

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062818\
 Data File : BG035504.D
 Acq On : 29 Jun 2018 7:57
 Operator : JU/SJ
 Sample : J3719-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jun 29 09:36:46 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

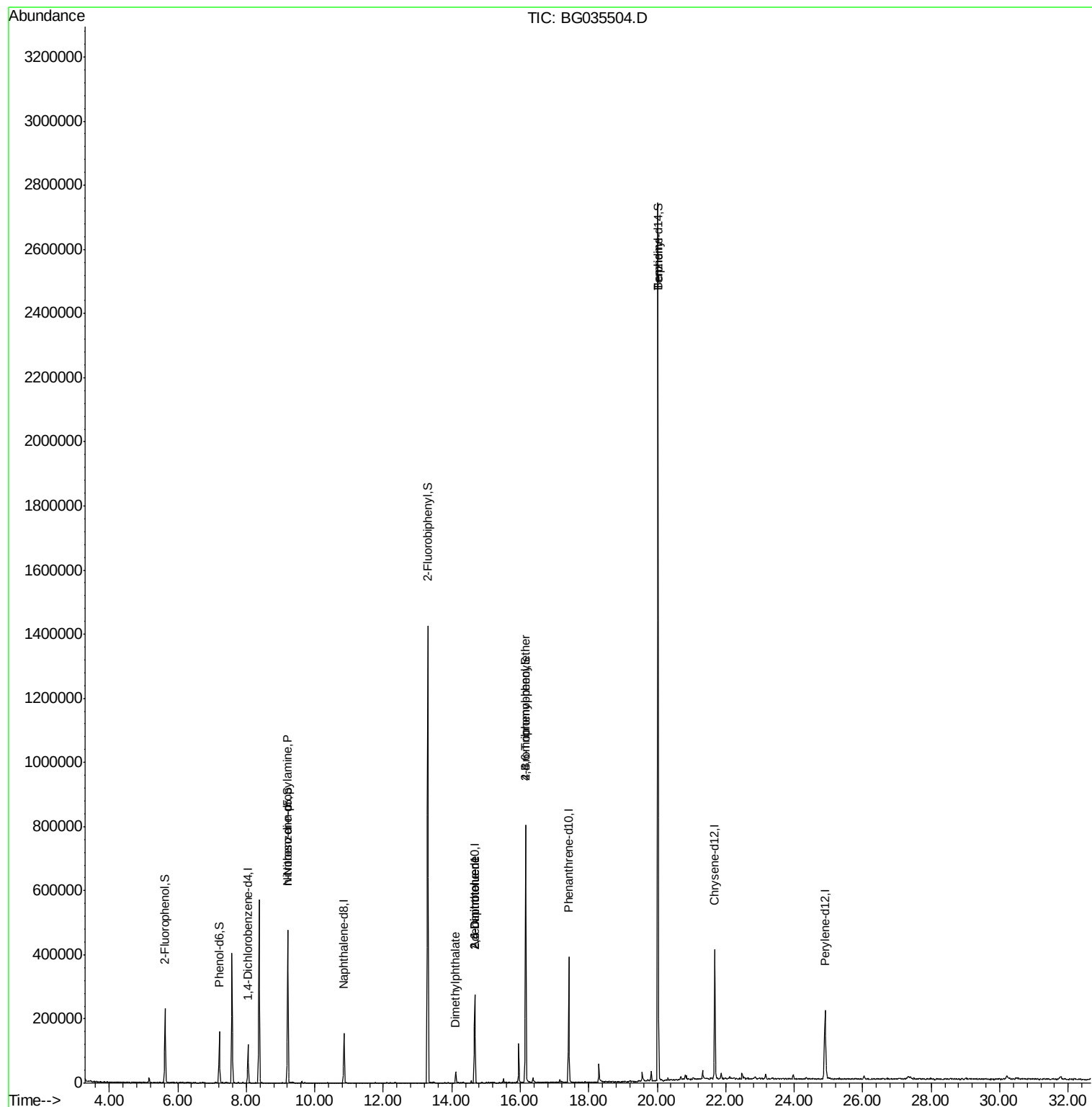
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	34254	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	126036	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	91664	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	252590	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	266813	20.00	ng	-0.04
86) Perylene-d12	24.89	264	250411	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	102196	50.35	ng	-0.02
7) Phenol-d6	7.21	99	96779	32.31	ng	-0.01
23) Nitrobenzene-d5	9.21	82	322903	121.78	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	152257	129.76	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	781649	110.85	ng	-0.03
78) Terphenyl-d14	20.02	244	1342816	105.42	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	43619	17.138	ng	# 64
49) Dimethylphthalate	14.12	163	23568	2.948	ng	# 97
50) 2,6-Dinitrotoluene	14.67	165	12718	8.721	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	12718	6.565	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	11993	3.943	ng	# 1
76) Benzidine	20.02	184	22957	2.313	ng	# 91

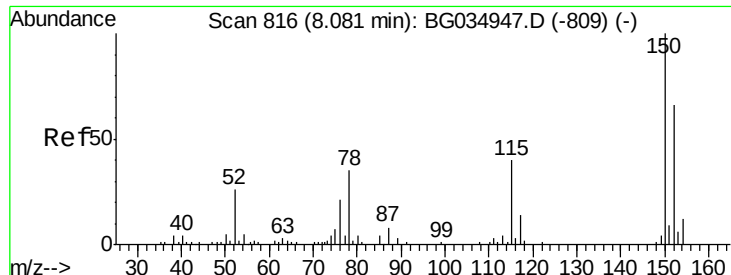
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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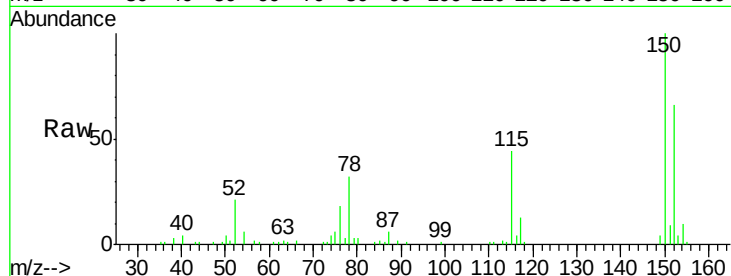


#1

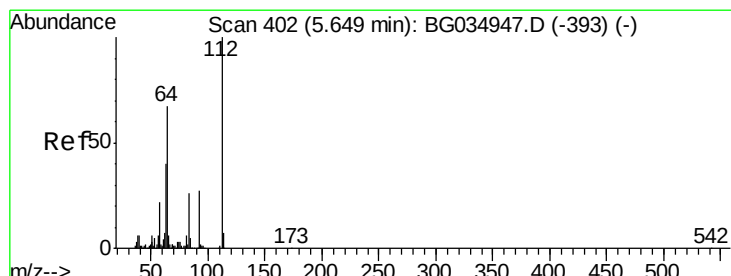
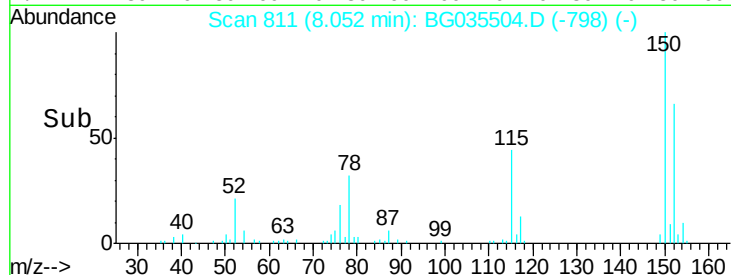
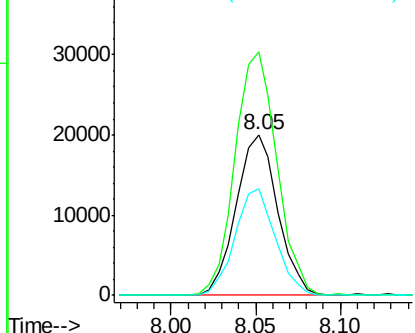
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035504.D
Acq: 29 Jun 2018 7:57

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

Tgt Ion:152 Resp: 34254
Ion Ratio Lower Upper
152 100
150 151.7 126.6 189.8
115 66.6 53.0 79.4



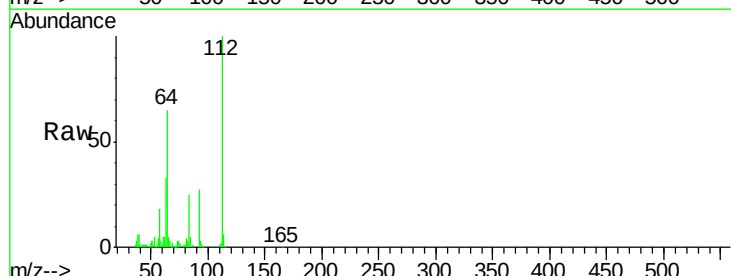
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



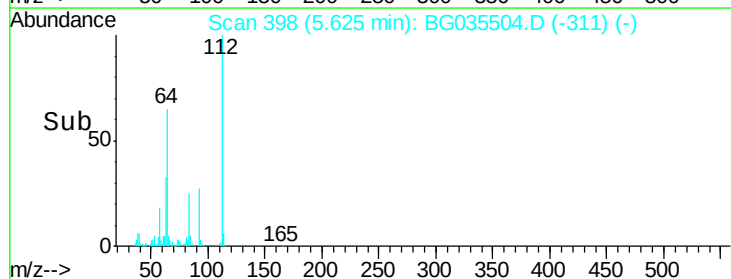
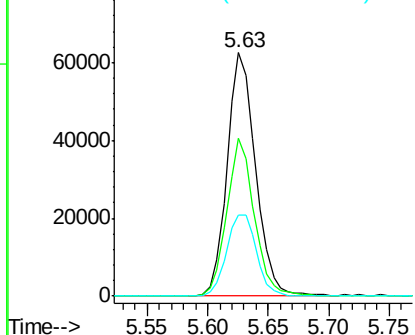
#5

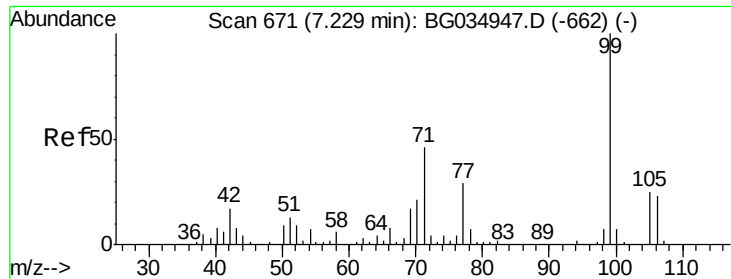
2-Fluorophenol
Concen: 50.349 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035504.D
Acq: 29 Jun 2018 7:57

Tgt Ion:112 Resp: 102196
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 33.2 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: 32.305 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-B

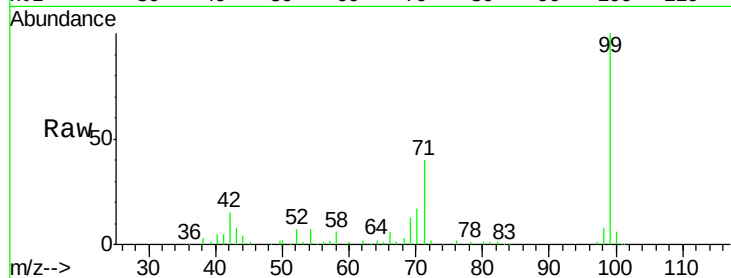
Tgt Ion: 99 Resp: 96779

Ion Ratio Lower Upper

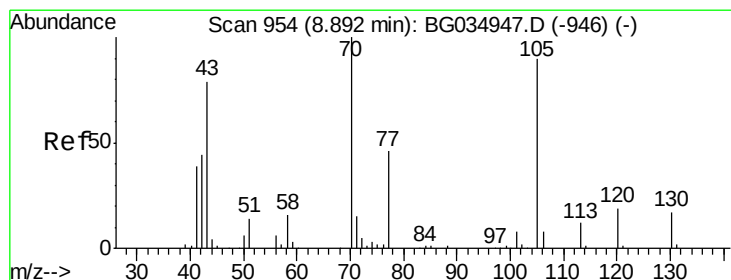
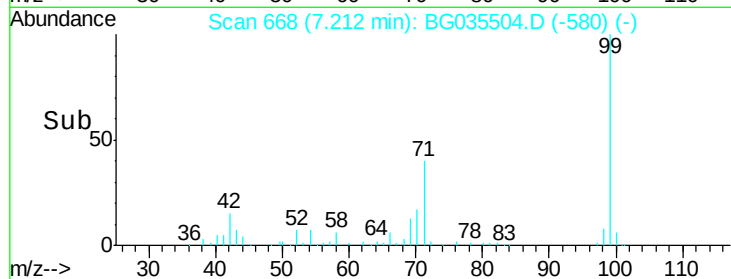
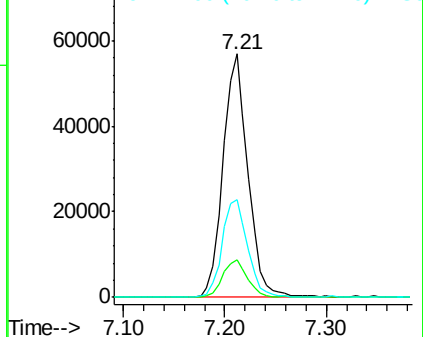
99 100

42 15.3 14.1 21.1

71 39.9 26.1 39.1#



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: 17.138 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

Tgt Ion: 70 Resp: 43619

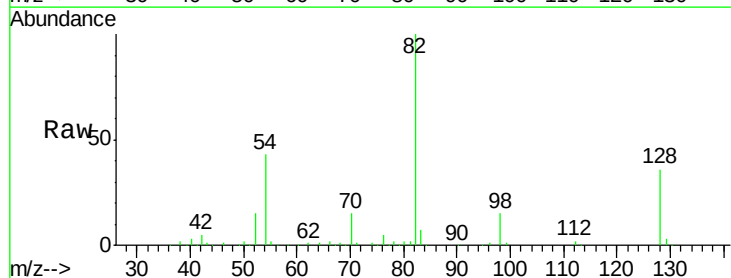
Ion Ratio Lower Upper

70 100

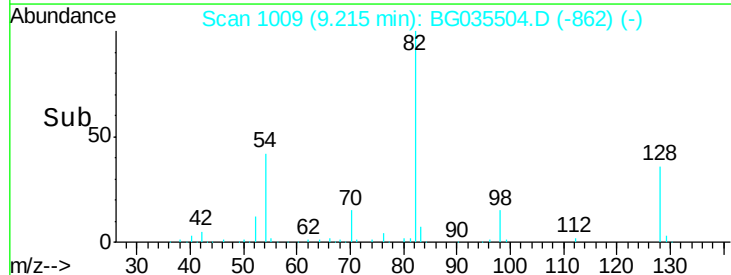
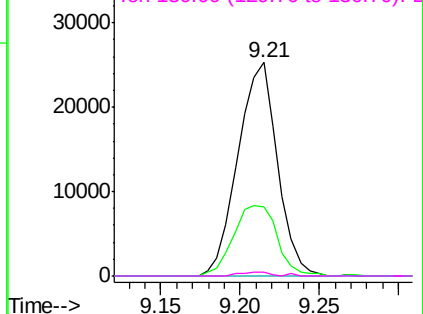
42 32.3 49.1 73.7#

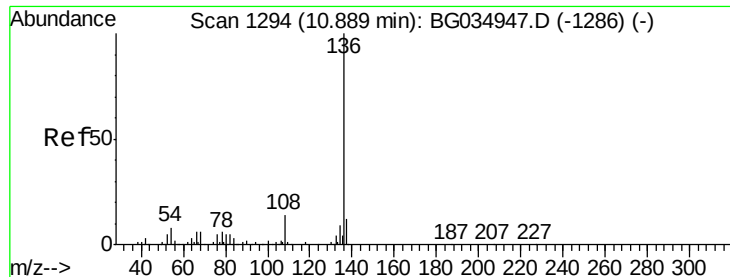
101 0.0 8.5 12.7#

130 1.7 13.4 20.0#



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

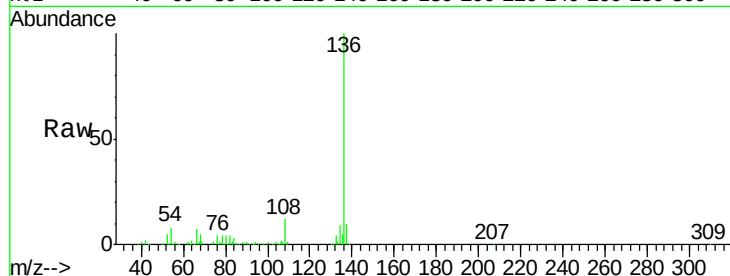




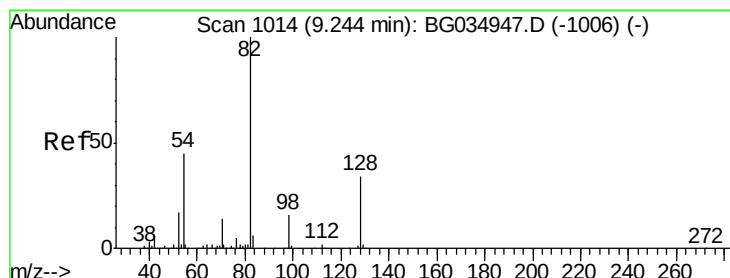
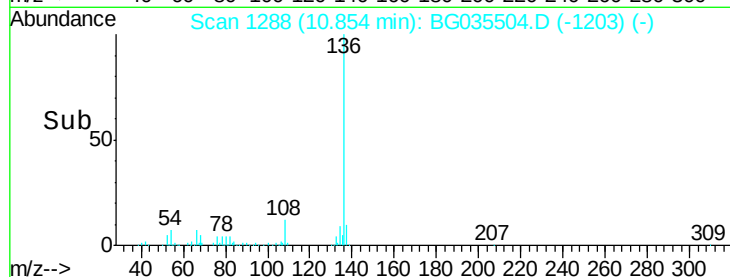
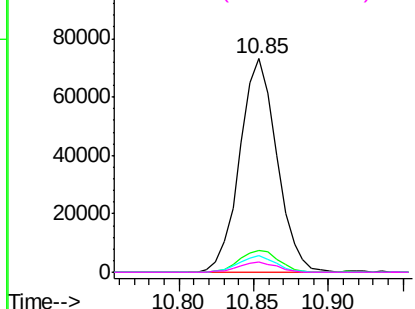
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035504.D
Acq: 29 Jun 2018 7:57

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

Tgt Ion:	136	Resp:	126036
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.6	10.3	15.5#
68	4.8	4.5	6.7

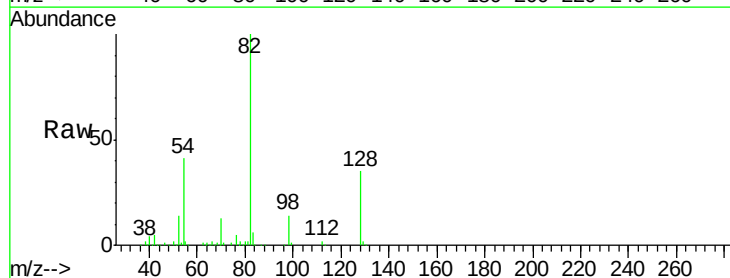


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

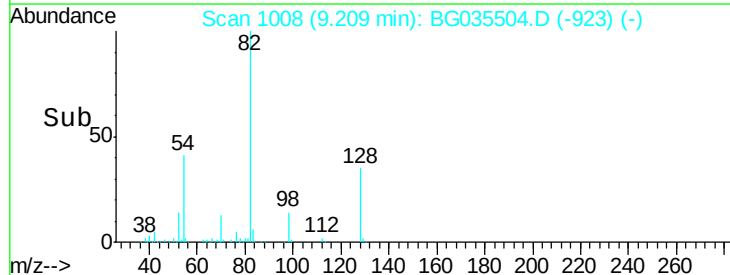
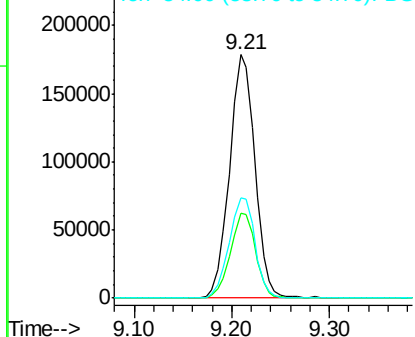


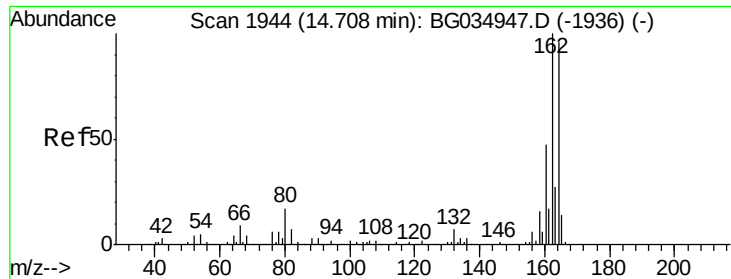
#23
Nitrobenzene-d5
Concen: 121.783 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035504.D
Acq: 29 Jun 2018 7:57

Tgt Ion:	82	Resp:	322903
Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.7	44.5
54	41.3	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# 1938

Delta R.T. -0.02 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-B

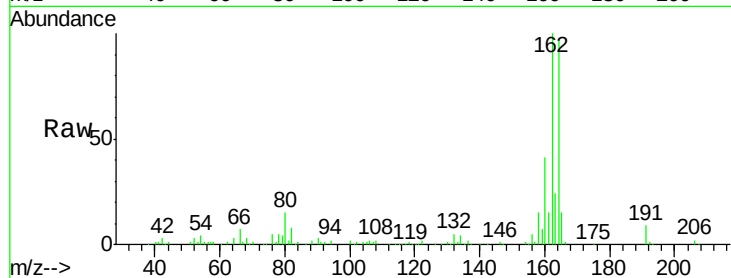
Tgt Ion:164 Resp: 91664

Ion Ratio Lower Upper

164 100

162 103.2 78.8 118.2

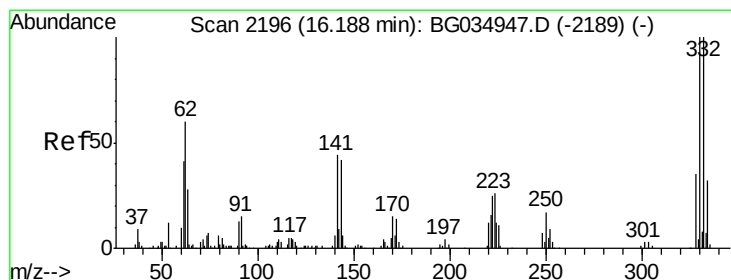
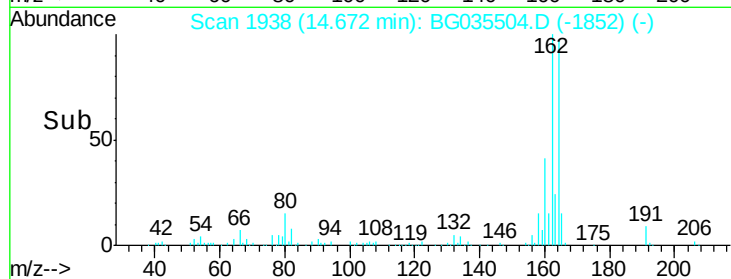
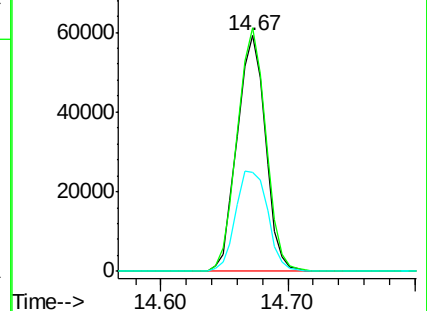
160 42.2 35.4 53.0



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: 129.755 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

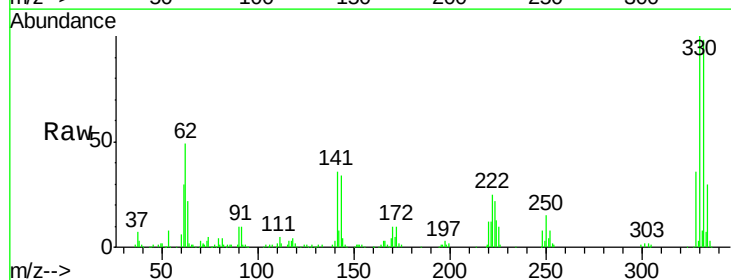
Tgt Ion:330 Resp: 152257

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

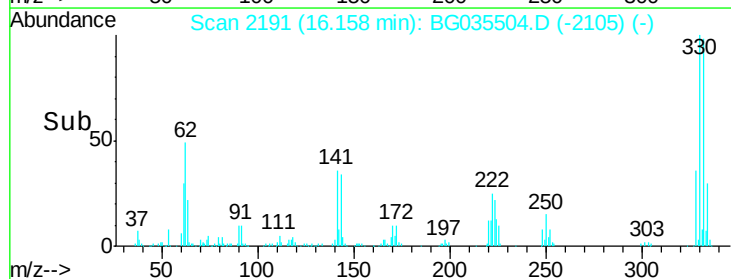
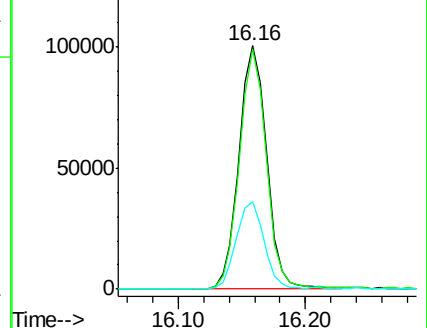
141 36.2 25.2 37.8

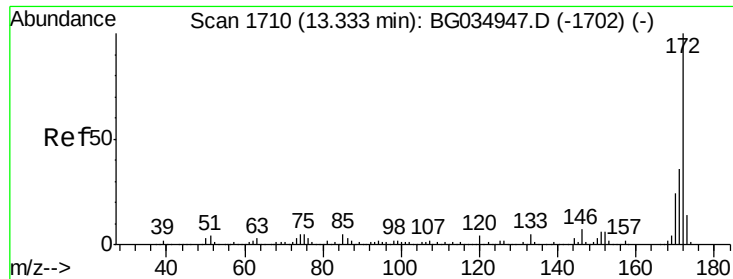


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

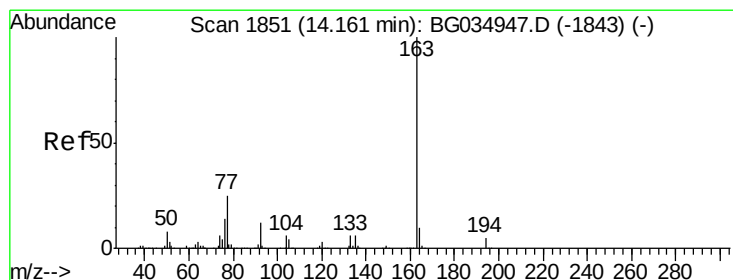
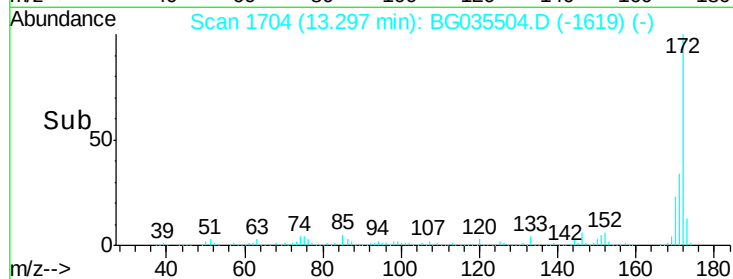
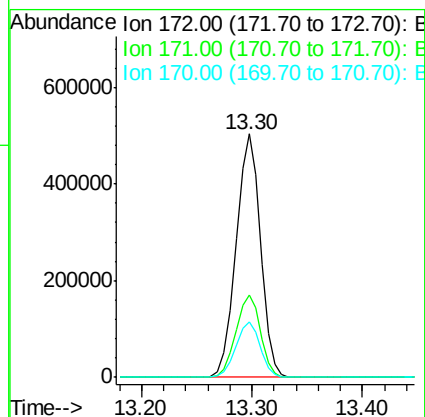
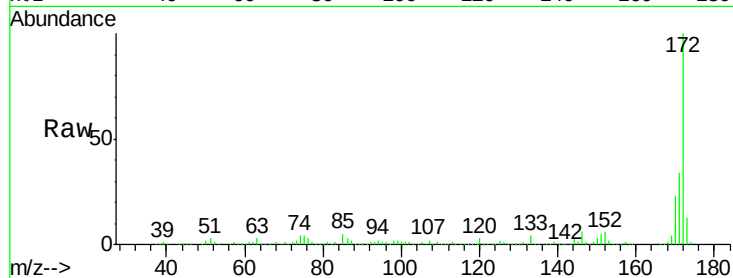




#44
2-Fluorobiphenyl
Concen: 110.855 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035504.D
Acq: 29 Jun 2018 7:57

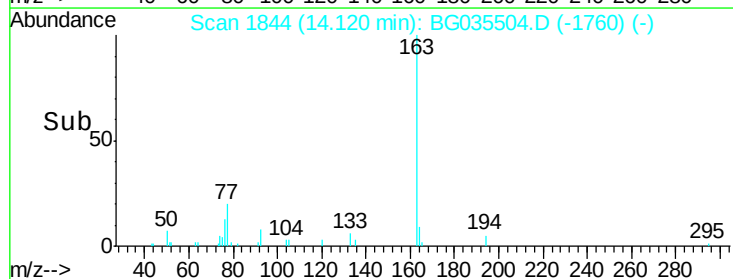
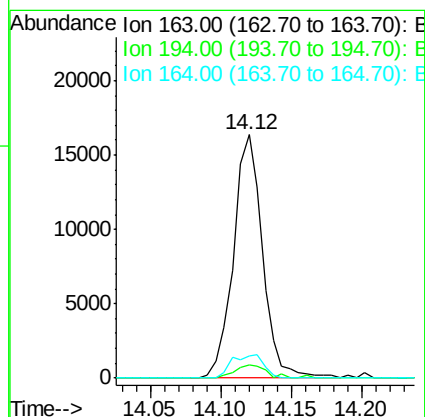
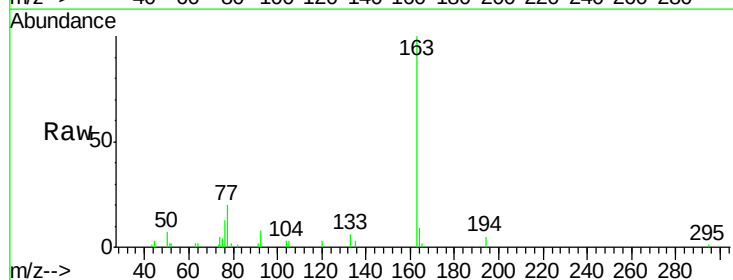
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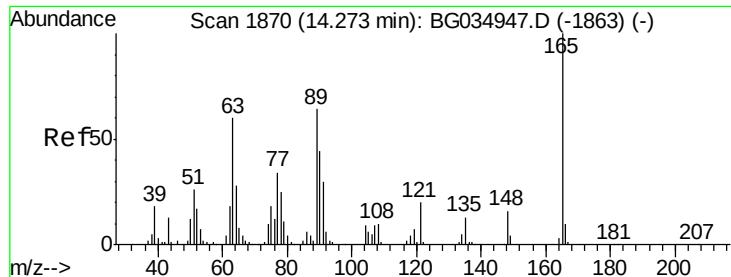
Tgt Ion:	172	Resp:	781649
Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.0	45.0
170	22.6	19.5	29.3



#49
Dimethylphthalate
Concen: 2.948 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.04 min
Lab File: BG035504.D
Acq: 29 Jun 2018 7:57

Tgt Ion:	163	Resp:	23568
Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.4	5.2#
164	9.0	8.2	12.4

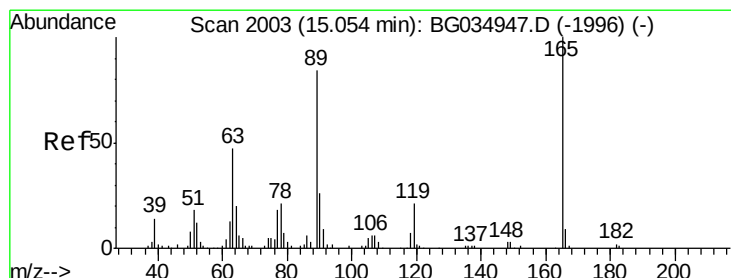
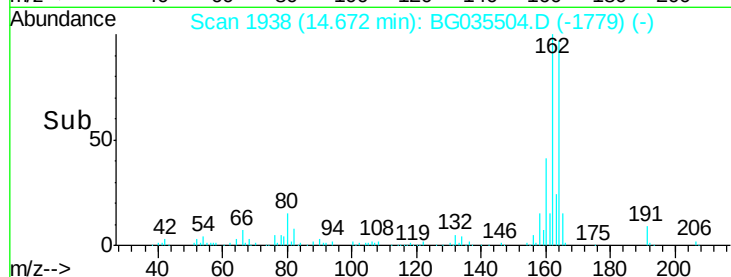
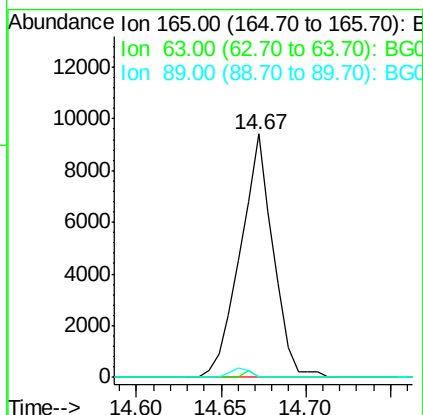
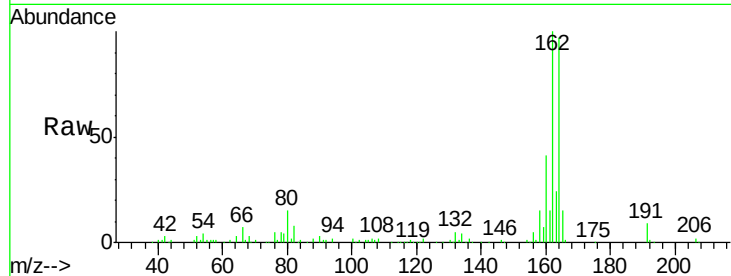




#50
 2,6-Dinitrotoluene
 Concen: 8.721 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.40 min
 Lab File: BG035504.D
 Acq: 29 Jun 2018 7:57

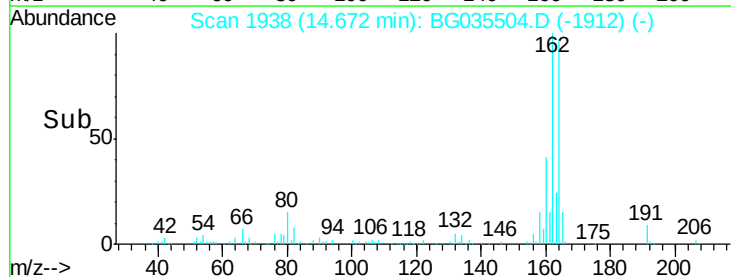
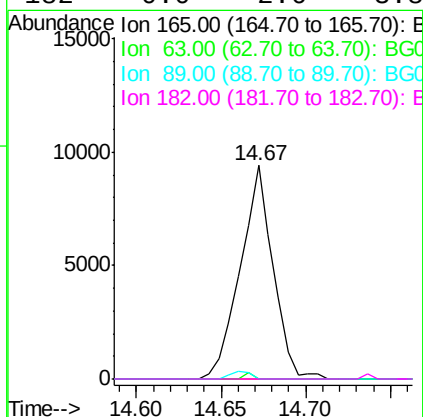
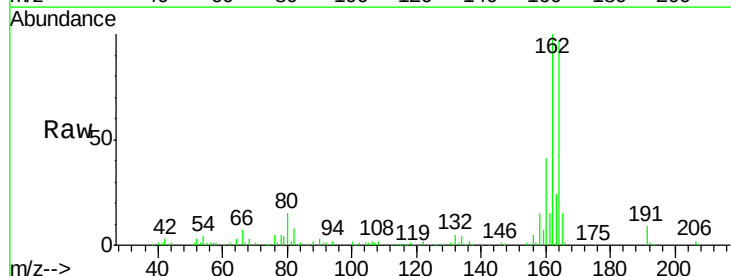
Instrument :
 BNA_F
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 062518-TIPC-F-U-B

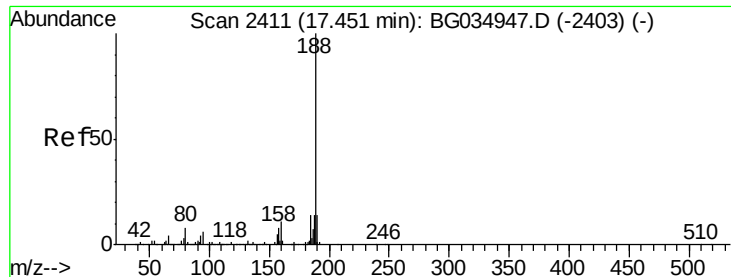
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.565 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035504.D
 Acq: 29 Jun 2018 7:57

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-B

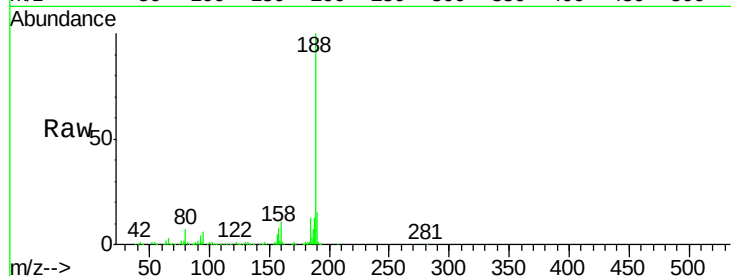
Tgt Ion:188 Resp: 252590

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

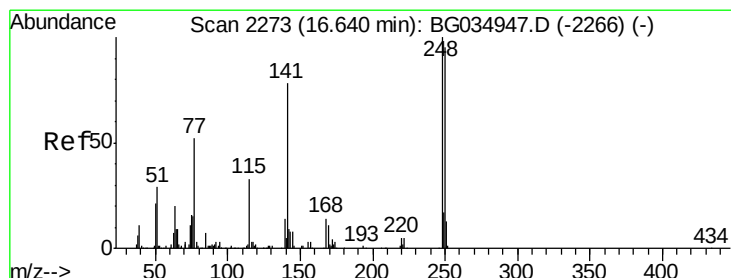
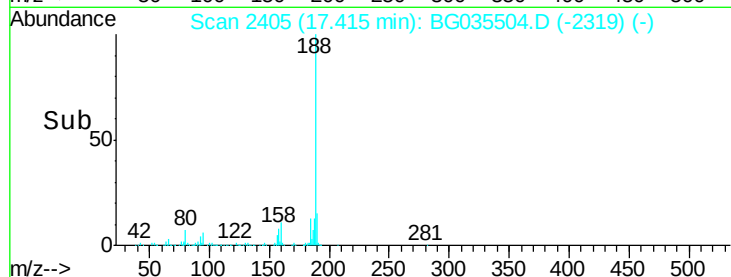
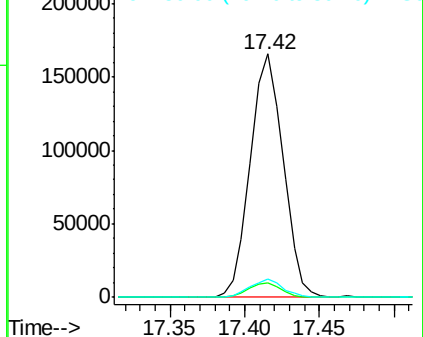
80 7.3 7.7 11.5#



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: 3.943 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

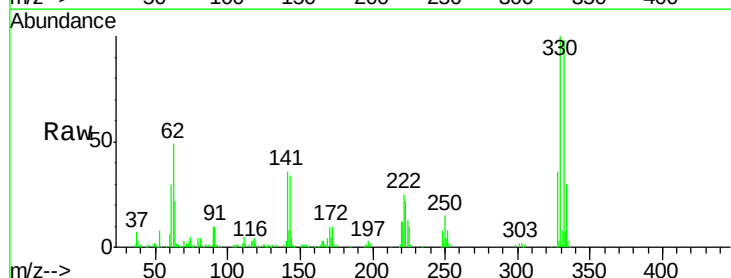
Tgt Ion:248 Resp: 11993

Ion Ratio Lower Upper

248 100

250 190.9 77.1 115.7#

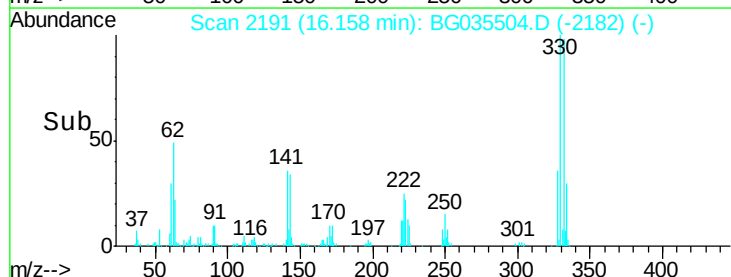
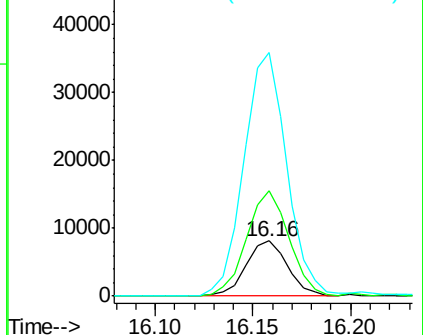
141 441.0 50.8 76.2#

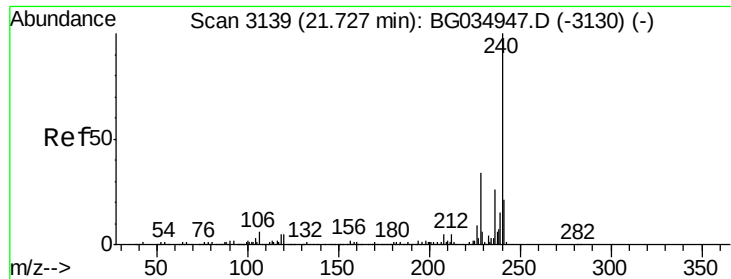


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3131

Delta R.T. -0.04 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-B

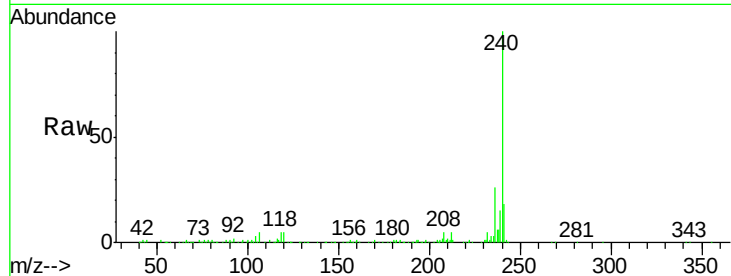
Tgt Ion:240 Resp: 266813

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

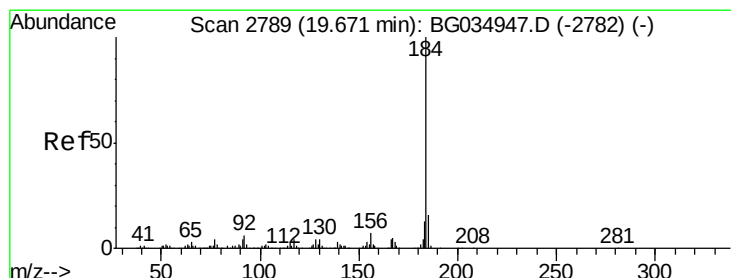
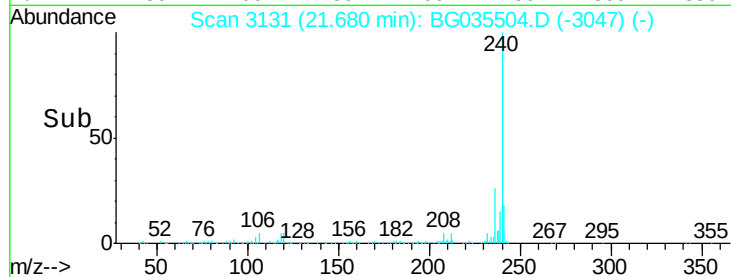
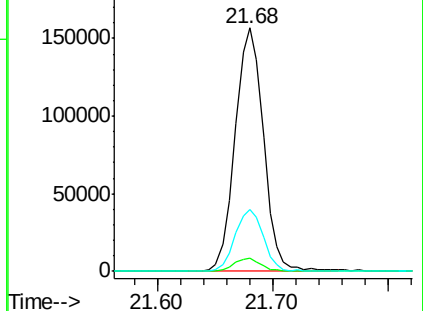
236 25.6 20.9 31.3



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: 2.313 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

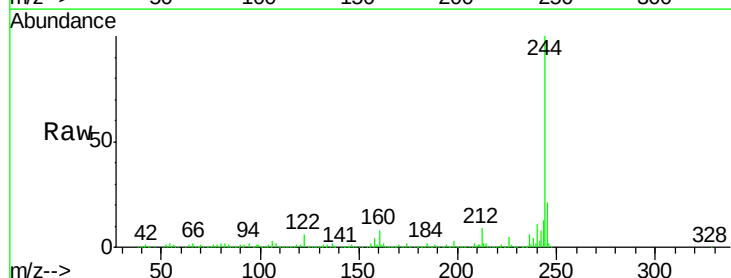
Tgt Ion:184 Resp: 22957

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

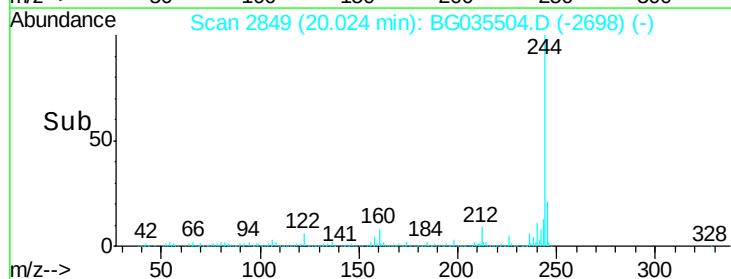
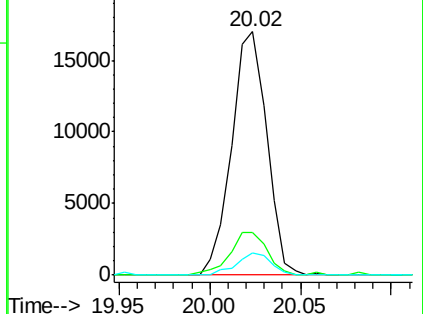
183 9.3 10.6 16.0#

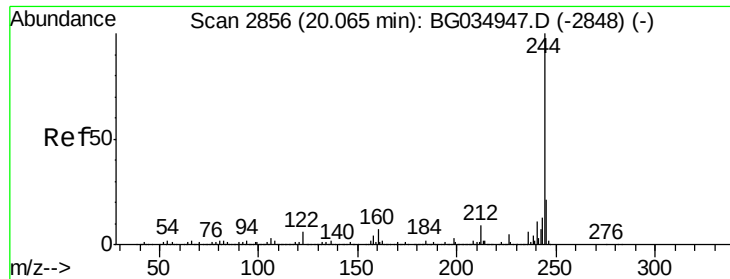


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.421 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

Instrument :

BNA_F

ClientSampleId :

062518-TIPC-F-U-B

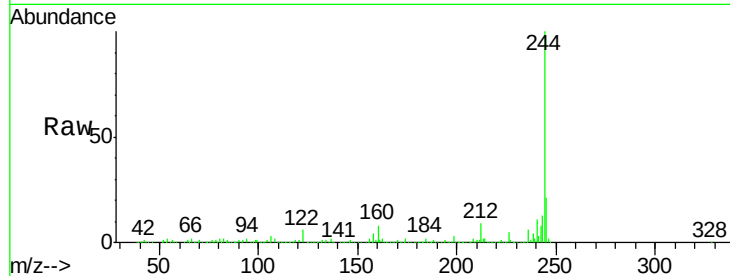
Tgt Ion:244 Resp: 1342816

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

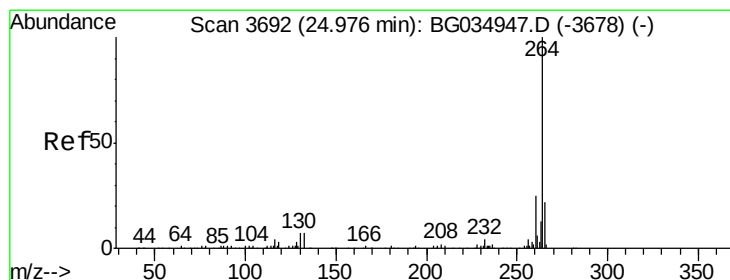
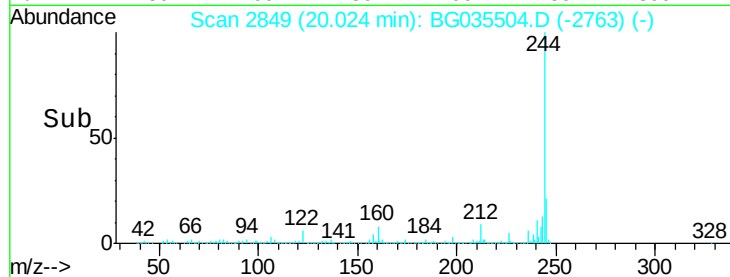
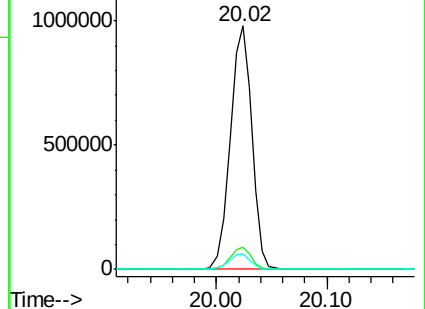
122 6.3 7.0 10.4#



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# 3678

Delta R.T. -0.06 min

Lab File: BG035504.D

Acq: 29 Jun 2018 7:57

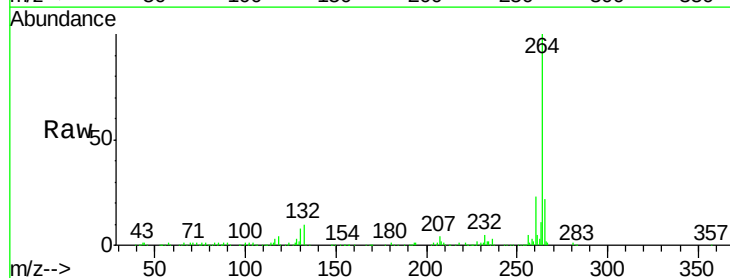
Tgt Ion:264 Resp: 250411

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.7 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

