

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042720\
 Data File : BG045180.D
 Acq On : 27 Apr 2020 15:55
 Operator : CG/JU
 Sample : L2331-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Quant Time: Apr 27 16:30:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 27 12:48:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	62027	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	235593	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	188001	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	501603	20.00	ng	0.00
76) Chrysene-d12	21.65	240	510005	20.00	ng	0.00
87) Perylene-d12	24.82	264	536537	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	461027	122.71	ng	0.00
7) Phenol-d6	7.15	99	584216	104.66	ng	0.00
23) Nitrobenzene-d5	9.15	82	502577	97.34	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	446984	153.90	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1256604	98.01	ng	0.00
79) Terphenyl-d14	19.99	244	2471070	105.60	ng	0.00

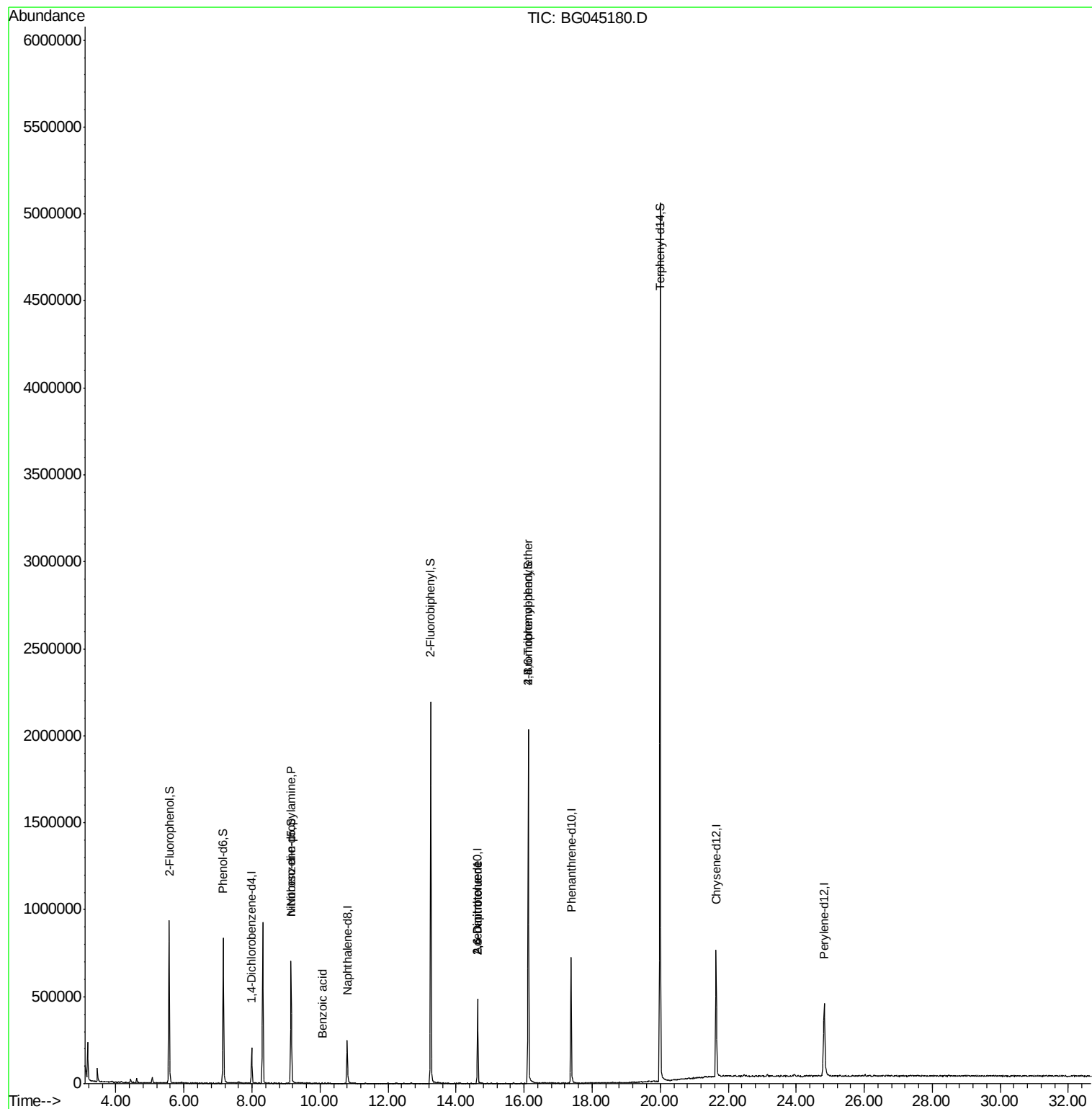
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1254	Below Cal	#	18
19) n-Nitroso-di-n-propylamine	9.15	70	69355	17.569 ng	#	77
32) Benzoic acid	10.08	122	57	6.391 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	25020	7.307 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	25020	5.000 ng	#	22
67) 4-Bromophenyl-phenylether	16.12	248	30872	4.771 ng	#	1
69) Atrazine	16.99	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	2636	Below Cal	#	53
75) Fluoranthene	19.43	202	1094	Below Cal	#	62
77) Benzidine	19.64	184	2413	Below Cal	#	82

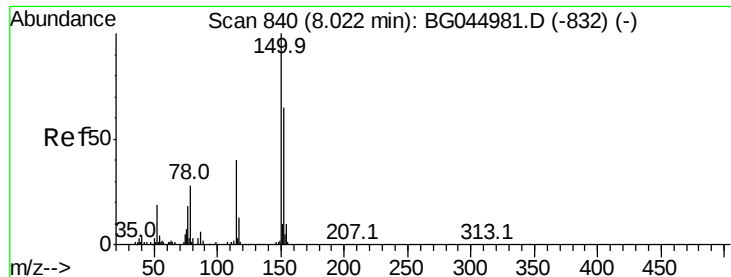
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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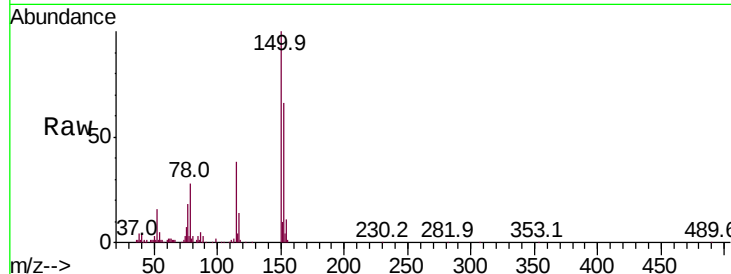


#1

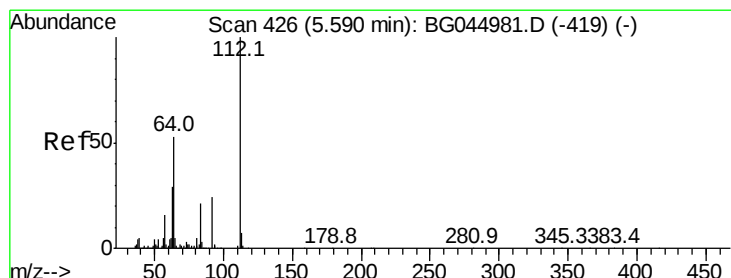
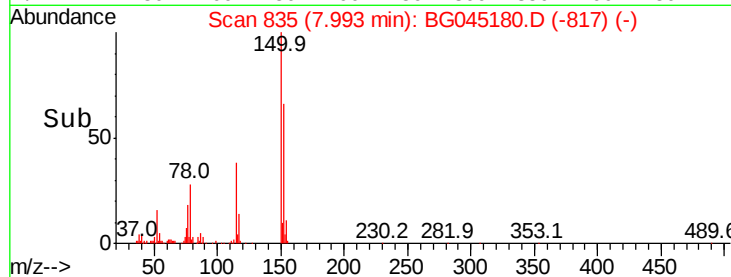
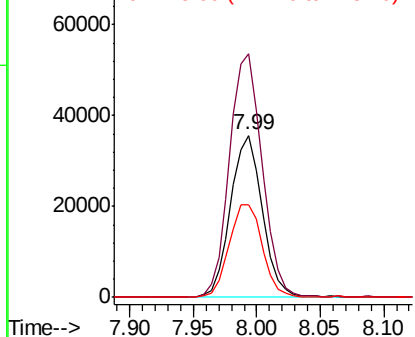
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. 0.00 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tot Ion:152 Resp: 62027
Ion Ratio Lower Upper
152 100
150 150.6 123.6 185.4
115 57.4 49.1 73.7



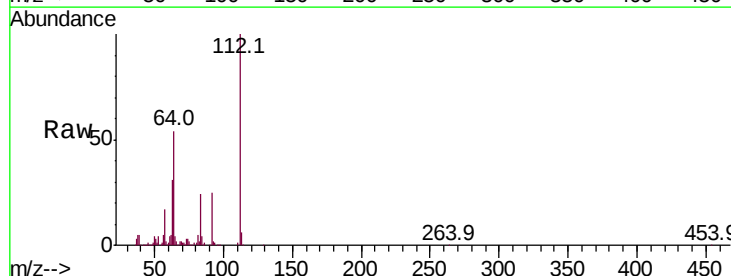
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



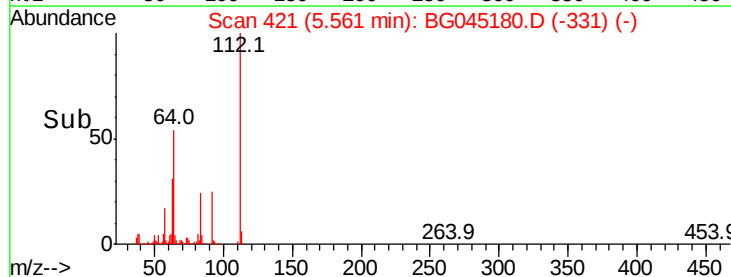
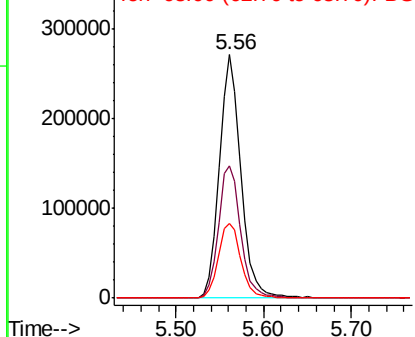
#5

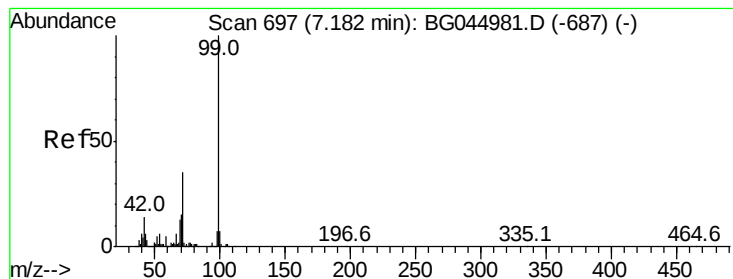
2-Fluorophenol
Concen: 122.710 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Tgt Ion:112 Resp: 461027
Ion Ratio Lower Upper
112 100
64 54.4 42.4 63.6
63 30.6 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: 104.660 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

Instrument :

BNA_G

ClientSampleId :

TP-19A

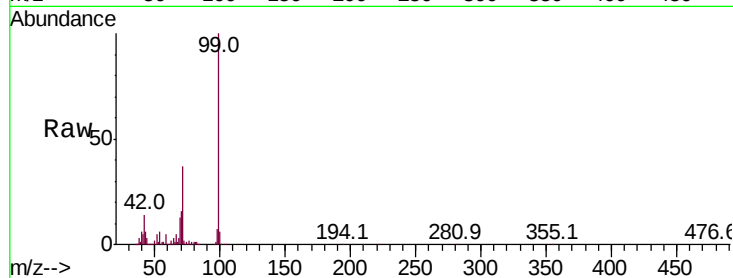
Tot Ion: 99 Resp: 584216

Ion Ratio Lower Upper

99 100

42 14.4 11.3 16.9

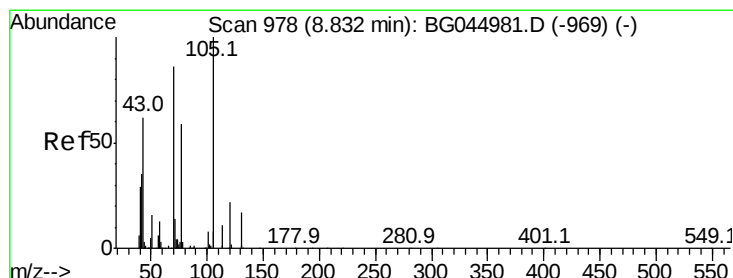
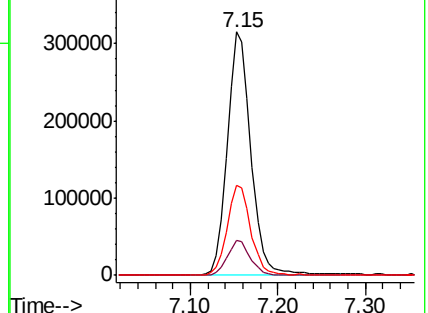
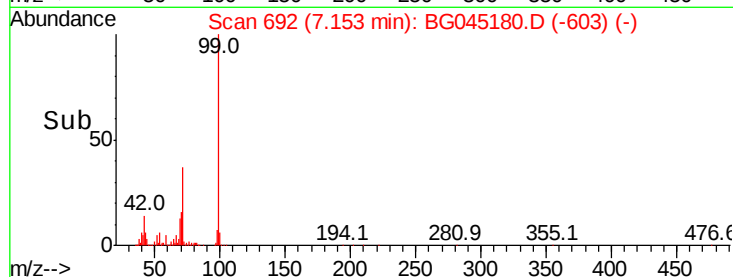
71 37.0 28.3 42.5



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: 17.569 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

Tgt Ion: 70 Resp: 69355

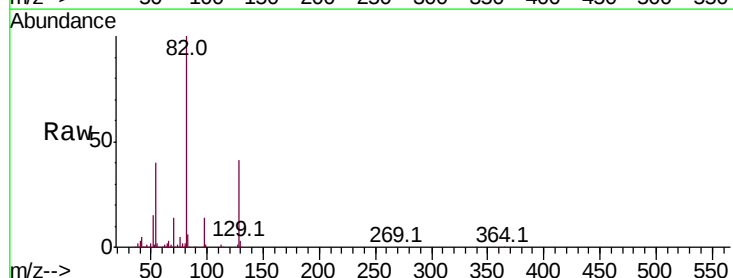
Ion Ratio Lower Upper

70 100

42 32.8 33.3 49.9#

101 0.0 7.8 11.8#

130 1.3 15.8 23.6#

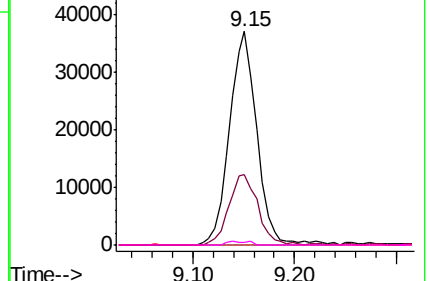
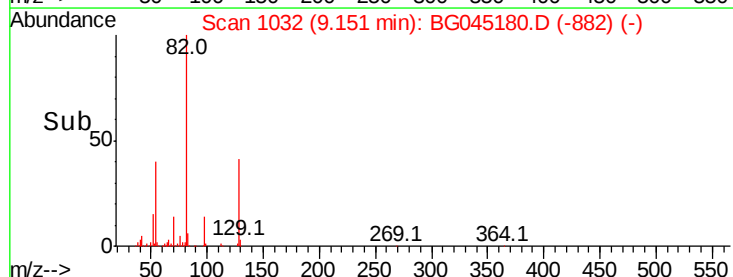


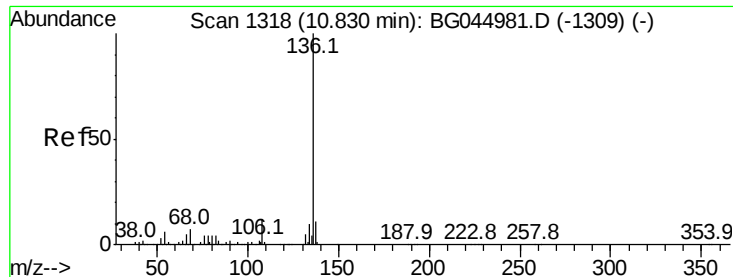
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

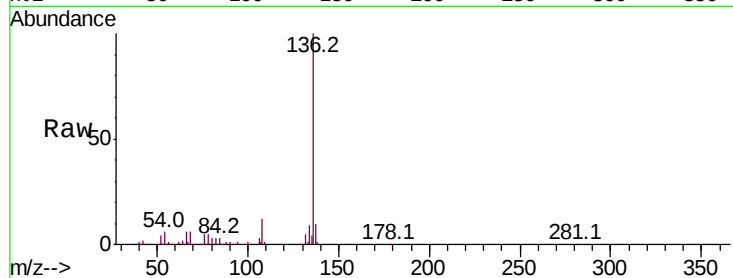




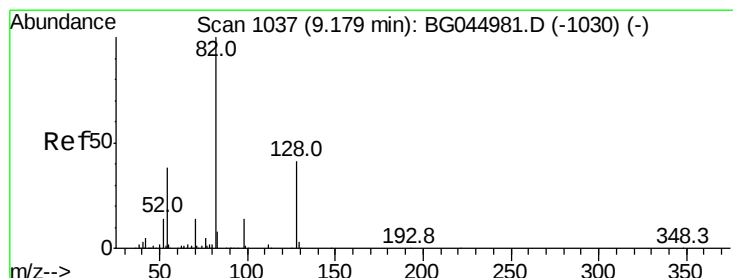
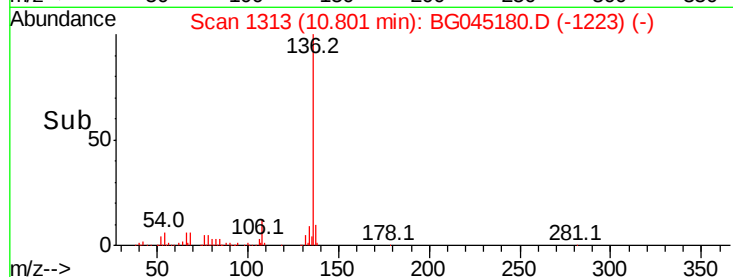
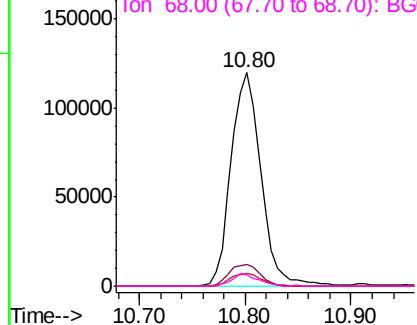
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tot Ion:	136	Resp:	235593
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	6.3	4.8	7.2
68	5.5	5.2	7.8

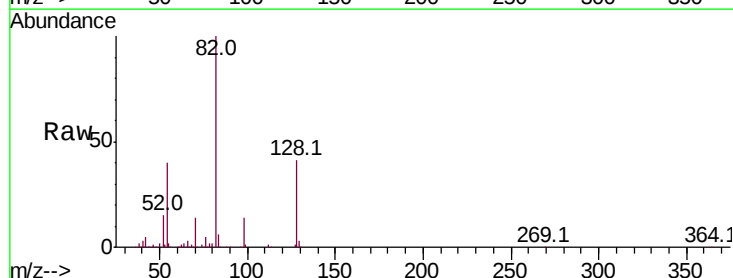


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

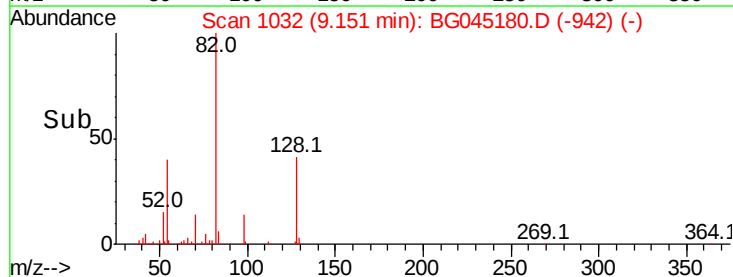
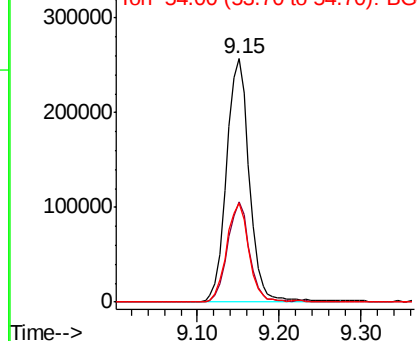


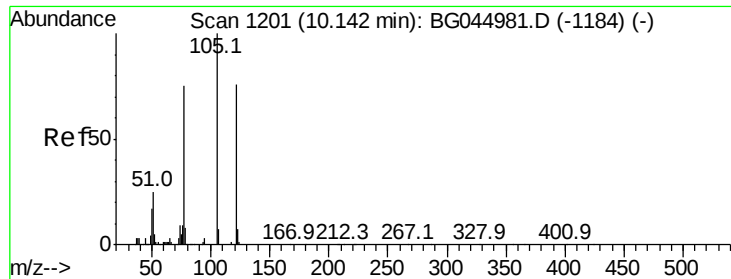
#23
Nitrobenzene-d5
Concen: 97.337 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Tgt Ion:	82	Resp:	502577
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.0	49.4
54	40.4	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

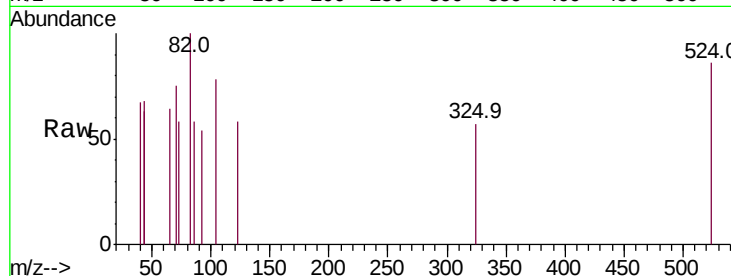




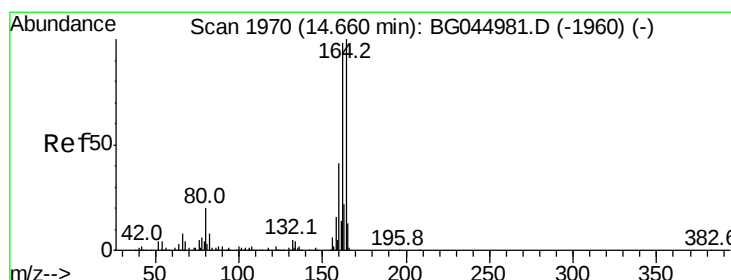
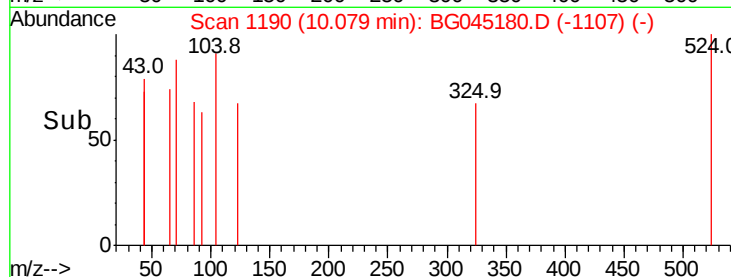
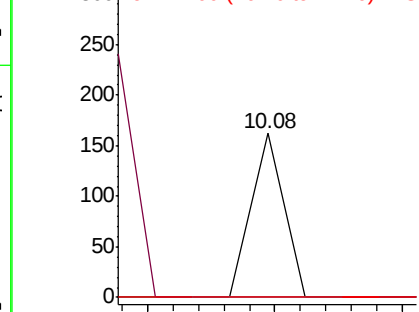
#32
Benzoic acid
Concen: 6.391 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.04 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

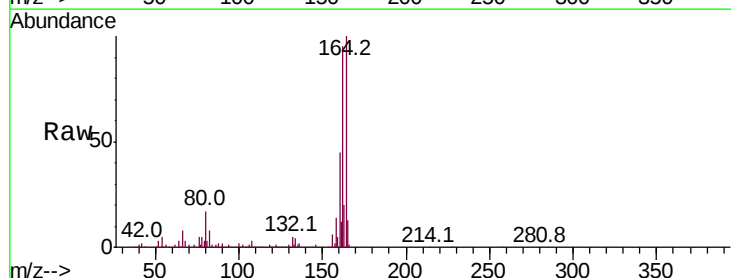


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

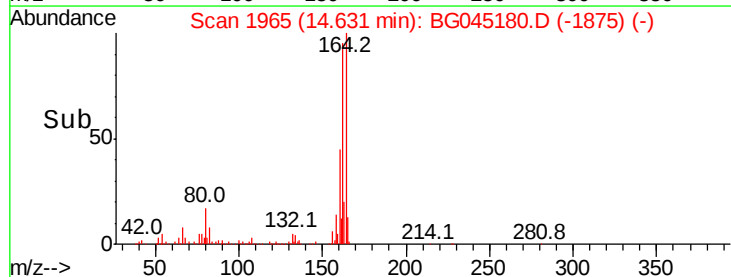
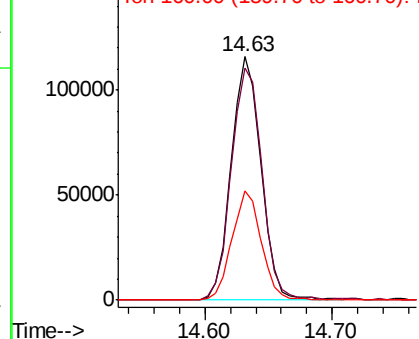


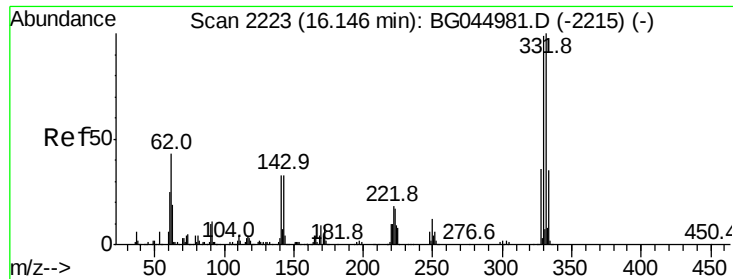
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Tgt Ion:164 Resp: 188001
Ion Ratio Lower Upper
164 100
162 95.5 78.7 118.1
160 44.7 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

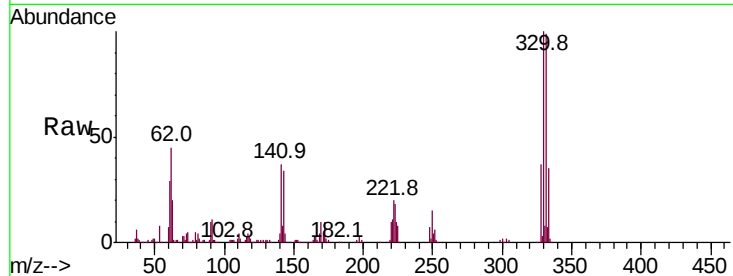




#42
 2,4,6-Tribromophenol
 Concen: 153.901 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG045180.D
 Acq: 27 Apr 2020 15:55

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	79.1	118.7
141	35.5	27.1	40.7

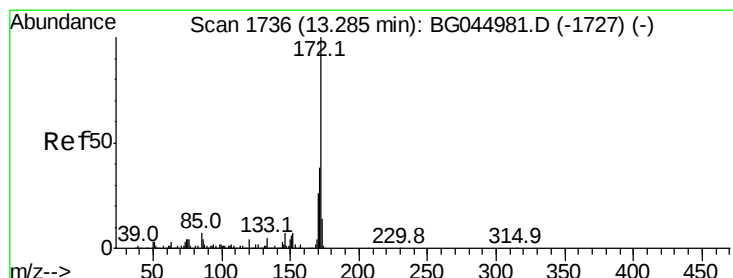
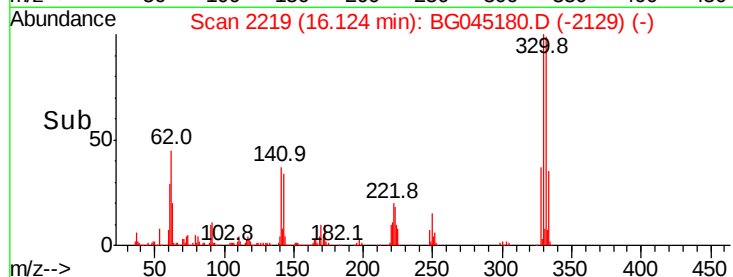
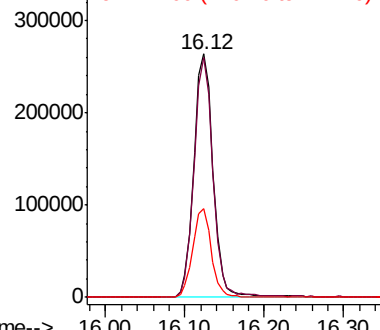


Abundance

Ion 329.80 (329.50 to 330.50): E

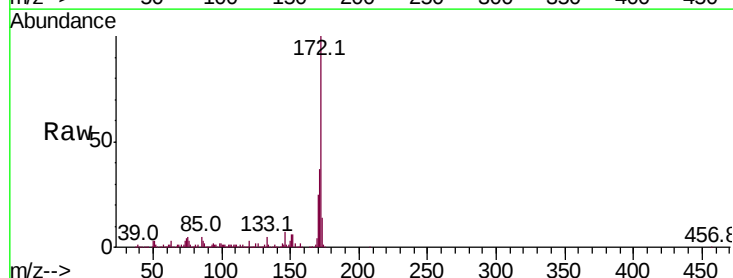
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.009 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG045180.D
 Acq: 27 Apr 2020 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	24.8	20.5	30.7

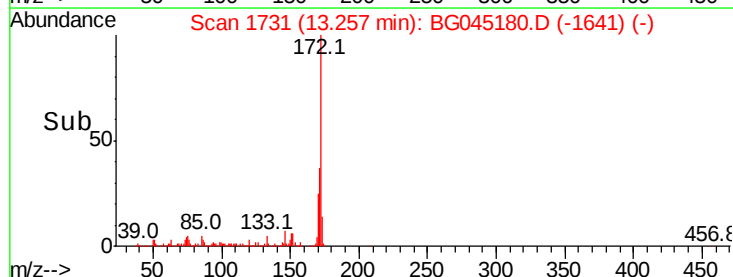
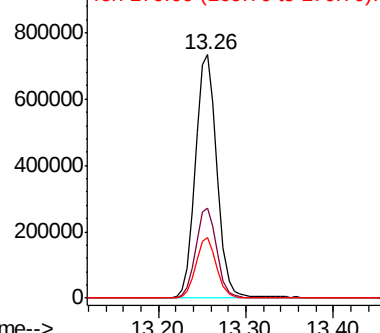


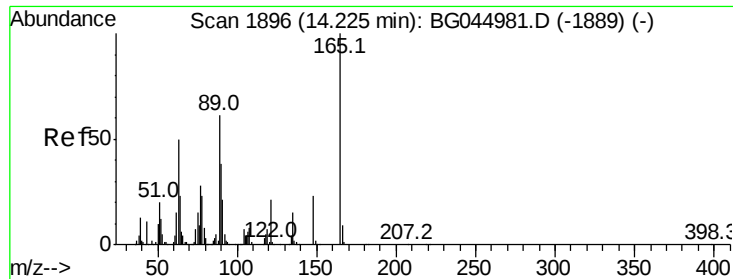
Abundance

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

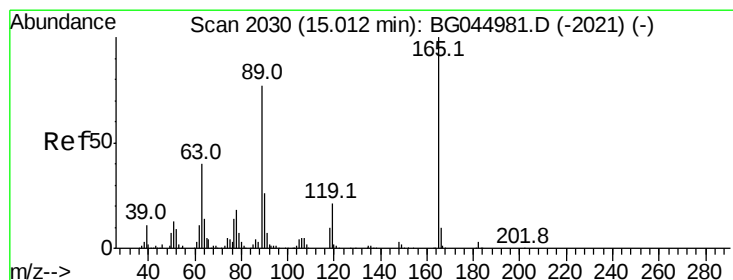
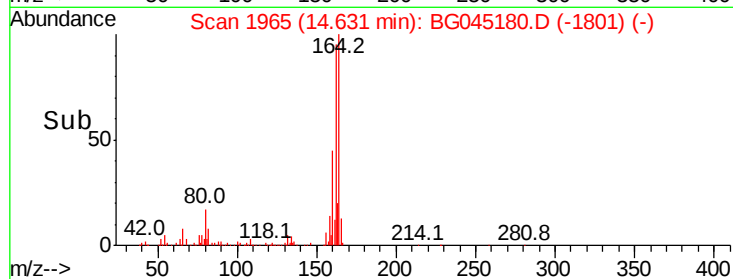
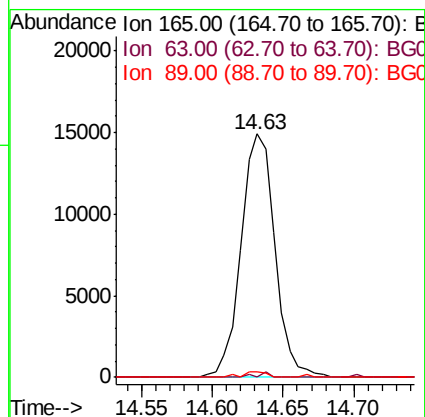
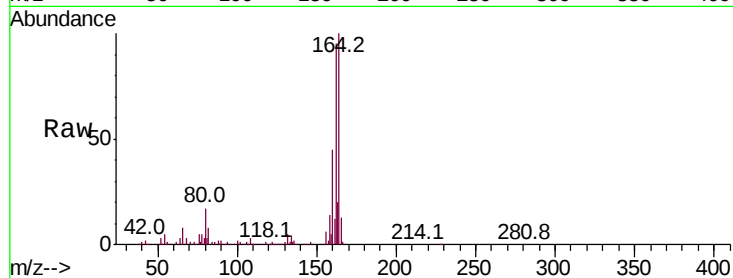




#51
 2,6-Dinitrotoluene
 Concen: 7.307 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.43 min
 Lab File: BG045180.D
 Acq: 27 Apr 2020 15:55

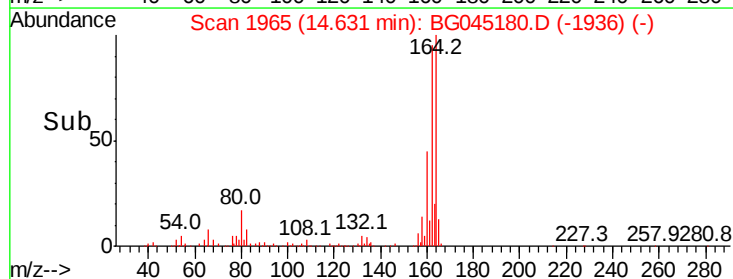
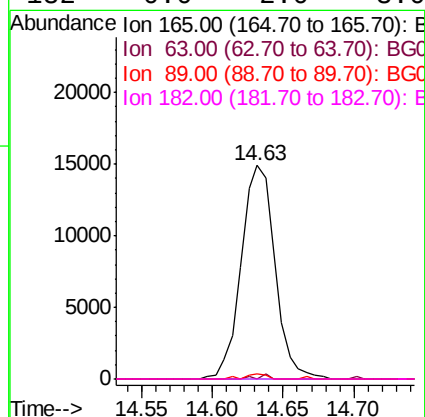
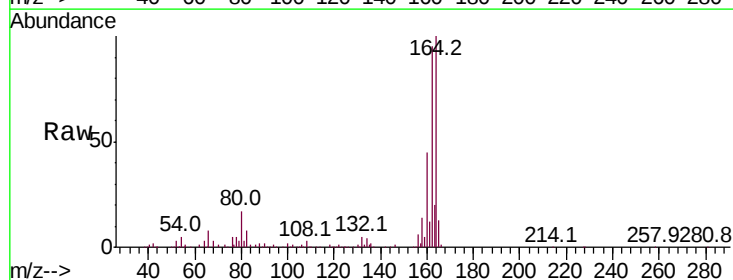
Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

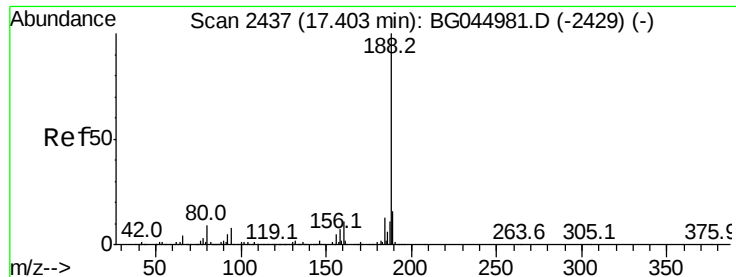
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	2.4	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.000 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.36 min
 Lab File: BG045180.D
 Acq: 27 Apr 2020 15:55

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

Instrument :

BNA_G

ClientSampleId :

TP-19A

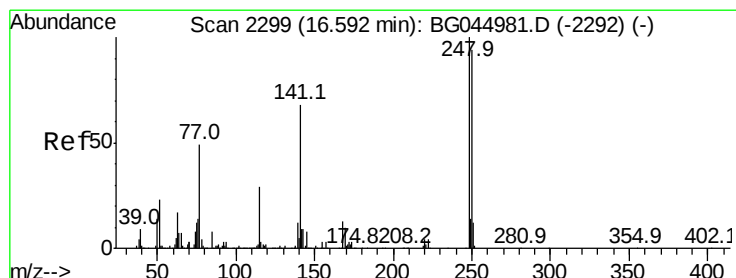
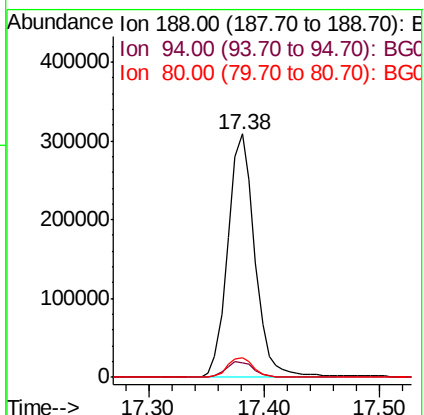
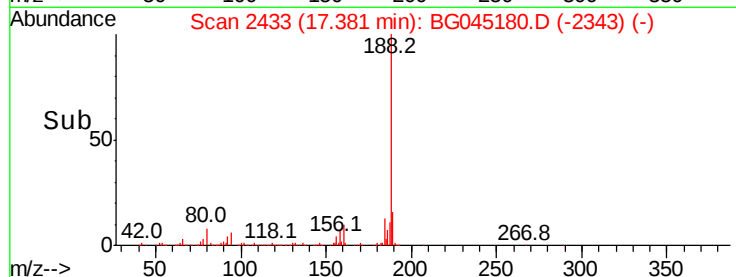
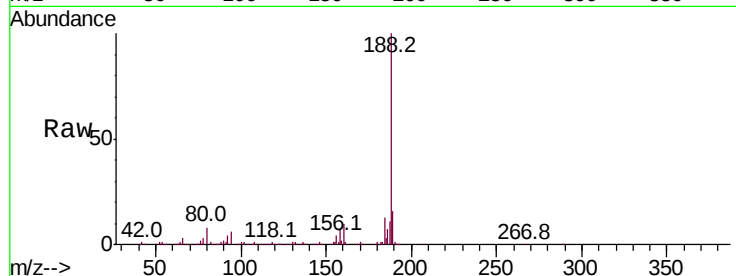
Tot Ion:188 Resp: 501603

Ion Ratio Lower Upper

188 100

94 5.9 6.2 9.4#

80 8.2 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 4.771 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

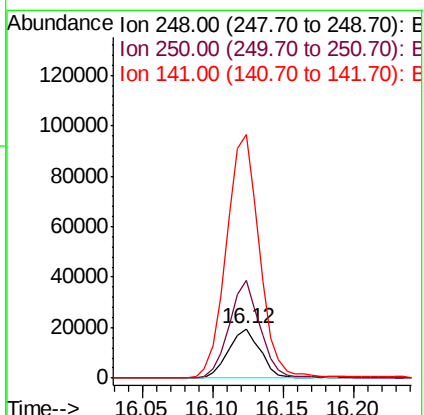
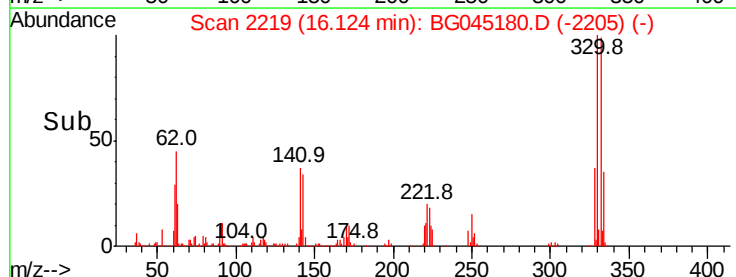
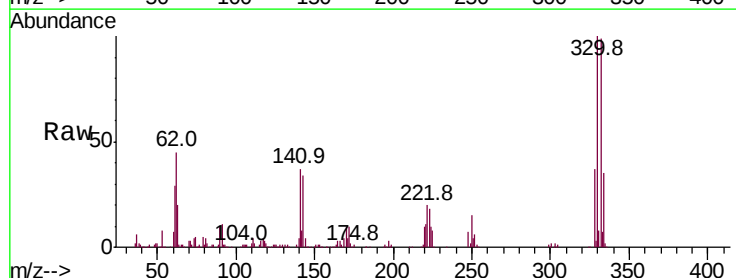
Tgt Ion:248 Resp: 30872

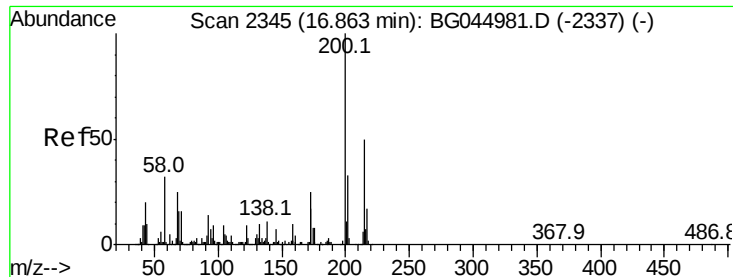
Ion Ratio Lower Upper

248 100

250 196.6 75.4 113.2#

141 491.2 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 16.99 min Scan# 2367

Delta R.T. 0.15 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

Instrument :

BNA_G

ClientSampleId :

TP-19A

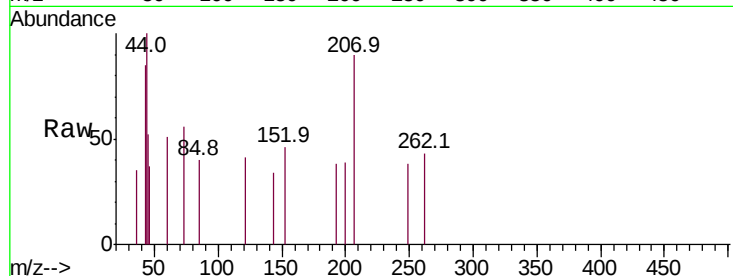
Tot Ion:200 Resp: 62

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



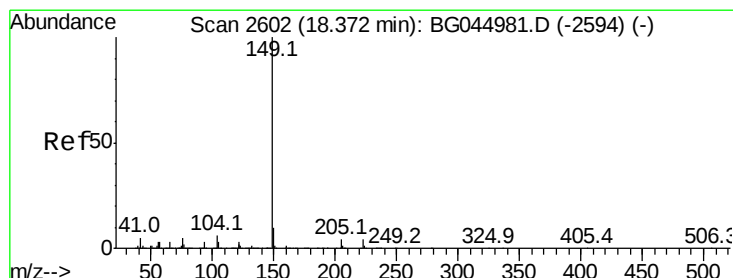
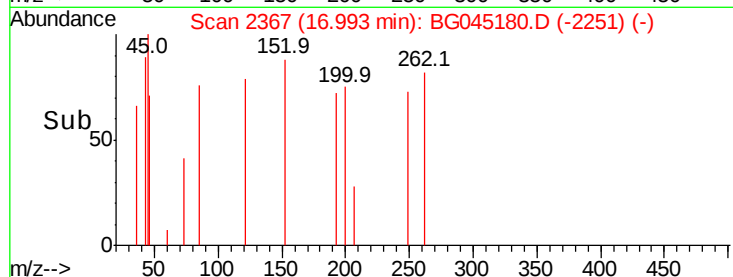
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.99

Time--> 16.98 17.00



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

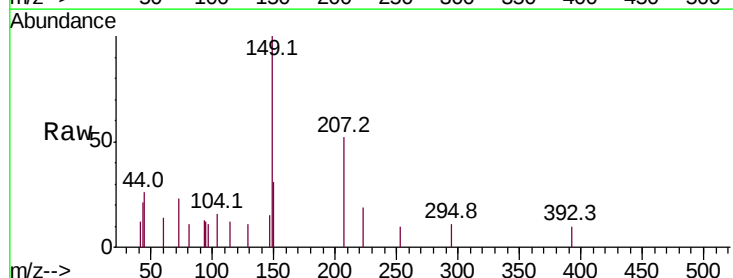
Tgt Ion:149 Resp: 2636

Ion Ratio Lower Upper

149 100

150 31.4 8.2 12.2#

104 16.5 4.8 7.2#



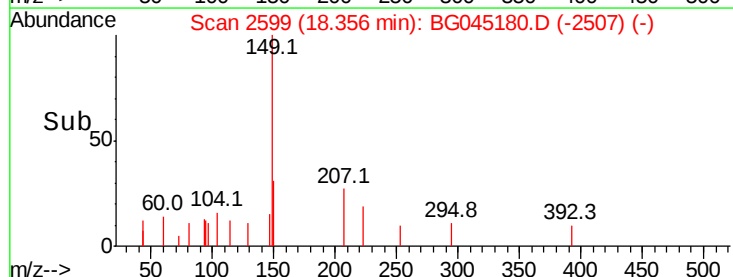
Abundance Ion 149.00 (148.70 to 149.70): E

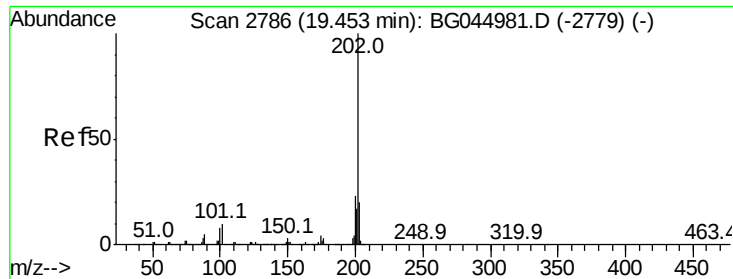
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.36

Time--> 18.30 18.35 18.40





#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

Instrument :

BNA_G

ClientSampleId :

TP-19A

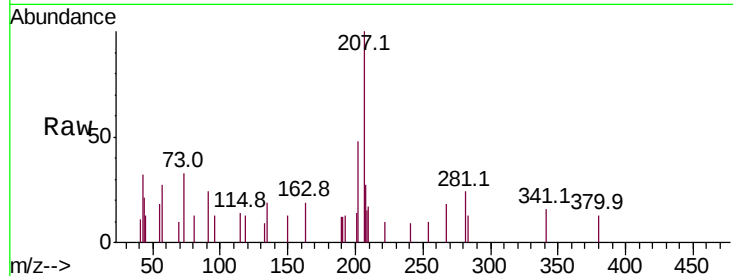
Tot Ion:202 Resp: 1094

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

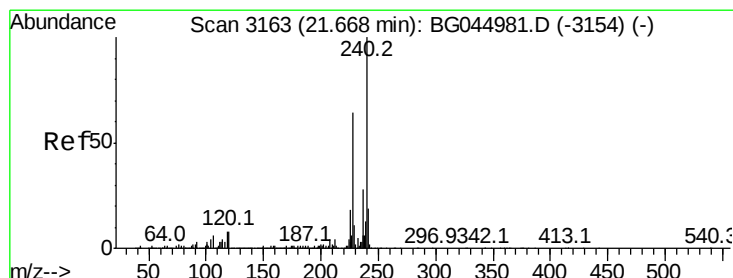
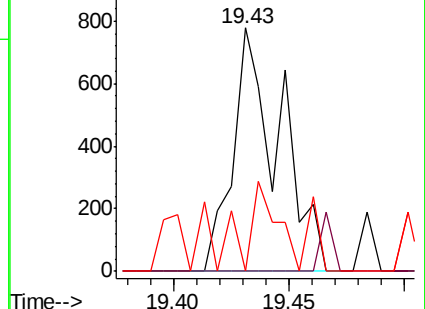
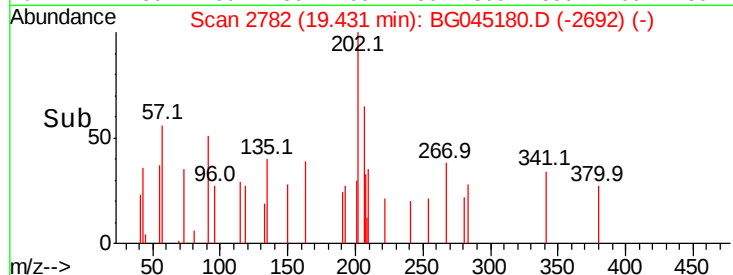
203 0.0 0.0 39.7



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: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

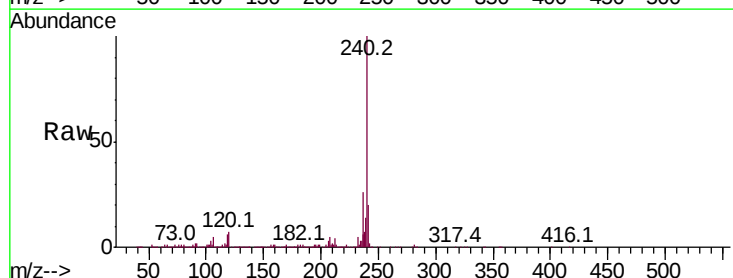
Tgt Ion:240 Resp: 510005

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

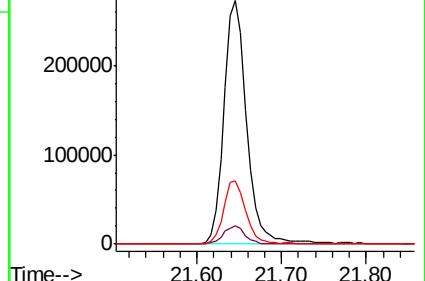
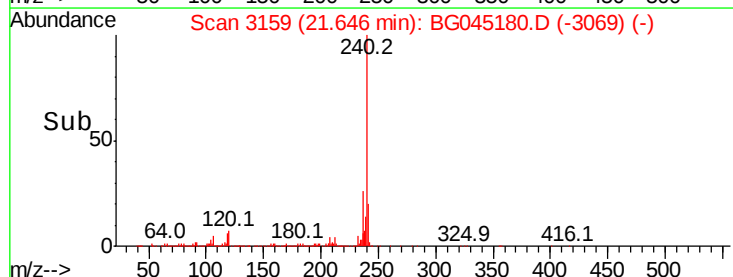
236 25.7 22.2 33.2

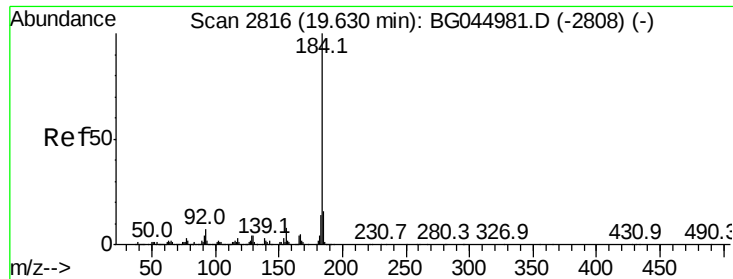


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.64 min Scan# 2817

Delta R.T. 0.03 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

Instrument :

BNA_G

ClientSampleId :

TP-19A

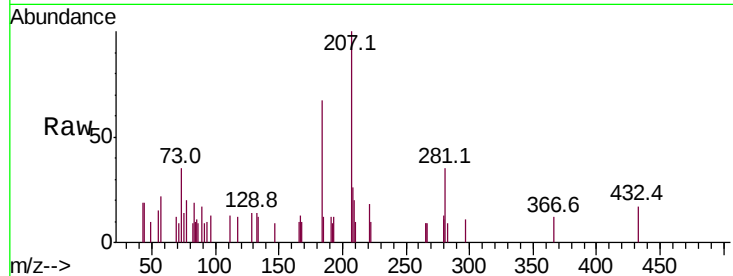
Tot Ion:184 Resp: 2413

Ion Ratio Lower Upper

184 100

185 17.2 12.6 19.0

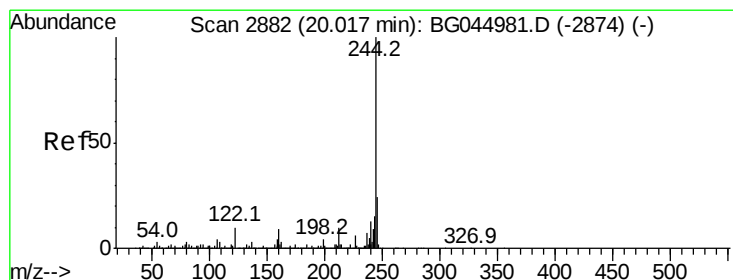
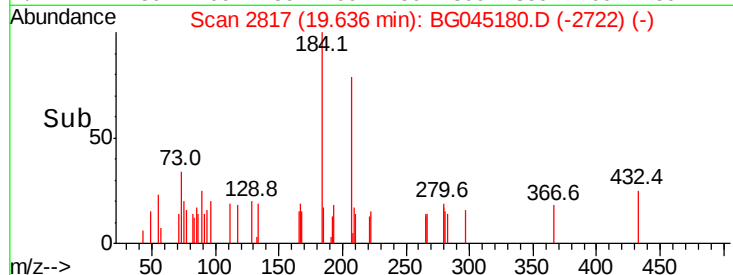
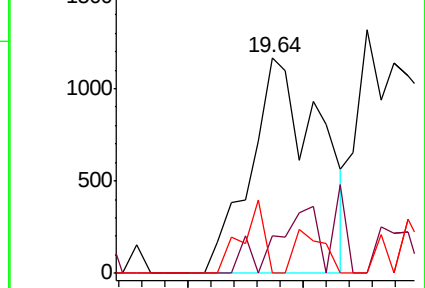
183 0.0 11.3 16.9#



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: 105.604 ng

RT: 19.99 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045180.D

Acq: 27 Apr 2020 15:55

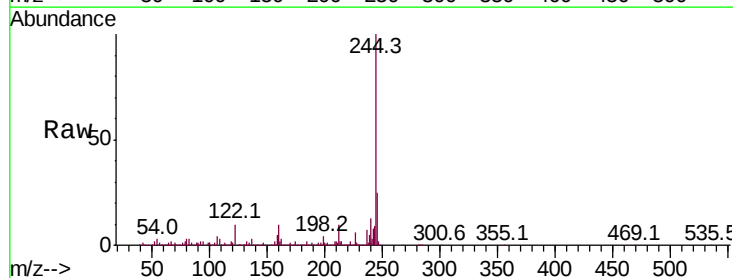
Tgt Ion:244 Resp: 2471070

Ion Ratio Lower Upper

244 100

212 10.4 7.9 11.9

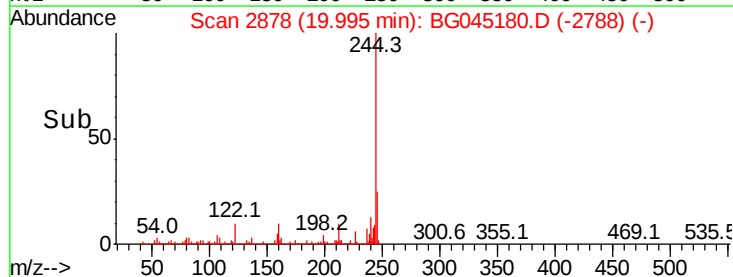
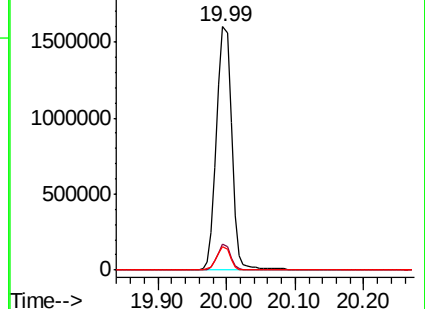
122 9.9 7.7 11.5

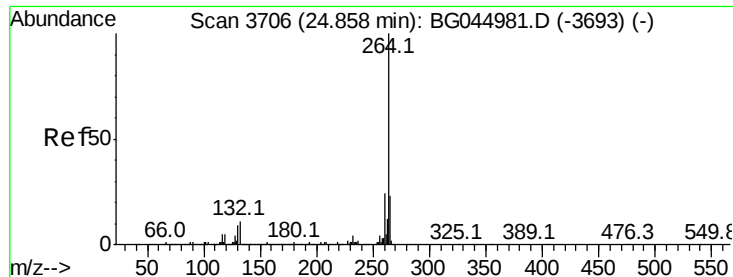


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min
Lab File: BG045180.D
Acq: 27 Apr 2020 15:55

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.3	19.0	28.4

