

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042020\
 Data File : BG045095.D
 Acq On : 20 Apr 2020 14:25
 Operator : CG/JU
 Sample : L2324-01 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Apr 20 15:49:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 11:57:28 2020
 Response via : Initial Calibration

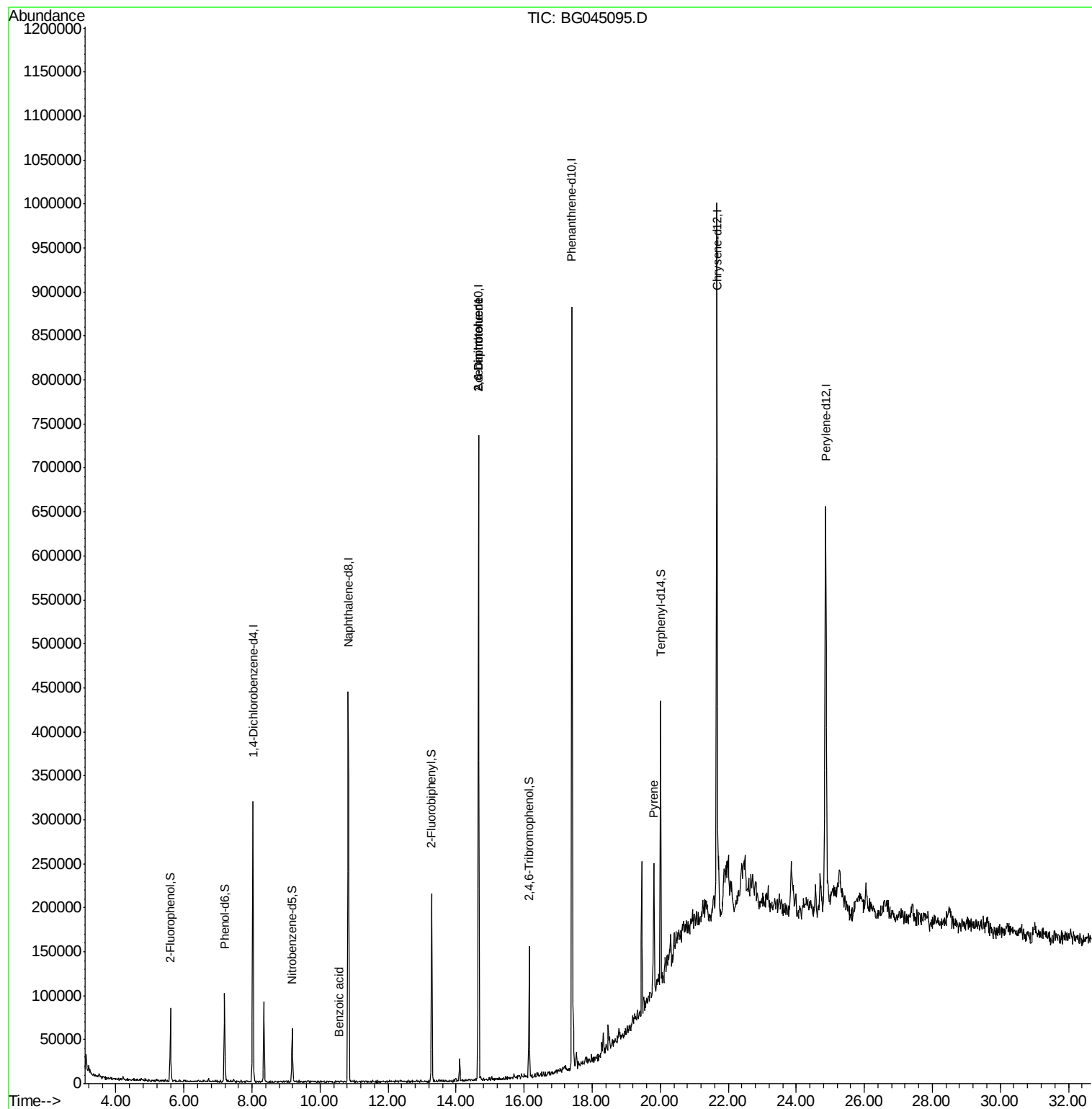
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	98028	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	413988	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	278051	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	582658	20.00	ng	0.00
76) Chrysene-d12	21.67	240	500137	20.00	ng	0.00
87) Perylene-d12	24.86	264	549810	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	41928	7.06	ng	0.00
7) Phenol-d6	7.19	99	66578	7.55	ng	0.00
23) Nitrobenzene-d5	9.18	82	44217	4.87	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	29763	6.93	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	111864	5.90	ng	0.00
79) Terphenyl-d14	20.01	244	156536	6.82	ng	0.00
Target Compounds						
9) Benzaldehyde	7.21	77	54	Below Cal	#	4
32) Benzoic acid	10.55	122	70	6.386 ng	#	1
51) 2,6-Dinitrotoluene	14.65	165	38556	7.614 ng	#	25
57) 2,4-Dinitrotoluene	14.65	165	38556	5.210 ng	#	23
69) Atrazine	16.82	200	60	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1509	Below Cal	#	35
75) Fluoranthene	19.45	202	109938	Below Cal	#	97
77) Benzidine	19.63	184	242	Below Cal	#	1
78) Pyrene	19.81	202	100288	2.909 ng	#	96

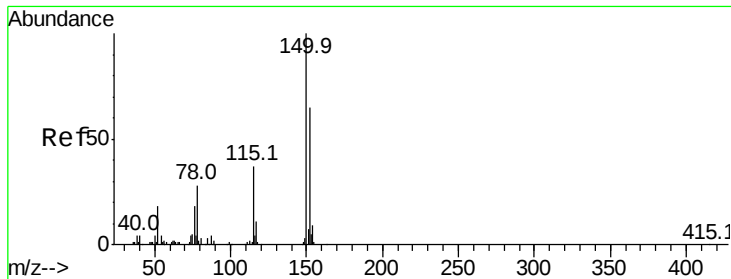
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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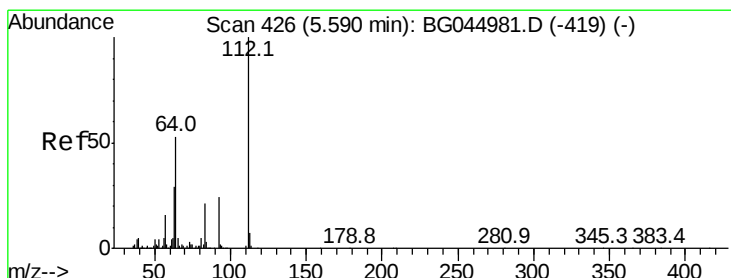
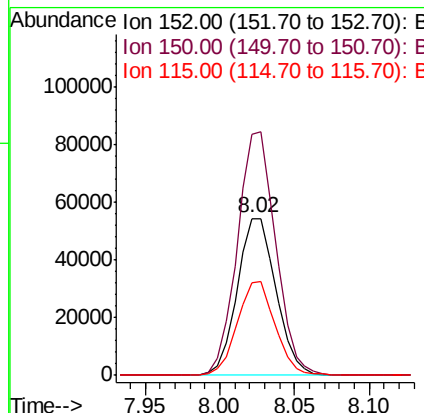
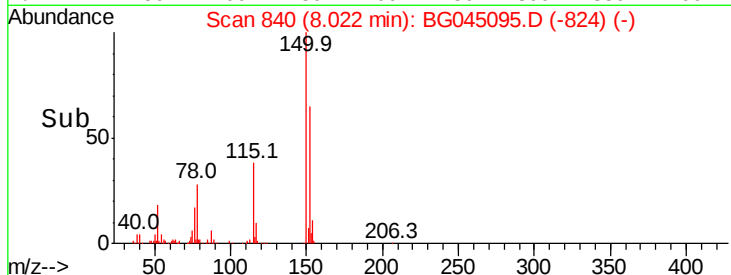
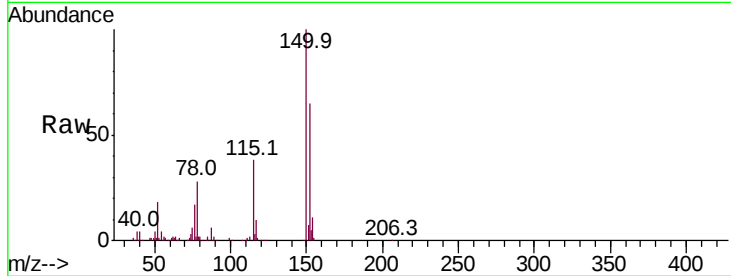




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG045095.D
 Acq: 20 Apr 2020 14:25

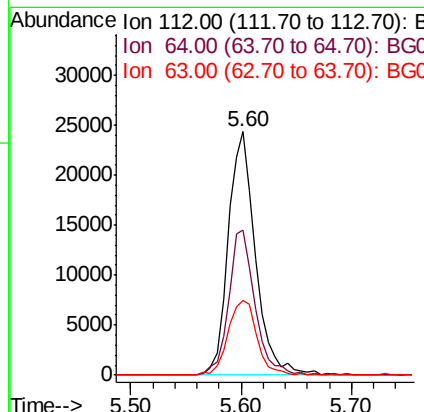
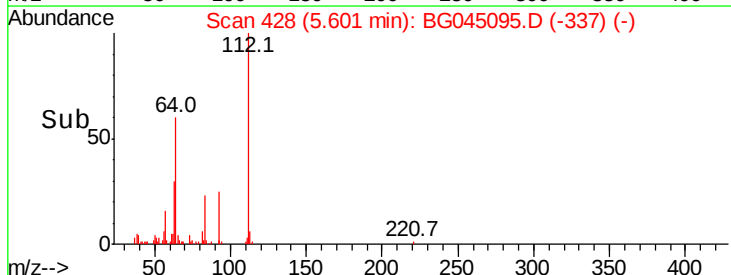
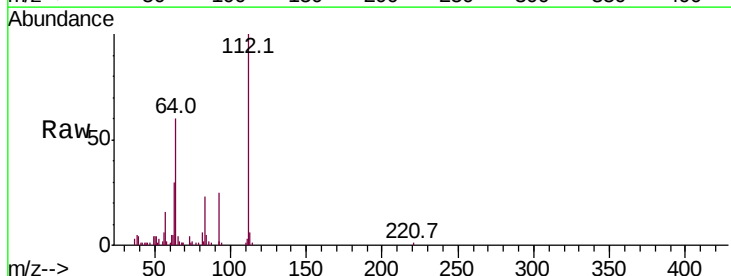
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

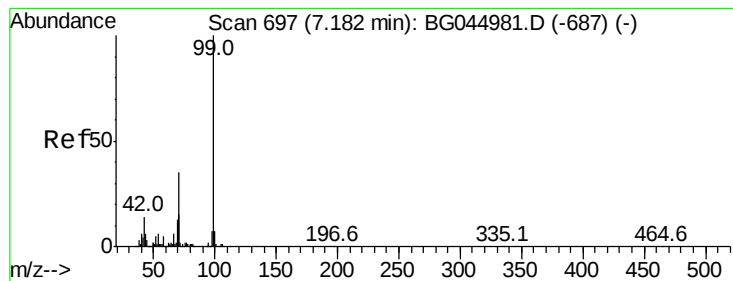
Tot Ion:	152	Resp:	98028
Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.6	185.4
115	58.9	49.1	73.7



#5
 2-Fluorophenol
 Concen: 7.061 ng
 RT: 5.60 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BG045095.D
 Acq: 20 Apr 2020 14:25

Tgt Ion:	112	Resp:	41928
Ion	Ratio	Lower	Upper
112	100		
64	59.7	42.4	63.6
63	30.5	23.1	34.7





#7

Phenol-d6

Concen: 7.547 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Instrument :

BNA_G

ClientSampleId :

WC-1

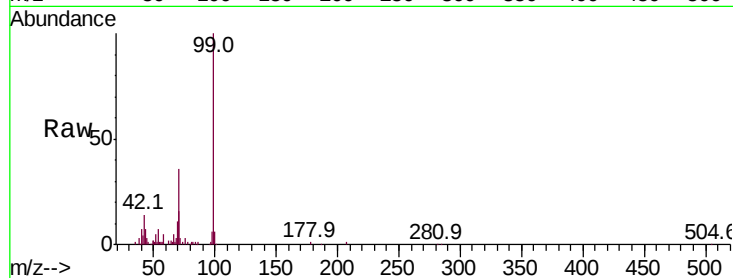
Tot Ion: 99 Resp: 66578

Ion Ratio Lower Upper

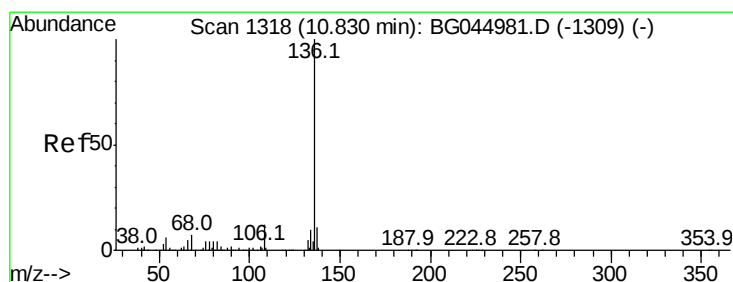
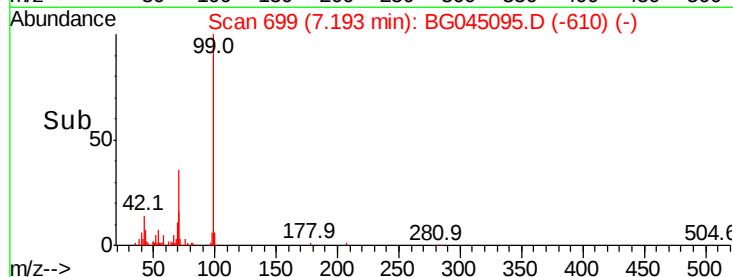
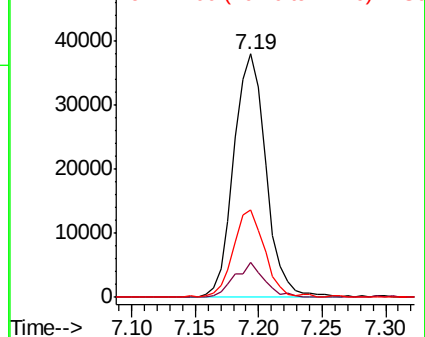
99 100

42 14.2 11.3 16.9

71 36.2 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: 10.84 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Tgt Ion: 136 Resp: 413988

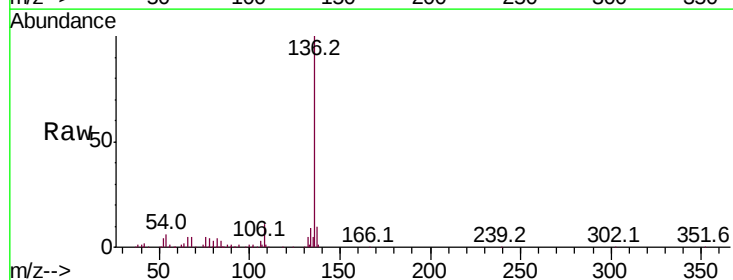
Ion Ratio Lower Upper

136 100

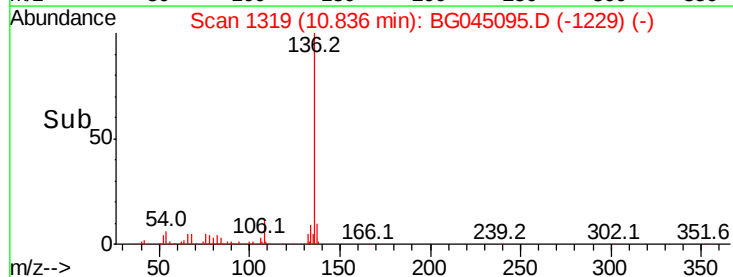
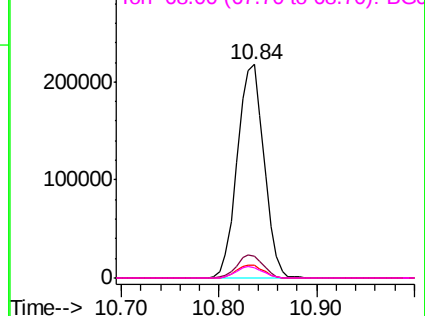
137 10.4 8.6 13.0

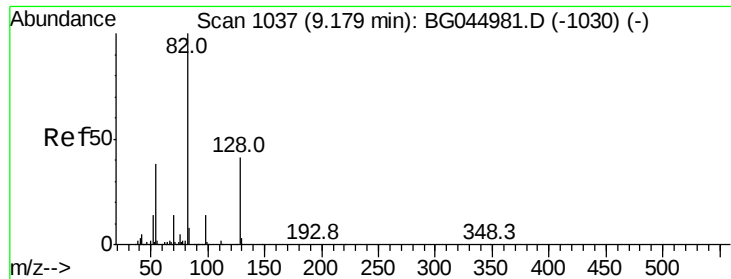
54 5.8 4.8 7.2

68 4.7 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

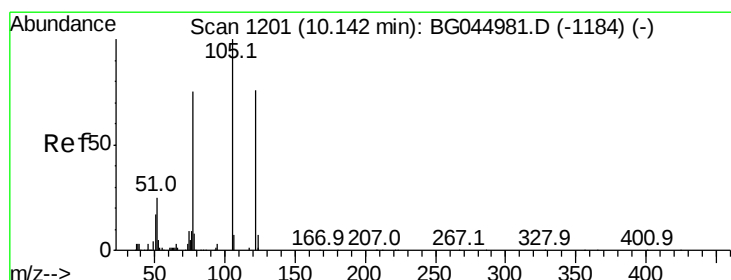
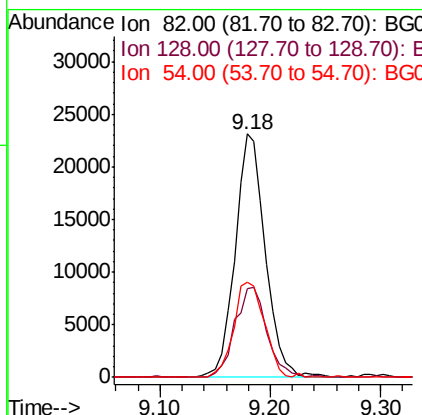
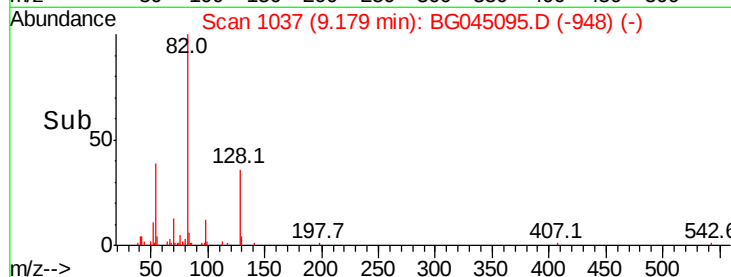
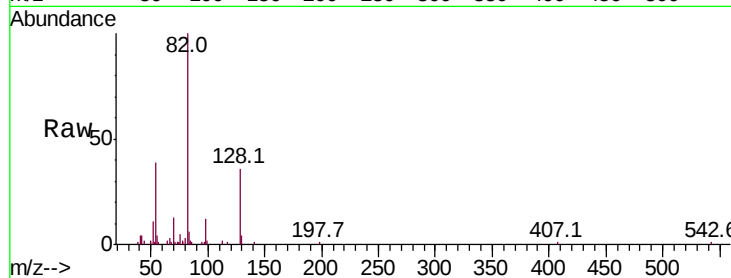




#23
Nitrobenzene-d5
Concen: 4.873 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG045095.D
Acq: 20 Apr 2020 14:25

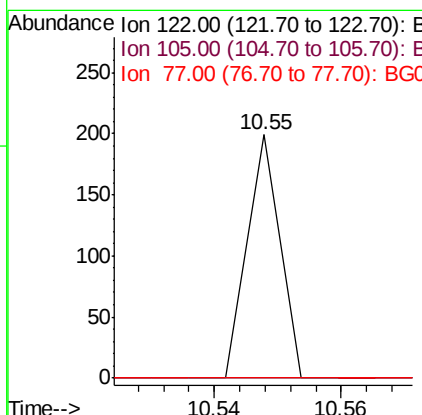
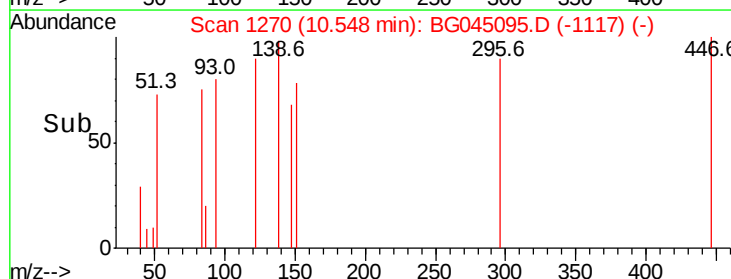
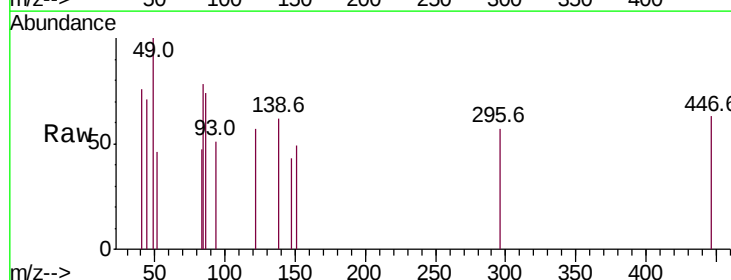
Instrument :
BNA_G
ClientSampleId :
WC-1

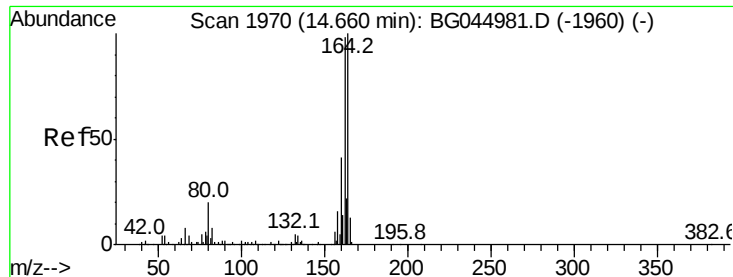
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.4	33.0	49.4
54	38.9	30.4	45.6



#32
Benzoic acid
Concen: 6.386 ng
RT: 10.55 min Scan# 1270
Delta R.T. 0.37 min
Lab File: BG045095.D
Acq: 20 Apr 2020 14:25

Tgt 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: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Instrument :

BNA_G

ClientSampleId :

WC-1

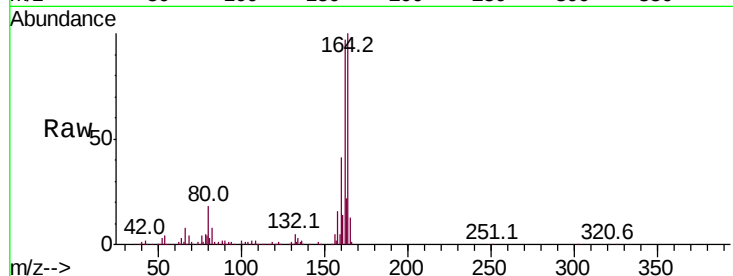
Tot Ion:164 Resp: 278051

Ion Ratio Lower Upper

164 100

162 96.9 78.7 118.1

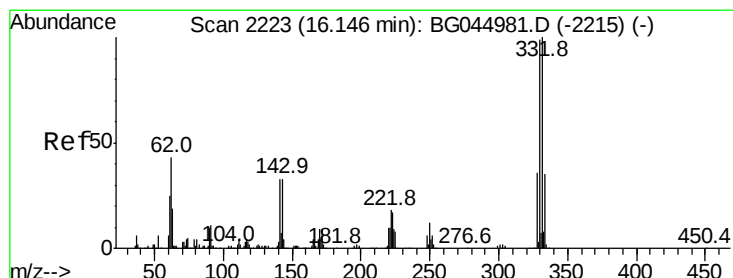
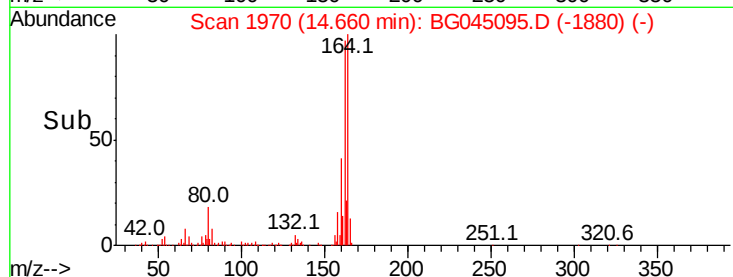
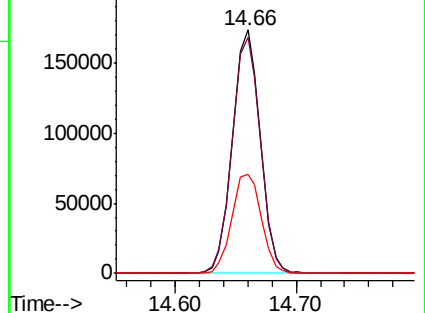
160 40.6 32.8 49.2



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



#42

2,4,6-Tribromophenol

Concen: 6.929 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

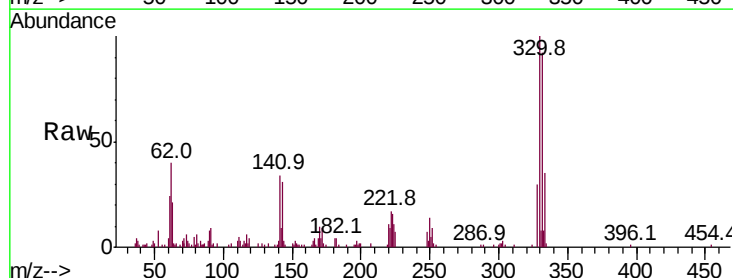
Tgt Ion:330 Resp: 29763

Ion Ratio Lower Upper

330 100

332 99.4 79.1 118.7

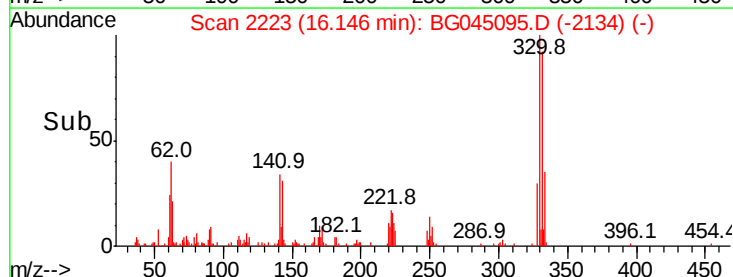
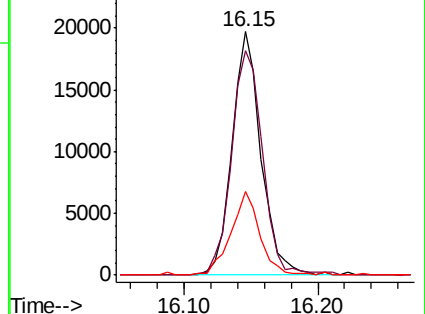
141 34.5 27.1 40.7

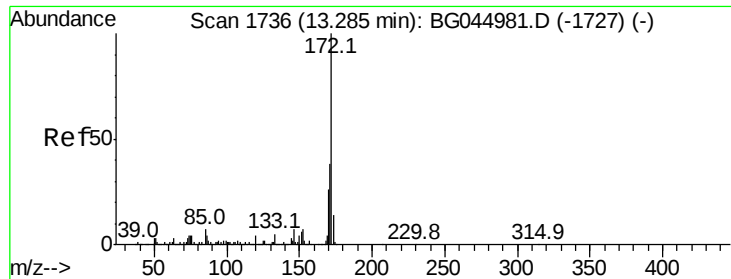


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

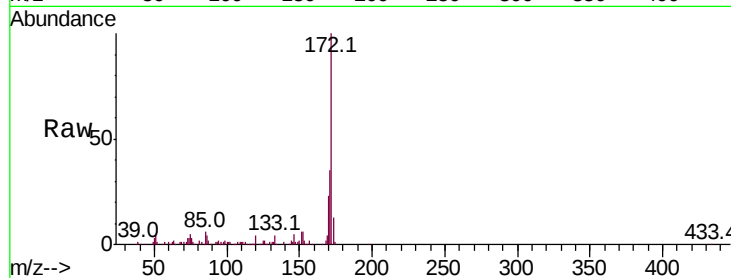




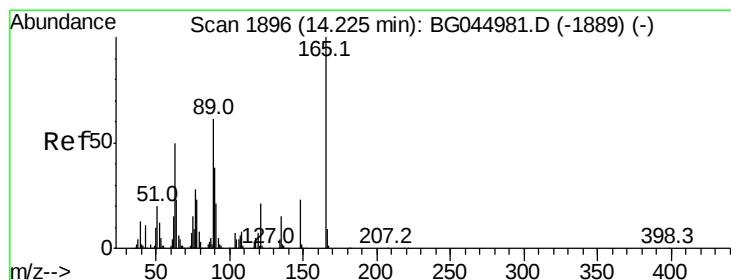
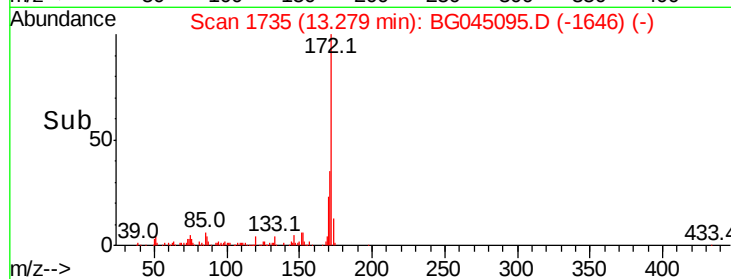
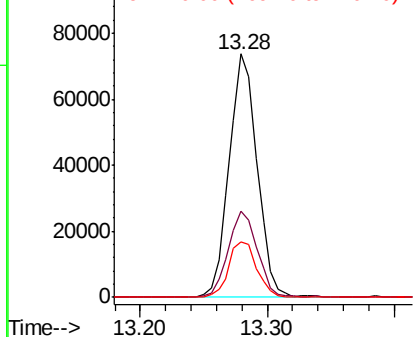
#45
2-Fluorobiphenyl
Concen: 5.899 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG045095.D
Acq: 20 Apr 2020 14:25

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.6	46.0
170	23.0	20.5	30.7

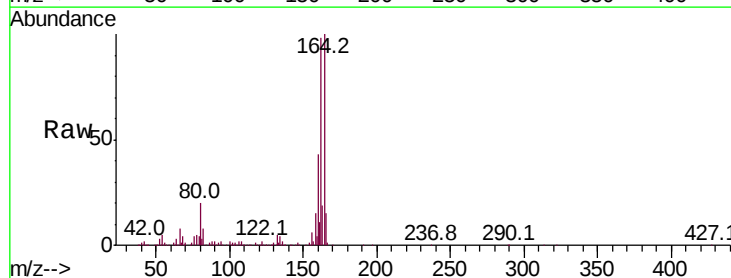


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

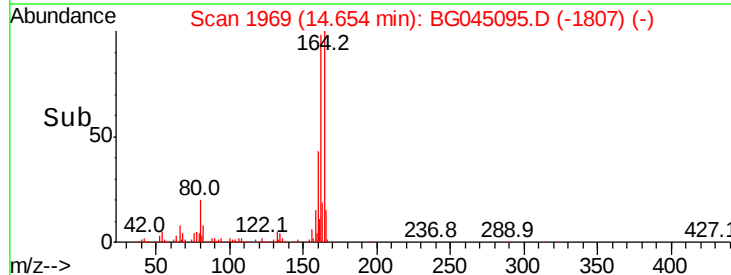
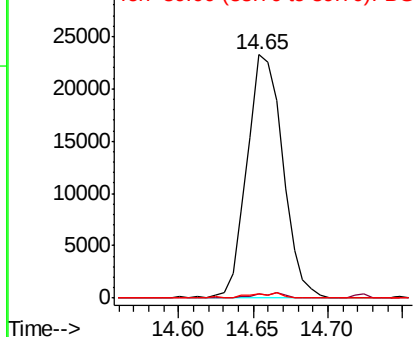


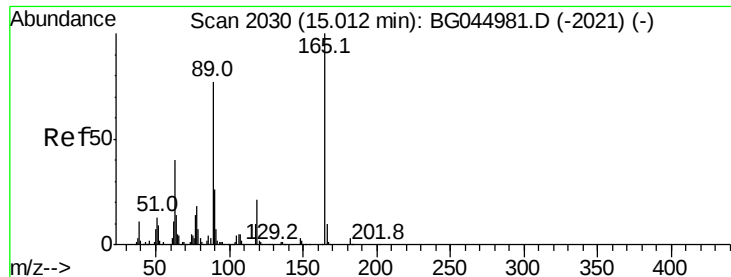
#51
2,6-Dinitrotoluene
Concen: 7.614 ng
RT: 14.65 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG045095.D
Acq: 20 Apr 2020 14:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.4	60.6#
89	1.6	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

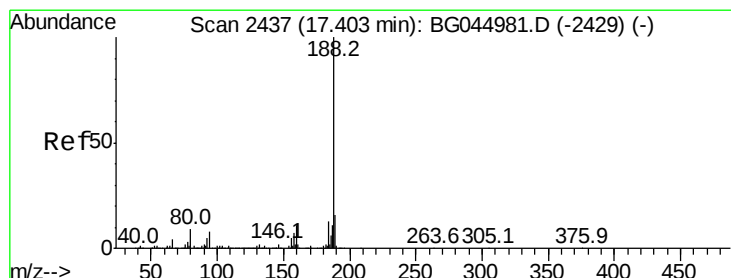
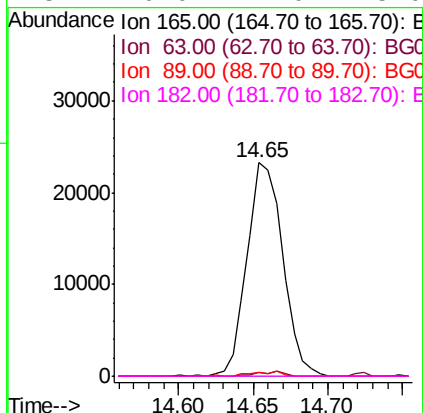
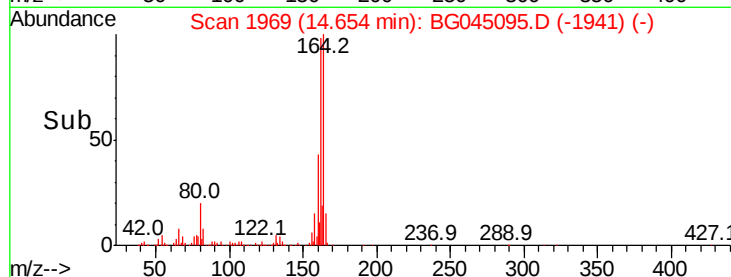
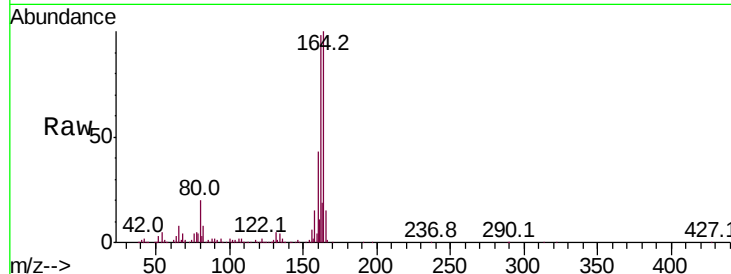




#57
 2,4-Dinitrotoluene
 Concen: 5.210 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG045095.D
 Acq: 20 Apr 2020 14:25

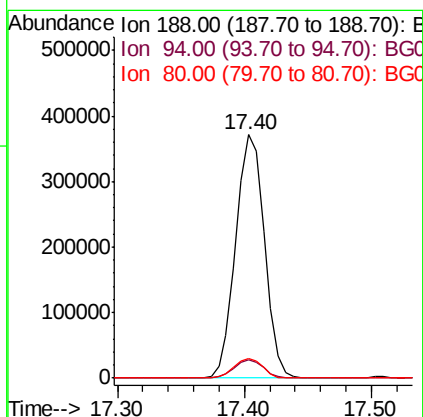
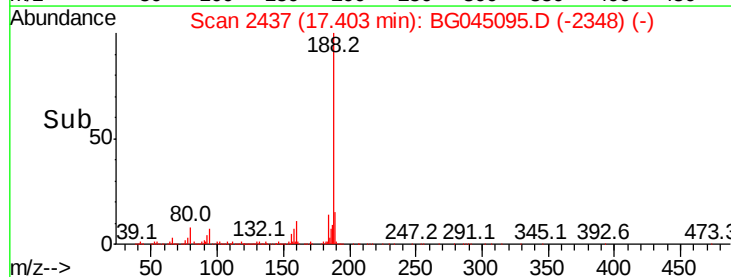
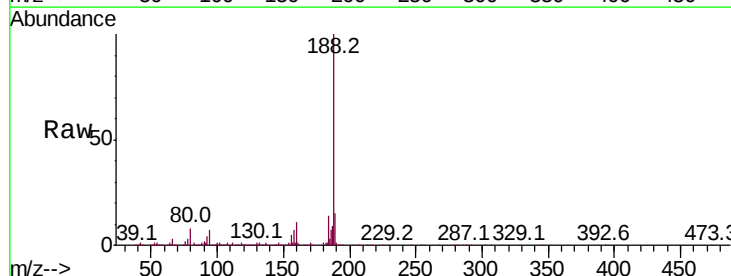
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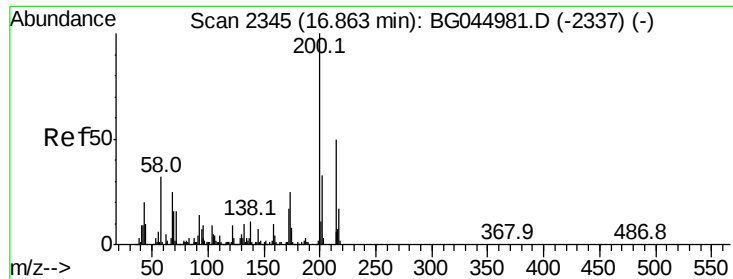
Tot Ion:165 Resp: 38556
 Ion Ratio Lower Upper
 165 100
 63 1.5 32.2 48.2#
 89 1.6 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG045095.D
 Acq: 20 Apr 2020 14:25

Tgt Ion:188 Resp: 582658
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.2 9.4
 80 8.1 7.0 10.6





#69

Atrazine

Concen: Below Cal

RT: 16.82 min Scan# 2338

Delta R.T. -0.04 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Instrument :

BNA_G

ClientSampleId :

WC-1

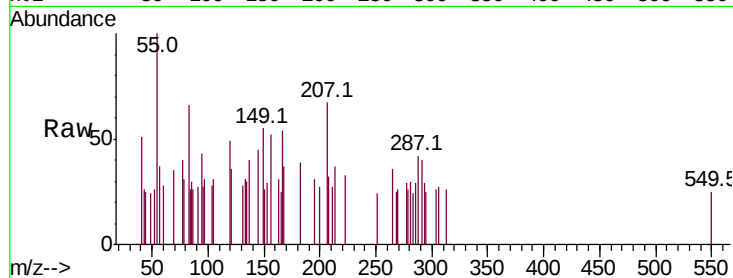
Tot Ion:200 Resp: 60

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

250

200

150

100

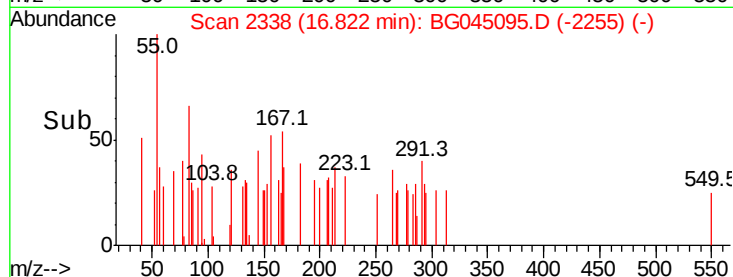
50

0

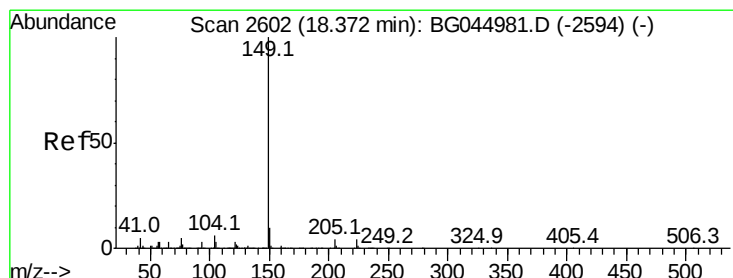
16.80

16.82

16.84



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

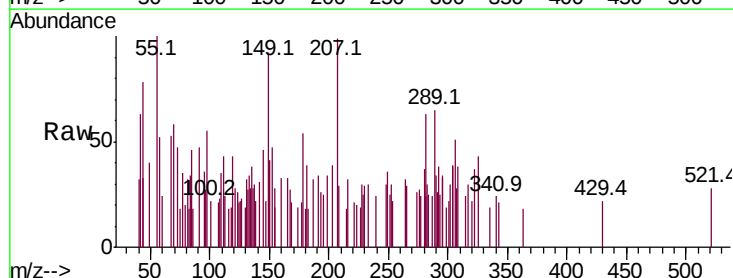
Tgt Ion:149 Resp: 1509

Ion Ratio Lower Upper

149 100

150 44.6 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

1000

800

600

400

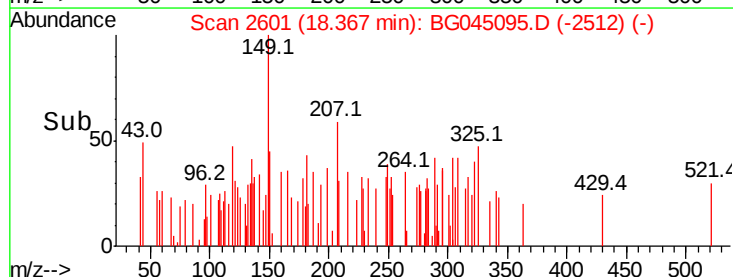
200

0

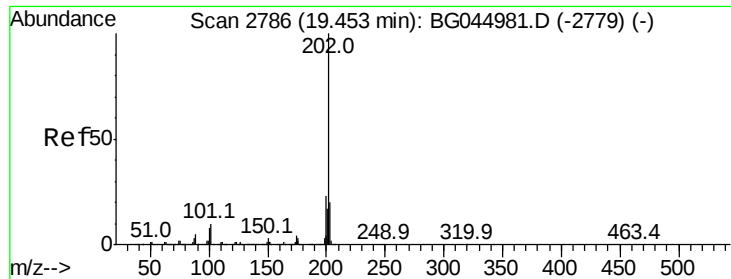
18.30

18.35

18.40



Time-->



#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Instrument :

BNA_G

ClientSampled :

WC-1

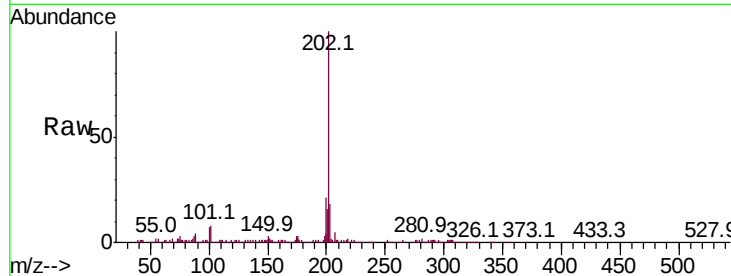
Tot Ion:202 Resp: 109938

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.6

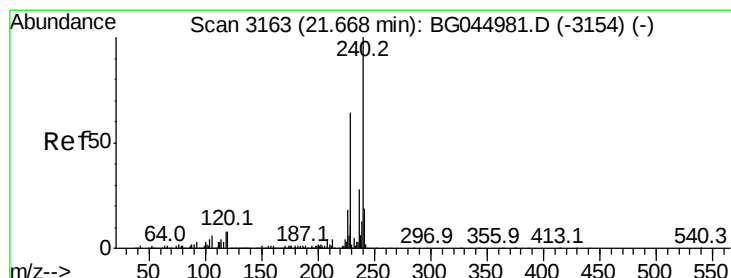
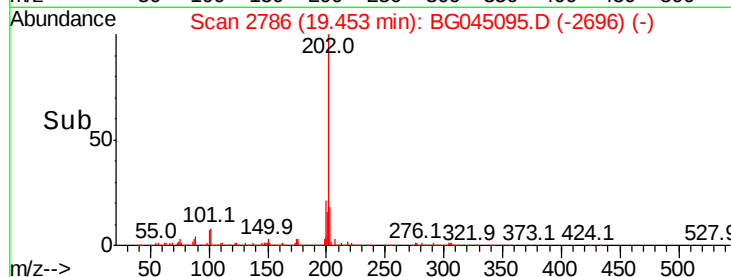
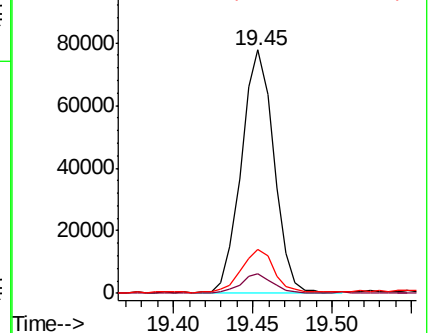
203 18.2 0.0 39.7



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: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

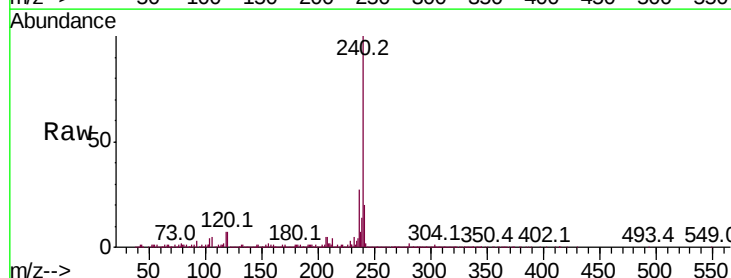
Tgt Ion:240 Resp: 500137

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

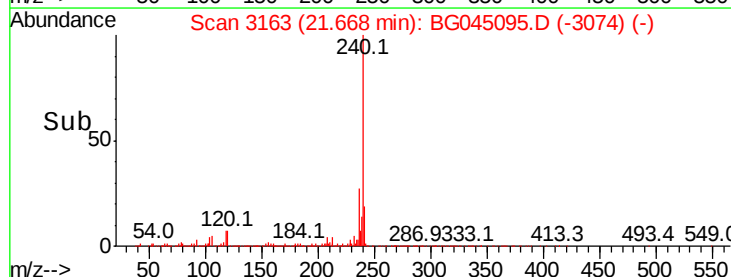
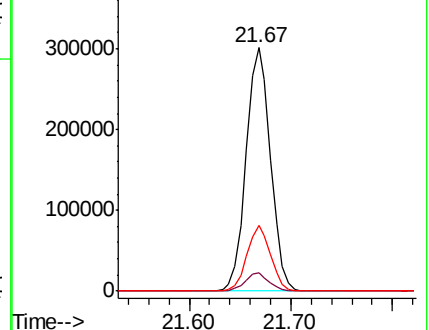
236 26.8 22.2 33.2

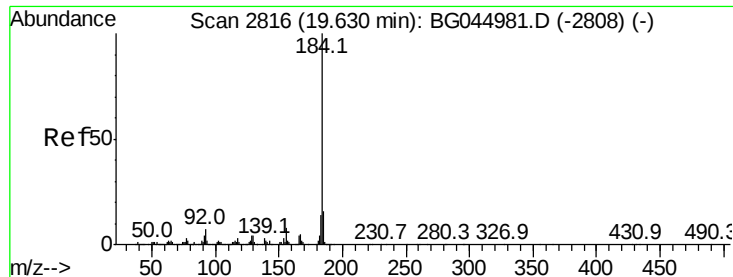


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.63 min Scan# 2816

Delta R.T. -0.00 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Instrument :

BNA_G

ClientSampled :

WC-1

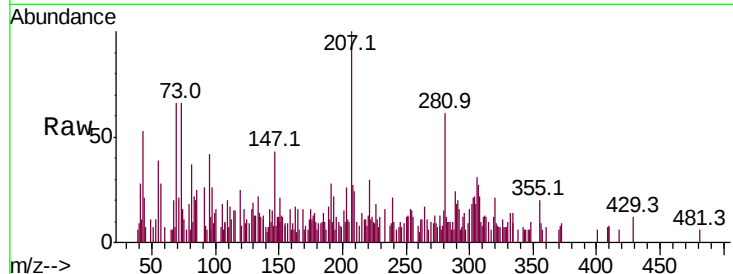
Tot Ion:184 Resp: 242

Ion Ratio Lower Upper

184 100

185 140.9 12.6 19.0#

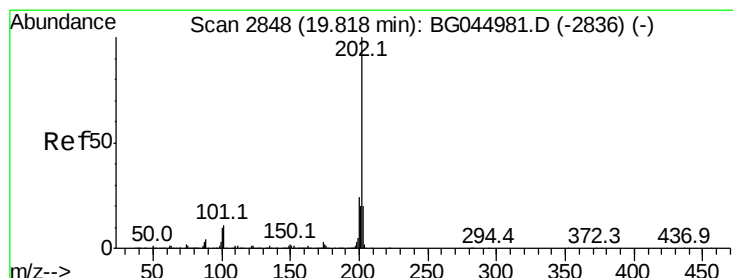
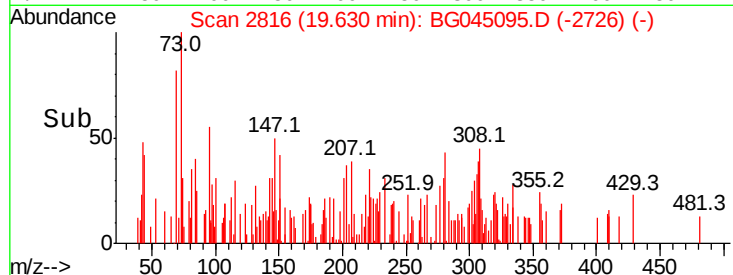
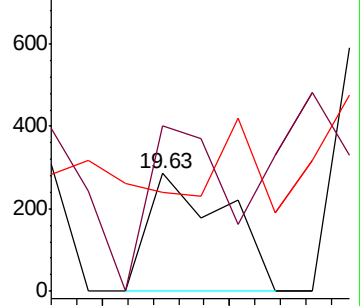
183 84.3 11.3 16.9#



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



#78

Pyrene

Concen: 2.909 ng

RT: 19.81 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

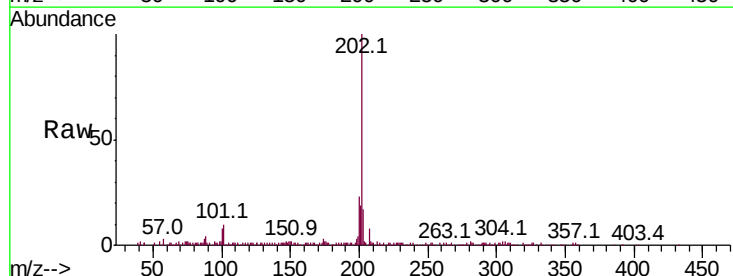
Tgt Ion:202 Resp: 100288

Ion Ratio Lower Upper

202 100

200 23.0 19.0 28.6

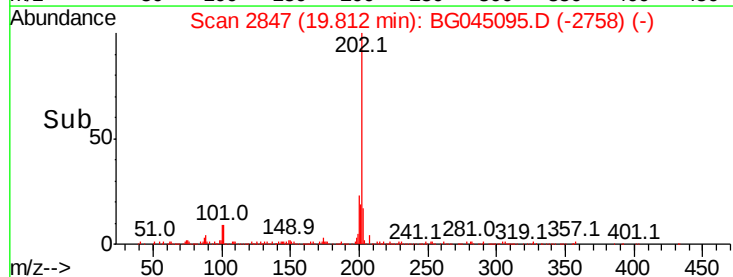
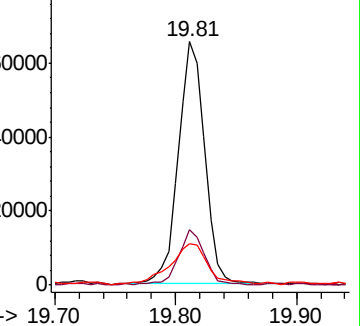
203 17.3 16.1 24.1

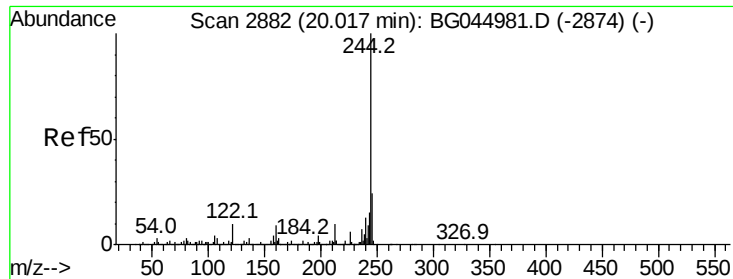


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 6.822 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

Instrument :

BNA_G

ClientSampleId :

WC-1

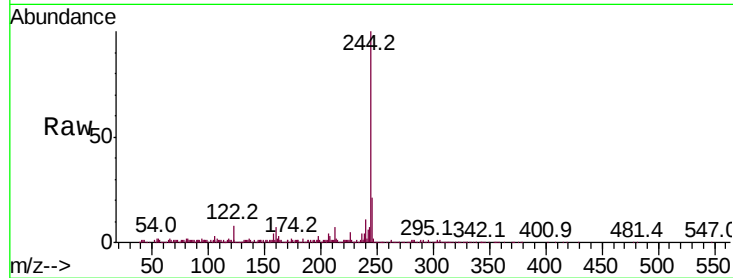
Tot Ion:244 Resp: 156536

Ion Ratio Lower Upper

244 100

212 7.3 7.9 11.9#

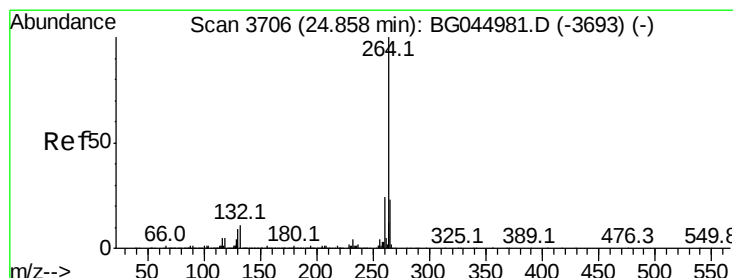
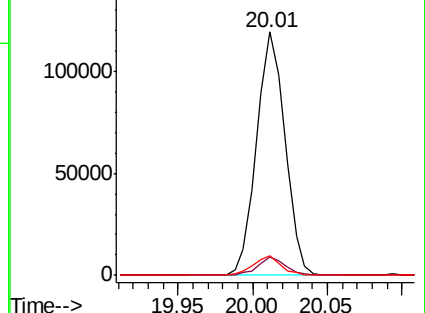
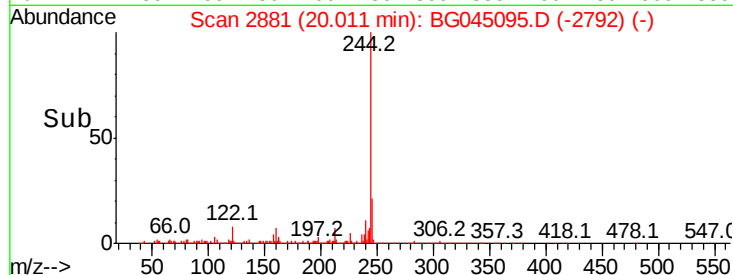
122 8.0 7.7 11.5



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: 24.86 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG045095.D

Acq: 20 Apr 2020 14:25

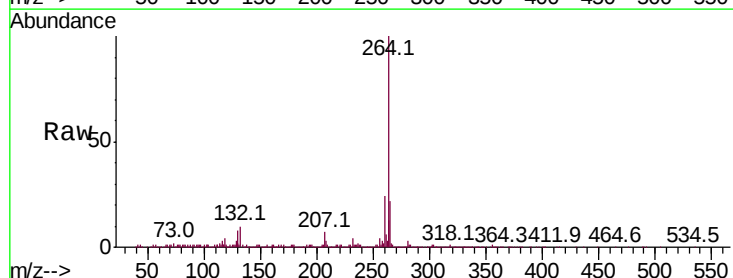
Tgt Ion:264 Resp: 549810

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.8 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

