

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032735.D
 Acq On : 16 Feb 2018 5:34
 Operator : SJ/JU
 Sample : J1402-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 07:08:43 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

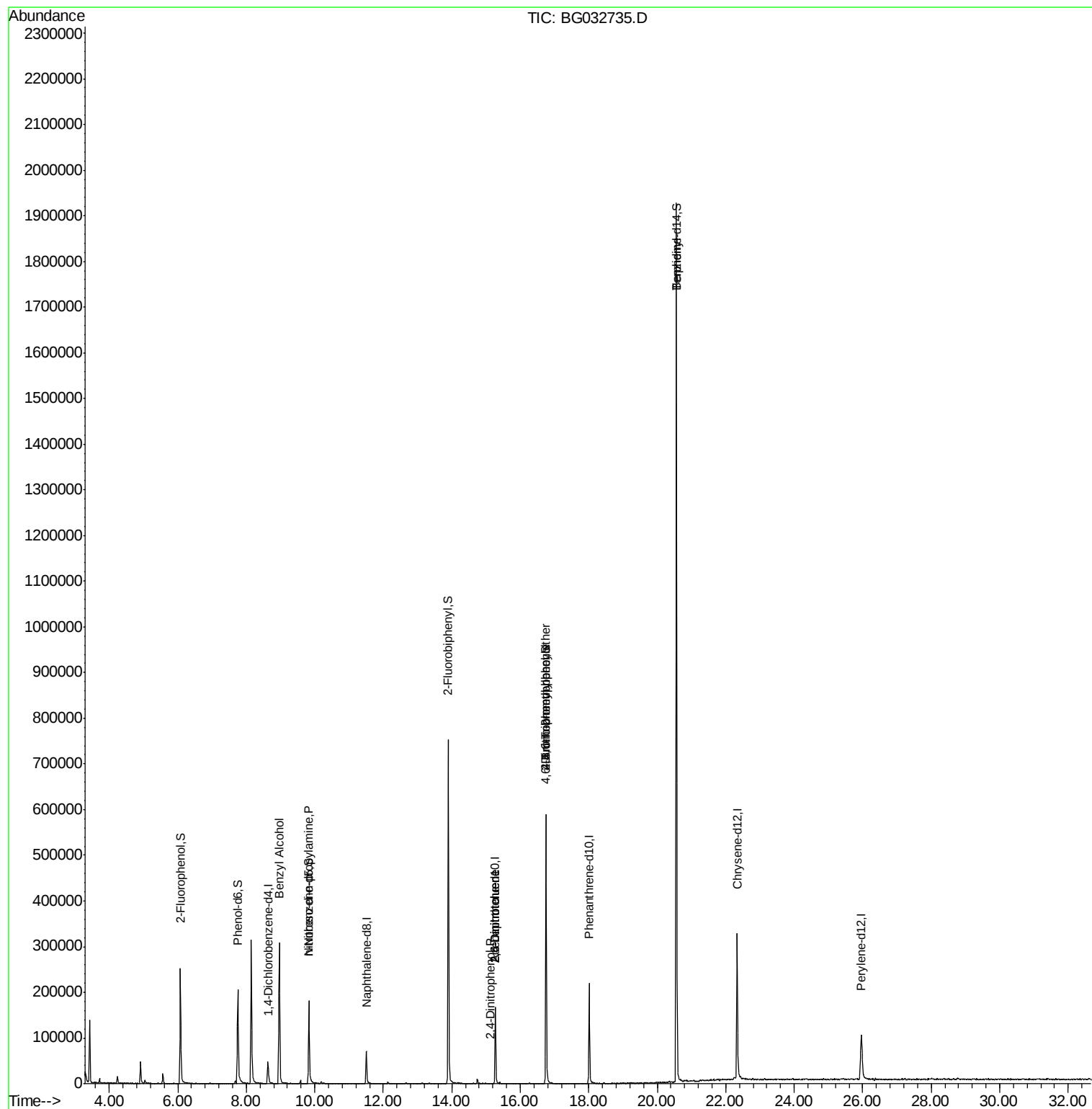
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	20586	20.00	ng	-0.05
21) Naphthalene-d8	11.51	136	79343	20.00	ng	-0.04
38) Acenaphthene-d10	15.27	164	63470	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	175606	20.00	ng	-0.04
75) Chrysene-d12	22.33	240	253968	20.00	ng	-0.04
86) Perylene-d12	25.96	264	120966	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.08	112	136660	133.19	ng	-0.03
7) Phenol-d6	7.75	99	138144	98.46	ng	-0.04
23) Nitrobenzene-d5	9.83	82	126539	101.36	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	153830	157.40	ng	-0.04
44) 2-Fluorobiphenyl	13.90	172	453818	89.41	ng	-0.04
78) Terphenyl-d14	20.56	244	1080636	96.98	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.96	79	2579	2.45	ng	# 64
19) n-Nitroso-di-n-propylamine	9.83	70	19150	20.30	ng	# 71
50) 2,6-Dinitrotoluene	15.27	165	8710	7.71	ng	# 21
53) 2,4-Dinitrophenol	15.13	184	56	11.54	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	8710	5.59	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.74	198	233	5.19	ng	# 33
66) 4-Bromophenyl-phenylether	16.75	248	11997	4.77	ng	# 1
76) Benzidine	20.56	184	15098	2.52	ng	# 89

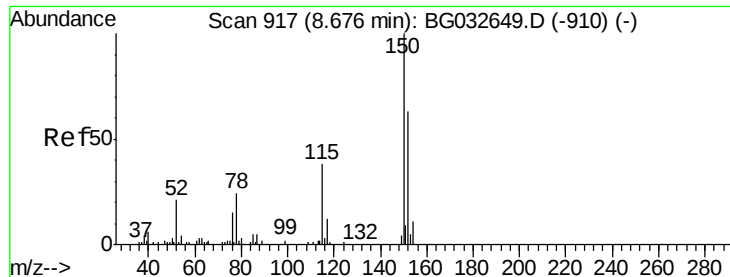
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 16 07:08:43 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration



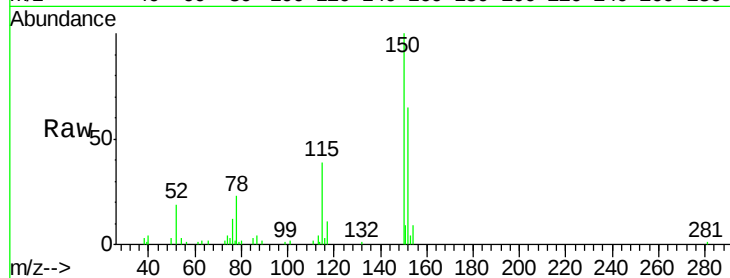


#1

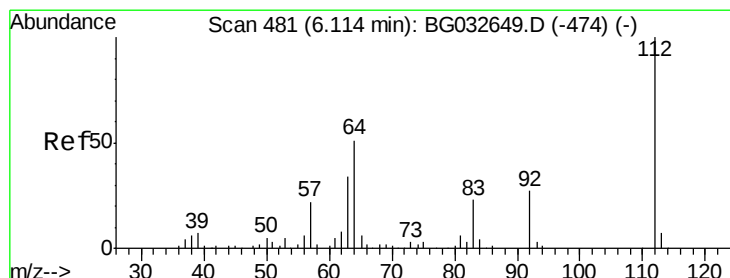
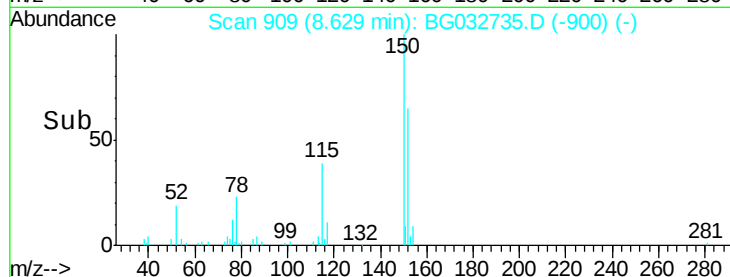
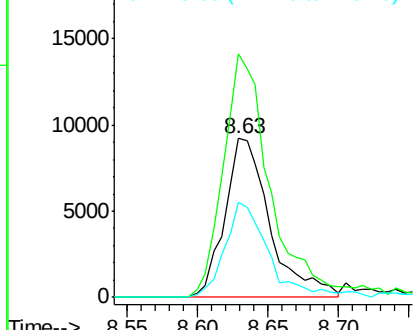
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.63 min Scan# 909
Delta R.T. -0.05 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 20586
Ion Ratio Lower Upper
152 100
150 153.3 126.6 189.8
115 59.5 53.0 79.4



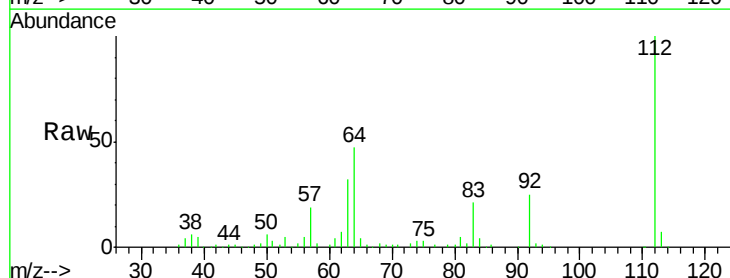
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



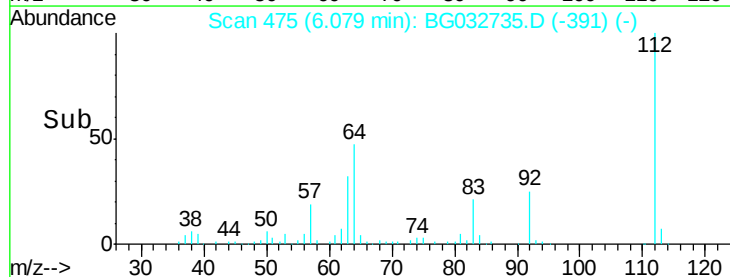
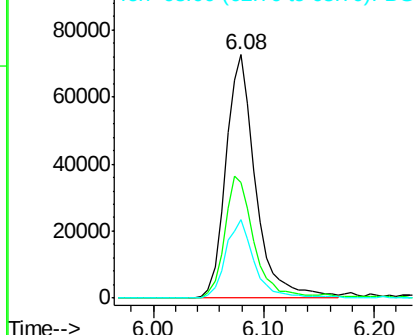
#5

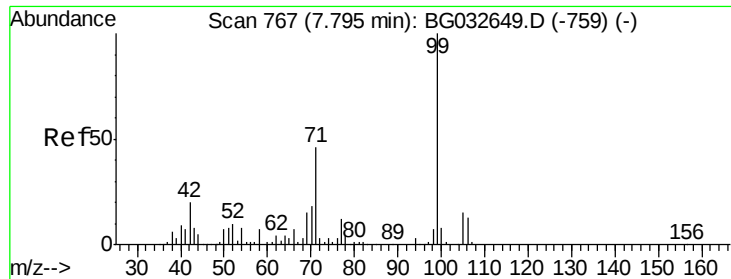
2-Fluorophenol
Concen: 133.19 ng
RT: 6.08 min Scan# 475
Delta R.T. -0.03 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Tgt Ion:112 Resp: 136660
Ion Ratio Lower Upper
112 100
64 47.3 56.3 84.5#
63 32.4 30.1 45.1



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





#7

Phenol-d6

Concen: 98.46 ng

RT: 7.75 min Scan# 760

Delta R.T. -0.04 min

Lab File: BG032735.D

Acq: 16 Feb 2018 5:34

Instrument :

BNA_F

ClientSampleId :

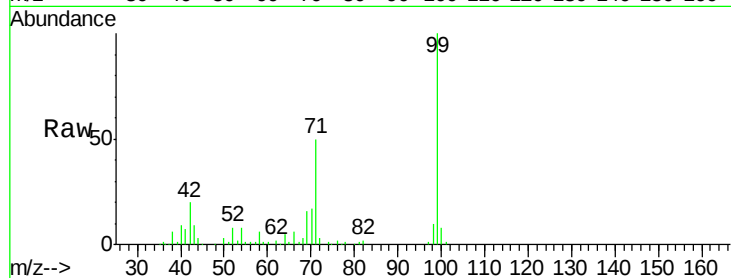
Tot Ion: 99 Resp: 138144

Ion Ratio Lower Upper

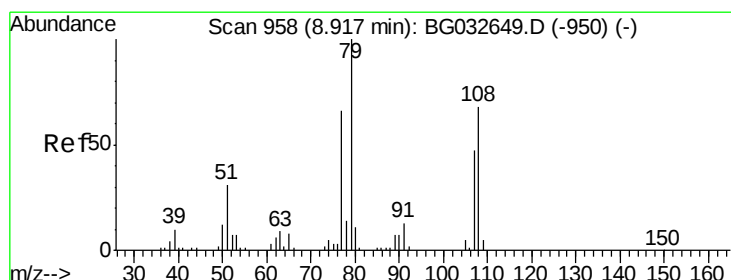
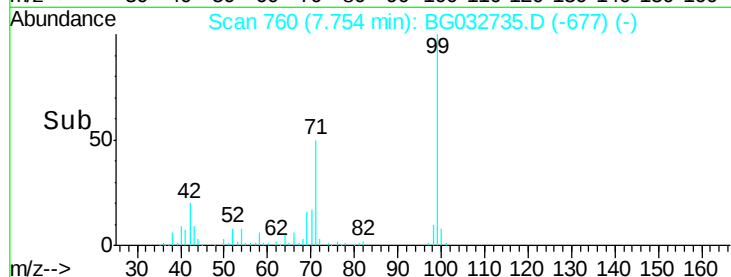
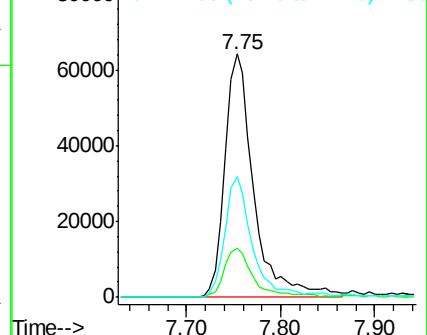
99 100

42 20.1 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: 2.45 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.04 min

Lab File: BG032735.D

Acq: 16 Feb 2018 5:34

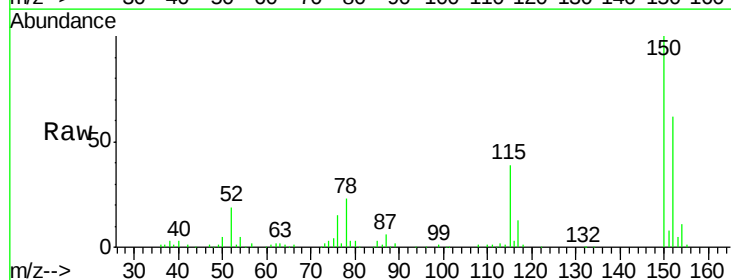
Tgt Ion: 79 Resp: 2579

Ion Ratio Lower Upper

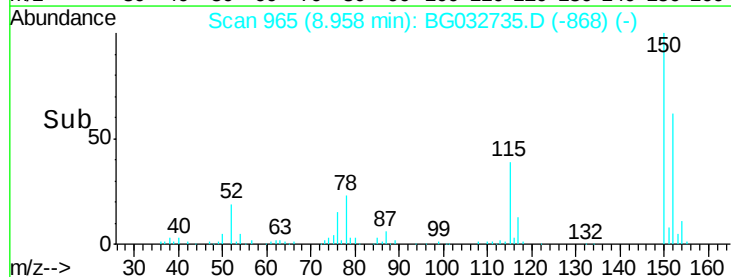
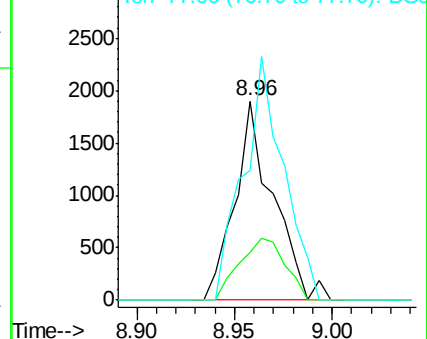
79 100

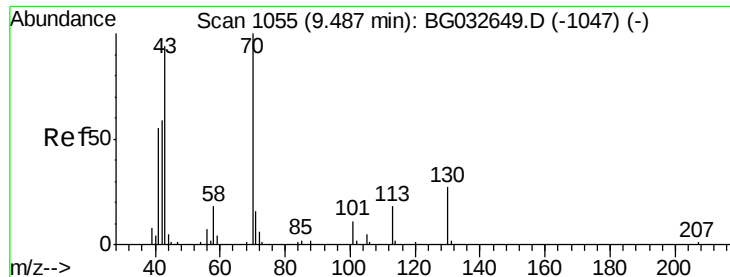
108 23.9 57.2 85.8#

77 65.2 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

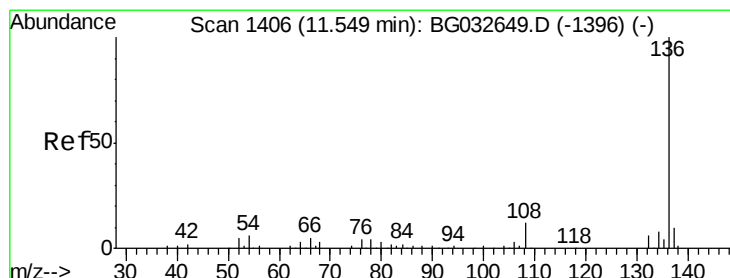
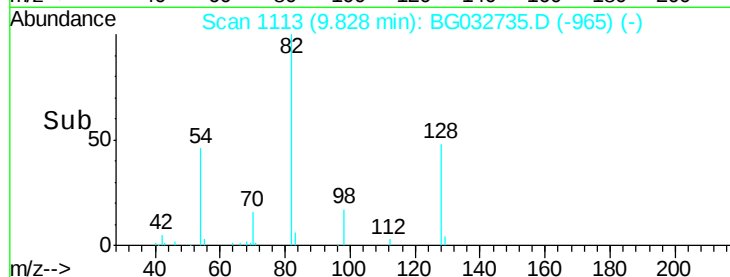
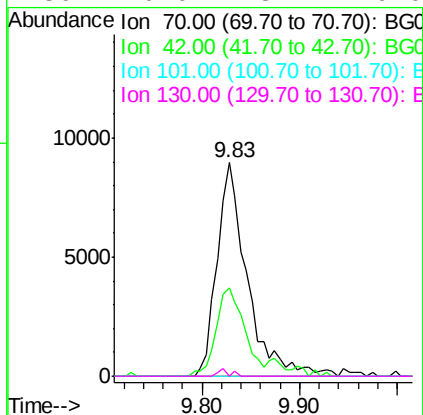
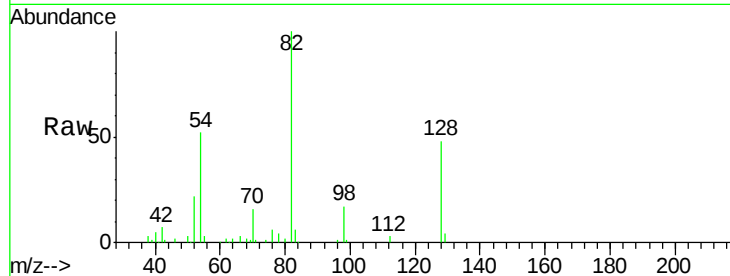




#19
n-Nitroso-di-n-propylamine
Concen: 20.30 ng
RT: 9.83 min Scan# 1113
Delta R.T. 0.34 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

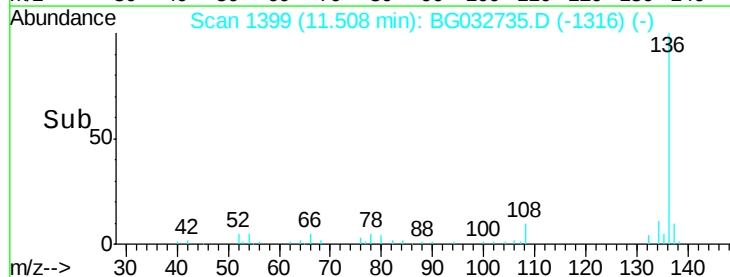
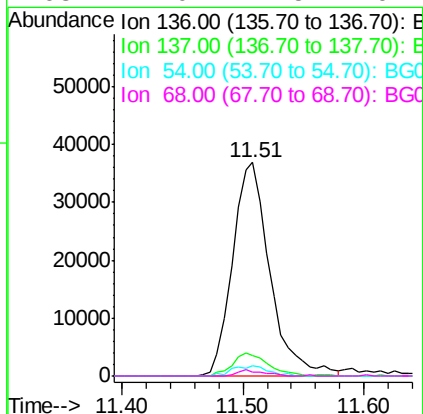
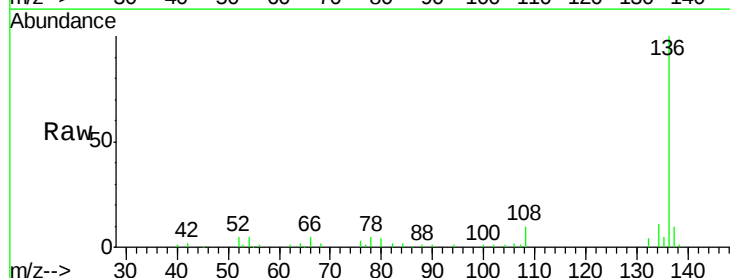
Instrument :
BNA_F
ClientSampleId :

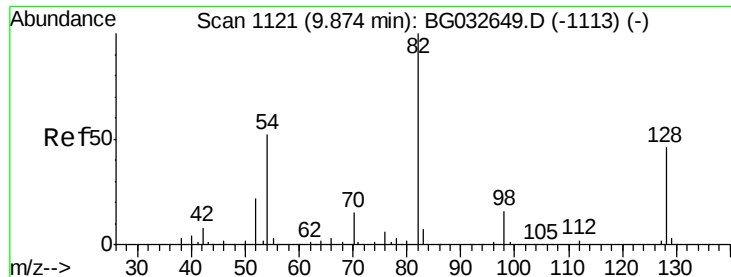
Tot Ion: 70 Resp: 19150
Ion Ratio Lower Upper
70 100
42 41.6 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.51 min Scan# 1399
Delta R.T. -0.04 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Tgt Ion: 136 Resp: 79343
Ion Ratio Lower Upper
136 100
137 9.7 9.2 13.8
54 5.0 10.3 15.5#
68 2.0 4.5 6.7#

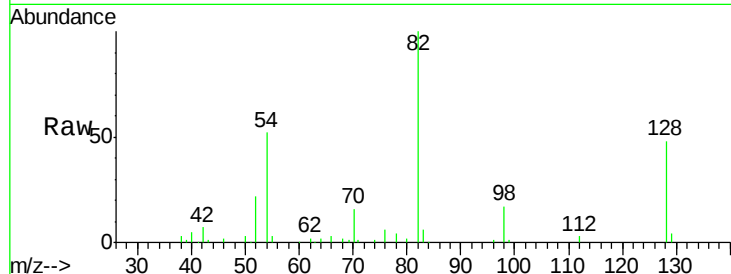




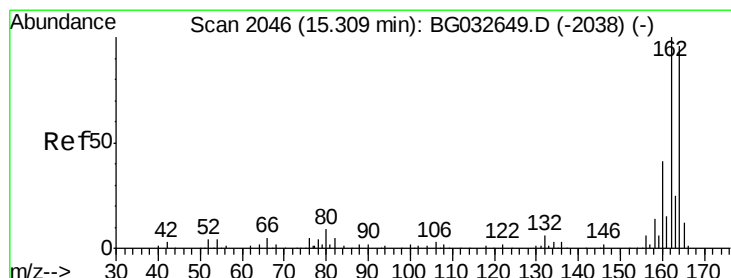
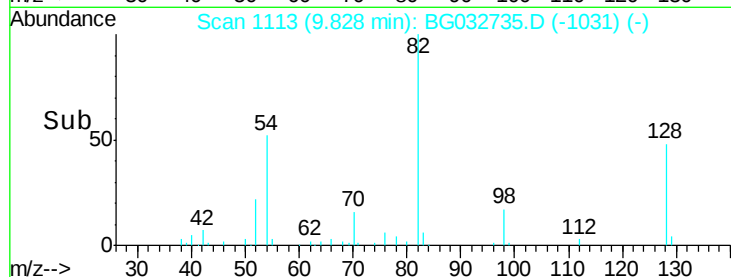
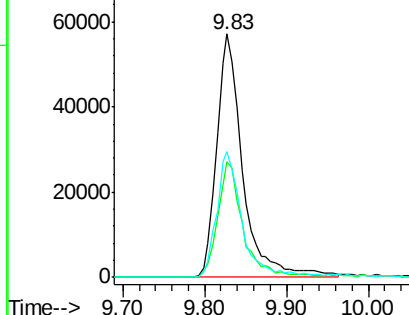
#23
Nitrobenzene-d5
Concen: 101.36 ng
RT: 9.83 min Scan# 1113
Delta R.T. -0.05 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	126539
Ion Ratio	100	Lower	Upper
128	47.7	29.7	44.5#
54	51.8	43.1	64.7

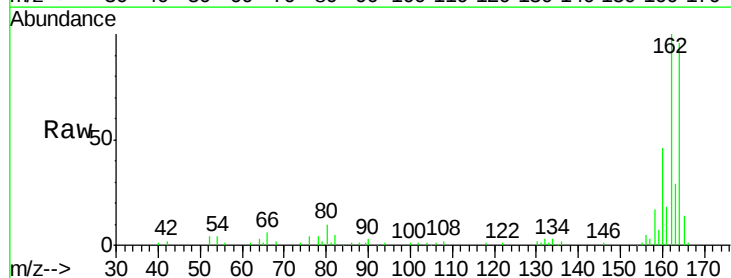


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

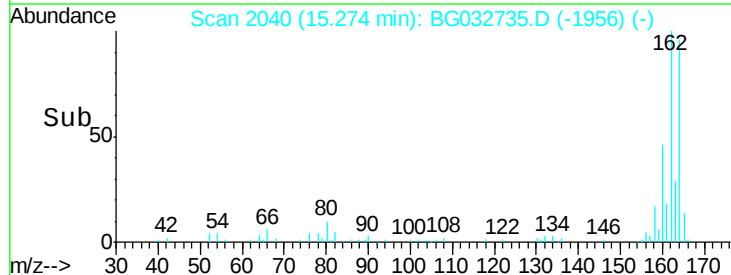
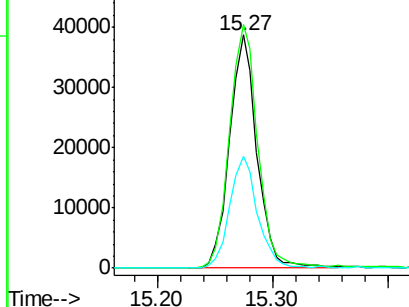


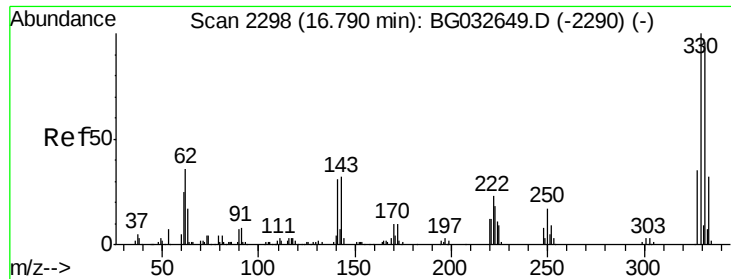
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.27 min Scan# 2040
Delta R.T. -0.04 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Tgt Ion	164	Resp	63470
Ion Ratio	100	Lower	Upper
162	104.4	78.8	118.2
160	47.8	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

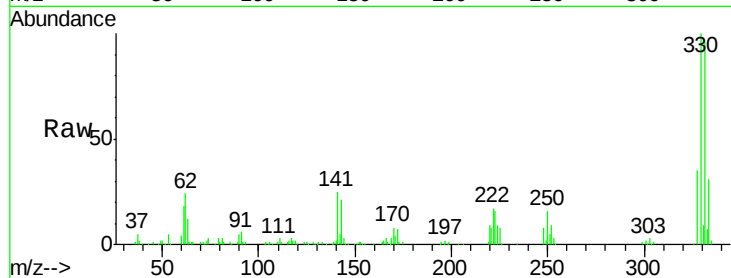




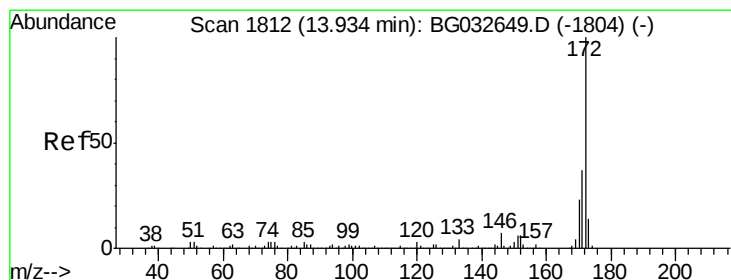
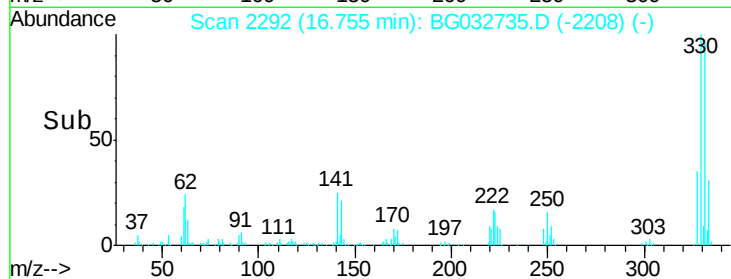
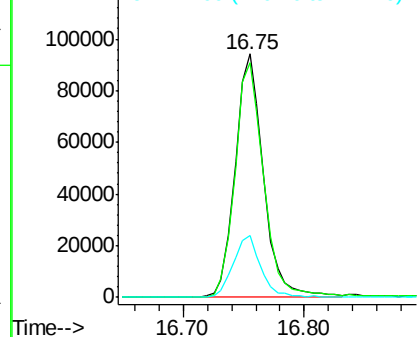
#41
 2,4,6-Tribromophenol
 Concen: 157.40 ng
 RT: 16.75 min Scan# 2292
 Delta R.T. -0.04 min
 Lab File: BG032735.D
 Acq: 16 Feb 2018 5:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	25.1	25.2	37.8#

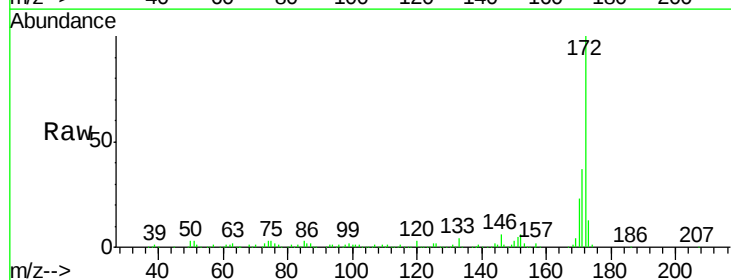


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

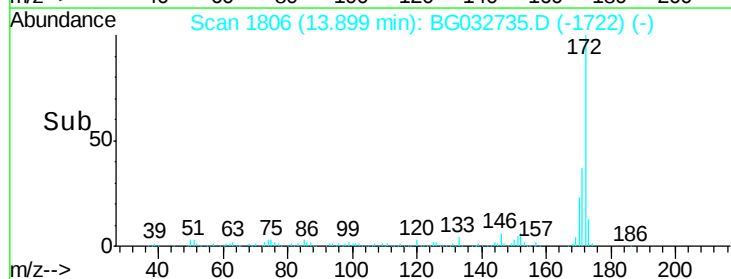
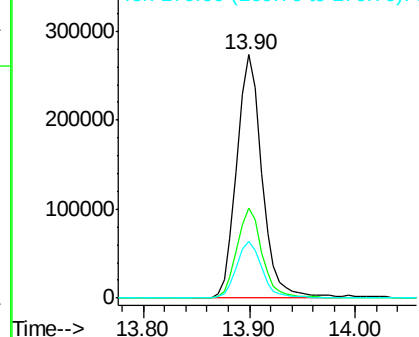


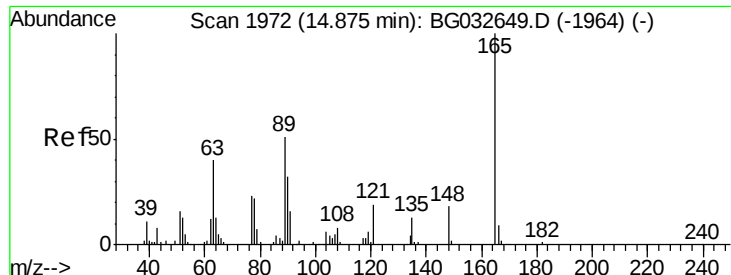
#44
 2-Fluorobiphenyl
 Concen: 89.41 ng
 RT: 13.90 min Scan# 1806
 Delta R.T. -0.04 min
 Lab File: BG032735.D
 Acq: 16 Feb 2018 5:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	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

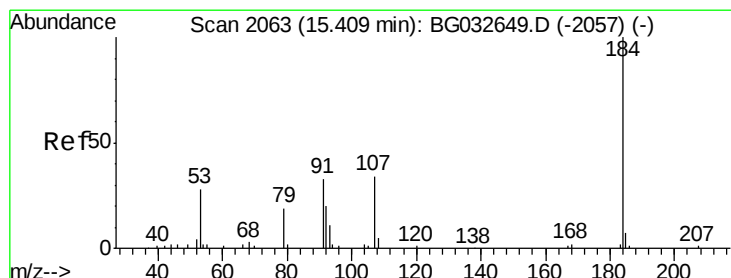
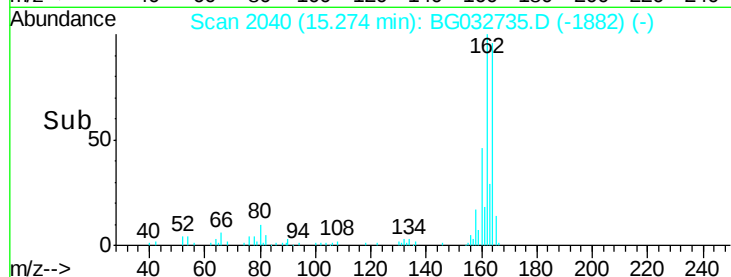
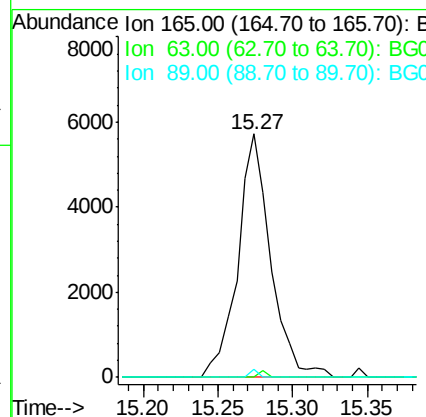
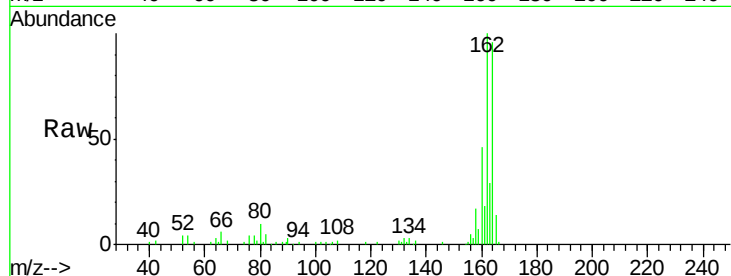




#50
 2,6-Dinitrotoluene
 Concen: 7.71 ng
 RT: 15.27 min Scan# 2040
 Delta R.T. 0.40 min
 Lab File: BG032735.D
 Acq: 16 Feb 2018 5:34

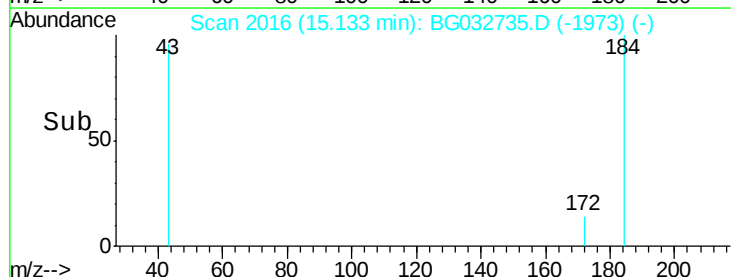
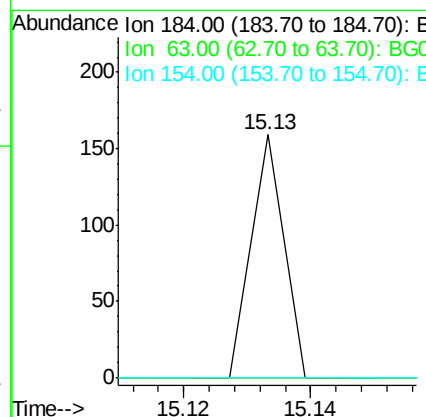
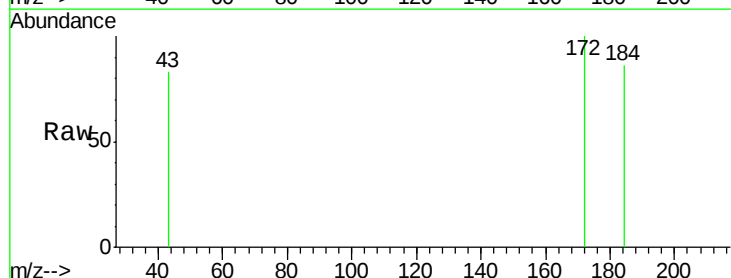
Instrument :
 BNA_F
 ClientSampleId :

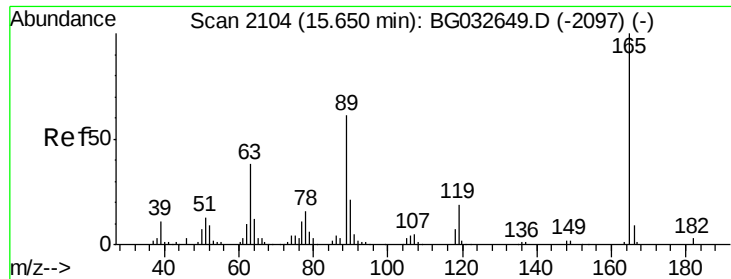
Tot Ion:165 Resp: 8710
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.6 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 11.54 ng
 RT: 15.13 min Scan# 2016
 Delta R.T. -0.28 min
 Lab File: BG032735.D
 Acq: 16 Feb 2018 5:34

Tgt Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

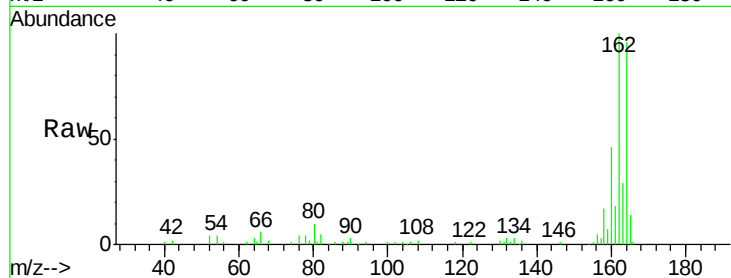




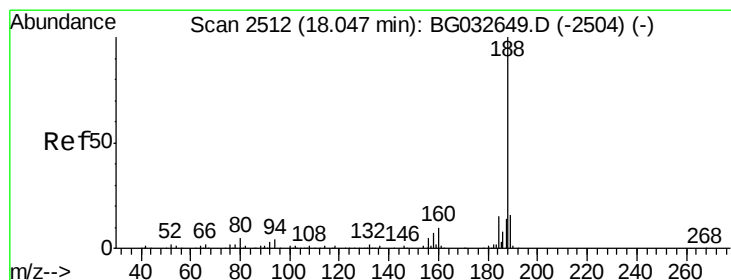
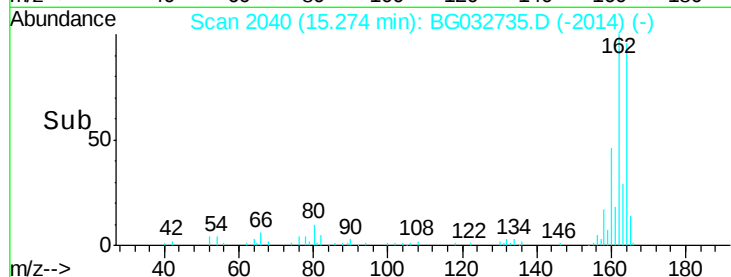
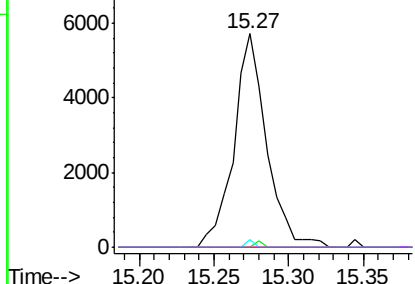
#56
2,4-Dinitrotoluene
Concen: 5.59 ng
RT: 15.27 min Scan# 2040
Delta R.T. -0.38 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 8710
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.6 66.9 100.3#
182 0.0 2.6 3.8#

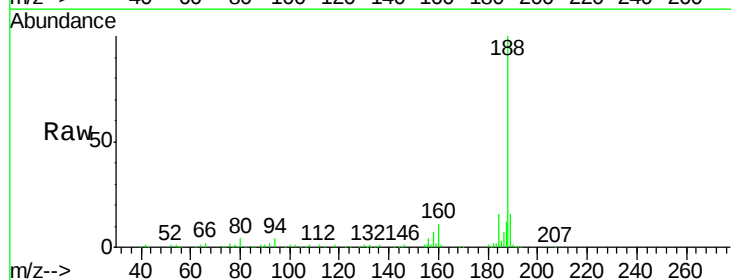


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

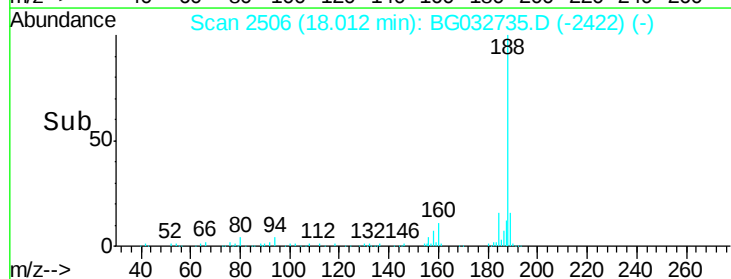
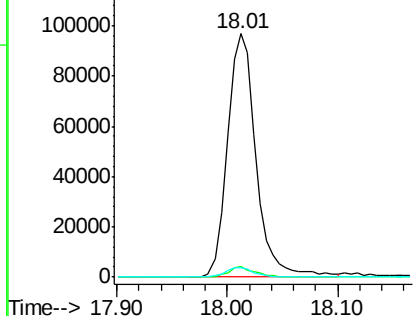


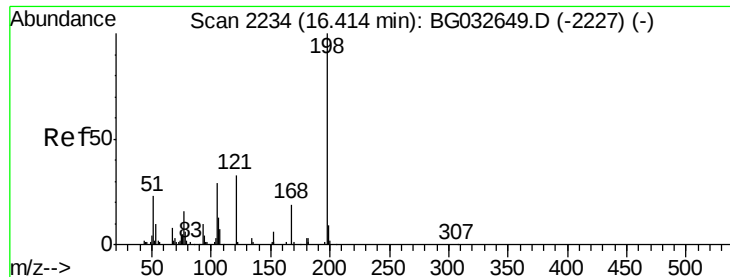
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.01 min Scan# 2506
Delta R.T. -0.04 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Tgt Ion:188 Resp: 175606
Ion Ratio Lower Upper
188 100
94 4.4 6.9 10.3#
80 4.0 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

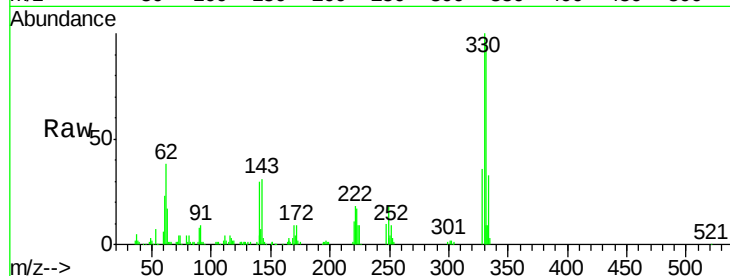




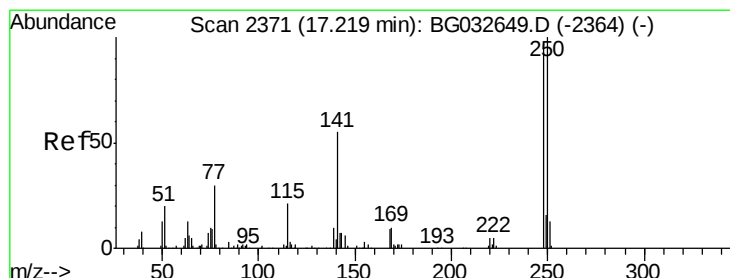
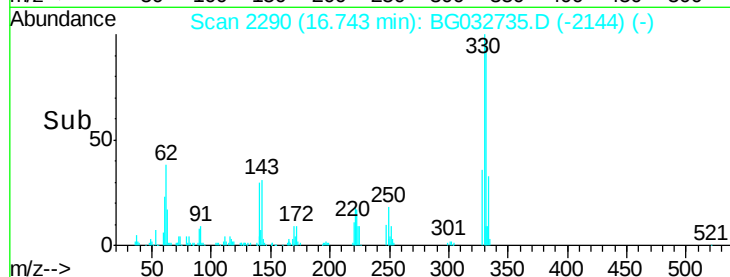
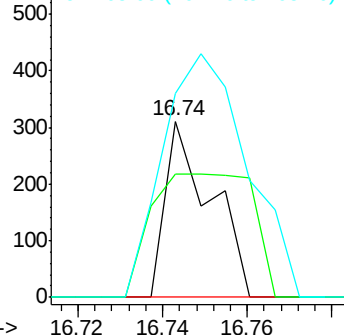
#64
4,6-Dinitro-2-methylphenol
Concen: 5.19 ng
RT: 16.74 min Scan# 2290
Delta R.T. 0.33 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 233
Ion Ratio Lower Upper
198 100
51 69.8 30.6 70.6
105 116.1 23.8 63.8#

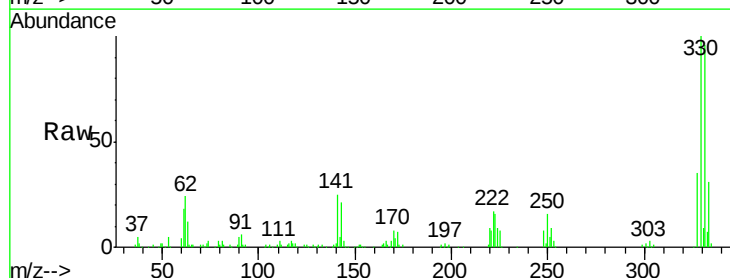


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

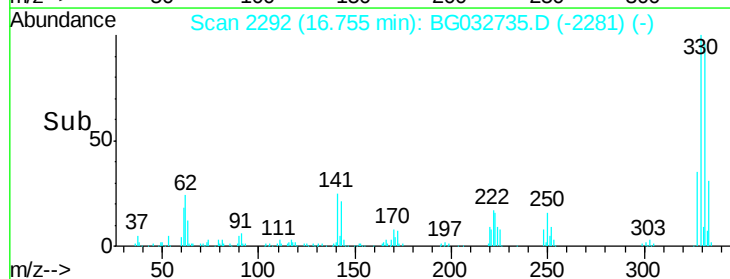
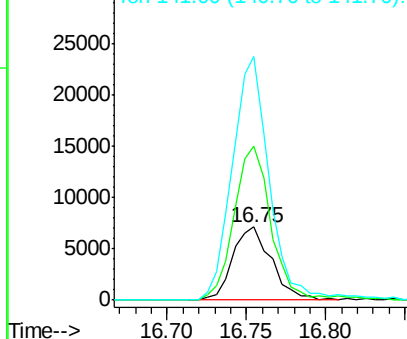


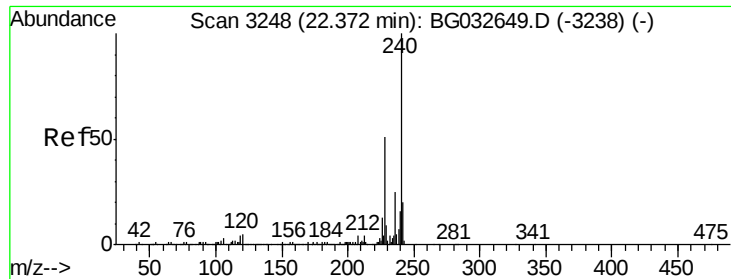
#66
4-Bromophenyl-phenylether
Concen: 4.77 ng
RT: 16.75 min Scan# 2292
Delta R.T. -0.46 min
Lab File: BG032735.D
Acq: 16 Feb 2018 5:34

Tgt Ion:248 Resp: 11997
Ion Ratio Lower Upper
248 100
250 210.2 77.1 115.7#
141 333.4 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.33 min Scan# 3241

Delta R.T. -0.04 min

Lab File: BG032735.D

Acq: 16 Feb 2018 5:34

Instrument :

BNA_F

ClientSampleId :

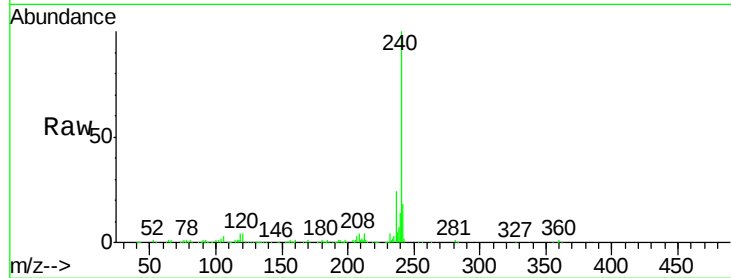
Tot Ion:240 Resp: 253968

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

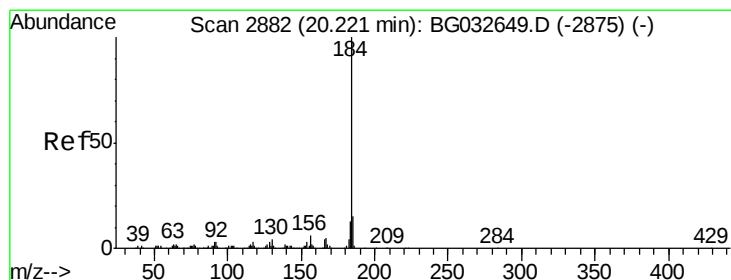
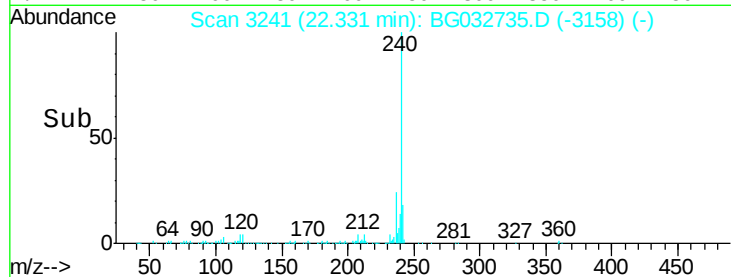
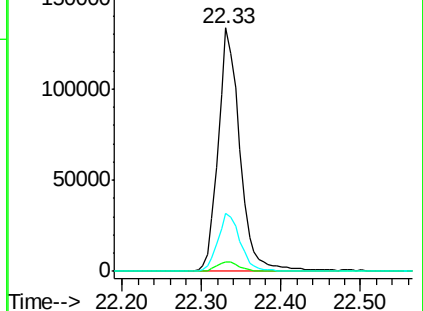
236 23.7 20.9 31.3



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: 2.52 ng

RT: 20.56 min Scan# 2940

Delta R.T. 0.34 min

Lab File: BG032735.D

Acq: 16 Feb 2018 5:34

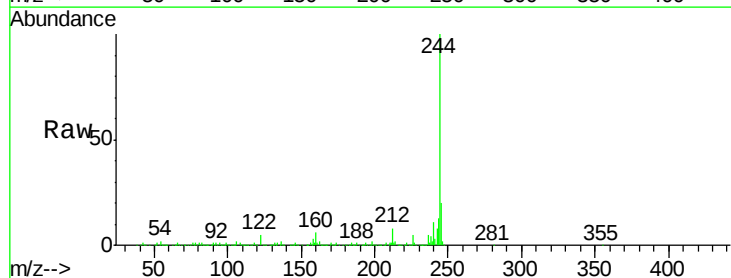
Tgt Ion:184 Resp: 15098

Ion Ratio Lower Upper

184 100

185 19.6 11.1 16.7#

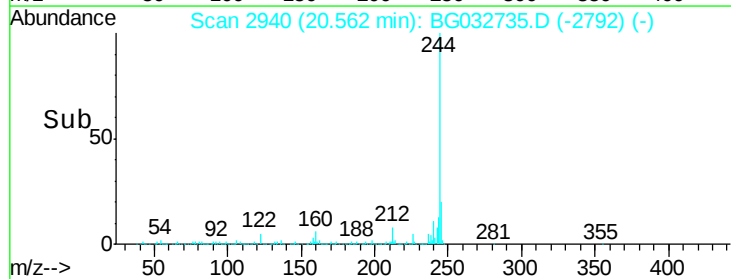
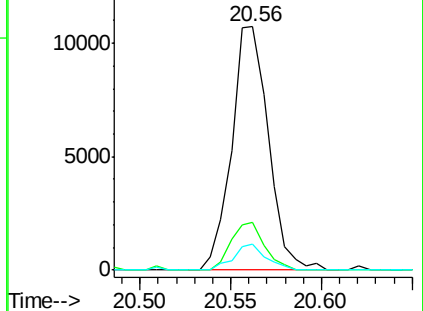
183 10.4 10.6 16.0#

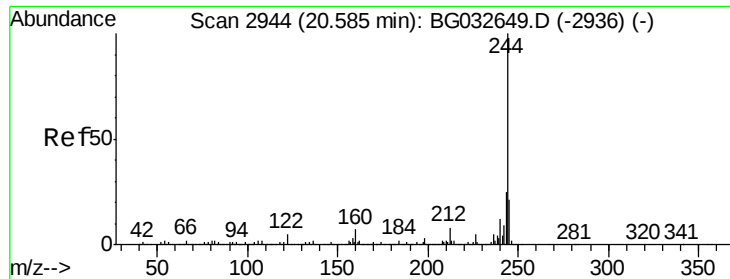


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.98 ng

RT: 20.56 min Scan# 2940

Delta R.T. -0.02 min

Lab File: BG032735.D

Acq: 16 Feb 2018 5:34

Instrument :

BNA_F

ClientSampleId :

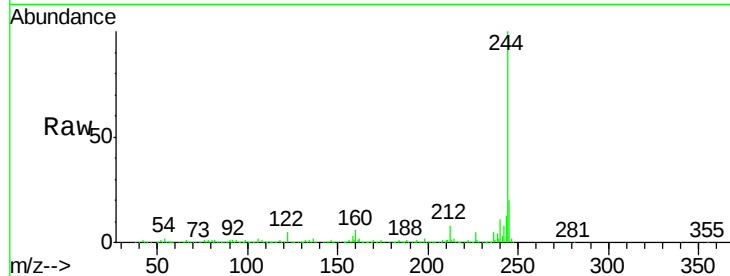
Tot Ion:244 Resp: 1080636

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

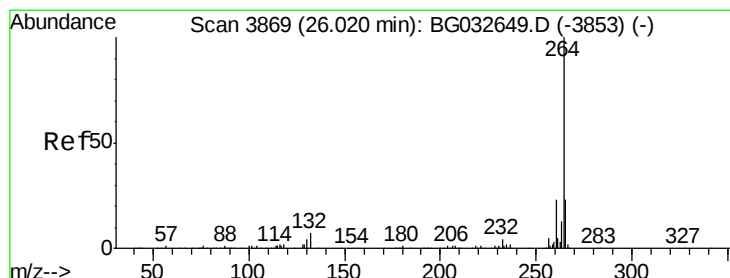
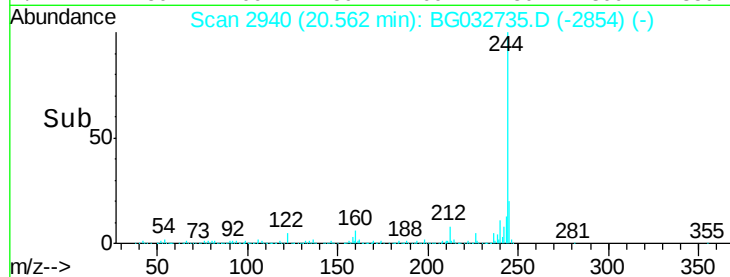
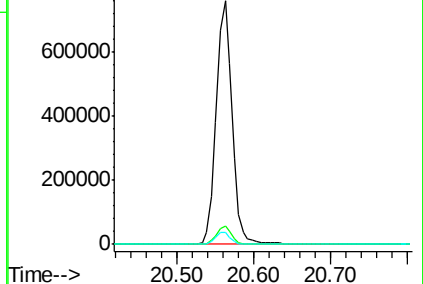
122 4.9 7.0 10.4#



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: 20.00 ng

RT: 25.96 min Scan# 3859

Delta R.T. -0.06 min

Lab File: BG032735.D

Acq: 16 Feb 2018 5:34

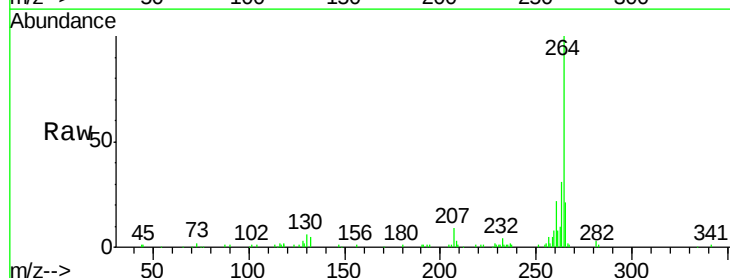
Tgt Ion:264 Resp: 120966

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.6 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

