

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045351.D
 Acq On : 13 May 2020 7:03
 Operator : CG/JU
 Sample : L2592-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 13 07:40:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:48:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	61487	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	241452	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	166036	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	416954	20.00	ng	0.00
76) Chrysene-d12	21.62	240	427865	20.00	ng	0.00
87) Perylene-d12	24.78	264	458529	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	267933	71.94	ng	0.00
7) Phenol-d6	7.14	99	247635	44.75	ng	0.00
23) Nitrobenzene-d5	9.13	82	457884	86.53	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	363604	141.75	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1045502	92.33	ng	0.00
79) Terphenyl-d14	19.98	244	1974343	100.57	ng	0.00

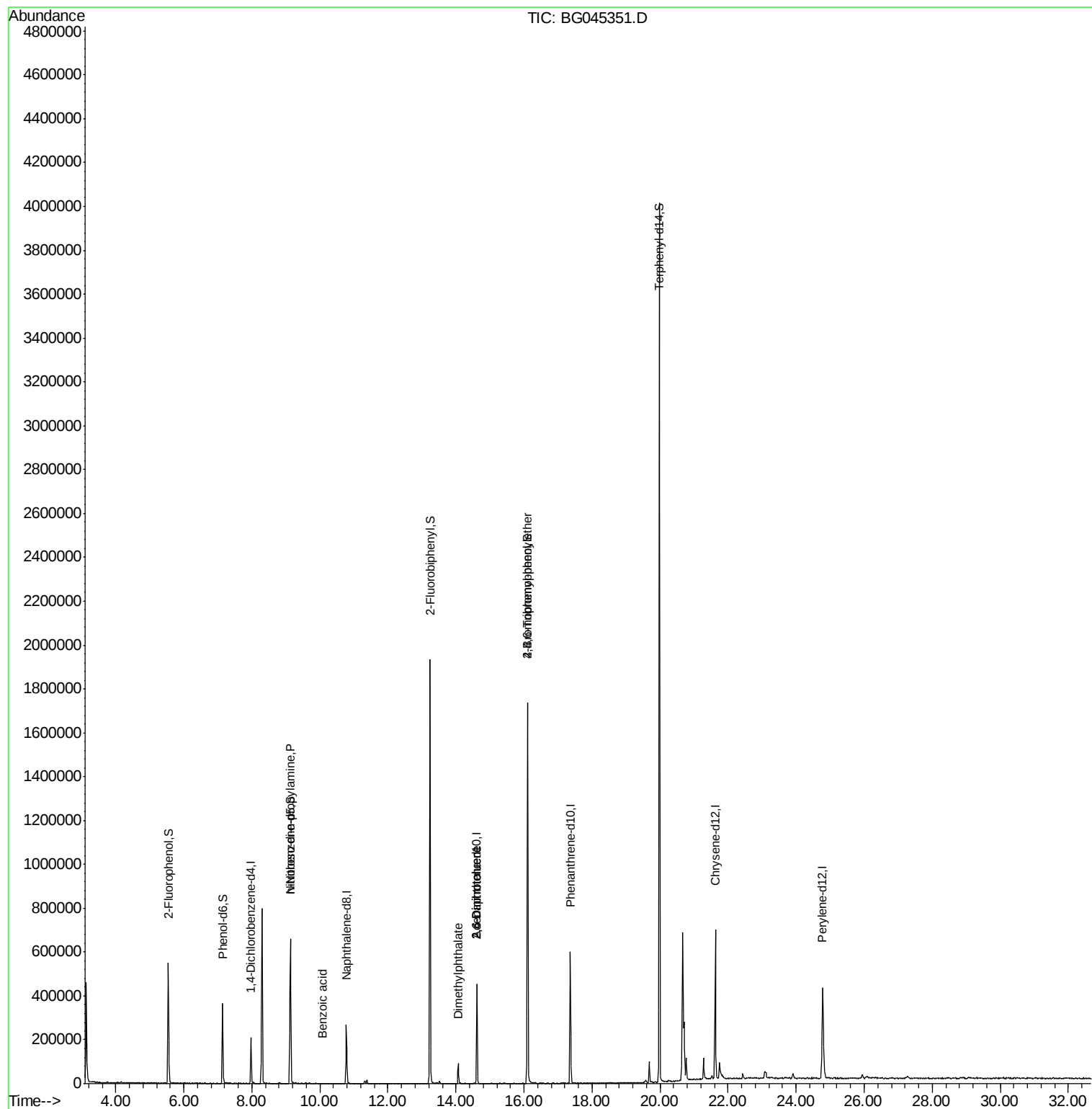
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	767	Below Cal	#	29
19) n-Nitroso-di-n-propylamine	9.13	70	60662	15.502	ng	80
32) Benzoic acid	10.08	122	71	6.394	ng	1
50) Dimethylphthalate	14.06	163	66151	4.893	ng	99
51) 2,6-Dinitrotoluene	14.61	165	22498	7.440	ng	25
57) 2,4-Dinitrotoluene	14.61	165	22498	5.091	ng	22
67) 4-Bromophenyl-phenylether	16.10	248	25876	4.811	ng	1
69) Atrazine	16.56	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	2620	Below Cal	#	93
75) Fluoranthene	19.42	202	143	Below Cal	#	62
77) Benzidine	19.98	184	38633	Below Cal	#	87

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

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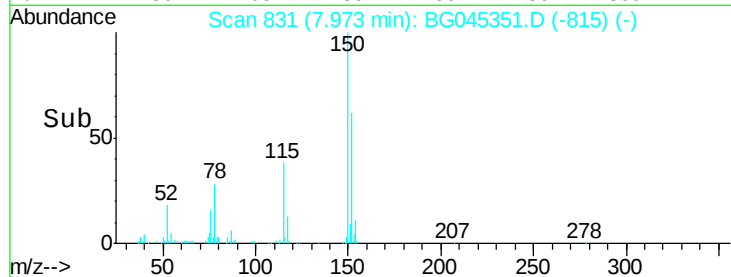
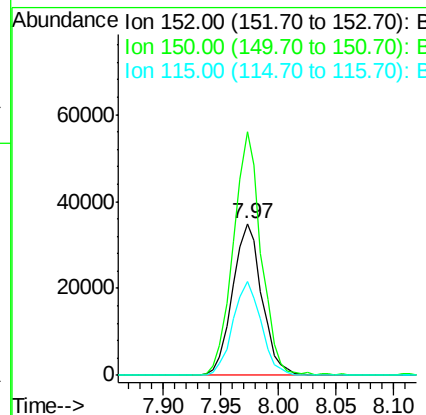
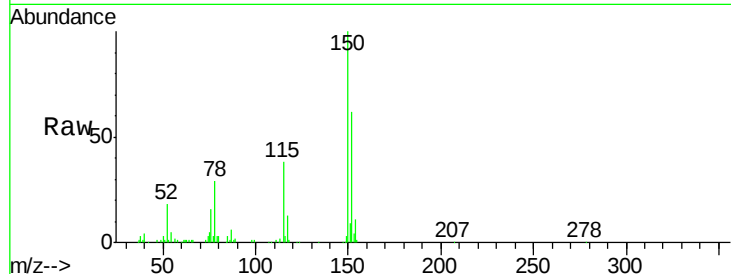


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045351.D
Acq: 13 May 2020 7:03

Instrument :
BNA_G
ClientSampleId :

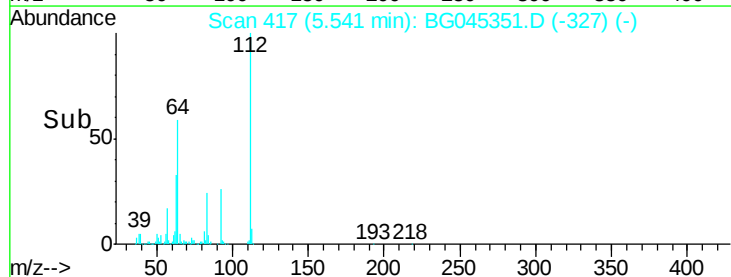
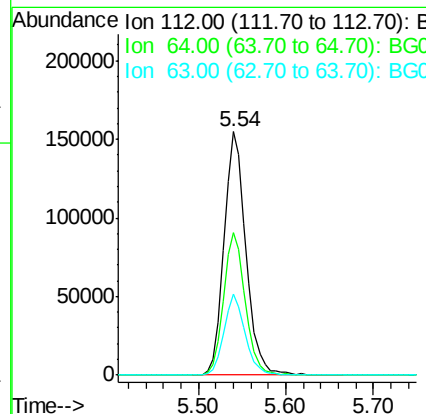
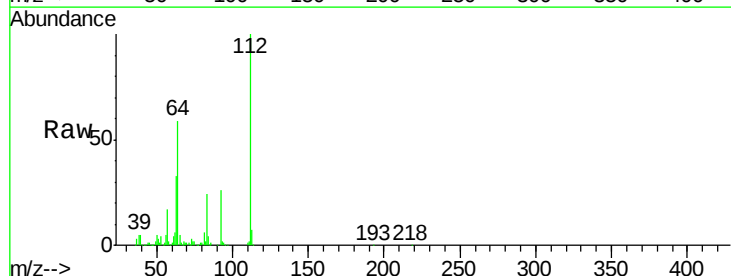
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	123.6	185.4
115	61.5	49.1	73.7



#5

2-Fluorophenol
Concen: 71.941 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045351.D
Acq: 13 May 2020 7:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	42.4	63.6
63	33.3	23.1	34.7





#7

Phenol-d6

Concen: 44.752 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

Instrument :

BNA_G

ClientSampleId :

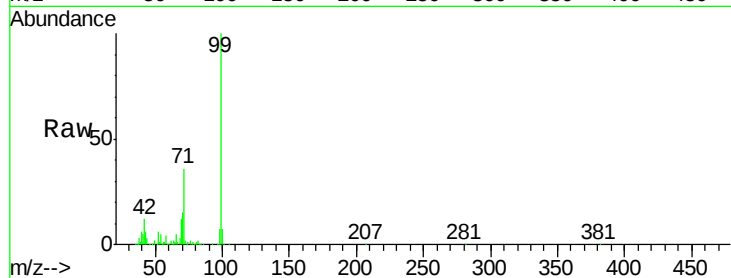
Tot Ion: 99 Resp: 247635

Ion Ratio Lower Upper

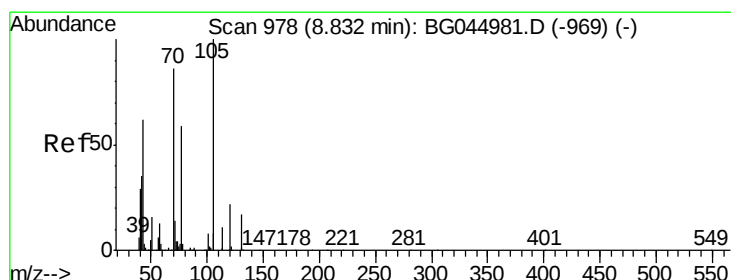
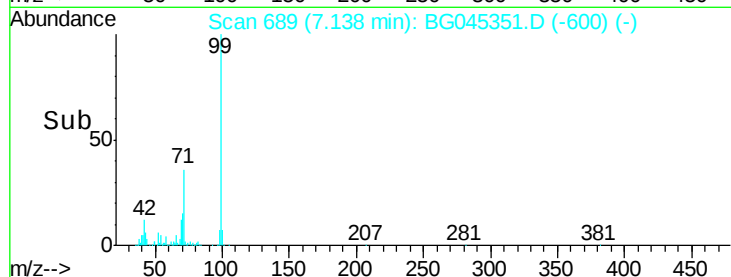
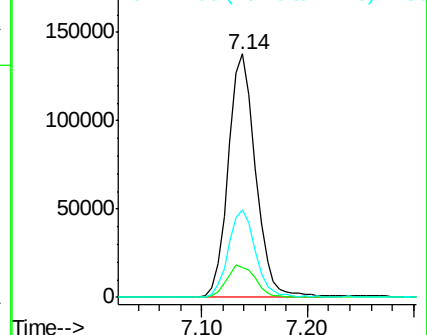
99 100

42 12.4 11.3 16.9

71 35.9 28.3 42.5



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: 15.502 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

Tgt Ion: 70 Resp: 60662

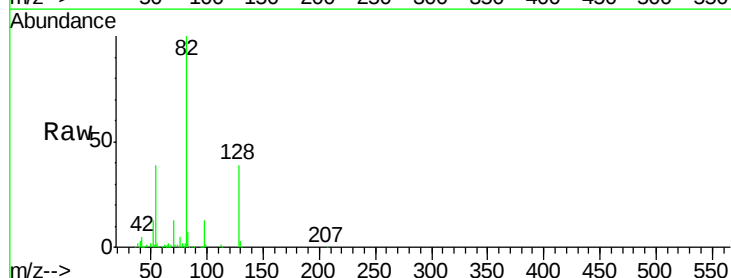
Ion Ratio Lower Upper

70 100

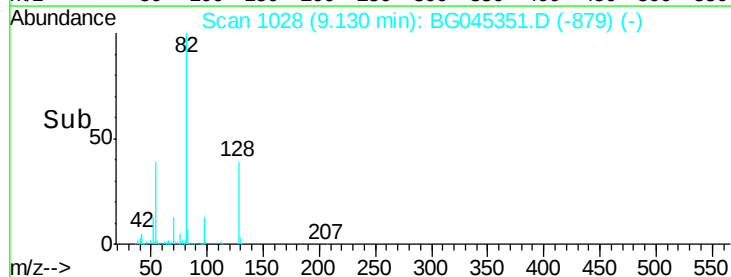
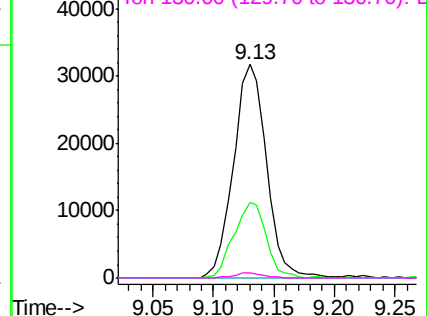
42 35.6 33.3 49.9

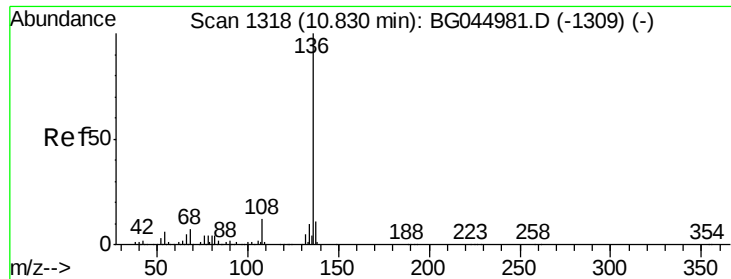
101 0.0 7.8 11.8#

130 2.1 15.8 23.6#



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

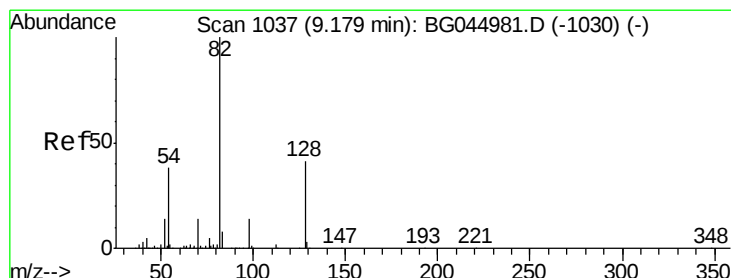
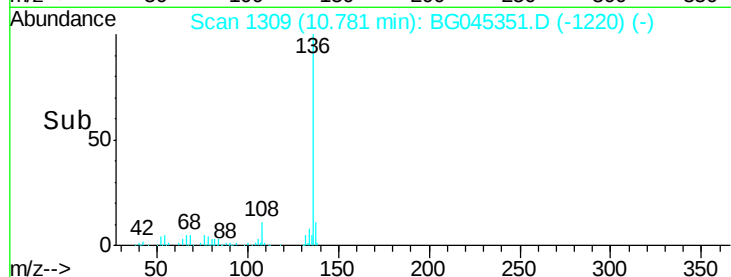
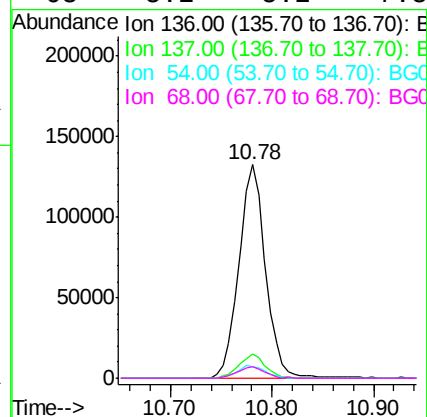
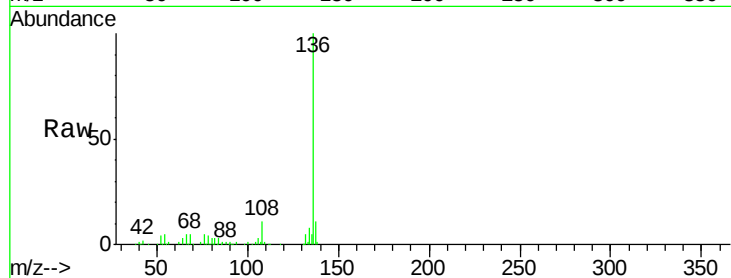




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045351.D
Acq: 13 May 2020 7:03

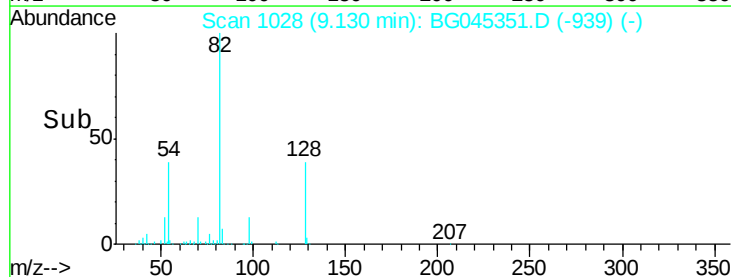
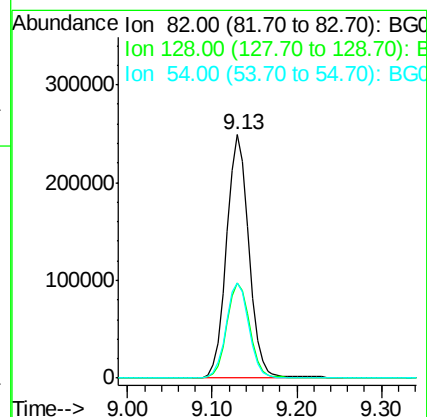
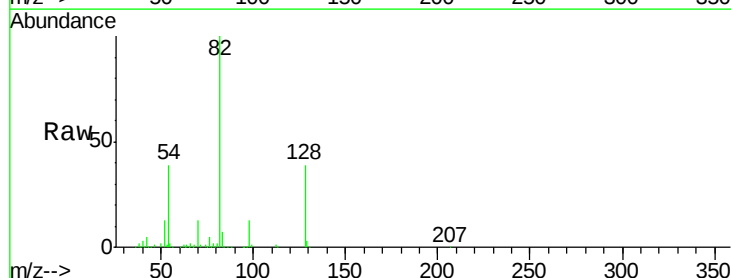
Instrument :
BNA_G
ClientSampleId :

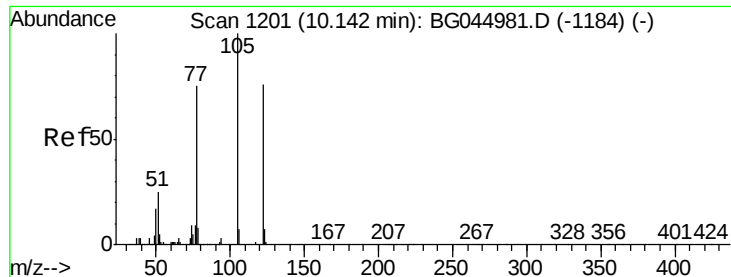
Tot Ion:136	Resp:	241452
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.6 13.0
54	5.4	4.8 7.2
68	5.2	5.2 7.8



#23
Nitrobenzene-d5
Concen: 86.529 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045351.D
Acq: 13 May 2020 7:03

Tgt Ion: 82	Resp:	457884
Ion Ratio	Lower	Upper
82	100	
128	39.1	33.0 49.4
54	39.3	30.4 45.6





#32

Benzoic acid

Concen: 6.394 ng

RT: 10.08 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BG045351.D

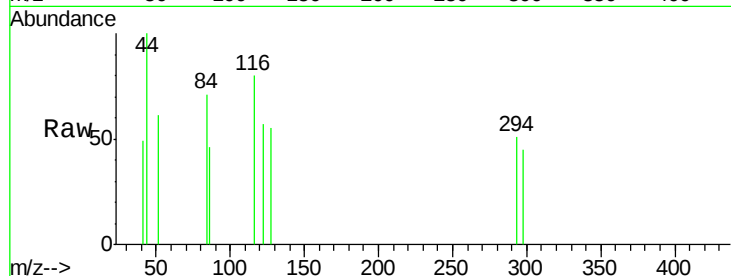
Acq: 13 May 2020 7:03

Instrument :

BNA_G

ClientSampleId :

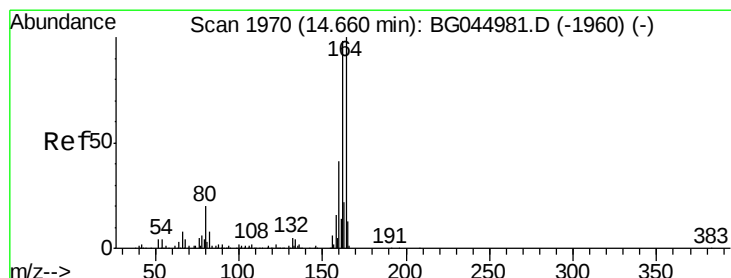
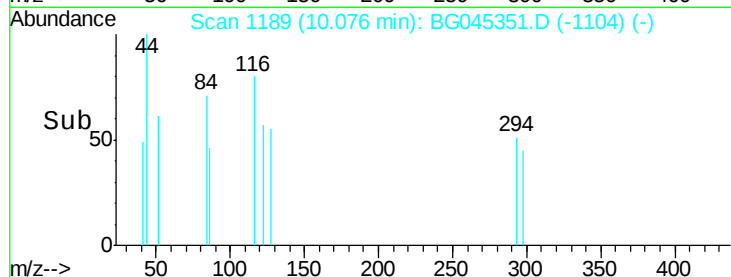
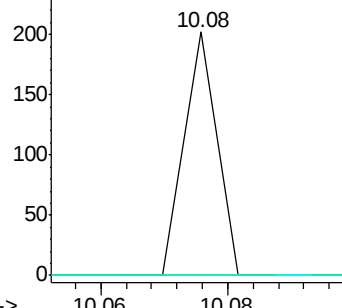
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

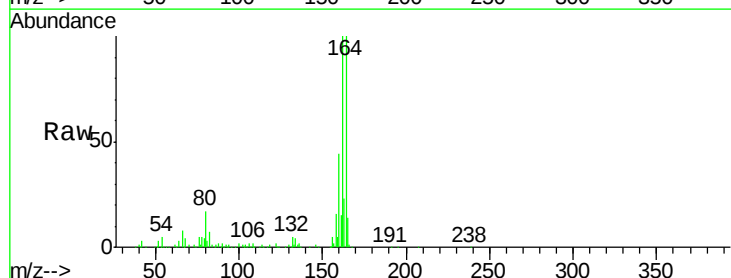
RT: 14.62 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

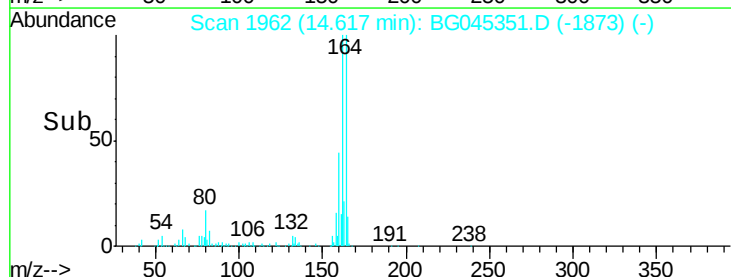
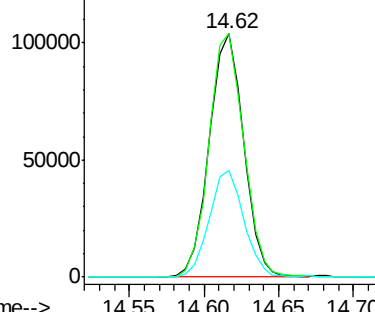
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	78.7	118.1
160	43.8	32.8	49.2

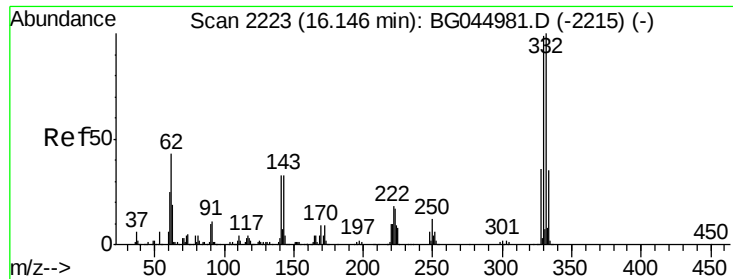


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

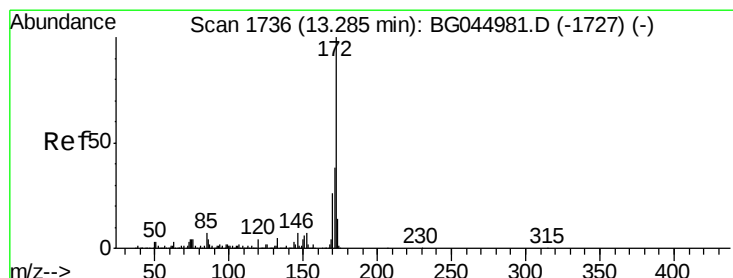
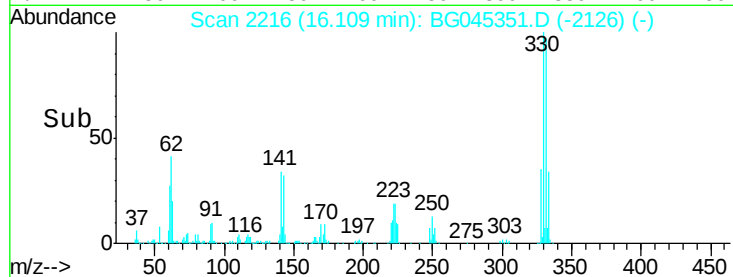
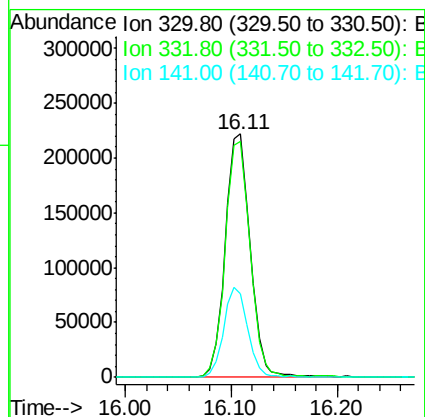
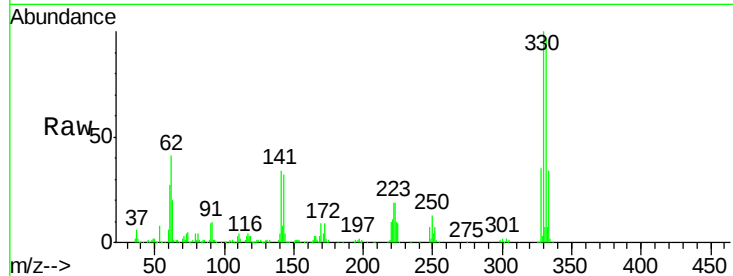




#42
 2,4,6-Tribromophenol
 Concen: 141.754 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: BG045351.D
 Acq: 13 May 2020 7:03

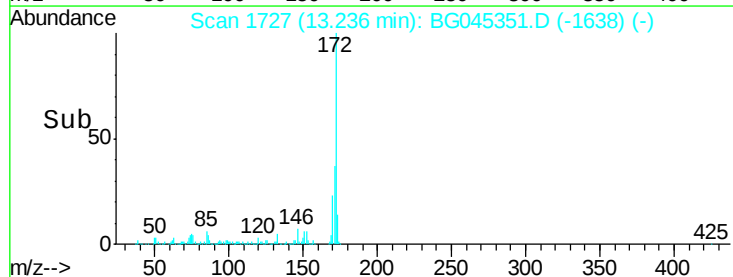
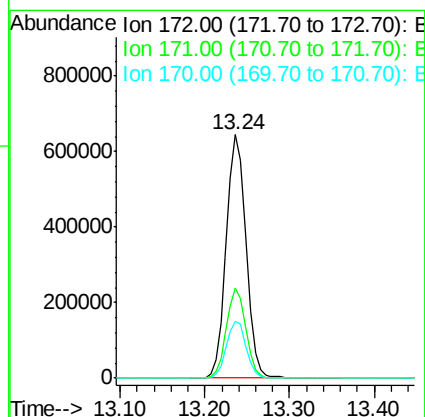
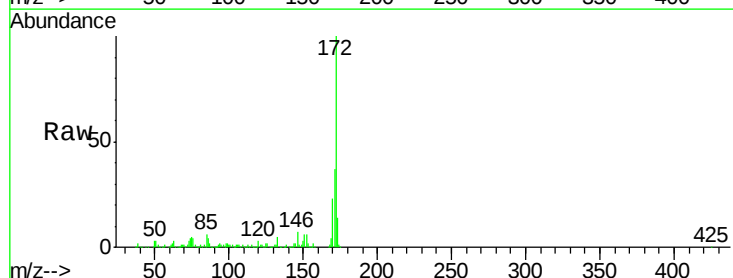
Instrument :
 BNA_G
 ClientSampled :

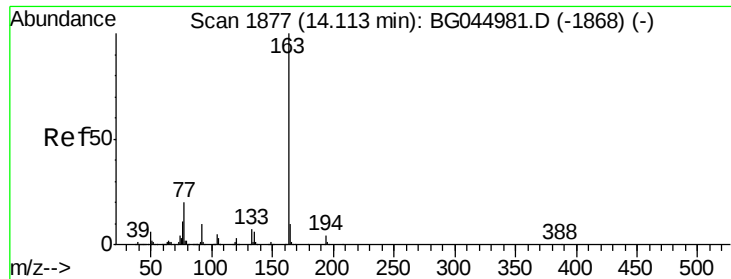
Tot Ion:330 Resp: 363604
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.1 118.7
 141 36.0 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 92.332 ng
 RT: 13.24 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG045351.D
 Acq: 13 May 2020 7:03

Tgt Ion:172 Resp: 1045502
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.6 46.0
 170 23.3 20.5 30.7





#50

Dimethylphthalate

Concen: 4.893 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

Instrument :

BNA_G

ClientSampled :

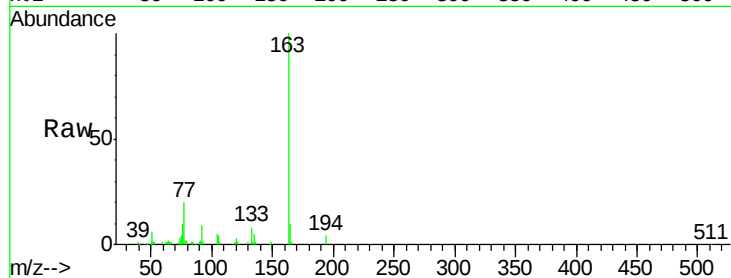
Tot Ion:163 Resp: 66151

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

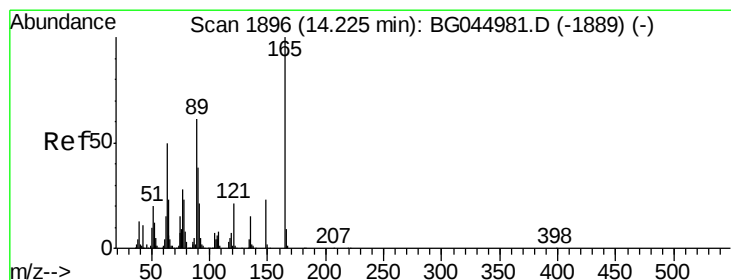
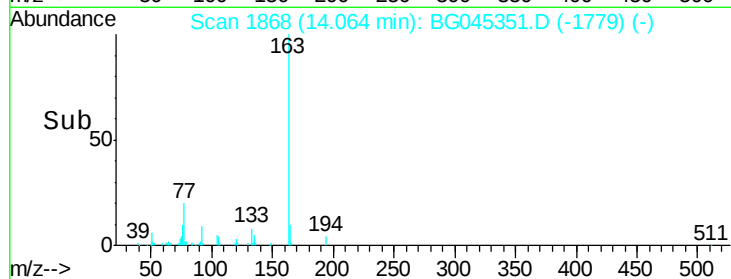
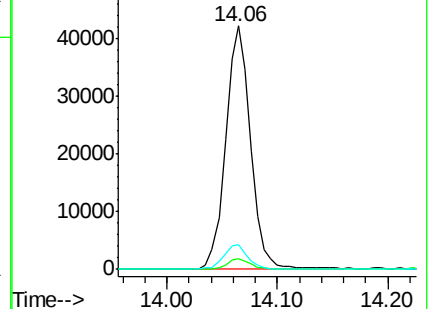
164 9.9 8.2 12.4



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



#51

2,6-Dinitrotoluene

Concen: 7.440 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.42 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

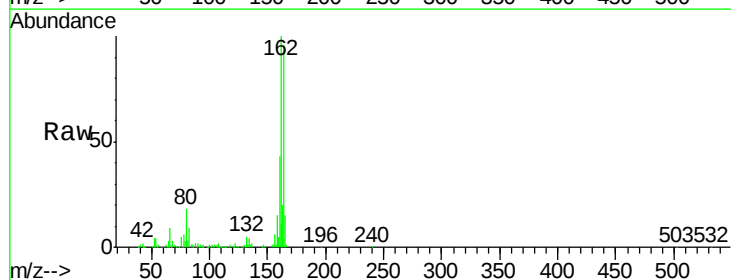
Tgt Ion:165 Resp: 22498

Ion Ratio Lower Upper

165 100

63 1.3 40.4 60.6#

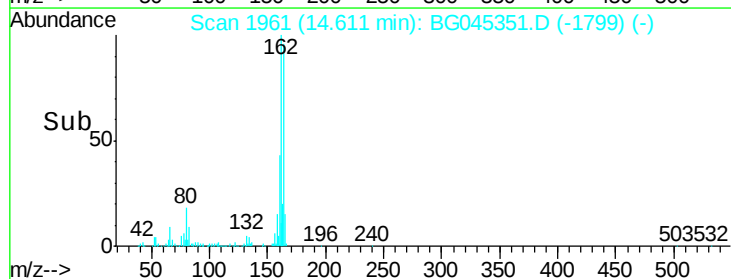
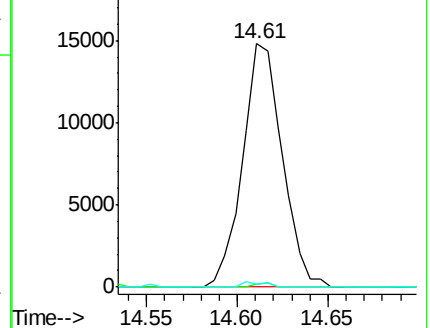
89 1.1 49.1 73.7#

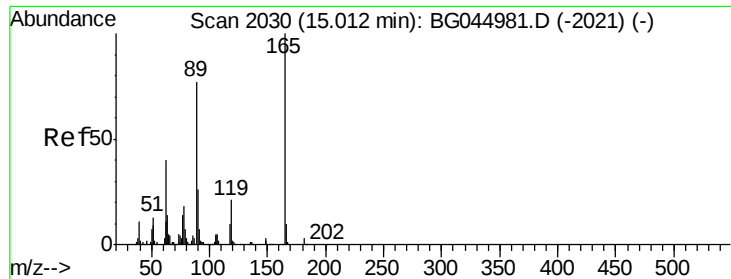


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

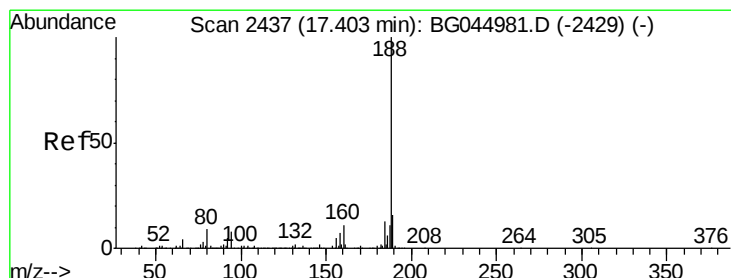
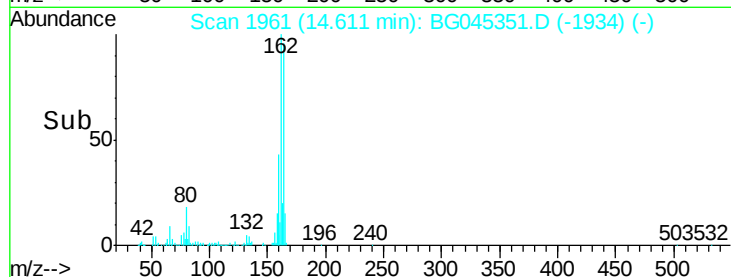
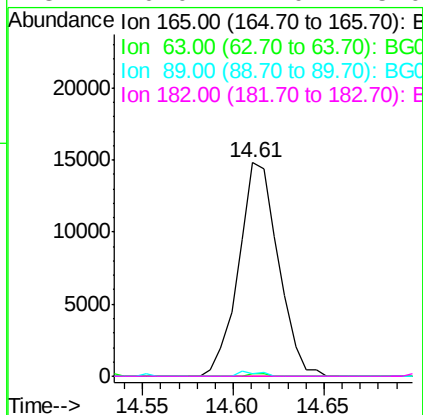
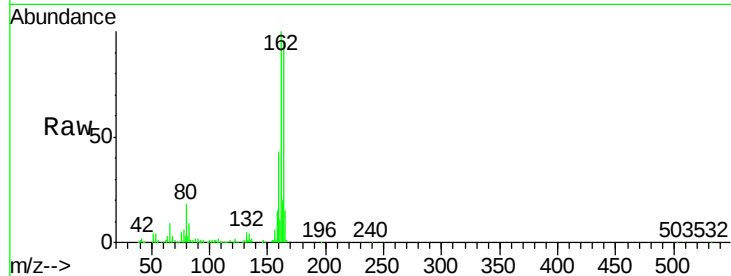




#57
 2,4-Dinitrotoluene
 Concen: 5.091 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.37 min
 Lab File: BG045351.D
 Acq: 13 May 2020 7:03

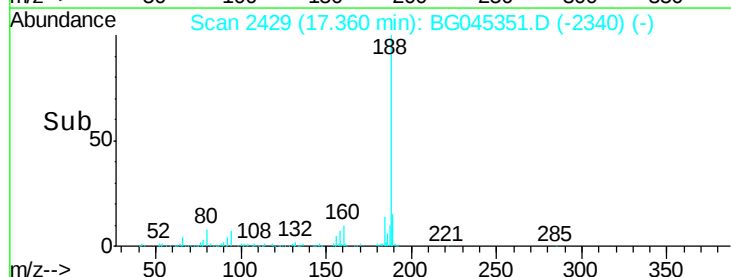
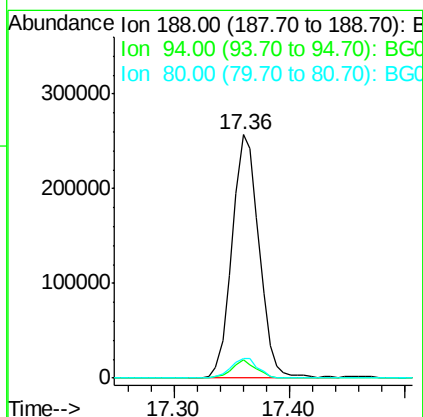
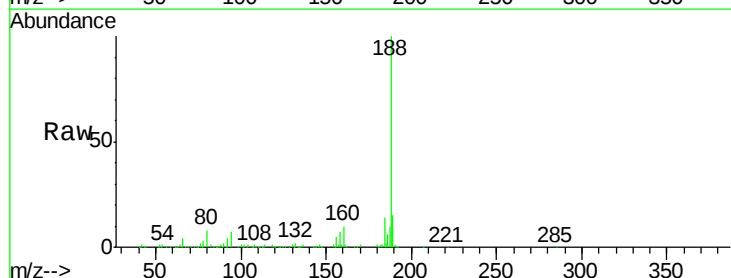
Instrument :
 BNA_G
 ClientSampleId :

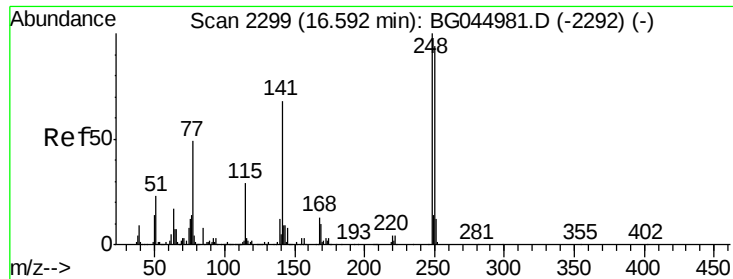
Tot Ion:165 Resp: 22498
 Ion Ratio Lower Upper
 165 100
 63 1.3 32.2 48.2#
 89 1.1 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BG045351.D
 Acq: 13 May 2020 7:03

Tgt Ion:188 Resp: 416954
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.2 9.4
 80 8.1 7.0 10.6

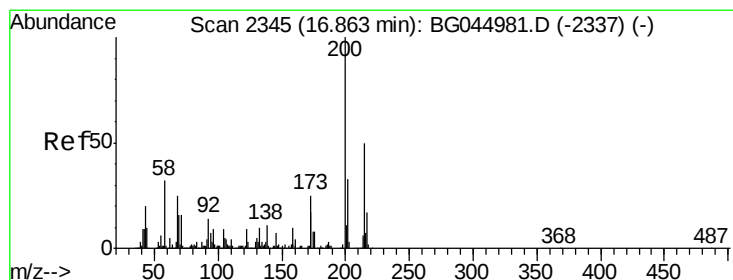
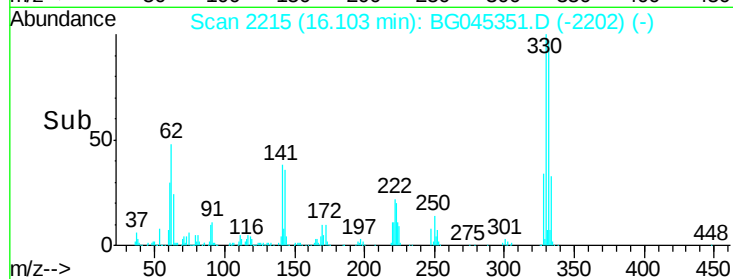
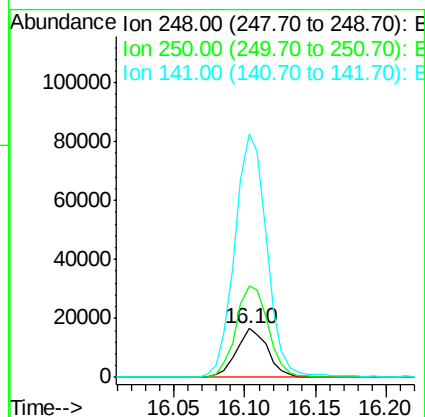
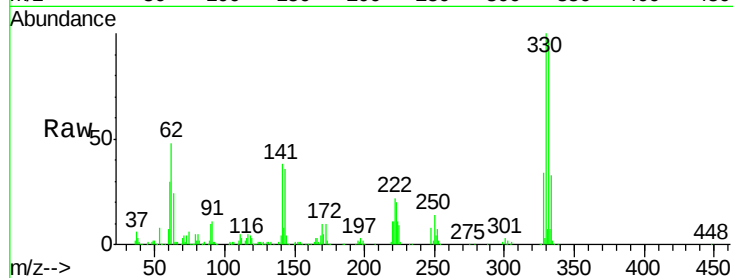




#67
 4-Bromophenyl-phenylether
 Concen: 4.811 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.45 min
 Lab File: BG045351.D
 Acq: 13 May 2020 7:03

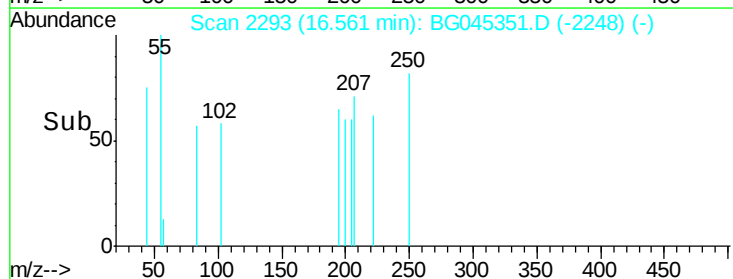
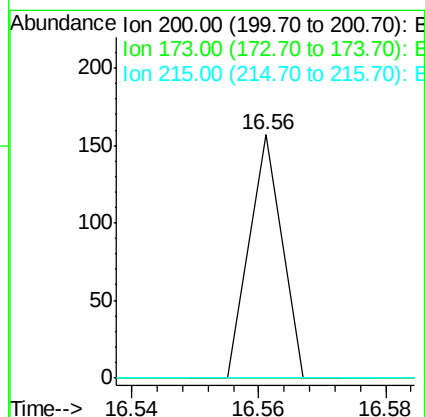
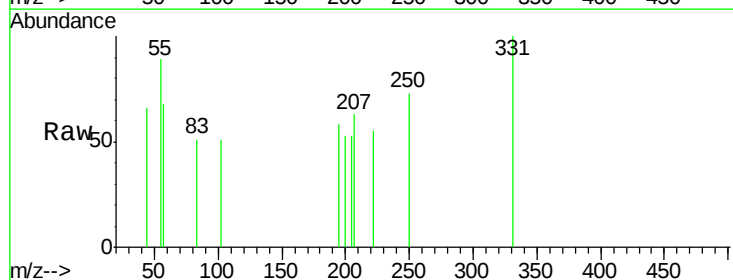
Instrument :
 BNA_G
 ClientSampled :

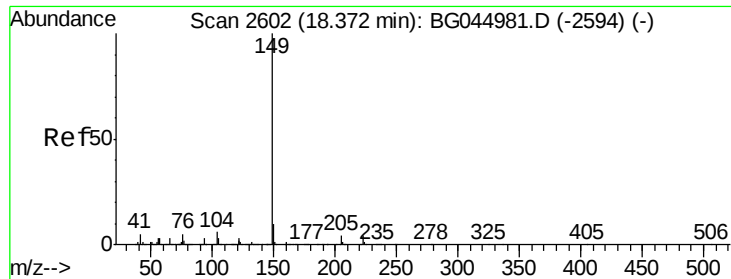
Tot Ion:248 Resp: 25876
 Ion Ratio Lower Upper
 248 100
 250 187.2 75.4 113.2#
 141 498.8 54.4 81.6#



#69
 Atrazine
 Concen: Below Cal
 RT: 16.56 min Scan# 2293
 Delta R.T. -0.26 min
 Lab File: BG045351.D
 Acq: 13 May 2020 7:03

Tgt Ion:200 Resp: 55
 Ion Ratio Lower Upper
 200 100
 173 0.0 4.5 44.5#
 215 0.0 30.0 70.0#

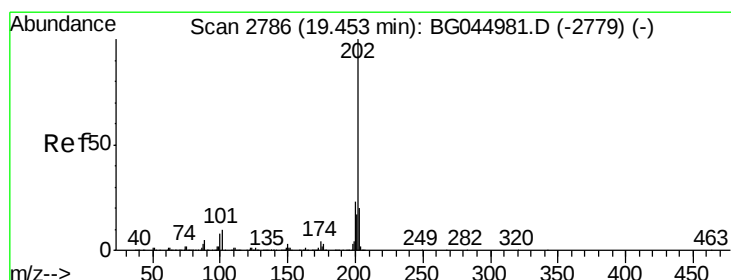
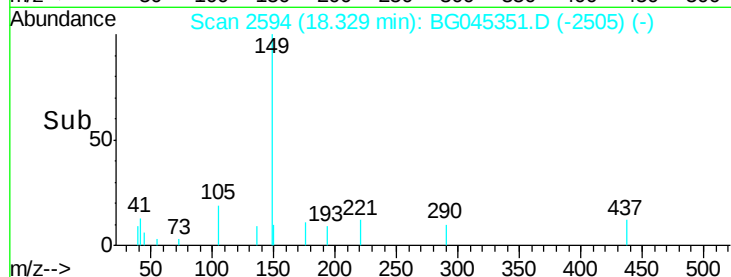
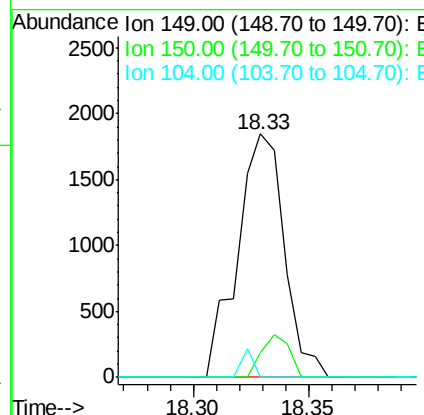
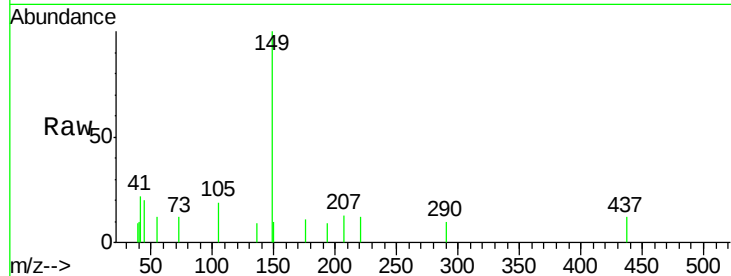




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.33 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BG045351.D
Acq: 13 May 2020 7:03

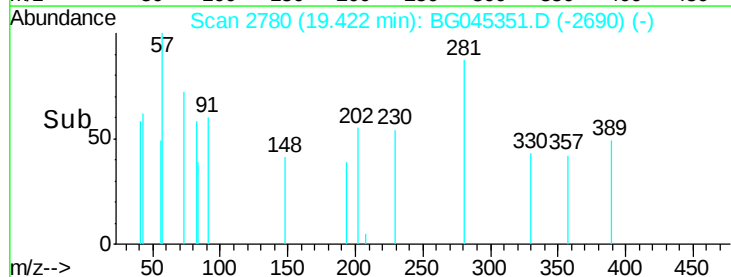
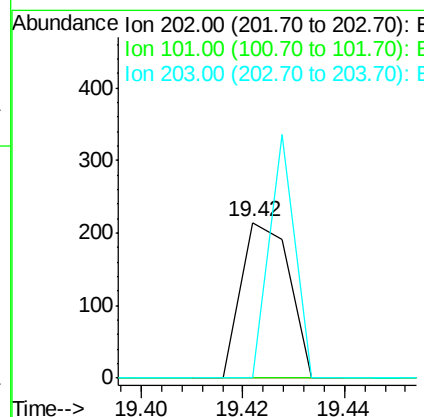
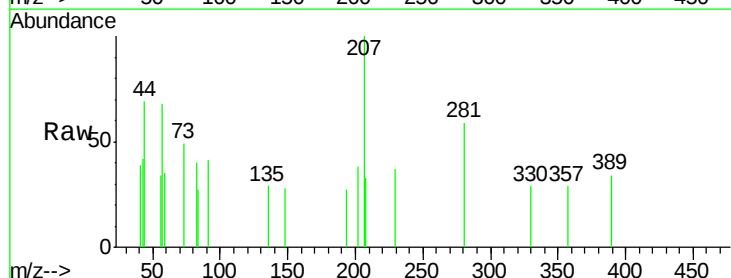
Instrument :
BNA_G
ClientSampled :

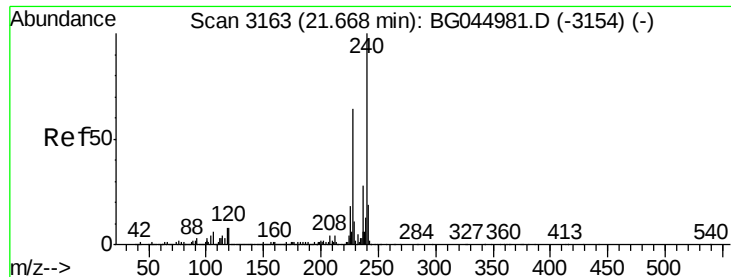
Tot Ion:149 Resp: 2620
Ion Ratio Lower Upper
149 100
150 10.0 8.2 12.2
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.42 min Scan# 2780
Delta R.T. 0.00 min
Lab File: BG045351.D
Acq: 13 May 2020 7:03

Tgt Ion:202 Resp: 143
Ion Ratio Lower Upper
202 100
101 0.0 0.0 29.6
203 0.0 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

Instrument :

BNA_G

ClientSampleId :

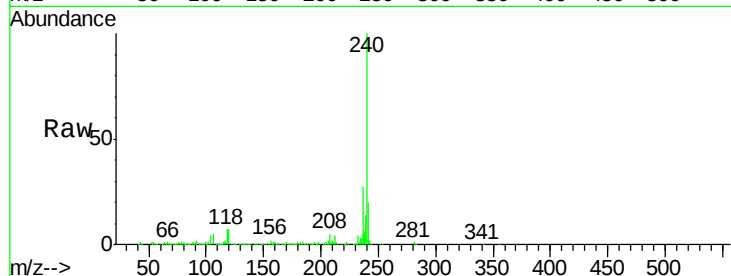
Tot Ion:240 Resp: 427865

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

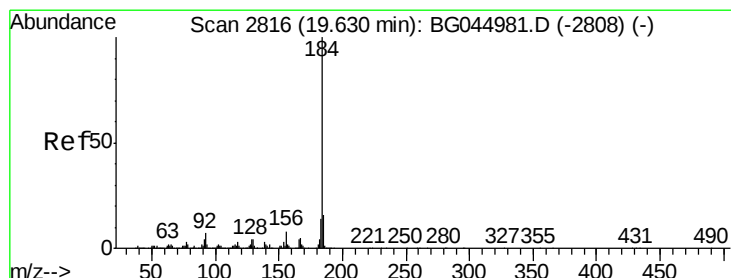
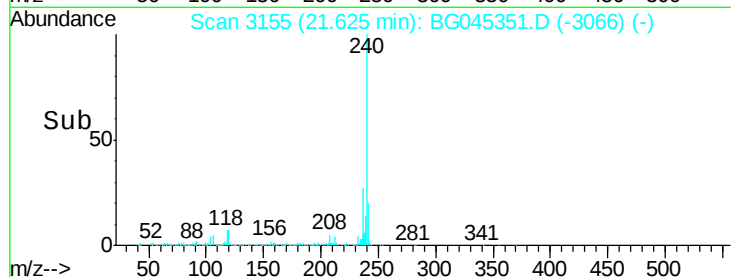
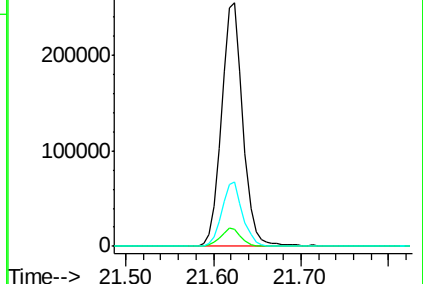
236 26.6 22.2 33.2



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: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

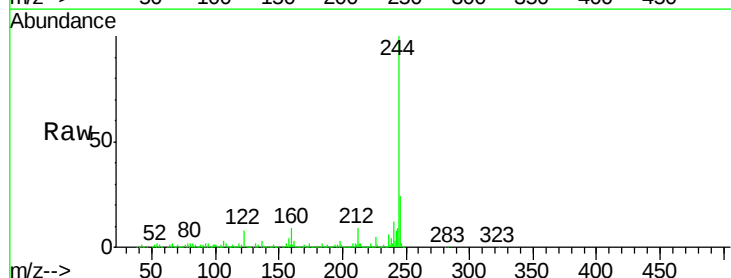
Tgt Ion:184 Resp: 38633

Ion Ratio Lower Upper

184 100

185 14.3 12.6 19.0

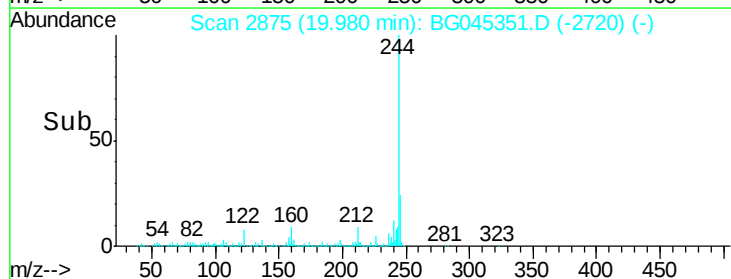
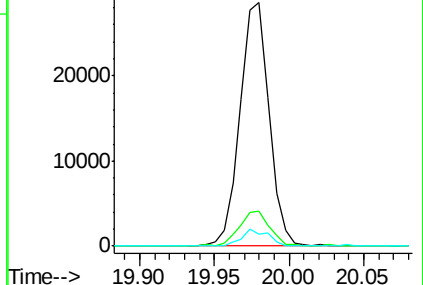
183 4.8 11.3 16.9#

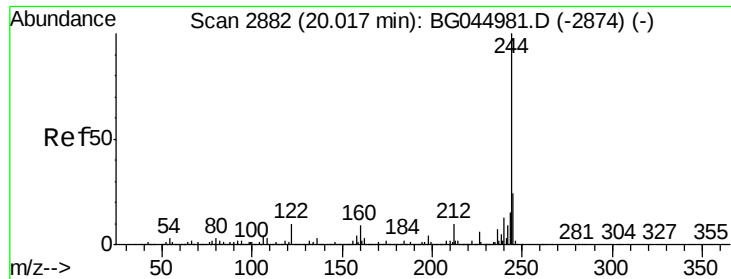


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 100.574 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

Instrument :

BNA_G

ClientSampleId :

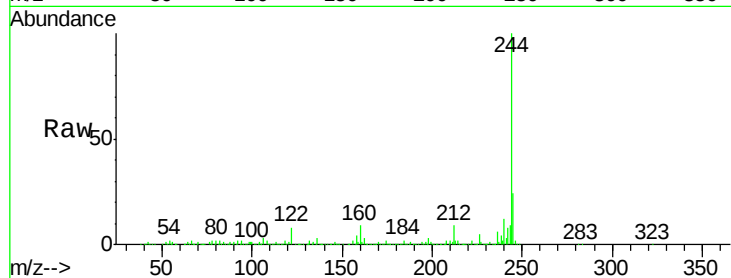
Tot Ion:244 Resp: 1974343

Ion Ratio Lower Upper

244 100

212 9.3 7.9 11.9

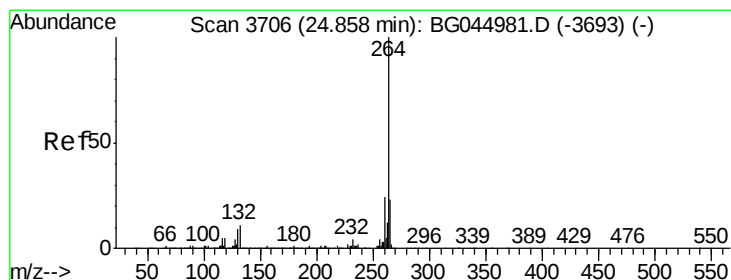
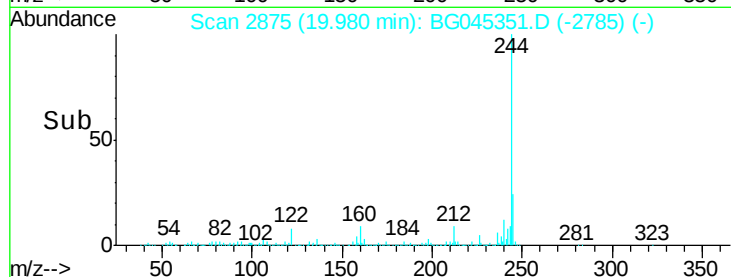
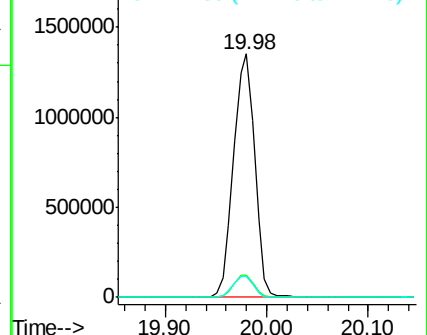
122 8.4 7.7 11.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.02 min

Lab File: BG045351.D

Acq: 13 May 2020 7:03

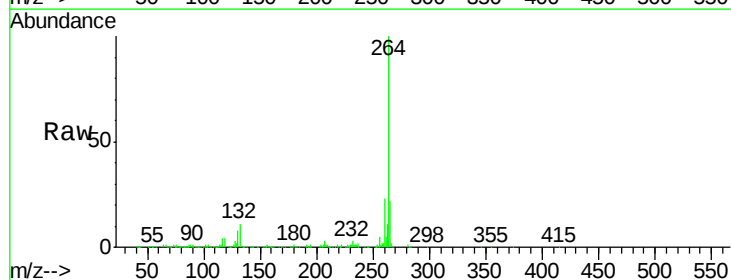
Tgt Ion:264 Resp: 458529

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.1 19.0 28.4



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

