

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050620\
 Data File : BG045258.D
 Acq On : 6 May 2020 18:19
 Operator : CG/JU
 Sample : L2491-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 6FT-TP-10

Quant Time: May 06 19:08:35 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	55322	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	219980	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	165316	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	396428	20.00	ng	0.00
76) Chrysene-d12	21.64	240	376564	20.00	ng	0.00
87) Perylene-d12	24.81	264	399395	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	291654	87.04	ng	0.00
7) Phenol-d6	7.15	99	420523	84.47	ng	0.00
23) Nitrobenzene-d5	9.14	82	302893	62.83	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	239108	93.62	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	746160	66.18	ng	0.00
79) Terphenyl-d14	19.99	244	1324099	76.64	ng	0.00

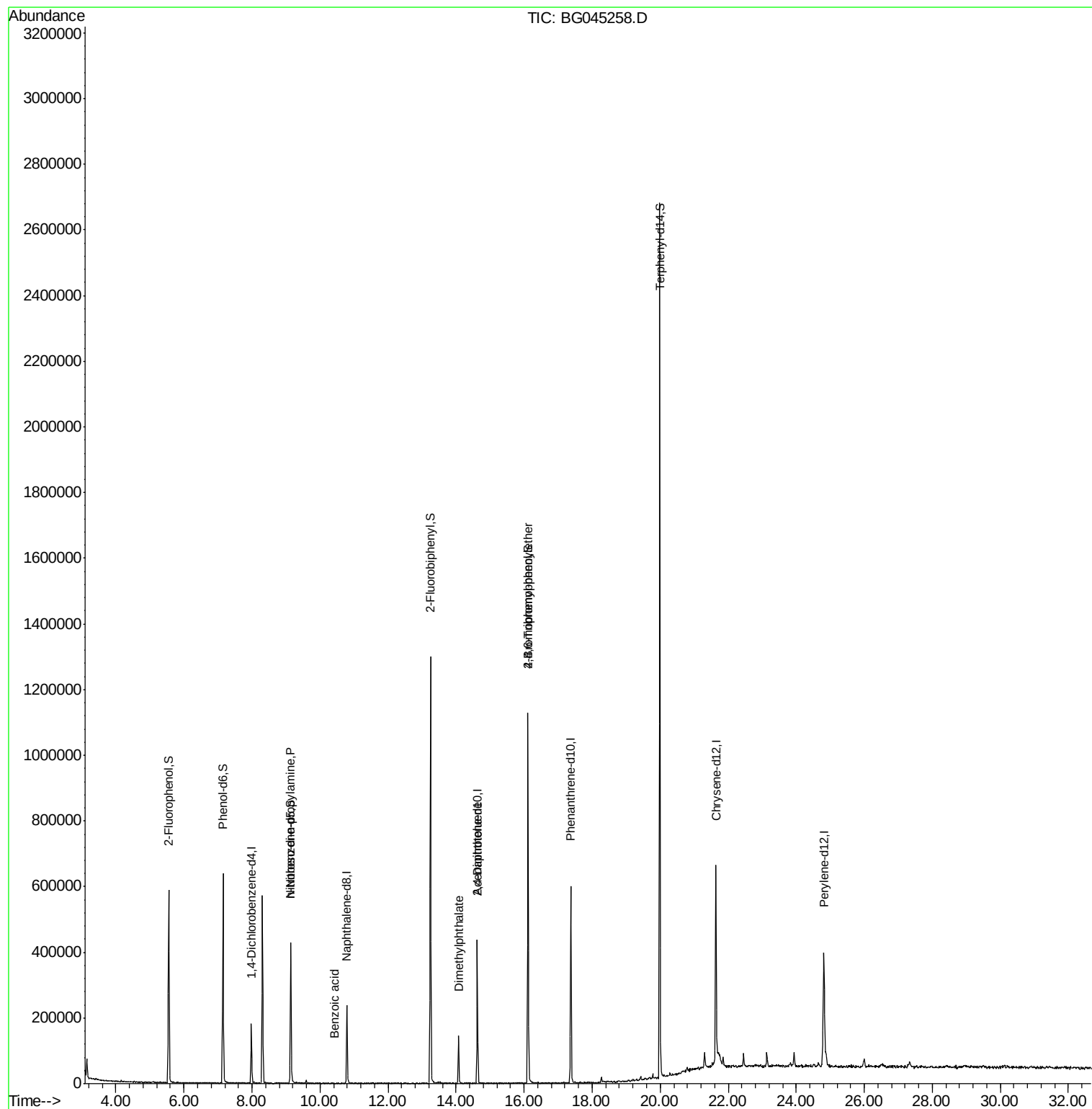
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	877	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	40758	11.576 ng	#	79
32) Benzoic acid	10.43	122	78	6.399 ng	#	1
50) Dimethylphthalate	14.07	163	99010	7.355 ng		99
57) 2,4-Dinitrotoluene	14.62	165	21571	4.903 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	16128	3.154 ng	#	1
74) Di-n-butylphthalate	18.34	149	963	Below Cal	#	76
75) Fluoranthene	19.42	202	7540	Below Cal		91
77) Benzidine	19.99	184	24985	Below Cal	#	91

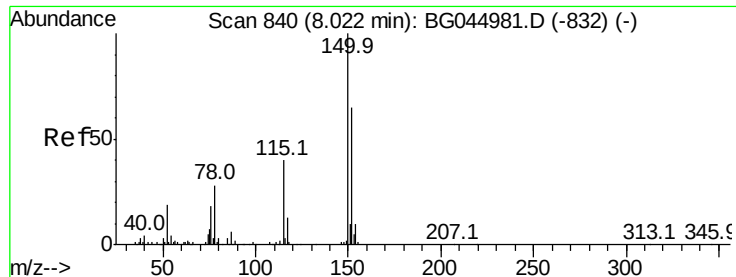
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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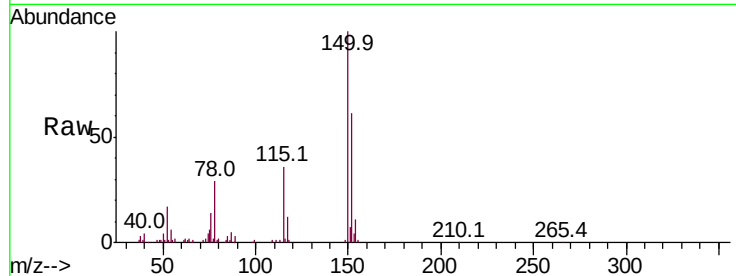


#1

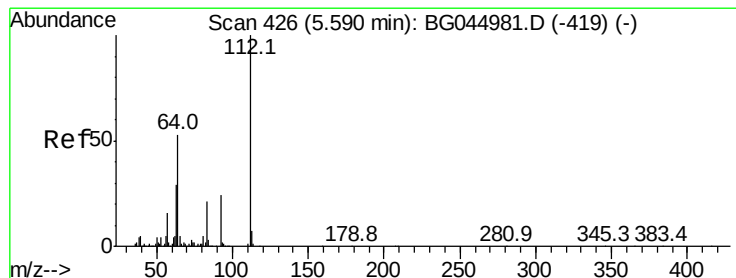
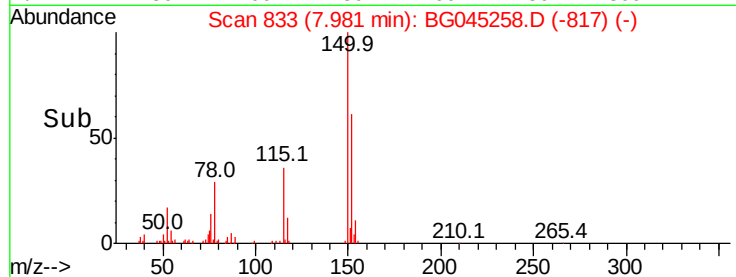
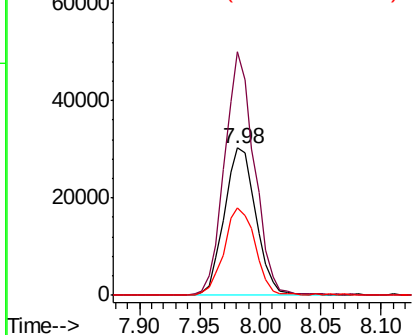
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045258.D
Acq: 6 May 2020 18:19

Instrument :
BNA_G
ClientSampleId :
6FT-TP-10

Tot Ion:152 Resp: 55322
Ion Ratio Lower Upper
152 100
150 165.0 123.6 185.4
115 59.2 49.1 73.7



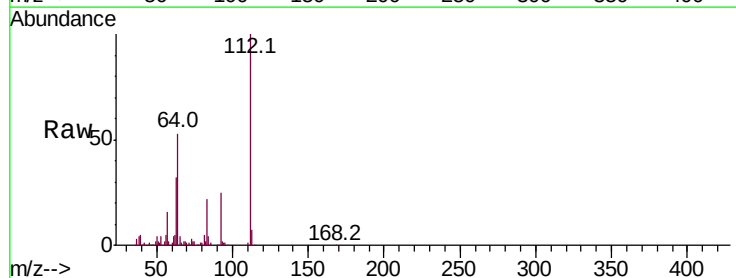
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



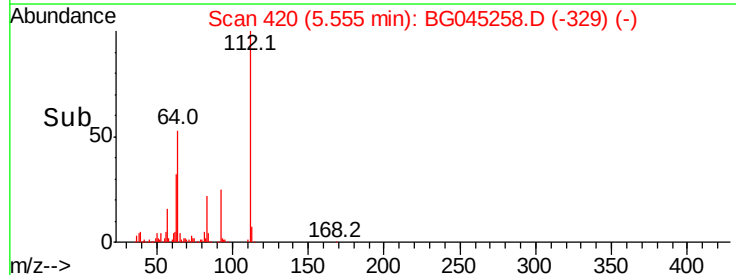
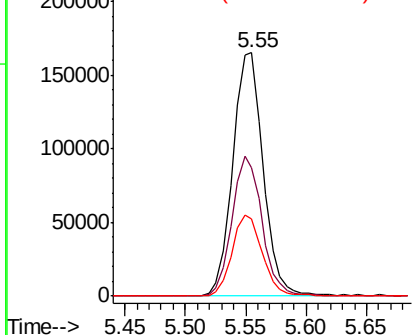
#5

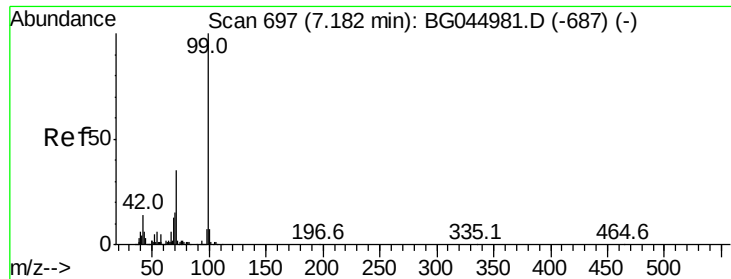
2-Fluorophenol
Concen: 87.037 ng
RT: 5.55 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045258.D
Acq: 6 May 2020 18:19

Tgt Ion:112 Resp: 291654
Ion Ratio Lower Upper
112 100
64 52.8 42.4 63.6
63 31.6 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: 84.465 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

BNA_G

ClientSampleId :

6FT-TP-10

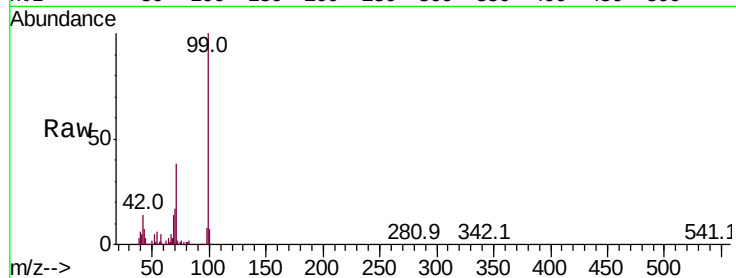
Tot Ion: 99 Resp: 420523

Ion Ratio Lower Upper

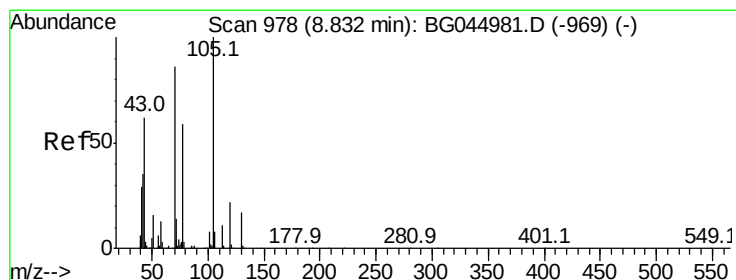
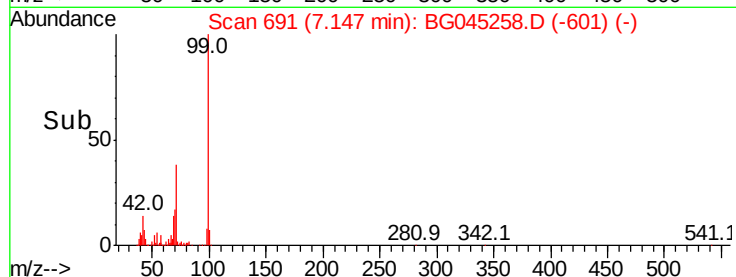
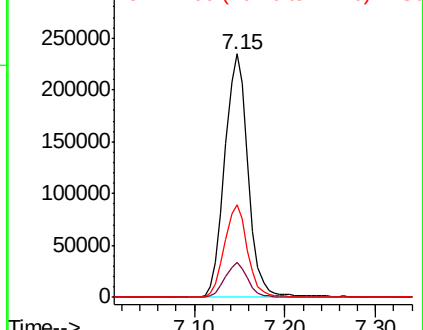
99 100

42 14.2 11.3 16.9

71 38.2 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: 11.576 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Tgt Ion: 70 Resp: 40758

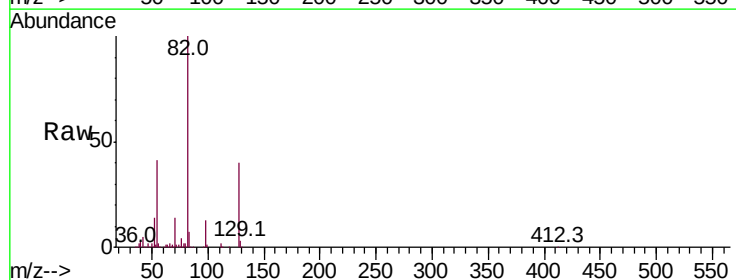
Ion Ratio Lower Upper

70 100

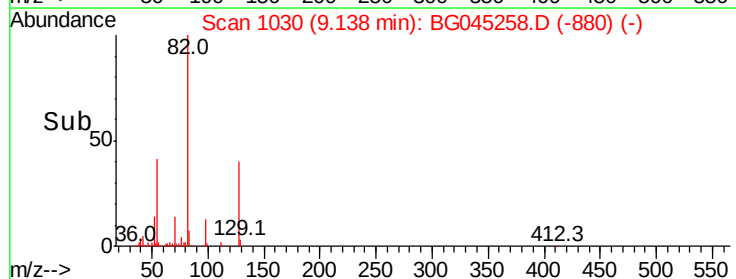
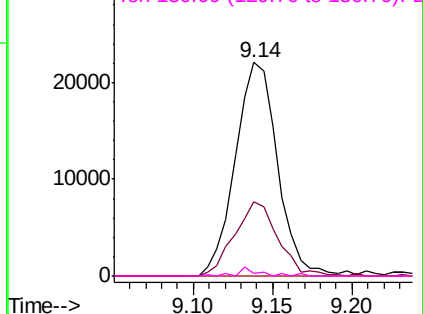
42 34.8 33.3 49.9

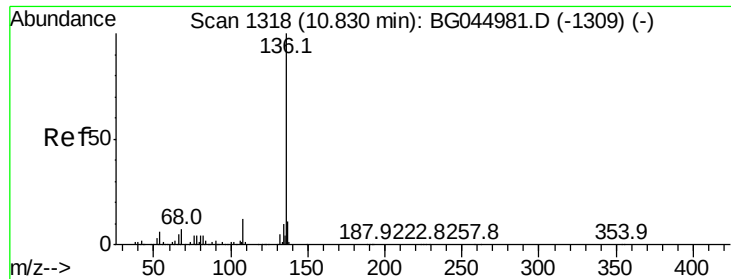
101 0.0 7.8 11.8#

130 1.2 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

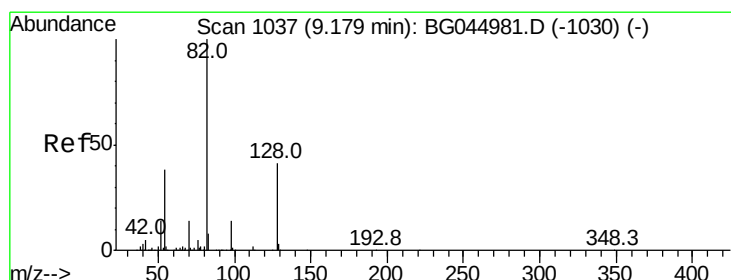
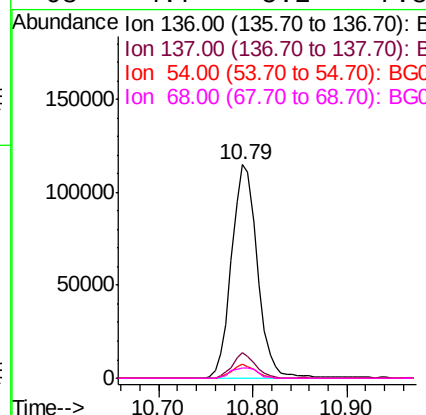
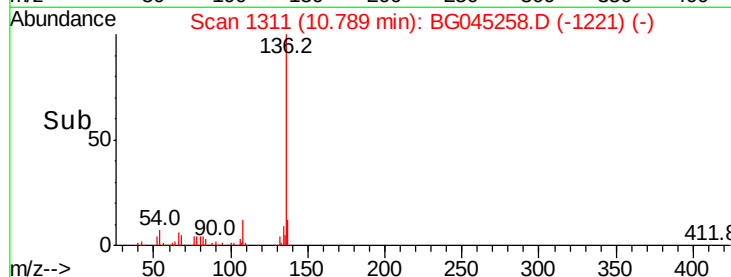
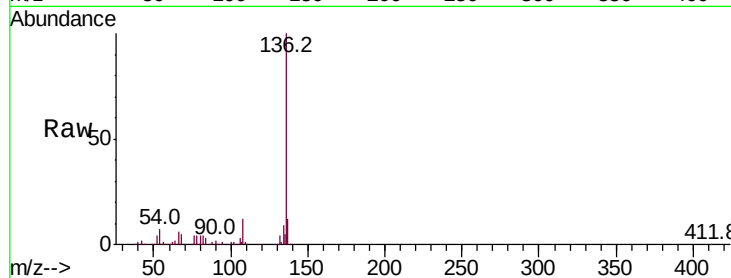




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045258.D
Acq: 6 May 2020 18:19

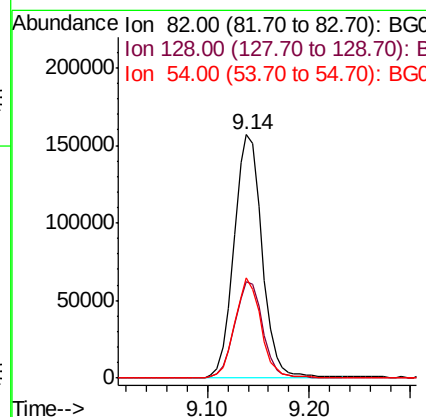
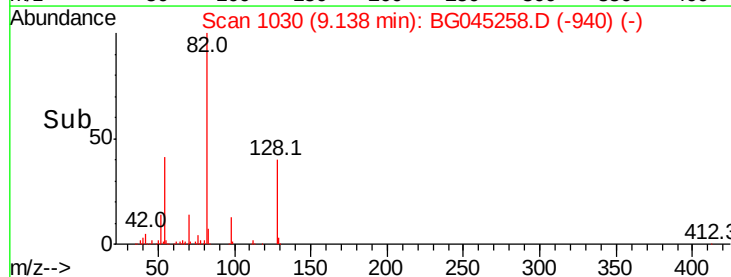
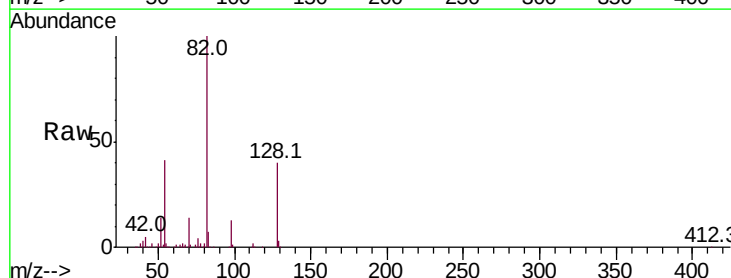
Instrument :
BNA_G
ClientSampleId :
6FT-TP-10

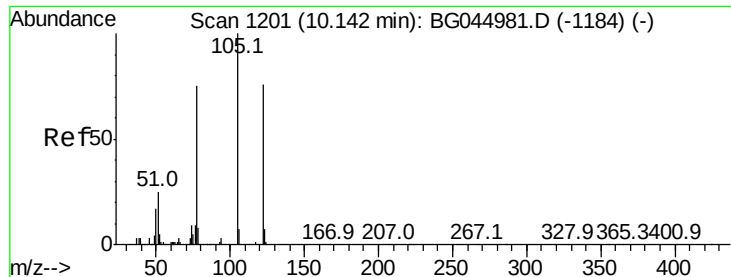
Tot Ion:136	Resp:	219980
Ion Ratio	Lower	Upper
136 100		
137 11.9	8.6	13.0
54 6.6	4.8	7.2
68 4.7	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 62.827 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045258.D
Acq: 6 May 2020 18:19

Tgt Ion	82	Resp: Lower	302893 Upper
	Ratio 100		
128	39.8	33.0	49.4
54	41.3	30.4	45.6





#32

Benzoic acid

Concen: 6.399 ng

RT: 10.43 min Scan# 1250

Delta R.T. 0.33 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

BNA_G

ClientSampled :

6FT-TP-10

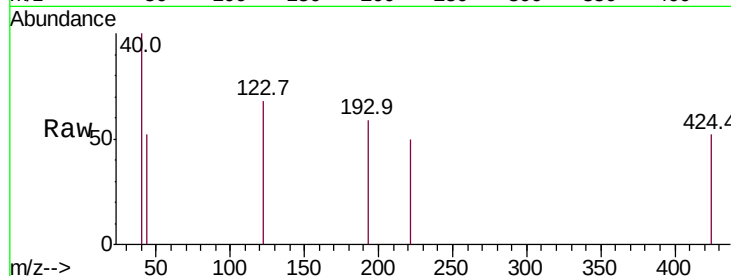
Tot Ion:122 Resp: 78

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

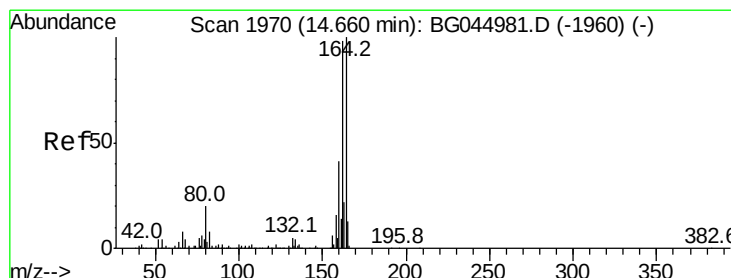
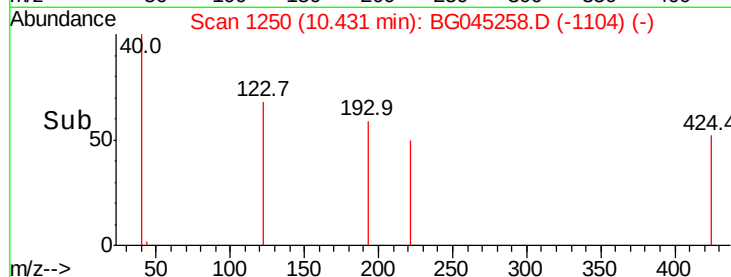
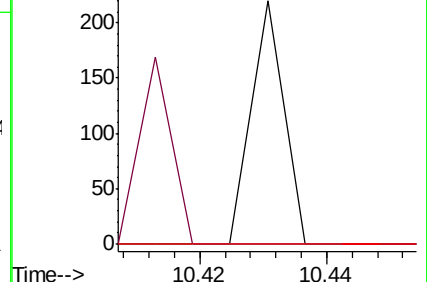
77 0.0 78.8 118.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

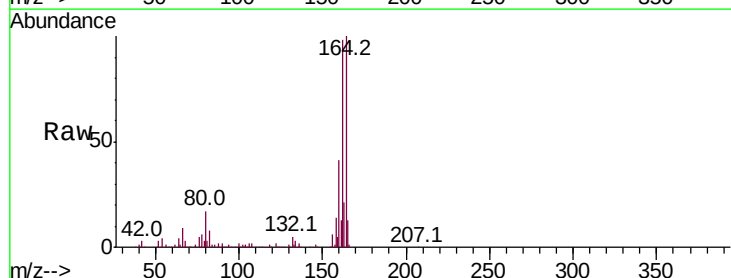
Tgt Ion:164 Resp: 165316

Ion Ratio Lower Upper

164 100

162 97.8 78.7 118.1

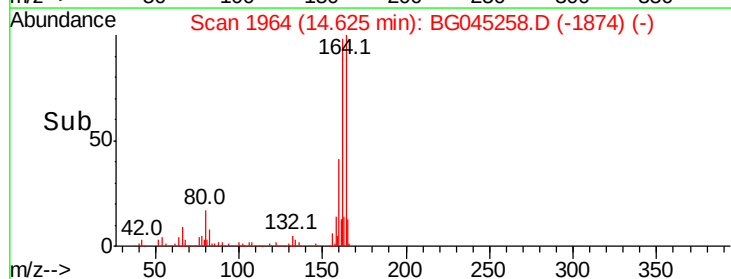
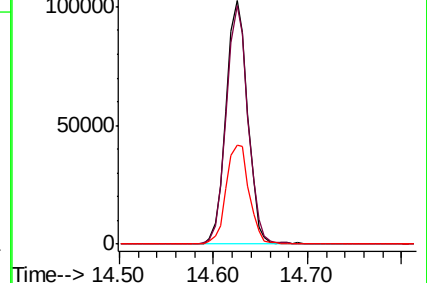
160 40.9 32.8 49.2

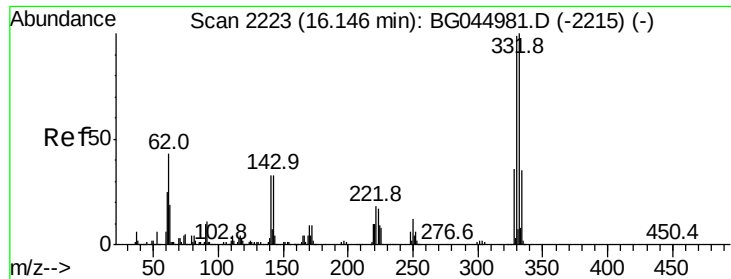


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

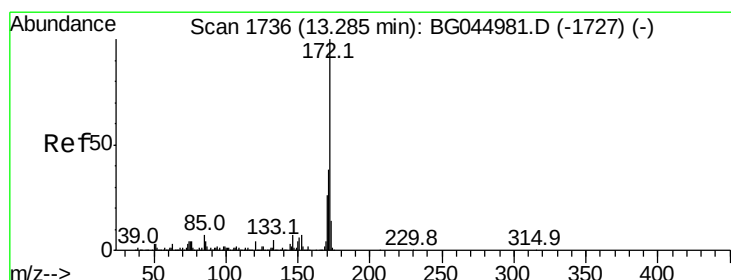
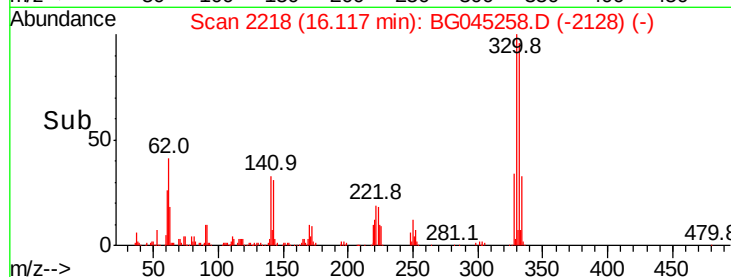
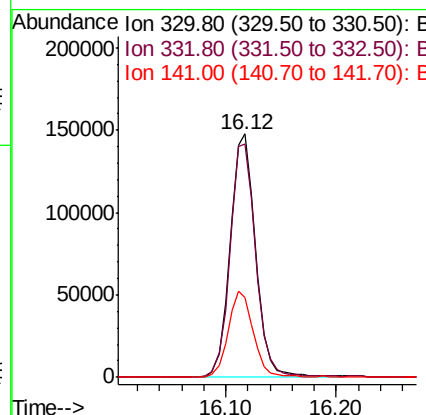
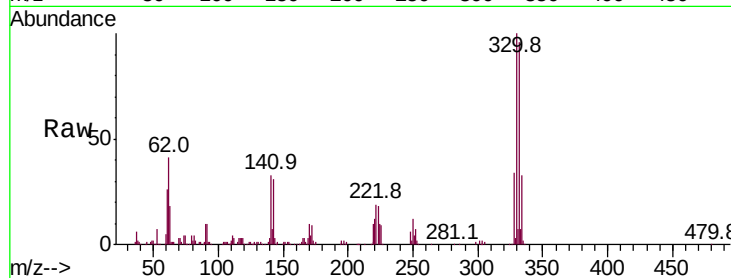




#42
 2,4,6-Tribromophenol
 Concen: 93.624 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045258.D
 Acq: 6 May 2020 18:19

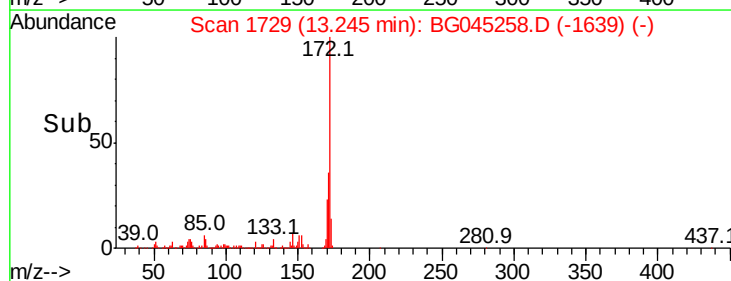
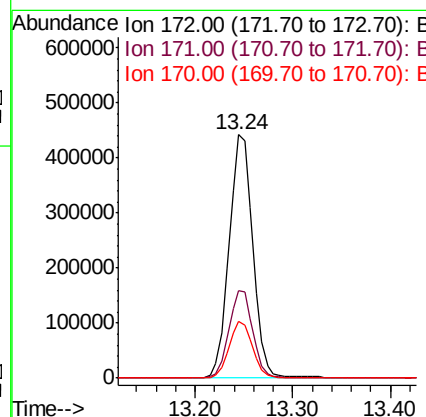
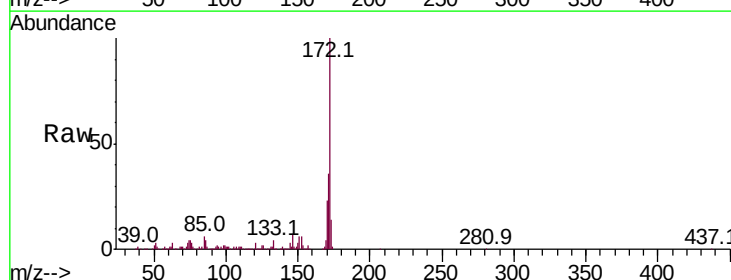
Instrument :
 BNA_G
 ClientSampleId :
 6FT-TP-10

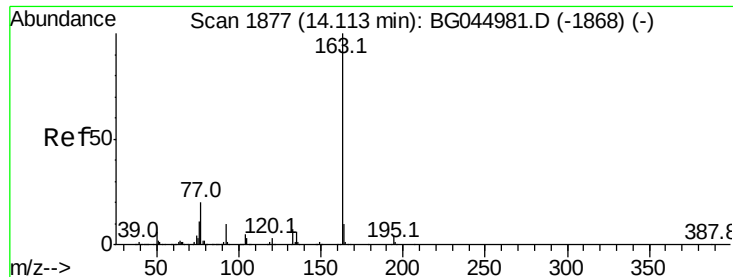
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	34.7	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 66.183 ng
 RT: 13.24 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045258.D
 Acq: 6 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	46.0
170	23.1	20.5	30.7





#50

Dimethylphthalate

Concen: 7.355 ng

RT: 14.07 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

BNA_G

ClientSampleId :

6FT-TP-10

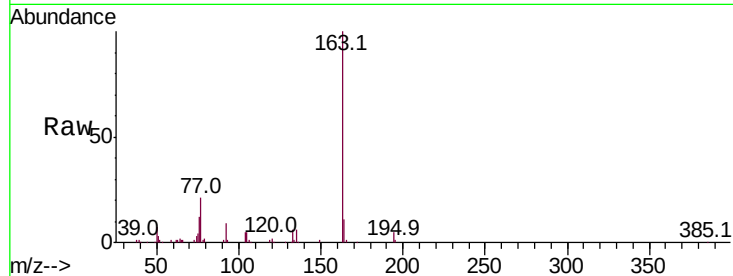
Tot Ion:163 Resp: 99010

Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

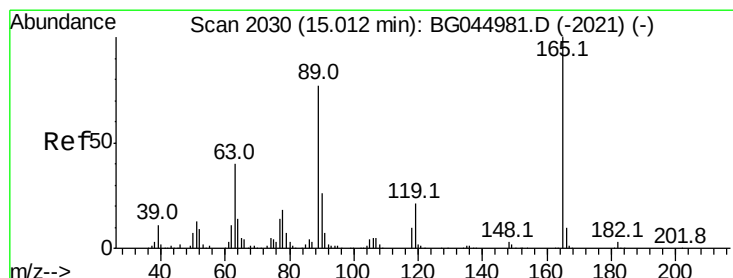
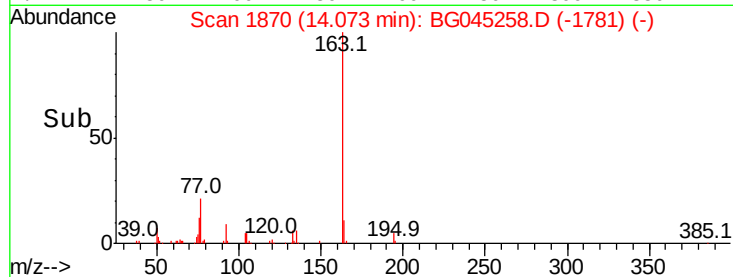
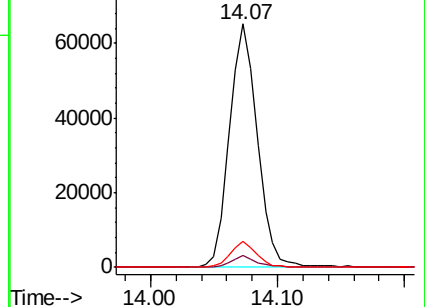
164 10.5 8.2 12.4



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: 4.903 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Tgt Ion:165 Resp: 21571

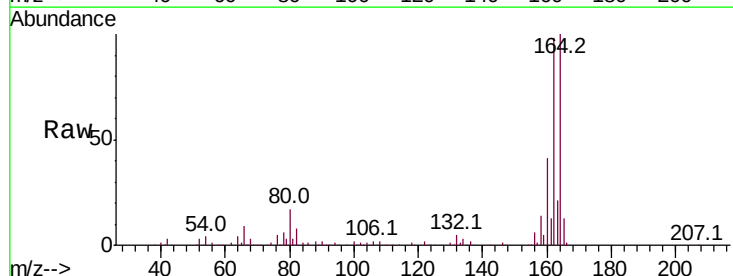
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.5 61.7 92.5#

182 0.0 2.0 3.0#

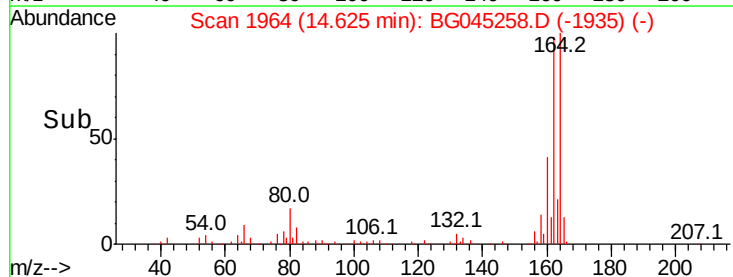
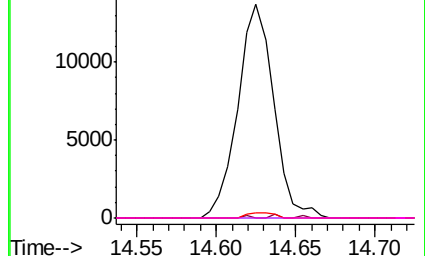


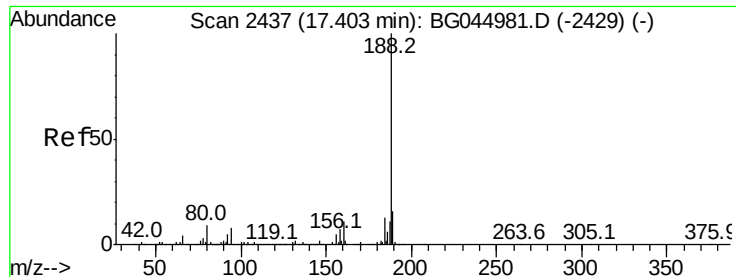
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

BNA_G

ClientSampleId :

6FT-TP-10

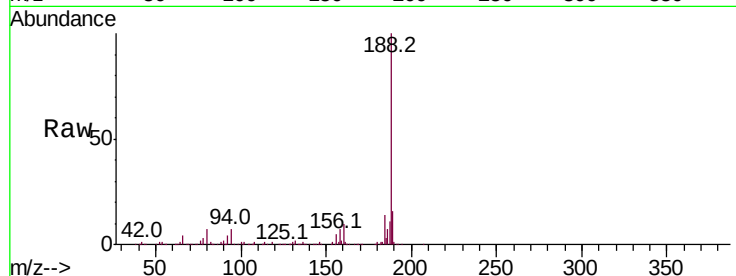
Tot Ion:188 Resp: 396428

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

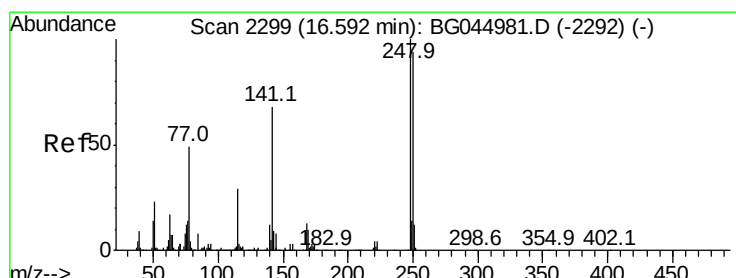
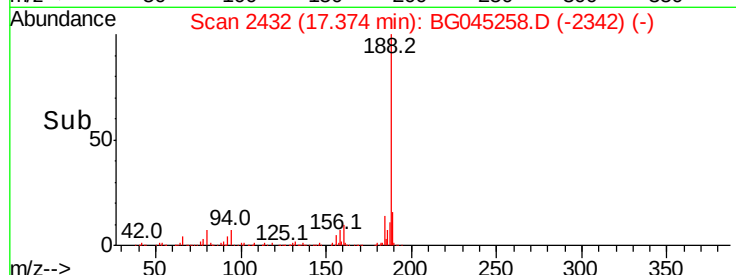
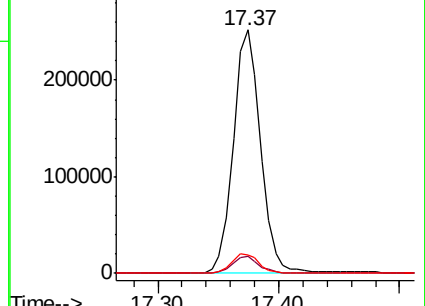
80 7.4 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.154 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

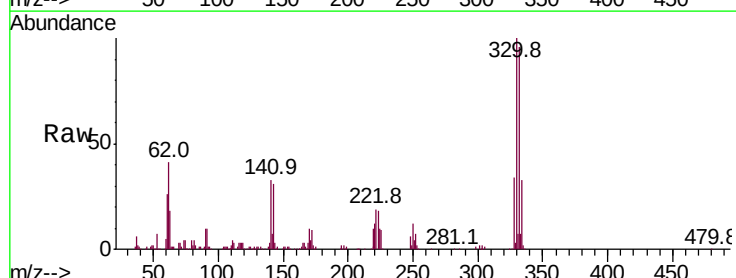
Tgt Ion:248 Resp: 16128

Ion Ratio Lower Upper

248 100

250 191.3 75.4 113.2#

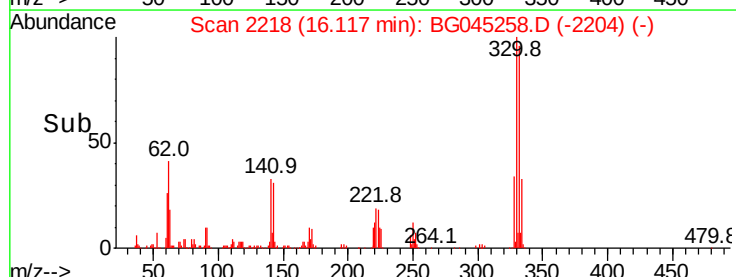
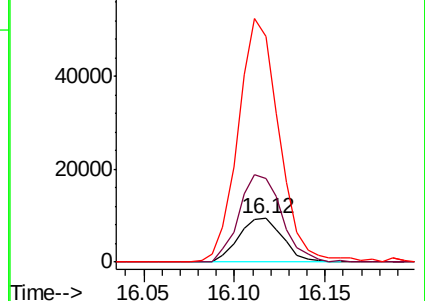
141 514.7 54.4 81.6#

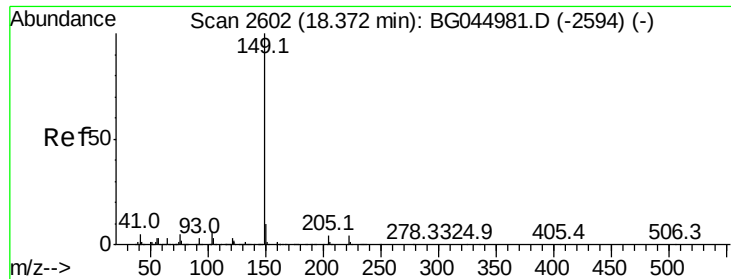


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

BNA_G

ClientSampleId :

6FT-TP-10

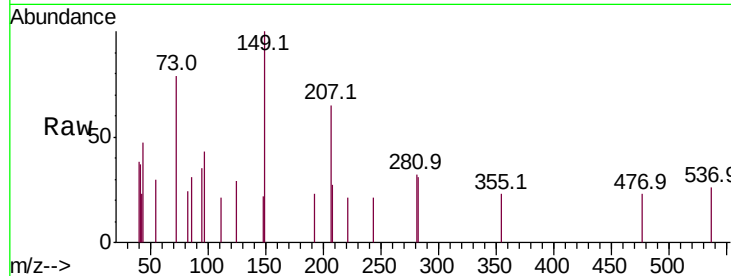
Tot Ion:149 Resp: 963

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

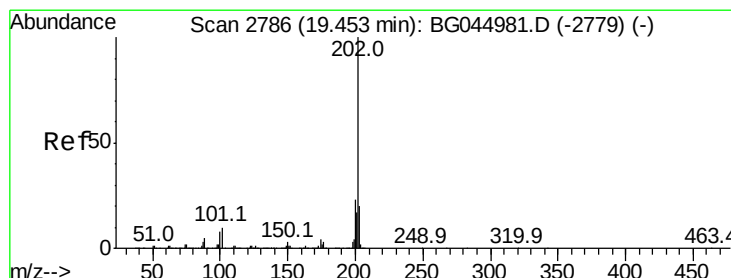
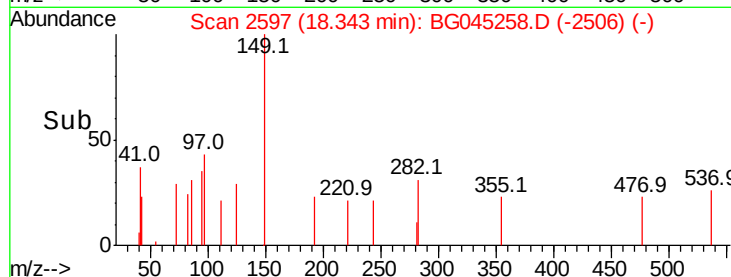
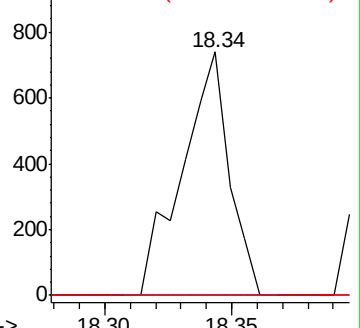
104 0.0 4.8 7.2#



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



#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

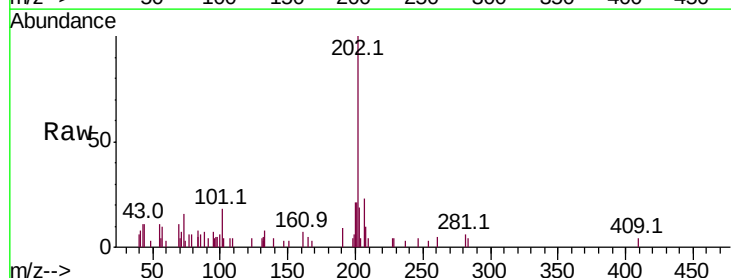
Tgt Ion:202 Resp: 7540

Ion Ratio Lower Upper

202 100

101 18.4 0.0 29.6

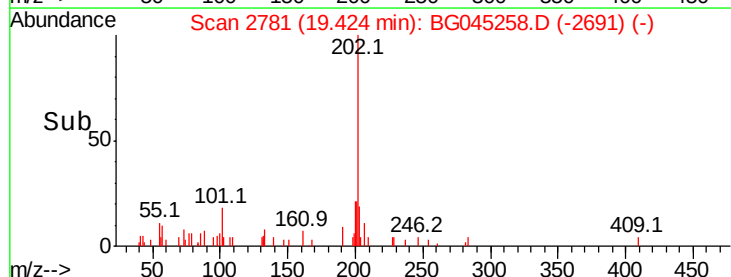
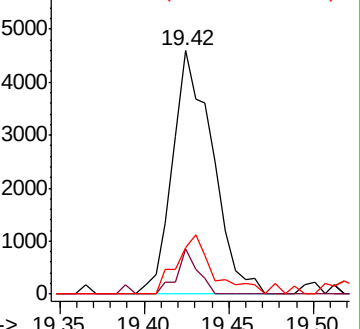
203 18.9 0.0 39.7

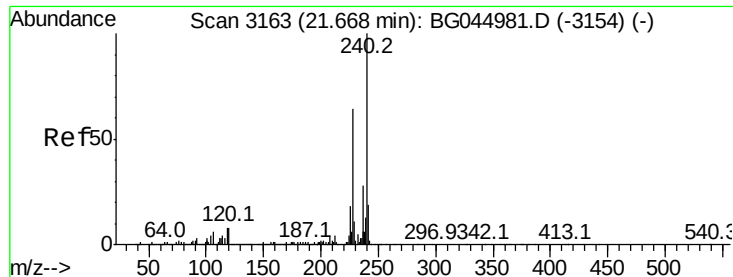


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

BNA_G

ClientSampleID :

6FT-TP-10

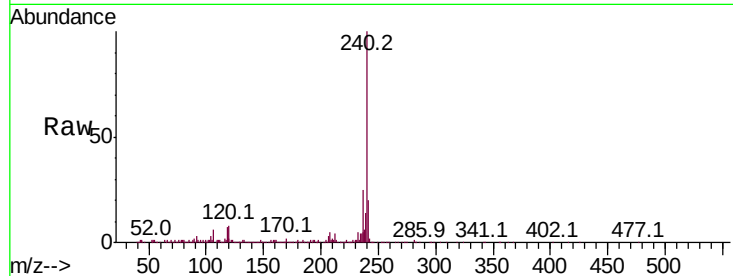
Tot Ion:240 Resp: 376564

Ion Ratio Lower Upper

240 100

120 7.6 6.6 10.0

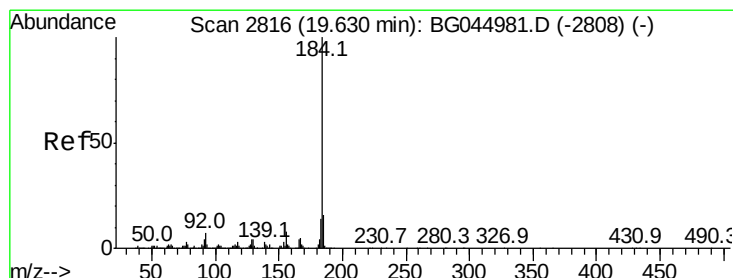
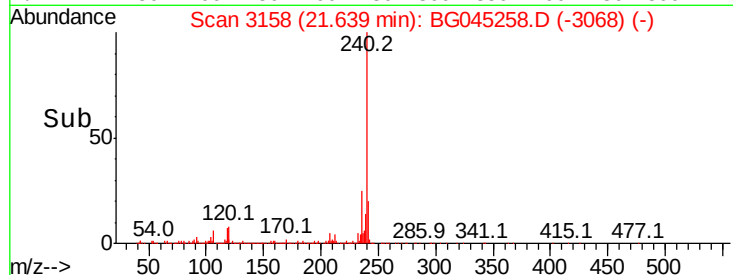
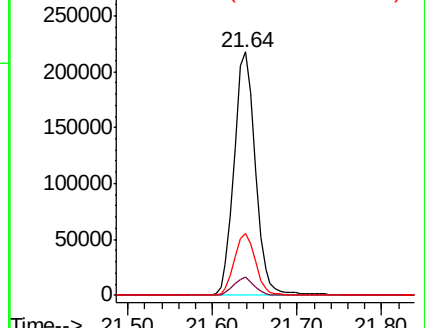
236 25.3 22.2 33.2



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: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

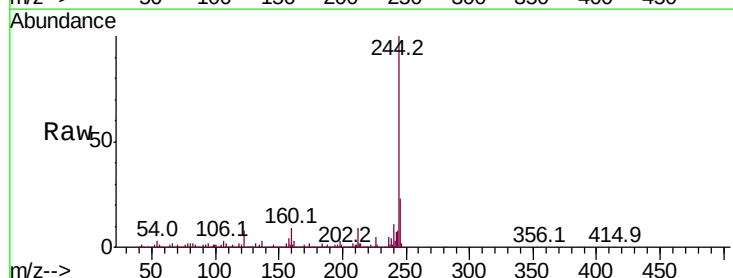
Tgt Ion:184 Resp: 24985

Ion Ratio Lower Upper

184 100

185 16.5 12.6 19.0

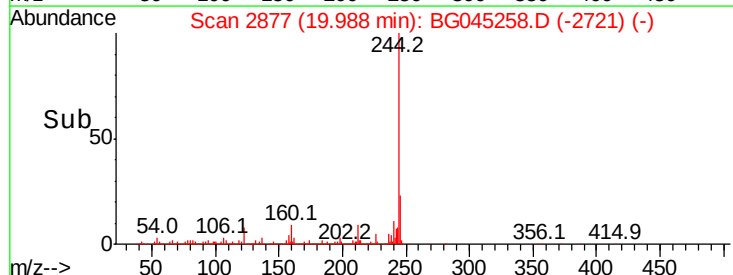
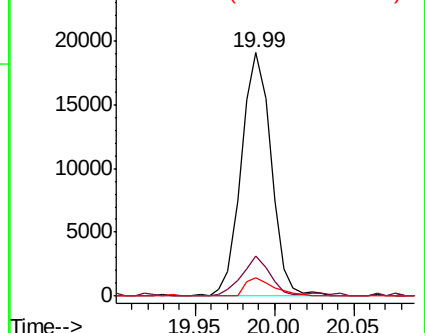
183 7.3 11.3 16.9#

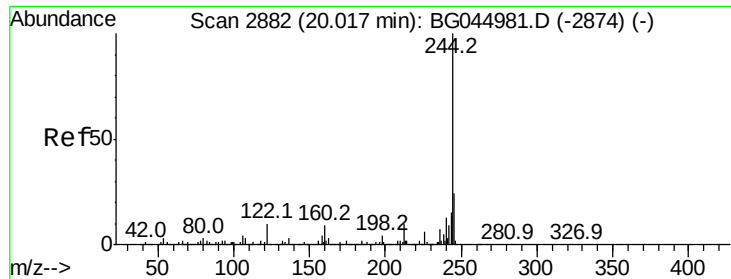


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 76.639 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Instrument :

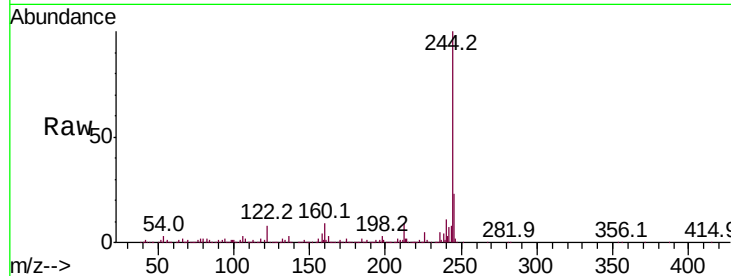
BNA_G

ClientSampleId :

6FT-TP-10

Tot Ion:244 Resp: 1324099

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.9	11.9
122	8.2	7.7	11.5

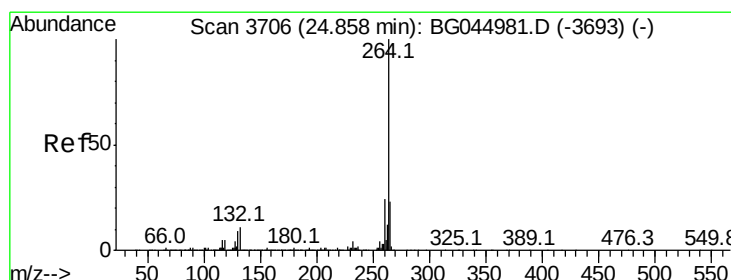
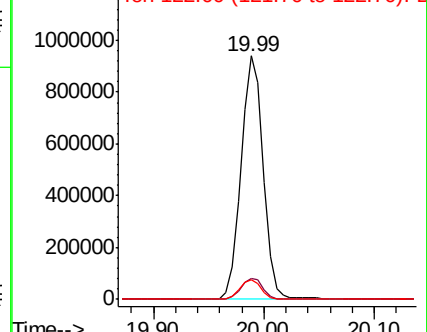
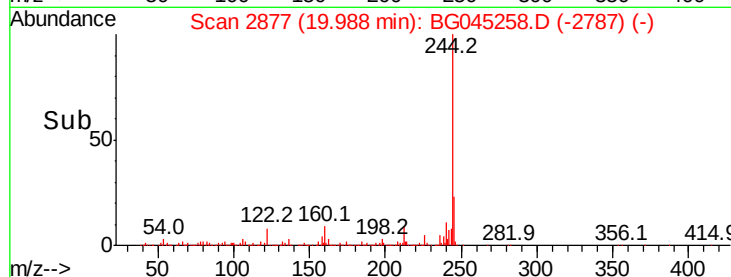


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3698

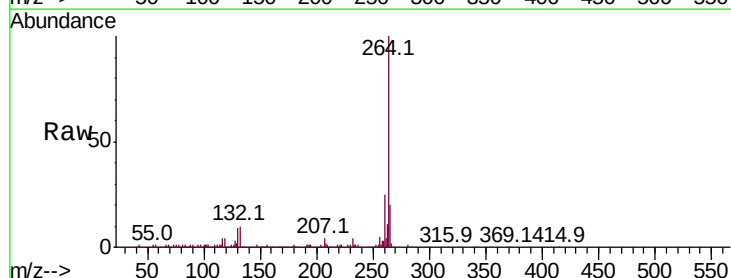
Delta R.T. -0.00 min

Lab File: BG045258.D

Acq: 6 May 2020 18:19

Tgt Ion:264 Resp: 399395

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	19.9	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

