

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035806.D
 Acq On : 21 Jul 2018 5:51
 Operator : JU/SJ
 Sample : J3827-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-071918

Quant Time: Jul 23 01:01:04 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

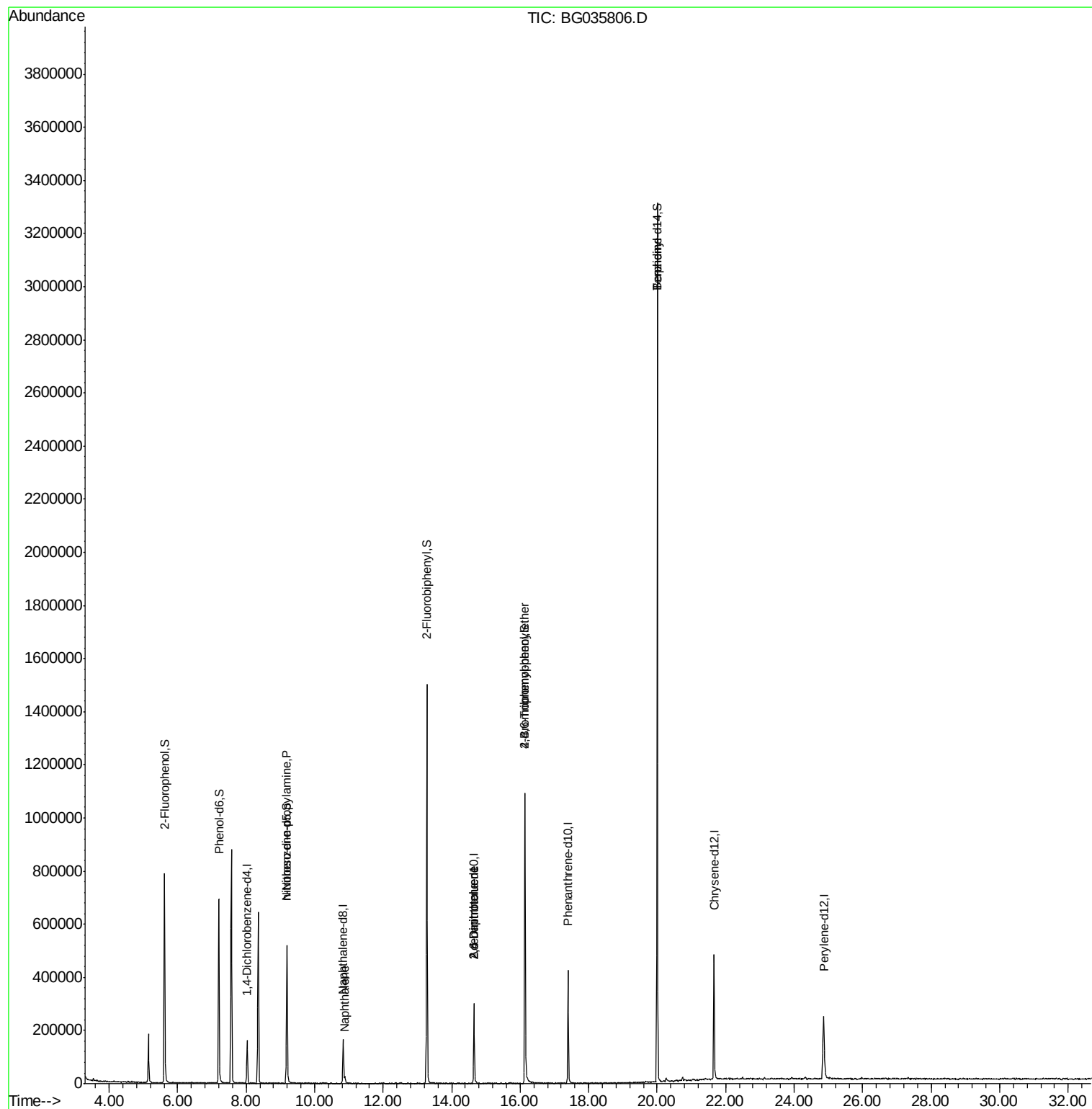
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	45659	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	158335	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	110344	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	296207	20.00	ng	0.00
75) Chrysene-d12	21.66	240	324758	20.00	ng	0.00
86) Perylene-d12	24.86	264	299322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	358729	130.44	ng	0.00
7) Phenol-d6	7.20	99	454832	110.85	ng	0.00
23) Nitrobenzene-d5	9.19	82	373432	98.53	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	221251	152.12	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	843692	102.44	ng	0.00
78) Terphenyl-d14	20.00	244	1559944	105.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	51674	14.955	ng	# 71
31) Naphthalene	10.89	128	18308	2.220	ng	# 91
50) 2,6-Dinitrotoluene	14.65	165	14683	7.458	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14683	5.199	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	18326	5.333	ng	# 1
76) Benzidine	20.00	184	28627	3.353	ng	95

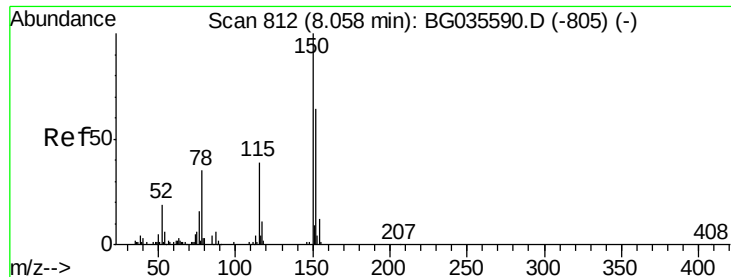
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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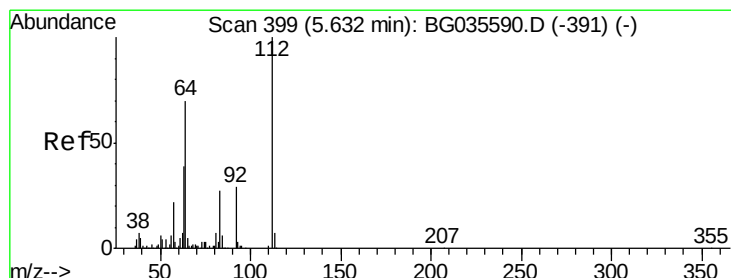
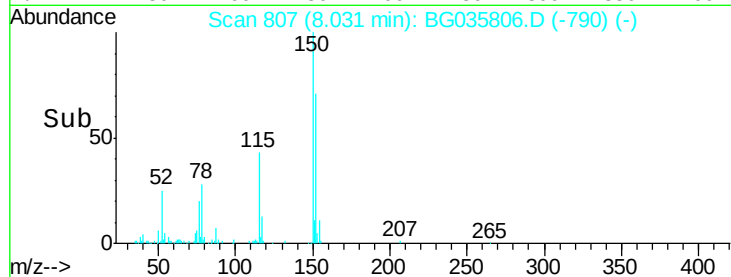
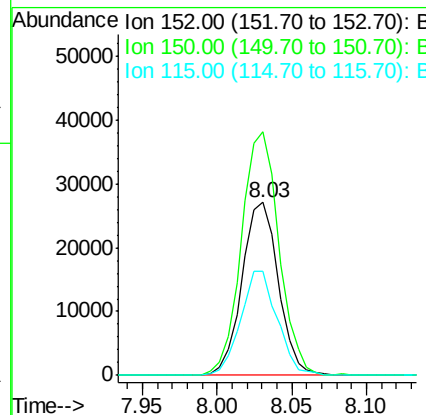
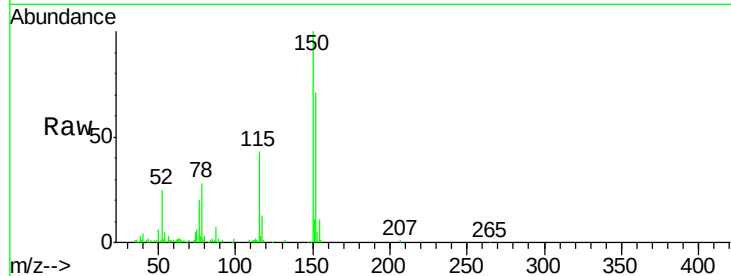


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

Instrument :
BNA_G
ClientSampleId :
OR-01-071918

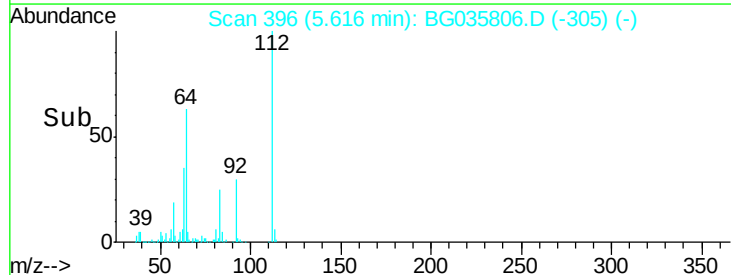
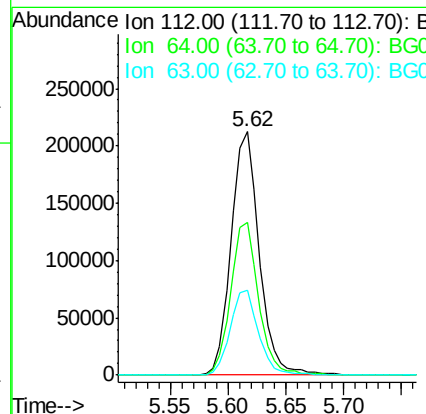
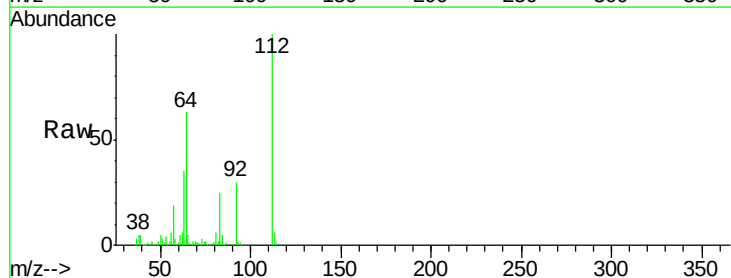
Tgt Ion:152 Resp: 45659
Ion Ratio Lower Upper
152 100
150 140.9 126.6 189.8
115 60.5 53.0 79.4

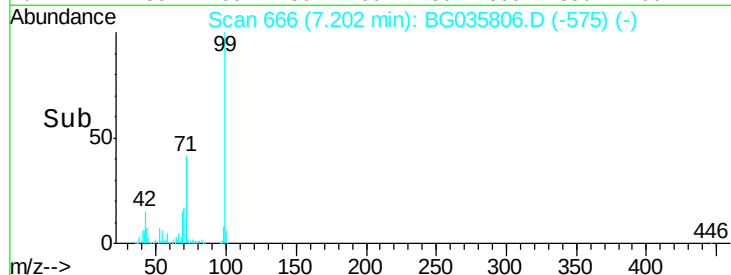
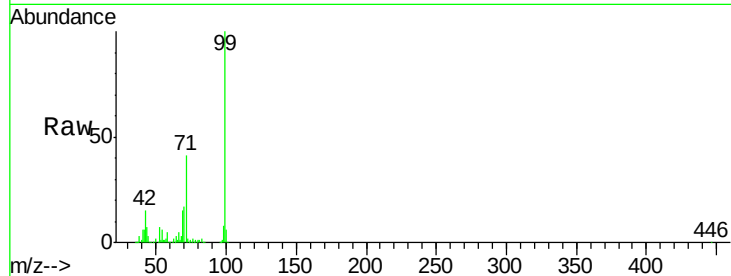
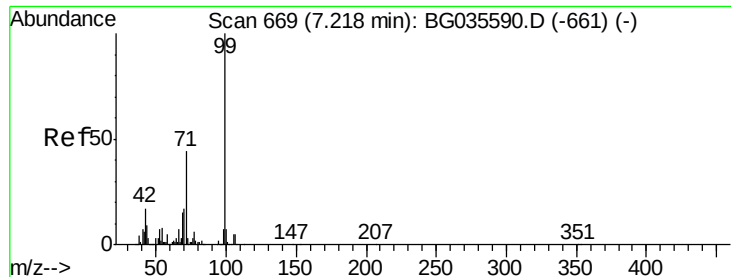


#5

2-Fluorophenol
Concen: 130.440 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

Tgt Ion:112 Resp: 358729
Ion Ratio Lower Upper
112 100
64 63.0 56.3 84.5
63 34.7 30.1 45.1





#7

Phenol-d6

Concen: 110.848 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

Instrument :

BNA_G

ClientSampleId :

OR-01-071918

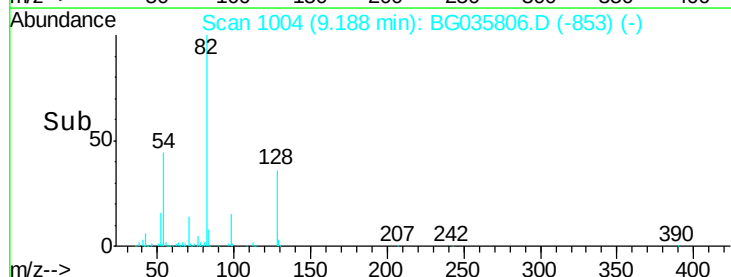
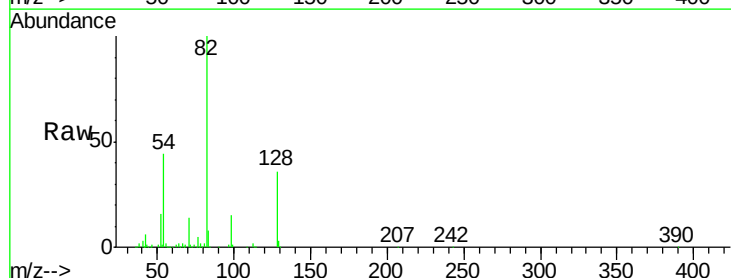
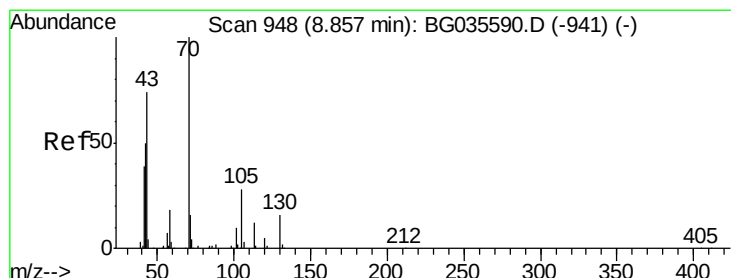
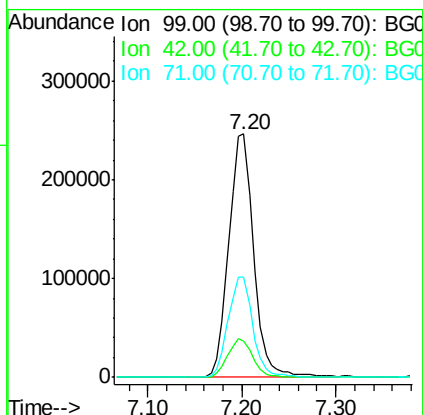
Tgt Ion: 99 Resp: 454832

Ion Ratio Lower Upper

99 100

42 15.2 14.1 21.1

71 41.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.955 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

Tgt Ion: 70 Resp: 51674

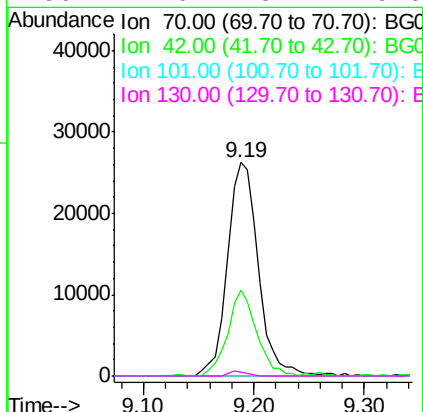
Ion Ratio Lower Upper

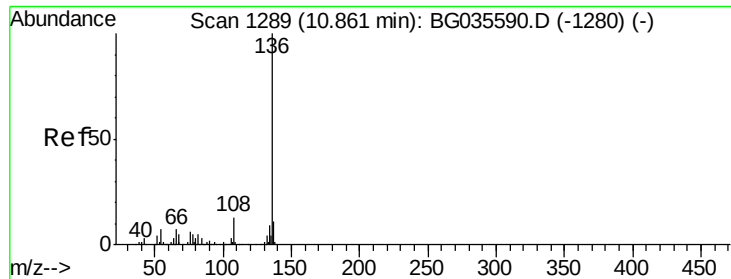
70 100

42 40.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

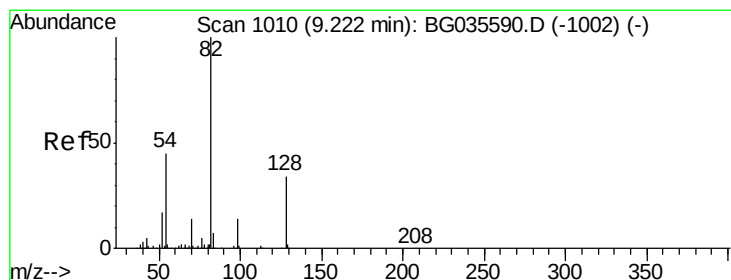
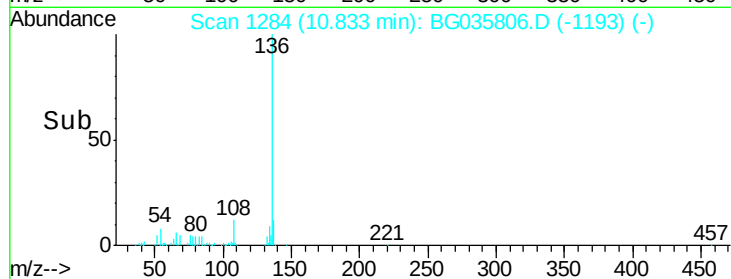
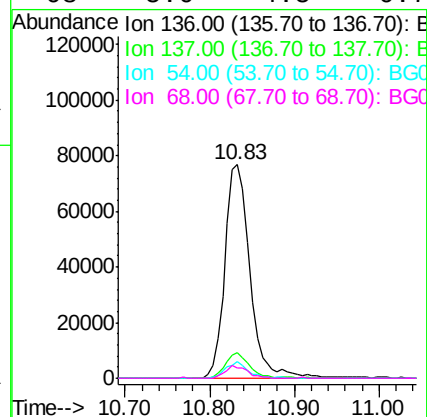
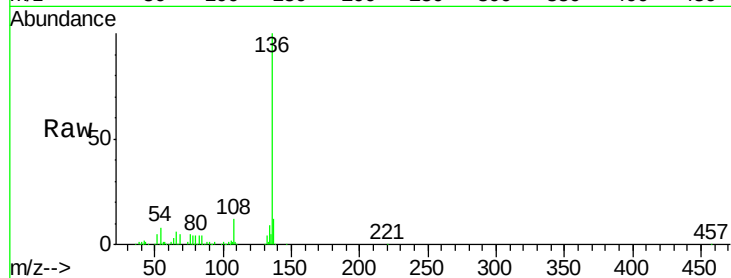




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

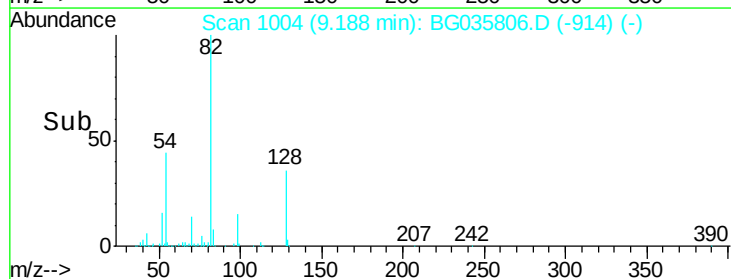
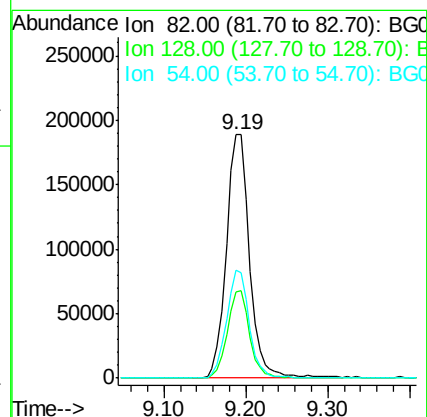
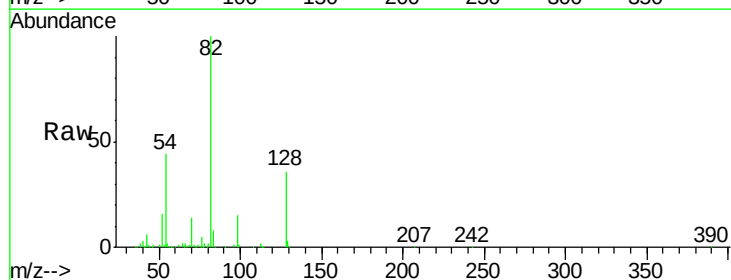
Instrument :
BNA_G
ClientSampleId :
OR-01-071918

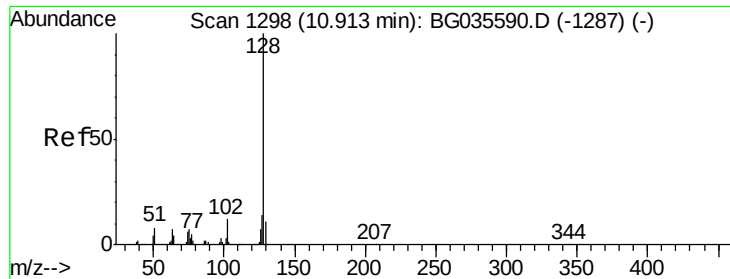
Tgt Ion:	136	Resp:	158335
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	7.9	10.3	15.5
68	5.0	4.5	6.7



#23
Nitrobenzene-d5
Concen: 98.525 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

Tgt Ion:	82	Resp:	373432
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.7	44.5
54	44.2	43.1	64.7

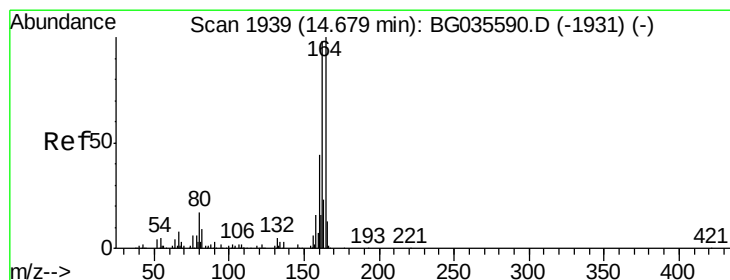
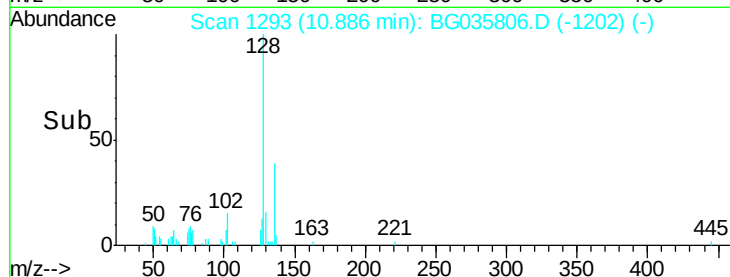
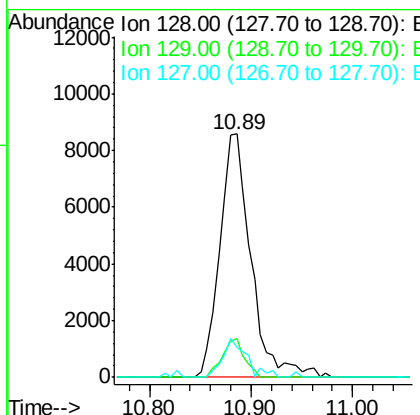
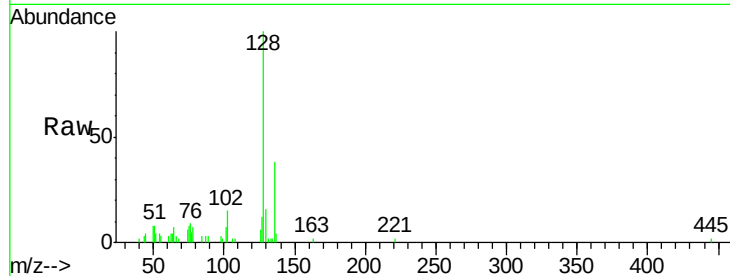




#31
Naphthalene
Concen: 2.220 ng
RT: 10.89 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

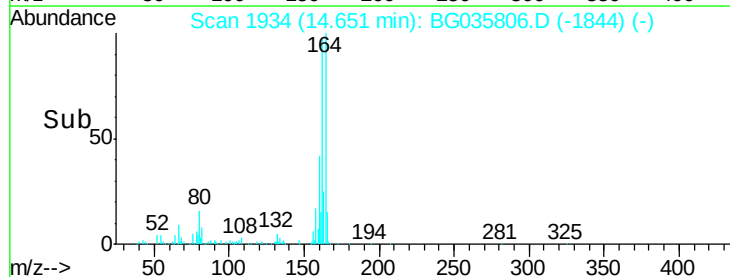
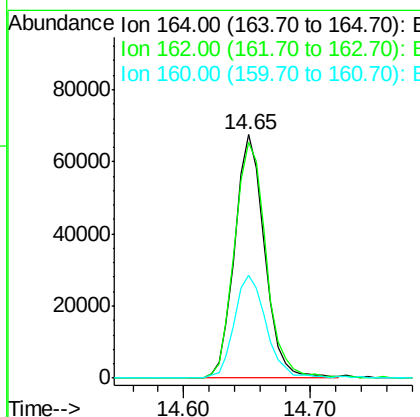
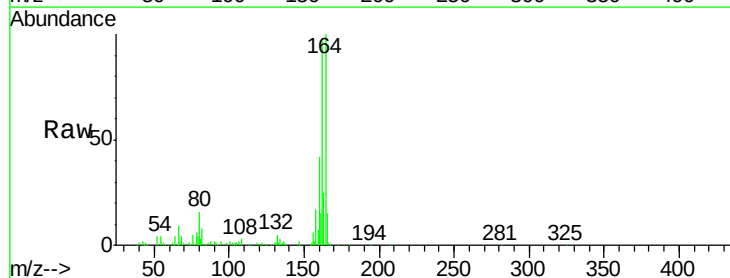
Instrument :
BNA_G
ClientSampleId :
OR-01-071918

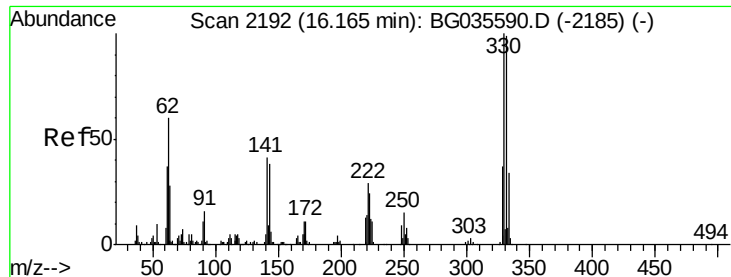
Tgt Ion:128 Resp: 18308
Ion Ratio Lower Upper
128 100
129 15.7 8.6 12.8#
127 12.3 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

Tgt Ion:164 Resp: 110344
Ion Ratio Lower Upper
164 100
162 96.7 78.8 118.2
160 42.1 35.4 53.0

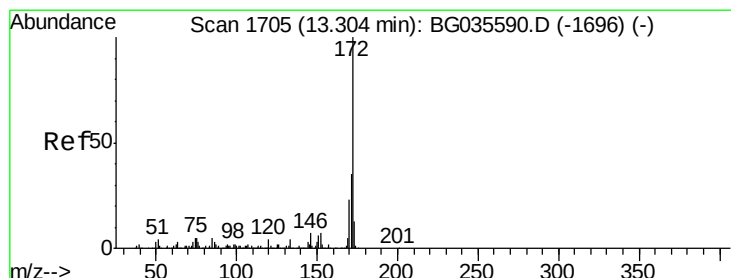
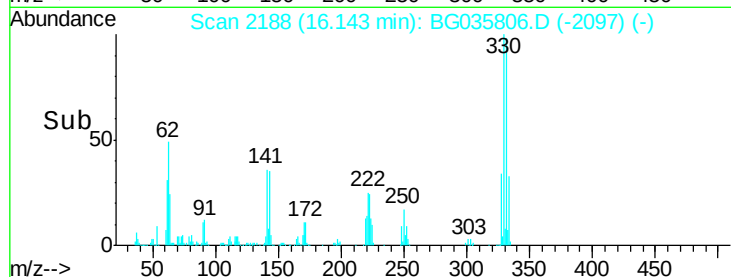
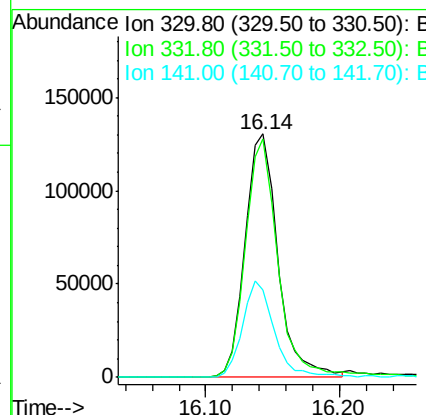
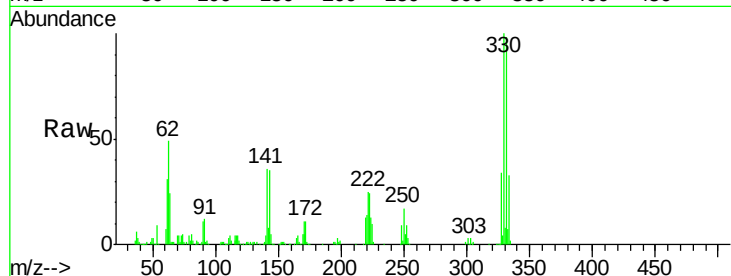




#41
 2,4,6-Tribromophenol
 Concen: 152.125 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: BG035806.D
 Acq: 21 Jul 2018 5:51

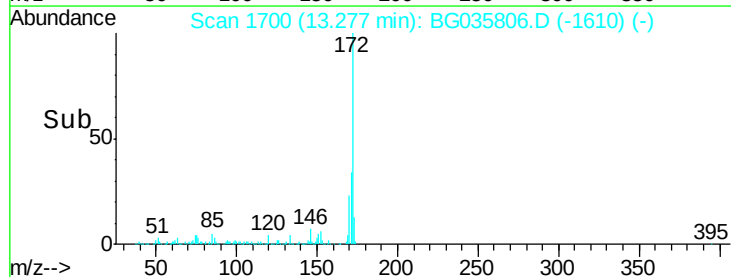
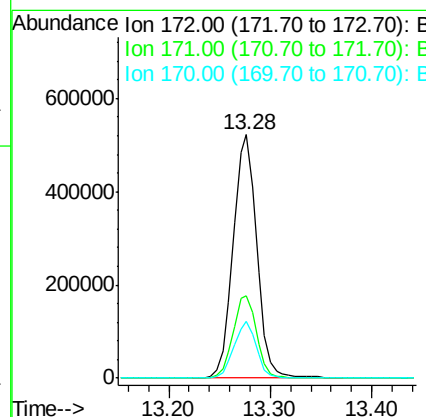
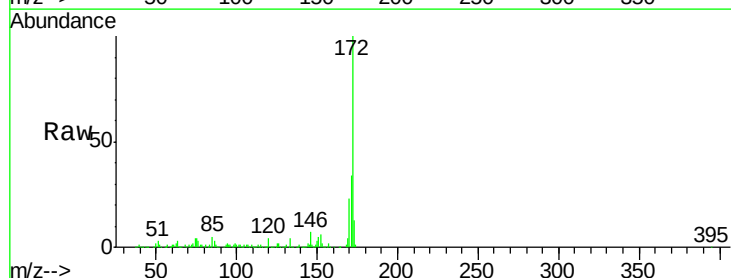
Instrument :
 BNA_G
 ClientSampleId :
 OR-01-071918

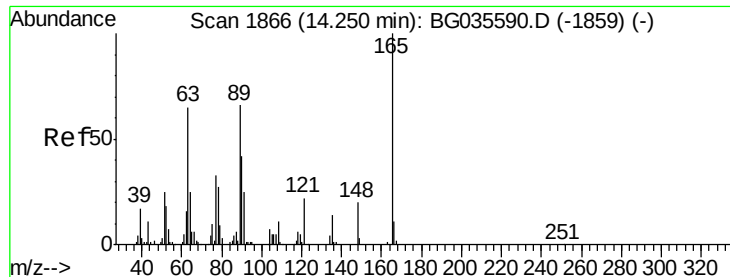
Tgt Ion:330 Resp: 221251
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 38.7 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 102.437 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035806.D
 Acq: 21 Jul 2018 5:51

Tgt Ion:172 Resp: 843692
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.0 45.0
 170 23.4 19.5 29.3

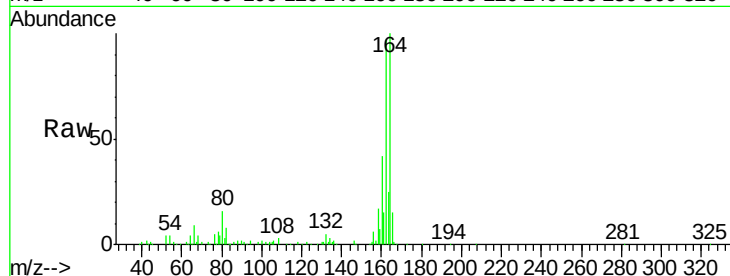




#50
2,6-Dinitrotoluene
Concen: 7.458 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.42 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

Instrument :
BNA_G
ClientSampleId :
OR-01-071918

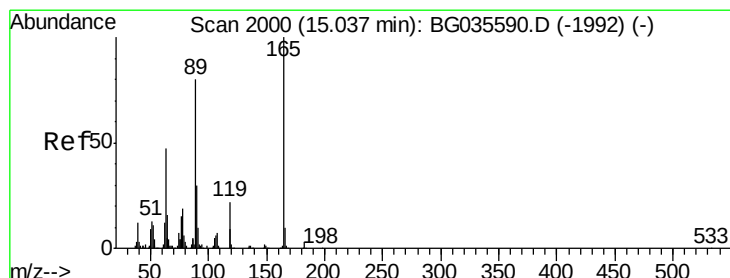
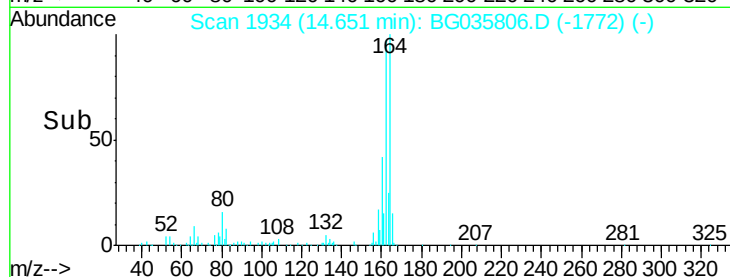
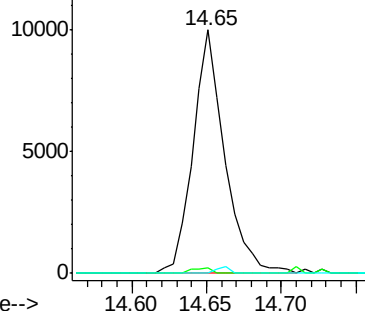
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	0.0	49.2	73.8#



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: 5.199 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.36 min
Lab File: BG035806.D
Acq: 21 Jul 2018 5:51

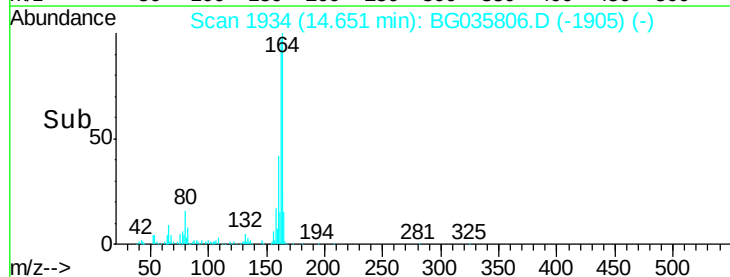
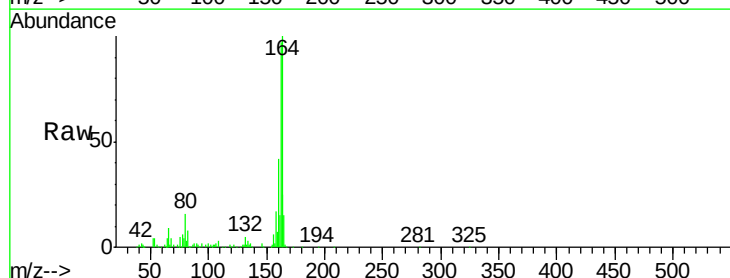
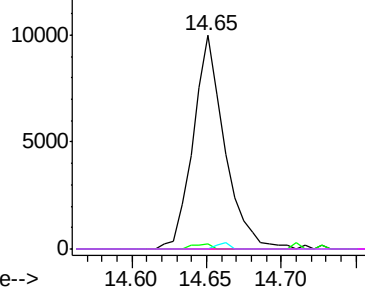
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

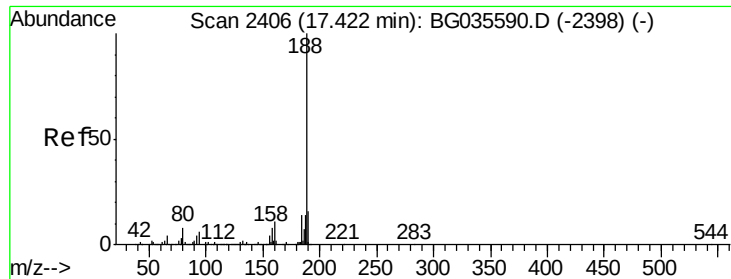
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

Instrument :

BNA_G

ClientSampleId :

OR-01-071918

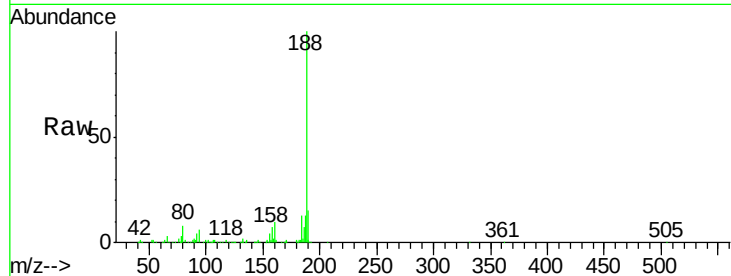
Tgt Ion:188 Resp: 296207

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

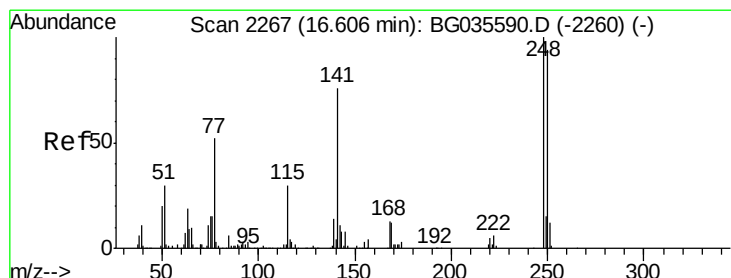
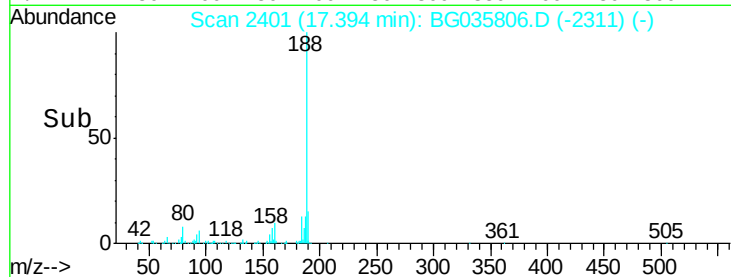
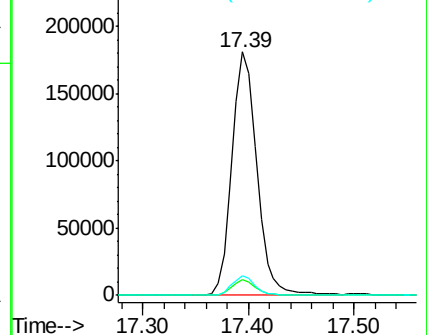
80 8.2 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 5.333 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.44 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

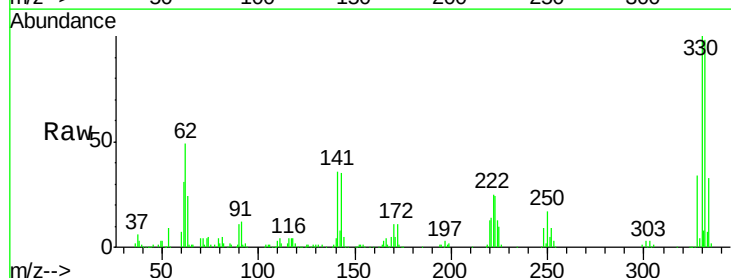
Tgt Ion:248 Resp: 18326

Ion Ratio Lower Upper

248 100

250 201.0 77.1 115.7#

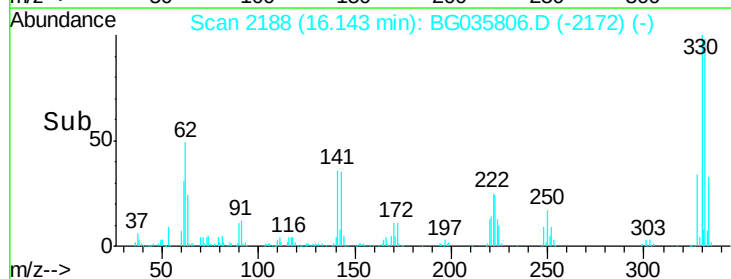
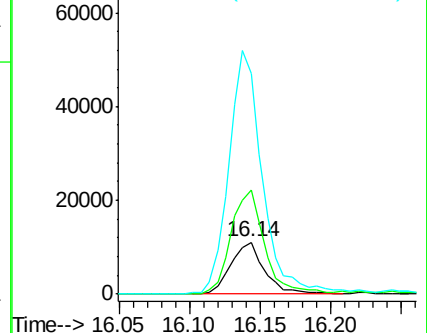
141 425.1 50.8 76.2#

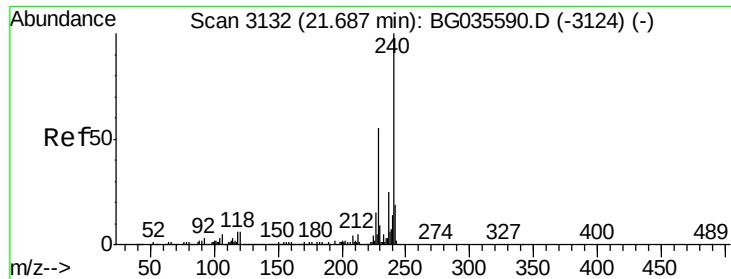


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

Instrument :

BNA_G

ClientSampleId :

OR-01-071918

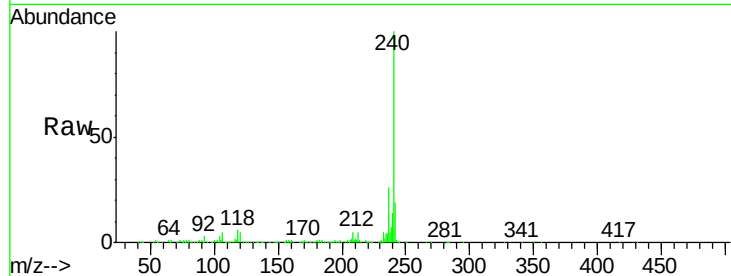
Tgt Ion:240 Resp: 324758

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

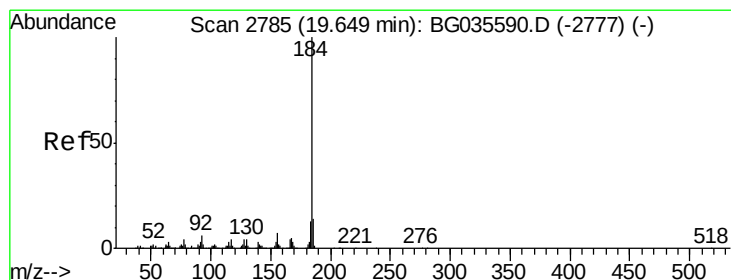
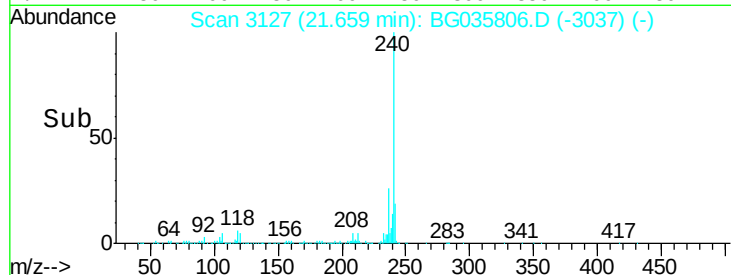
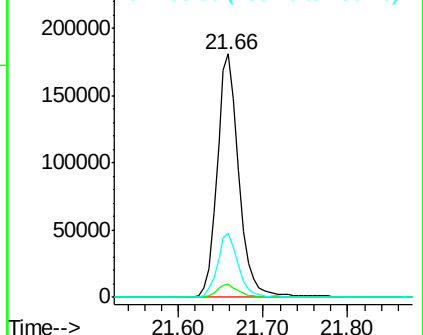
236 26.2 20.9 31.3



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: 3.353 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

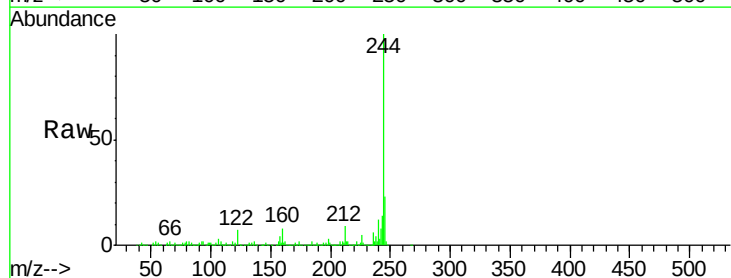
Tgt Ion:184 Resp: 28627

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

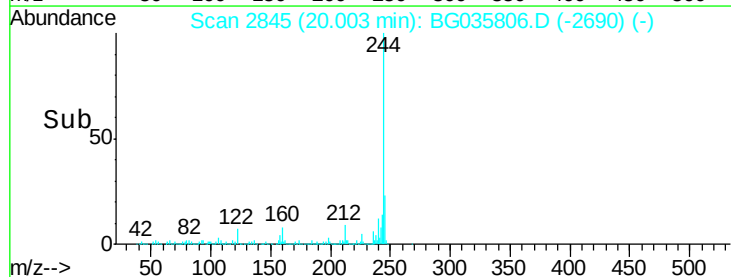
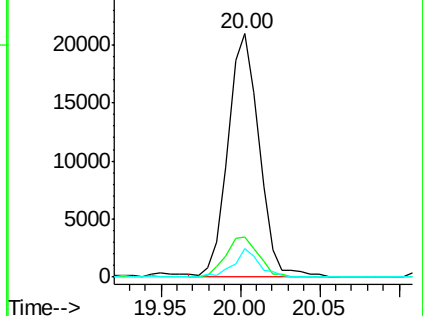
183 11.7 10.6 16.0

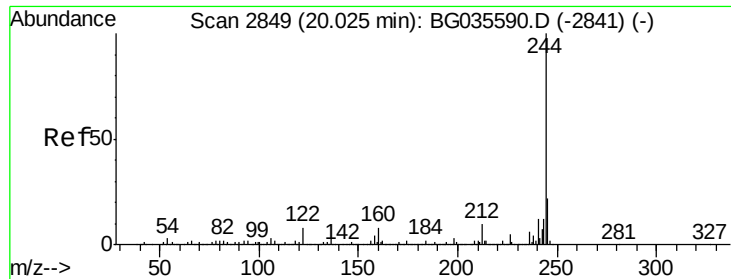


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.881 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

Instrument :

BNA_G

ClientSampleId :

OR-01-071918

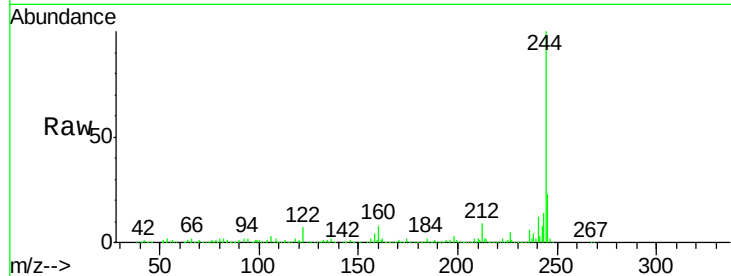
Tgt Ion:244 Resp: 1559944

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

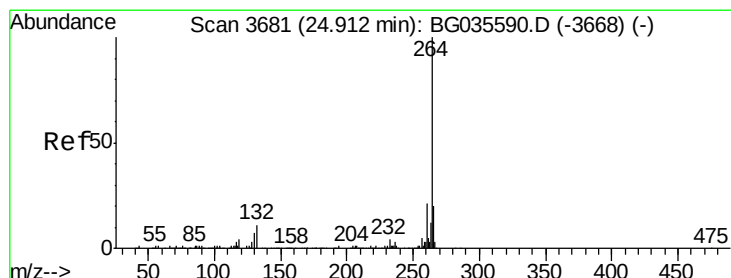
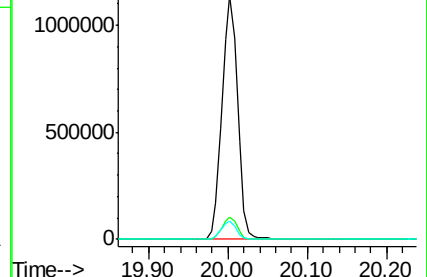
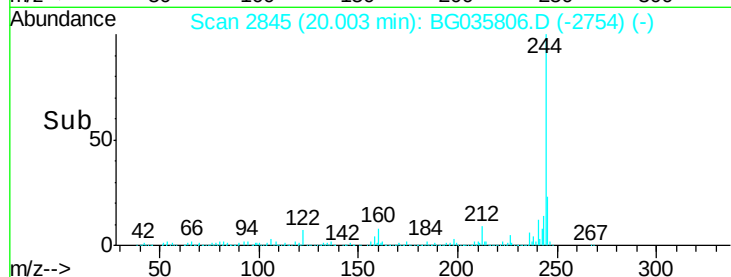
122 7.5 7.0 10.4



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: 24.86 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BG035806.D

Acq: 21 Jul 2018 5:51

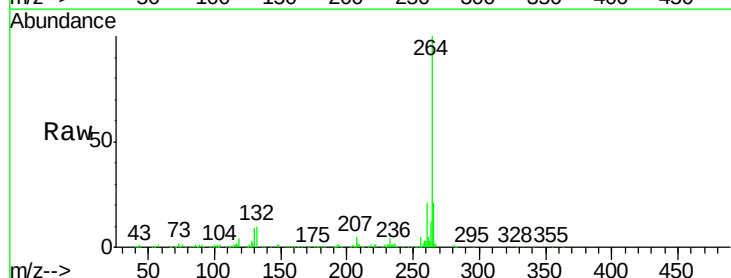
Tgt Ion:264 Resp: 299322

Ion Ratio Lower Upper

264 100

260 20.5 17.4 26.0

265 21.3 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

