

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051220\
 Data File : BG045333.D
 Acq On : 12 May 2020 17:46
 Operator : CG/JU
 Sample : PB128808BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128808BL

Quant Time: May 12 18:52:11 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	58608	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	217187	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	151349	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	365509	20.00	ng	0.00
76) Chrysene-d12	21.63	240	414298	20.00	ng	0.00
87) Perylene-d12	24.79	264	445257	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	343789	96.84	ng	0.00
7) Phenol-d6	7.14	99	470456	89.20	ng	0.00
23) Nitrobenzene-d5	9.13	82	441365	92.73	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	206011	88.11	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	960891	93.09	ng	0.00
79) Terphenyl-d14	19.98	244	1840399	96.82	ng	0.00

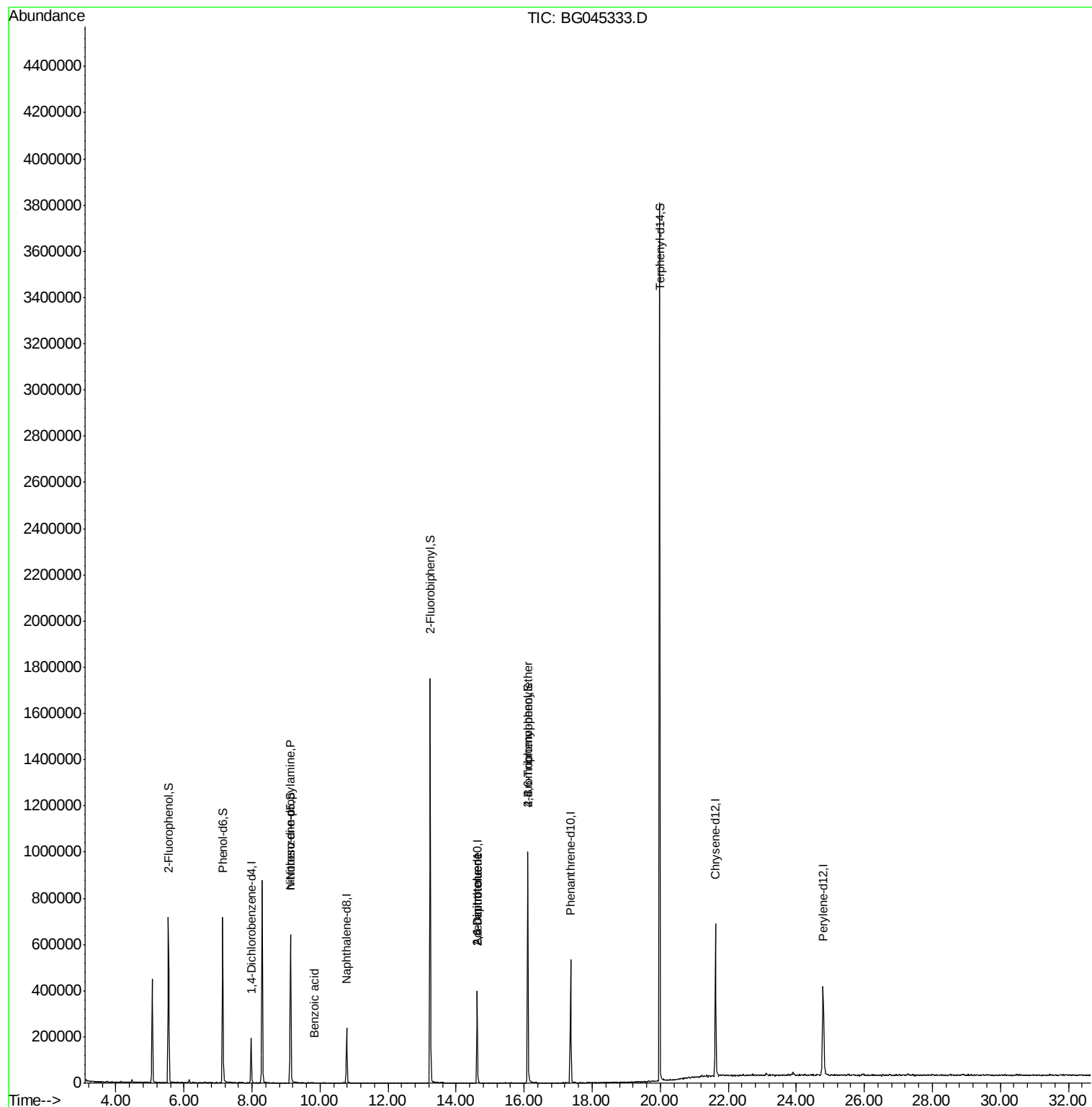
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	670	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	59338	15.908	ng	# 81
32) Benzoic acid	9.84	122	63	6.394	ng	# 1
51) 2,6-Dinitrotoluene	14.61	165	19940	7.234	ng	# 24
57) 2,4-Dinitrotoluene	14.61	165	19940	4.950	ng	# 22
67) 4-Bromophenyl-phenylether	16.11	248	13943	2.957	ng	# 1
69) Atrazine	16.50	200	53	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	1193	Below Cal	#	76
75) Fluoranthene	19.44	202	56	Below Cal	#	62
77) Benzidine	19.98	184	34896	Below Cal	#	92

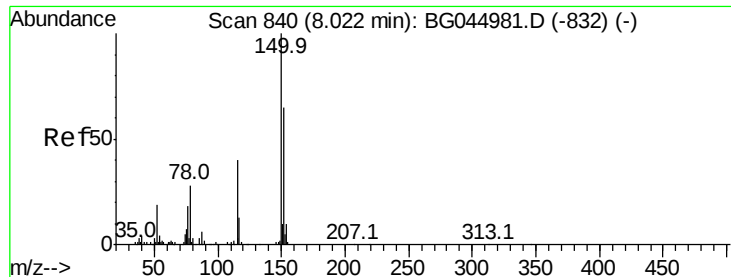
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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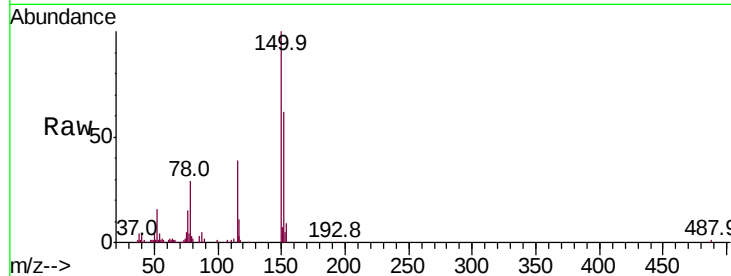


#1

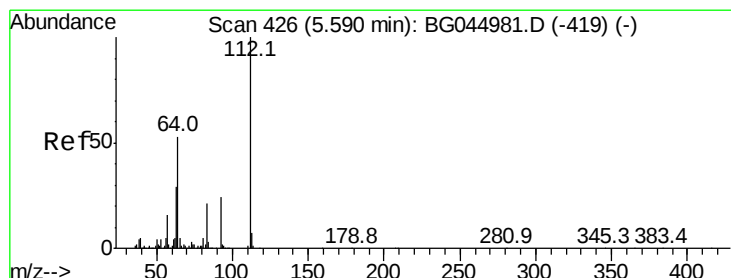
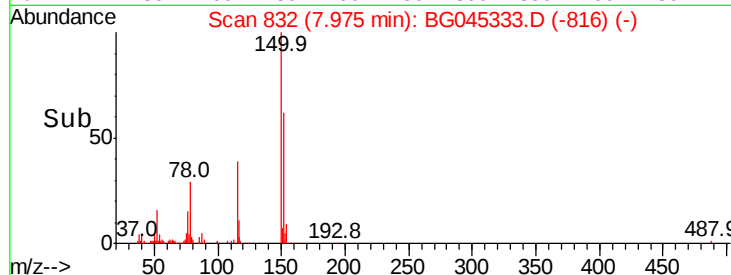
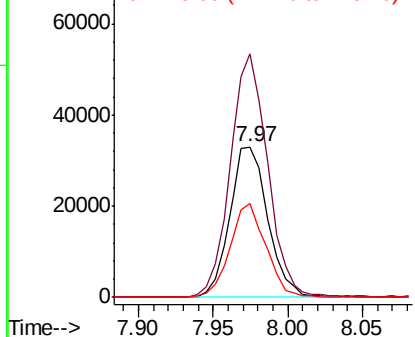
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 832
Delta R.T. -0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Instrument :
BNA_G
ClientSampleId :
PB128808BL

Tot Ion:152 Resp: 58608
Ion Ratio Lower Upper
152 100
150 162.0 123.6 185.4
115 62.8 49.1 73.7



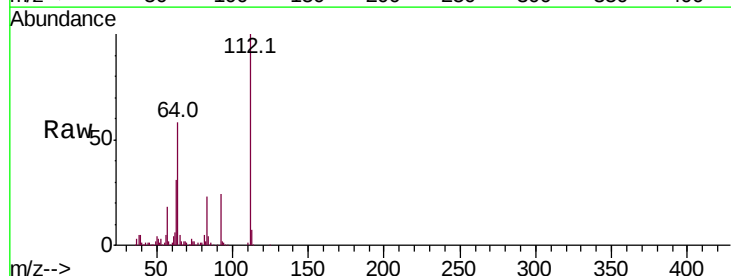
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



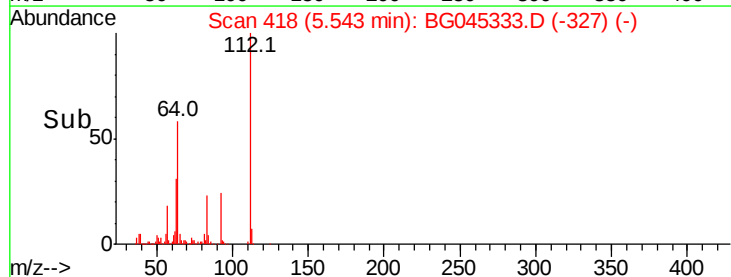
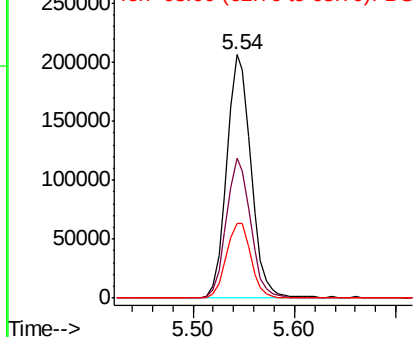
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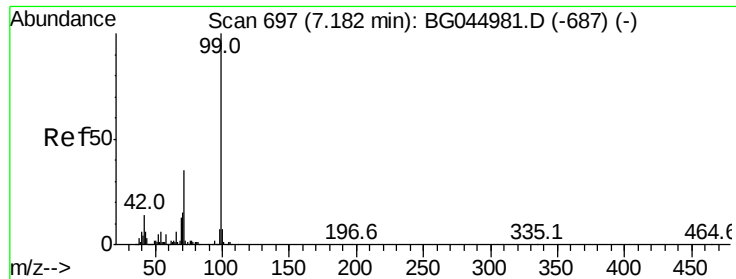
2-Fluorophenol
Concen: 96.843 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Tgt Ion:112 Resp: 343789
Ion Ratio Lower Upper
112 100
64 57.6 42.4 63.6
63 30.8 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 89.197 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB128808BL

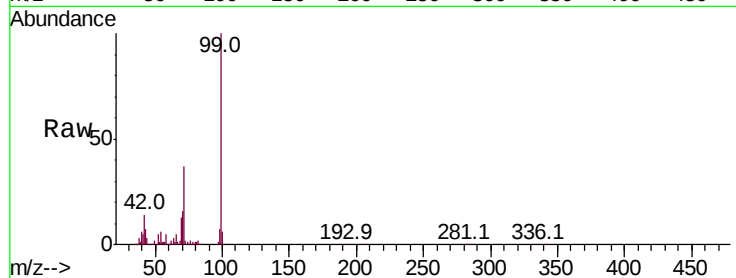
Tot Ion: 99 Resp: 470456

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

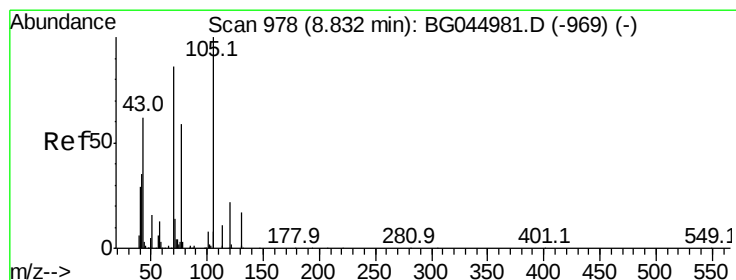
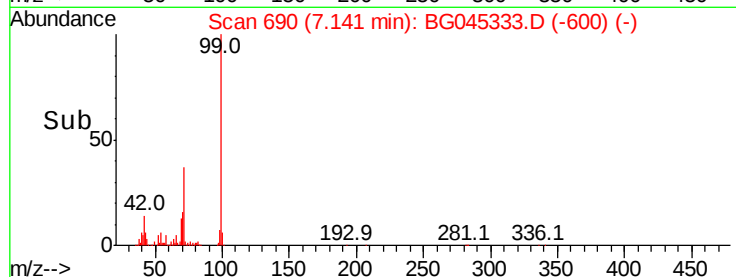
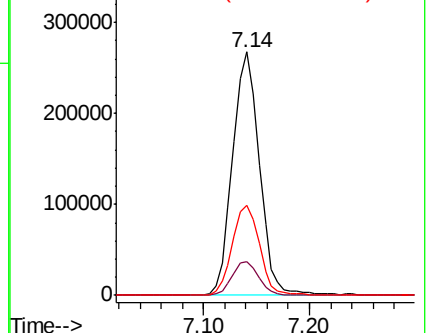
71 37.2 28.3 42.5



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: 15.908 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

Tgt Ion: 70 Resp: 59338

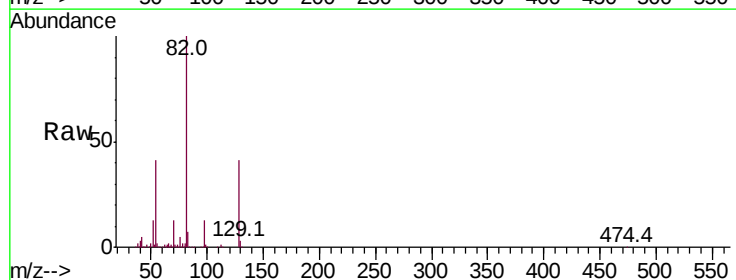
Ion Ratio Lower Upper

70 100

42 36.4 33.3 49.9

101 0.0 7.8 11.8#

130 1.6 15.8 23.6#

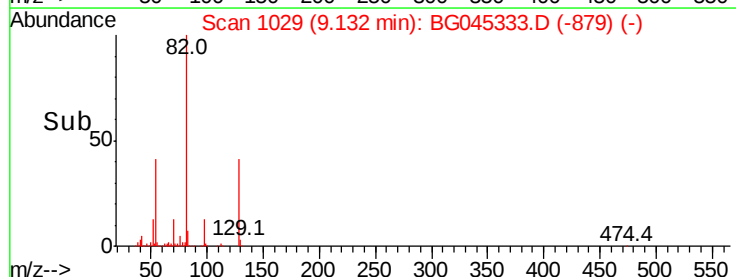
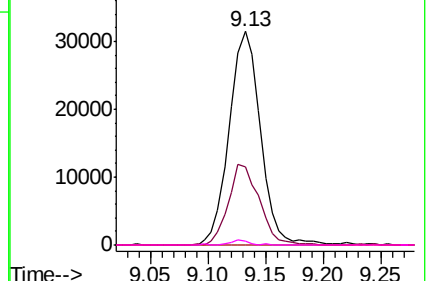


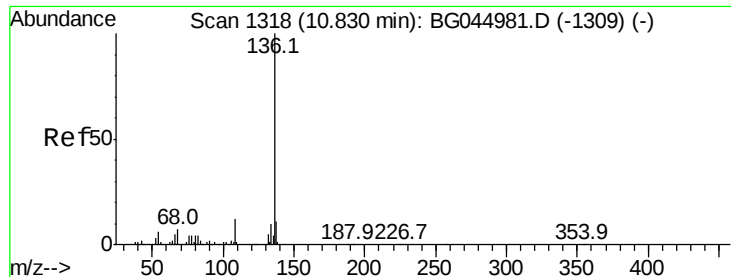
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

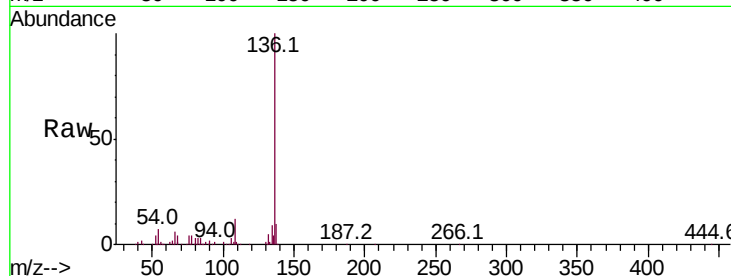




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Instrument :
BNA_G
ClientSampleId :
PB128808BL

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	6.8	4.8	7.2
68	4.4	5.2	7.8



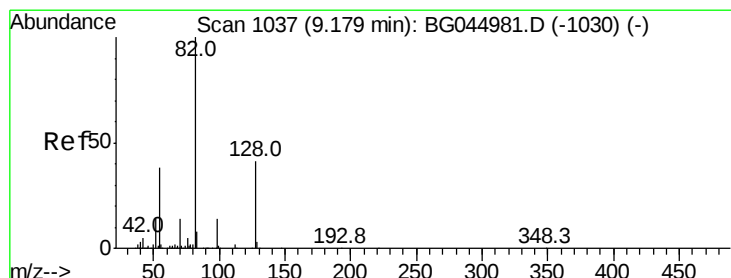
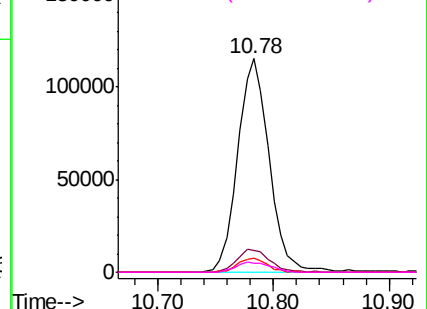
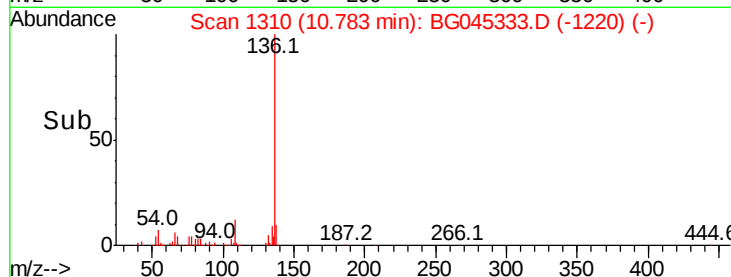
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

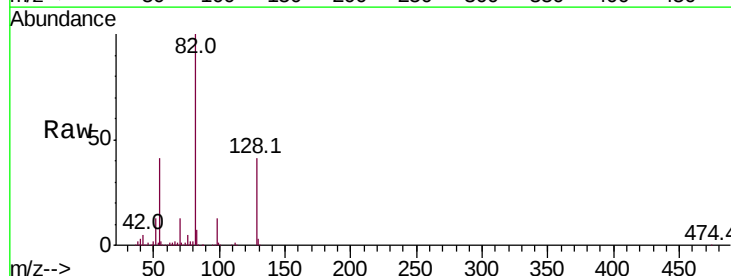
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 92.726 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	40.5	30.4	45.6

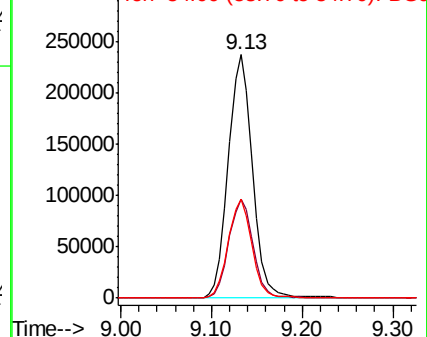
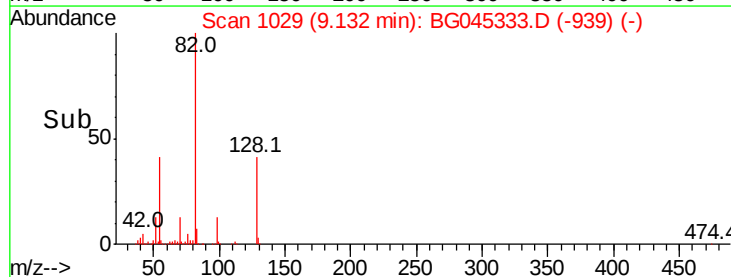


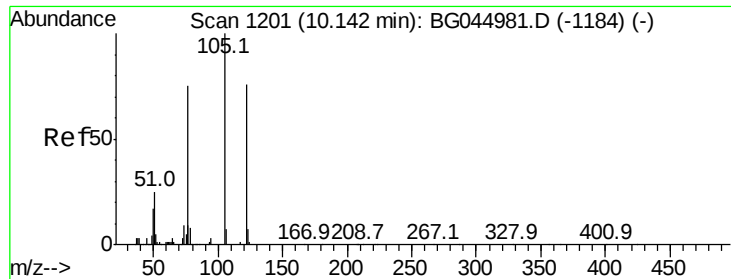
Abundance

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

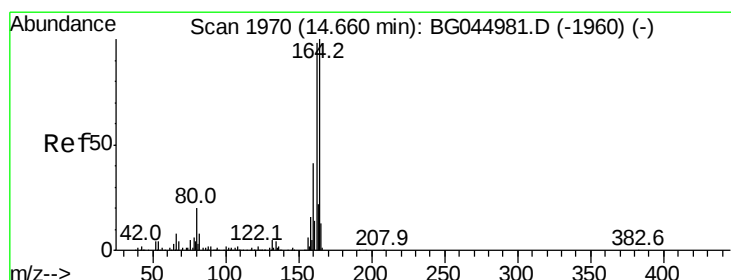
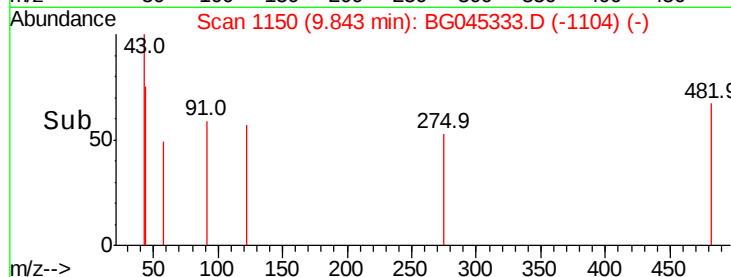
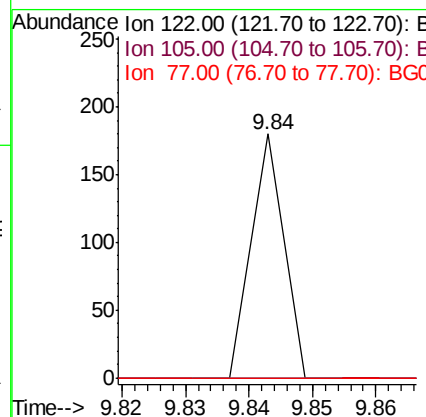
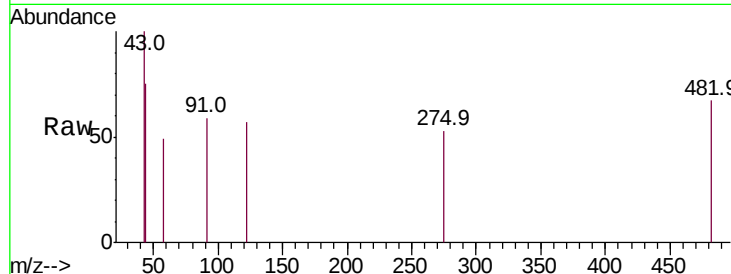




#32
Benzoic acid
Concen: 6.394 ng
RT: 9.84 min Scan# 1150
Delta R.T. -0.26 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

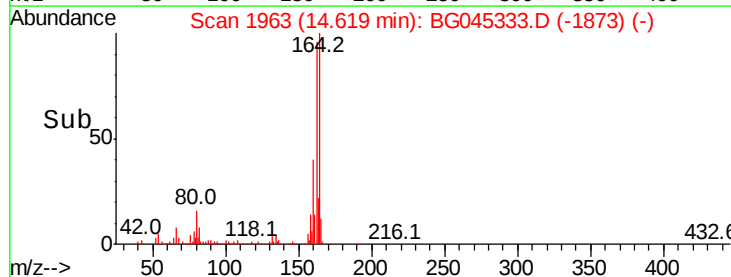
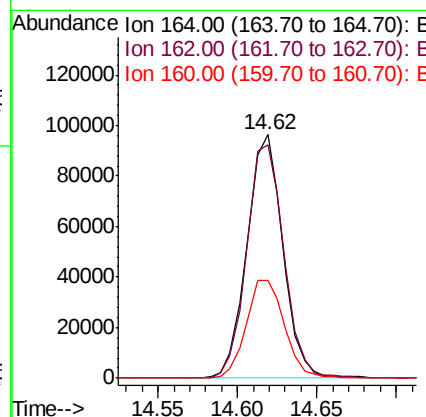
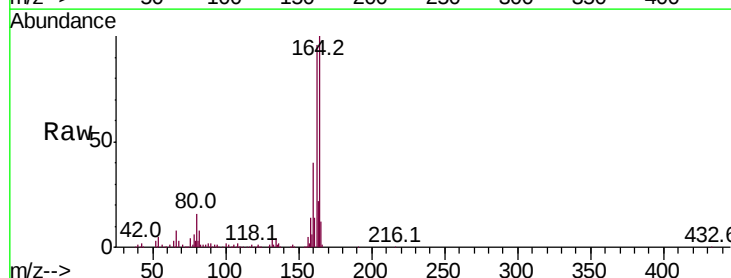
Instrument :
BNA_G
ClientSampleId :
PB128808BL

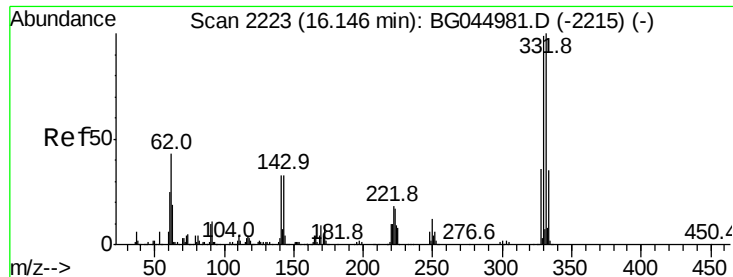
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Tgt Ion:164 Resp: 151349
Ion Ratio Lower Upper
164 100
162 95.9 78.7 118.1
160 40.0 32.8 49.2





#42

2,4,6-Tribromophenol

Concen: 88.109 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB128808BL

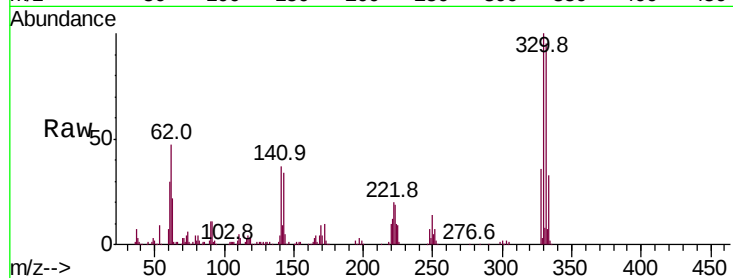
Tot Ion:330 Resp: 206011

Ion Ratio Lower Upper

330 100

332 98.9 79.1 118.7

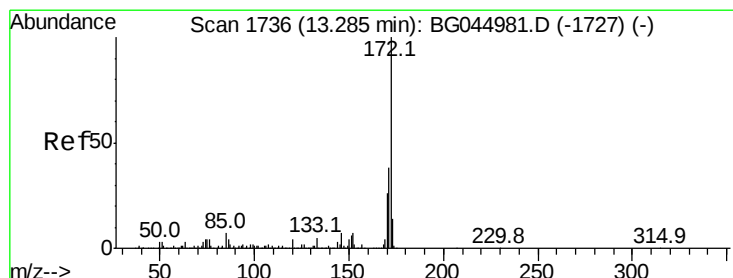
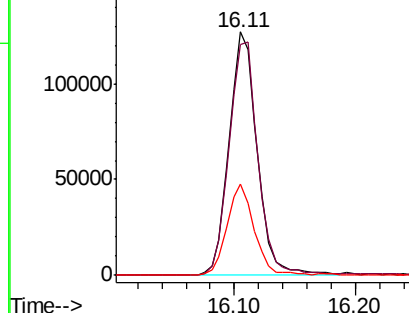
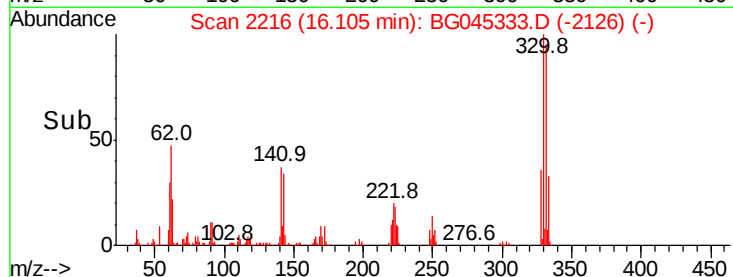
141 35.9 27.1 40.7



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: 93.094 ng

RT: 13.24 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

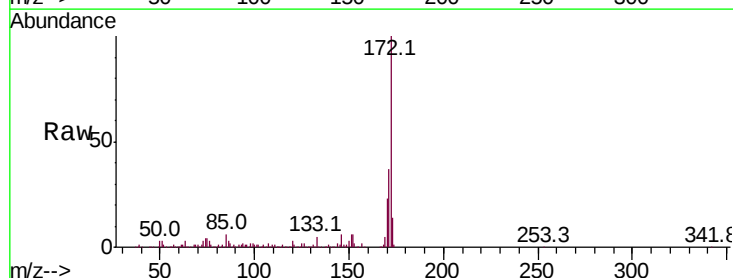
Tgt Ion:172 Resp: 960891

Ion Ratio Lower Upper

172 100

171 36.7 30.6 46.0

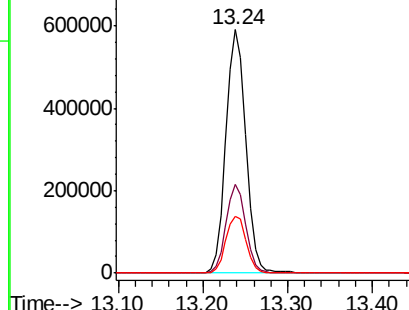
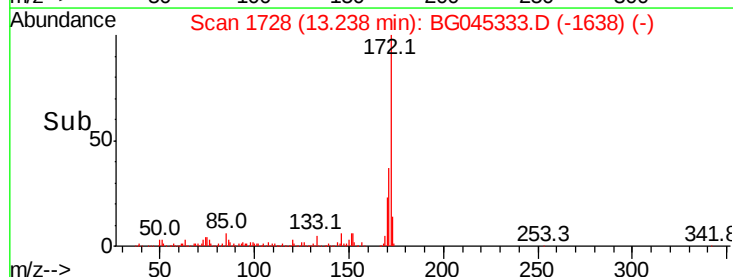
170 23.5 20.5 30.7

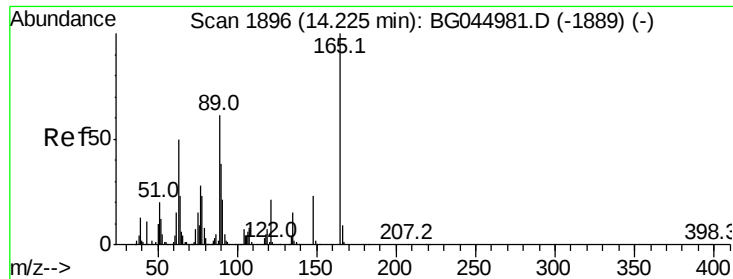


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

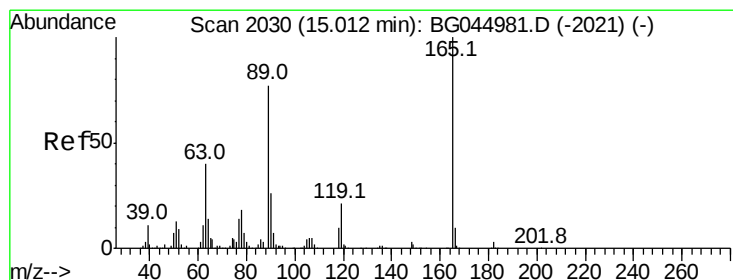
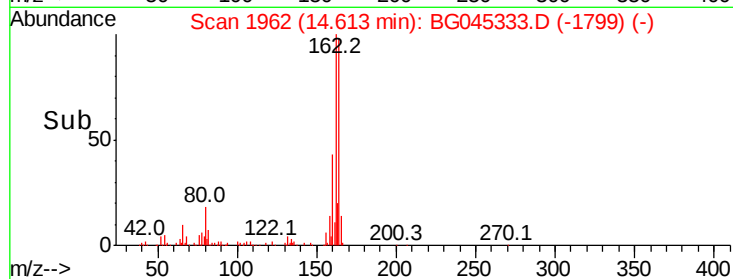
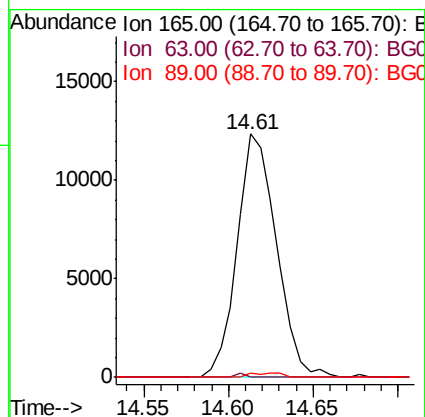
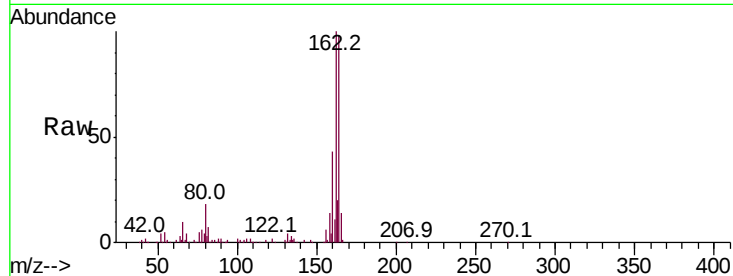




#51
 2,6-Dinitrotoluene
 Concen: 7.234 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. 0.43 min
 Lab File: BG045333.D
 Acq: 12 May 2020 17:46

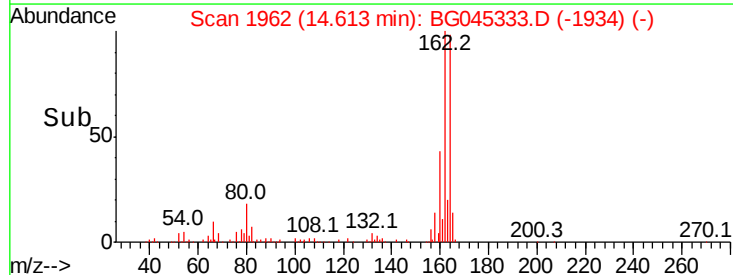
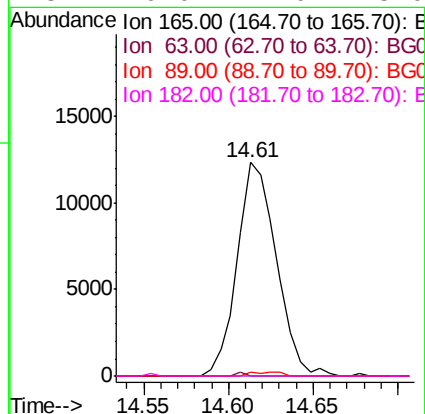
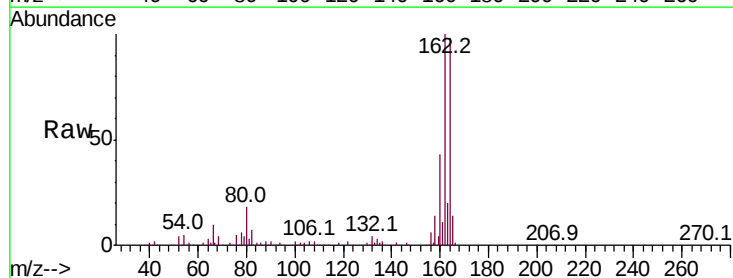
Instrument :
 BNA_G
 ClientSampleId :
 PB128808BL

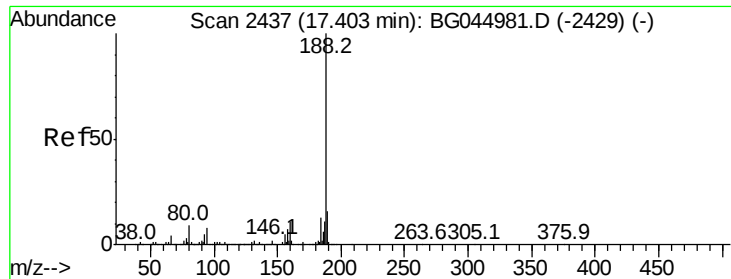
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	2.0	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.950 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. -0.37 min
 Lab File: BG045333.D
 Acq: 12 May 2020 17:46

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB128808BL

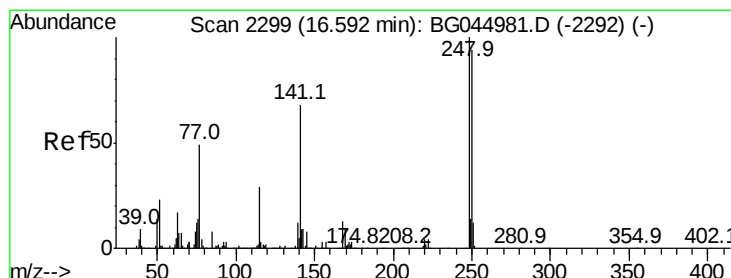
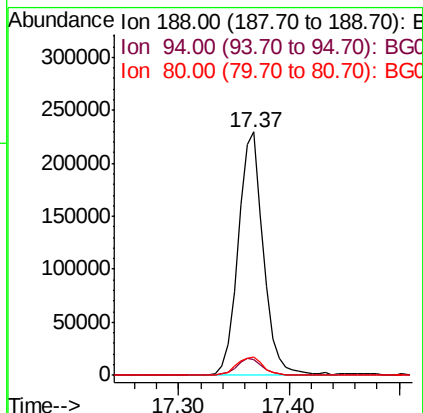
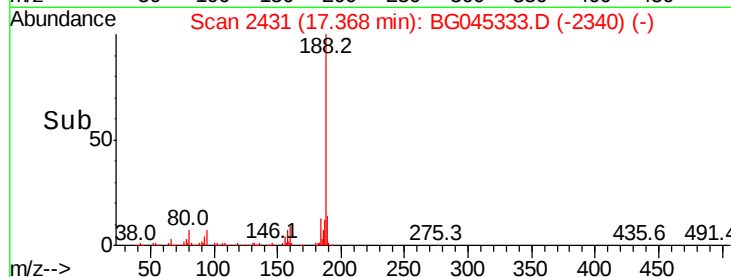
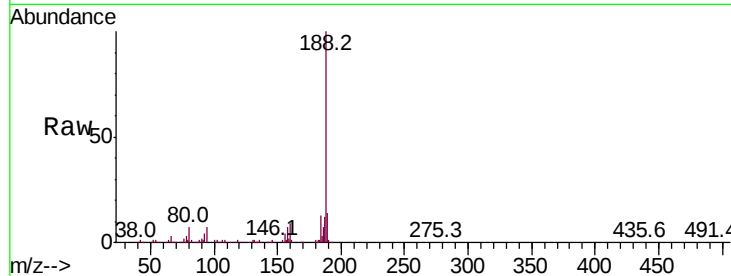
Tot Ion:188 Resp: 365509

Ion Ratio Lower Upper

188 100

94 6.5 6.2 9.4

80 7.4 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 2.957 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

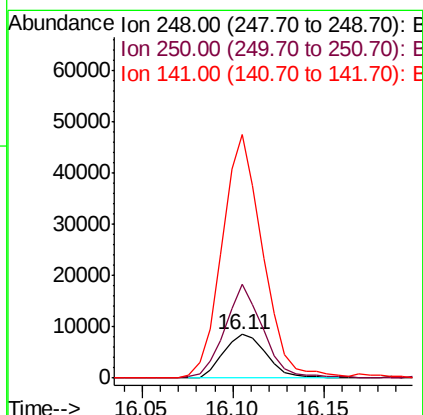
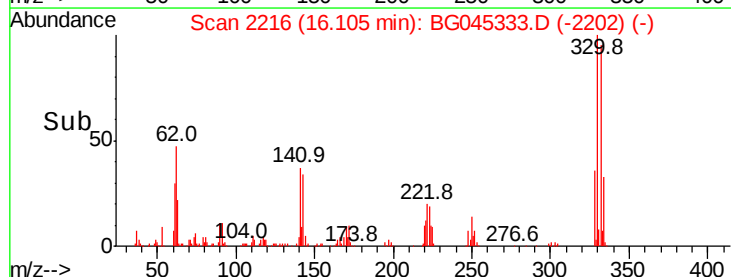
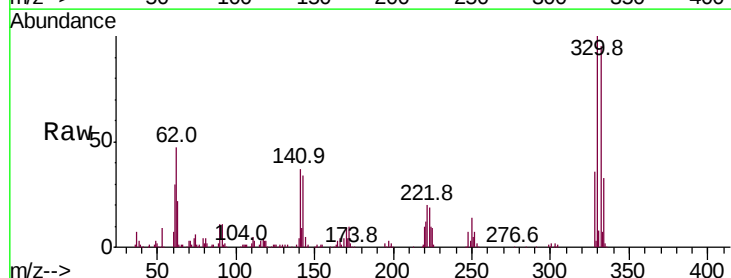
Tgt Ion:248 Resp: 13943

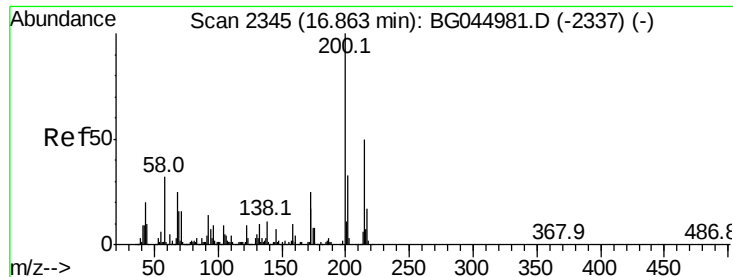
Ion Ratio Lower Upper

248 100

250 215.4 75.4 113.2#

141 561.4 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 16.50 min Scan# 2283

Delta R.T. -0.33 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB128808BL

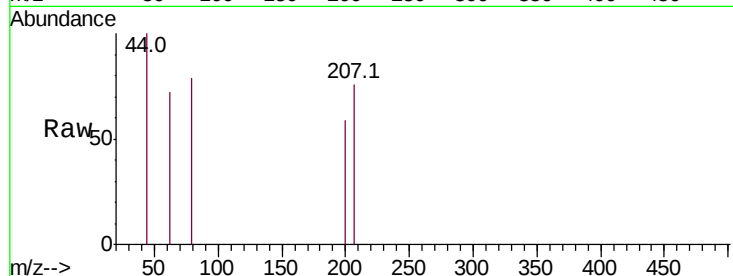
Tot Ion:200 Resp: 53

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

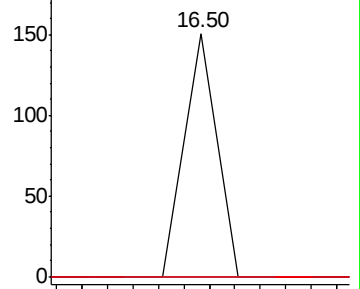
215 0.0 30.0 70.0#



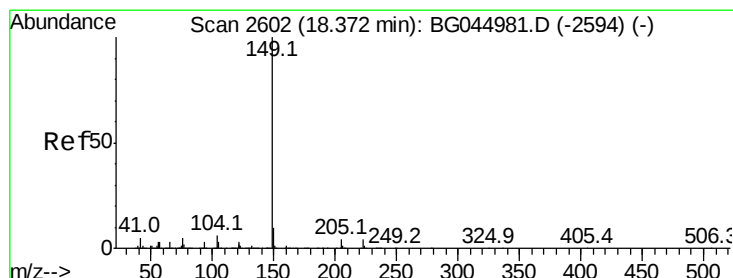
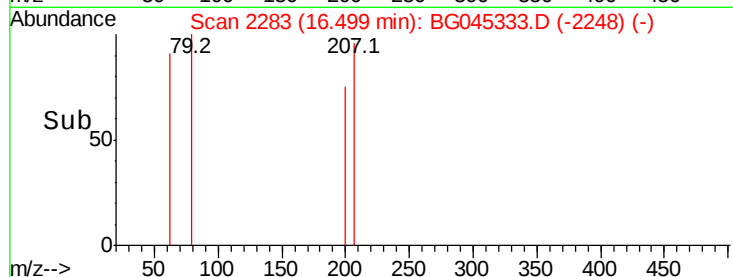
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time--> 16.48 16.50



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2596

Delta R.T. 0.00 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

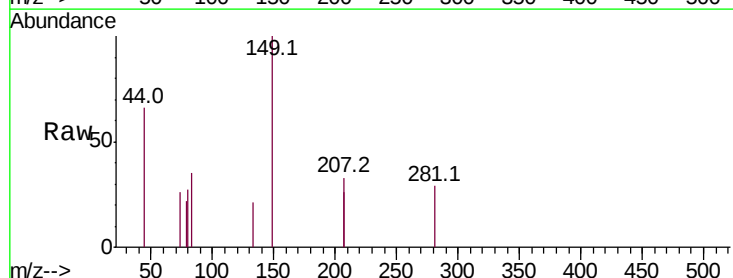
Tgt Ion:149 Resp: 1193

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

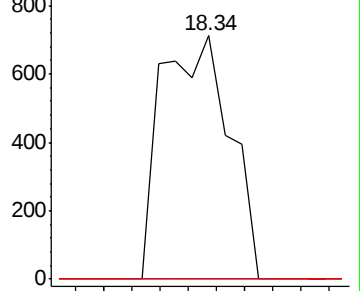
104 0.0 4.8 7.2#



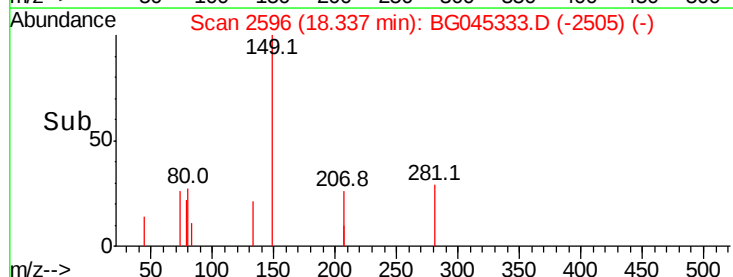
Abundance Ion 149.00 (148.70 to 149.70): E

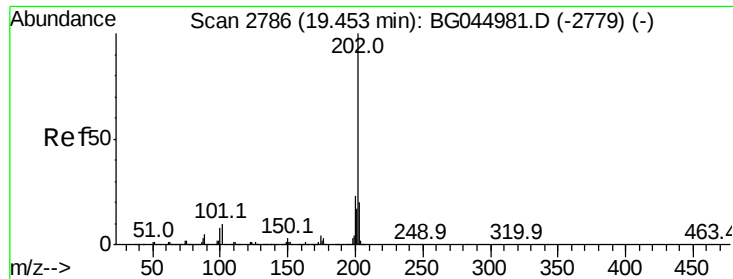
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 18.30 18.35

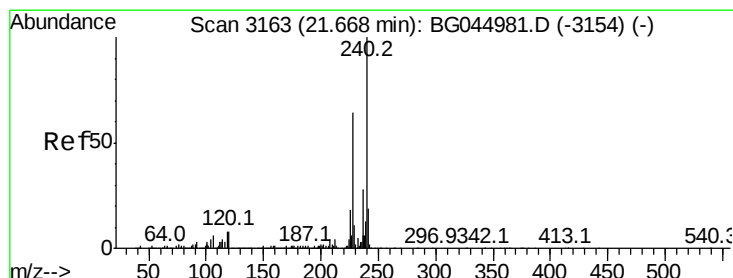
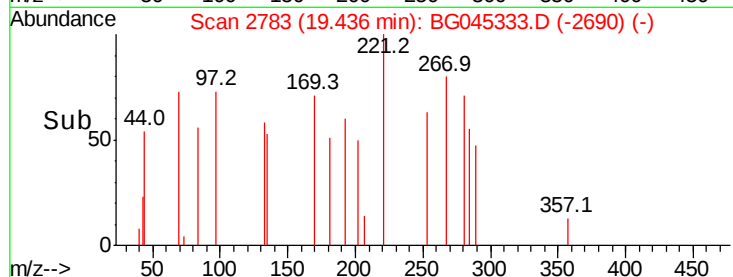
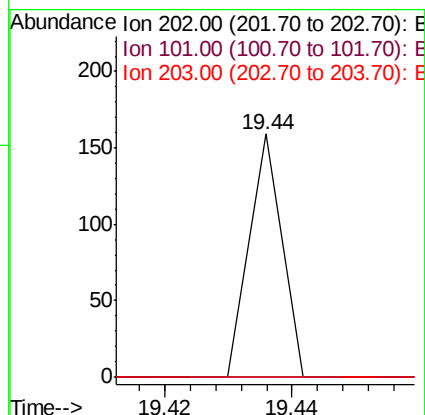
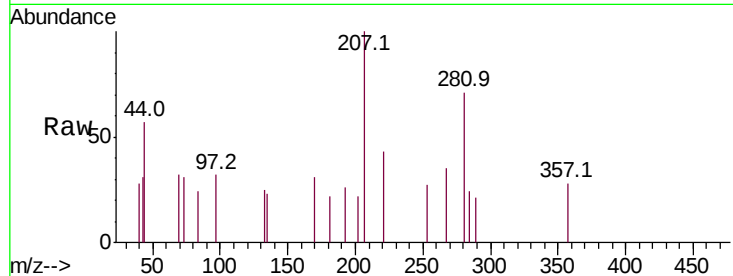




#75
Fluoranthene
Concen: Below Cal
RT: 19.44 min Scan# 2783
Delta R.T. 0.01 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

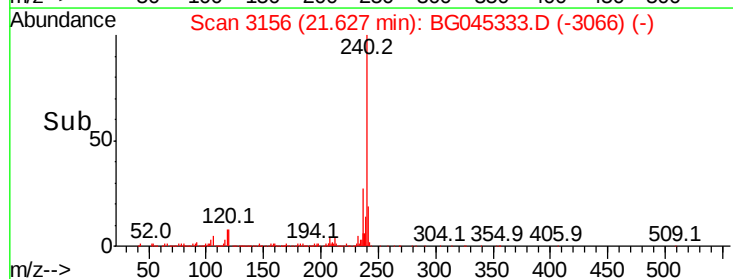
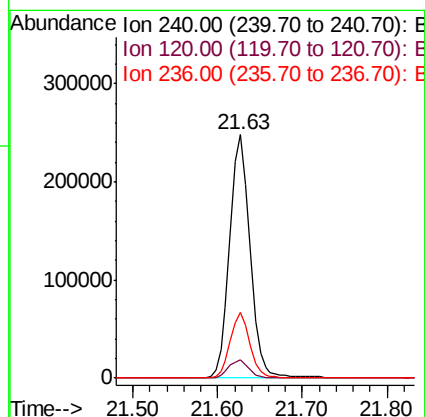
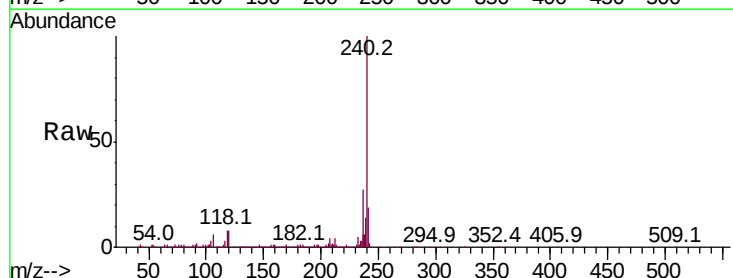
Instrument :
BNA_G
ClientSampleId :
PB128808BL

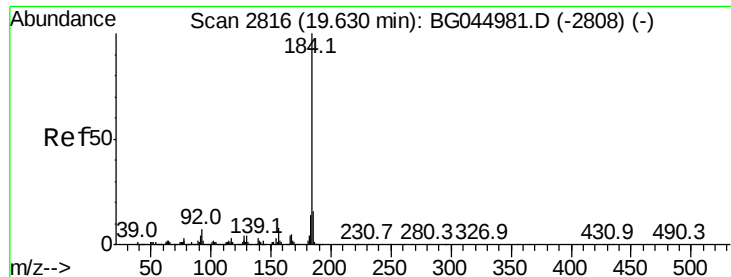
Tot Ion:	202	Resp:	56
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Tgt Ion:	240	Resp:	414298
Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.6	10.0
236	26.8	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2876

Delta R.T. 0.38 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB128808BL

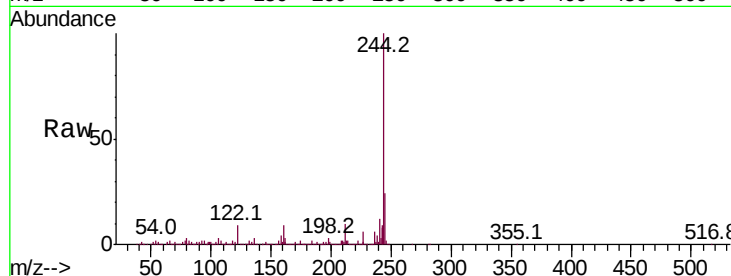
Tot Ion:184 Resp: 34896

Ion Ratio Lower Upper

184 100

185 16.1 12.6 19.0

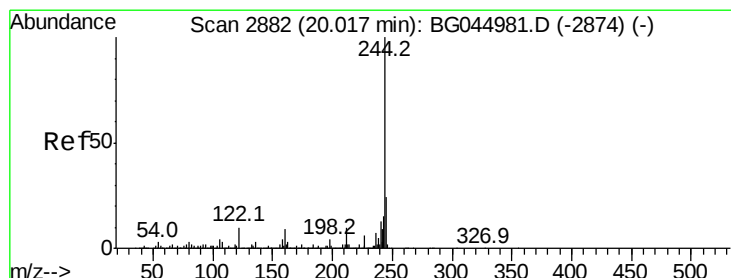
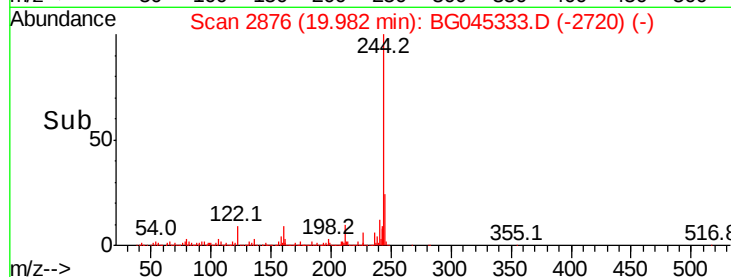
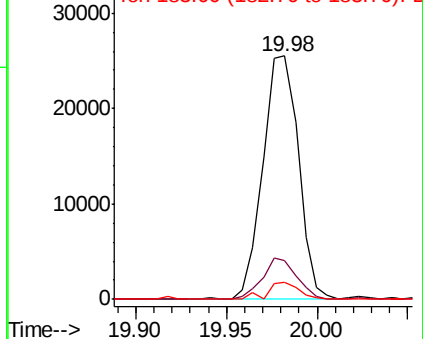
183 7.2 11.3 16.9#



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: 96.821 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG045333.D

Acq: 12 May 2020 17:46

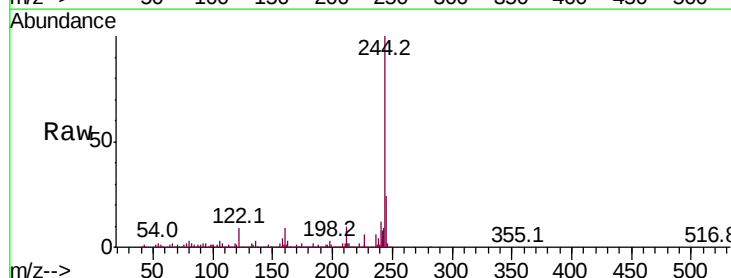
Tgt Ion:244 Resp: 1840399

Ion Ratio Lower Upper

244 100

212 9.8 7.9 11.9

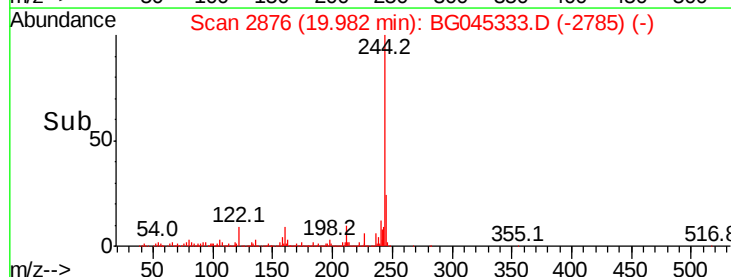
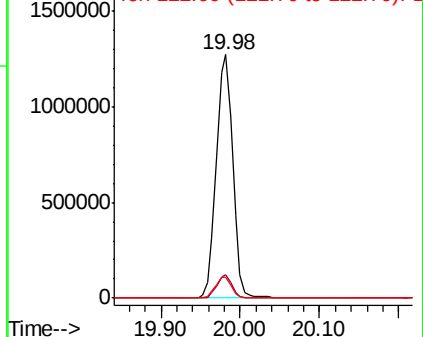
122 8.8 7.7 11.5

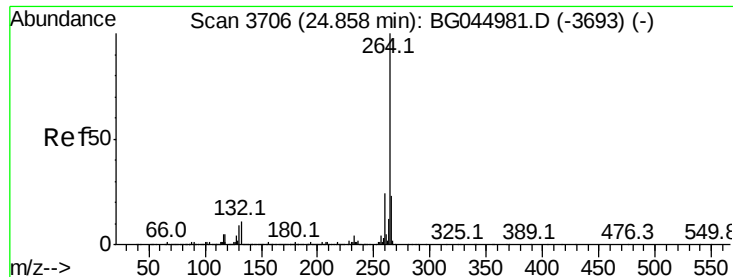


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.00 min
Lab File: BG045333.D
Acq: 12 May 2020 17:46

Instrument :
BNA_G
ClientSampleId :
PB128808BL

Tot Ion:	264	Resp:	445257
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.8	19.0	28.4

