

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
 Data File : BG045311.D
 Acq On : 12 May 2020 2:03
 Operator : CG/JU
 Sample : L2531-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-14A

Quant Time: May 12 03:24:24 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	71349	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	276285	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	195403	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	440157	20.00	ng	0.00
76) Chrysene-d12	21.62	240	468953	20.00	ng	-0.02
87) Perylene-d12	24.79	264	500810	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	597382	138.23	ng	0.00
7) Phenol-d6	7.14	99	777931	121.15	ng	0.00
23) Nitrobenzene-d5	9.14	82	639959	105.69	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	464595	153.90	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1420583	106.60	ng	0.00
79) Terphenyl-d14	19.99	244	2398542	111.48	ng	0.00

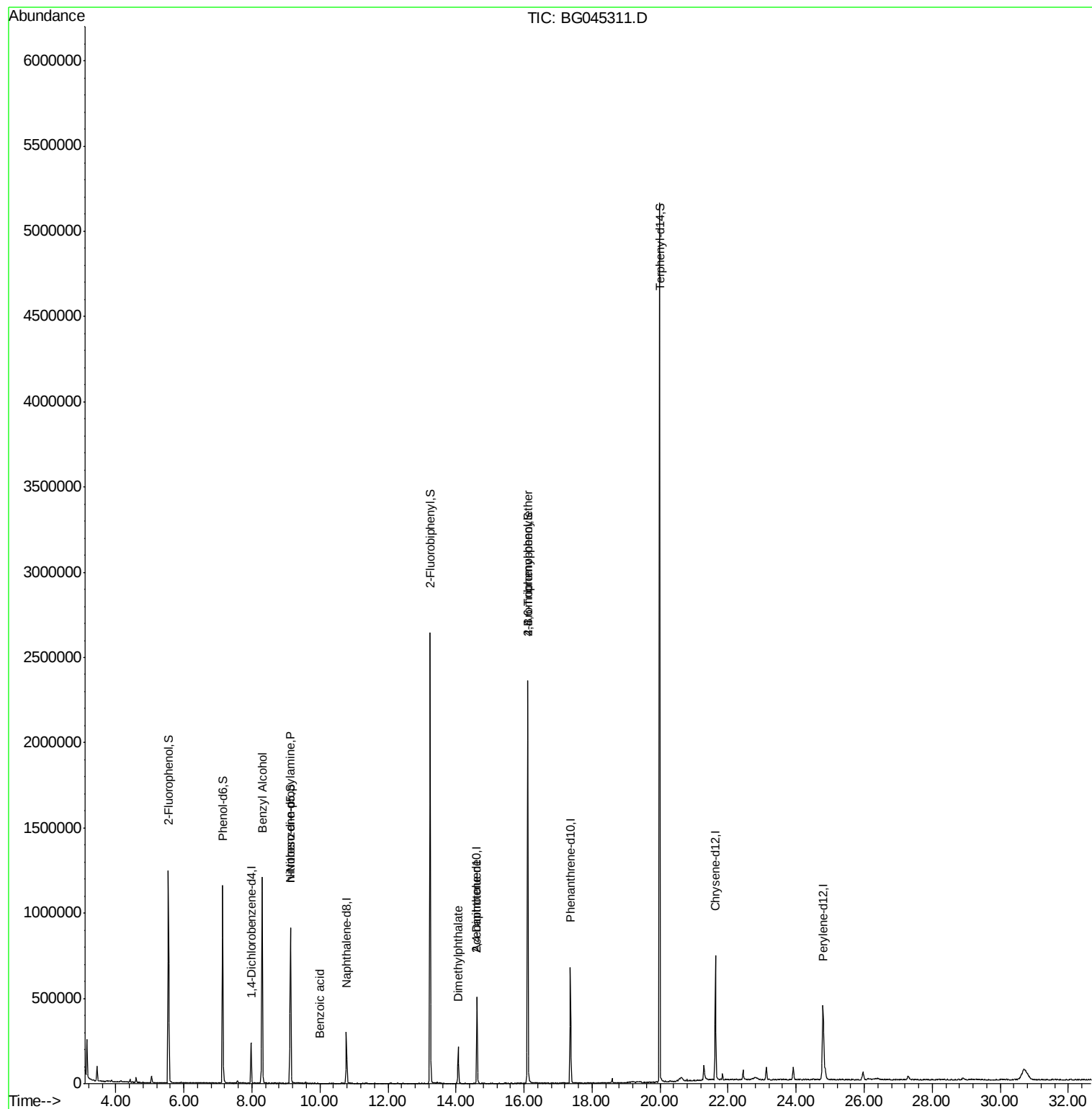
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.09	77	106	Below Cal	#	4
15) Benzyl Alcohol	8.30	79	10895	2.024 ng	#	47
19) n-Nitroso-di-n-propylamine	9.14	70	87898	19.357 ng	#	81
32) Benzoic acid	9.99	122	69	6.391 ng	#	1
50) Dimethylphthalate	14.06	163	147109	9.246 ng		98
57) 2,4-Dinitrotoluene	14.62	165	24630	4.736 ng	#	24
67) 4-Bromophenyl-phenylether	16.11	248	33325	5.869 ng	#	1
69) Atrazine	16.40	200	85	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	1476	Below Cal	#	83
75) Fluoranthene	19.42	202	230	Below Cal		62
77) Benzydine	19.99	184	47988	Below Cal	#	92

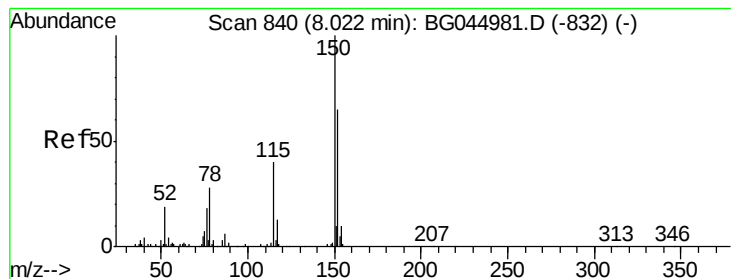
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
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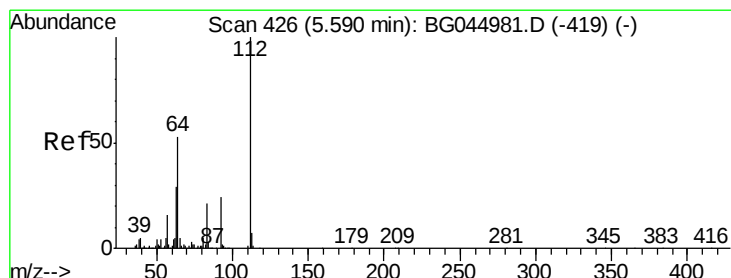
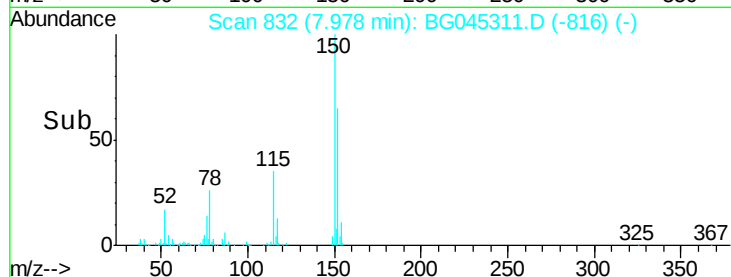
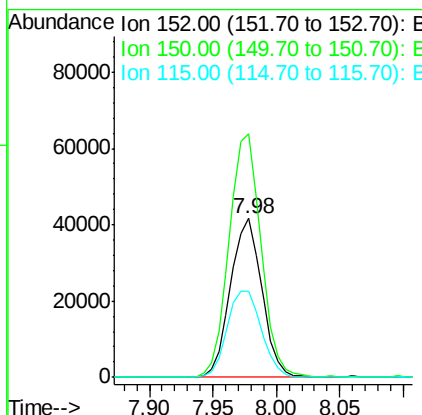
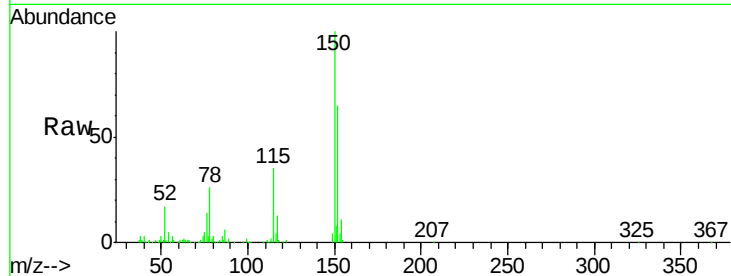


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BG045311.D
Acq: 12 May 2020 2:03

Instrument :
BNA_G
ClientSampleId :
TP-14A

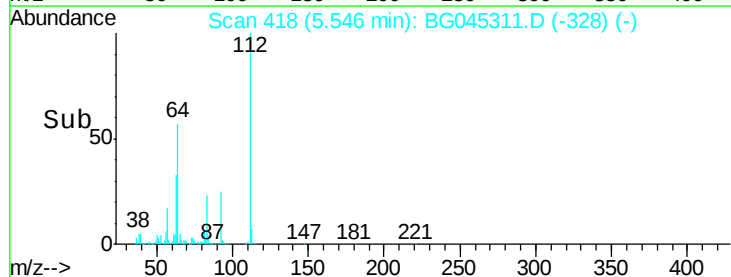
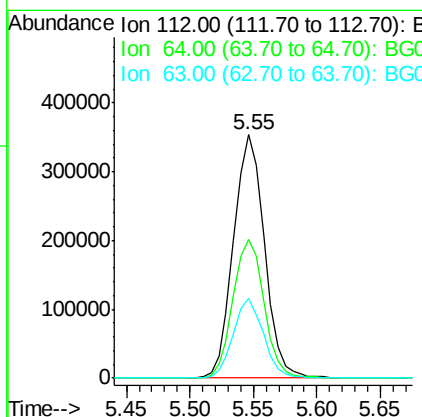
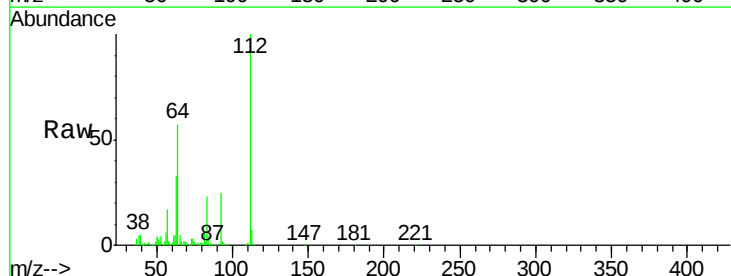
Tot Ion:152 Resp: 71349
Ion Ratio Lower Upper
152 100
150 153.1 123.6 185.4
115 54.2 49.1 73.7

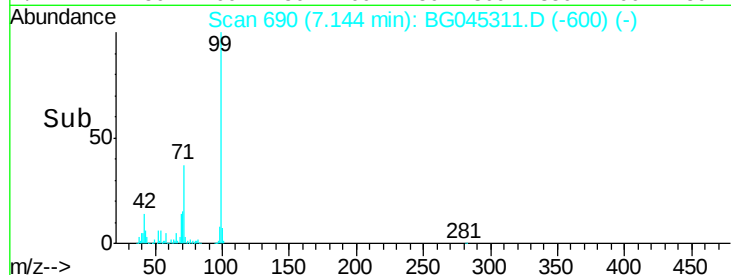
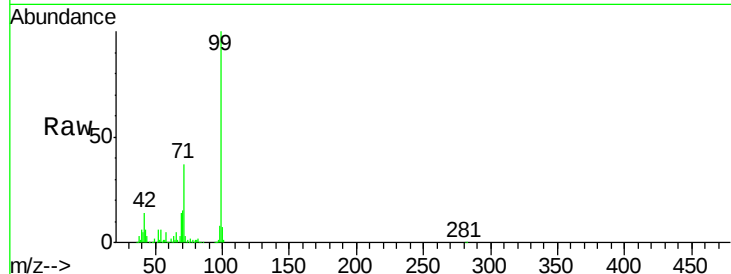
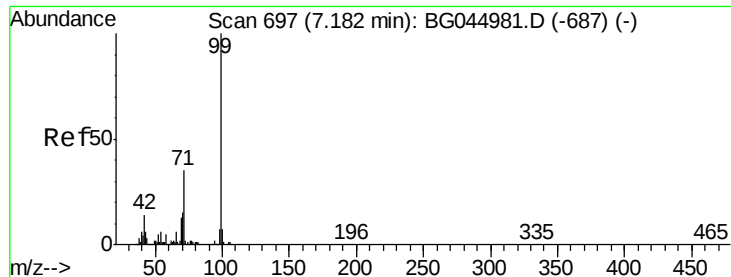


#5

2-Fluorophenol
Concen: 138.228 ng
RT: 5.55 min Scan# 418
Delta R.T. -0.00 min
Lab File: BG045311.D
Acq: 12 May 2020 2:03

Tgt Ion:112 Resp: 597382
Ion Ratio Lower Upper
112 100
64 56.9 42.4 63.6
63 33.0 23.1 34.7





#7

Phenol-d6

Concen: 121.155 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

BNA_G

ClientSampleId :

TP-14A

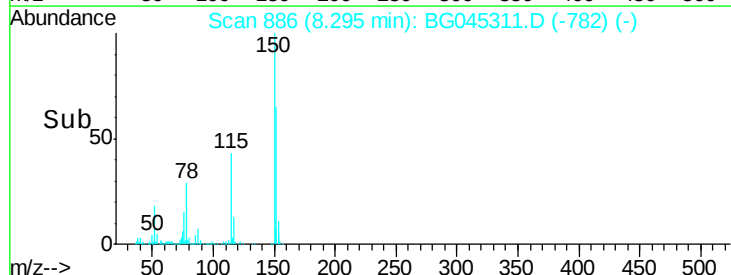
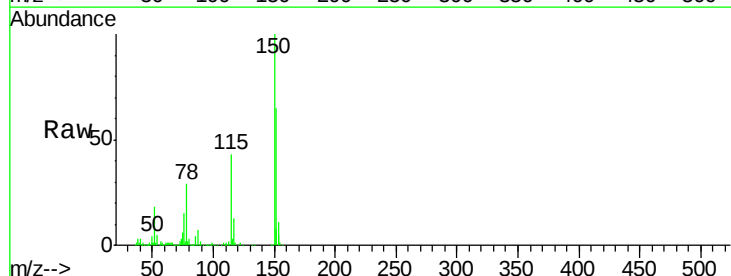
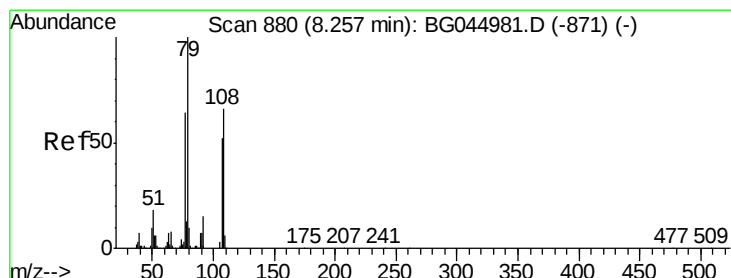
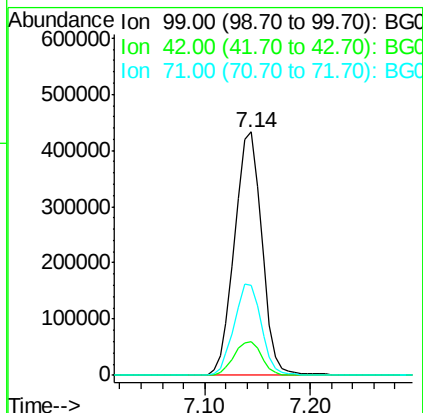
Tot Ion: 99 Resp: 777931

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 37.1 28.3 42.5



#15

Benzyl Alcohol

Concen: 2.024 ng

RT: 8.30 min Scan# 886

Delta R.T. 0.08 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

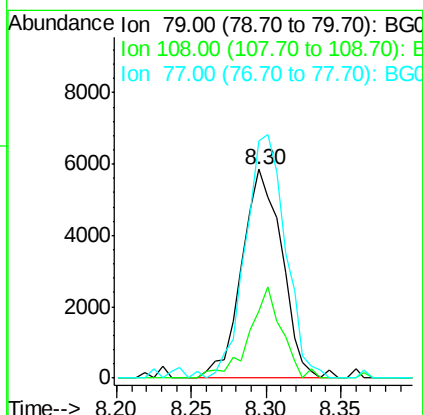
Tgt Ion: 79 Resp: 10895

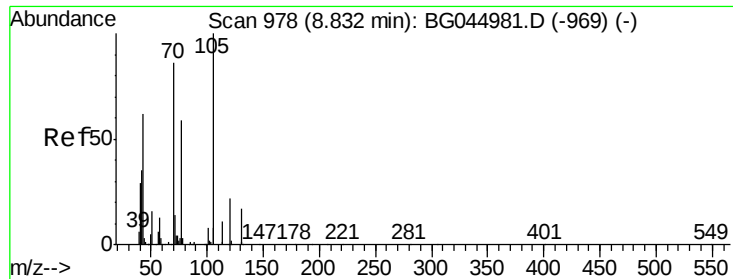
Ion Ratio Lower Upper

79 100

108 32.1 52.7 79.1#

77 113.9 51.3 76.9#





#19

n-Nitroso-di-n-propylamine

Concen: 19.357 ng

RT: 9.14 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

BNA_G

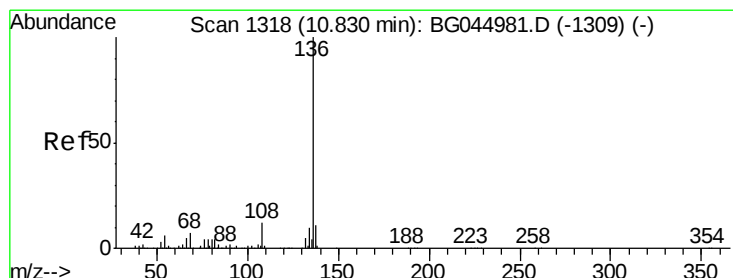
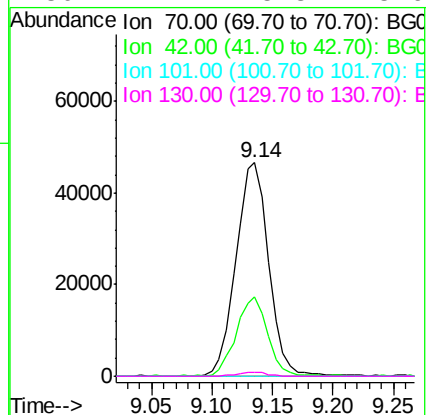
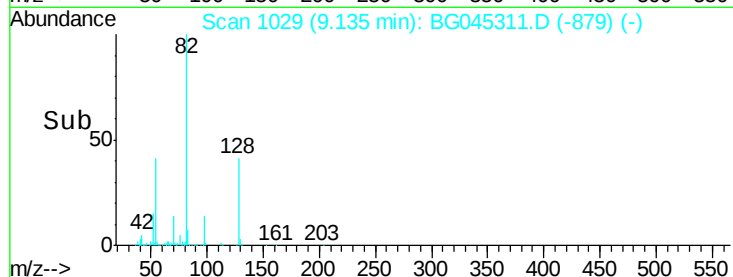
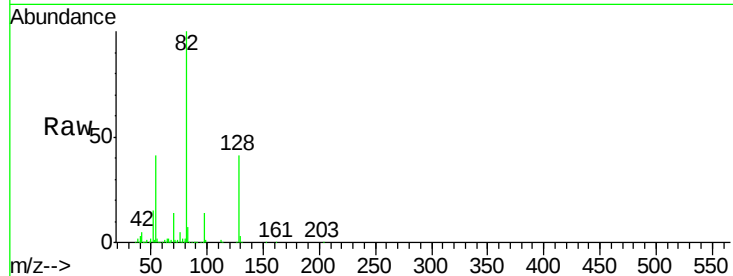
ClientSampleId :

TP-14A

Tot Ion: 70 Resp: 87898

Ion Ratio Lower Upper

70	100		
42	37.1	33.3	49.9
101	0.0	7.8	11.8#
130	2.1	15.8	23.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1309

Delta R.T. -0.01 min

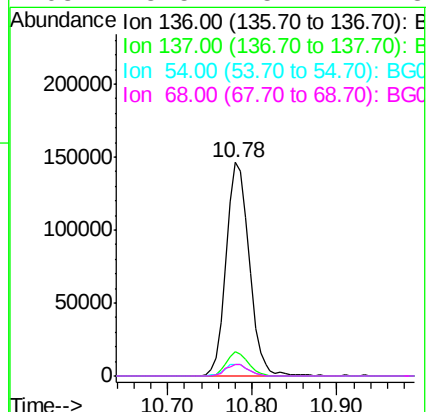
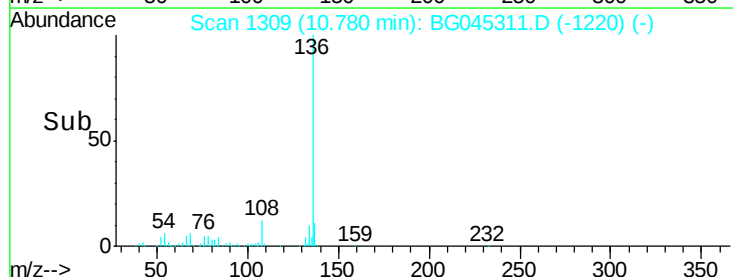
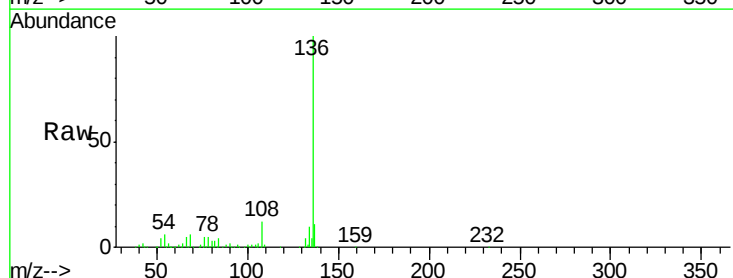
Lab File: BG045311.D

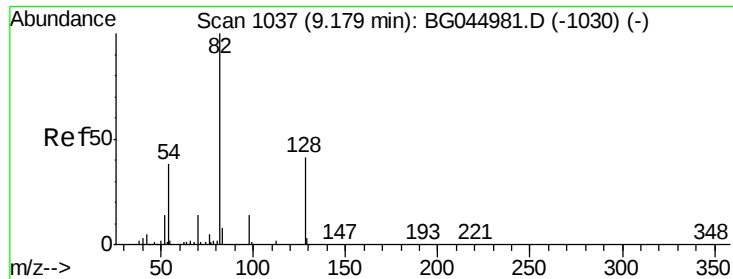
Acq: 12 May 2020 2:03

Tgt Ion: 136 Resp: 276285

Ion Ratio Lower Upper

136	100		
137	11.4	8.6	13.0
54	5.7	4.8	7.2
68	5.5	5.2	7.8

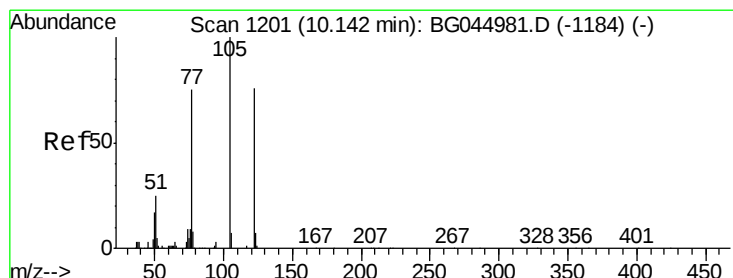
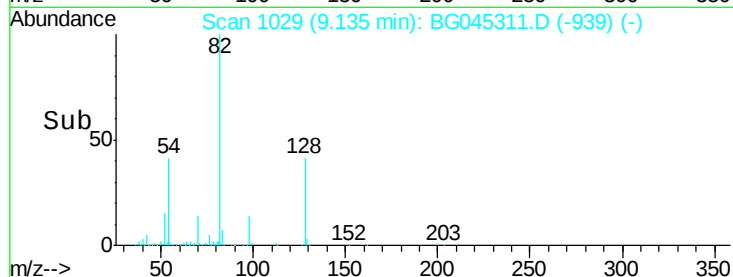
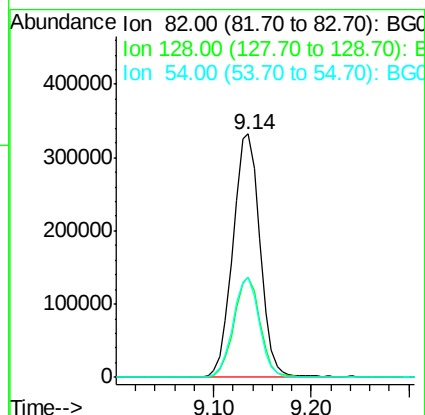
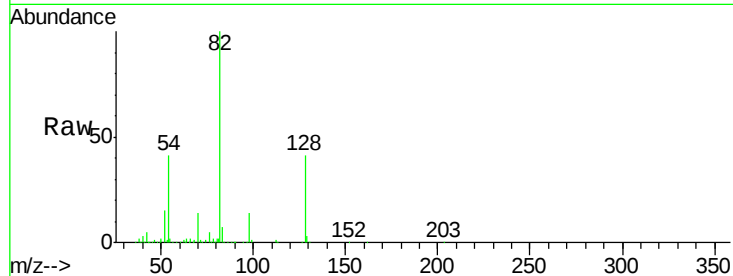




#23
Nitrobenzene-d5
Concen: 105.690 ng
RT: 9.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045311.D
Acq: 12 May 2020 2:03

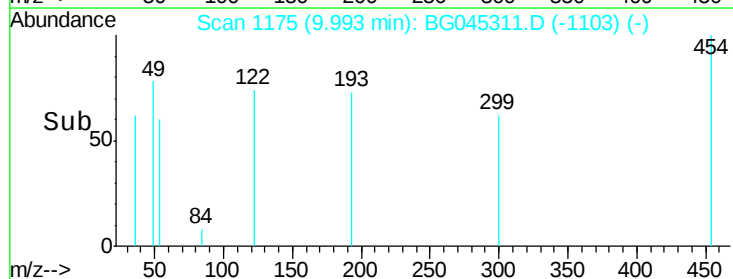
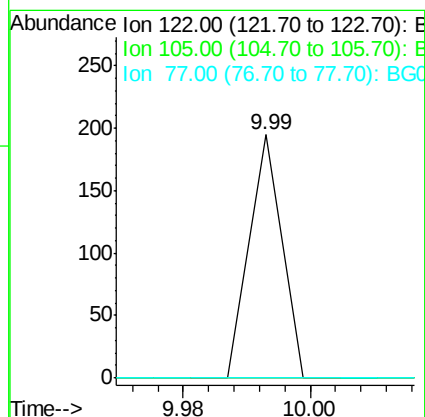
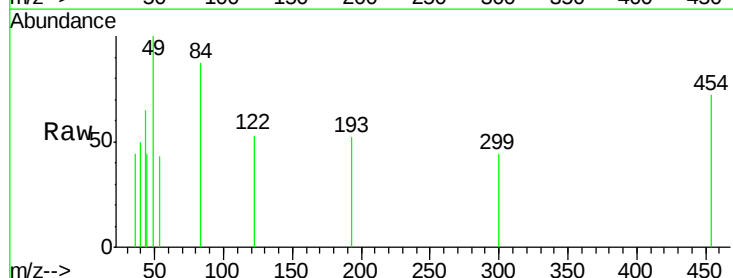
Instrument :
BNA_G
ClientSampleId :
TP-14A

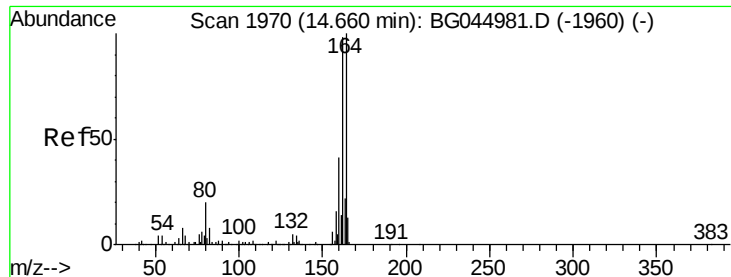
Tot Ion	82	Resp	639959
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.0	49.4
54	41.0	30.4	45.6



#32
Benzoic acid
Concen: 6.391 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.11 min
Lab File: BG045311.D
Acq: 12 May 2020 2:03

Tgt Ion	122	Resp	69
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# 1962

Delta R.T. -0.01 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

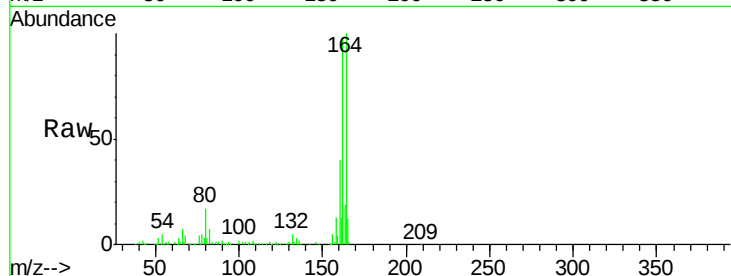
BNA_G

ClientSampleId :

TP-14A

Tot Ion:164 Resp: 195403

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	39.6	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

14.62

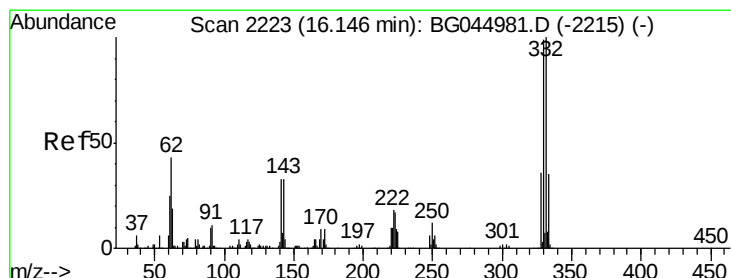
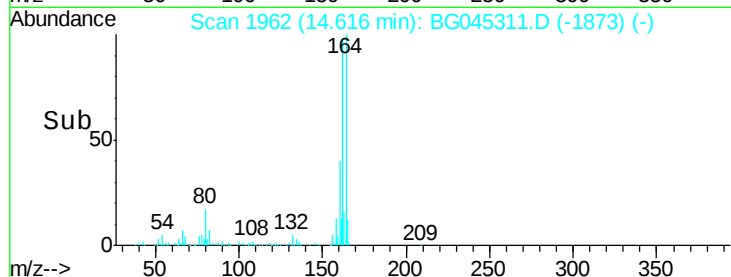
100000

50000

0

14.60 14.70

Time-->



#42

2,4,6-Tribromophenol

Concen: 153.905 ng

RT: 16.11 min Scan# 2216

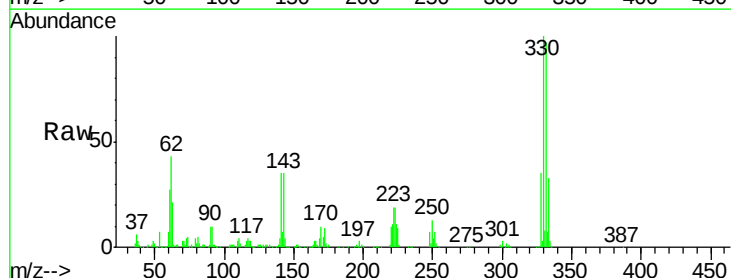
Delta R.T. -0.01 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Tgt Ion:330 Resp: 464595

Ion	Ratio	Lower	Upper
330	100		
332	98.8	79.1	118.7
141	35.3	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

16.11

400000

300000

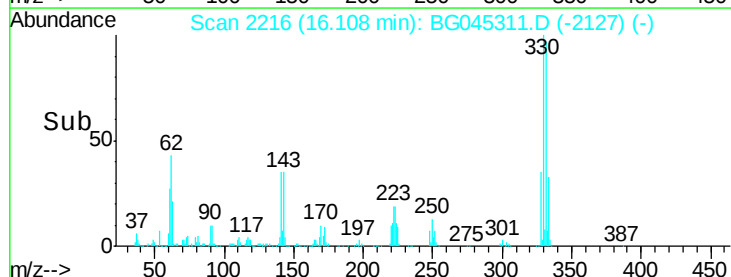
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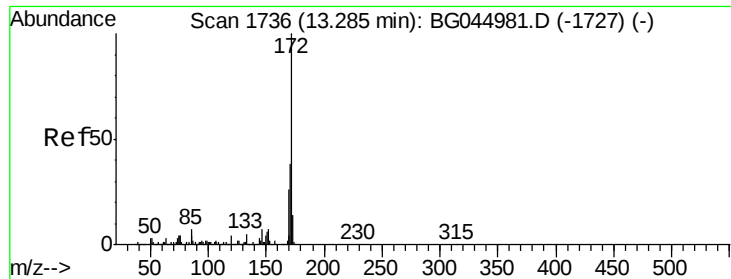
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0

16.00 16.10 16.20

Time-->





#45

2-Fluorobiphenyl

Concen: 106.602 ng

RT: 13.24 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

BNA_G

ClientSampleId :

TP-14A

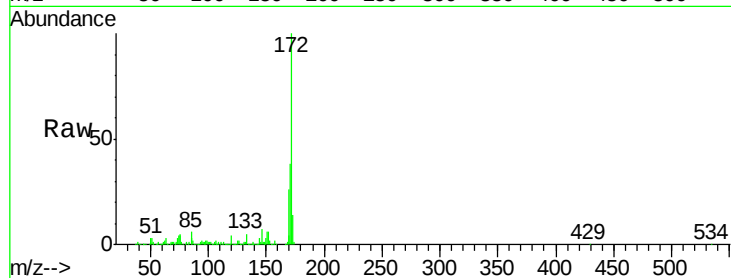
Tot Ion:172 Resp: 1420583

Ion Ratio Lower Upper

172 100

171 38.0 30.6 46.0

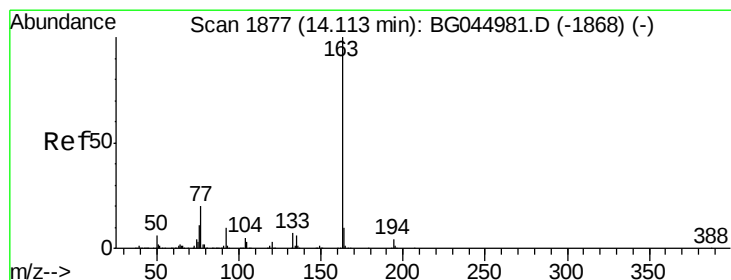
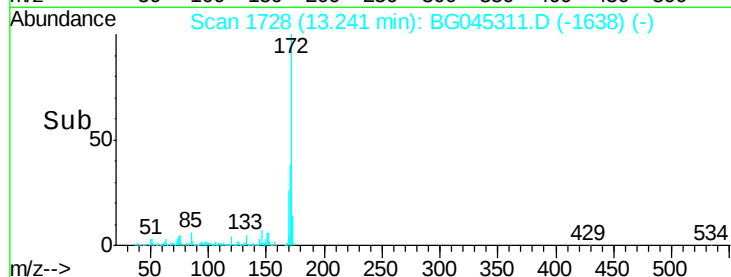
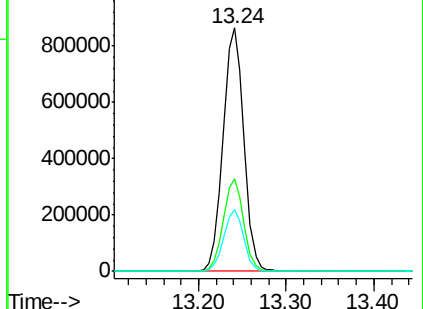
170 25.6 20.5 30.7



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: 9.246 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.02 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

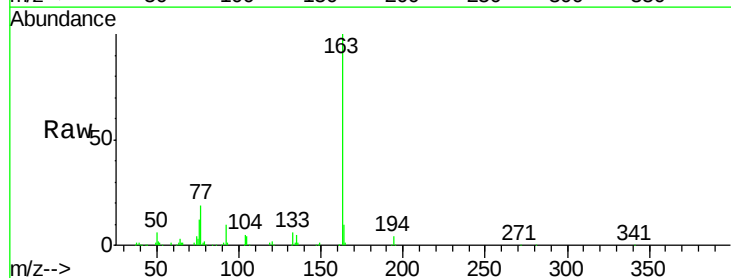
Tgt Ion:163 Resp: 147109

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

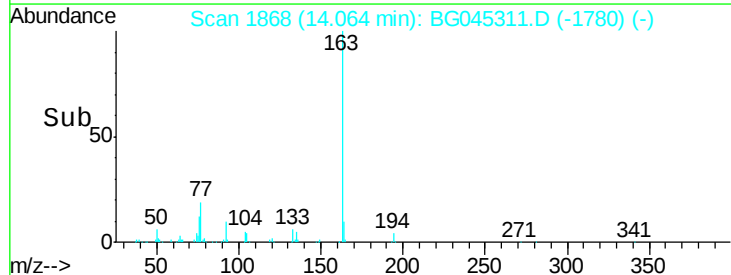
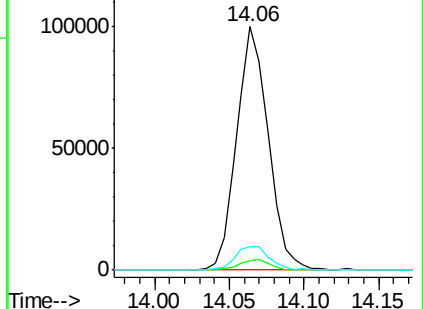
164 9.7 8.2 12.4

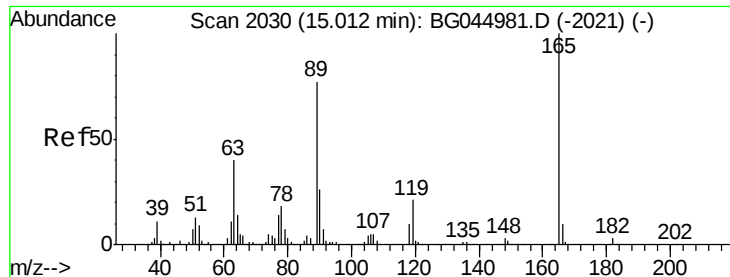


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

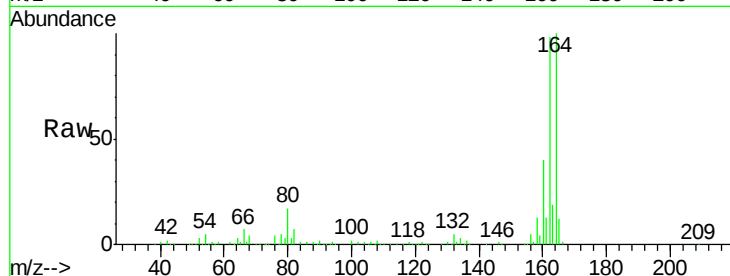




#57
 2,4-Dinitrotoluene
 Concen: 4.736 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.36 min
 Lab File: BG045311.D
 Acq: 12 May 2020 2:03

Instrument :
 BNA_G
 ClientSampleId :
 TP-14A

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	32.2	48.2#
89	2.3	61.7	92.5#
182	0.0	2.0	3.0#

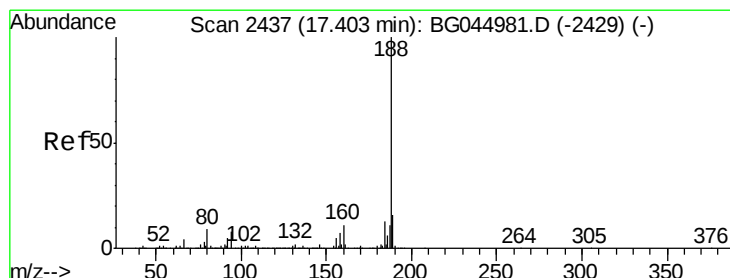
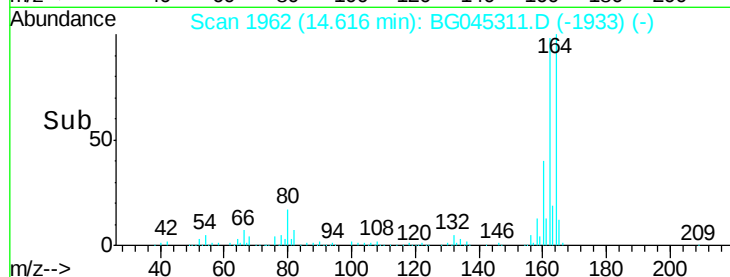
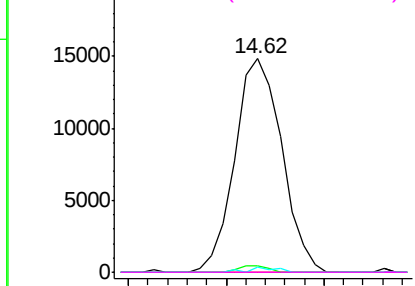


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

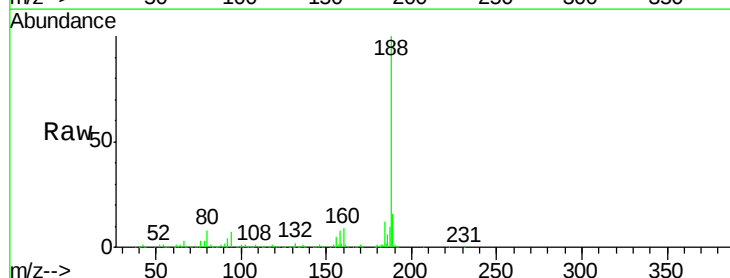
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG045311.D
 Acq: 12 May 2020 2:03

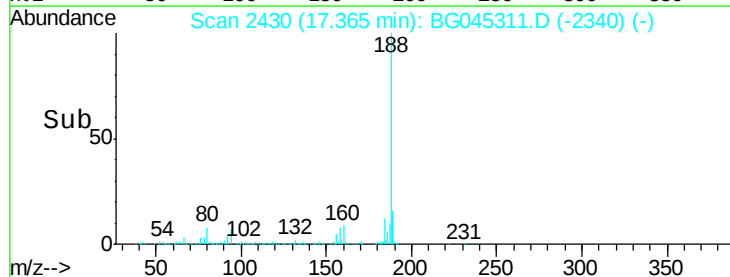
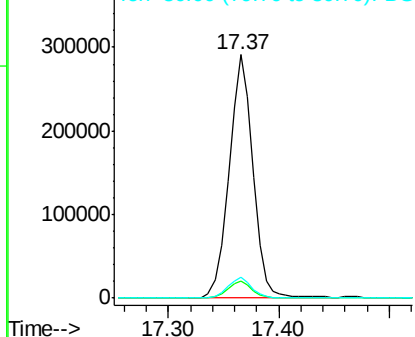
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.4
80	8.4	7.0	10.6

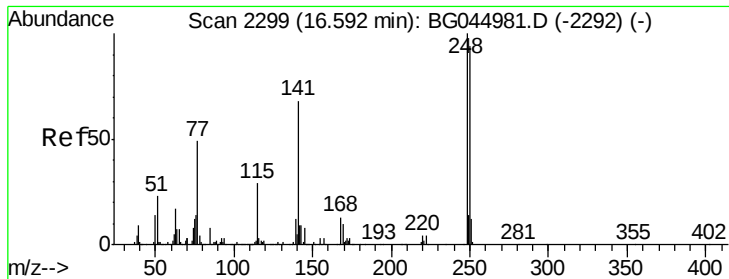


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

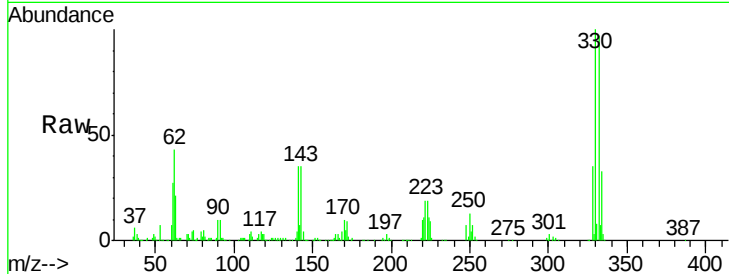




#67
 4-Bromophenyl-phenylether
 Concen: 5.869 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.45 min
 Lab File: BG045311.D
 Acq: 12 May 2020 2:03

Instrument :
 BNA_G
 ClientSampled :
 TP-14A

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.0	75.4	113.2#
141	483.5	54.4	81.6#

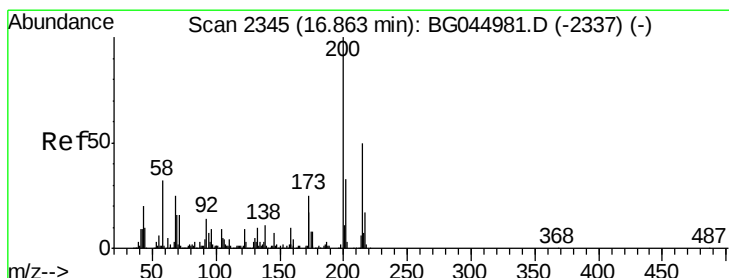
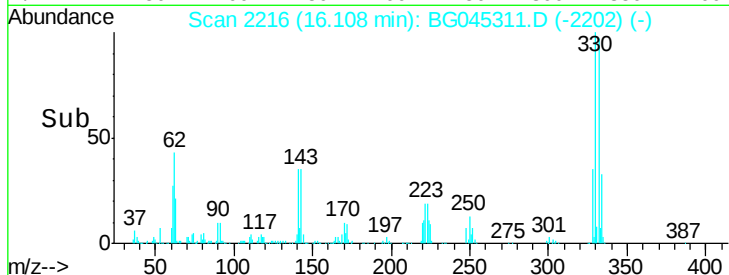
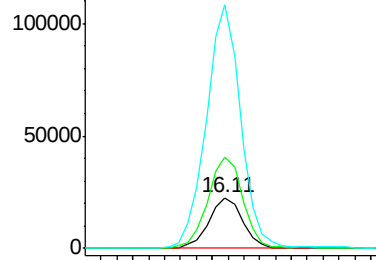


Abundance

Ion 248.00 (247.70 to 248.70): E

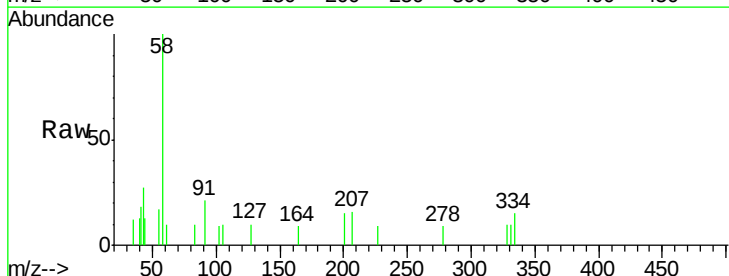
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#69
 Atrazine
 Concen: Below Cal
 RT: 16.40 min Scan# 2265
 Delta R.T. -0.43 min
 Lab File: BG045311.D
 Acq: 12 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#

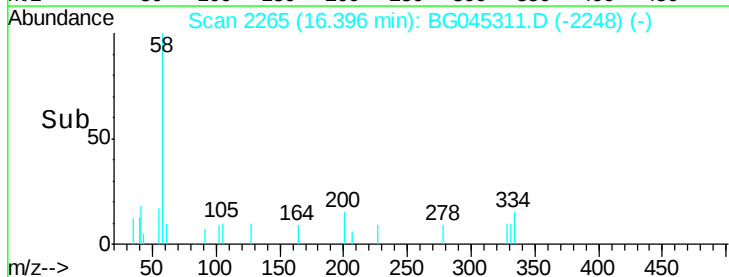
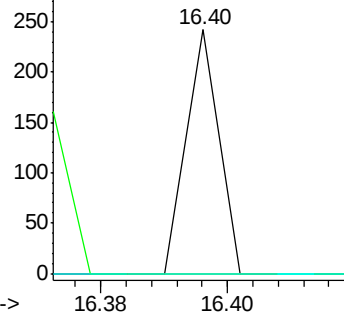


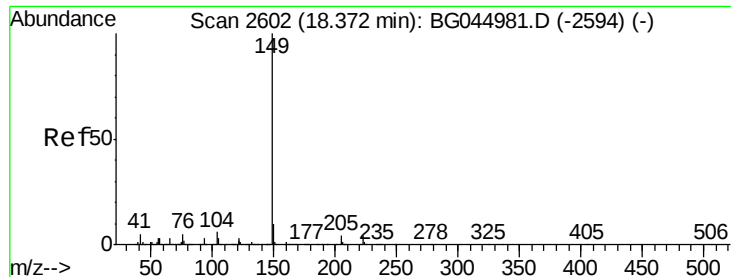
Abundance

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





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2595

Delta R.T. -0.00 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

BNA_G

ClientSampleId :

TP-14A

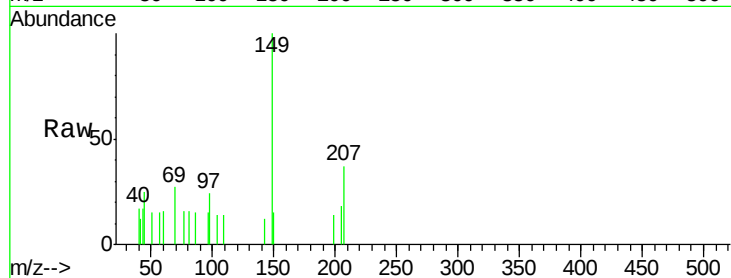
Tot Ion:149 Resp: 1476

Ion Ratio Lower Upper

149 100

150 15.1 8.2 12.2#

104 14.0 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

1500

1000

500

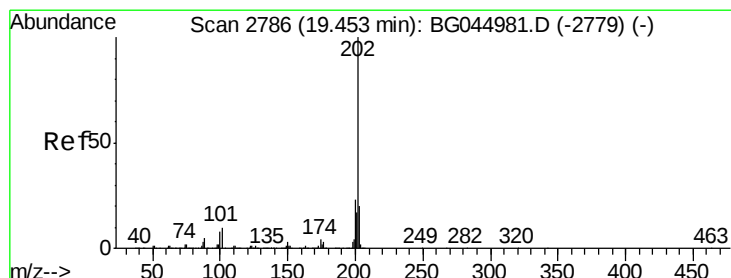
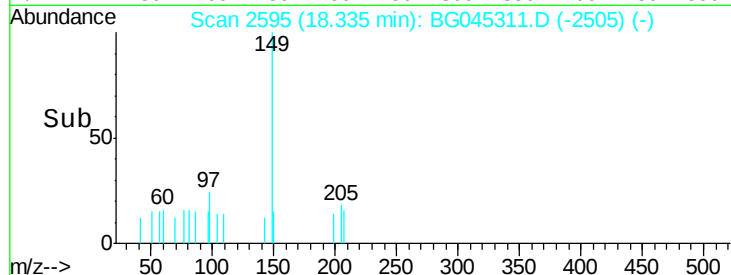
0

18.30

18.33

18.35

Time-->



#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

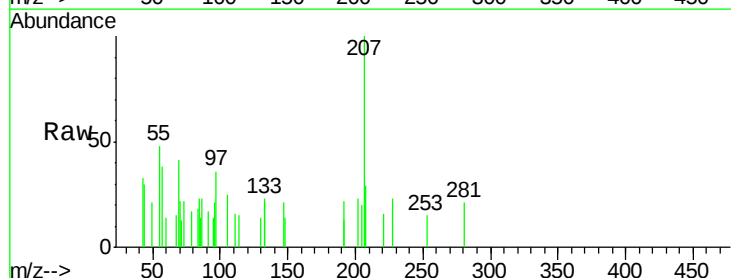
Tgt Ion:202 Resp: 230

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

300

200

100

0

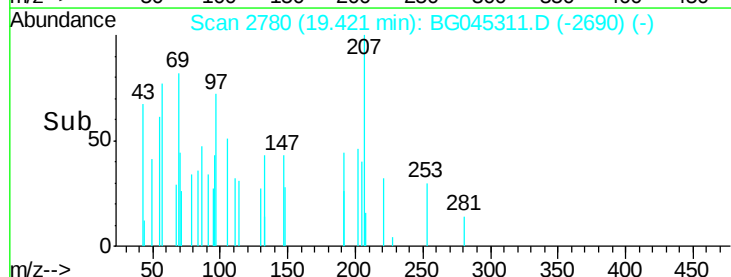
19.38

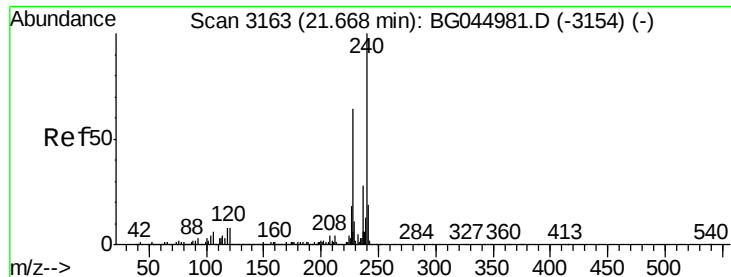
19.40

19.42

19.44

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.02 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

BNA_G

ClientSampleId :

TP-14A

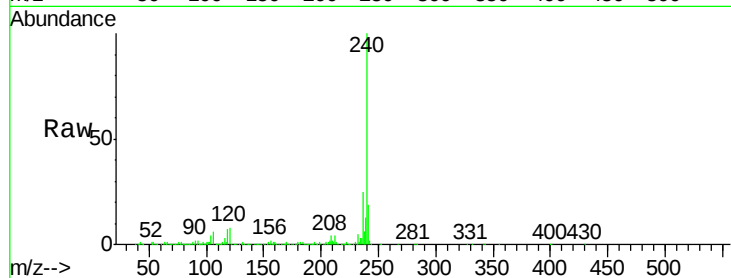
Tot Ion:240 Resp: 468953

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

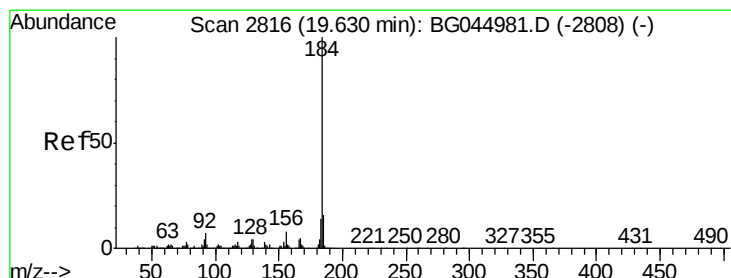
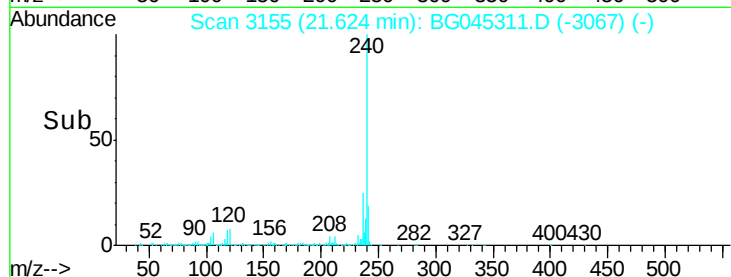
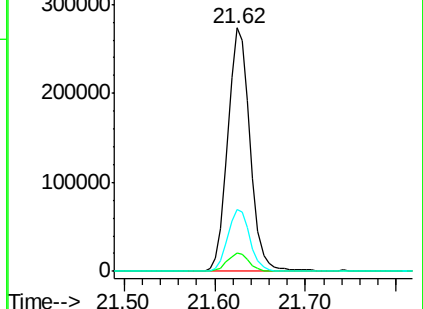
236 25.3 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2876

Delta R.T. 0.38 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

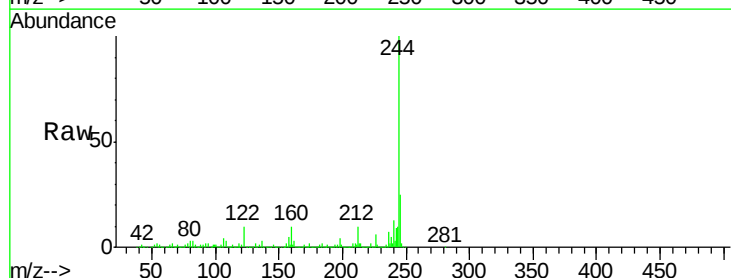
Tgt Ion:184 Resp: 47988

Ion Ratio Lower Upper

184 100

185 17.5 12.6 19.0

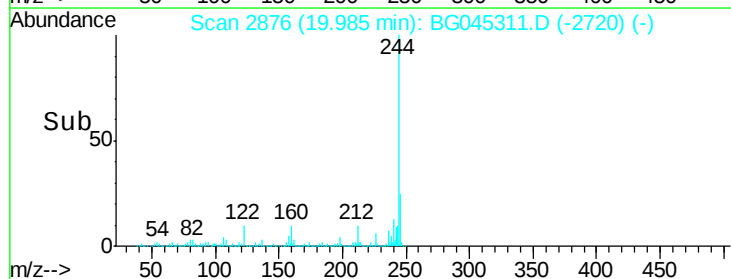
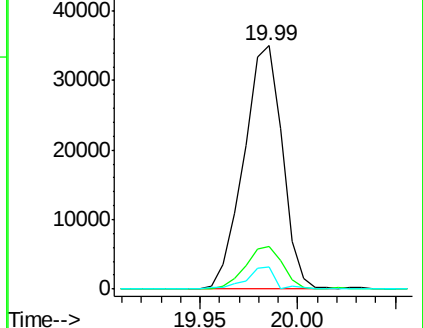
183 9.0 11.3 16.9#

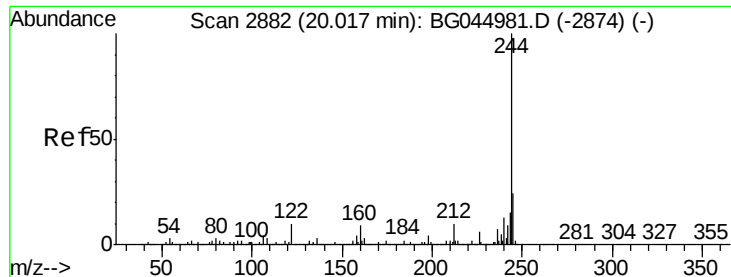


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 111.478 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

Instrument :

BNA_G

ClientSampleId :

TP-14A

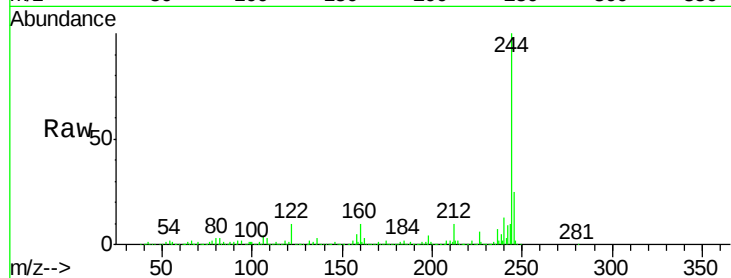
Tot Ion:244 Resp: 2398542

Ion Ratio Lower Upper

244 100

212 10.5 7.9 11.9

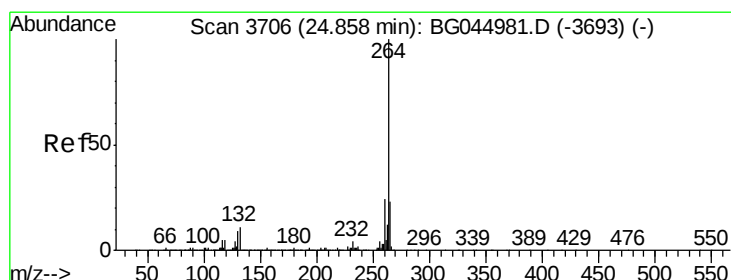
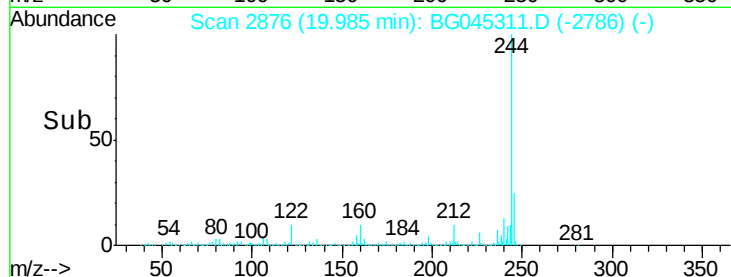
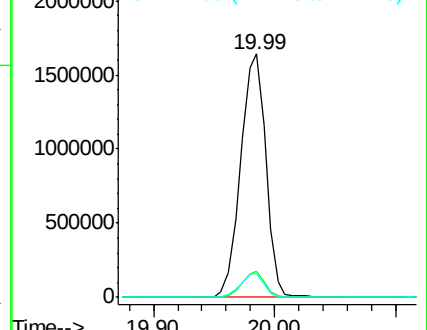
122 9.8 7.7 11.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3694

Delta R.T. -0.02 min

Lab File: BG045311.D

Acq: 12 May 2020 2:03

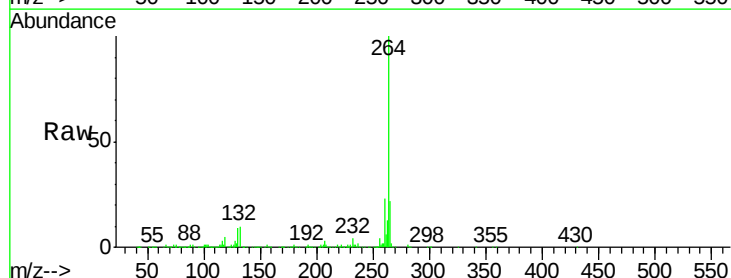
Tgt Ion:264 Resp: 500810

Ion Ratio Lower Upper

264 100

260 22.8 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

