

Data File : BG036619.D
Acq On : 8 Sep 2018 6:02
Operator : JU/SJ
Sample : J4775-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-090618-B

Quant Time: Sep 08 06:45:44 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

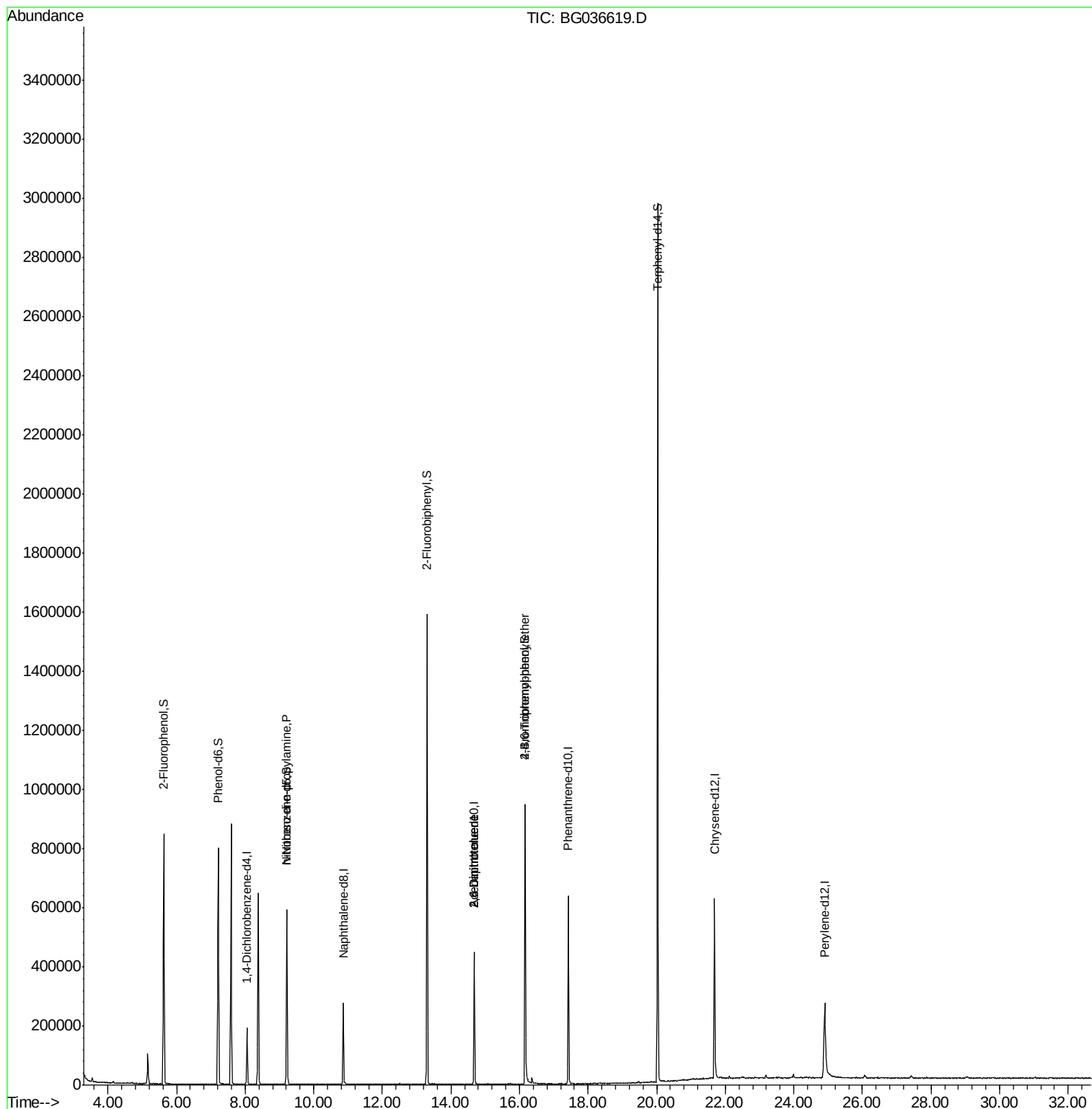
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	54063	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	228055	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	156910	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	394328	20.00	ng	0.00
75) Chrysene-d12	21.69	240	415437	20.00	ng	0.00
86) Perylene-d12	24.90	264	362619	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	347359	101.92	ng	0.00
7) Phenol-d6	7.21	99	461301	94.54	ng	0.00
23) Nitrobenzene-d5	9.22	82	355320	84.53	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	188227	100.53	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	835303	76.01	ng	0.00
78) Terphenyl-d14	20.03	244	1424428	80.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	47446	13.010	ng	# 72
50) 2,6-Dinitrotoluene	14.68	165	20249	7.680	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	20249	5.893	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	13401	2.903	ng	# 1

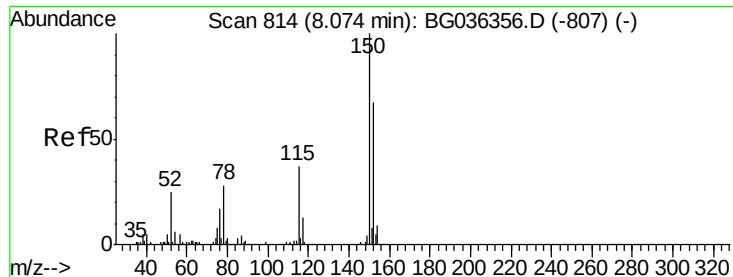
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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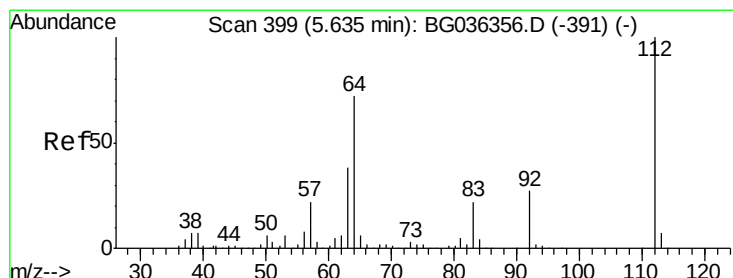
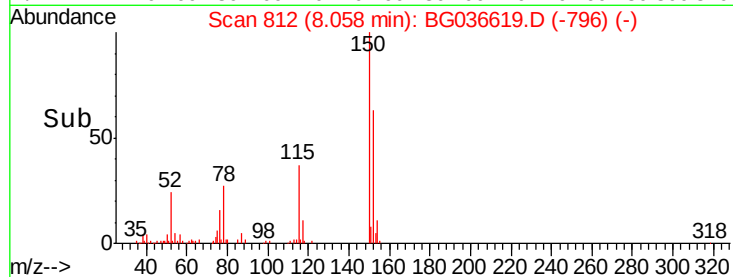
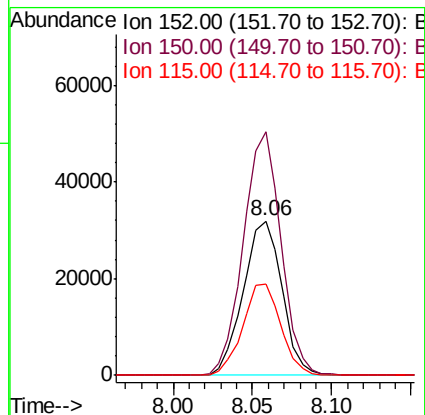
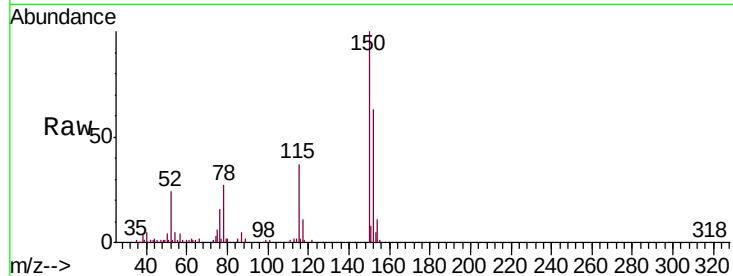


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.01 min
Lab File: BG036619.D
Acq: 8 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
OR-02-090618-B

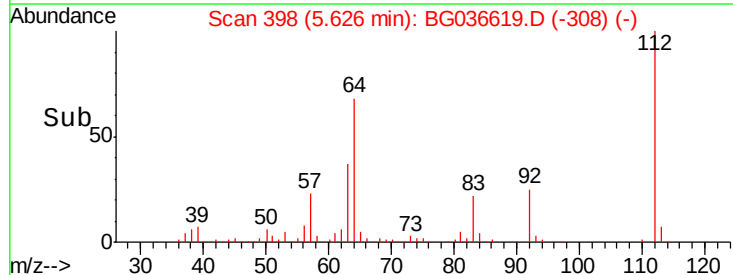
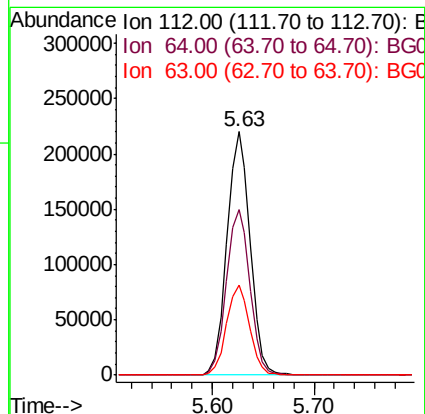
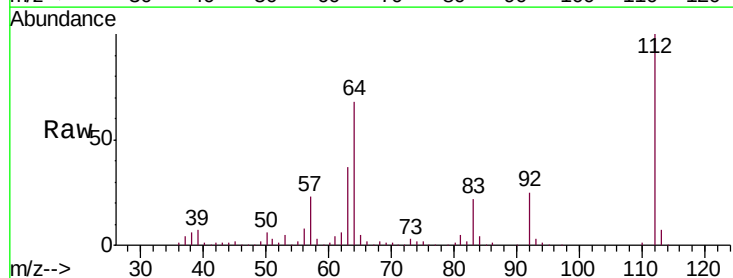
Tgt Ion:152 Resp: 54063
Ion Ratio Lower Upper
152 100
150 157.8 119.5 179.3
115 59.0 44.5 66.7

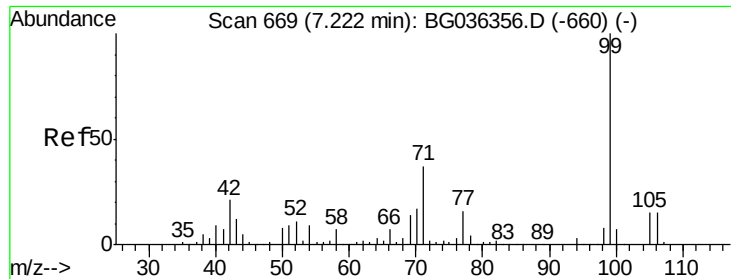


#5

2-Fluorophenol
Concen: 101.921 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036619.D
Acq: 8 Sep 2018 6:02

Tgt Ion:112 Resp: 347359
Ion Ratio Lower Upper
112 100
64 68.0 57.2 85.8
63 36.8 30.8 46.2





#7

Phenol-d6

Concen: 94.537 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036619.D

Acq: 8 Sep 2018 6:02

Instrument :

BNA_F

ClientSampled :

OR-02-090618-B

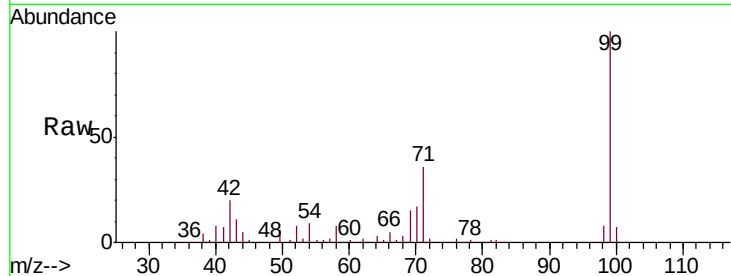
Tgt Ion: 99 Resp: 461301

Ion Ratio Lower Upper

99 100

42 20.2 16.5 24.7

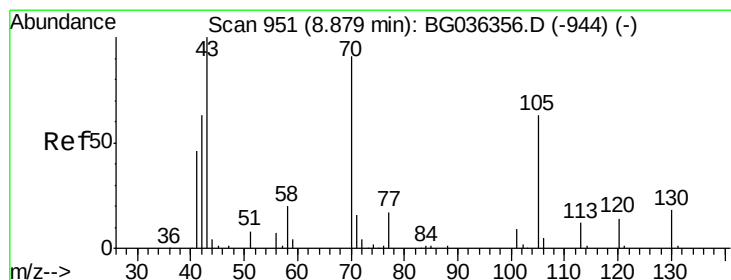
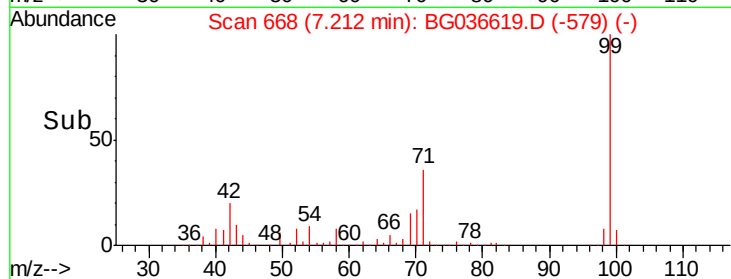
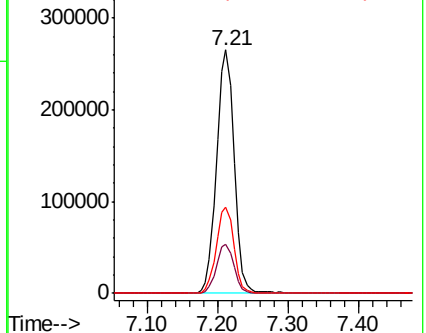
71 35.7 29.4 44.2



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: 13.010 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036619.D

Acq: 8 Sep 2018 6:02

Tgt Ion: 70 Resp: 47446

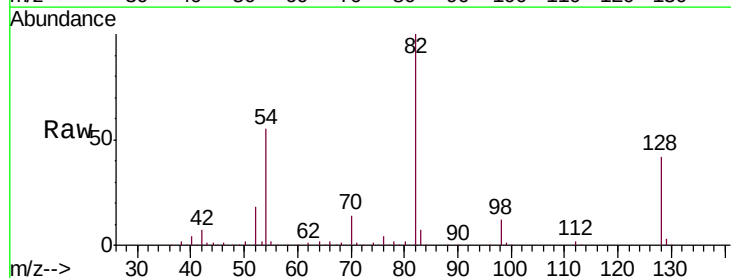
Ion Ratio Lower Upper

70 100

42 49.5 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

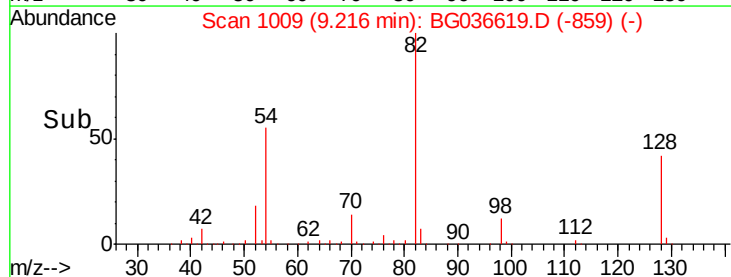
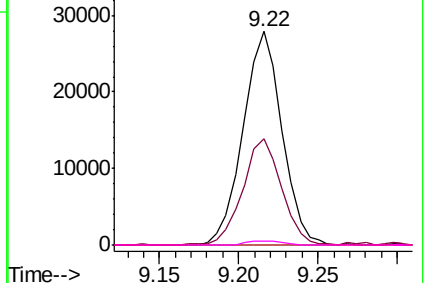


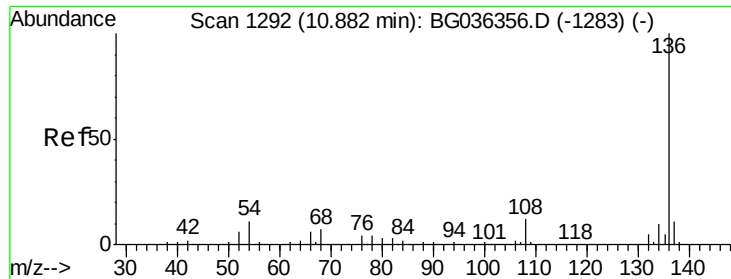
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

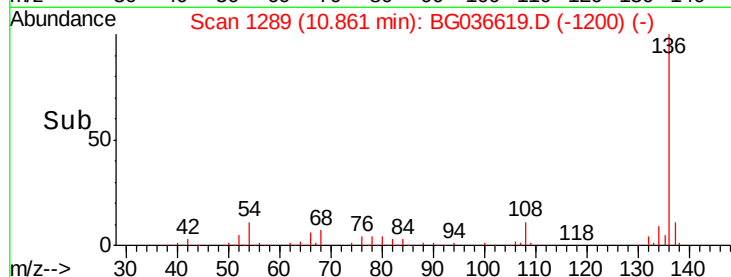
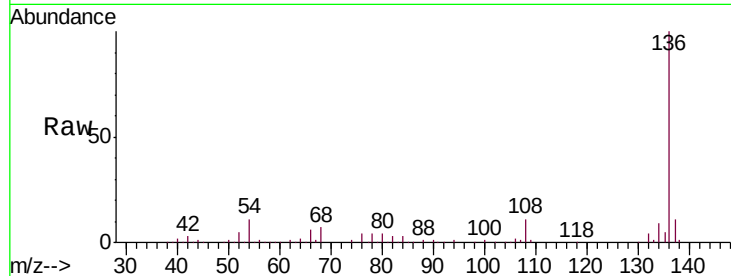




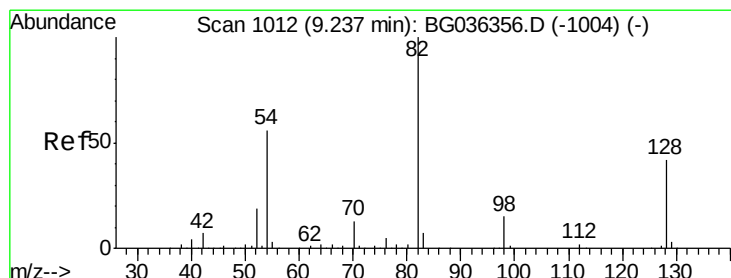
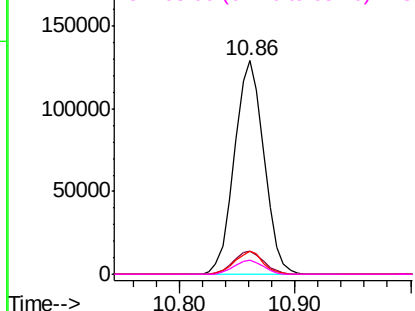
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG036619.D
Acq: 8 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
OR-02-090618-B

Tgt Ion:	136	Resp:	228055
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.5	9.2	13.8
68	6.6	5.8	8.6

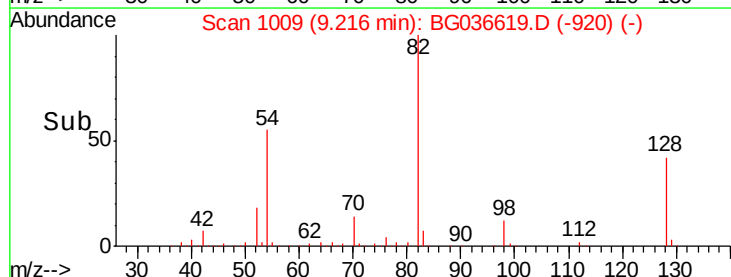
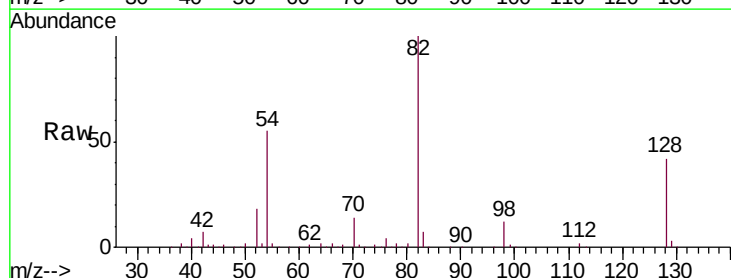


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

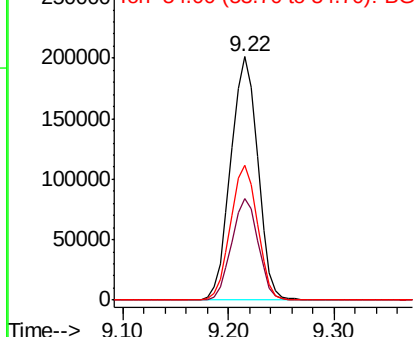


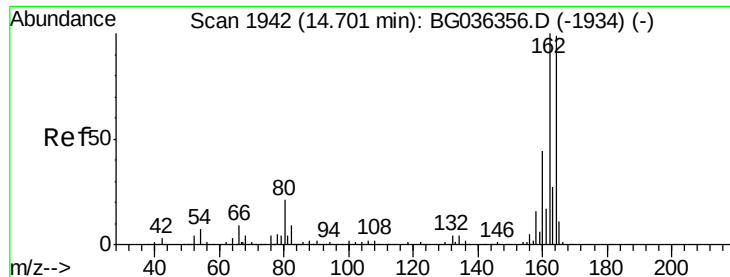
#23
Nitrobenzene-d5
Concen: 84.534 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG036619.D
Acq: 8 Sep 2018 6:02

Tgt Ion:	82	Resp:	355320
Ion	Ratio	Lower	Upper
82	100		
128	42.0	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# 1939

Delta R.T. -0.01 min

Lab File: BG036619.D

Acq: 8 Sep 2018 6:02

Instrument :

BNA_F

ClientSampleId :

OR-02-090618-B

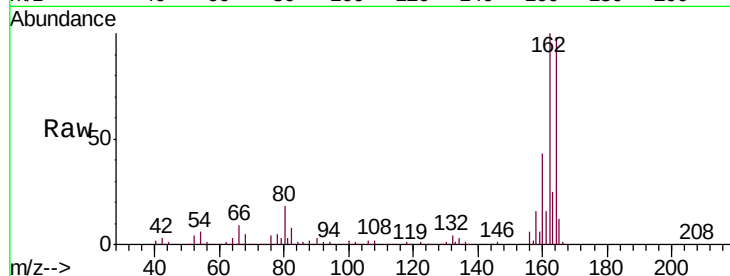
Tgt Ion:164 Resp: 156910

Ion Ratio Lower Upper

164 100

162 101.8 80.7 121.1

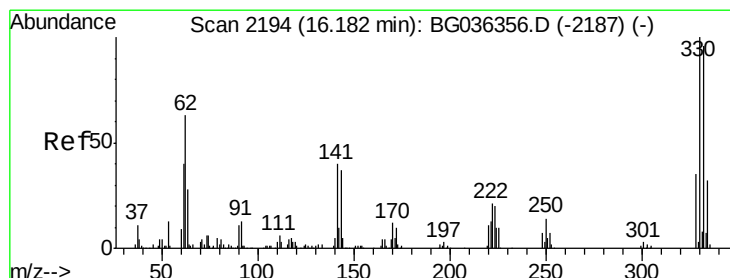
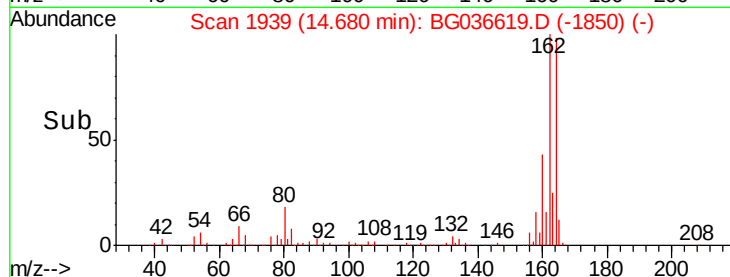
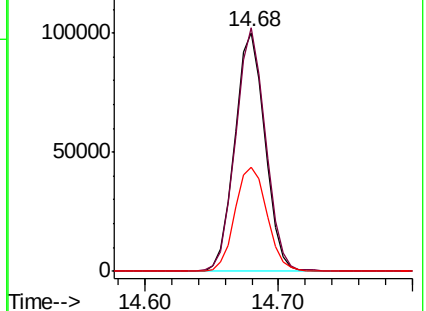
160 43.4 35.3 52.9



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: 100.533 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BG036619.D

Acq: 8 Sep 2018 6:02

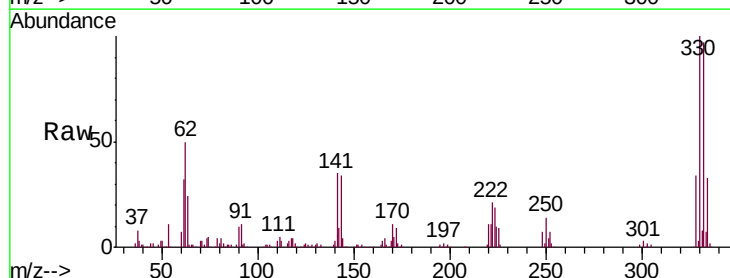
Tgt Ion:330 Resp: 188227

Ion Ratio Lower Upper

330 100

332 95.9 75.4 113.2

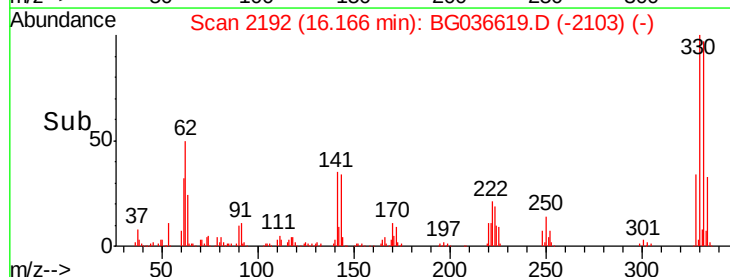
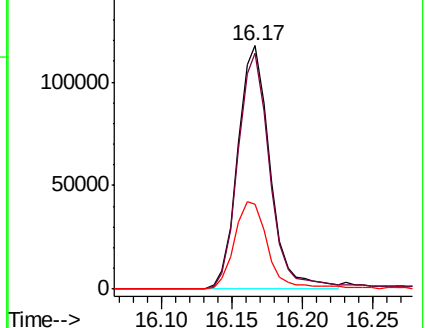
141 37.6 30.7 46.1

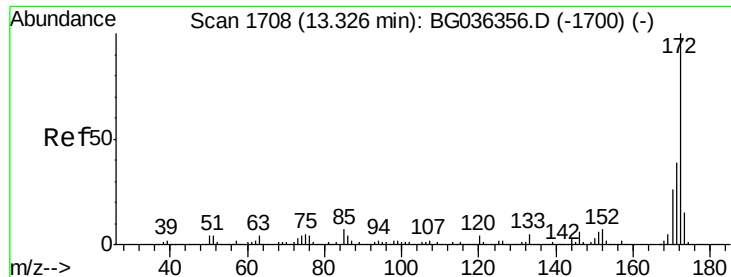


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

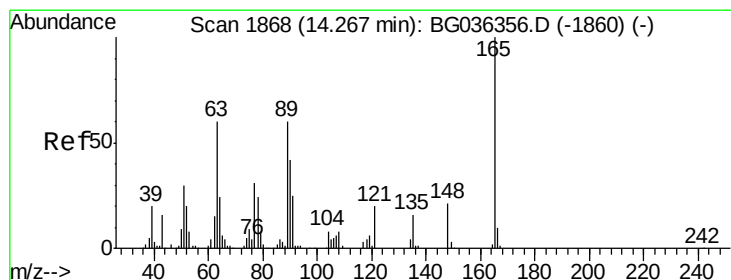
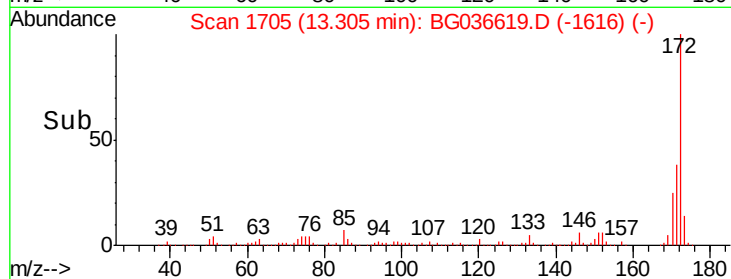
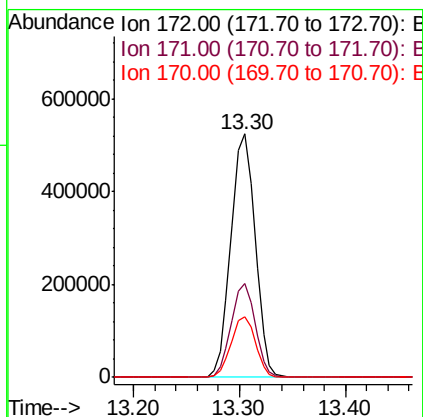
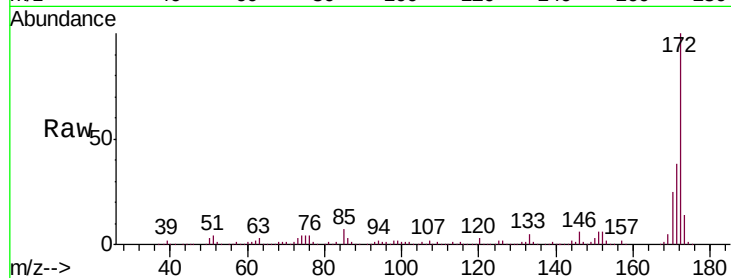




#44
 2-Fluorobiphenyl
 Concen: 76.009 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BG036619.D
 Acq: 8 Sep 2018 6:02

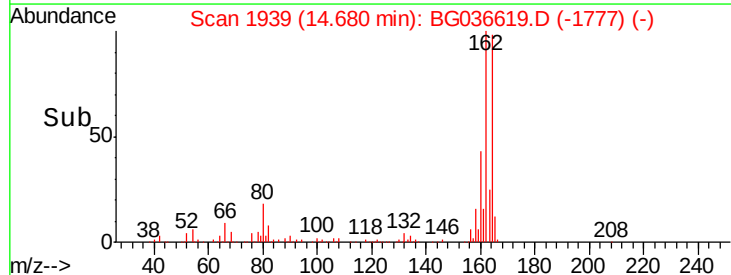
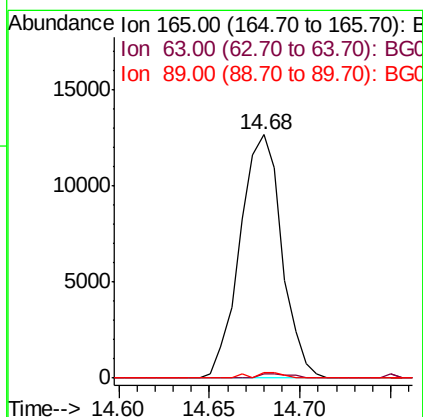
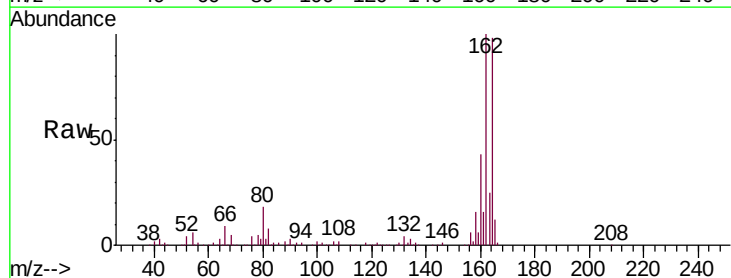
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-090618-B

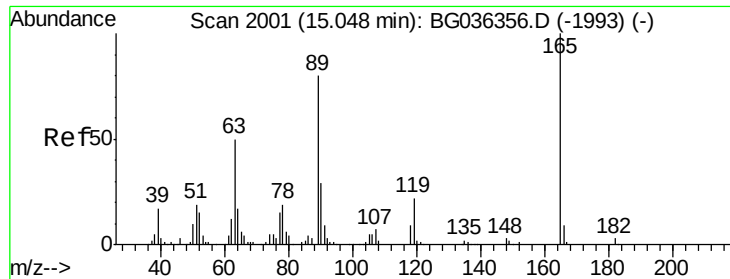
Tgt Ion:172 Resp: 835303
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.3 46.9
 170 25.1 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.680 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG036619.D
 Acq: 8 Sep 2018 6:02

Tgt Ion:165 Resp: 20249
 Ion Ratio Lower Upper
 165 100
 63 1.5 50.1 75.1#
 89 2.1 47.8 71.6#

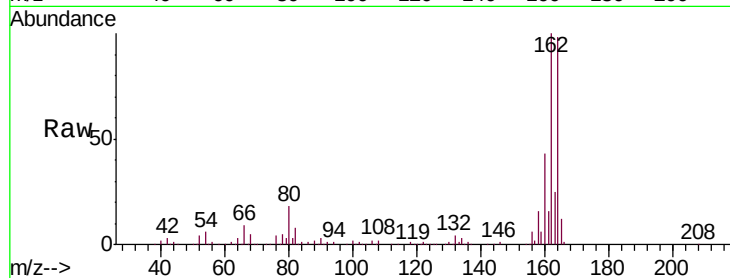




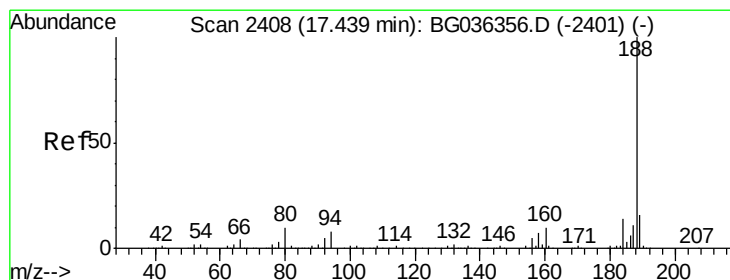
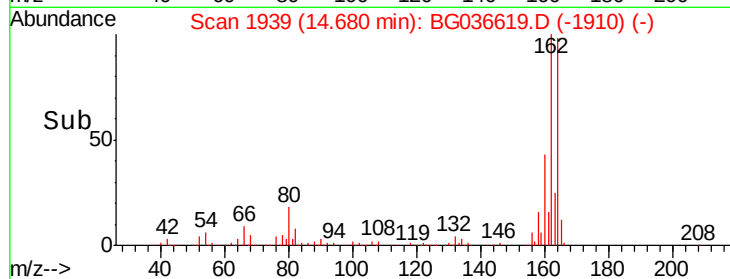
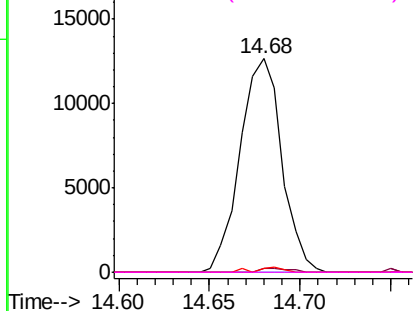
#56
 2,4-Dinitrotoluene
 Concen: 5.893 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.36 min
 Lab File: BG036619.D
 Acq: 8 Sep 2018 6:02

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-090618-B

Tgt Ion:	165	Resp:	20249
Ion Ratio	Lower	Upper	
165	100		
63	1.5	40.1	60.1#
89	2.1	63.7	95.5#
182	0.0	2.5	3.7#

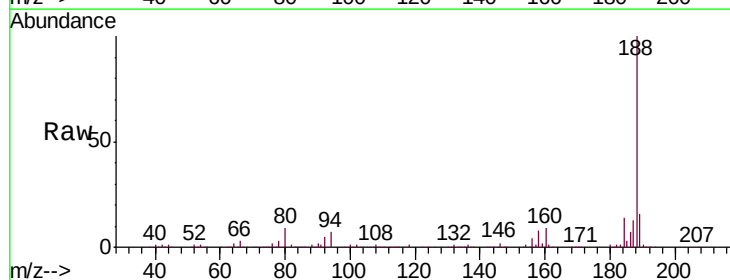


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

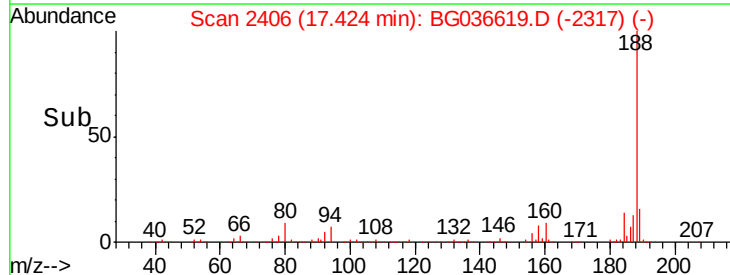
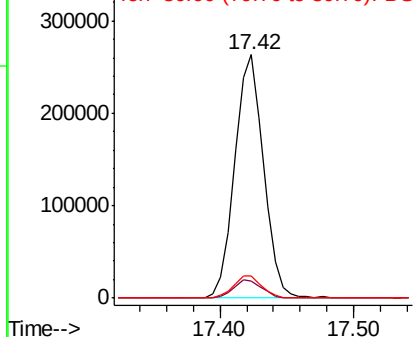


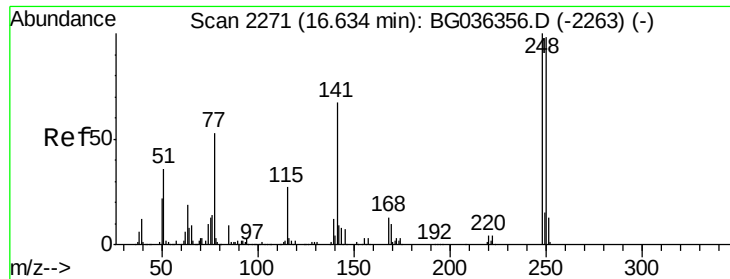
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BG036619.D
 Acq: 8 Sep 2018 6:02

Tgt Ion:	188	Resp:	394328
Ion Ratio	Lower	Upper	
188	100		
94	7.0	6.7	10.1
80	9.1	8.1	12.1



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

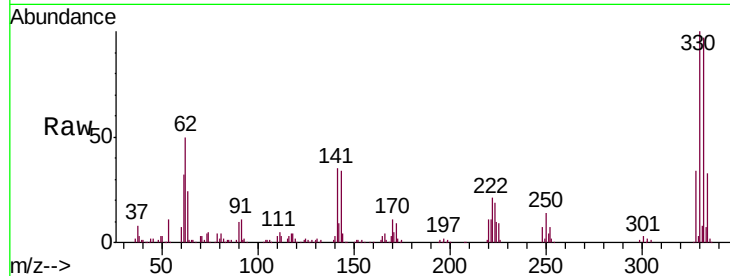




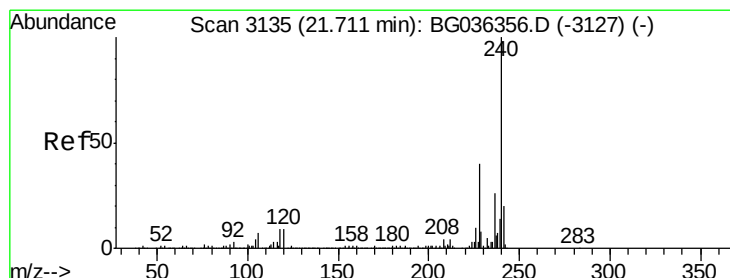
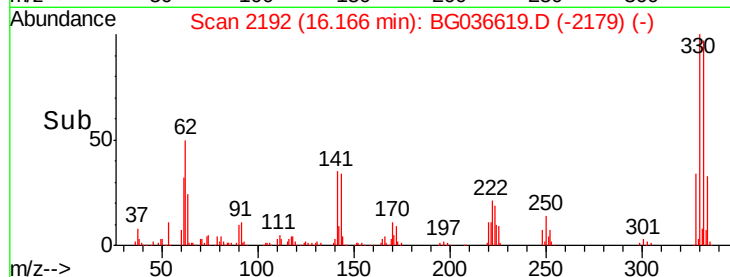
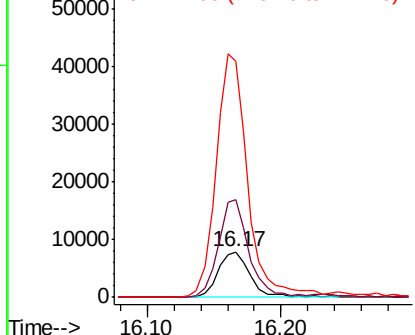
#66
 4-Bromophenyl-phenylether
 Concen: 2.903 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.45 min
 Lab File: BG036619.D
 Acq: 8 Sep 2018 6:02

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-090618-B

Tgt Ion:248 Resp: 13401
 Ion Ratio Lower Upper
 248 100
 250 212.9 78.1 117.1#
 141 516.0 53.7 80.5#

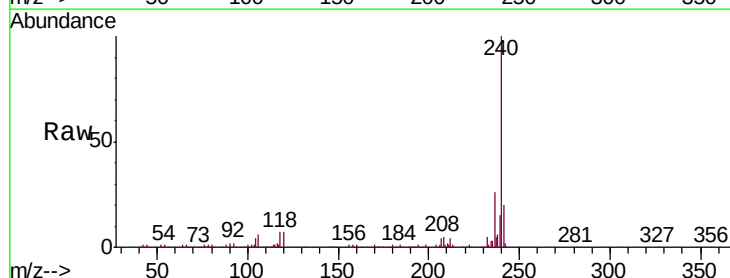


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

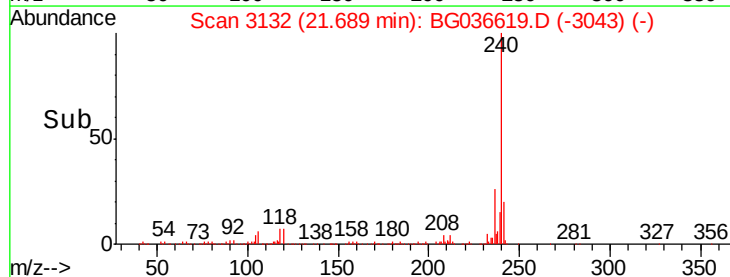
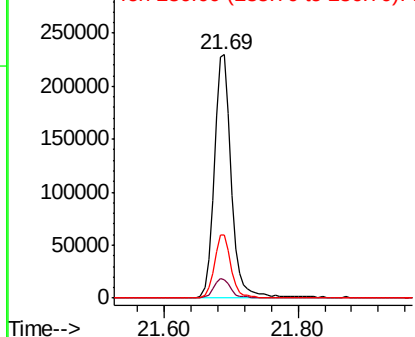


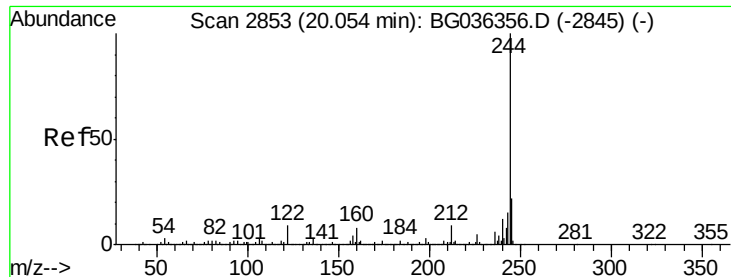
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BG036619.D
 Acq: 8 Sep 2018 6:02

Tgt Ion:240 Resp: 415437
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.9 10.3
 236 25.9 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





#78

Terphenyl-d14

Concen: 80.142 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036619.D

Acq: 8 Sep 2018 6:02

Instrument :

BNA_F

ClientSampleId :

OR-02-090618-B

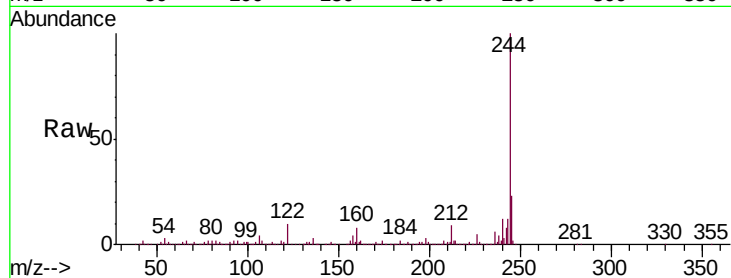
Tgt Ion:244 Resp: 1424428

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

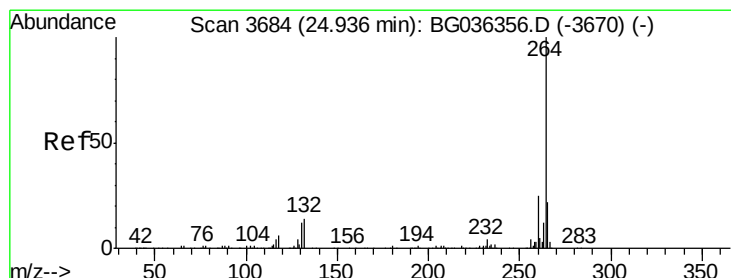
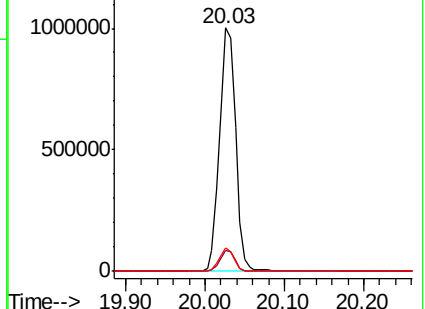
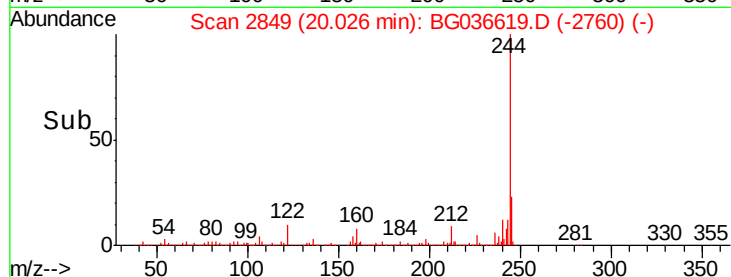
122 9.5 7.1 10.7



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. -0.01 min

Lab File: BG036619.D

Acq: 8 Sep 2018 6:02

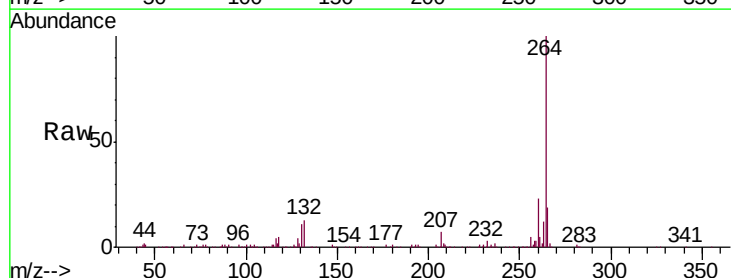
Tgt Ion:264 Resp: 362619

Ion Ratio Lower Upper

264 100

260 22.5 19.6 29.4

265 19.4 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

