

Data File : BG036694.D
Acq On : 13 Sep 2018 22:34
Operator : JU/SJ
Sample : J4875-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
091118-TIPC-F-D-S

Quant Time: Sep 14 01:24:52 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

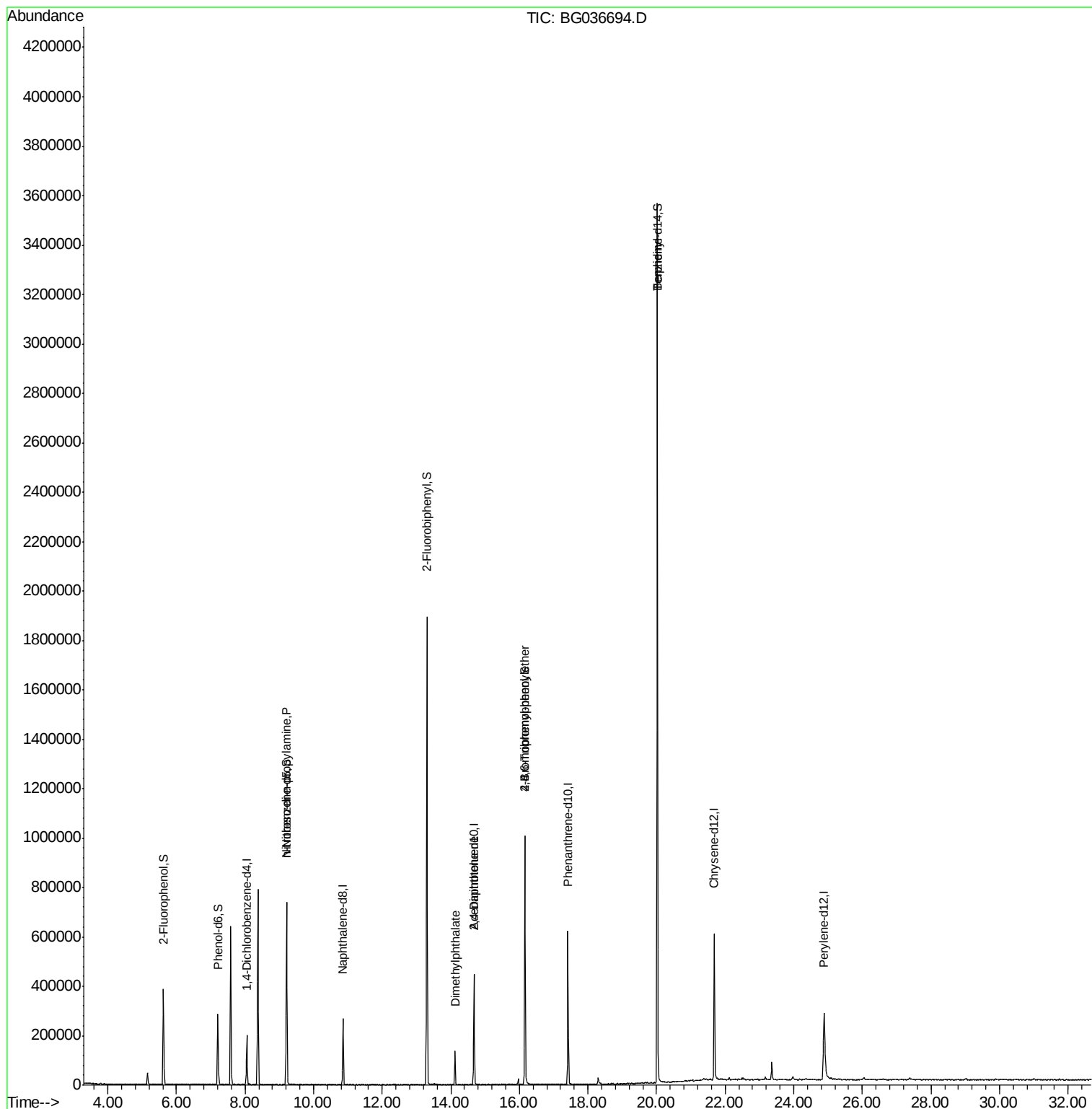
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56209	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	232646	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	154582	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	392168	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	396487	20.00	ng	-0.01
86) Perylene-d12	24.88	264	356699	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	167652	47.31	ng	0.00
7) Phenol-d6	7.20	99	164472	32.42	ng	-0.01
23) Nitrobenzene-d5	9.21	82	441066	102.86	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	188346	102.11	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	988484	91.30	ng	0.00
78) Terphenyl-d14	20.02	244	1696249	100.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	57793	15.242	ng	Qvalue # 69
49) Dimethylphthalate	14.12	163	91472	7.247	ng	# 99
56) 2,4-Dinitrotoluene	14.68	165	19555	5.777	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	13432	2.925	ng	# 1
76) Benzidine	20.02	184	30027	2.374	ng	# 93

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

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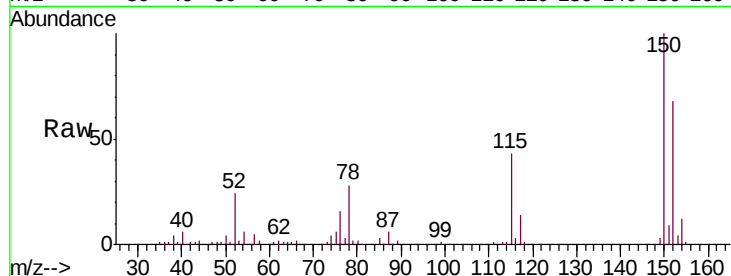


#1

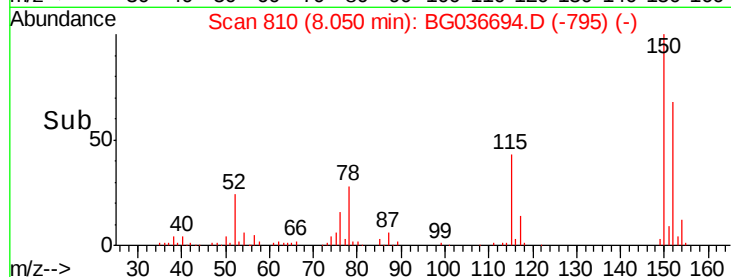
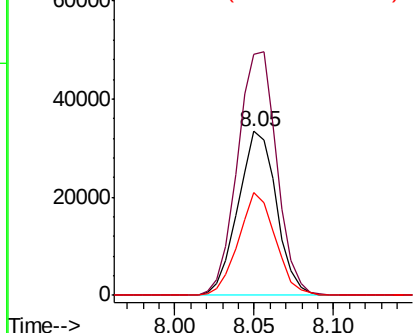
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.01 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Instrument :
BNA_G
ClientSampleId :
091118-TIPC-F-D-S

Tgt Ion:152 Resp: 56209
Ion Ratio Lower Upper
152 100
150 147.1 119.5 179.3
115 62.9 44.5 66.7



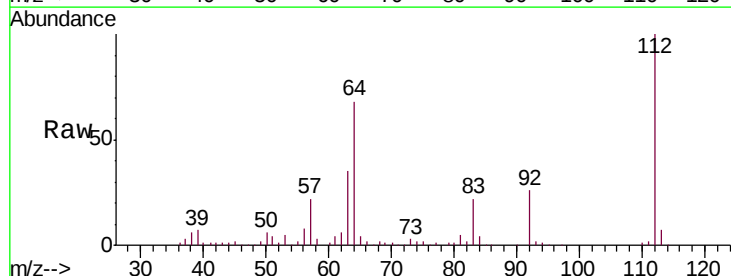
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



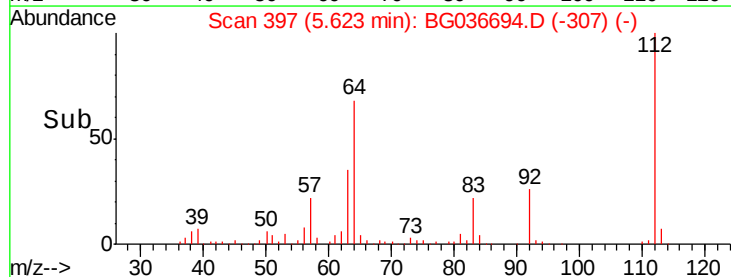
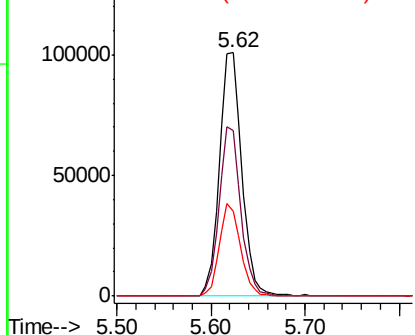
#5

2-Fluorophenol
Concen: 47.314 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Tgt Ion:112 Resp: 167652
Ion Ratio Lower Upper
112 100
64 68.1 57.2 85.8
63 34.7 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: 32.419 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036694.D

Acq: 13 Sep 2018 22:34

Instrument :

BNA_G

ClientSampleId :

091118-TIPC-F-D-S

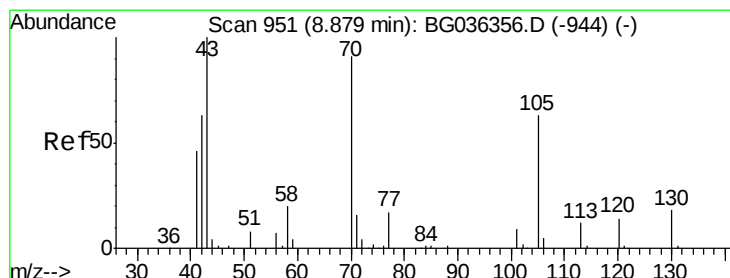
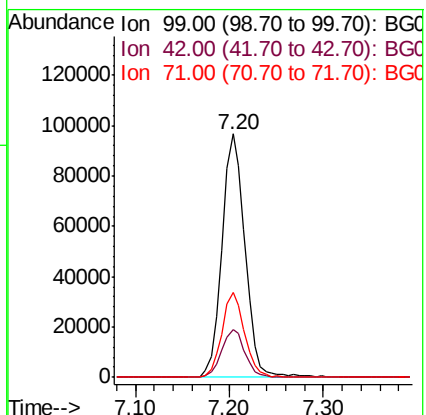
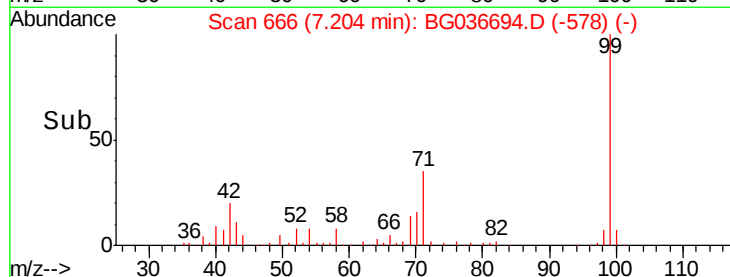
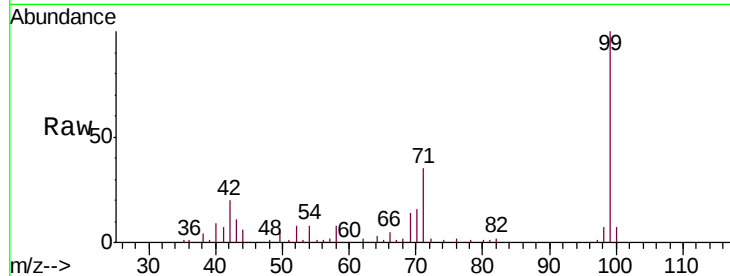
Tgt Ion: 99 Resp: 164472

Ion Ratio Lower Upper

99 100

42 19.7 16.5 24.7

71 34.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.242 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036694.D

Acq: 13 Sep 2018 22:34

Tgt Ion: 70 Resp: 57793

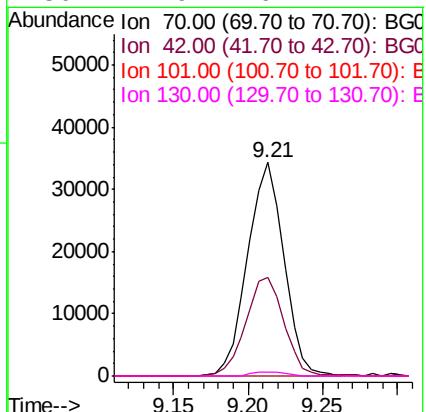
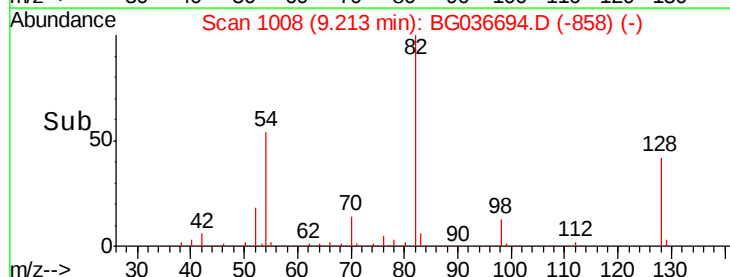
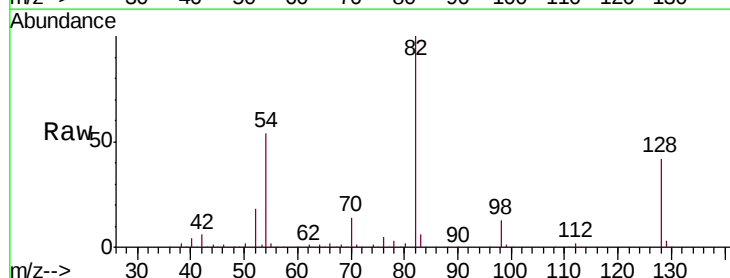
Ion Ratio Lower Upper

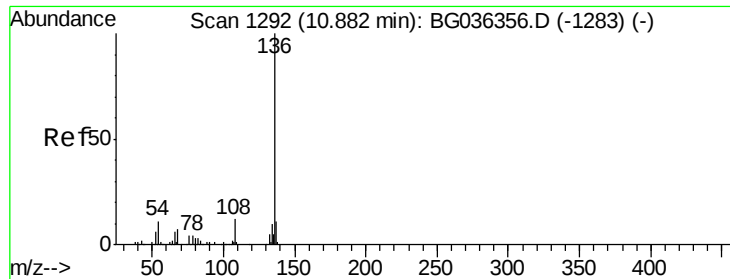
70 100

42 46.3 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 16.2 24.2#

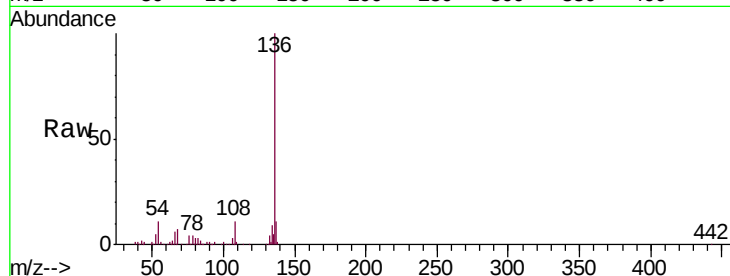




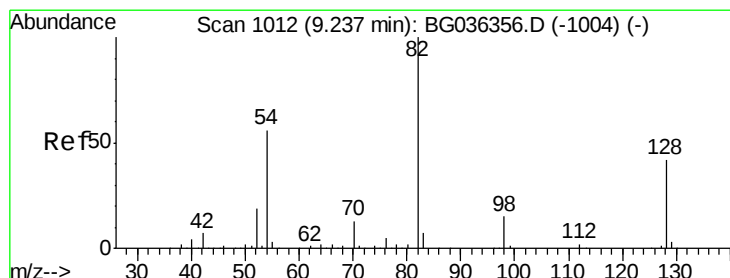
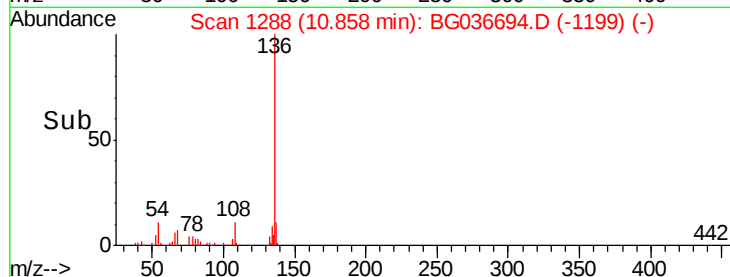
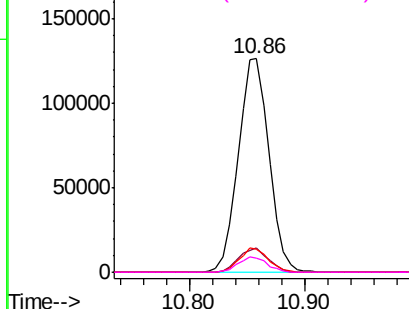
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Instrument :
BNA_G
ClientSampleId :
091118-TIPC-F-D-S

Tgt Ion:	136	Resp:	232646
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.8	9.2	13.8
68	6.5	5.8	8.6

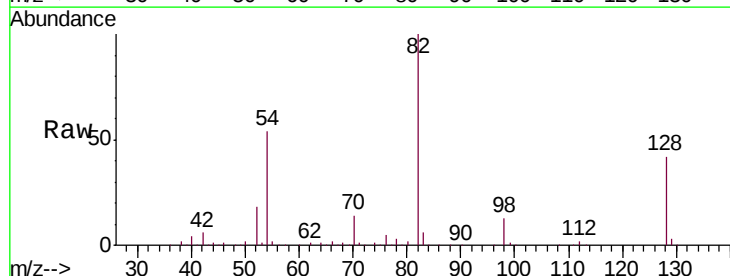


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

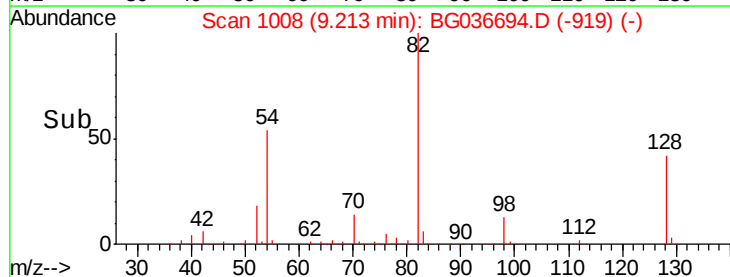
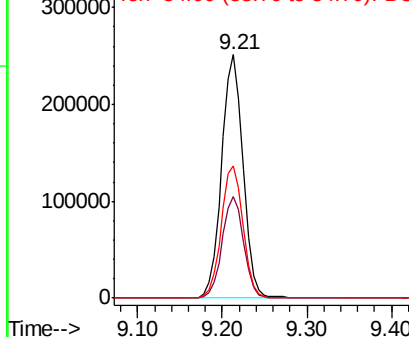


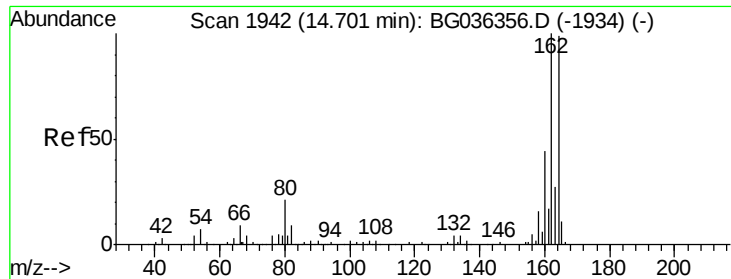
#23
Nitrobenzene-d5
Concen: 102.864 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Tgt Ion:	82	Resp:	441066
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.3	49.9
54	54.1	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: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036694.D

Acq: 13 Sep 2018 22:34

Instrument :

BNA_G

ClientSampleId :

091118-TIPC-F-D-S

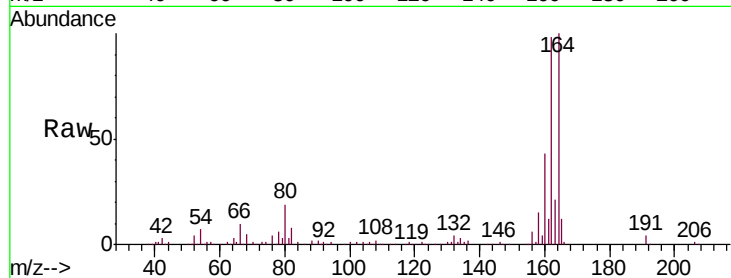
Tgt Ion:164 Resp: 154582

Ion Ratio Lower Upper

164 100

162 98.1 80.7 121.1

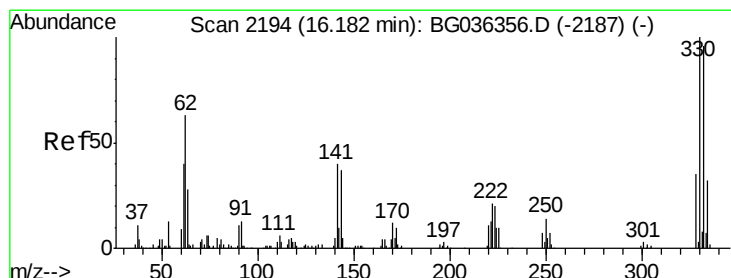
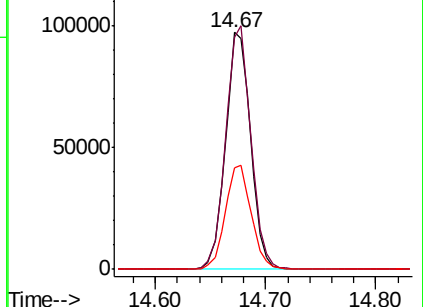
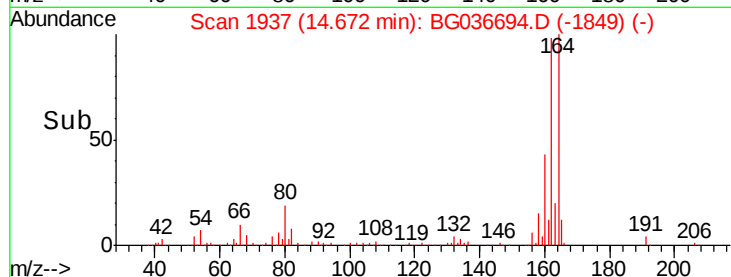
160 43.0 35.3 52.9



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: 102.112 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036694.D

Acq: 13 Sep 2018 22:34

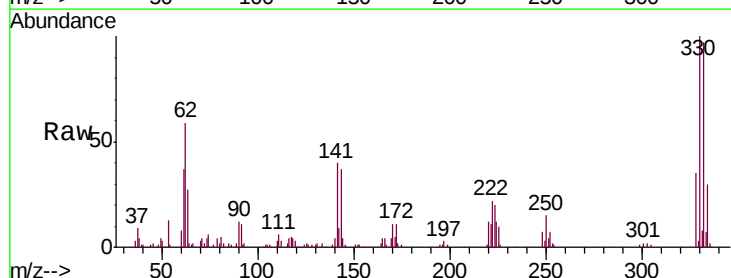
Tgt Ion:330 Resp: 188346

Ion Ratio Lower Upper

330 100

332 98.3 75.4 113.2

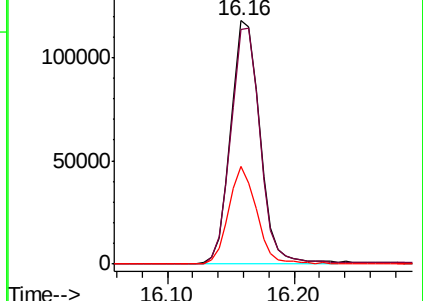
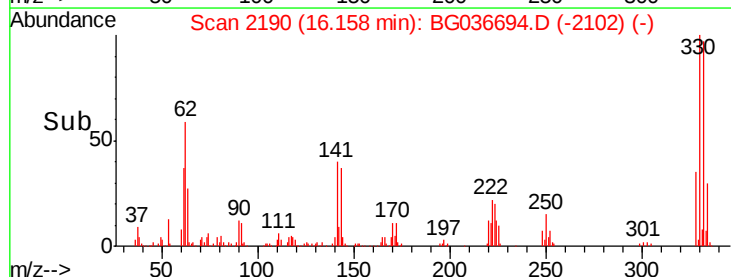
141 38.3 30.7 46.1



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

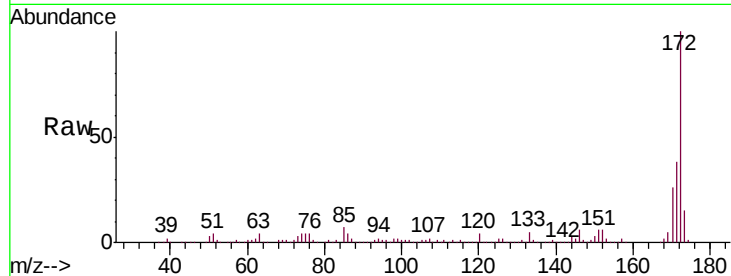




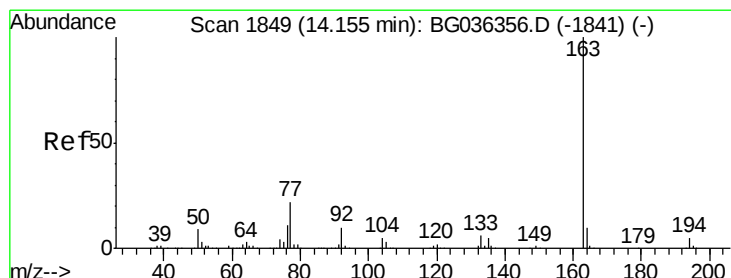
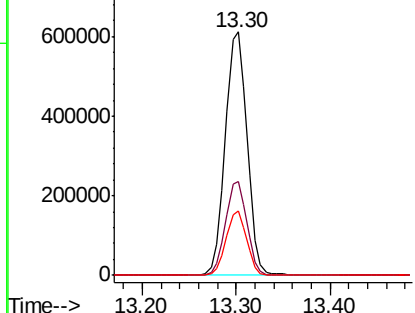
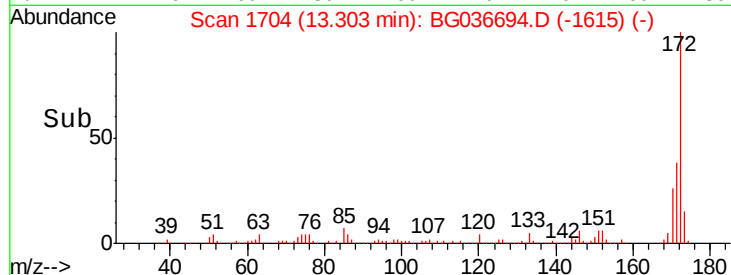
#44
2-Fluorobiphenyl
Concen: 91.303 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Instrument :
BNA_G
ClientSampleId :
091118-TIPC-F-D-S

Tgt Ion:172 Resp: 988484
Ion Ratio Lower Upper
172 100
171 38.5 31.3 46.9
170 26.2 21.0 31.6

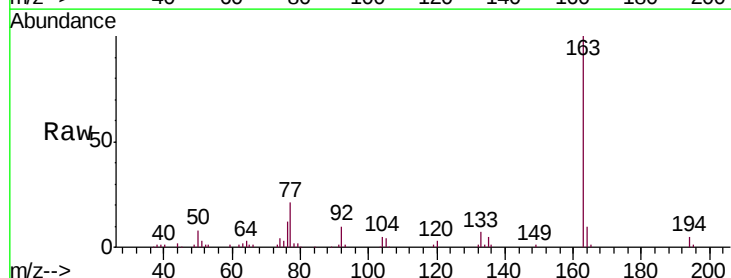


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

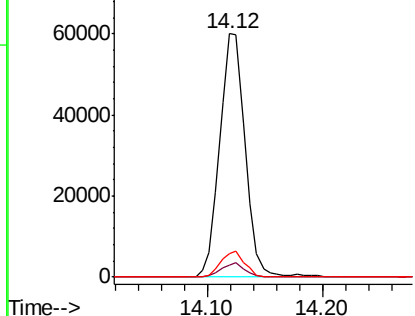
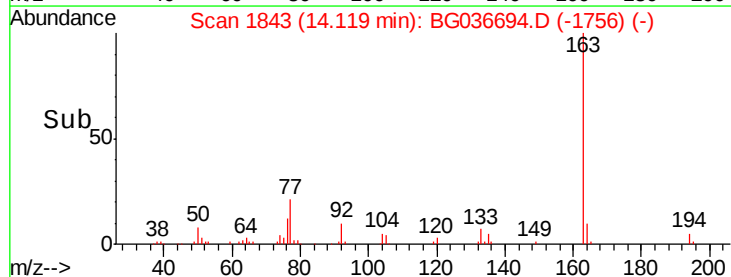


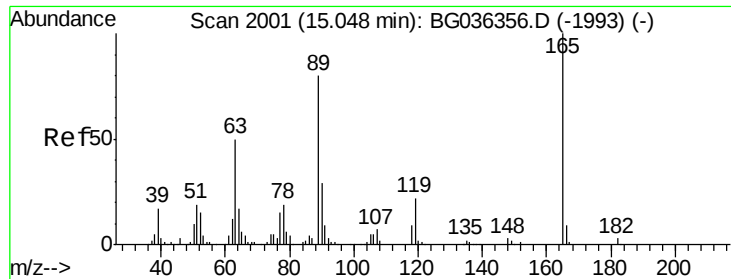
#49
Dimethylphthalate
Concen: 7.247 ng
RT: 14.12 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Tgt Ion:163 Resp: 91472
Ion Ratio Lower Upper
163 100
194 5.0 4.0 6.0
164 9.8 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

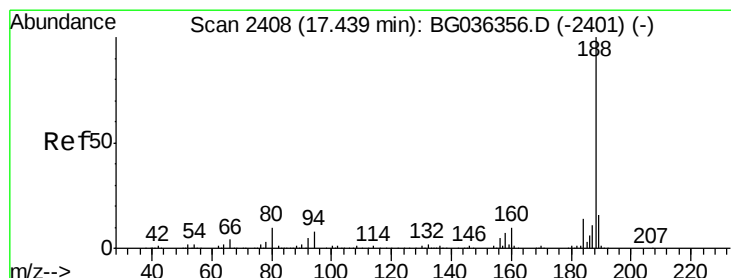
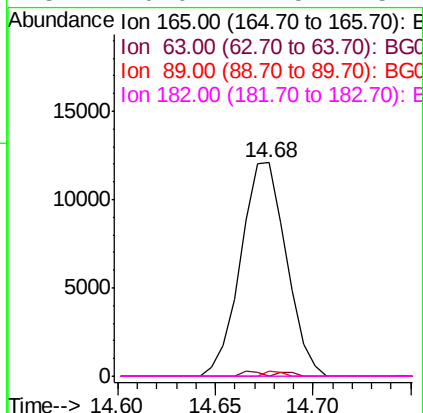
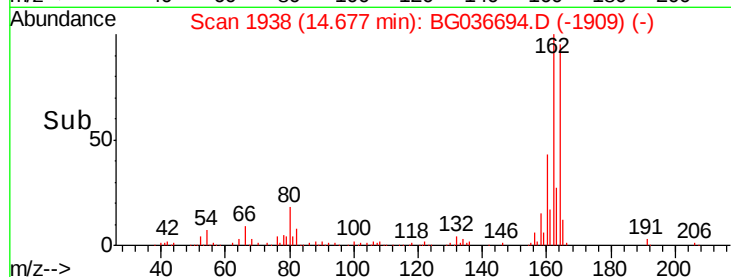
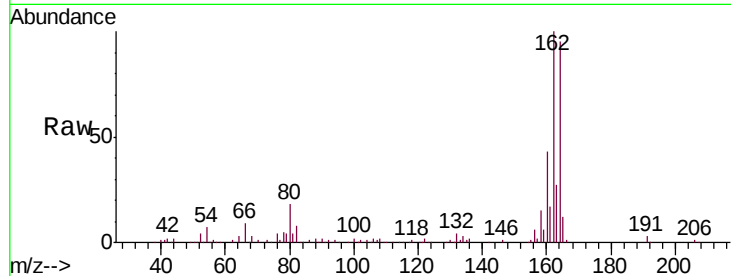




#56
 2,4-Dinitrotoluene
 Concen: 5.777 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036694.D
 Acq: 13 Sep 2018 22:34

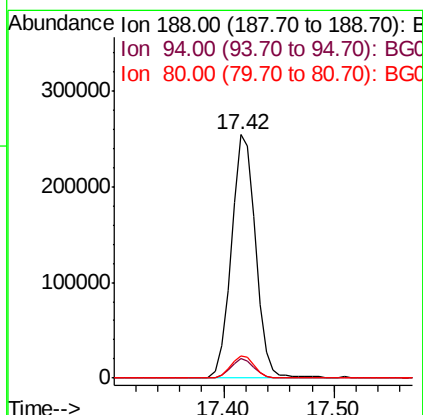
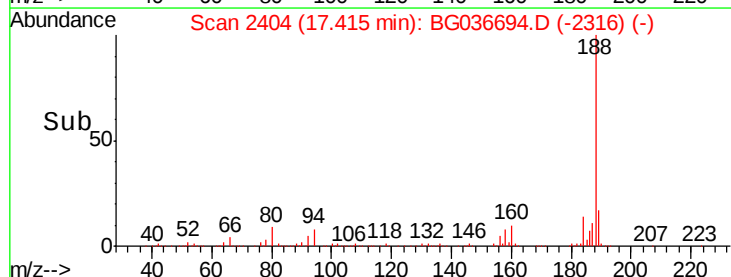
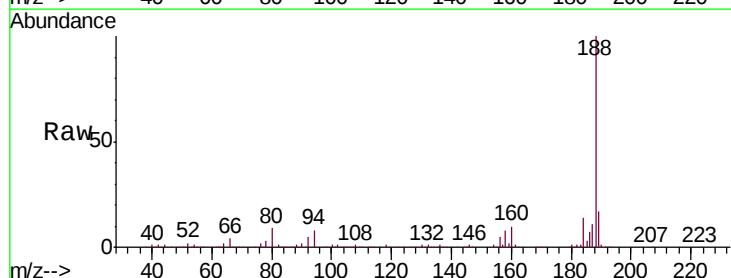
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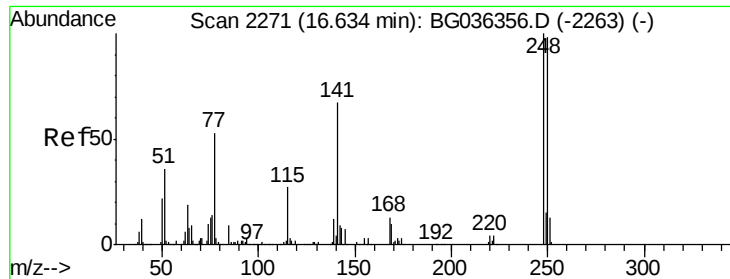
Tgt Ion:	165	Resp:	19555
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.4	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036694.D
 Acq: 13 Sep 2018 22:34

Tgt Ion:	188	Resp:	392168
Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	9.2	8.1	12.1

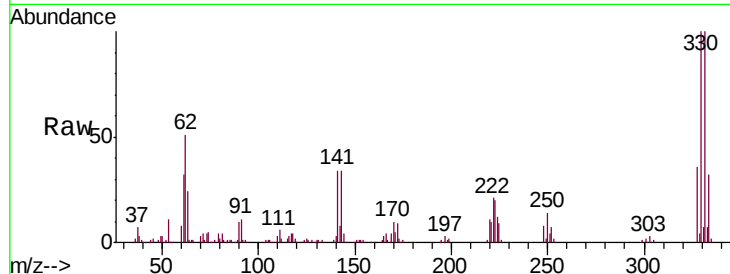




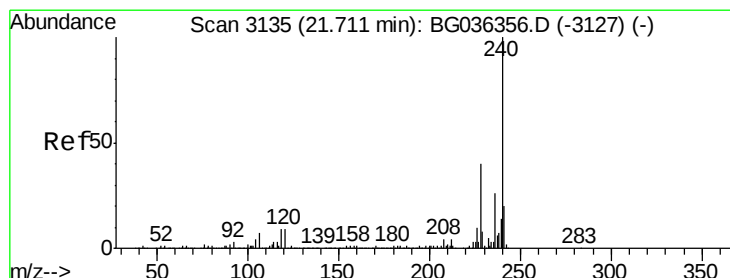
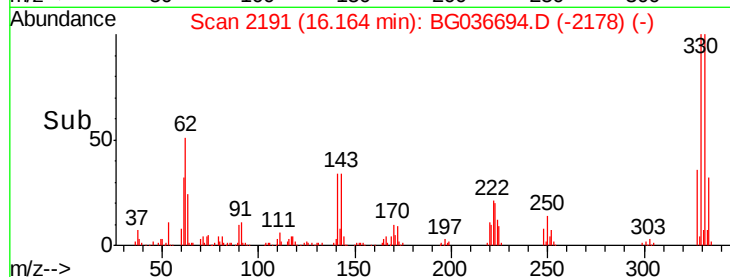
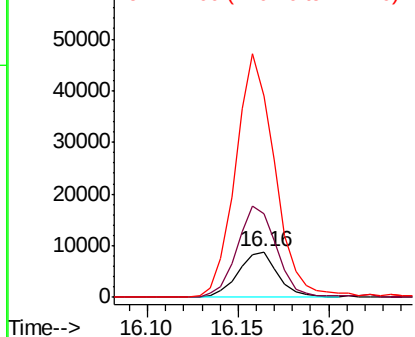
#66
 4-Bromophenyl-phenylether
 Concen: 2.925 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036694.D
 Acq: 13 Sep 2018 22:34

Instrument :
 BNA_G
 ClientSampleId :
 091118-TIPC-F-D-S

Tgt Ion:248 Resp: 13432
 Ion Ratio Lower Upper
 248 100
 250 182.6 78.1 117.1#
 141 440.3 53.7 80.5#

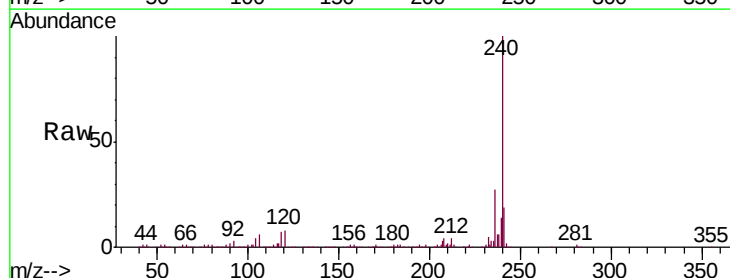


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

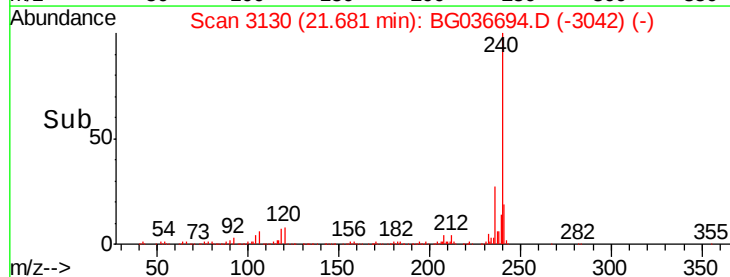
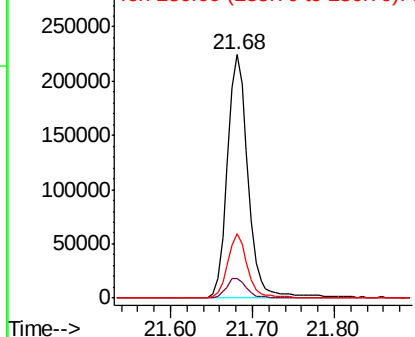


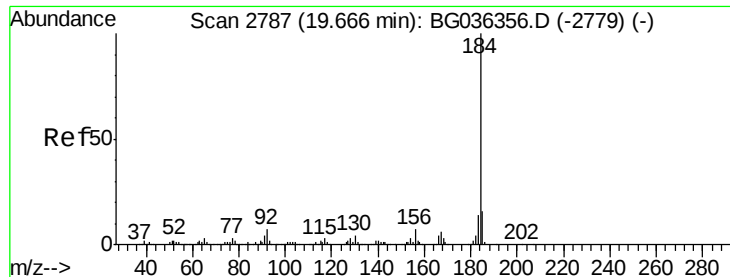
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036694.D
 Acq: 13 Sep 2018 22:34

Tgt Ion:240 Resp: 396487
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.9 10.3
 236 26.6 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: 2.374 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036694.D

Acq: 13 Sep 2018 22:34

Instrument :

BNA_G

ClientSampleId :

091118-TIPC-F-D-S

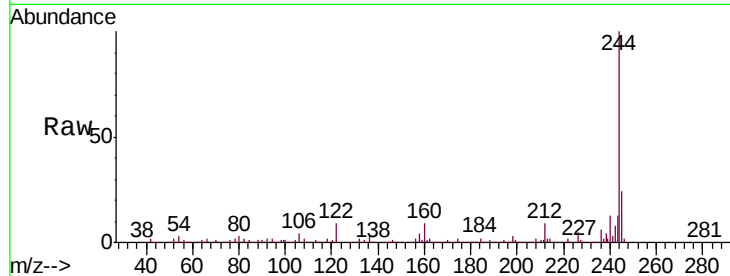
Tgt Ion:184 Resp: 30027

Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

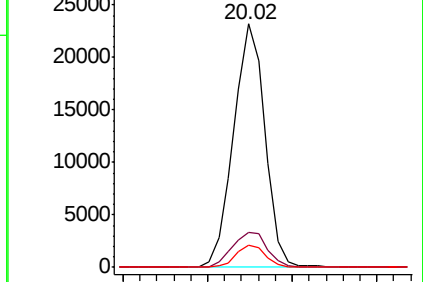
183 9.0 10.9 16.3#



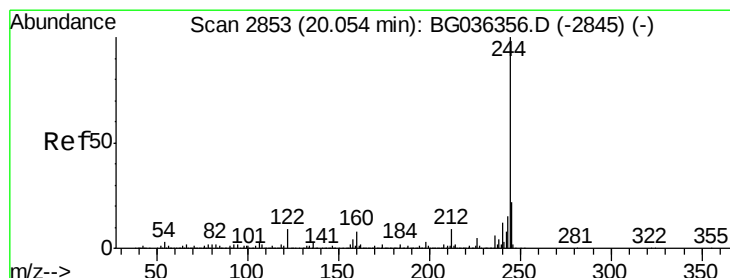
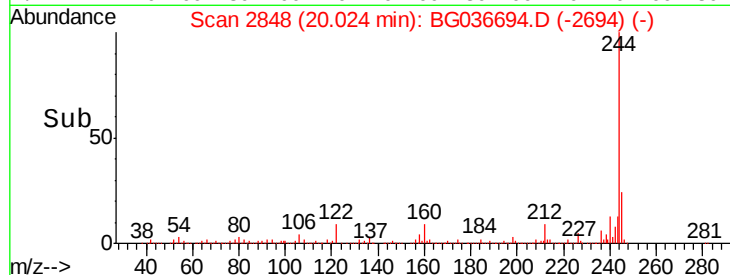
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.95 20.00 20.05 20.10



#78

Terphenyl-d14

Concen: 99.996 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036694.D

Acq: 13 Sep 2018 22:34

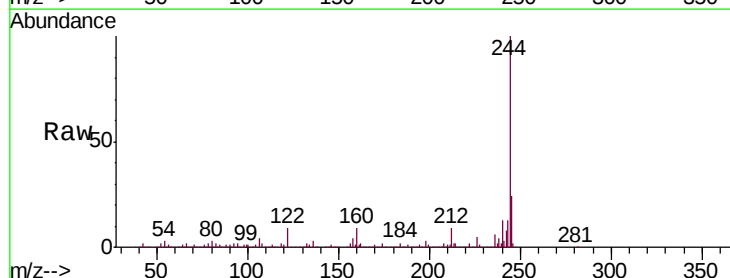
Tgt Ion:244 Resp: 1696249

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

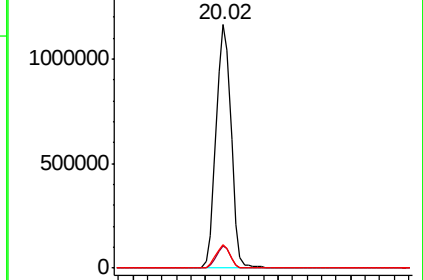
122 9.5 7.1 10.7



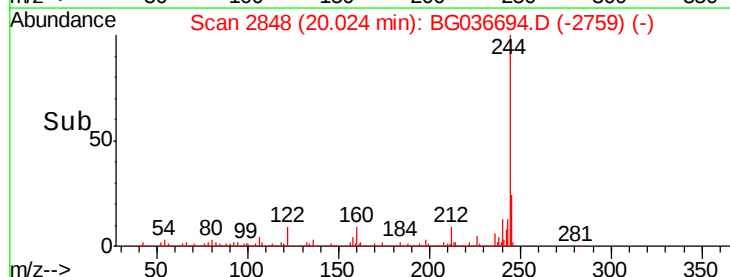
Abundance Ion 244.00 (243.70 to 244.70): E

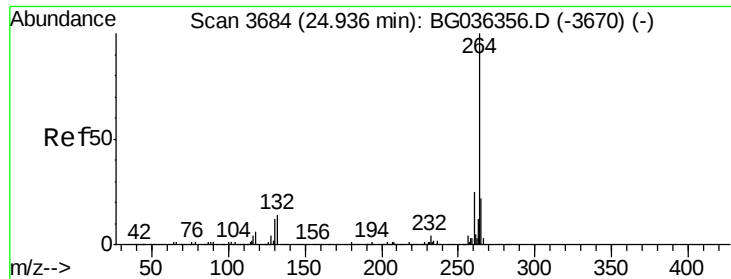
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10 20.20

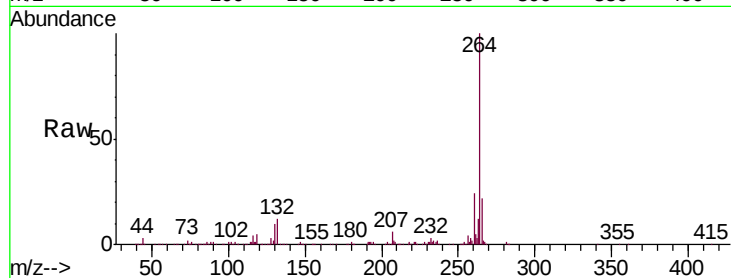




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036694.D
Acq: 13 Sep 2018 22:34

Instrument :
BNA_G
ClientSampleId :
091118-TIPC-F-D-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.8	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

