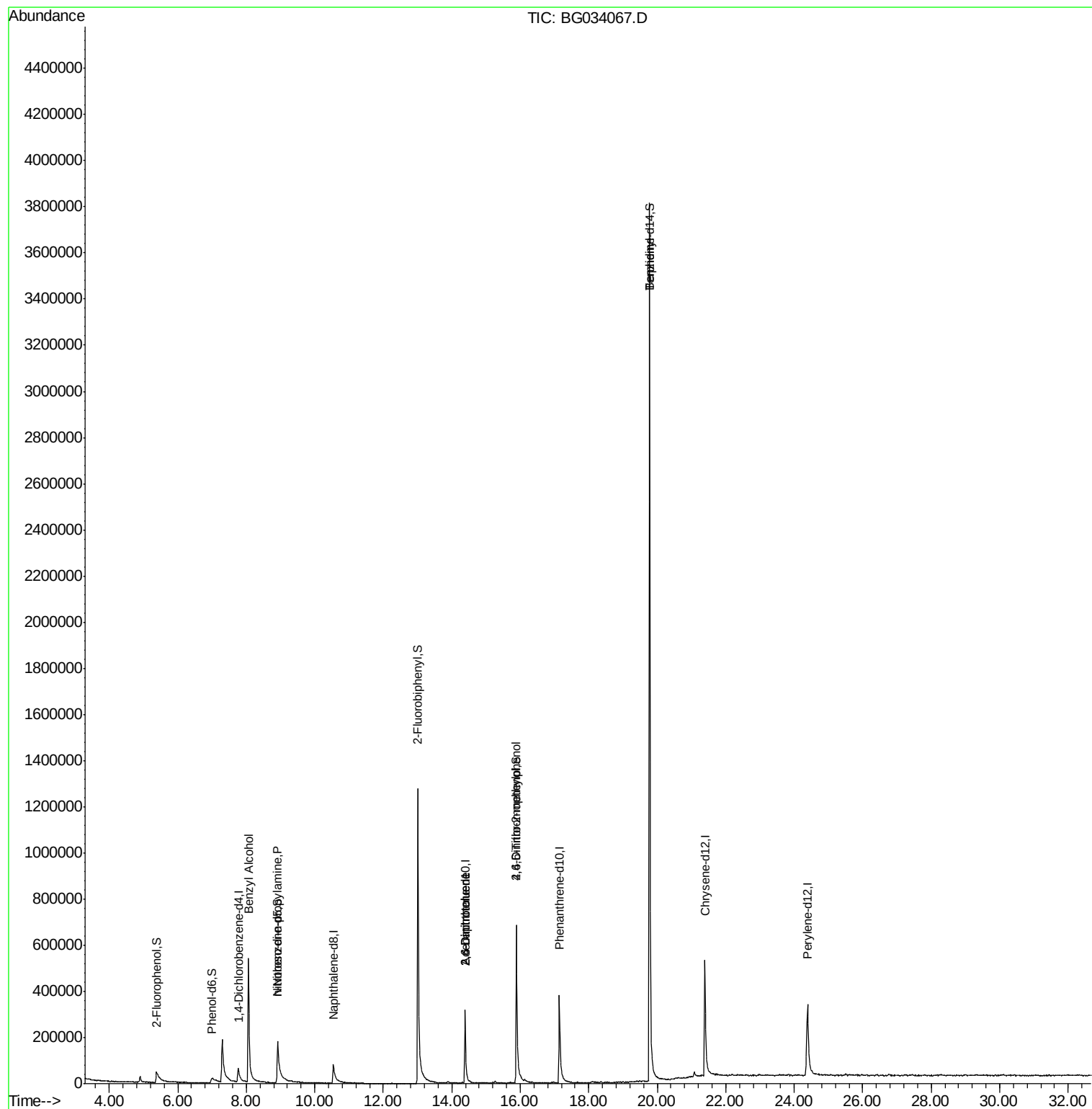
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	27535	20.00	ng	-0.07
21) Naphthalene-d8	10.54	136	177174	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	157101	20.00	ng	-0.08
63) Phenanthrene-d10	17.14	188	437476	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	515663	20.00	ng	-0.10
86) Perylene-d12	24.39	264	501769	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	60051	34.82	ng	-0.06
7) Phenol-d6	7.00	99	21753	8.65	ng	0.00
23) Nitrobenzene-d5	8.92	82	289981	93.14	ng	-0.07
41) 2,4,6-Tribromophenol	15.89	330	222571	121.44	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1149696	107.51	ng	-0.09
78) Terphenyl-d14	19.77	244	2380325	103.70	ng	-0.09
Target Compounds						
15) Benzyl Alcohol	8.07	79	5583	2.55	ng	# 48
19) n-Nitroso-di-n-propylamine	8.91	70	30329	14.14	ng	# 80
50) 2,6-Dinitrotoluene	14.39	165	19739	7.54	ng	# 21
56) 2,4-Dinitrotoluene	14.39	165	19739	5.67	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.89	198	92	6.53	ng	# 85
76) Benzidine	19.77	184	34430	2.47	ng	# 89

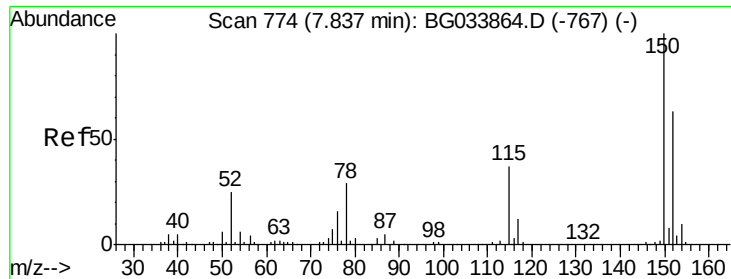
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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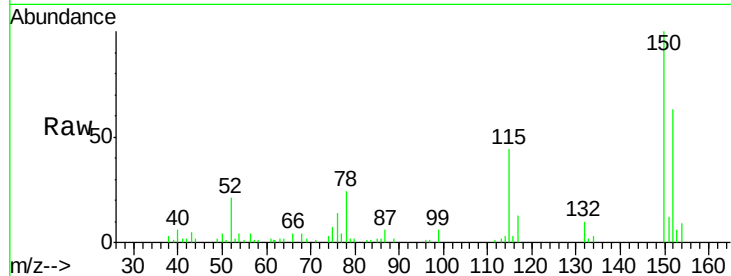


#1

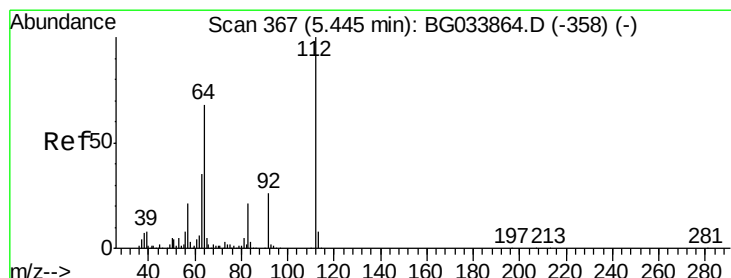
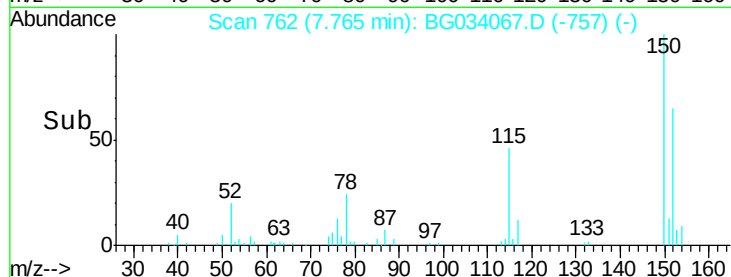
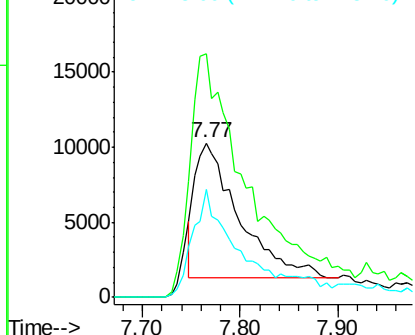
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 762
Delta R.T. -0.07 min
Lab File: BG034067.D
Acq: 28 Apr 2018 10:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27535
Ion Ratio Lower Upper
152 100
150 158.0 126.6 189.8
115 74.0 53.0 79.4



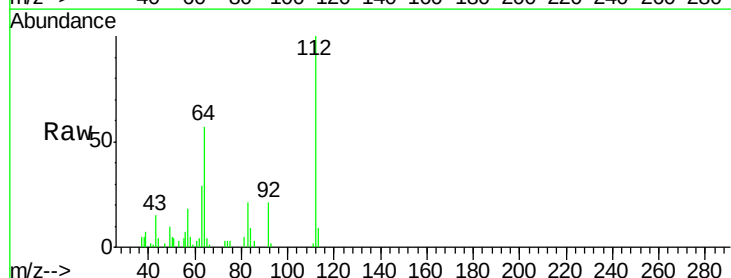
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



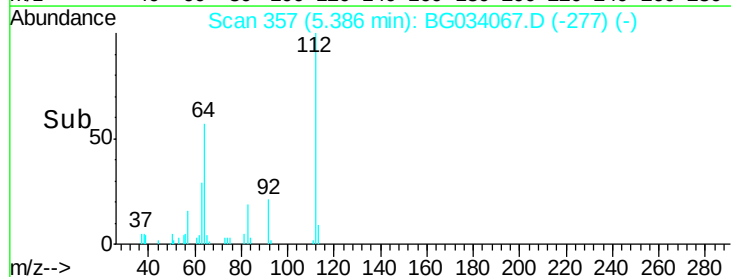
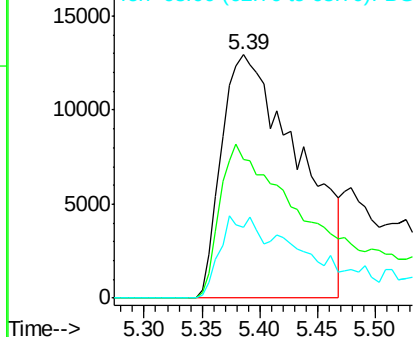
#5

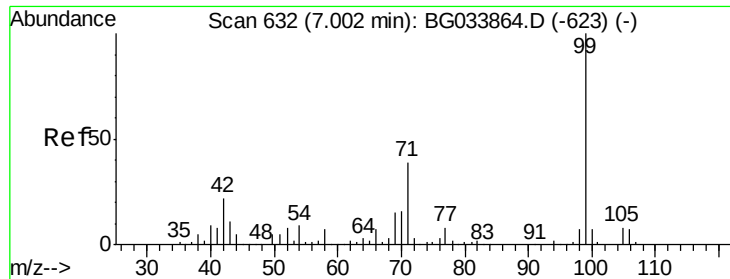
2-Fluorophenol
Concen: 34.82 ng
RT: 5.39 min Scan# 357
Delta R.T. -0.06 min
Lab File: BG034067.D
Acq: 28 Apr 2018 10:13

Tgt Ion:112 Resp: 60051
Ion Ratio Lower Upper
112 100
64 57.2 56.3 84.5
63 29.3 30.1 45.1#



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





#7

Phenol-d6

Concen: 8.65 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG034067.D

Acq: 28 Apr 2018 10:13

Instrument :

BNA_G

ClientSampleId :

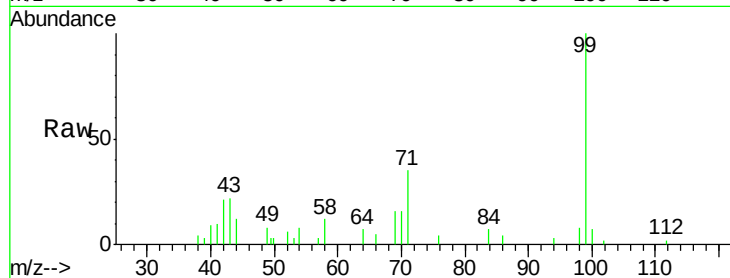
Tot Ion: 99 Resp: 21753

Ion Ratio Lower Upper

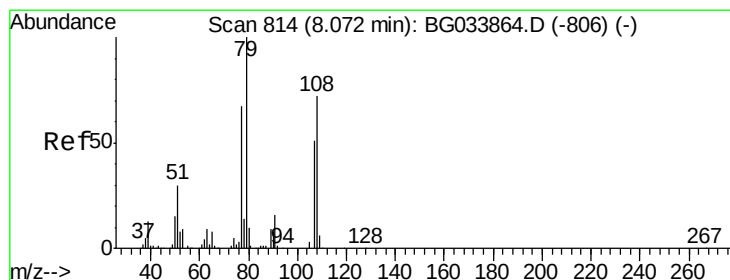
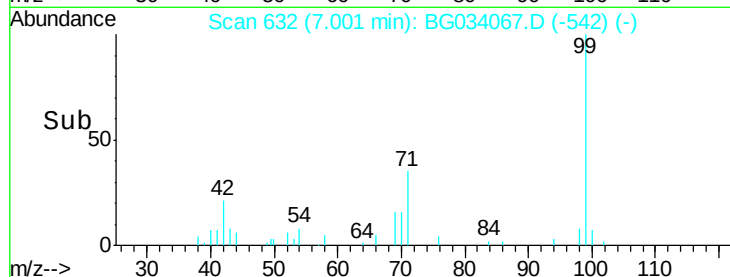
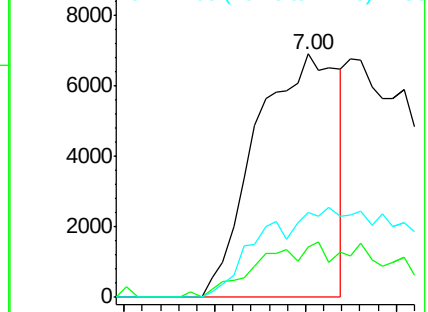
99 100

42 20.8 14.1 21.1

71 35.0 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: 2.55 ng

RT: 8.07 min Scan# 814

Delta R.T. -0.00 min

Lab File: BG034067.D

Acq: 28 Apr 2018 10:13

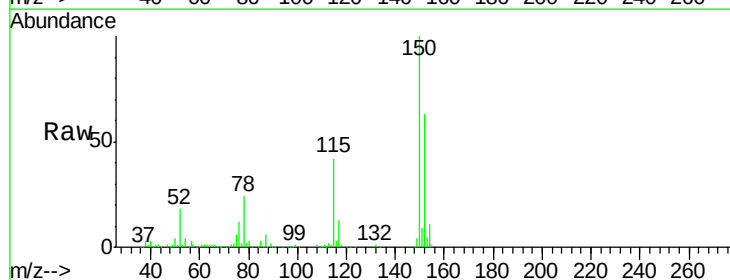
Tgt Ion: 79 Resp: 5583

Ion Ratio Lower Upper

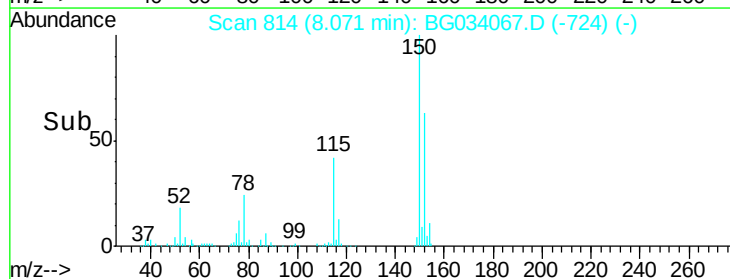
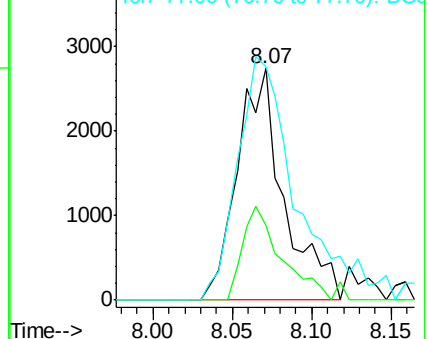
79 100

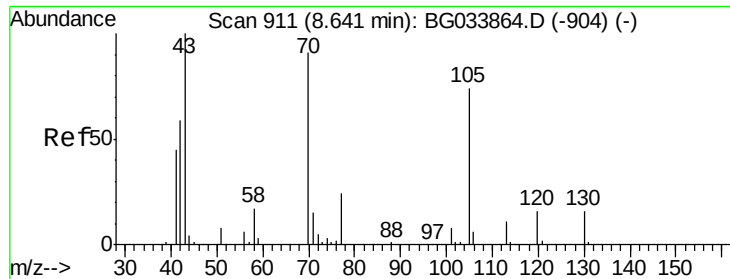
108 32.4 57.2 85.8#

77 100.7 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

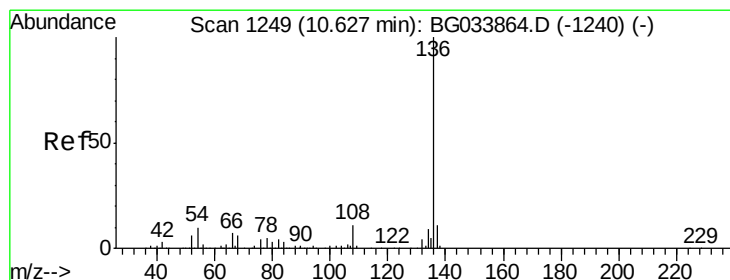
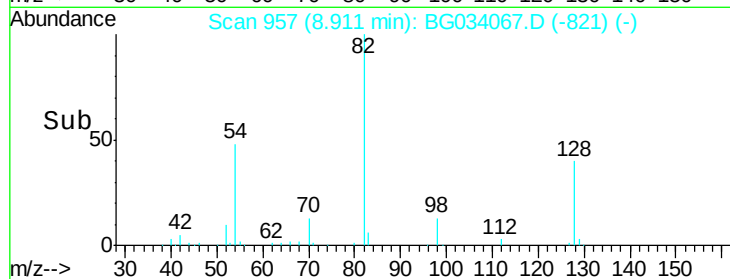
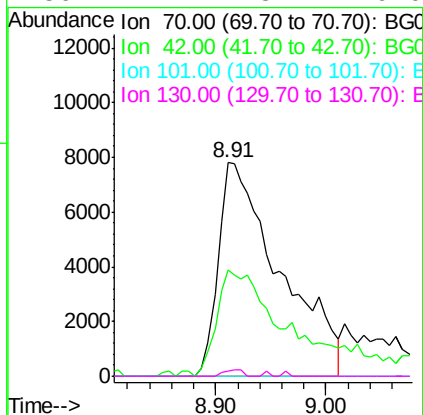
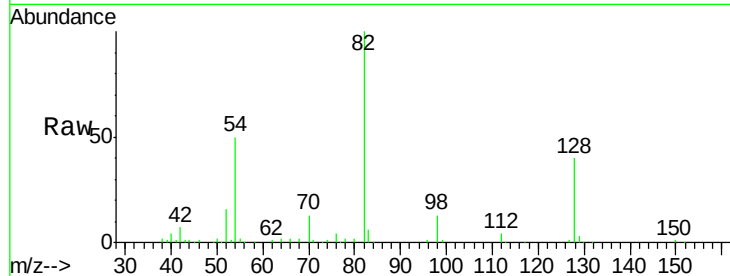




#19
n-Nitroso-di-n-propylamine
Concen: 14.14 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034067.D
Acq: 28 Apr 2018 10:13

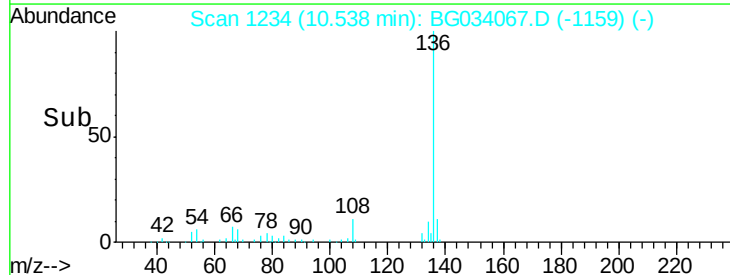
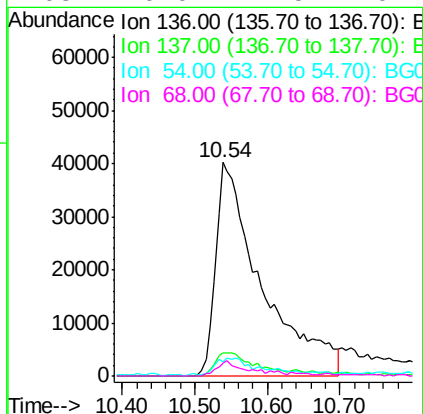
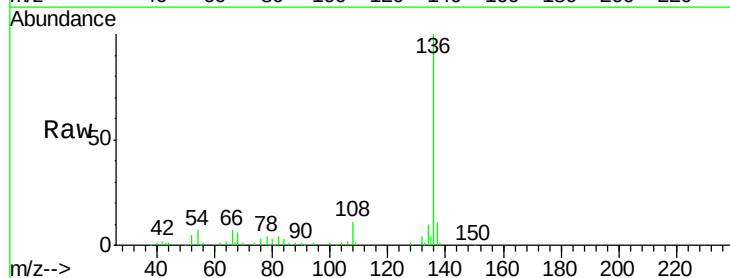
Instrument :
BNA_G
ClientSampleId :

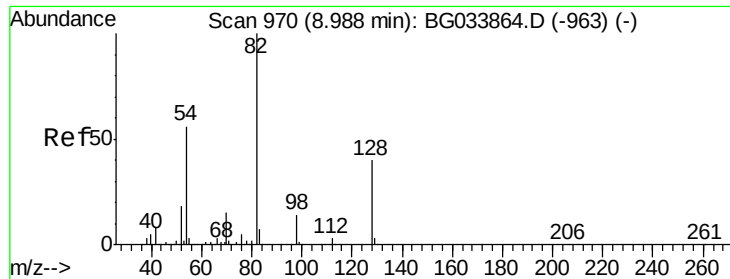
Tot Ion: 70 Resp: 30329
Ion Ratio Lower Upper
70 100
42 49.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034067.D
Acq: 28 Apr 2018 10:13

Tgt Ion: 136 Resp: 177174
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 6.9 10.3 15.5#
68 6.0 4.5 6.7

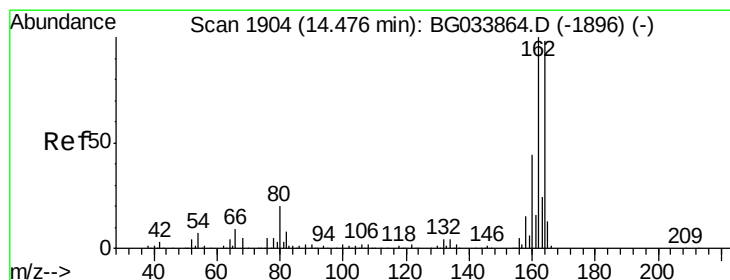
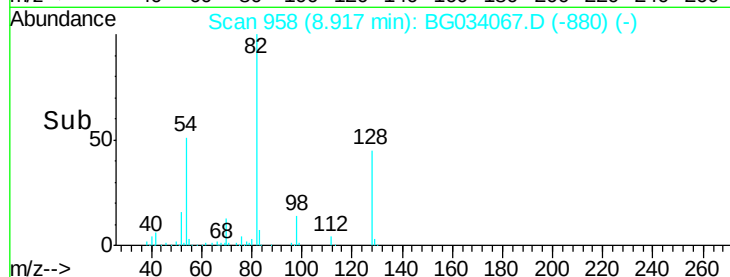
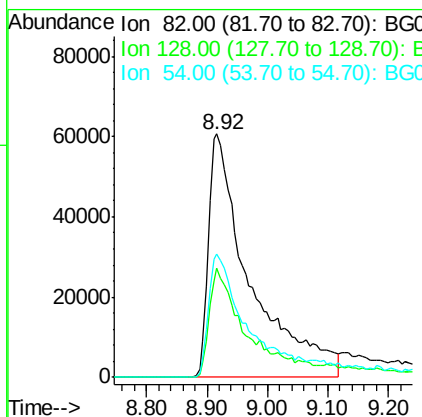
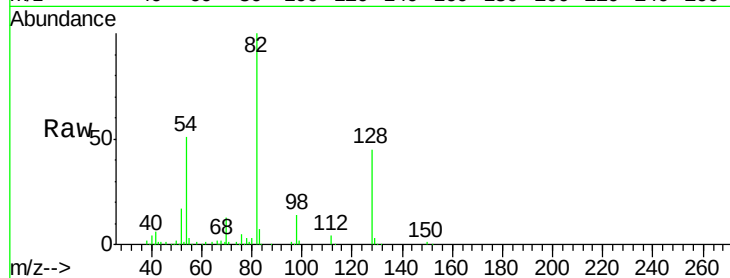




#23
 Nitrobenzene-d5
 Concen: 93.14 ng
 RT: 8.92 min Scan# 958
 Delta R.T. -0.07 min
 Lab File: BG034067.D
 Acq: 28 Apr 2018 10:13

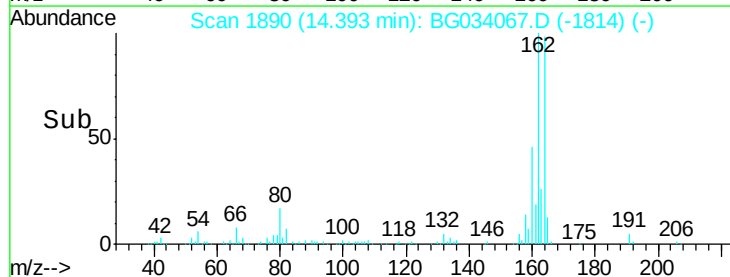
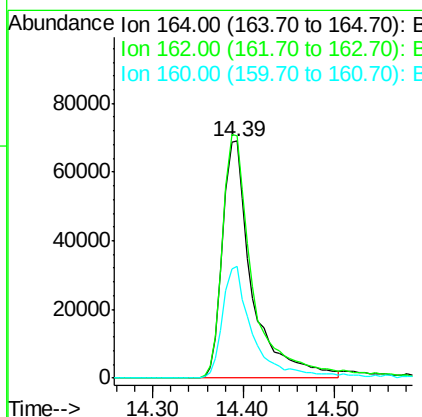
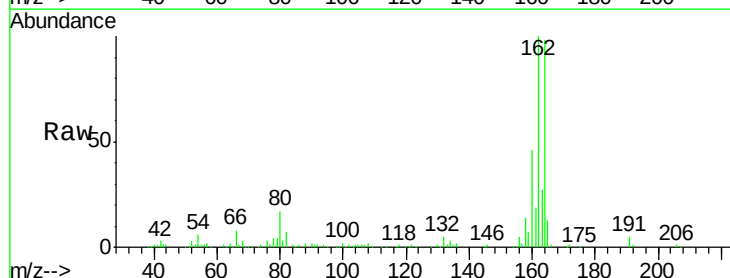
Instrument :
 BNA_G
 ClientSampleId :

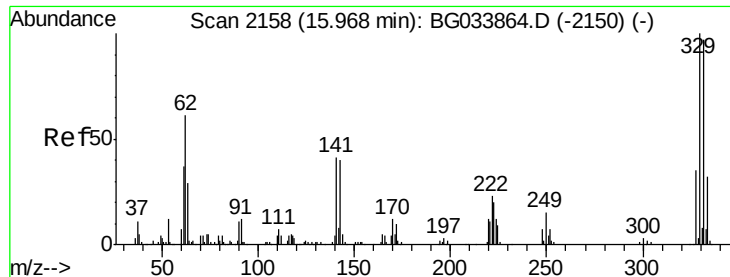
Tot Ion	82	Resp	289981
Ion Ratio	Lower	Upper	
82	100		
128	44.8	29.7	44.5#
54	50.9	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. -0.08 min
 Lab File: BG034067.D
 Acq: 28 Apr 2018 10:13

Tgt Ion	164	Resp	157101
Ion Ratio	Lower	Upper	
164	100		
162	102.2	78.8	118.2
160	47.3	35.4	53.0

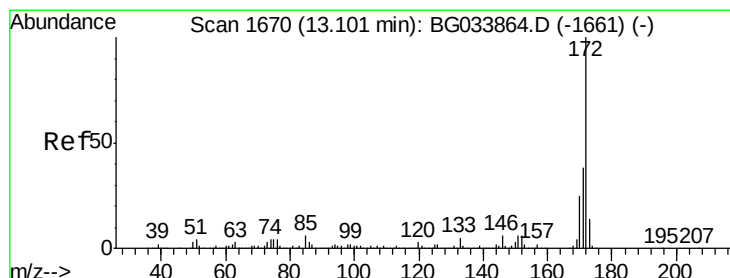
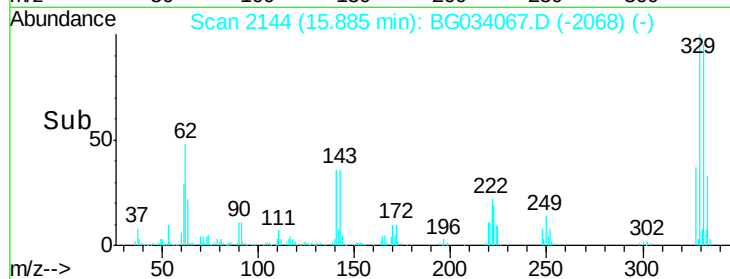
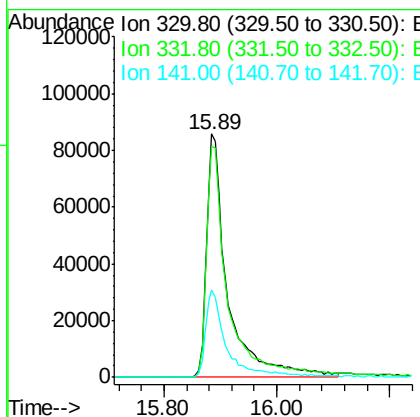
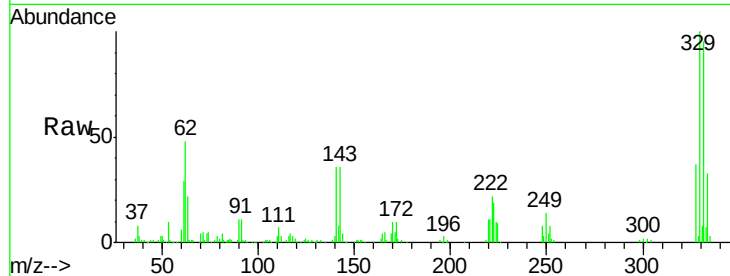




#41
 2,4,6-Tribromophenol
 Concen: 121.44 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034067.D
 Acq: 28 Apr 2018 10:13

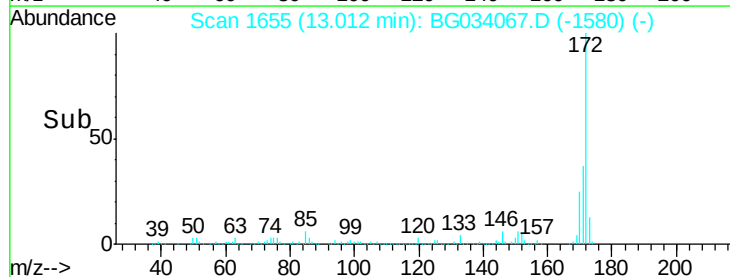
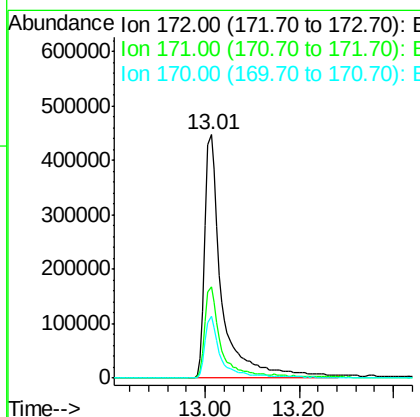
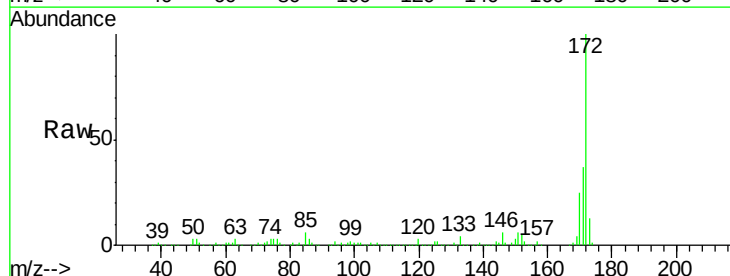
Instrument :
 BNA_G
 ClientSampled :

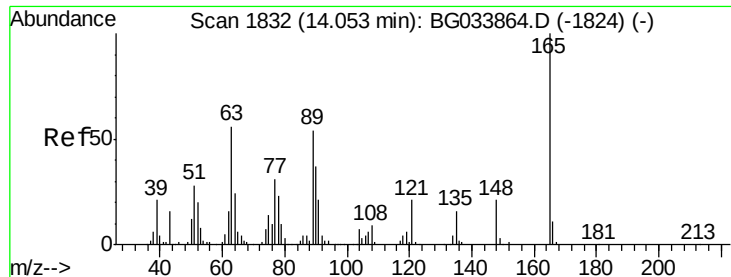
Tot Ion:330 Resp: 222571
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 33.3 25.2 37.8



#44
 2-Fluorobiphenyl
 Concen: 107.51 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034067.D
 Acq: 28 Apr 2018 10:13

Tgt Ion:172 Resp: 1149696
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 25.4 19.5 29.3

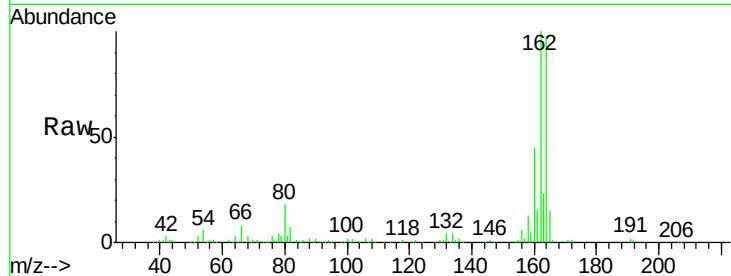




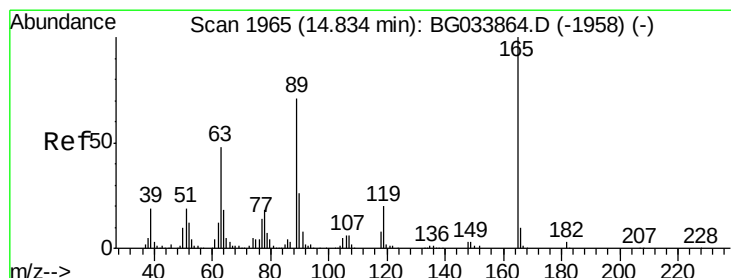
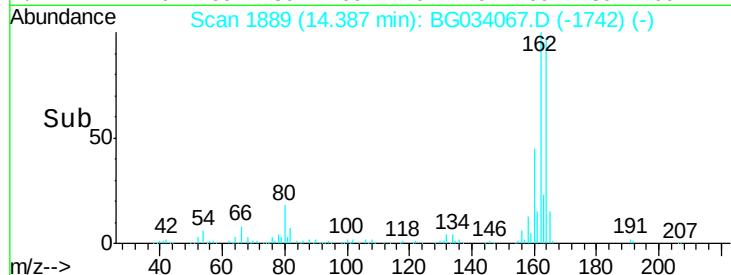
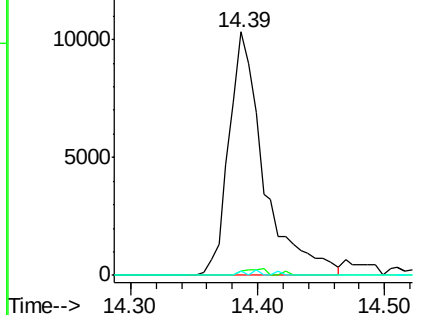
#50
 2,6-Dinitrotoluene
 Concen: 7.54 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. 0.33 min
 Lab File: BG034067.D
 Acq: 28 Apr 2018 10:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 19739
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 1.7 49.2 73.8#

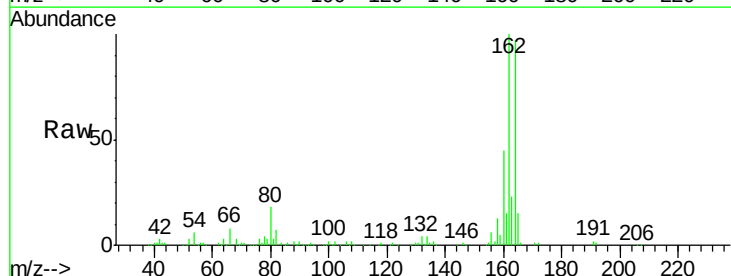


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

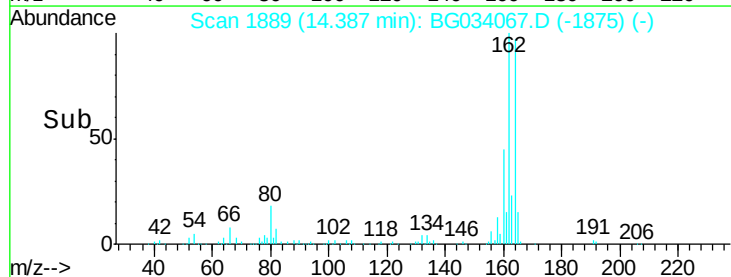
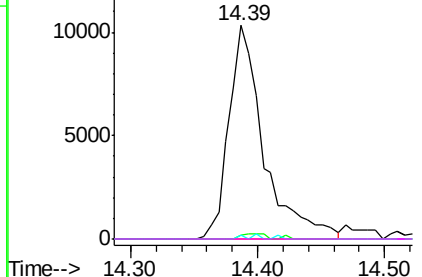


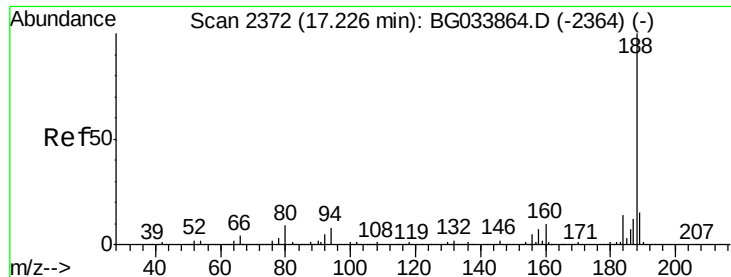
#56
 2,4-Dinitrotoluene
 Concen: 5.67 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.45 min
 Lab File: BG034067.D
 Acq: 28 Apr 2018 10:13

Tgt Ion:165 Resp: 19739
 Ion Ratio Lower Upper
 165 100
 63 1.9 42.0 63.0#
 89 1.7 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

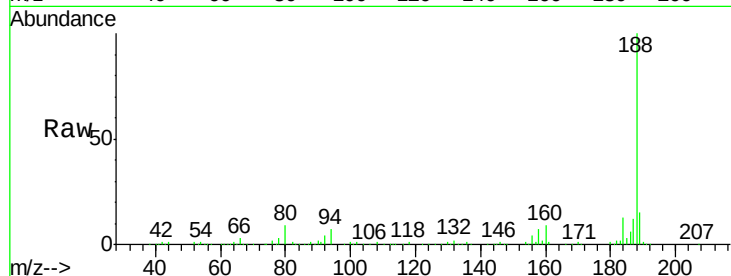




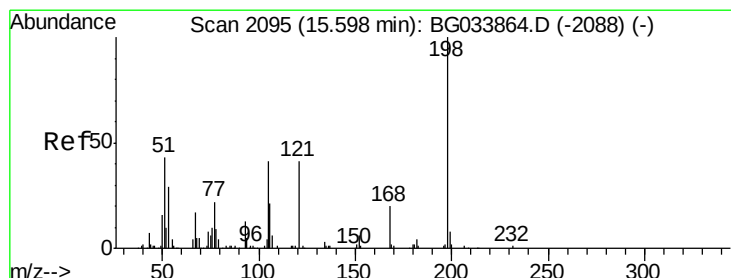
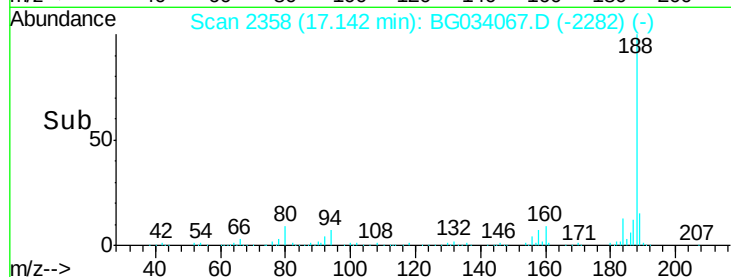
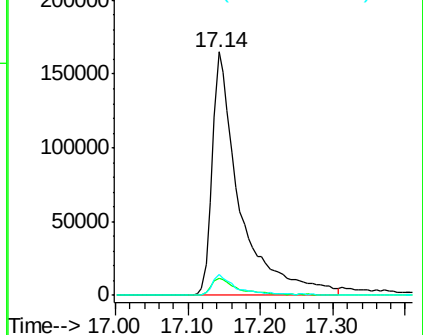
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.14 min Scan# 2358
Delta R.T. -0.08 min
Lab File: BG034067.D
Acq: 28 Apr 2018 10:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 437476
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 8.6 7.7 11.5

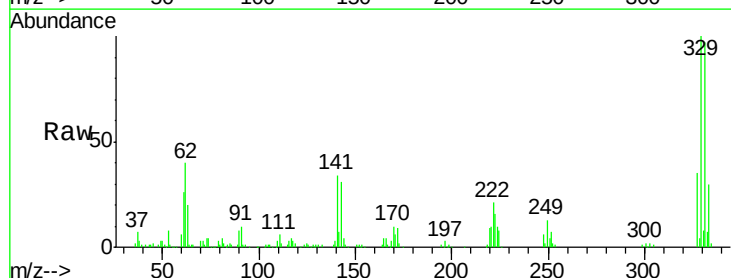


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

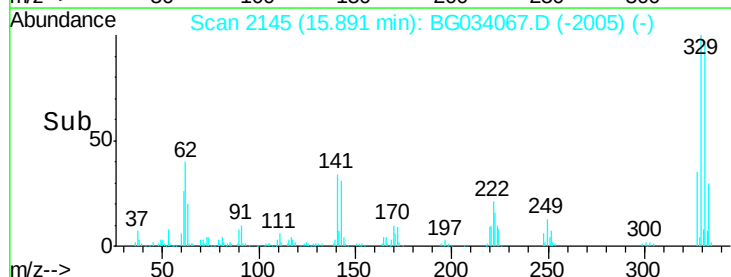
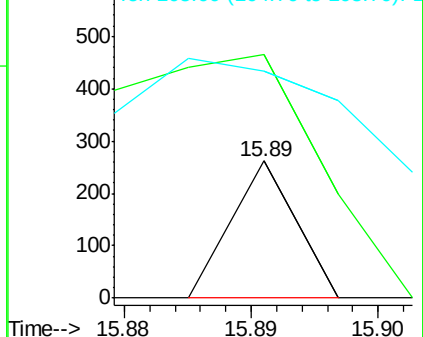


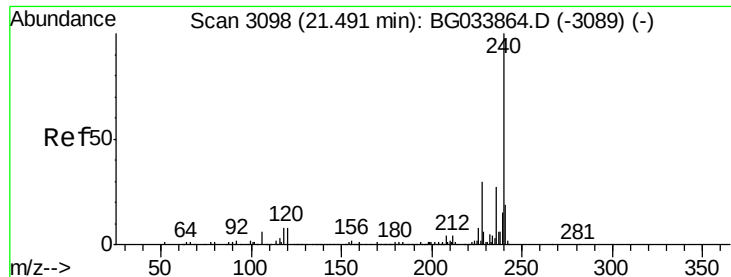
#64
4,6-Dinitro-2-methylphenol
Concen: 6.53 ng
RT: 15.89 min Scan# 2145
Delta R.T. 0.29 min
Lab File: BG034067.D
Acq: 28 Apr 2018 10:13

Tgt Ion:198 Resp: 92
Ion Ratio Lower Upper
198 100
51 38.5 30.6 70.6
105 35.8 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: 20.00 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034067.D

Acq: 28 Apr 2018 10:13

Instrument :

BNA_G

ClientSampleId :

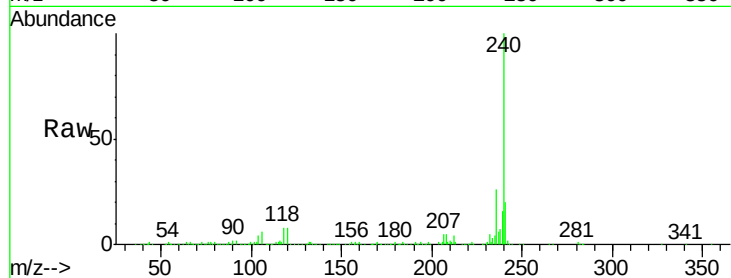
Tot Ion:240 Resp: 515663

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

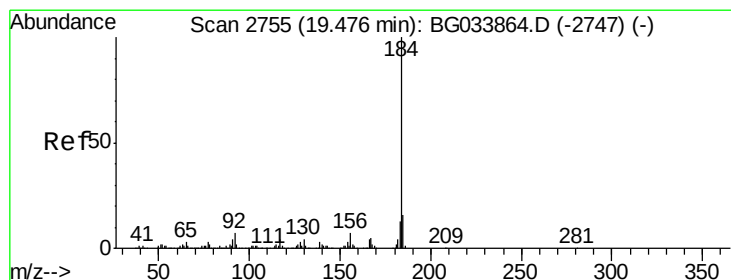
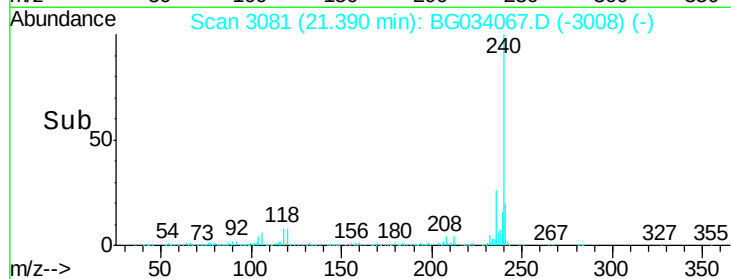
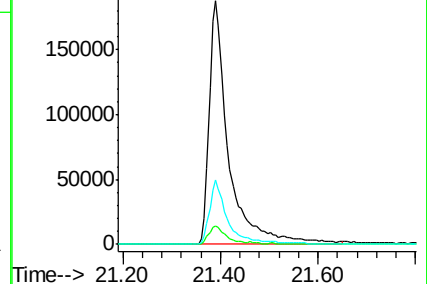
236 26.2 20.9 31.3



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: 2.47 ng

RT: 19.77 min Scan# 2806

Delta R.T. 0.30 min

Lab File: BG034067.D

Acq: 28 Apr 2018 10:13

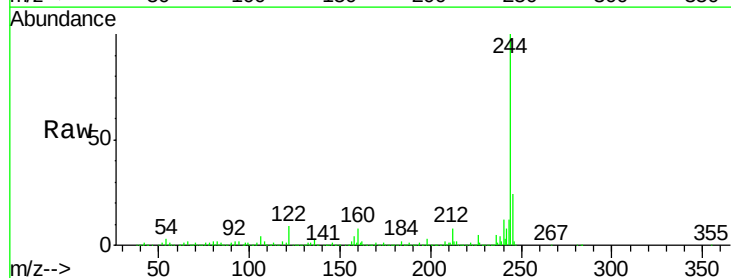
Tgt Ion:184 Resp: 34430

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

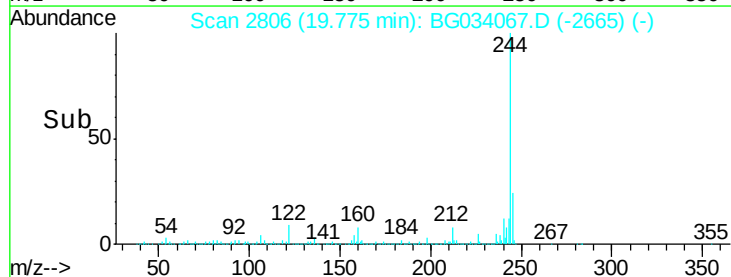
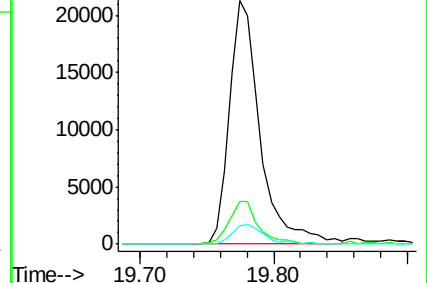
183 7.7 10.6 16.0#

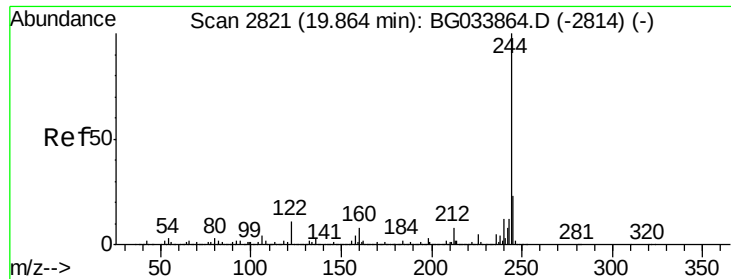


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.70 ng

RT: 19.77 min Scan# 2806

Delta R.T. -0.09 min

Lab File: BG034067.D

Acq: 28 Apr 2018 10:13

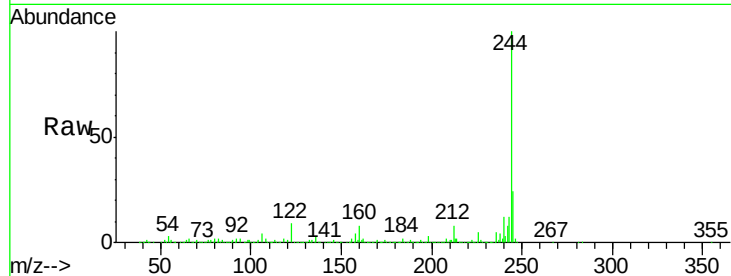
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2380325

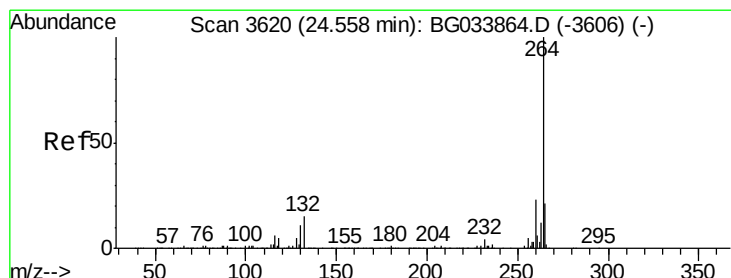
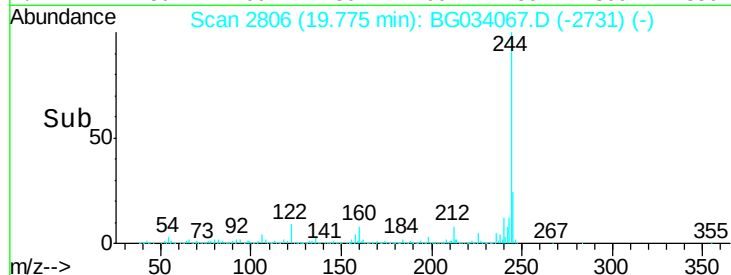
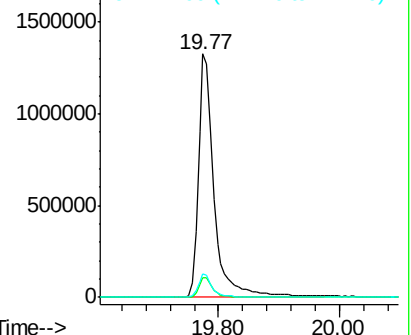
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	9.4	7.0	10.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.39 min Scan# 3591

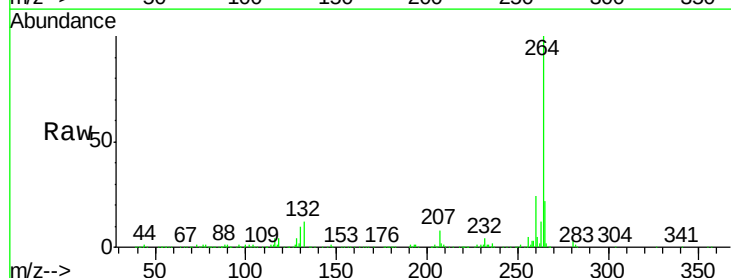
Delta R.T. -0.17 min

Lab File: BG034067.D

Acq: 28 Apr 2018 10:13

Tgt Ion:264 Resp: 501769

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	22.3	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

