

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051120\
 Data File : BG045323.D
 Acq On : 12 May 2020 10:00
 Operator : CG/JU
 Sample : L2506-01 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-050720

Quant Time: May 12 10:40:48 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

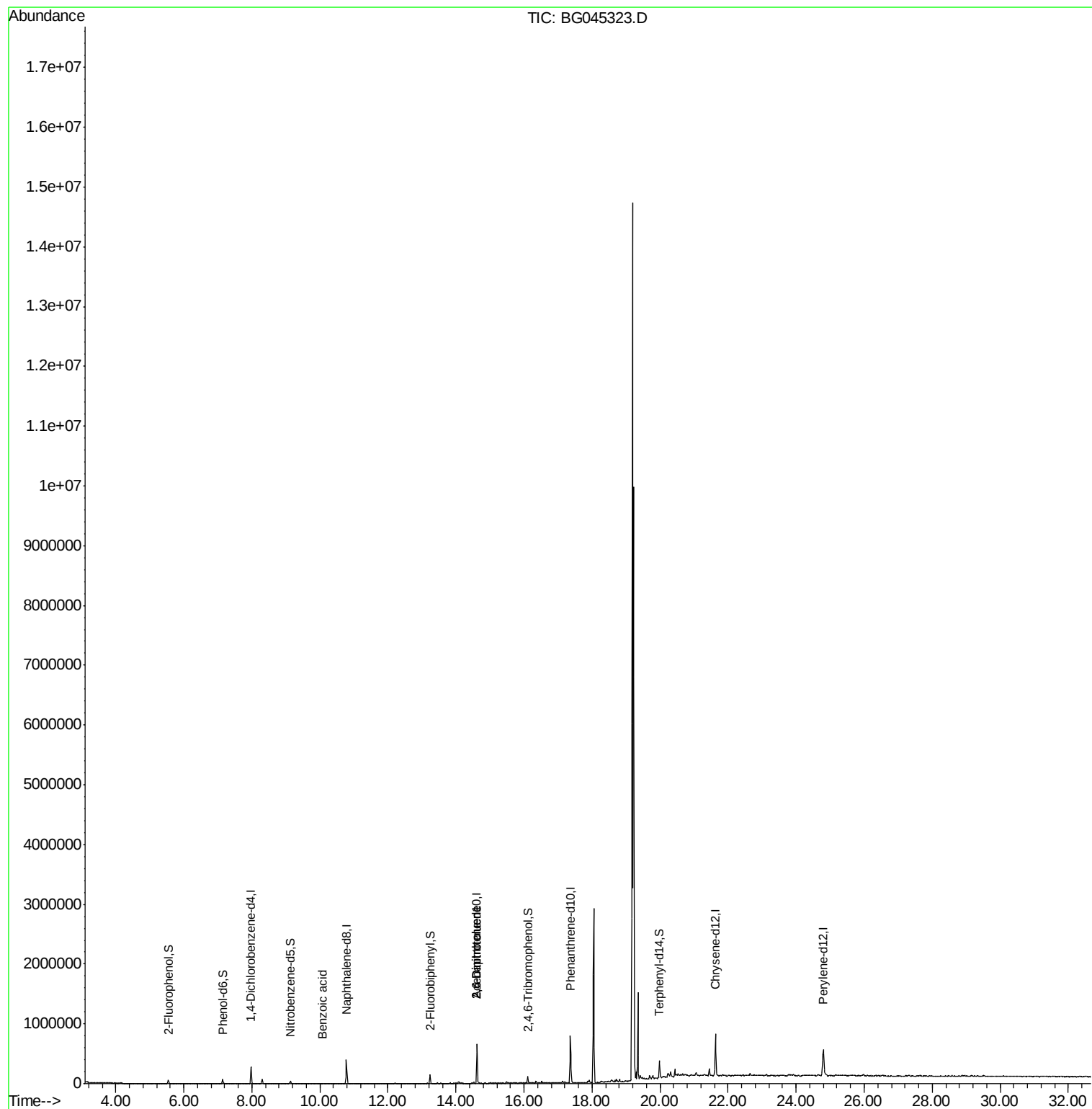
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	85561	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	369190	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	253299	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	525420	20.00	ng	0.00
76) Chrysene-d12	21.63	240	454325	20.00	ng	0.00
87) Perylene-d12	24.80	264	508043	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	33364	6.44	ng	0.00
7) Phenol-d6	7.14	99	51274	6.66	ng	0.00
23) Nitrobenzene-d5	9.14	82	34504	4.26	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	23317	5.96	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	89809	5.20	ng	0.00
79) Terphenyl-d14	19.98	244	128563	6.17	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	80	Below Cal	#	4
32) Benzoic acid	10.08	122	116	6.396 ng	#	1
51) 2,6-Dinitrotoluene	14.62	165	34280	7.431 ng	#	26
57) 2,4-Dinitrotoluene	14.62	165	34280	5.085 ng	#	23
69) Atrazine	16.85	200	59	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	741	Below Cal	#	76
75) Fluoranthene	19.42	202	18973	Below Cal	#	96
77) Benzidine	19.59	184	259	Below Cal	#	1

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

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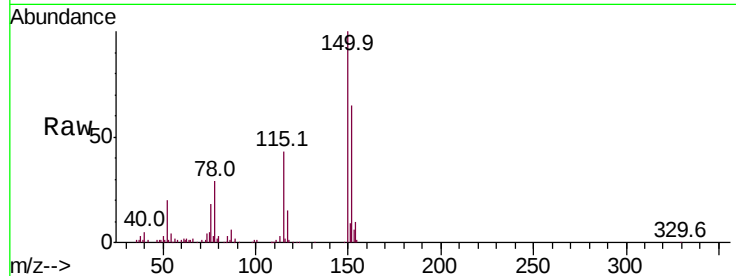


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045323.D
Acq: 12 May 2020 10:00

Instrument :
BNA_G
ClientSampleId :
TR-04-050720

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.6	185.4
115	65.7	49.1	73.7

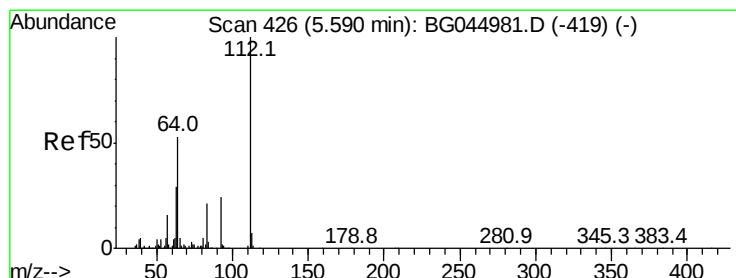
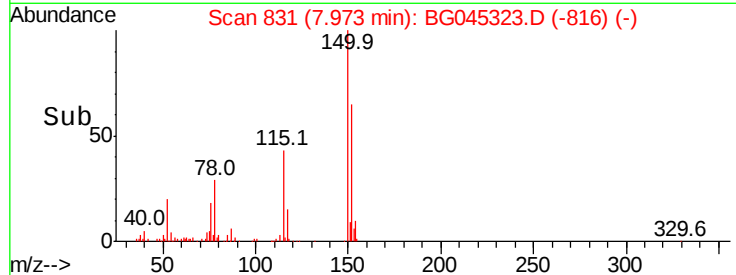
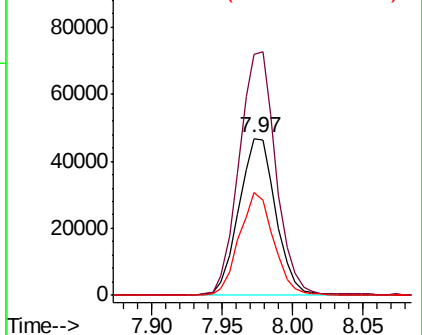


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

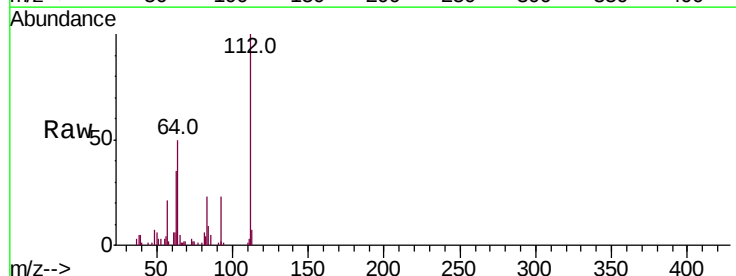
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.438 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.01 min
Lab File: BG045323.D
Acq: 12 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.6	42.4	63.6
63	35.2	23.1	34.7

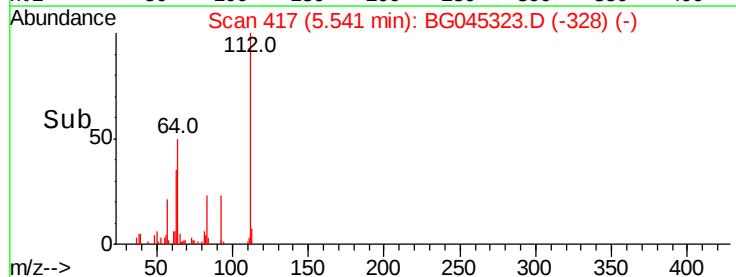
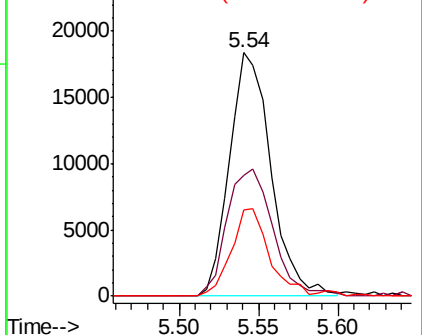


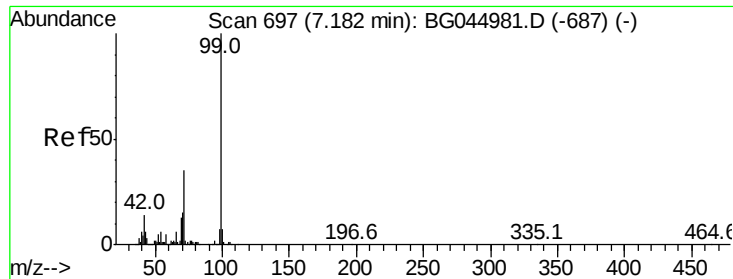
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 6.659 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Instrument :

BNA_G

ClientSampleId :

TR-04-050720

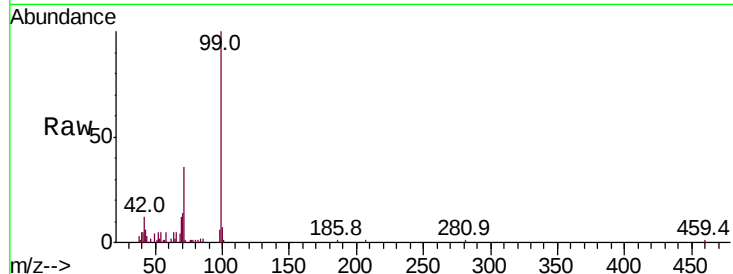
Tot Ion: 99 Resp: 51274

Ion Ratio Lower Upper

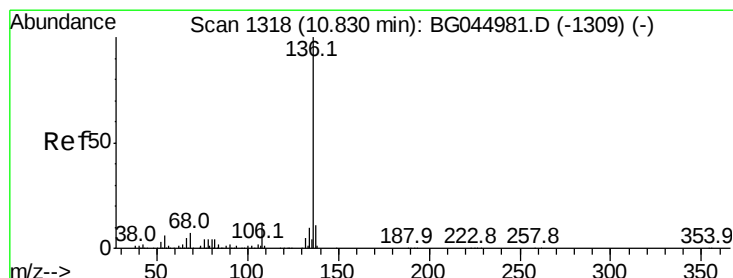
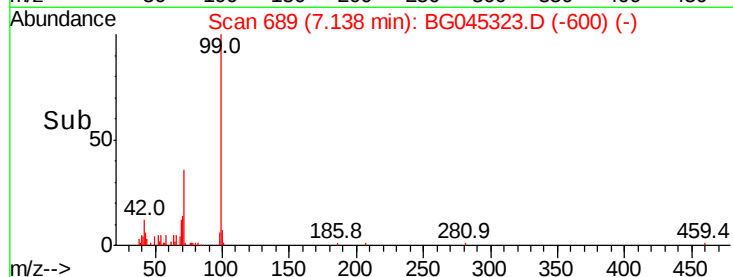
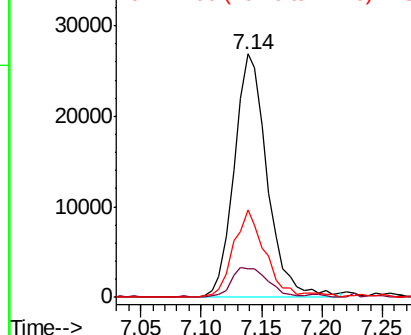
99 100

42 11.9 11.3 16.9

71 36.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Tgt Ion: 136 Resp: 369190

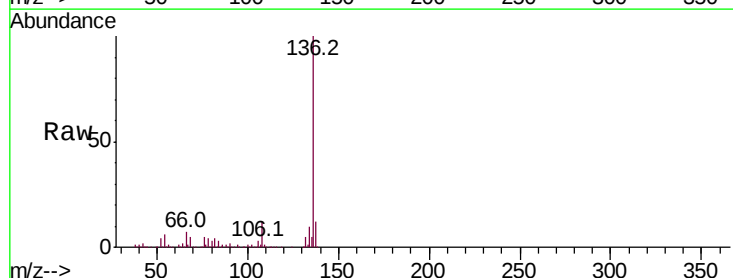
Ion Ratio Lower Upper

136 100

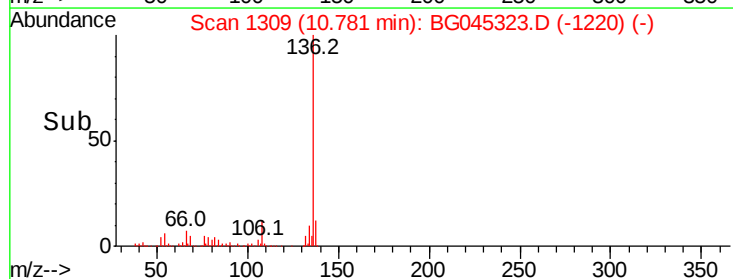
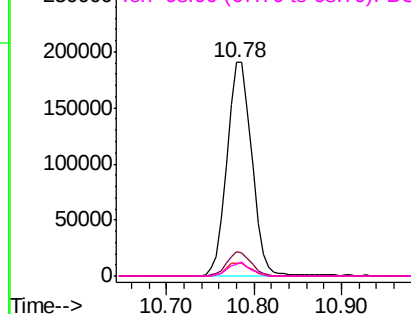
137 11.6 8.6 13.0

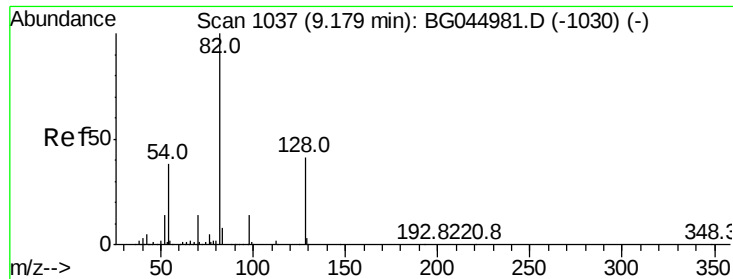
54 5.8 4.8 7.2

68 5.4 5.2 7.8



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





#23

Nitrobenzene-d5

Concen: 4.264 ng

RT: 9.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Instrument :

BNA_G

ClientSampleId :

TR-04-050720

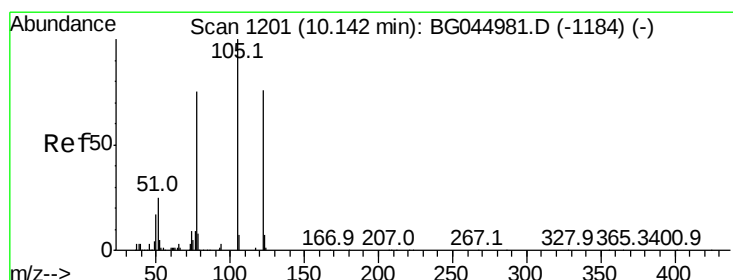
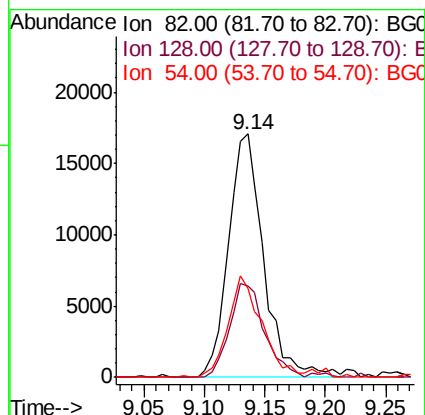
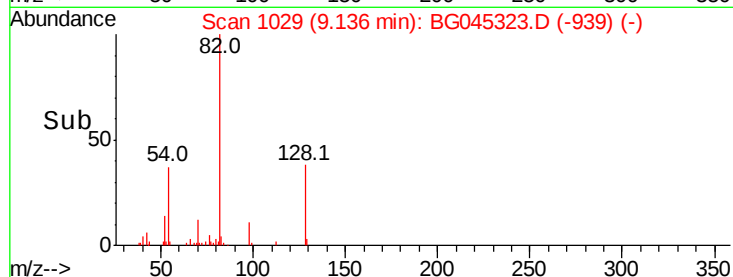
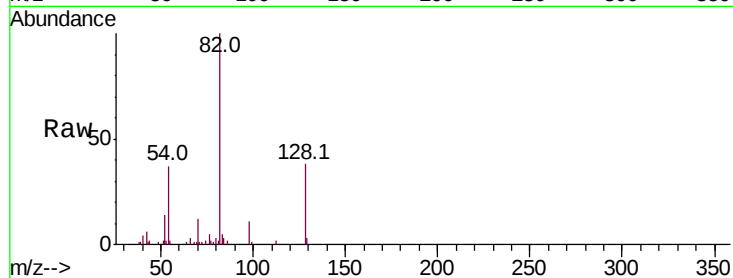
Tot Ion: 82 Resp: 34504

Ion Ratio Lower Upper

82 100

128 37.7 33.0 49.4

54 36.6 30.4 45.6



#32

Benzoic acid

Concen: 6.396 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

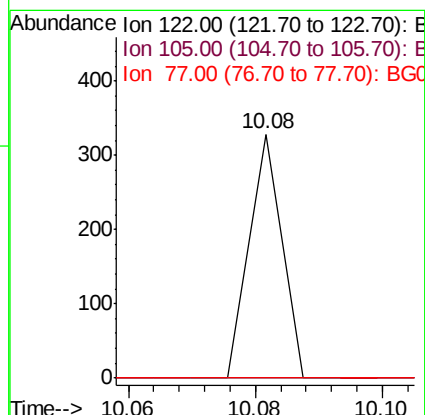
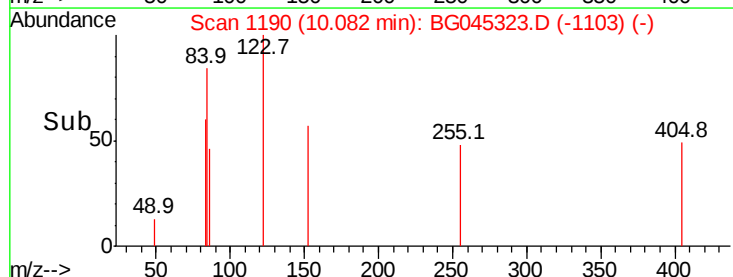
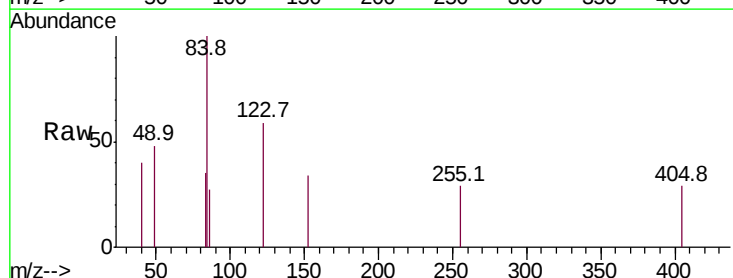
Tgt Ion: 122 Resp: 116

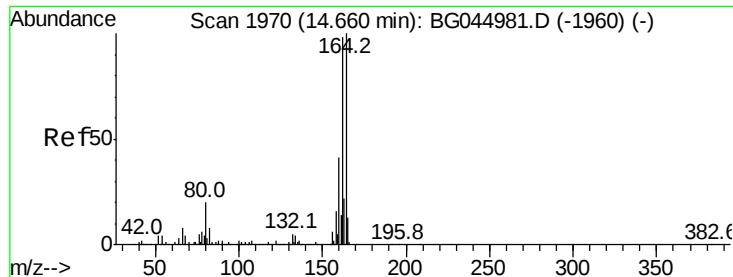
Ion Ratio Lower Upper

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: BG045323.D

Acq: 12 May 2020 10:00

Instrument :

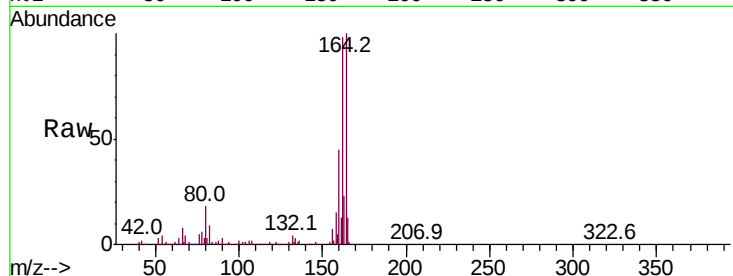
BNA_G

ClientSampleId :

TR-04-050720

Tot Ion:164 Resp: 253299

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	44.9	32.8	49.2

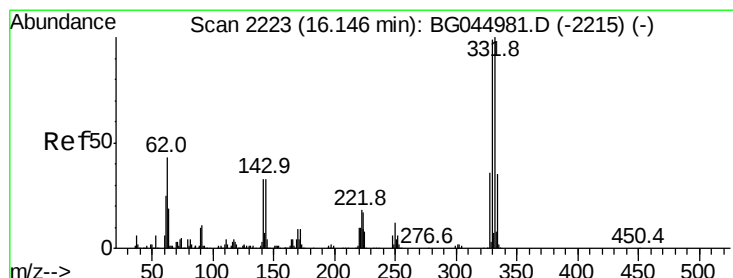
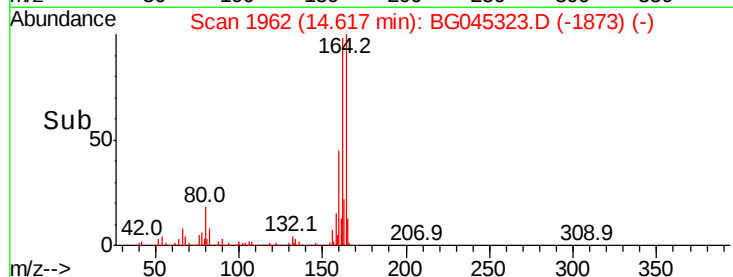
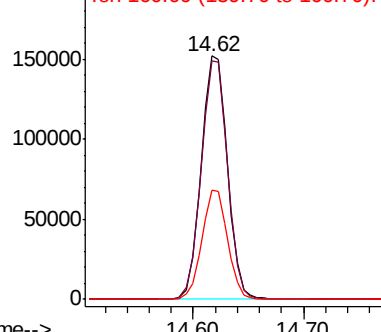


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 5.959 ng

RT: 16.11 min Scan# 2216

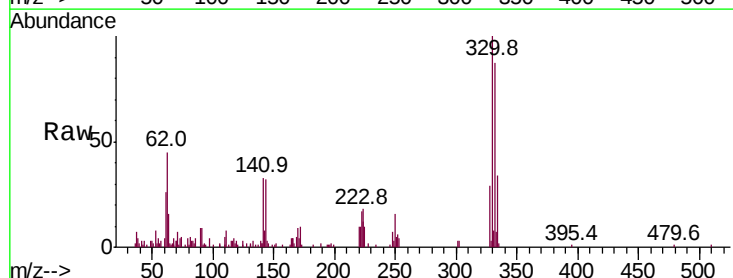
Delta R.T. -0.01 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Tgt Ion:330 Resp: 23317

Ion	Ratio	Lower	Upper
330	100		
332	99.4	79.1	118.7
141	33.5	27.1	40.7

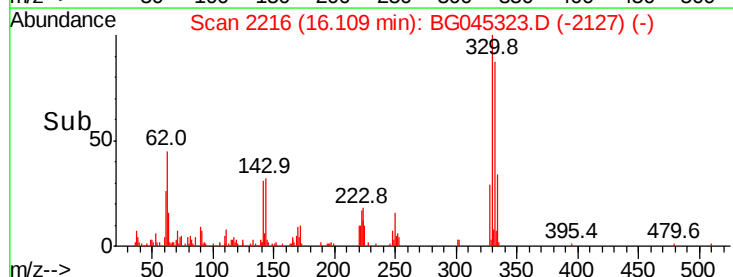
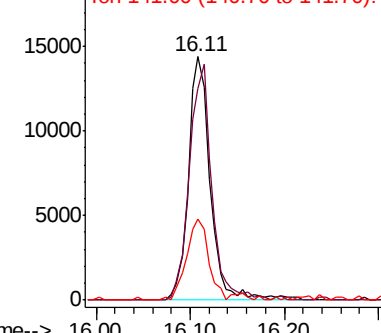


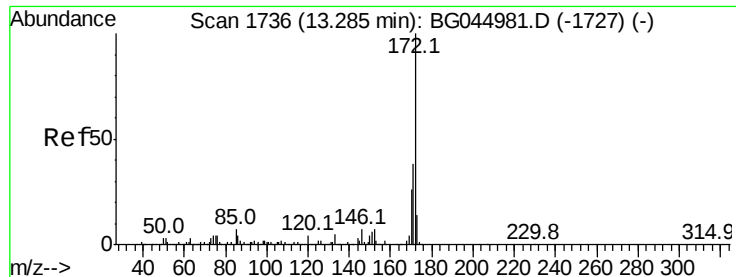
Abundance

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

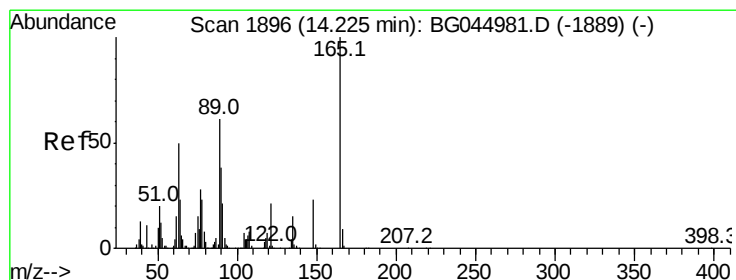
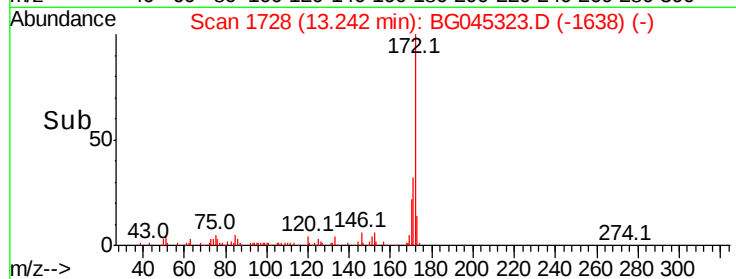
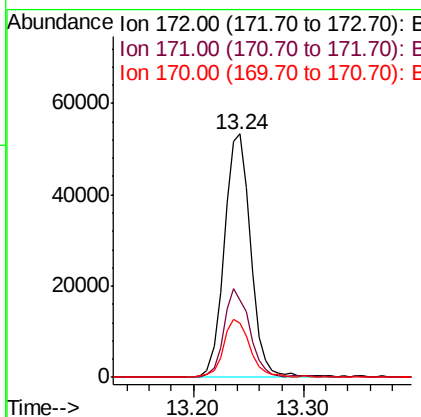
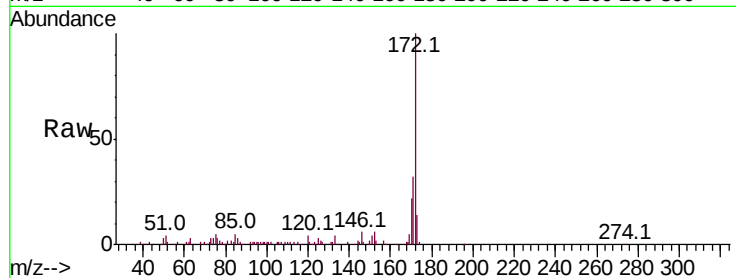




#45
2-Fluorobiphenyl
Concen: 5.199 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG045323.D
Acq: 12 May 2020 10:00

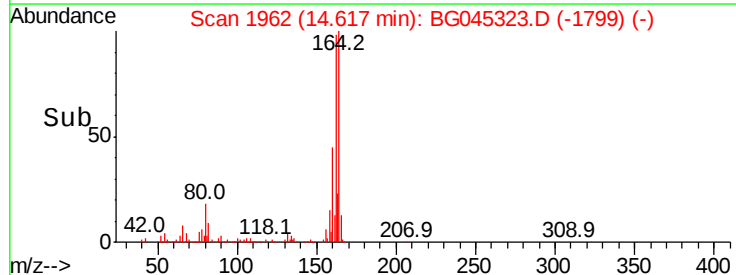
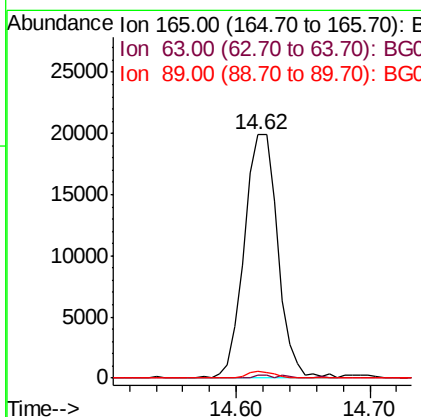
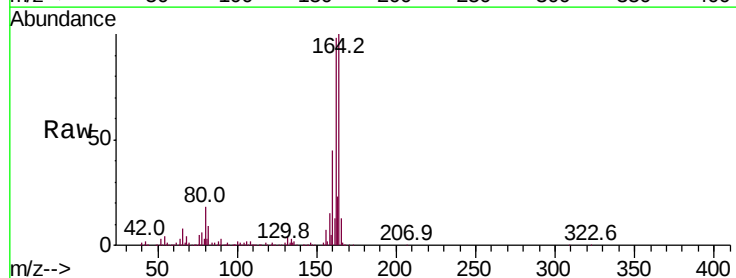
Instrument :
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TR-04-050720

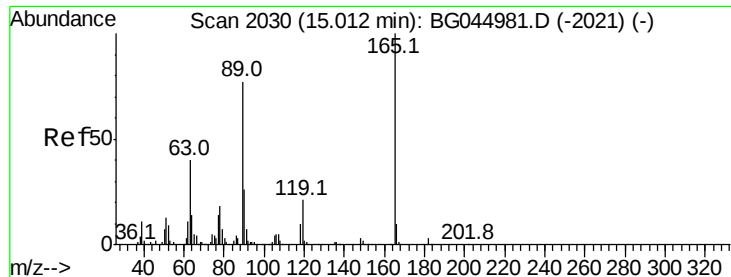
Tot Ion:172 Resp: 89809
Ion Ratio Lower Upper
172 100
171 31.8 30.6 46.0
170 22.0 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.431 ng
RT: 14.62 min Scan# 1962
Delta R.T. 0.43 min
Lab File: BG045323.D
Acq: 12 May 2020 10:00

Tgt Ion:165 Resp: 34280
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 2.7 49.1 73.7#

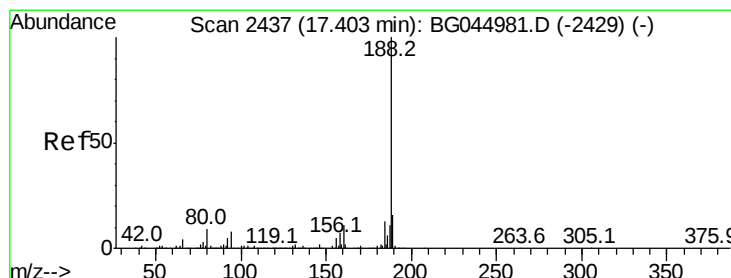
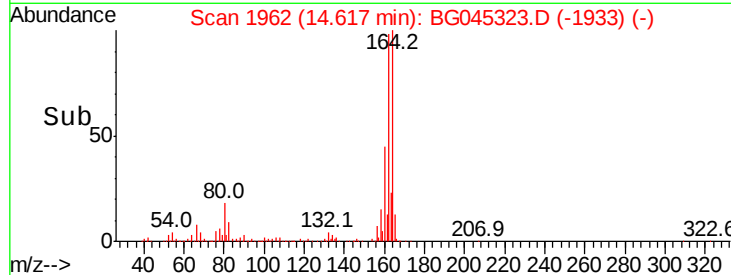
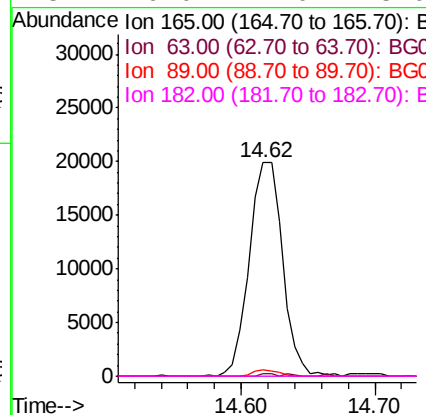
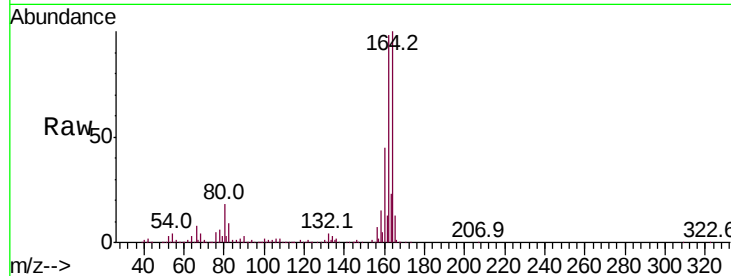




#57
 2,4-Dinitrotoluene
 Concen: 5.085 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.36 min
 Lab File: BG045323.D
 Acq: 12 May 2020 10:00

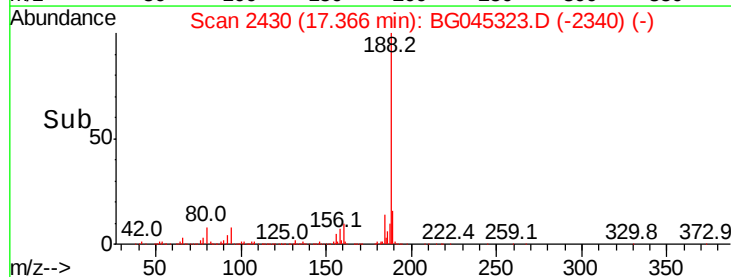
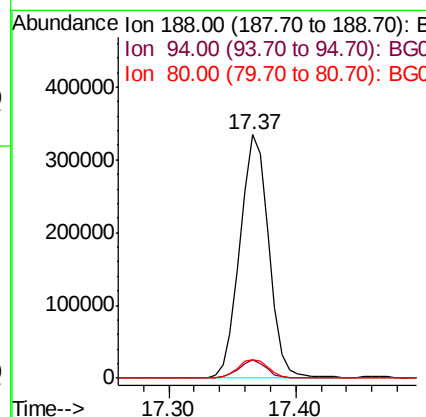
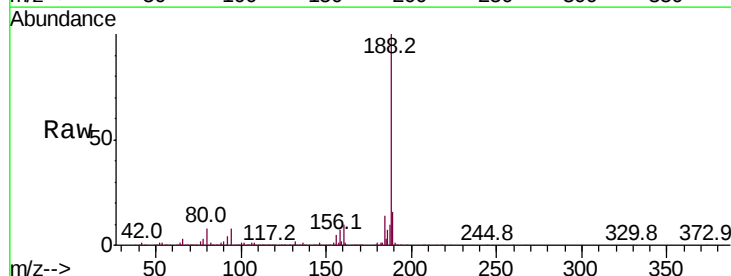
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-050720

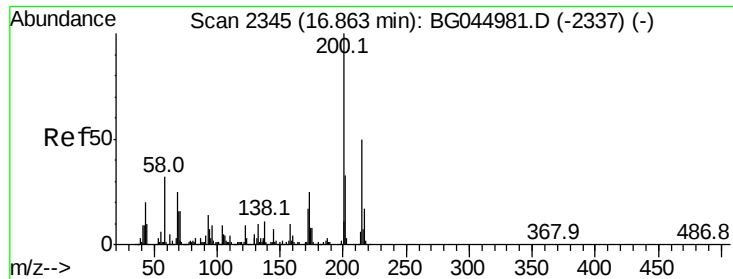
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.2	48.2#
89	2.7	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG045323.D
 Acq: 12 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.2	9.4
80	7.6	7.0	10.6





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2342

Delta R.T. 0.02 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Instrument :

BNA_G

ClientSampleId :

TR-04-050720

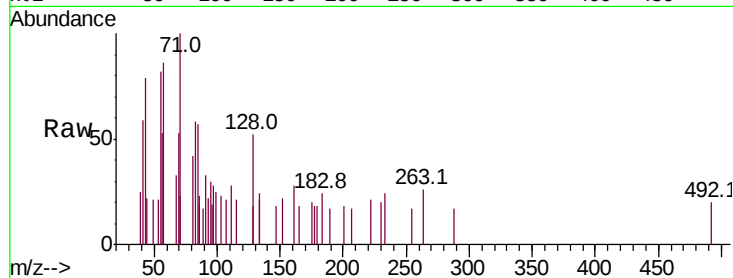
Tot Ion:200 Resp: 59

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

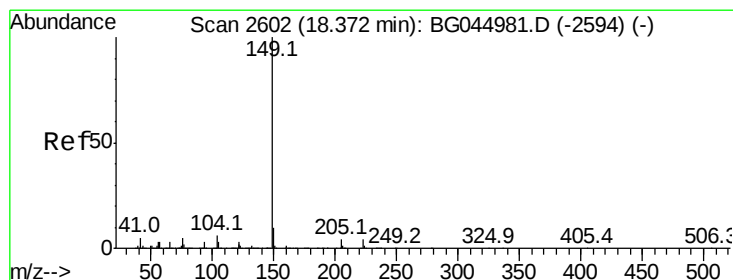
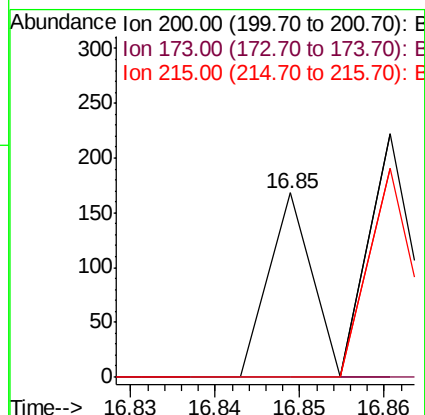
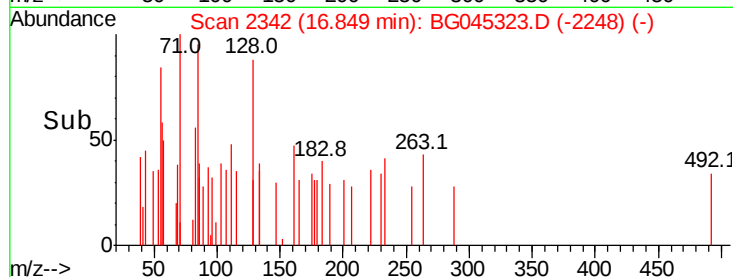
215 0.0 30.0 70.0#



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: 18.34 min Scan# 2595

Delta R.T. -0.00 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

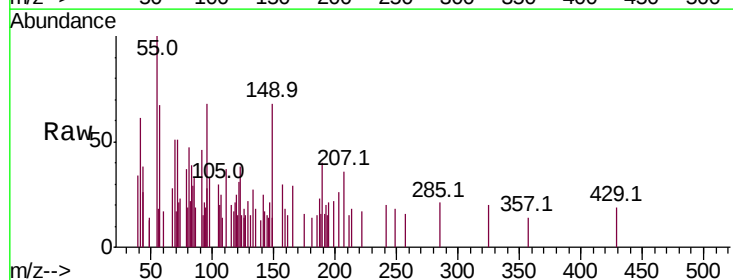
Tgt Ion:149 Resp: 741

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

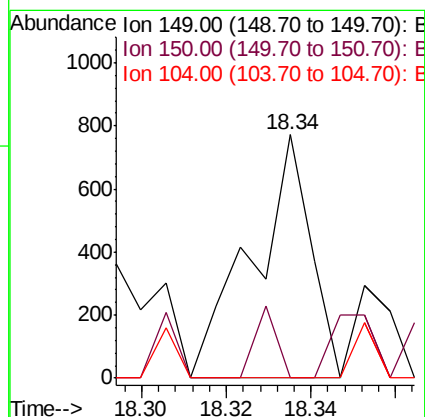
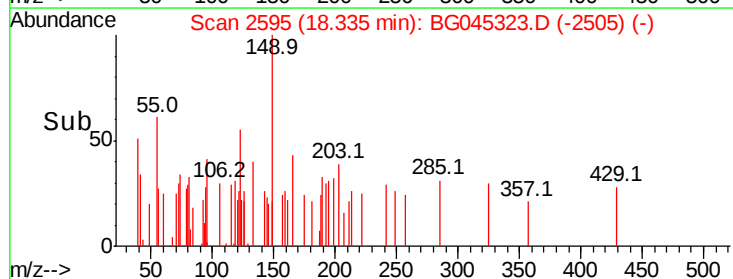
104 0.0 4.8 7.2#

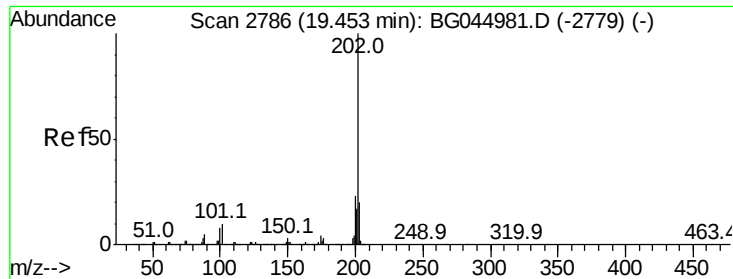


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Instrument :

BNA_G

ClientSampleId :

TR-04-050720

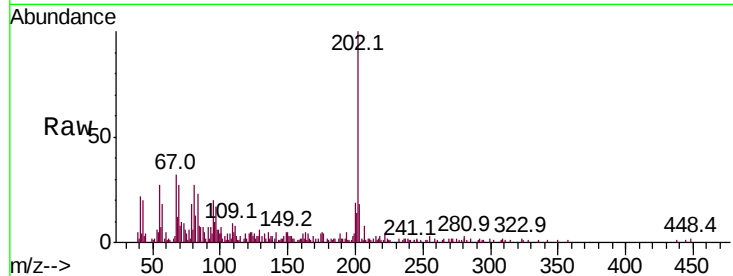
Tot Ion:202 Resp: 18973

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.6

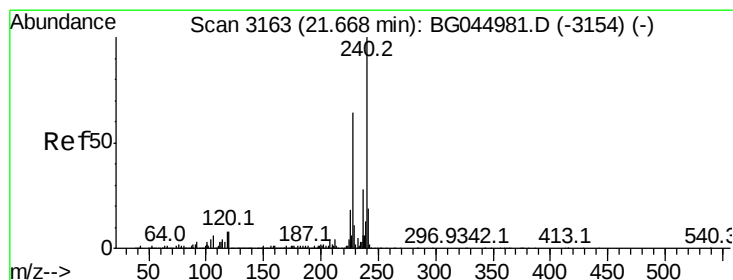
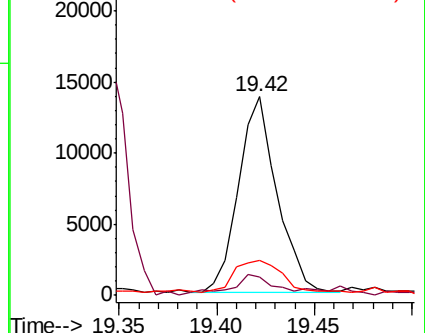
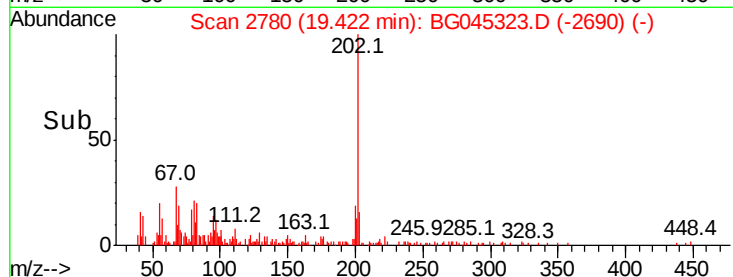
203 17.5 0.0 39.7



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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

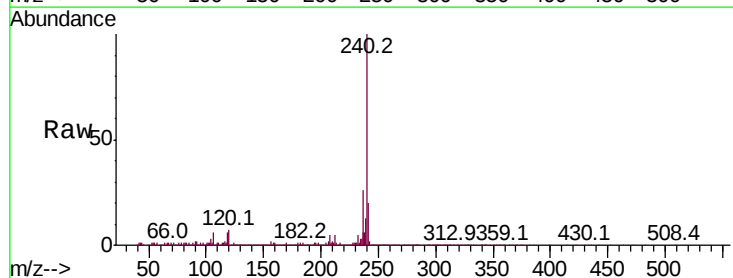
Tgt Ion:240 Resp: 454325

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

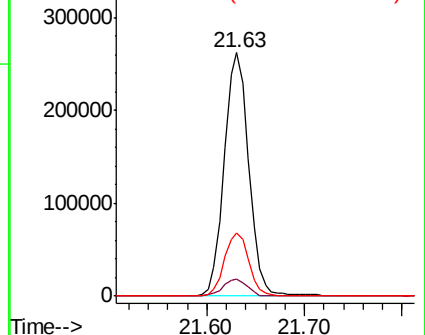
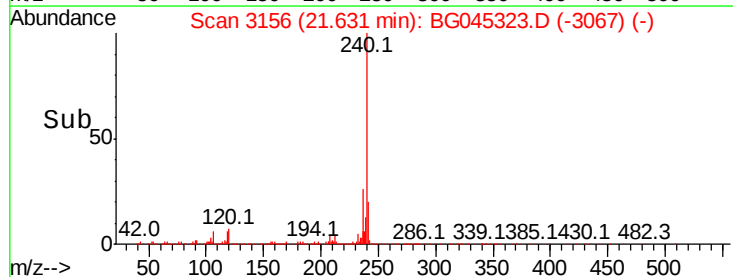
236 26.2 22.2 33.2

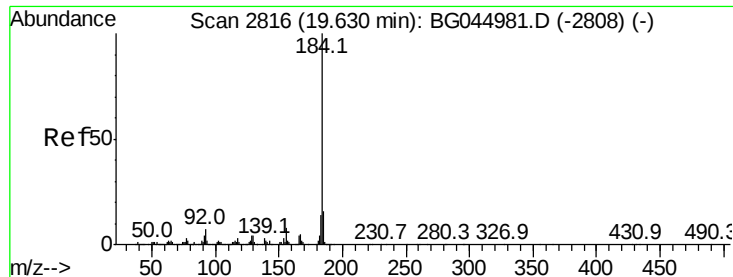


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.59 min Scan# 2808

Delta R.T. -0.02 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

Instrument :

BNA_G

ClientSampleId :

TR-04-050720

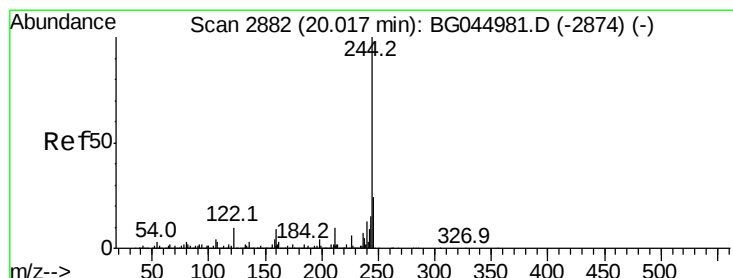
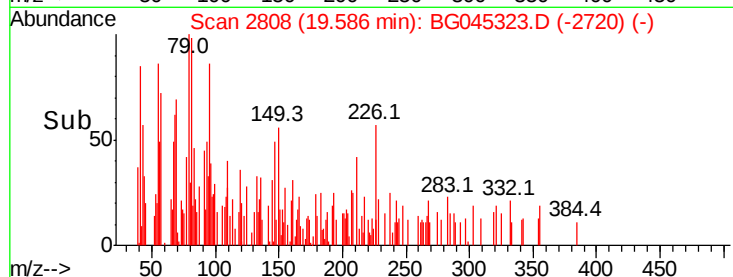
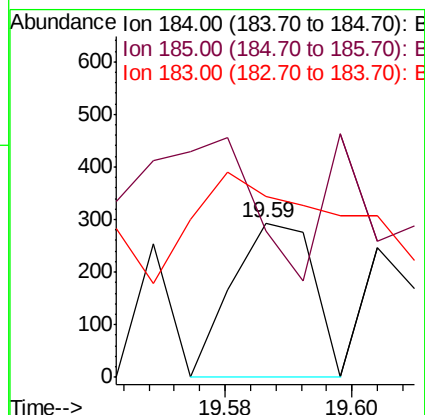
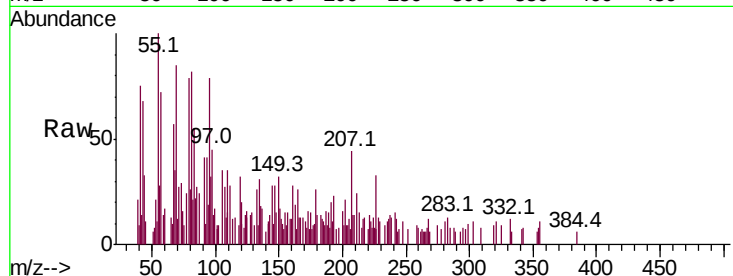
Tot Ion:184 Resp: 259

Ion Ratio Lower Upper

184 100

185 94.9 12.6 19.0#

183 117.1 11.3 16.9#



#79

Terphenyl-d14

Concen: 6.168 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG045323.D

Acq: 12 May 2020 10:00

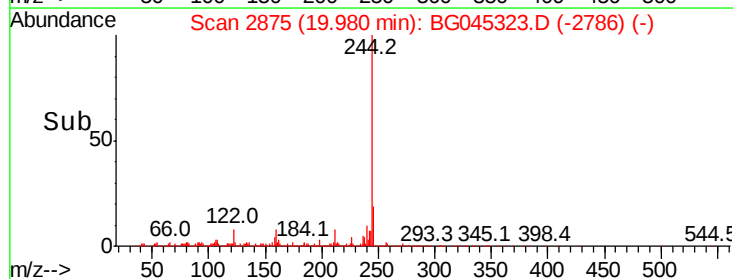
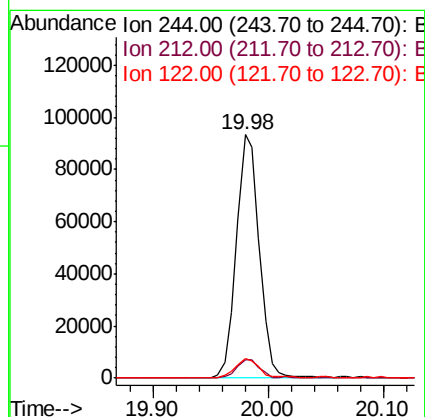
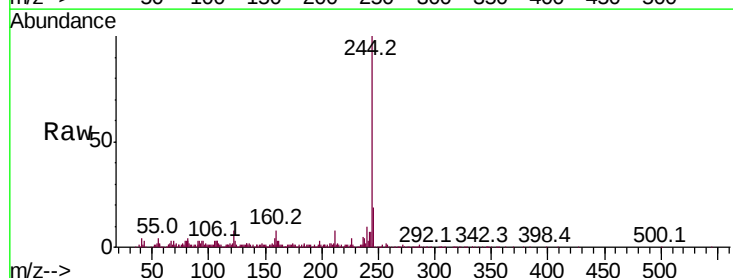
Tgt Ion:244 Resp: 128563

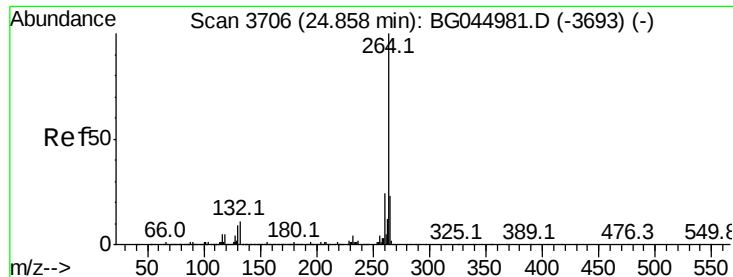
Ion Ratio Lower Upper

244 100

212 7.6 7.9 11.9#

122 7.9 7.7 11.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.80 min Scan# 3695
 Delta R.T. -0.01 min
 Lab File: BG045323.D
 Acq: 12 May 2020 10:00

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-050720

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.9	19.0	28.4

