

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
 Data File : BG040848.D
 Acq On : 10 May 2019 12:49
 Operator : HP/JU
 Sample : K2762-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 10 15:17:19 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

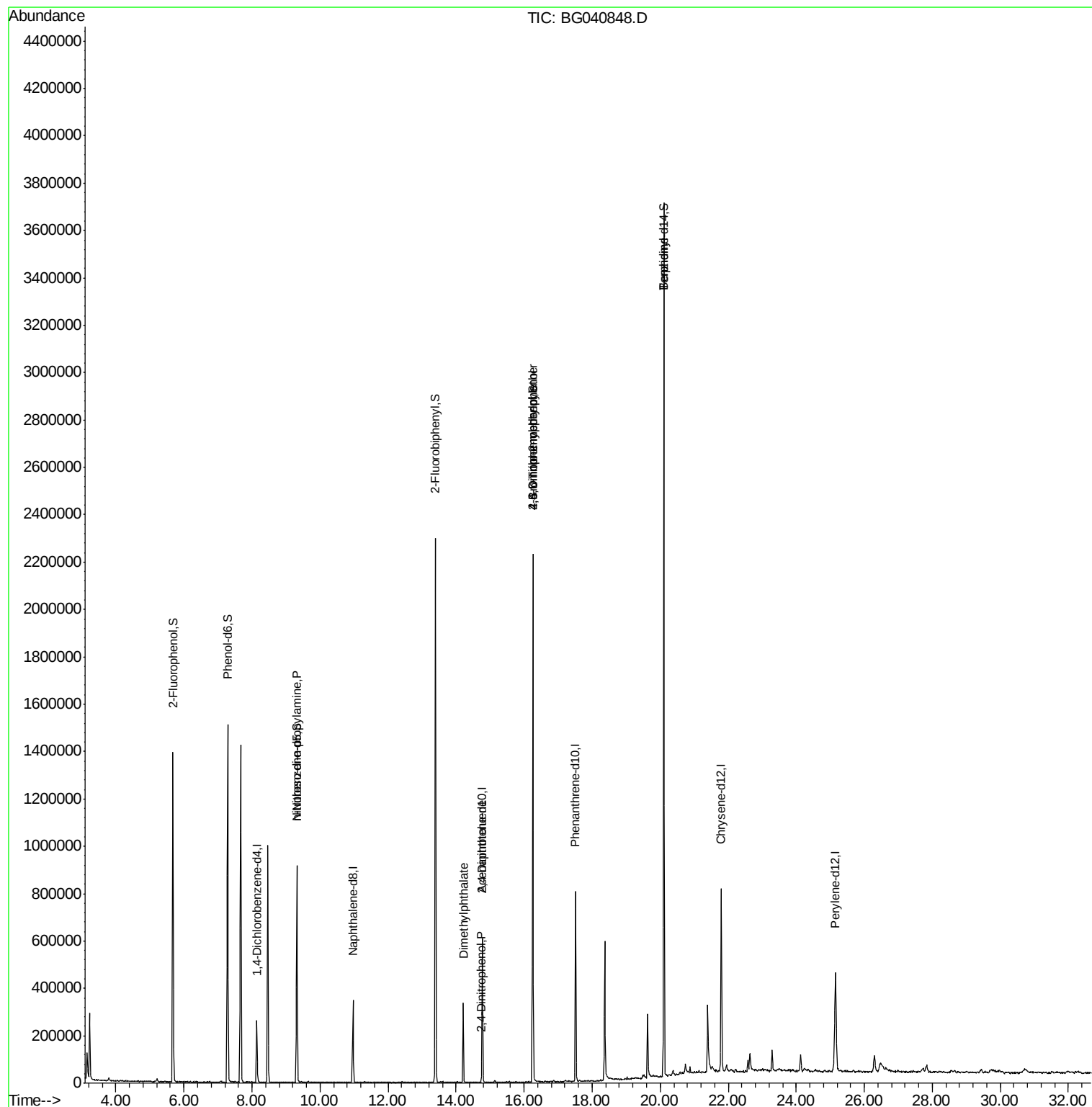
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	65245	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	281177	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	203751	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	498391	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	477968	20.00	ng	-0.03
87) Perylene-d12	25.15	264	510278	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	518474	140.08	ng	-0.01
7) Phenol-d6	7.28	99	777375	136.41	ng	-0.01
23) Nitrobenzene-d5	9.32	82	555543	91.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	404375	144.39	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	1121322	79.48	ng	-0.02
79) Terphenyl-d14	20.11	244	1679303	77.84	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	1937	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	79594	15.515 ng	#	70
50) Dimethylphthalate	14.21	163	202551	11.882 ng	#	99
54) 2,4-Dinitrophenol	14.74	184	55	7.041 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	26389	5.837 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.26	198	1387	7.582 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	29246	4.710 ng	#	1
77) Benzidine	20.11	184	29661	2.266 ng	#	94

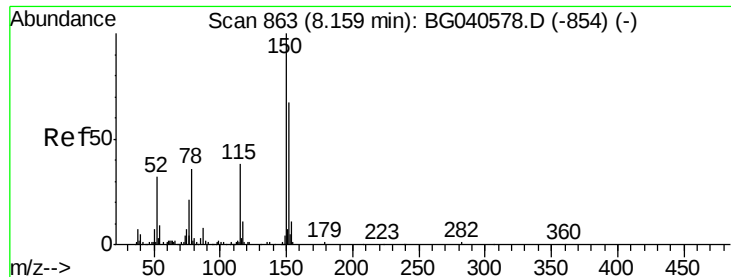
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 24 05:35:33 2019
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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: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampleId :

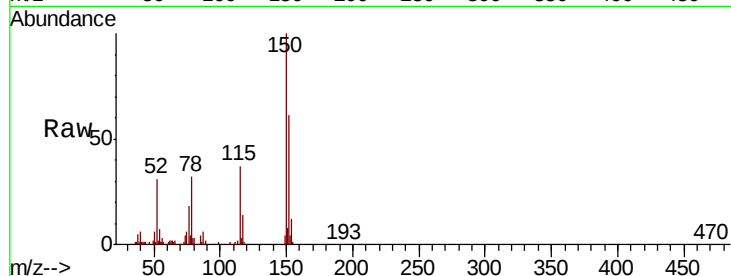
Tot Ion:152 Resp: 65245

Ion Ratio Lower Upper

152 100

150 164.0 120.2 180.2

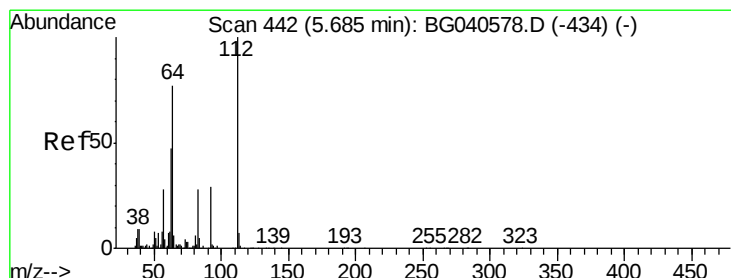
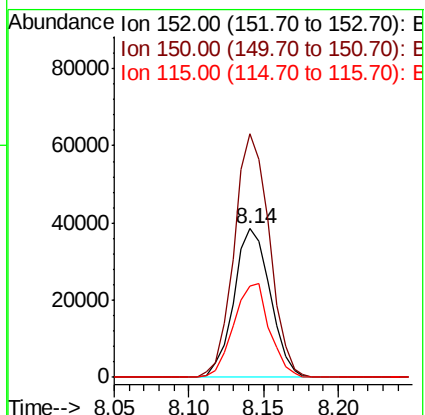
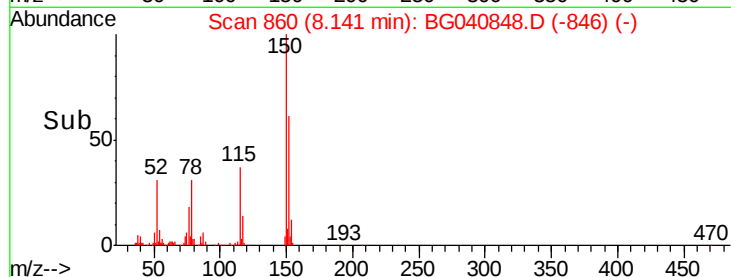
115 61.2 46.2 69.2



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



#5

2-Fluorophenol

Concen: 140.079 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

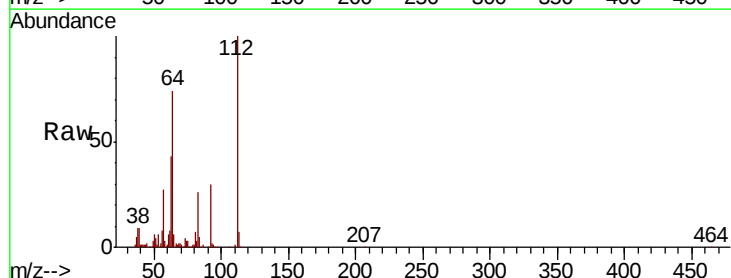
Tgt Ion:112 Resp: 518474

Ion Ratio Lower Upper

112 100

64 73.7 61.4 92.0

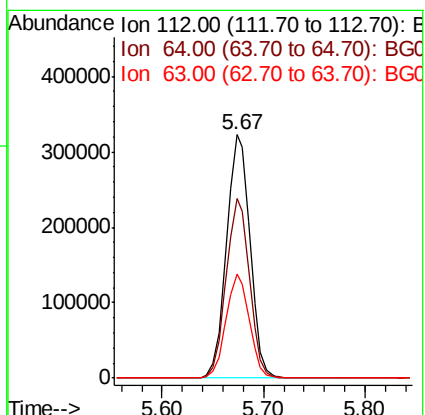
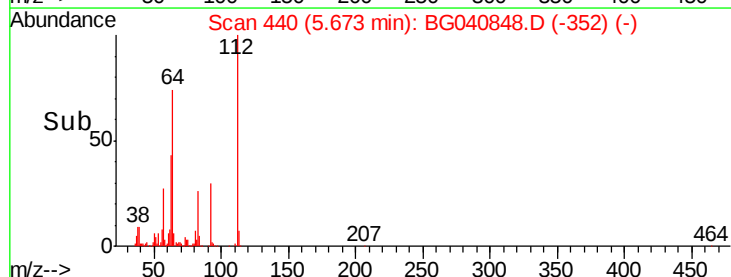
63 42.6 37.8 56.6



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: 136.407 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampled :

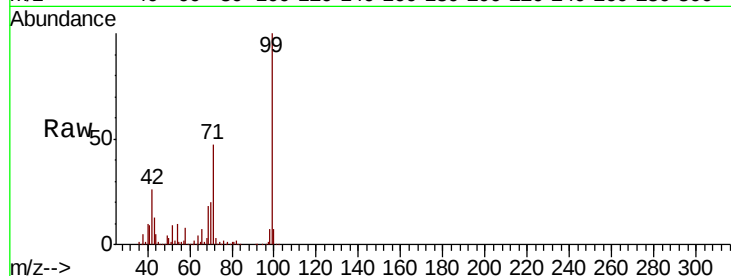
Tot Ion: 99 Resp: 777375

Ion Ratio Lower Upper

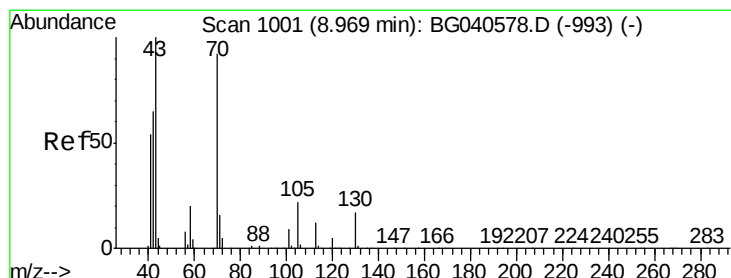
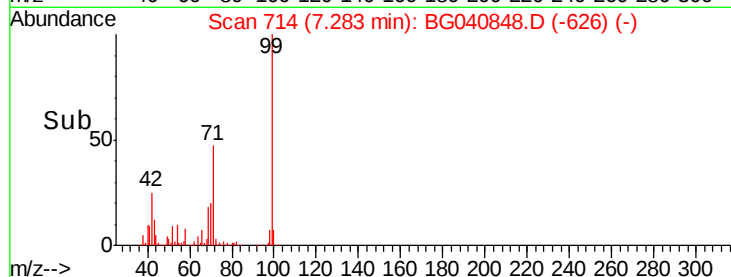
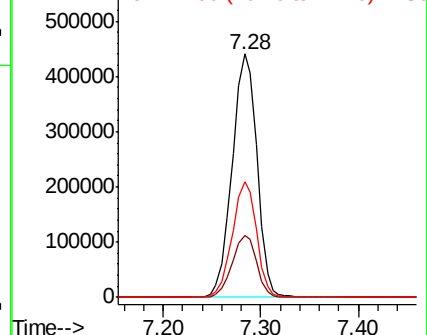
99 100

42 25.5 21.8 32.8

71 47.2 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: 15.515 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Tgt Ion: 70 Resp: 79594

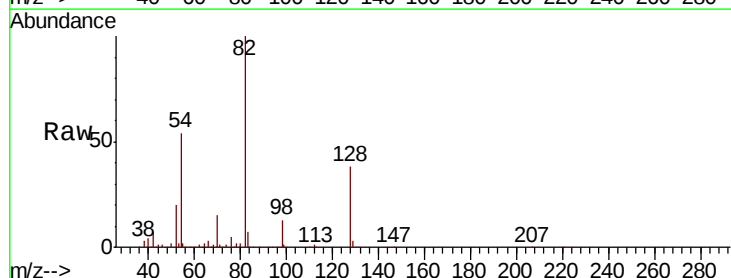
Ion Ratio Lower Upper

70 100

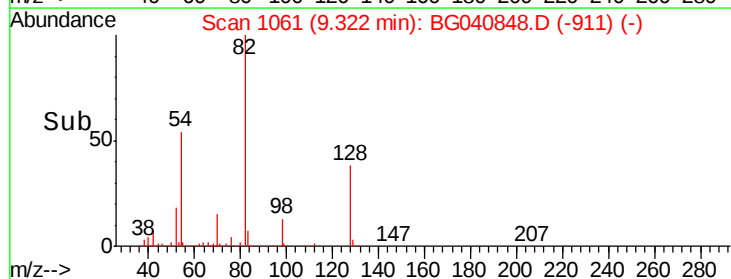
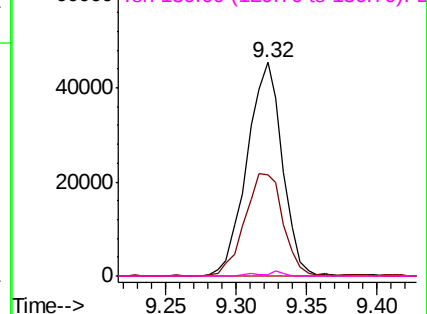
42 47.6 57.1 85.7#

101 0.0 7.8 11.8#

130 0.8 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

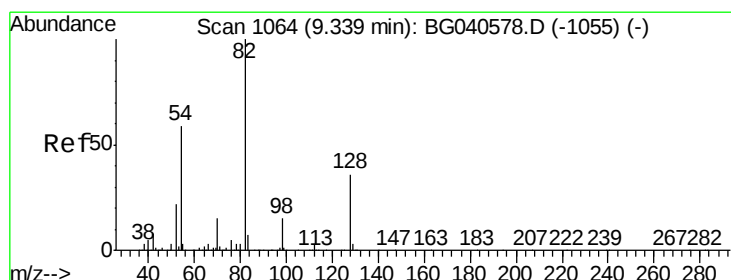
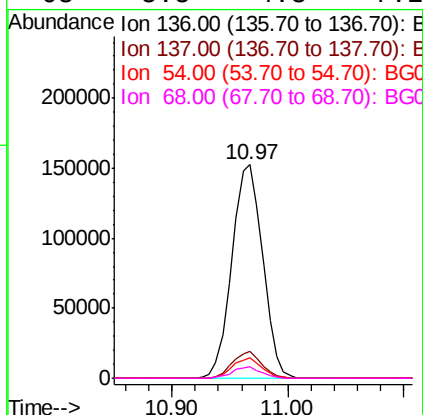
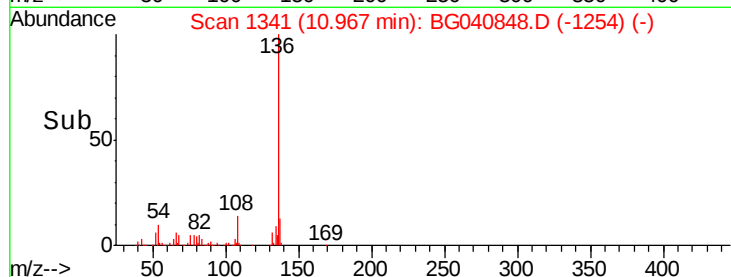
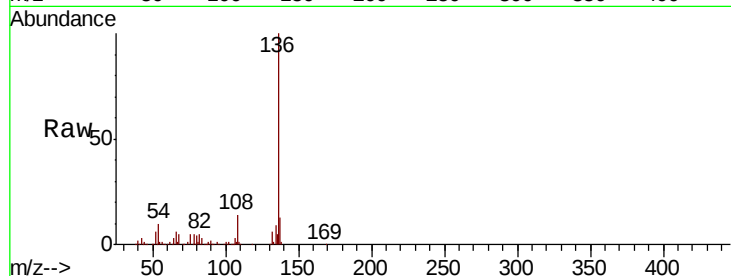




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040848.D
Acq: 10 May 2019 12:49

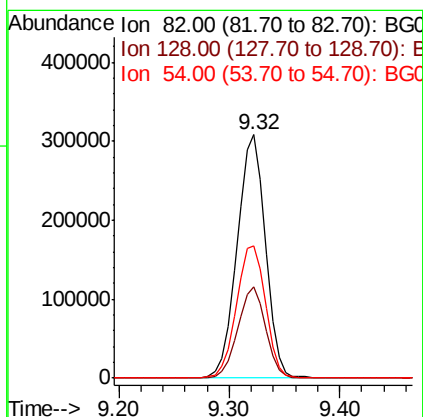
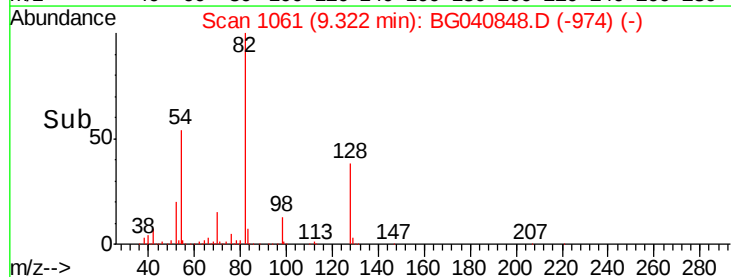
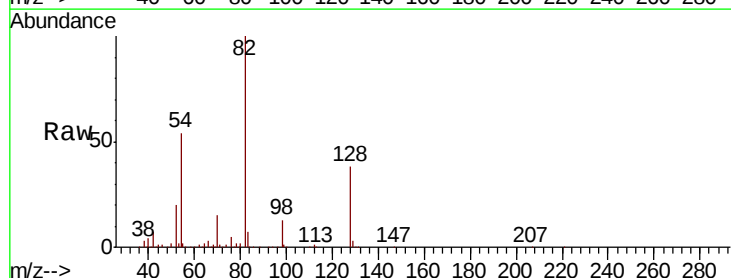
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	281177
Ion Ratio	Lower	Upper
136 100		
137 12.6	9.7	14.5
54 9.6	8.6	12.8
68 5.5	4.8	7.2



#23
Nitrobenzene-d5
Concen: 91.293 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040848.D
Acq: 10 May 2019 12:49

Tgt Ion: 82	Resp: 555543
Ion Ratio	Lower Upper
82 100	
128 37.8	28.9 43.3
54 54.4	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampleId :

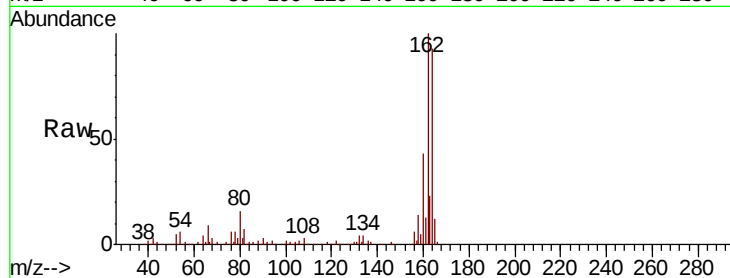
Tot Ion:164 Resp: 203751

Ion Ratio Lower Upper

164 100

162 107.8 81.9 122.9

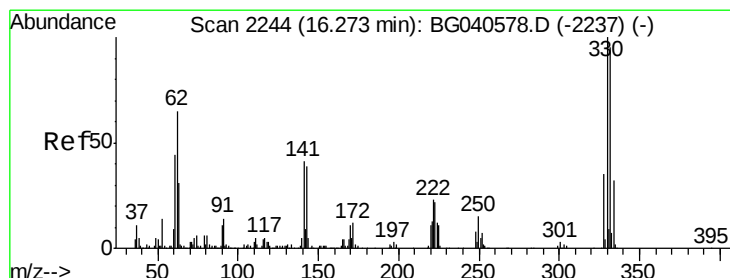
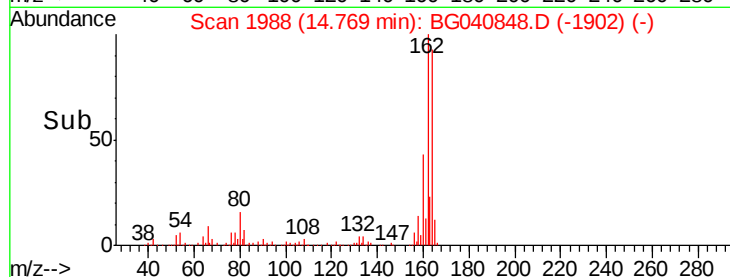
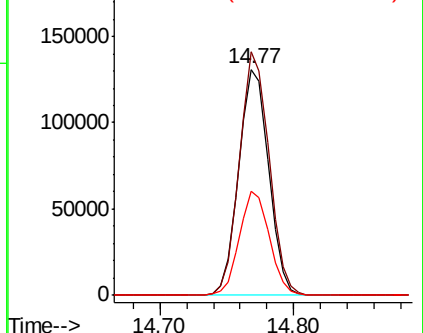
160 46.1 35.4 53.2



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: 144.389 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

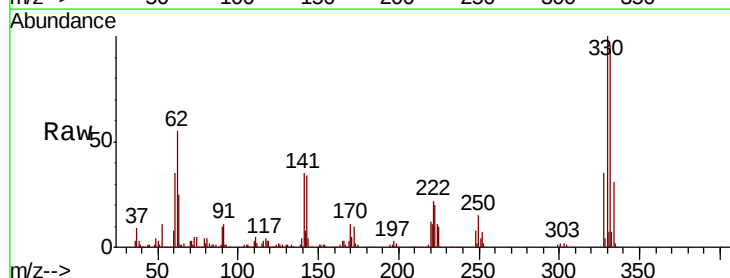
Tgt Ion:330 Resp: 404375

Ion Ratio Lower Upper

330 100

332 97.2 75.9 113.9

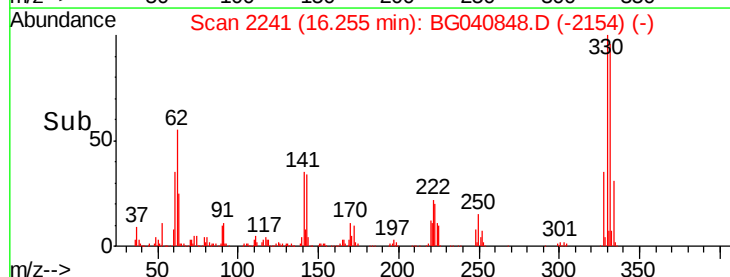
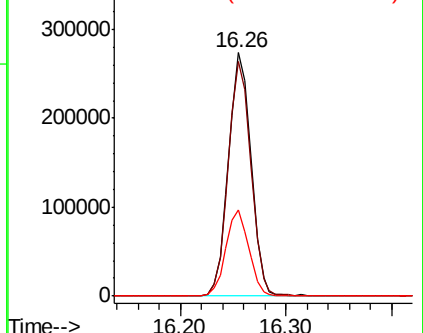
141 36.0 32.4 48.6



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: 79.480 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

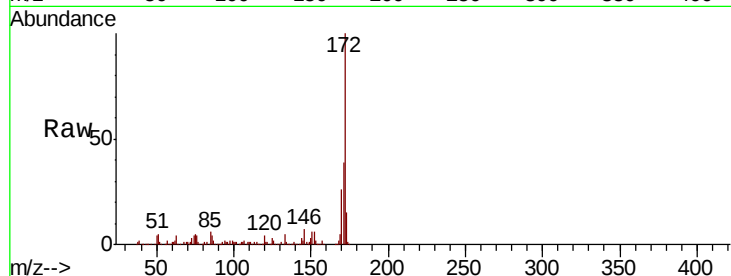
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 1121322

Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.4	44.2
170	26.0	19.9	29.9

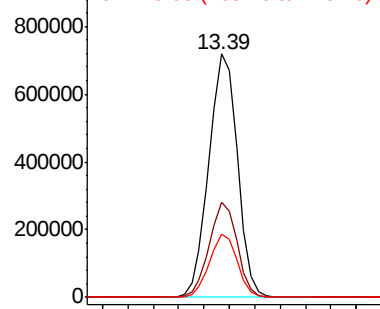


Abundance

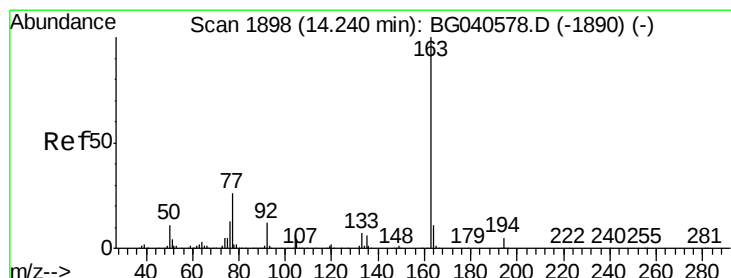
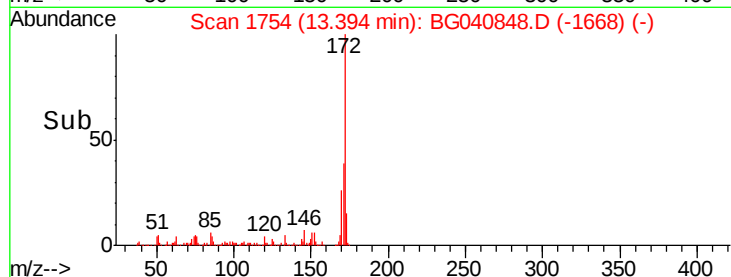
Ion 172.00 (171.70 to 172.70): E

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



#50

Dimethylphthalate

Concen: 11.882 ng

RT: 14.21 min Scan# 1893

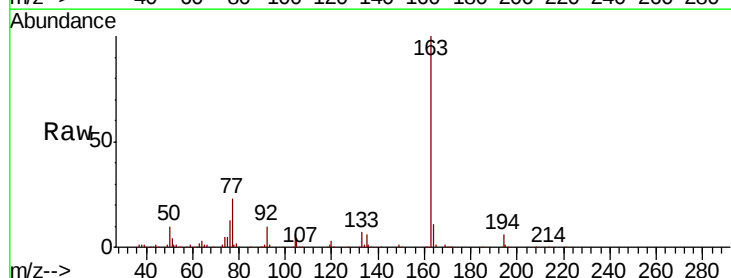
Delta R.T. -0.03 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Tgt Ion:163 Resp: 202551

Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.8	5.8
164	11.2	8.8	13.2

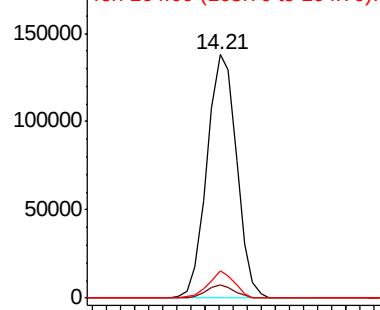


Abundance

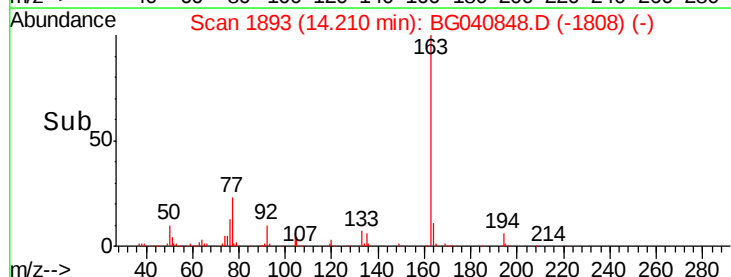
Ion 163.00 (162.70 to 163.70): E

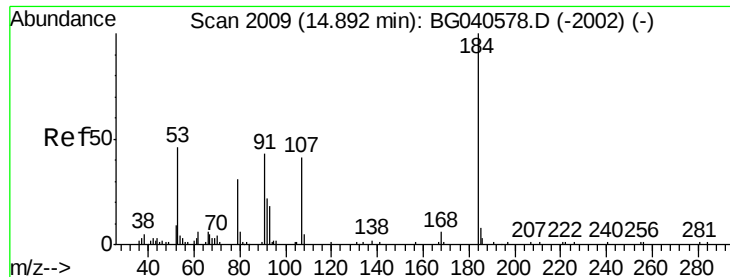
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time--> 14.15 14.20 14.25 14.30





#54

2,4-Dinitrophenol

Concen: 7.041 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.15 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampleId :

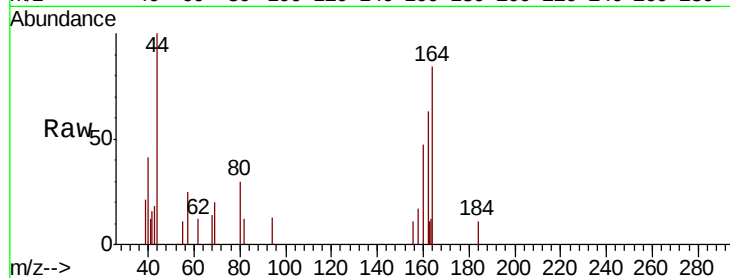
Tot Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

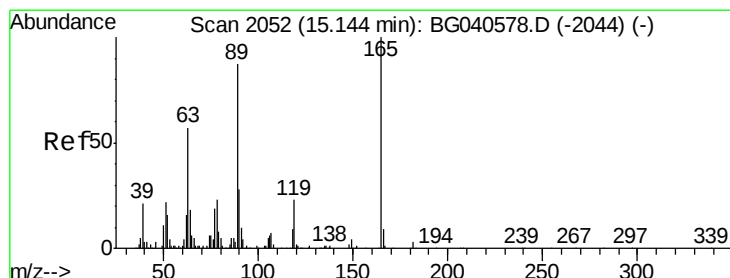
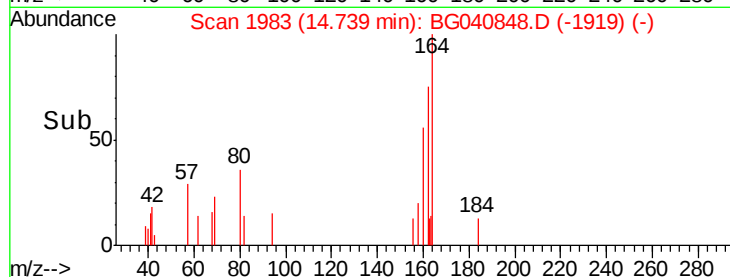
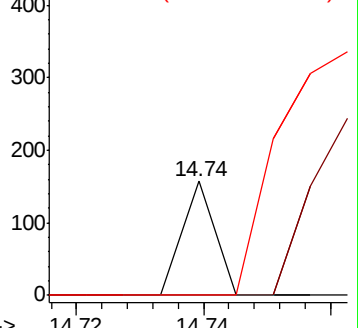
154 0.0 43.6 65.4#



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



#57

2,4-Dinitrotoluene

Concen: 5.837 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Tgt Ion:165 Resp: 26389

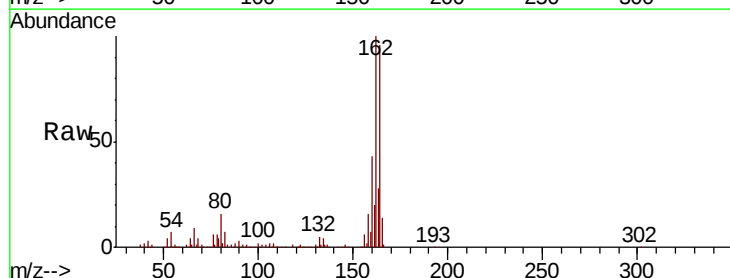
Ion Ratio Lower Upper

165 100

63 2.2 45.8 68.8#

89 2.7 69.4 104.2#

182 0.0 2.2 3.4#

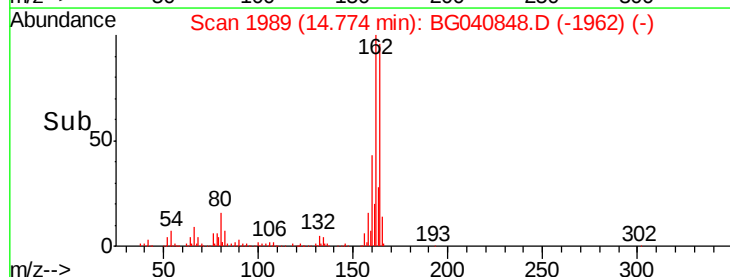
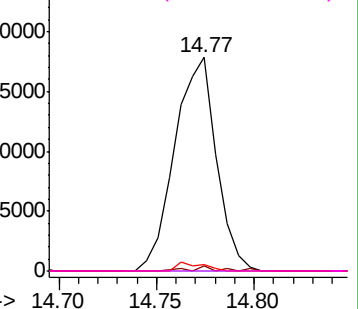


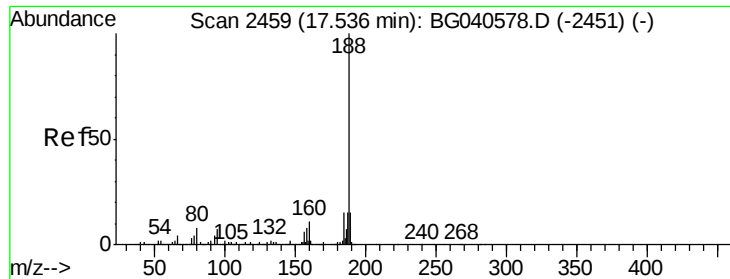
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampleId :

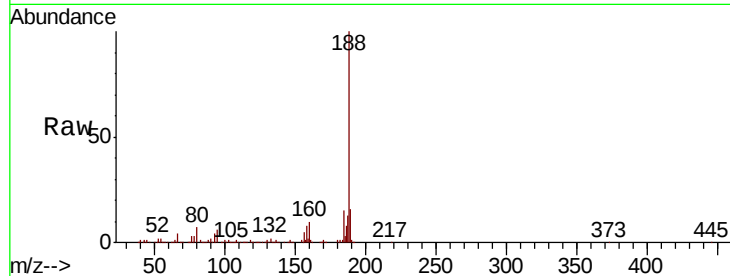
Tot Ion:188 Resp: 498391

Ion Ratio Lower Upper

188 100

94 6.2 5.6 8.4

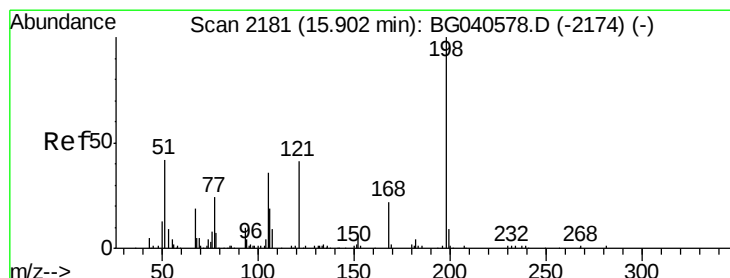
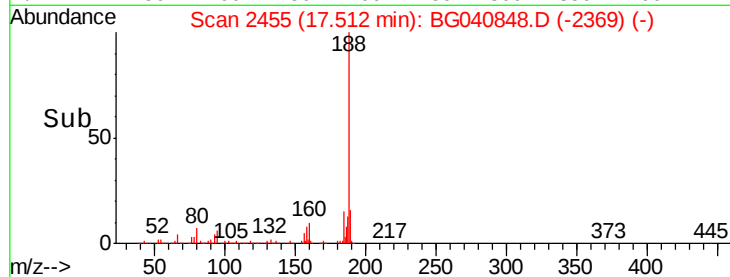
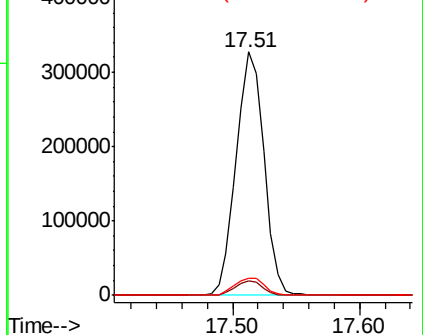
80 7.2 6.4 9.6



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: 7.582 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

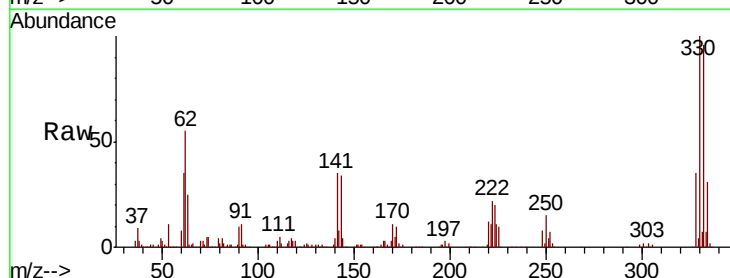
Tgt Ion:198 Resp: 1387

Ion Ratio Lower Upper

198 100

51 134.0 35.9 75.9#

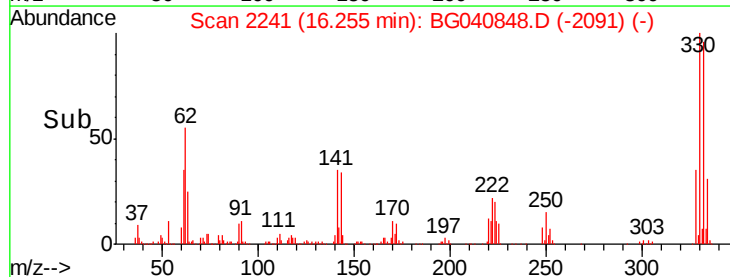
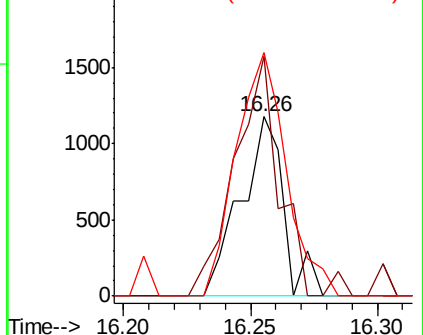
105 135.8 21.2 61.2#

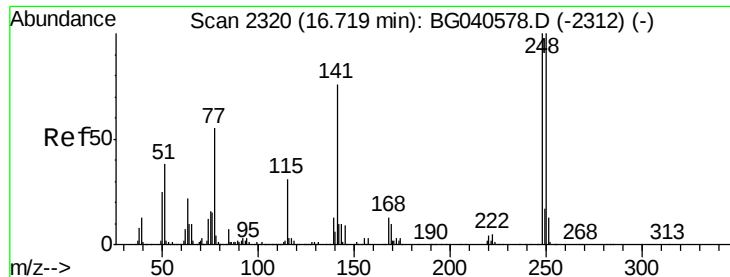


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

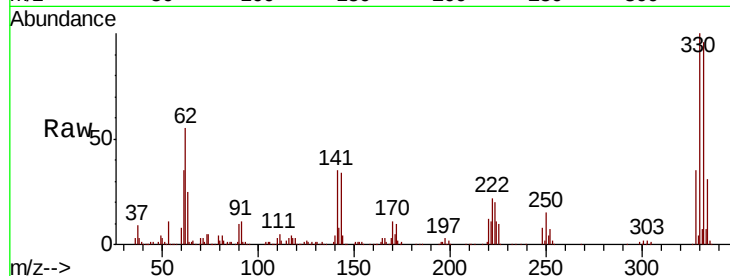




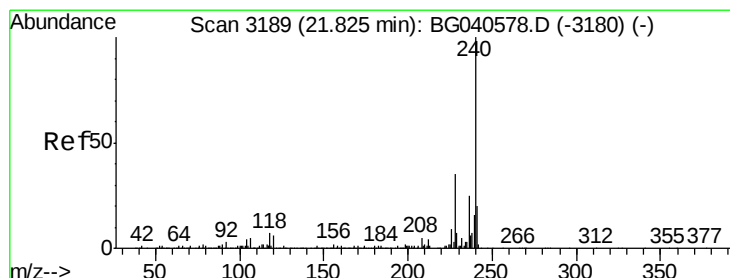
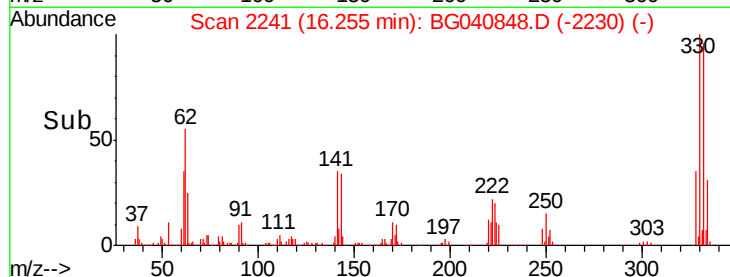
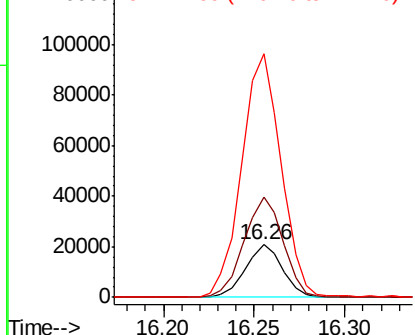
#67
4-Bromophenyl-phenylether
Concen: 4.710 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040848.D
Acq: 10 May 2019 12:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 29246
Ion Ratio Lower Upper
248 100
250 192.0 79.8 119.6#
141 465.5 60.8 91.2#

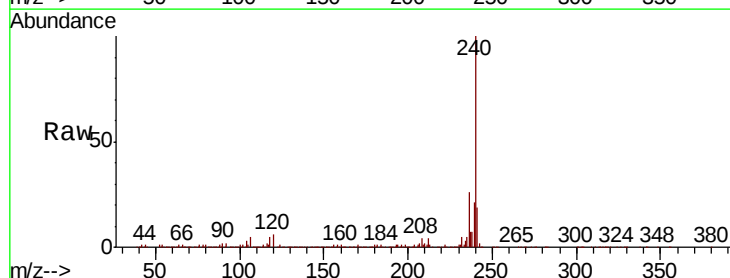


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

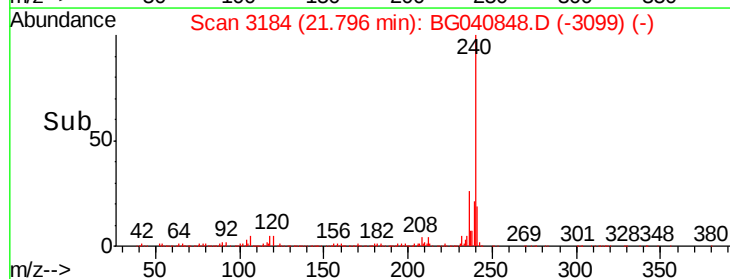
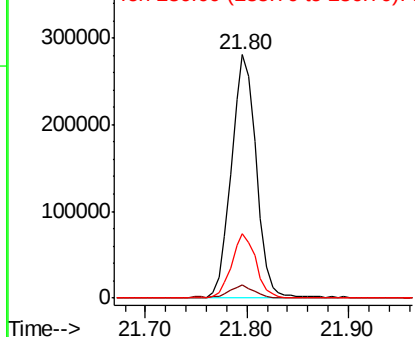


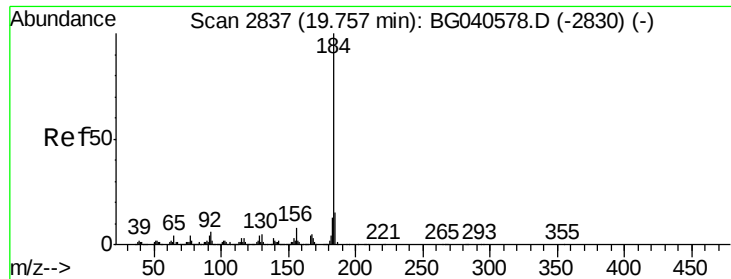
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040848.D
Acq: 10 May 2019 12:49

Tgt Ion:240 Resp: 477968
Ion Ratio Lower Upper
240 100
120 5.6 5.0 7.6
236 26.3 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: 2.266 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampleId :

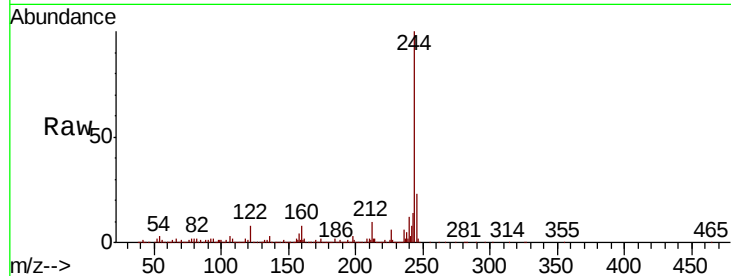
Tot Ion:184 Resp: 29661

Ion Ratio Lower Upper

184 100

185 15.4 11.8 17.8

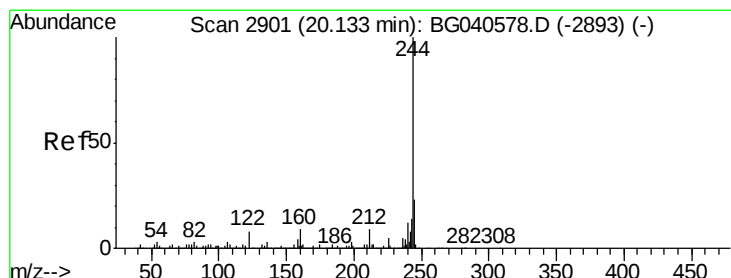
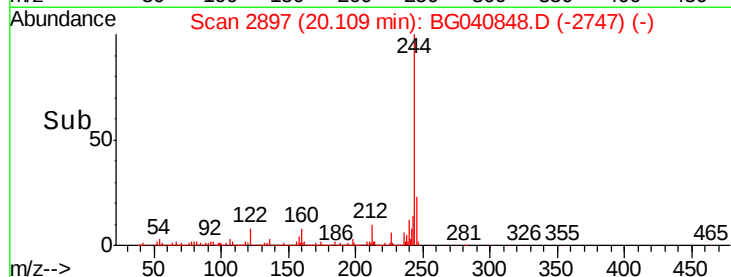
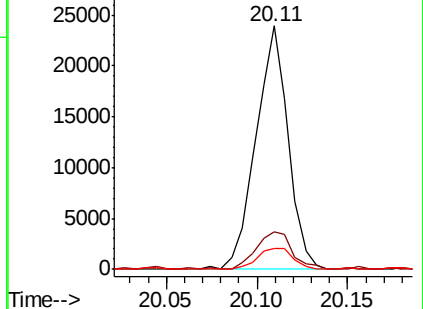
183 8.4 10.2 15.2#



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: 77.837 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

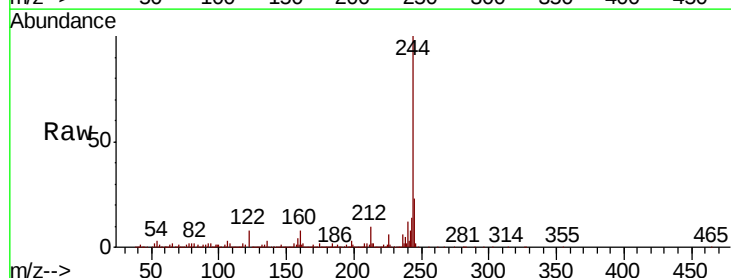
Tgt Ion:244 Resp: 1679303

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

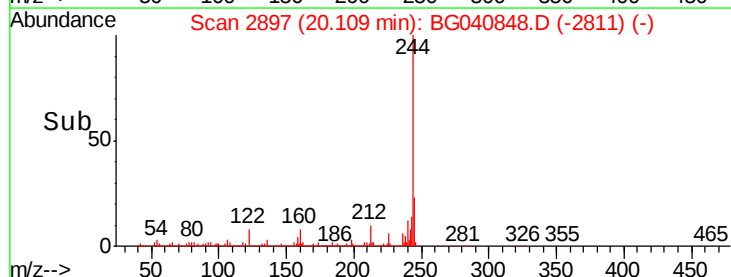
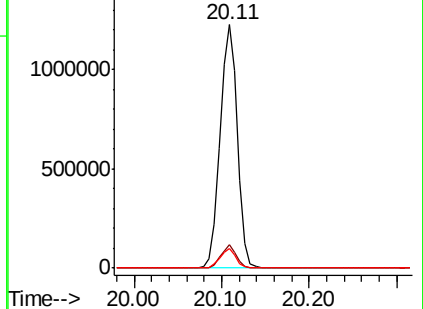
122 7.8 6.6 10.0

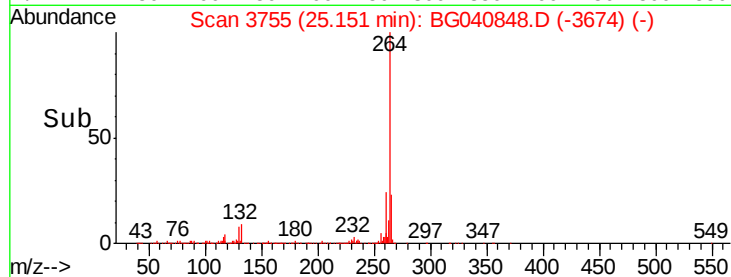
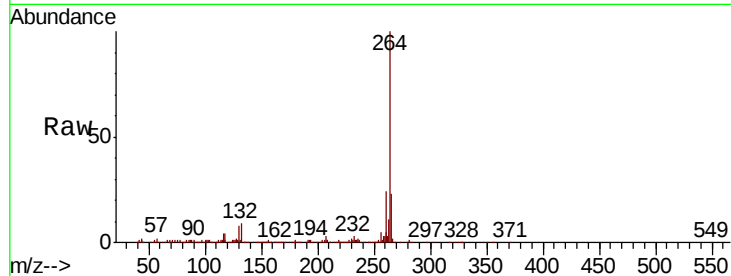
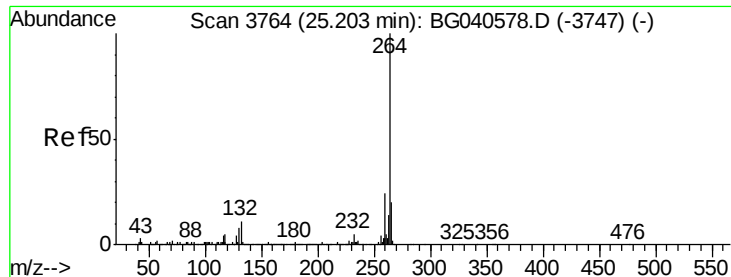


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040848.D

Acq: 10 May 2019 12:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 510278

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.8 16.6 25.0

