

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091018\
 Data File : BG036628.D
 Acq On : 10 Sep 2018 17:06
 Operator : JU/SJ
 Sample : J4830-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 18:14:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

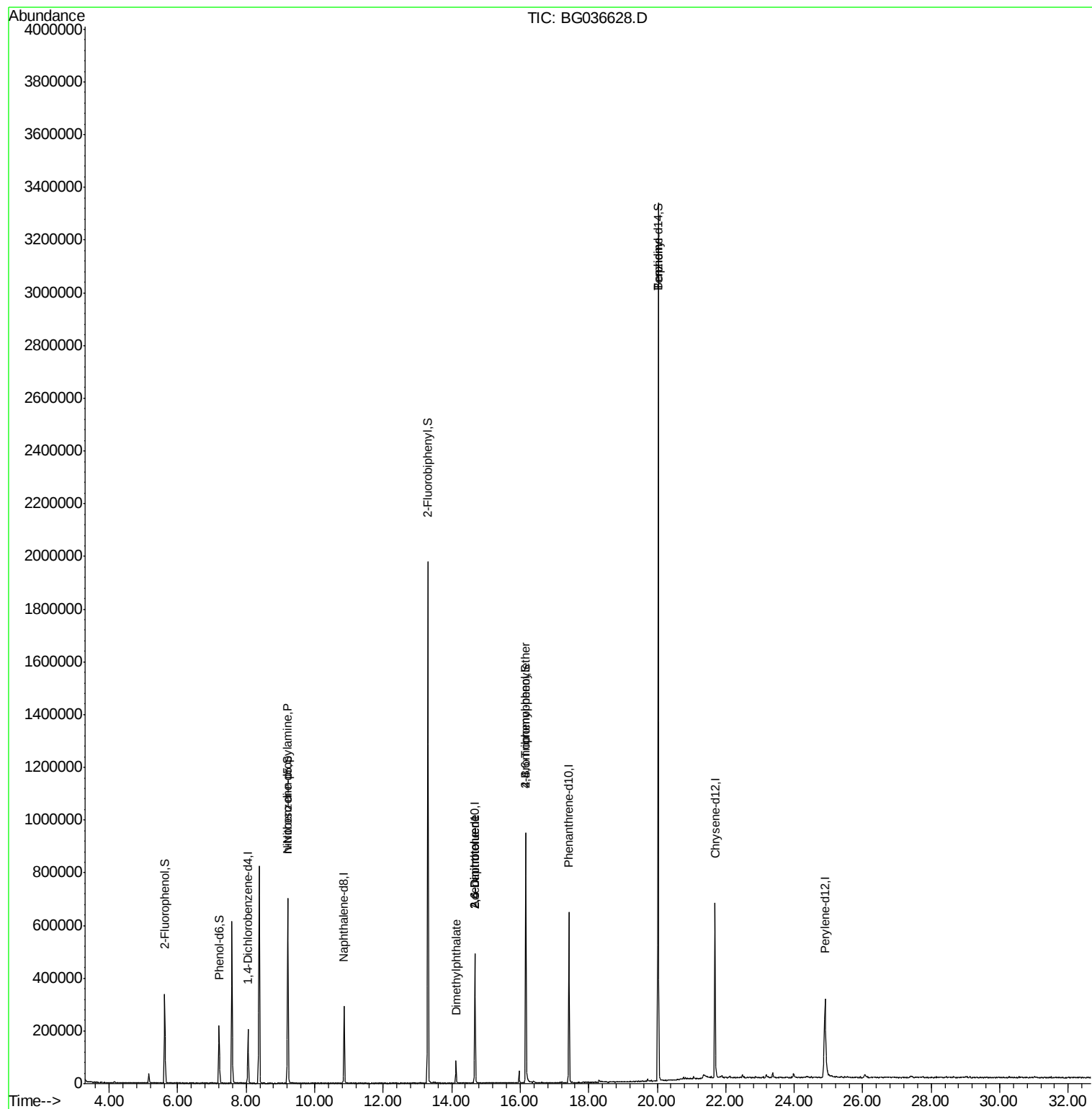
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	57574	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	250294	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	168363	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	414459	20.00	ng	0.00
75) Chrysene-d12	21.69	240	418503	20.00	ng	0.00
86) Perylene-d12	24.90	264	389591	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	144340	39.77	ng	0.00
7) Phenol-d6	7.21	99	129641	24.95	ng	0.00
23) Nitrobenzene-d5	9.21	82	429532	93.11	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	179093	89.15	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1048792	88.94	ng	0.00
78) Terphenyl-d14	20.03	244	1561321	87.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	58178	14.980	ng	# 72
49) Dimethylphthalate	14.12	163	55970	4.071	ng	# 93
50) 2,6-Dinitrotoluene	14.68	165	22825	8.068	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	22825	6.191	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	12679	2.613	ng	# 1
76) Benzidine	20.03	184	27497	2.059	ng	# 93

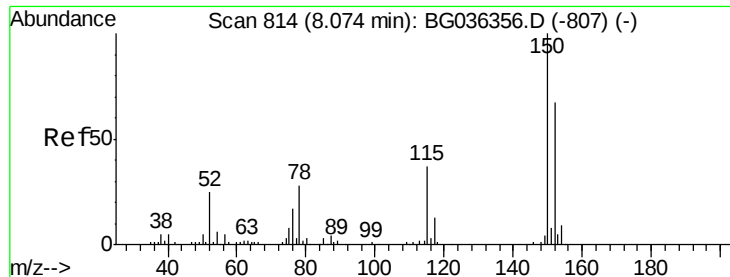
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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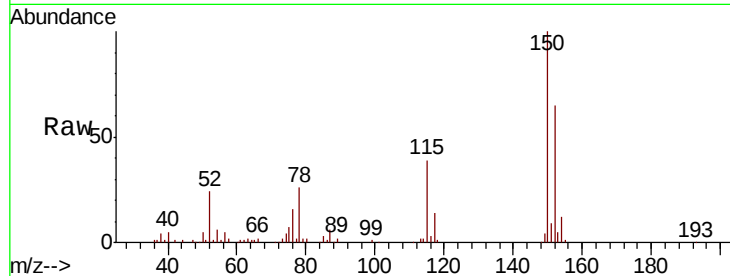


#1

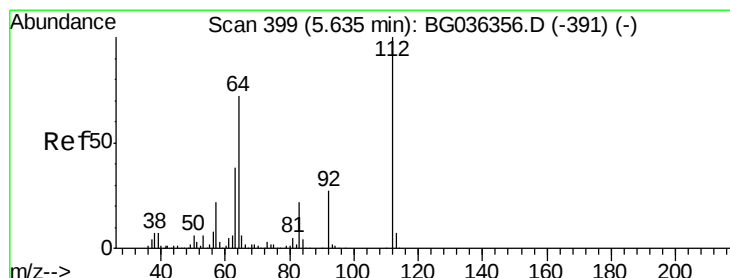
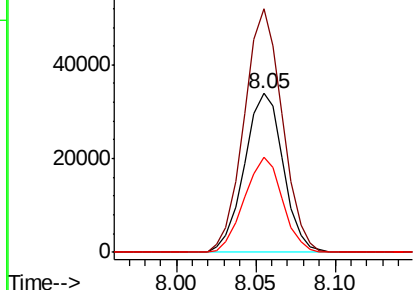
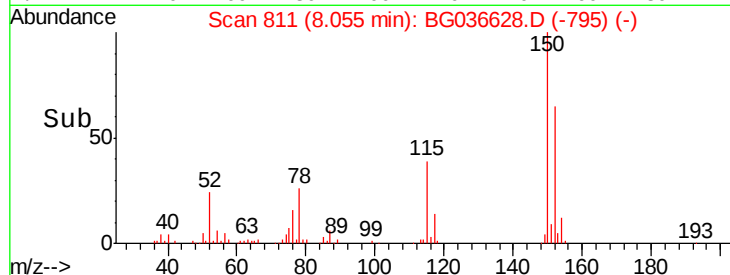
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 57574
Ion Ratio Lower Upper
152 100
150 153.1 119.5 179.3
115 60.0 44.5 66.7



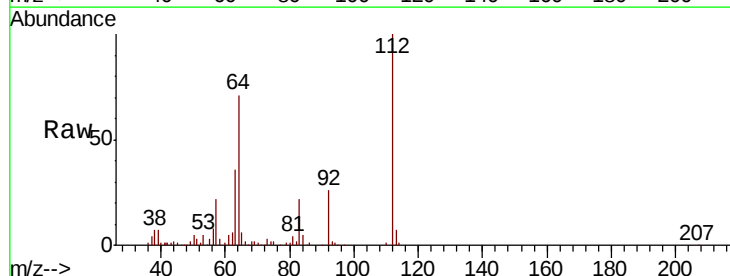
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



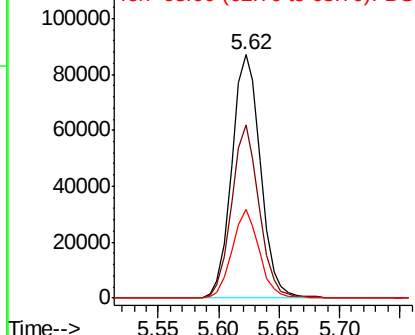
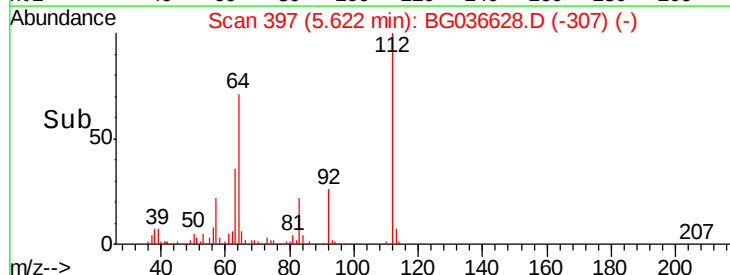
#5

2-Fluorophenol
Concen: 39.769 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Tgt Ion:112 Resp: 144340
Ion Ratio Lower Upper
112 100
64 71.2 57.2 85.8
63 36.2 30.8 46.2



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: 24.948 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

Instrument :

BNA_E

ClientSampled :

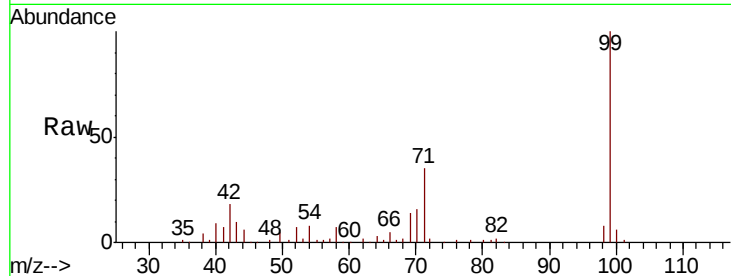
Tot Ion: 99 Resp: 129641

Ion Ratio Lower Upper

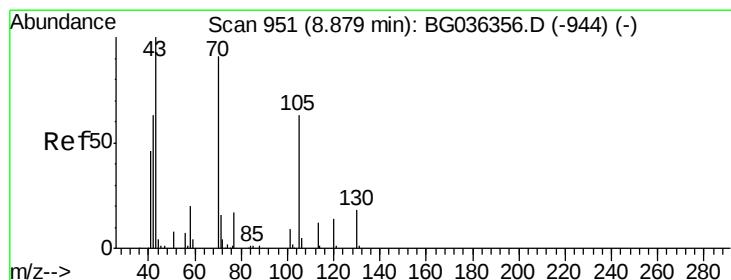
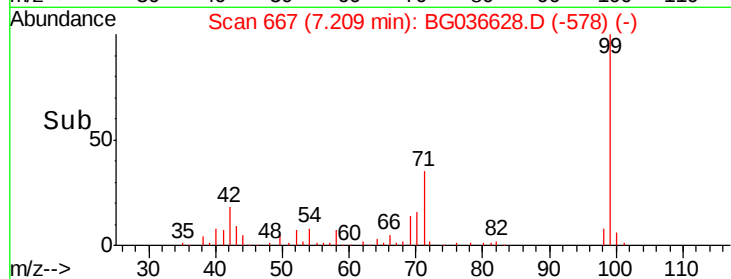
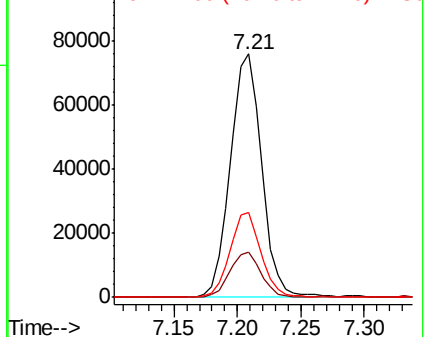
99 100

42 18.5 16.5 24.7

71 34.7 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.980 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

Tgt Ion: 70 Resp: 58178

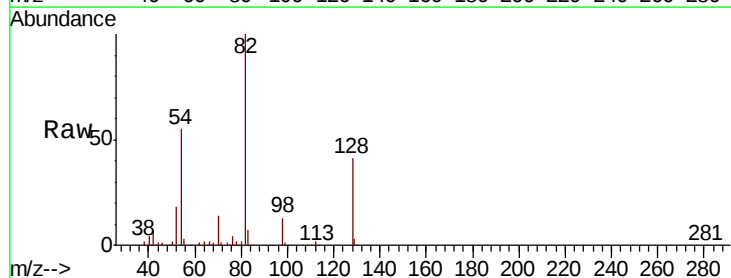
Ion Ratio Lower Upper

70 100

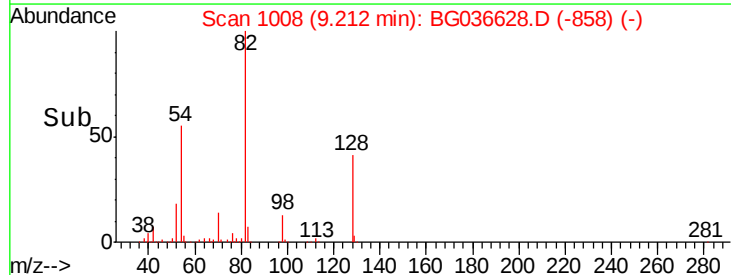
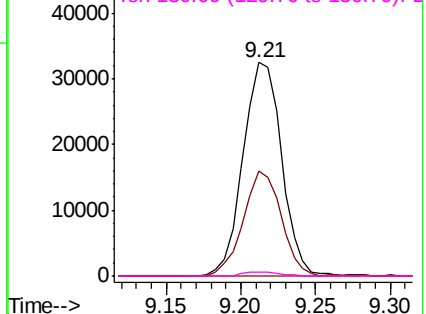
42 49.3 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

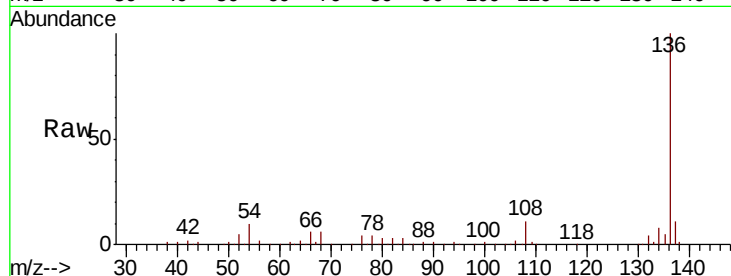




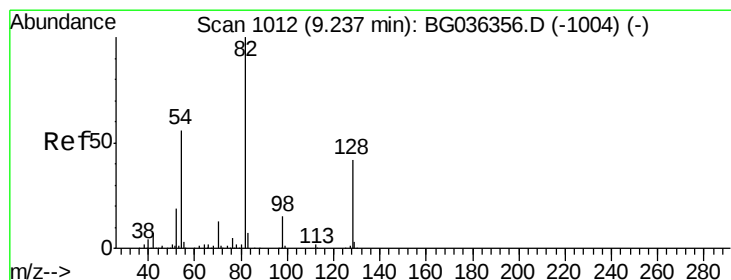
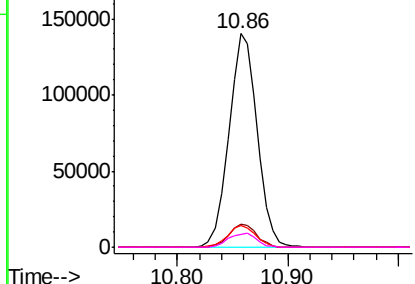
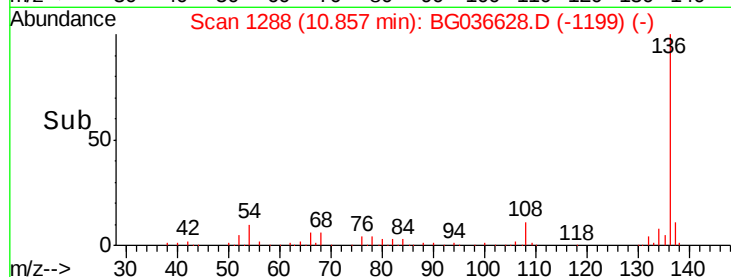
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	250294
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	10.0	9.2 13.8
68	5.8	5.8 8.6

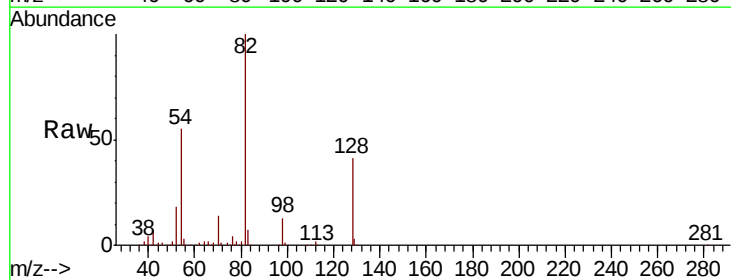


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

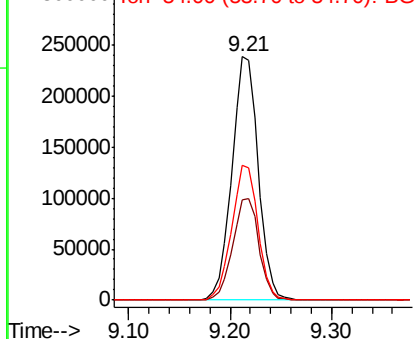
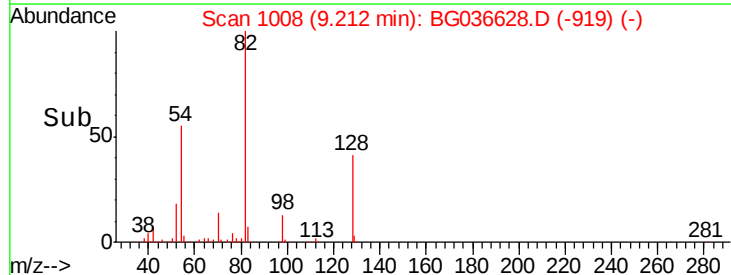


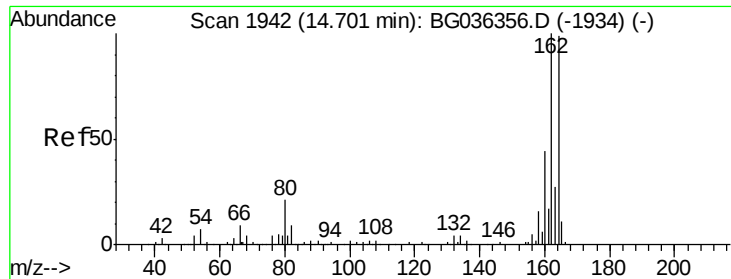
#23
Nitrobenzene-d5
Concen: 93.110 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Tgt Ion: 82	Resp:	429532
Ion	Ratio	Lower Upper
82	100	
128	41.1	33.3 49.9
54	55.3	45.1 67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

Instrument :

BNA_E

ClientSampleId :

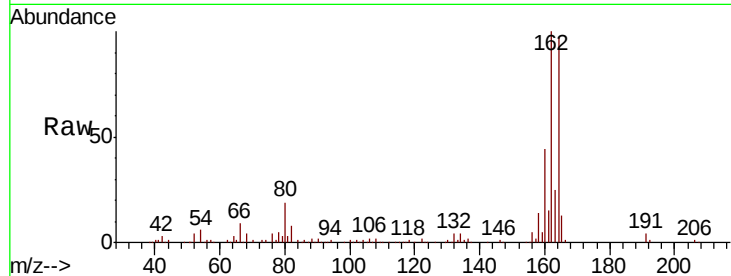
Tot Ion:164 Resp: 168363

Ion Ratio Lower Upper

164 100

162 103.1 80.7 121.1

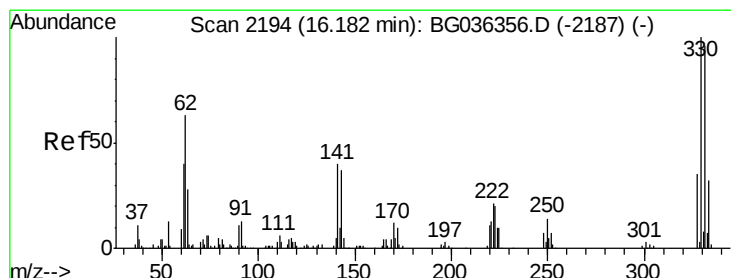
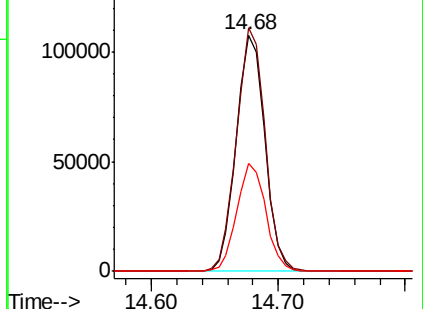
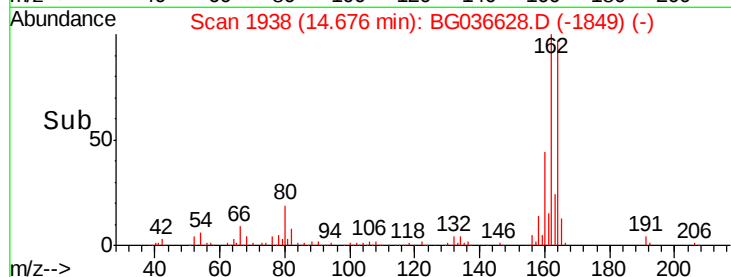
160 45.5 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 89.148 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

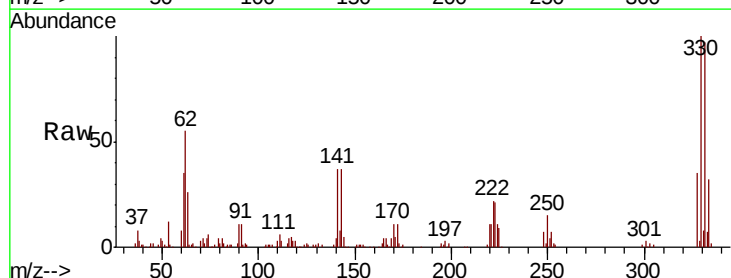
Tgt Ion:330 Resp: 179093

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.2

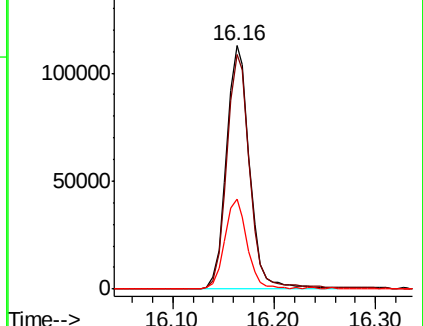
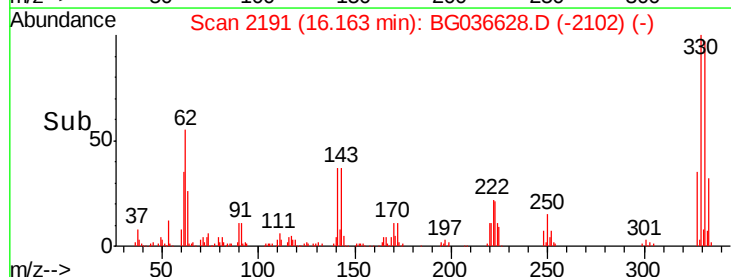
141 35.9 30.7 46.1

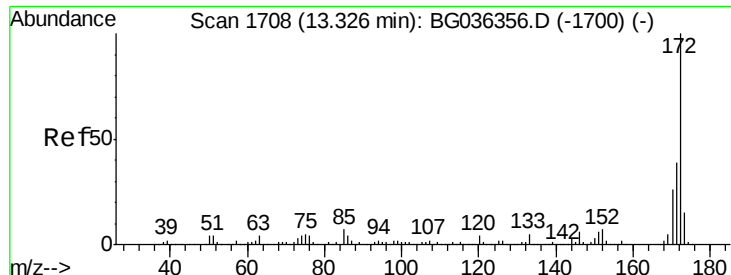


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

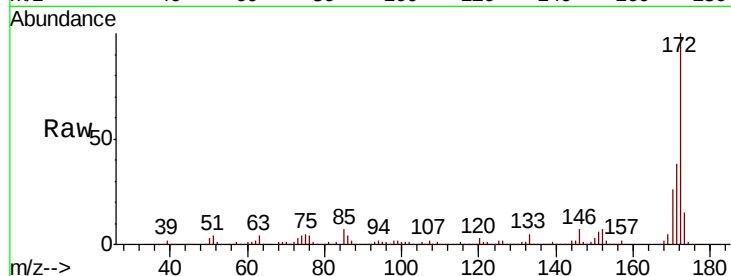




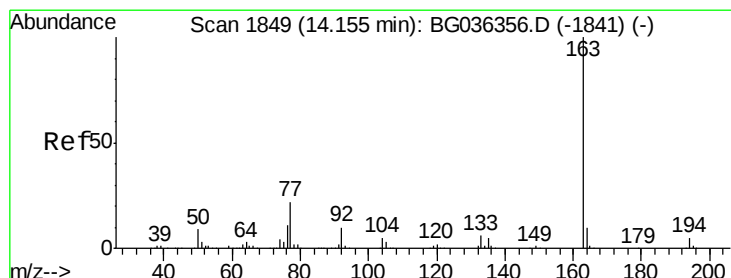
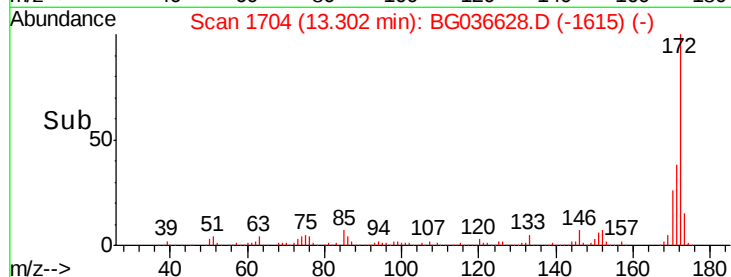
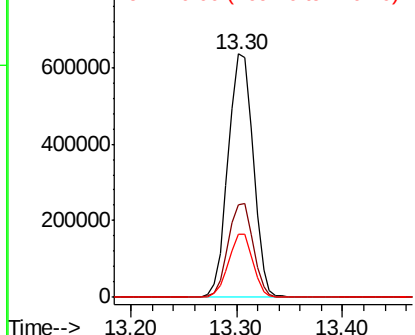
#44
2-Fluorobiphenyl
Concen: 88.944 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 1048792
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 25.8 21.0 31.6

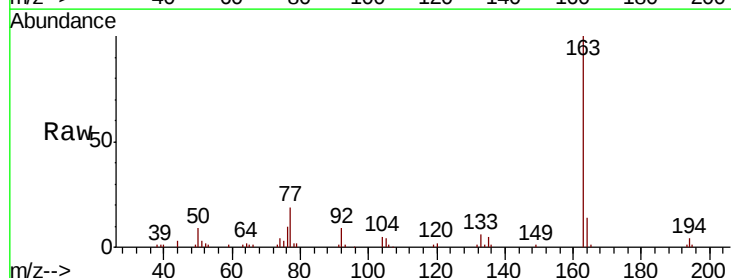


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

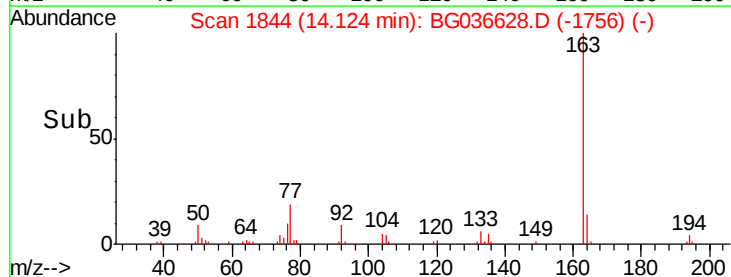
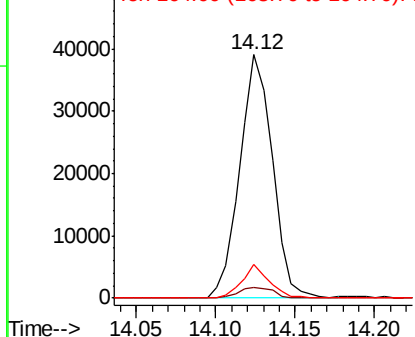


#49
Dimethylphthalate
Concen: 4.071 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Tgt Ion:163 Resp: 55970
Ion Ratio Lower Upper
163 100
194 4.2 4.0 6.0
164 13.7 8.1 12.1#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

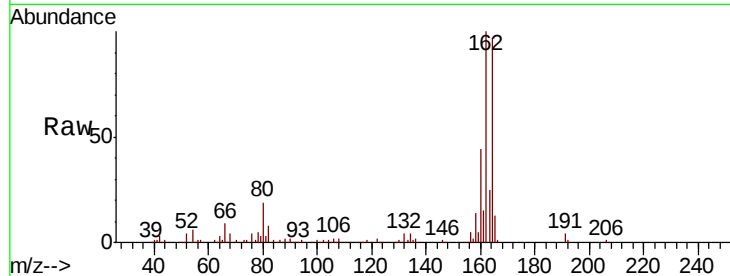




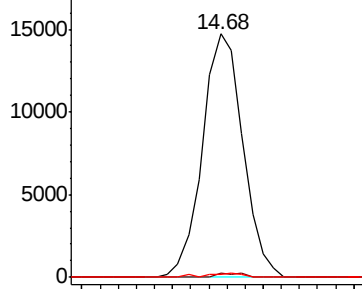
#50
2,6-Dinitrotoluene
Concen: 8.068 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

Instrument :
BNA_E
ClientSampleId :

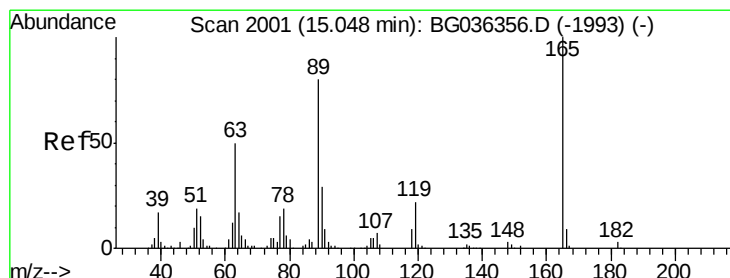
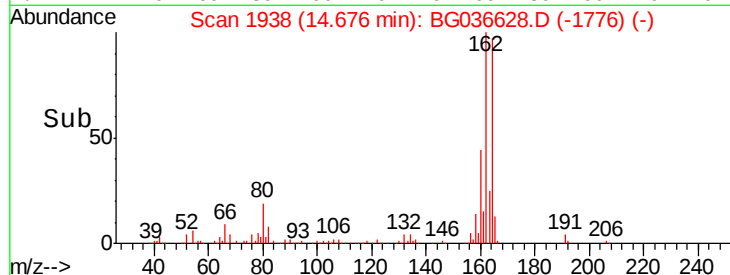
Tot Ion:165 Resp: 22825
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 1.5 47.8 71.6#



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

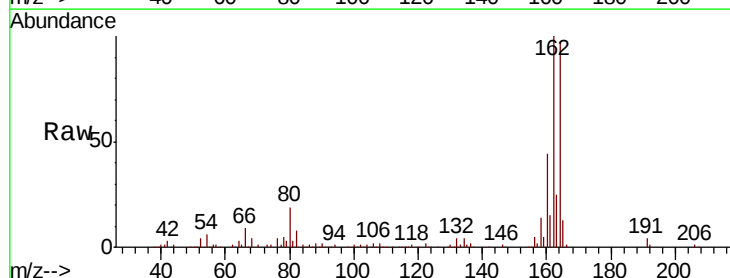


Time--> 14.60 14.65 14.70

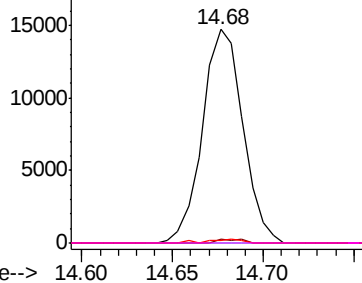


#56
2,4-Dinitrotoluene
Concen: 6.191 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036628.D
Acq: 10 Sep 2018 17:06

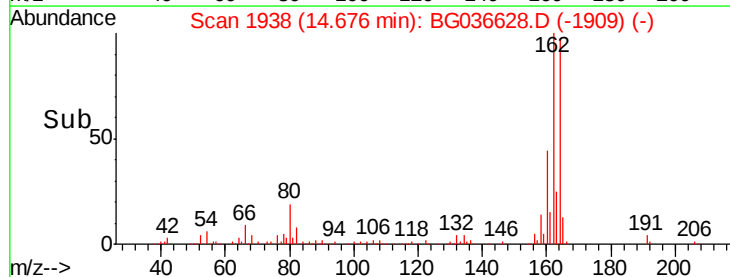
Tgt Ion:165 Resp: 22825
Ion Ratio Lower Upper
165 100
63 1.5 40.1 60.1#
89 1.5 63.7 95.5#
182 0.0 2.5 3.7#

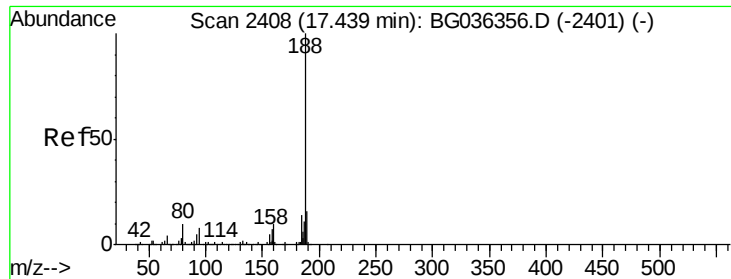


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time--> 14.60 14.65 14.70





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

Instrument :

BNA_E

ClientSampleId :

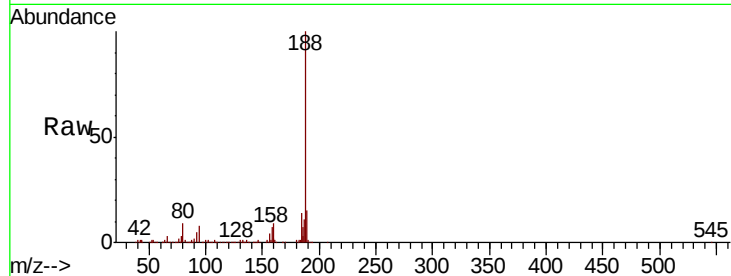
Tot Ion:188 Resp: 414459

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

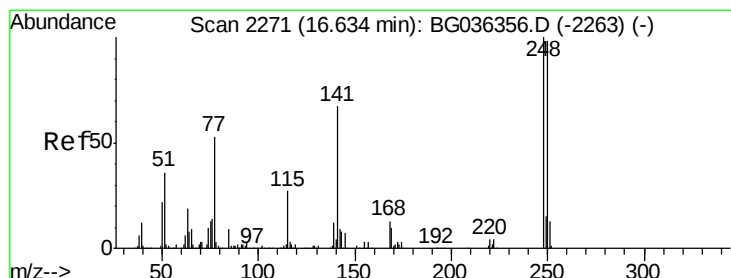
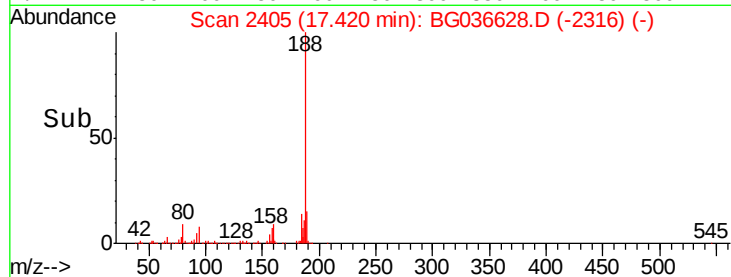
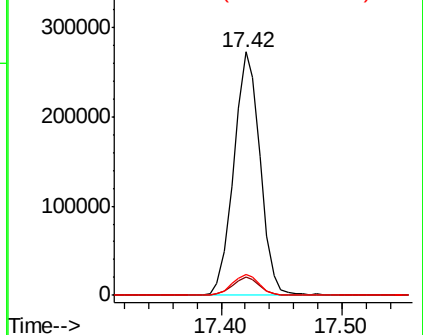
80 8.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 2.613 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.46 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

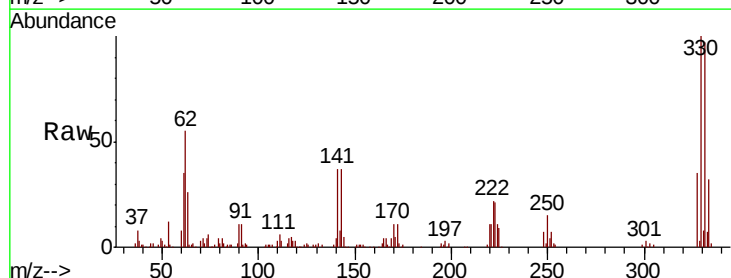
Tgt Ion:248 Resp: 12679

Ion Ratio Lower Upper

248 100

250 193.9 78.1 117.1#

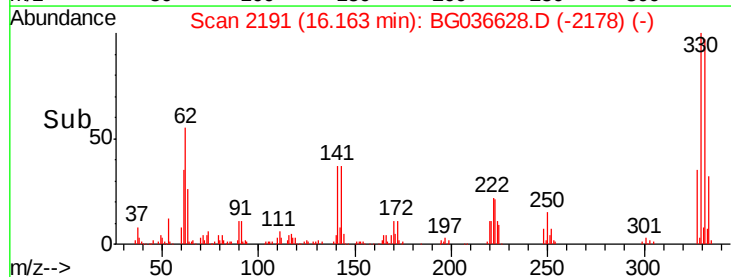
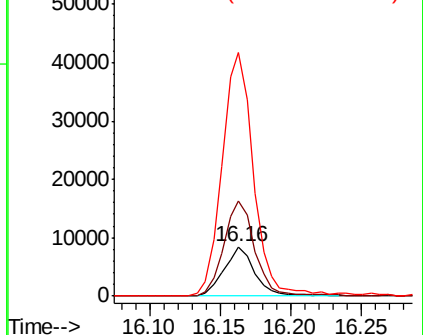
141 494.6 53.7 80.5#

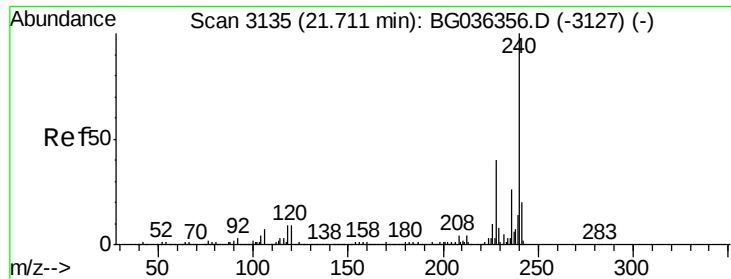


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

Instrument :

BNA_E

ClientSampleId :

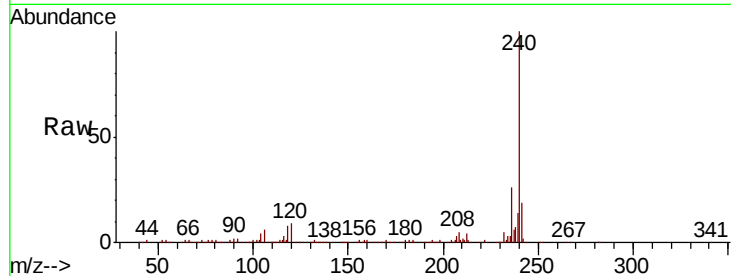
Tot Ion:240 Resp: 418503

Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

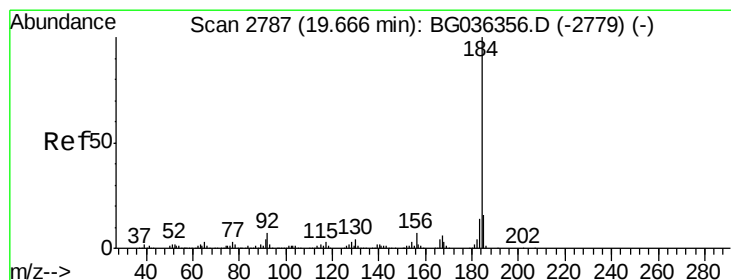
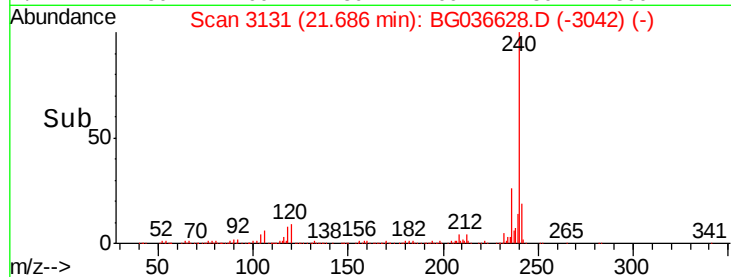
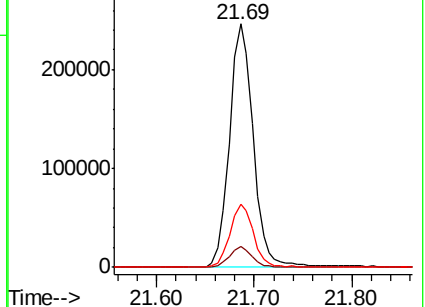
236 26.1 21.2 31.8



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: 2.059 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

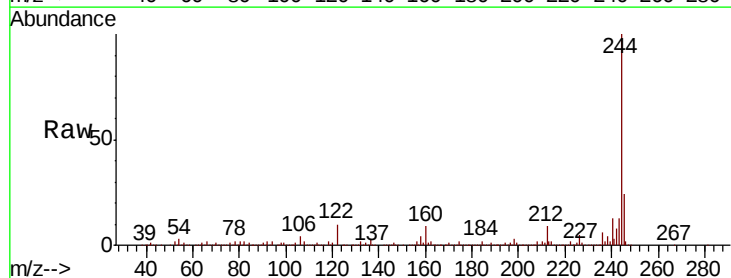
Tgt Ion:184 Resp: 27497

Ion Ratio Lower Upper

184 100

185 17.5 12.6 18.8

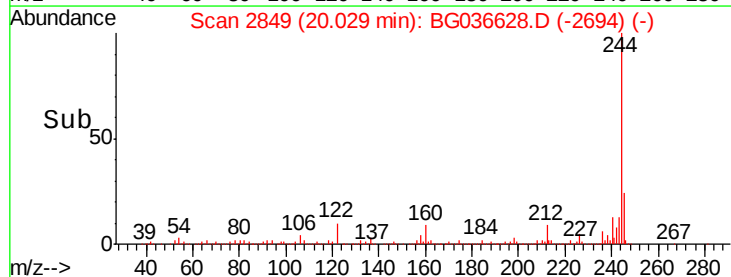
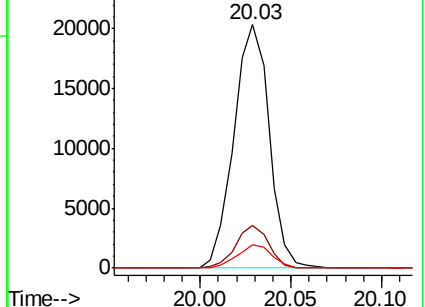
183 9.6 10.9 16.3#

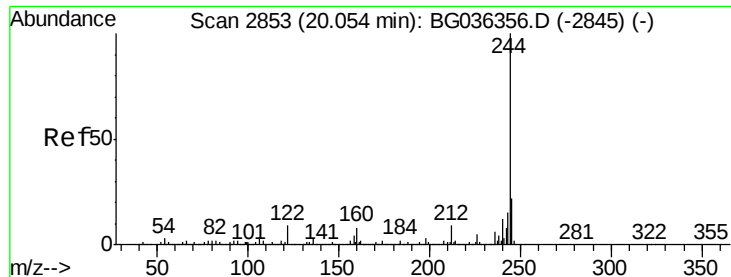


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.200 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

Instrument :

BNA_E

ClientSampled :

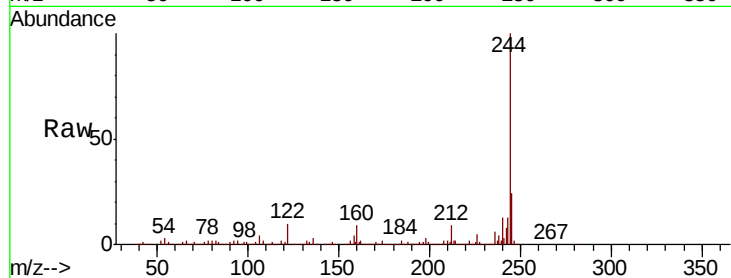
Tot Ion:244 Resp: 1561321

Ion Ratio Lower Upper

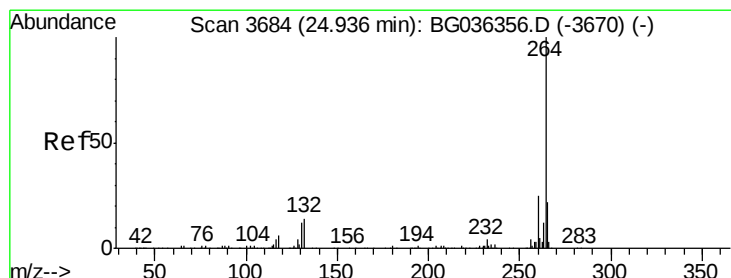
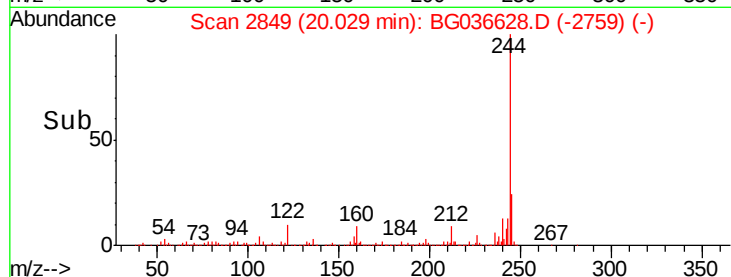
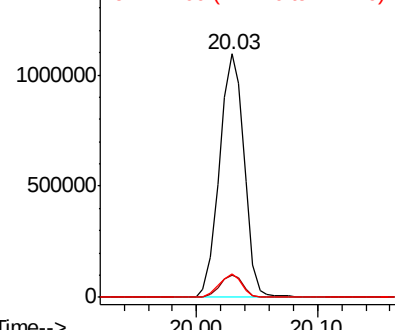
244 100

212 9.1 7.0 10.6

122 9.6 7.1 10.7



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: 24.90 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG036628.D

Acq: 10 Sep 2018 17:06

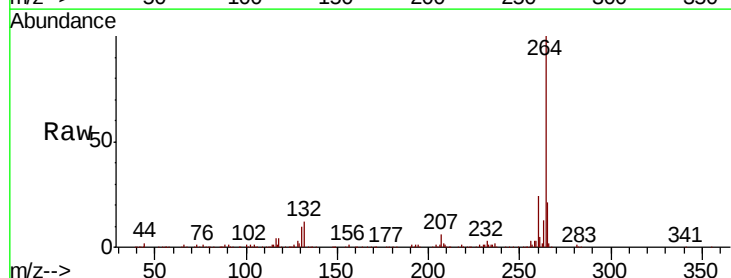
Tgt Ion:264 Resp: 389591

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 21.4 17.4 26.0



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

