

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
 Data File : BG045243.D
 Acq On : 4 May 2020 21:14
 Operator : CG/JU
 Sample : L2122-11 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-043020

Quant Time: May 05 01:28:08 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 04 13:03:14 2020
 Response via : Initial Calibration

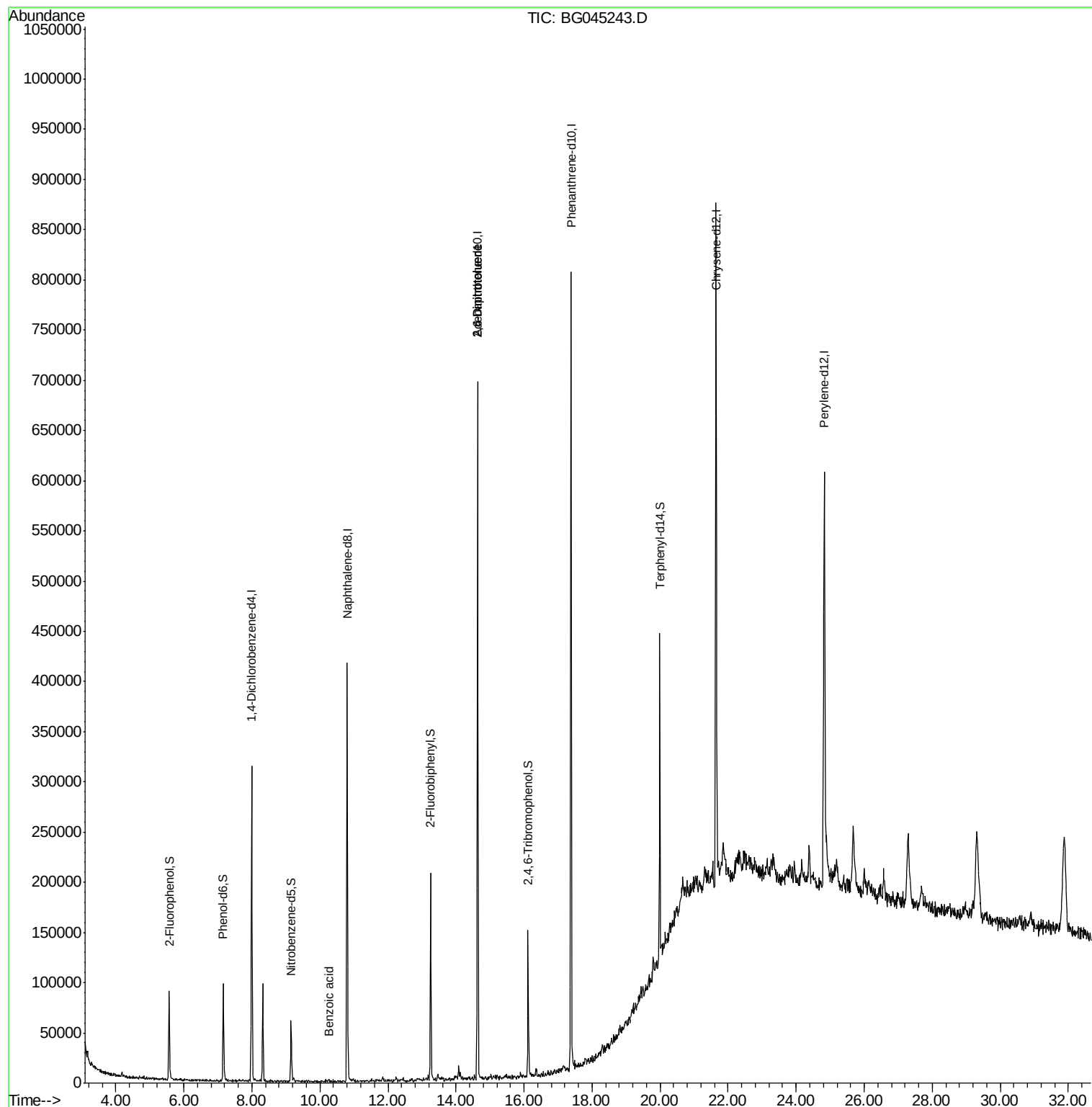
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	97433	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	382121	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	258482	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	532212	20.00	ng	0.00
76) Chrysene-d12	21.65	240	445155	20.00	ng	0.00
87) Perylene-d12	24.83	264	489345	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	47254	8.01	ng	0.00
7) Phenol-d6	7.16	99	67854	7.74	ng	0.00
23) Nitrobenzene-d5	9.15	82	46086	5.50	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	29168	7.30	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	117263	6.65	ng	0.00
79) Terphenyl-d14	19.99	244	167888	8.22	ng	0.00
Target Compounds						
32) Benzoic acid	10.26	122	174	6.406	ng	# 1
51) 2,6-Dinitrotoluene	14.63	165	32564	6.917	ng	# 25
57) 2,4-Dinitrotoluene	14.63	165	32564	4.733	ng	# 23
69) Atrazine	16.85	200	68	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	1679	Below Cal	#	76
75) Fluoranthene	19.79	202	8024	Below Cal	#	97
77) Benzydine	19.60	184	349	Below Cal	#	1

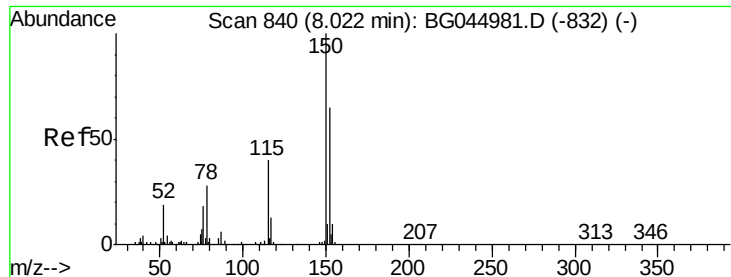
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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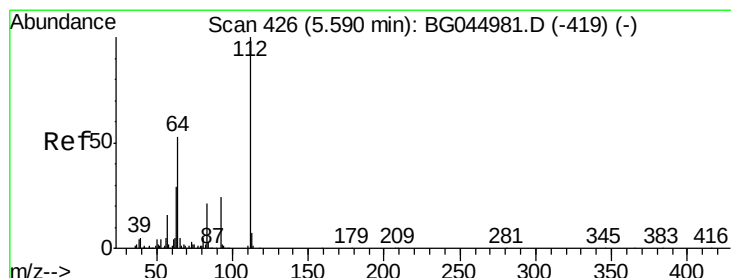
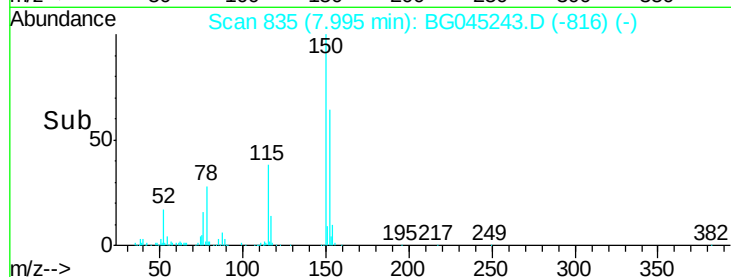
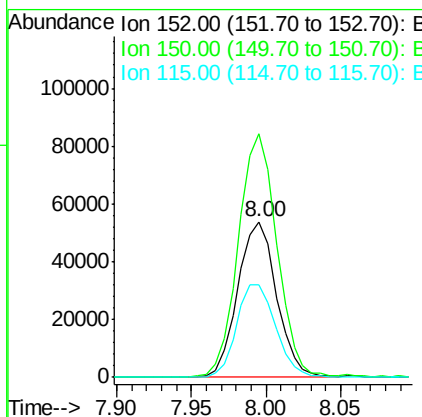
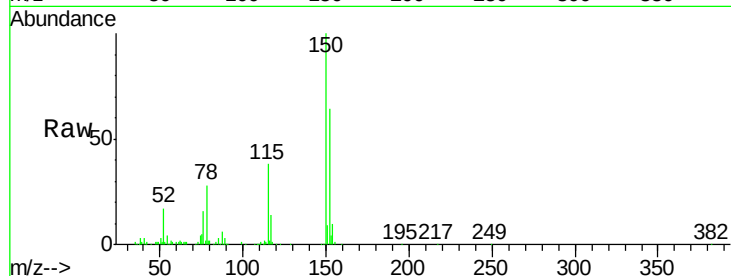


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BG045243.D
 Acq: 4 May 2020 21:14

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-043020

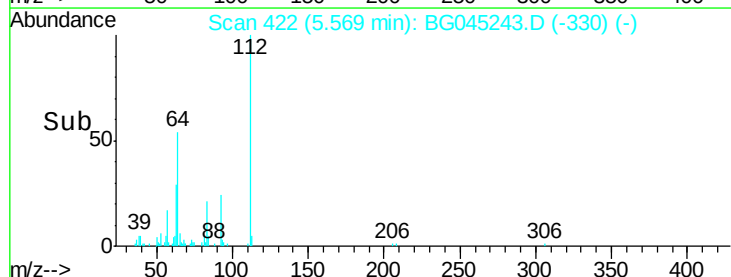
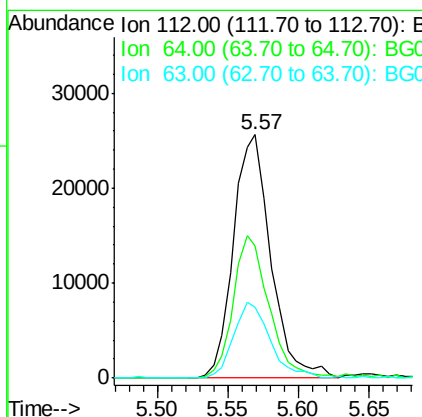
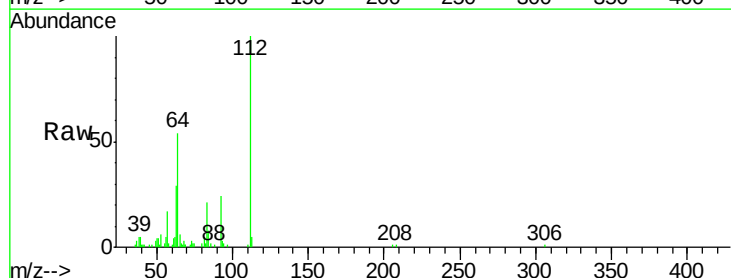
Tot Ion:152 Resp: 97433
 Ion Ratio Lower Upper
 152 100
 150 156.8 123.6 185.4
 115 59.2 49.1 73.7

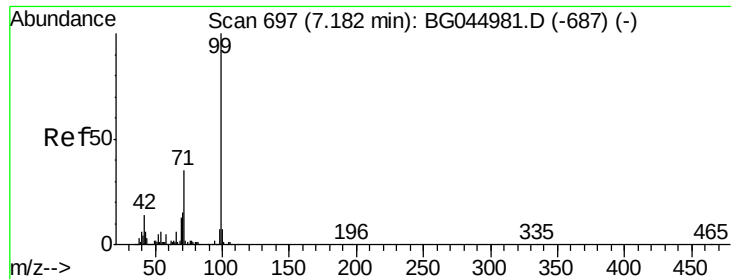


#5

2-Fluorophenol
 Concen: 8.007 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG045243.D
 Acq: 4 May 2020 21:14

Tgt Ion:112 Resp: 47254
 Ion Ratio Lower Upper
 112 100
 64 54.4 42.4 63.6
 63 29.2 23.1 34.7





#7

Phenol-d6

Concen: 7.738 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

BNA_G

ClientSampleId :

SU-03-043020

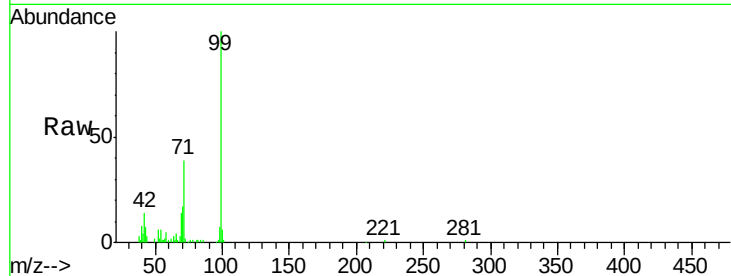
Tot Ion: 99 Resp: 67854

Ion Ratio Lower Upper

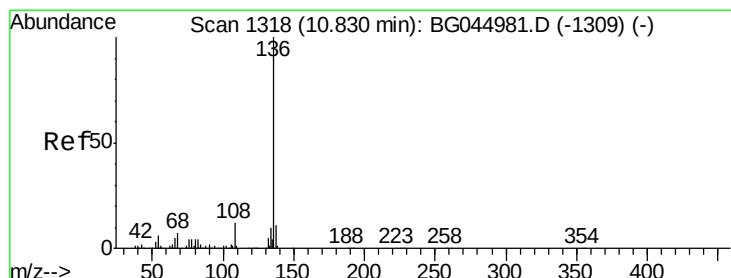
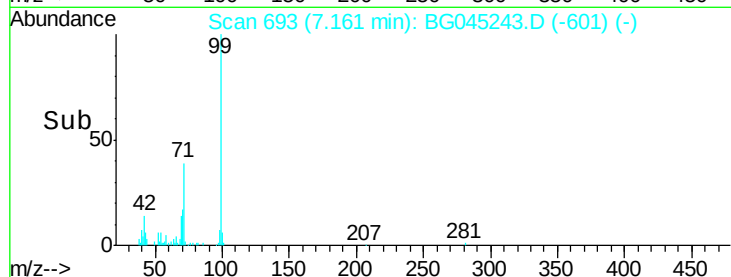
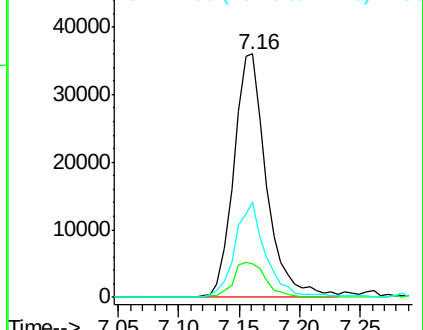
99 100

42 13.7 11.3 16.9

71 39.0 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: 10.80 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Tgt Ion: 136 Resp: 382121

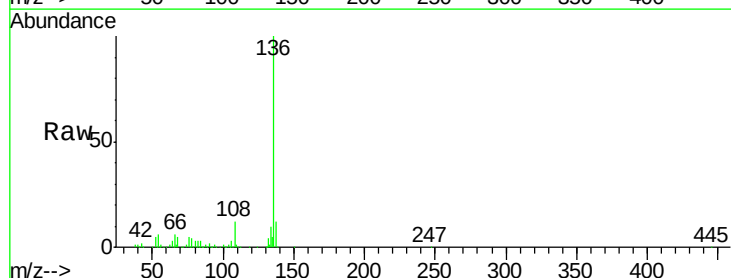
Ion Ratio Lower Upper

136 100

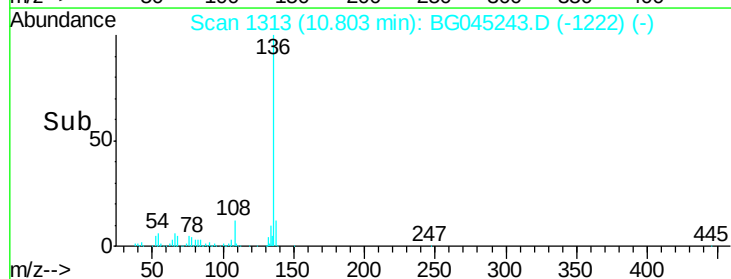
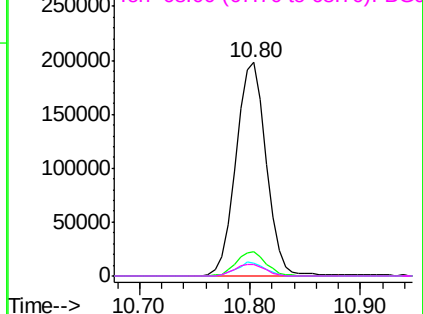
137 11.5 8.6 13.0

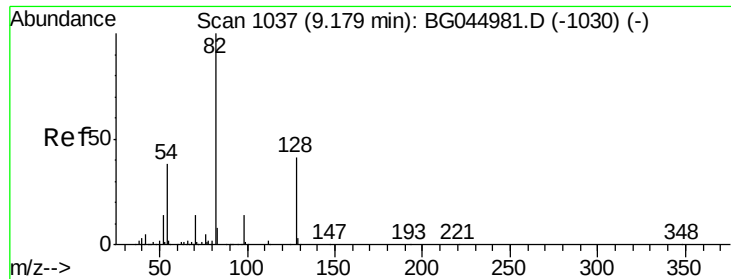
54 6.1 4.8 7.2

68 5.2 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

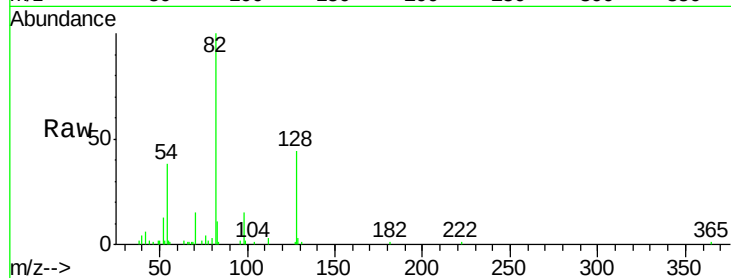




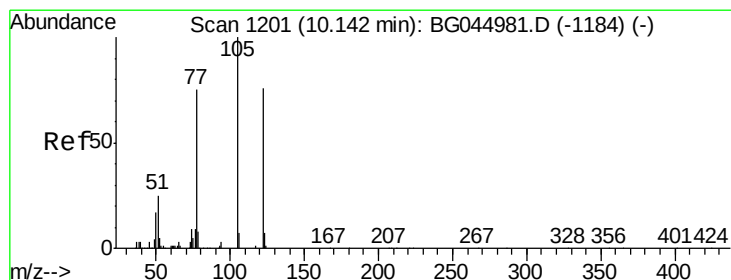
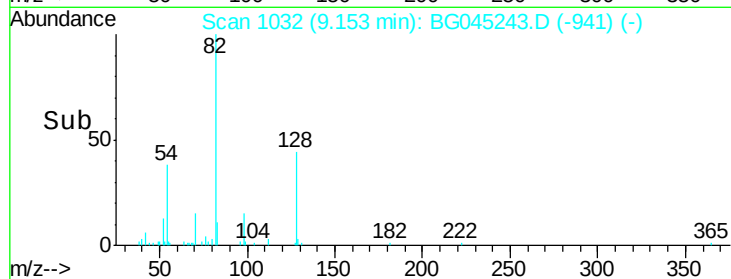
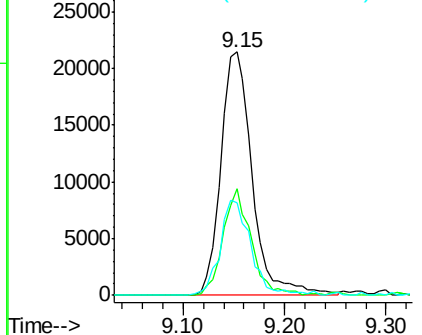
#23
 Nitrobenzene-d5
 Concen: 5.503 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BG045243.D
 Acq: 4 May 2020 21:14

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-043020

Tot Ion	82	Resp	46086
Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.0	49.4
54	37.9	30.4	45.6

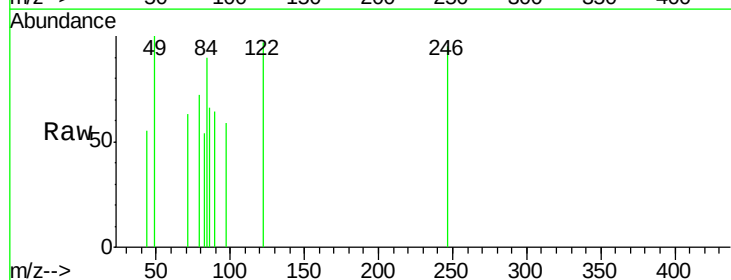


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

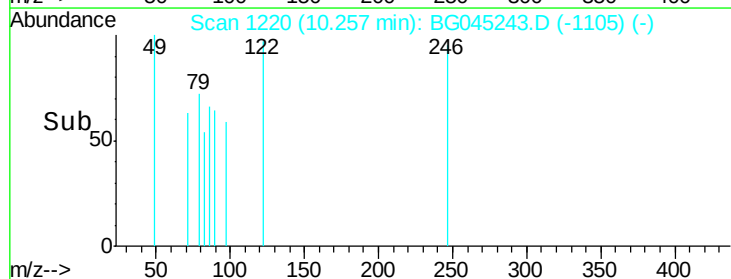
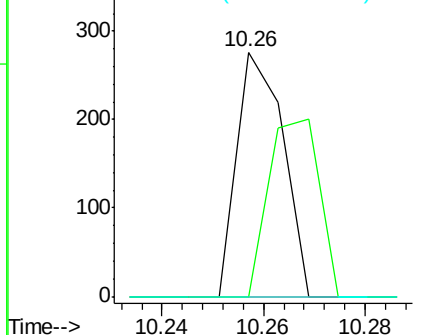


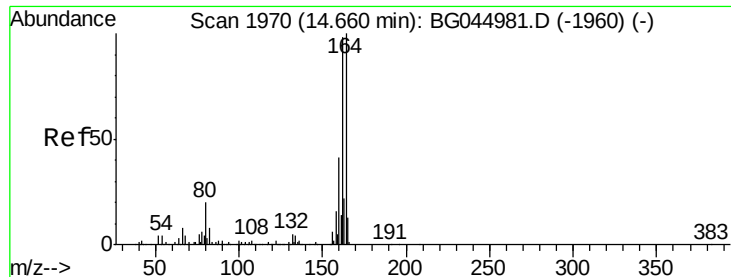
#32
 Benzoic acid
 Concen: 6.406 ng
 RT: 10.26 min Scan# 1220
 Delta R.T. 0.14 min
 Lab File: BG045243.D
 Acq: 4 May 2020 21:14

Tgt Ion	122	Resp	174
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): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 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: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

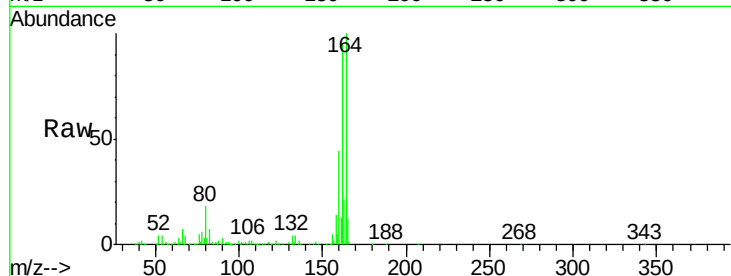
BNA_G

ClientSampleId :

SU-03-043020

Tot Ion:164 Resp: 258482

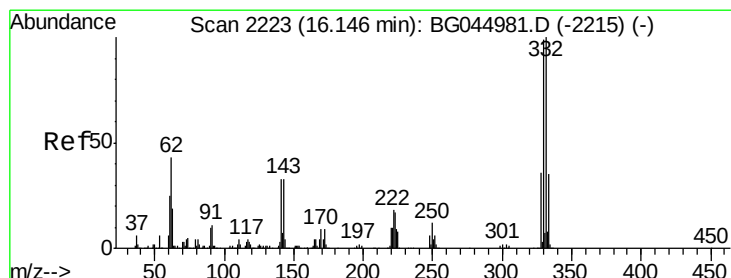
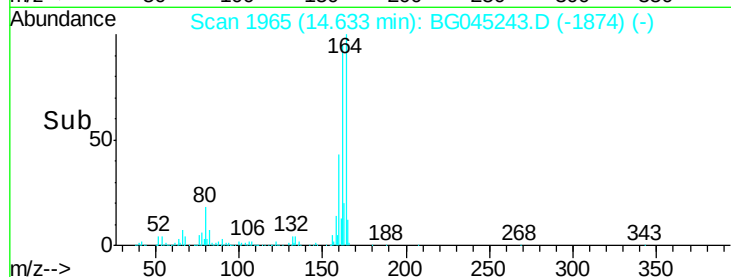
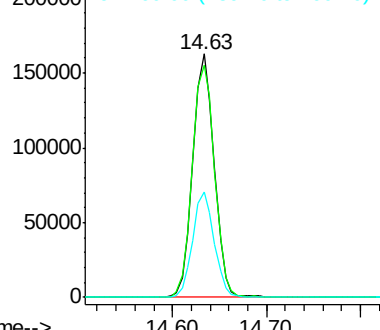
Ion	Ratio	Lower	Upper
164	100		
162	95.4	78.7	118.1
160	43.5	32.8	49.2



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: 7.304 ng

RT: 16.12 min Scan# 2218

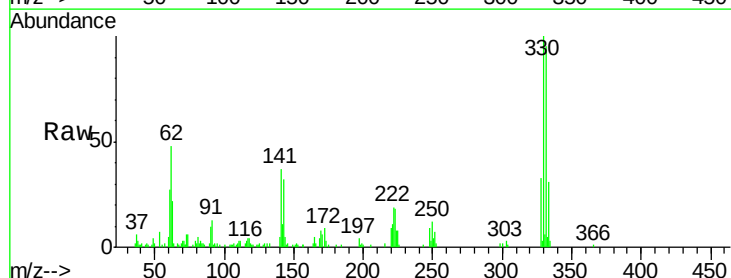
Delta R.T. -0.00 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Tgt Ion:330 Resp: 29168

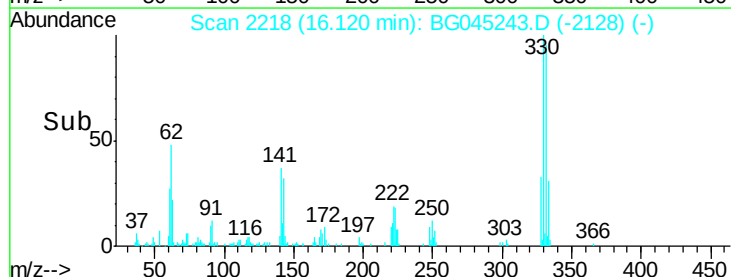
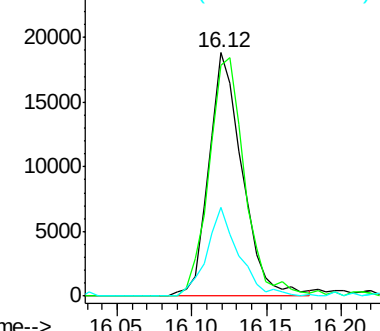
Ion	Ratio	Lower	Upper
330	100		
332	104.1	79.1	118.7
141	34.9	27.1	40.7

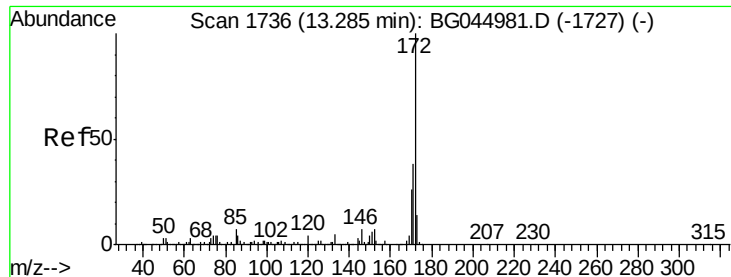


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 6.652 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.00 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

BNA_G

ClientSampleId :

SU-03-043020

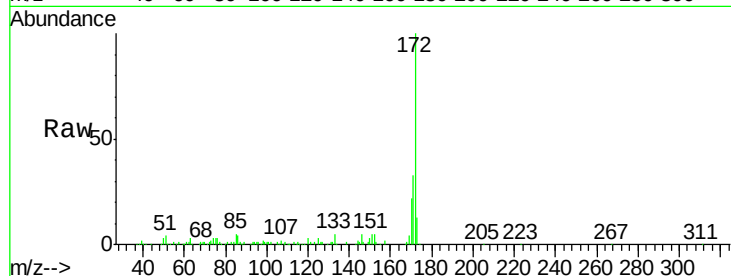
Tot Ion:172 Resp: 117263

Ion Ratio Lower Upper

172 100

171 33.4 30.6 46.0

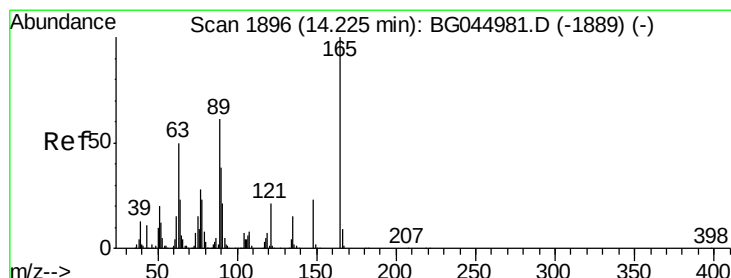
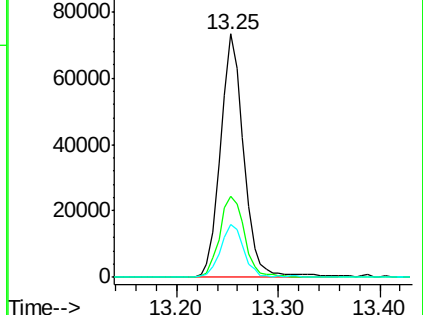
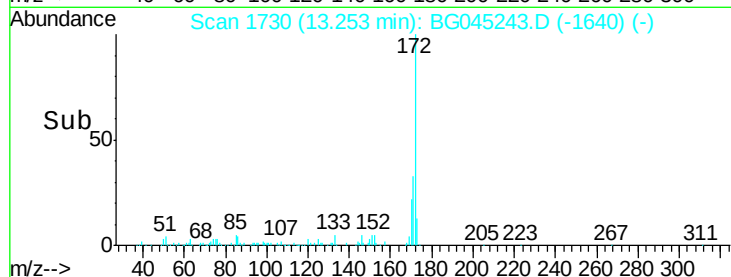
170 21.5 20.5 30.7



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: 6.917 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.43 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

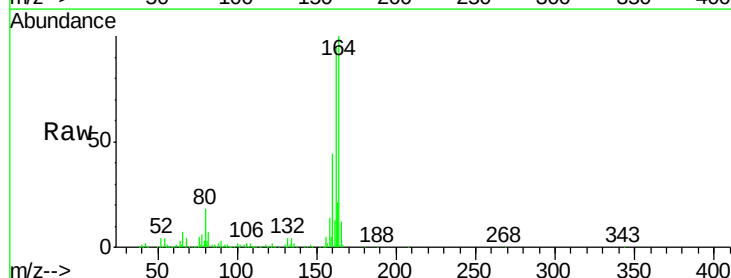
Tgt Ion:165 Resp: 32564

Ion Ratio Lower Upper

165 100

63 1.3 40.4 60.6#

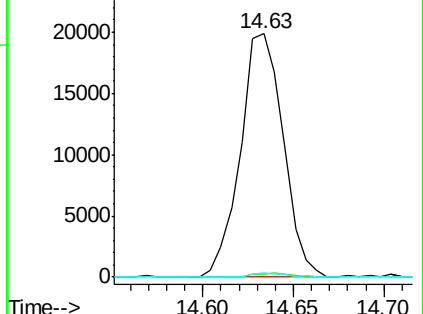
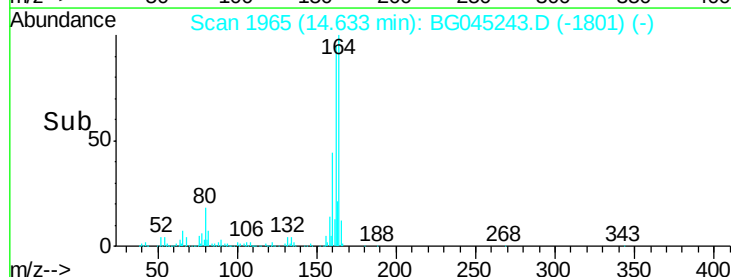
89 1.9 49.1 73.7#

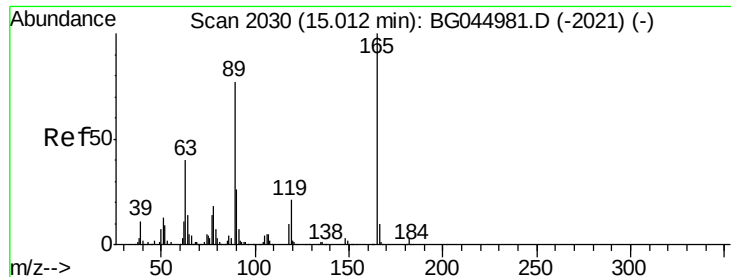


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 4.733 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

BNA_G

ClientSampleId :

SU-03-043020

Tot Ion:165 Resp: 32564

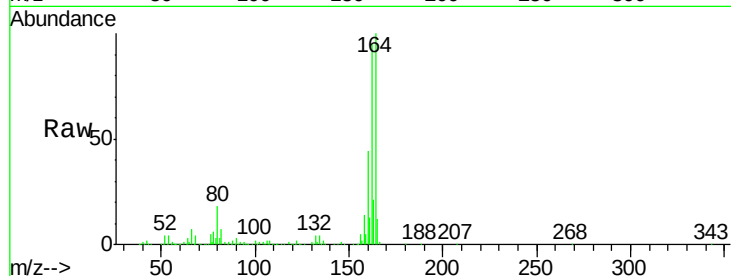
Ion Ratio Lower Upper

165 100

63 1.3 32.2 48.2#

89 1.9 61.7 92.5#

182 0.0 2.0 3.0#

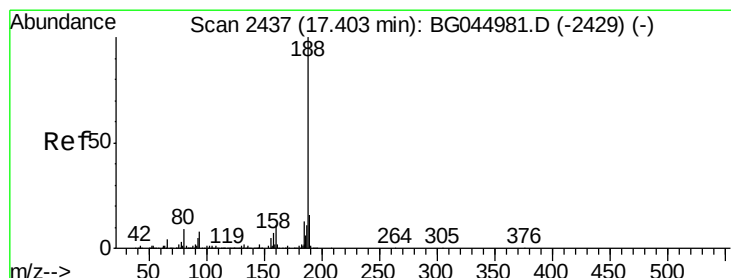
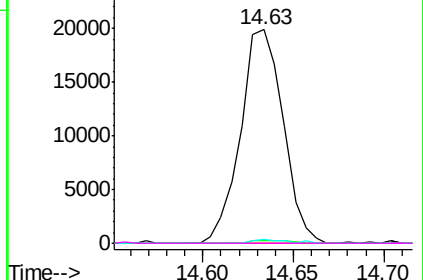
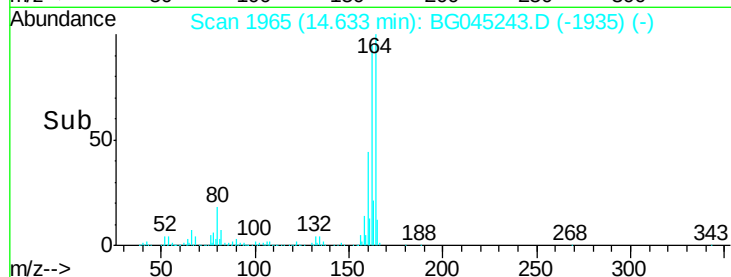


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

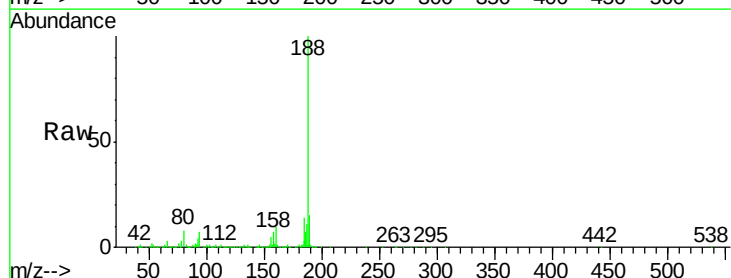
Tgt Ion:188 Resp: 532212

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

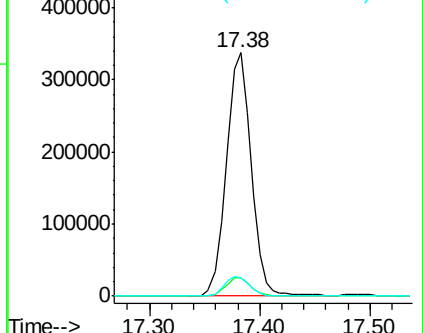
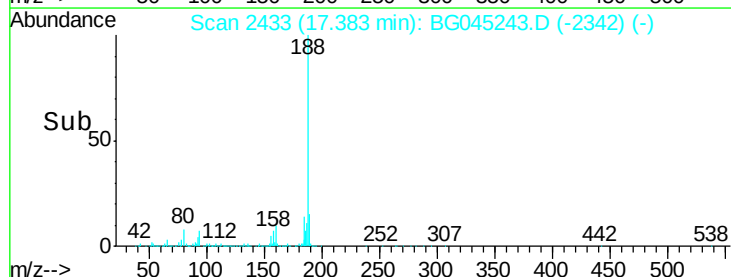
80 7.7 7.0 10.6

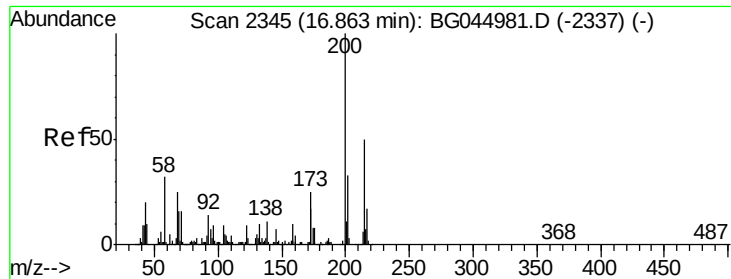


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. 0.01 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

BNA_G

ClientSampleId :

SU-03-043020

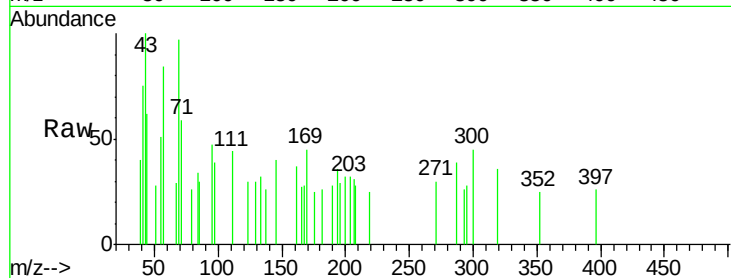
Tot Ion:200 Resp: 68

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

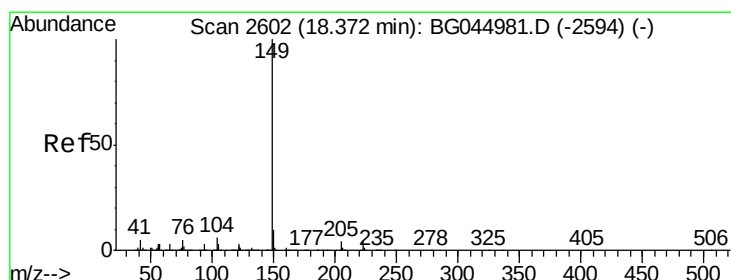
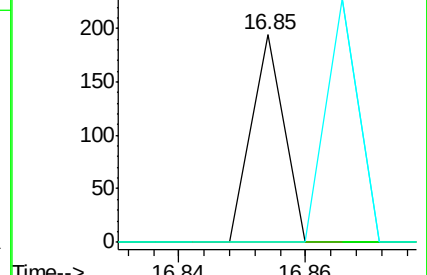
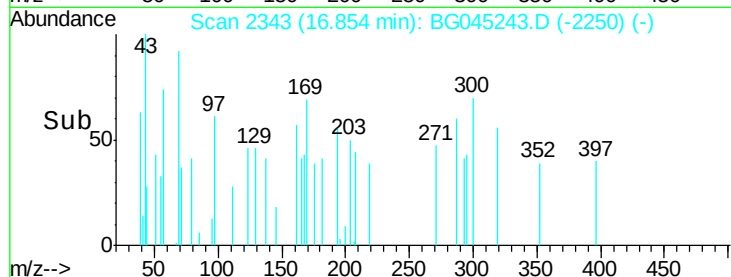
215 0.0 30.0 70.0#



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: 18.35 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

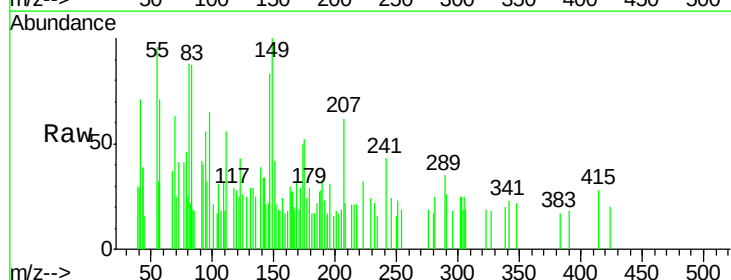
Tgt Ion:149 Resp: 1679

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

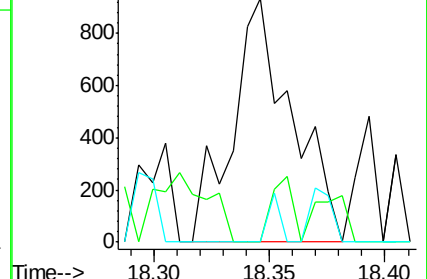
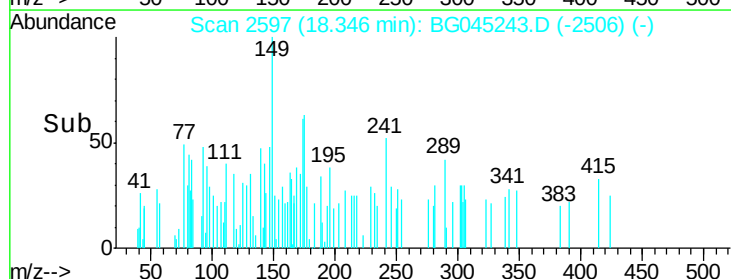
104 0.0 4.8 7.2#

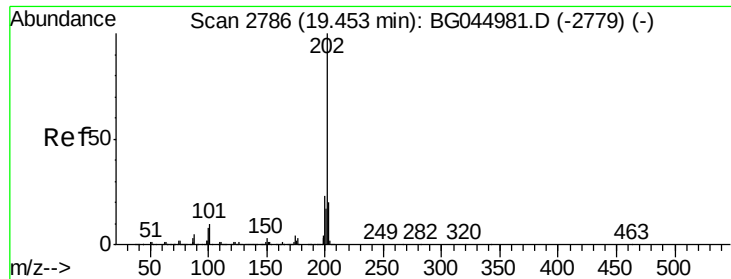


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.79 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

BNA_G

ClientSampleId :

SU-03-043020

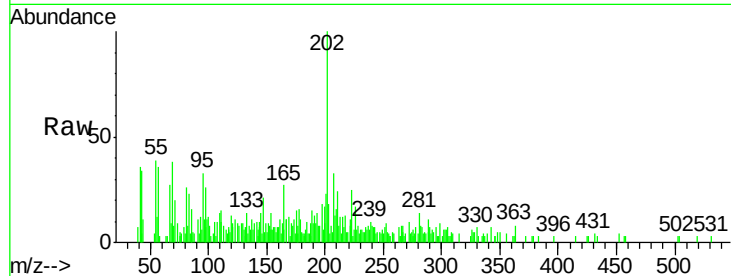
Tot Ion:202 Resp: 8024

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.6

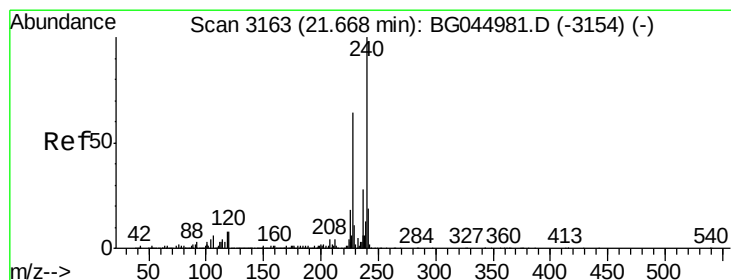
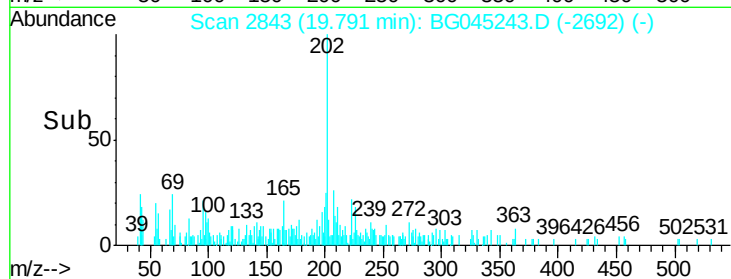
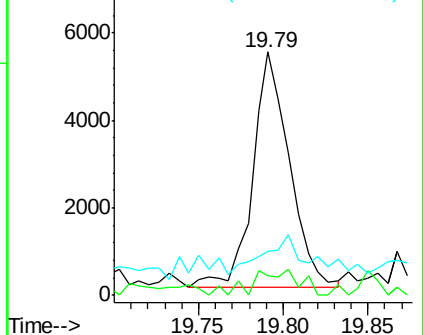
203 18.1 0.0 39.7



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: BG045243.D

Acq: 4 May 2020 21:14

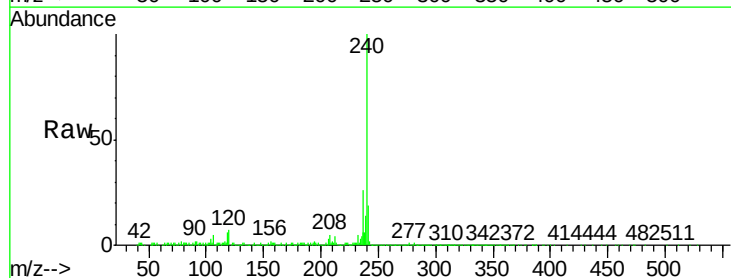
Tgt Ion:240 Resp: 445155

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

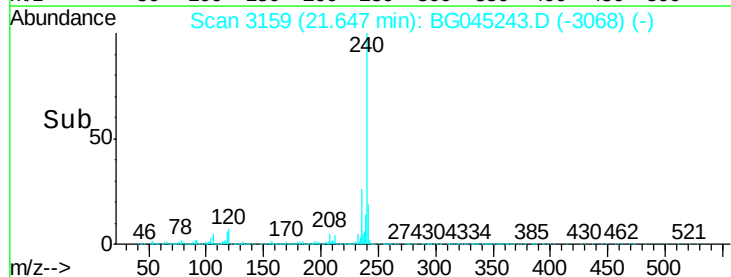
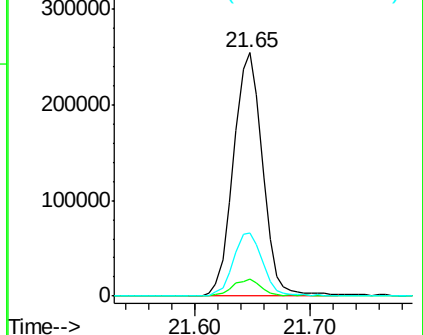
236 25.7 22.2 33.2

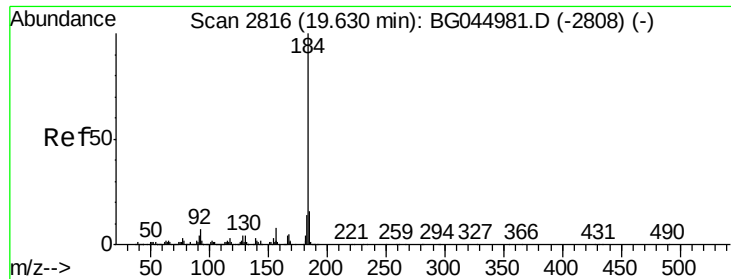


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.60 min Scan# 2810

Delta R.T. -0.01 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

Instrument :

BNA_G

ClientSampleId :

SU-03-043020

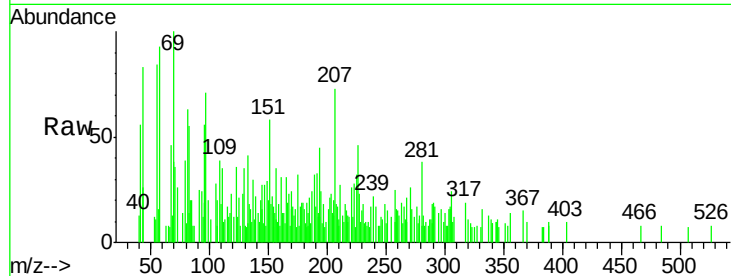
Tot Ion:184 Resp: 349

Ion Ratio Lower Upper

184 100

185 94.5 12.6 19.0#

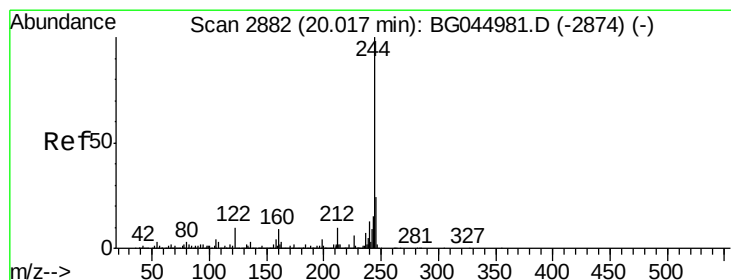
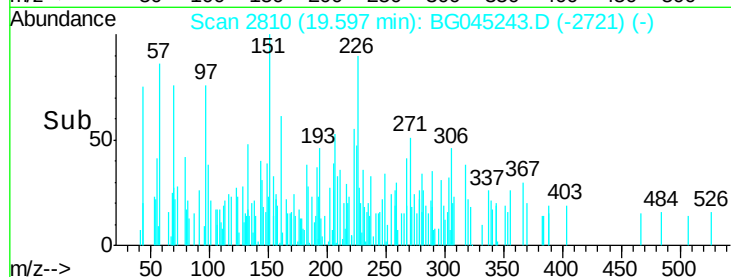
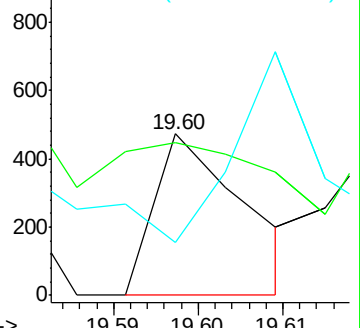
183 32.8 11.3 16.9#



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: 8.220 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045243.D

Acq: 4 May 2020 21:14

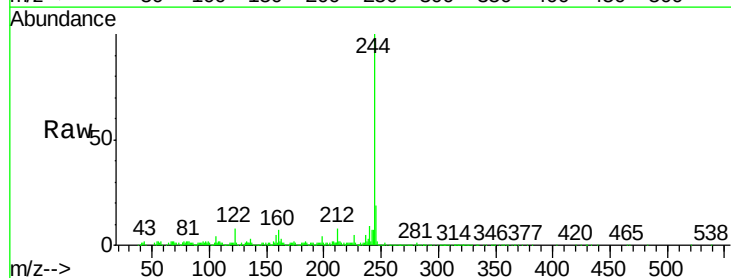
Tgt Ion:244 Resp: 167888

Ion Ratio Lower Upper

244 100

212 8.5 7.9 11.9

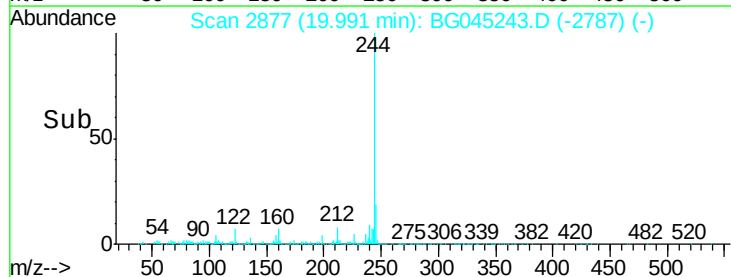
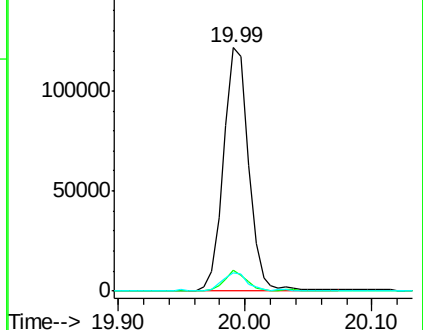
122 7.8 7.7 11.5

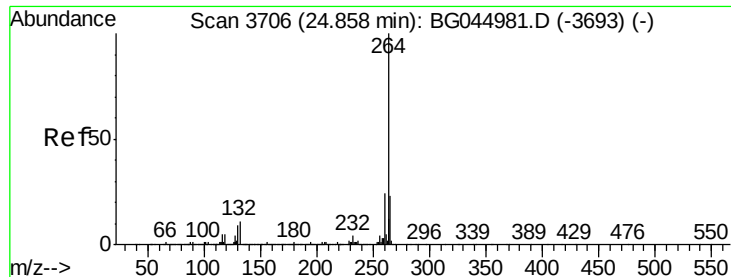


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

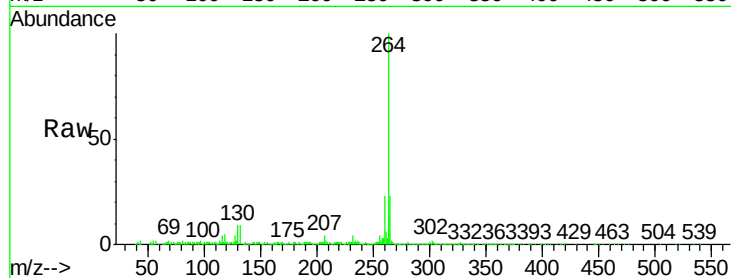




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: BG045243.D
Acq: 4 May 2020 21:14

Instrument :
BNA_G
ClientSampleId :
SU-03-043020

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	23.4	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

