

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035809.D
 Acq On : 21 Jul 2018 7:47
 Operator : JU/SJ
 Sample : J4062-18
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Jul 23 01:01:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

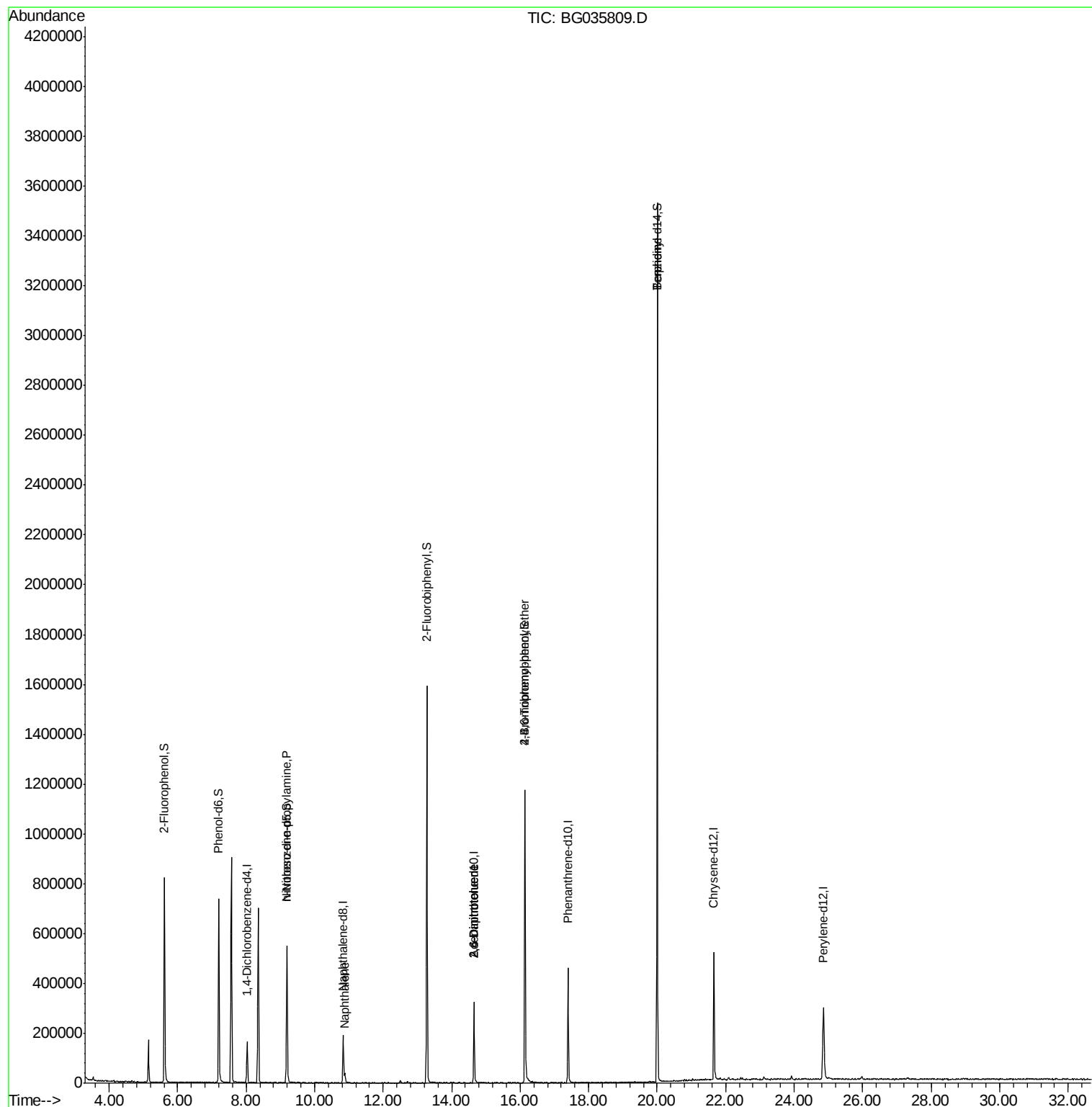
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	48181	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	165382	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	118112	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	317370	20.00	ng	0.00
75) Chrysene-d12	21.65	240	365618	20.00	ng	0.00
86) Perylene-d12	24.85	264	342457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	369079	127.18	ng	0.00
7) Phenol-d6	7.20	99	467120	107.88	ng	0.00
23) Nitrobenzene-d5	9.19	82	384557	97.14	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	234082	150.36	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	860250	97.58	ng	0.00
78) Terphenyl-d14	20.00	244	1647753	99.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	52732	14.463	ng	Qvalue
31) Naphthalene	10.88	128	30109	3.495	ng	# 63
50) 2,6-Dinitrotoluene	14.65	165	15390	7.303	ng	# 21
56) 2,4-Dinitrotoluene	14.65	165	15390	5.091	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	20064	5.449	ng	# 1
76) Benzidine	20.00	184	28116	2.925	ng	# 91

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

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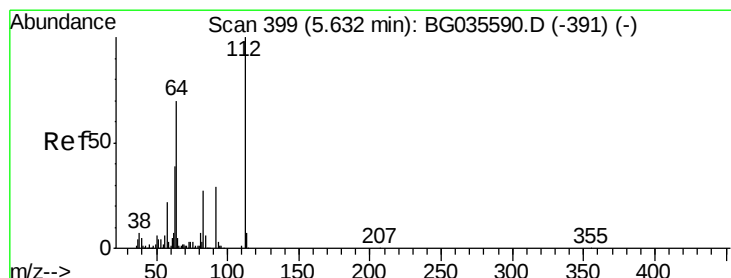
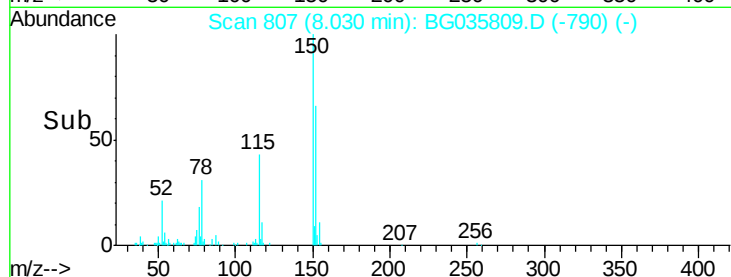
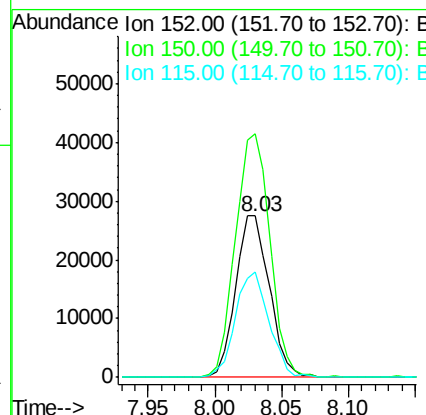
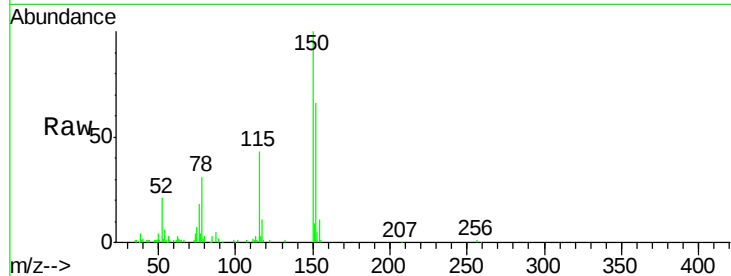


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

Instrument :
BNA_G
ClientSampleId :
TP-5

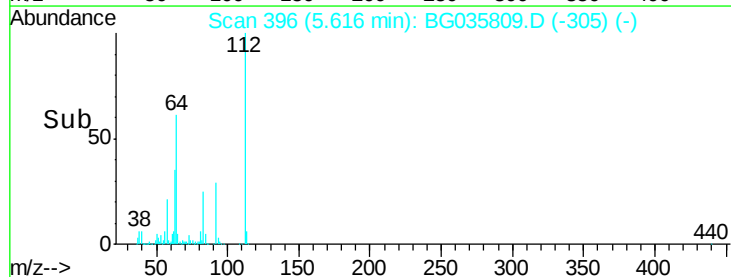
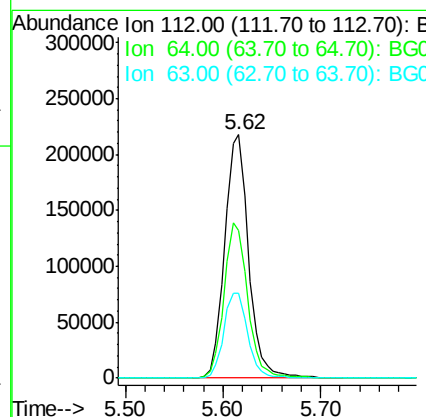
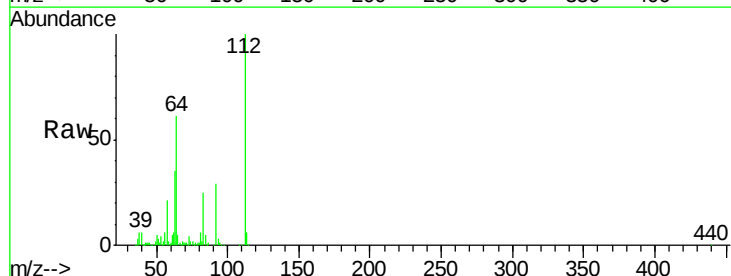
Tgt Ion:152 Resp: 48181
Ion Ratio Lower Upper
152 100
150 150.7 126.6 189.8
115 65.4 53.0 79.4

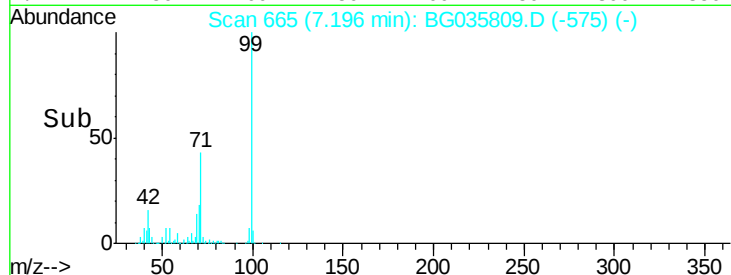
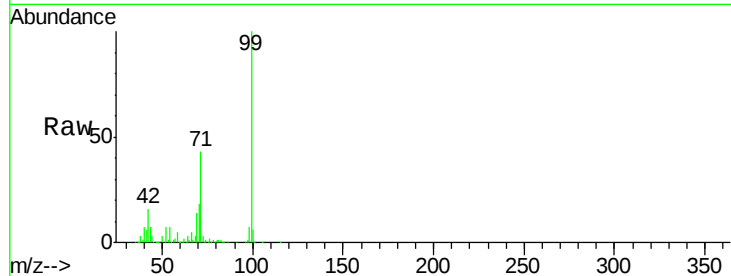


#5

2-Fluorophenol
Concen: 127.178 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

Tgt Ion:112 Resp: 369079
Ion Ratio Lower Upper
112 100
64 60.8 56.3 84.5
63 35.0 30.1 45.1





#7

Phenol-d6

Concen: 107.884 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035809.D

Acq: 21 Jul 2018 7:47

Instrument :

BNA_G

ClientSampleId :

TP-5

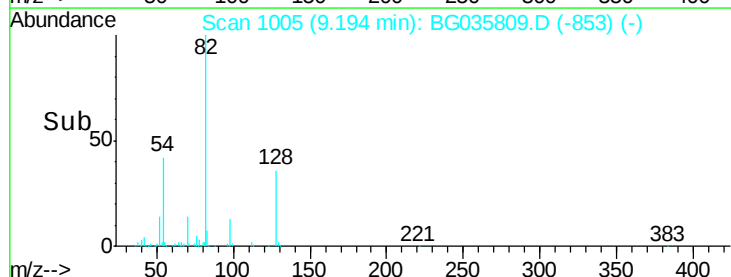
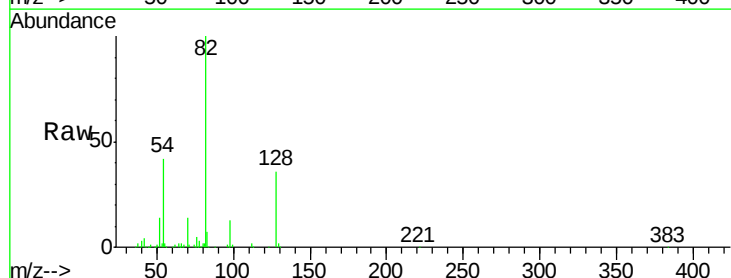
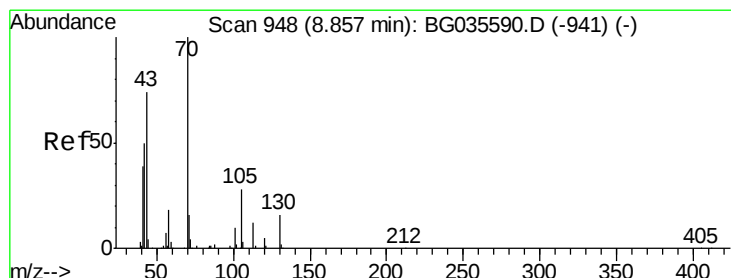
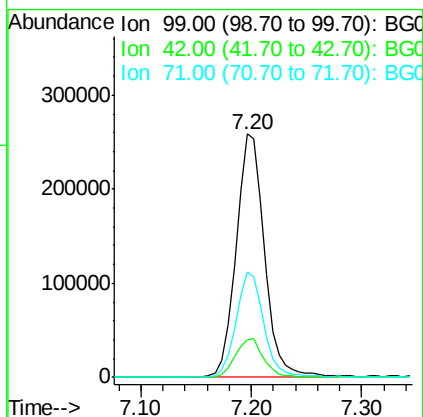
Tgt Ion: 99 Resp: 467120

Ion Ratio Lower Upper

99 100

42 15.6 14.1 21.1

71 43.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.463 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035809.D

Acq: 21 Jul 2018 7:47

Tgt Ion: 70 Resp: 52732

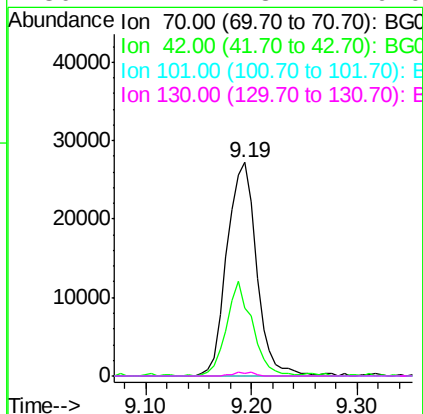
Ion Ratio Lower Upper

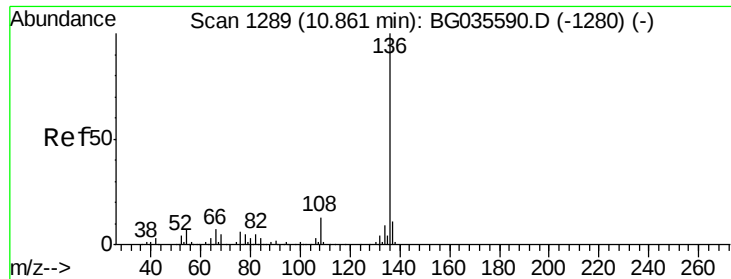
70 100

42 31.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

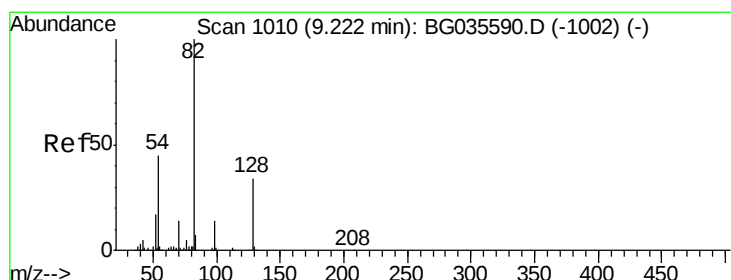
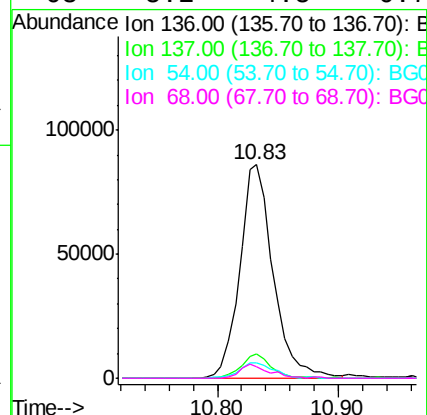
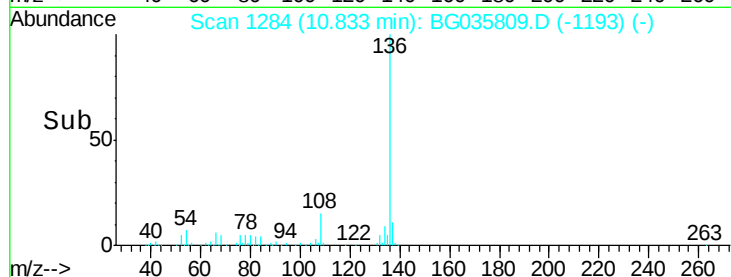
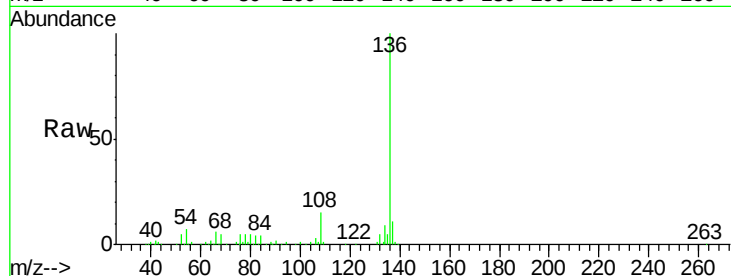




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

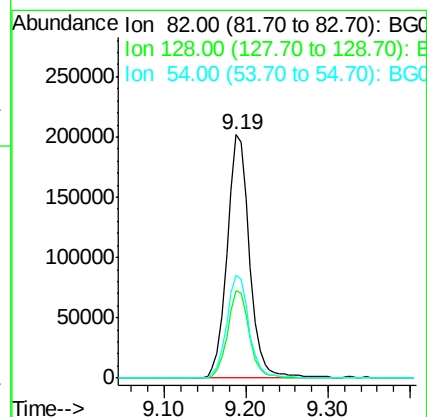
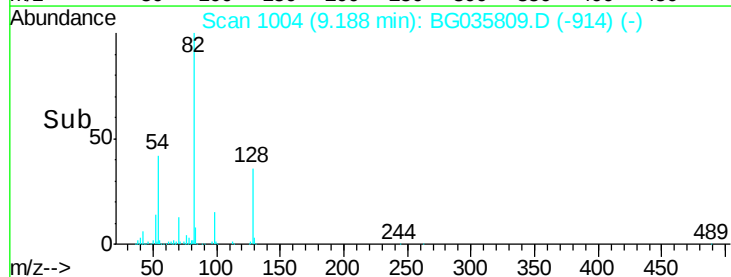
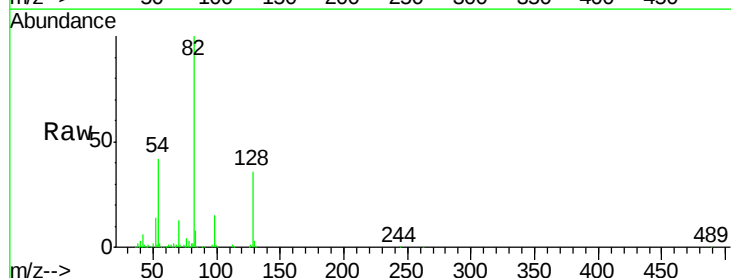
Instrument :
BNA_G
ClientSampleId :
TP-5

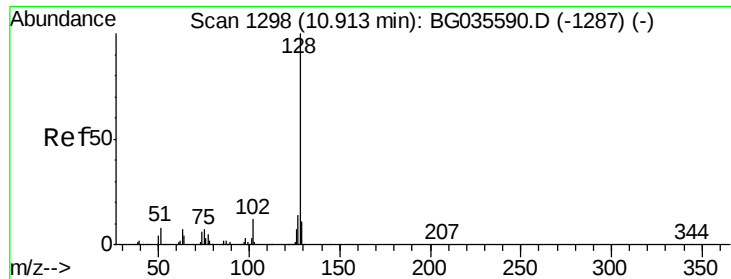
Tgt Ion:	136	Resp:	165382
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.5	10.3	15.5#
68	5.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 97.137 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

Tgt Ion:	82	Resp:	384557
Ion	Ratio	Lower	Upper
82	100		
128	35.9	29.7	44.5
54	42.0	43.1	64.7#

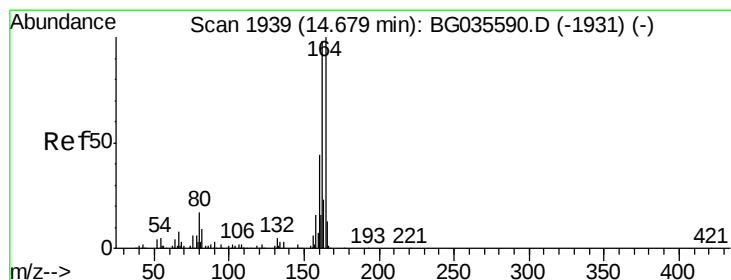
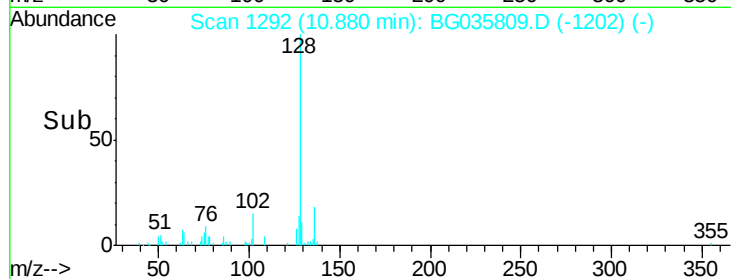
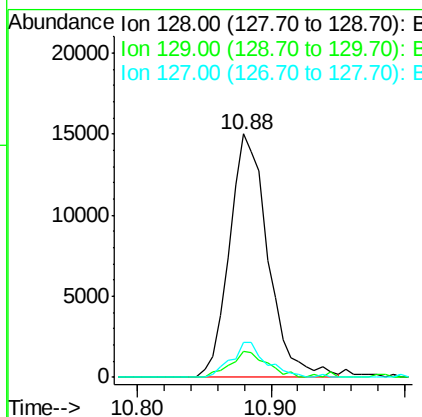
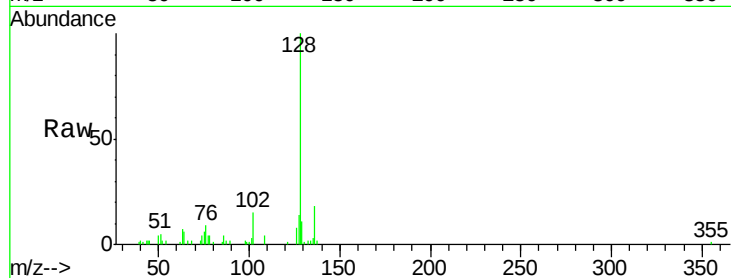




#31
Naphthalene
Concen: 3.495 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

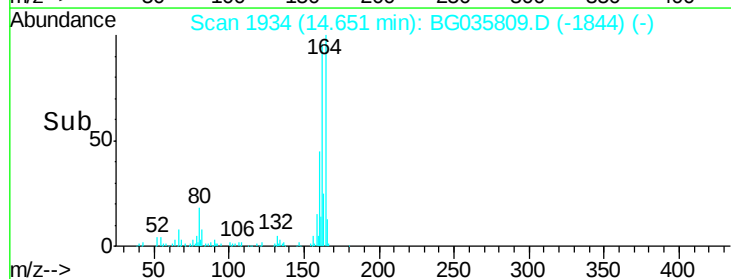
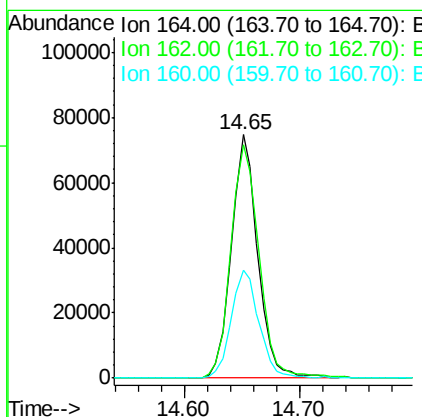
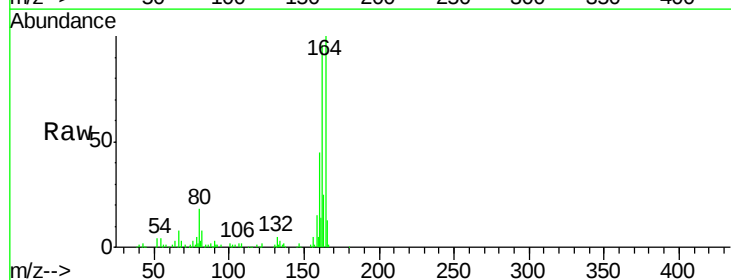
Instrument :
BNA_G
ClientSampleId :
TP-5

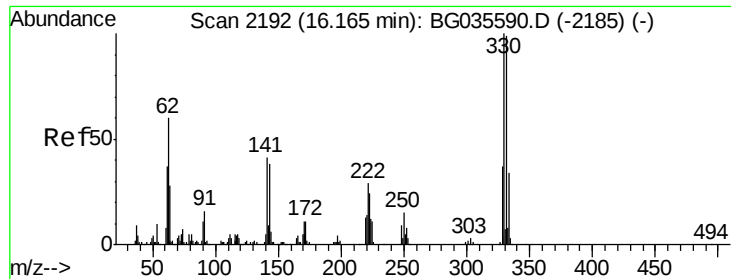
Tgt Ion:128 Resp: 30109
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 14.2 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

Tgt Ion:164 Resp: 118112
Ion Ratio Lower Upper
164 100
162 95.8 78.8 118.2
160 44.6 35.4 53.0

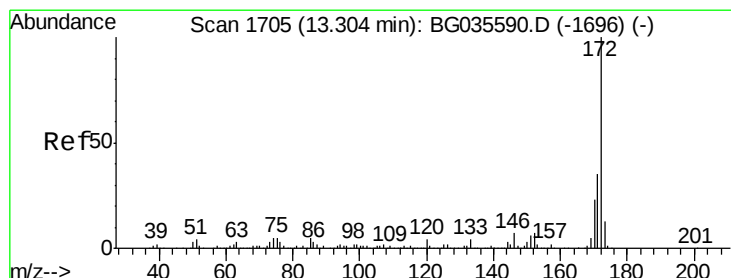
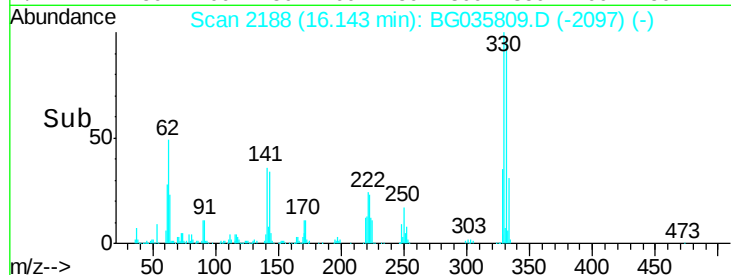
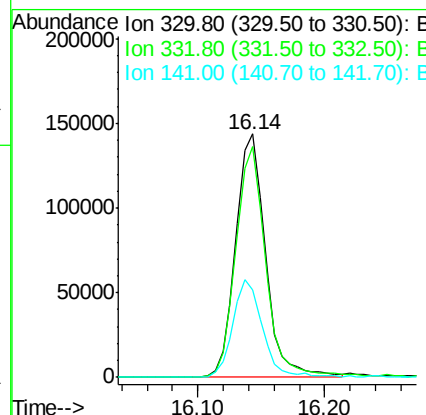
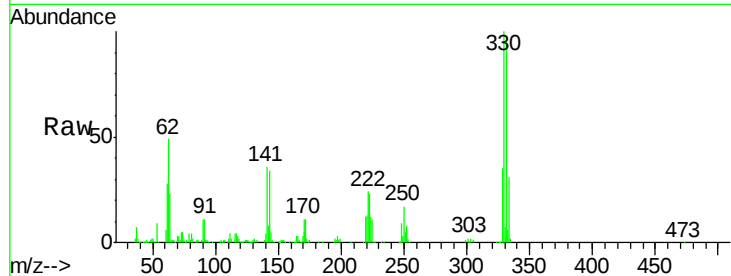




#41
 2,4,6-Tribromophenol
 Concen: 150.362 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: BG035809.D
 Acq: 21 Jul 2018 7:47

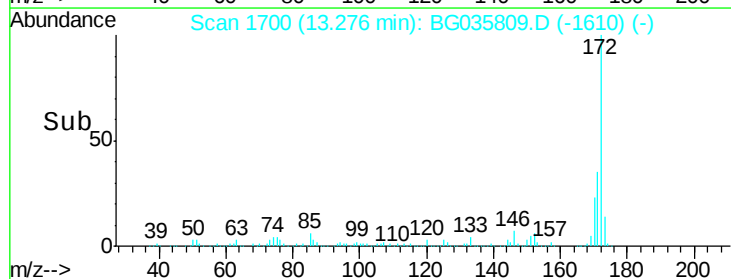
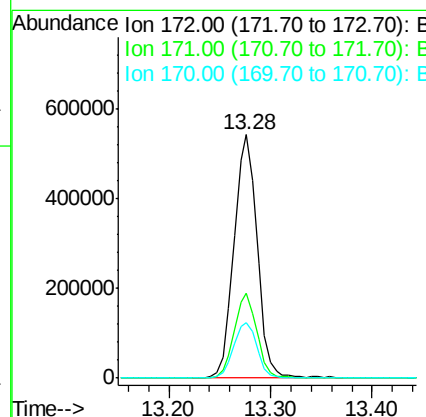
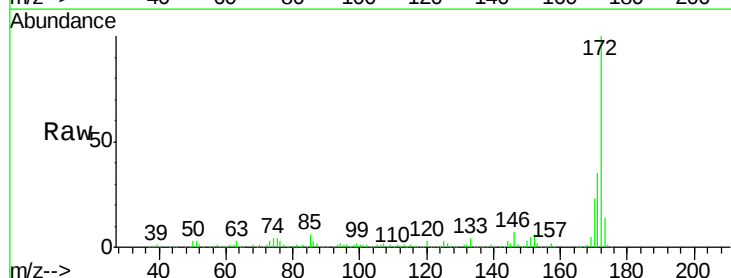
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 ClientSampleId :
 TP-5

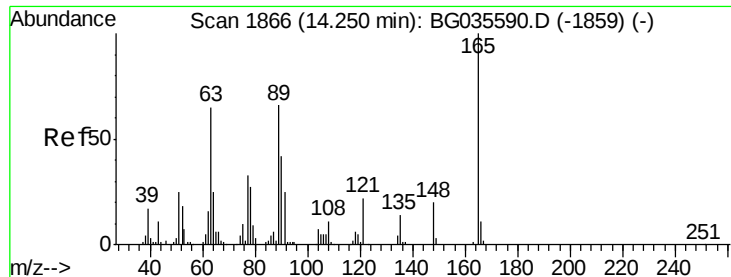
Tgt Ion:330 Resp: 234082
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 40.1 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 97.578 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035809.D
 Acq: 21 Jul 2018 7:47

Tgt Ion:172 Resp: 860250
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.0 45.0
 170 22.7 19.5 29.3

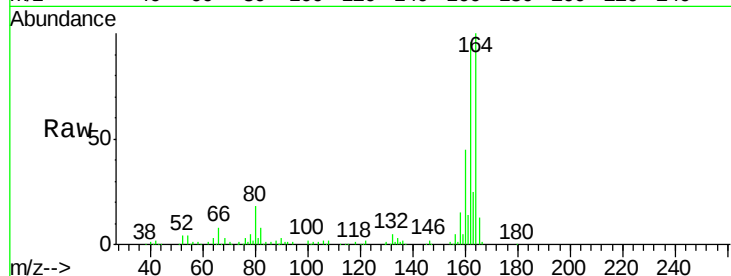




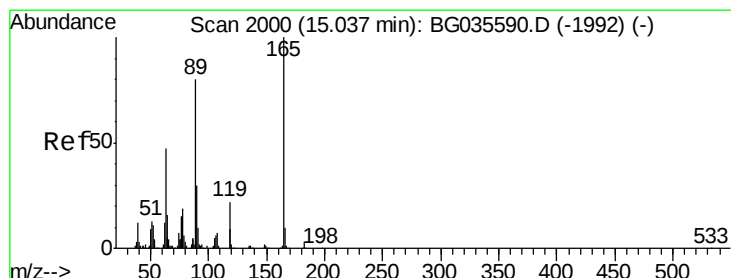
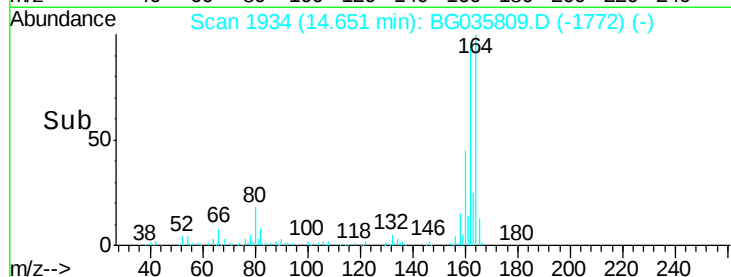
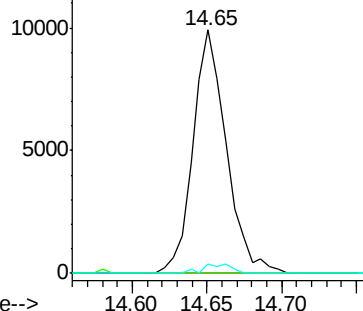
#50
 2,6-Dinitrotoluene
 Concen: 7.303 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035809.D
 Acq: 21 Jul 2018 7:47

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:165 Resp: 15390
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.7 49.2 73.8#

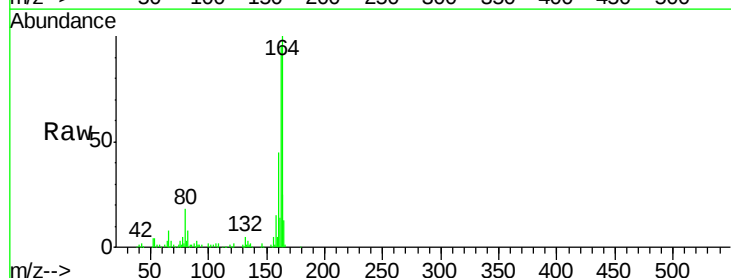


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

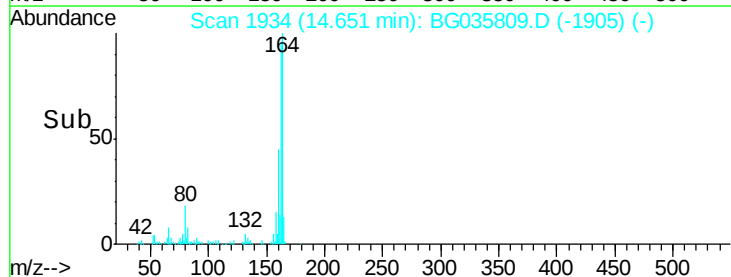
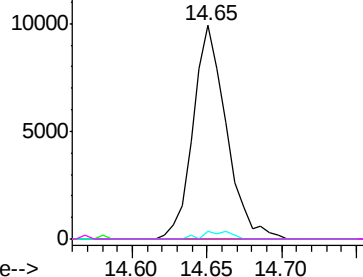


#56
 2,4-Dinitrotoluene
 Concen: 5.091 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.36 min
 Lab File: BG035809.D
 Acq: 21 Jul 2018 7:47

Tgt Ion:165 Resp: 15390
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.7 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

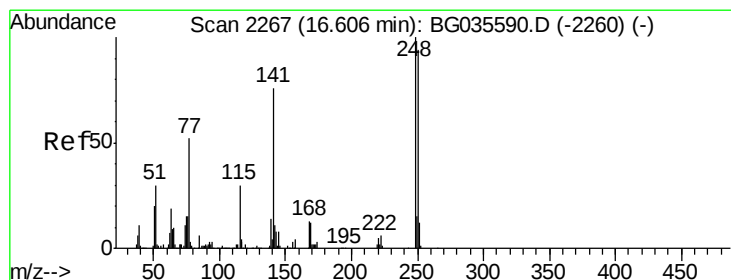
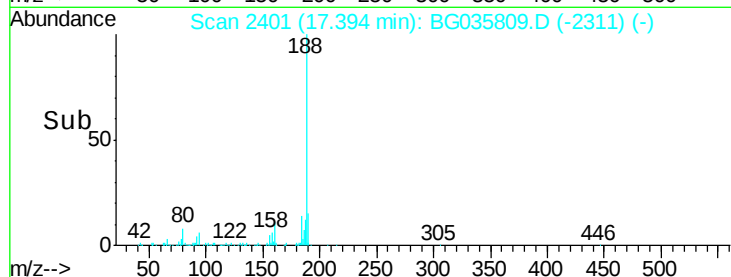
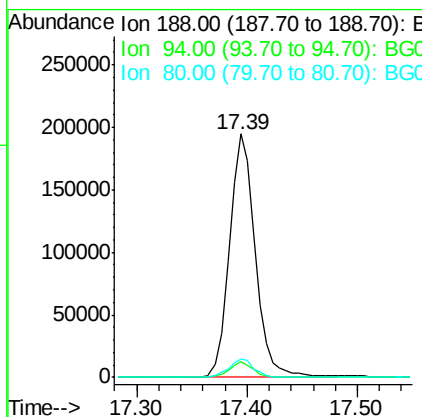
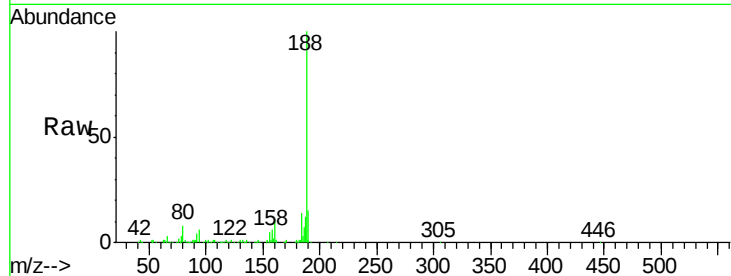




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

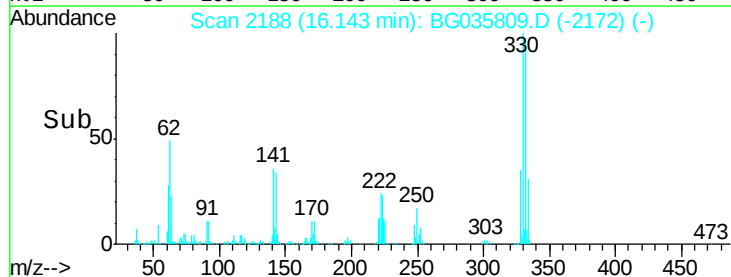
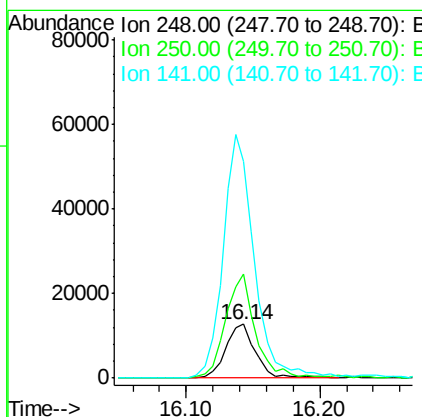
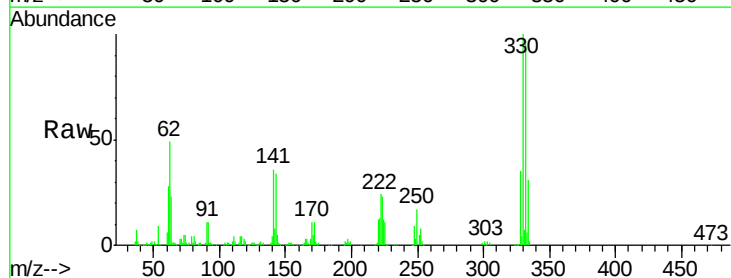
Instrument :
BNA_G
ClientSampleId :
TP-5

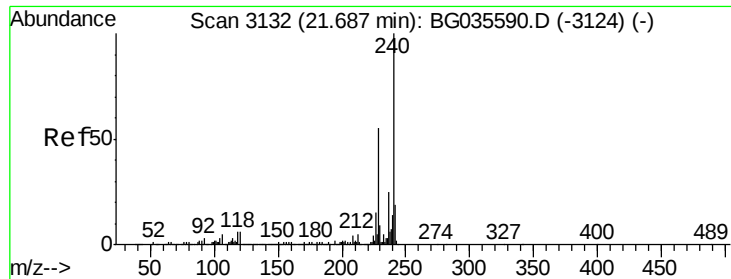
Tgt Ion:188 Resp: 317370
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 7.6 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.449 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.44 min
Lab File: BG035809.D
Acq: 21 Jul 2018 7:47

Tgt Ion:248 Resp: 20064
Ion Ratio Lower Upper
248 100
250 191.9 77.1 115.7#
141 401.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG035809.D

Acq: 21 Jul 2018 7:47

Instrument :

BNA_G

ClientSampled :

TP-5

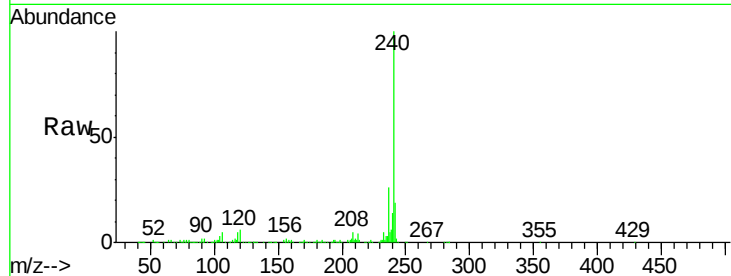
Tgt Ion:240 Resp: 365618

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

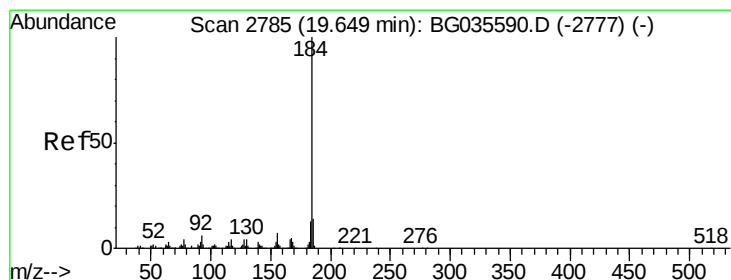
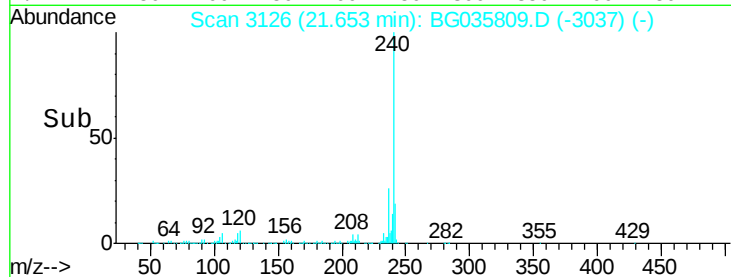
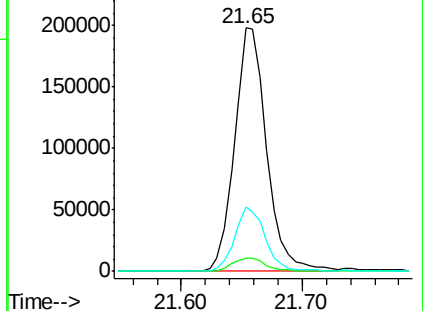
236 26.4 20.9 31.3



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: 2.925 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035809.D

Acq: 21 Jul 2018 7:47

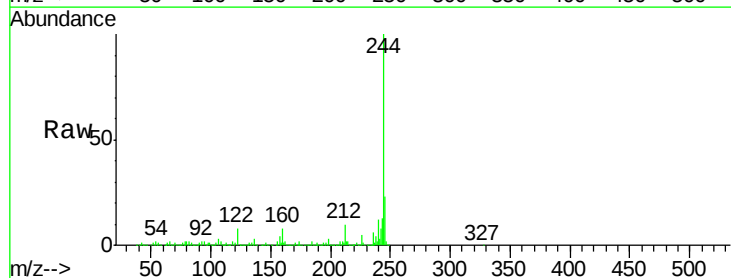
Tgt Ion:184 Resp: 28116

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

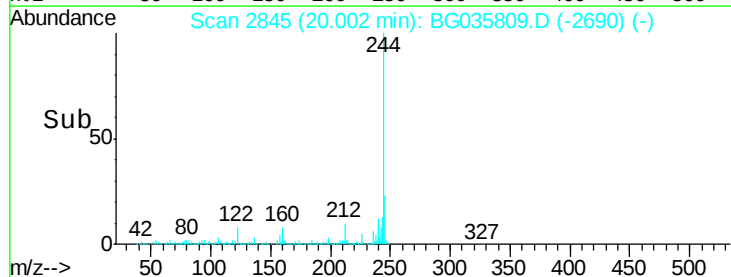
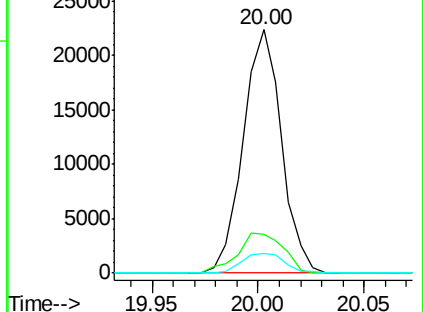
183 8.0 10.6 16.0#

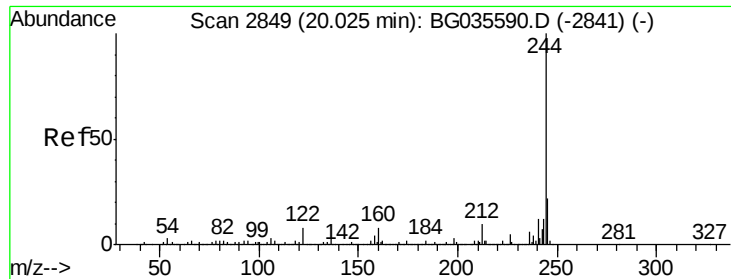


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

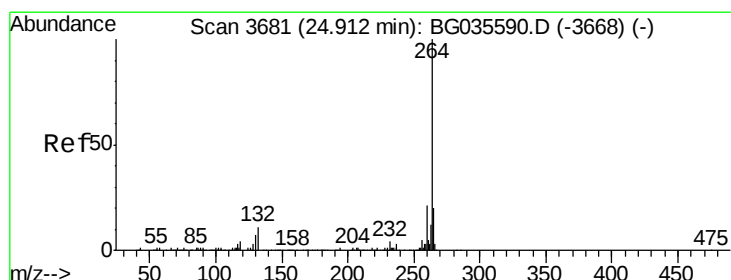
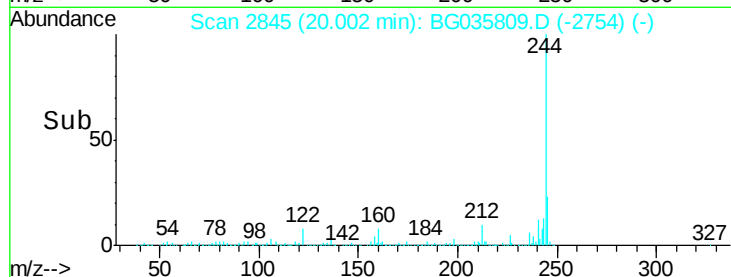
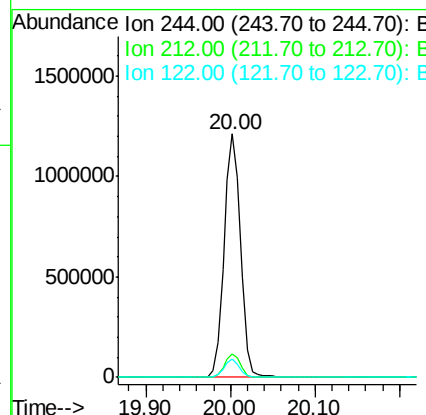
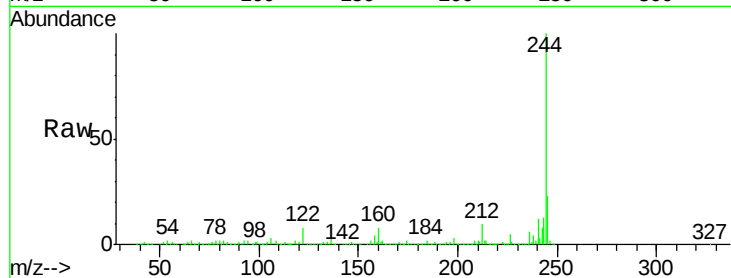




#78
 Terphenyl-d14
 Concen: 99.343 ng
 RT: 20.00 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: BG035809.D
 Acq: 21 Jul 2018 7:47

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 1647753
 Ion Ratio Lower Upper
 244 100
 212 9.6 5.8 8.8#
 122 7.6 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3671
 Delta R.T. -0.00 min
 Lab File: BG035809.D
 Acq: 21 Jul 2018 7:47

Tgt Ion:264 Resp: 342457
 Ion Ratio Lower Upper
 264 100
 260 24.5 17.4 26.0
 265 20.5 17.7 26.5

