

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040783.D
 Acq On : 8 May 2019 1:30
 Operator : HP/JU
 Sample : PB119477TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119477TB

Quant Time: May 08 03:57:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

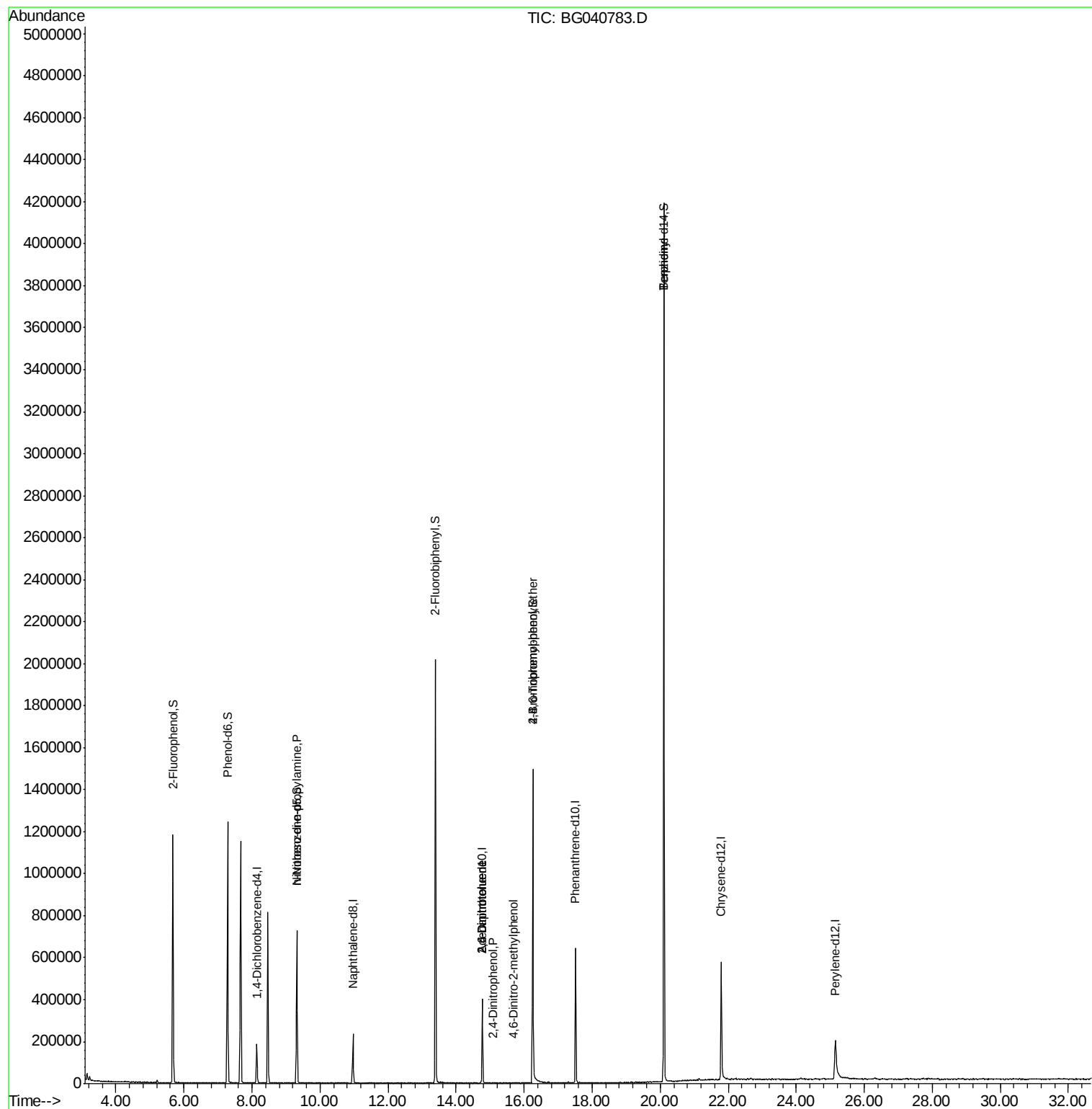
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	46432	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	185371	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	139457	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	384558	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	383796	20.00	ng	-0.03
87) Perylene-d12	25.16	264	318605	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	432494	164.19	ng	-0.01
7) Phenol-d6	7.28	99	627753	154.78	ng	-0.01
23) Nitrobenzene-d5	9.32	82	432315	107.76	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	288600	150.56	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	970115	100.46	ng	-0.02
79) Terphenyl-d14	20.11	244	1908947	110.19	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1268	Below Cal		Qvalue # 16
19) n-Nitroso-di-n-propylamine	9.32	70	62285	17.060	ng	# 73
51) 2,6-Dinitrotoluene	14.77	165	18042	7.923	ng	# 12
54) 2,4-Dinitrophenol	15.07	184	92	7.080	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	18042	5.830	ng	# 14
65) 4,6-Dinitro-2-methylphenol	15.70	198	57	7.127	ng	# 28
67) 4-Bromophenyl-phenylether	16.26	248	21553	4.499	ng	# 1
77) Benzydine	20.11	184	33787	3.215	ng	# 94

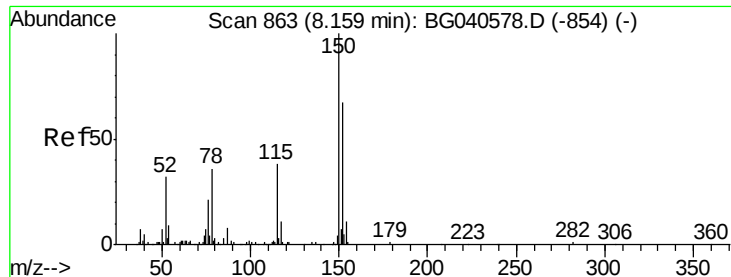
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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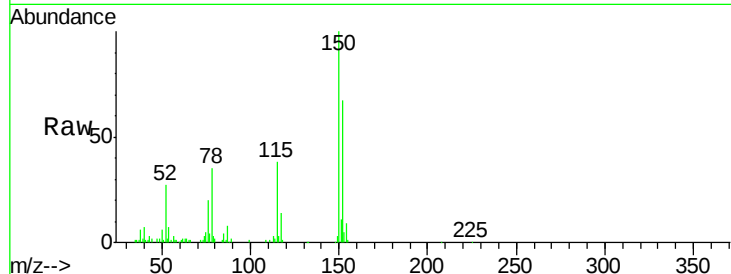


#1

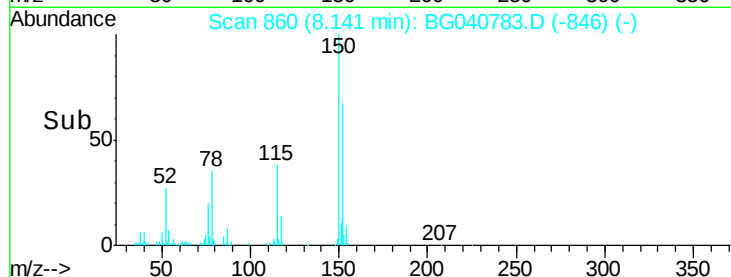
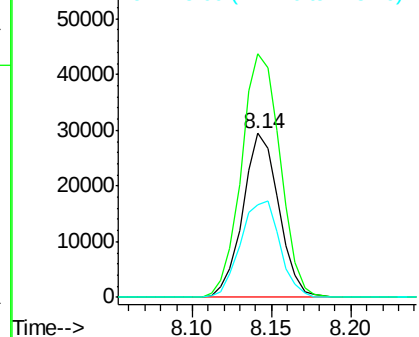
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

Instrument :
BNA_G
ClientSampleId :
PB119477TB

Tot Ion:152 Resp: 46432
Ion Ratio Lower Upper
152 100
150 148.4 120.2 180.2
115 56.6 46.2 69.2



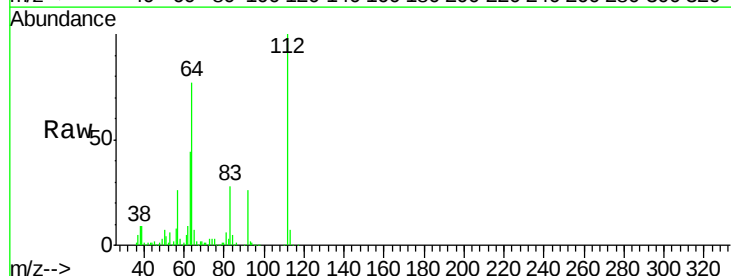
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



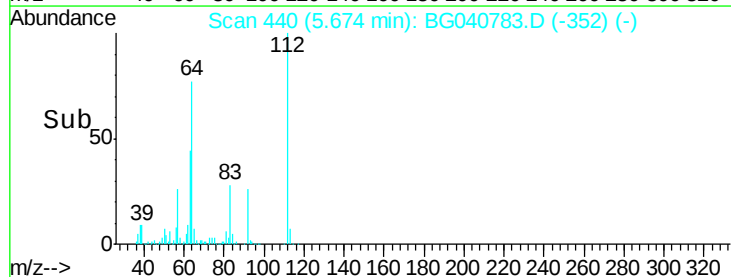
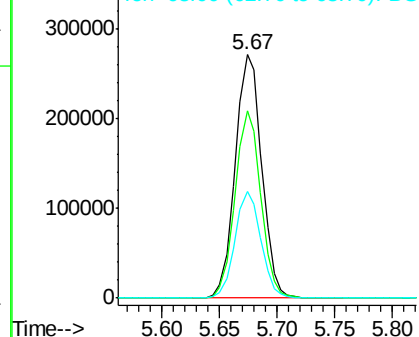
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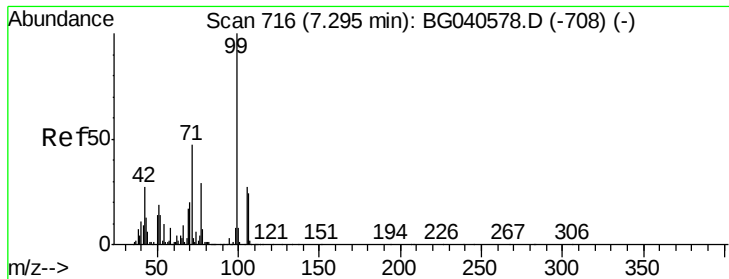
2-Fluorophenol
Concen: 164.194 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

Tgt Ion:112 Resp: 432494
Ion Ratio Lower Upper
112 100
64 77.2 61.4 92.0
63 43.6 37.8 56.6



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: 154.784 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

Instrument :

BNA_G

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PB119477TB

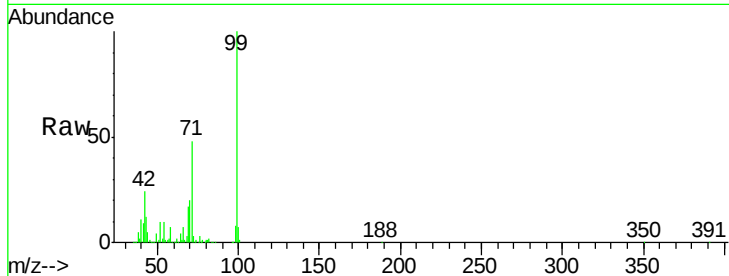
Tot Ion: 99 Resp: 627753

Ion Ratio Lower Upper

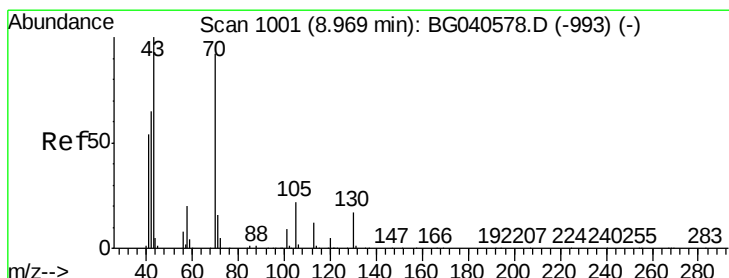
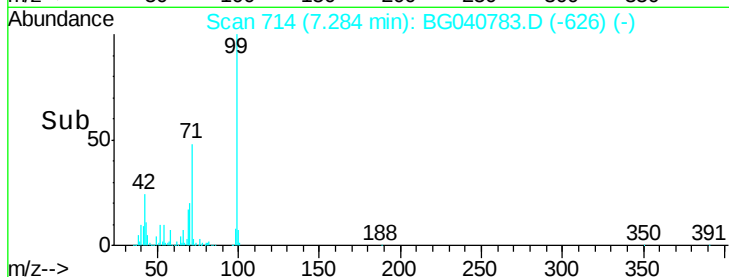
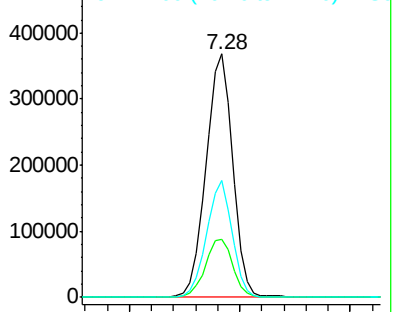
99 100

42 24.1 21.8 32.8

71 48.1 38.6 57.8



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: 17.060 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

Tgt Ion: 70 Resp: 62285

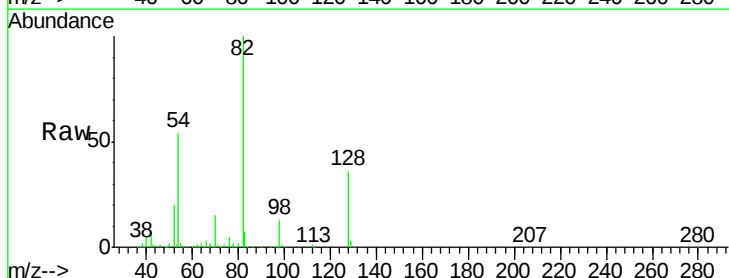
Ion Ratio Lower Upper

70 100

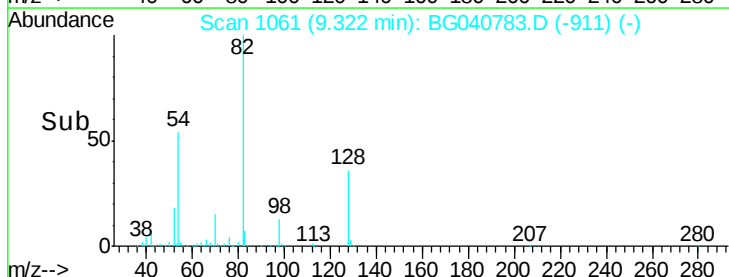
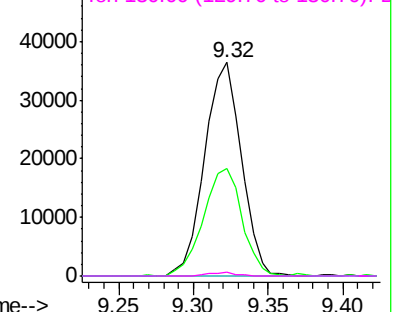
42 50.6 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#



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

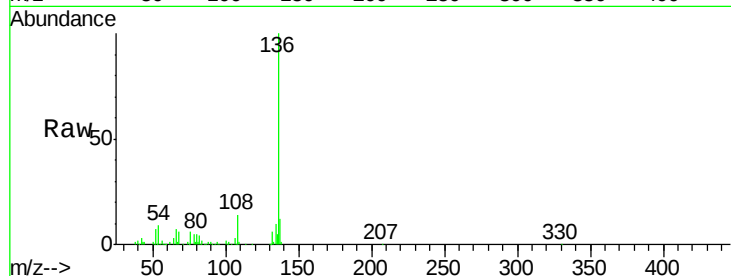




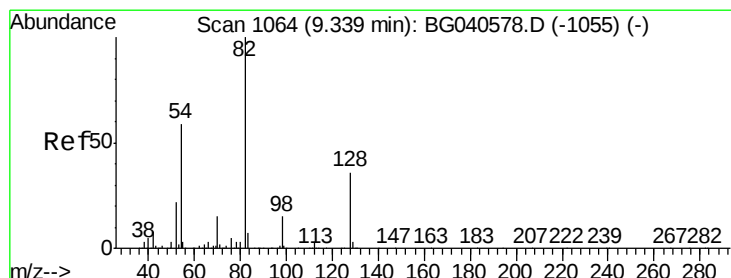
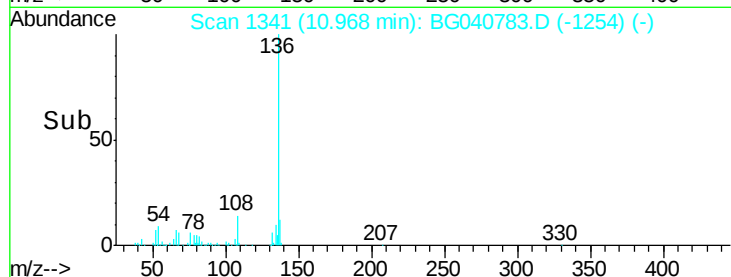
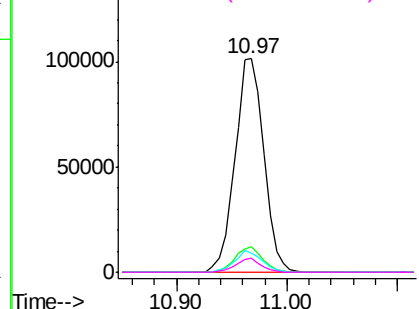
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

Instrument :
BNA_G
ClientSampleId :
PB119477TB

Tot Ion:136	Resp:	185371
Ion	Ratio	Lower Upper
136	100	
137	12.2	9.7 14.5
54	9.2	8.6 12.8
68	6.4	4.8 7.2

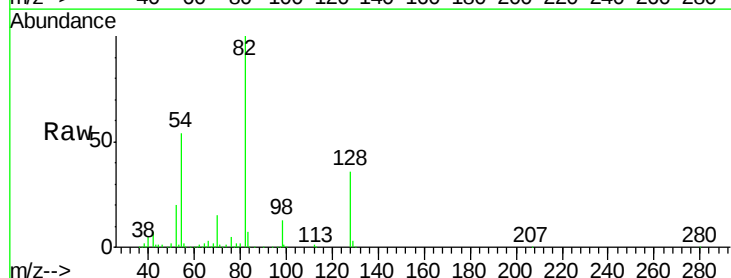


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

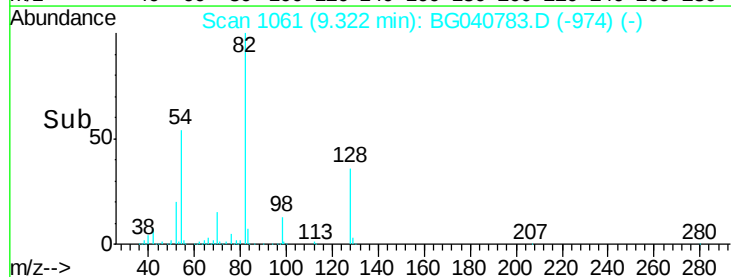
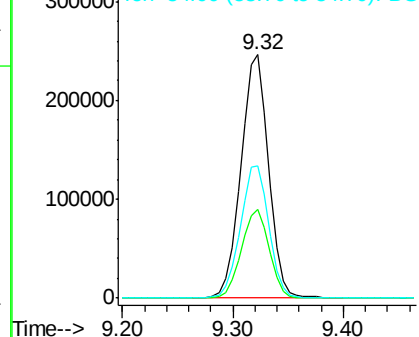


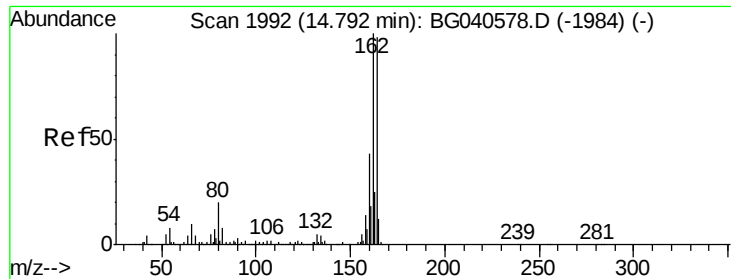
#23
Nitrobenzene-d5
Concen: 107.760 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

Tgt Ion: 82	Resp:	432315
Ion	Ratio	Lower Upper
82	100	
128	36.2	28.9 43.3
54	54.2	47.2 70.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

Instrument :

BNA_G

ClientSampleId :

PB119477TB

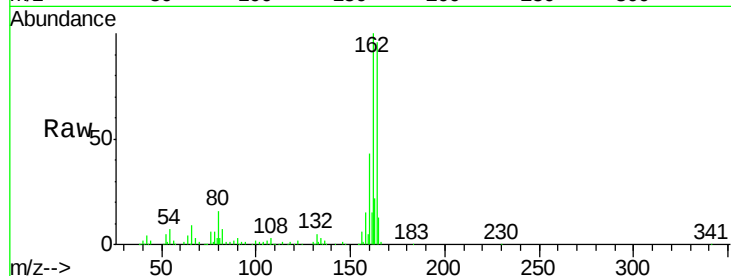
Tot Ion:164 Resp: 139457

Ion Ratio Lower Upper

164 100

162 103.9 81.9 122.9

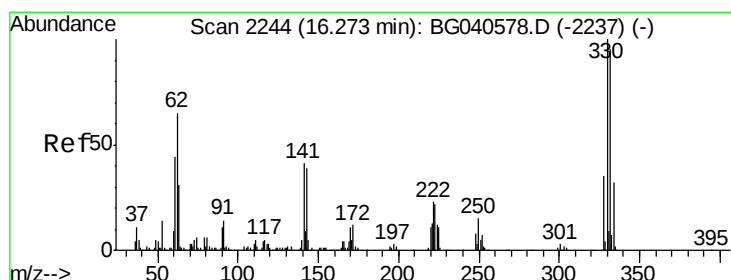
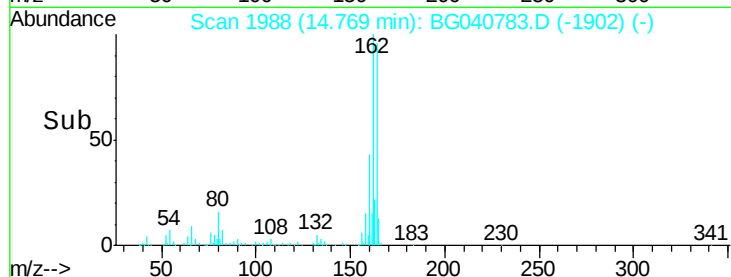
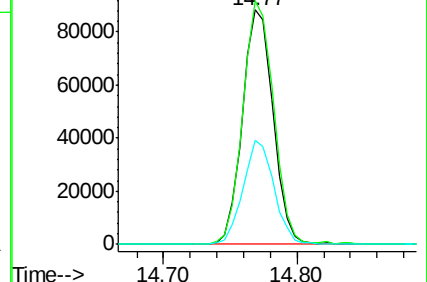
160 44.3 35.4 53.2



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



#42

2,4,6-Tribromophenol

Concen: 150.558 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

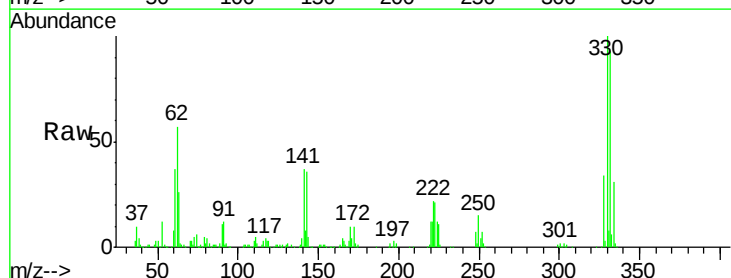
Tgt Ion:330 Resp: 288600

Ion Ratio Lower Upper

330 100

332 95.2 75.9 113.9

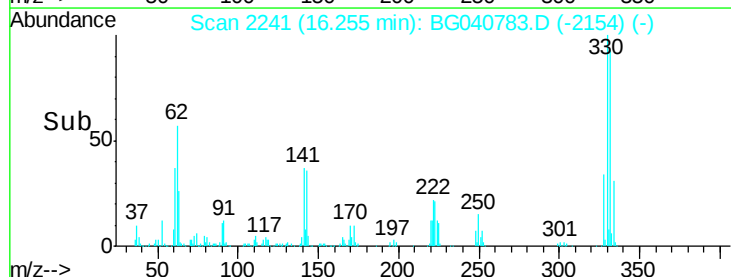
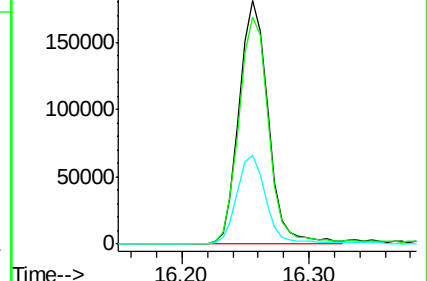
141 36.3 32.4 48.6

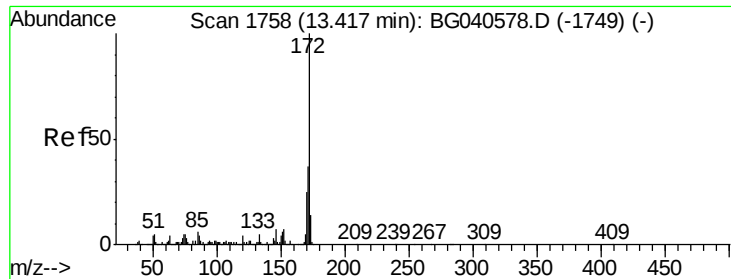


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

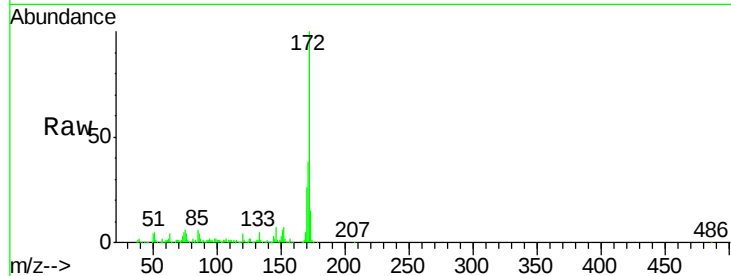




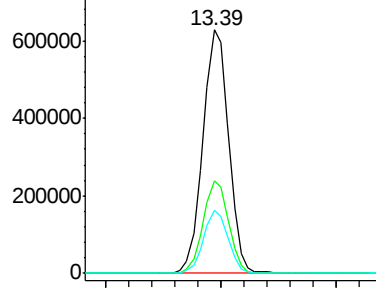
#45
 2-Fluorobiphenyl
 Concen: 100.464 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040783.D
 Acq: 8 May 2019 1:30

Instrument :
 BNA_G
 ClientSampleId :
 PB119477TB

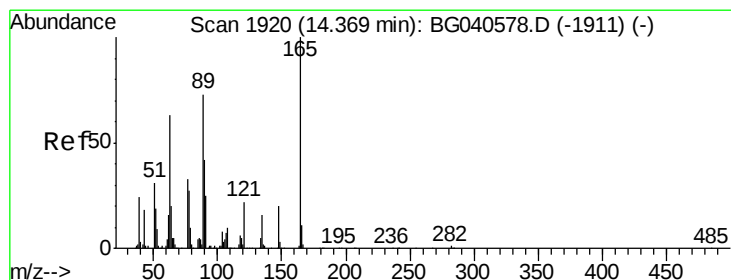
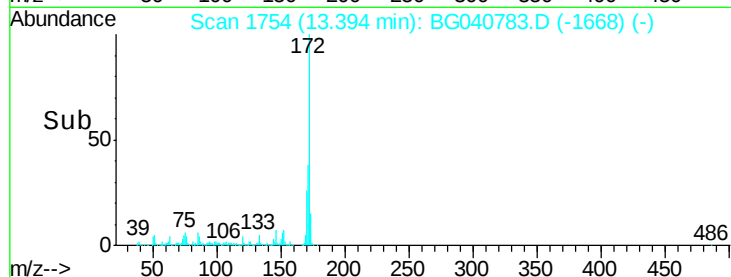
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.4	44.2
170	26.2	19.9	29.9



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

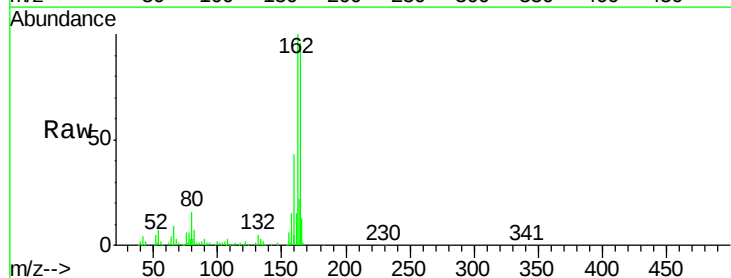


Time--> 13.30 13.40 13.50

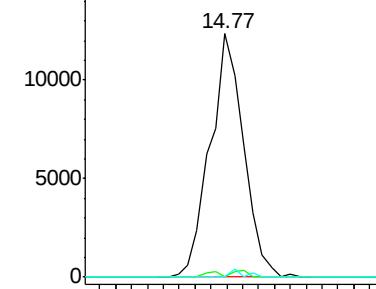


#51
 2,6-Dinitrotoluene
 Concen: 7.923 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040783.D
 Acq: 8 May 2019 1:30

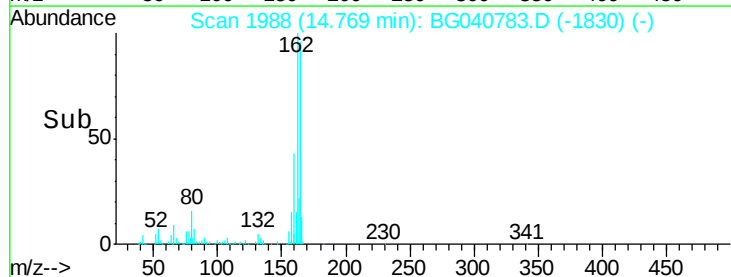
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	0.0	58.6	87.8#

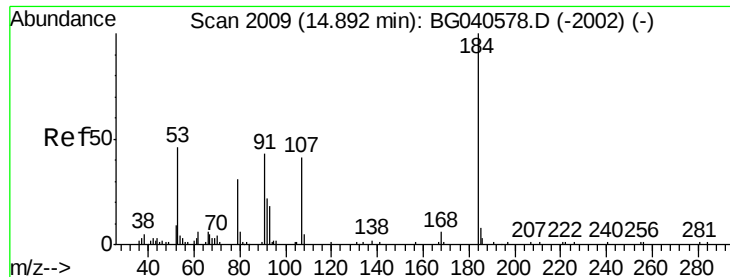


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG



Time--> 14.70 14.75 14.80 14.85

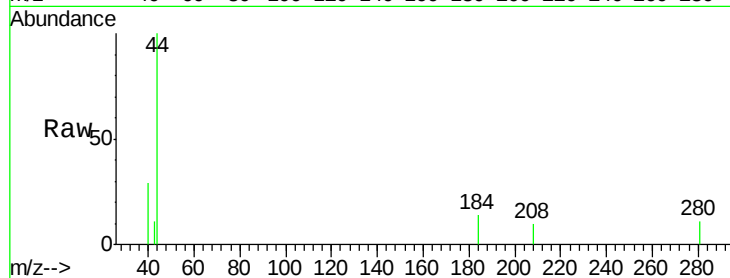




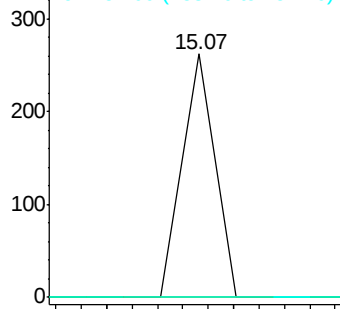
#54
2,4-Dinitrophenol
Concen: 7.080 ng
RT: 15.07 min Scan# 2040
Delta R.T. 0.18 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

Instrument :
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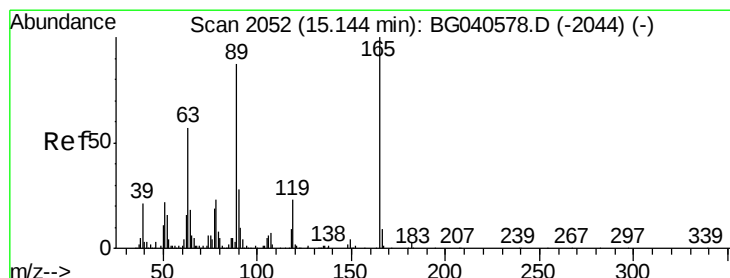
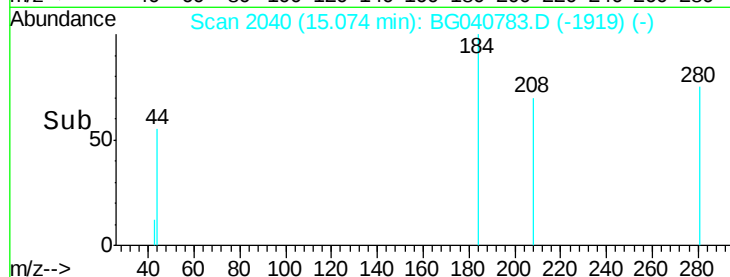
Tot Ion:184 Resp: 92
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



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

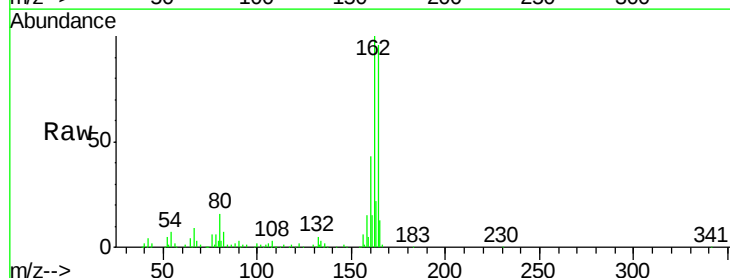


Time-->

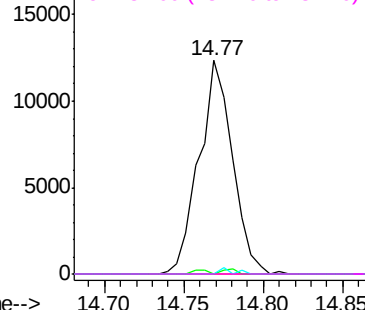


#57
2,4-Dinitrotoluene
Concen: 5.830 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

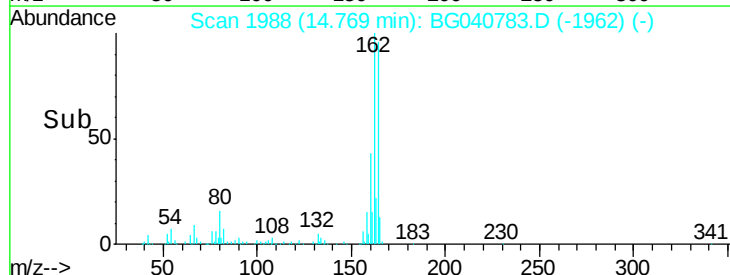
Tgt Ion:165 Resp: 18042
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 69.4 104.2#
182 0.0 2.2 3.4#

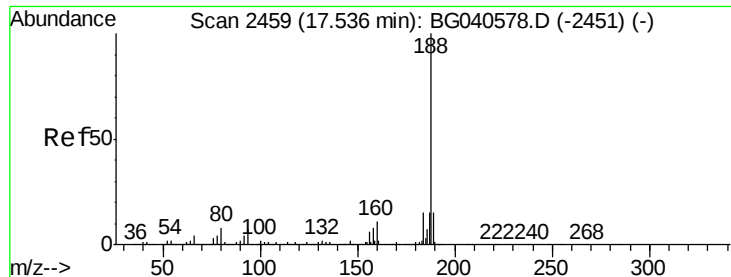


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time-->

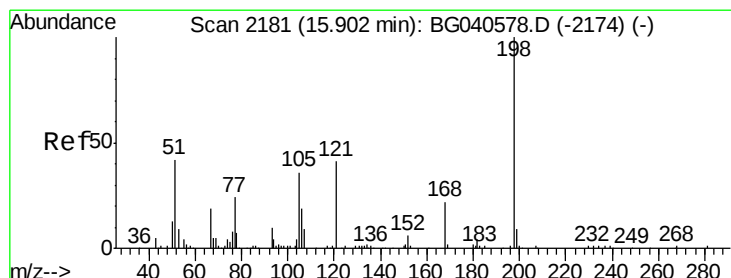
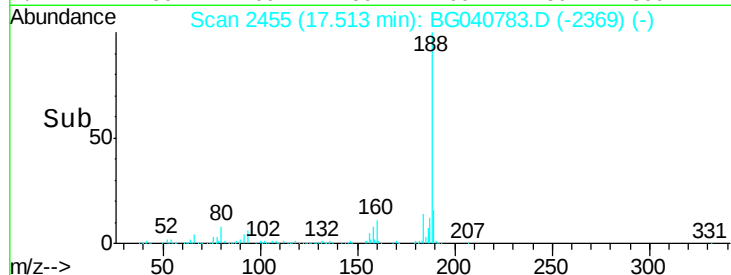
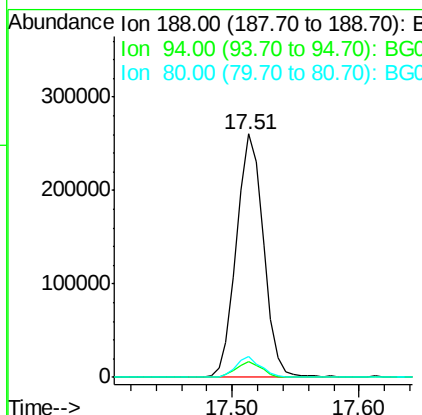
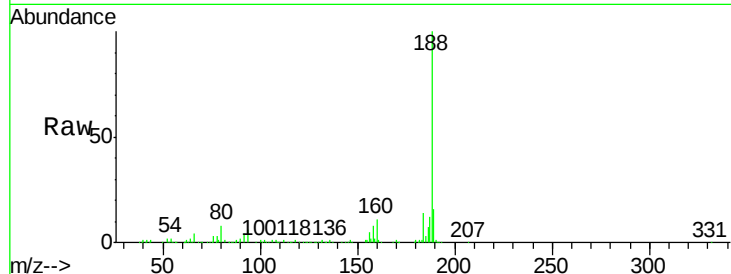




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

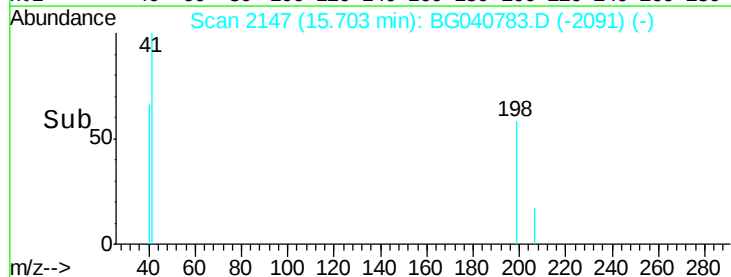
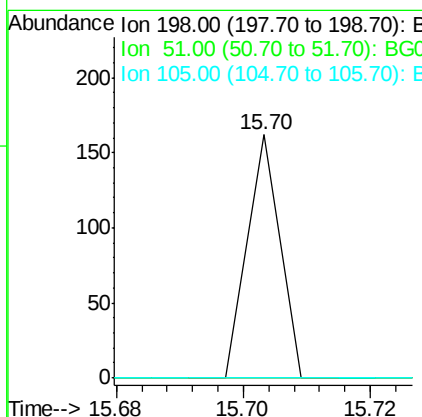
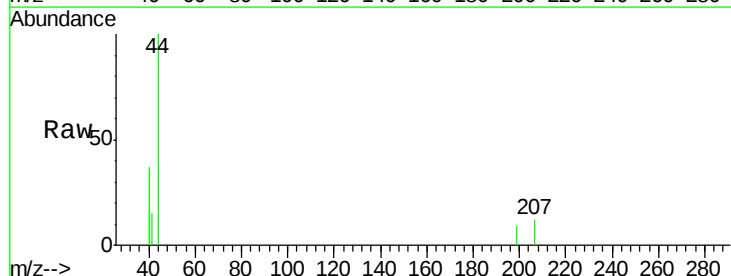
Instrument :
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ClientSampleId :
PB119477TB

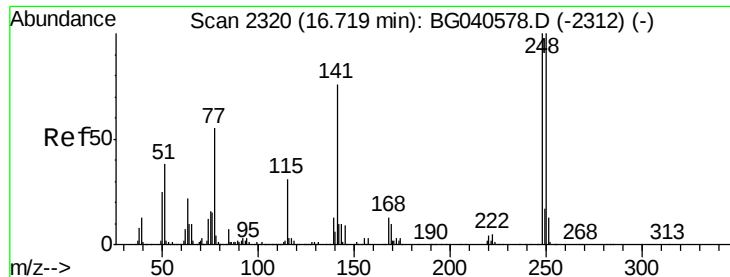
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.6	8.4
80	8.5	6.4	9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.127 ng
RT: 15.70 min Scan# 2147
Delta R.T. -0.20 min
Lab File: BG040783.D
Acq: 8 May 2019 1:30

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#





#67

4-Bromophenyl-phenylether

Concen: 4.499 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

Instrument :

BNA_G

ClientSampleId :

PB119477TB

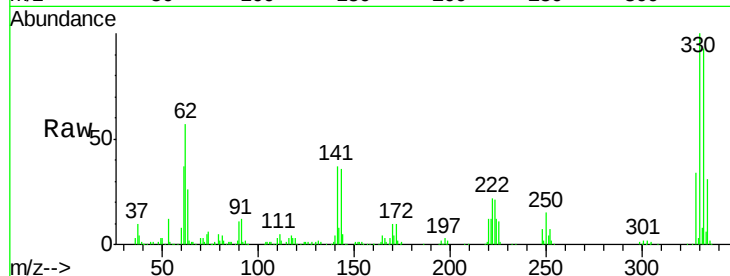
Tot Ion:248 Resp: 21553

Ion Ratio Lower Upper

248 100

250 159.5 79.8 119.6#

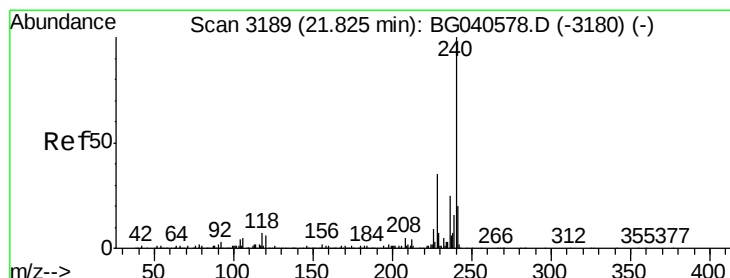
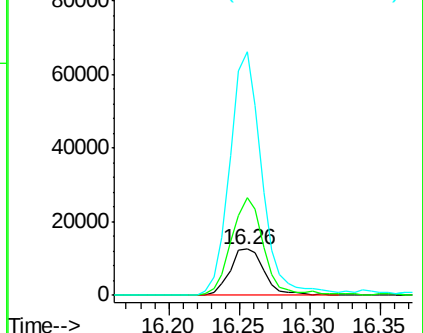
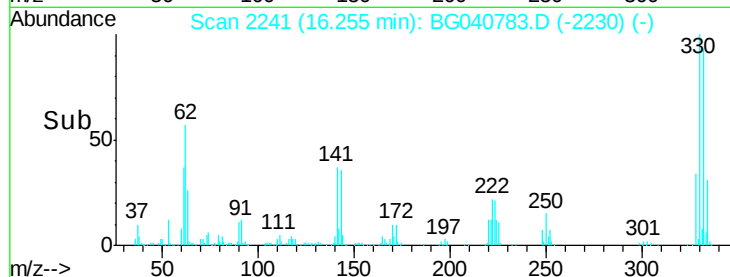
141 396.7 60.8 91.2#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

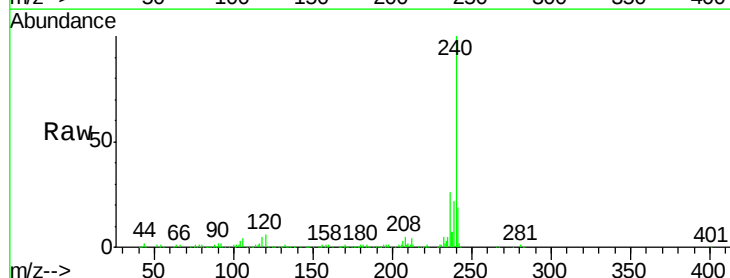
Tgt Ion:240 Resp: 383796

Ion Ratio Lower Upper

240 100

120 5.7 5.0 7.6

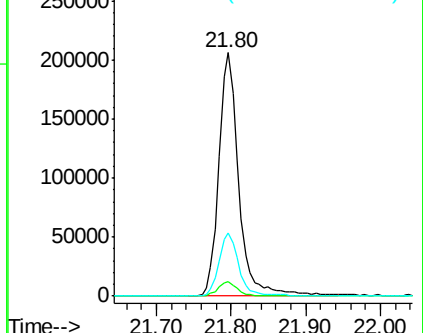
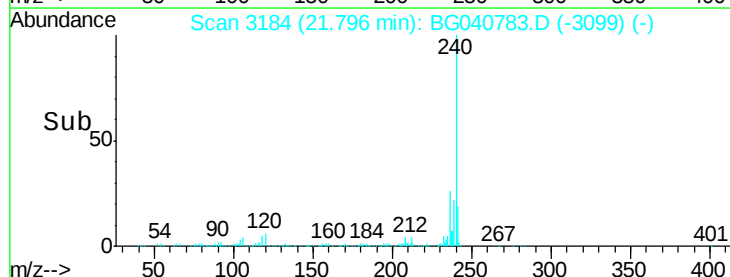
236 26.0 20.3 30.5

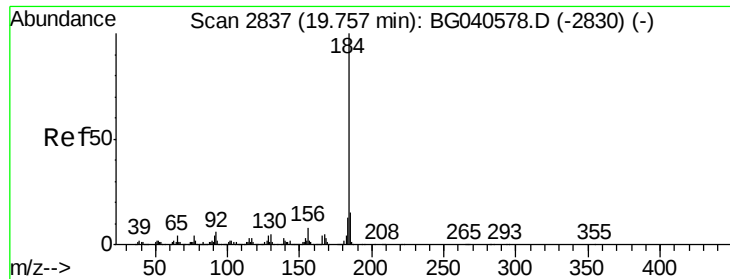


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.215 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

Instrument :

BNA_G

ClientSampleId :

PB119477TB

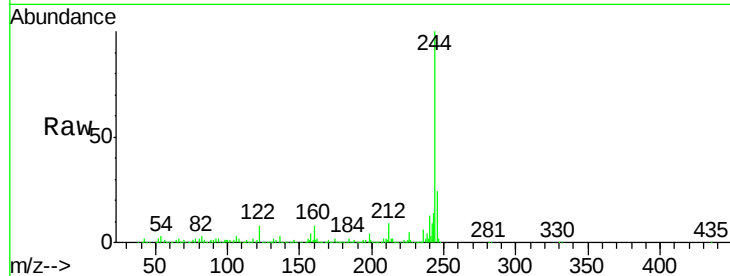
Tot Ion:184 Resp: 33787

Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.8

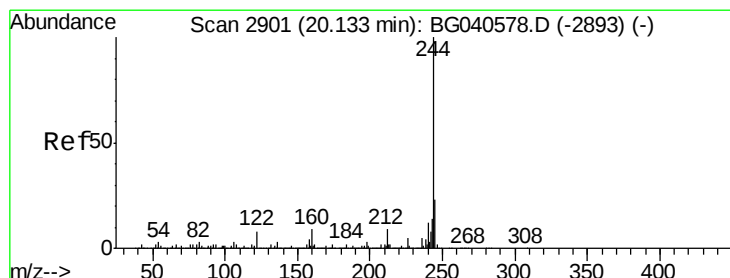
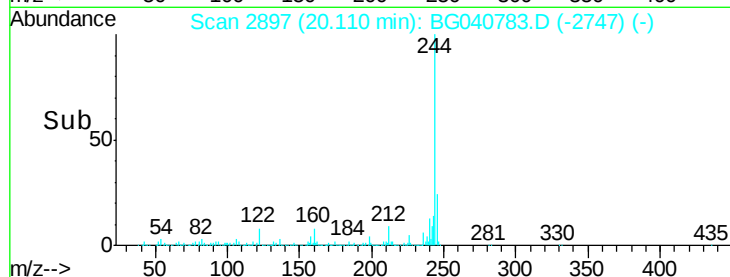
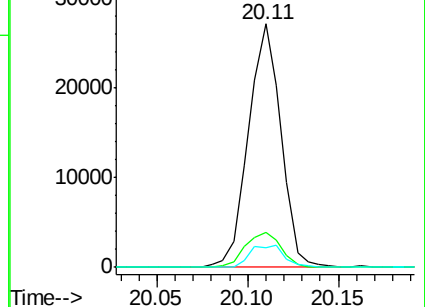
183 8.1 10.2 15.2#



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



#79

Terphenyl-d14

Concen: 110.192 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040783.D

Acq: 8 May 2019 1:30

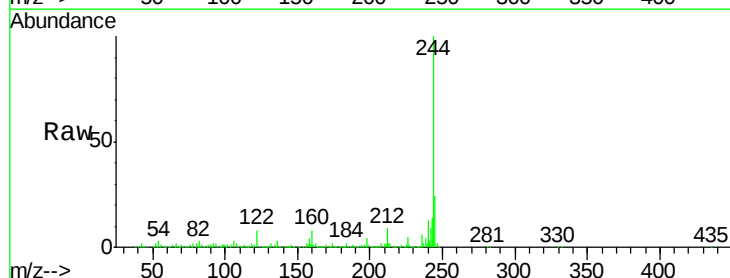
Tgt Ion:244 Resp: 1908947

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

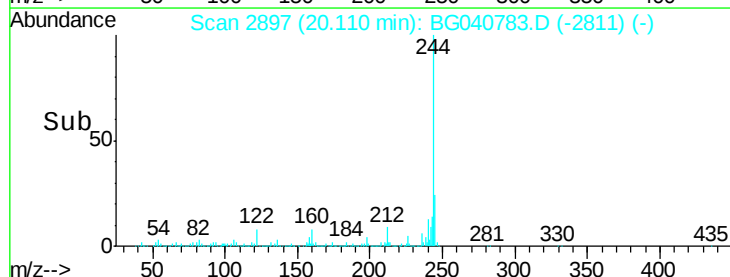
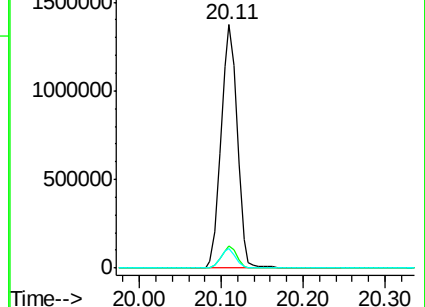
122 8.3 6.6 10.0



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

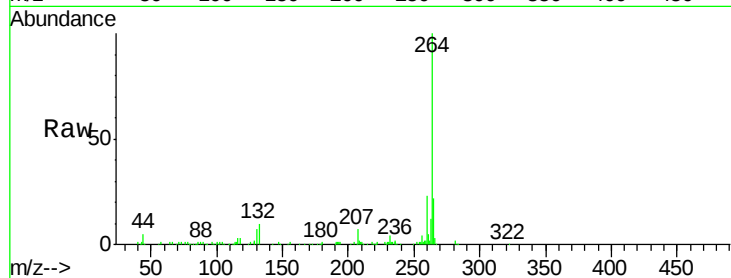




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040783.D
 Acq: 8 May 2019 1:30

Instrument :
 BNA_G
 ClientSampleId :
 PB119477TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.0	16.6	25.0



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

