

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030320\
 Data File : BG044679.D
 Acq On : 4 Mar 2020 2:08
 Operator : CG/JU
 Sample : L1757-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 04 03:48:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

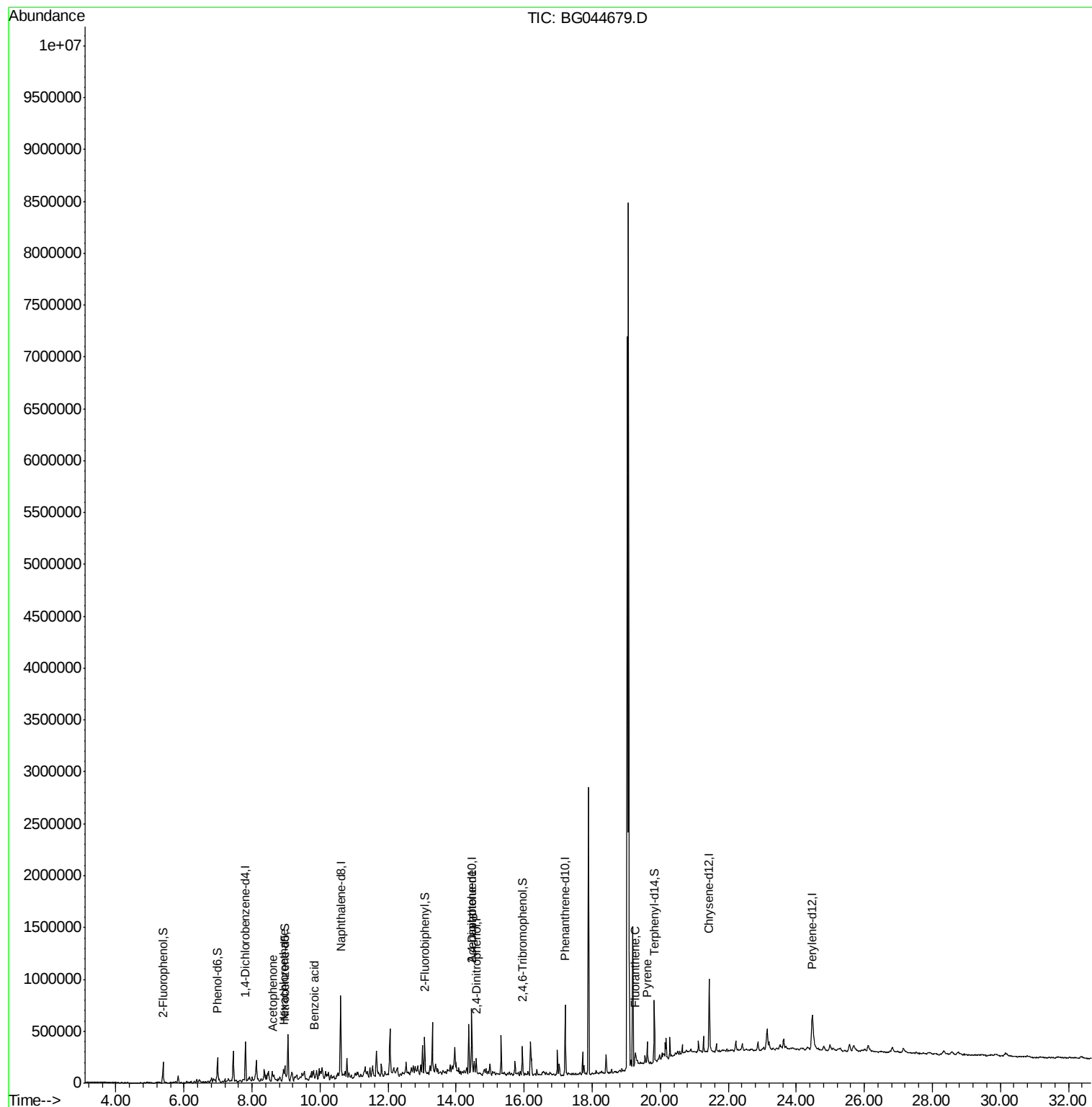
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	82398	20.00	ng	-0.06
21) Naphthalene-d8	10.61	136	341722	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	215863	20.00	ng	-0.06
64) Phenanthrene-d10	17.21	188	433624	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	389425	20.00	ng	-0.06
87) Perylene-d12	24.47	264	426626	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	104067	20.26	ng	-0.06
7) Phenol-d6	6.99	99	139760	19.88	ng	-0.06
23) Nitrobenzene-d5	8.96	82	82652	12.46	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	50105	16.37	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	200583	13.31	ng	-0.06
79) Terphenyl-d14	19.83	244	295219	14.35	ng	-0.06
Target Compounds						
18) Hexachloroethane	8.92	117	7697	3.134	ng	# 1
22) Acetophenone	8.62	105	23670	2.759	ng	# 57
32) Benzoic acid	9.83	122	813	5.872	ng	# 1
54) 2,4-Dinitrophenol	14.59	184	129	9.418	ng	# 27
57) 2,4-Dinitrotoluene	14.46	165	30782	5.698	ng	# 32
75) Fluoranthene	19.26	202	61581	2.167	ng	98
78) Pyrene	19.63	202	60867	2.153	ng	95

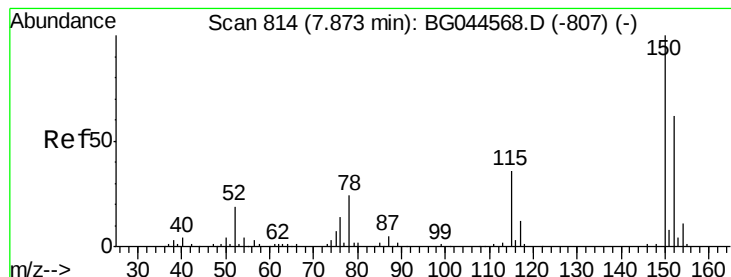
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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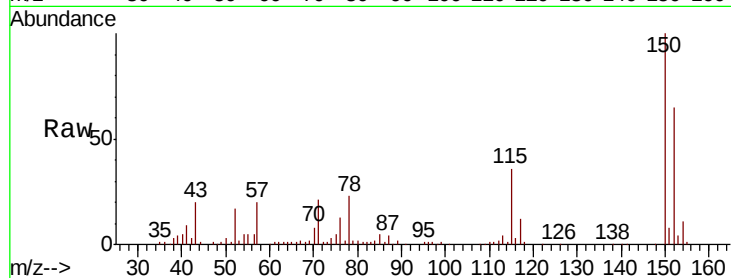


#1

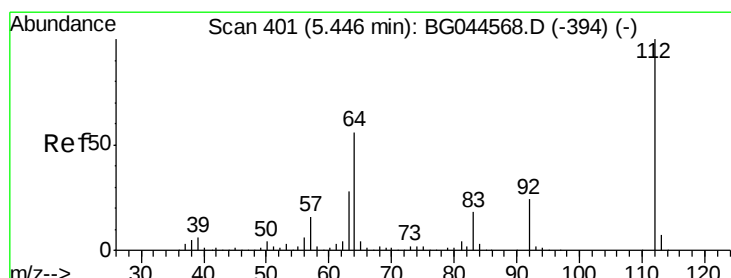
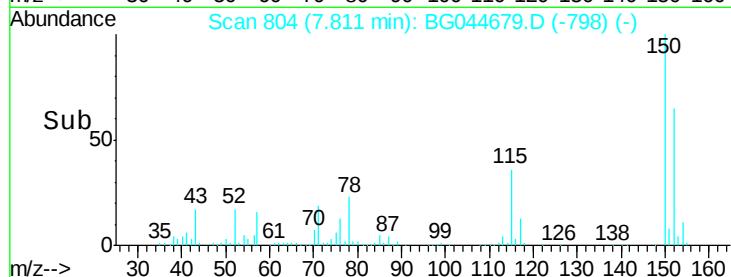
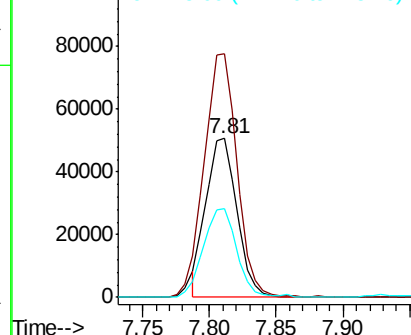
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.81 min Scan# 804
 Delta R.T. -0.06 min
 Lab File: BG044679.D
 Acq: 4 Mar 2020 2:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 82398
 Ion Ratio Lower Upper
 152 100
 150 153.0 128.9 193.3
 115 55.8 47.0 70.4



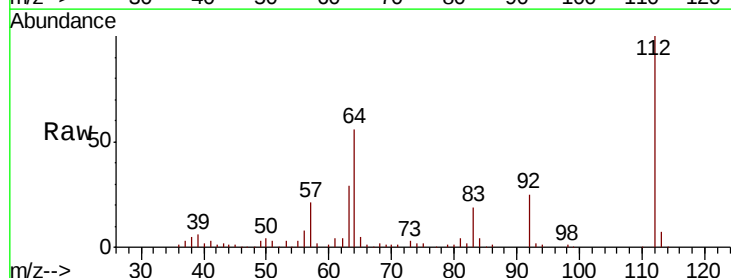
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



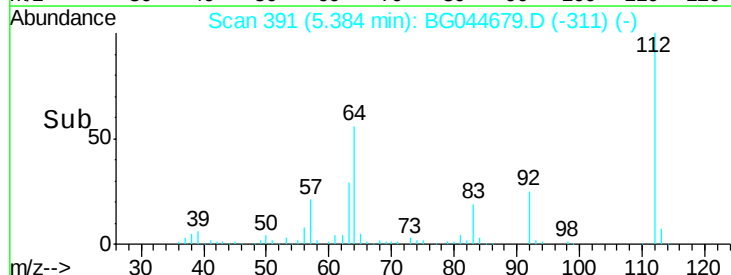
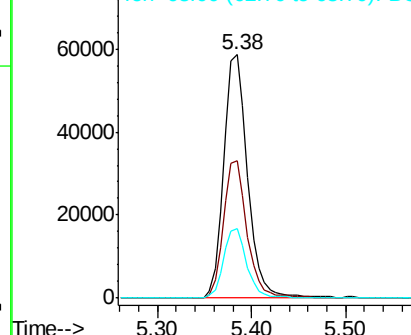
#5

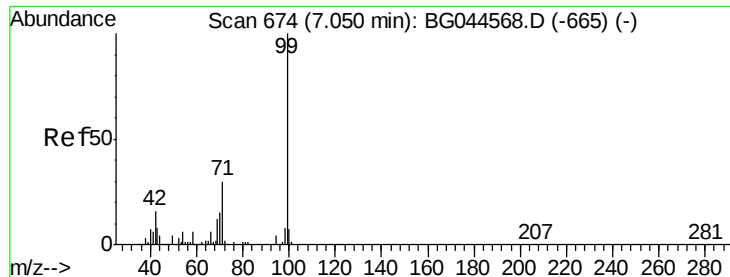
2-Fluorophenol
 Concen: 20.264 ng
 RT: 5.38 min Scan# 391
 Delta R.T. -0.06 min
 Lab File: BG044679.D
 Acq: 4 Mar 2020 2:08

Tgt Ion:112 Resp: 104067
 Ion Ratio Lower Upper
 112 100
 64 56.4 44.8 67.2
 63 28.8 22.3 33.5



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: 19.882 ng

RT: 6.99 min Scan# 664

Delta R.T. -0.06 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

Instrument :

BNA_G

ClientSampleId :

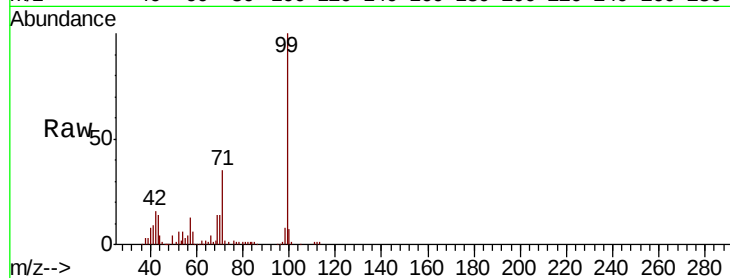
Tot Ion: 99 Resp: 139760

Ion Ratio Lower Upper

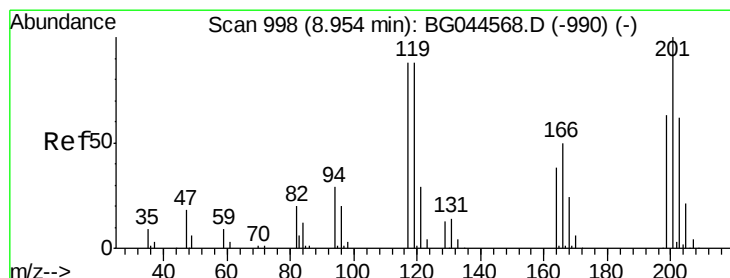
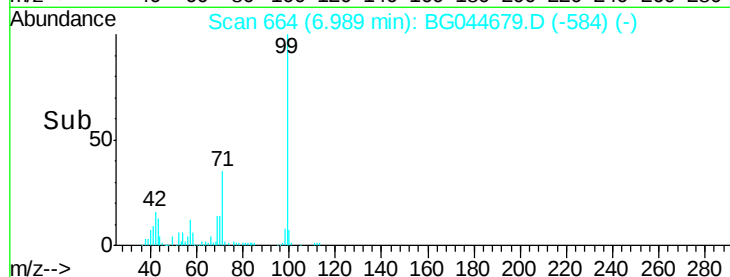
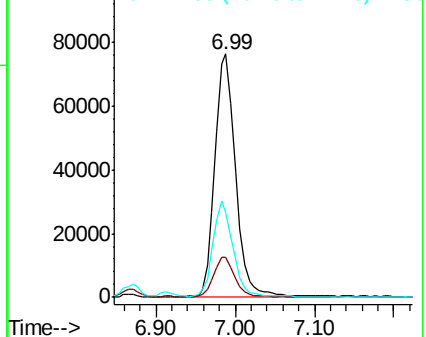
99 100

42 16.3 12.8 19.2

71 35.1 24.4 36.6



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



#18

Hexachloroethane

Concen: 3.134 ng

RT: 8.92 min Scan# 993

Delta R.T. -0.03 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

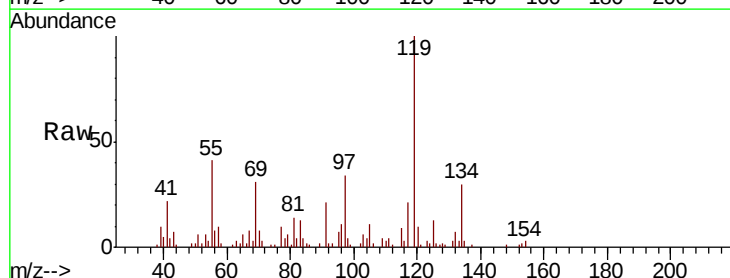
Tgt Ion: 117 Resp: 7697

Ion Ratio Lower Upper

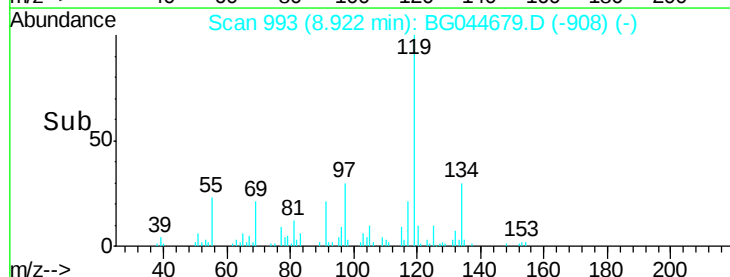
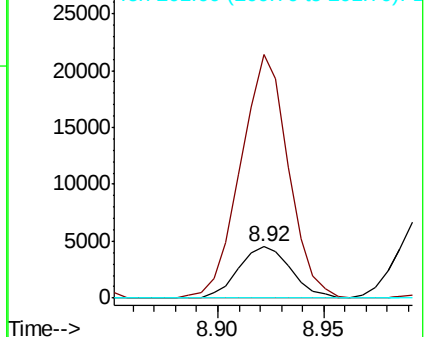
117 100

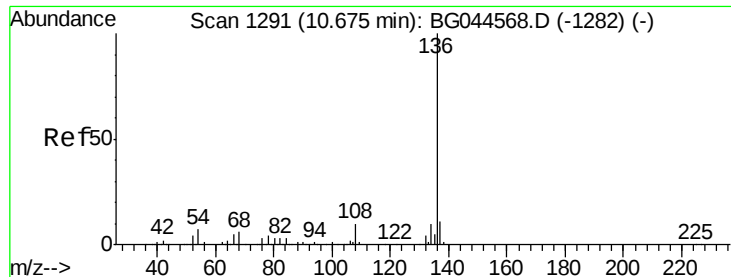
119 472.9 80.0 120.0#

201 0.0 90.5 135.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1280

Delta R.T. -0.07 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 341722

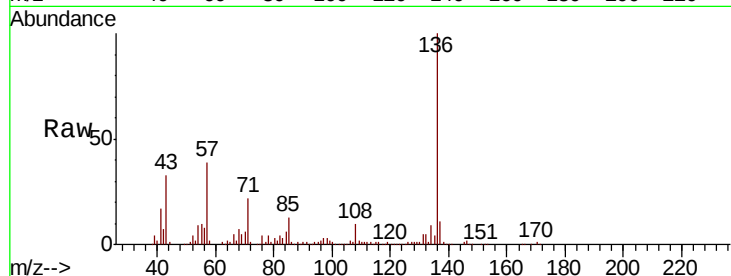
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.9 5.7 8.5#

68 7.0 4.5 6.7#



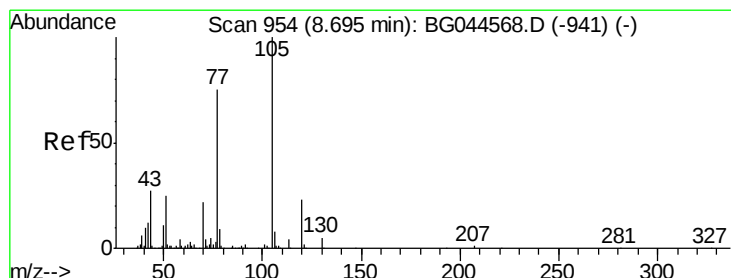
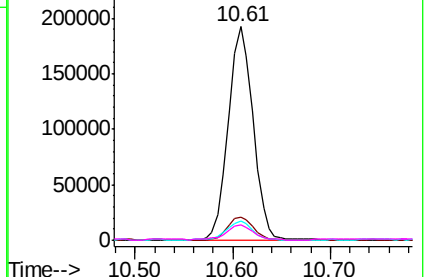
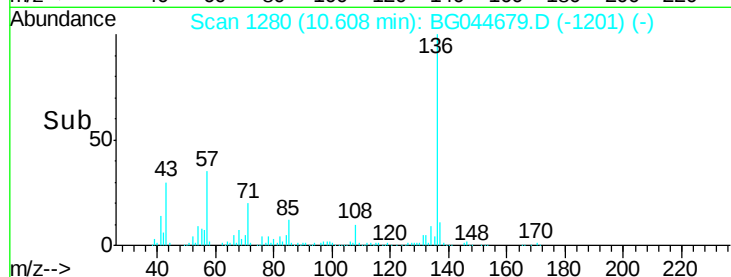
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#22

Acetophenone

Concen: 2.759 ng

RT: 8.62 min Scan# 942

Delta R.T. -0.07 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

Tgt Ion:105 Resp: 23670

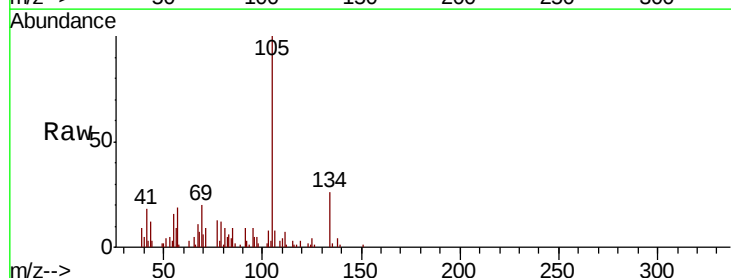
Ion Ratio Lower Upper

105 100

71 9.1 2.8 4.2#

51 4.2 19.9 29.9#

120 0.0 18.6 28.0#



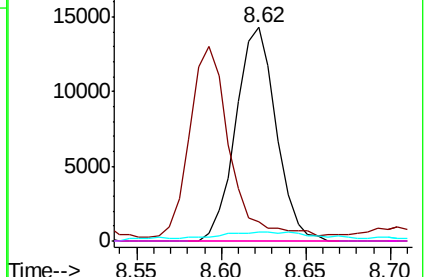
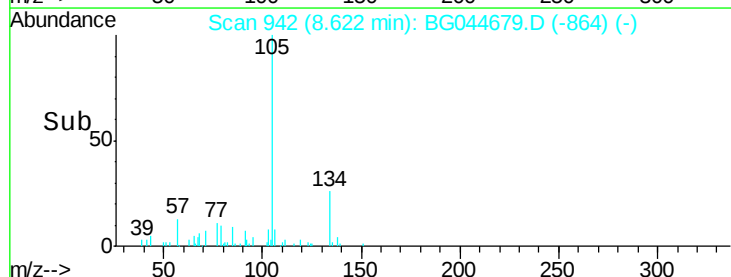
Abundance Ion 105.00 (104.70 to 105.70): E

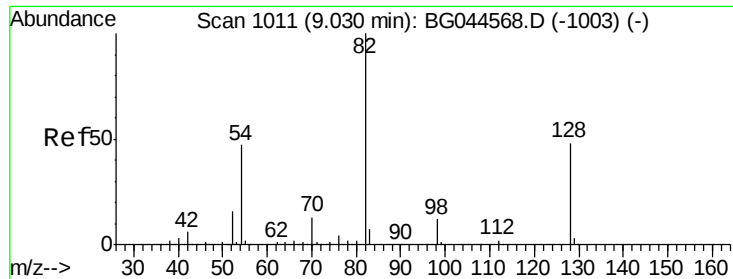
Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

Time-->

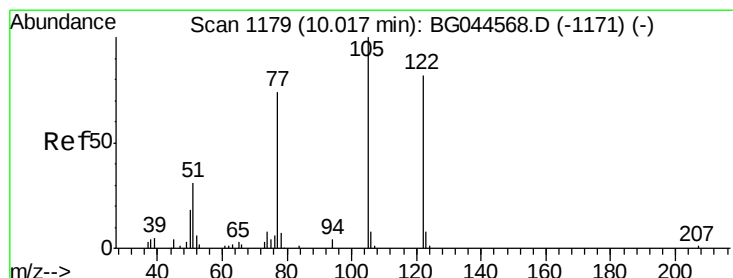
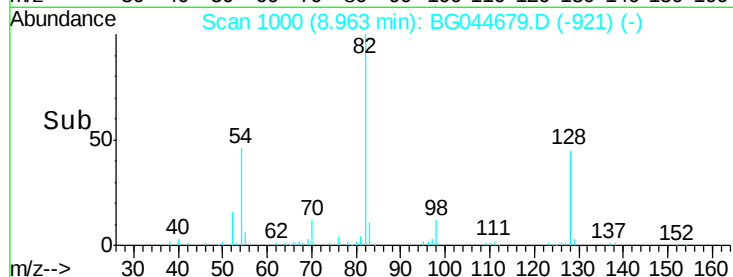
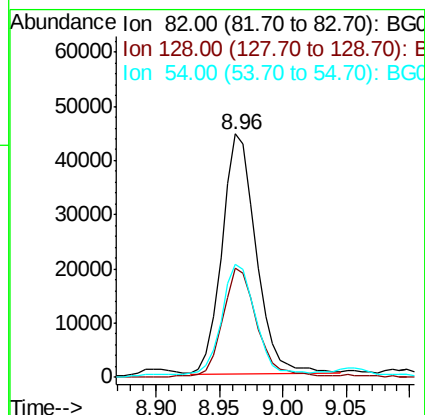
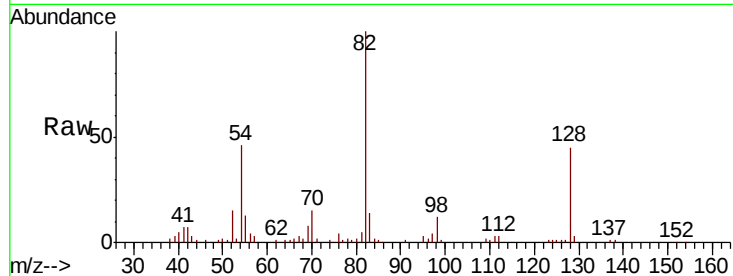




#23
Nitrobenzene-d5
Concen: 12.461 ng
RT: 8.96 min Scan# 1000
Delta R.T. -0.07 min
Lab File: BG044679.D
Acq: 4 Mar 2020 2:08

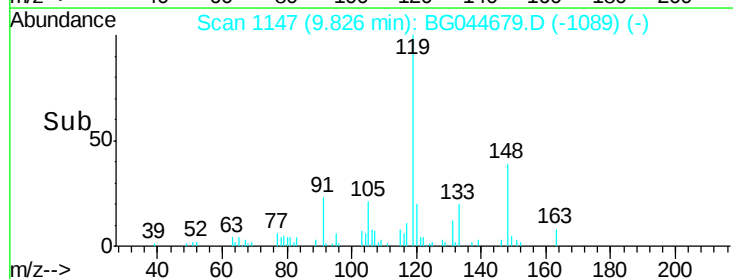
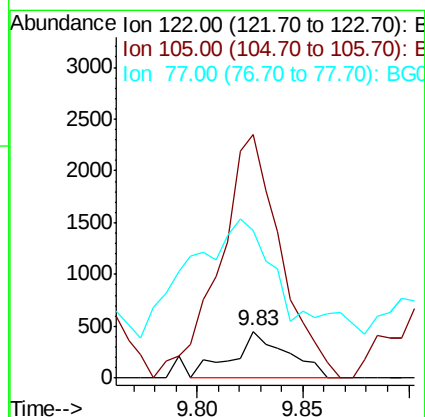
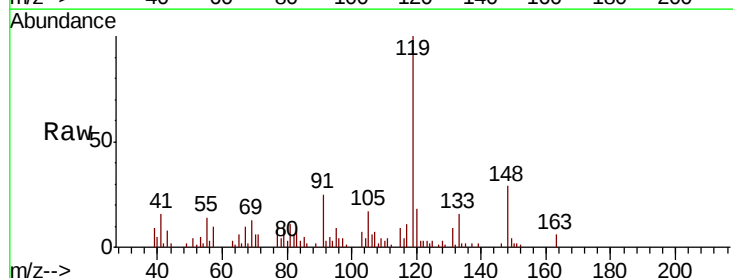
Instrument :
BNA_G
ClientSampleID :

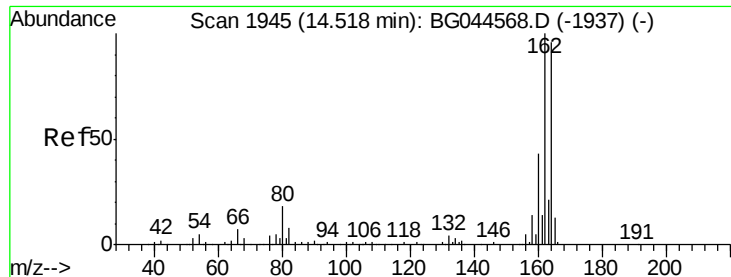
Tot Ion: 82 Resp: 82652
Ion Ratio Lower Upper
82 100
128 45.1 38.1 57.1
54 46.3 37.5 56.3



#32
Benzoic acid
Concen: 5.872 ng
RT: 9.83 min Scan# 1147
Delta R.T. -0.19 min
Lab File: BG044679.D
Acq: 4 Mar 2020 2:08

Tgt Ion: 122 Resp: 813
Ion Ratio Lower Upper
122 100
105 521.1 101.4 141.4#
77 314.9 69.8 109.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.06 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

Instrument :

BNA_G

ClientSampleId :

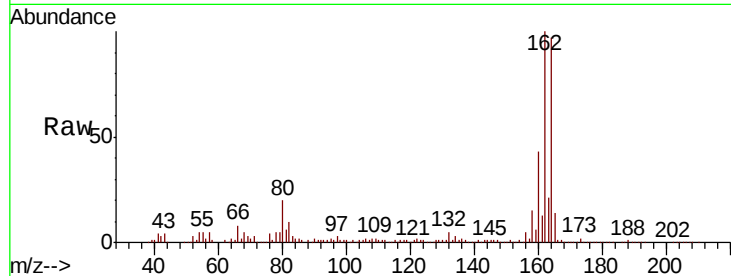
Tot Ion:164 Resp: 215863

Ion Ratio Lower Upper

164 100

162 102.7 83.6 125.4

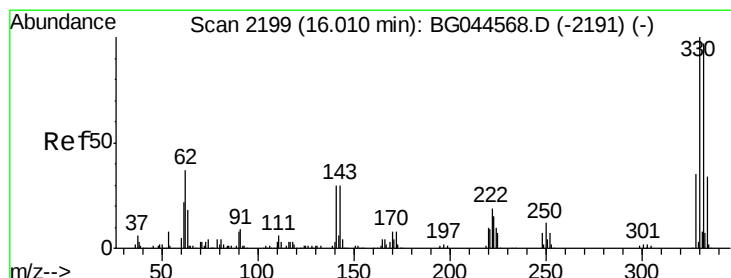
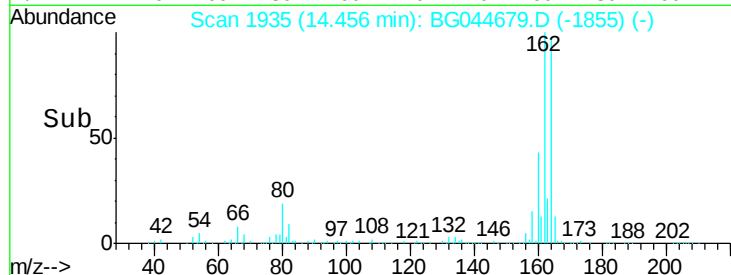
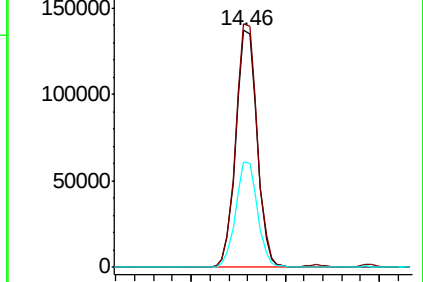
160 44.6 36.2 54.4



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: 16.370 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

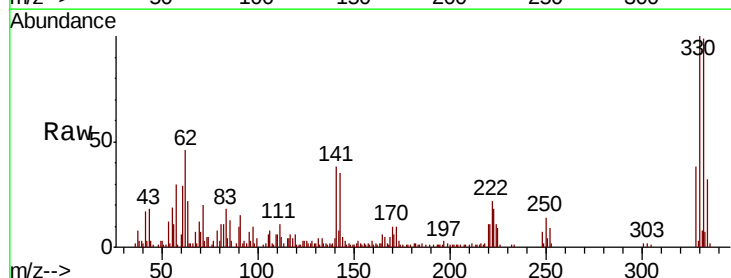
Tgt Ion:330 Resp: 50105

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

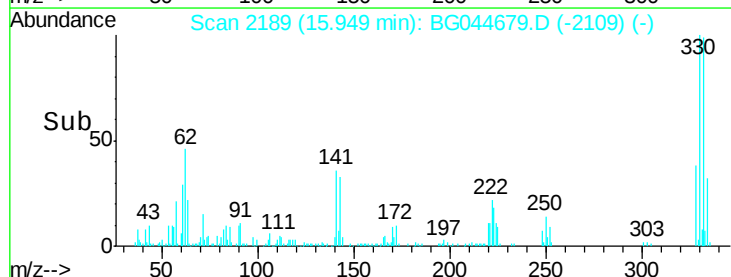
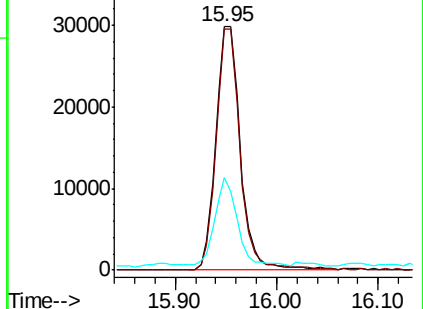
141 33.4 26.1 39.1

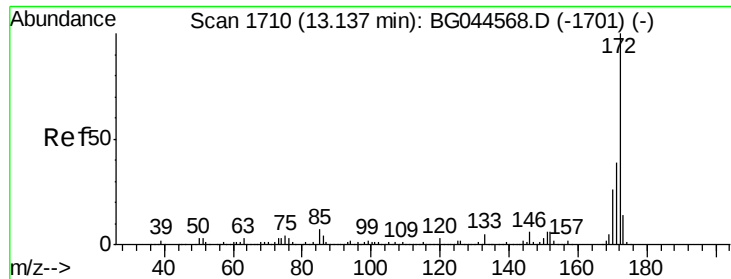


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

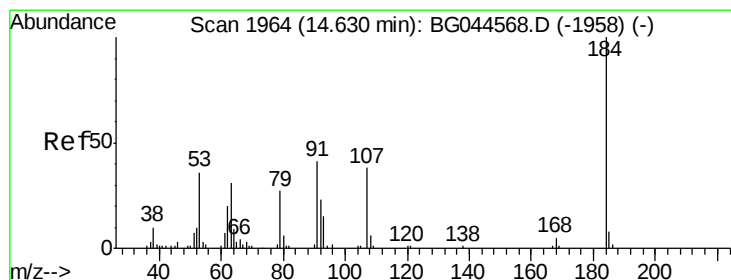
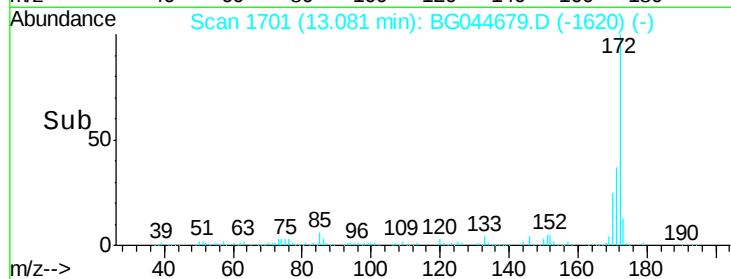
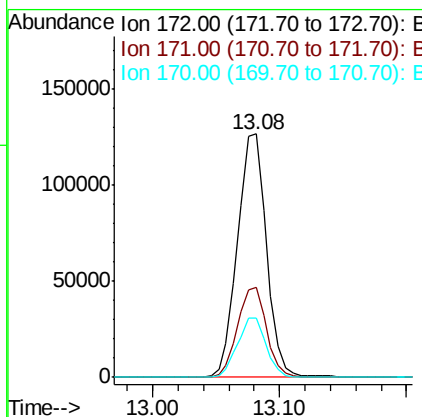
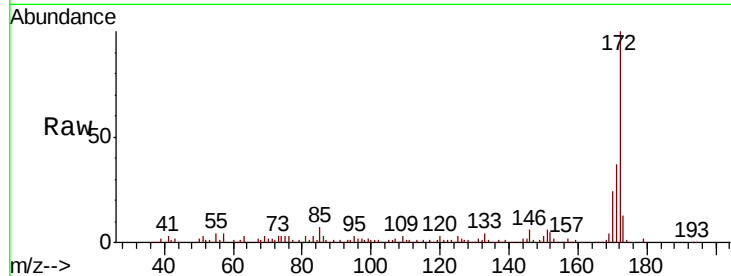




#45
2-Fluorobiphenyl
Concen: 13.306 ng
RT: 13.08 min Scan# 1701
Delta R.T. -0.06 min
Lab File: BG044679.D
Acq: 4 Mar 2020 2:08

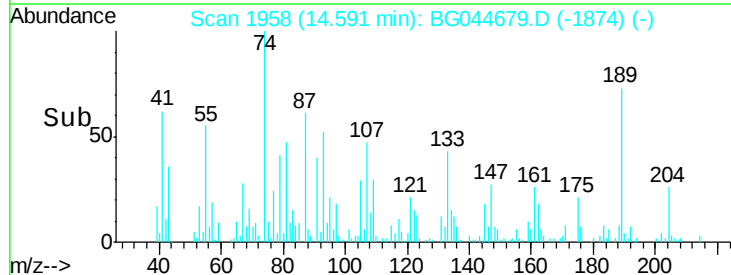
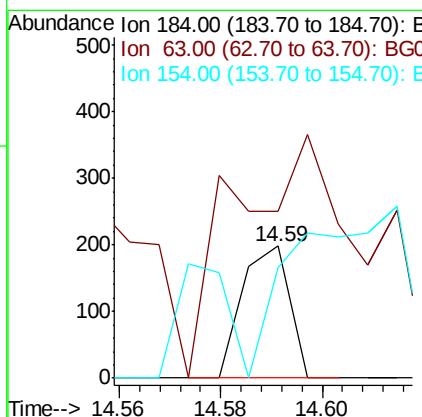
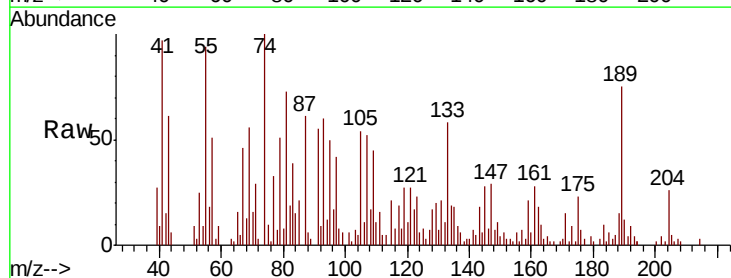
Instrument :
BNA_G
ClientSampleId :

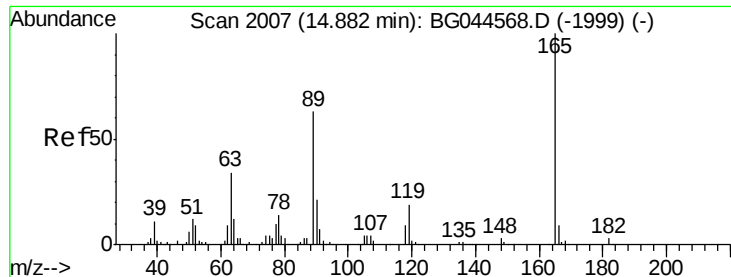
Tot Ion:172 Resp: 200583
Ion Ratio Lower Upper
172 100
171 37.0 31.3 46.9
170 24.5 21.0 31.4



#54
2,4-Dinitrophenol
Concen: 9.418 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.04 min
Lab File: BG044679.D
Acq: 4 Mar 2020 2:08

Tgt Ion:184 Resp: 129
Ion Ratio Lower Upper
184 100
63 126.8 42.1 63.1#
154 83.8 43.4 65.2#

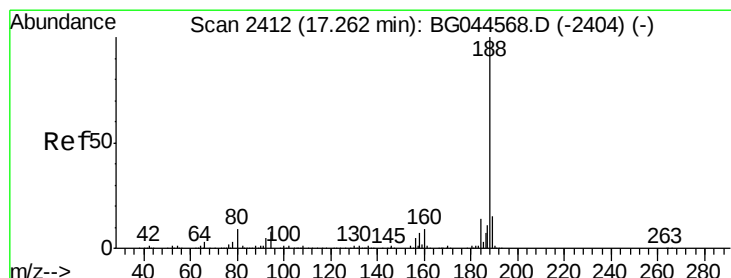
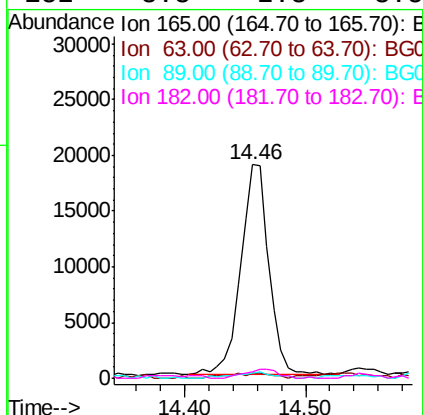
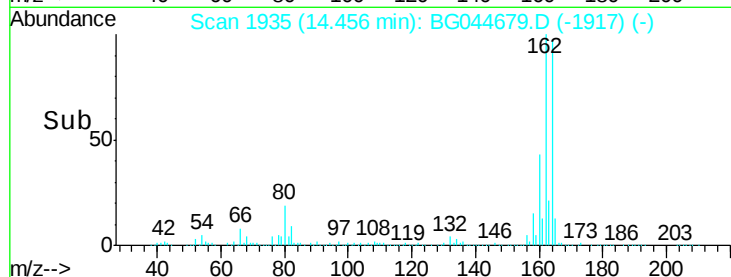
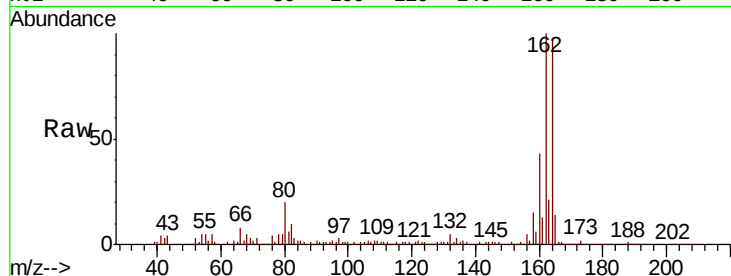




#57
 2,4-Dinitrotoluene
 Concen: 5.698 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. -0.43 min
 Lab File: BG044679.D
 Acq: 4 Mar 2020 2:08

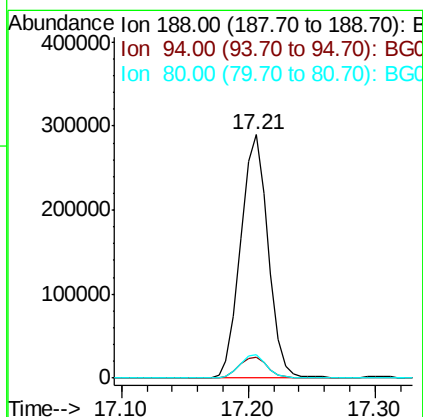
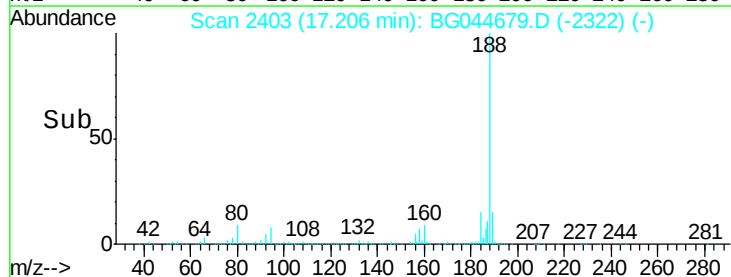
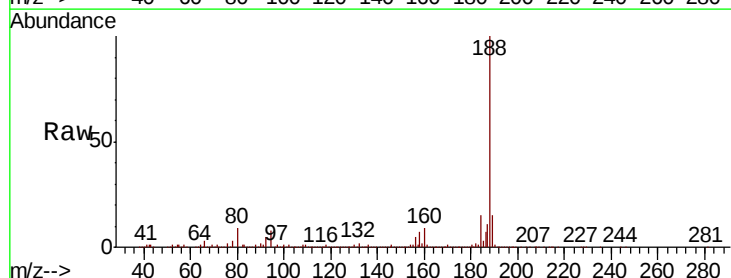
Instrument :
 BNA_G
 ClientSampleId :

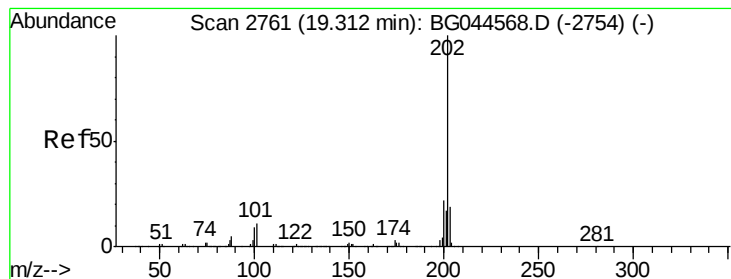
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	27.5	41.3#
89	2.2	50.0	75.0#
182	3.3	2.3	3.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2403
 Delta R.T. -0.06 min
 Lab File: BG044679.D
 Acq: 4 Mar 2020 2:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	9.4	7.6	11.4





#75

Fluoranthene

Concen: 2.167 ng

RT: 19.26 min Scan# 2753

Delta R.T. -0.05 min

Lab File: BG044679.D

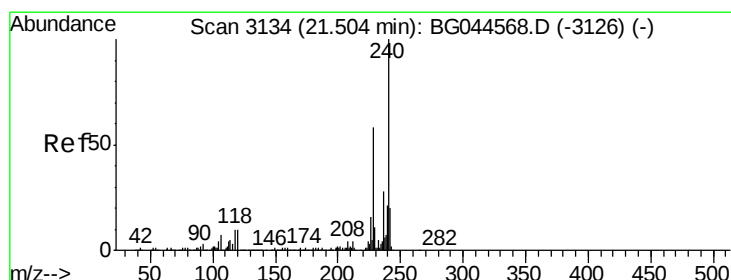
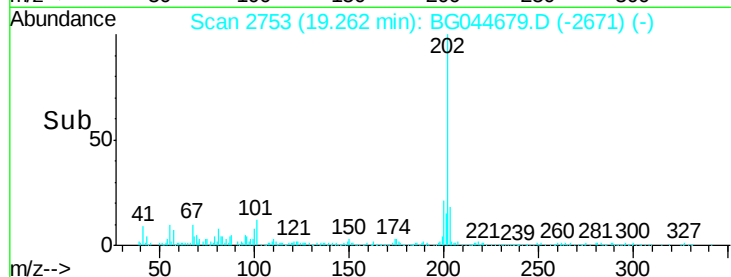
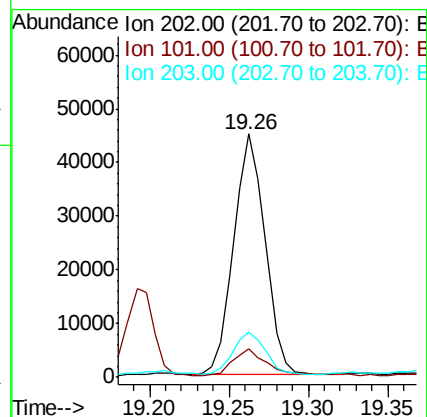
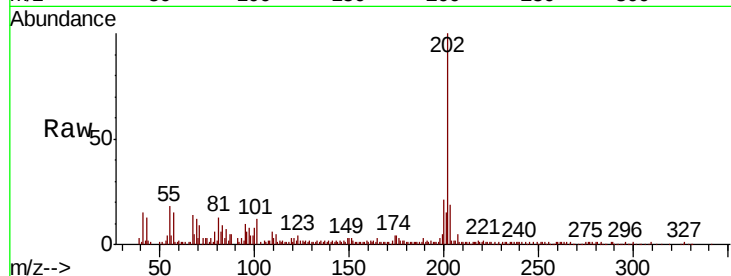
Acq: 4 Mar 2020 2:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	61581
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.0
203	18.6	0.0	39.2



#76

Chrysene-d12

Concen: 20.000 ng

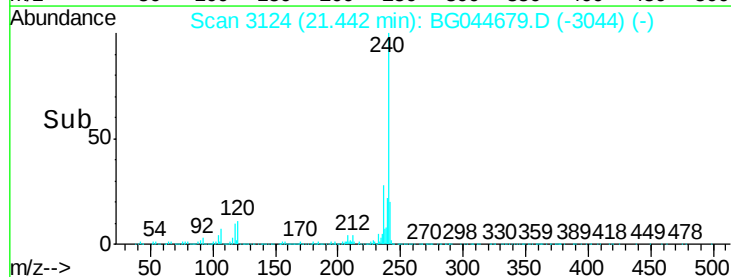
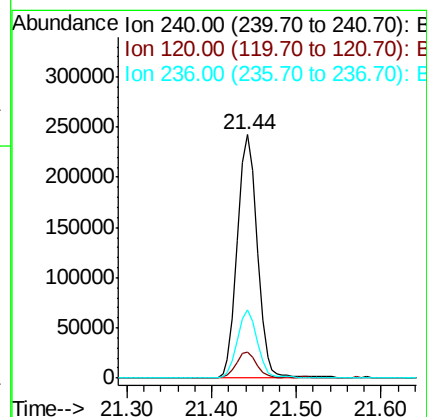
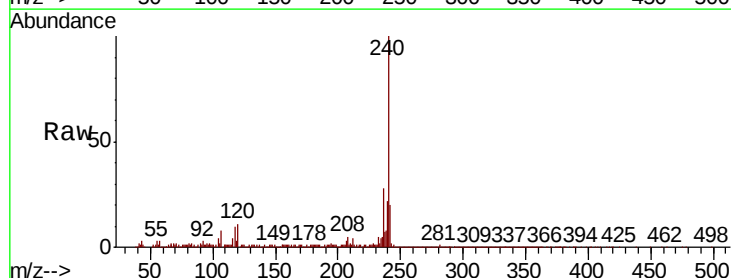
RT: 21.44 min Scan# 3124

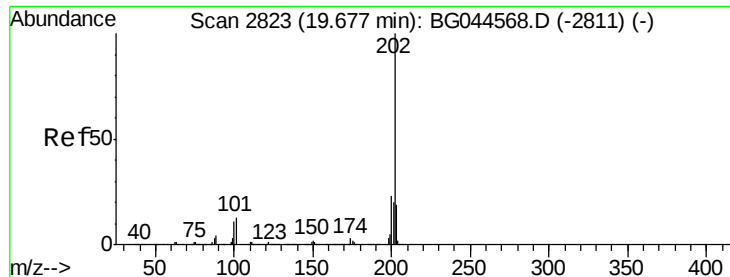
Delta R.T. -0.06 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

Tgt Ion:	240	Resp:	389425
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	27.9	22.3	33.5





#78

Pvrene

Concen: 2.153 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.05 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

Instrument :

BNA_G

ClientSampleId :

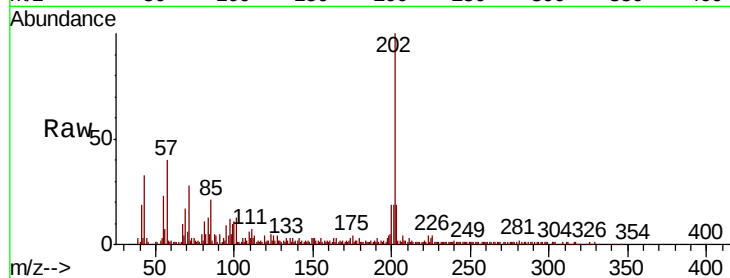
Tot Ion:202 Resp: 60867

Ion Ratio Lower Upper

202 100

200 19.3 18.6 28.0

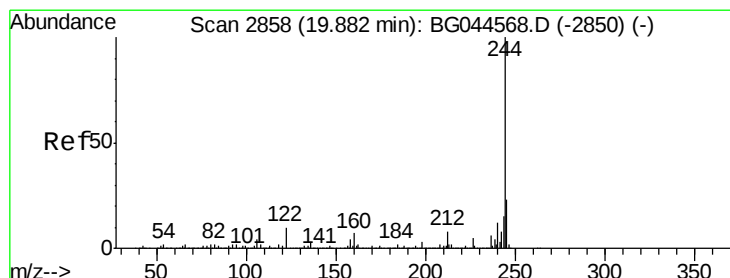
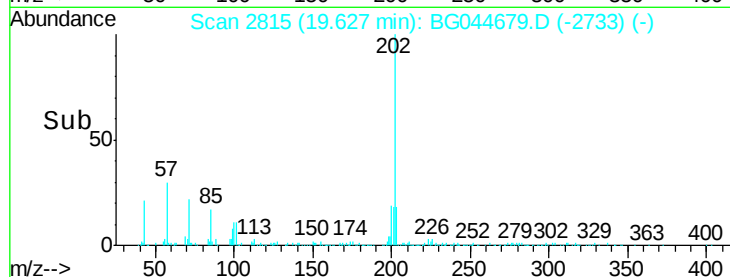
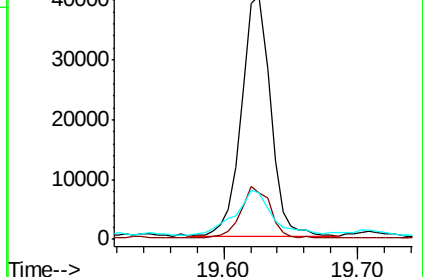
203 19.3 15.3 22.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.351 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.06 min

Lab File: BG044679.D

Acq: 4 Mar 2020 2:08

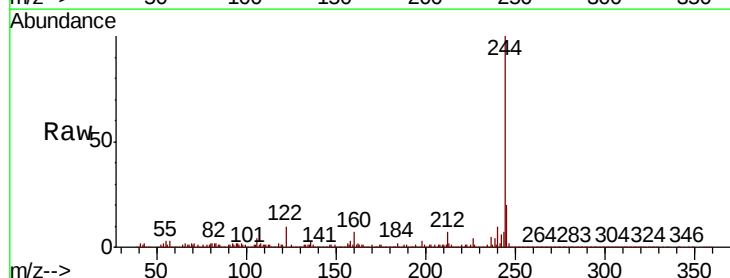
Tgt Ion:244 Resp: 295219

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

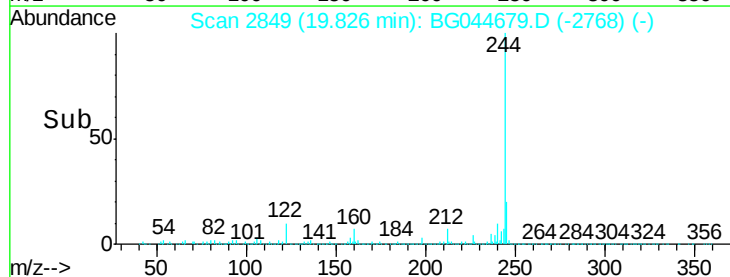
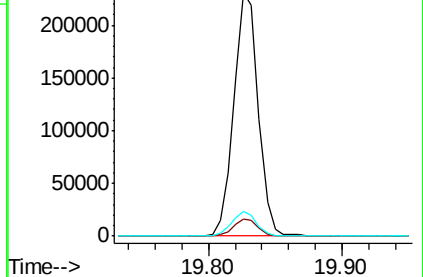
122 10.3 8.2 12.4

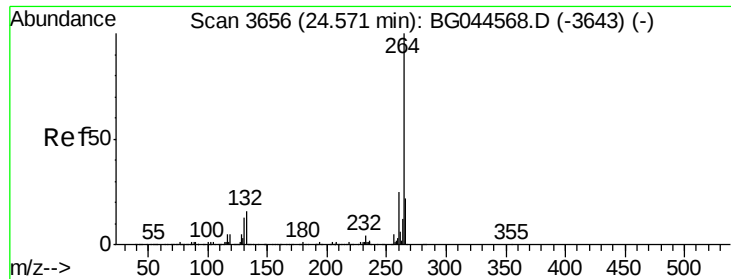


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

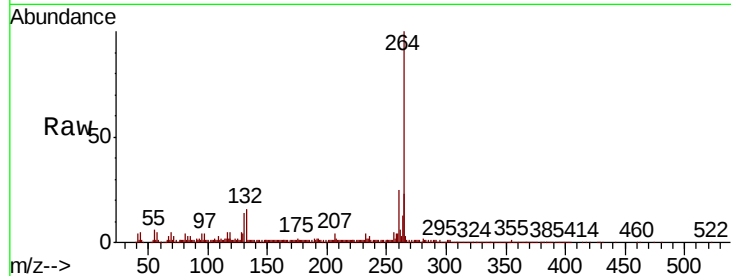




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.47 min Scan# 3639
 Delta R.T. -0.10 min
 Lab File: BG044679.D
 Acq: 4 Mar 2020 2:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	23.2	17.8	26.8



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

