

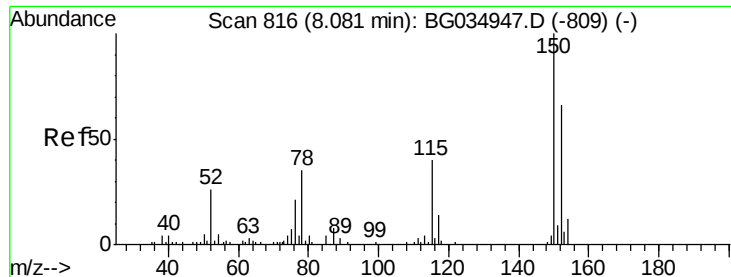
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062818\
 Data File : BG035505.D
 Acq On : 29 Jun 2018 8:35
 Operator : JU/SJ
 Sample : J3719-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 062518-TIPC-F-U-S

Quant Time: Jun 29 09:36:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	35311	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	124113	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	90829	20.00	ng	-0.03
63) Phenanthrene-d10	17.41	188	247067	20.00	ng	-0.03
75) Chrysene-d12	21.68	240	268572	20.00	ng	-0.04
86) Perylene-d12	24.89	264	254115	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	104985	50.18	ng	-0.02
7) Phenol-d6	7.21	99	102820	33.29	ng	-0.02
23) Nitrobenzene-d5	9.21	82	328619	125.86	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	152458	131.12	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	795060	113.79	ng	-0.03
78) Terphenyl-d14	20.02	244	1406834	109.72	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	43581	16.611	ng	# 67
49) Dimethylphthalate	14.12	163	23452	2.961	ng	# 97
50) 2,6-Dinitrotoluene	14.68	165	11356	7.859	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	11356	5.916	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11866	3.988	ng	# 1
76) Benzidine	20.02	184	24145	2.416	ng	# 90

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

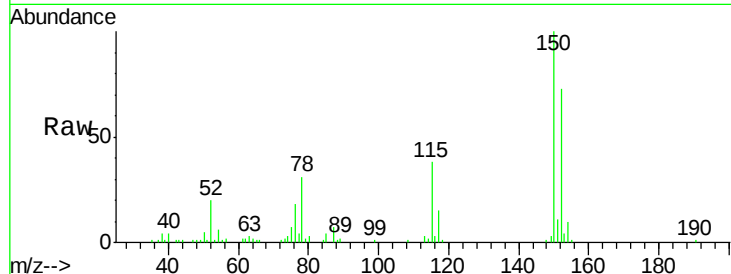


#1

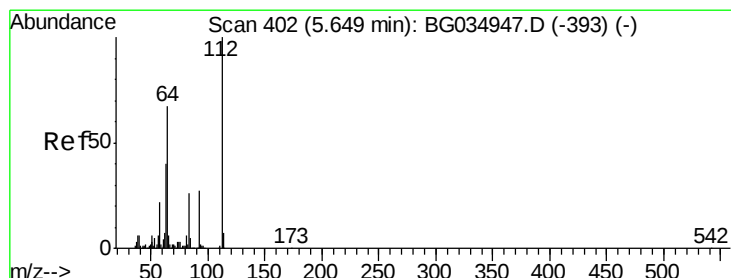
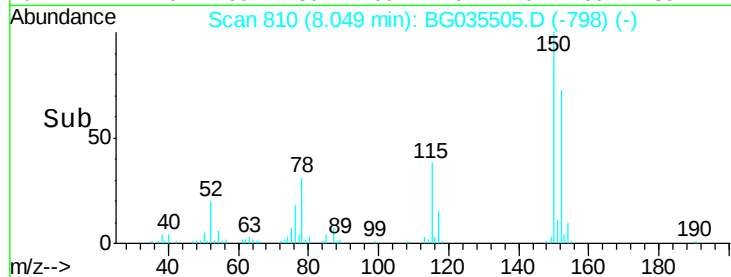
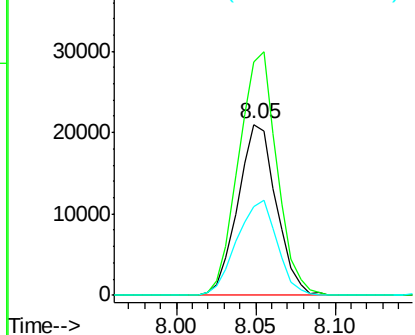
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.03 min
Lab File: BG035505.D
Acq: 29 Jun 2018 8:35

Instrument :
BNA_F
ClientSampleId :
062518-TIPC-F-U-S

Tgt Ion:152 Resp: 35311
Ion Ratio Lower Upper
152 100
150 136.3 126.6 189.8
115 52.0 53.0 79.4#



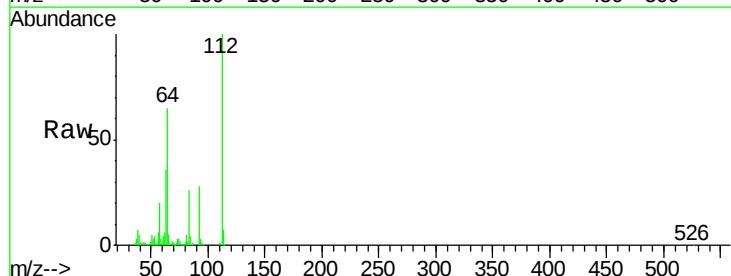
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



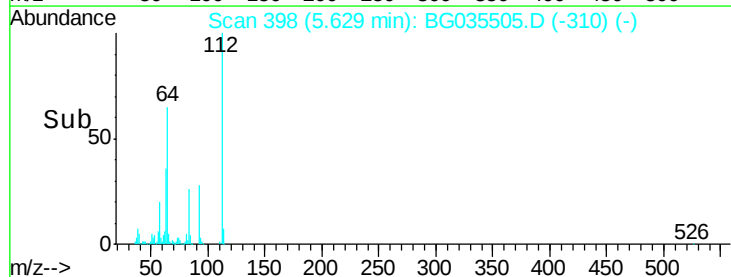
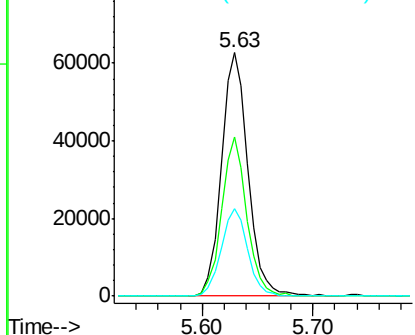
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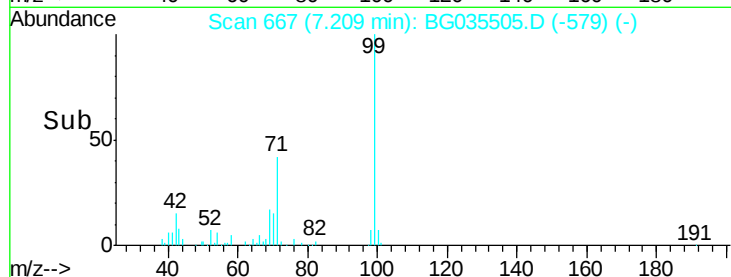
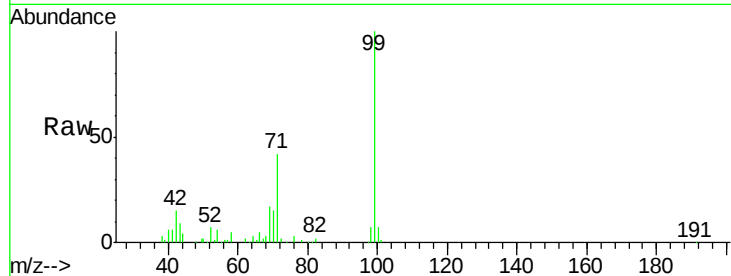
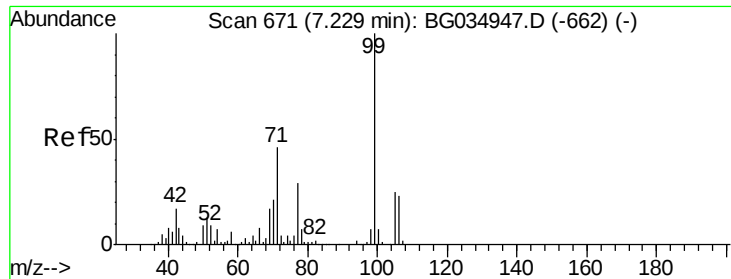
2-Fluorophenol
Concen: 50.175 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035505.D
Acq: 29 Jun 2018 8:35

Tgt Ion:112 Resp: 104985
Ion Ratio Lower Upper
112 100
64 65.4 56.3 84.5
63 36.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.294 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-S

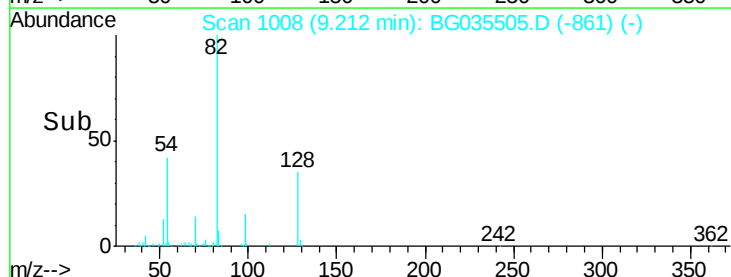
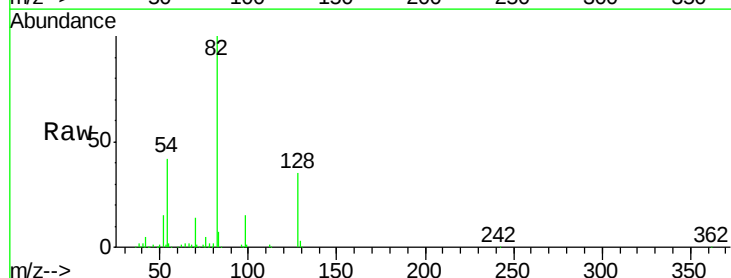
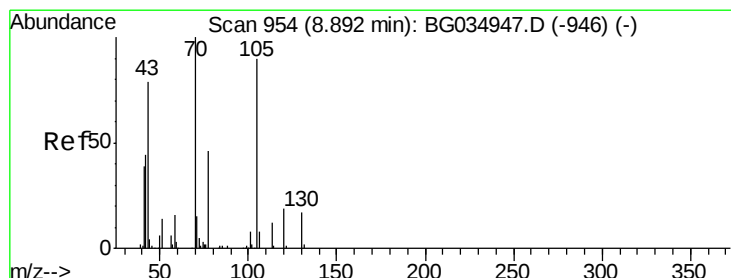
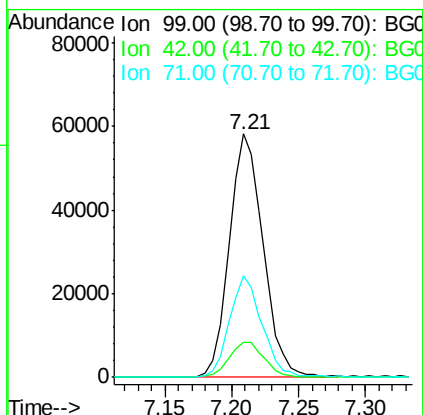
Tgt Ion: 99 Resp: 102820

Ion Ratio Lower Upper

99 100

42 14.5 14.1 21.1

71 41.9 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.611 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

Tgt Ion: 70 Resp: 43581

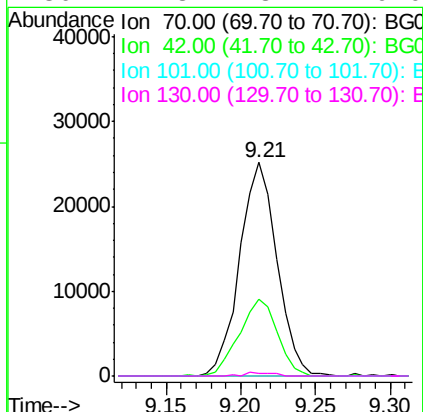
Ion Ratio Lower Upper

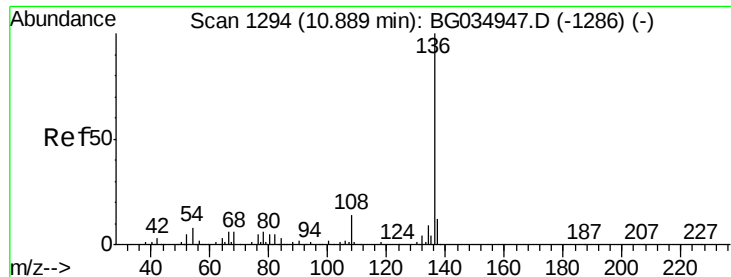
70 100

42 35.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

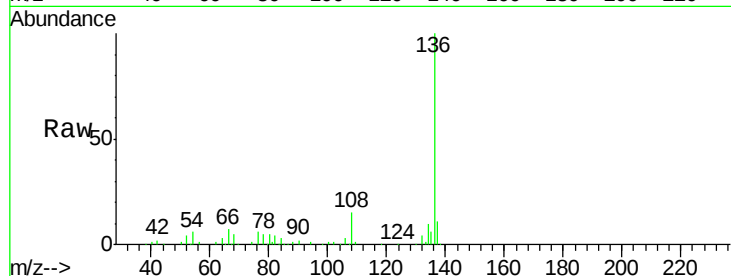




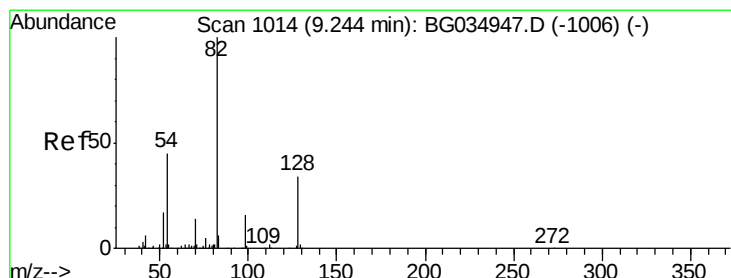
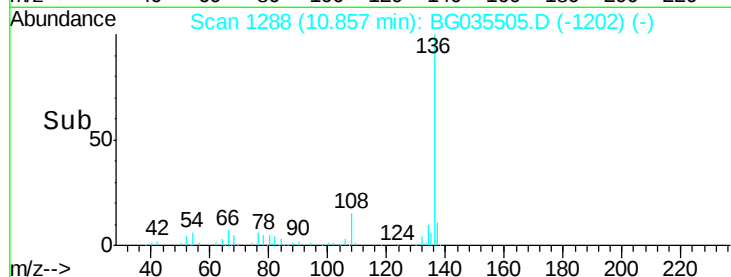
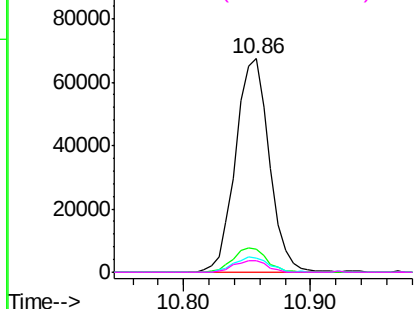
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035505.D
Acq: 29 Jun 2018 8:35

Instrument :
BNA_F
ClientSampleId :
062518-TIPC-F-U-S

Tgt Ion:	136	Resp:	124113
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.5	10.3	15.5#
68	5.4	4.5	6.7

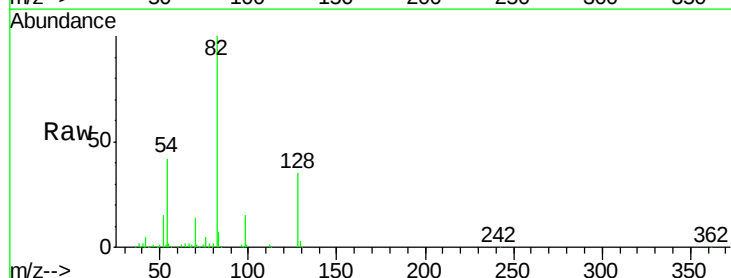


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

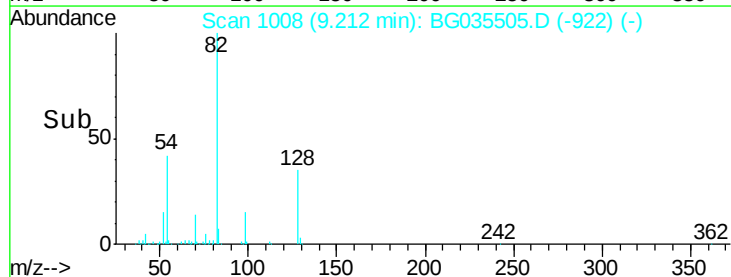
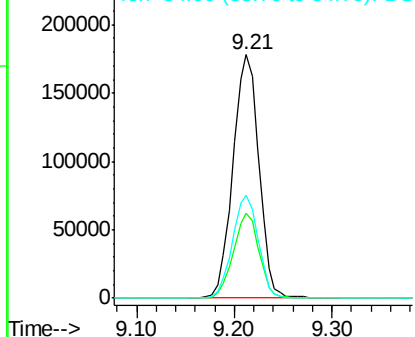


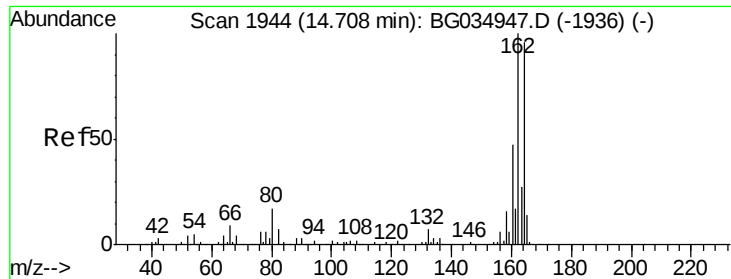
#23
Nitrobenzene-d5
Concen: 125.859 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035505.D
Acq: 29 Jun 2018 8:35

Tgt Ion:	82	Resp:	328619
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	42.2	43.1	64.7#



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. -0.03 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-S

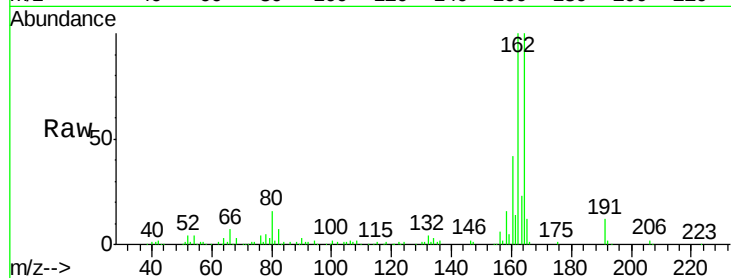
Tgt Ion:164 Resp: 90829

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

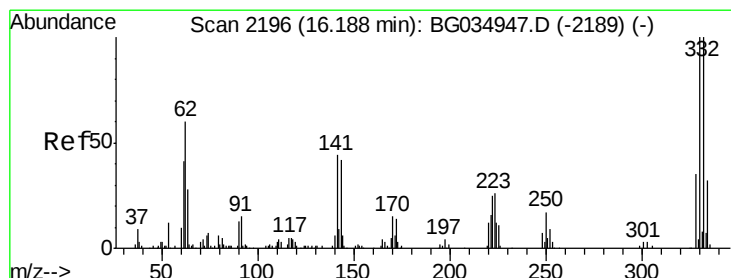
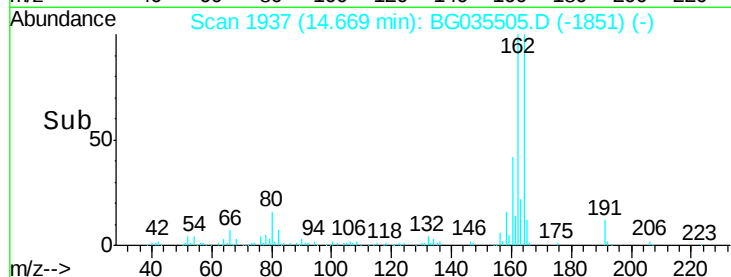
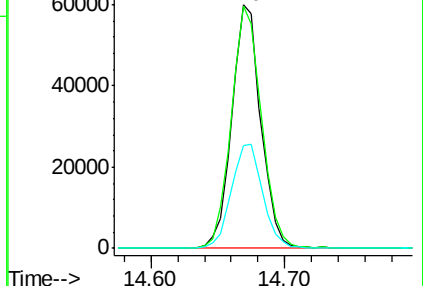
160 42.2 35.4 53.0



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: 131.121 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

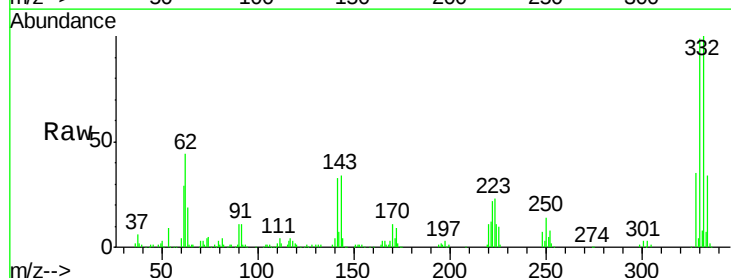
Tgt Ion:330 Resp: 152458

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

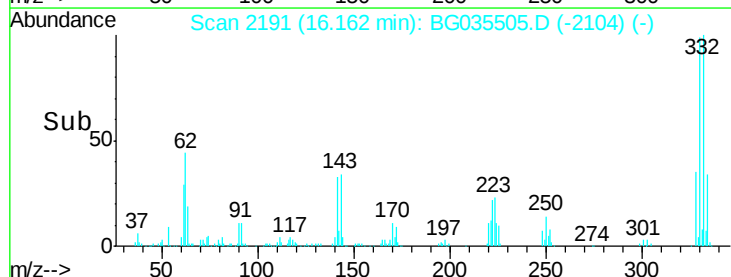
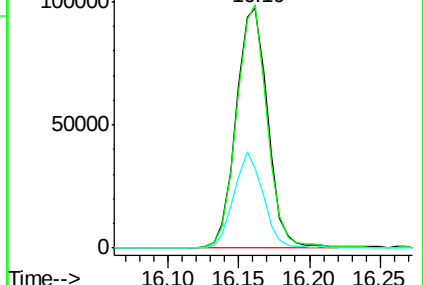
141 37.4 25.2 37.8

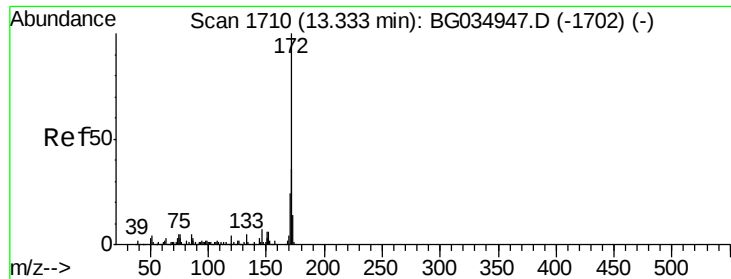


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 113.794 ng

RT: 13.29 min Scan# 1703

Delta R.T. -0.03 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-S

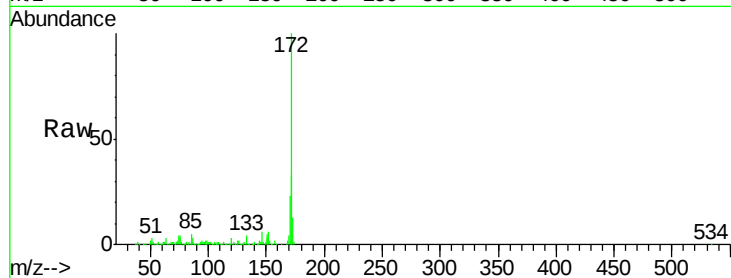
Tgt Ion:172 Resp: 795060

Ion Ratio Lower Upper

172 100

171 33.4 30.0 45.0

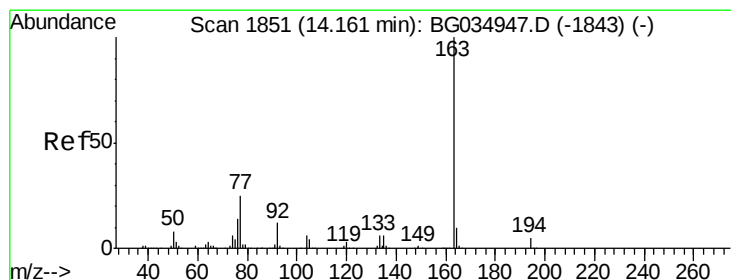
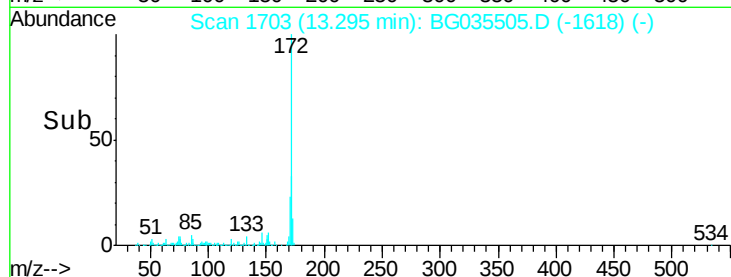
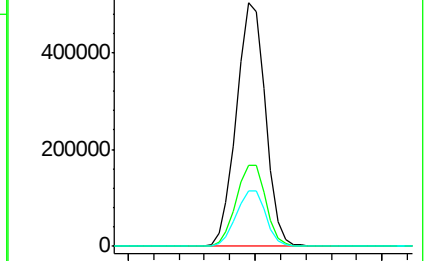
170 22.9 19.5 29.3



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: 2.961 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.04 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

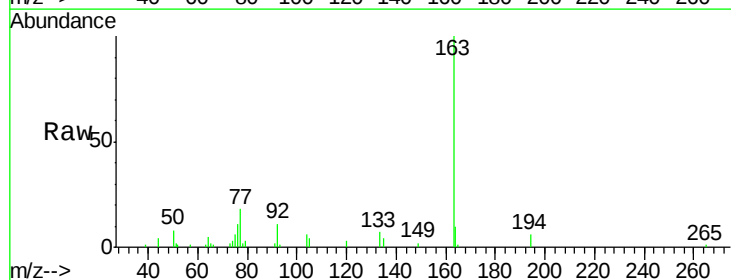
Tgt Ion:163 Resp: 23452

Ion Ratio Lower Upper

163 100

194 6.2 3.4 5.2#

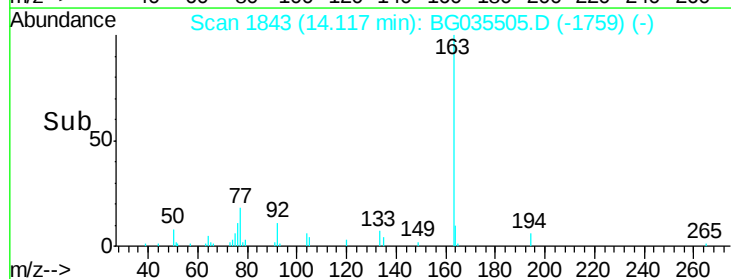
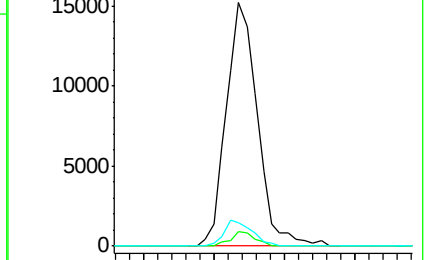
164 9.8 8.2 12.4

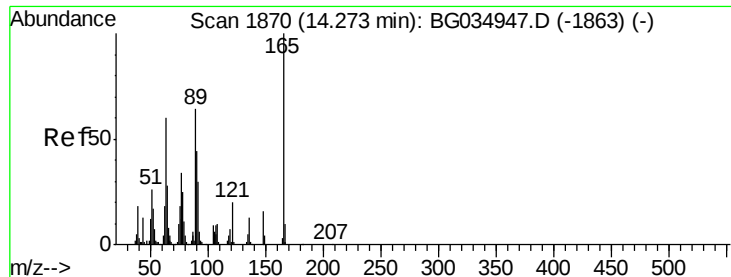


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

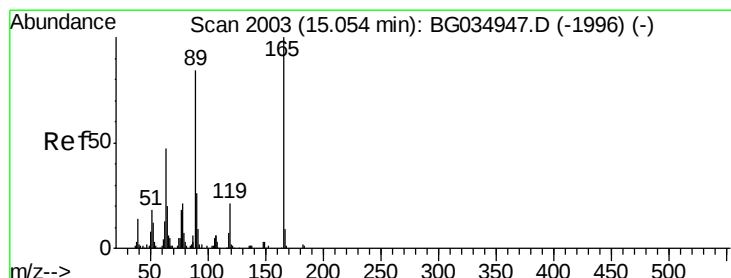
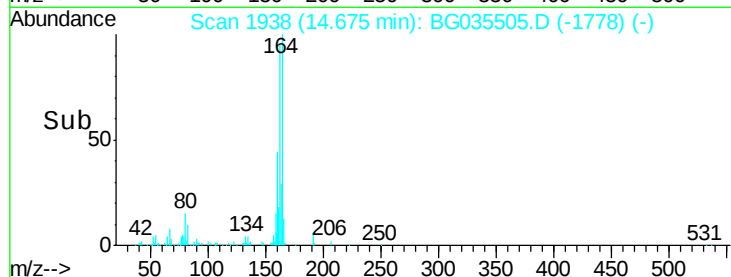
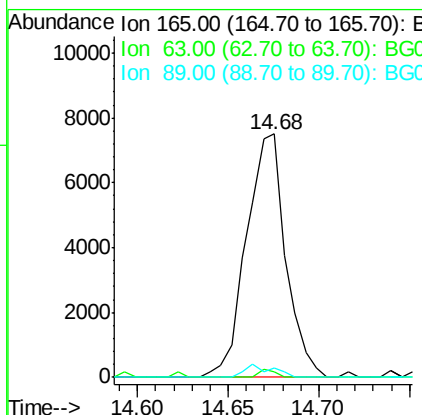
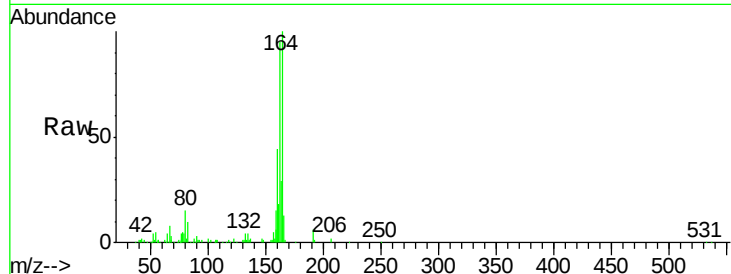




#50
2,6-Dinitrotoluene
Concen: 7.859 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG035505.D
Acq: 29 Jun 2018 8:35

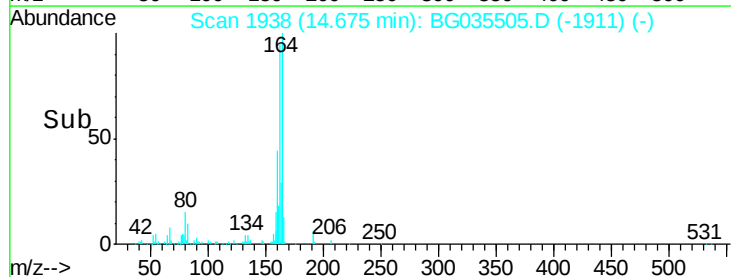
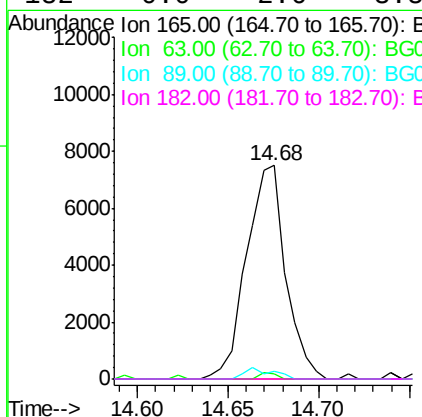
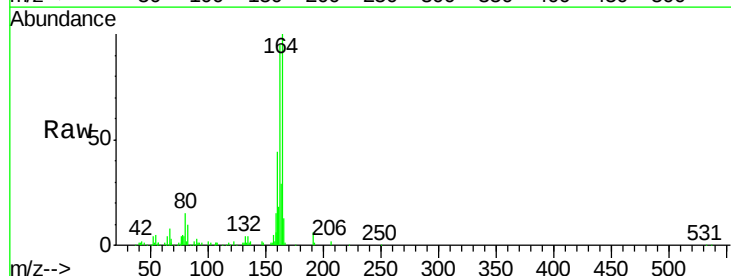
Instrument :
BNA_F
ClientSampleId :
062518-TIPC-F-U-S

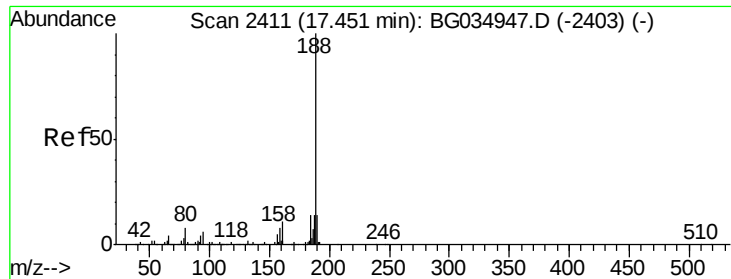
Tgt Ion:165 Resp: 11356
Ion Ratio Lower Upper
165 100
63 2.5 52.7 79.1#
89 3.6 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.916 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG035505.D
Acq: 29 Jun 2018 8:35

Tgt Ion:165 Resp: 11356
Ion Ratio Lower Upper
165 100
63 2.5 42.0 63.0#
89 3.6 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.03 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-S

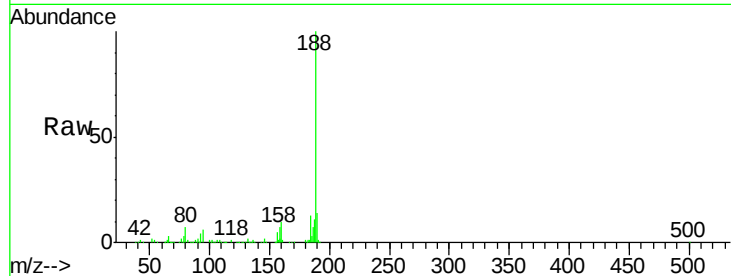
Tgt Ion:188 Resp: 247067

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

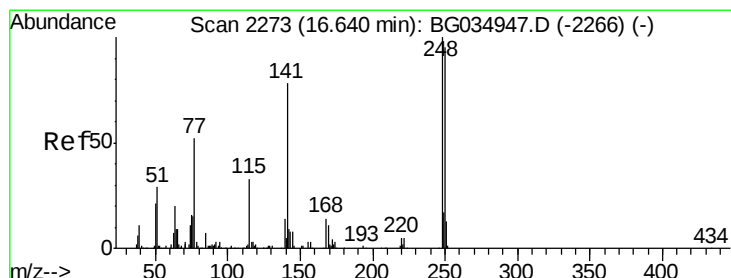
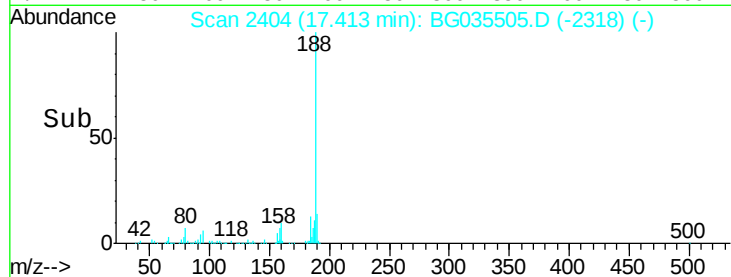
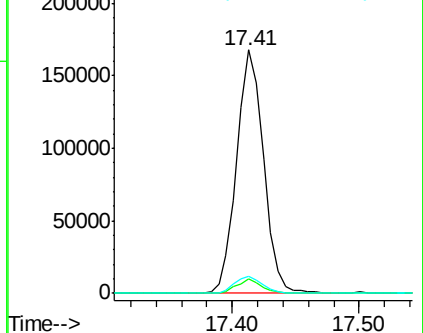
80 6.9 7.7 11.5#



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: 3.988 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.48 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

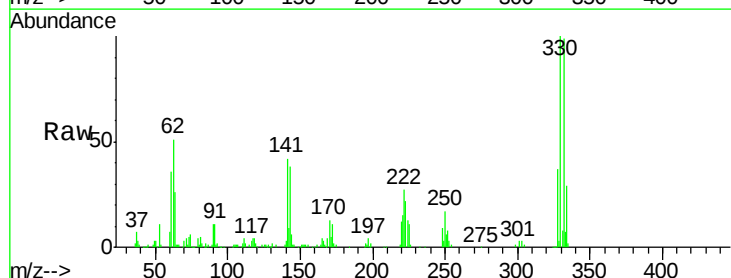
Tgt Ion:248 Resp: 11866

Ion Ratio Lower Upper

248 100

250 197.4 77.1 115.7#

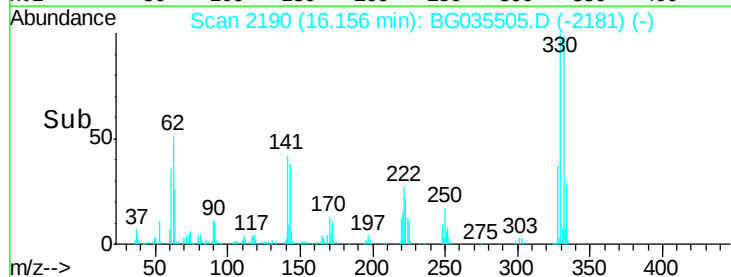
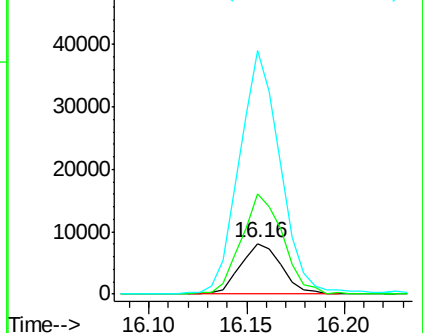
141 481.7 50.8 76.2#

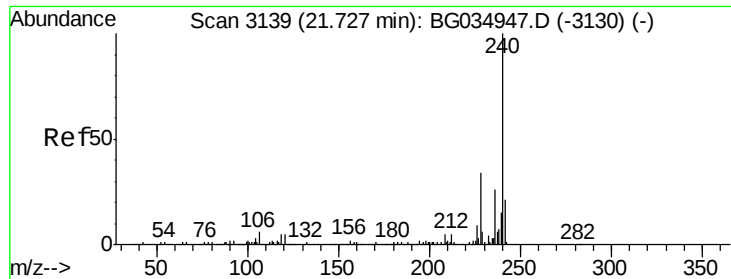


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

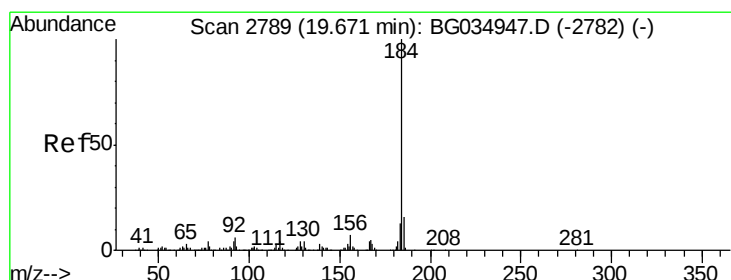
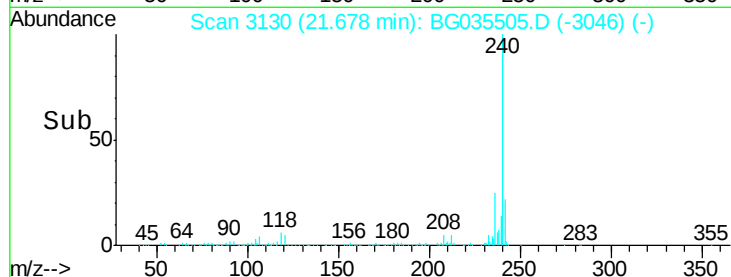
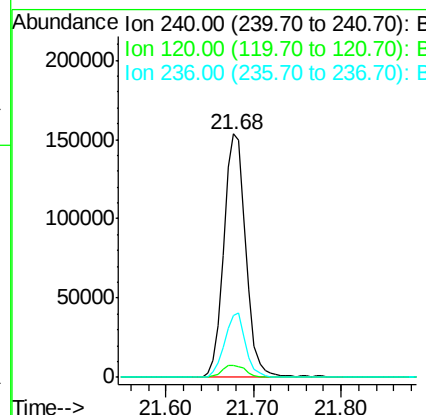
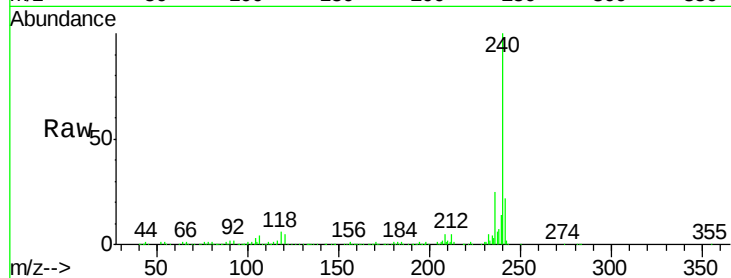




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.04 min
 Lab File: BG035505.D
 Acq: 29 Jun 2018 8:35

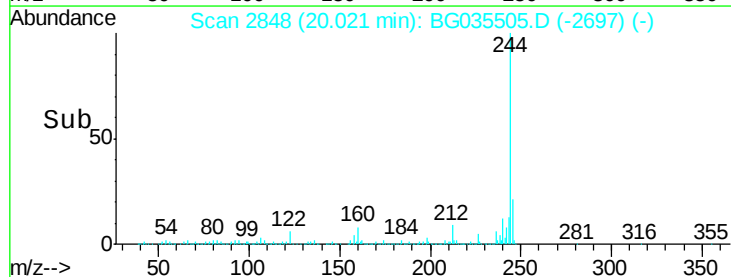
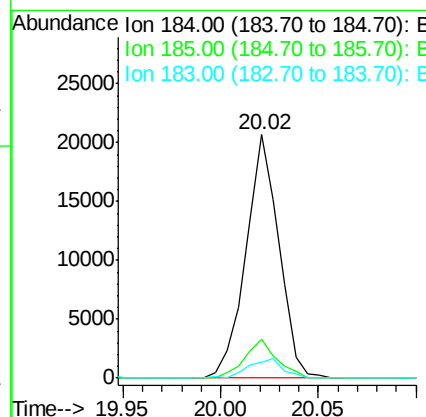
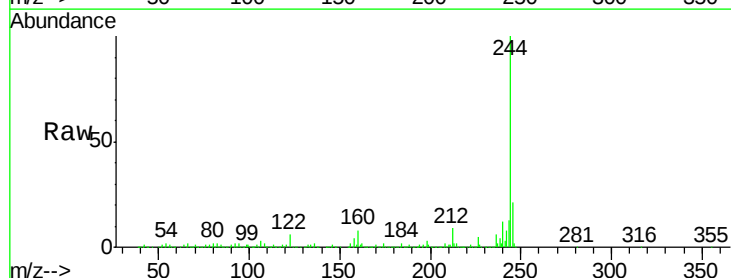
Instrument :
 BNA_F
 ClientSampleId :
 062518-TIPC-F-U-S

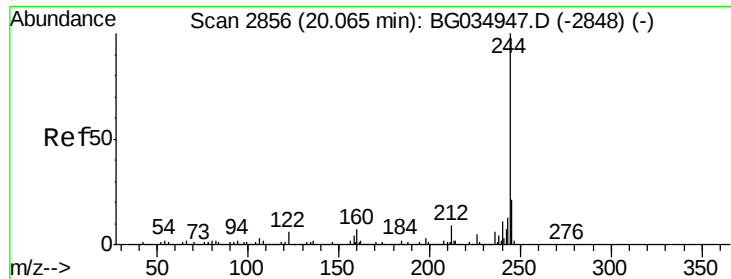
Tgt Ion:240 Resp: 268572
 Ion Ratio Lower Upper
 240 100
 120 4.8 6.8 10.2#
 236 25.3 20.9 31.3



#76
 Benzidine
 Concen: 2.416 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. 0.35 min
 Lab File: BG035505.D
 Acq: 29 Jun 2018 8:35

Tgt Ion:184 Resp: 24145
 Ion Ratio Lower Upper
 184 100
 185 15.7 11.1 16.7
 183 6.7 10.6 16.0#





#78

Terphenyl-d14

Concen: 109.723 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-S

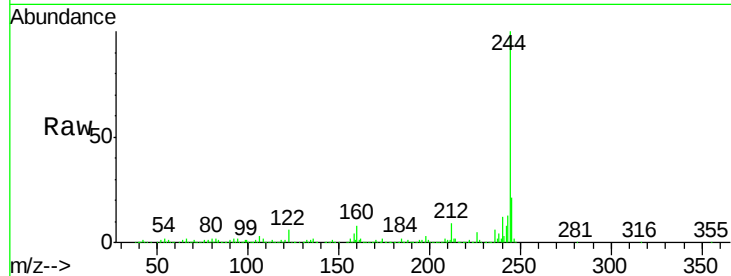
Tgt Ion:244 Resp: 1406834

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

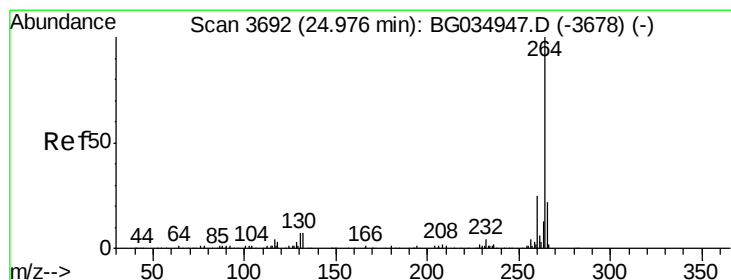
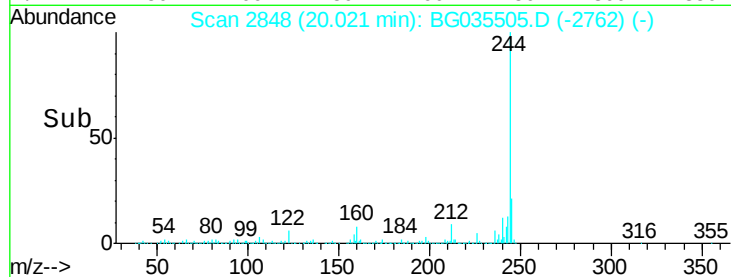
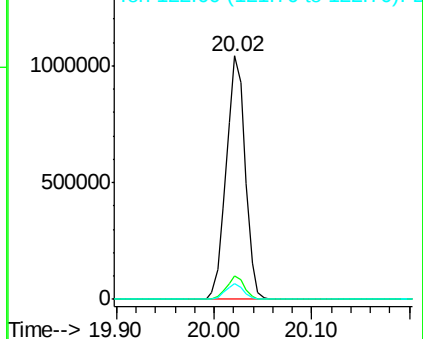
122 6.5 7.0 10.4#



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: 24.89 min Scan# 3677

Delta R.T. -0.06 min

Lab File: BG035505.D

Acq: 29 Jun 2018 8:35

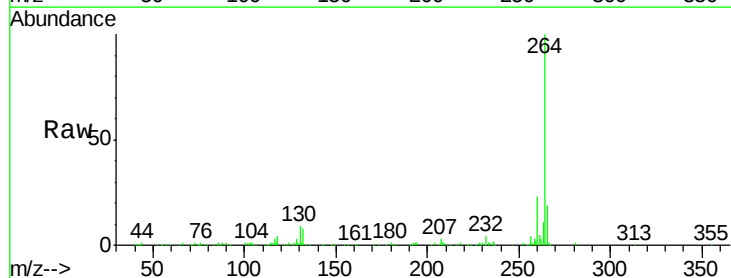
Tgt Ion:264 Resp: 254115

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 18.9 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

