

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043918.D
 Acq On : 4 Jan 2020 12:14
 Operator : JU
 Sample : L1008-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-010220

Quant Time: Jan 06 05:41:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

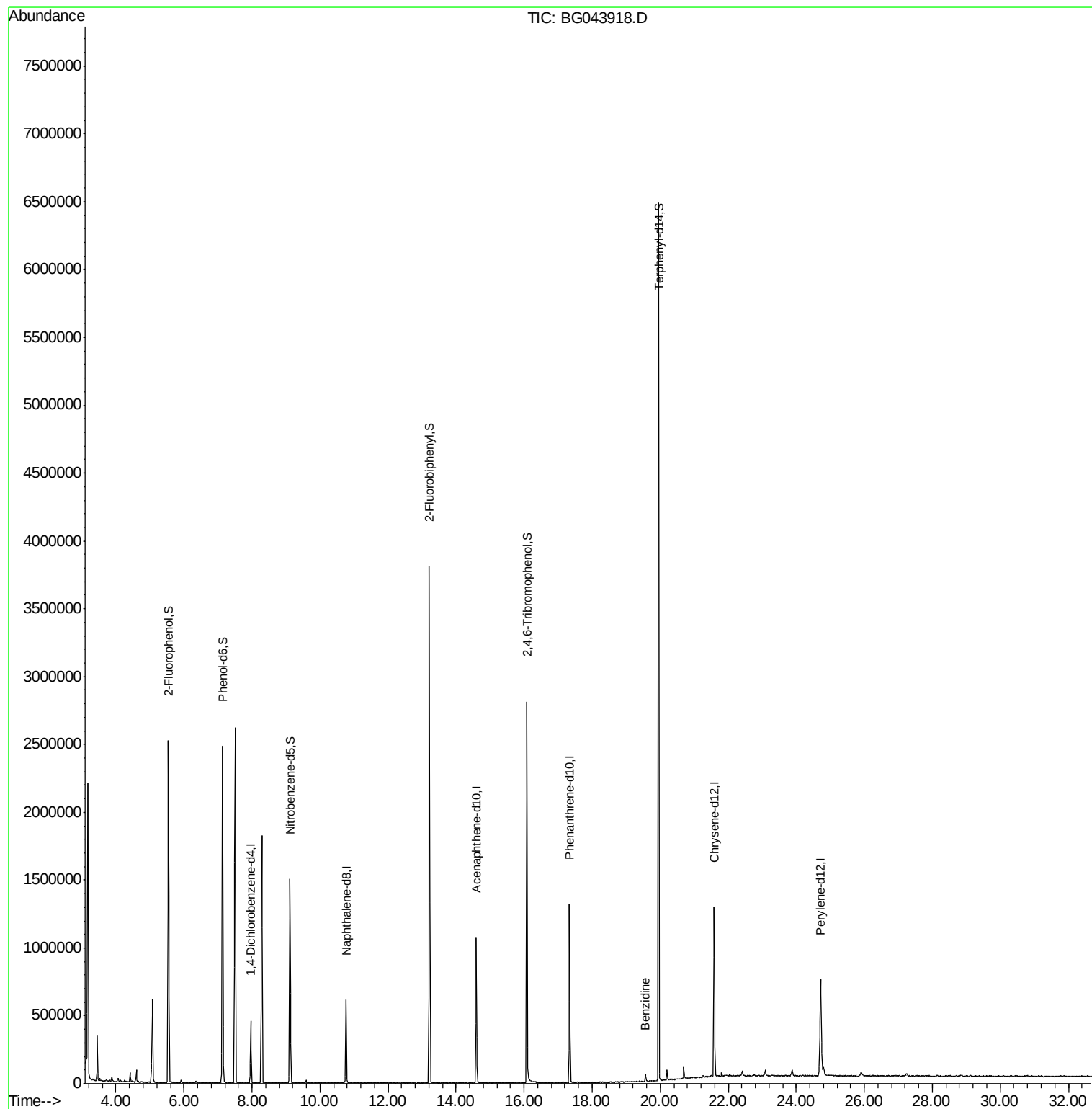
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	130457	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	559920	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	373786	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	803520	20.00	ng	0.00
76) Chrysene-d12	21.59	240	701228	20.00	ng	0.00
87) Perylene-d12	24.71	264	758565	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1114038	156.80	ng	0.00
7) Phenol-d6	7.13	99	1536474	154.71	ng	0.00
23) Nitrobenzene-d5	9.12	82	947750	90.55	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	498934	127.55	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1940842	94.07	ng	0.00
79) Terphenyl-d14	19.96	244	2705514	96.25	ng	0.00
Target Compounds						
77) Benzidine	19.57	184	35405	2.009	ng	Qvalue # 96

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

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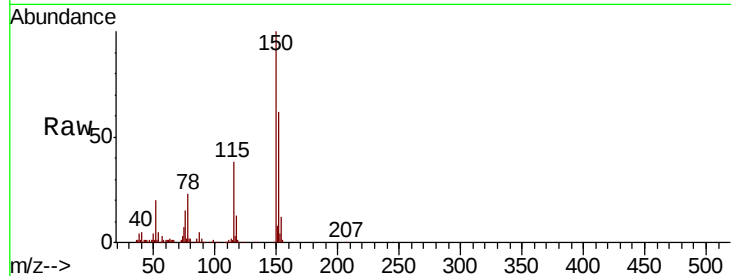


#1

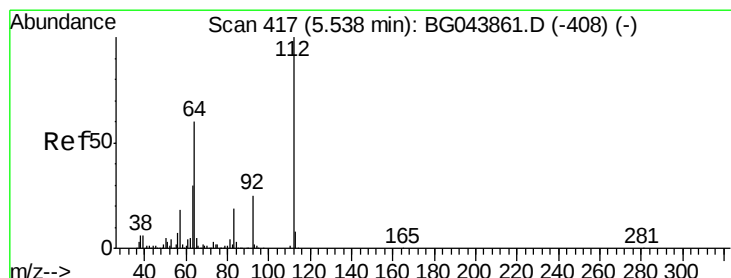
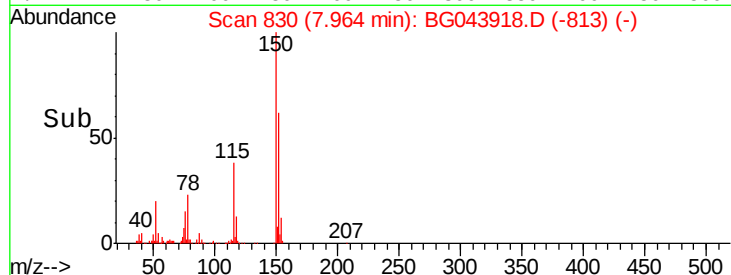
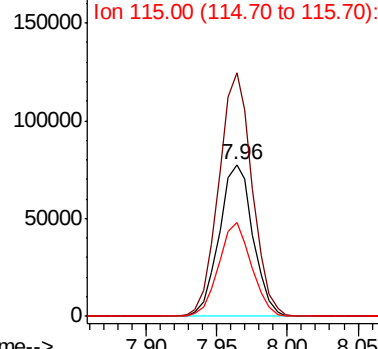
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Instrument :
BNA_G
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	127.0	190.4
115	61.5	47.8	71.8



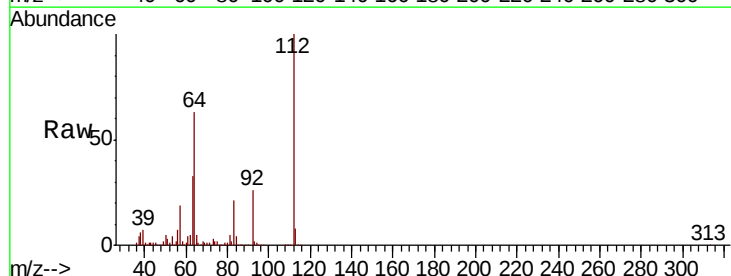
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



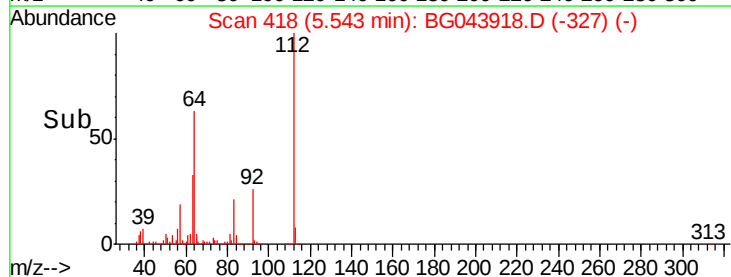
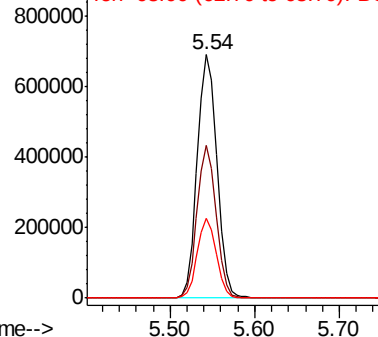
#5

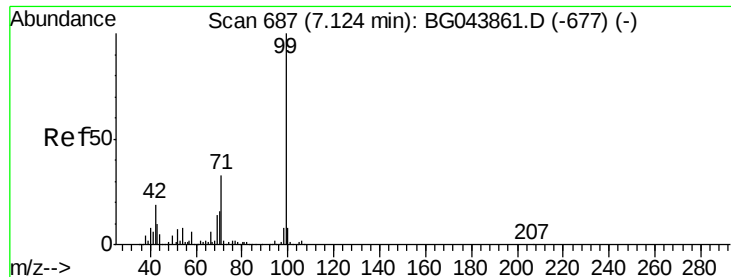
2-Fluorophenol
Concen: 156.796 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.8	71.6
63	32.6	24.3	36.5



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: 154.706 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Instrument :

BNA_G

ClientSampled :

CL-02-010220

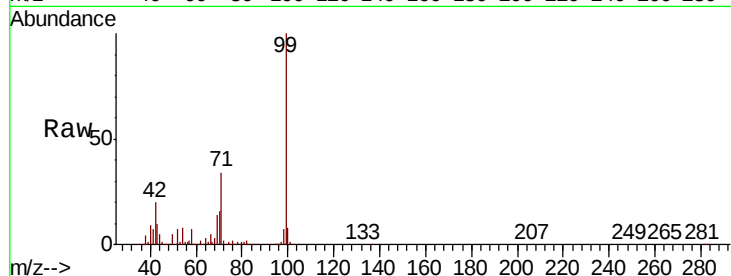
Tot Ion: 99 Resp: 1536474

Ion Ratio Lower Upper

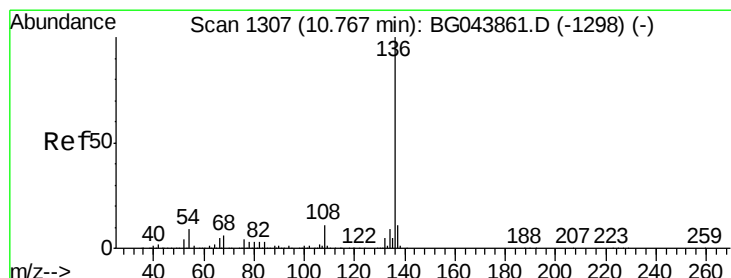
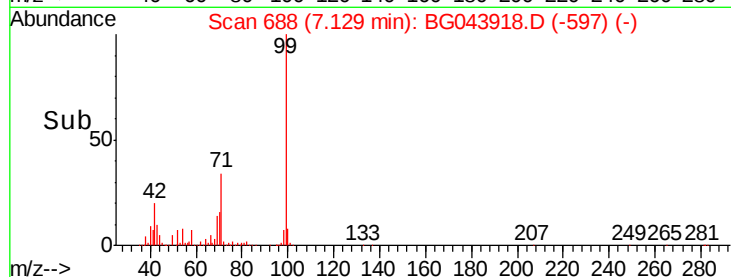
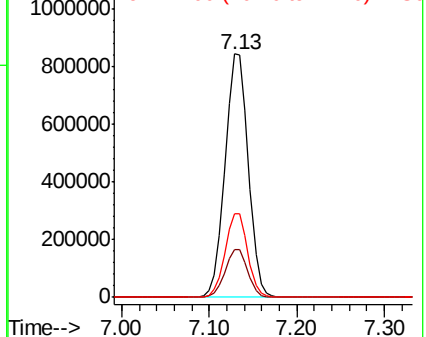
99 100

42 19.9 14.9 22.3

71 34.4 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Tgt Ion: 136 Resp: 559920

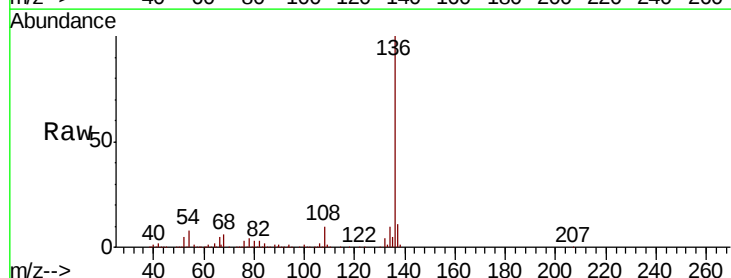
Ion Ratio Lower Upper

136 100

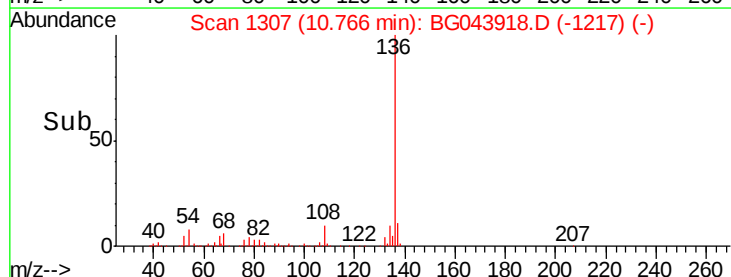
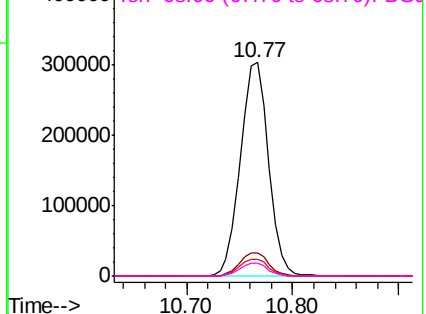
137 11.1 8.8 13.2

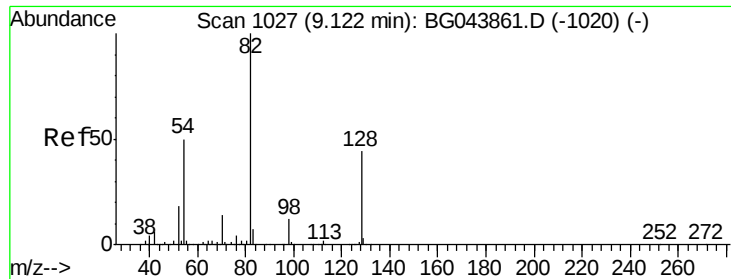
54 8.1 7.0 10.4

68 5.7 4.9 7.3



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

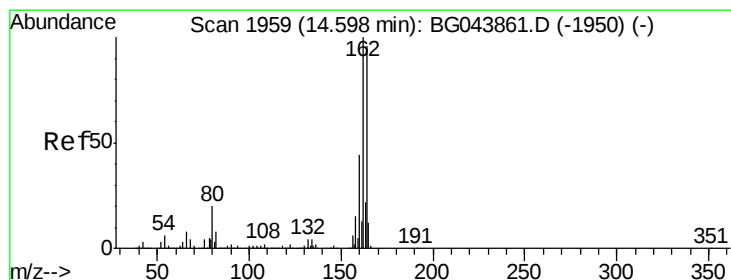
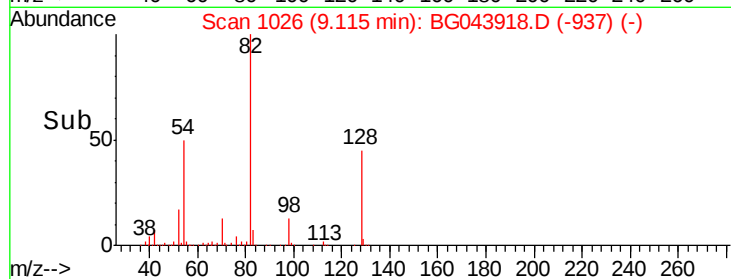
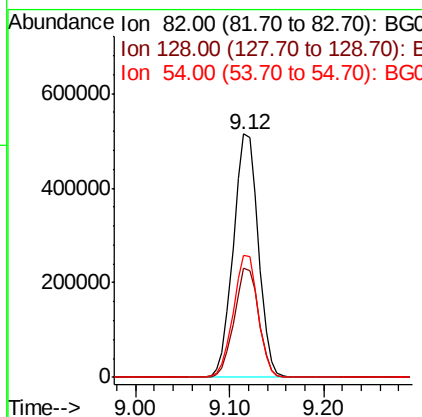
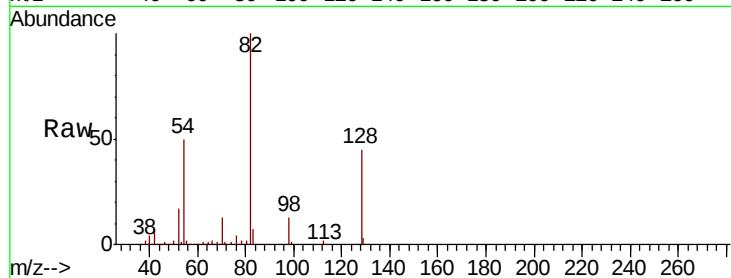




#23
Nitrobenzene-d5
Concen: 90.550 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

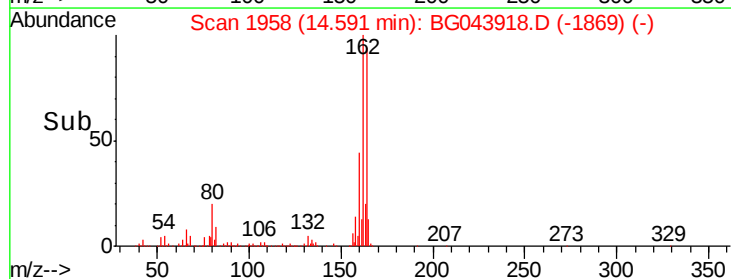
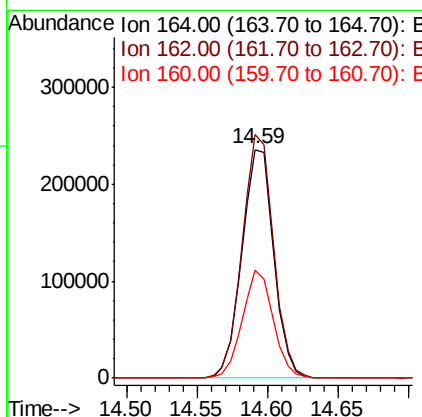
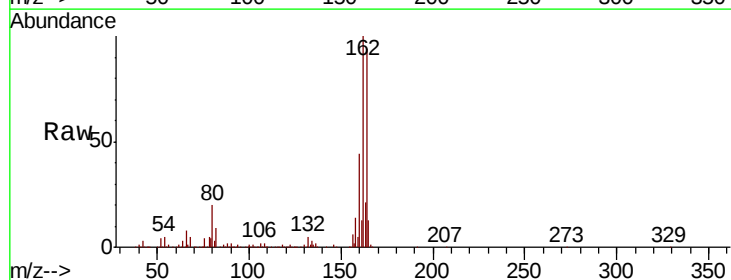
Instrument :
BNA_G
ClientSampleId :
CL-02-010220

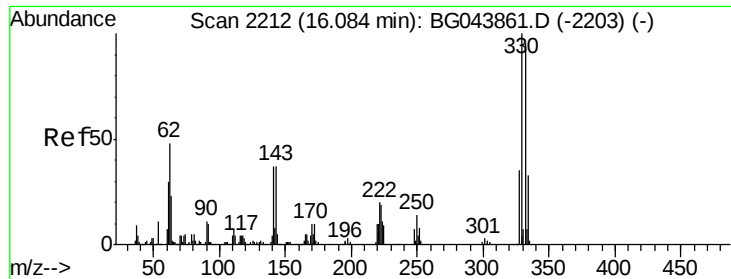
Tot Ion: 82 Resp: 947750
Ion Ratio Lower Upper
82 100
128 44.9 35.1 52.7
54 49.9 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tgt Ion:164 Resp: 373786
Ion Ratio Lower Upper
164 100
162 106.4 83.0 124.4
160 47.0 36.1 54.1

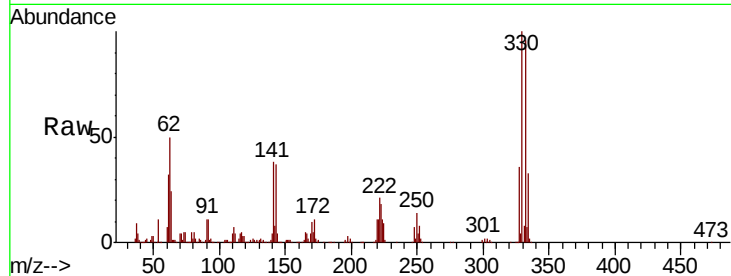




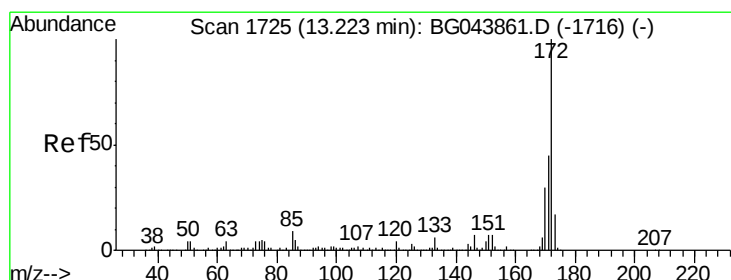
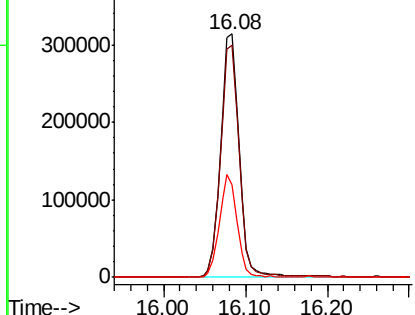
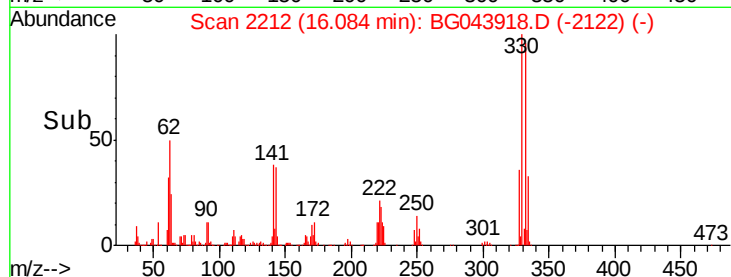
#42
 2,4,6-Tribromophenol
 Concen: 127.553 ng
 RT: 16.08 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: BG043918.D
 Acq: 4 Jan 2020 12:14

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-010220

Tot Ion:330 Resp: 498934
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.2 115.8
 141 40.4 33.1 49.7

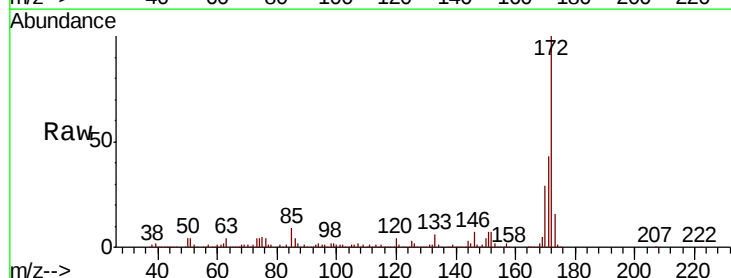


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

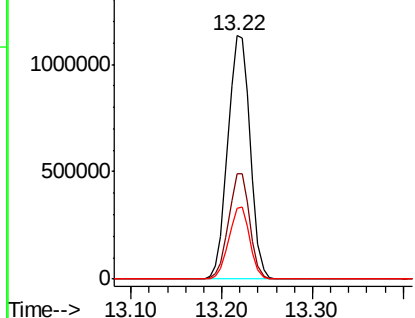
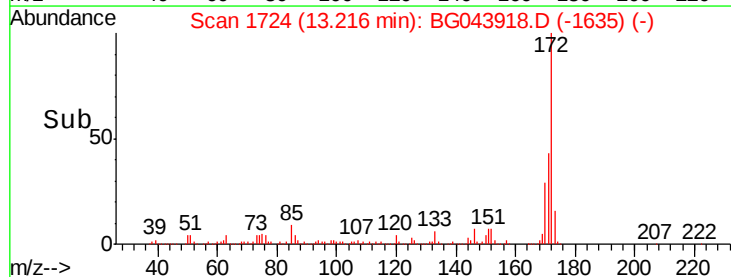


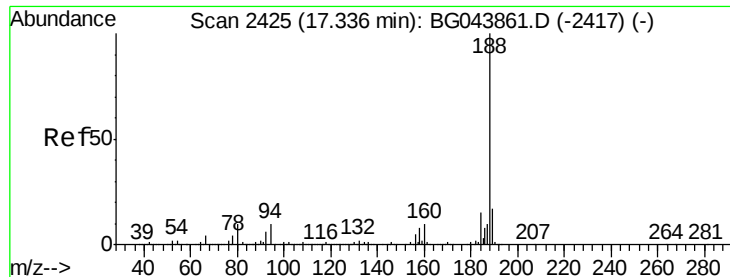
#45
 2-Fluorobiphenyl
 Concen: 94.074 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043918.D
 Acq: 4 Jan 2020 12:14

Tgt Ion:172 Resp: 1940842
 Ion Ratio Lower Upper
 172 100
 171 43.1 35.8 53.8
 170 29.2 24.2 36.4



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

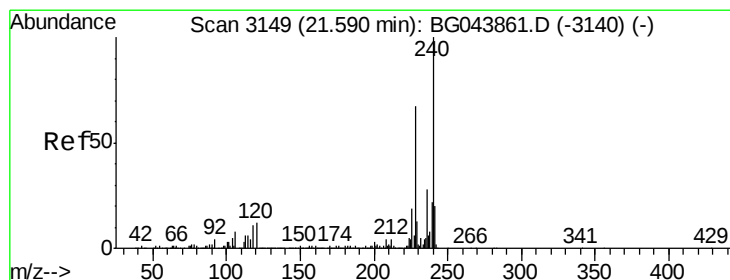
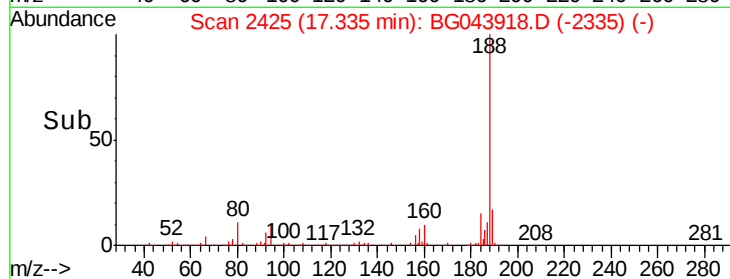
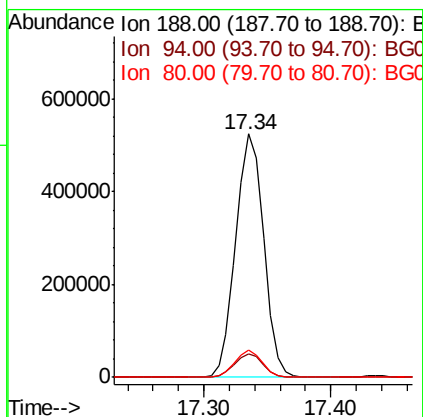
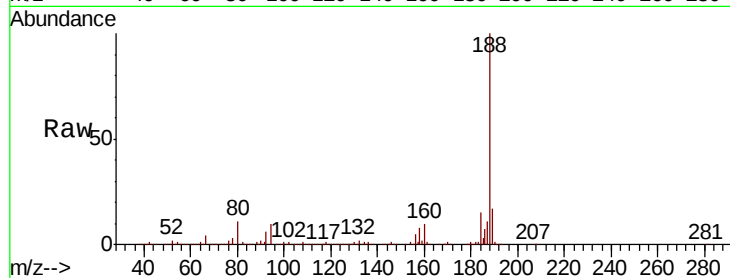




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

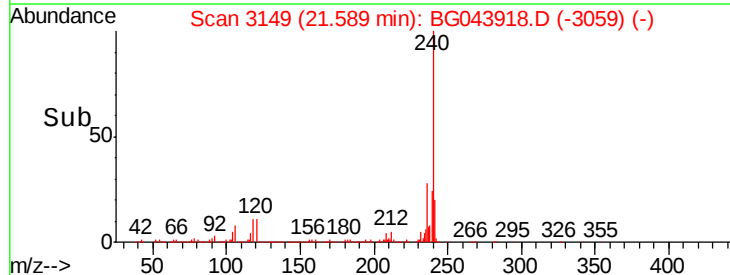
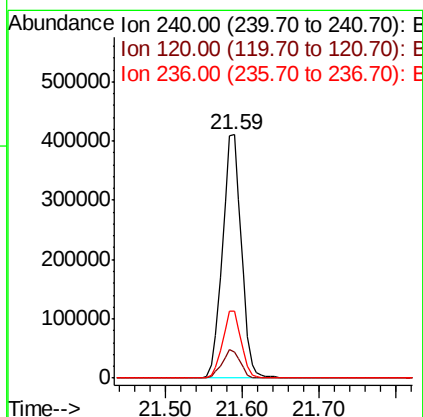
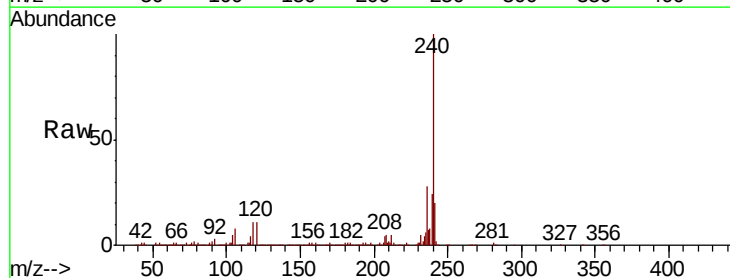
Instrument :
BNA_G
ClientSampleId :
CL-02-010220

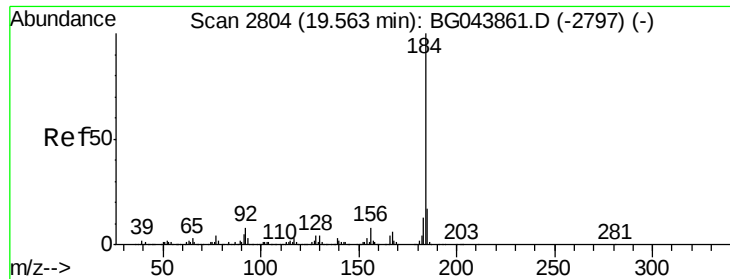
Tot Ion:188 Resp: 803520
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 11.1 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tgt Ion:240 Resp: 701228
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 27.7 22.2 33.2





#77

Benzidine

Concen: 2.009 ng

RT: 19.57 min Scan# 2805

Delta R.T. 0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Instrument :

BNA_G

ClientSampleId :

CL-02-010220

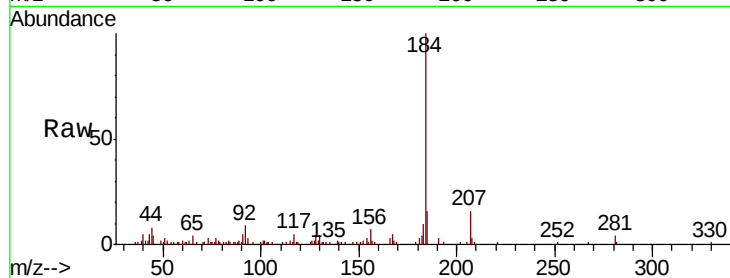
Tot Ion:184 Resp: 35405

Ion Ratio Lower Upper

184 100

185 15.6 13.4 20.0

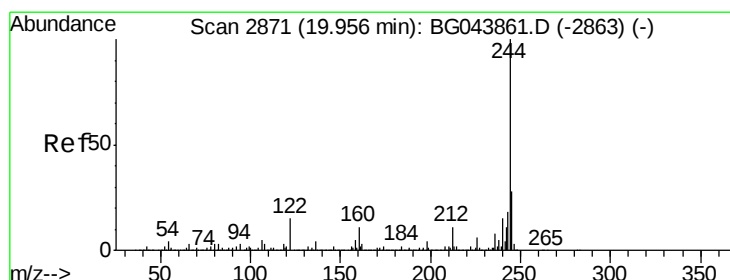
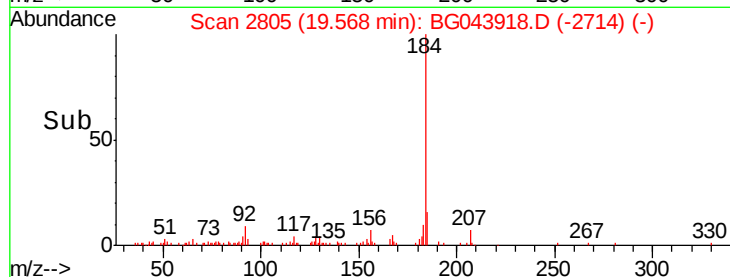
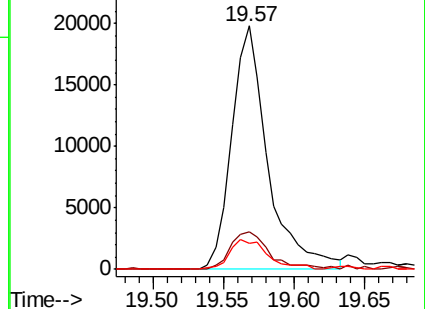
183 10.5 10.6 15.8#



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: 96.245 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

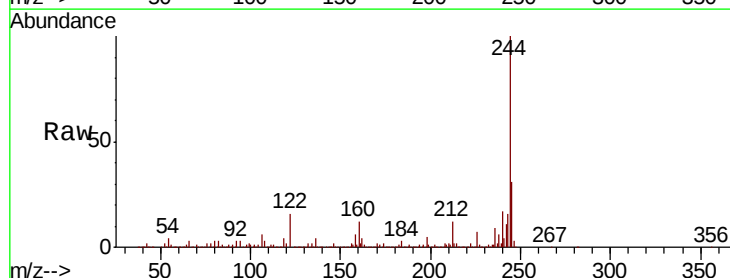
Tgt Ion:244 Resp: 2705514

Ion Ratio Lower Upper

244 100

212 12.2 8.6 13.0

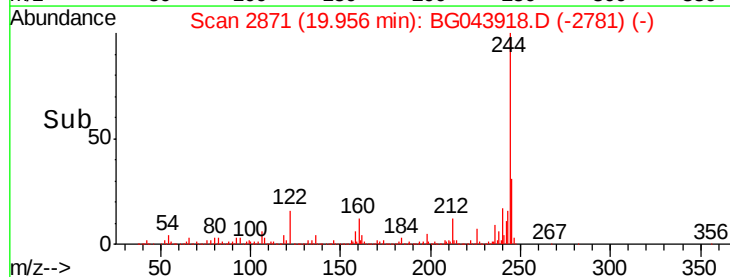
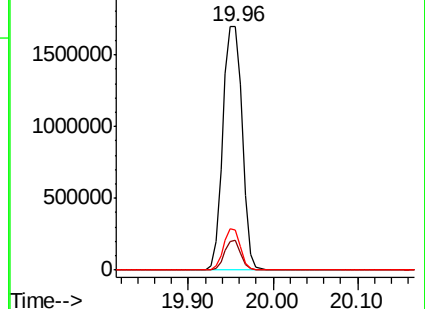
122 16.3 11.9 17.9

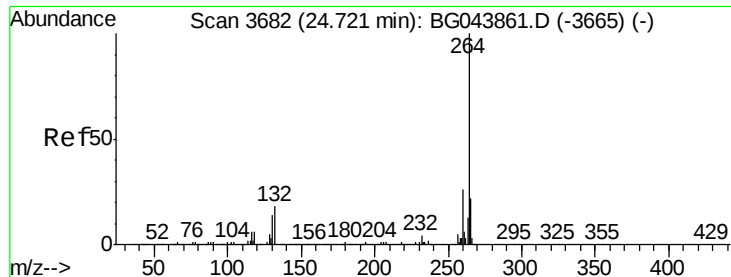


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.71 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Instrument :
BNA_G
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	23.3	17.4	26.2

