

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072618\
 Data File : BG035919.D
 Acq On : 26 Jul 2018 21:48
 Operator : JU/SJ
 Sample : J4164-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

Quant Time: Jul 27 01:28:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

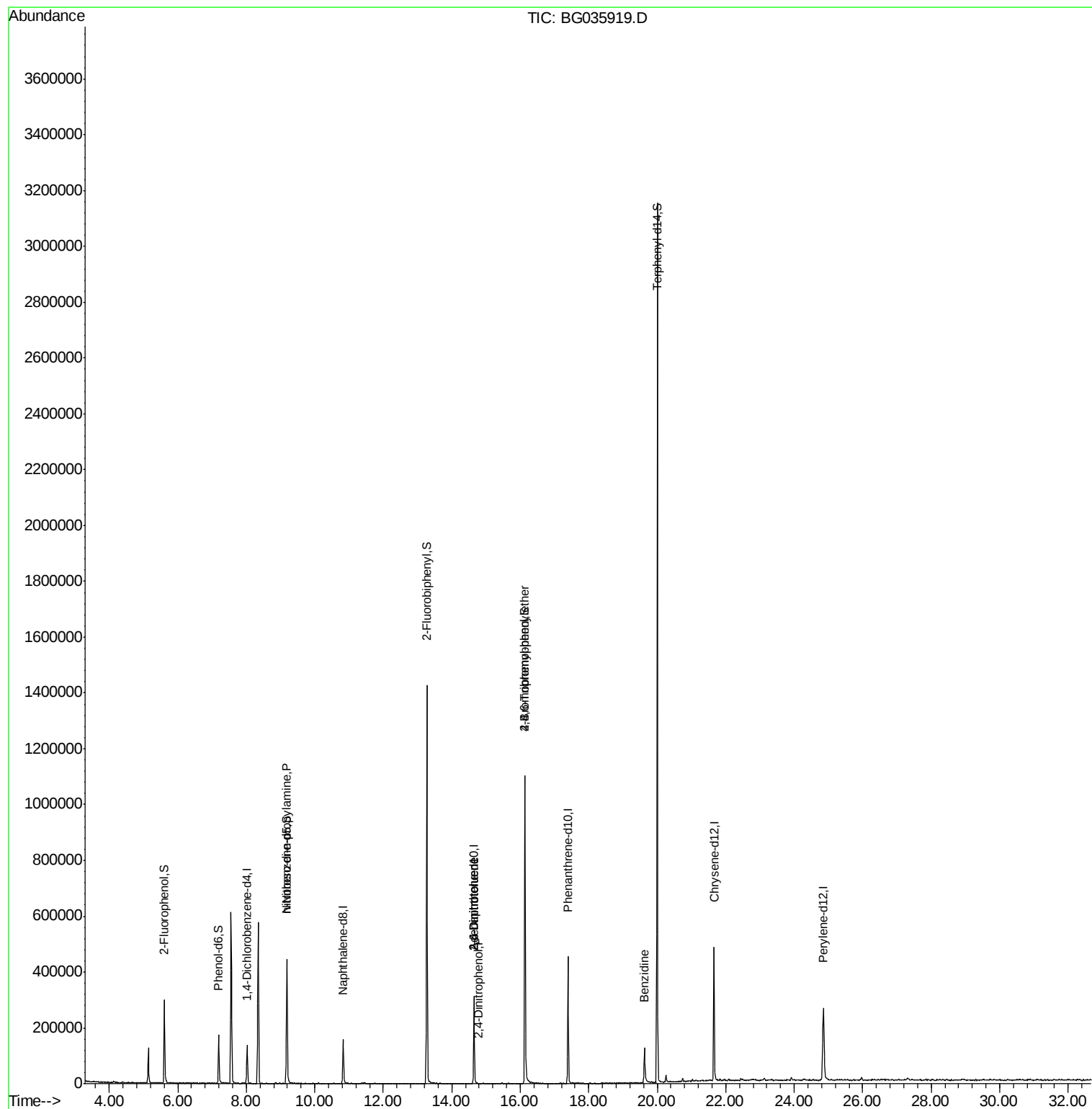
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	40501	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	149305	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	113614	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	311843	20.00	ng	0.00
75) Chrysene-d12	21.66	240	326314	20.00	ng	0.00
86) Perylene-d12	24.85	264	302388	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	138418	56.74	ng	0.00
7) Phenol-d6	7.19	99	116462	32.00	ng	0.00
23) Nitrobenzene-d5	9.19	82	320463	89.66	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	219073	146.29	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	795080	93.76	ng	0.00
78) Terphenyl-d14	20.00	244	1424336	96.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	44322	14.461	ng	# 66
50) 2,6-Dinitrotoluene	14.65	165	15987	7.887	ng	# 18
53) 2,4-Dinitrophenol	14.80	184	54	6.630	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	15987	5.497	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	17932	4.956	ng	# 1
76) Benzidine	19.62	184	112334	13.094	ng	99

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

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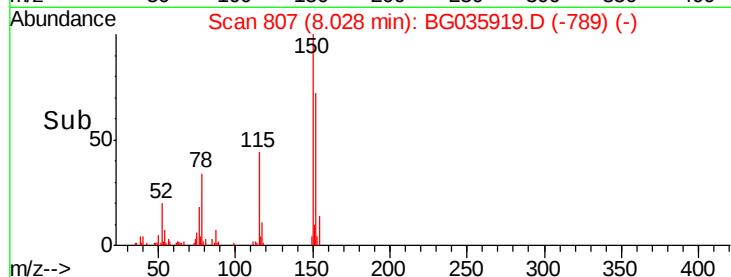
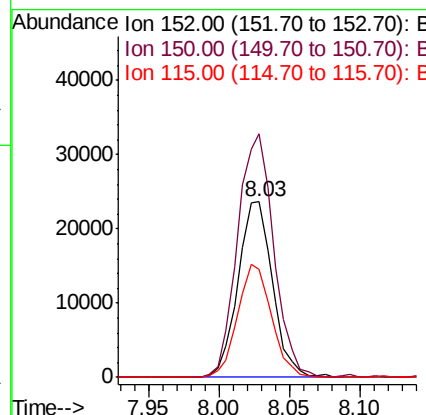
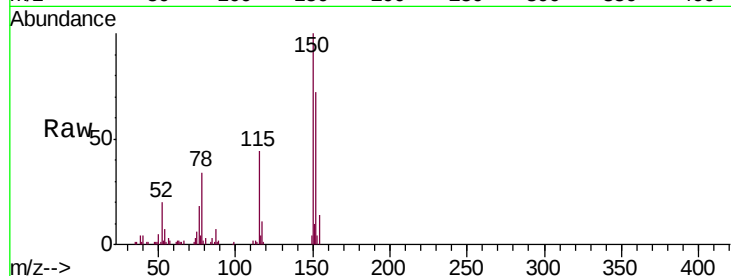


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

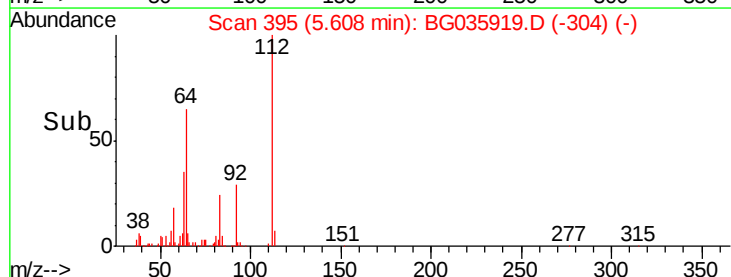
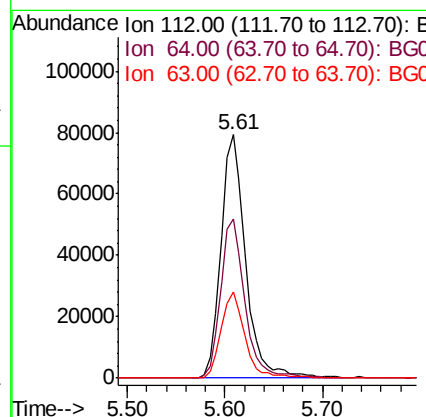
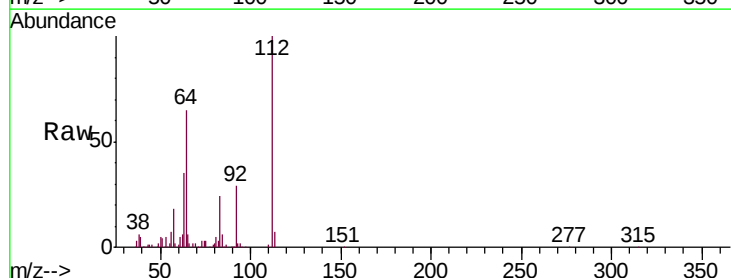
Tgt Ion:152 Resp: 40501
 Ion Ratio Lower Upper
 152 100
 150 138.7 126.6 189.8
 115 61.3 53.0 79.4

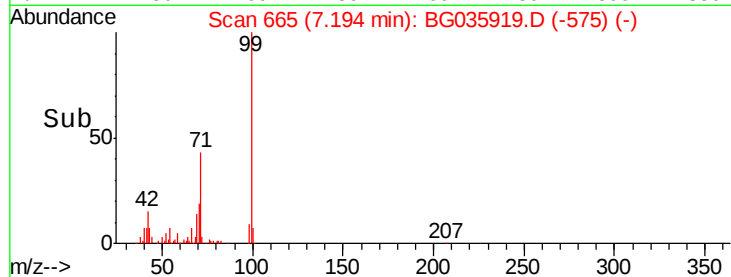
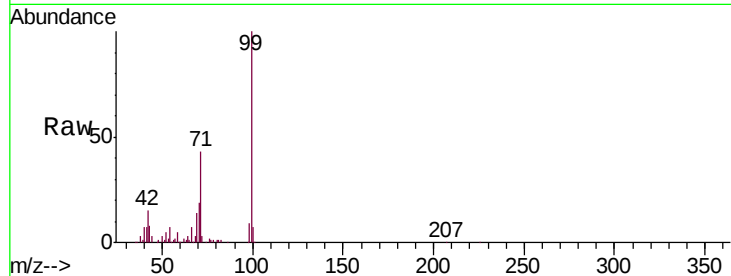


#5

2-Fluorophenol
 Concen: 56.741 ng
 RT: 5.61 min Scan# 395
 Delta R.T. 0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Tgt Ion:112 Resp: 138418
 Ion Ratio Lower Upper
 112 100
 64 65.5 56.3 84.5
 63 35.4 30.1 45.1





#7

Phenol-d6

Concen: 31.998 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampleId :

FB-072518

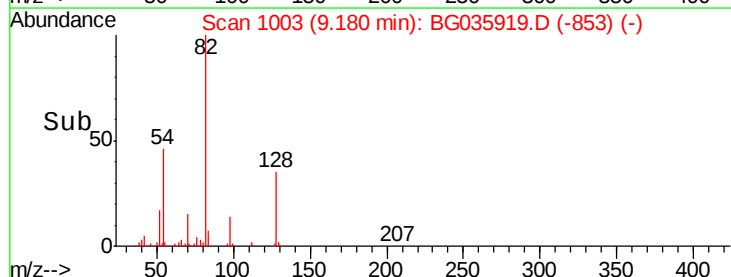
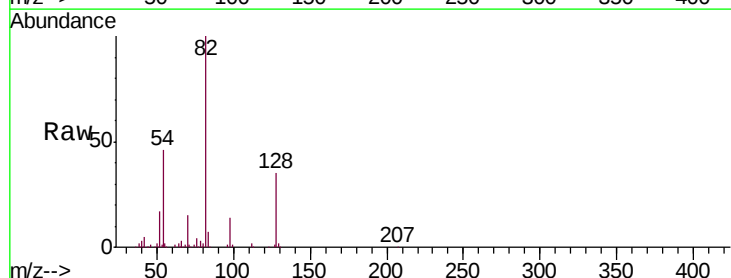
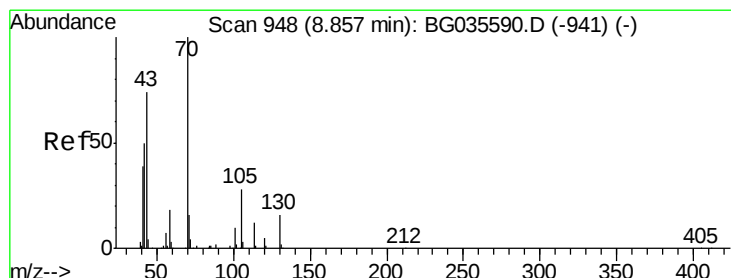
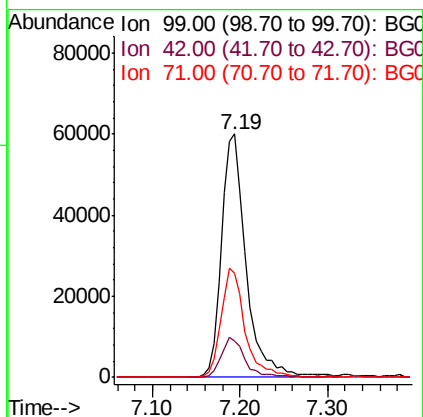
Tgt Ion: 99 Resp: 116462

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

71 42.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.461 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Tgt Ion: 70 Resp: 44322

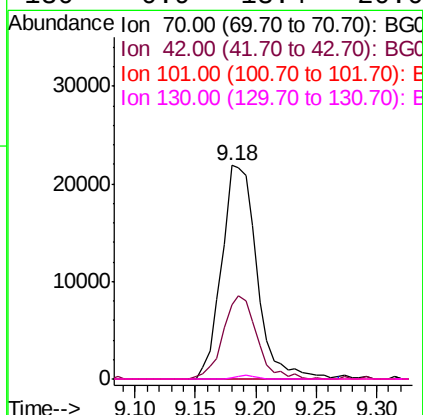
Ion Ratio Lower Upper

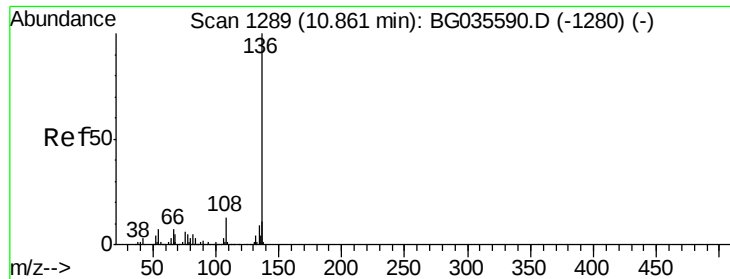
70 100

42 35.0 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 13.4 20.0#

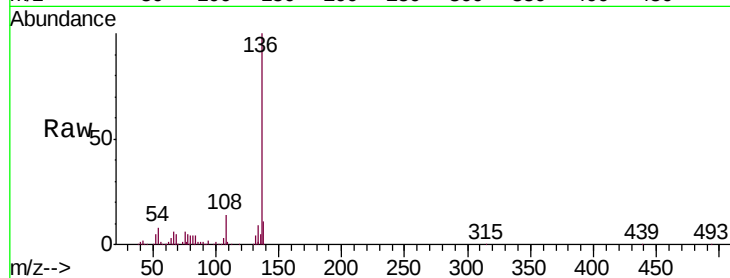




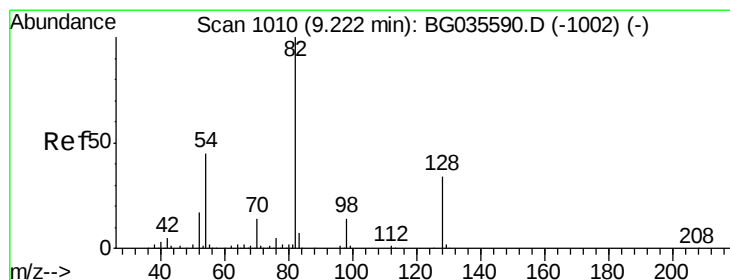
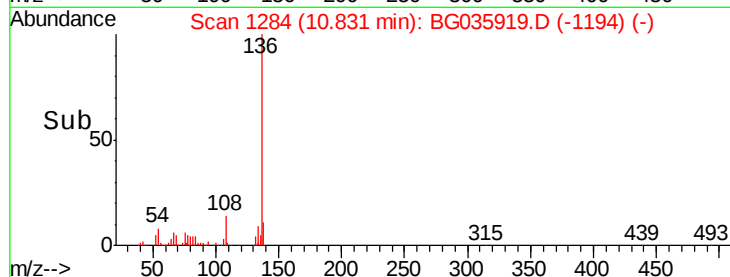
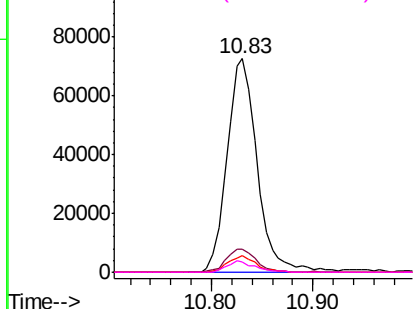
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035919.D
Acq: 26 Jul 2018 21:48

Instrument :
BNA_G
ClientSampleId :
FB-072518

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.8	10.3	15.5#
68	4.7	4.5	6.7

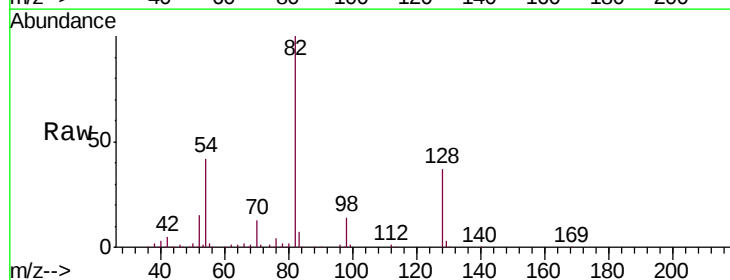


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

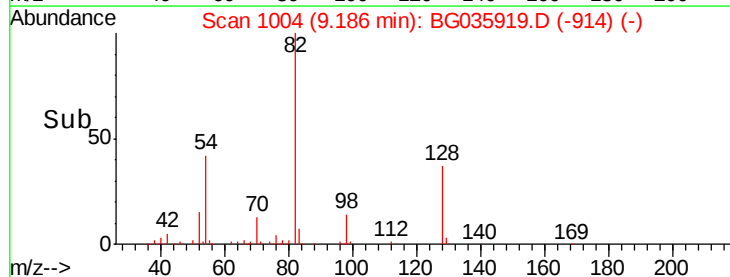
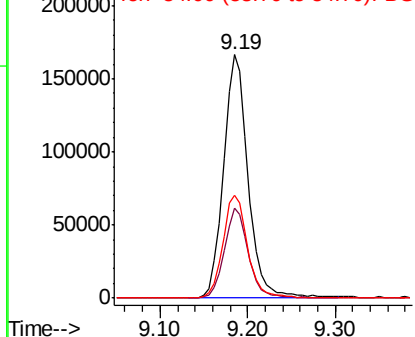


#23
Nitrobenzene-d5
Concen: 89.664 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035919.D
Acq: 26 Jul 2018 21:48

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.7	44.5
54	42.5	43.1	64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampleId :

FB-072518

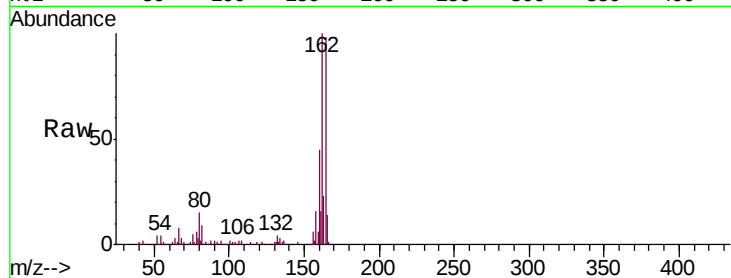
Tgt Ion:164 Resp: 113614

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

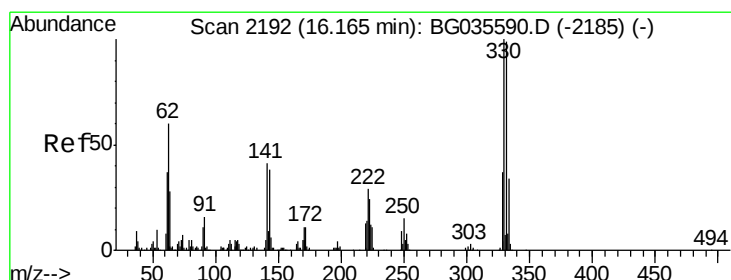
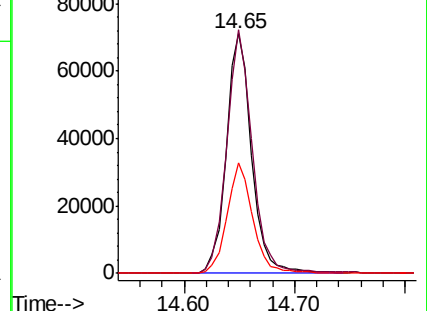
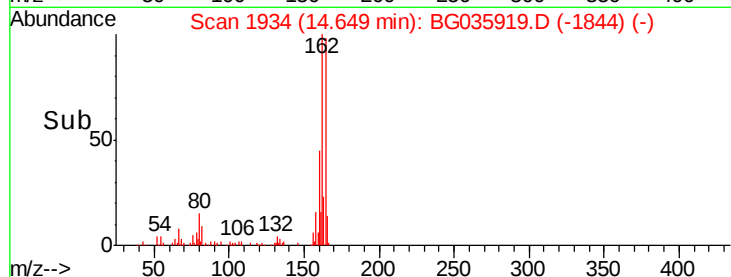
160 45.9 35.4 53.0



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: 146.292 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

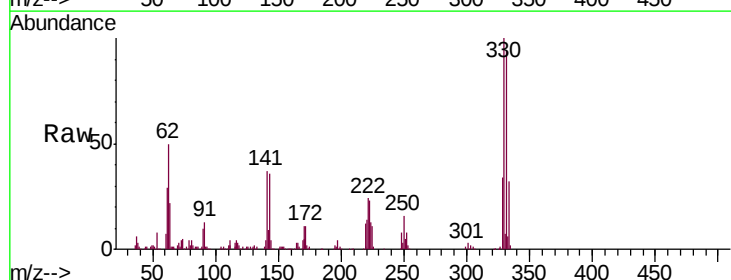
Tgt Ion:330 Resp: 219073

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

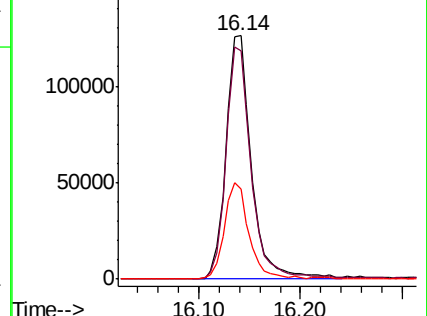
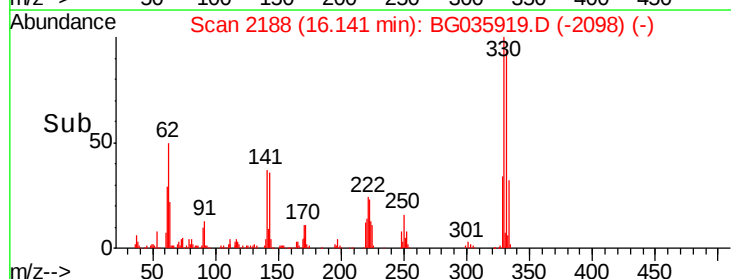
141 38.3 25.2 37.8#

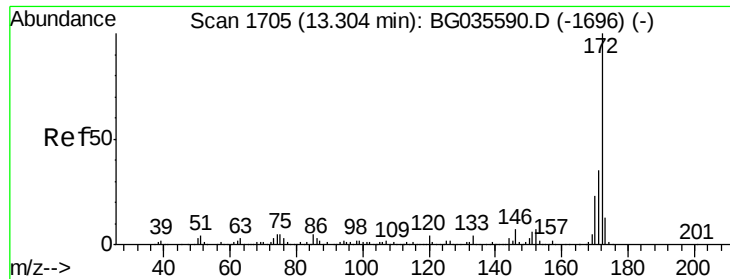


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

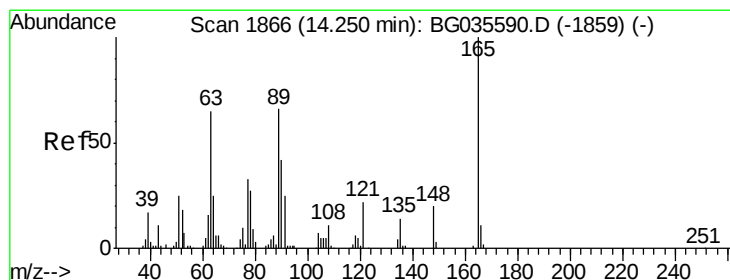
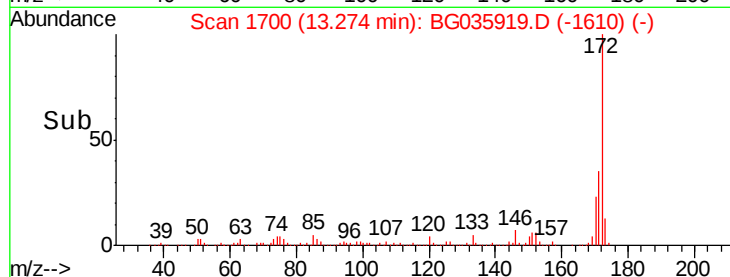
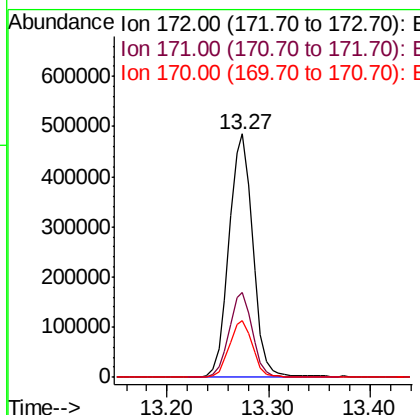
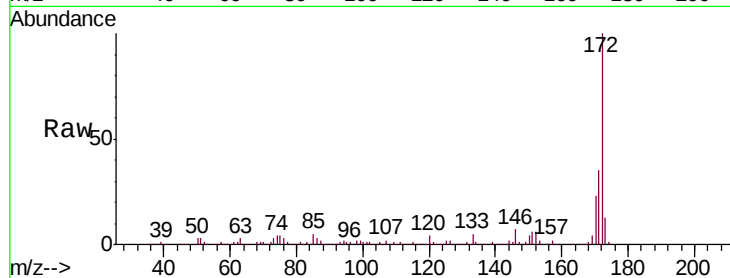




#44
 2-Fluorobiphenyl
 Concen: 93.756 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

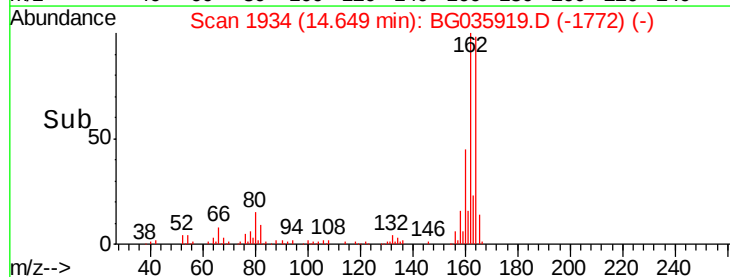
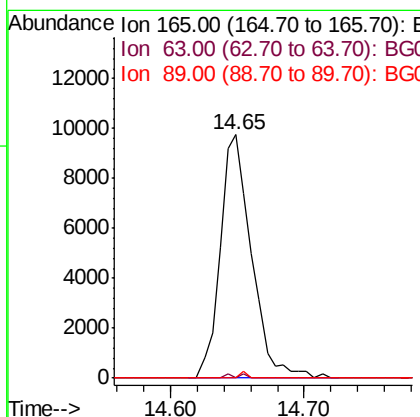
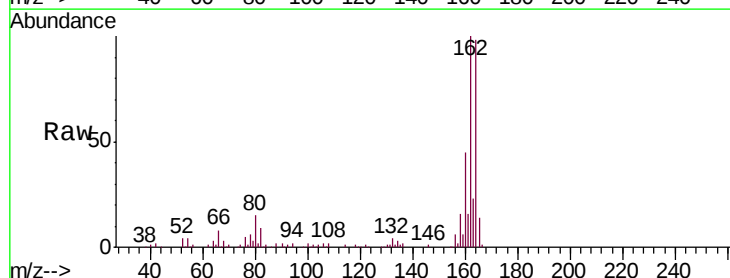
Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

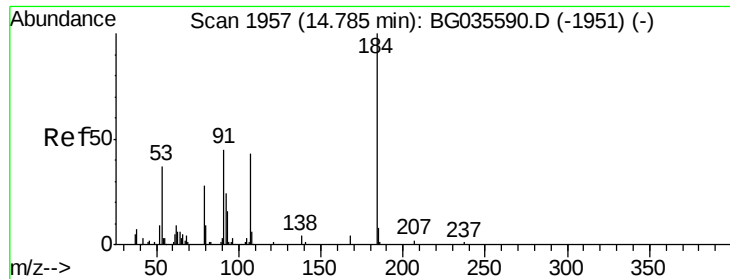
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.0	45.0
170	23.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.887 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

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





#53

2,4-Dinitrophenol

Concen: 6.630 ng

RT: 14.80 min Scan# 1959

Delta R.T. 0.03 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

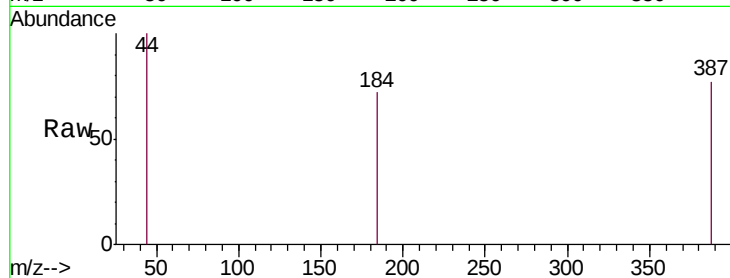
BNA_G

ClientSampleId :

FB-072518

Tgt Ion:184 Resp: 54

Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#

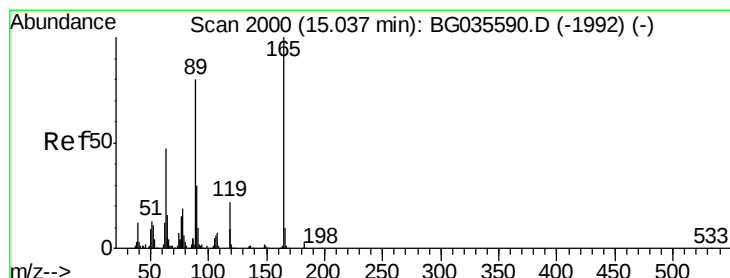
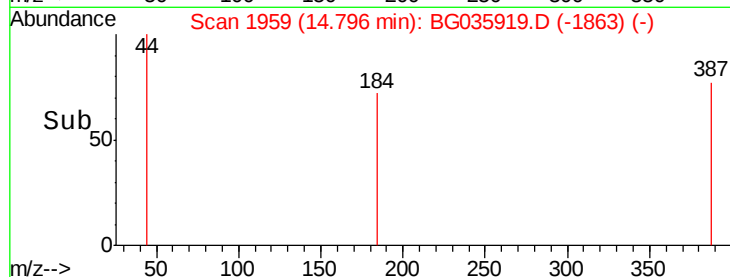
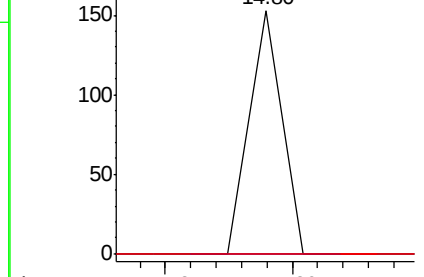


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.80



#56

2,4-Dinitrotoluene

Concen: 5.497 ng

RT: 14.65 min Scan# 1934

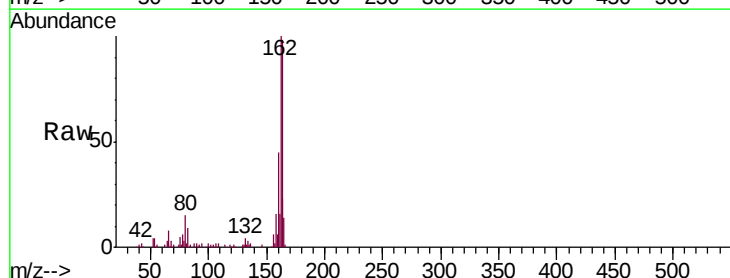
Delta R.T. -0.37 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Tgt Ion:165 Resp: 15987

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#



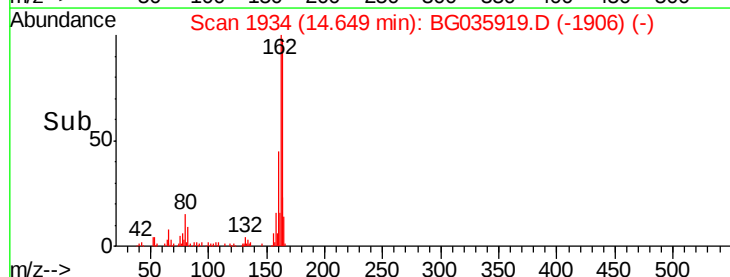
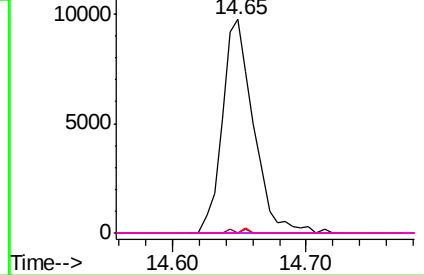
Abundance Ion 165.00 (164.70 to 165.70): E

15000 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

14.65

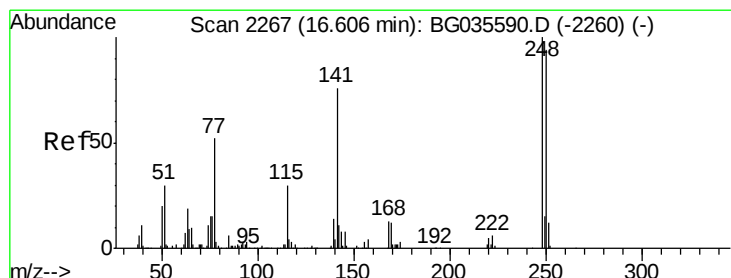
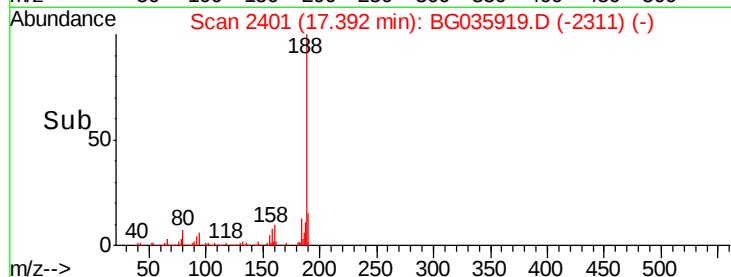
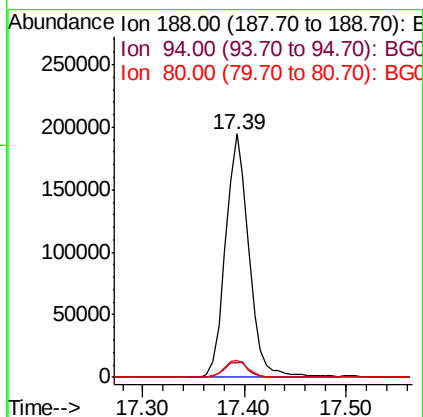
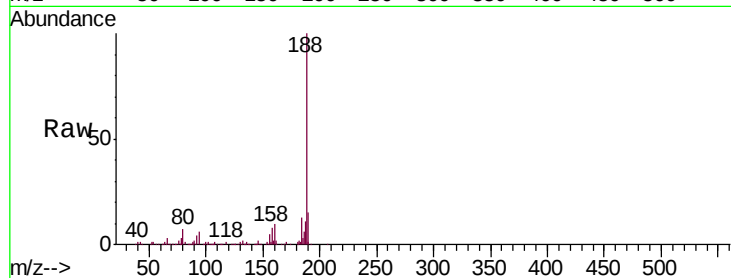




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

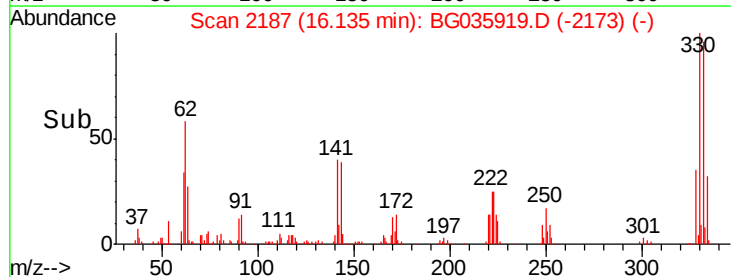
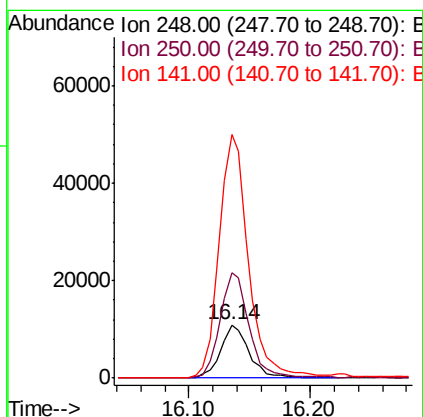
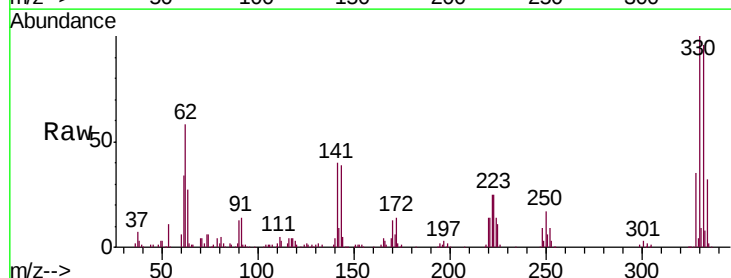
Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

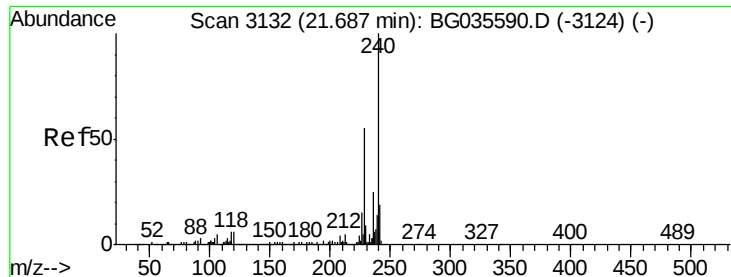
Tgt Ion:188 Resp: 311843
 Ion Ratio Lower Upper
 188 100
 94 5.8 6.9 10.3#
 80 6.9 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 4.956 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Tgt Ion:248 Resp: 17932
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.1 115.7#
 141 459.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampleId :

FB-072518

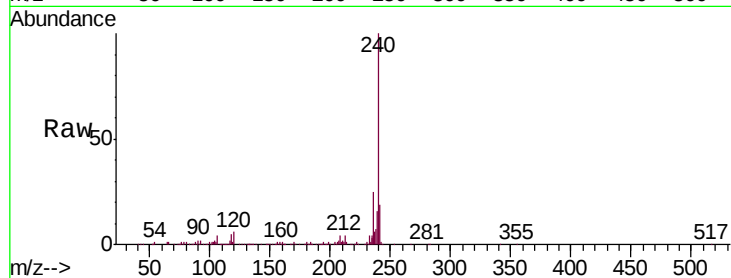
Tgt Ion:240 Resp: 326314

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

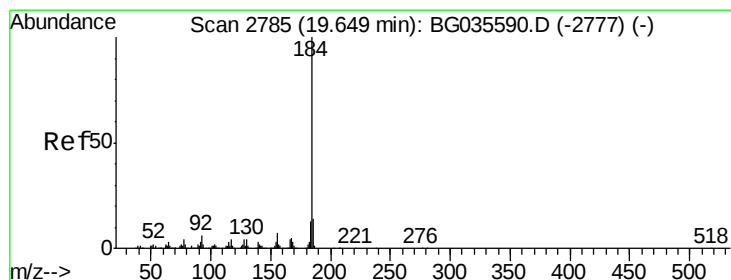
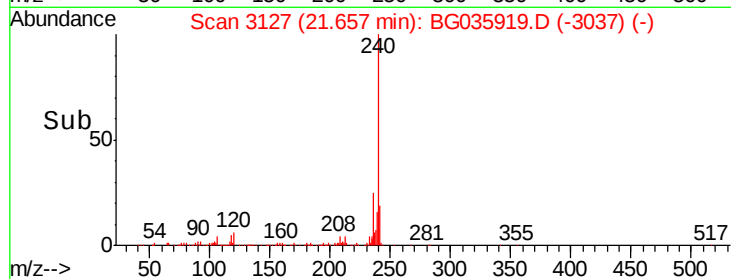
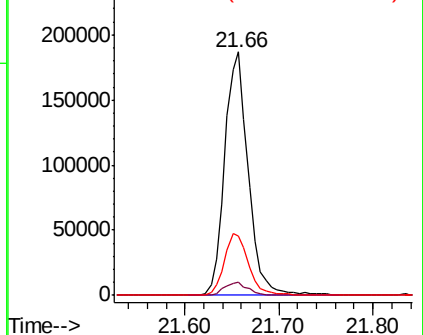
236 24.6 20.9 31.3



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: 13.094 ng

RT: 19.62 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

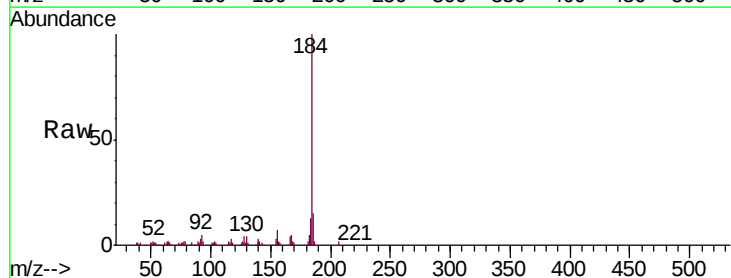
Tgt Ion:184 Resp: 112334

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

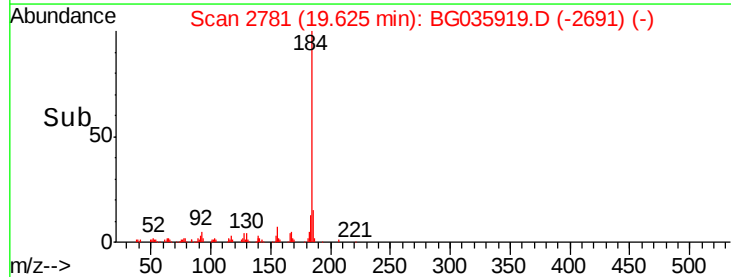
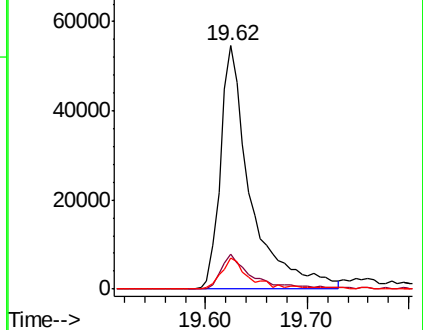
183 12.9 10.6 16.0

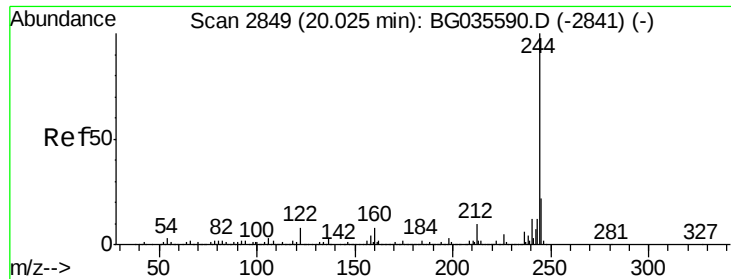


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.216 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampled :

FB-072518

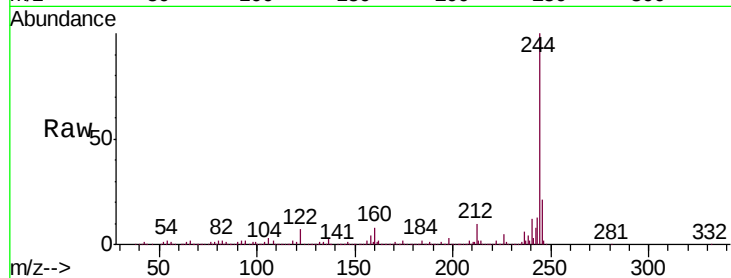
Tgt Ion:244 Resp: 1424336

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

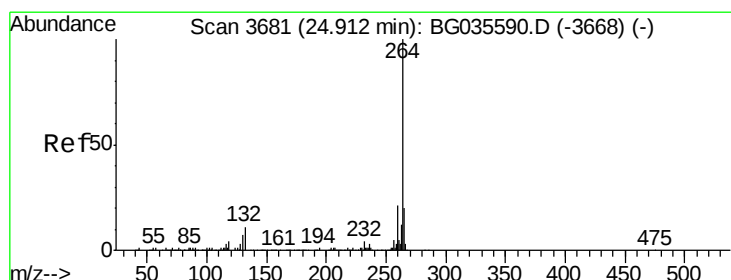
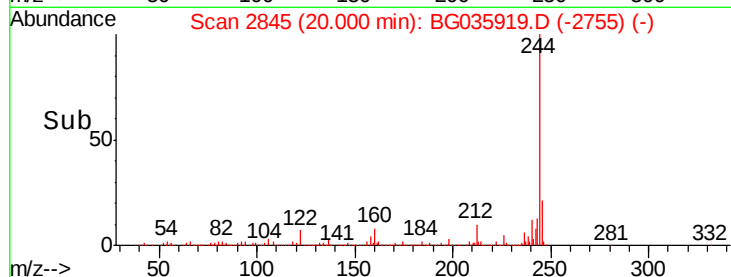
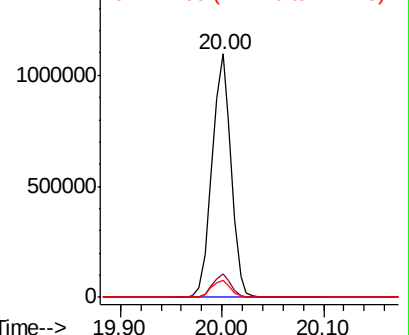
122 7.1 7.0 10.4



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: 24.85 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

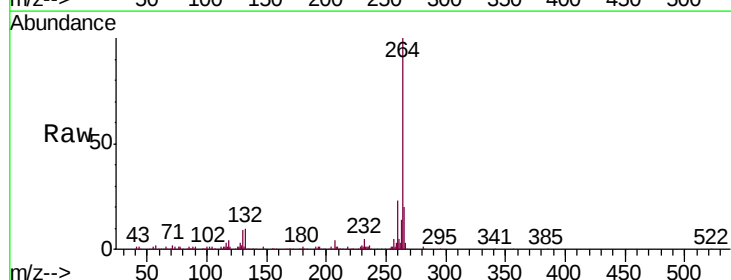
Tgt Ion:264 Resp: 302388

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 20.1 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

