

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
 Data File : BG045321.D
 Acq On : 12 May 2020 8:42
 Operator : CG/JU
 Sample : L2495-01 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-050720

Quant Time: May 12 09:18:31 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

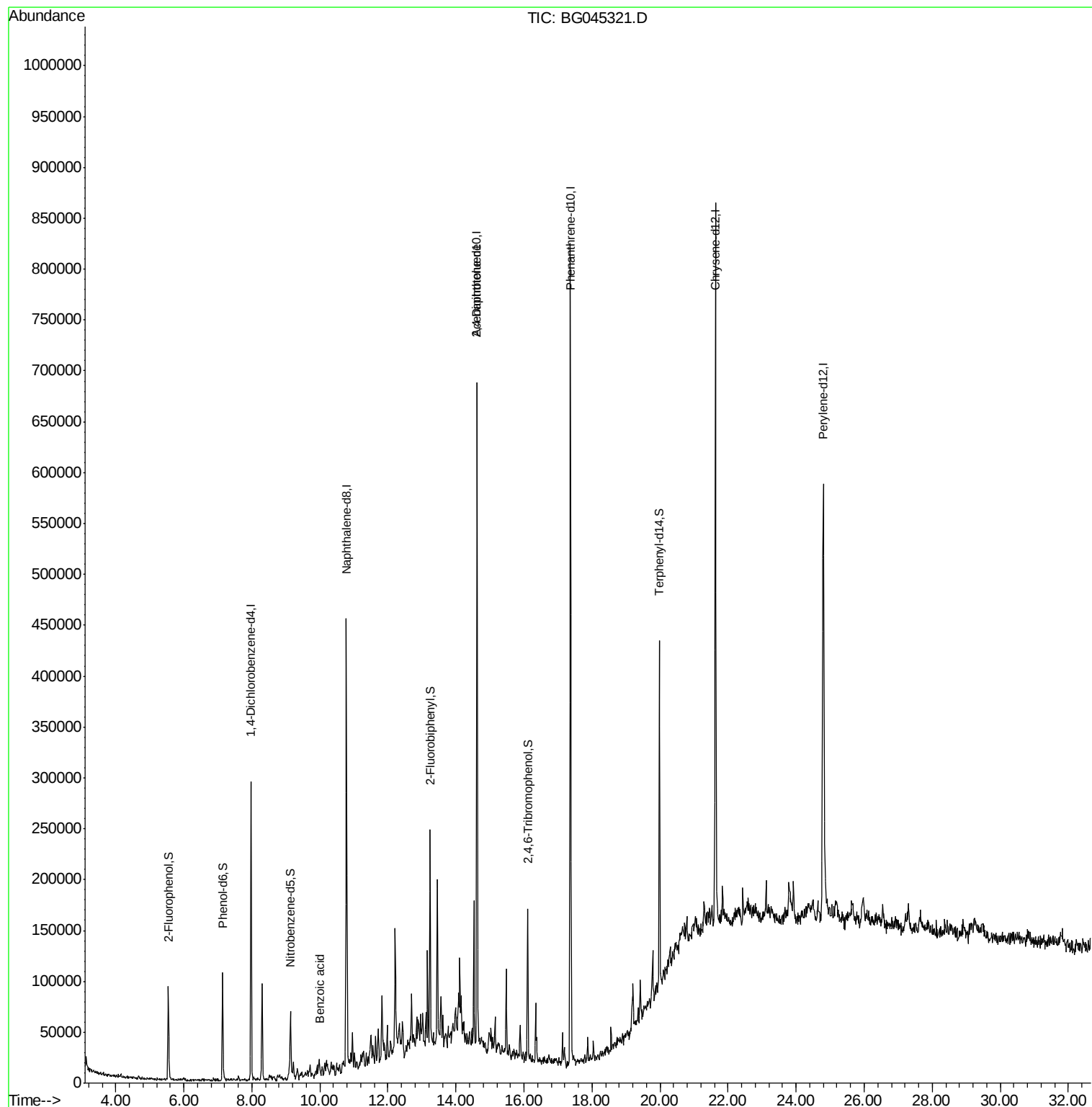
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	87654	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	360203	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	240490	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	513710	20.00	ng	0.00
76) Chrysene-d12	21.63	240	451308	20.00	ng	0.00
87) Perylene-d12	24.80	264	503121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	47313	8.91	ng	0.00
7) Phenol-d6	7.14	99	70074	8.88	ng	0.00
23) Nitrobenzene-d5	9.14	82	48587	6.15	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	30571	8.23	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	116423	7.10	ng	0.00
79) Terphenyl-d14	19.98	244	176494	8.52	ng	0.00
Target Compounds						
9) Benzaldehyde	7.12	77	127	Below Cal	#	4
32) Benzoic acid	10.01	122	92	6.392 ng	#	65
57) 2,4-Dinitrotoluene	14.62	165	32874	5.136 ng	#	23
69) Atrazine	16.83	200	369	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	931	Below Cal	#	62
75) Fluoranthene	19.42	202	26414	Below Cal		93
77) Benizidine	19.61	184	748	Below Cal	#	44

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

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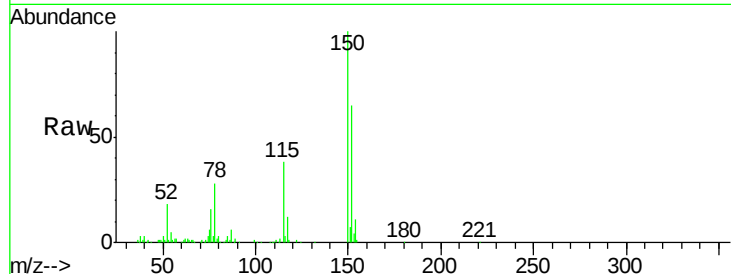


#1

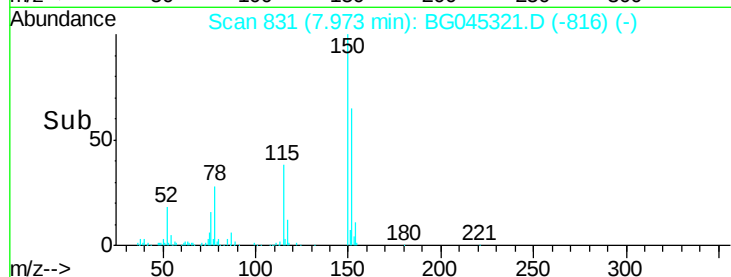
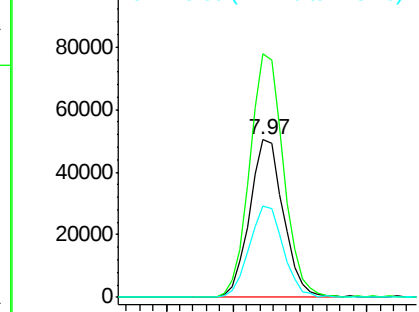
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

Instrument :
BNA_G
ClientSampleId :
HR-05-050720

Tot Ion:152 Resp: 87654
Ion Ratio Lower Upper
152 100
150 154.7 123.6 185.4
115 58.0 49.1 73.7



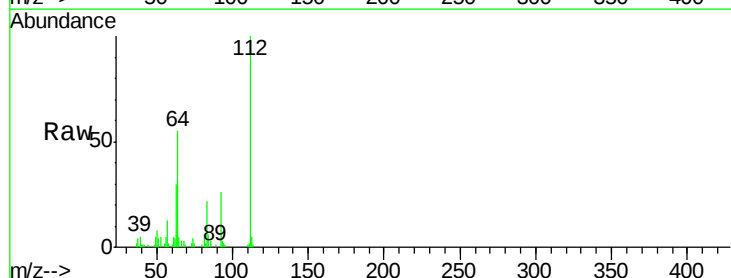
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



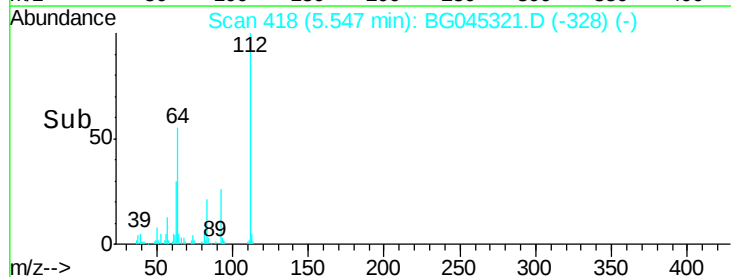
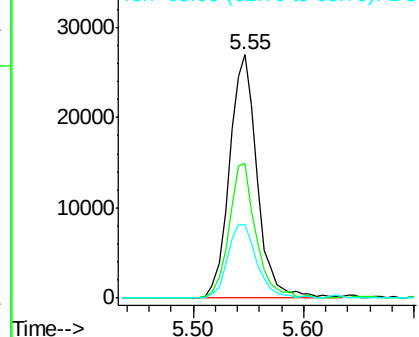
#5

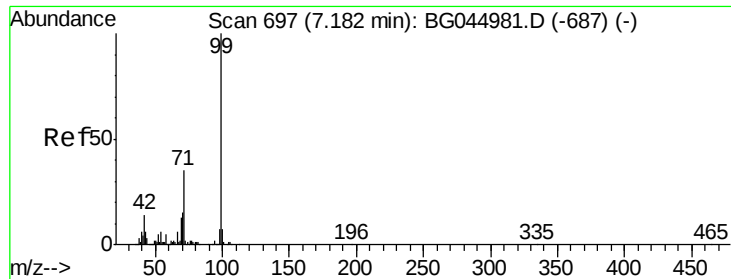
2-Fluorophenol
Concen: 8.911 ng
RT: 5.55 min Scan# 418
Delta R.T. -0.00 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

Tgt Ion:112 Resp: 47313
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 30.4 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: 8.883 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

Instrument :

BNA_G

ClientSampleId :

HR-05-050720

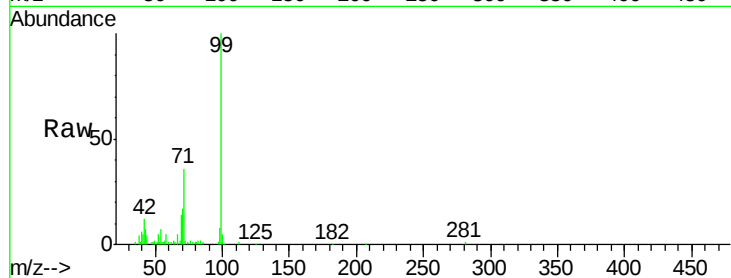
Tot Ion: 99 Resp: 70074

Ion Ratio Lower Upper

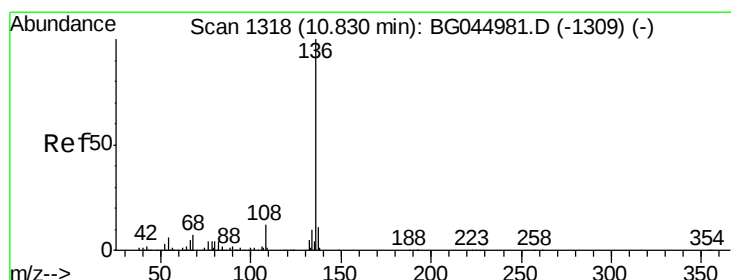
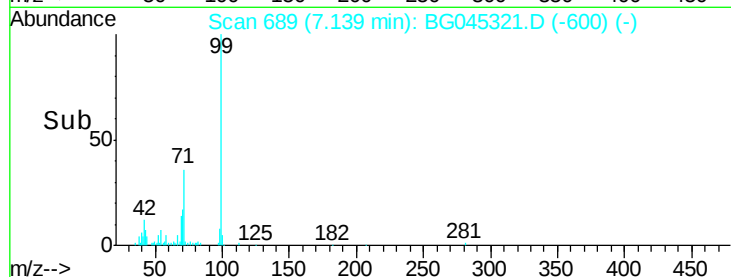
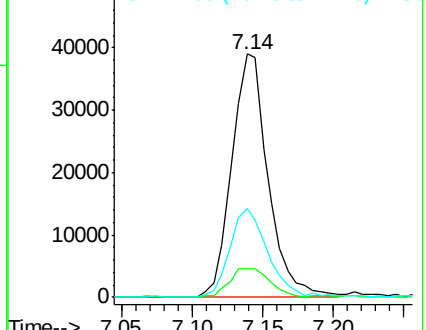
99 100

42 11.9 11.3 16.9

71 36.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

Tgt Ion: 136 Resp: 360203

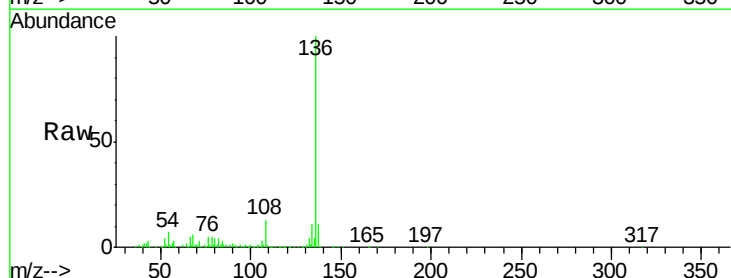
Ion Ratio Lower Upper

136 100

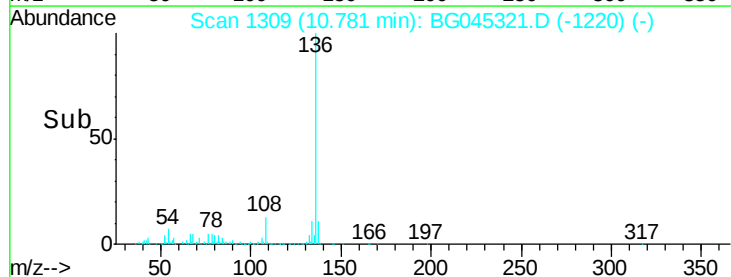
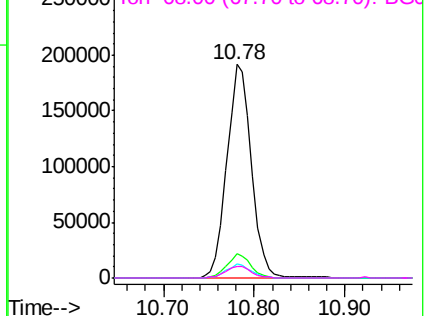
137 11.2 8.6 13.0

54 6.7 4.8 7.2

68 5.6 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

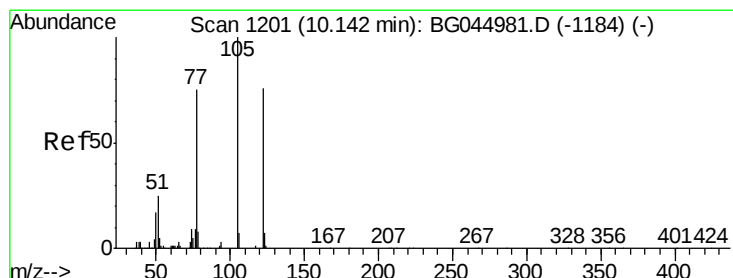
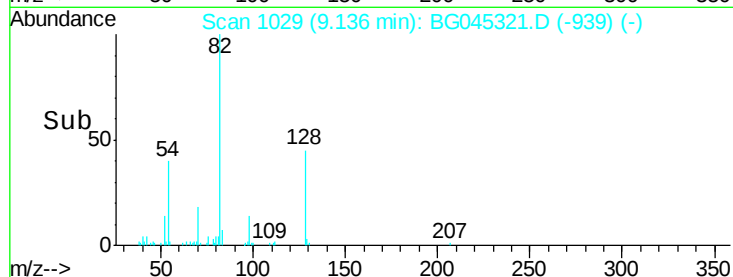
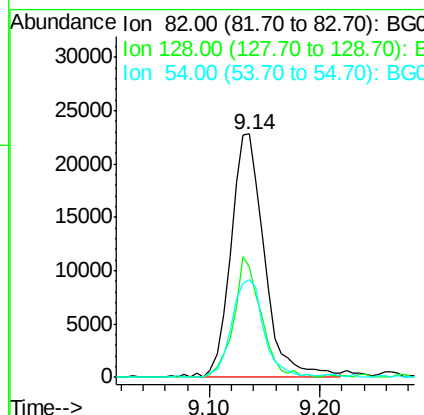
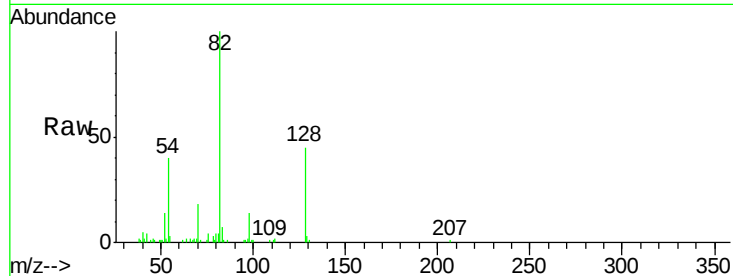




#23
Nitrobenzene-d5
Concen: 6.155 ng
RT: 9.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

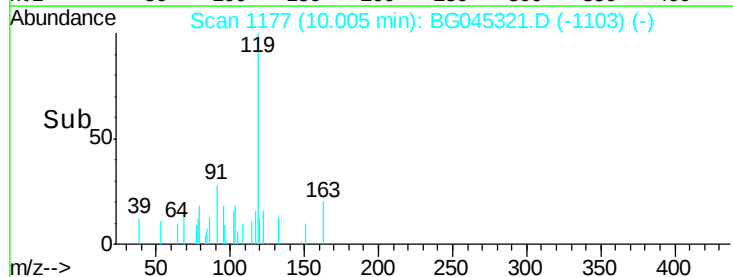
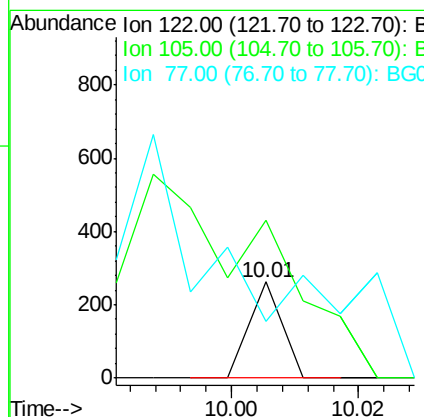
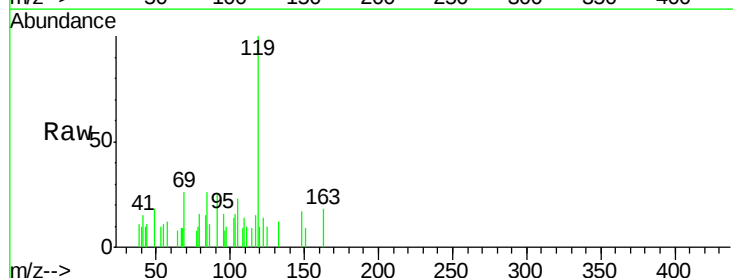
Instrument :
BNA_G
ClientSampleId :
HR-05-050720

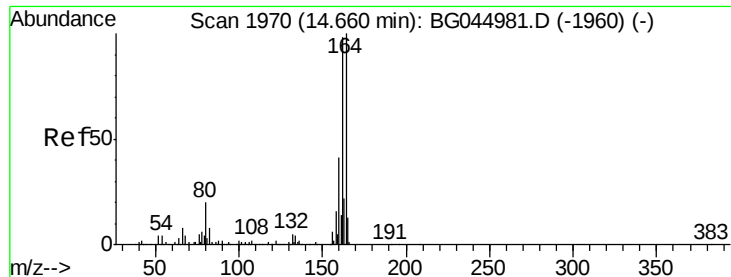
Tot Ion	82	Resp	48587
Ion Ratio	Lower	Upper	
82	100		
128	45.4	33.0	49.4
54	40.1	30.4	45.6



#32
Benzoic acid
Concen: 6.392 ng
RT: 10.01 min Scan# 1177
Delta R.T. -0.10 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

Tgt Ion	122	Resp	92
Ion Ratio	Lower	Upper	
122	100		
105	164.1	108.4	148.4#
77	59.5	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: BG045321.D

Acq: 12 May 2020 8:42

Instrument :

BNA_G

ClientSampleId :

HR-05-050720

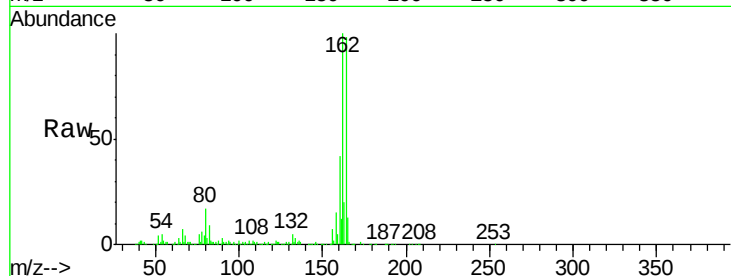
Tot Ion:164 Resp: 240490

Ion Ratio Lower Upper

164 100

162 101.6 78.7 118.1

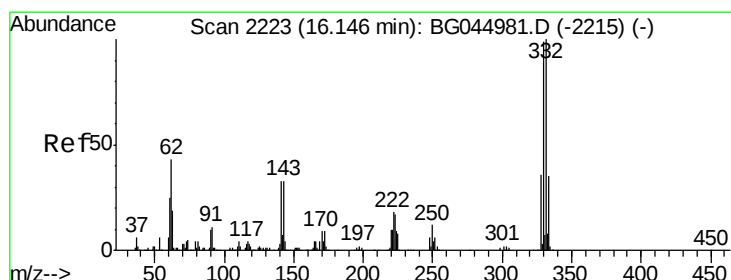
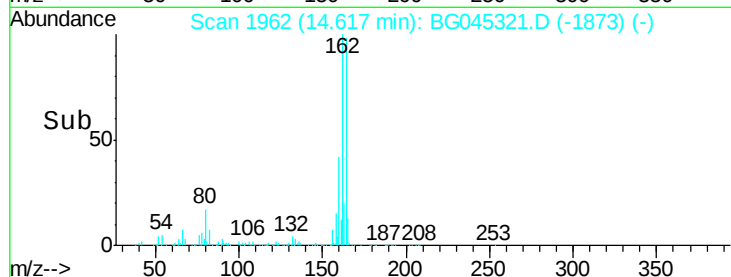
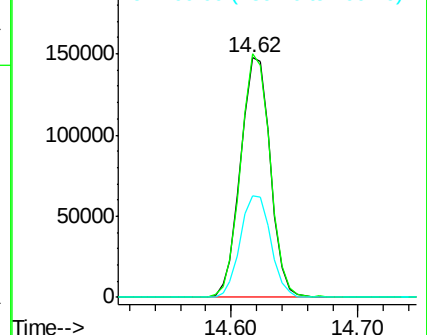
160 42.4 32.8 49.2



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: 8.229 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

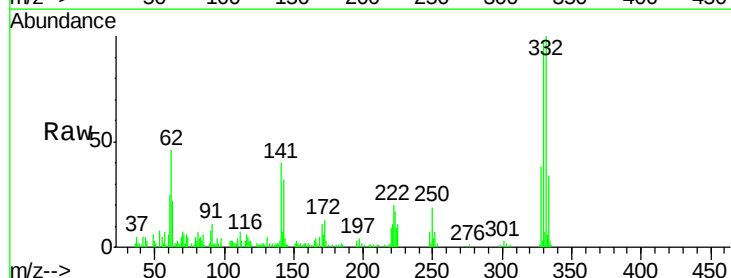
Tgt Ion:330 Resp: 30571

Ion Ratio Lower Upper

330 100

332 98.0 79.1 118.7

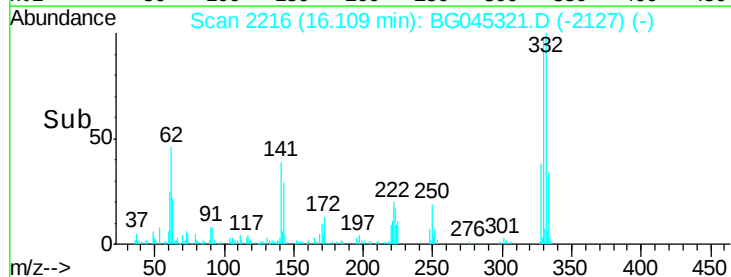
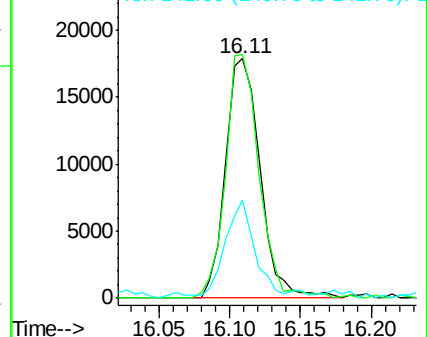
141 33.7 27.1 40.7

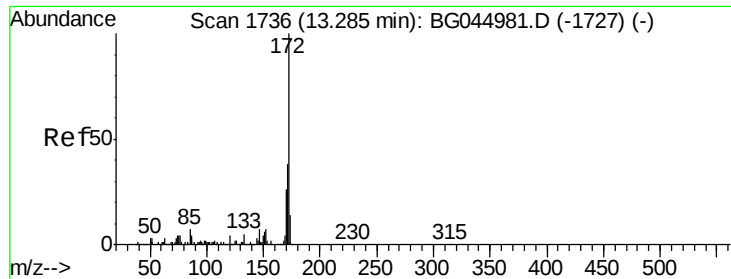


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

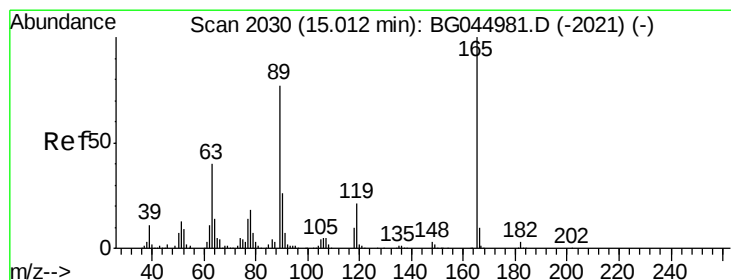
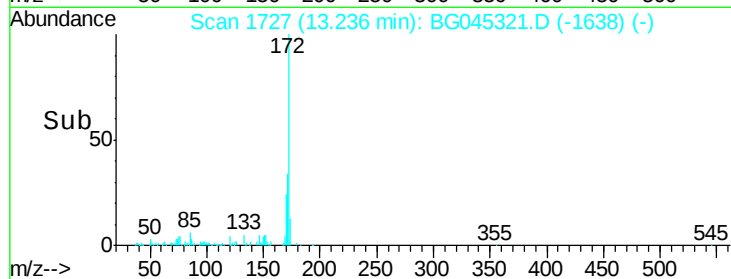
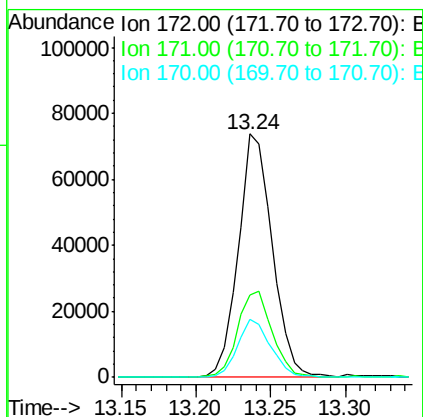
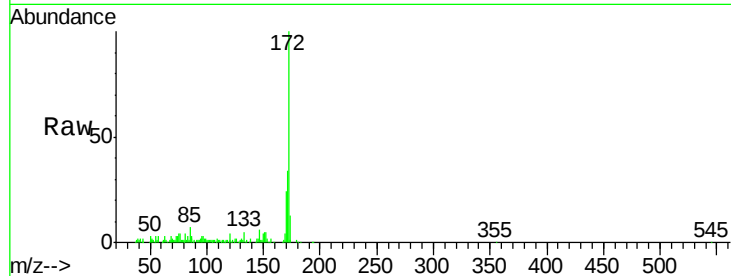




#45
2-Fluorobiphenyl
Concen: 7.099 ng
RT: 13.24 min Scan# 1727
Delta R.T. -0.01 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

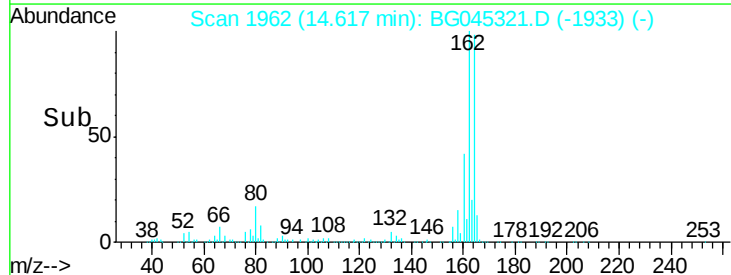
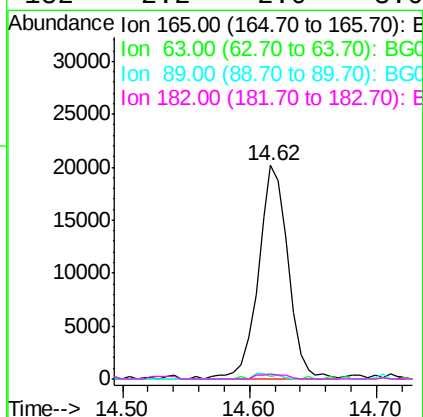
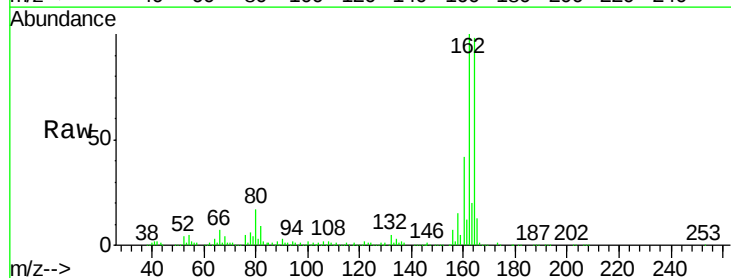
Instrument :
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ClientSampleId :
HR-05-050720

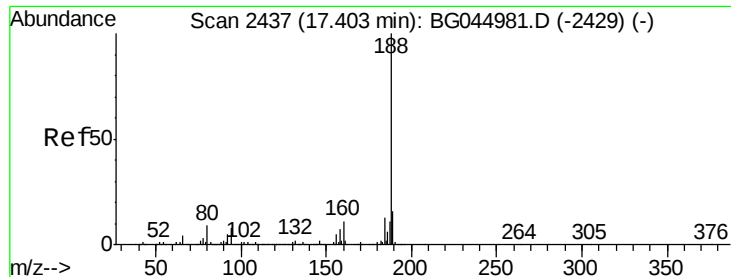
Tot Ion:172 Resp: 116423
Ion Ratio Lower Upper
172 100
171 33.9 30.6 46.0
170 23.8 20.5 30.7



#57
2,4-Dinitrotoluene
Concen: 5.136 ng
RT: 14.62 min Scan# 1962
Delta R.T. -0.36 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

Tgt Ion:165 Resp: 32874
Ion Ratio Lower Upper
165 100
63 1.5 32.2 48.2#
89 1.8 61.7 92.5#
182 2.2 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: BG045321.D

Acq: 12 May 2020 8:42

Instrument :

BNA_G

ClientSampleId :

HR-05-050720

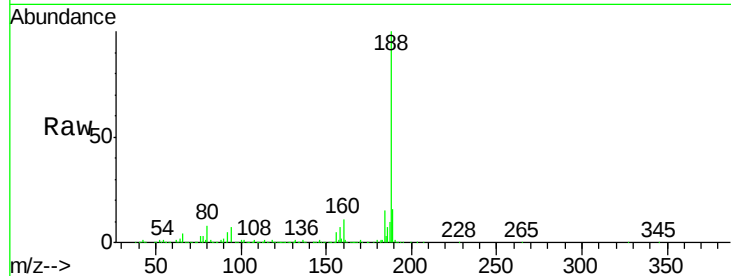
Tot Ion:188 Resp: 513710

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

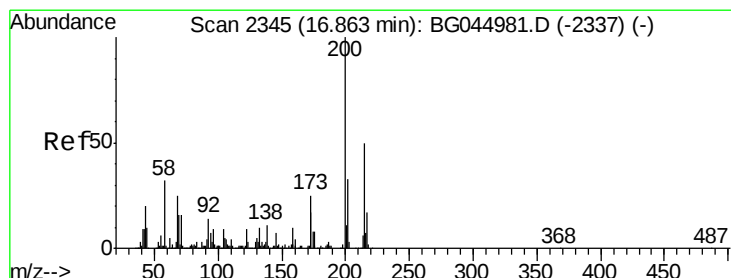
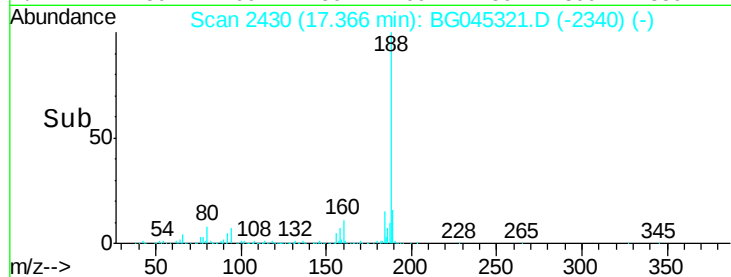
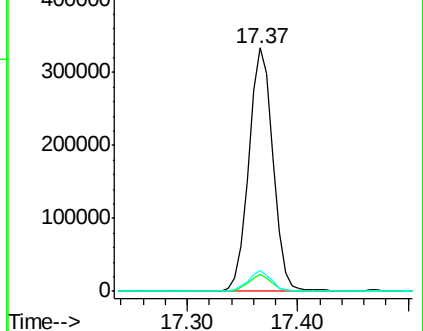
80 8.4 7.0 10.6



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



#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2339

Delta R.T. 0.00 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

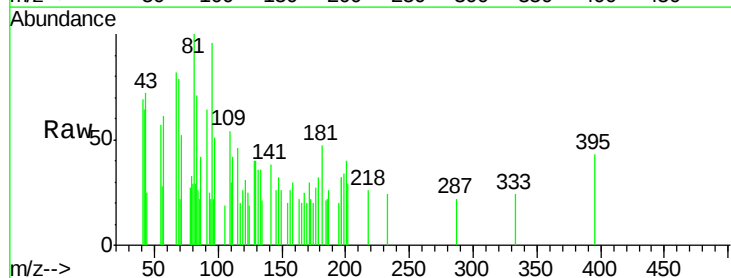
Tgt Ion:200 Resp: 369

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

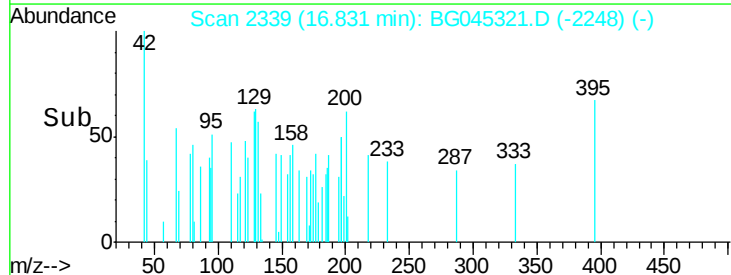
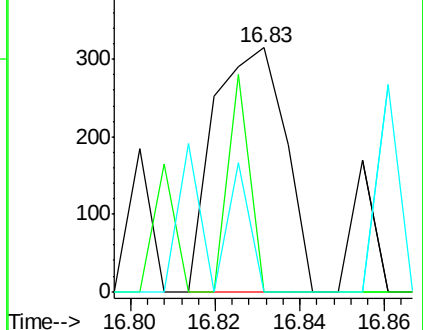
215 0.0 30.0 70.0#

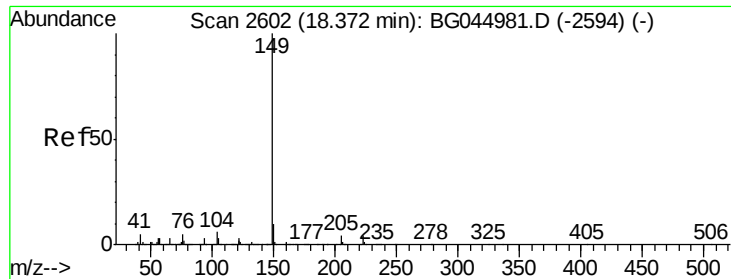


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

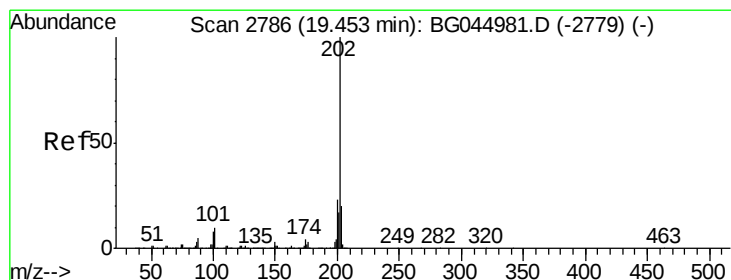
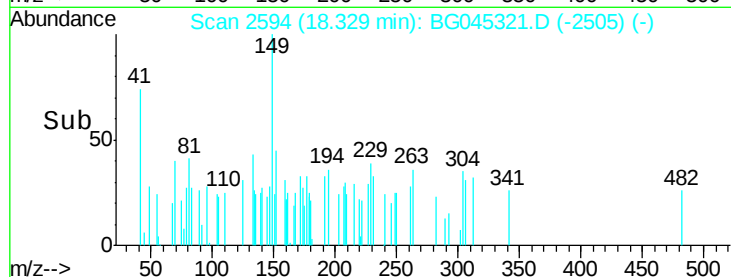
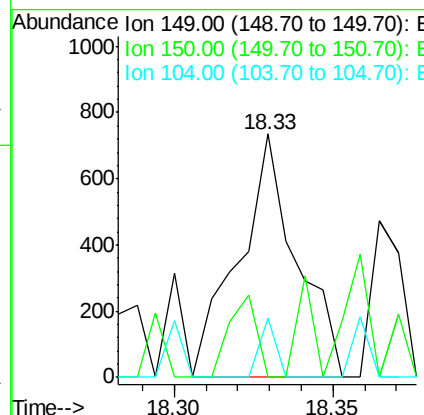
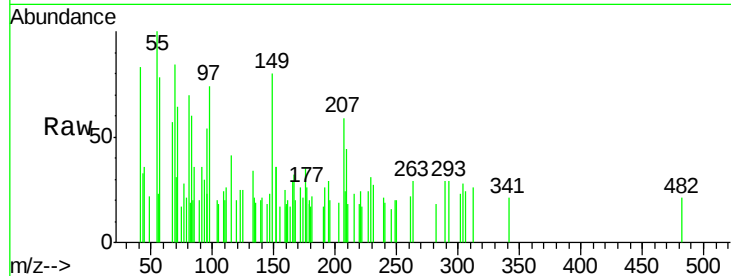




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.33 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

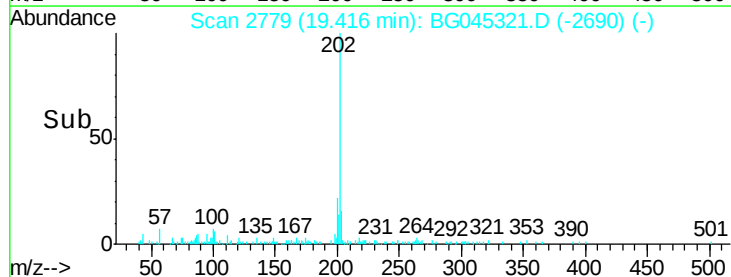
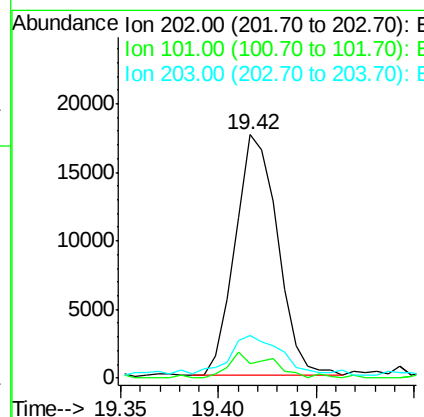
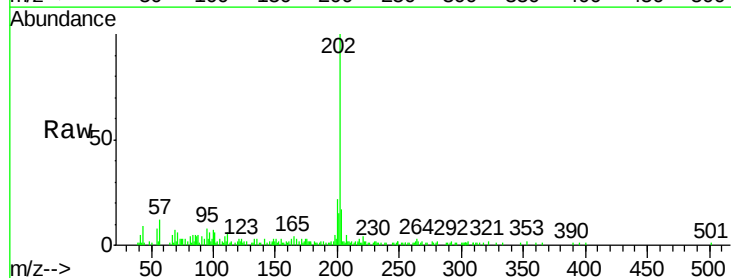
Instrument :
BNA_G
ClientSampleId :
HR-05-050720

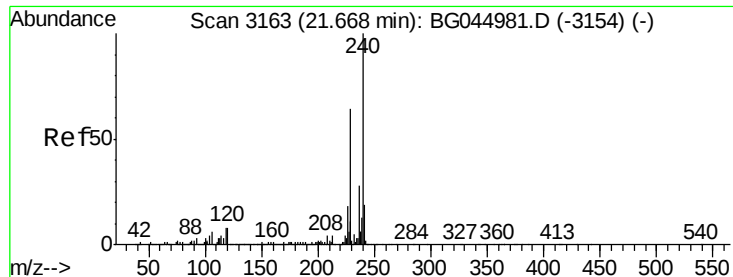
Tot Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.2	12.2#
104	24.5	4.8	7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.42 min Scan# 2779
Delta R.T. -0.01 min
Lab File: BG045321.D
Acq: 12 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	29.6
203	17.5	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: BG045321.D

Acq: 12 May 2020 8:42

Instrument :

BNA_G

ClientSampleId :

HR-05-050720

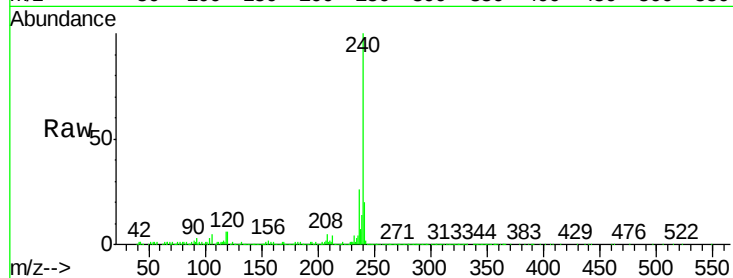
Tot Ion:240 Resp: 451308

Ion Ratio Lower Upper

240 100

120 5.5 6.6 10.0#

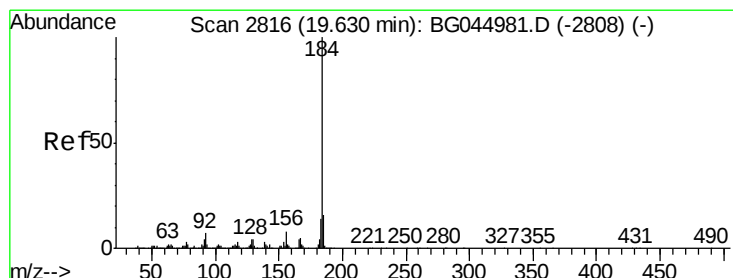
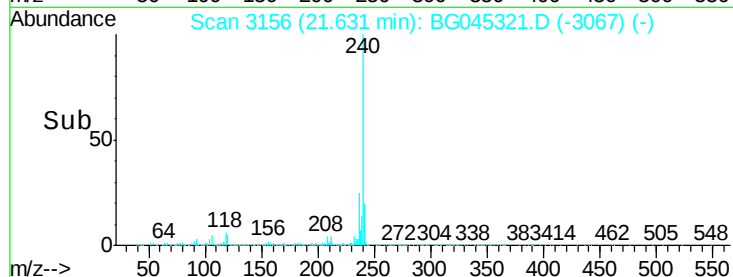
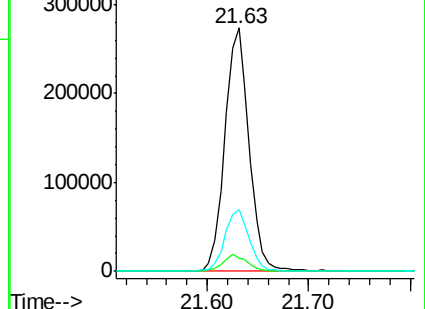
236 25.6 22.2 33.2



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: 19.61 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

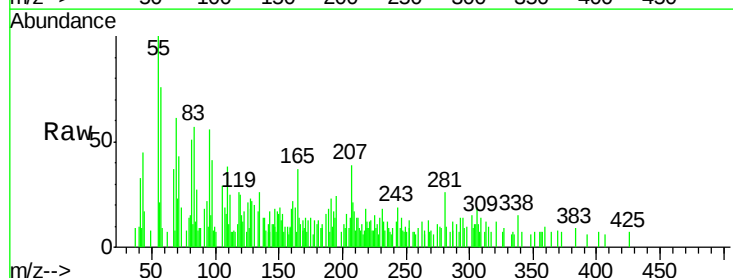
Tgt Ion:184 Resp: 748

Ion Ratio Lower Upper

184 100

185 0.0 12.6 19.0#

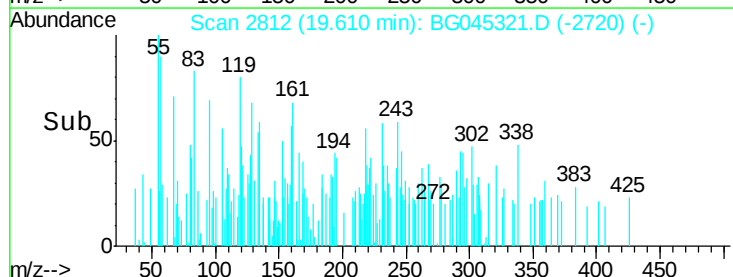
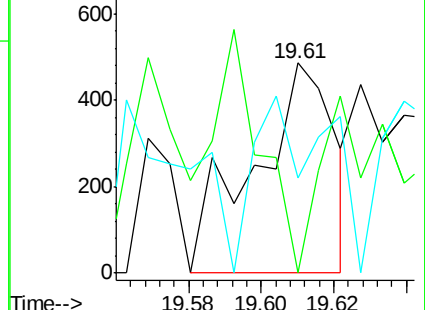
183 45.2 11.3 16.9#

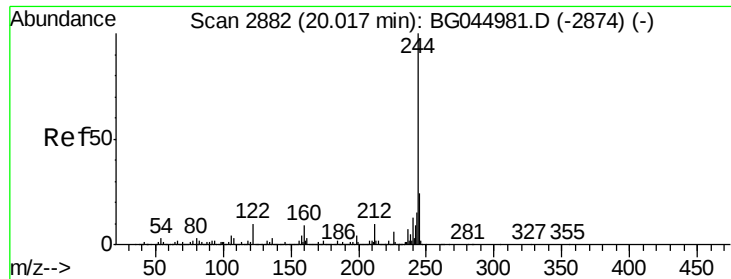


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 8.524 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

Instrument :

BNA_G

ClientSampleId :

HR-05-050720

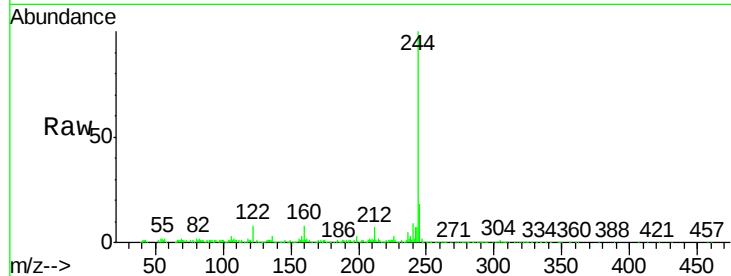
Tot Ion:244 Resp: 176494

Ion Ratio Lower Upper

244 100

212 7.2 7.9 11.9#

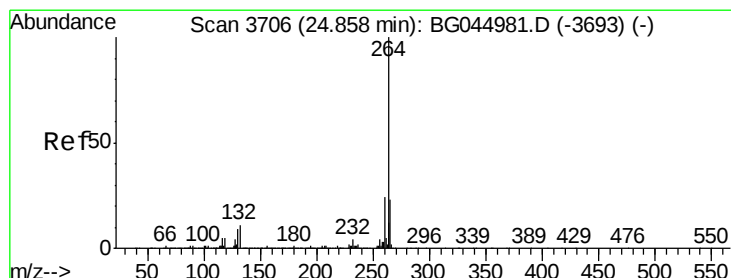
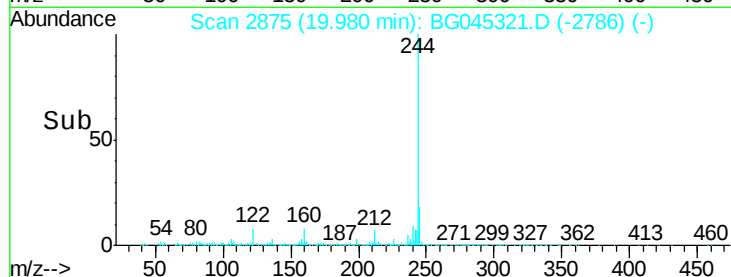
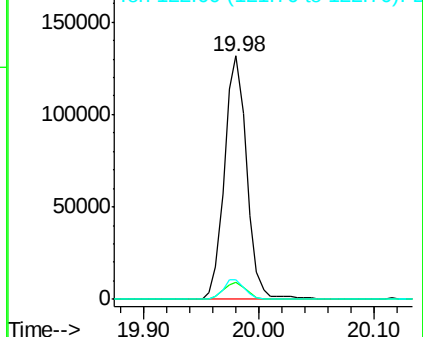
122 8.2 7.7 11.5



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: 24.80 min Scan# 3695

Delta R.T. -0.01 min

Lab File: BG045321.D

Acq: 12 May 2020 8:42

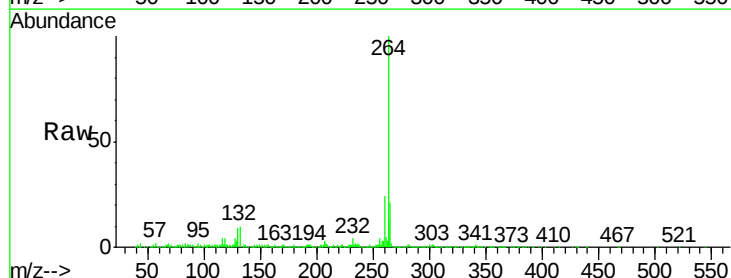
Tgt Ion:264 Resp: 503121

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.3 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

