

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051120\
 Data File : BG045301.D
 Acq On : 11 May 2020 18:04
 Operator : CG/JU
 Sample : L2554-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-1

Quant Time: May 11 18:44:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	63398	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	224225	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	155497	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	354598	20.00	ng	0.00
76) Chrysene-d12	21.63	240	404763	20.00	ng	-0.01
87) Perylene-d12	24.79	264	475384	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	295927	77.06	ng	0.00
7) Phenol-d6	7.14	99	420061	73.62	ng	0.00
23) Nitrobenzene-d5	9.13	82	283634	57.72	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	185630	77.27	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	622672	58.72	ng	0.00
79) Terphenyl-d14	19.98	244	1117737	60.19	ng	0.00

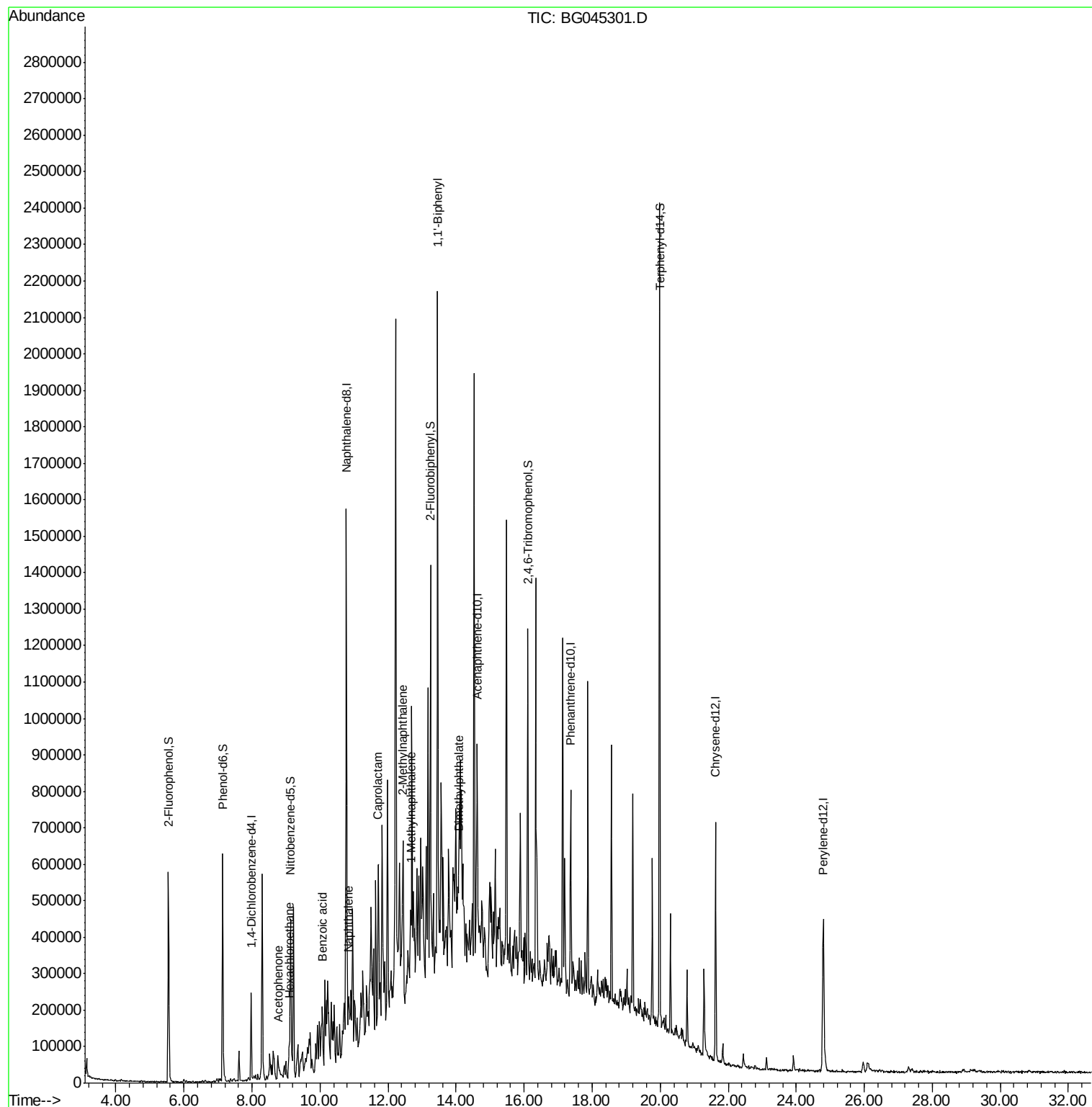
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	1060	Below Cal	#	1
18) Hexachloroethane	9.09	117	7686	4.219 ng	#	1
22) Acetophenone	8.79	105	17019	2.807 ng	#	60
31) Naphthalene	10.84	128	34054	2.776 ng	#	91
32) Benzoic acid	10.08	122	178	6.429 ng	#	1
35) Caprolactam	11.72	113	6862	4.337 ng	#	1
37) 2-Methylnaphthalene	12.45	142	111858	11.749 ng		95
38) 1-Methylnaphthalene	12.66	142	69593	7.743 ng	#	92
46) 1,1'-Biphenyl	13.46	154	32601	2.758 ng		92
50) Dimethylphthalate	14.07	163	65368	5.163 ng	#	93
69) Atrazine	16.83	200	2721	Below Cal	#	62
74) Di-n-butylphthalate	18.33	149	1099	Below Cal	#	32
75) Fluoranthene	19.78	202	17015	Below Cal		95
77) Benzidine	19.77	184	649	Below Cal	#	1

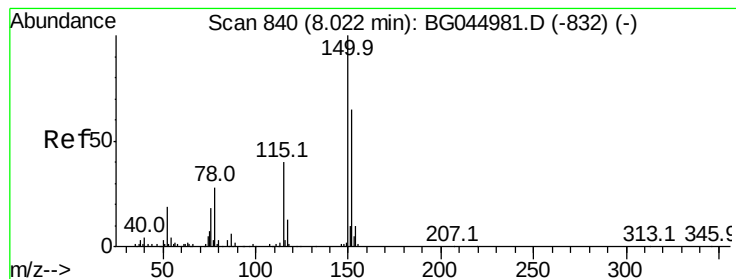
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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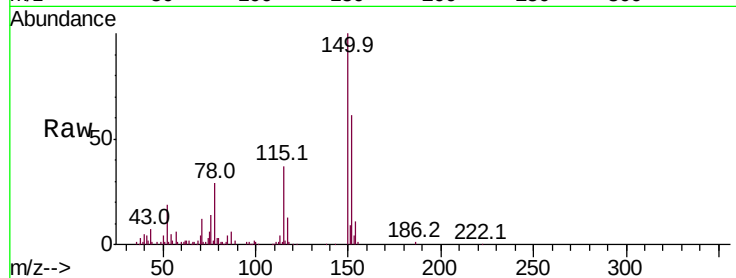


#1

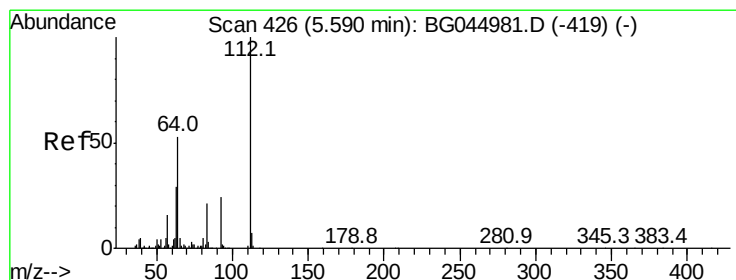
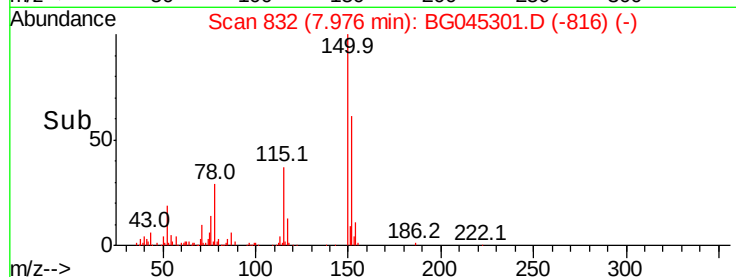
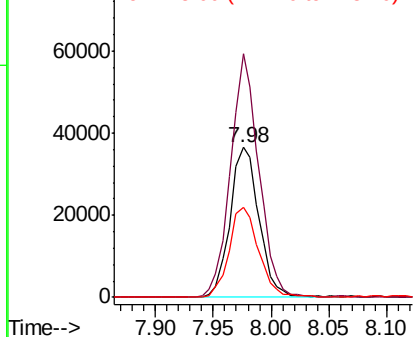
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

Instrument :
BNA_G
ClientSampleId :
DRUM-1-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	123.6	185.4
115	59.7	49.1	73.7



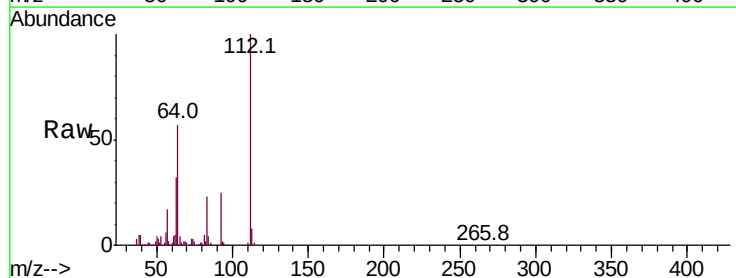
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



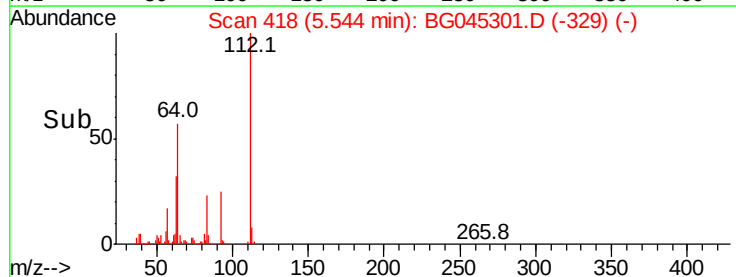
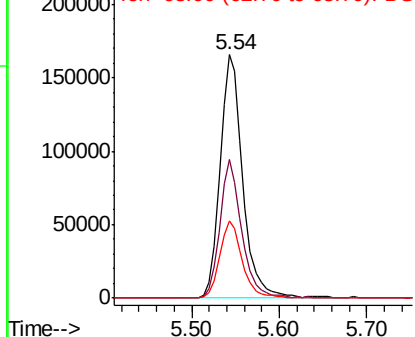
#5

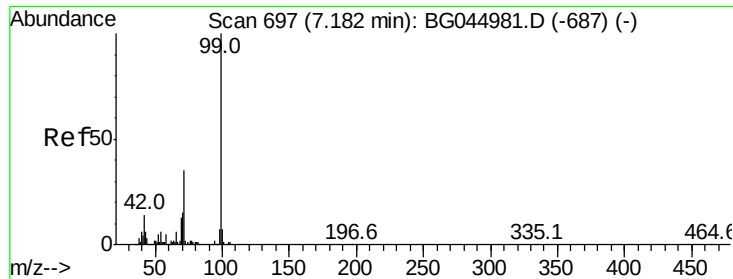
2-Fluorophenol
Concen: 77.062 ng
RT: 5.54 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	42.4	63.6
63	31.8	23.1	34.7



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: 73.625 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

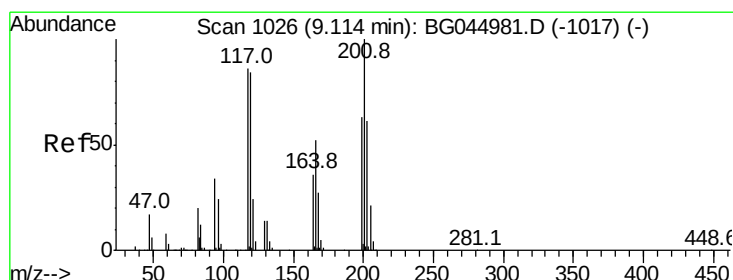
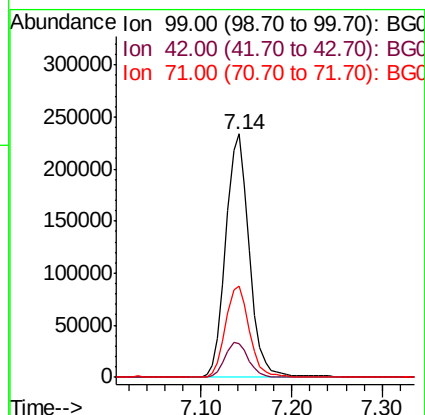
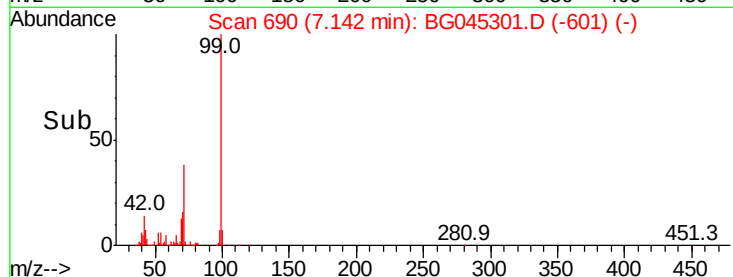
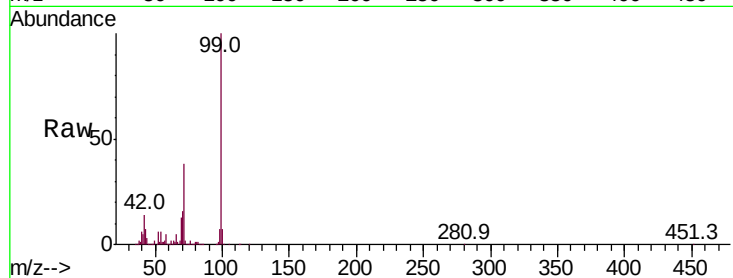
Tot Ion: 99 Resp: 420061

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

71 37.7 28.3 42.5



#18

Hexachloroethane

Concen: 4.219 ng

RT: 9.09 min Scan# 1022

Delta R.T. 0.02 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

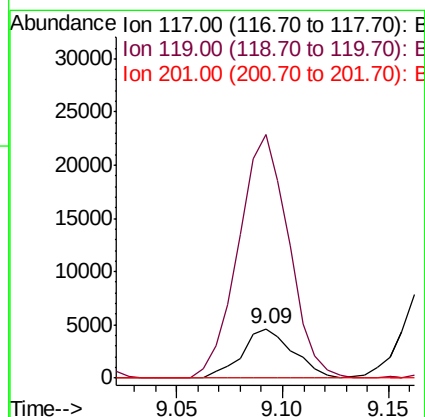
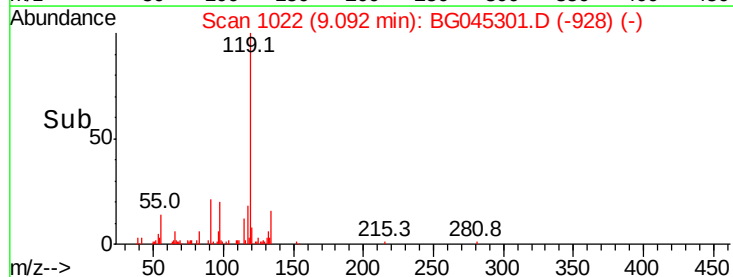
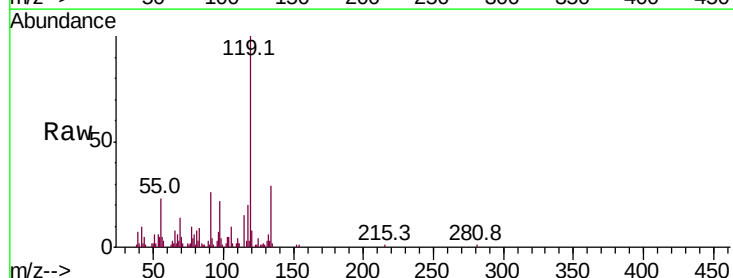
Tgt Ion: 117 Resp: 7686

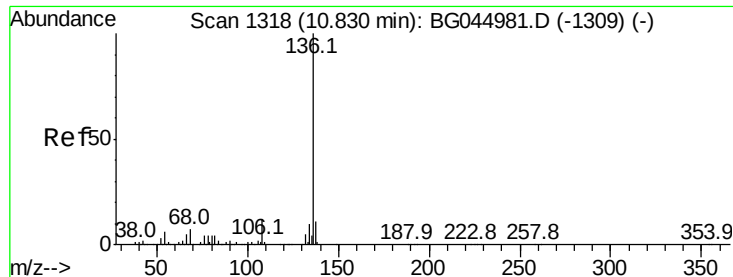
Ion Ratio Lower Upper

117 100

119 493.6 78.3 117.5#

201 0.0 92.9 139.3#

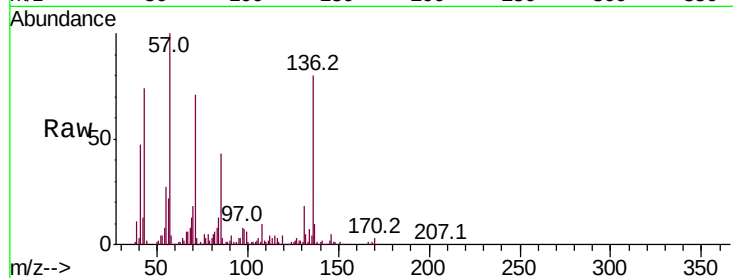




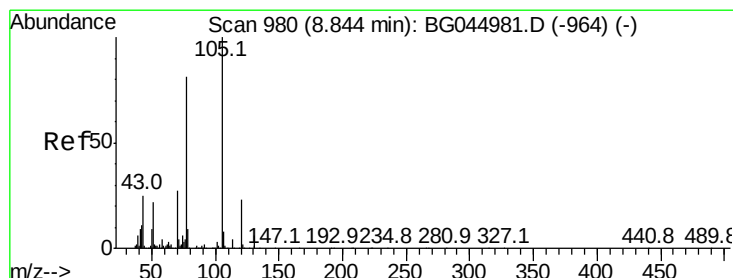
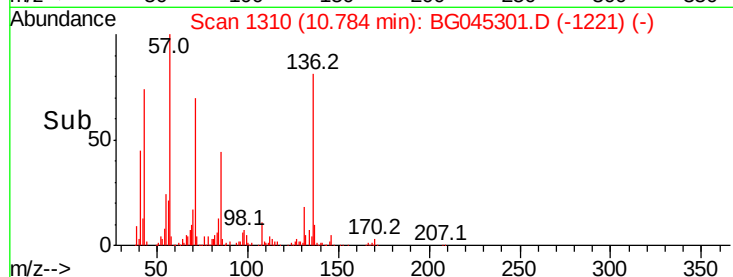
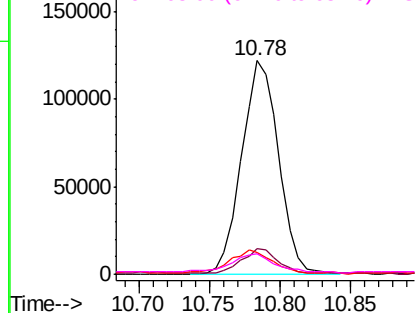
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

Instrument :
BNA_G
ClientSampleId :
DRUM-1-1

Tot Ion:	136	Resp:	224225
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.6	13.0
54	10.4	4.8	7.2#
68	9.5	5.2	7.8#

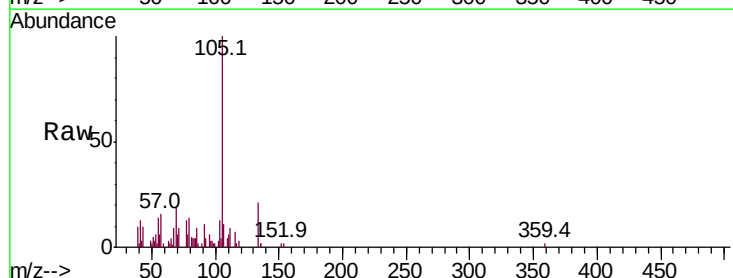


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

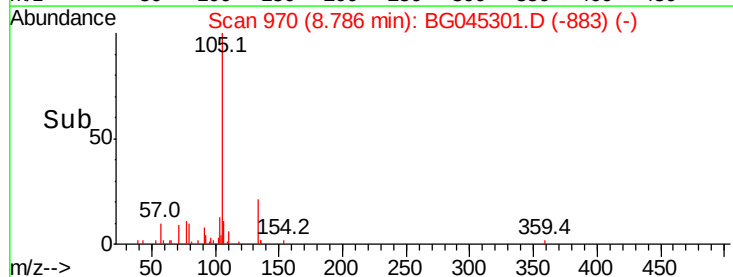
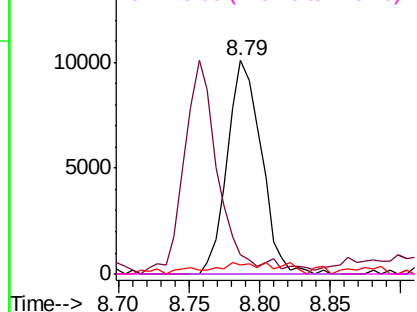


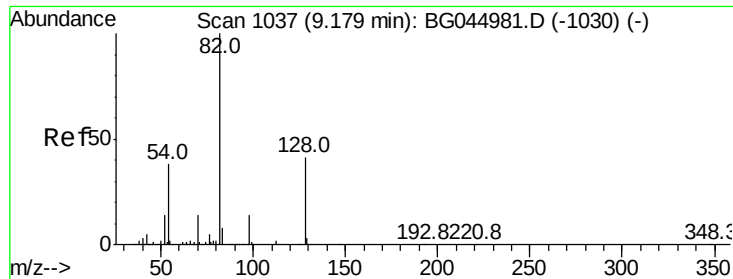
#22
Acetophenone
Concen: 2.807 ng
RT: 8.79 min Scan# 970
Delta R.T. -0.02 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

Tgt Ion:	105	Resp:	17019
Ion	Ratio	Lower	Upper
105	100		
71	9.0	3.3	4.9#
51	4.5	17.3	25.9#
120	0.0	18.4	27.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

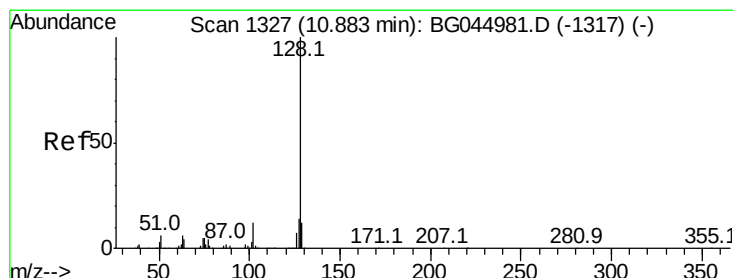
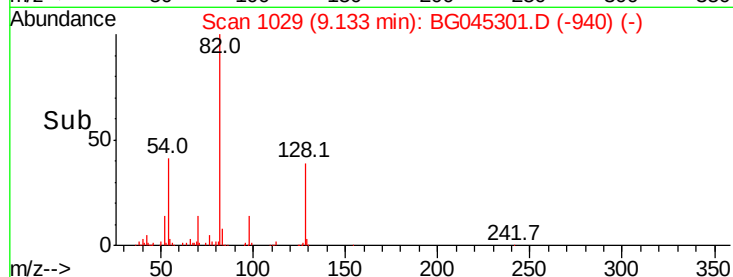
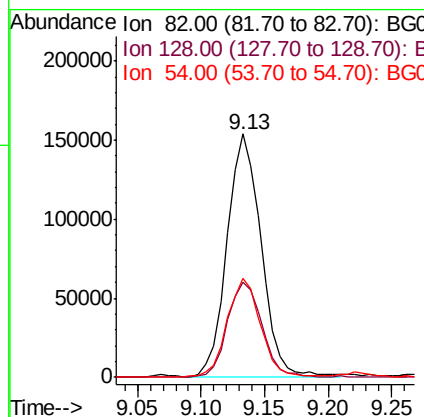
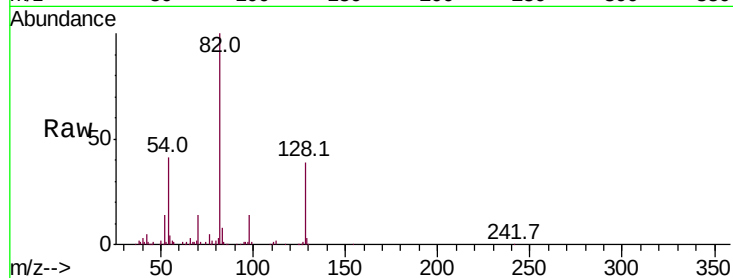




#23
 Nitrobenzene-d5
 Concen: 57.718 ng
 RT: 9.13 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG045301.D
 Acq: 11 May 2020 18:04

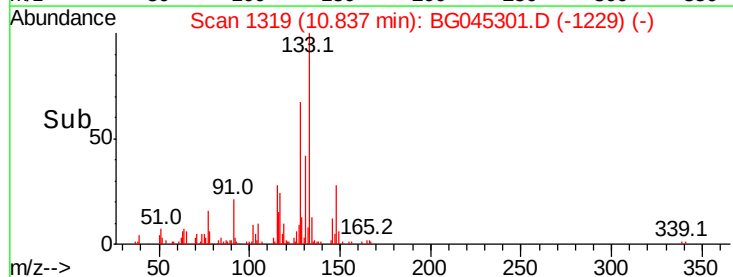
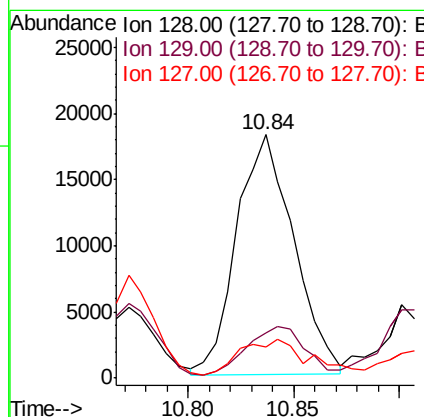
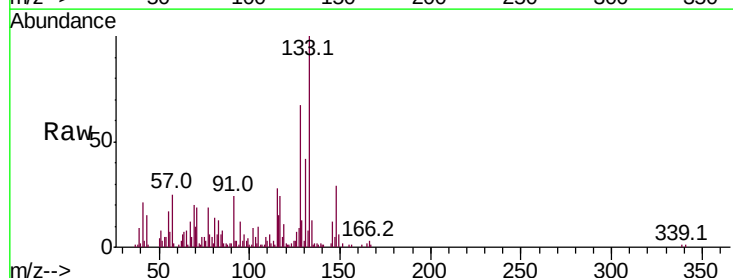
Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-1

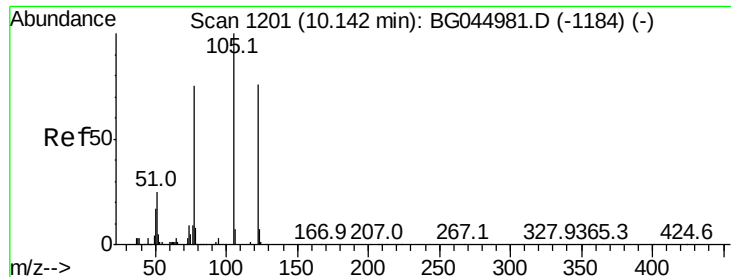
Tot Ion	82	Resp	283634
Ion	Ratio	Lower	Upper
82	100		
128	38.9	33.0	49.4
54	40.9	30.4	45.6



#31
 Naphthalene
 Concen: 2.776 ng
 RT: 10.84 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BG045301.D
 Acq: 11 May 2020 18:04

Tgt Ion	128	Resp	34054
Ion	Ratio	Lower	Upper
128	100		
129	18.7	9.4	14.2#
127	13.0	10.8	16.2





#32

Benzoic acid

Concen: 6.429 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

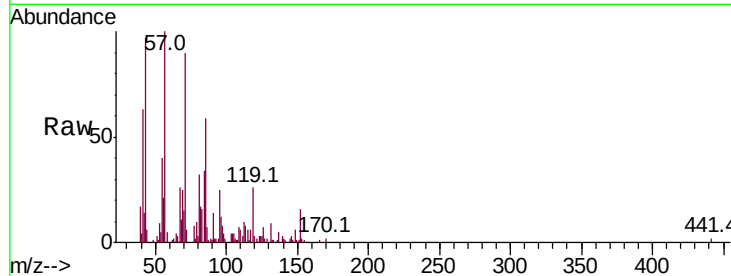
Tot Ion:122 Resp: 178

Ion Ratio Lower Upper

122 100

105 227.5 108.4 148.4#

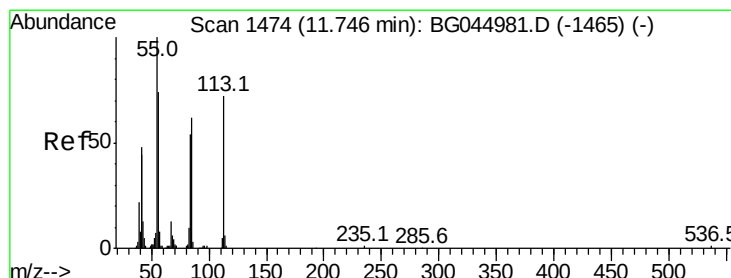
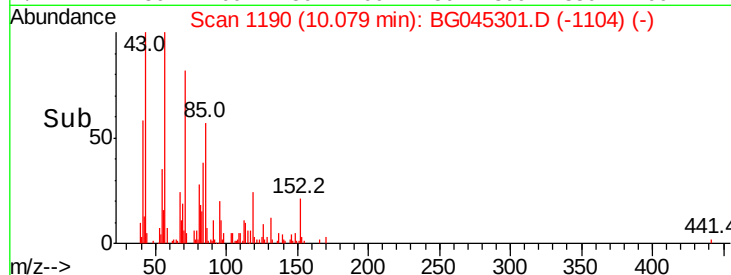
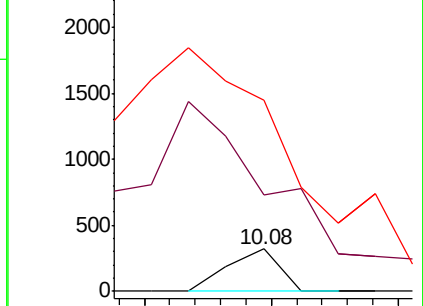
77 453.8 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#35

Caprolactam

Concen: 4.337 ng

RT: 11.72 min Scan# 1469

Delta R.T. 0.02 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

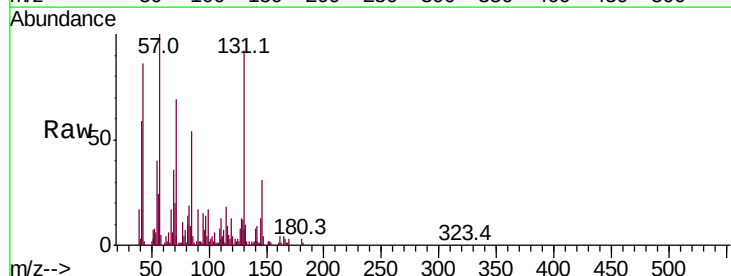
Tgt Ion:113 Resp: 6862

Ion Ratio Lower Upper

113 100

55 543.7 118.8 158.8#

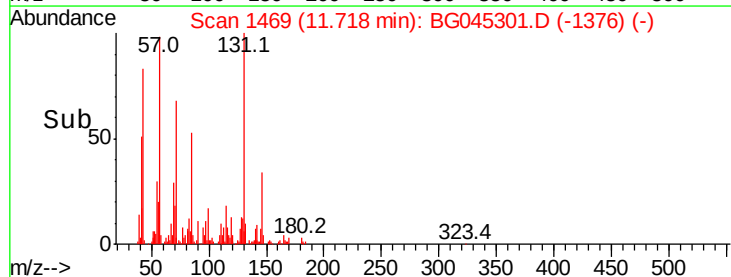
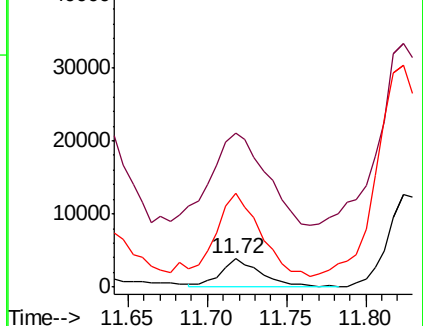
56 333.2 82.6 122.6#

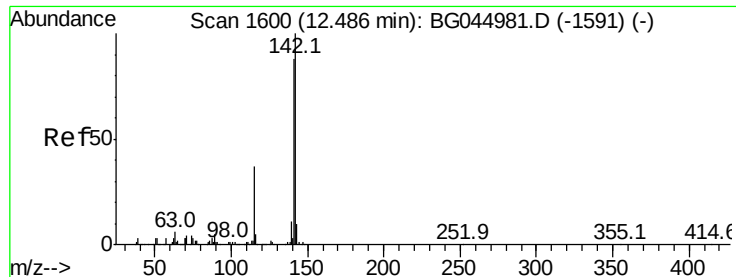


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

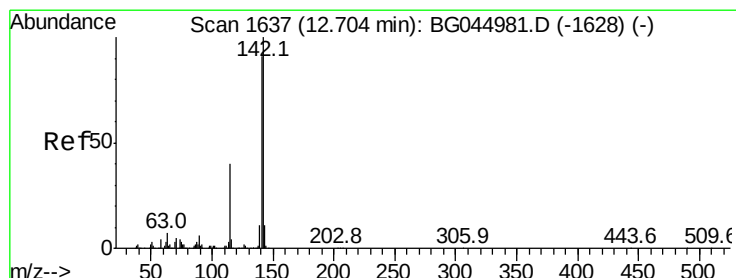
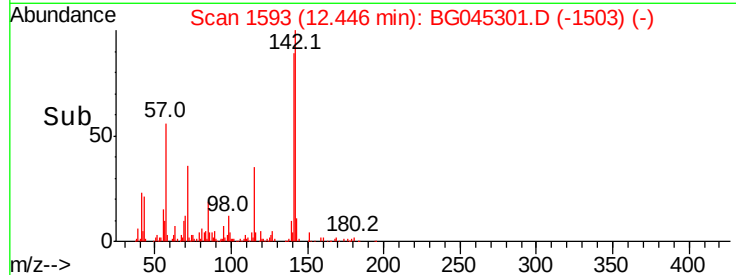
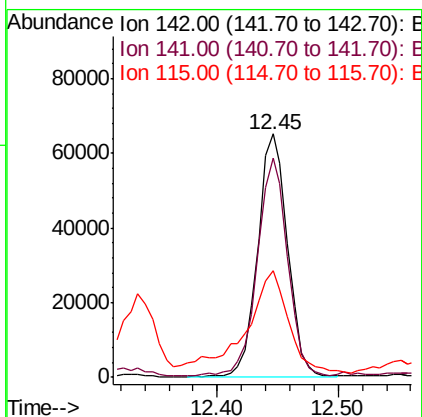
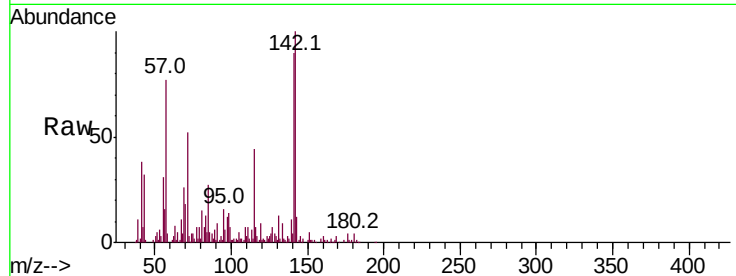




#37
2-Methylnaphthalene
Concen: 11.749 ng
RT: 12.45 min Scan# 1593
Delta R.T. -0.00 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

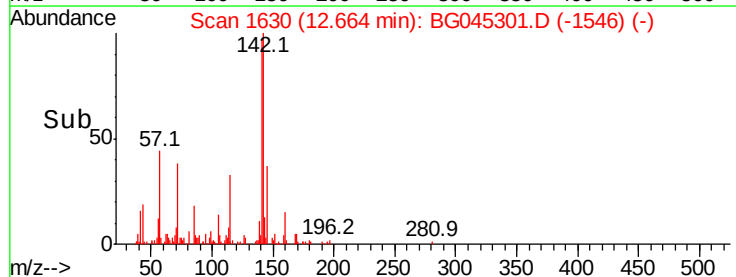
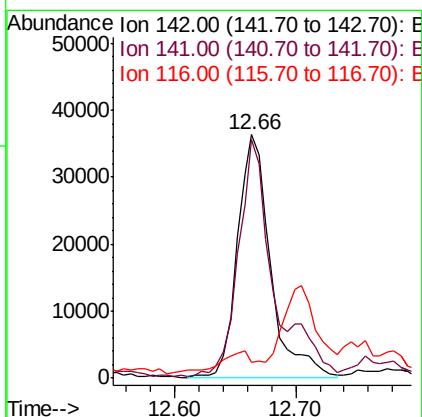
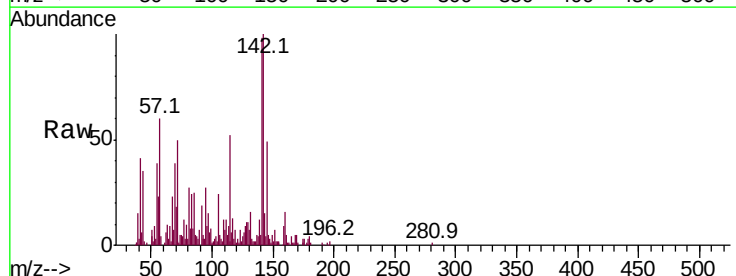
Instrument :
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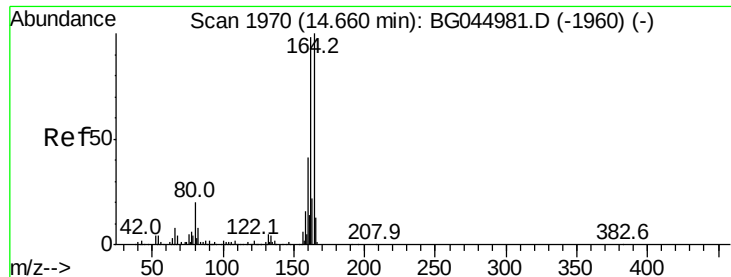
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	43.7	29.8	44.6



#38
1-Methylnaphthalene
Concen: 7.743 ng
RT: 12.66 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.1	72.7	109.1
116	6.4	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

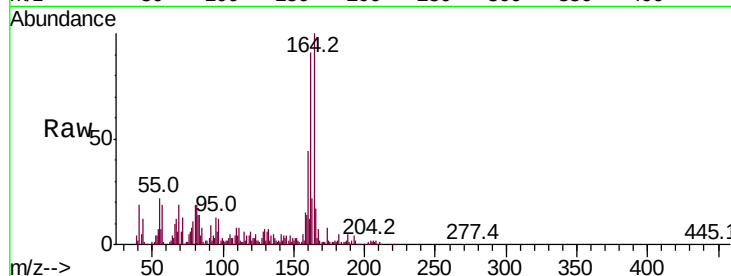
Tot Ion:164 Resp: 155497

Ion Ratio Lower Upper

164 100

162 91.3 78.7 118.1

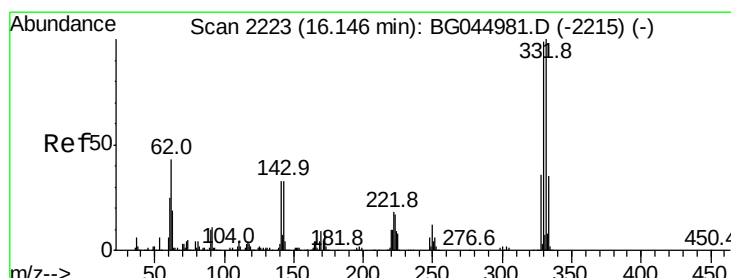
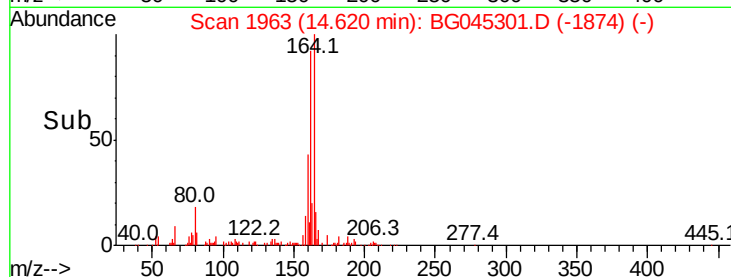
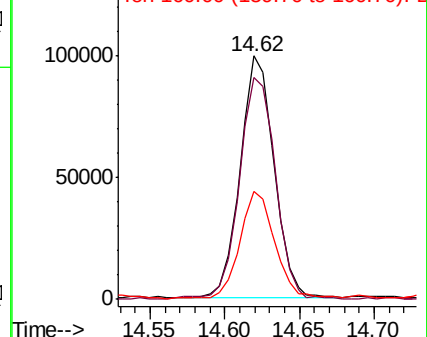
160 44.3 32.8 49.2



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: 77.274 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

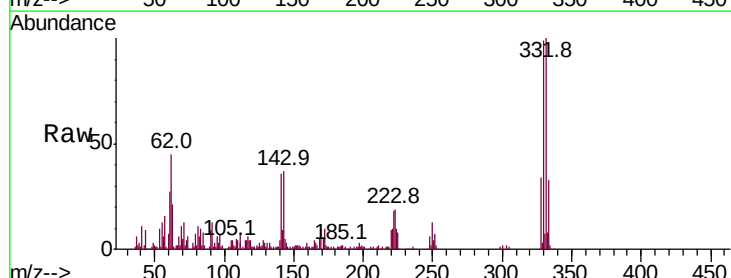
Tgt Ion:330 Resp: 185630

Ion Ratio Lower Upper

330 100

332 97.2 79.1 118.7

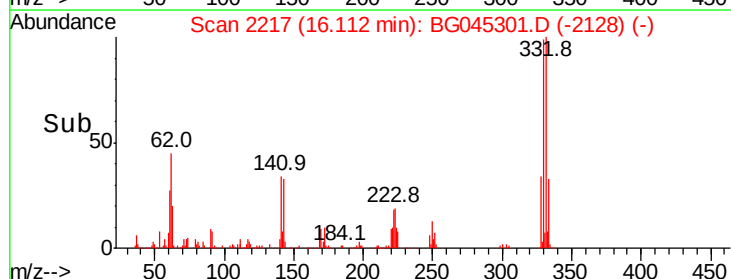
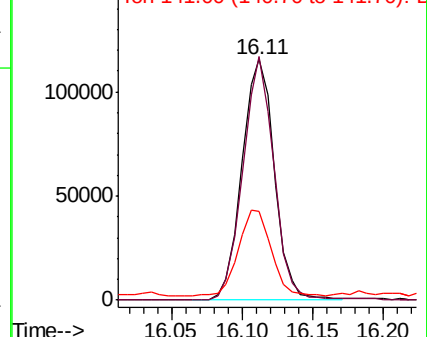
141 35.6 27.1 40.7

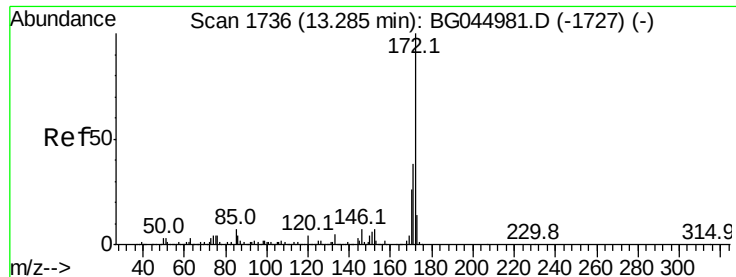


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

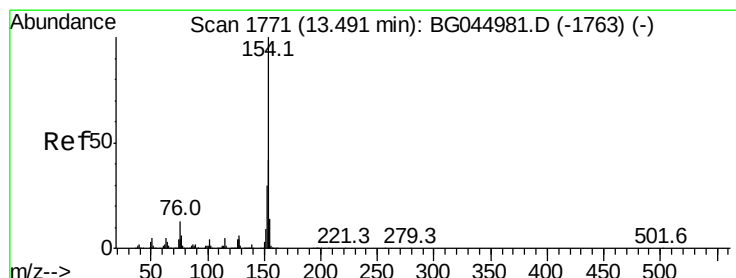
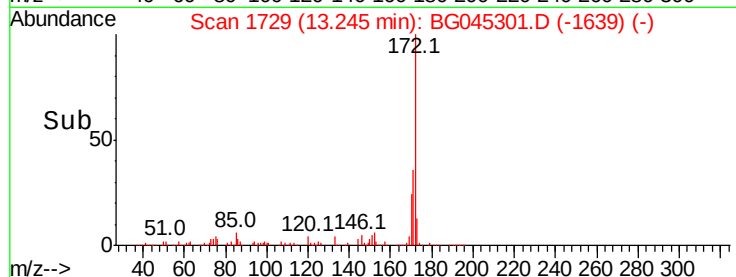
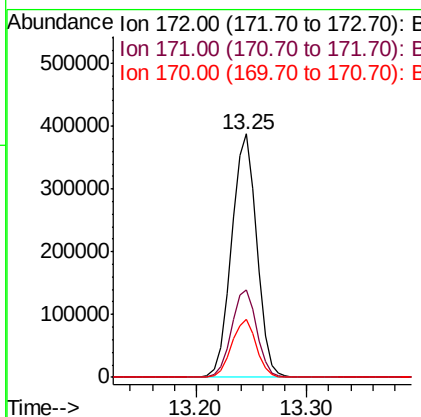
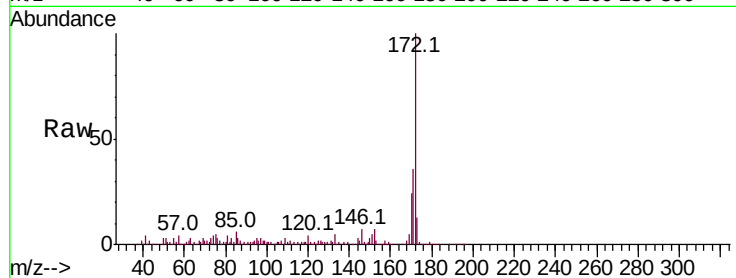




#45
2-Fluorobiphenyl
Concen: 58.717 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

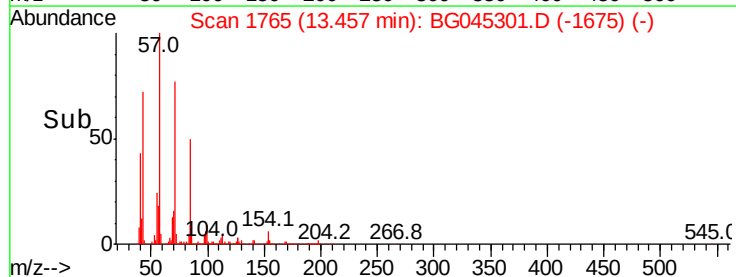
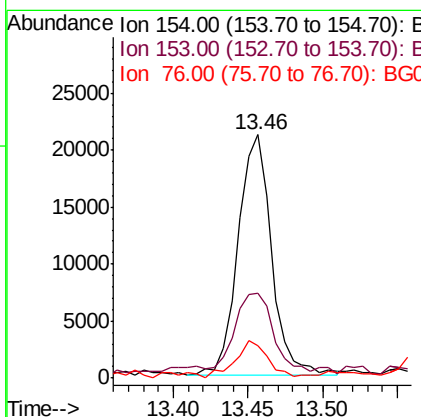
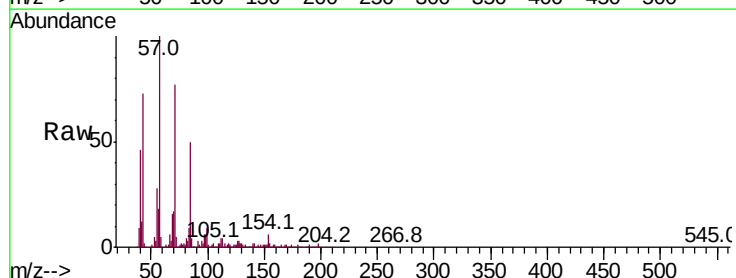
Instrument :
BNA_G
ClientSampleId :
DRUM-1-1

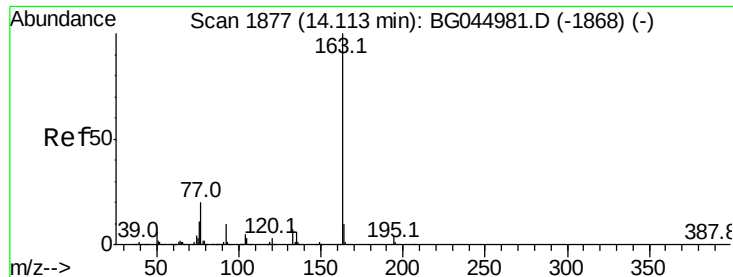
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	46.0
170	23.8	20.5	30.7



#46
1,1'-Biphenyl
Concen: 2.758 ng
RT: 13.46 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BG045301.D
Acq: 11 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	35.1	21.9	61.9
76	13.1	0.0	33.1





#50

Dimethylphthalate

Concen: 5.163 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

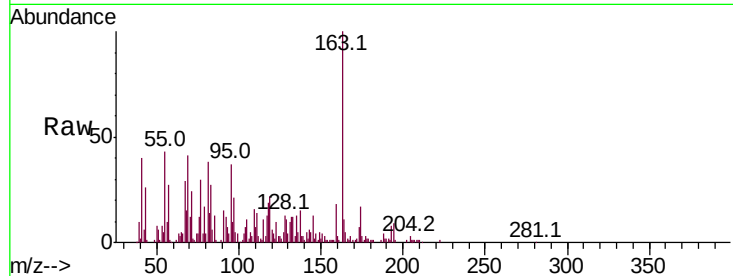
Tot Ion:163 Resp: 65368

Ion Ratio Lower Upper

163 100

194 9.4 3.5 5.3#

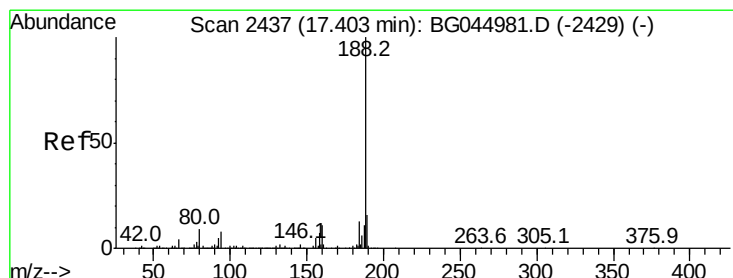
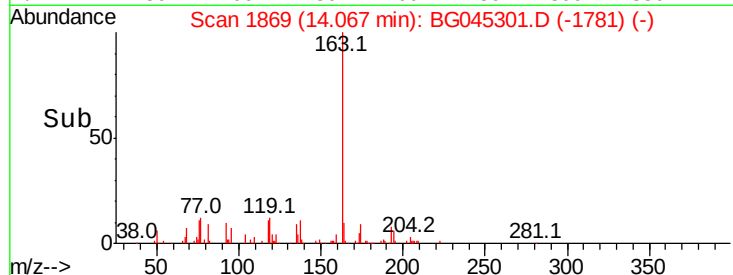
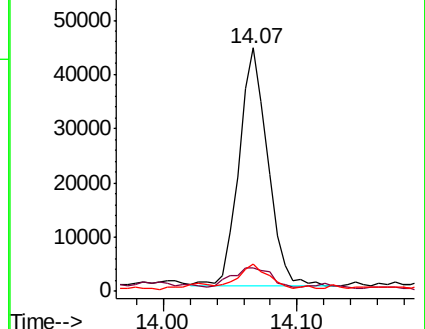
164 11.3 8.2 12.4



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

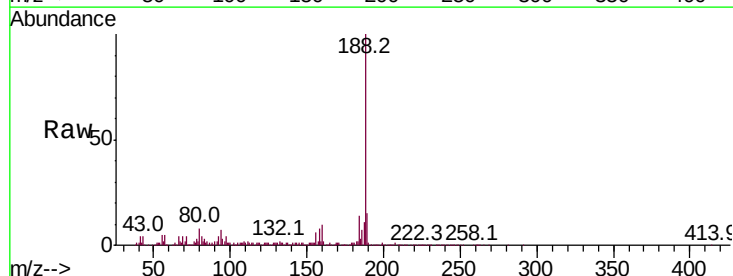
Tgt Ion:188 Resp: 354598

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

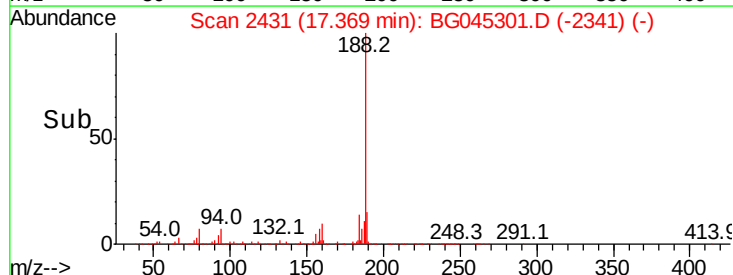
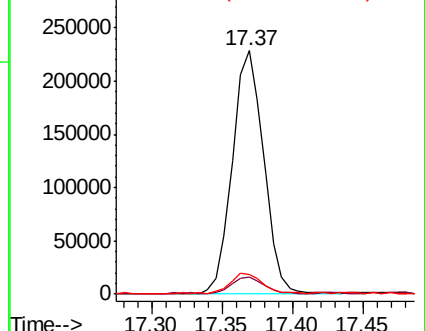
80 7.8 7.0 10.6

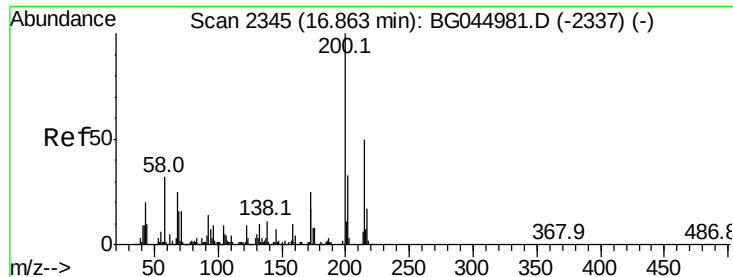


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

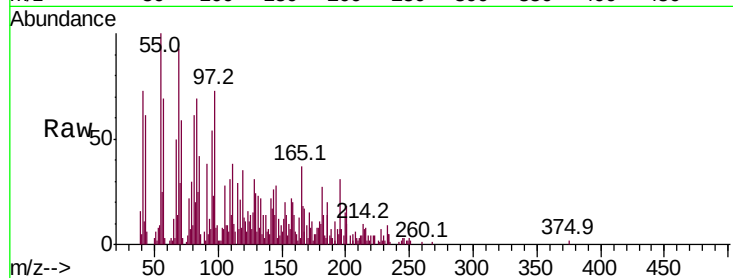
Tot Ion:200 Resp: 2721

Ion Ratio Lower Upper

200 100

173 63.4 4.5 44.5#

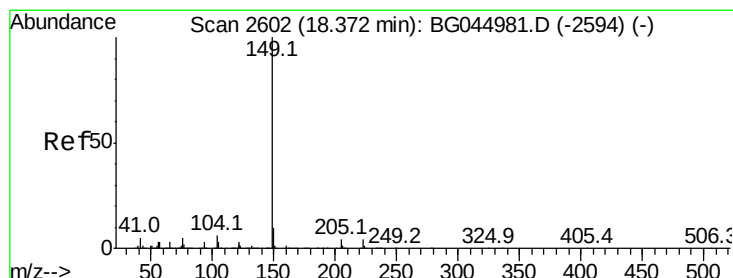
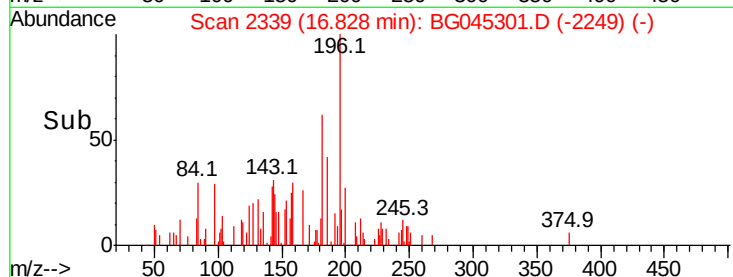
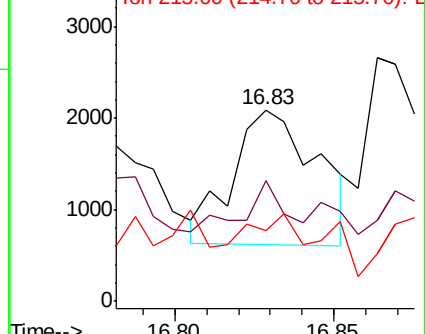
215 37.0 30.0 70.0



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

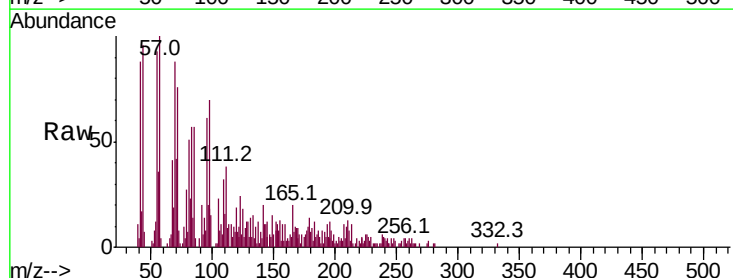
Tgt Ion:149 Resp: 1099

Ion Ratio Lower Upper

149 100

150 43.5 8.2 12.2#

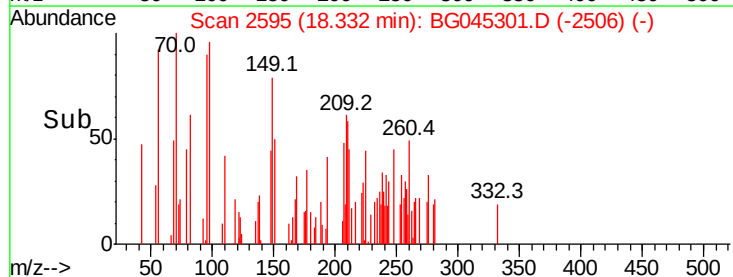
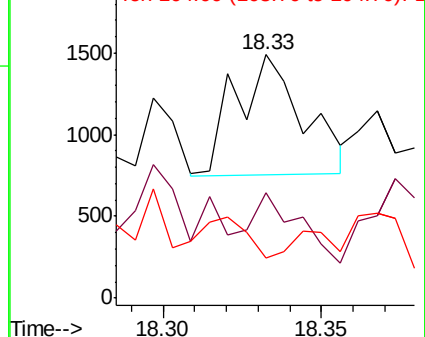
104 16.6 4.8 7.2#

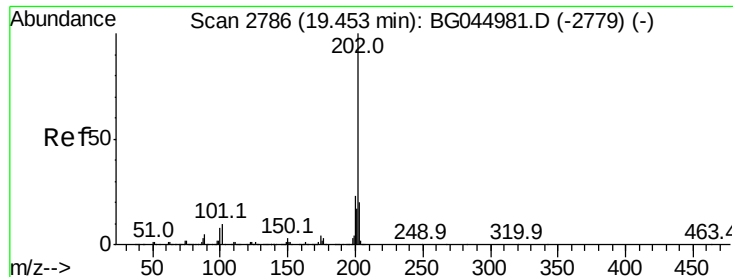


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.78 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

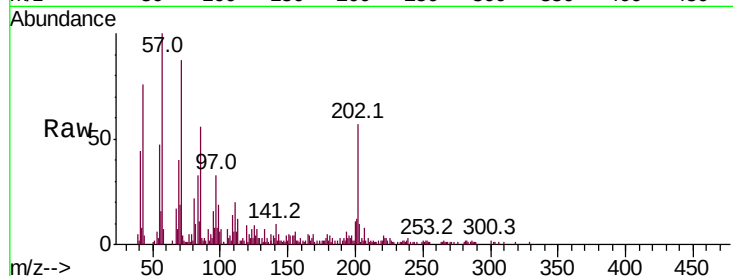
Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

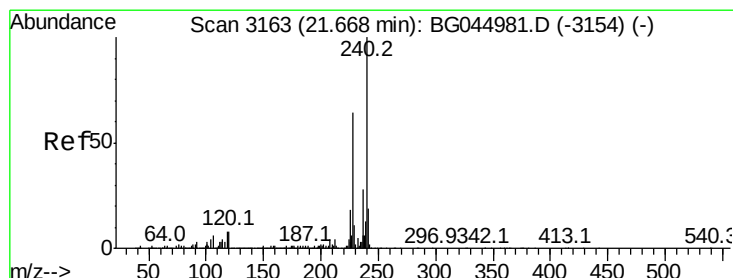
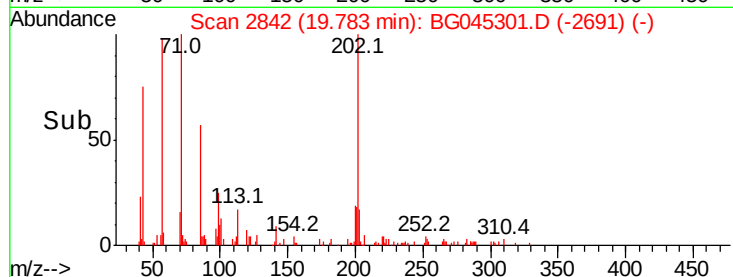
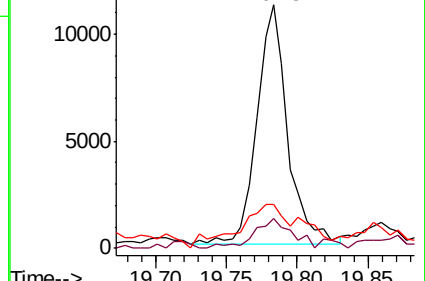
Tot Ion:	202	Resp:	17015
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	29.6
203	18.1	0.0	39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

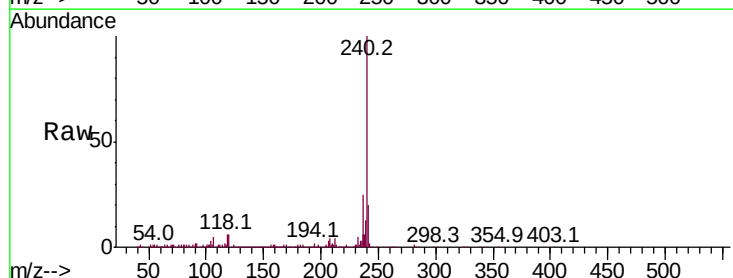
RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

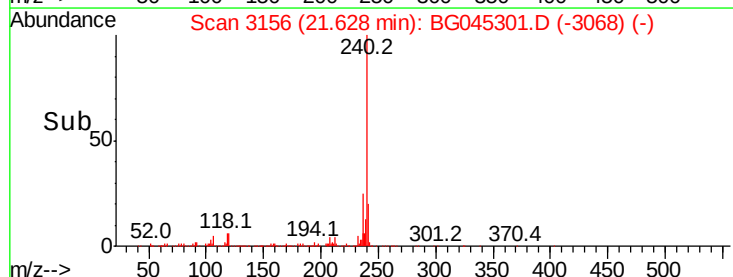
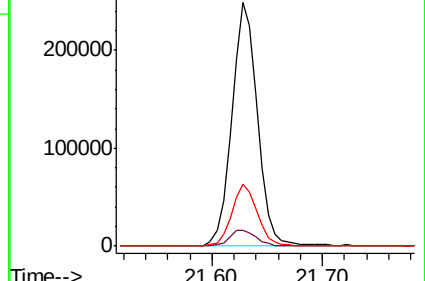
Tgt Ion:	240	Resp:	404763
Ion	Ratio	Lower	Upper
240	100		
120	6.4	6.6	10.0#
236	25.4	22.2	33.2

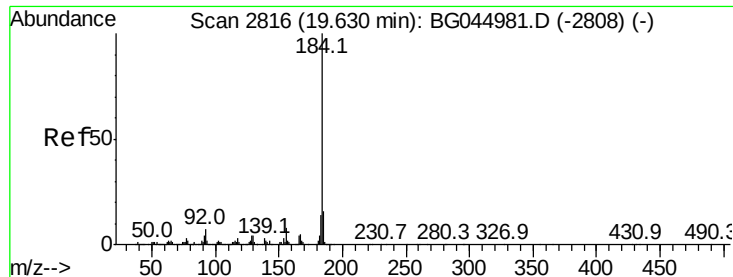


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.77 min Scan# 2839

Delta R.T. 0.16 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

Instrument :

BNA_G

ClientSampleId :

DRUM-1-1

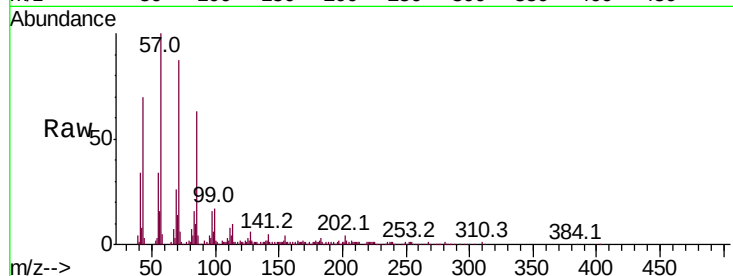
Tot Ion:184 Resp: 649

Ion Ratio Lower Upper

184 100

185 54.2 12.6 19.0#

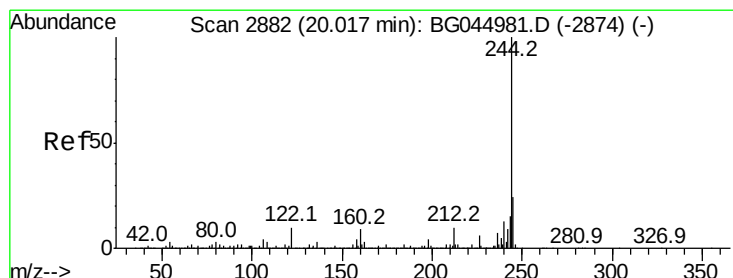
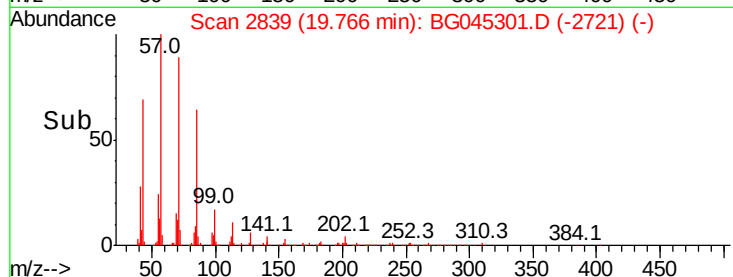
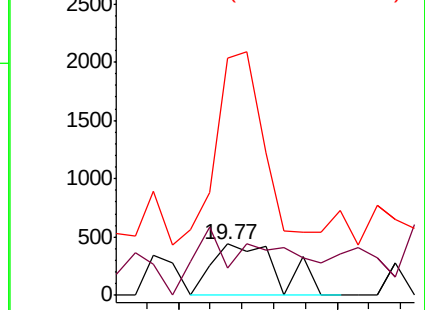
183 461.2 11.3 16.9#



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: 60.188 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045301.D

Acq: 11 May 2020 18:04

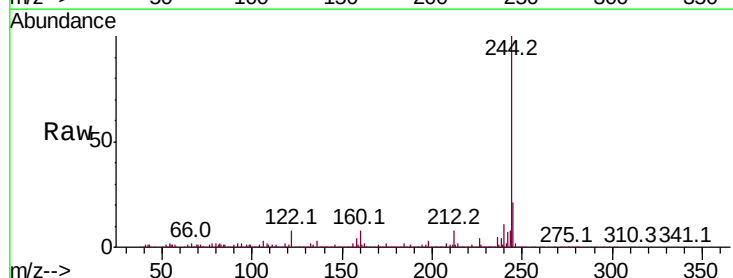
Tgt Ion:244 Resp: 1117737

Ion Ratio Lower Upper

244 100

212 8.4 7.9 11.9

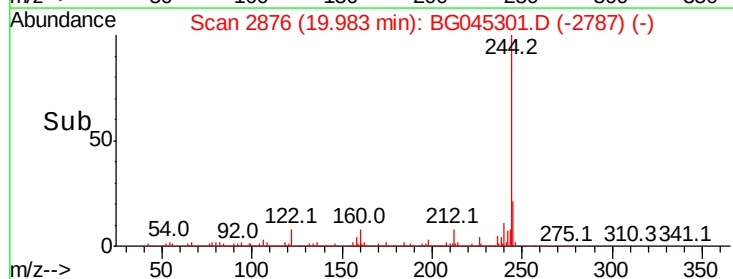
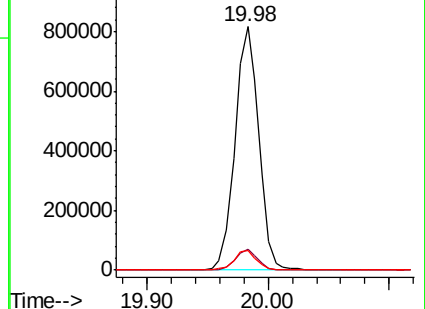
122 8.0 7.7 11.5

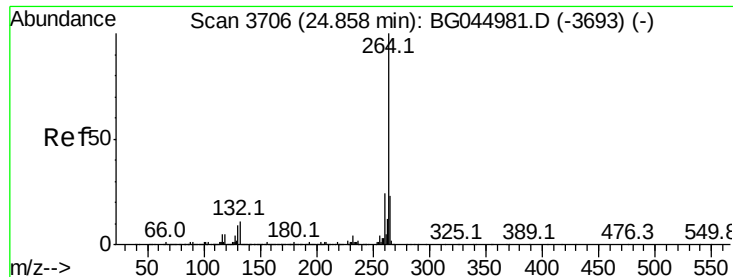


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.79 min Scan# 3695
 Delta R.T. -0.01 min
 Lab File: BG045301.D
 Acq: 11 May 2020 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	19.0	28.4

