

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045279.D
 Acq On : 7 May 2020 21:19
 Operator : CG/JU
 Sample : L2513-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 08 03:45:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	57841	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	223993	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	170171	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	411202	20.00	ng	0.00
76) Chrysene-d12	21.63	240	405934	20.00	ng	0.00
87) Perylene-d12	24.80	264	435244	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	412736	117.81	ng	0.00
7) Phenol-d6	7.15	99	528347	101.50	ng	0.00
23) Nitrobenzene-d5	9.14	82	462695	94.25	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	390836	148.67	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1078294	92.91	ng	0.00
79) Terphenyl-d14	19.99	244	2111192	113.36	ng	0.00

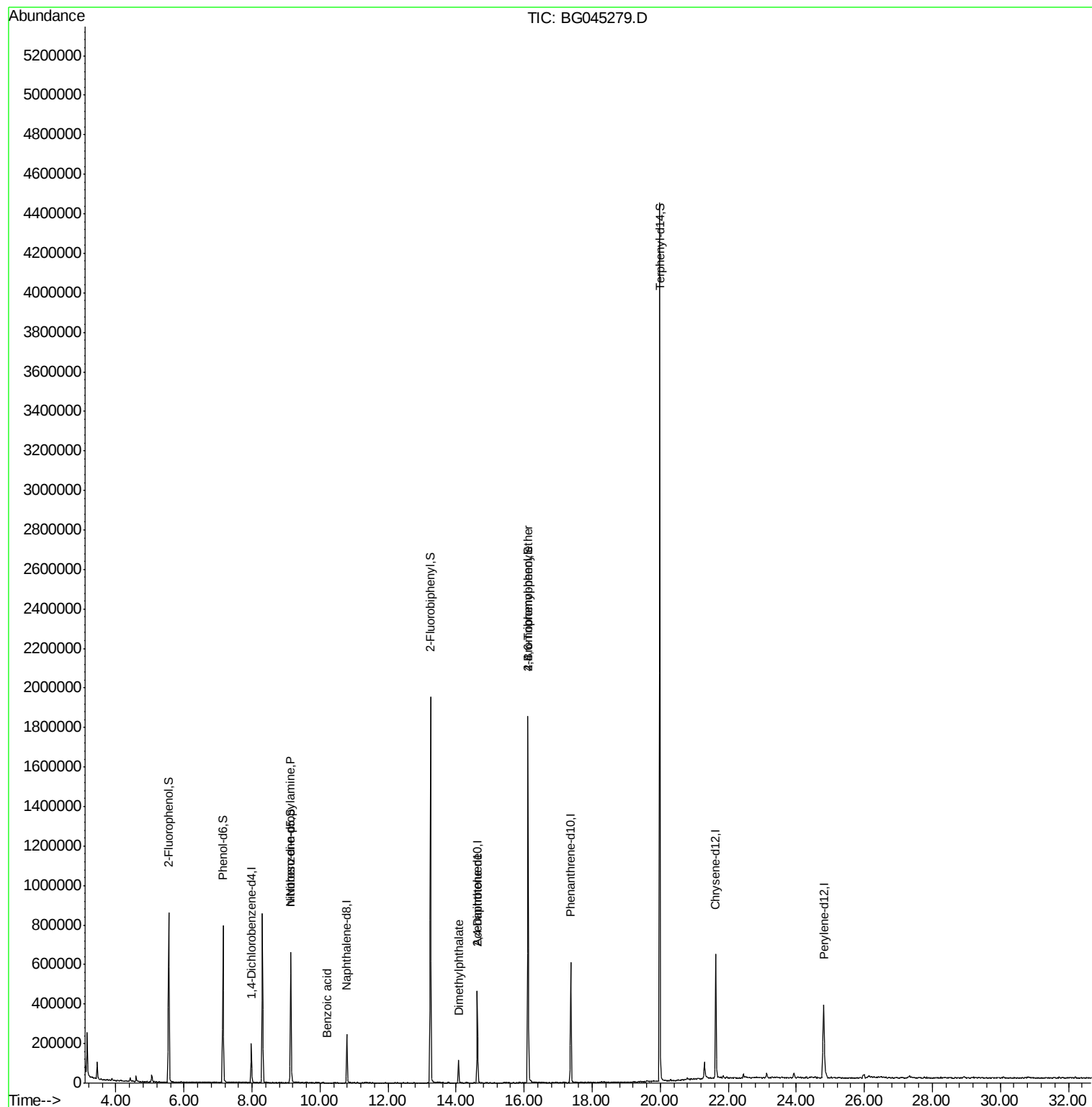
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	854	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	64238	17.450	ng	# 82
32) Benzoic acid	10.21	122	55	6.391	ng	# 1
50) Dimethylphthalate	14.07	163	81135	5.856	ng	99
57) 2,4-Dinitrotoluene	14.62	165	22235	4.909	ng	# 23
67) 4-Bromophenyl-phenylether	16.12	248	26022	4.905	ng	# 1
69) Atrazine	16.85	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	2482	Below Cal	#	87
75) Fluoranthene	19.42	202	258	Below Cal		62
77) Benzidine	19.61	184	8041	Below Cal	#	87

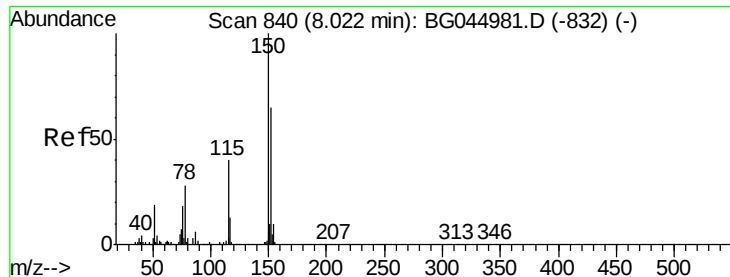
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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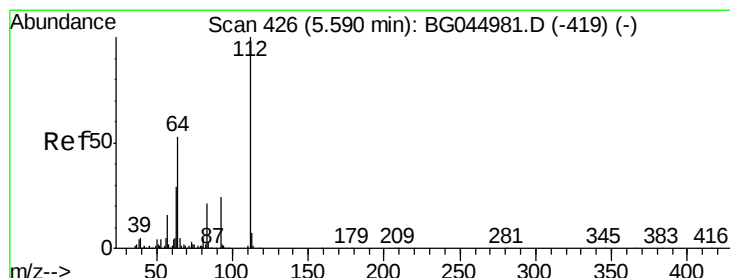
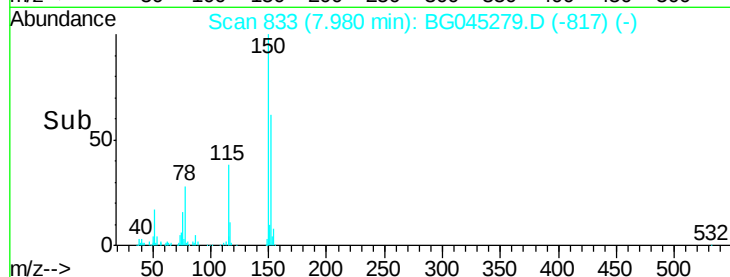
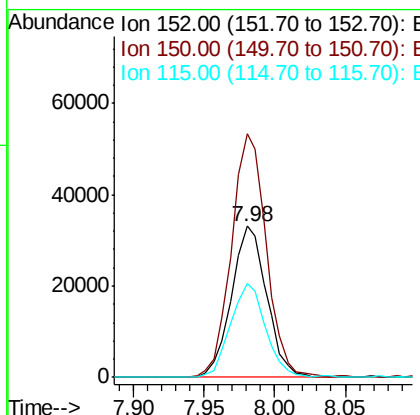
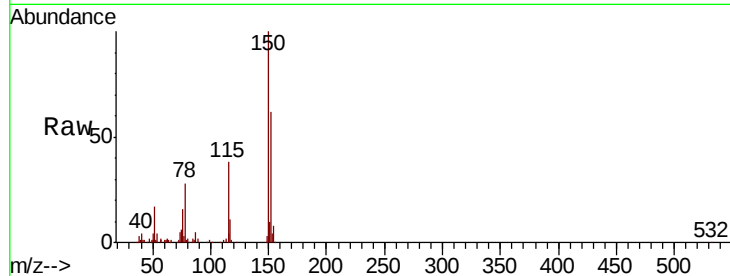


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Instrument :
BNA_G
ClientSampleId :

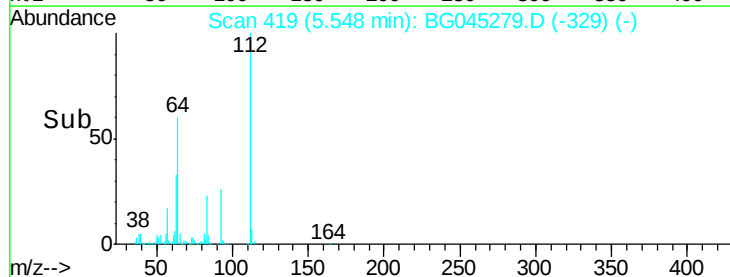
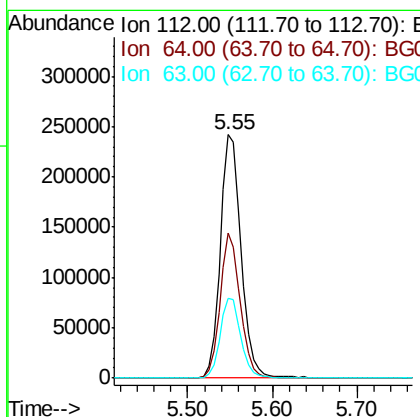
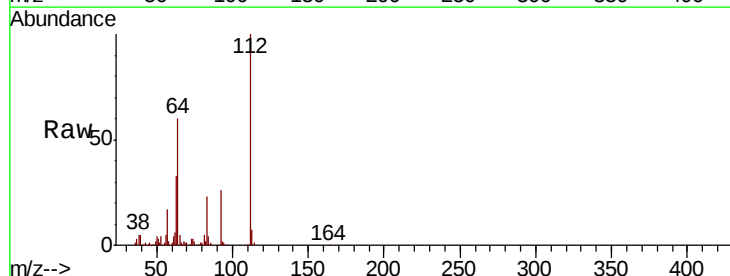
Tot Ion:152 Resp: 57841
Ion Ratio Lower Upper
152 100
150 160.9 123.6 185.4
115 61.6 49.1 73.7

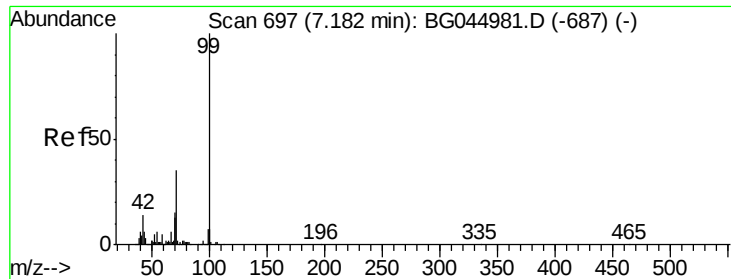


#5

2-Fluorophenol
Concen: 117.807 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Tgt Ion:112 Resp: 412736
Ion Ratio Lower Upper
112 100
64 59.6 42.4 63.6
63 32.6 23.1 34.7





#7

Phenol-d6

Concen: 101.501 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

Instrument :

BNA_G

ClientSampleId :

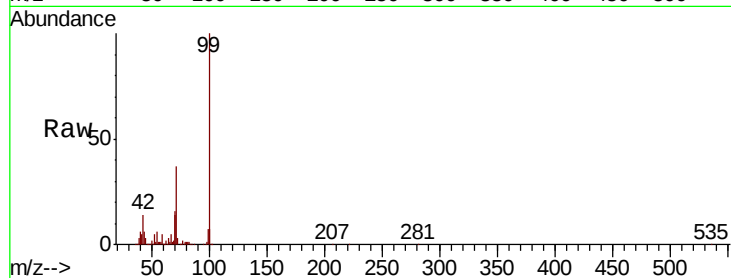
Tot Ion: 99 Resp: 528347

Ion Ratio Lower Upper

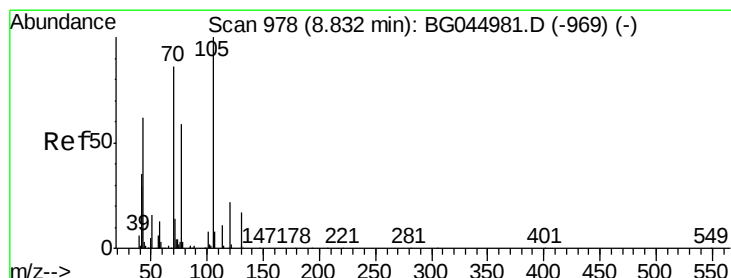
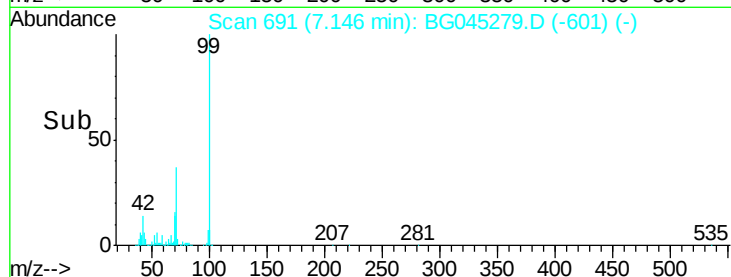
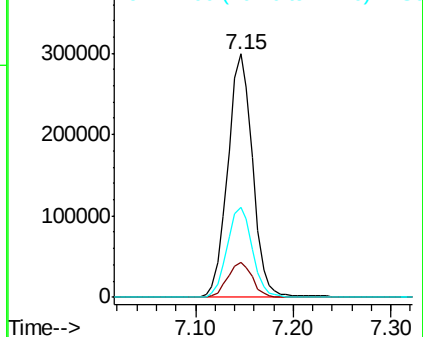
99 100

42 14.2 11.3 16.9

71 36.9 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: 17.450 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

Tgt Ion: 70 Resp: 64238

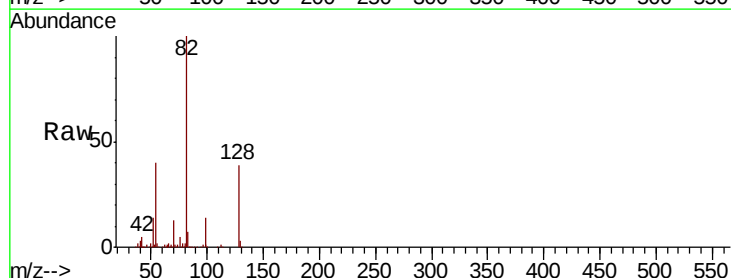
Ion Ratio Lower Upper

70 100

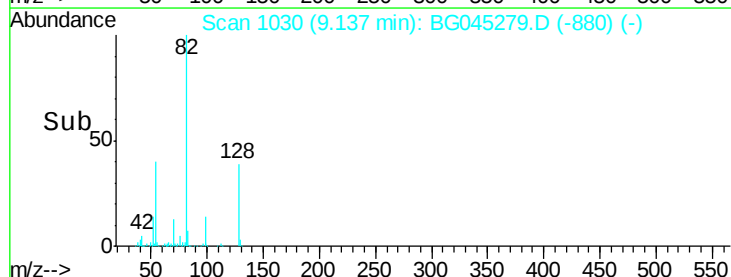
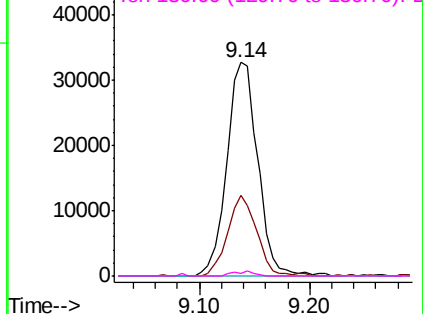
42 38.0 33.3 49.9

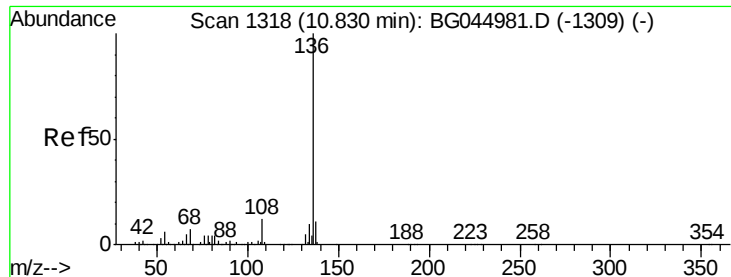
101 0.0 7.8 11.8#

130 1.3 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

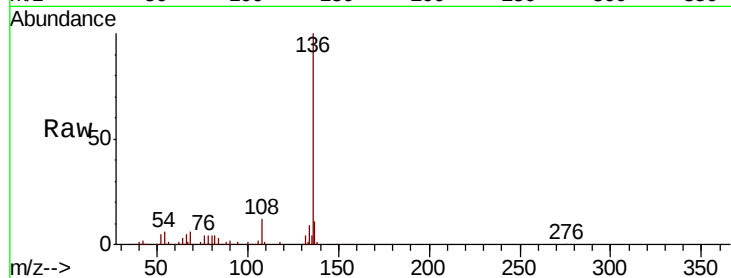




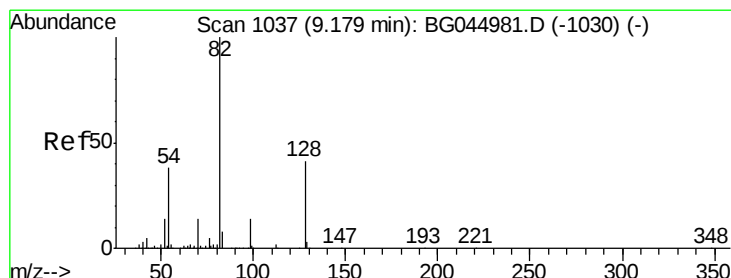
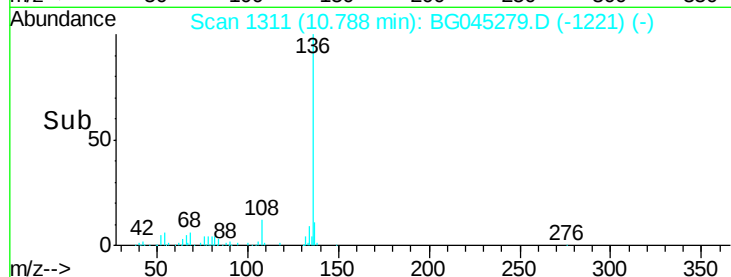
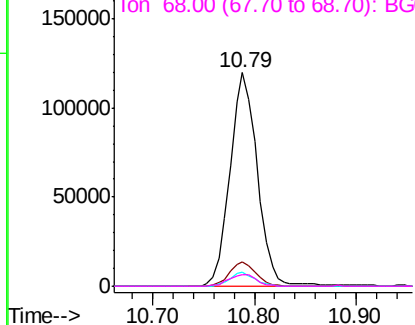
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	223993
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.6	13.0
54 6.4	4.8	7.2
68 5.7	5.2	7.8

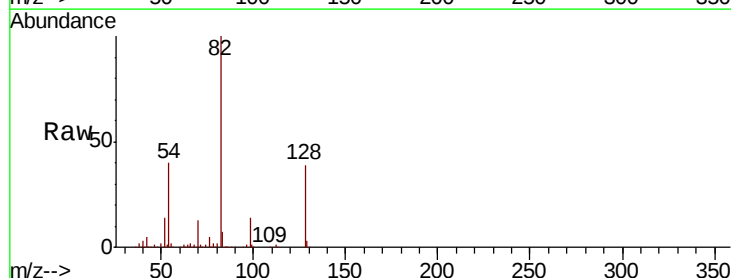


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

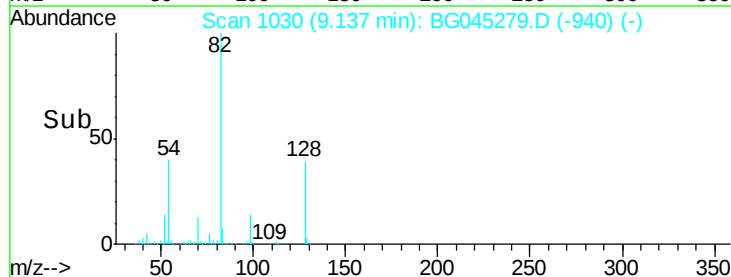
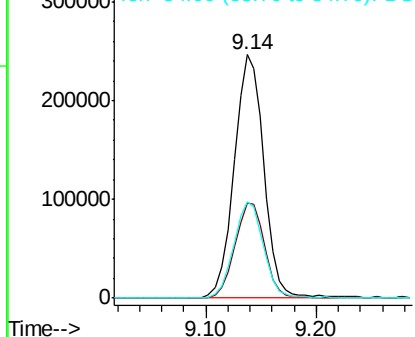


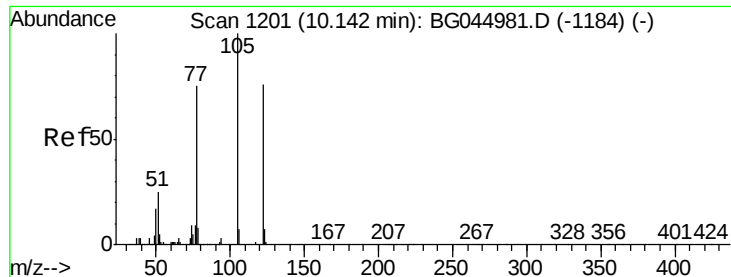
#23
Nitrobenzene-d5
Concen: 94.254 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Tgt	Ion: 82	Resp:	462695
Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.0	49.4
54	39.6	30.4	45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.391 ng

RT: 10.21 min Scan# 1213

Delta R.T. 0.10 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

Instrument :

BNA_G

ClientSampled :

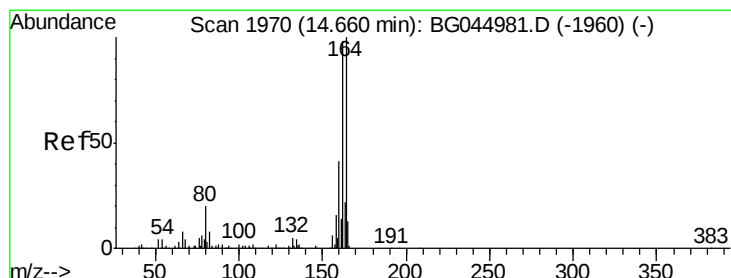
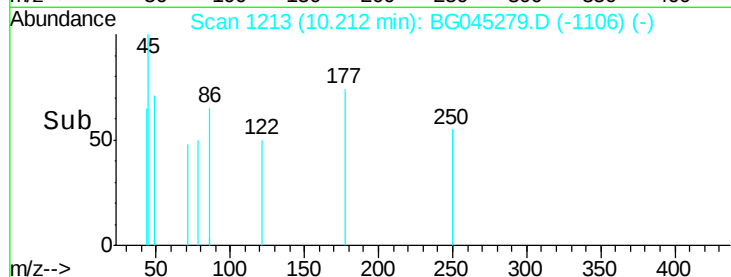
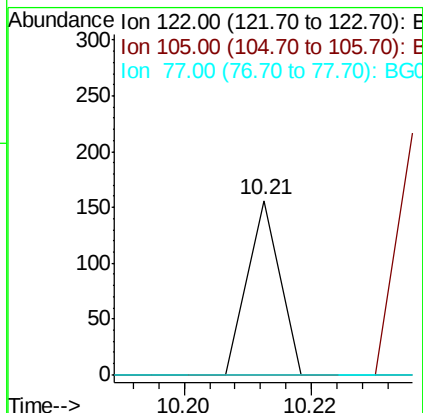
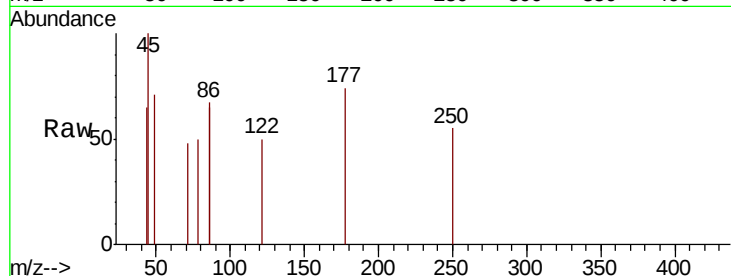
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

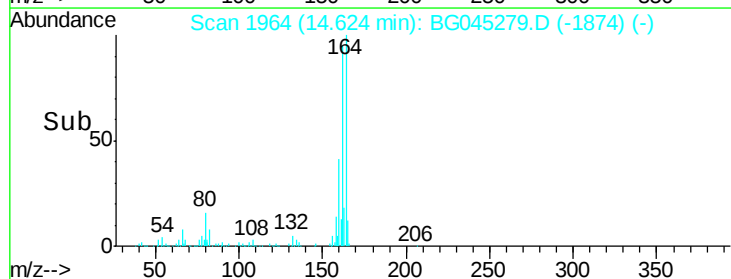
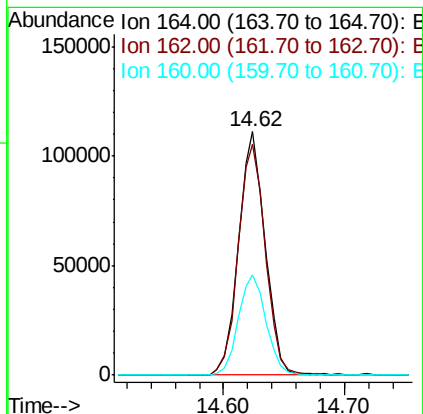
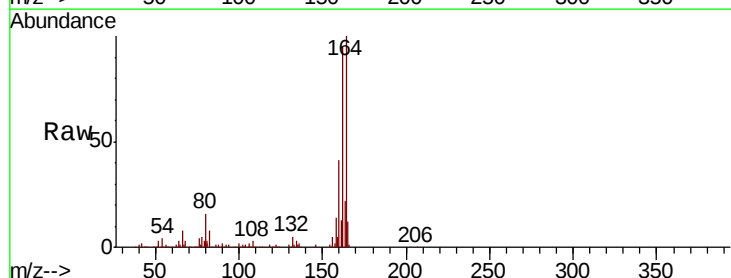
Tgt Ion:164 Resp: 170171

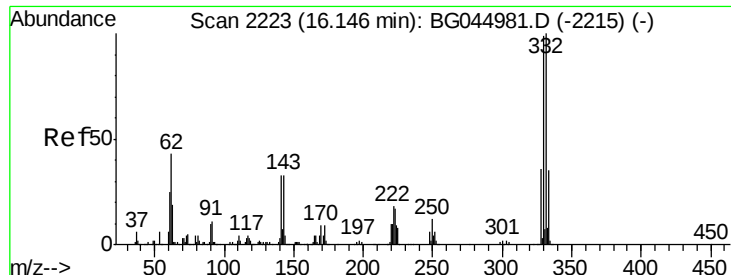
Ion Ratio Lower Upper

164 100

162 94.7 78.7 118.1

160 41.2 32.8 49.2

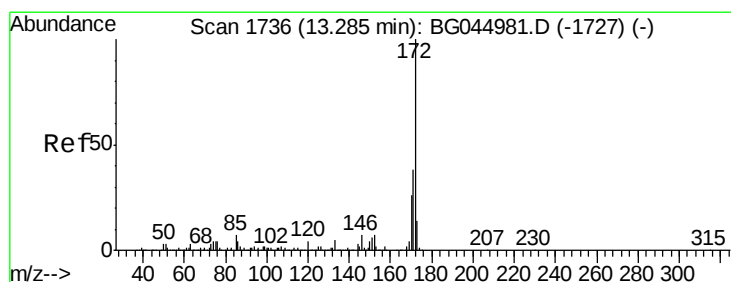
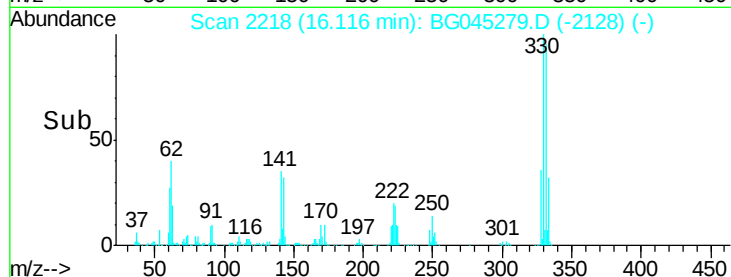
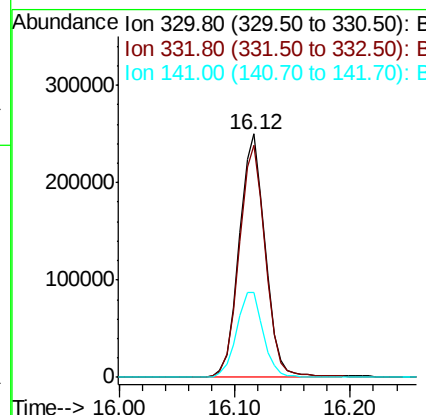
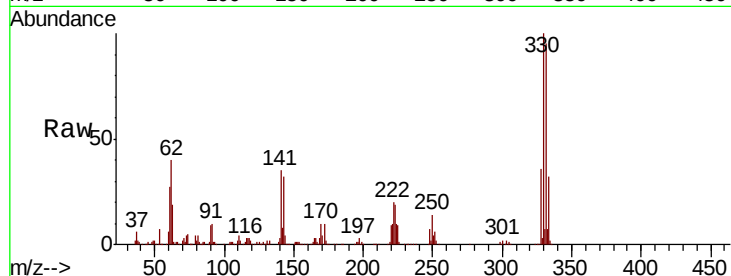




#42
 2,4,6-Tribromophenol
 Concen: 148.668 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045279.D
 Acq: 7 May 2020 21:19

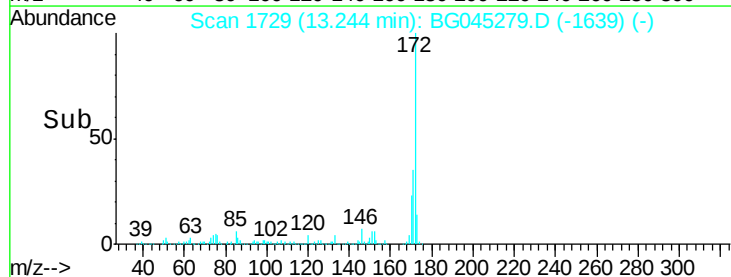
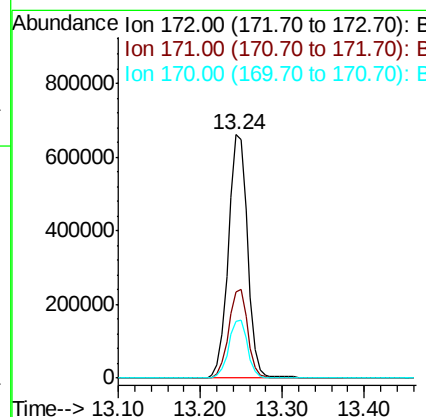
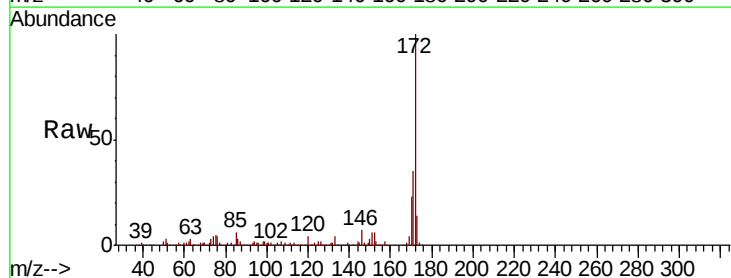
Instrument :
 BNA_G
 ClientSampleId :

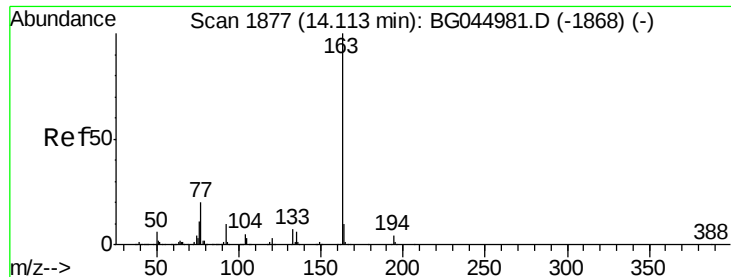
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	79.1	118.7
141	36.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 92.914 ng
 RT: 13.24 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045279.D
 Acq: 7 May 2020 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.6	46.0
170	23.2	20.5	30.7

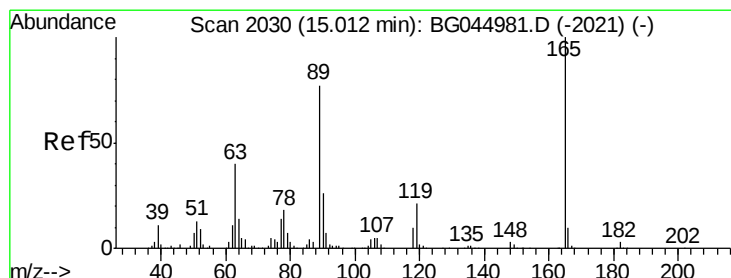
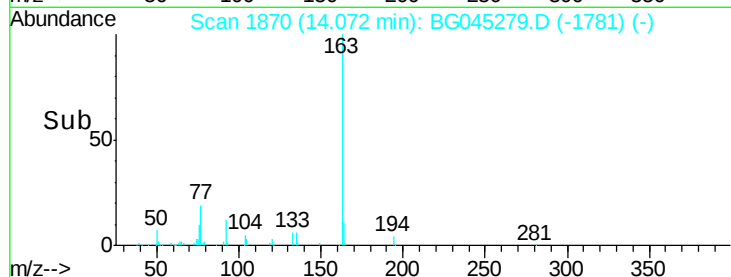
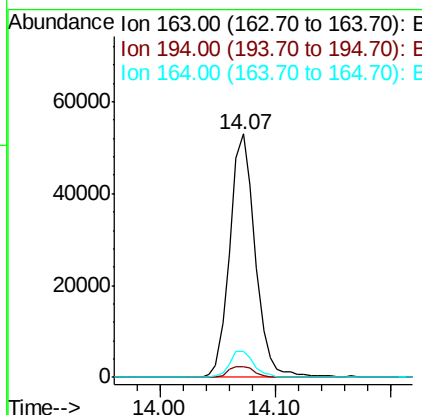
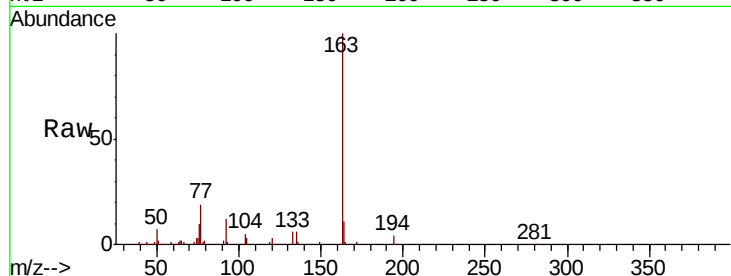




#50
Dimethylphthalate
Concen: 5.856 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

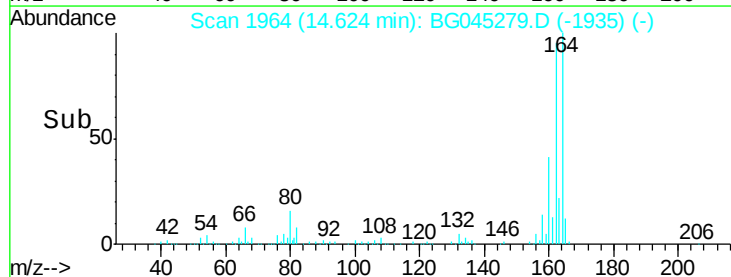
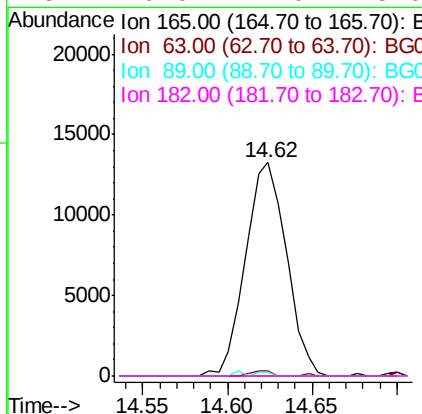
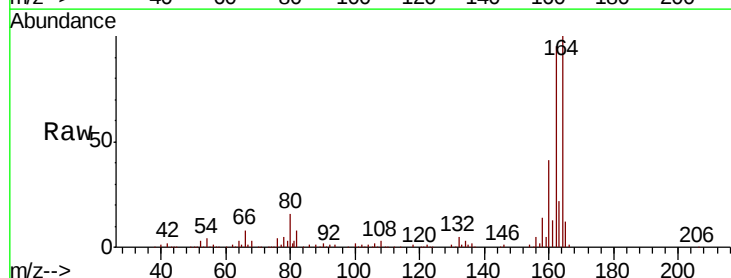
Instrument :
BNA_G
ClientSampleId :

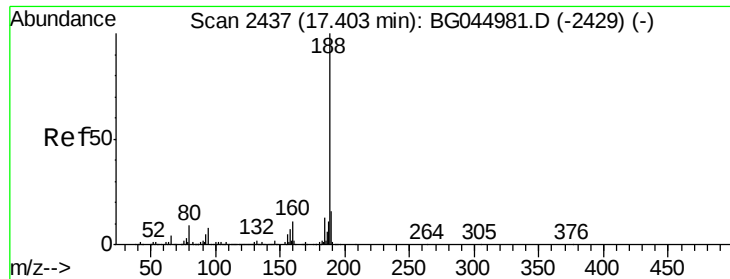
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.7	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 4.909 ng
RT: 14.62 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	32.2	48.2#
89	1.8	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

Instrument :

BNA_G

ClientSampleId :

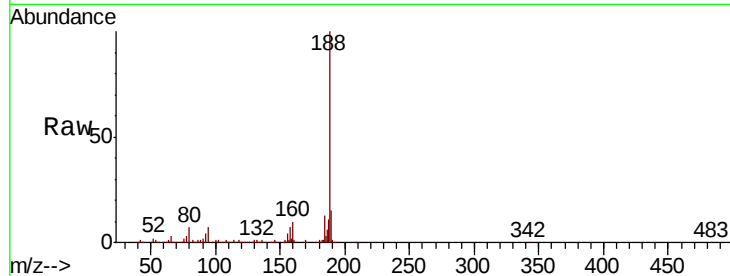
Tot Ion:188 Resp: 411202

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

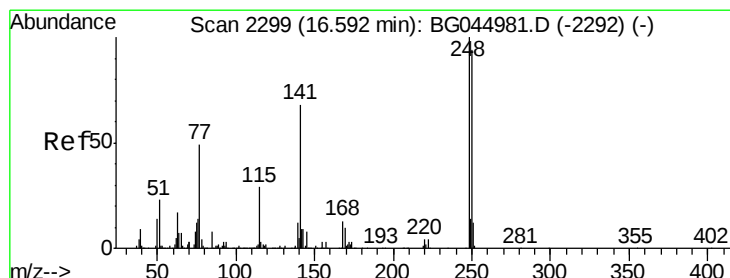
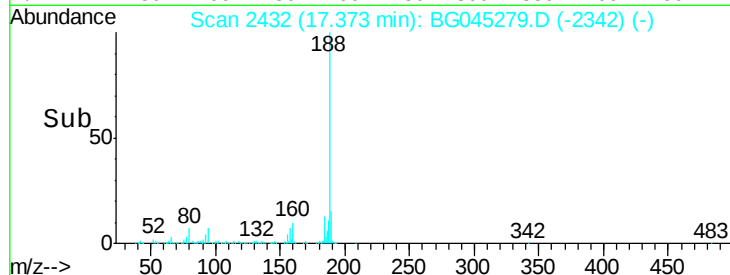
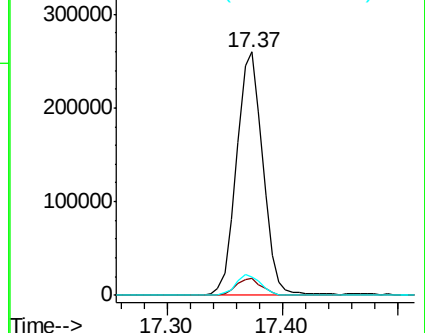
80 7.4 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.905 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

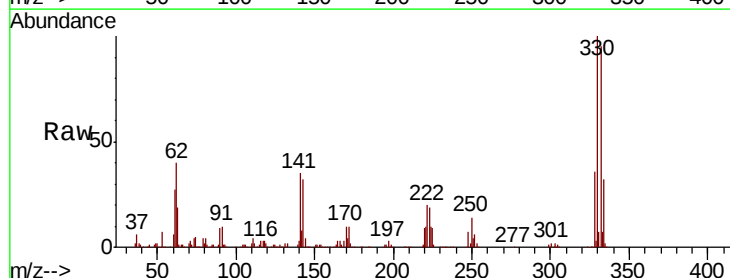
Tgt Ion:248 Resp: 26022

Ion Ratio Lower Upper

248 100

250 198.5 75.4 113.2#

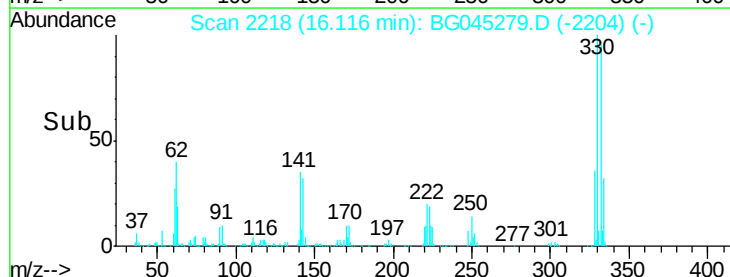
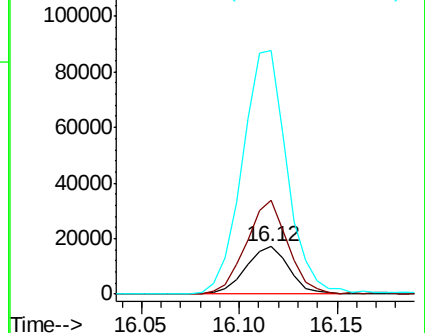
141 514.8 54.4 81.6#

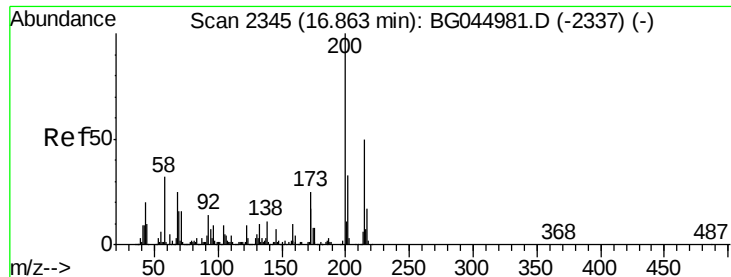


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. 0.02 min

Lab File: BG045279.D

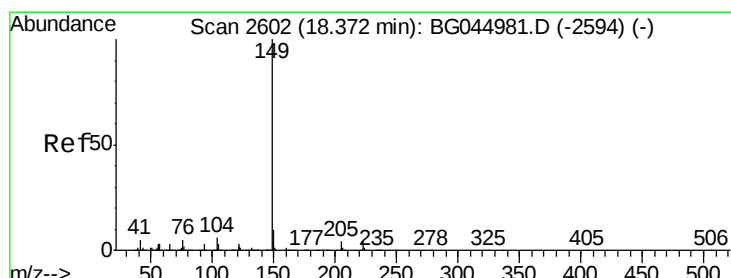
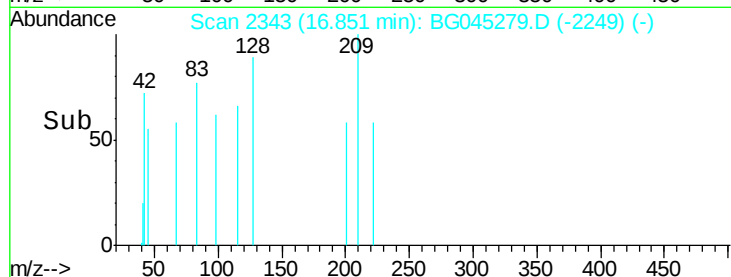
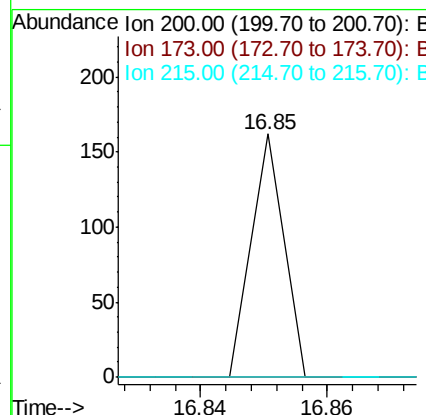
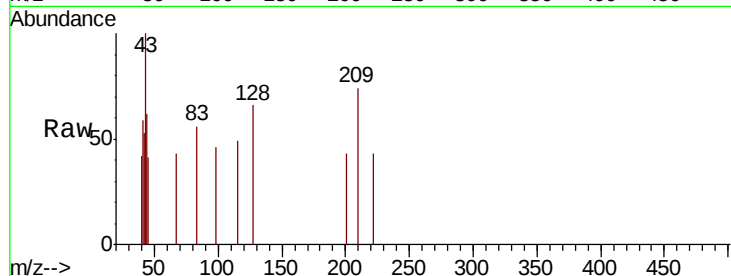
Acq: 7 May 2020 21:19

Instrument :

BNA_G

ClientSampleId :

Tot 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

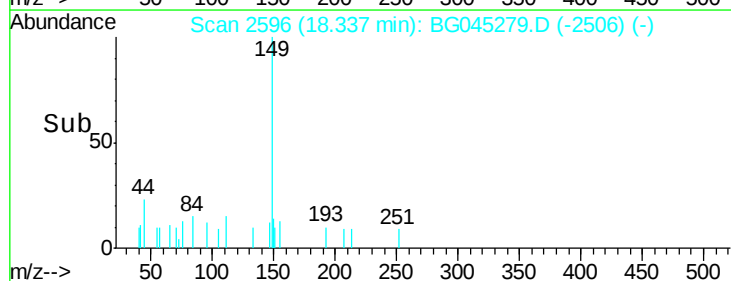
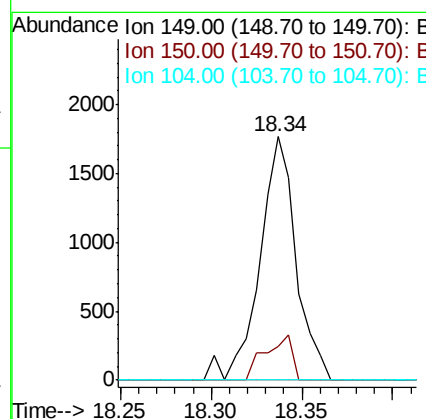
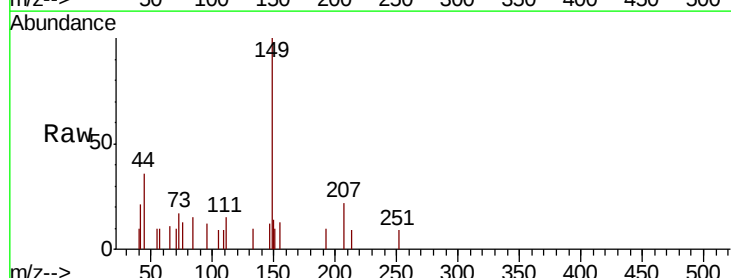
RT: 18.34 min Scan# 2596

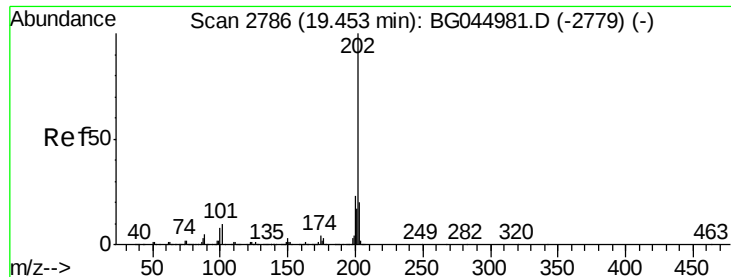
Delta R.T. -0.00 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	13.8	8.2	12.2#
104	0.0	4.8	7.2#

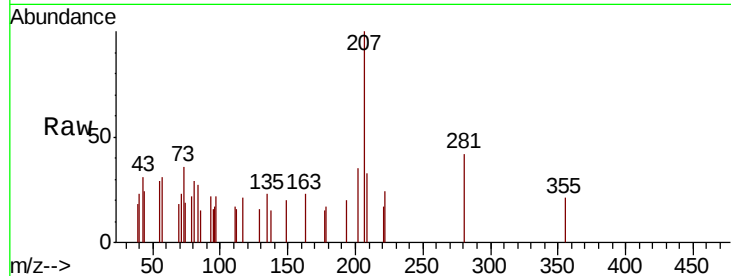




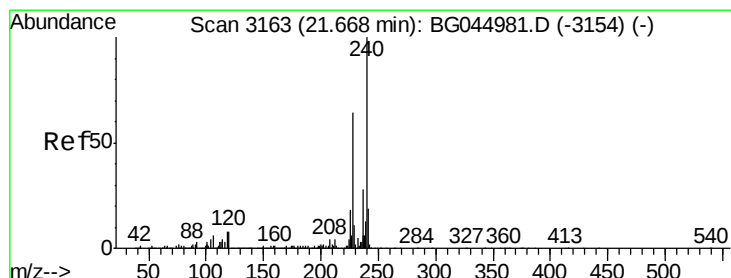
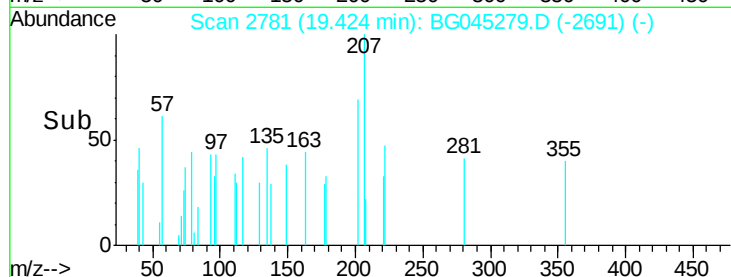
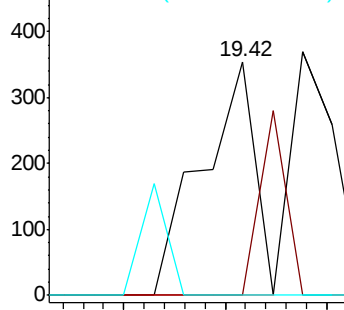
#75
Fluoranthene
Concen: Below Cal
RT: 19.42 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7

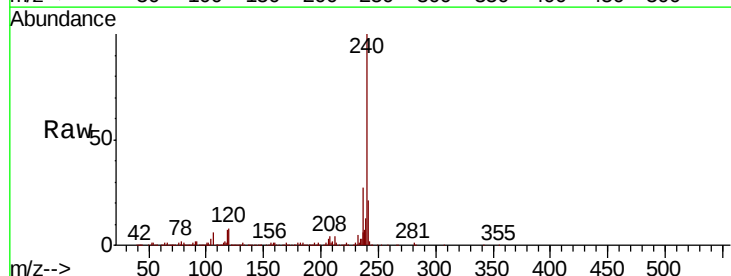


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

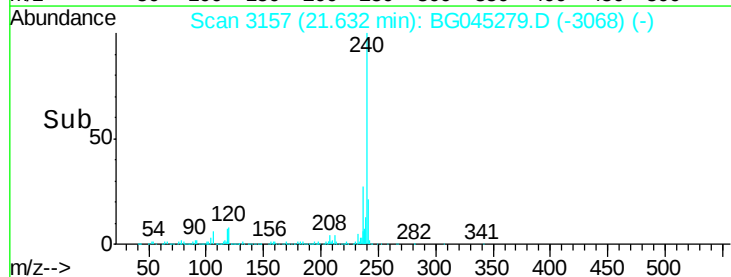
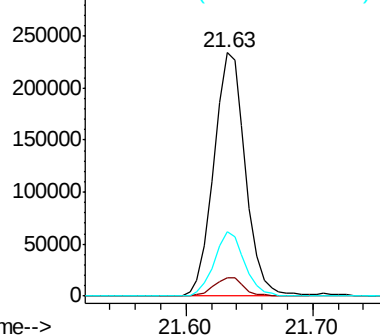


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.6	10.0
236	26.7	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: 19.61 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

Instrument :

BNA_G

ClientSampleId :

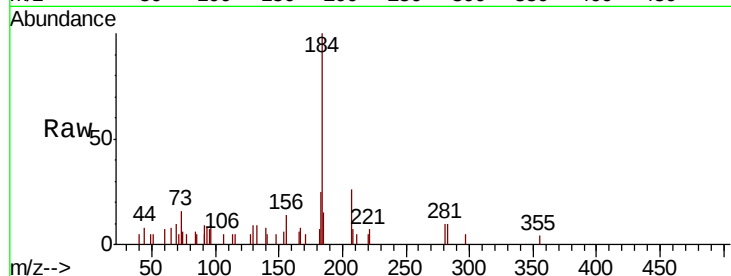
Tot Ion:184 Resp: 8041

Ion Ratio Lower Upper

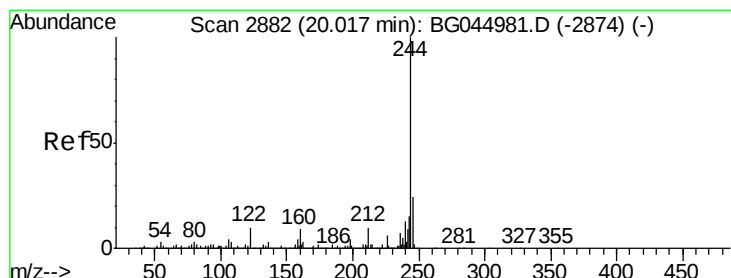
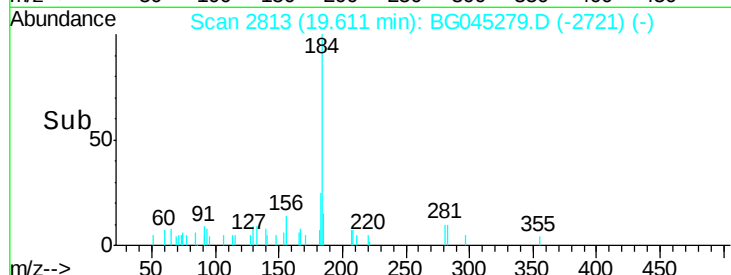
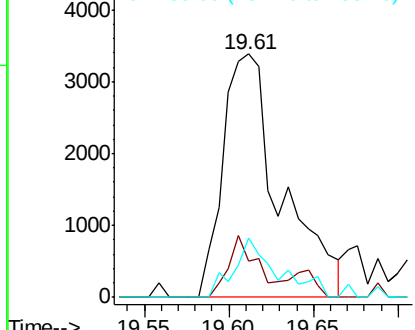
184 100

185 14.9 12.6 19.0

183 24.6 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: 113.355 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045279.D

Acq: 7 May 2020 21:19

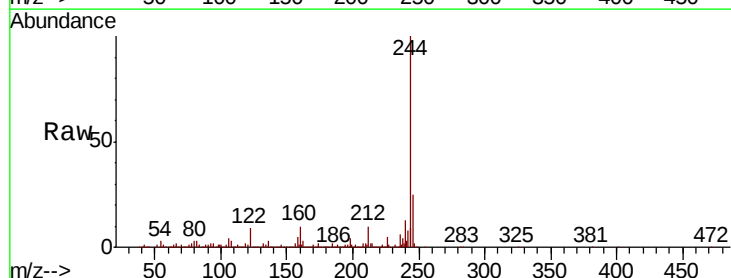
Tgt Ion:244 Resp: 2111192

Ion Ratio Lower Upper

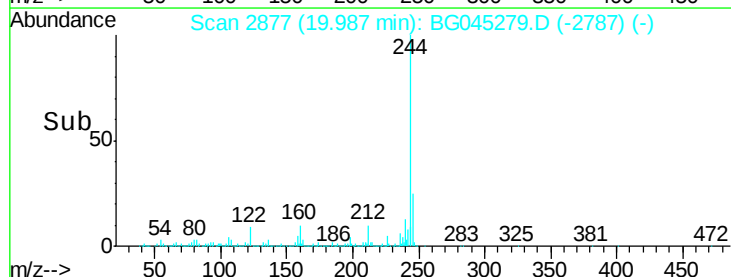
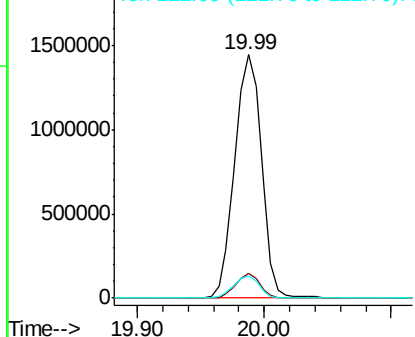
244 100

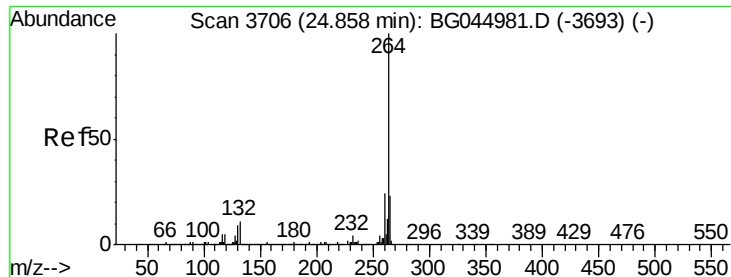
212 10.0 7.9 11.9

122 9.0 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

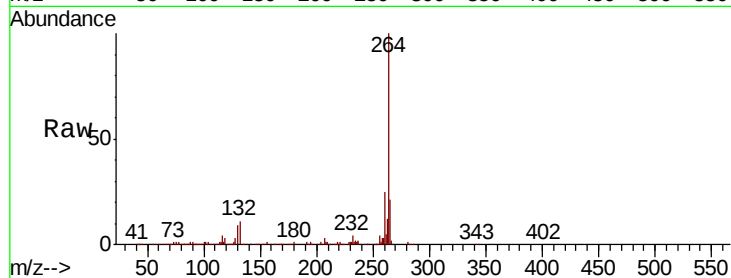




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.80 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG045279.D
Acq: 7 May 2020 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	435244
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.0	19.0	28.4



Abundance Ion 264.00 (263.70 to 264.70): E
200000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

