

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040790.D
 Acq On : 8 May 2019 15:09
 Operator : HP/JU
 Sample : PB119331TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 08 17:51:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 08 17:46:31 2019
 Response via : Initial Calibration

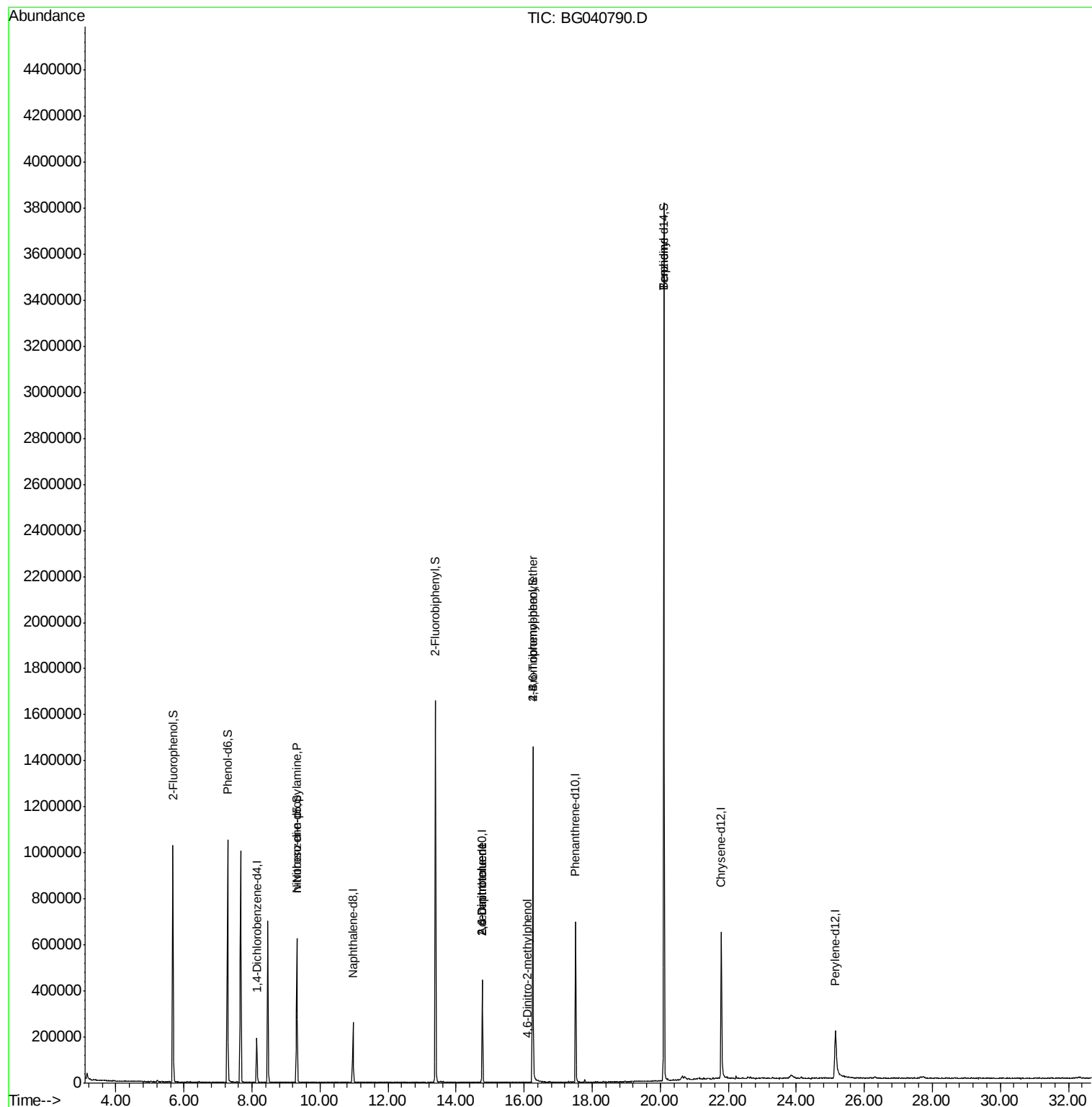
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	48435	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	196054	20.00	ng	0.00
39) Acenaphthene-d10	14.77	164	148054	20.00	ng	0.00
64) Phenanthrene-d10	17.51	188	430003	20.00	ng	0.00
76) Chrysene-d12	21.79	240	428694	20.00	ng	0.00
87) Perylene-d12	25.16	264	343321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	376511	137.03	ng	0.00
7) Phenol-d6	7.28	99	543779	128.53	ng	0.00
23) Nitrobenzene-d5	9.32	82	373576	88.04	ng	0.00
42) 2,4,6-Tribromophenol	16.25	330	275905	135.58	ng	0.00
45) 2-Fluorobiphenyl	13.39	172	840334	81.97	ng	0.00
79) Terphenyl-d14	20.11	244	1768768	91.41	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	971	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	9.32	70	55354	14.535 ng	#	76
51) 2,6-Dinitrotoluene	14.77	165	18550	7.673 ng	#	17
57) 2,4-Dinitrotoluene	14.77	165	18550	5.647 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.09	198	61	7.126 ng	#	35
67) 4-Bromophenyl-phenylether	16.25	248	19550	3.649 ng	#	1
77) Benzydine	20.11	184	30194	2.572 ng		96

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

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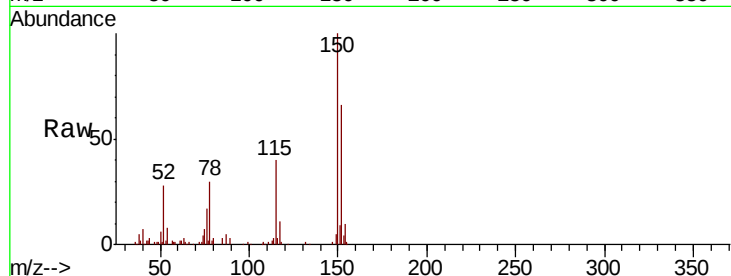


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. 0.00 min
Lab File: BG040790.D
Acq: 8 May 2019 15:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	124.4	186.6
115	60.9	50.6	76.0

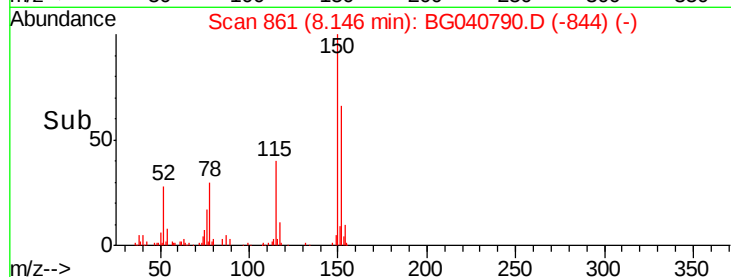
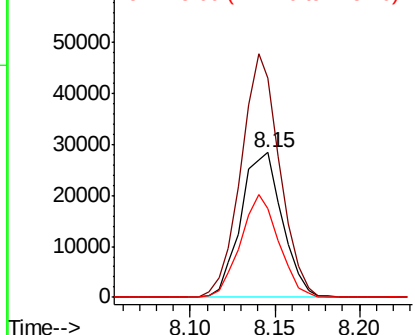


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

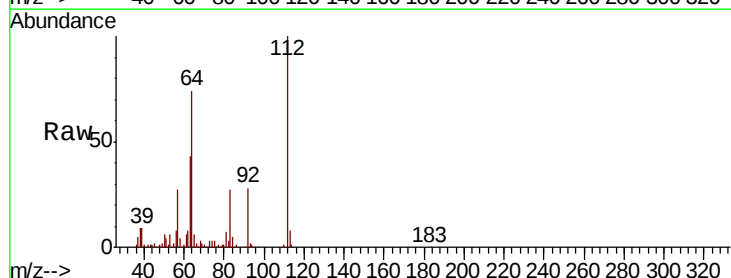
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.029 ng
RT: 5.67 min Scan# 440
Delta R.T. 0.00 min
Lab File: BG040790.D
Acq: 8 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	59.8	89.8
63	42.6	37.4	56.0

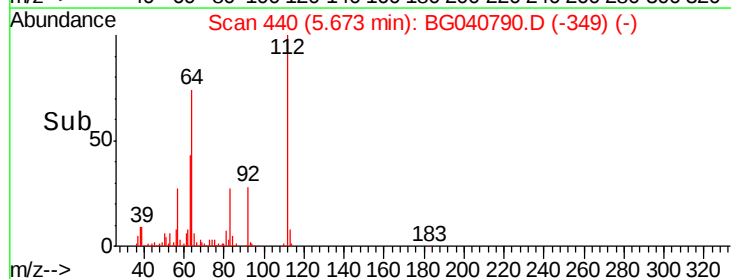
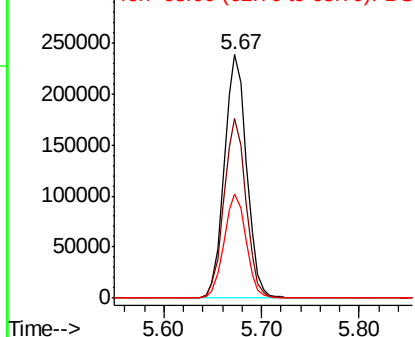


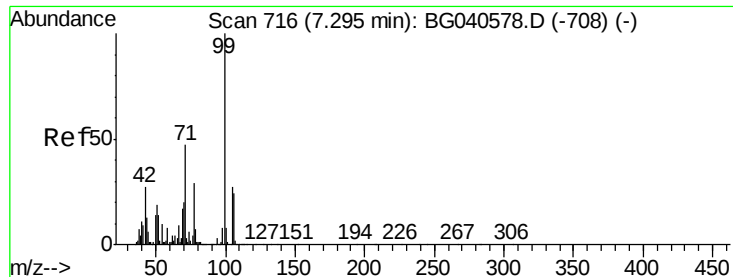
Abundance

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: 128.534 ng

RT: 7.28 min Scan# 714

Delta R.T. 0.00 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

Instrument :

BNA_G

ClientSampled :

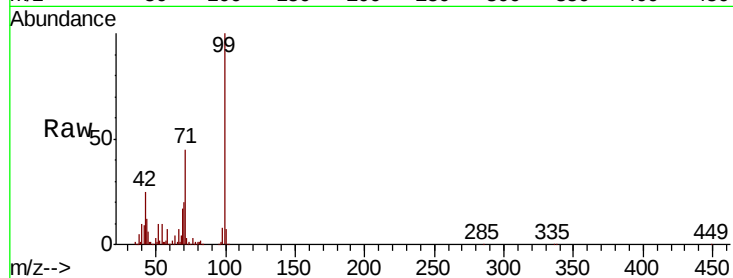
Tot Ion: 99 Resp: 543779

Ion Ratio Lower Upper

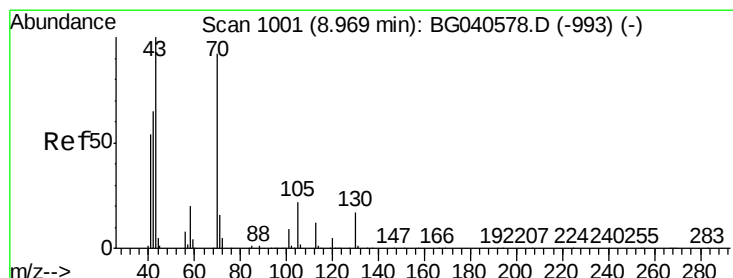
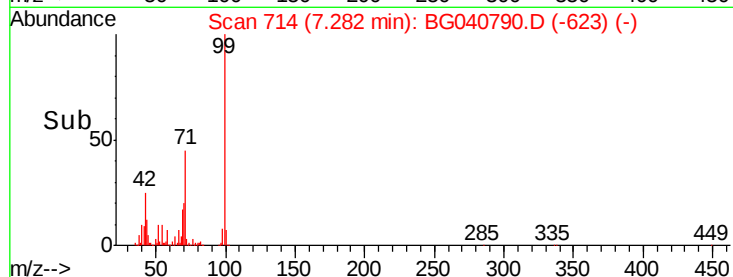
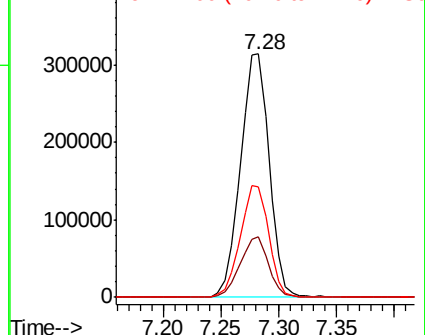
99 100

42 24.9 19.8 29.8

71 45.5 36.7 55.1



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: 14.535 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.37 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

Tgt Ion: 70 Resp: 55354

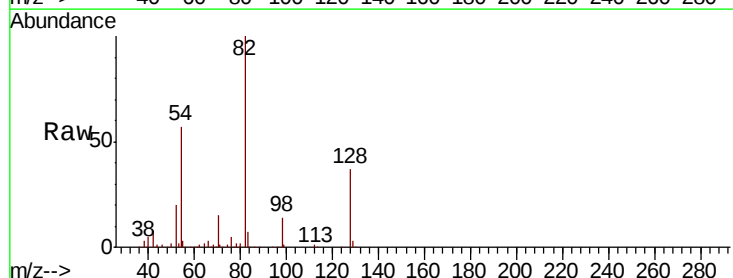
Ion Ratio Lower Upper

70 100

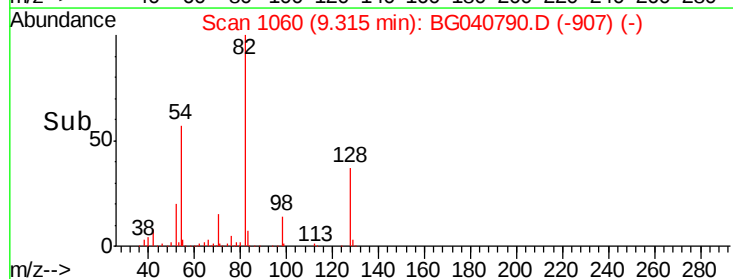
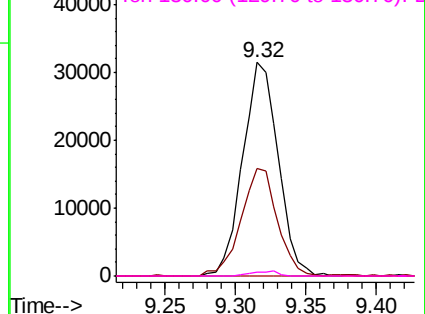
42 50.6 52.4 78.6#

101 0.0 8.0 12.0#

130 1.6 15.0 22.4#



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

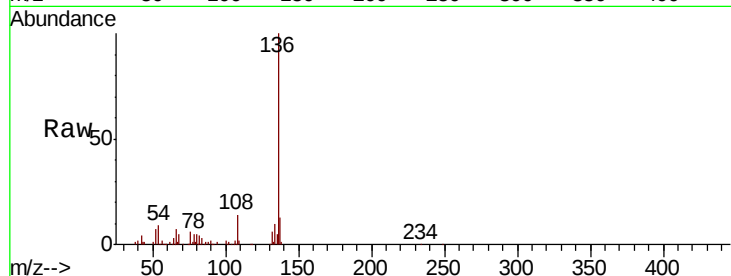




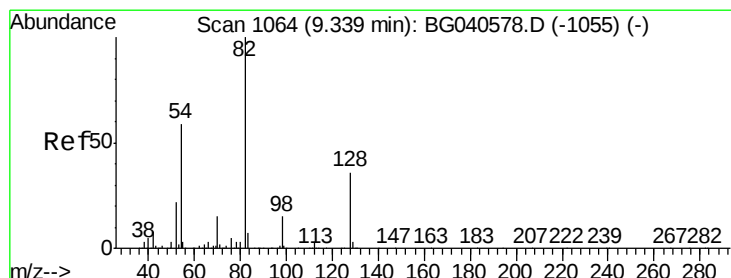
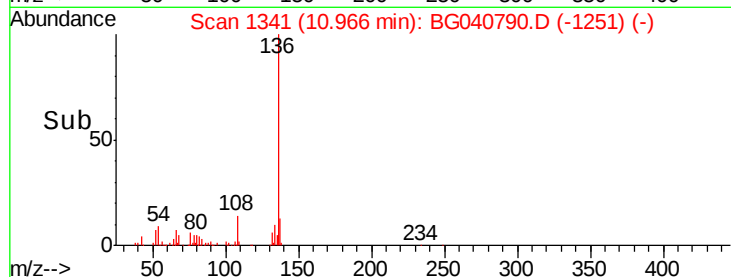
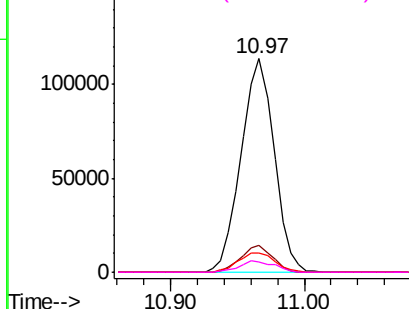
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BG040790.D
Acq: 8 May 2019 15:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	196054
Ion	Ratio	Lower Upper
136	100	
137	12.6	9.4 14.0
54	9.1	7.8 11.8
68	5.0	4.5 6.7

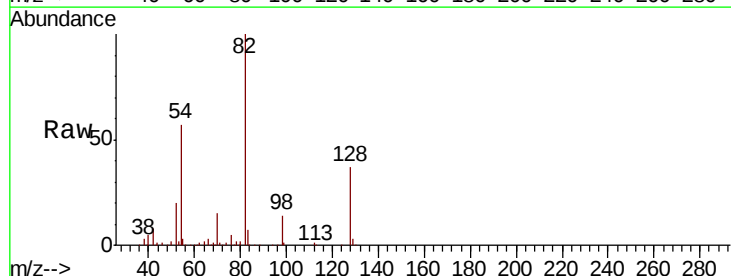


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

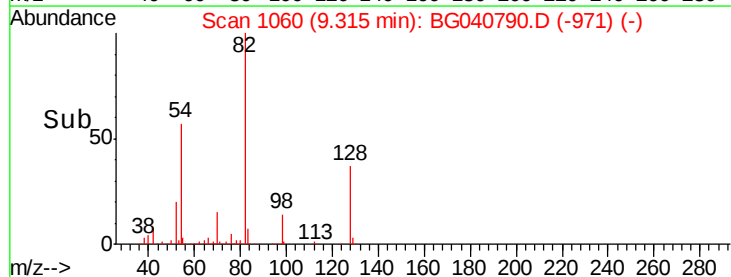
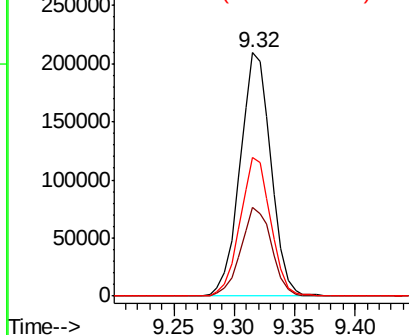


#23
Nitrobenzene-d5
Concen: 88.045 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG040790.D
Acq: 8 May 2019 15:09

Tgt Ion: 82	Resp:	373576
Ion	Ratio	Lower Upper
82	100	
128	36.6	30.7 46.1
54	57.1	45.0 67.4



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# 1989

Delta R.T. -0.00 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

Instrument :

BNA_G

ClientSampleId :

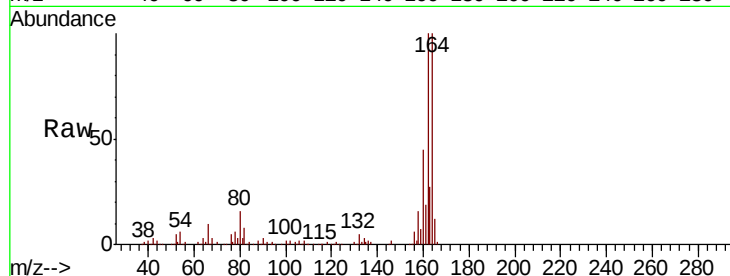
Tot Ion:164 Resp: 148054

Ion Ratio Lower Upper

164 100

162 100.0 82.6 124.0

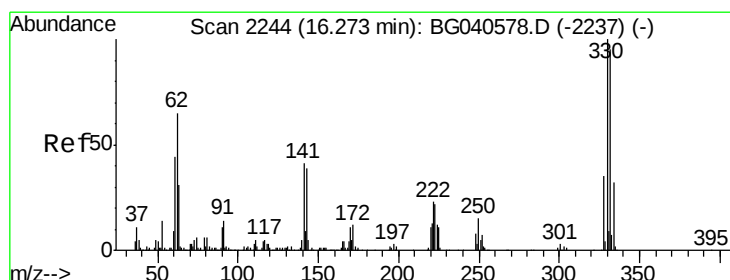
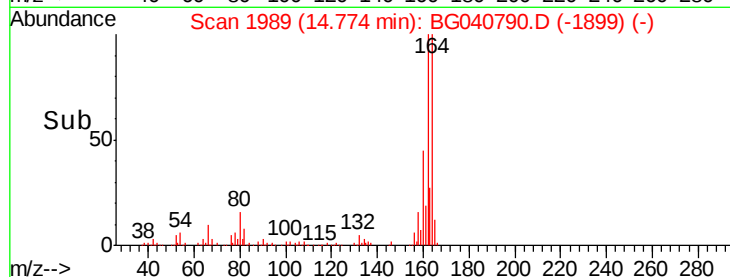
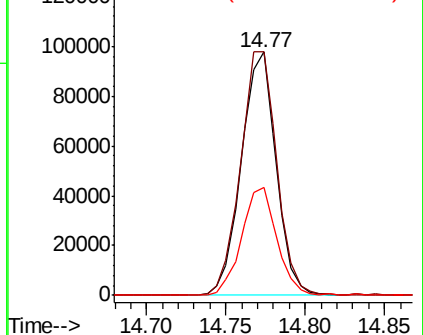
160 44.6 35.8 53.8



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: 135.577 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

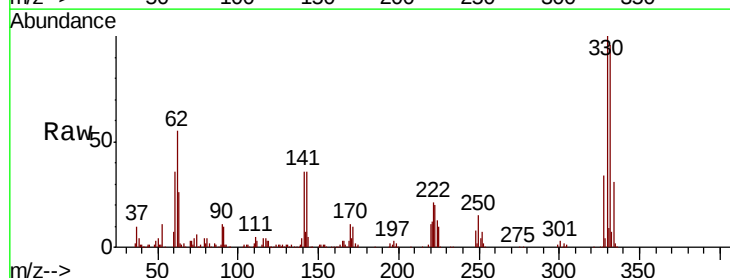
Tgt Ion:330 Resp: 275905

Ion Ratio Lower Upper

330 100

332 96.1 76.5 114.7

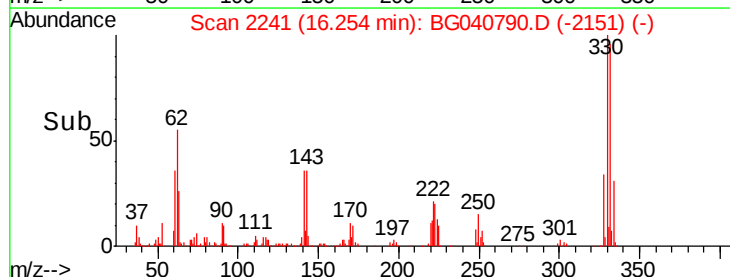
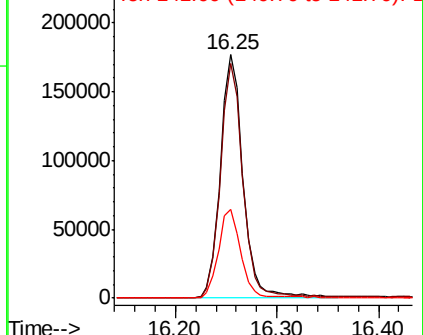
141 35.6 28.8 43.2



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

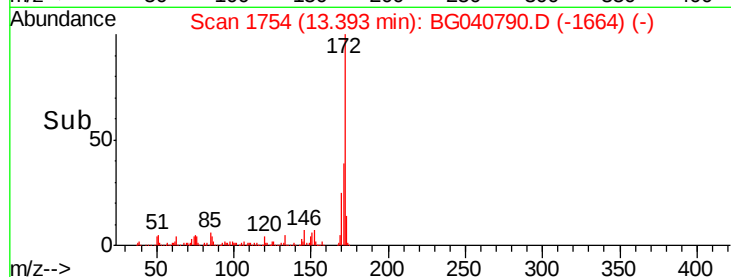
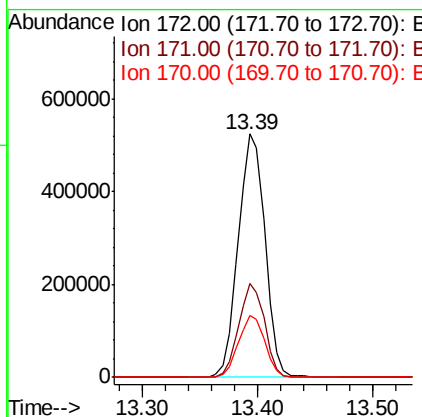
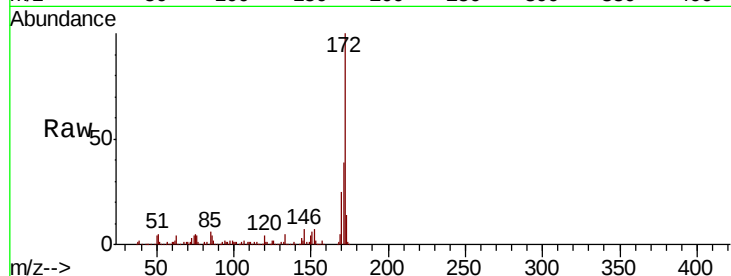




#45
 2-Fluorobiphenyl
 Concen: 81.971 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.00 min
 Lab File: BG040790.D
 Acq: 8 May 2019 15:09

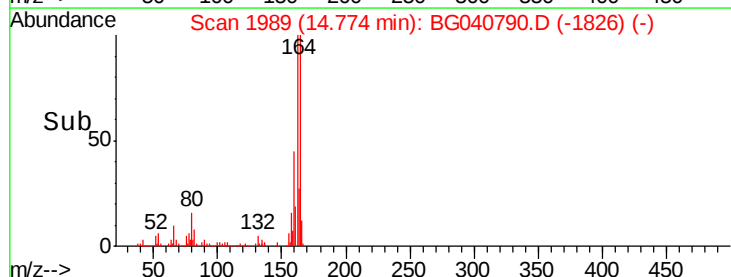
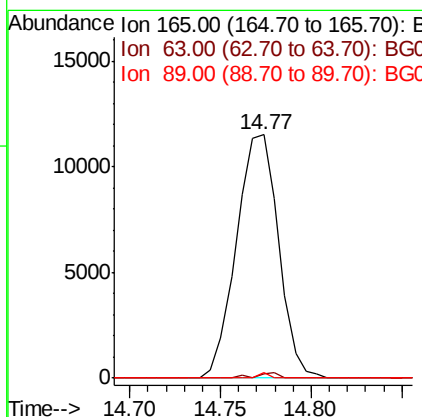
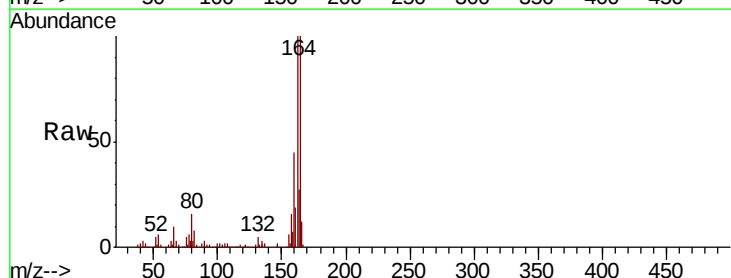
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.4	45.6
170	25.5	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 7.673 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.43 min
 Lab File: BG040790.D
 Acq: 8 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	58.2	87.4#
89	2.1	54.6	82.0#

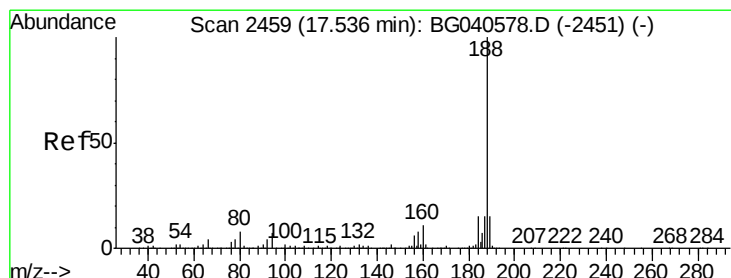
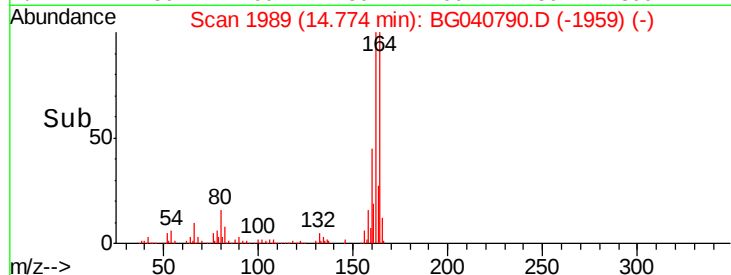
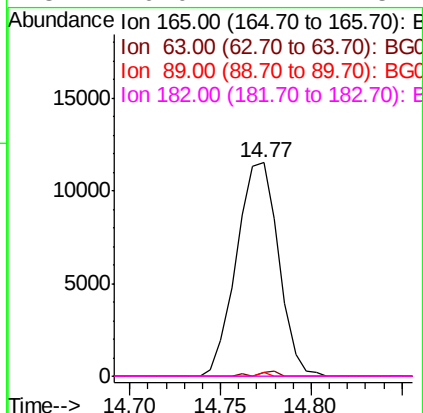
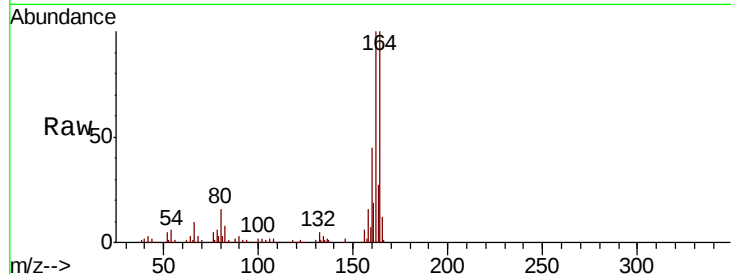




#57
 2,4-Dinitrotoluene
 Concen: 5.647 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.36 min
 Lab File: BG040790.D
 Acq: 8 May 2019 15:09

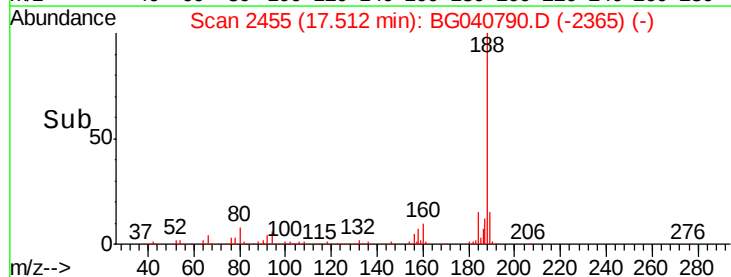
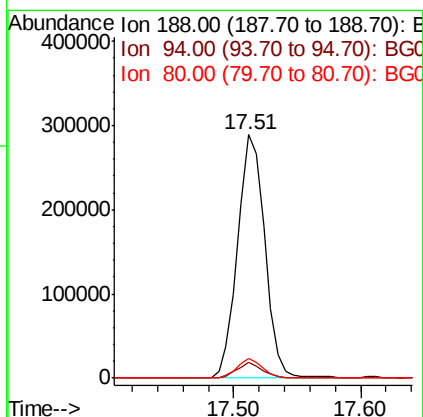
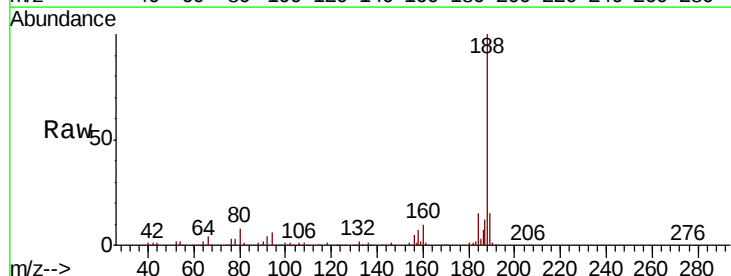
Instrument :
 BNA_G
 ClientSampleId :

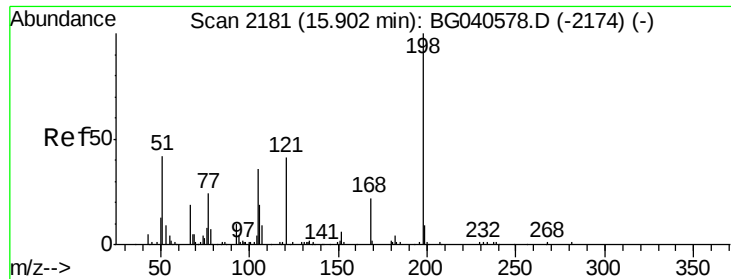
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.2	64.8#
89	2.1	64.1	96.1#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.00 min
 Lab File: BG040790.D
 Acq: 8 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.0	7.6
80	7.8	6.5	9.7





#65

4,6-Dinitro-2-methylphenol

Concen: 7.126 ng

RT: 16.09 min Scan# 2213

Delta R.T. 0.20 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

Instrument :

BNA_G

ClientSampleId :

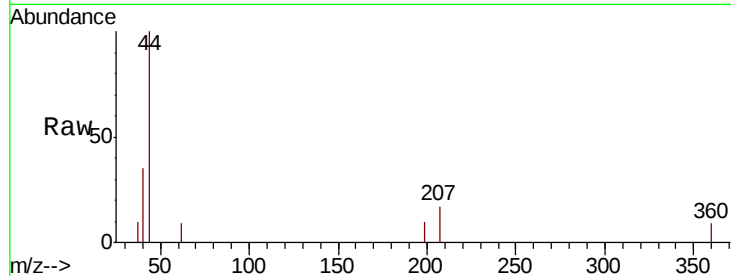
Tot Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 21.0 61.0#

105 0.0 19.3 59.3#

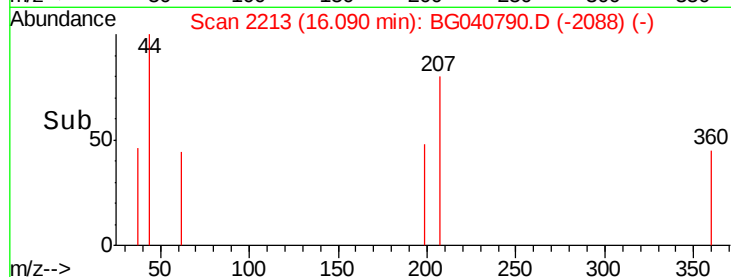


Abundance Ion 198.00 (197.70 to 198.70): E

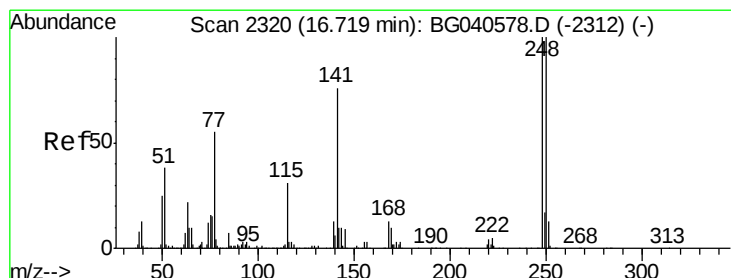
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

16.09



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.649 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.44 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

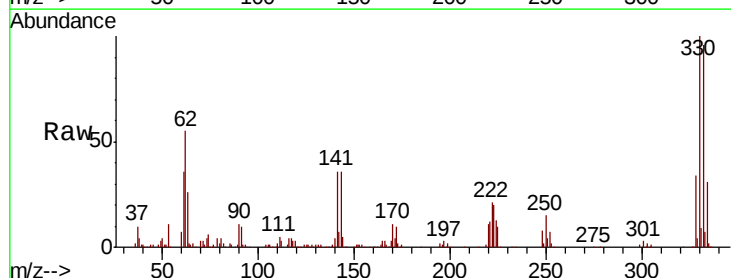
Tgt Ion:248 Resp: 19550

Ion Ratio Lower Upper

248 100

250 187.6 79.4 119.0#

141 448.9 56.1 84.1#

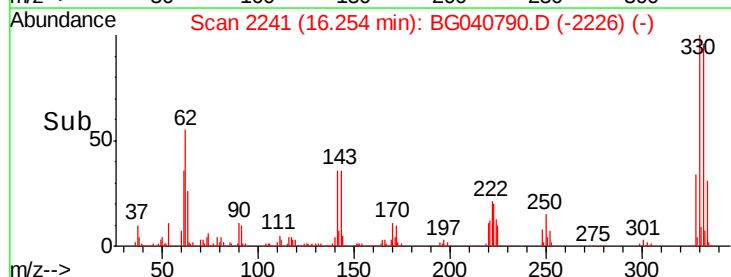


Abundance Ion 248.00 (247.70 to 248.70): E

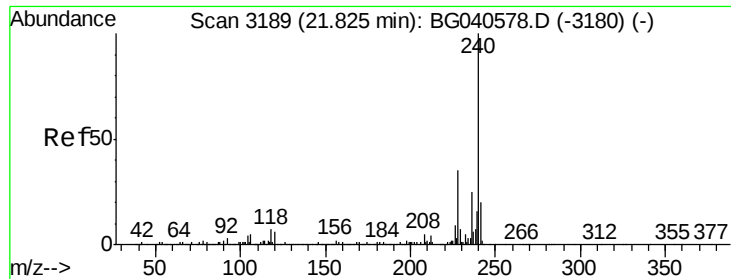
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.25



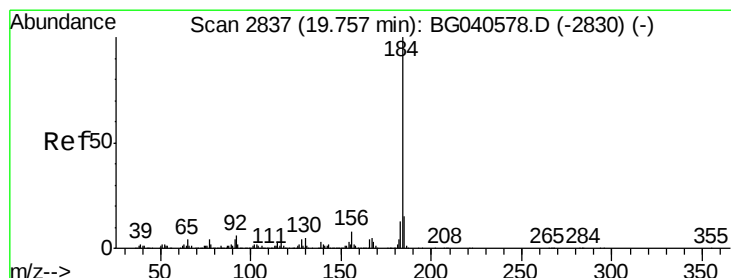
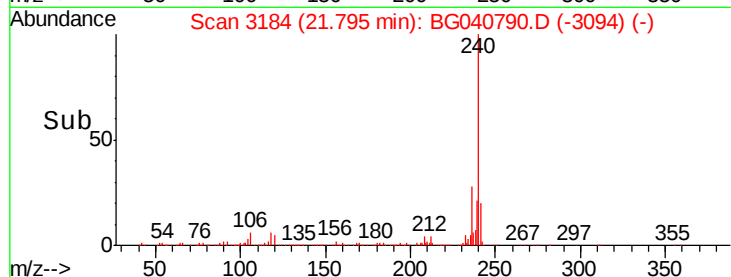
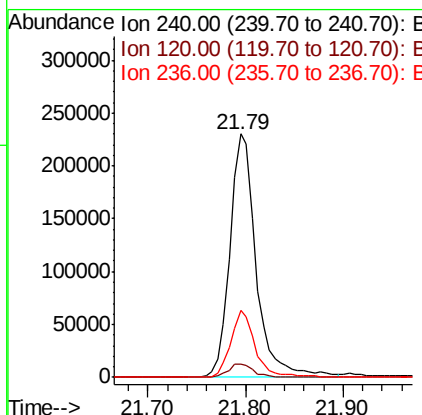
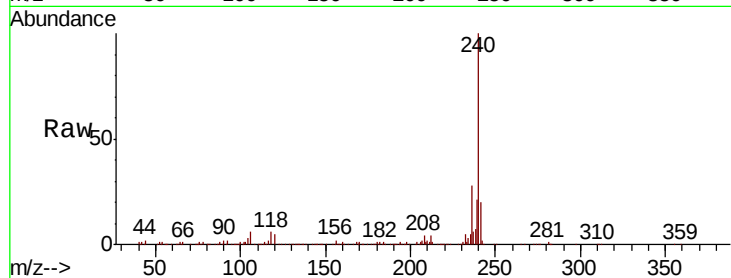
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.00 min
Lab File: BG040790.D
Acq: 8 May 2019 15:09

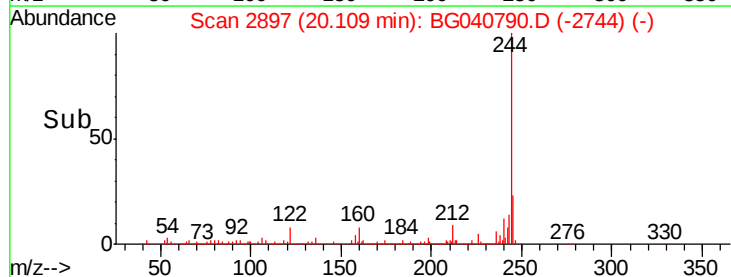
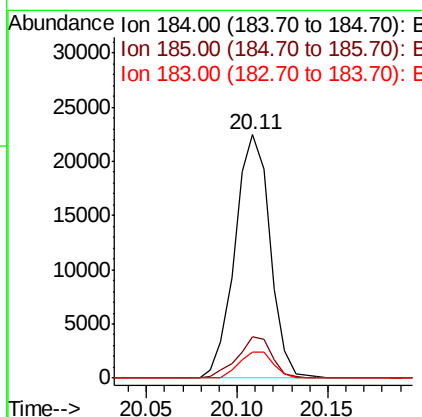
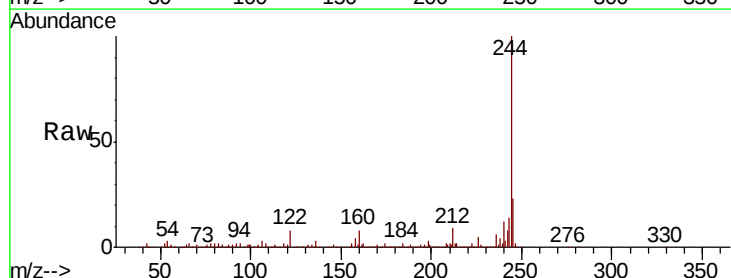
Instrument :
BNA_G
ClientSampleId :

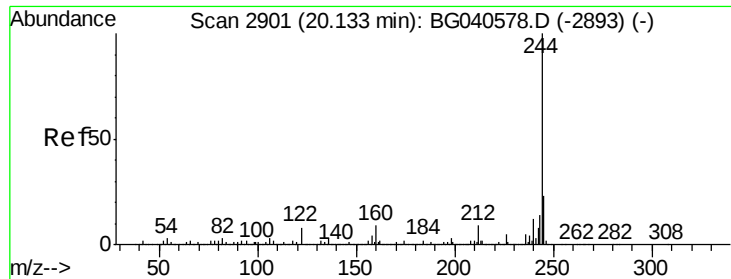
Tot Ion:240 Resp: 428694
Ion Ratio Lower Upper
240 100
120 5.4 4.5 6.7
236 27.6 21.2 31.8



#77
Benzidine
Concen: 2.572 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.37 min
Lab File: BG040790.D
Acq: 8 May 2019 15:09

Tgt Ion:184 Resp: 30194
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.2
183 10.4 9.4 14.0





#79

Terphenyl-d14

Concen: 91.407 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

Instrument :

BNA_G

ClientSampleId :

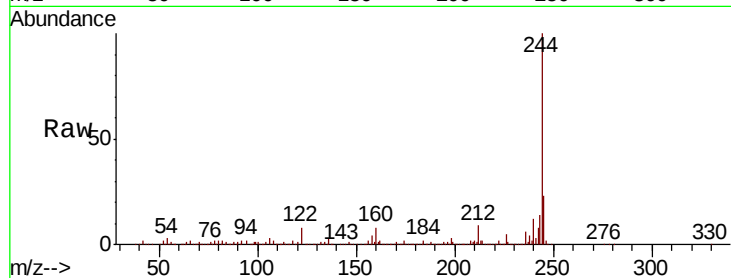
Tot Ion:244 Resp: 1768768

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.0

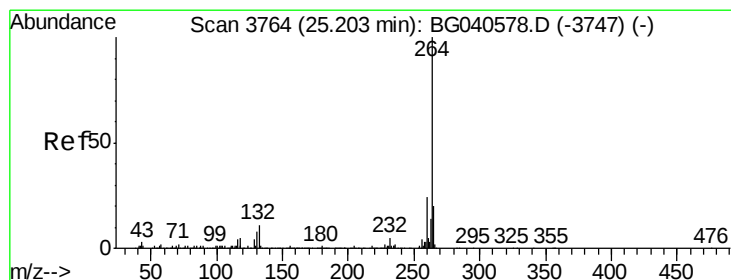
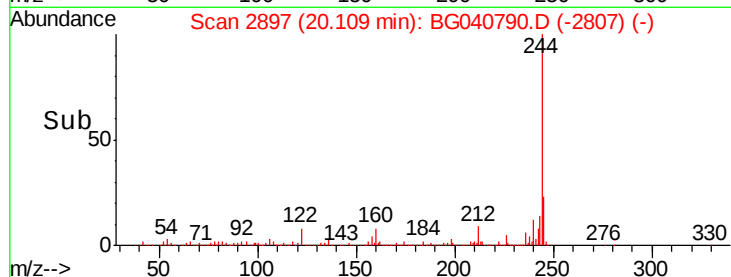
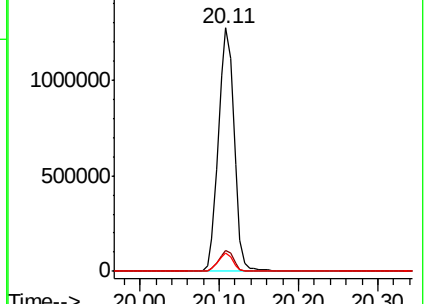
122 7.6 5.8 8.8



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: 25.16 min Scan# 3756

Delta R.T. -0.00 min

Lab File: BG040790.D

Acq: 8 May 2019 15:09

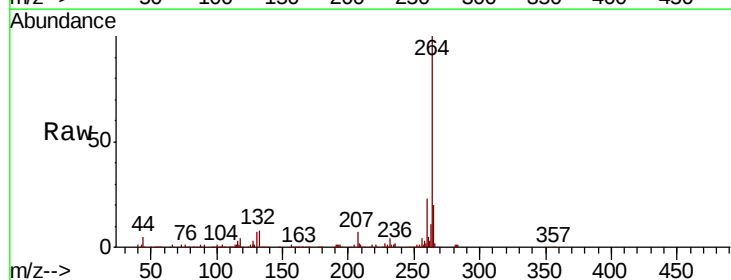
Tgt Ion:264 Resp: 343321

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 19.7 17.0 25.6



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

