

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040981.D
 Acq On : 31 May 2019 16:41
 Operator : HP/JU
 Sample : PB118819BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB118819BL

Quant Time: Jun 01 05:14:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

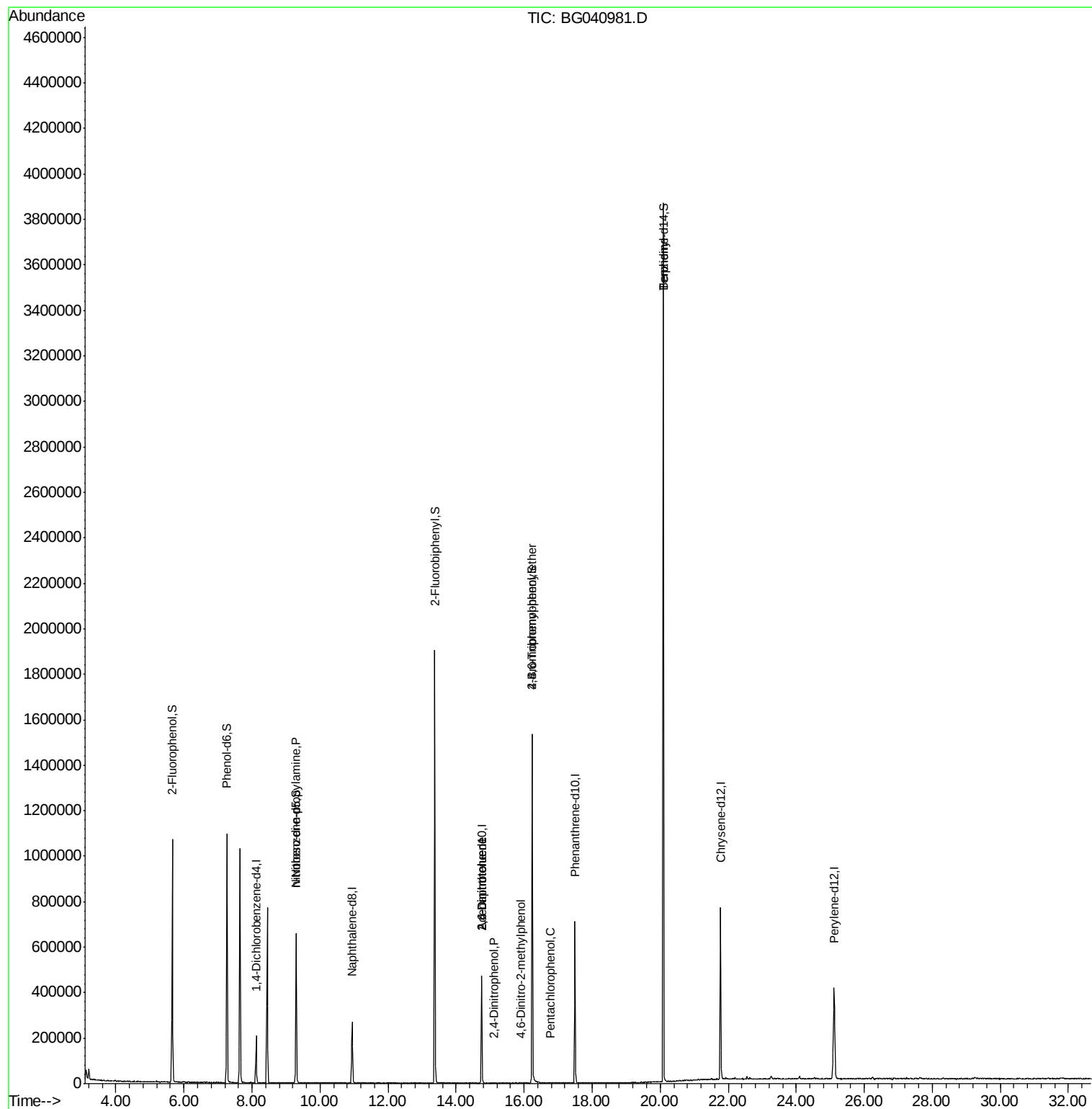
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	53548	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	216196	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	160650	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	434022	20.00	ng	0.00
76) Chrysene-d12	21.77	240	468732	20.00	ng	-0.01
87) Perylene-d12	25.11	264	483154	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	400292	134.80	ng	0.00
7) Phenol-d6	7.27	99	571938	124.71	ng	0.00
23) Nitrobenzene-d5	9.30	82	391463	80.38	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	291436	122.20	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	933101	83.65	ng	0.00
79) Terphenyl-d14	20.09	244	1813164	82.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	57062	16.168	ng	# 71
51) 2,6-Dinitrotoluene	14.75	165	21467	7.321	ng	# 20
54) 2,4-Dinitrophenol	15.10	184	58	8.298	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	21467	5.183	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.90	198	57	8.610	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	19575	3.342	ng	# 1
70) Pentachlorophenol	16.77	266	97	4.283	ng	# 18
77) Benzidine	20.09	184	31912	2.854	ng	# 92

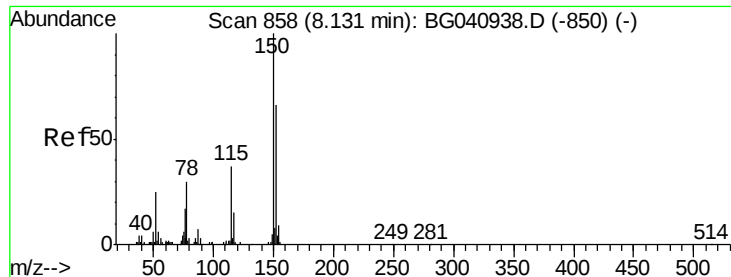
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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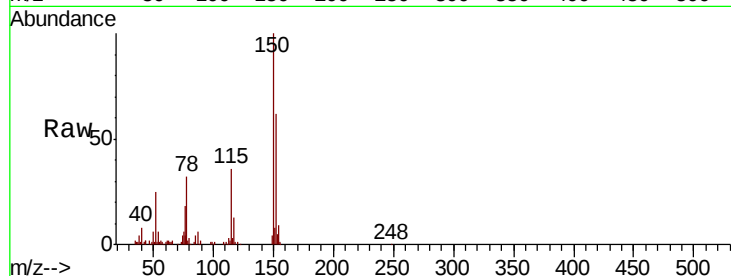


#1

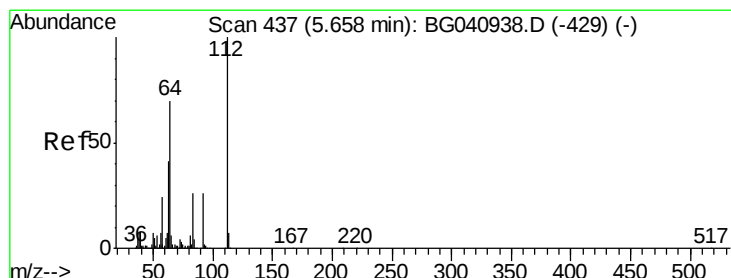
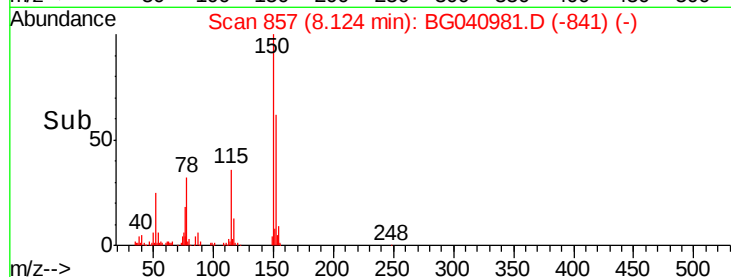
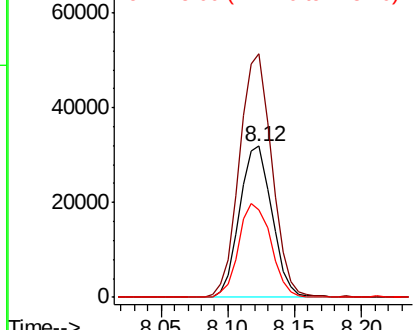
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Instrument :
BNA_G
ClientSampleId :
PB118819BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.4	120.6	180.8
115	58.3	45.1	67.7



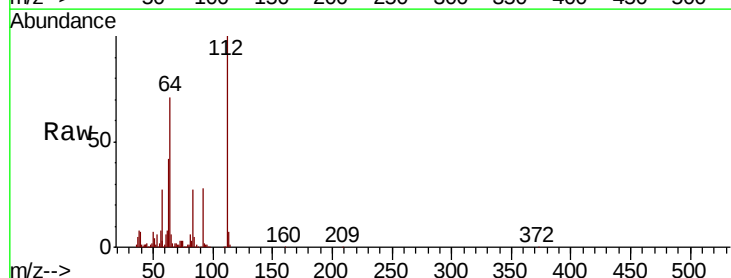
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



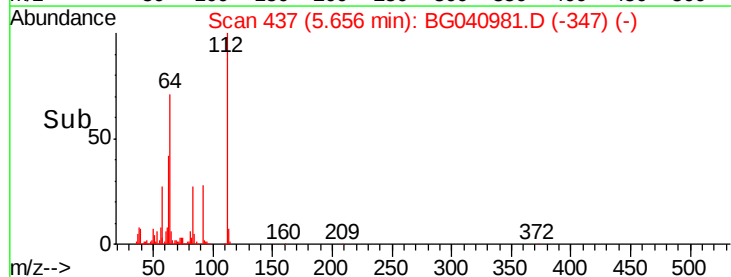
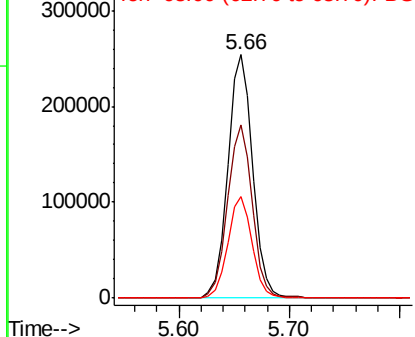
#5

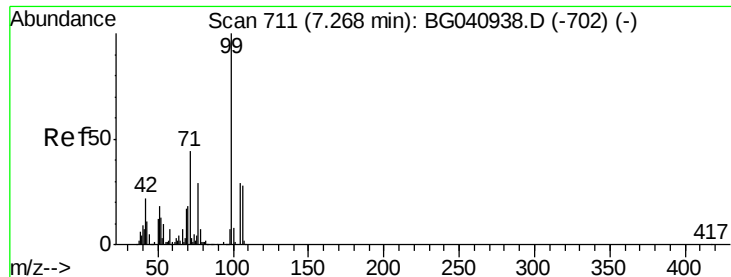
2-Fluorophenol
Concen: 134.797 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	56.2	84.2
63	41.6	32.8	49.2



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: 124.708 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

Instrument :

BNA_G

ClientSampleId :

PB118819BL

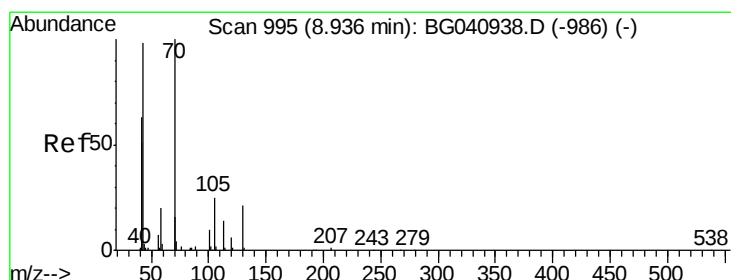
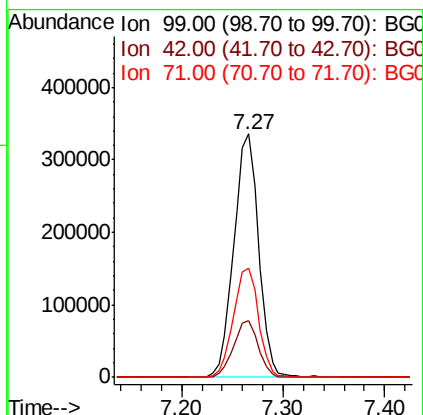
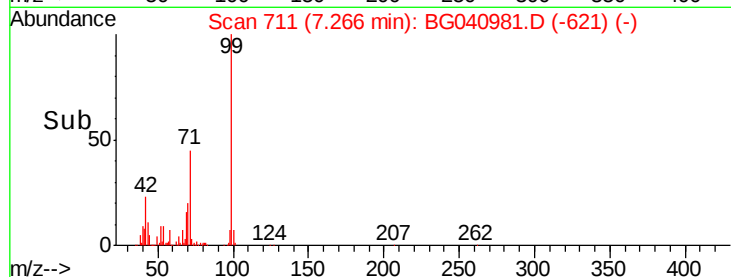
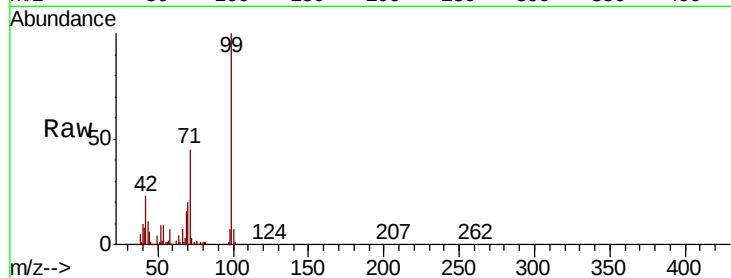
Tgt Ion: 99 Resp: 571938

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 45.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.168 ng

RT: 9.29 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

Tgt Ion: 70 Resp: 57062

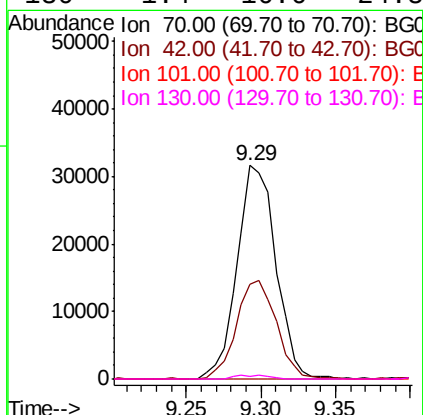
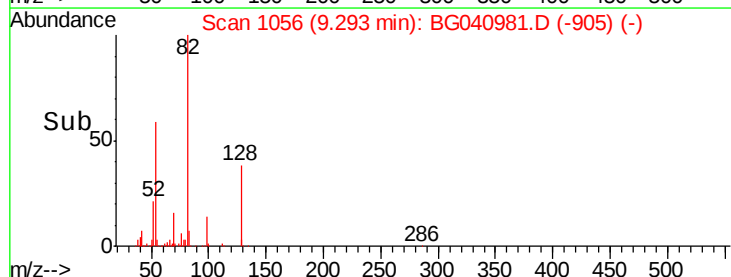
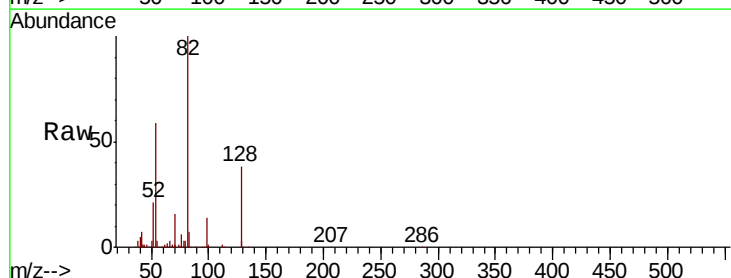
Ion Ratio Lower Upper

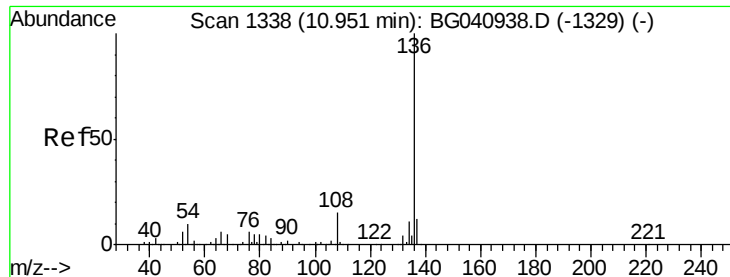
70 100

42 44.5 51.5 77.3#

101 0.0 8.1 12.1#

130 1.4 16.6 24.8#

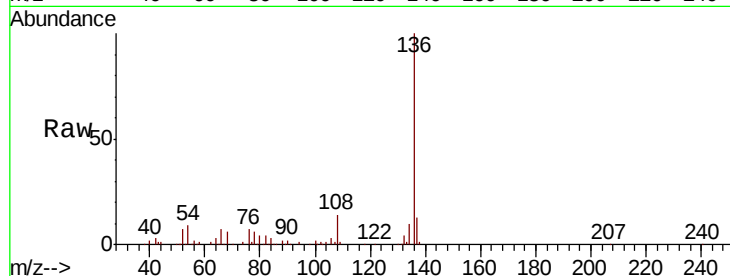




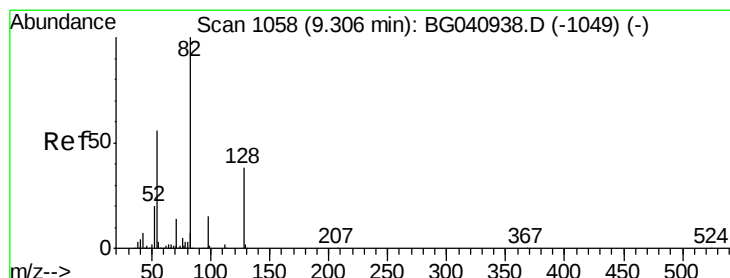
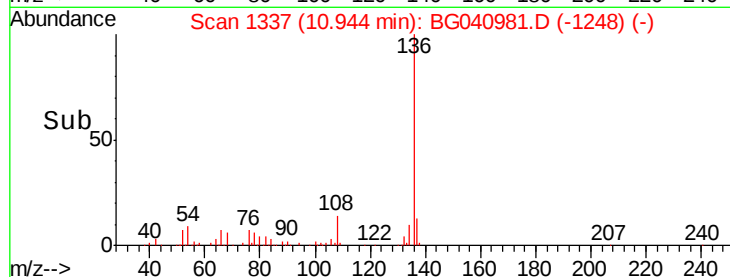
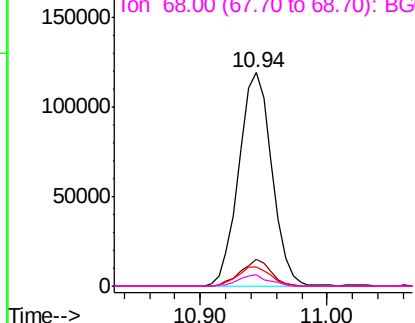
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Instrument :
BNA_G
ClientSampleId :
PB118819BL

Tgt Ion:	136	Resp:	216196
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	9.2	7.6	11.4
68	5.6	3.9	5.9

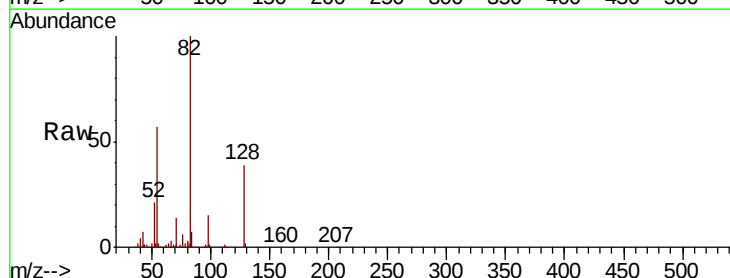


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

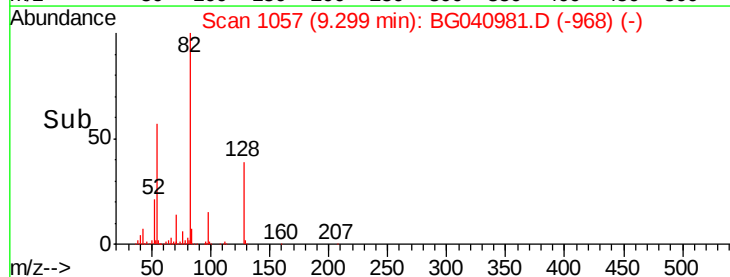
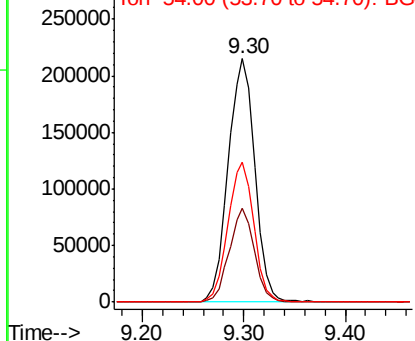


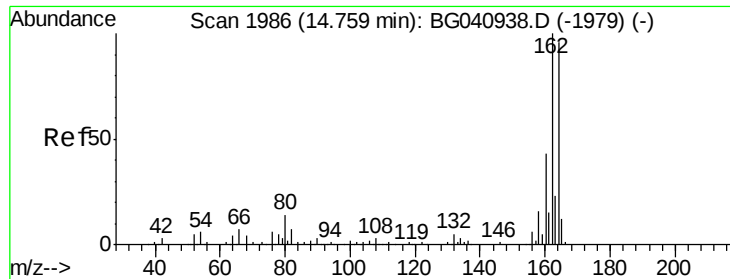
#23
Nitrobenzene-d5
Concen: 80.383 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Tgt Ion:	82	Resp:	391463
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.5	45.7
54	57.3	44.6	66.8



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: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

Instrument :

BNA_G

ClientSampleId :

PB118819BL

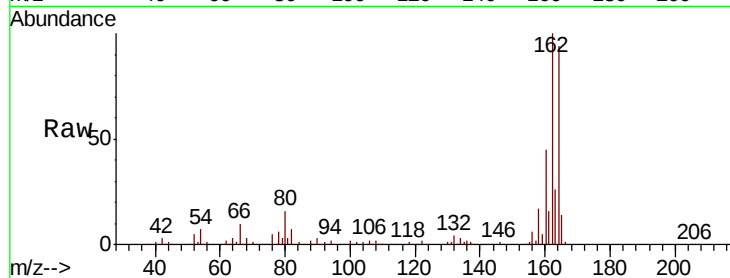
Tgt Ion:164 Resp: 160650

Ion Ratio Lower Upper

164 100

162 106.5 83.0 124.4

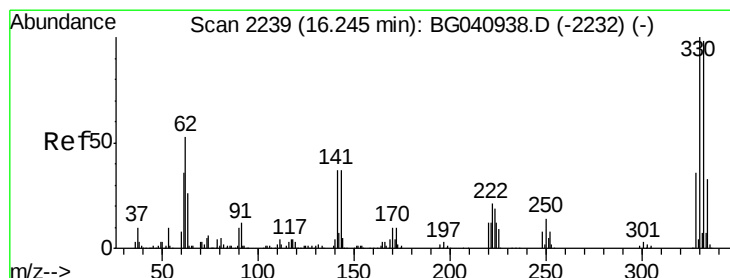
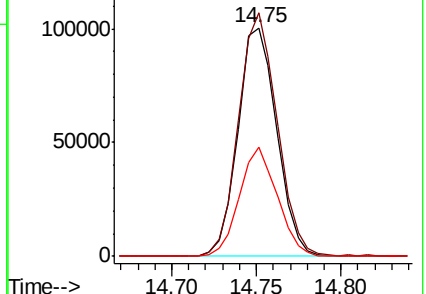
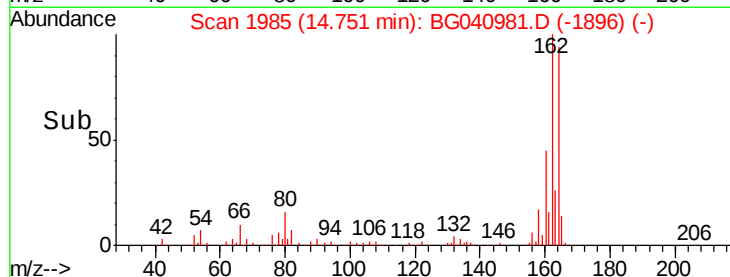
160 47.7 35.6 53.4



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: 122.197 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

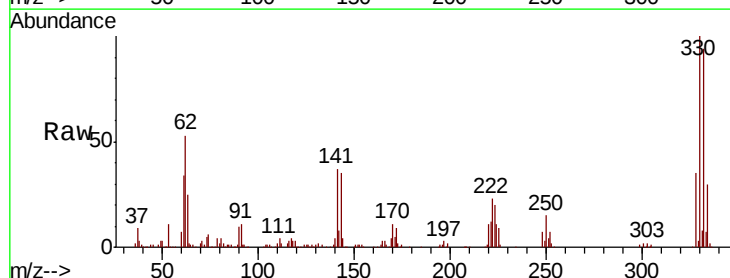
Tgt Ion:330 Resp: 291436

Ion Ratio Lower Upper

330 100

332 95.9 78.5 117.7

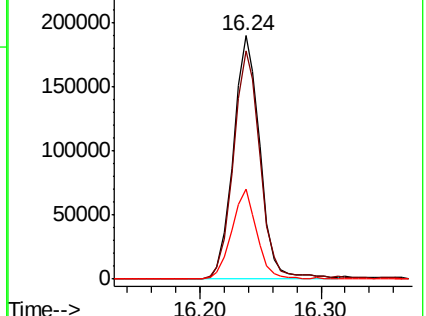
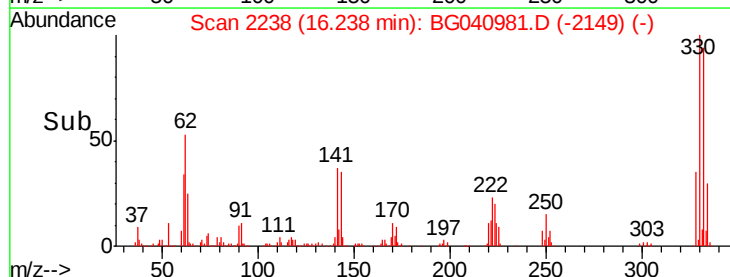
141 35.5 28.7 43.1

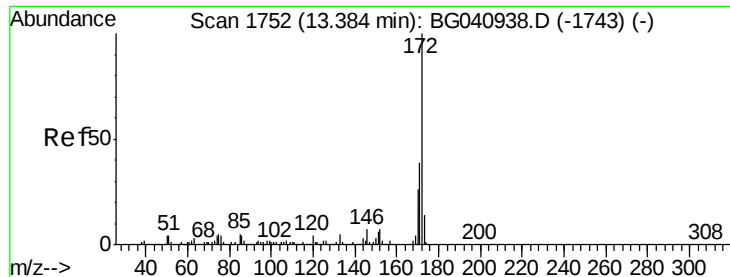


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

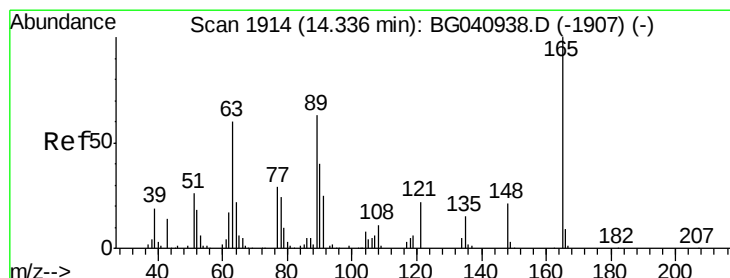
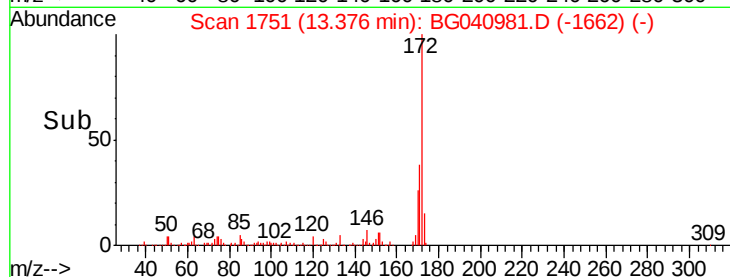
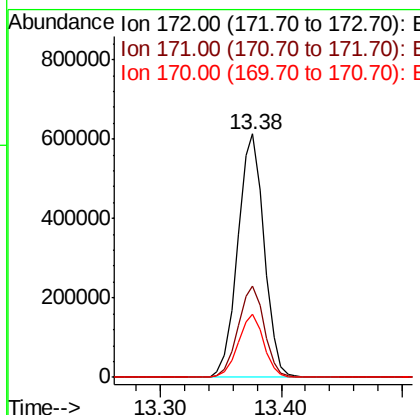
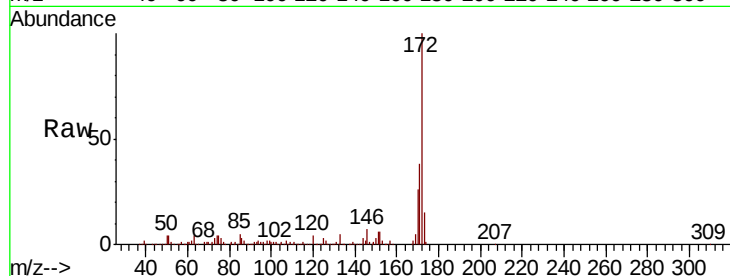




#45
2-Fluorobiphenyl
Concen: 83.646 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

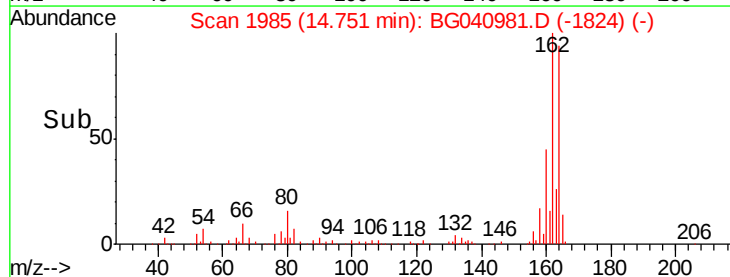
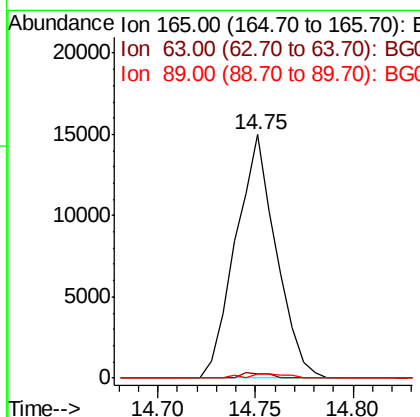
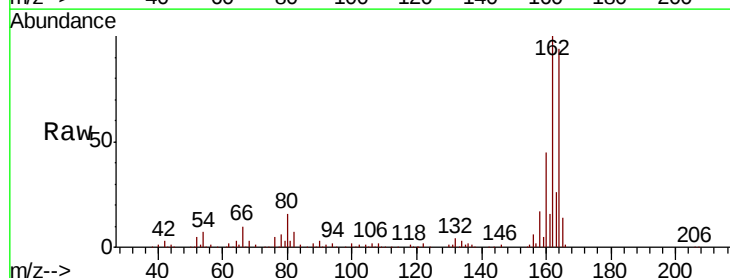
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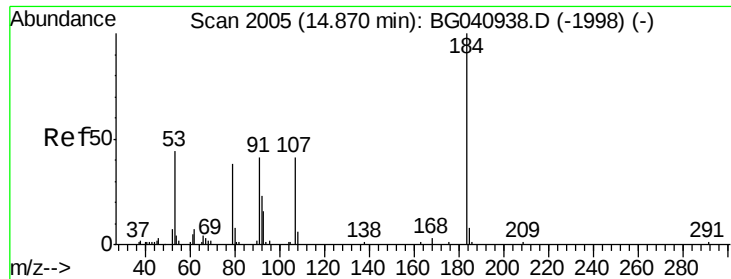
Tgt Ion:172 Resp: 933101
Ion Ratio Lower Upper
172 100
171 37.7 31.1 46.7
170 26.0 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.321 ng
RT: 14.75 min Scan# 1985
Delta R.T. 0.42 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Tgt Ion:165 Resp: 21467
Ion Ratio Lower Upper
165 100
63 1.8 53.6 80.4#
89 2.0 50.4 75.6#

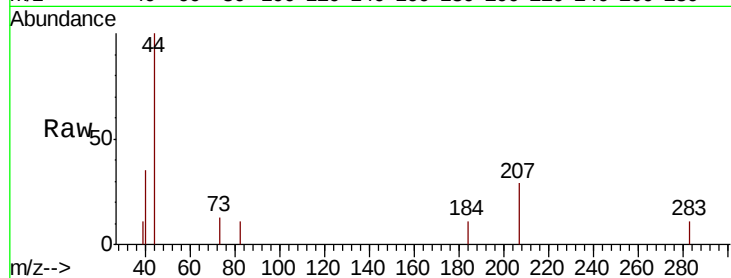




#54
2,4-Dinitrophenol
Concen: 8.298 ng
RT: 15.10 min Scan# 2045
Delta R.T. 0.23 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

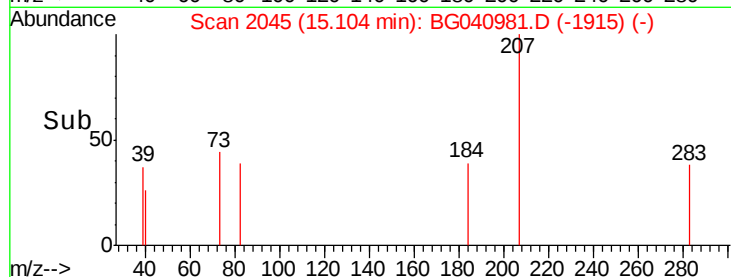
Instrument :
BNA_G
ClientSampleId :
PB118819BL

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 49.8 74.6#
154 0.0 52.2 78.4#

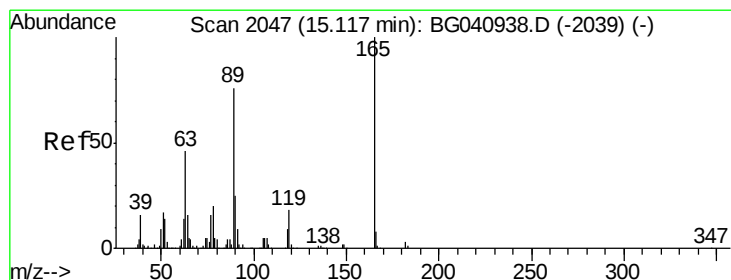


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

15.10

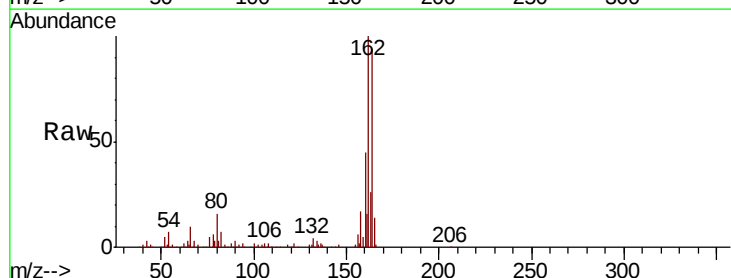


Time-->



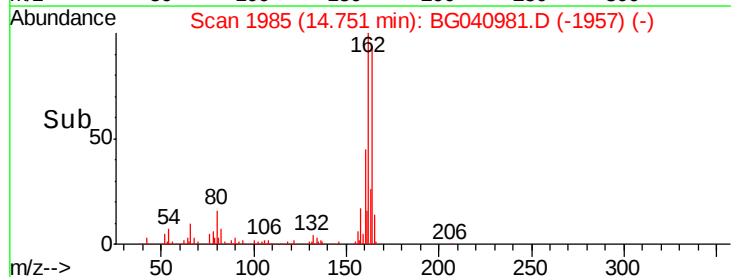
#57
2,4-Dinitrotoluene
Concen: 5.183 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Tgt Ion:165 Resp: 21467
Ion Ratio Lower Upper
165 100
63 1.8 37.3 55.9#
89 2.0 61.0 91.6#
182 0.0 2.2 3.2#

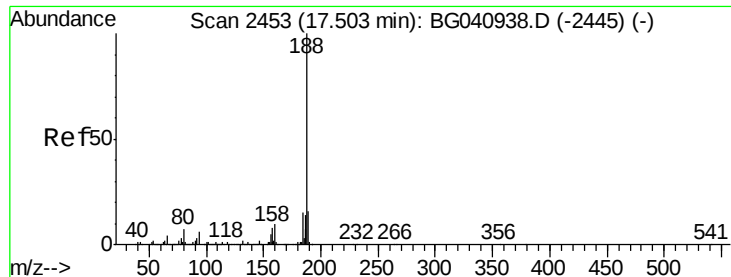


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.75



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

Instrument :

BNA_G

ClientSampleId :

PB118819BL

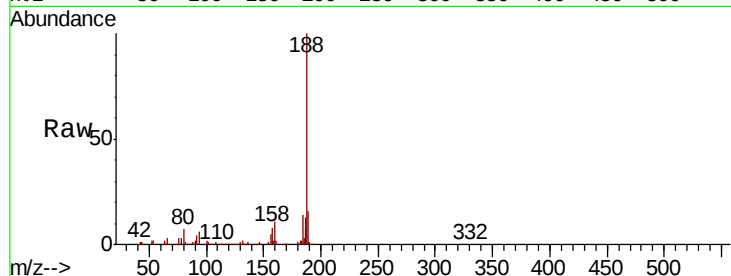
Tgt Ion:188 Resp: 434022

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

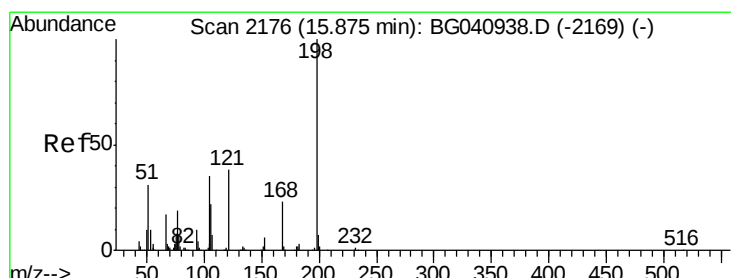
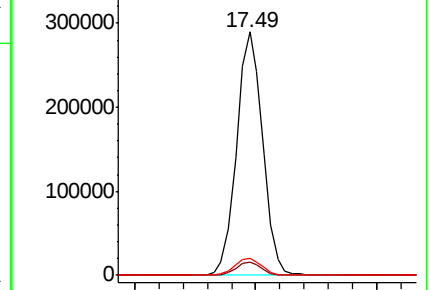
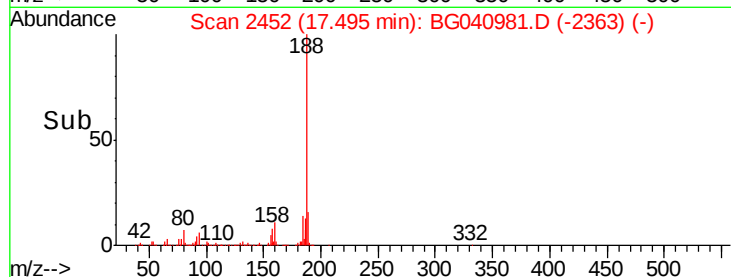
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.610 ng

RT: 15.90 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

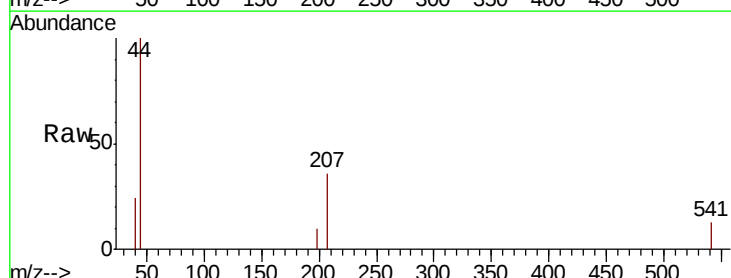
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

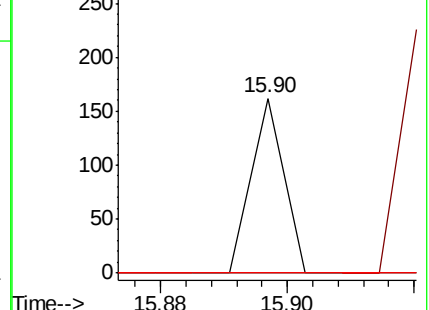
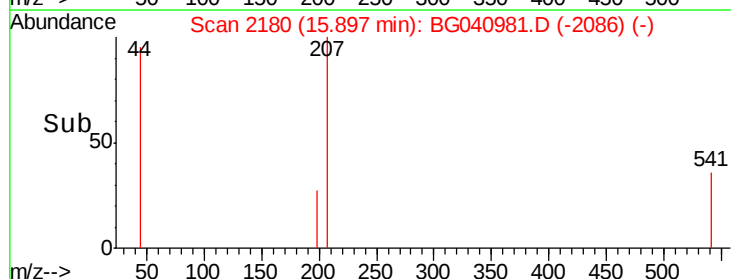
105 0.0 17.5 57.5#

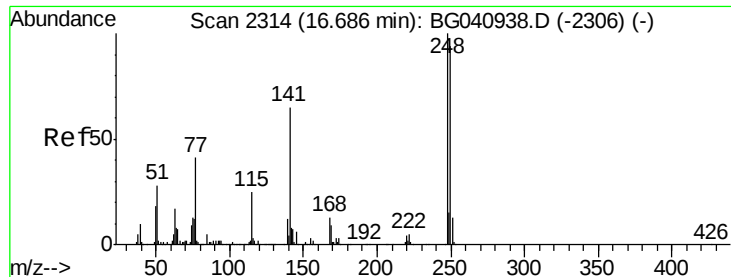


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

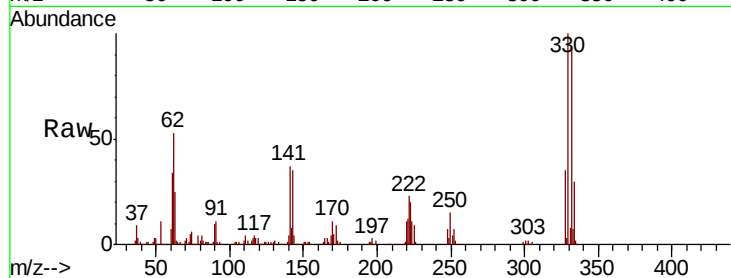




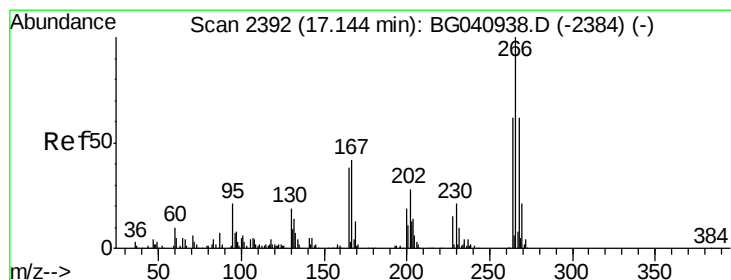
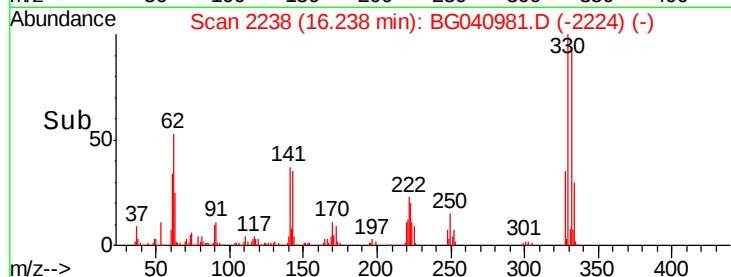
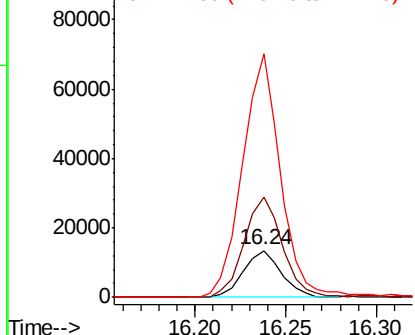
#67
 4-Bromophenyl-phenylether
 Concen: 3.342 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.45 min
 Lab File: BG040981.D
 Acq: 31 May 2019 16:41

Instrument :
 BNA_G
 ClientSampleId :
 PB118819BL

Tgt Ion: 248 Resp: 19575
 Ion Ratio Lower Upper
 248 100
 250 214.5 75.0 112.4#
 141 520.0 52.4 78.6#

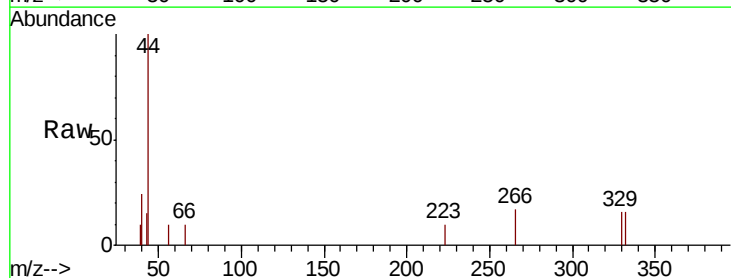


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

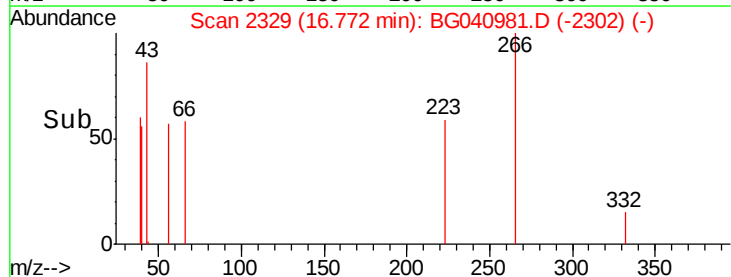
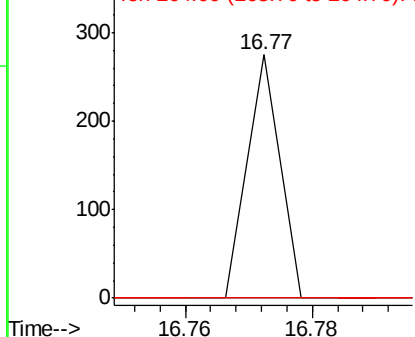


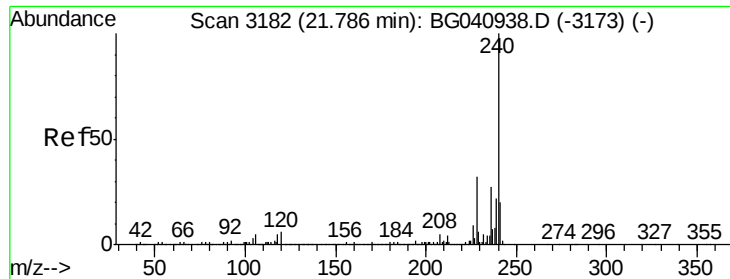
#70
 Pentachlorophenol
 Concen: 4.283 ng
 RT: 16.77 min Scan# 2329
 Delta R.T. -0.37 min
 Lab File: BG040981.D
 Acq: 31 May 2019 16:41

Tgt Ion: 266 Resp: 97
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.1 79.7#
 264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

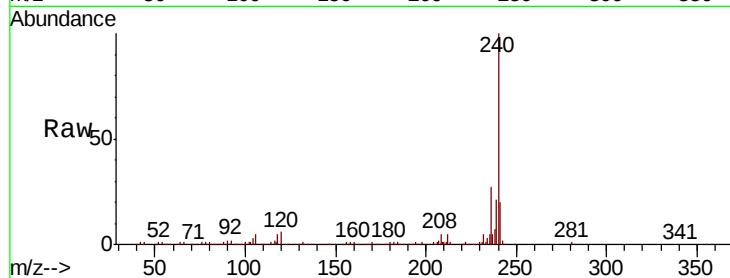




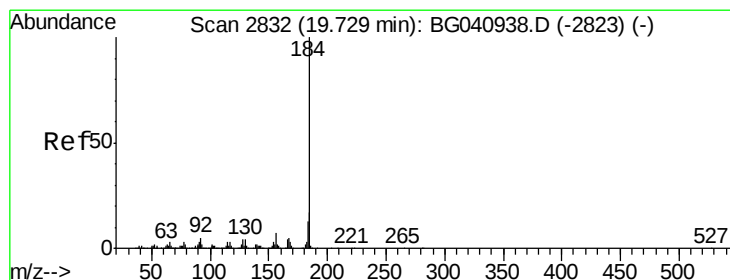
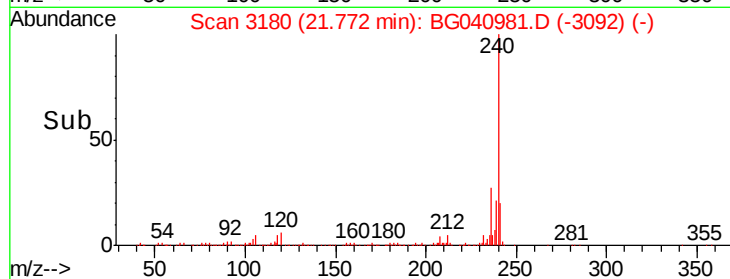
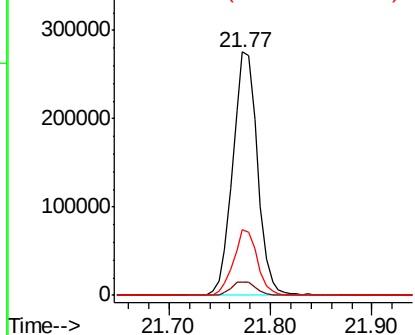
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Instrument :
BNA_G
ClientSampleId :
PB118819BL

Tgt Ion:240 Resp: 468732
Ion Ratio Lower Upper
240 100
120 5.6 4.5 6.7
236 26.8 21.3 31.9

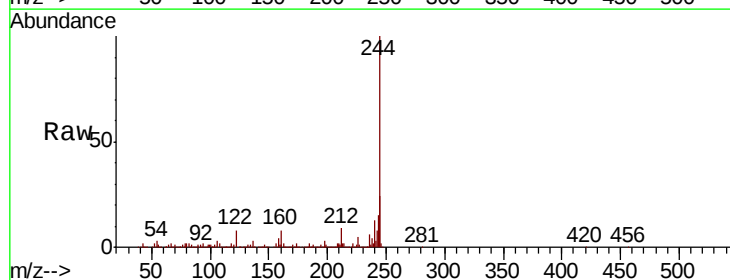


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

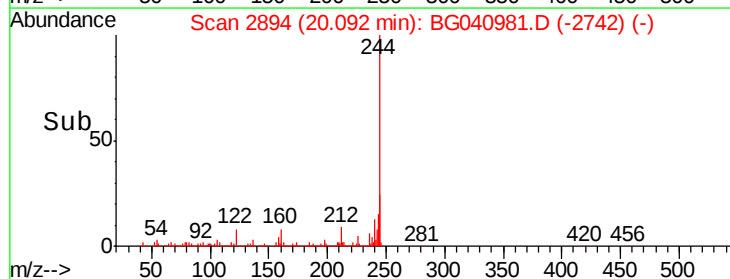
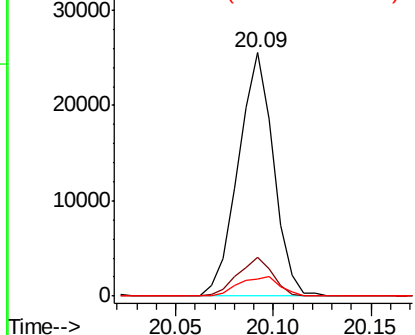


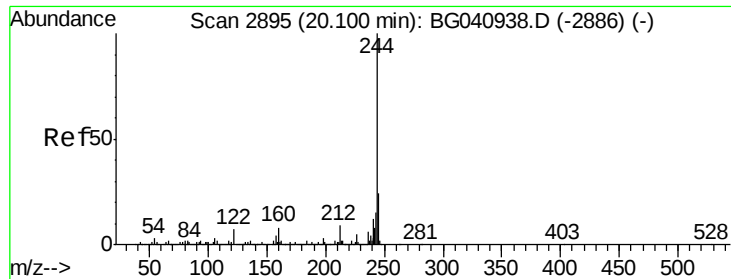
#77
Benzidine
Concen: 2.854 ng
RT: 20.09 min Scan# 2894
Delta R.T. 0.36 min
Lab File: BG040981.D
Acq: 31 May 2019 16:41

Tgt Ion:184 Resp: 31912
Ion Ratio Lower Upper
184 100
185 15.9 13.3 19.9
183 6.8 10.7 16.1#



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: 82.097 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

Instrument :

BNA_G

ClientSampleId :

PB118819BL

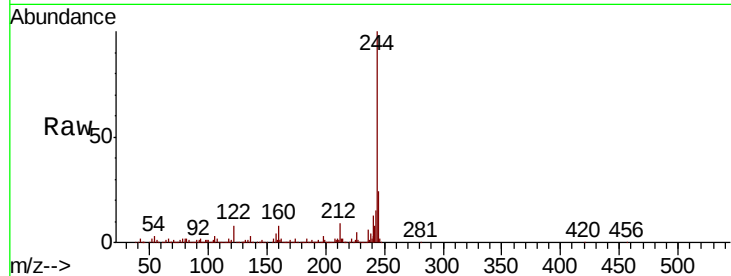
Tgt Ion:244 Resp: 1813164

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.4

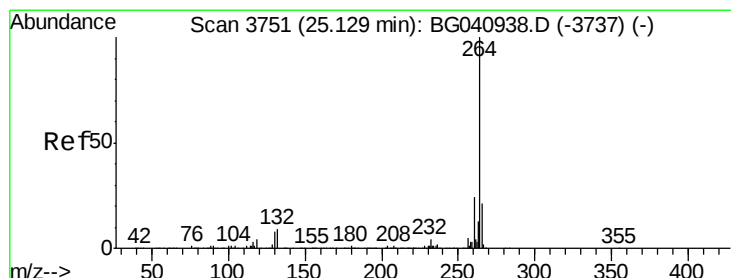
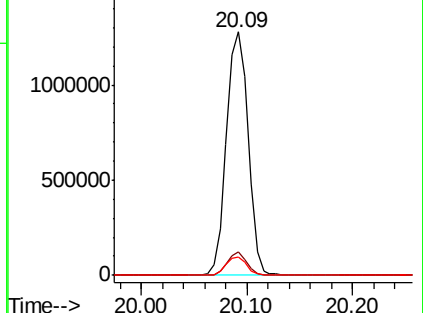
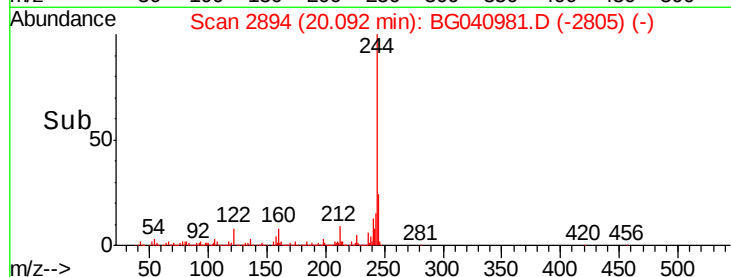
122 7.6 5.4 8.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG040981.D

Acq: 31 May 2019 16:41

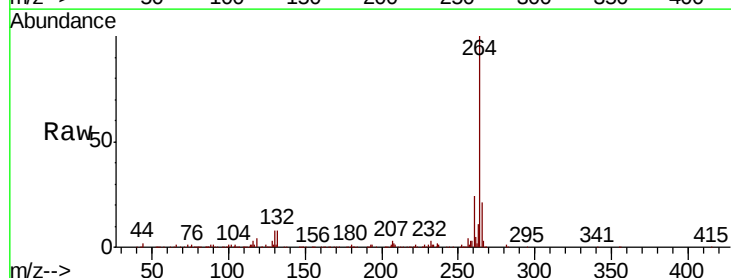
Tgt Ion:264 Resp: 483154

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 20.7 17.0 25.4



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

