

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112519\
 Data File : BG043776.D
 Acq On : 25 Nov 2019 19:31
 Operator : JU
 Sample : K5948-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BSW-1-0-12

Quant Time: Nov 26 00:57:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

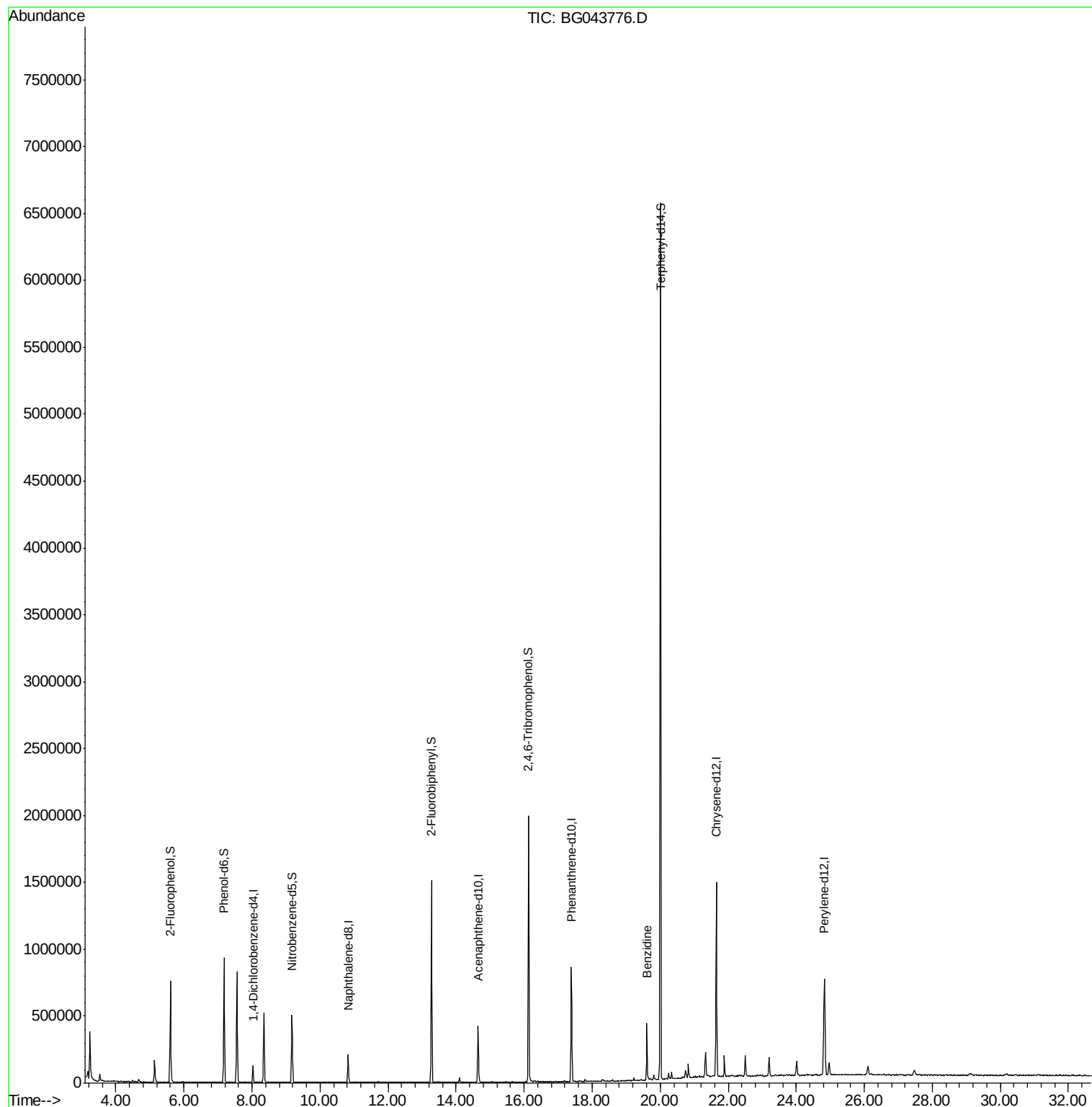
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	37741	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	180236	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	154822	20.00	ng	-0.01
64) Phenanthrene-d10	17.39	188	549752	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	815740	20.00	ng	-0.02
87) Perylene-d12	24.83	264	754144	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	382018	181.97	ng	0.00
7) Phenol-d6	7.18	99	566423	185.61	ng	0.00
23) Nitrobenzene-d5	9.18	82	308935	94.24	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	341542	182.90	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	808857	85.88	ng	-0.01
79) Terphenyl-d14	20.01	244	2768673	76.69	ng	0.00
Target Compounds						
77) Benzidine	19.61	184	250023	10.492	ng	Qvalue 99

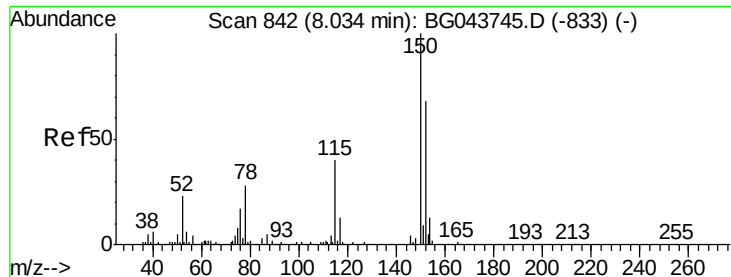
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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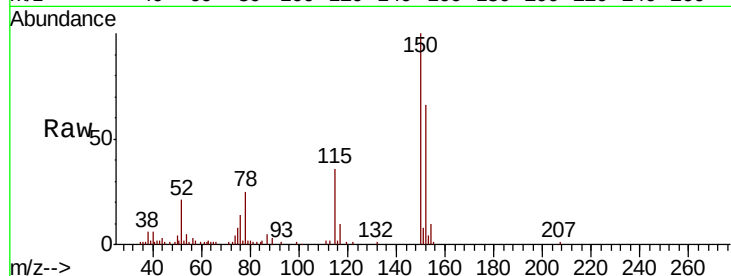


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG043776.D
Acq: 25 Nov 2019 19:31

Instrument :
BNA_G
ClientSampleId :
BSW-1-0-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	117.8	176.8
115	53.6	47.0	70.4

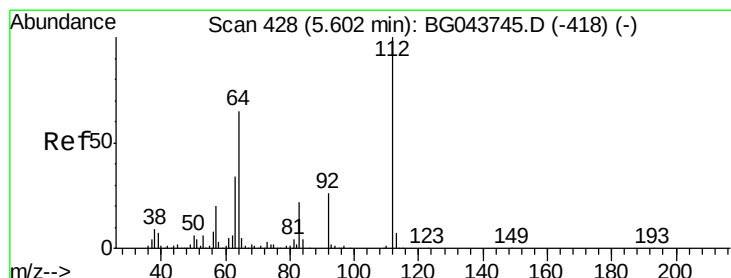
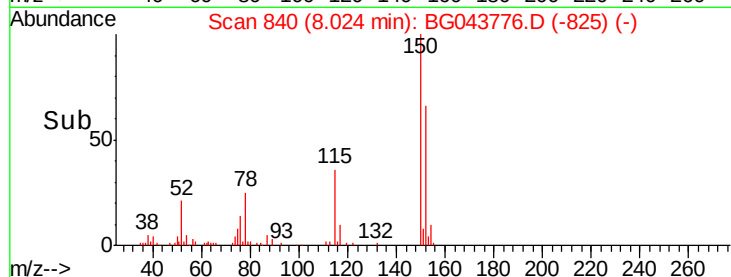
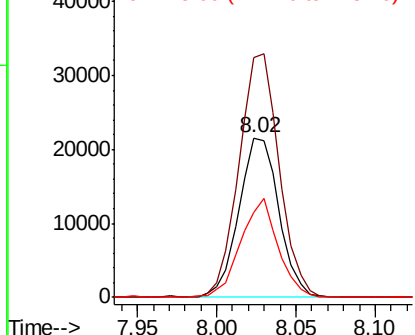


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

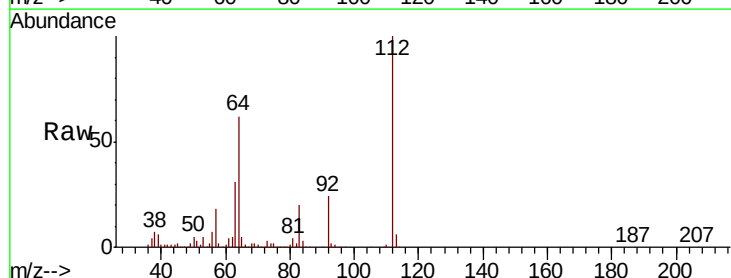
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 181.973 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043776.D
Acq: 25 Nov 2019 19:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	51.7	77.5
63	31.3	26.8	40.2

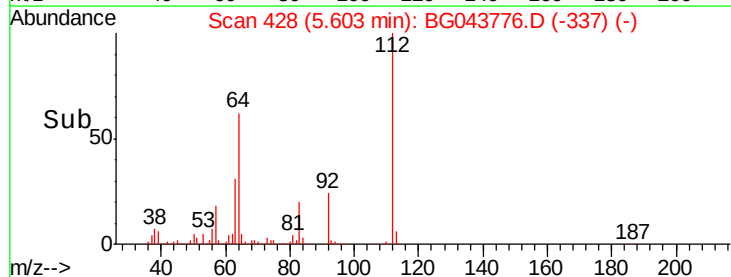
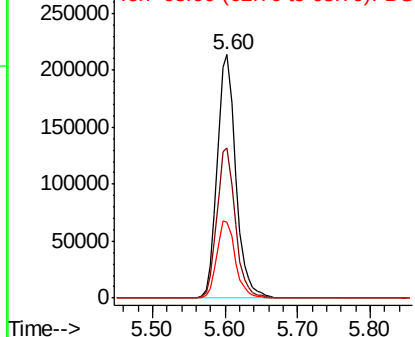


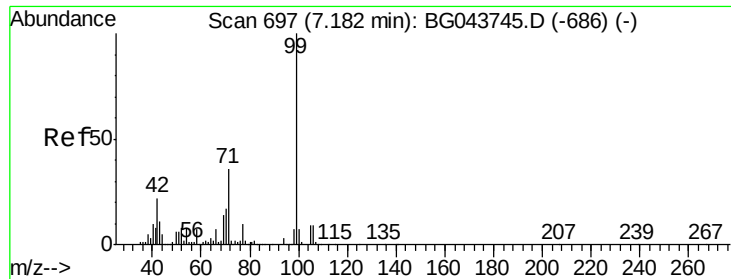
Abundance

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: 185.609 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

Instrument :

BNA_G

ClientSampleId :

BSW-1-0-12

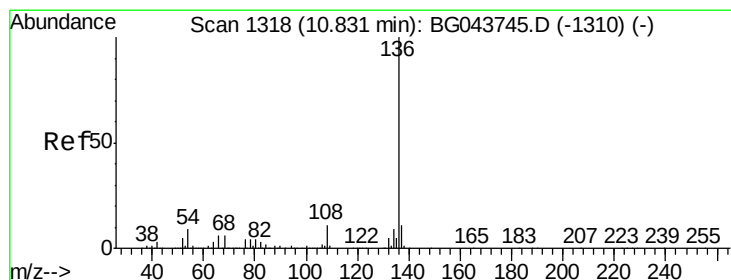
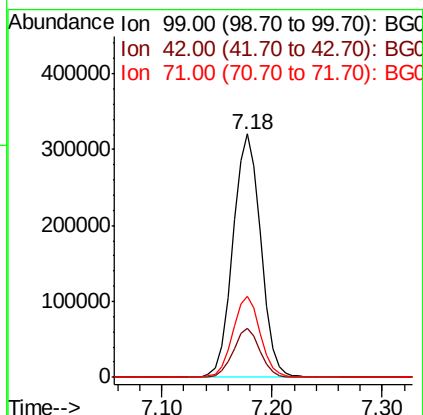
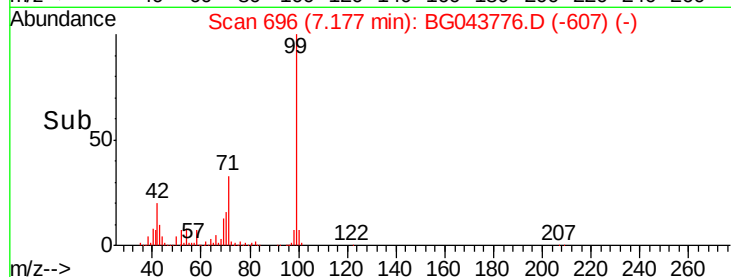
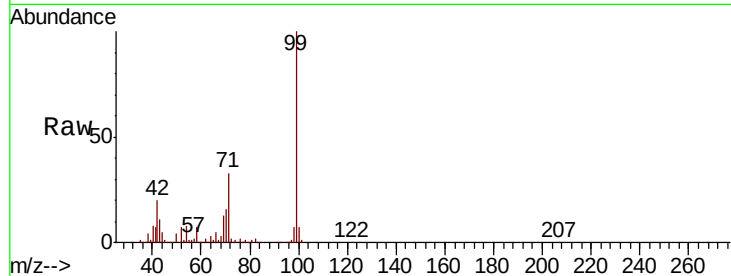
Tot Ion: 99 Resp: 566423

Ion Ratio Lower Upper

99 100

42 20.2 17.4 26.0

71 33.5 29.5 44.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

Tgt Ion: 136 Resp: 180236

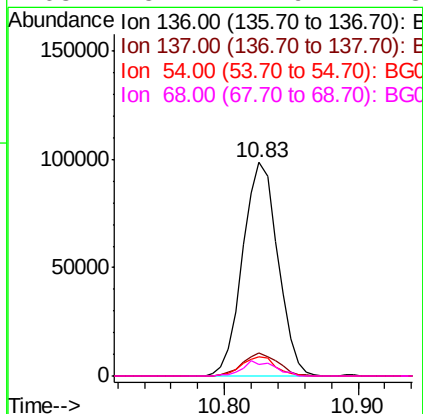
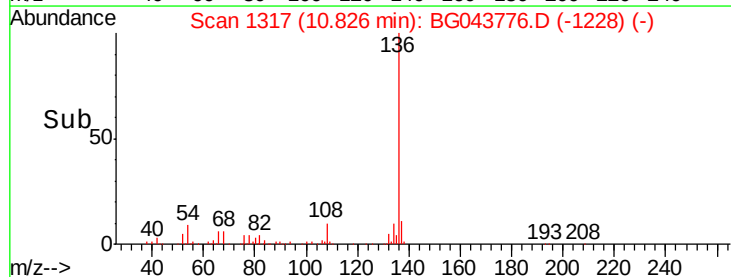
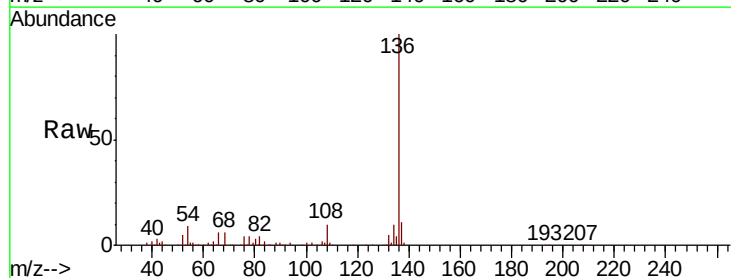
Ion Ratio Lower Upper

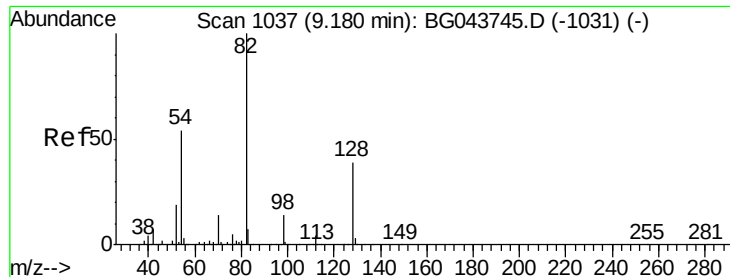
136 100

137 10.9 8.8 13.2

54 8.7 7.5 11.3

68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 94.243 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

Instrument :

BNA_G

ClientSampleId :

BSW-1-0-12

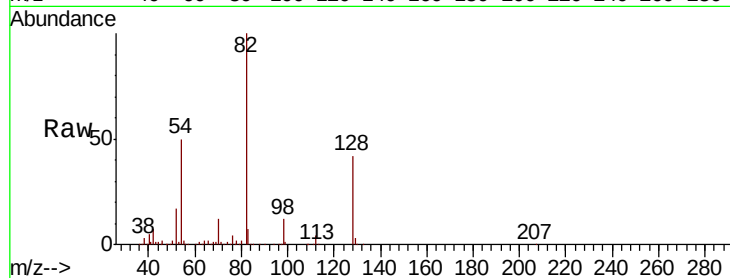
Tot Ion: 82 Resp: 308935

Ion Ratio Lower Upper

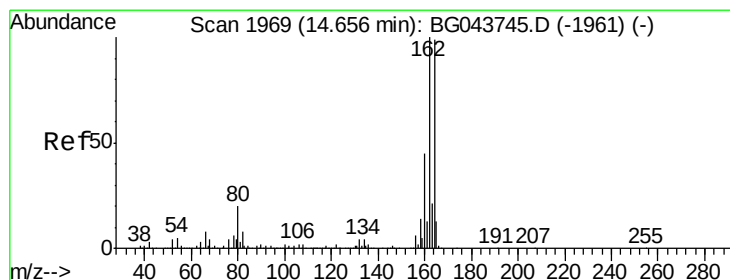
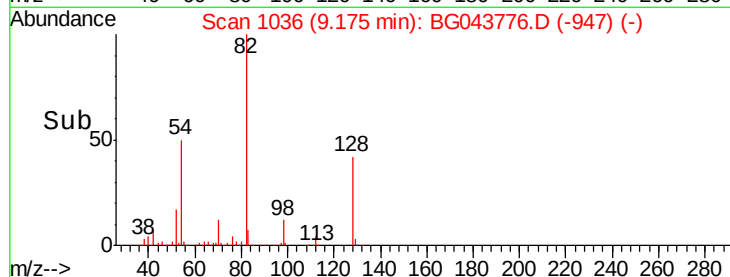
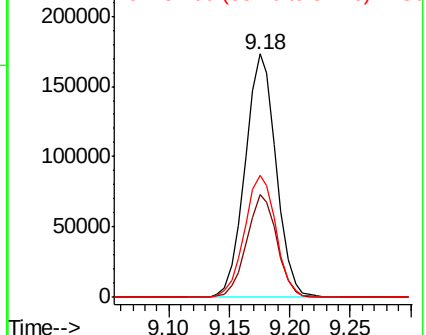
82 100

128 42.2 31.3 46.9

54 50.0 42.7 64.1



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: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

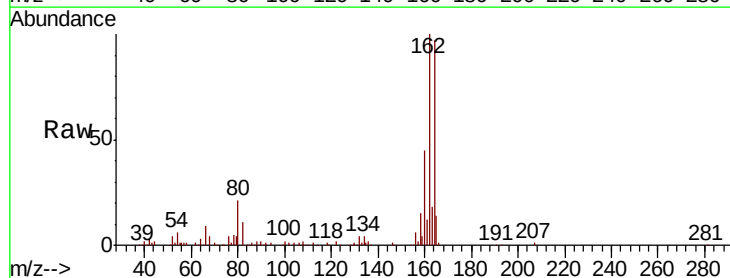
Tgt Ion:164 Resp: 154822

Ion Ratio Lower Upper

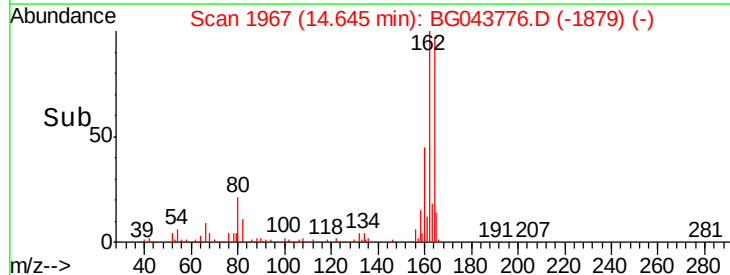
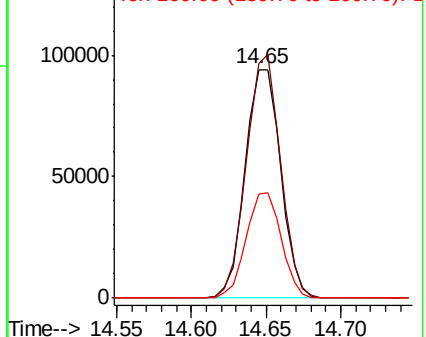
164 100

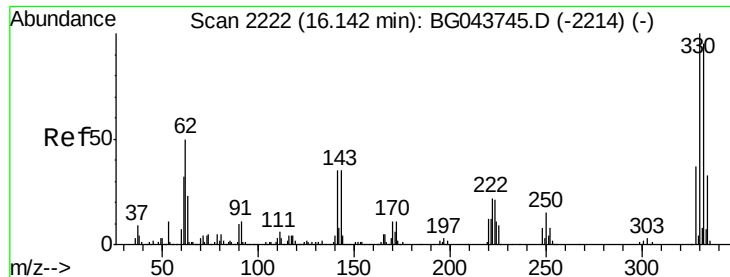
162 102.7 80.6 121.0

160 45.8 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

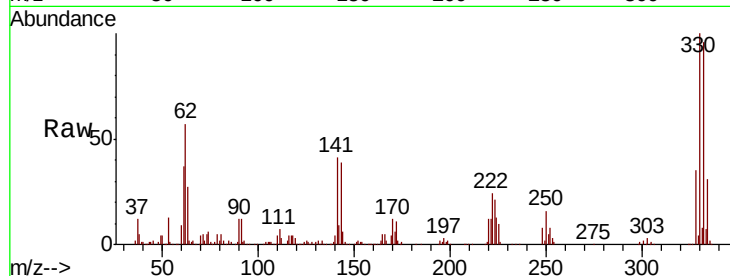




#42
 2,4,6-Tribromophenol
 Concen: 182.898 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG043776.D
 Acq: 25 Nov 2019 19:31

Instrument :
 BNA_G
 ClientSampleId :
 BSW-1-0-12

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	40.5	31.4	47.2

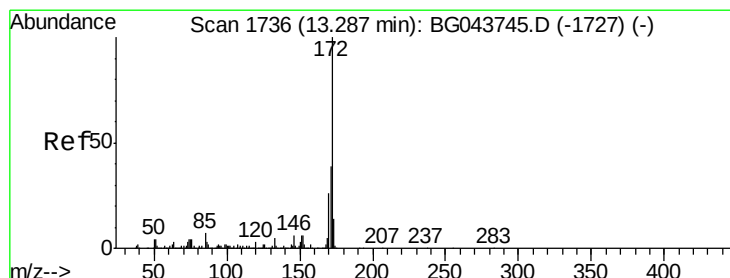
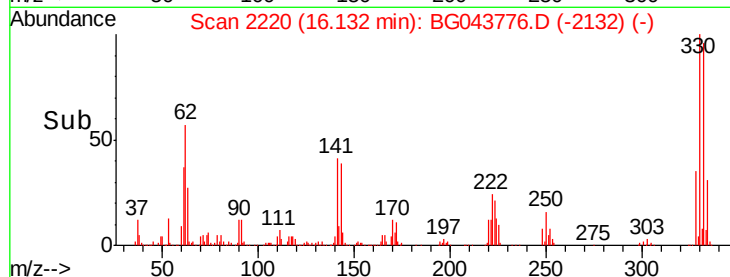
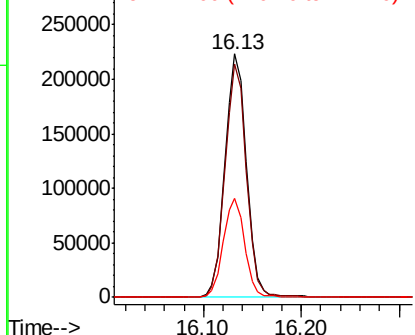


Abundance

Ion 329.80 (329.50 to 330.50): E

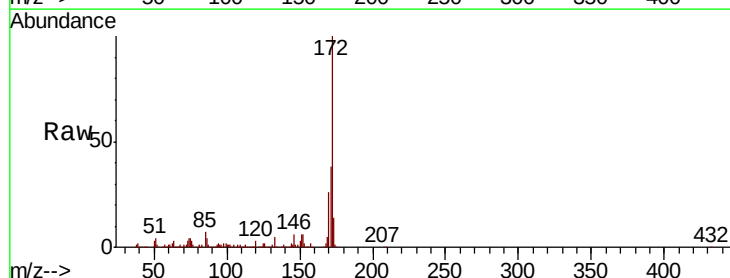
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.879 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG043776.D
 Acq: 25 Nov 2019 19:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.6
170	26.0	21.0	31.4

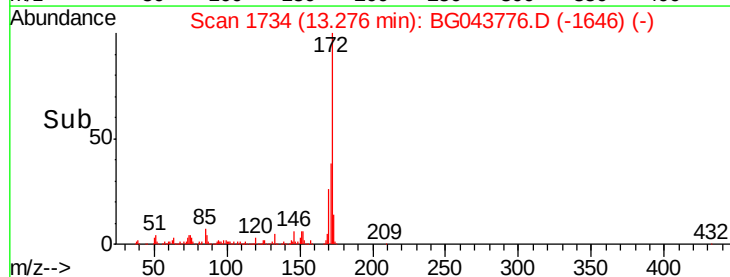
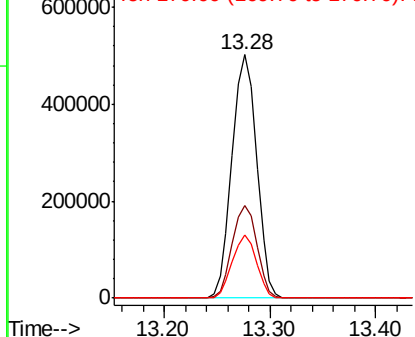


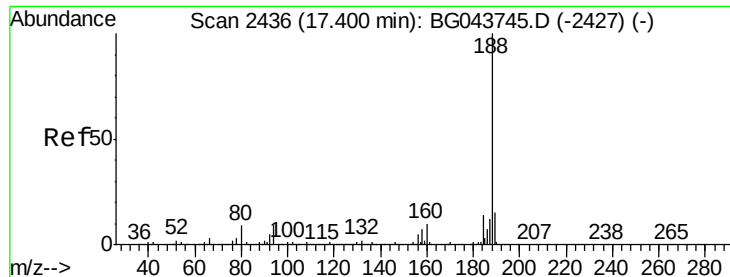
Abundance

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

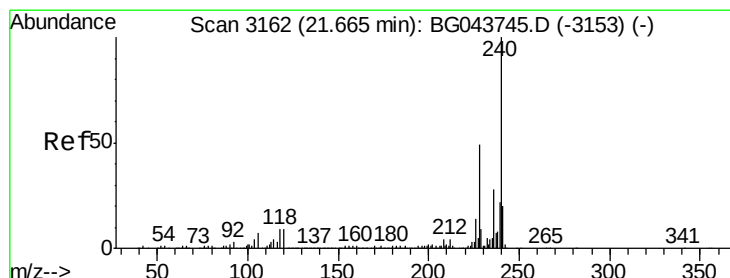
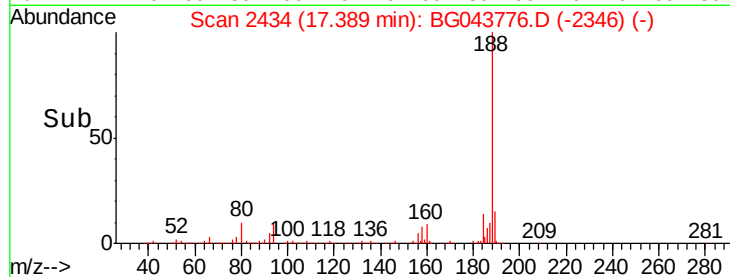
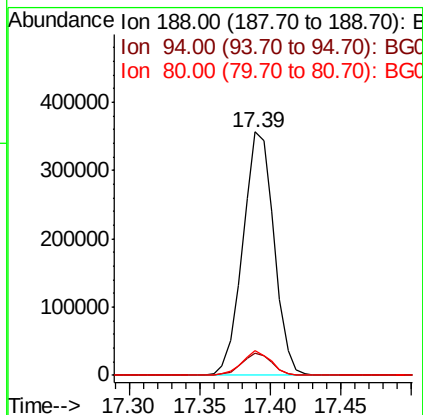
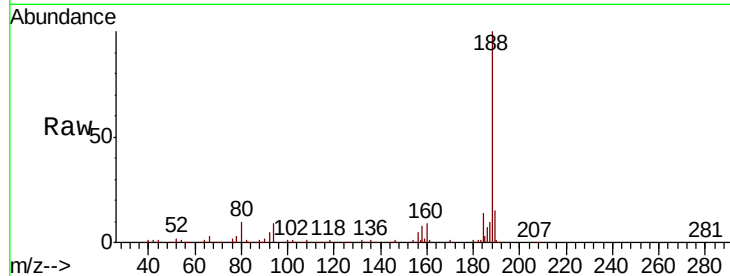




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BG043776.D
Acq: 25 Nov 2019 19:31

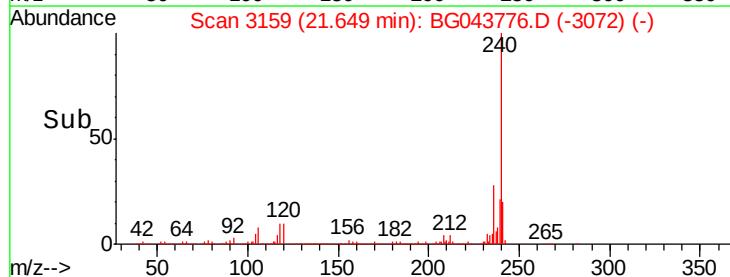
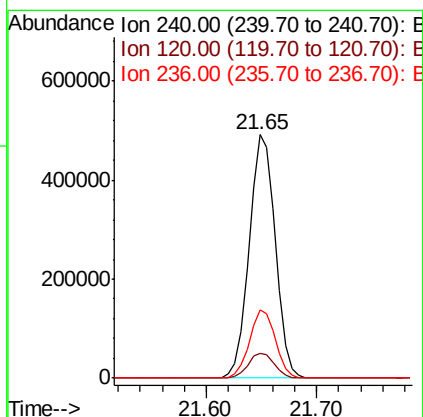
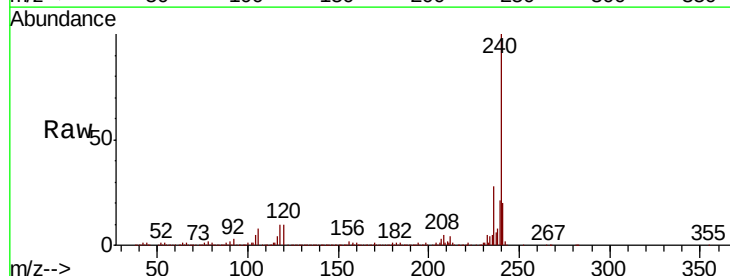
Instrument :
BNA_G
ClientSampleId :
BSW-1-0-12

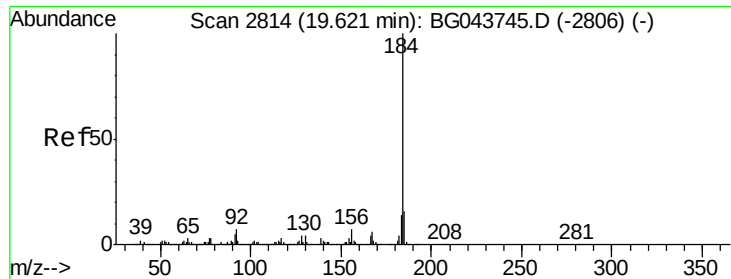
Tot Ion:188 Resp: 549752
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 9.9 7.5 11.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.02 min
Lab File: BG043776.D
Acq: 25 Nov 2019 19:31

Tgt Ion:240 Resp: 815740
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 28.1 22.6 34.0





#77

Benzidine

Concen: 10.492 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

Instrument :

BNA_G

ClientSampleId :

BSW-1-0-12

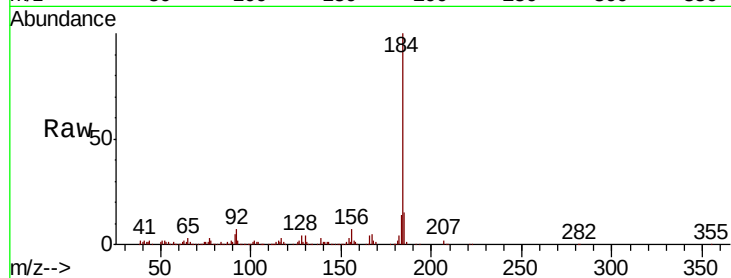
Tot Ion:184 Resp: 250023

Ion Ratio Lower Upper

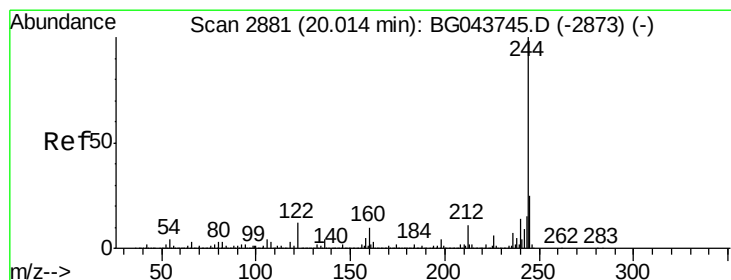
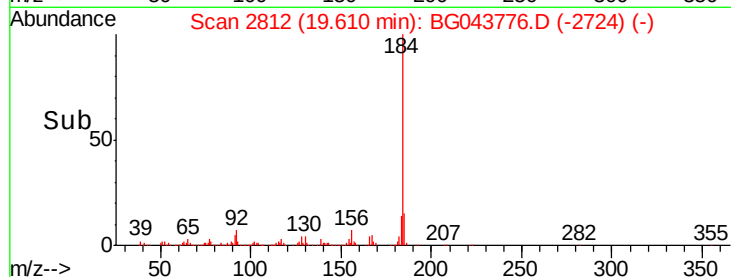
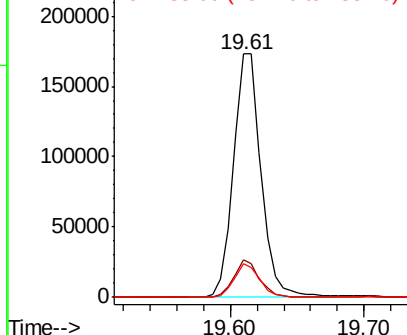
184 100

185 15.5 12.8 19.2

183 13.6 11.3 16.9



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: 76.693 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

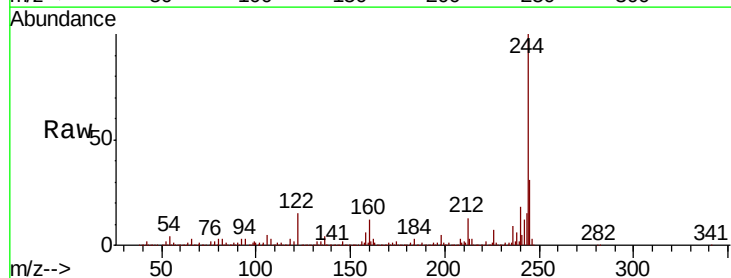
Tgt Ion:244 Resp: 2768673

Ion Ratio Lower Upper

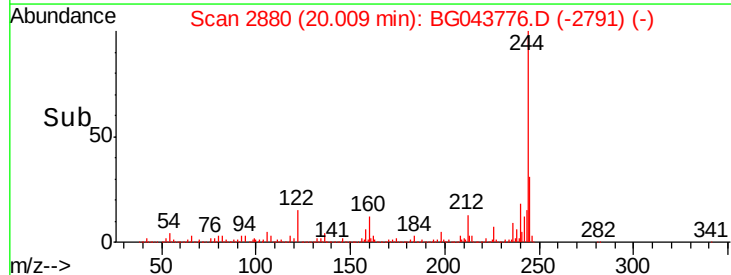
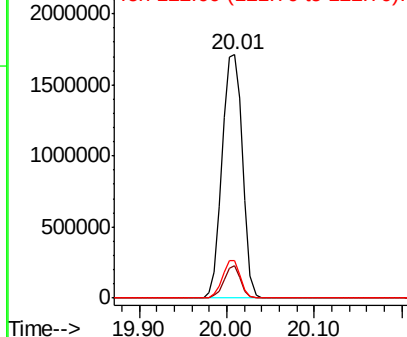
244 100

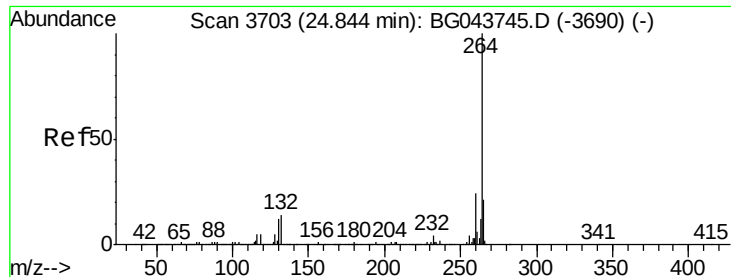
212 13.2 8.5 12.7#

122 15.2 9.5 14.3#



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: 24.83 min Scan# 3700

Delta R.T. -0.02 min

Lab File: BG043776.D

Acq: 25 Nov 2019 19:31

Instrument :

BNA_G

ClientSampleId :

BSW-1-0-12

Tot Ion: 264 Resp: 754144

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 21.9 17.0 25.6

