

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041009.D
 Acq On : 1 Jun 2019 12:59
 Operator : HP/JU
 Sample : K3104-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:11:37 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

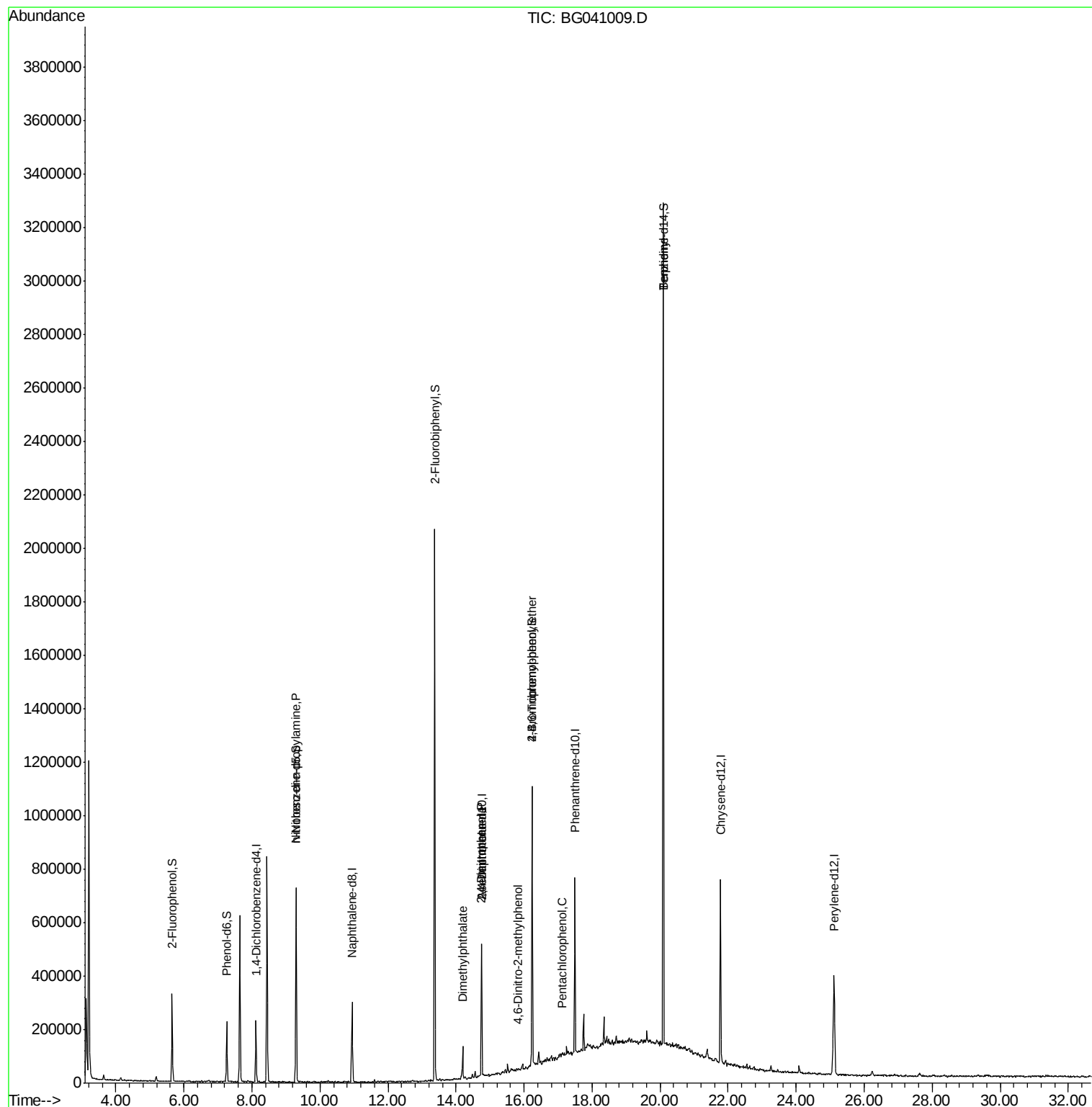
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	61095	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	240435	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	177042	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	397621	20.00	ng	0.00
76) Chrysene-d12	21.77	240	413523	20.00	ng	-0.01
87) Perylene-d12	25.11	264	440164	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	131173	38.72	ng	0.00
7) Phenol-d6	7.26	99	122565	23.42	ng	0.00
23) Nitrobenzene-d5	9.29	82	441331	81.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.24	330	205607	78.23	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1029725	83.76	ng	-0.01
79) Terphenyl-d14	20.09	244	1496467	76.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	64426	15.999	ng	Qvalue # 78
50) Dimethylphthalate	14.19	163	72501	4.838	ng	99
54) 2,4-Dinitrophenol	14.74	184	54	8.291	ng	# 1
57) 2,4-Dinitrotoluene	14.75	165	22101	4.842	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.83	198	298	8.704	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	14956	2.787	ng	# 1
70) Pentachlorophenol	17.14	266	62	4.275	ng	# 18
77) Benzidine	20.09	184	26826	2.719	ng	95

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

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QLast Update : Wed May 29 18:39:57 2019
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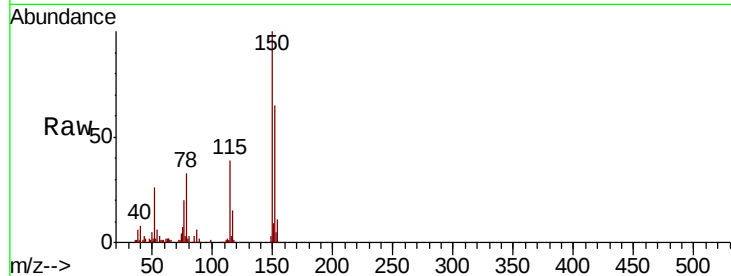


#1

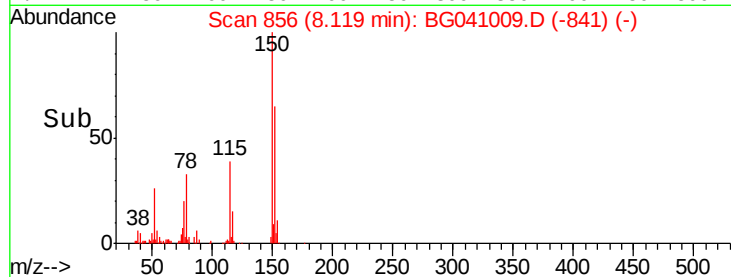
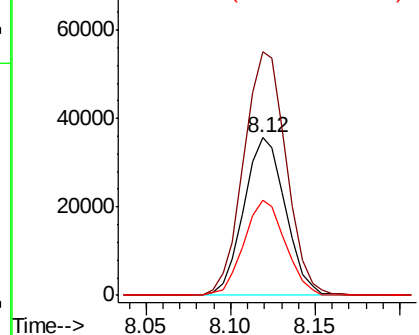
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BG041009.D
 Acq: 1 Jun 2019 12:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	120.6	180.8
115	60.2	45.1	67.7



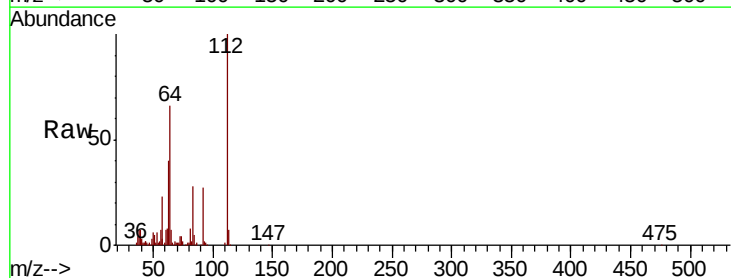
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



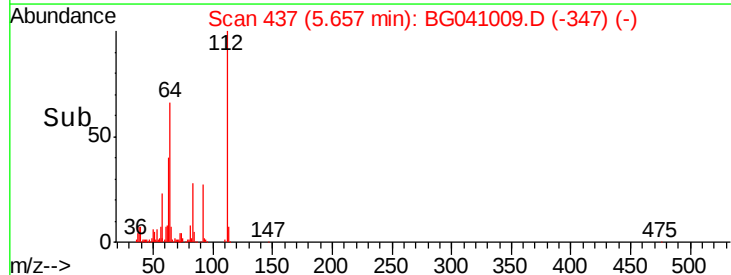
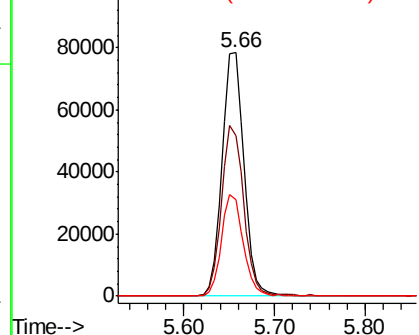
#5

2-Fluorophenol
 Concen: 38.716 ng
 RT: 5.66 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: BG041009.D
 Acq: 1 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	56.2	84.2
63	39.8	32.8	49.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.423 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

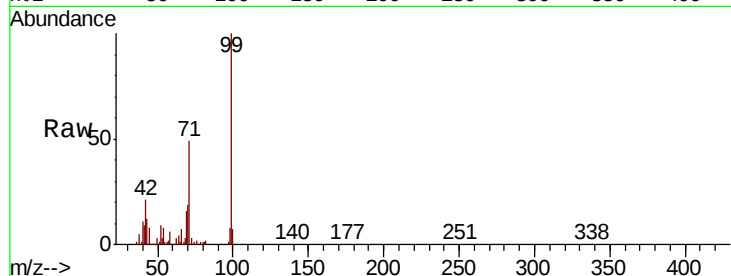
Tot Ion: 99 Resp: 122565

Ion Ratio Lower Upper

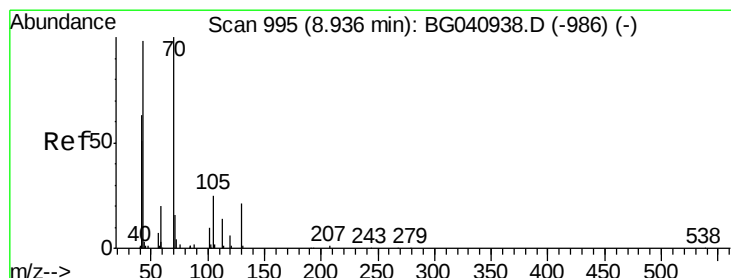
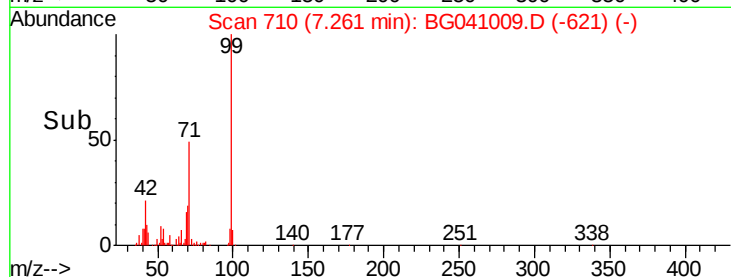
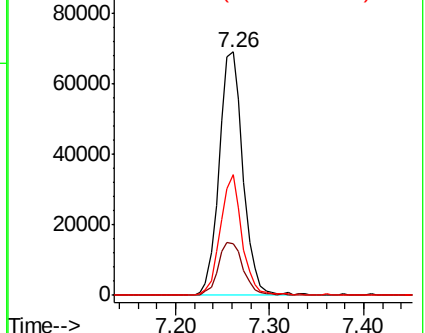
99 100

42 20.9 17.9 26.9

71 49.4 35.4 53.0



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: 15.999 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Tgt Ion: 70 Resp: 64426

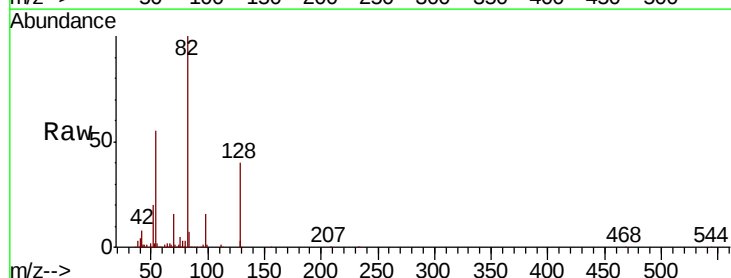
Ion Ratio Lower Upper

70 100

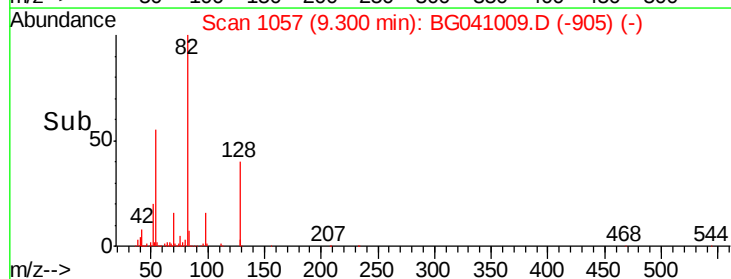
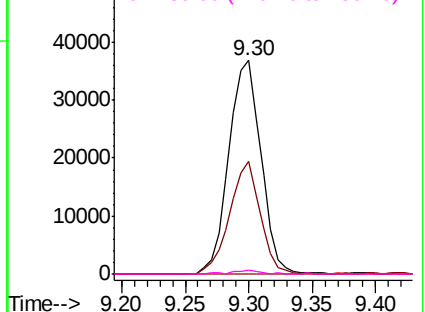
42 52.7 51.5 77.3

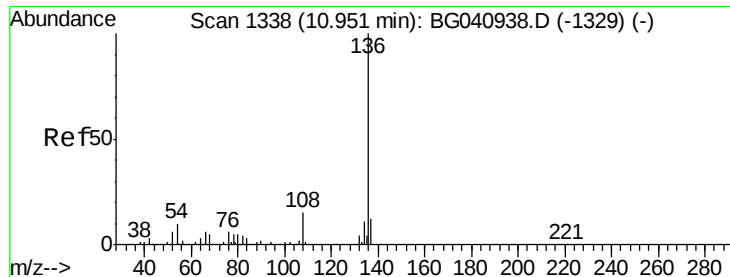
101 0.0 8.1 12.1#

130 1.6 16.6 24.8#



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

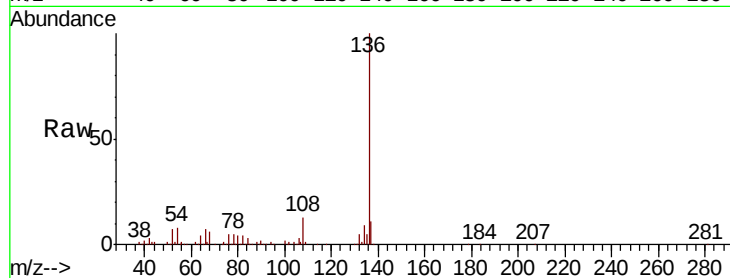




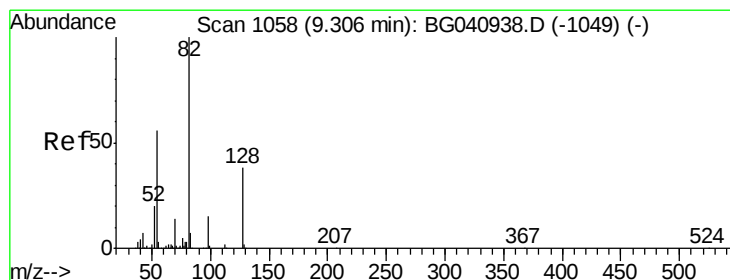
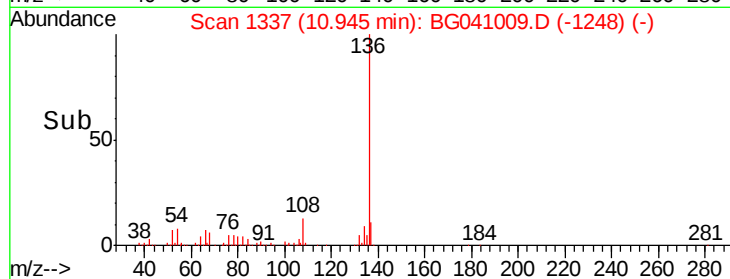
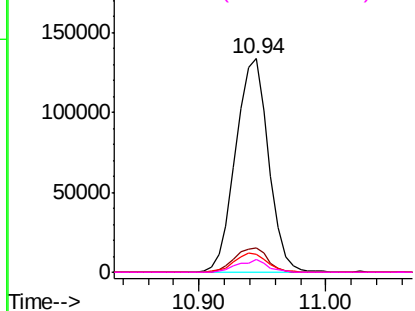
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	240435
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.5 14.3
54	8.4	7.6 11.4
68	5.7	3.9 5.9

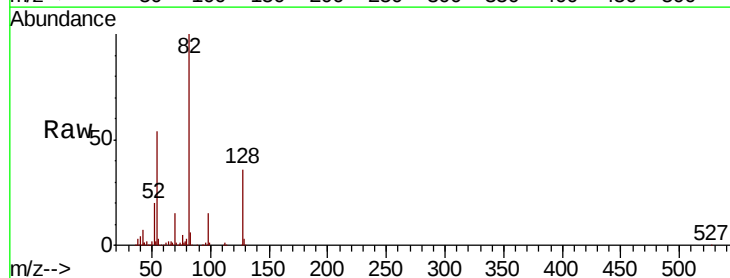


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

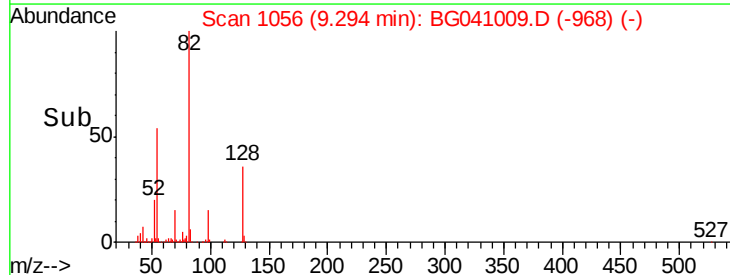
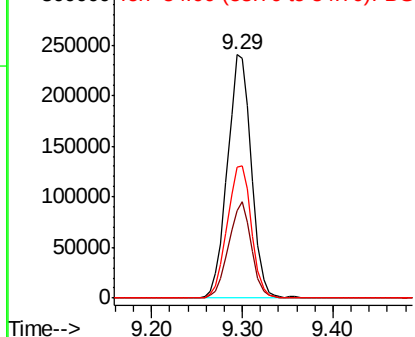


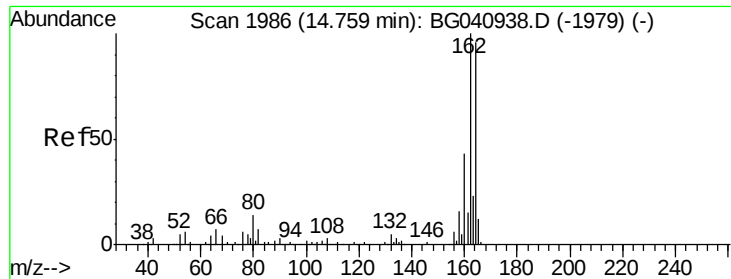
#23
Nitrobenzene-d5
Concen: 81.487 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion: 82	Resp:	441331
Ion Ratio	Lower	Upper
82	100	
128	35.7	30.5 45.7
54	53.7	44.6 66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

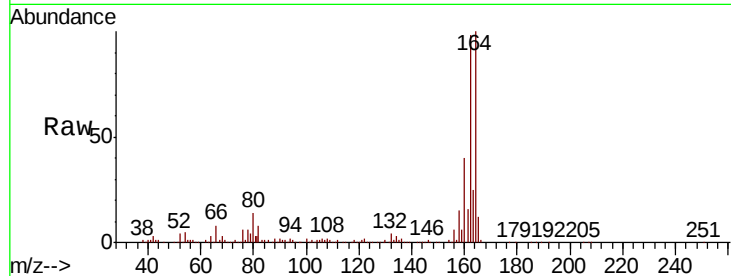
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 177042

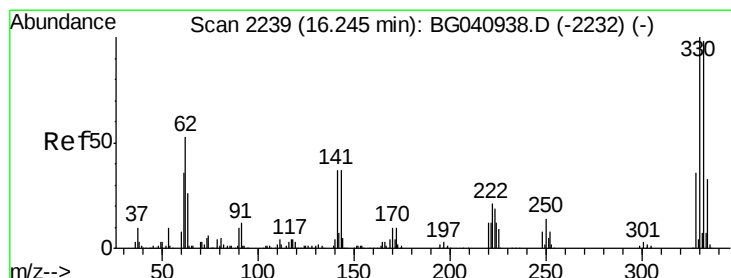
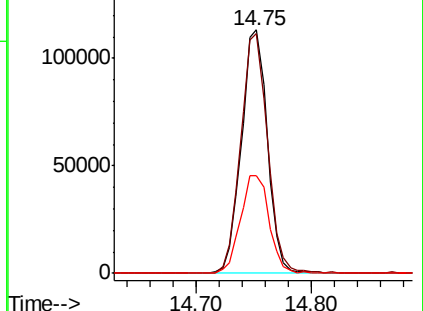
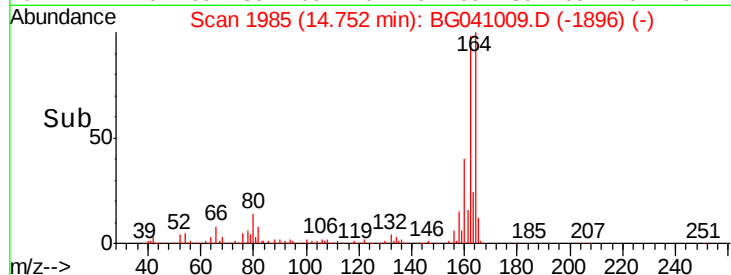
Ion	Ratio	Lower	Upper
164	100		
162	98.5	83.0	124.4
160	40.3	35.6	53.4



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: 78.228 ng

RT: 16.24 min Scan# 2238

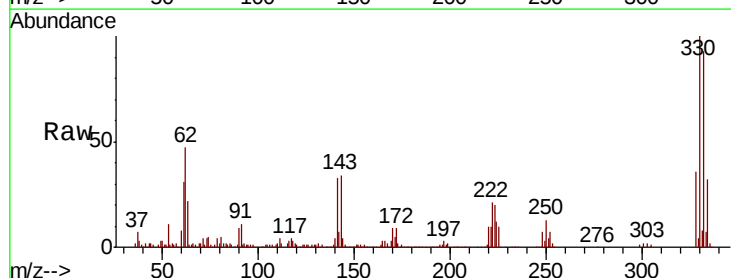
Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Tgt Ion:330 Resp: 205607

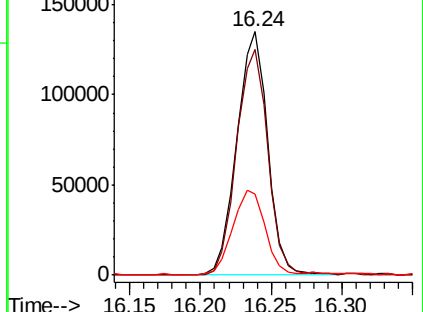
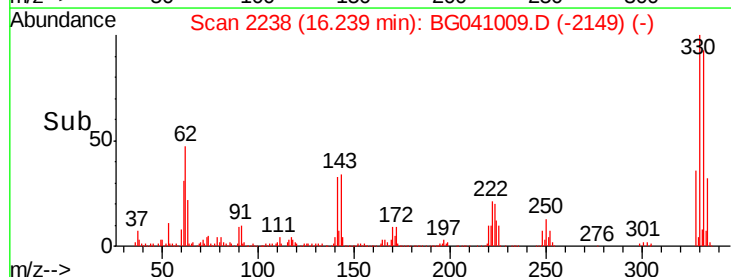
Ion	Ratio	Lower	Upper
330	100		
332	94.0	78.5	117.7
141	35.8	28.7	43.1

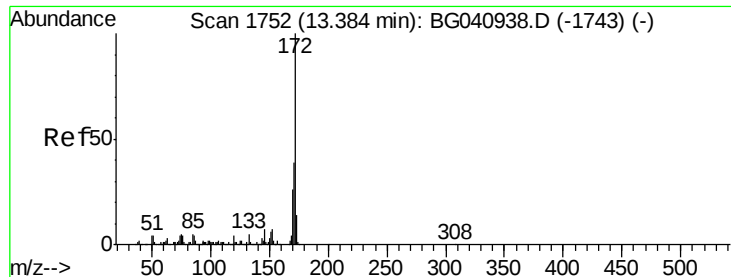


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

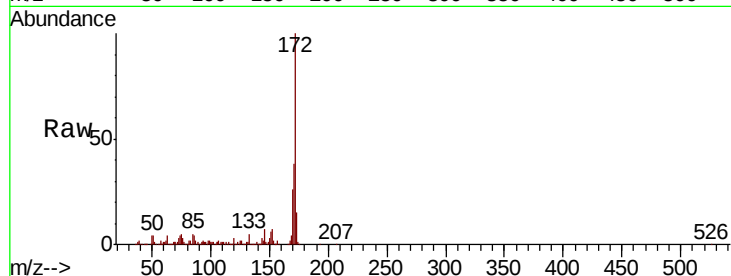




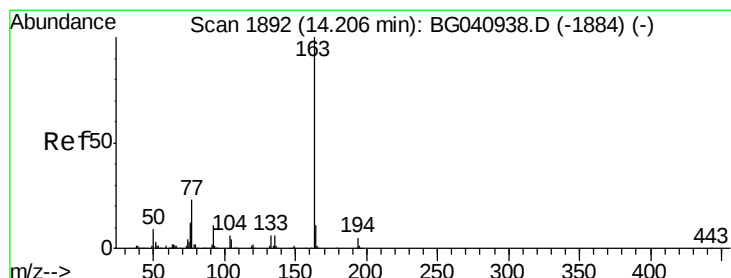
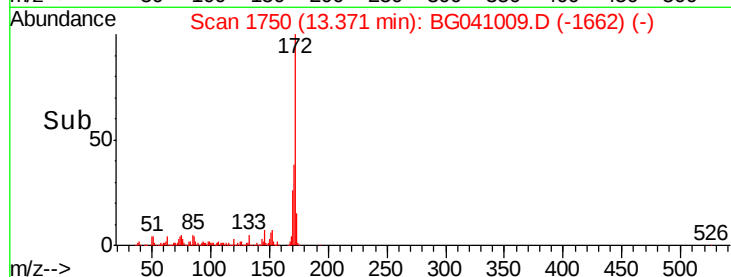
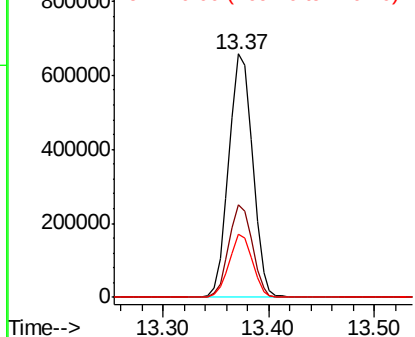
#45
2-Fluorobiphenyl
Concen: 83.761 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1029725
Ion Ratio Lower Upper
172 100
171 37.9 31.1 46.7
170 25.8 20.5 30.7

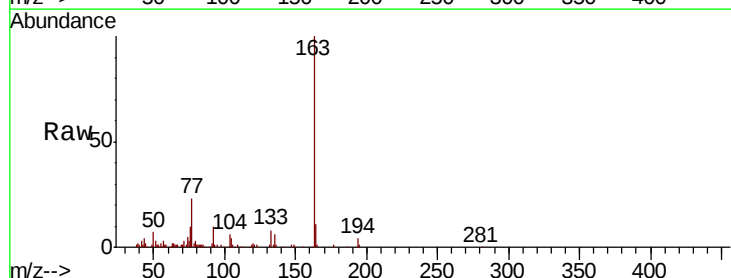


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

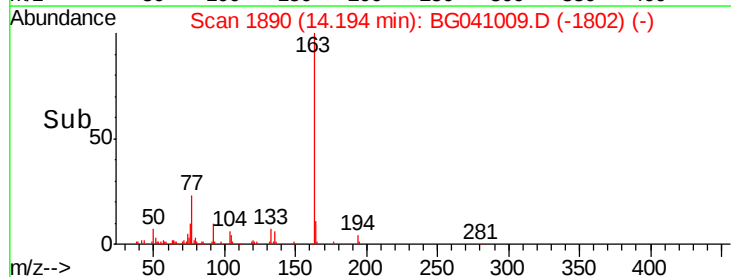
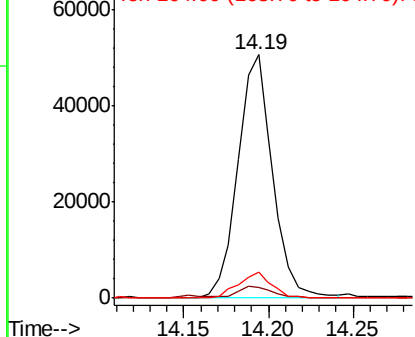


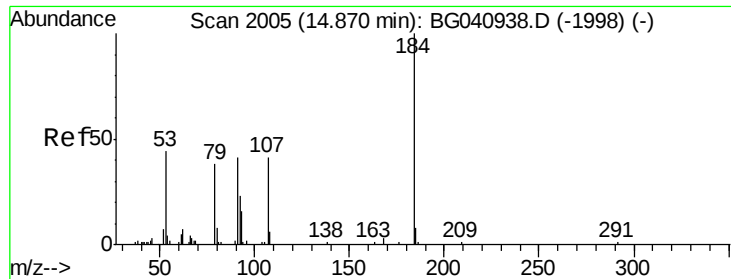
#50
Dimethylphthalate
Concen: 4.838 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion:163 Resp: 72501
Ion Ratio Lower Upper
163 100
194 4.3 3.8 5.8
164 10.6 8.7 13.1



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





#54

2,4-Dinitrophenol

Concen: 8.291 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.13 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

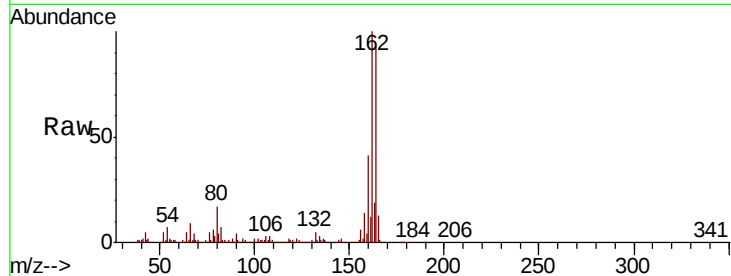
Tot Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 240.8 49.8 74.6#

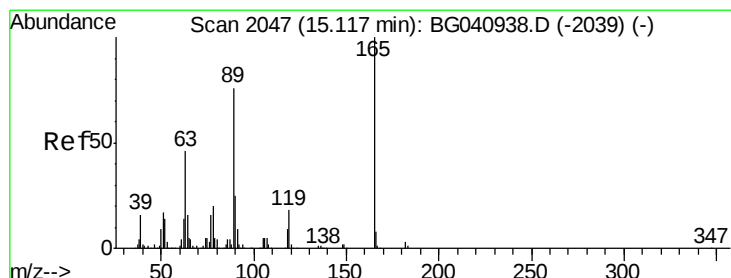
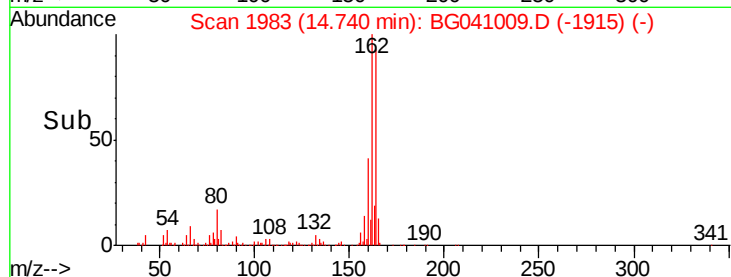
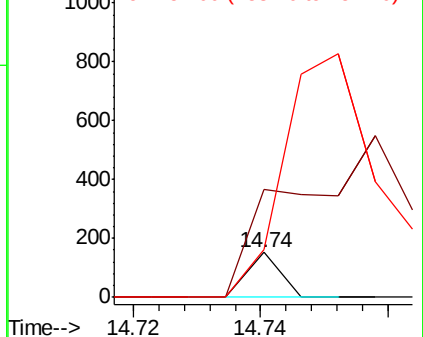
154 105.3 52.2 78.4#



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



#57

2,4-Dinitrotoluene

Concen: 4.842 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.36 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Tgt Ion:165 Resp: 22101

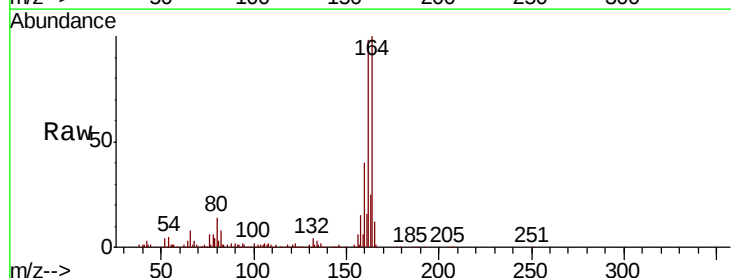
Ion Ratio Lower Upper

165 100

63 2.5 37.3 55.9#

89 2.0 61.0 91.6#

182 0.0 2.2 3.2#

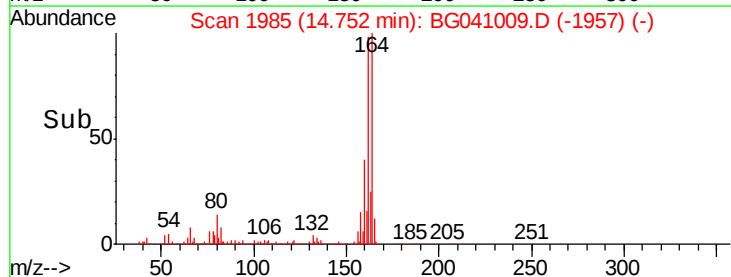
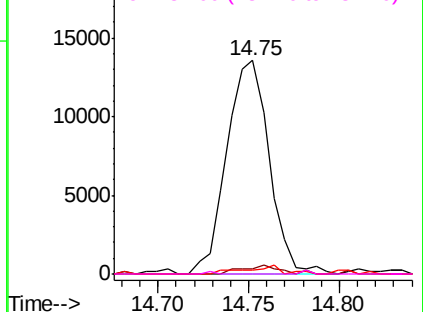


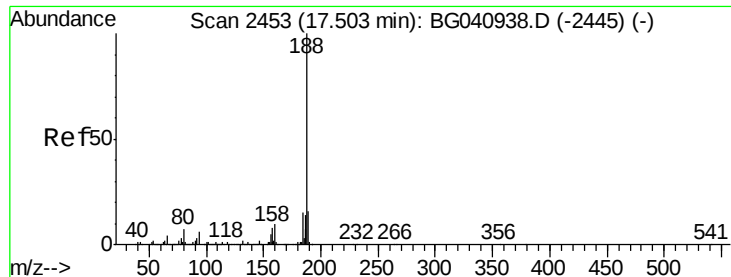
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

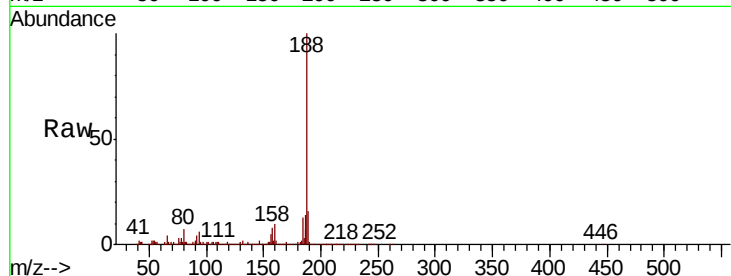
Tot Ion:188 Resp: 397621

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

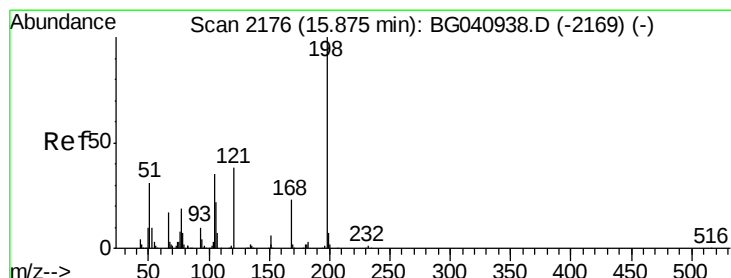
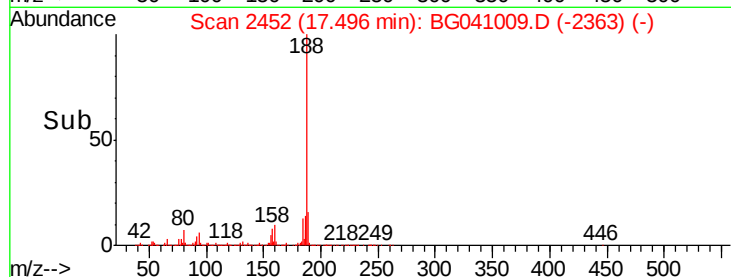
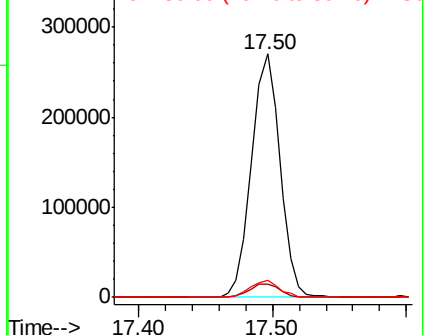
80 6.9 5.8 8.8



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: 8.704 ng

RT: 15.83 min Scan# 2168

Delta R.T. -0.05 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

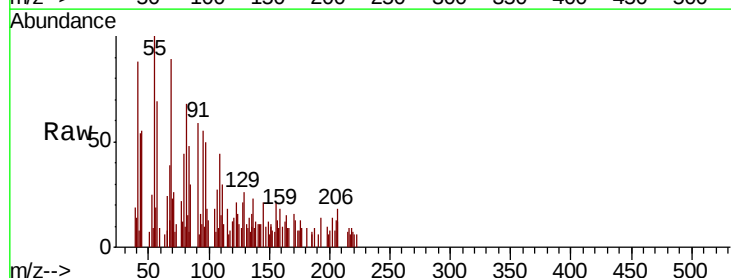
Tgt Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 64.9 21.6 61.6#

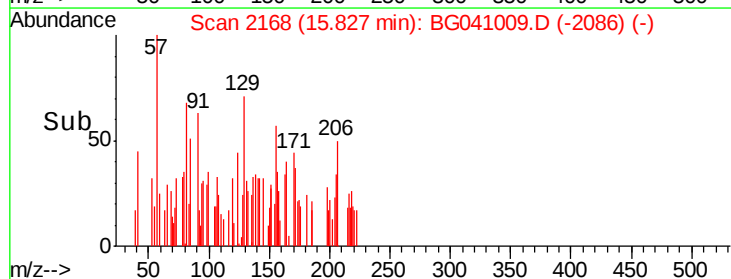
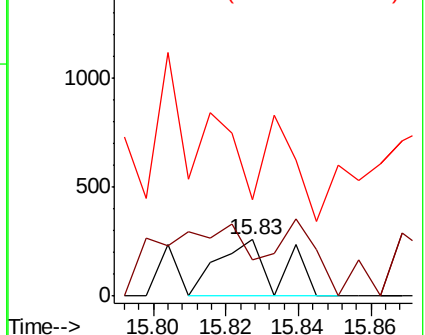
105 171.4 17.5 57.5#

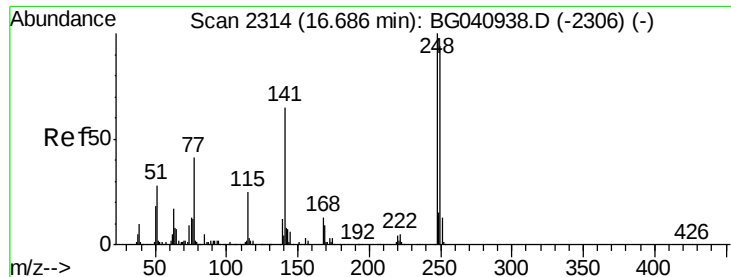


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

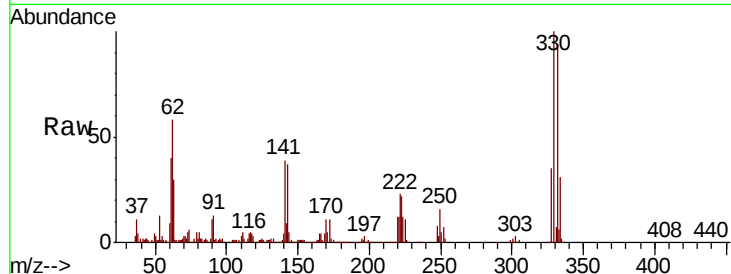




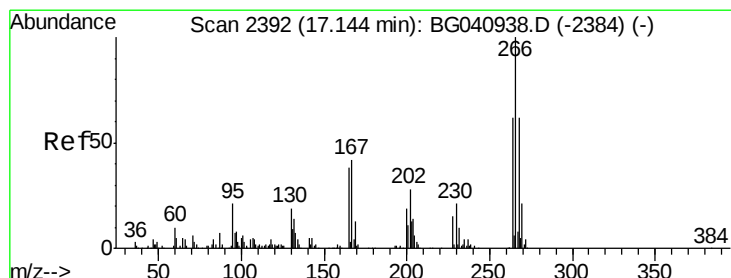
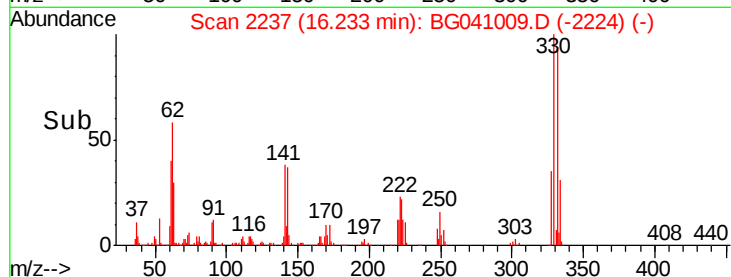
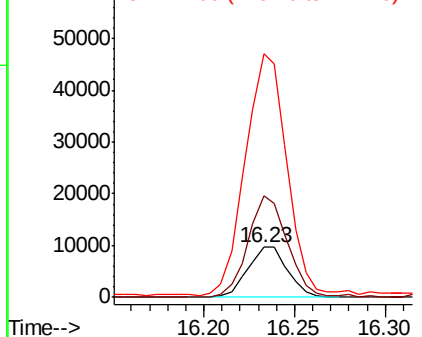
#67
4-Bromophenyl-phenylether
Concen: 2.787 ng
RT: 16.23 min Scan# 2237
Delta R.T. -0.45 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14956
Ion Ratio Lower Upper
248 100
250 202.0 75.0 112.4#
141 484.9 52.4 78.6#

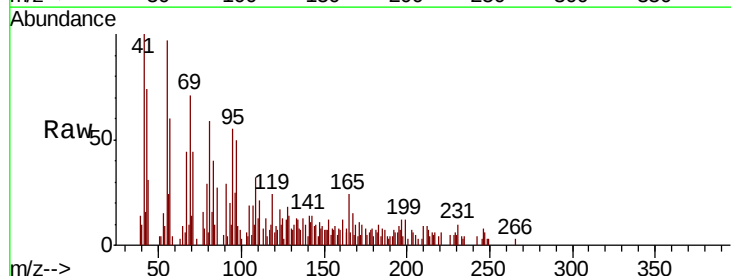


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

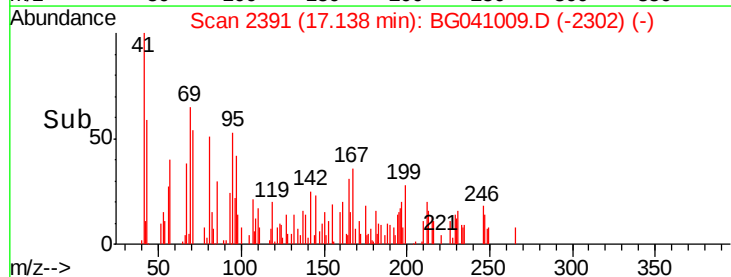
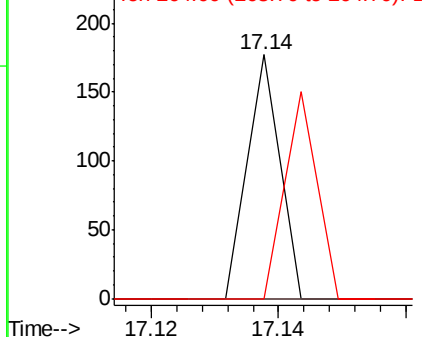


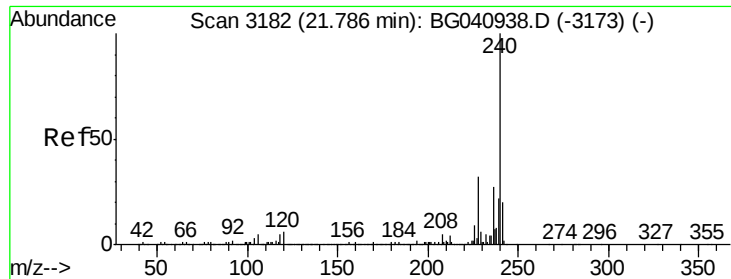
#70
Pentachlorophenol
Concen: 4.275 ng
RT: 17.14 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion:266 Resp: 62
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: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

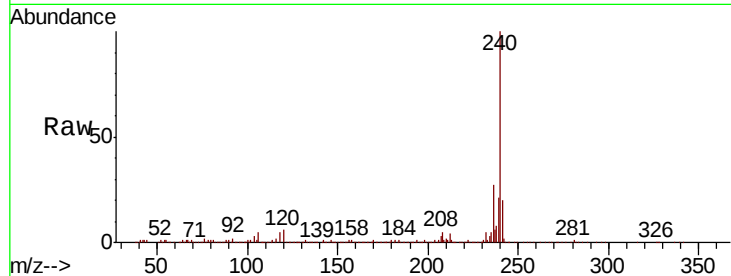
Tot Ion:240 Resp: 413523

Ion Ratio Lower Upper

240 100

120 6.1 4.5 6.7

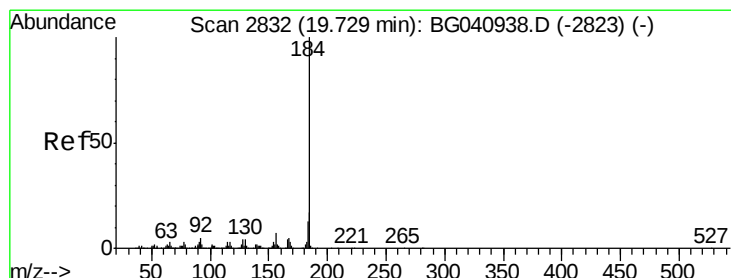
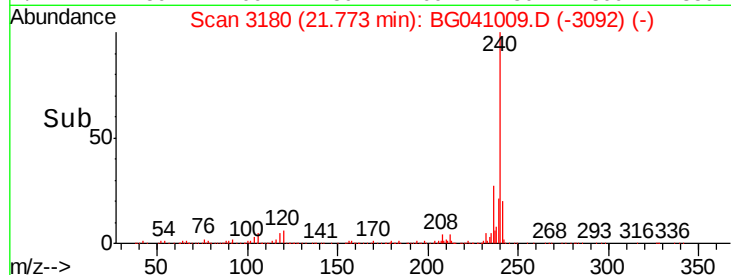
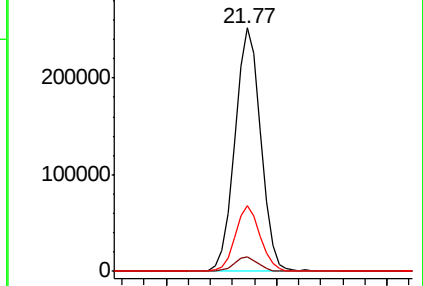
236 26.8 21.3 31.9



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: 2.719 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

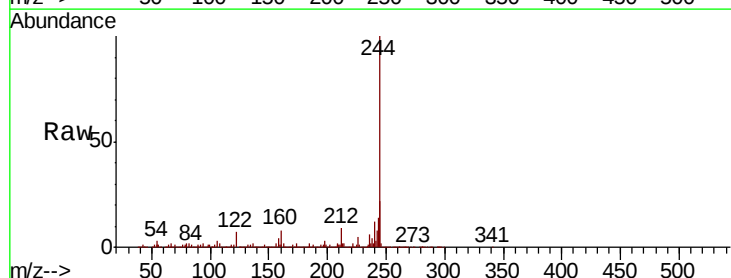
Tgt Ion:184 Resp: 26826

Ion Ratio Lower Upper

184 100

185 18.5 13.3 19.9

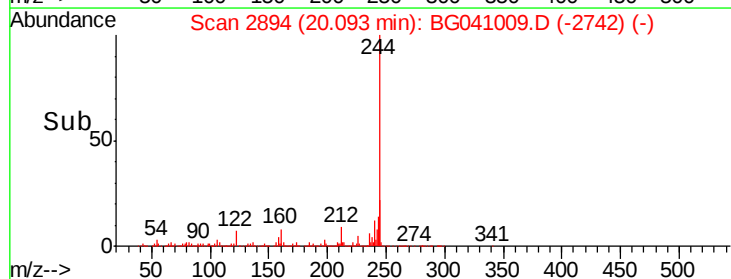
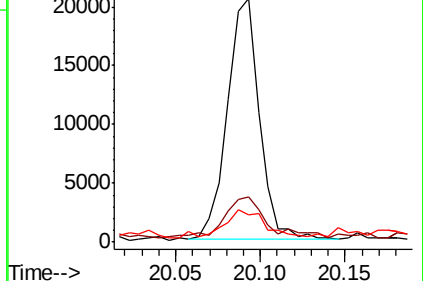
183 11.0 10.7 16.1

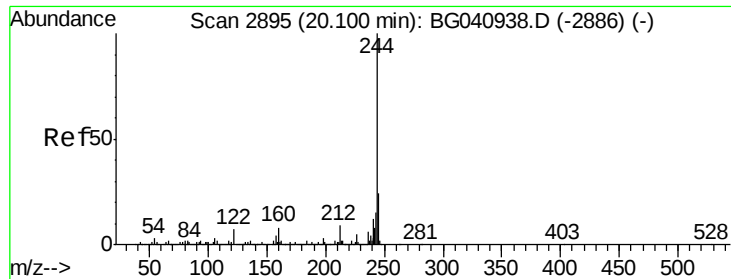


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 76.804 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

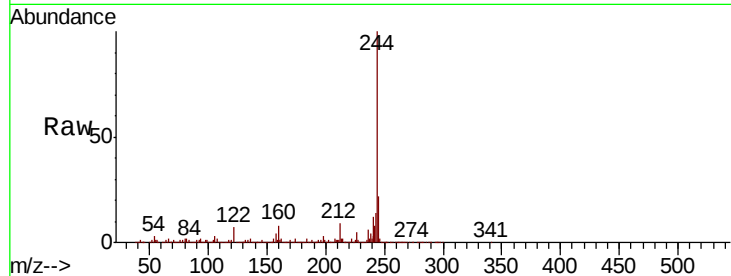
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1496467

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.4
122	6.8	5.4	8.0

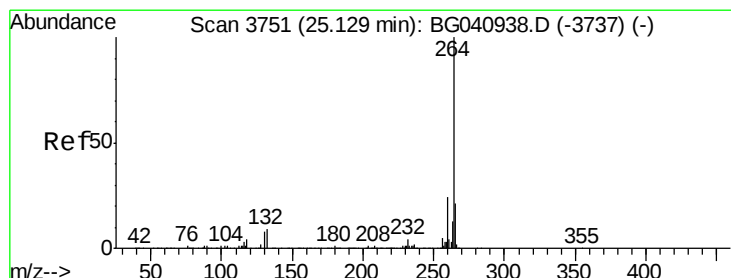
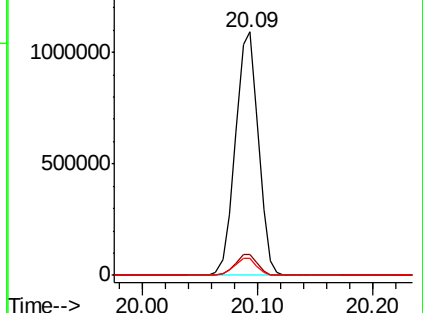
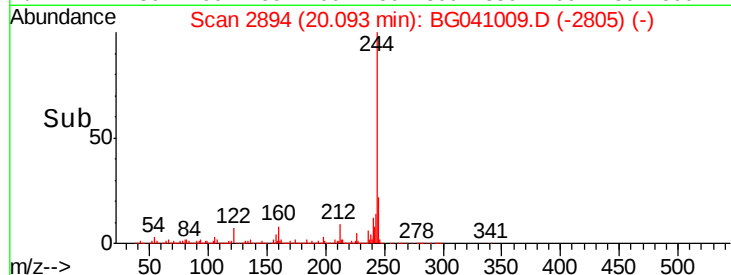


Abundance

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

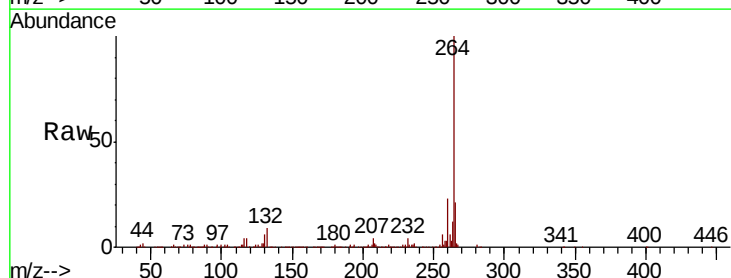
Delta R.T. -0.02 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Tgt Ion:264 Resp: 440164

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.2	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

