

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042820\
 Data File : BG045194.D
 Acq On : 28 Apr 2020 20:53
 Operator : CG/JU
 Sample : L2408-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 29 01:19:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 14:34:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	60879	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	234938	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	178558	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	431977	20.00	ng	0.00
76) Chrysene-d12	21.64	240	401987	20.00	ng	0.00
87) Perylene-d12	24.82	264	443916	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	180997	49.08	ng	0.00
7) Phenol-d6	7.16	99	160874	29.36	ng	0.00
23) Nitrobenzene-d5	9.15	82	471183	91.51	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	266663	96.67	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1081559	88.82	ng	0.00
79) Terphenyl-d14	19.99	244	1804073	97.82	ng	0.00

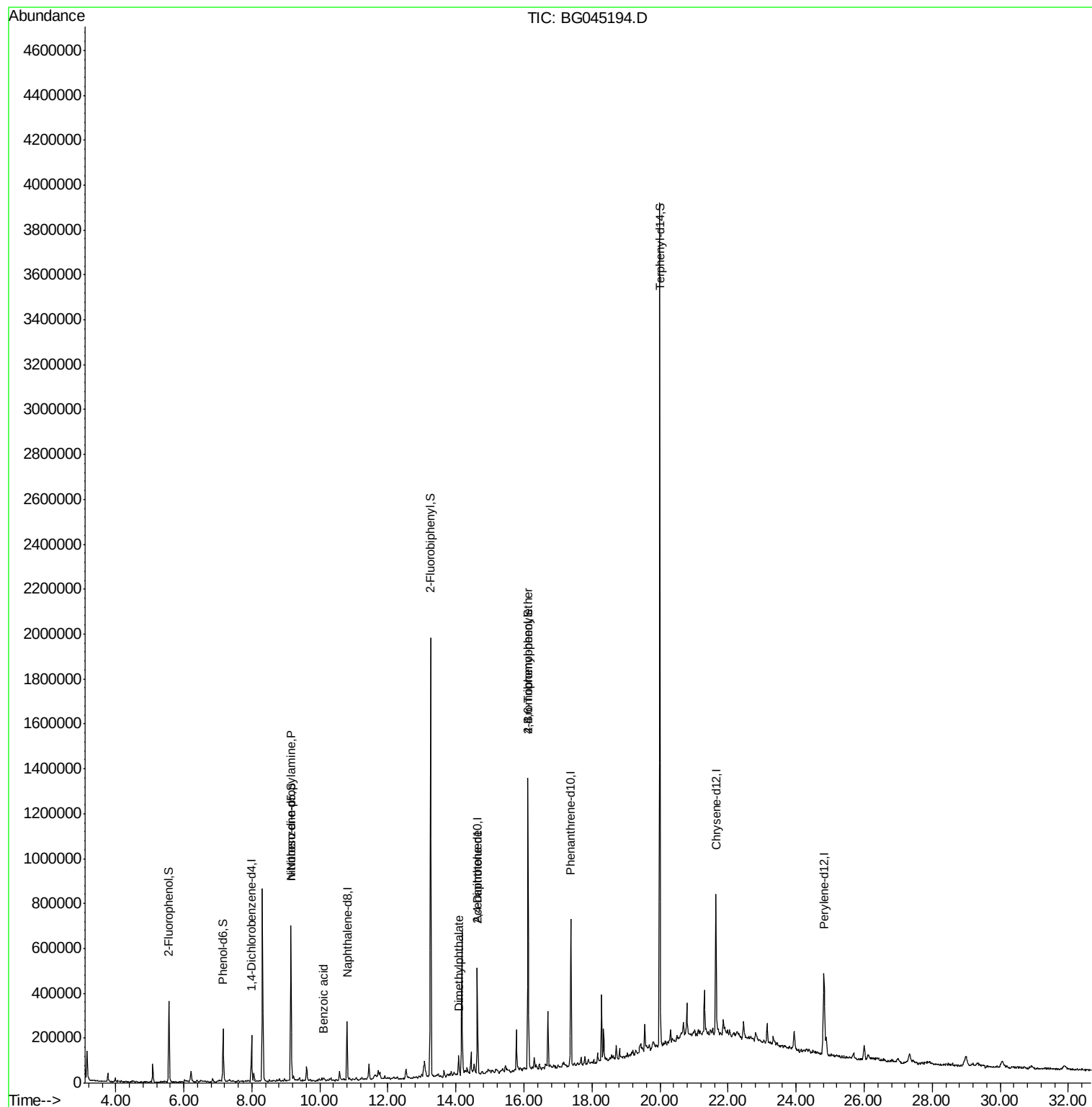
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	500	Below Cal	#	48
19) n-Nitroso-di-n-propylamine	9.15	70	63956	16.507 ng	#	83
32) Benzoic acid	10.11	122	141	6.416 ng	#	63
50) Dimethylphthalate	14.08	163	54941	3.779 ng		98
57) 2,4-Dinitrotoluene	14.63	165	24016	5.053 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	17956	3.222 ng	#	1
69) Atrazine	16.83	200	454	Below Cal	#	24
74) Di-n-butylphthalate	18.35	149	98167	Below Cal		98
75) Fluoranthene	19.43	202	6040	Below Cal		82
77) Benzidine	19.53	184	1191	Below Cal	#	1

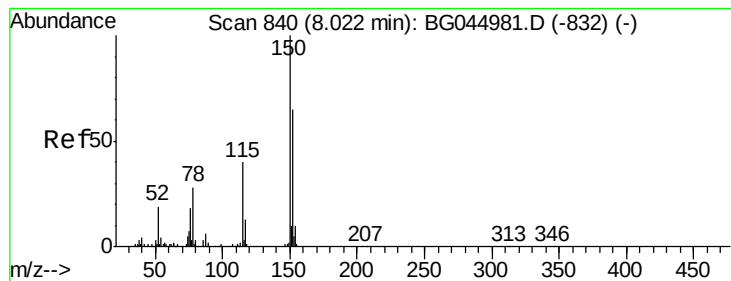
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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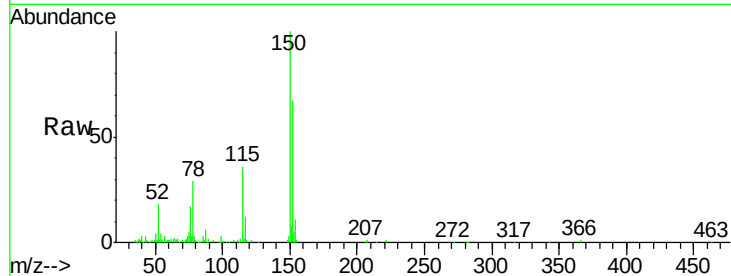


#1

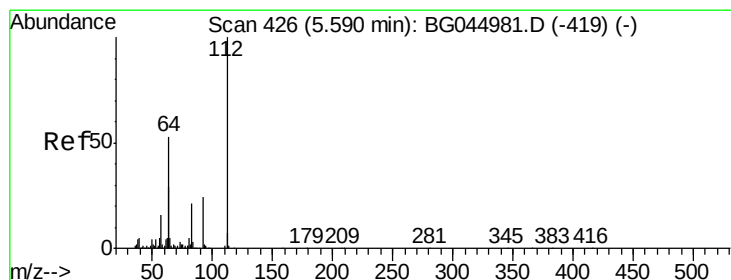
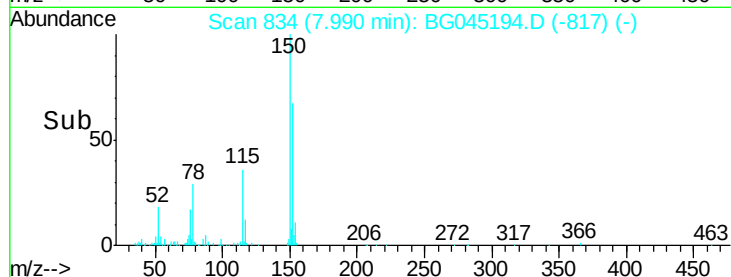
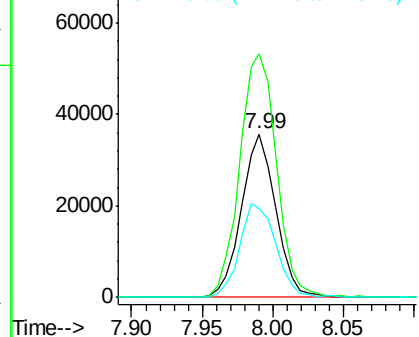
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60879
Ion Ratio Lower Upper
152 100
150 149.0 123.6 185.4
115 54.3 49.1 73.7



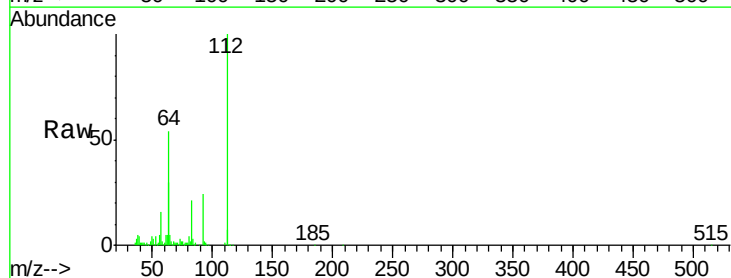
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



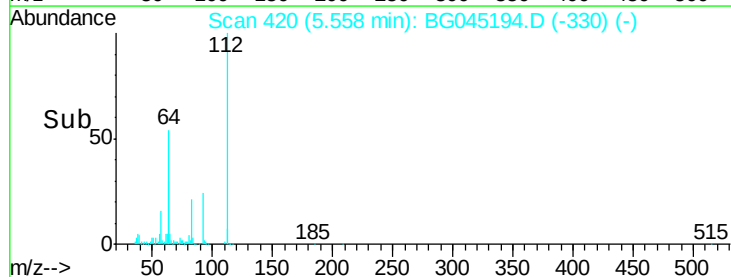
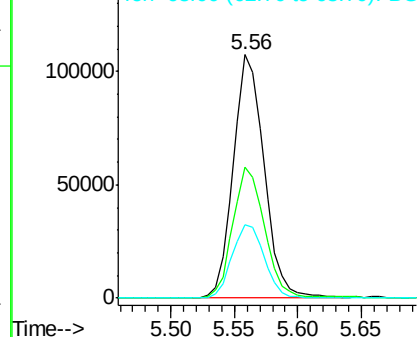
#5

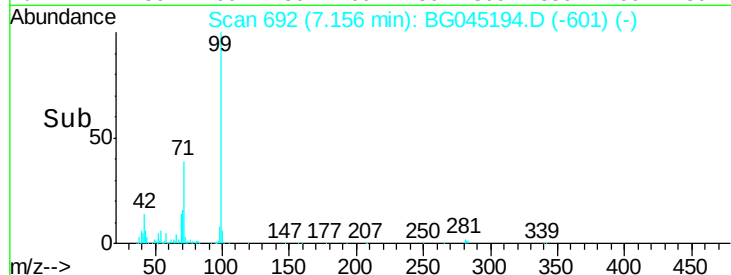
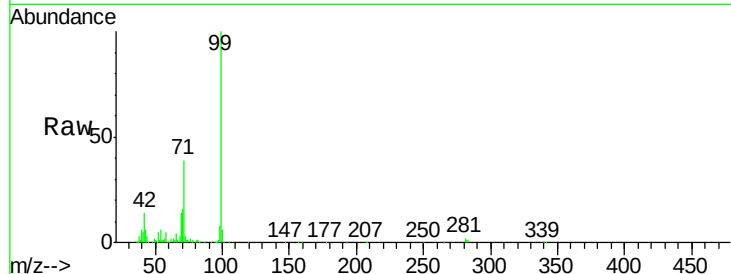
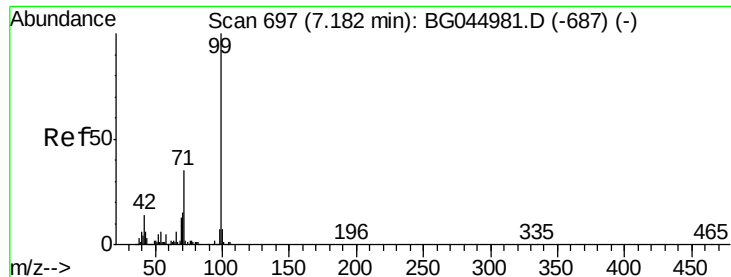
2-Fluorophenol
Concen: 49.084 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Tgt Ion:112 Resp: 180997
Ion Ratio Lower Upper
112 100
64 54.0 42.4 63.6
63 29.9 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: 29.363 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Instrument :

BNA_G

ClientSampleId :

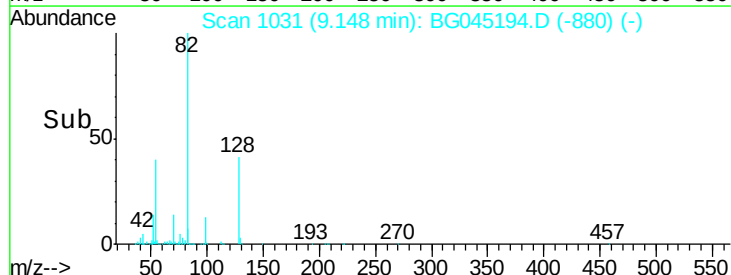
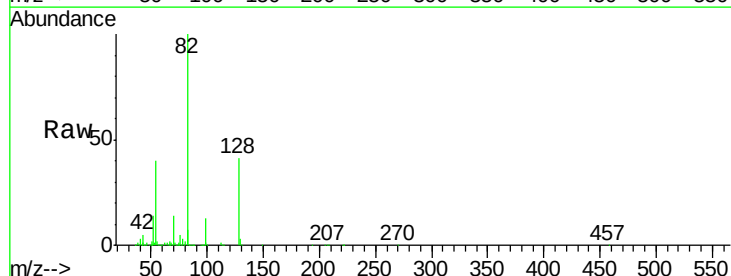
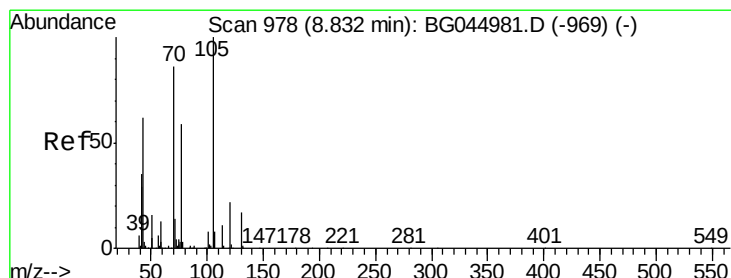
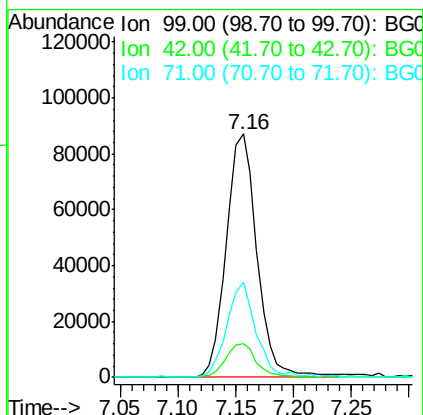
Tot Ion: 99 Resp: 160874

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

71 38.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.507 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Tgt Ion: 70 Resp: 63956

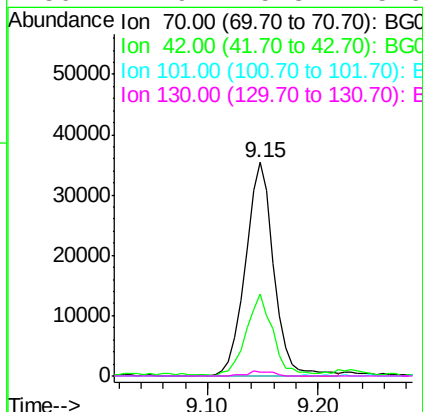
Ion Ratio Lower Upper

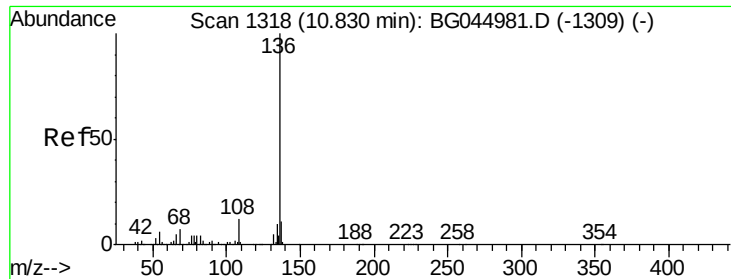
70 100

42 38.7 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

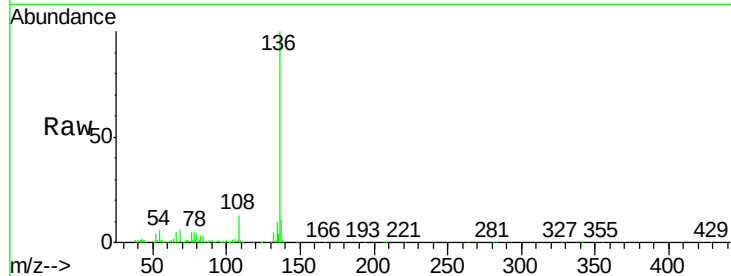




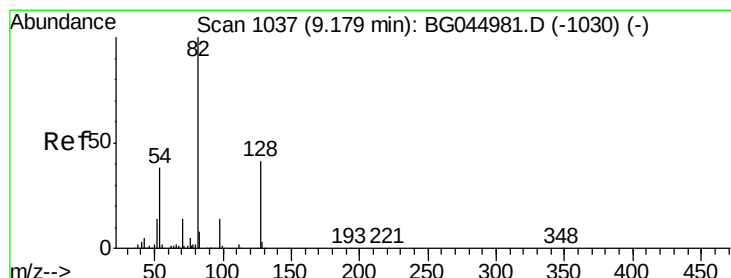
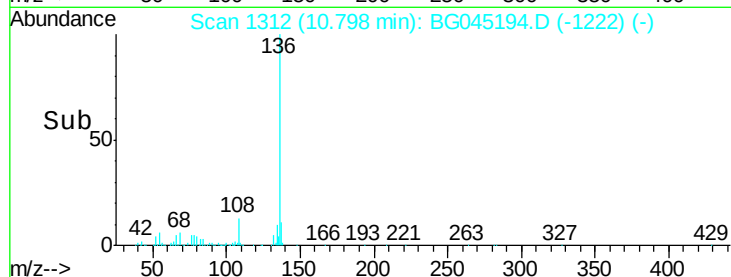
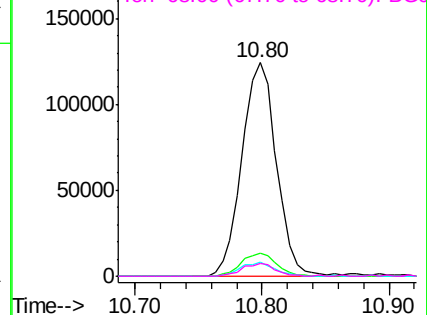
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	234938	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.6	13.0	
54 6.5	4.8	7.2	
68 5.8	5.2	7.8	

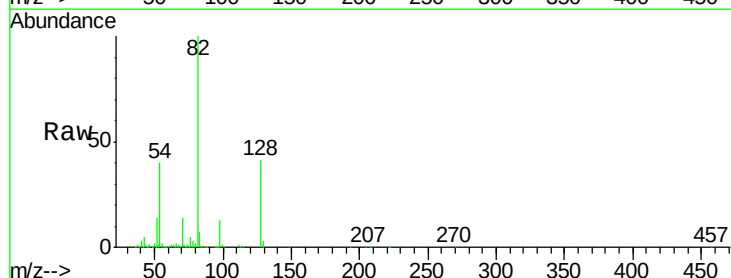


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

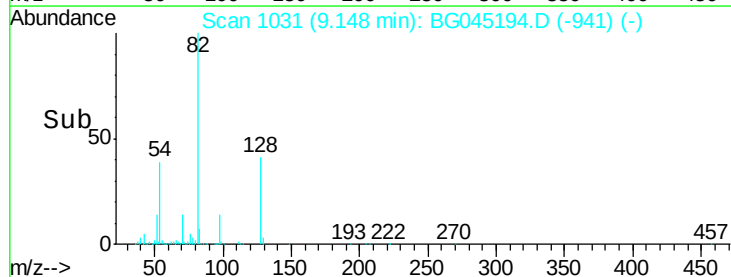
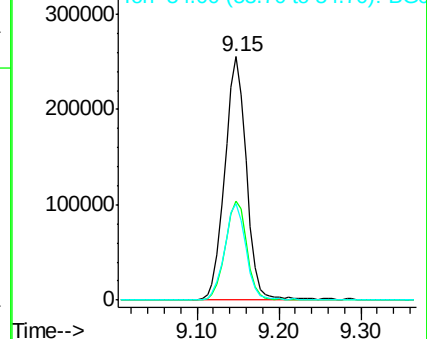


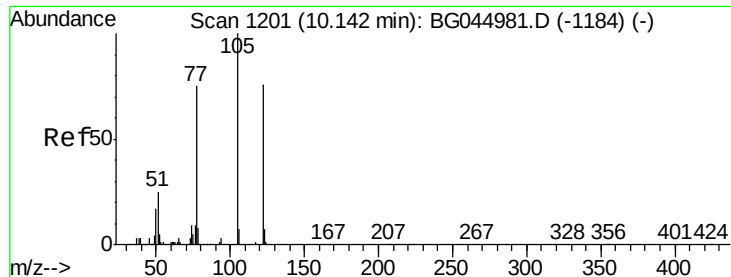
#23
Nitrobenzene-d5
Concen: 91.511 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Tgt Ion: 82	Resp: 471183
Ion Ratio	Lower Upper
82 100	
128 40.5	33.0 49.4
54 39.5	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

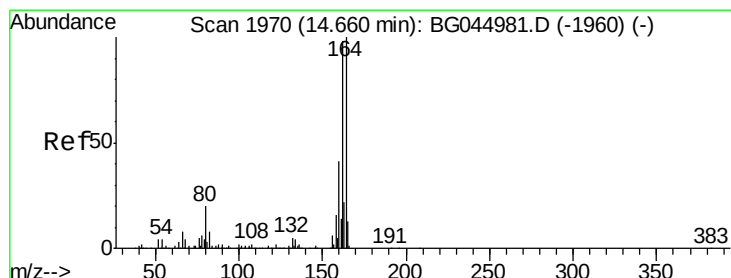
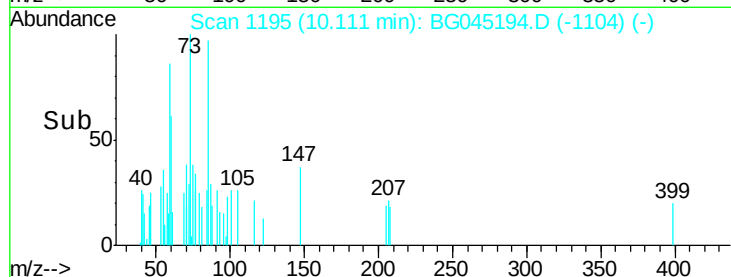
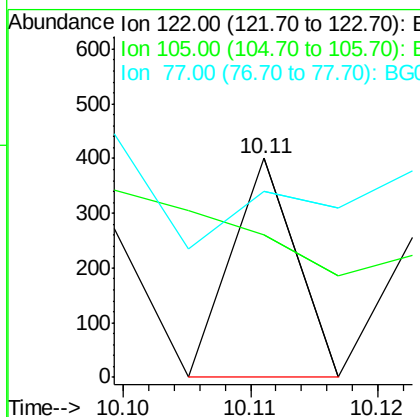
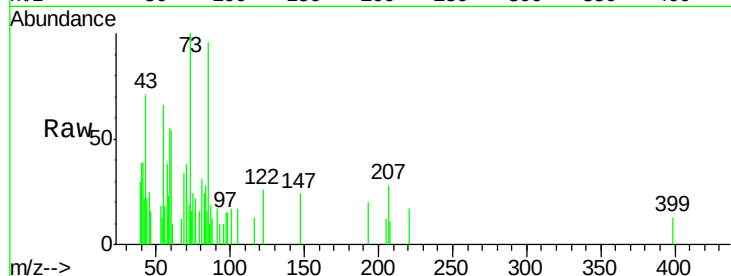




#32
Benzoic acid
Concen: 6.416 ng
RT: 10.11 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

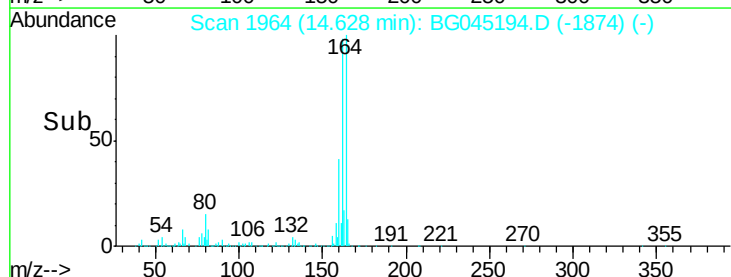
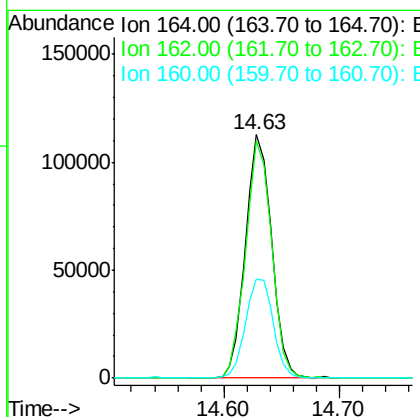
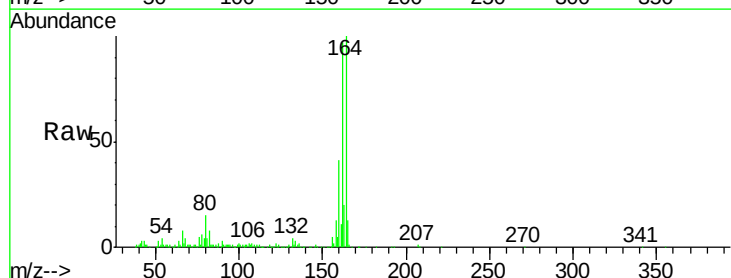
Instrument :
BNA_G
ClientSampled :

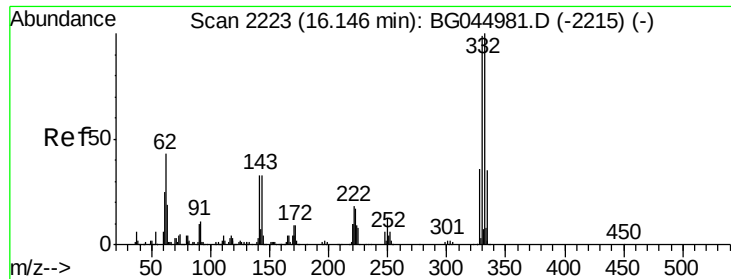
Tot Ion:122 Resp: 141
Ion Ratio Lower Upper
122 100
105 65.0 108.4 148.4#
77 85.2 78.8 118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Tgt Ion:164 Resp: 178558
Ion Ratio Lower Upper
164 100
162 97.4 78.7 118.1
160 40.7 32.8 49.2





#42

2,4,6-Tribromophenol

Concen: 96.670 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Instrument :

BNA_G

ClientSampleId :

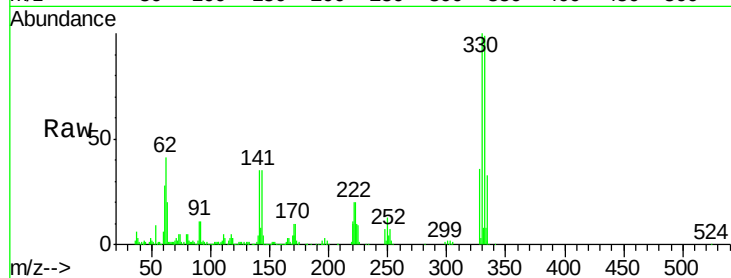
Tot Ion:330 Resp: 266663

Ion Ratio Lower Upper

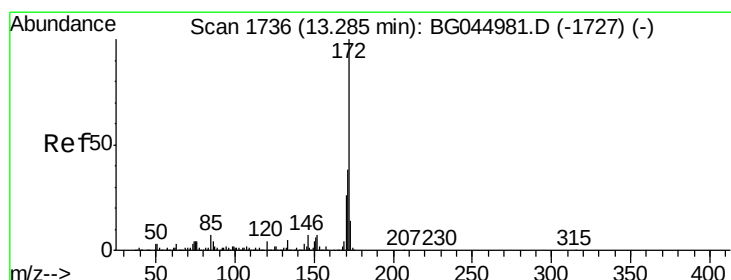
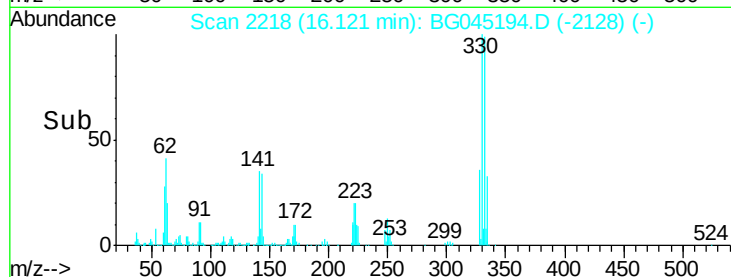
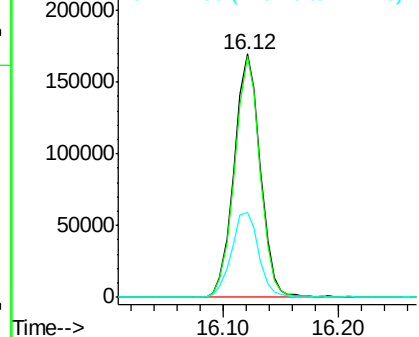
330 100

332 96.6 79.1 118.7

141 36.3 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: 88.818 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

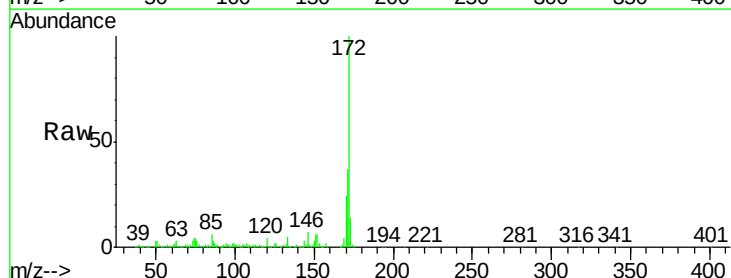
Tgt Ion:172 Resp: 1081559

Ion Ratio Lower Upper

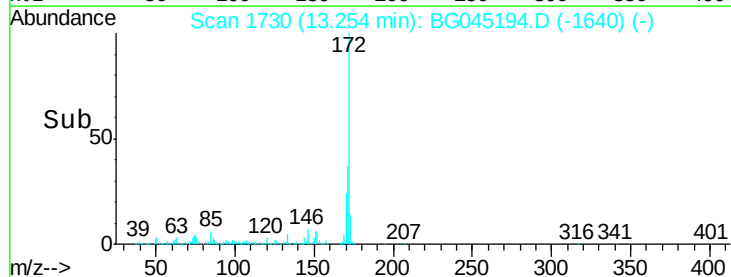
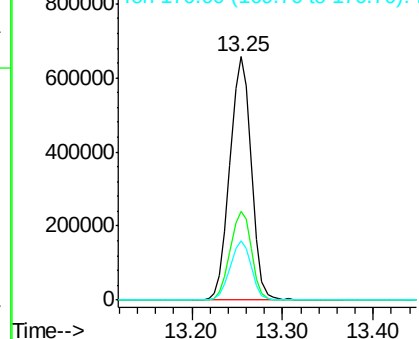
172 100

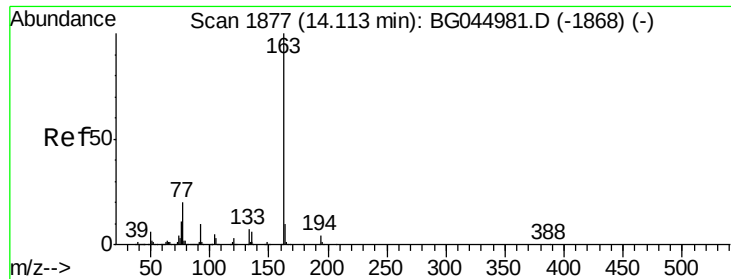
171 36.7 30.6 46.0

170 24.2 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

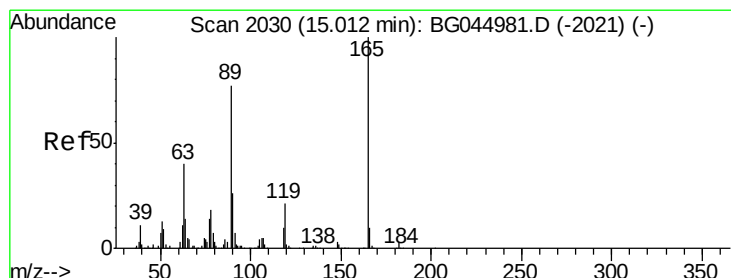
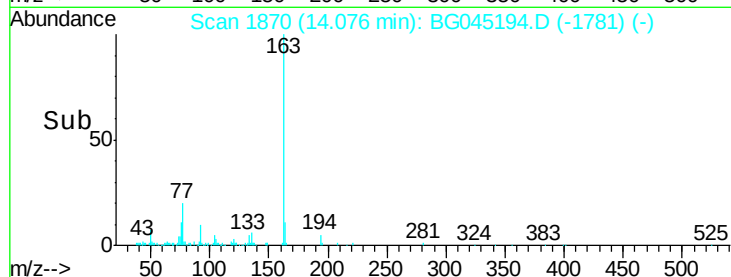
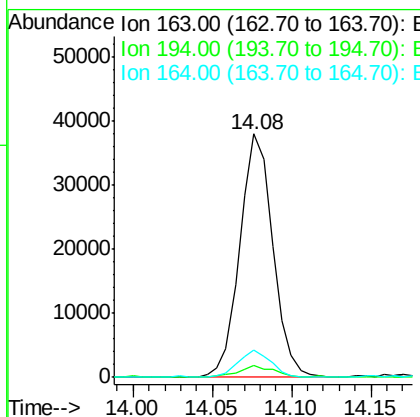
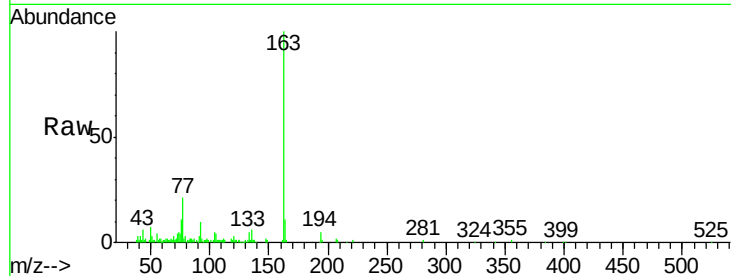




#50
Dimethylphthalate
Concen: 3.779 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

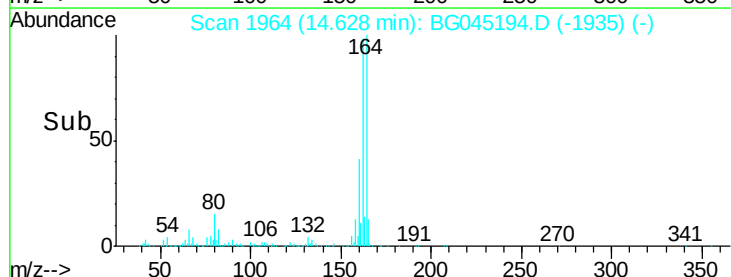
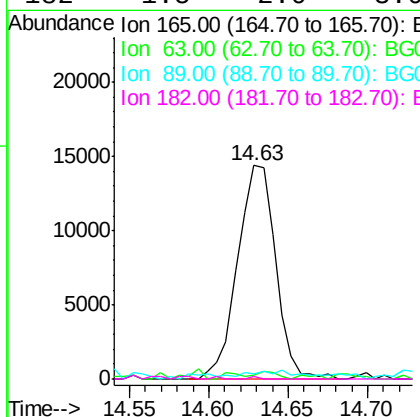
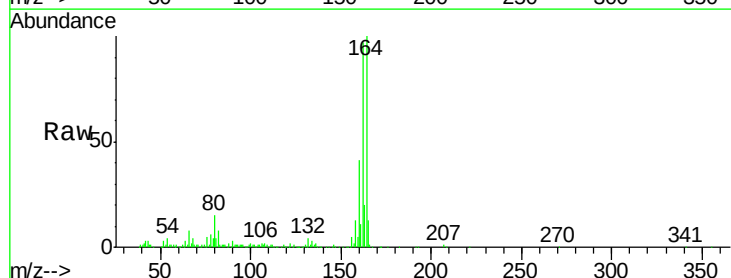
Instrument :
BNA_G
ClientSampleId :

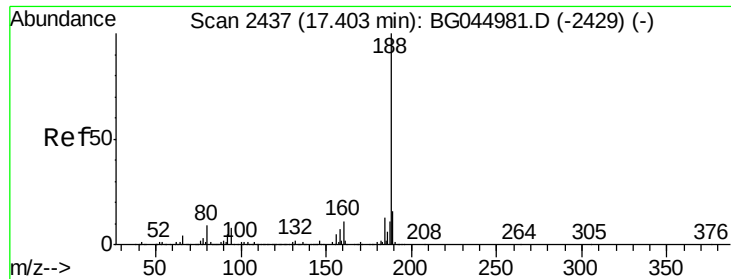
Tot Ion:163 Resp: 54941
Ion Ratio Lower Upper
163 100
194 5.1 3.5 5.3
164 11.1 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 5.053 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Tgt Ion:165 Resp: 24016
Ion Ratio Lower Upper
165 100
63 1.7 32.2 48.2#
89 2.3 61.7 92.5#
182 1.5 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Instrument :

BNA_G

ClientSampleId :

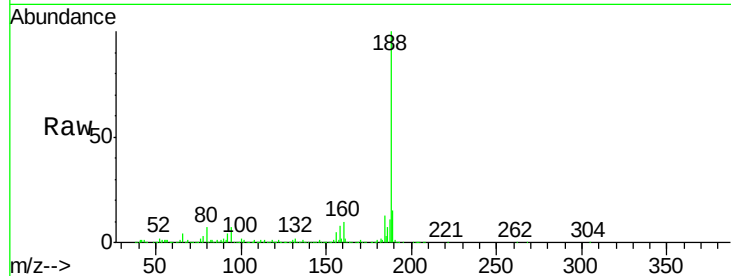
Tot Ion:188 Resp: 431977

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

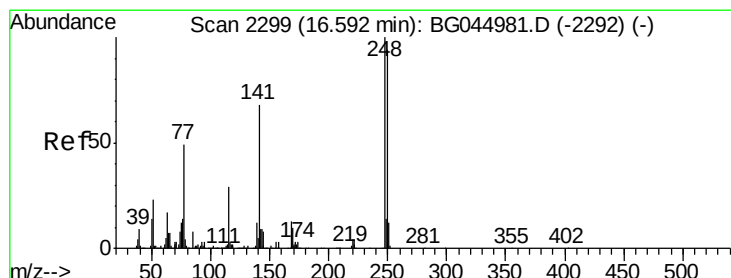
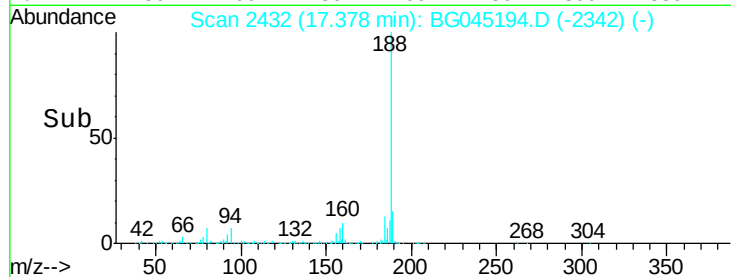
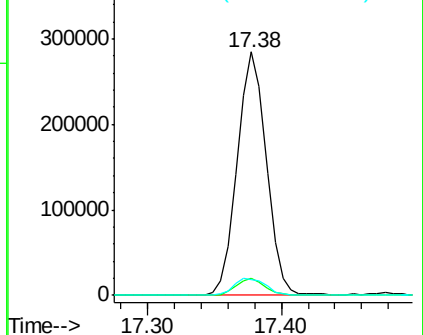
80 6.7 7.0 10.6#



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: 3.222 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

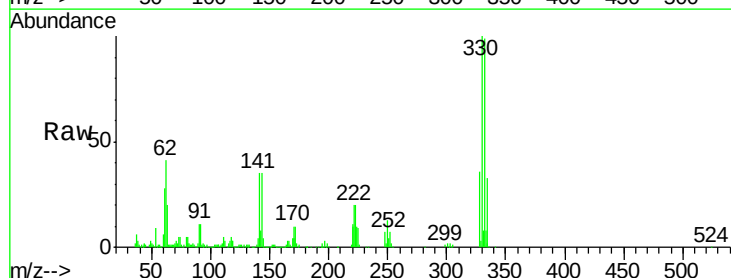
Tgt Ion:248 Resp: 17956

Ion Ratio Lower Upper

248 100

250 181.6 75.4 113.2#

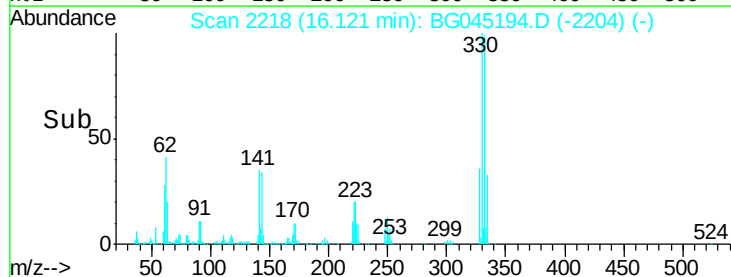
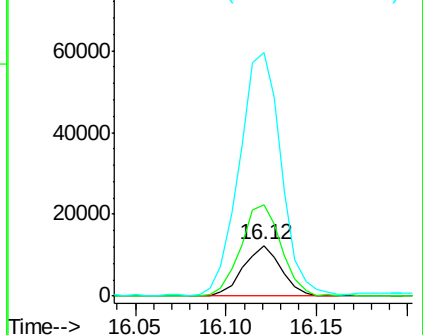
141 483.4 54.4 81.6#

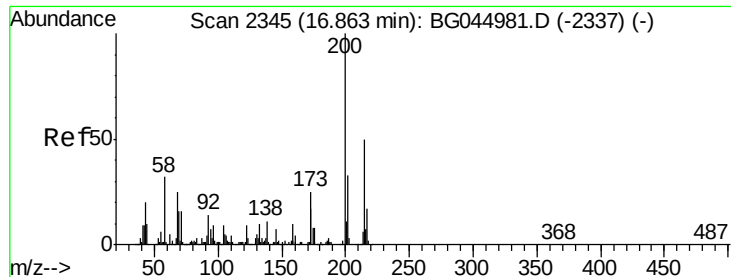


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BG045194.D

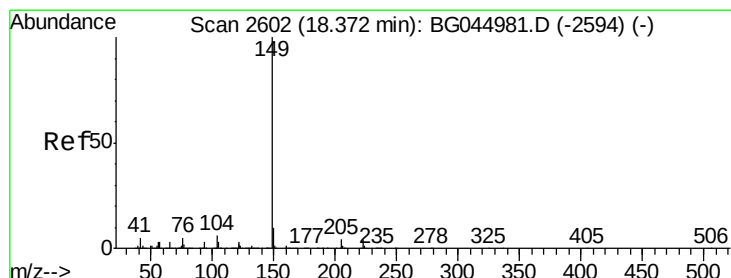
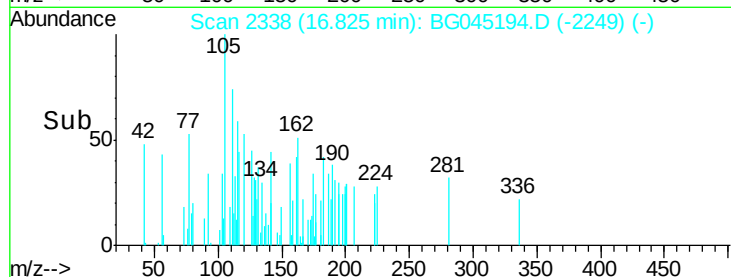
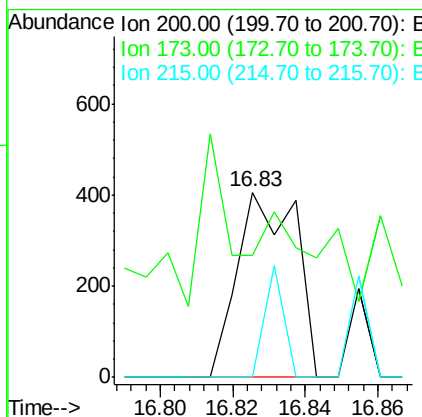
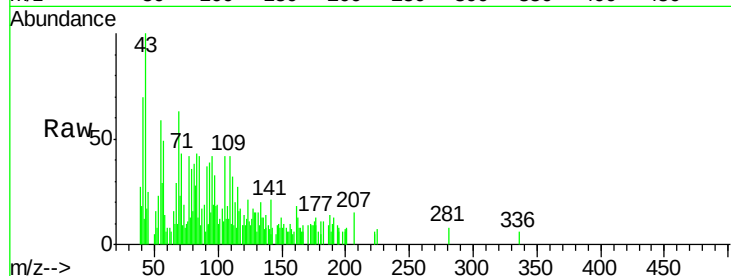
Acq: 28 Apr 2020 20:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	200	Resp:	454
Ion	Ratio	Lower	Upper
200	100		
173	66.3	4.5	44.5#
215	0.0	30.0	70.0#



#74

Di-n-butylphthalate

Concen: Below Cal

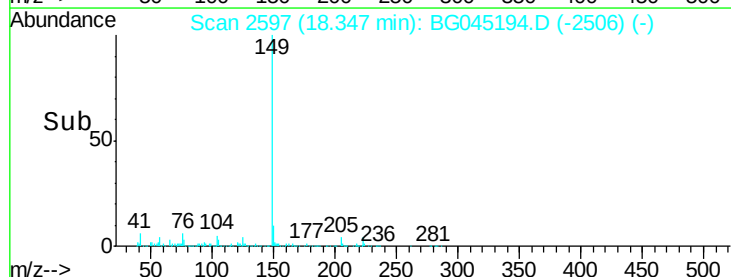
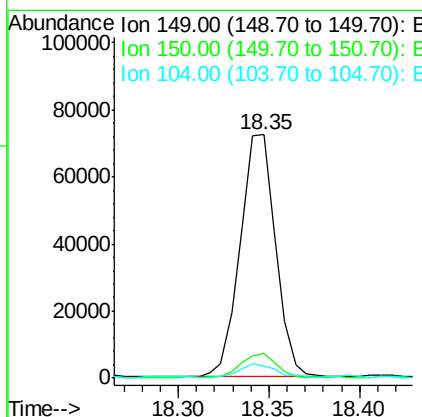
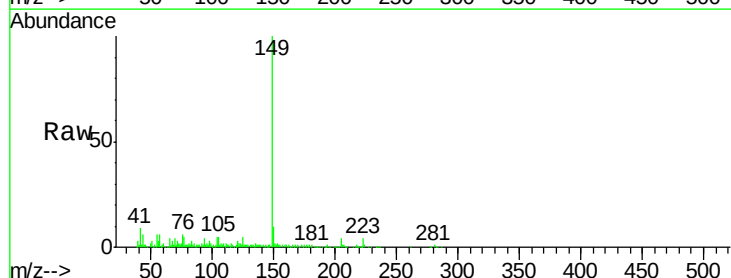
RT: 18.35 min Scan# 2597

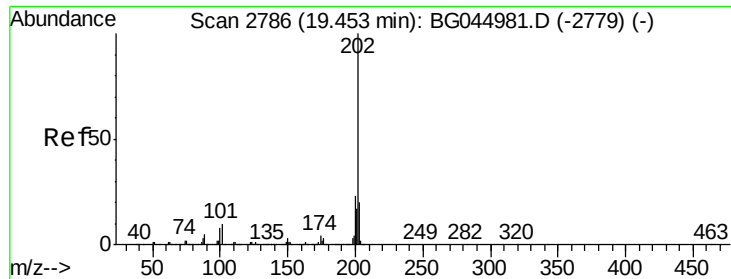
Delta R.T. 0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Tgt Ion:	149	Resp:	98167
Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.2	12.2
104	4.9	4.8	7.2





#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Instrument :

BNA_G

ClientSampleId :

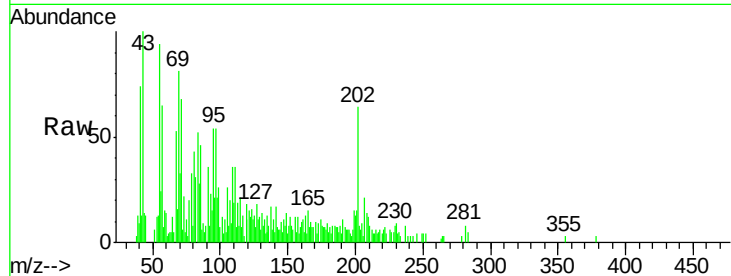
Tot Ion:202 Resp: 6040

Ion Ratio Lower Upper

202 100

101 18.6 0.0 29.6

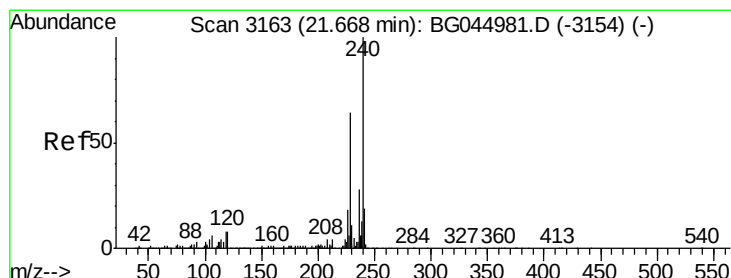
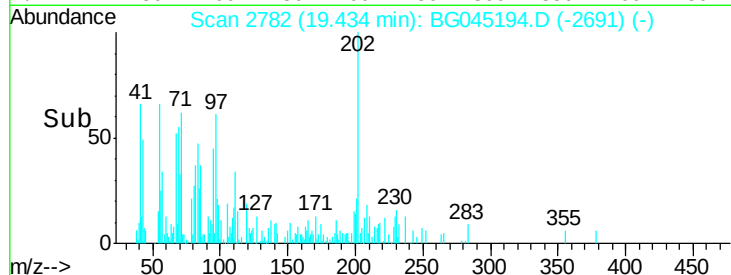
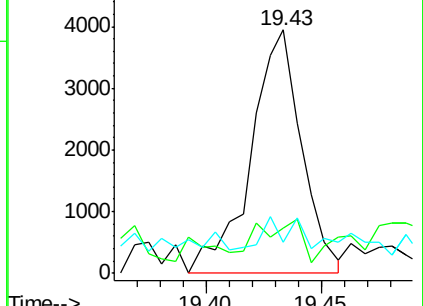
203 12.9 0.0 39.7



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: BG045194.D

Acq: 28 Apr 2020 20:53

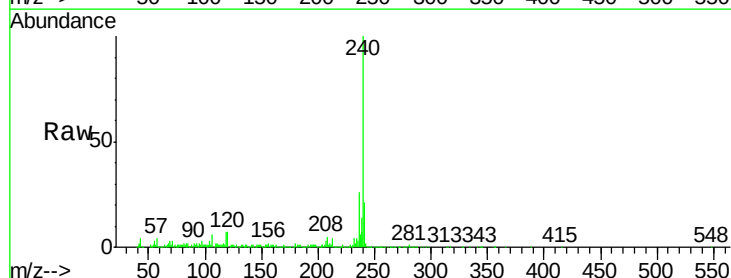
Tgt Ion:240 Resp: 401987

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

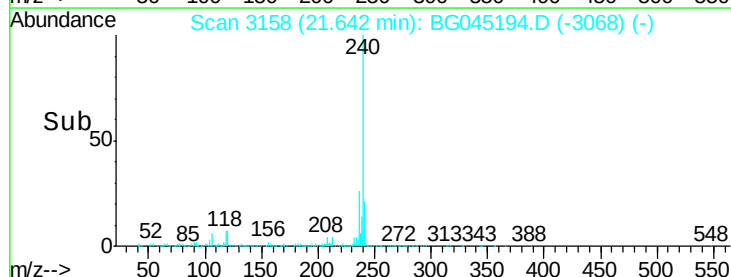
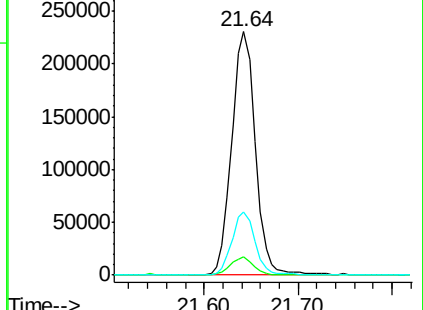
236 26.1 22.2 33.2

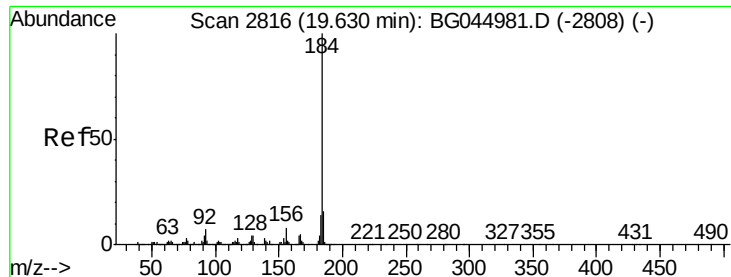


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.53 min Scan# 2799

Delta R.T. -0.07 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

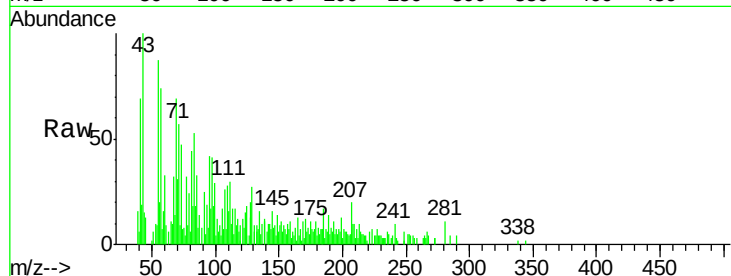
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 1191

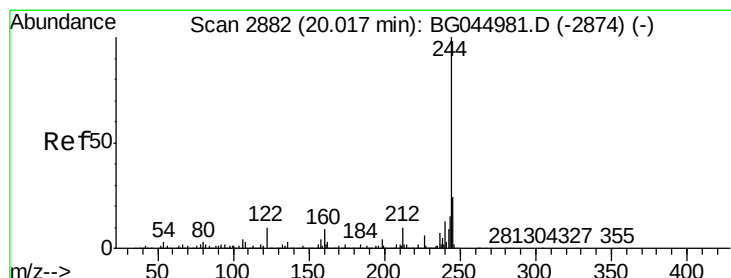
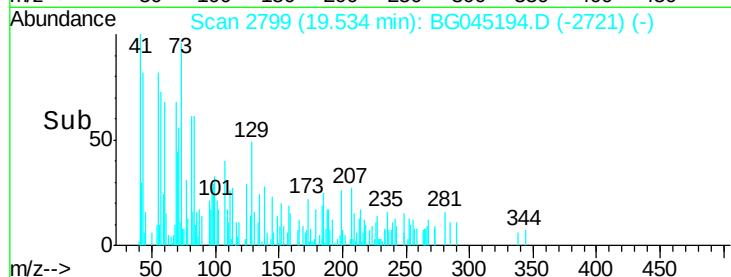
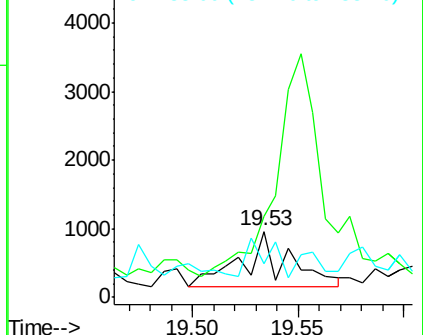
Ion	Ratio	Lower	Upper
184	100		
185	123.1	12.6	19.0#
183	51.0	11.3	16.9#



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: 97.817 ng

RT: 19.99 min Scan# 2877

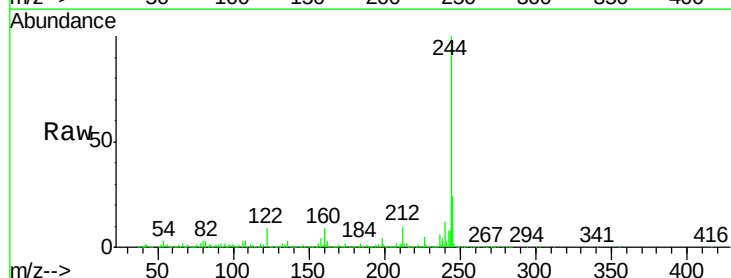
Delta R.T. -0.00 min

Lab File: BG045194.D

Acq: 28 Apr 2020 20:53

Tgt Ion:244 Resp: 1804073

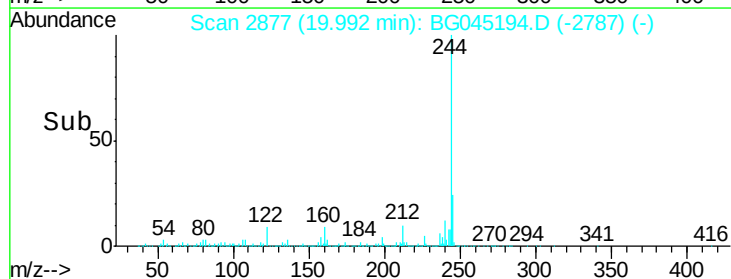
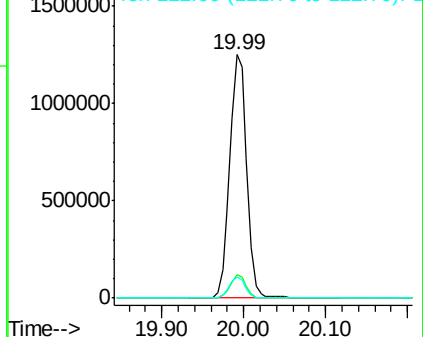
Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	8.7	7.7	11.5

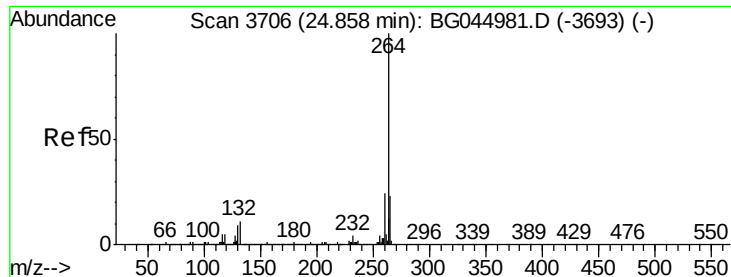


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

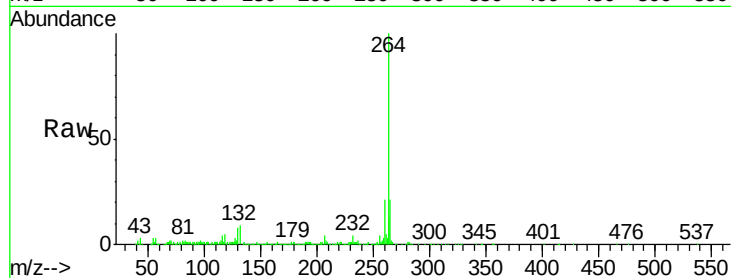




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.00 min
Lab File: BG045194.D
Acq: 28 Apr 2020 20:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.4	19.2	28.8
265	21.1	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

