

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050620\
 Data File : BG045257.D
 Acq On : 6 May 2020 17:39
 Operator : CG/JU
 Sample : L2491-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 6FT-TP-11

Quant Time: May 06 18:26:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 12:59:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	52913	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	213759	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	157644	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	384099	20.00	ng	0.00
76) Chrysene-d12	21.64	240	366262	20.00	ng	0.00
87) Perylene-d12	24.82	264	394097	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	316226	98.67	ng	0.00
7) Phenol-d6	7.15	99	468035	98.29	ng	0.00
23) Nitrobenzene-d5	9.14	82	328067	70.03	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	279788	114.88	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	837817	77.93	ng	0.00
79) Terphenyl-d14	19.99	244	1567991	93.31	ng	0.00

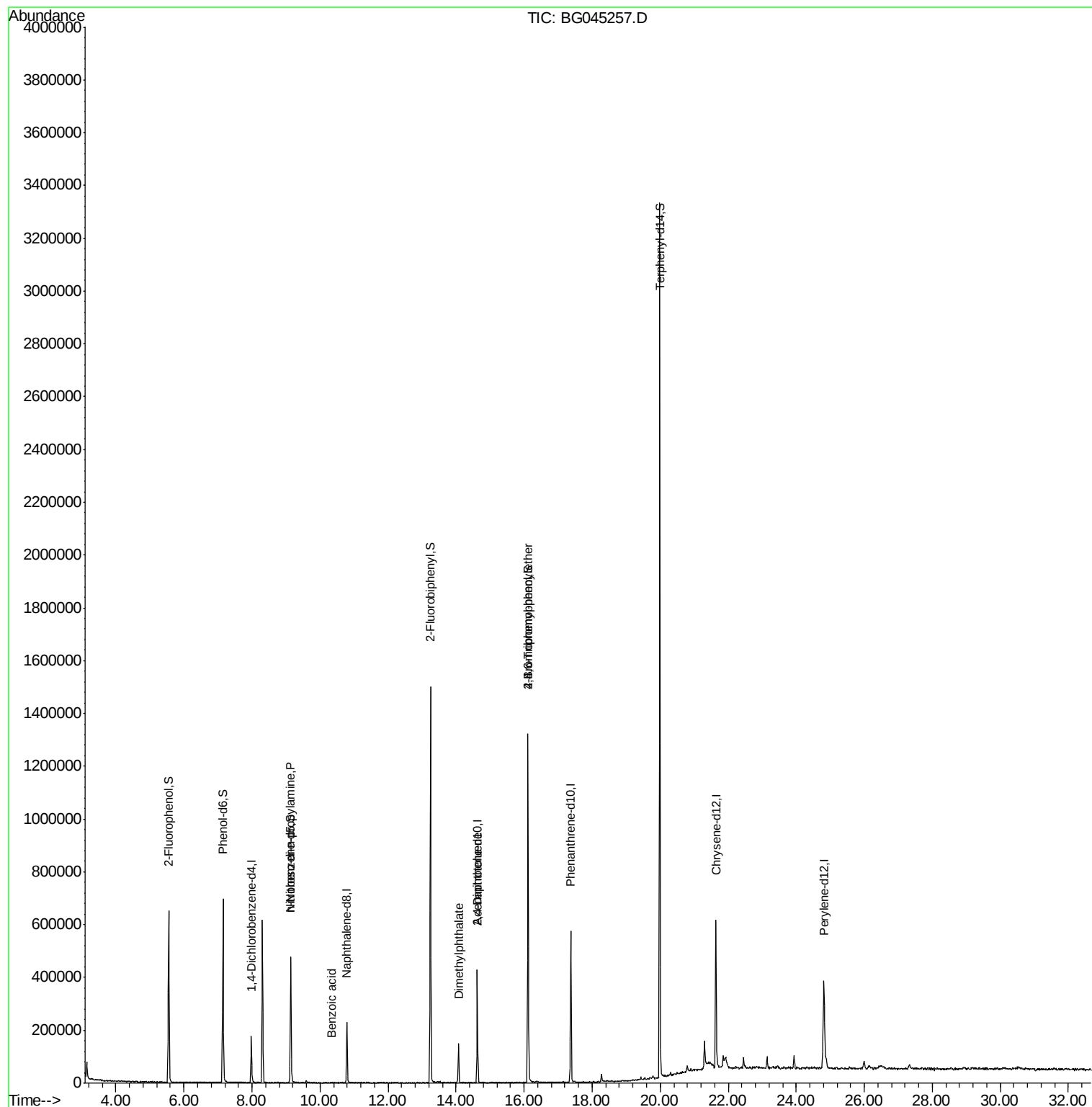
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.11	77	87	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	44676	13.266	ng	# 85
32) Benzoic acid	10.35	122	58	6.393	ng	# 1
50) Dimethylphthalate	14.07	163	106006	8.258	ng	100
57) 2,4-Dinitrotoluene	14.63	165	20335	4.847	ng	# 23
67) 4-Bromophenyl-phenylether	16.12	248	19358	3.907	ng	# 1
69) Atrazine	16.95	200	58	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	1410	Below Cal	#	76
75) Fluoranthene	19.43	202	4909	Below Cal		90
77) Benzidine	19.99	184	28727	Below Cal	#	90

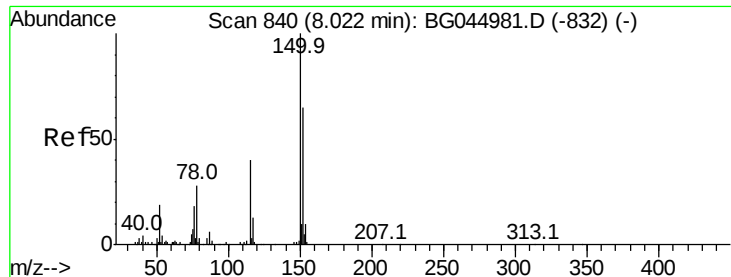
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG045257.D

Acq: 6 May 2020 17:39

Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

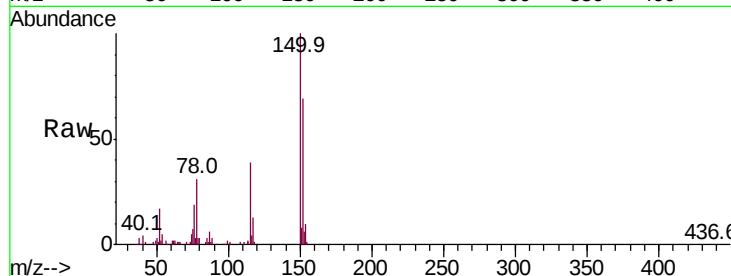
Tot Ion:152 Resp: 52913

Ion Ratio Lower Upper

152 100

150 144.0 123.6 185.4

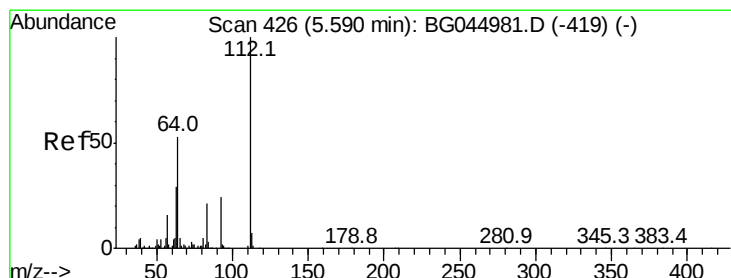
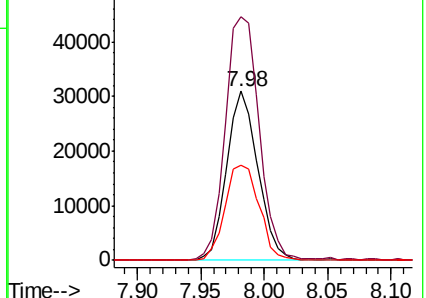
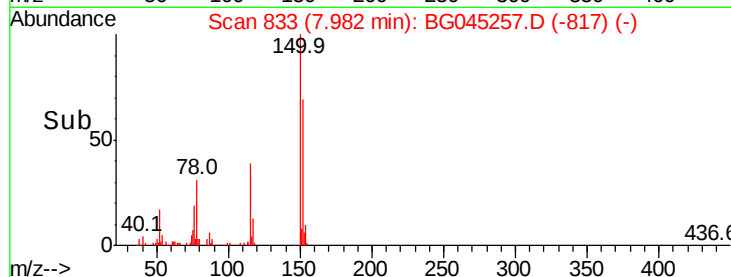
115 56.6 49.1 73.7



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: 98.666 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

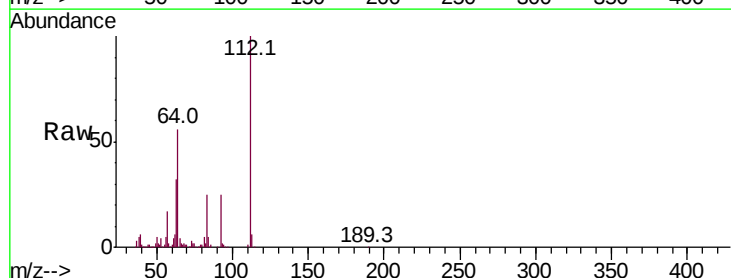
Tgt Ion:112 Resp: 316226

Ion Ratio Lower Upper

112 100

64 56.5 42.4 63.6

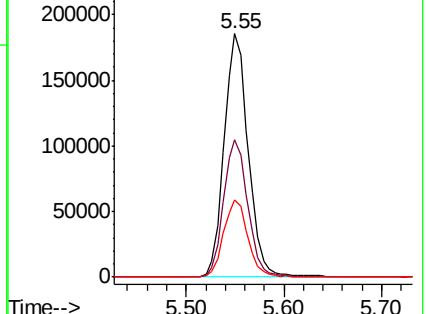
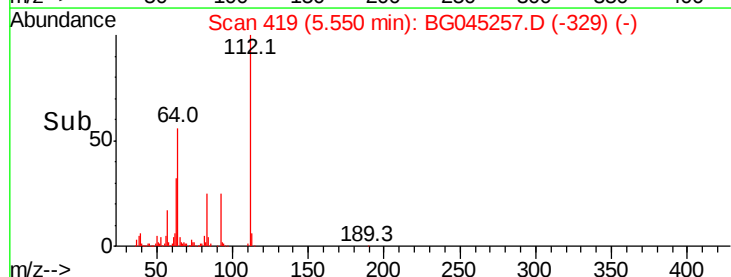
63 31.5 23.1 34.7

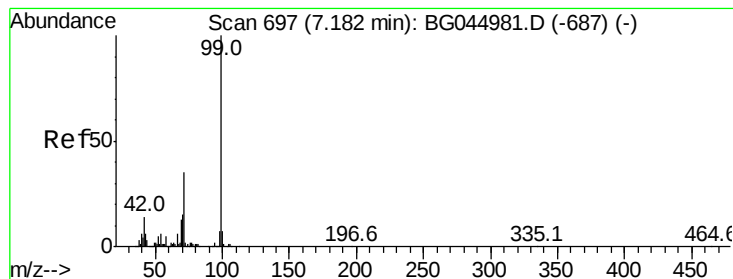


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 98.289 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

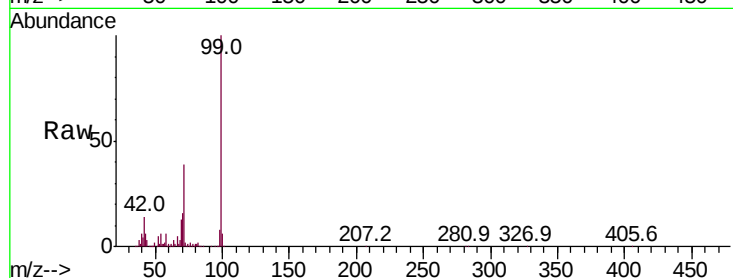
Tot Ion: 99 Resp: 468035

Ion Ratio Lower Upper

99 100

42 13.6 11.3 16.9

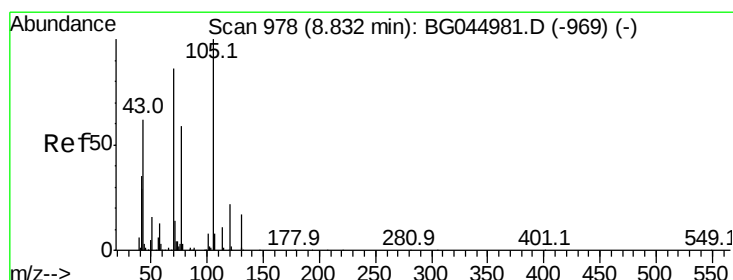
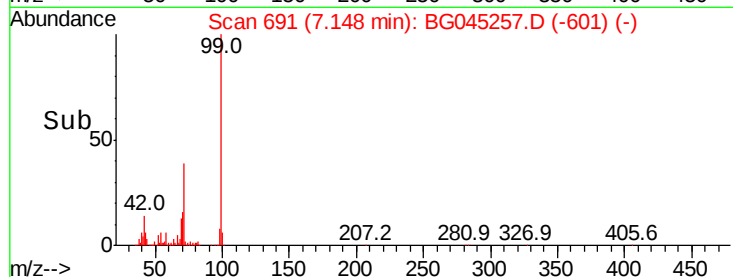
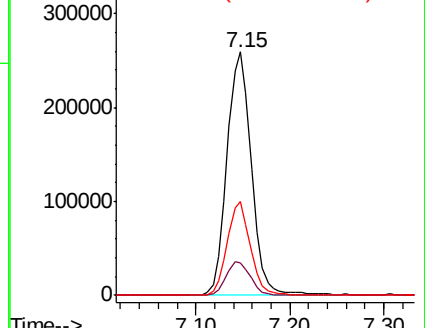
71 38.6 28.3 42.5



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: 13.266 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Tgt Ion: 70 Resp: 44676

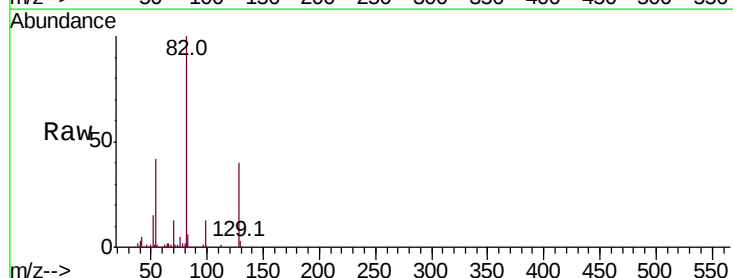
Ion Ratio Lower Upper

70 100

42 40.5 33.3 49.9

101 0.0 7.8 11.8#

130 2.3 15.8 23.6#

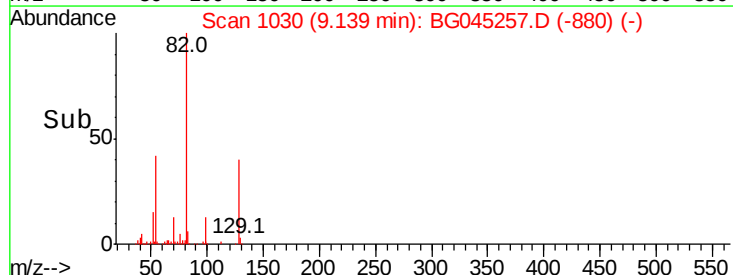
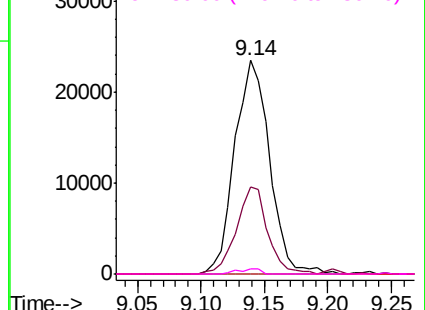


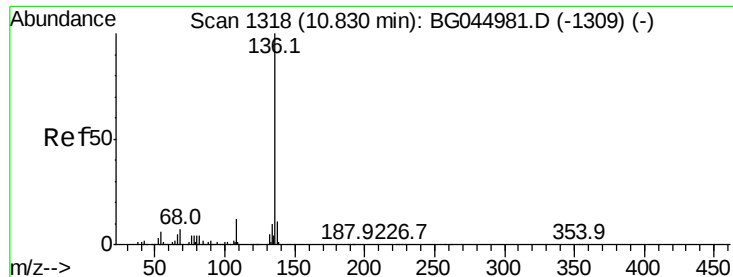
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

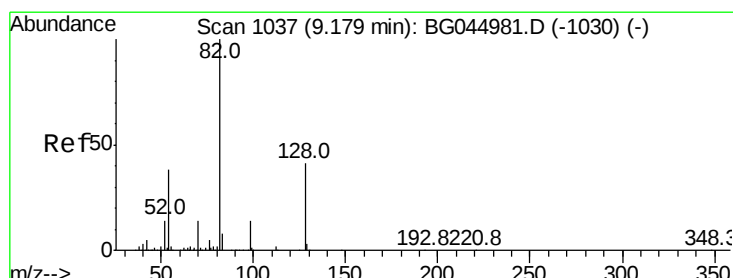
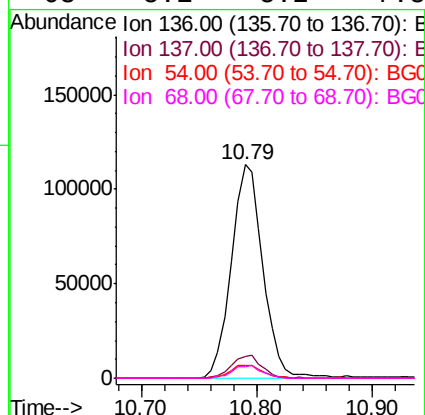
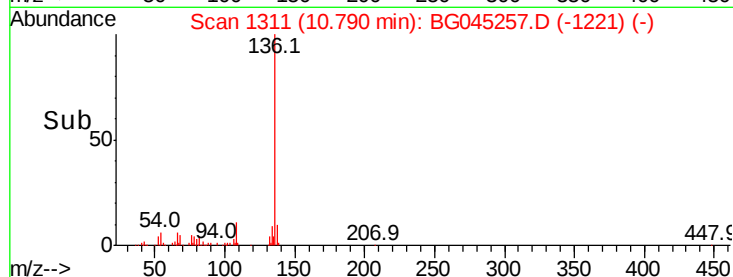
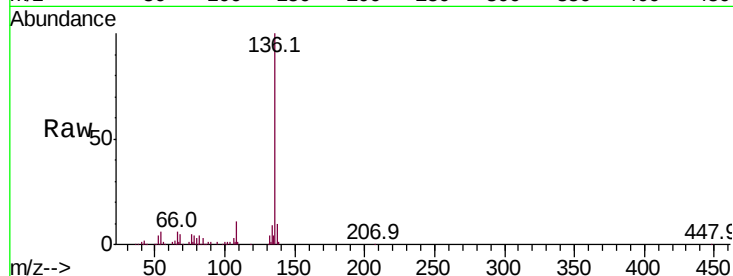




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045257.D
Acq: 6 May 2020 17:39

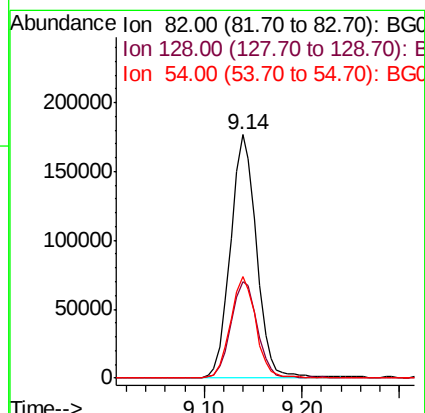
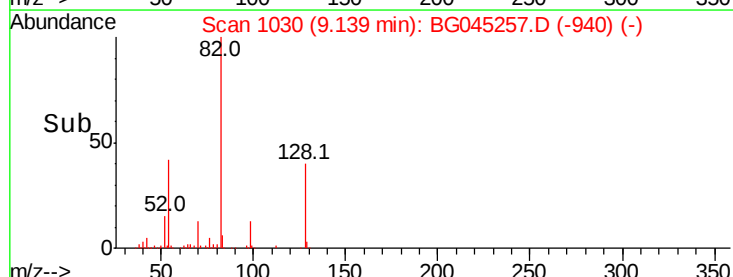
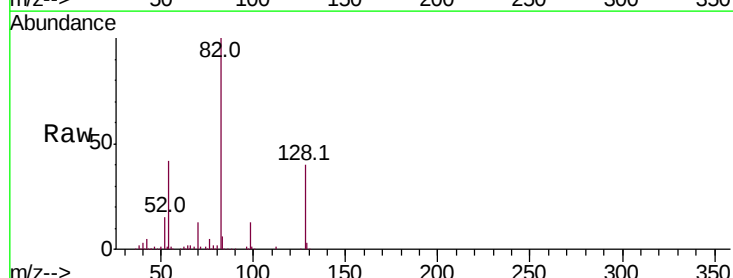
Instrument :
BNA_G
ClientSampleId :
6FT-TP-11

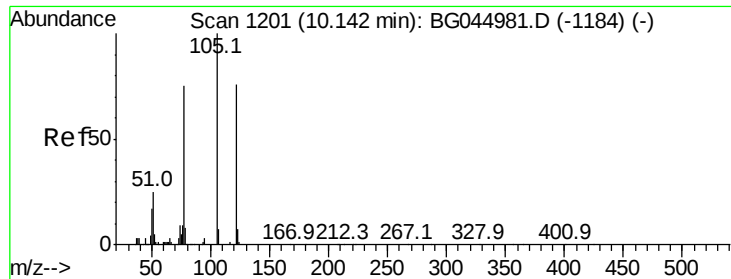
Tot Ion:136	Resp:	213759
Ion Ratio	Lower	Upper
136 100		
137 10.1	8.6	13.0
54 5.8	4.8	7.2
68 5.1	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 70.029 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045257.D
Acq: 6 May 2020 17:39

Tgt	Ion: 82	Resp:	328067
Ion	Ratio	Lower	Upper
82	100		
128	39.8	33.0	49.4
54	41.6	30.4	45.6

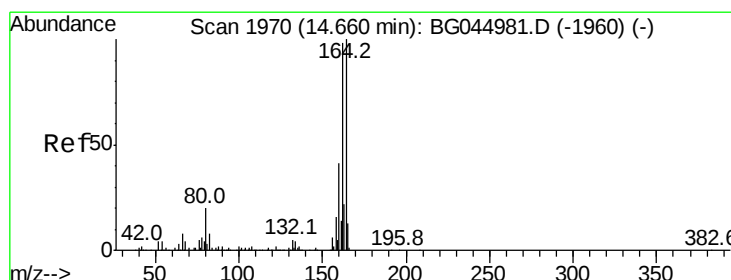
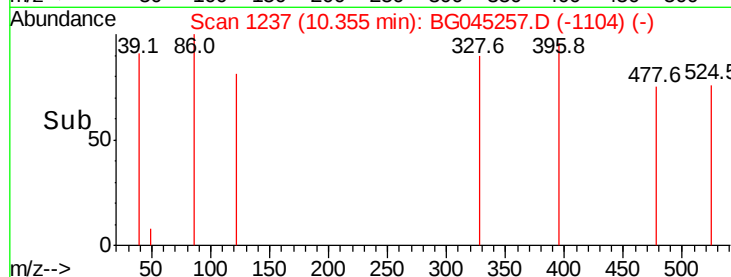
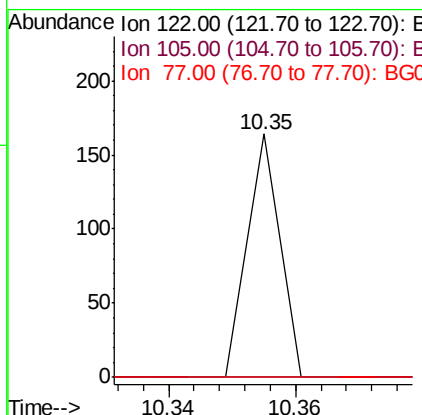
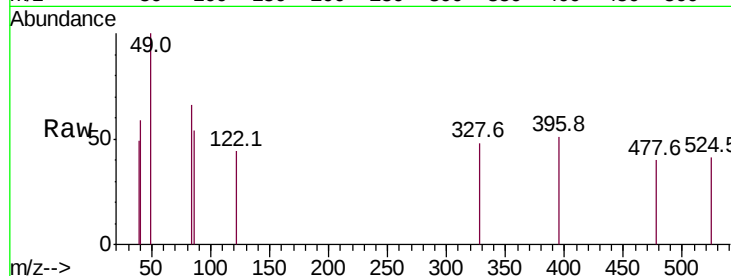




#32
Benzoic acid
Concen: 6.393 ng
RT: 10.35 min Scan# 1237
Delta R.T. 0.25 min
Lab File: BG045257.D
Acq: 6 May 2020 17:39

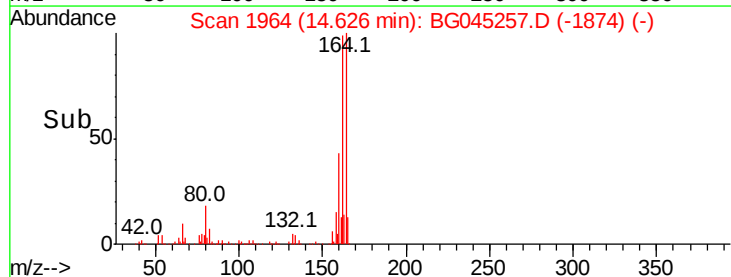
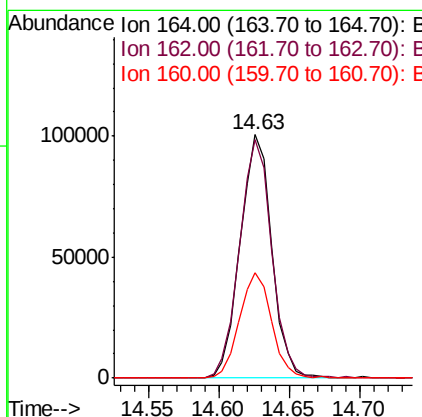
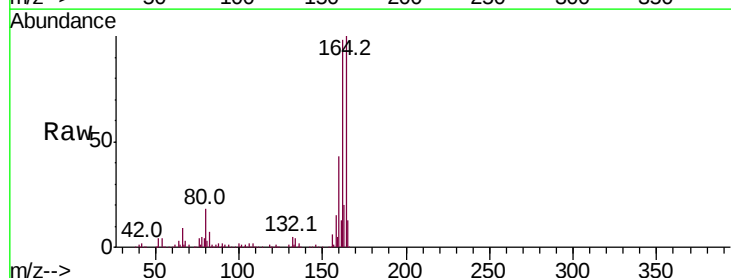
Instrument :
BNA_G
ClientSampleId :
6FT-TP-11

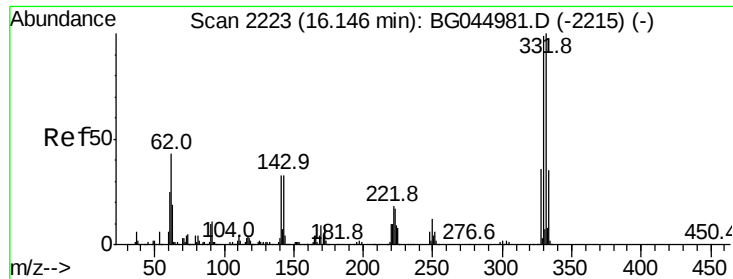
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045257.D
Acq: 6 May 2020 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.7	118.1
160	43.0	32.8	49.2

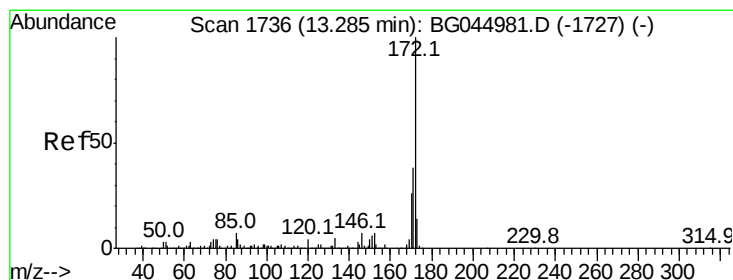
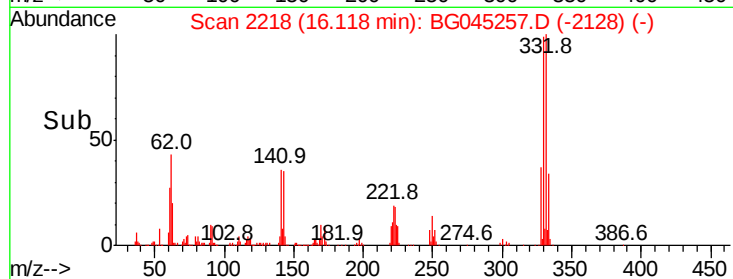
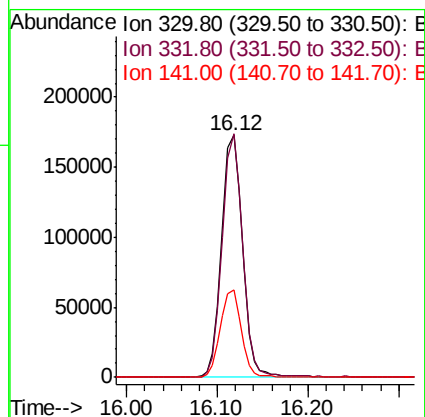
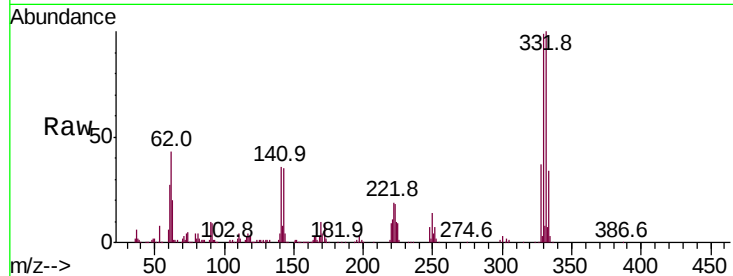




#42
 2,4,6-Tribromophenol
 Concen: 114.884 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045257.D
 Acq: 6 May 2020 17:39

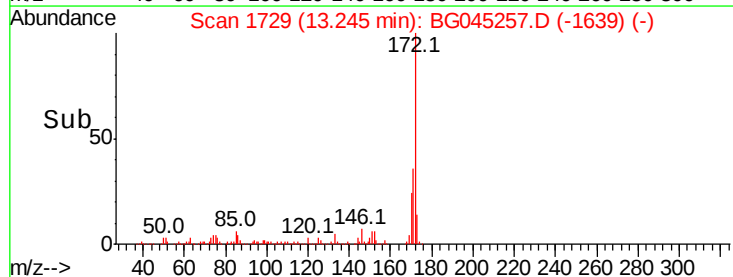
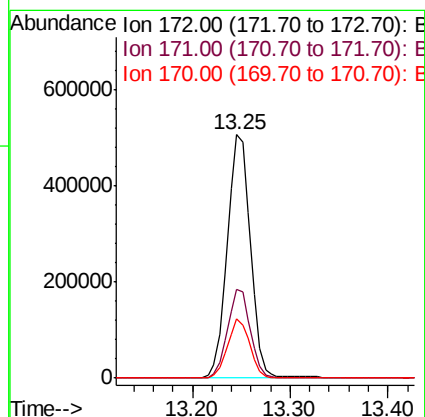
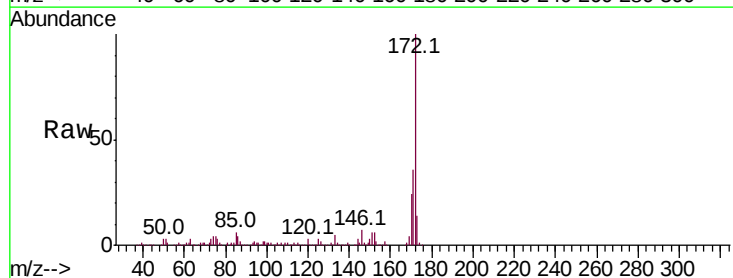
Instrument :
 BNA_G
 ClientSampleId :
 6FT-TP-11

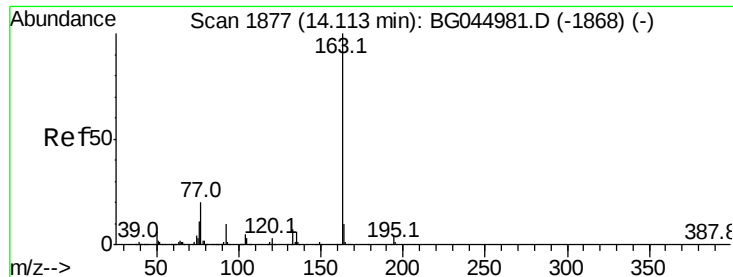
Tot Ion:	330	Resp:	279788
Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	35.7	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 77.929 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045257.D
 Acq: 6 May 2020 17:39

Tgt Ion:	172	Resp:	837817
Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	46.0
170	24.1	20.5	30.7





#50

Dimethylphthalate

Concen: 8.258 ng

RT: 14.07 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

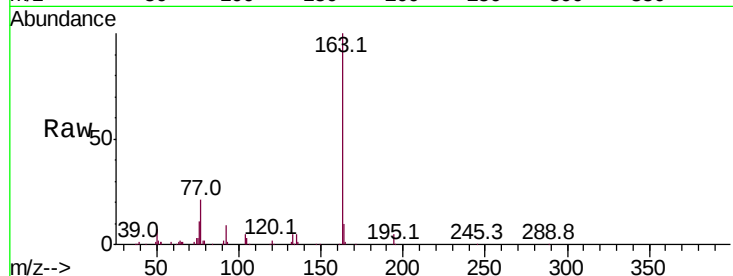
Tot Ion:163 Resp: 106006

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

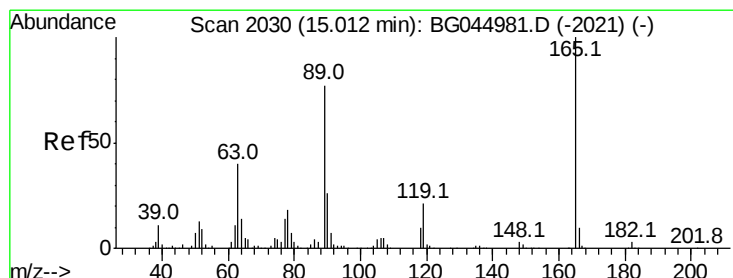
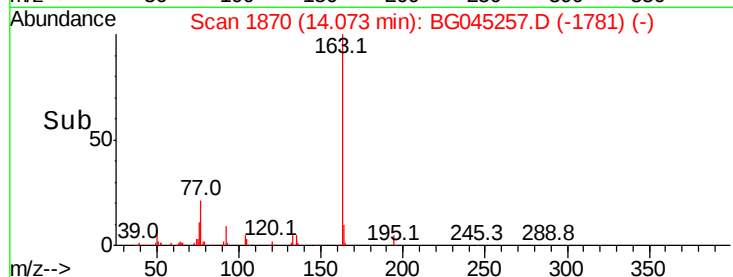
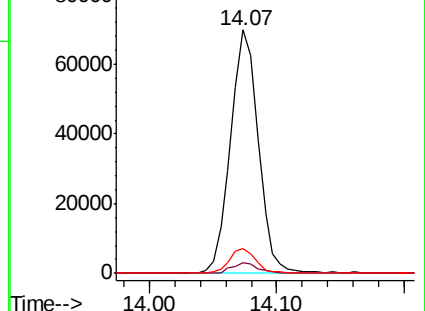
164 10.1 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 4.847 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Tgt Ion:165 Resp: 20335

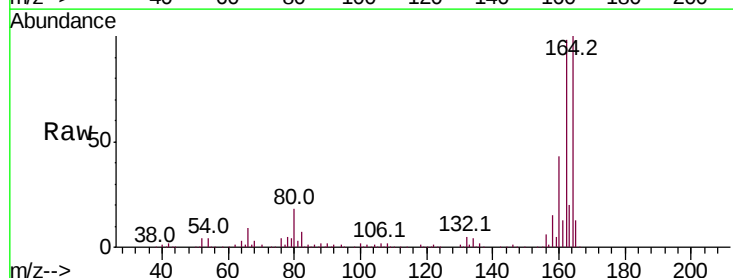
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 3.0 61.7 92.5#

182 0.0 2.0 3.0#

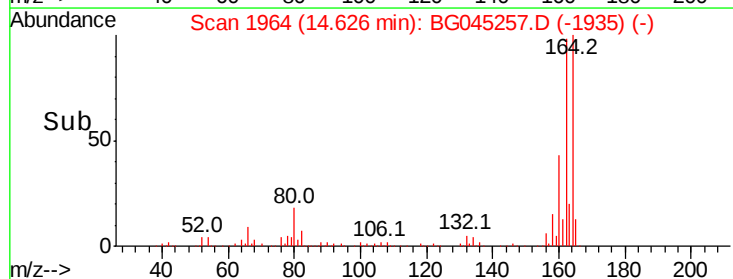
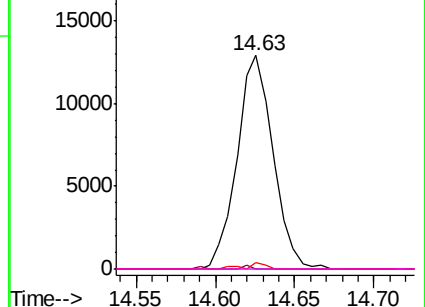


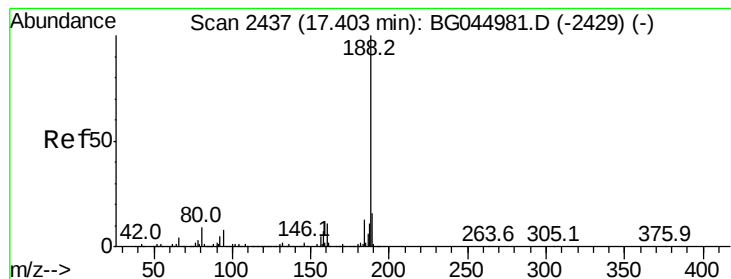
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

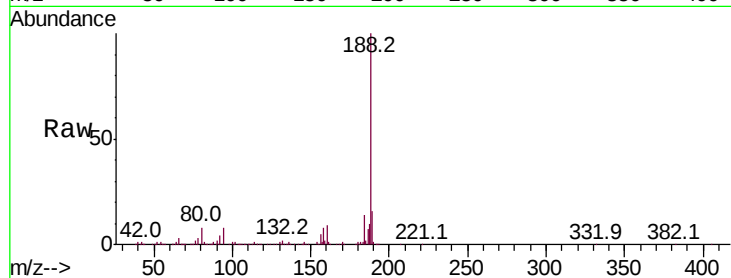
Tot Ion:188 Resp: 384099

Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.4

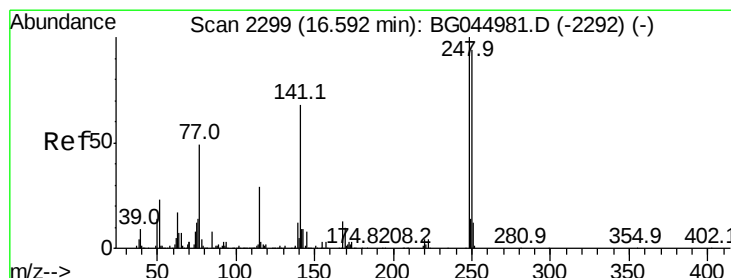
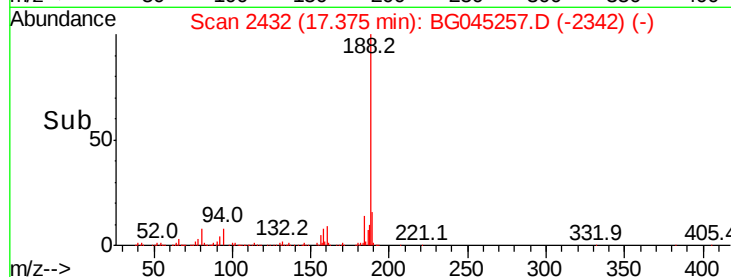
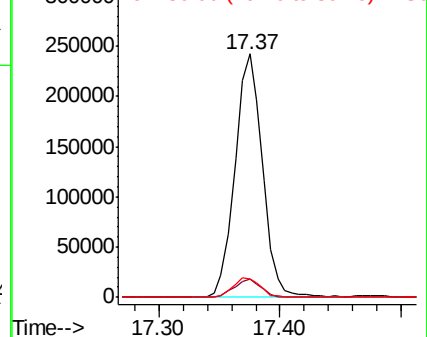
80 7.8 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.907 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

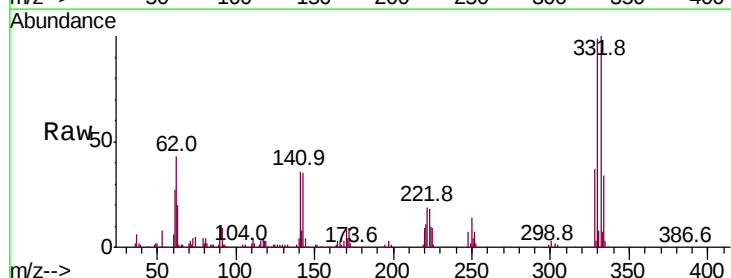
Tgt Ion:248 Resp: 19358

Ion Ratio Lower Upper

248 100

250 195.7 75.4 113.2#

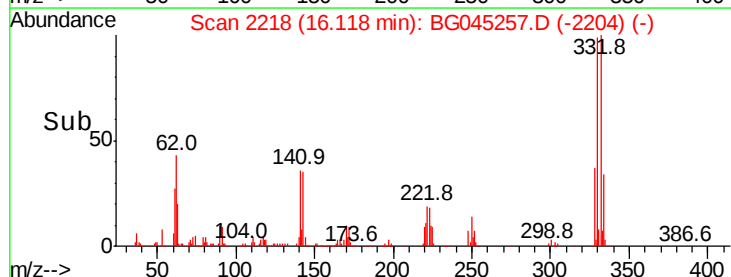
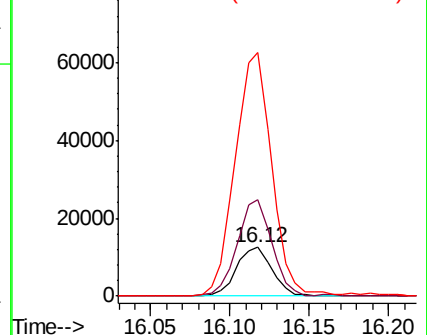
141 497.0 54.4 81.6#

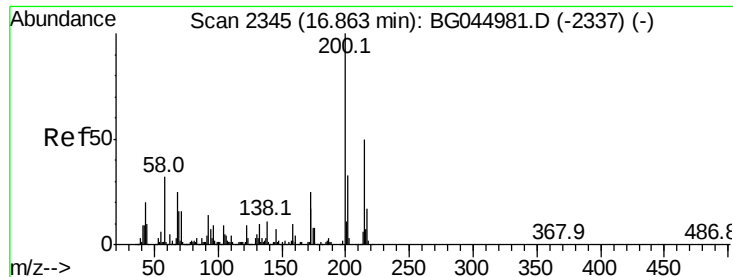


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.95 min Scan# 2360

Delta R.T. 0.12 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

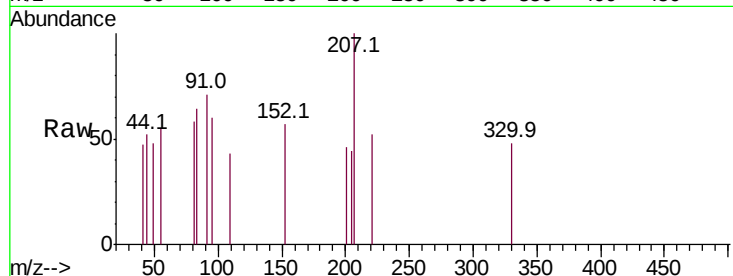
Tot Ion:200 Resp: 58

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 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

16.95

150

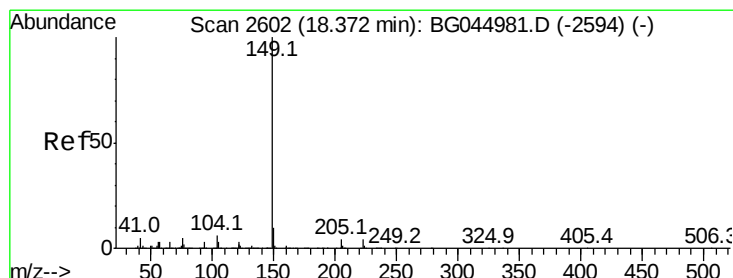
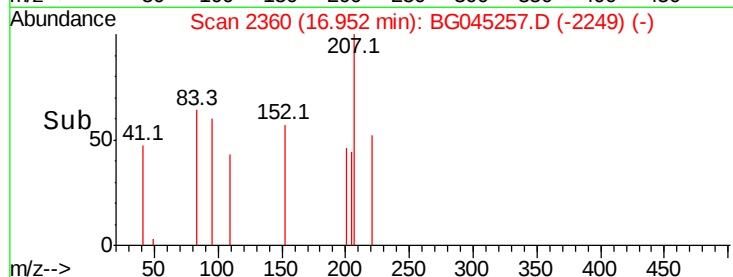
100

50

0

16.94 16.96

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

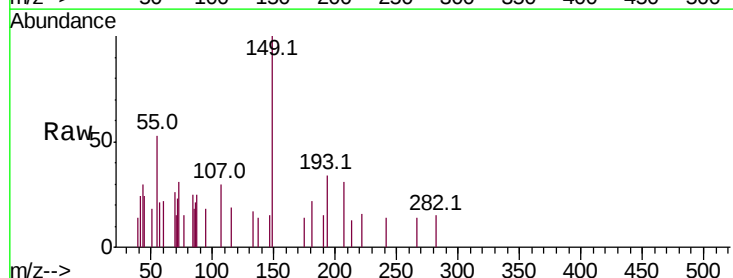
Tgt Ion:149 Resp: 1410

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 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

18.34

1500

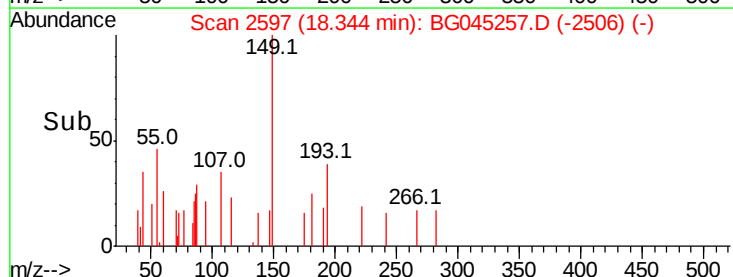
1000

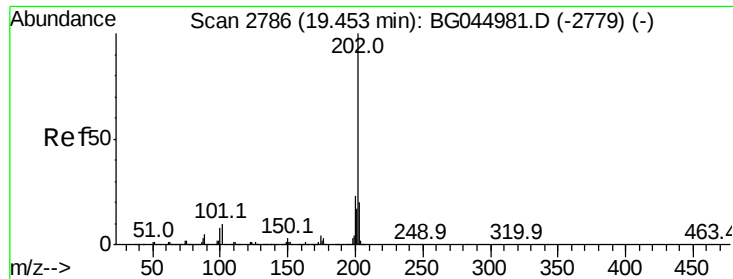
500

0

18.30 18.35 18.40

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

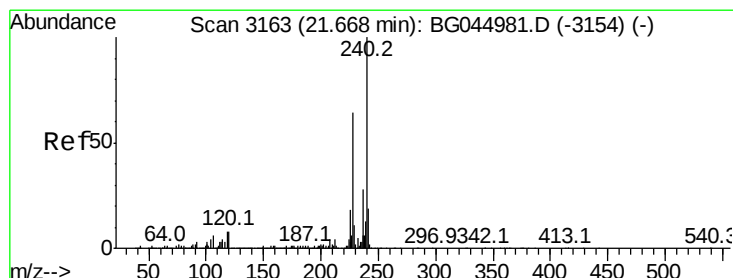
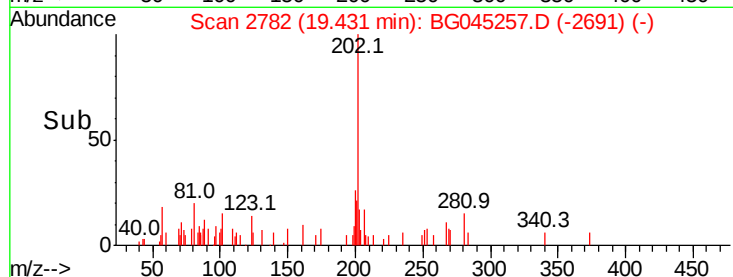
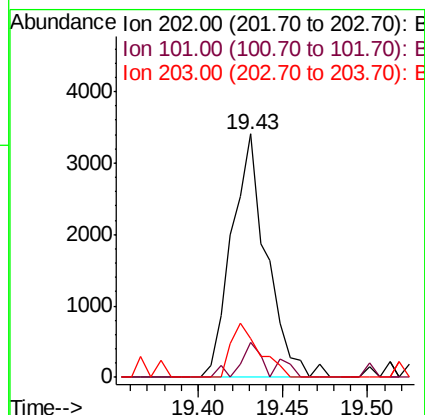
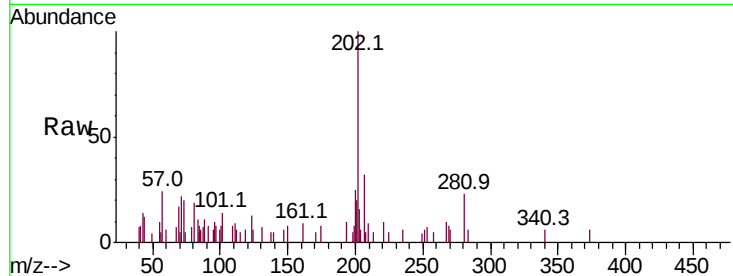
Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

Tot Ion:	202	Resp:	4909
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	29.6
203	15.9	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

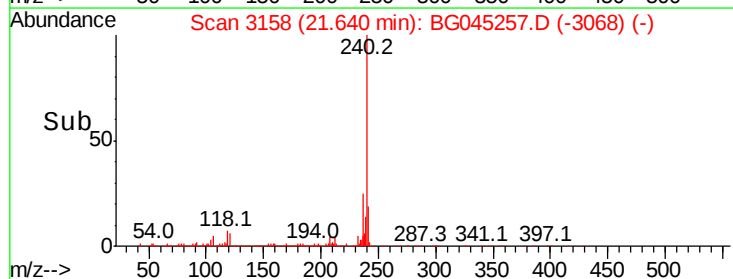
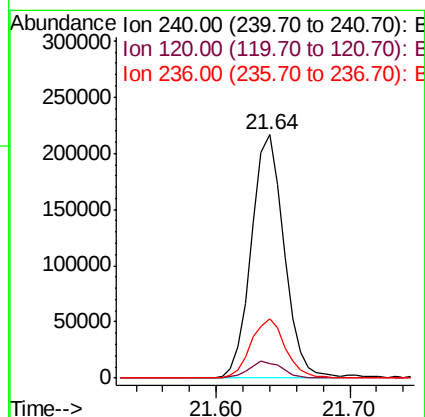
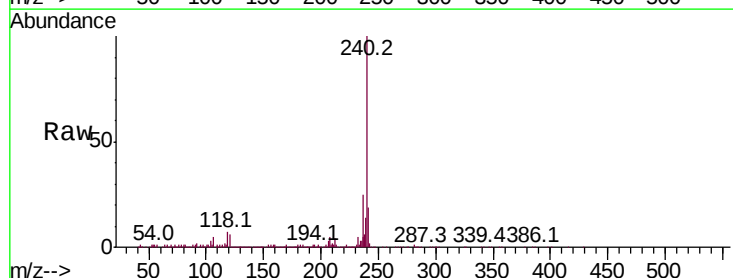
RT: 21.64 min Scan# 3158

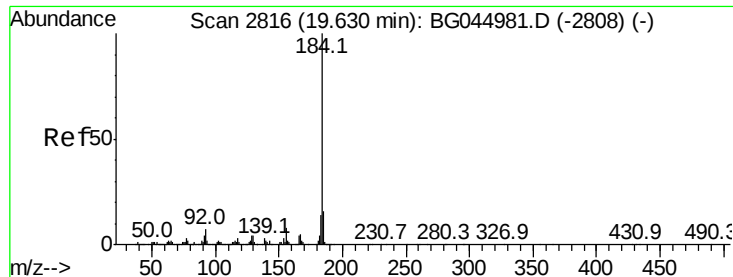
Delta R.T. -0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Tgt Ion:	240	Resp:	366262
Ion	Ratio	Lower	Upper
240	100		
120	6.2	6.6	10.0#
236	24.6	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

Instrument :

BNA_G

ClientSampleId :

6FT-TP-11

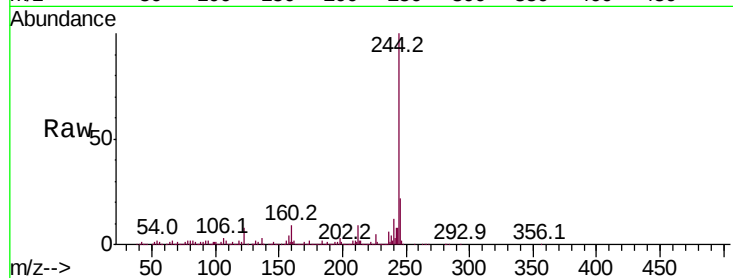
Tot Ion:184 Resp: 28727

Ion Ratio Lower Upper

184 100

185 13.9 12.6 19.0

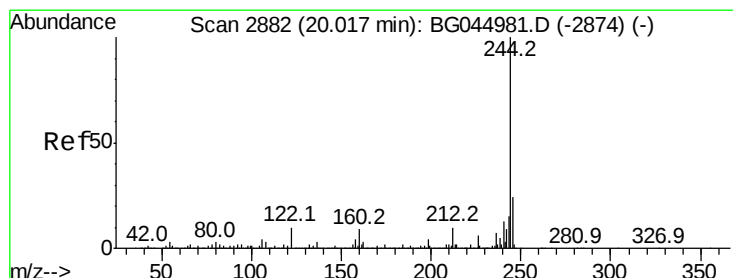
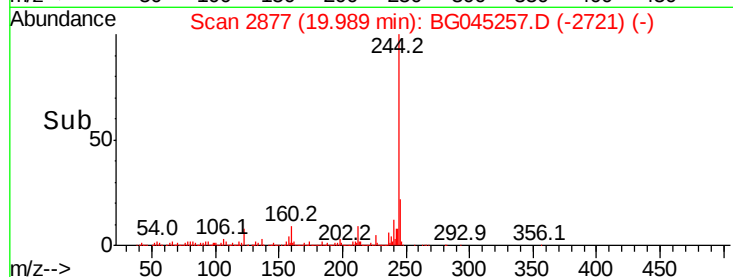
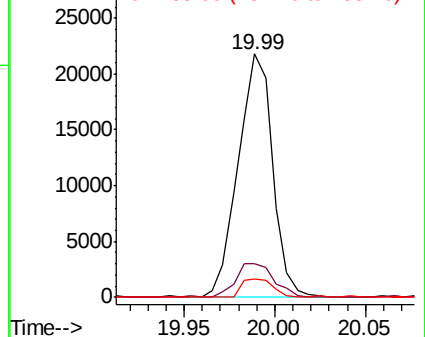
183 7.7 11.3 16.9#



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: 93.309 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045257.D

Acq: 6 May 2020 17:39

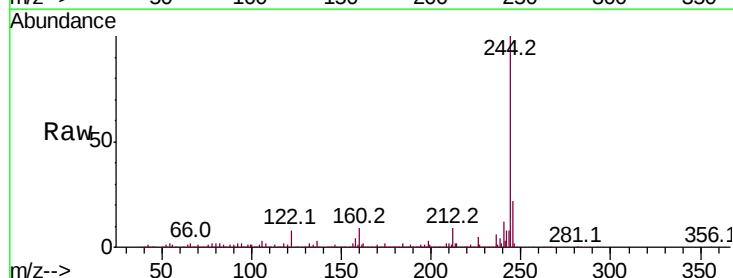
Tgt Ion:244 Resp: 1567991

Ion Ratio Lower Upper

244 100

212 9.1 7.9 11.9

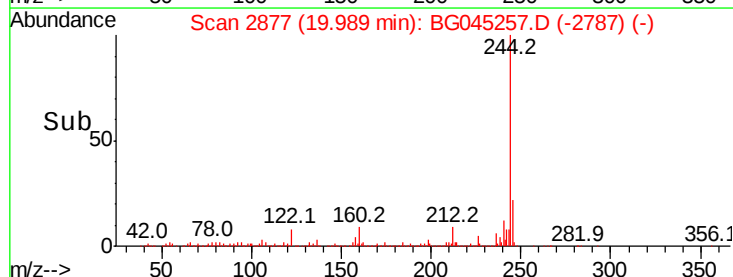
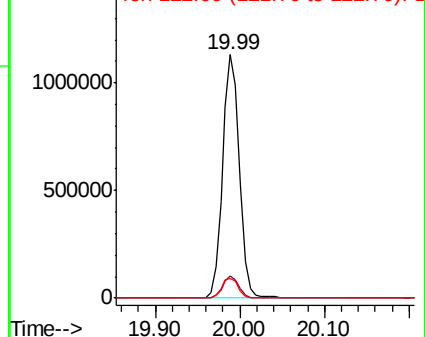
122 8.2 7.7 11.5

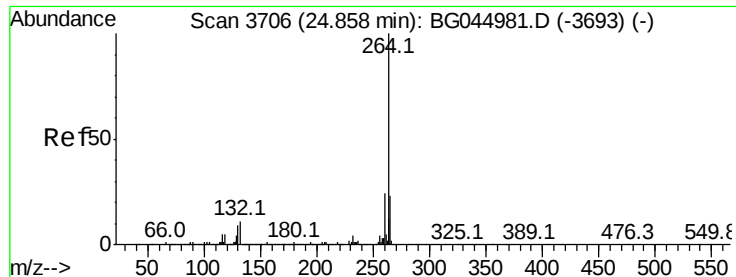


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.82 min Scan# 3699
Delta R.T. 0.00 min
Lab File: BG045257.D
Acq: 6 May 2020 17:39

Instrument :
BNA_G
ClientSampleId :
6FT-TP-11

Tot Ion:	264	Resp:	394097
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	19.0	28.4

