

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
 Data File : BG045317.D
 Acq On : 12 May 2020 6:03
 Operator : CG/JU
 Sample : L2557-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13A

Quant Time: May 12 07:20:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	72861	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	311526	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	236197	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	549036	20.00	ng	0.00
76) Chrysene-d12	21.63	240	517542	20.00	ng	-0.01
87) Perylene-d12	24.79	264	556241	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	316390	71.69	ng	0.00
7) Phenol-d6	7.14	99	504529	76.94	ng	0.00
23) Nitrobenzene-d5	9.13	82	341069	49.96	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	287464	78.78	ng	-0.01
45) 2-Fluorobiphenyl	13.24	172	838051	52.03	ng	0.00
79) Terphenyl-d14	19.98	244	1447938	60.98	ng	0.00

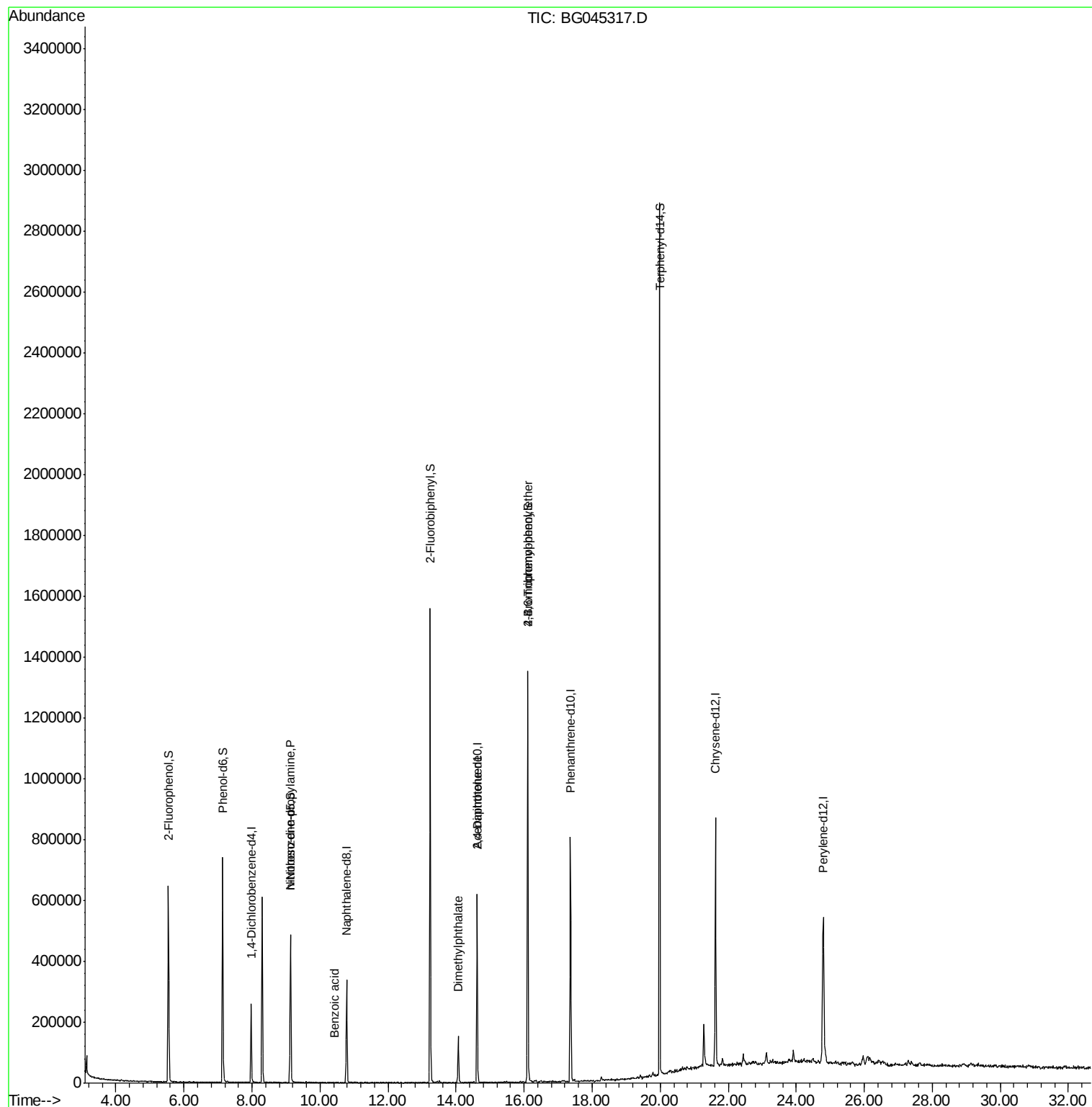
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1106	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	47852	10.319	ng	# 75
32) Benzoic acid	10.41	122	91	6.394	ng	# 1
50) Dimethylphthalate	14.06	163	108581	5.646	ng	# 97
57) 2,4-Dinitrotoluene	14.61	165	29430	4.681	ng	# 23
67) 4-Bromophenyl-phenylether	16.11	248	19706	2.782	ng	# 1
69) Atrazine	17.05	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	2034	Below Cal	#	88
75) Fluoranthene	19.42	202	6113	Below Cal	#	87
77) Benzidine	19.98	184	25997	Below Cal	#	93

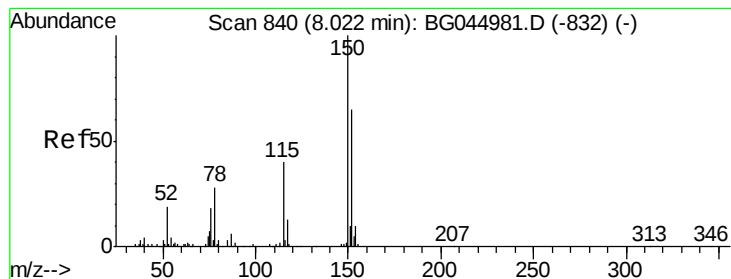
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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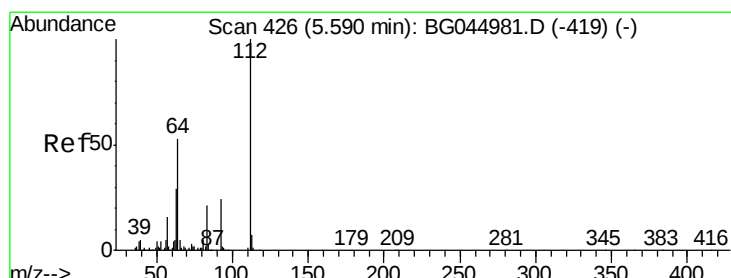
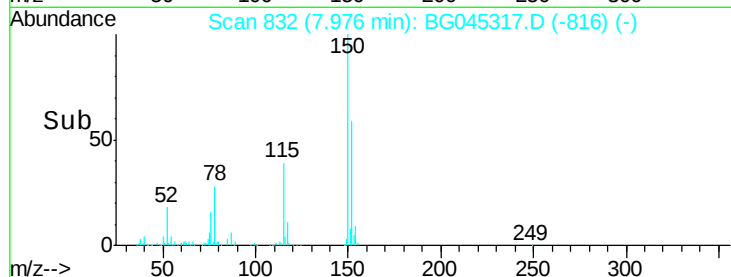
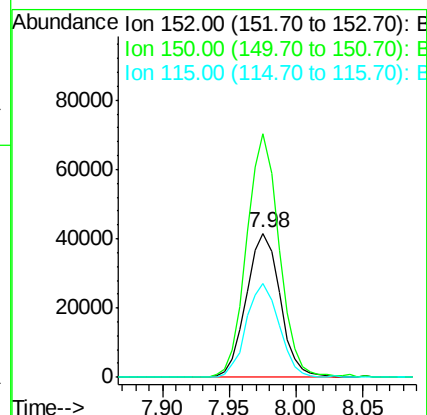
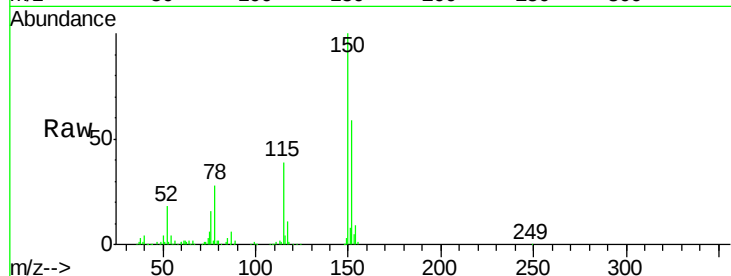


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

Instrument :
BNA_G
ClientSampled :
TP-13A

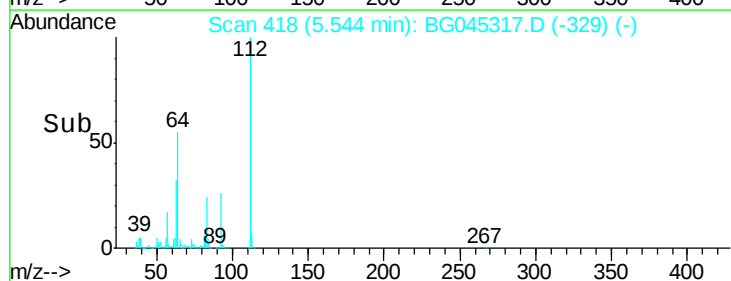
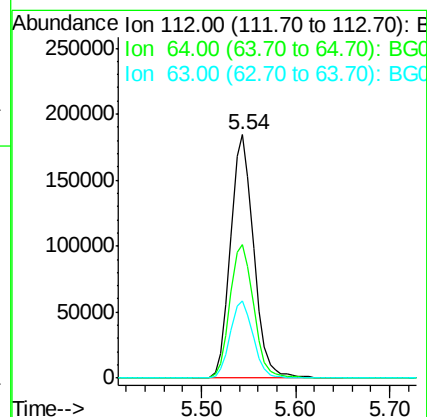
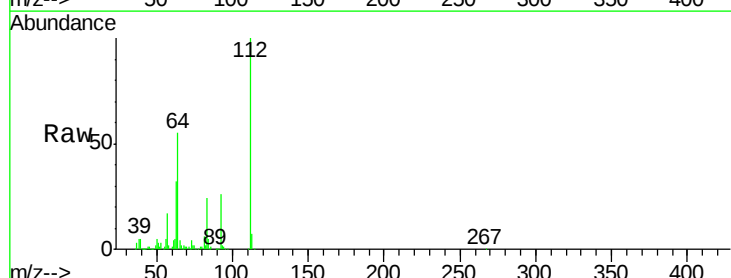
Tot Ion	Ratio	Lower	Upper
152	100		
150	169.2	123.6	185.4
115	65.5	49.1	73.7

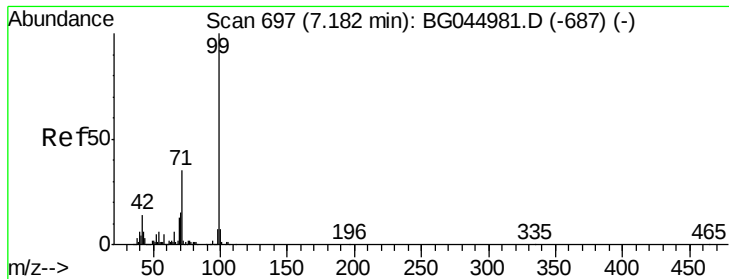


#5

2-Fluorophenol
Concen: 71.690 ng
RT: 5.54 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	42.4	63.6
63	31.8	23.1	34.7





#7

Phenol-d6

Concen: 76.945 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Instrument :

BNA_G

ClientSampleId :

TP-13A

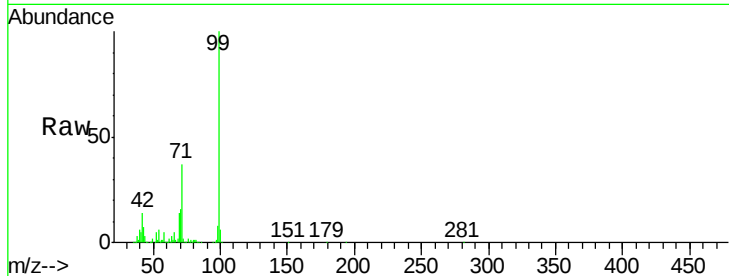
Tot Ion: 99 Resp: 504529

Ion Ratio Lower Upper

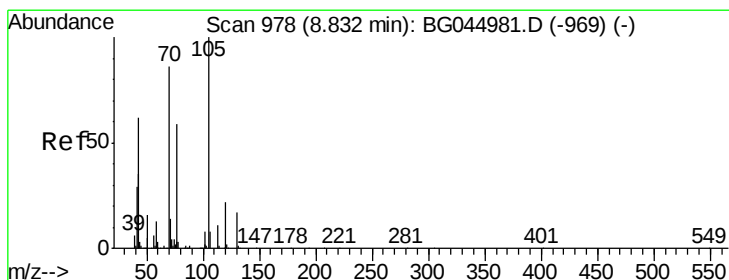
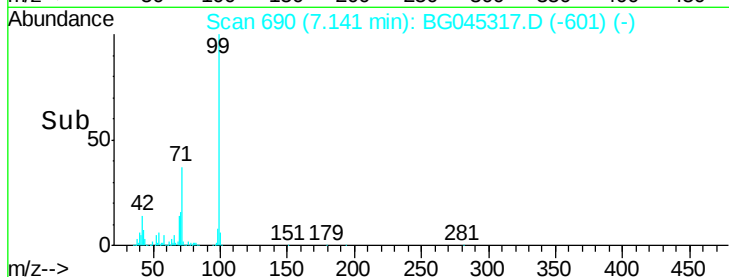
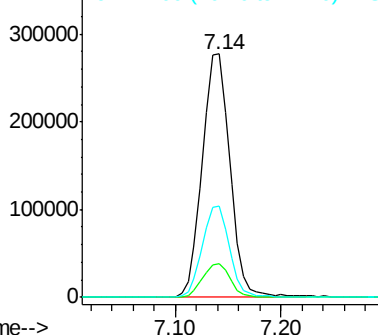
99 100

42 13.8 11.3 16.9

71 37.4 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: 10.319 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Tgt Ion: 70 Resp: 47852

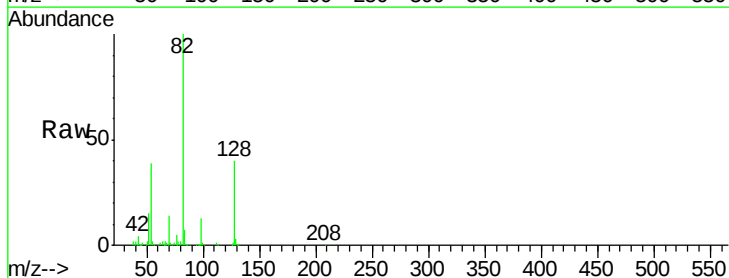
Ion Ratio Lower Upper

70 100

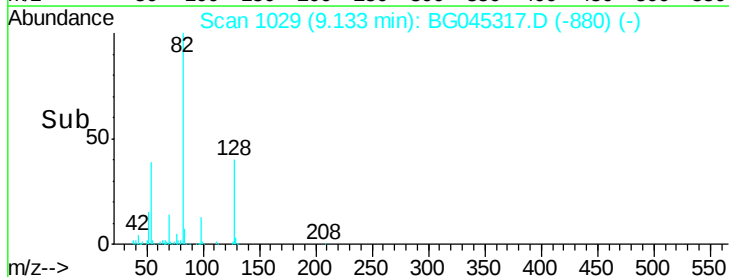
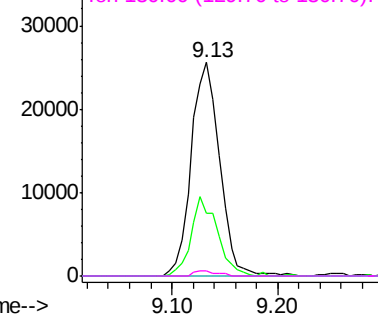
42 29.4 33.3 49.9#

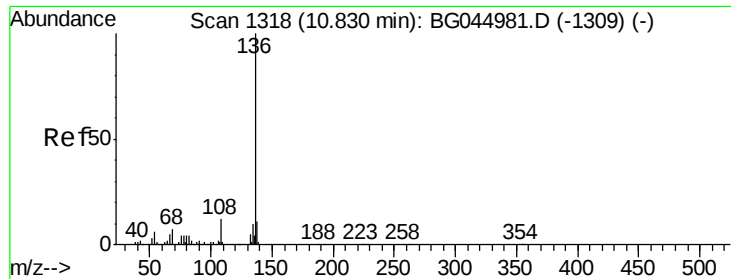
101 0.0 7.8 11.8#

130 2.5 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

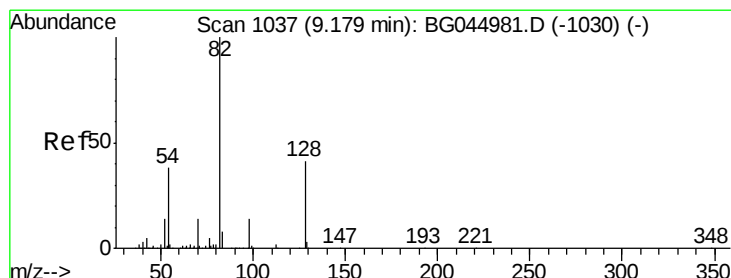
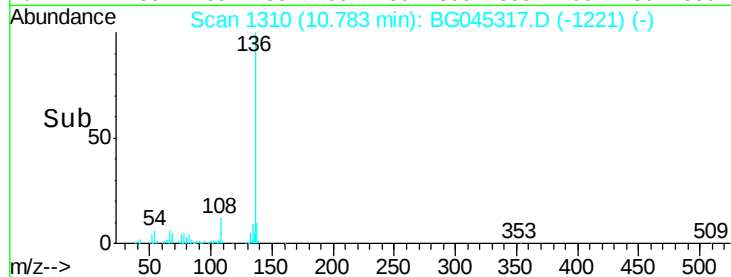
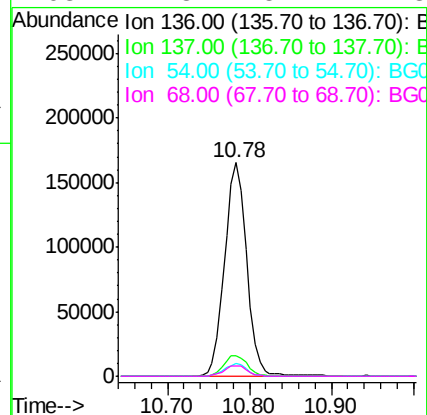
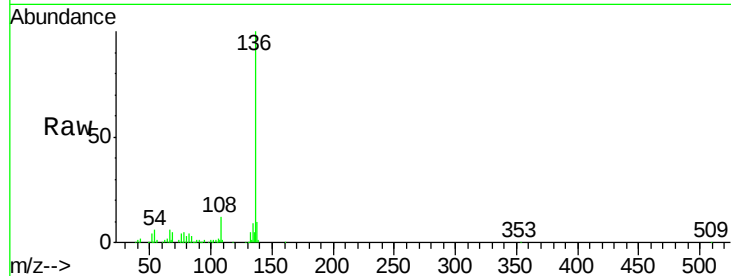




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

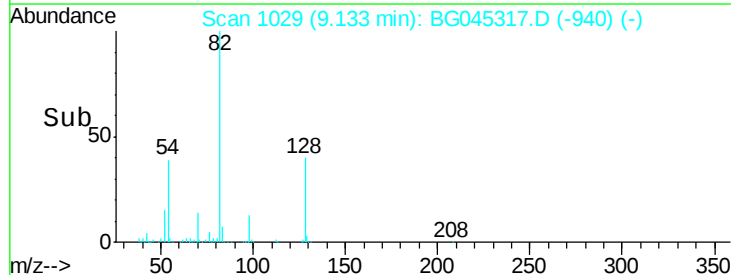
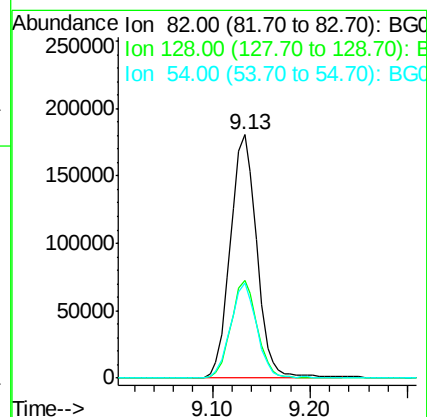
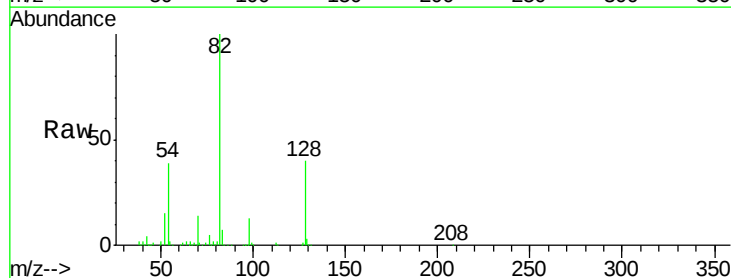
Instrument :
BNA_G
ClientSampleId :
TP-13A

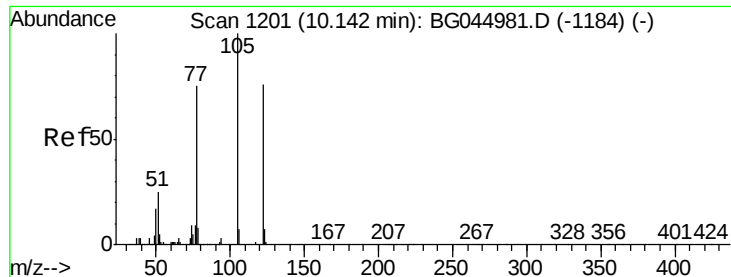
Tot Ion:136	Resp:	311526
Ion Ratio	Lower	Upper
136	100	
137	9.9	8.6 13.0
54	6.2	4.8 7.2
68	4.8	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 49.956 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

Tgt Ion: 82	Resp:	341069
Ion Ratio	Lower	Upper
82	100	
128	40.2	33.0 49.4
54	39.3	30.4 45.6





#32

Benzoic acid

Concen: 6.394 ng

RT: 10.41 min Scan# 1246

Delta R.T. 0.31 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Instrument :

BNA_G

ClientSampleId :

TP-13A

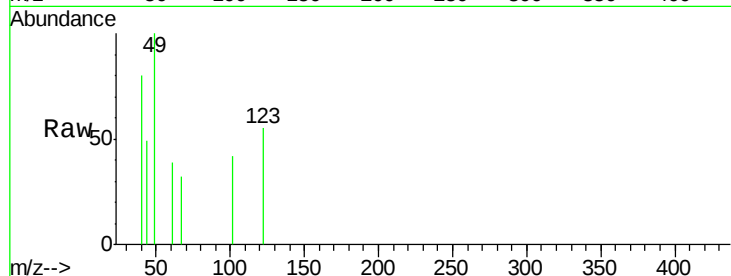
Tot Ion:122 Resp: 91

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

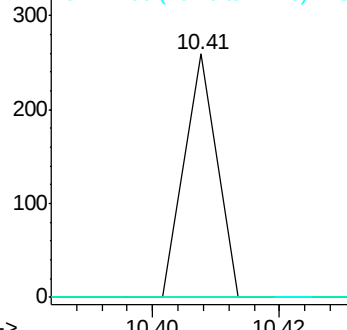
77 0.0 78.8 118.8#



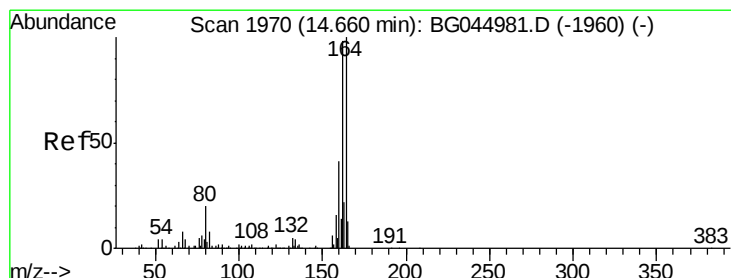
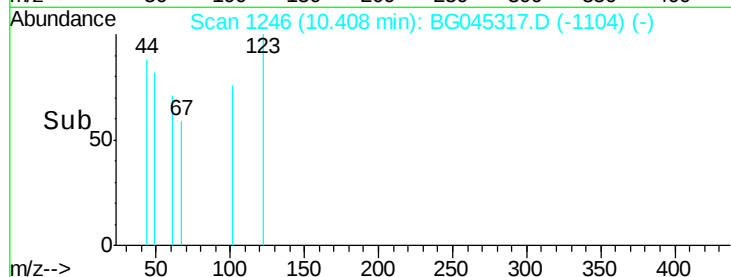
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

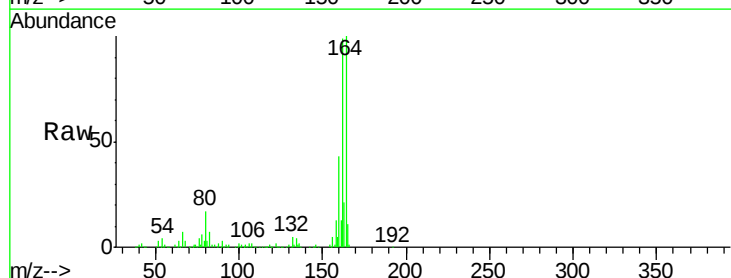
Tgt Ion:164 Resp: 236197

Ion Ratio Lower Upper

164 100

162 99.2 78.7 118.1

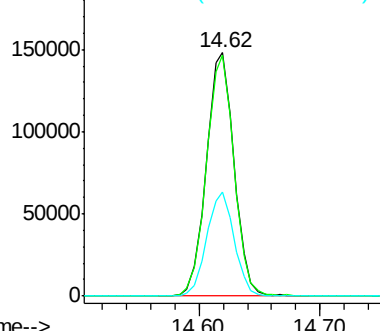
160 42.9 32.8 49.2



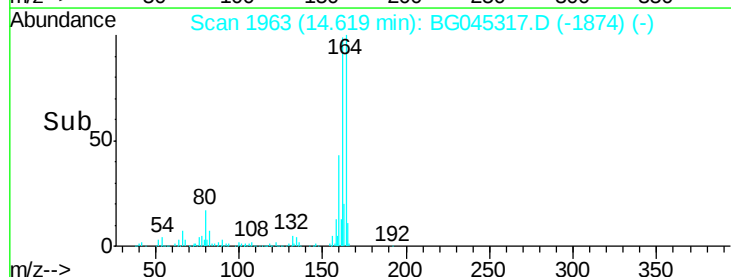
Abundance Ion 164.00 (163.70 to 164.70): E

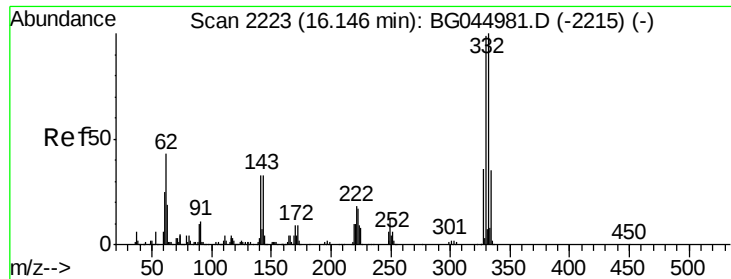
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

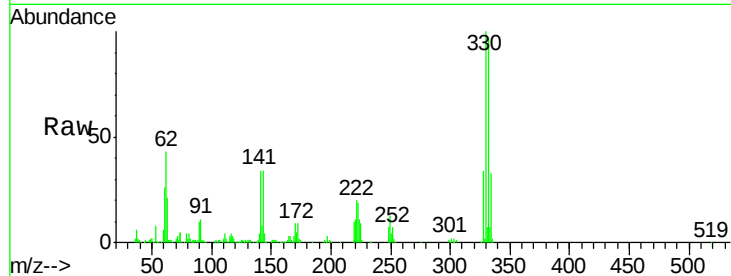




#42
 2,4,6-Tribromophenol
 Concen: 78.780 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045317.D
 Acq: 12 May 2020 6:03

Instrument :
 BNA_G
 ClientSampleId :
 TP-13A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.1	118.7
141	34.2	27.1	40.7

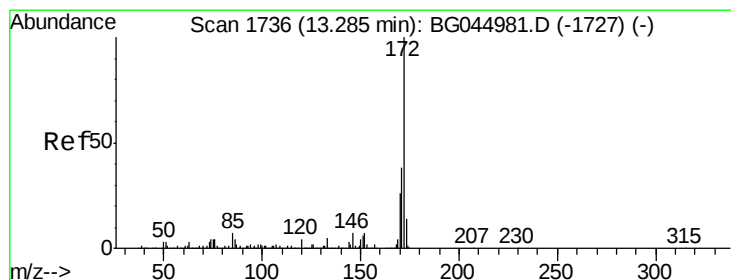
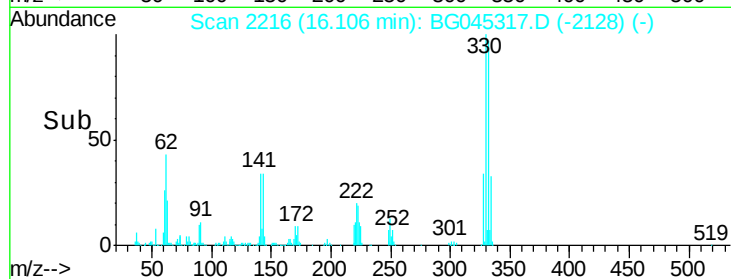
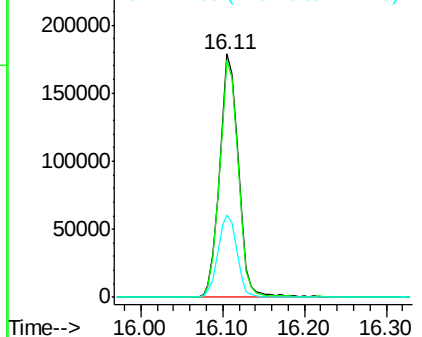


Abundance

Ion 329.80 (329.50 to 330.50): E

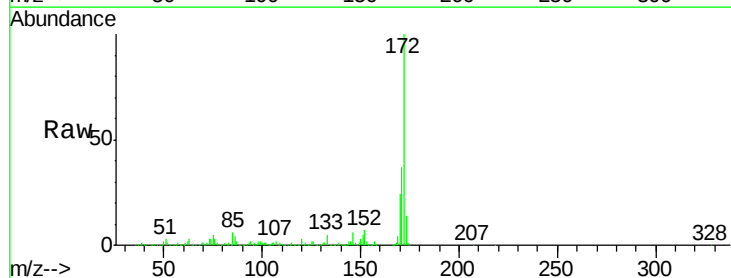
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 52.026 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG045317.D
 Acq: 12 May 2020 6:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	46.0
170	23.7	20.5	30.7

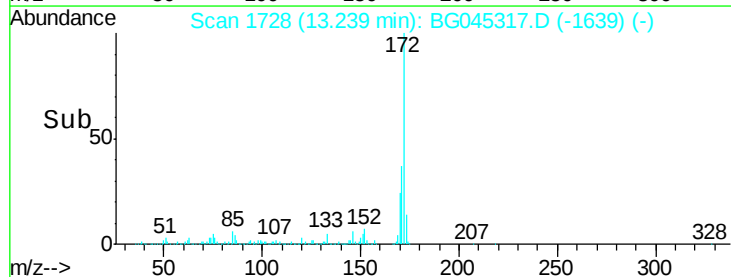
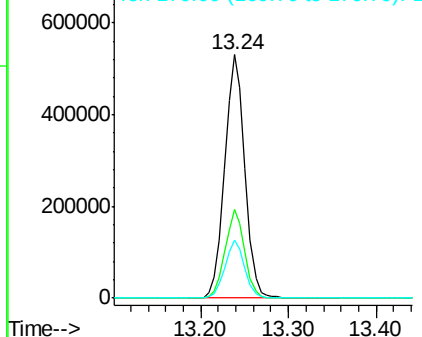


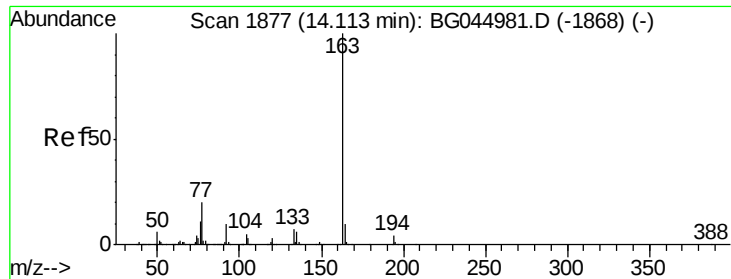
Abundance

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

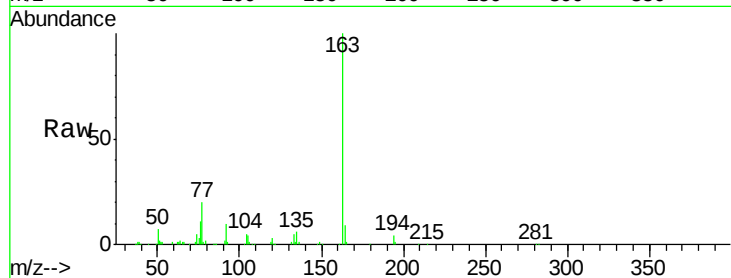




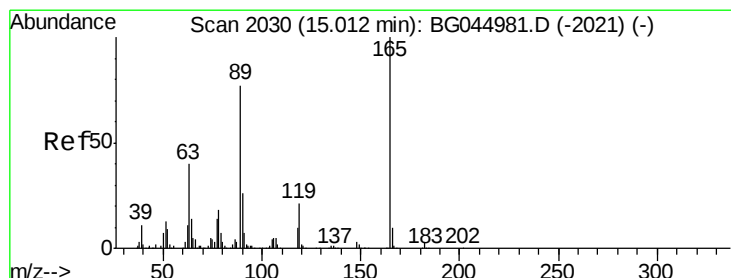
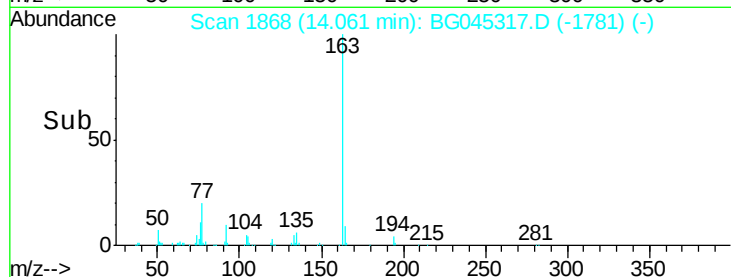
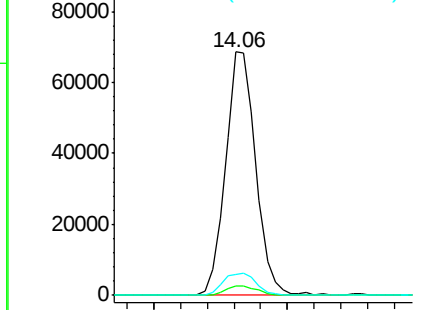
#50
Dimethylphthalate
Concen: 5.646 ng
RT: 14.06 min Scan# 1868
Delta R.T. -0.02 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

Instrument :
BNA_G
ClientSampleId :
TP-13A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	8.8	8.2	12.4

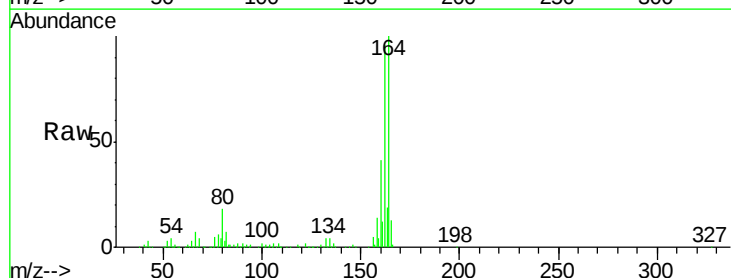


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

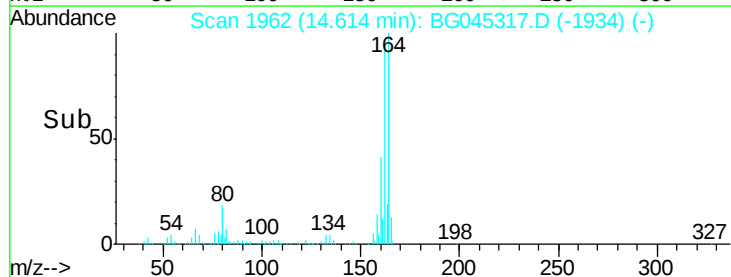
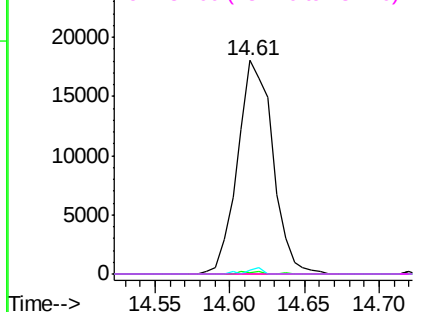


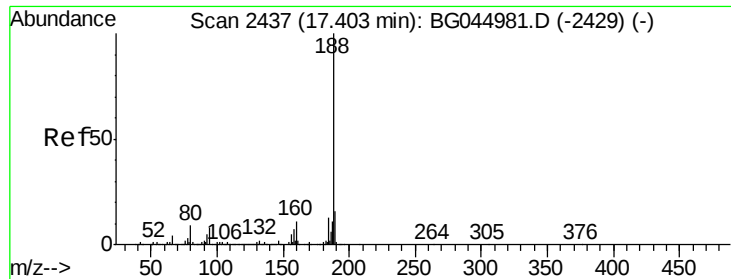
#57
2,4-Dinitrotoluene
Concen: 4.681 ng
RT: 14.61 min Scan# 1962
Delta R.T. -0.36 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	32.2	48.2#
89	1.8	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: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Instrument :

BNA_G

ClientSampleId :

TP-13A

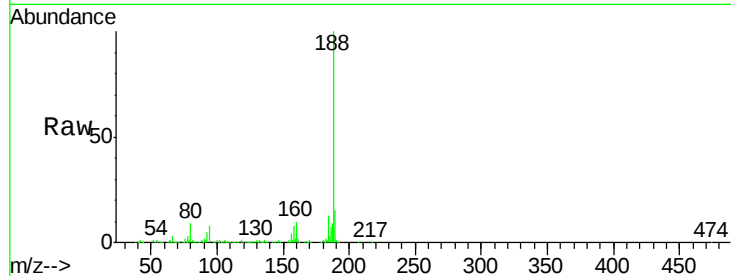
Tot Ion:188 Resp: 549036

Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.4

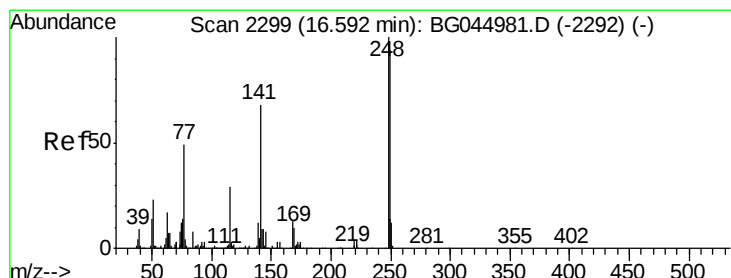
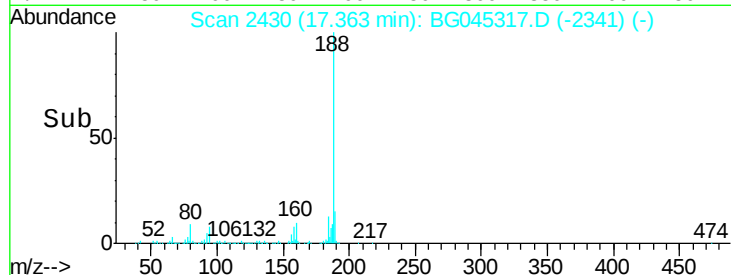
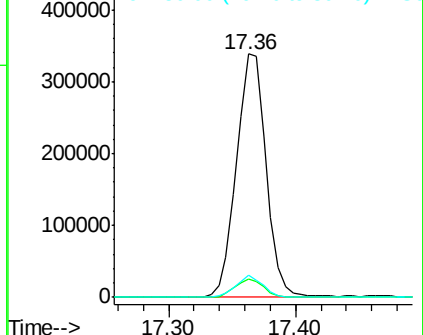
80 8.9 7.0 10.6



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: 2.782 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

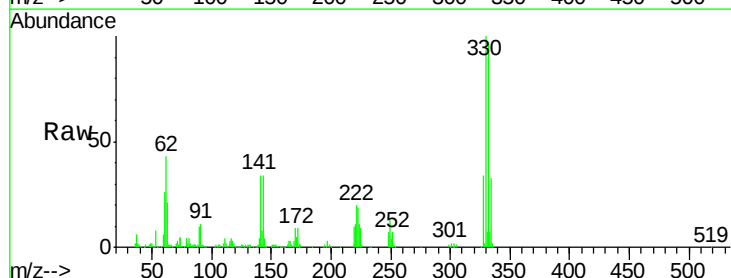
Tgt Ion:248 Resp: 19706

Ion Ratio Lower Upper

248 100

250 197.2 75.4 113.2#

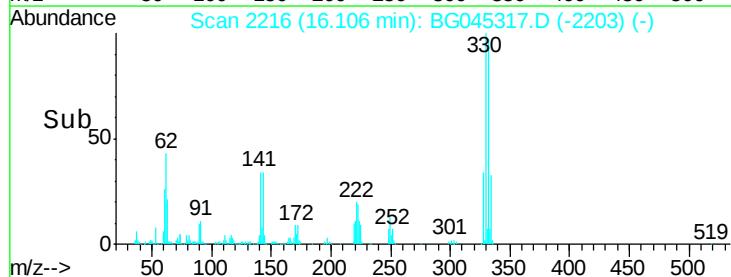
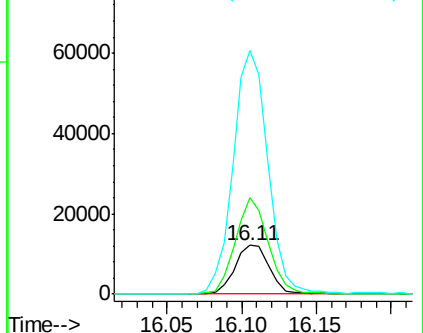
141 499.9 54.4 81.6#

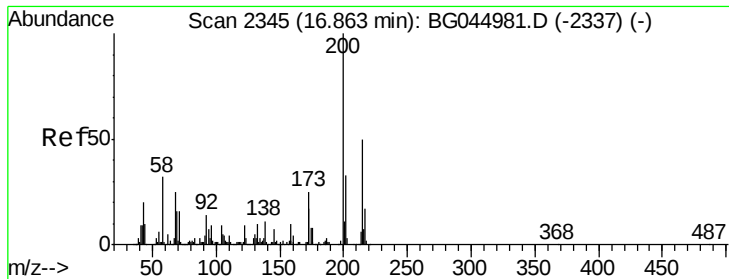


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.05 min Scan# 2377

Delta R.T. 0.22 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Instrument :

BNA_G

ClientSampleId :

TP-13A

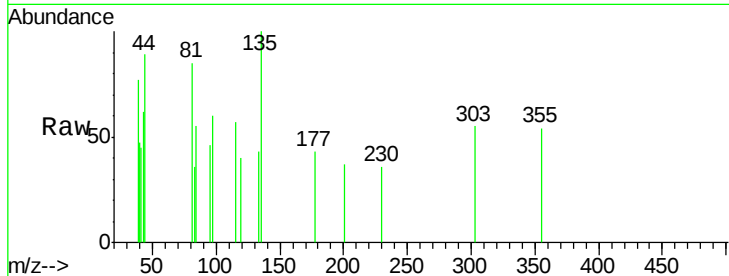
Tot Ion:200 Resp: 55

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#

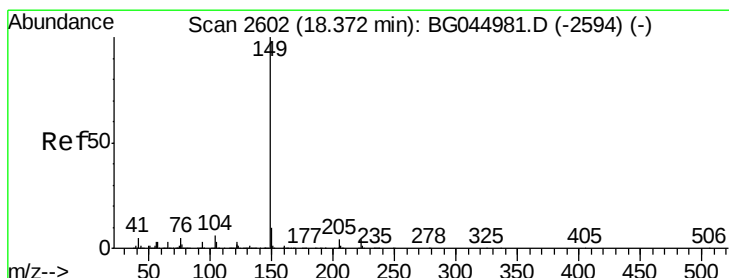
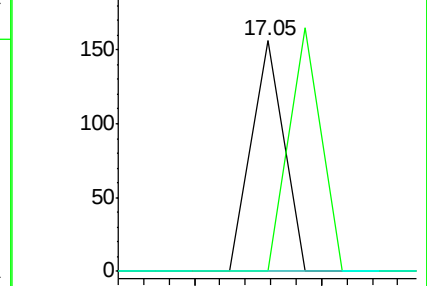
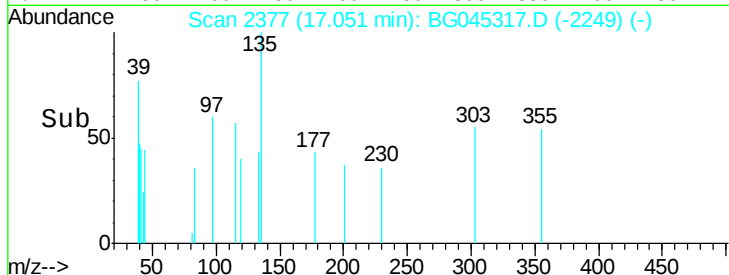


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

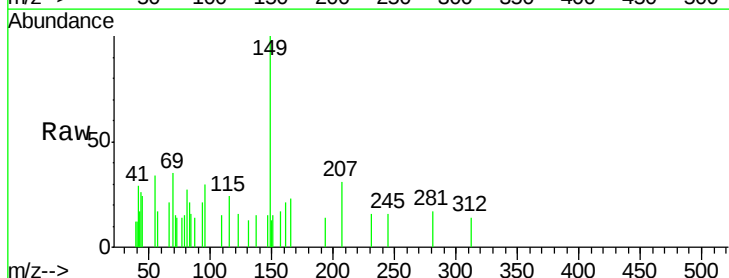
Tgt Ion:149 Resp: 2034

Ion Ratio Lower Upper

149 100

150 13.5 8.2 12.2#

104 0.0 4.8 7.2#

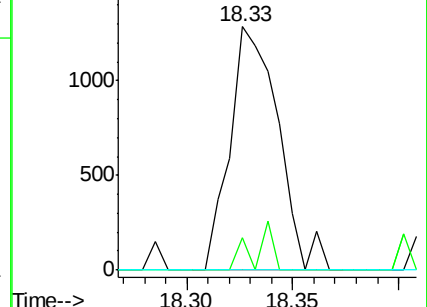
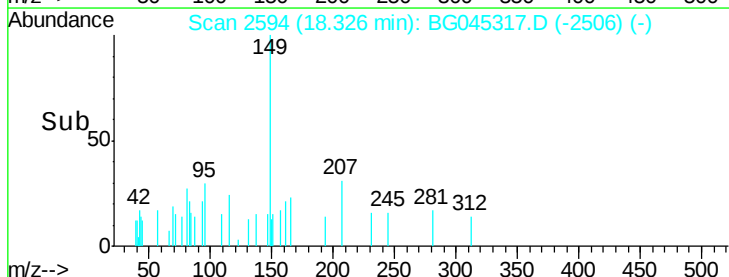


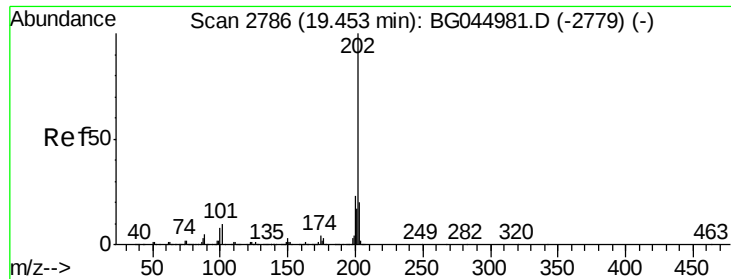
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

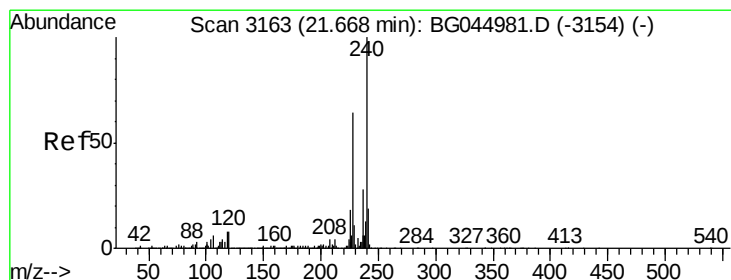
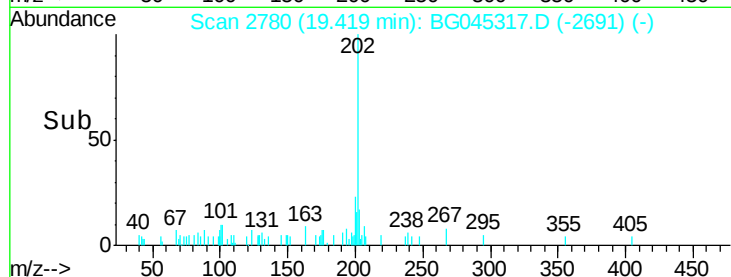
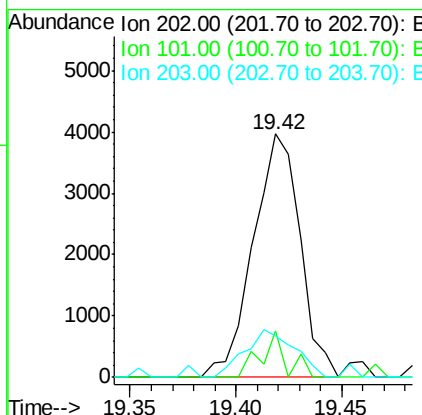
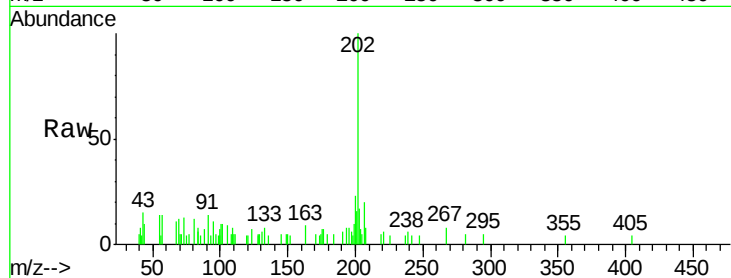
Instrument :

BNA_G

ClientSampleId :

TP-13A

Tot Ion:	202	Resp:	6113
Ion	Ratio	Lower	Upper
202	100		
101	19.3	0.0	29.6
203	16.9	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

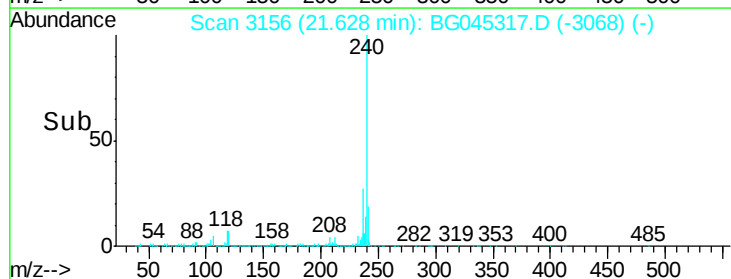
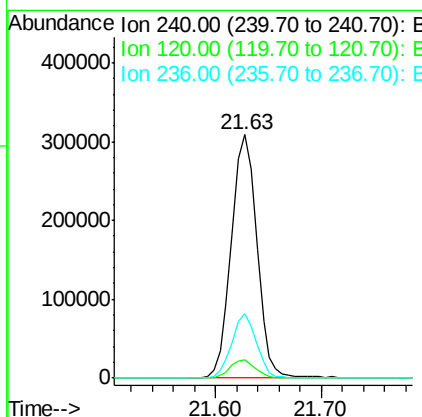
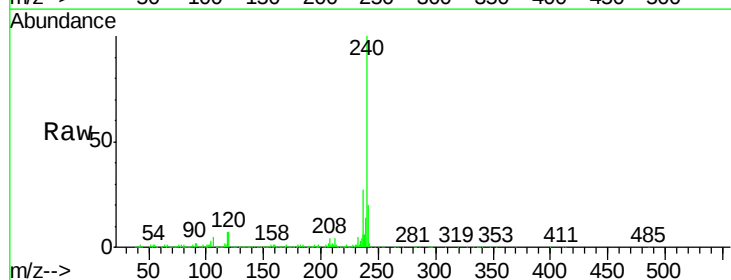
RT: 21.63 min Scan# 3156

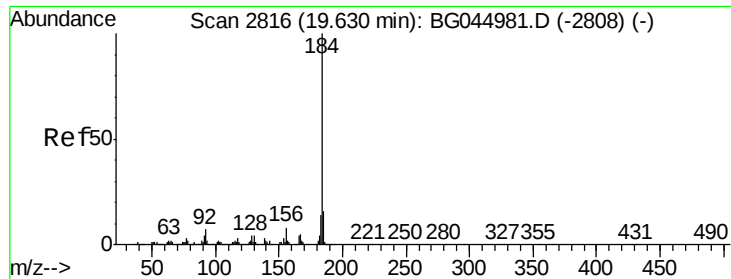
Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Tgt Ion:	240	Resp:	517542
Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.6	10.0
236	26.6	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2876

Delta R.T. 0.38 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

Instrument :

BNA_G

ClientSampleId :

TP-13A

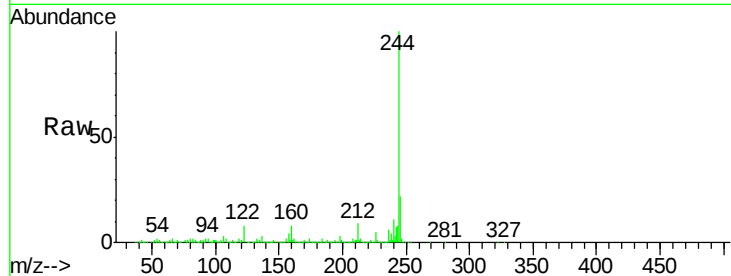
Tot Ion:184 Resp: 25997

Ion Ratio Lower Upper

184 100

185 15.7 12.6 19.0

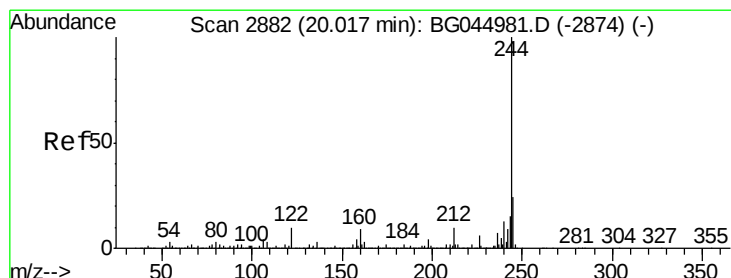
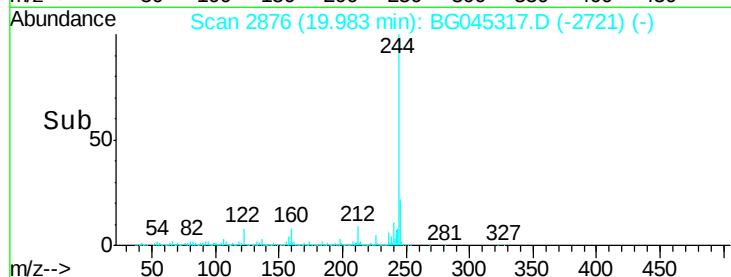
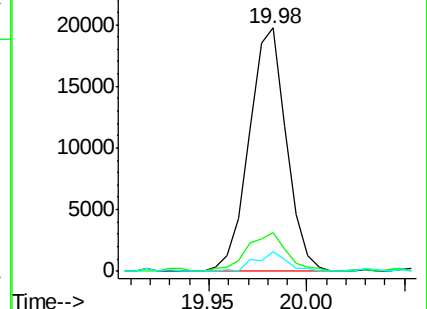
183 8.0 11.3 16.9#



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: 60.978 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045317.D

Acq: 12 May 2020 6:03

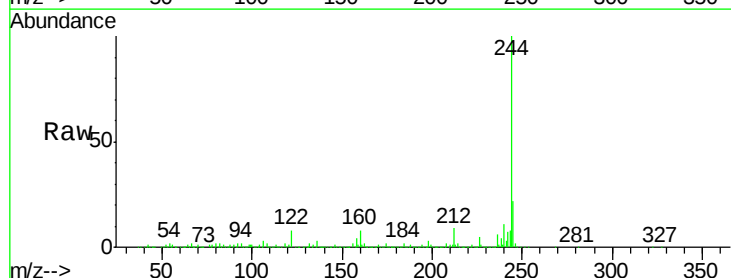
Tgt Ion:244 Resp: 1447938

Ion Ratio Lower Upper

244 100

212 8.7 7.9 11.9

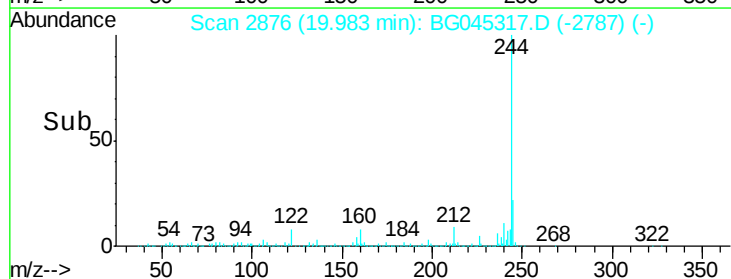
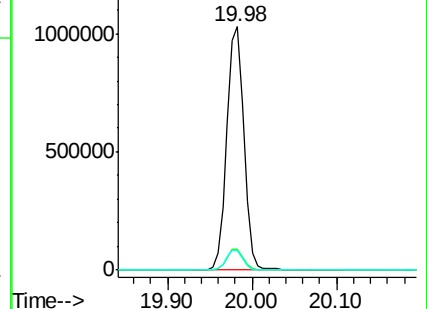
122 8.1 7.7 11.5

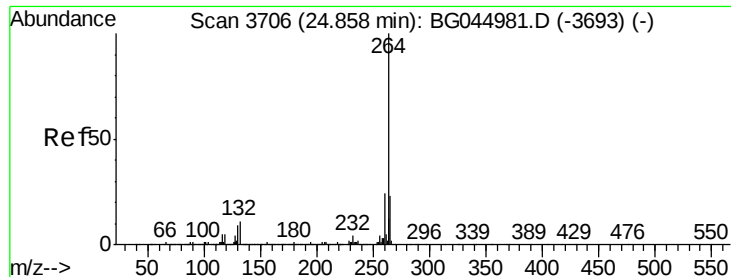


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

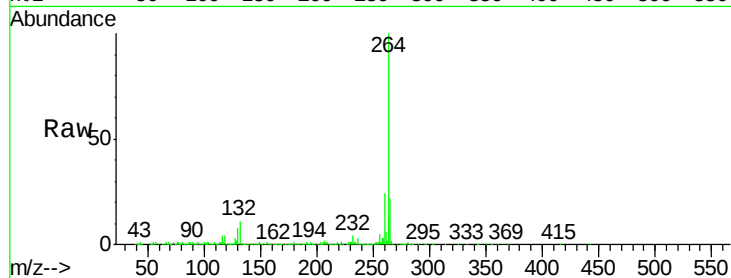




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3695
Delta R.T. -0.01 min
Lab File: BG045317.D
Acq: 12 May 2020 6:03

Instrument :
BNA_G
ClientSampleId :
TP-13A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	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

