

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042020\
 Data File : BG045091.D
 Acq On : 20 Apr 2020 11:47
 Operator : CG/JU
 Sample : 12304-01dl 10x
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-B1DL

Quant Time: Apr 20 12:26:41 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

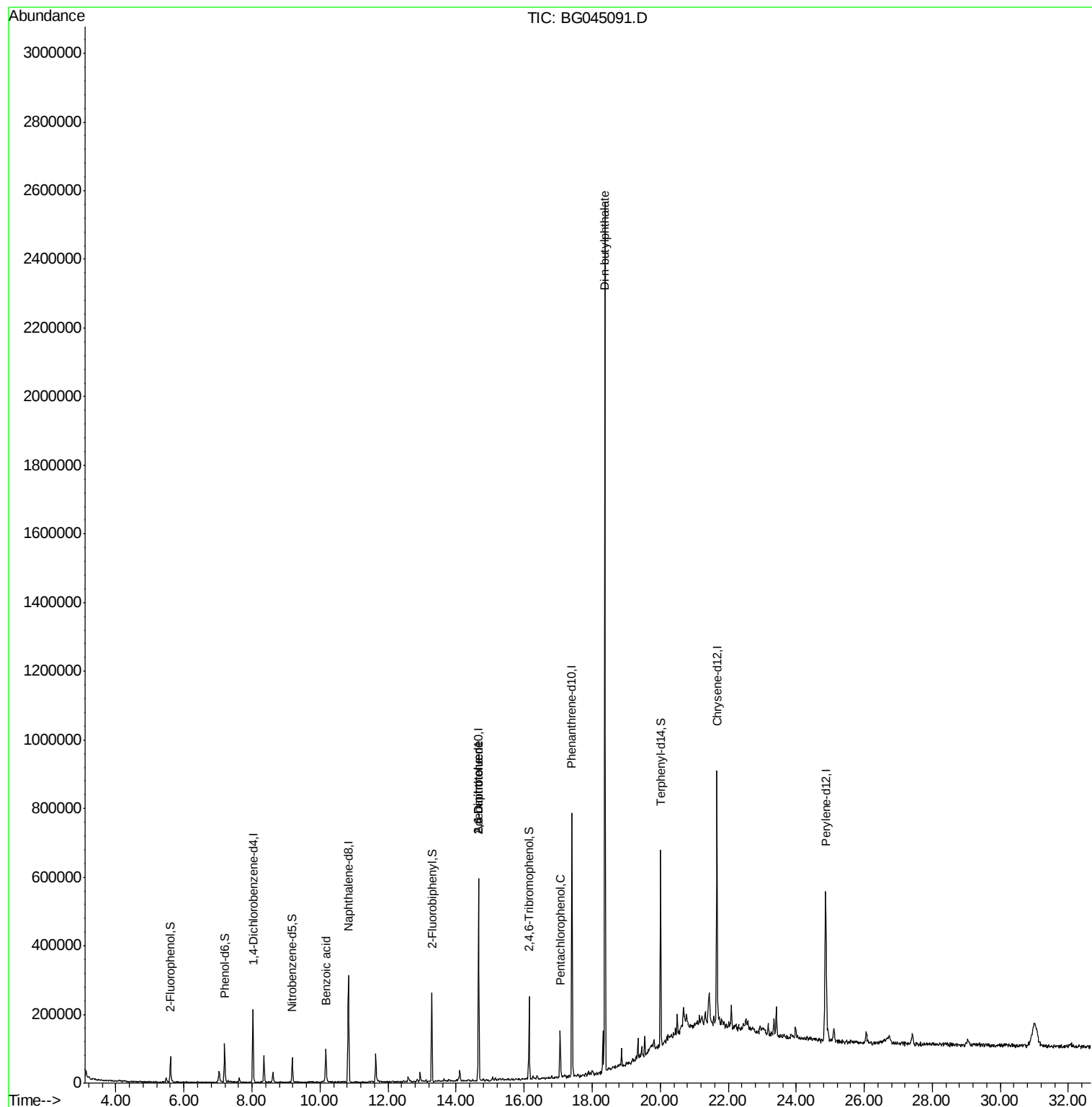
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	63311	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	278670	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	216206	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	508026	20.00	ng	0.00
76) Chrysene-d12	21.67	240	451425	20.00	ng	0.00
87) Perylene-d12	24.86	264	494553	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	38778	10.11	ng	0.00
7) Phenol-d6	7.19	99	76607	13.45	ng	0.00
23) Nitrobenzene-d5	9.19	82	52179	8.54	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	49537	14.83	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	140480	9.53	ng	0.00
79) Terphenyl-d14	20.01	244	270408	13.06	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	56	Below Cal	#	4
32) Benzoic acid	10.18	122	86	6.395 ng	#	1
51) 2,6-Dinitrotoluene	14.66	165	28165	7.153 ng	#	25
57) 2,4-Dinitrotoluene	14.66	165	28165	4.895 ng	#	23
69) Atrazine	16.86	200	165	Below Cal	#	1
70) Pentachlorophenol	17.06	266	28533	6.843 ng		99
74) Di-n-butylphthalate	18.37	149	1847850	66.821 ng	#	98
75) Fluoranthene	19.45	202	18435	Below Cal		92
77) Benzydine	19.63	184	1076	Below Cal	#	1

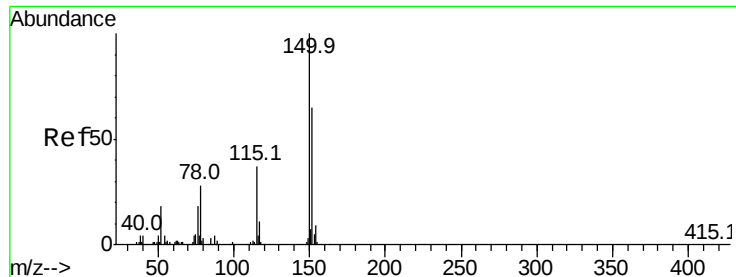
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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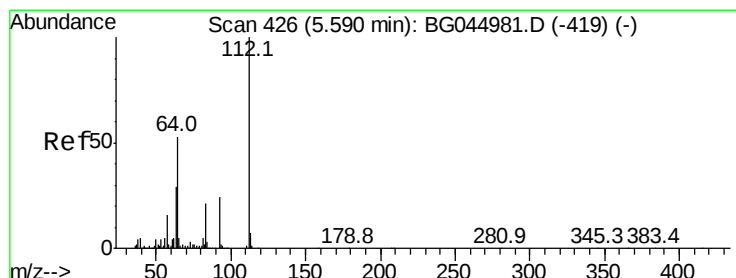
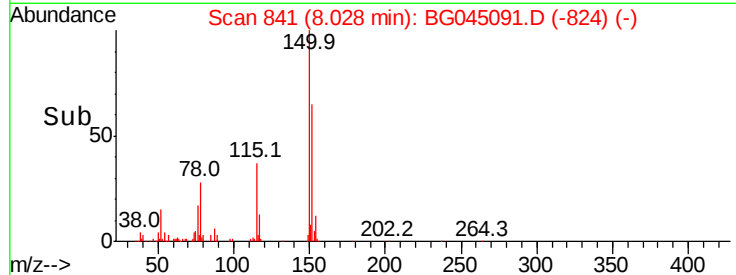
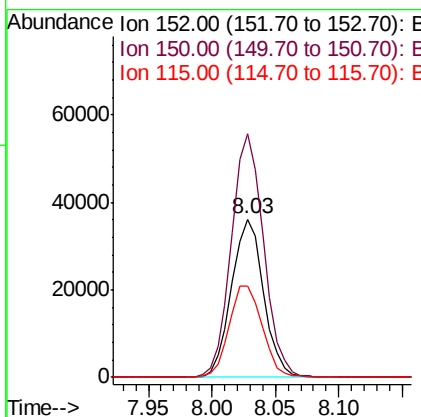
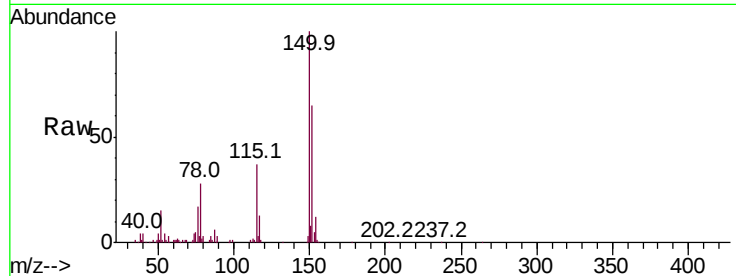




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

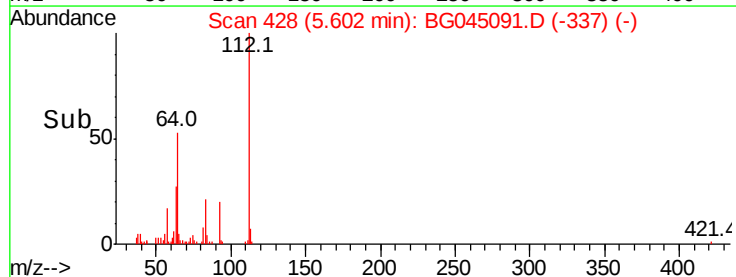
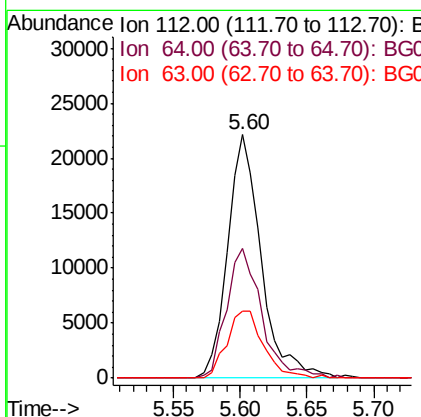
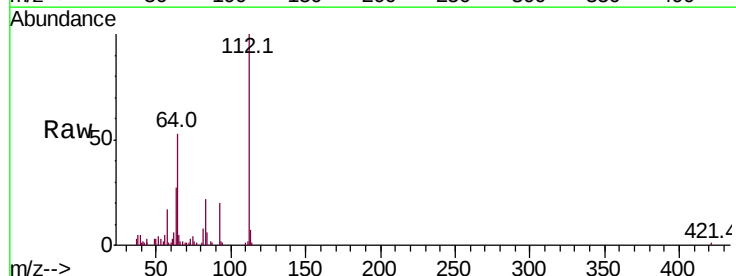
Instrument :
 BNA_G
 ClientSampleId :
 WC-B1DL

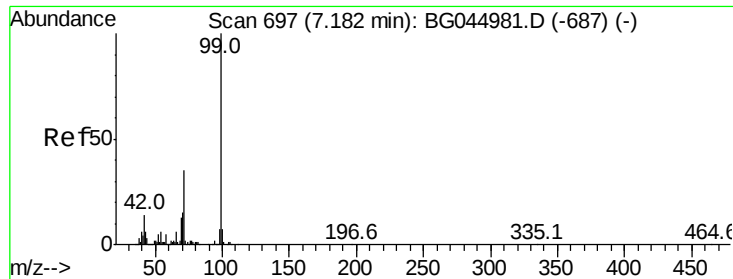
Tot Ion:	152	Resp:	63311
Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.6	185.4
115	57.3	49.1	73.7



#5
 2-Fluorophenol
 Concen: 10.112 ng
 RT: 5.60 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

Tgt Ion:	112	Resp:	38778
Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.4	63.6
63	27.4	23.1	34.7





#7

Phenol-d6

Concen: 13.445 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

Instrument :

BNA_G

ClientSampleId :

WC-B1DL

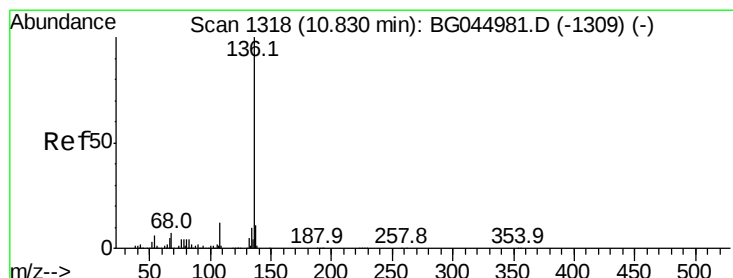
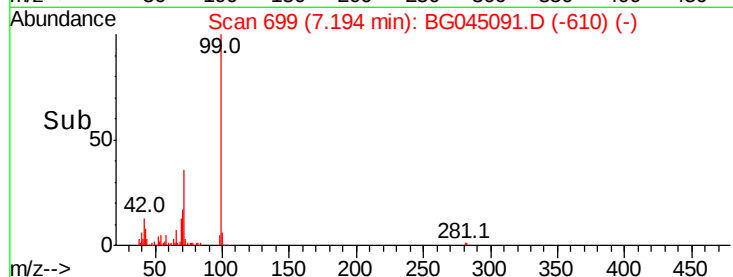
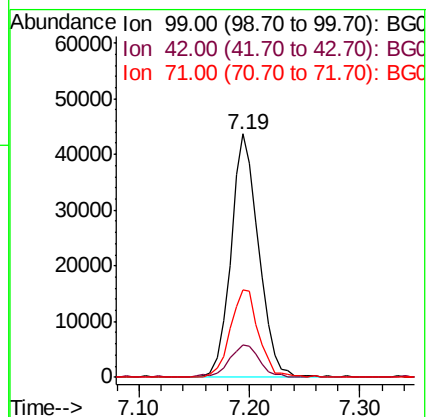
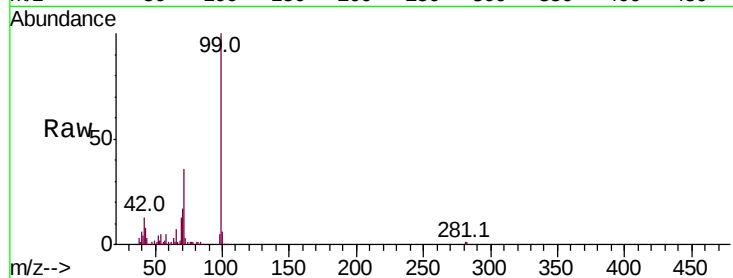
Tot Ion: 99 Resp: 76607

Ion Ratio Lower Upper

99 100

42 13.1 11.3 16.9

71 35.8 28.3 42.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

Tgt Ion: 136 Resp: 278670

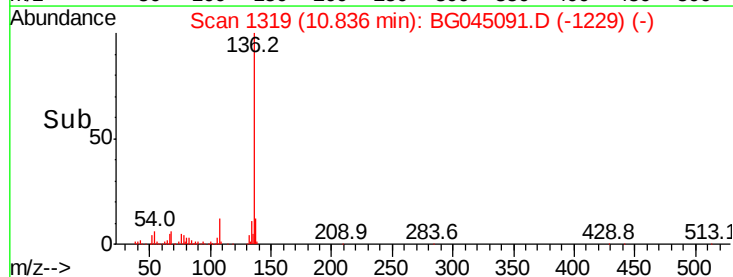
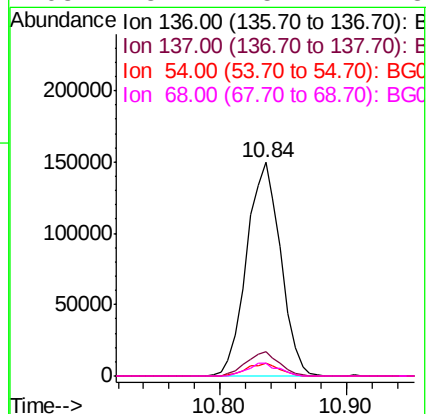
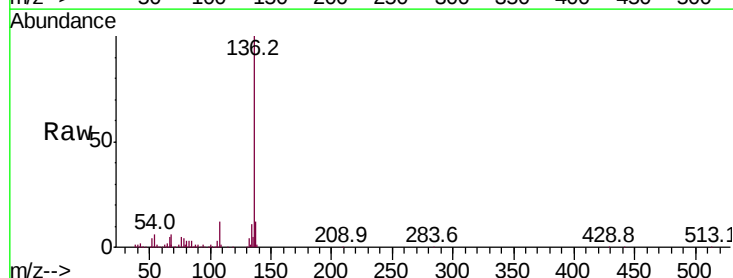
Ion Ratio Lower Upper

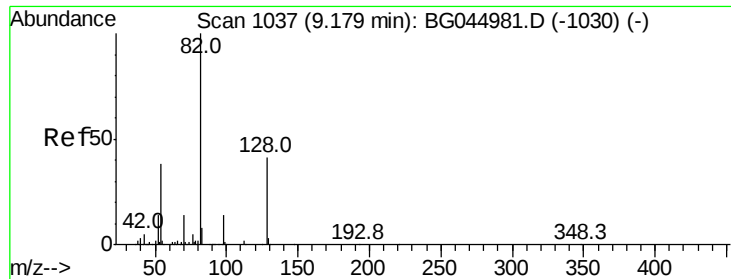
136 100

137 11.6 8.6 13.0

54 6.1 4.8 7.2

68 5.7 5.2 7.8

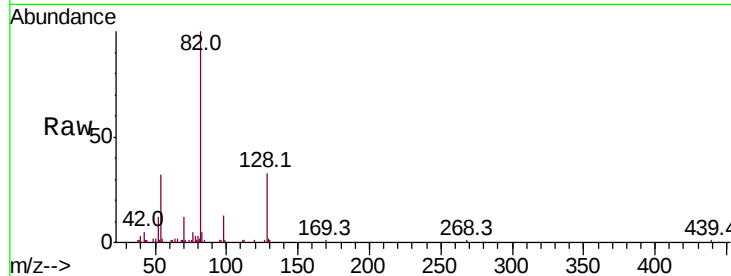




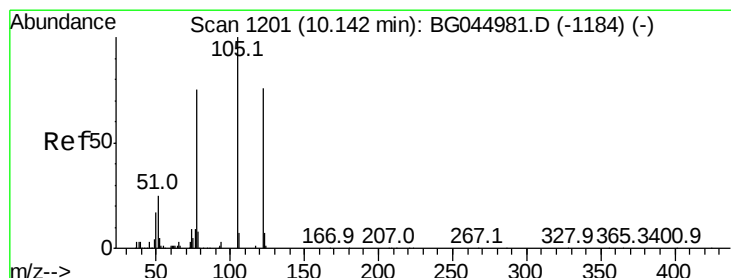
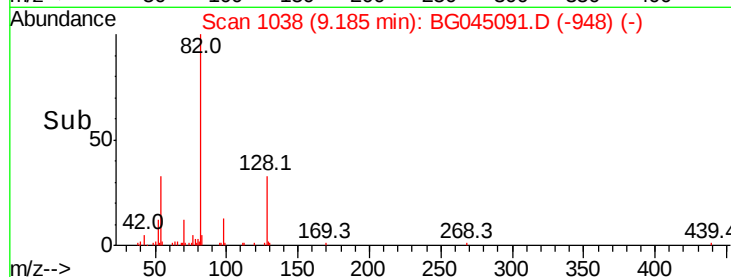
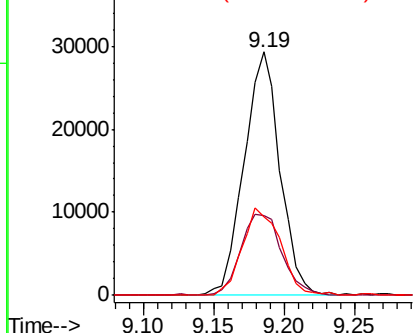
#23
 Nitrobenzene-d5
 Concen: 8.544 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

Instrument :
 BNA_G
 ClientSampleId :
 WC-B1DL

Tot Ion: 82 Resp: 52179
 Ion Ratio Lower Upper
 82 100
 128 32.9 33.0 49.4#
 54 32.4 30.4 45.6

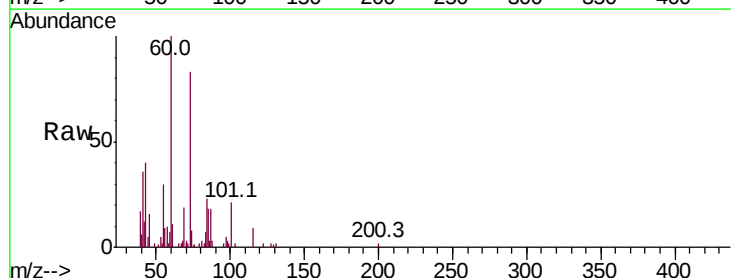


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

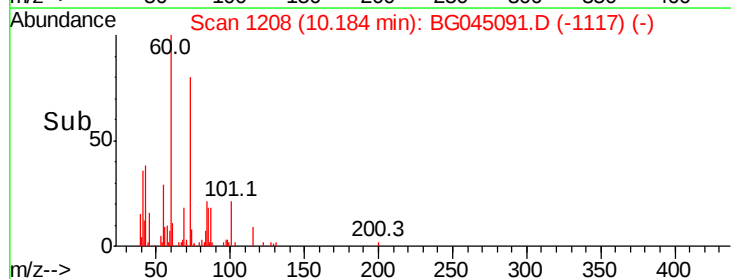
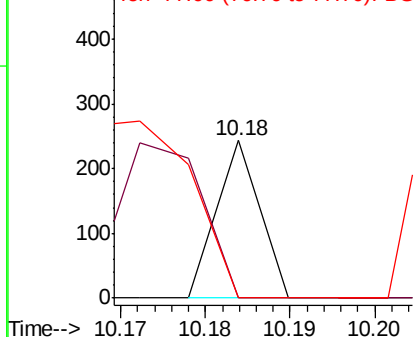


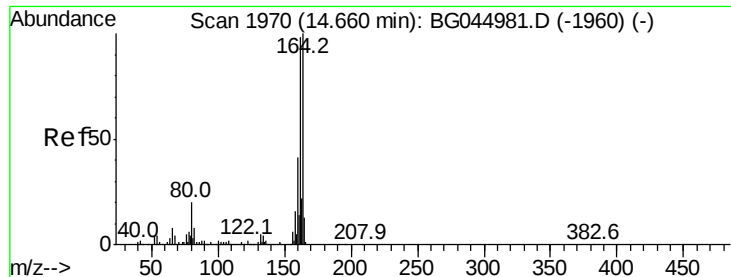
#32
 Benzoic acid
 Concen: 6.395 ng
 RT: 10.18 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

Tgt Ion: 122 Resp: 86
 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: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

Instrument :

BNA_G

ClientSampleId :

WC-B1DL

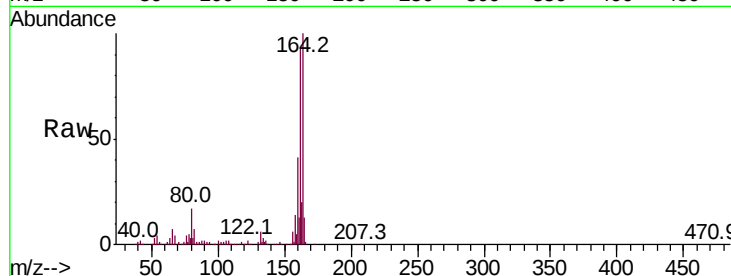
Tot Ion:164 Resp: 216206

Ion Ratio Lower Upper

164 100

162 92.6 78.7 118.1

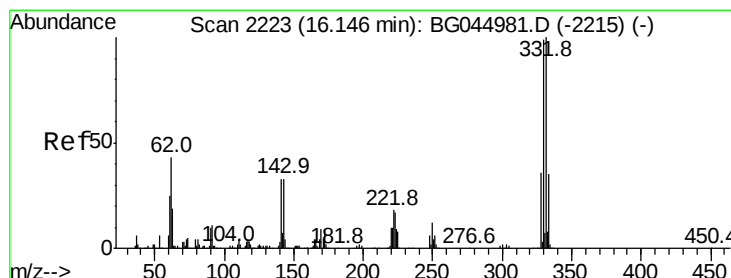
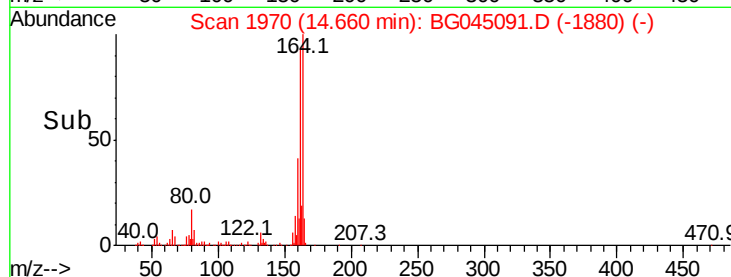
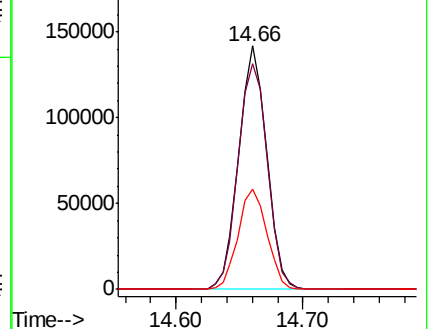
160 41.4 32.8 49.2



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: 14.831 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

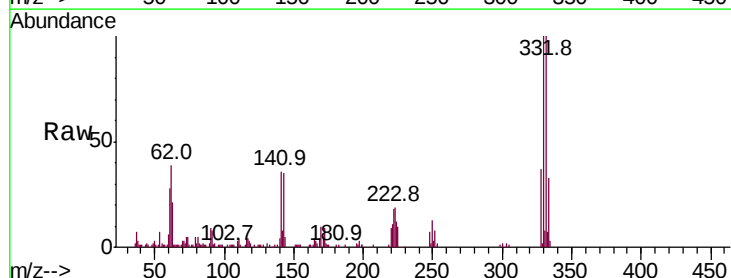
Tgt Ion:330 Resp: 49537

Ion Ratio Lower Upper

330 100

332 93.5 79.1 118.7

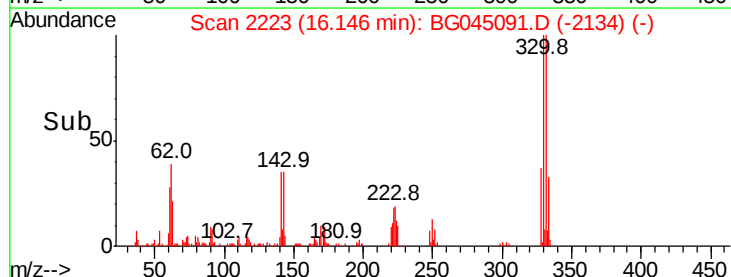
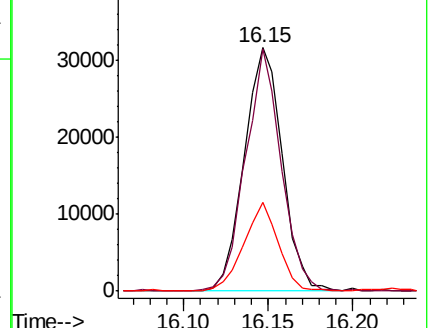
141 33.3 27.1 40.7

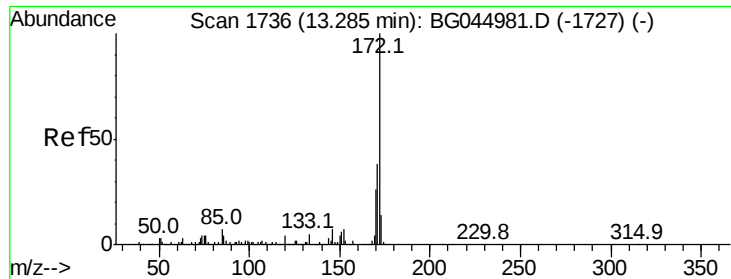


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

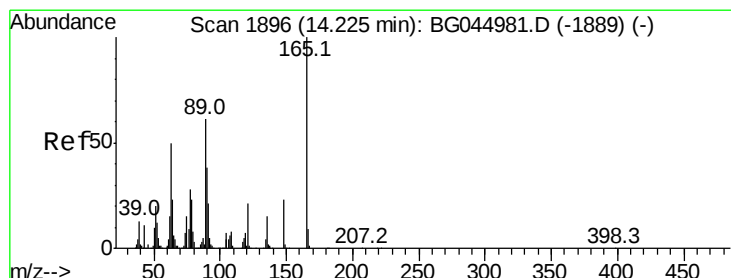
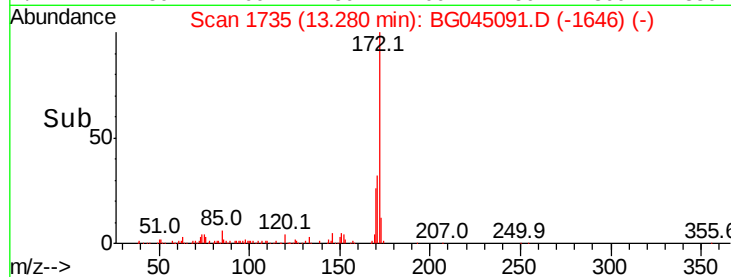
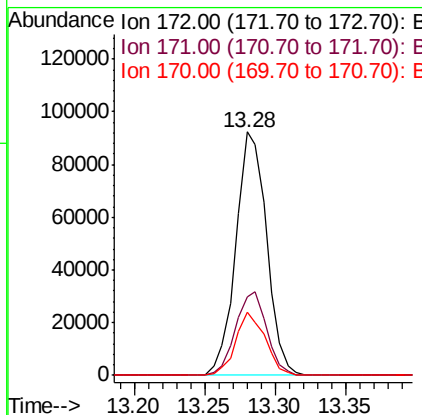
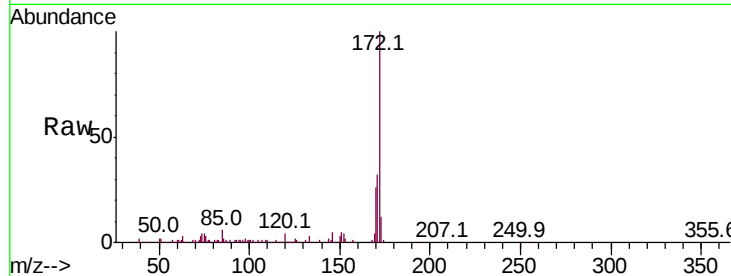




#45
 2-Fluorobiphenyl
 Concen: 9.527 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

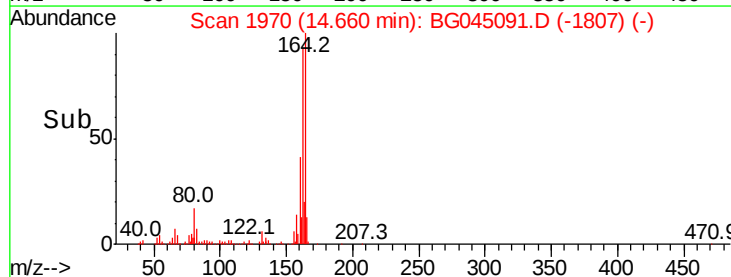
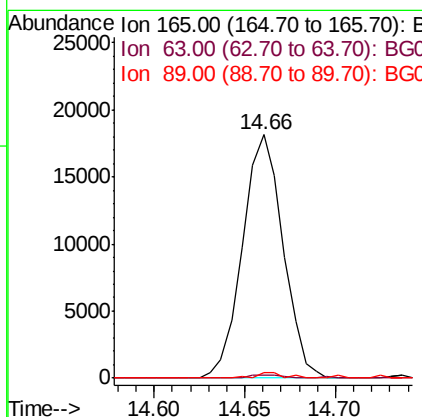
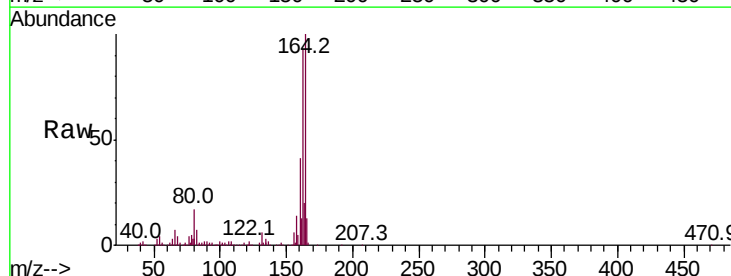
Instrument :
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 ClientSampleId :
 WC-B1DL

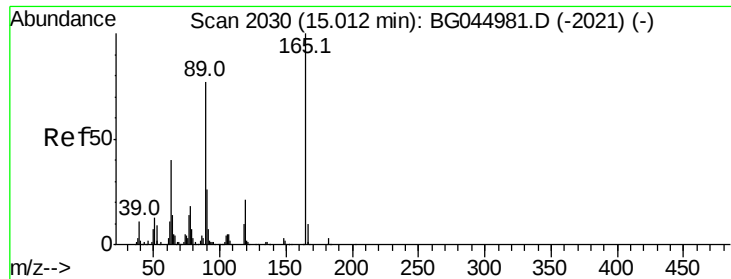
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.0	30.6	46.0
170	25.9	20.5	30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.153 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.4	60.6#
89	2.3	49.1	73.7#

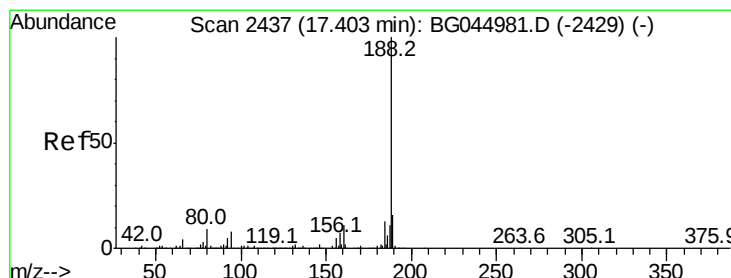
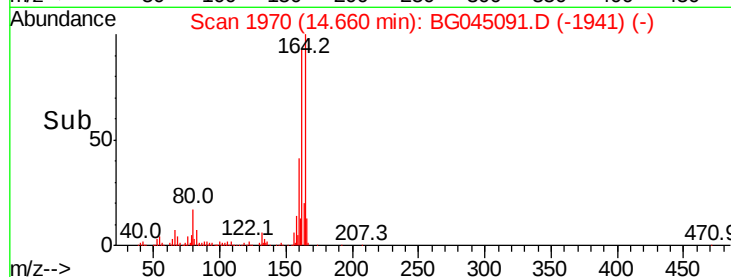
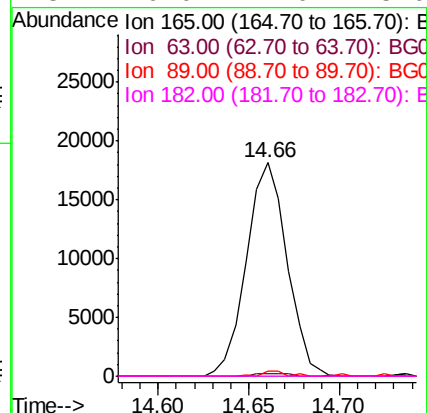
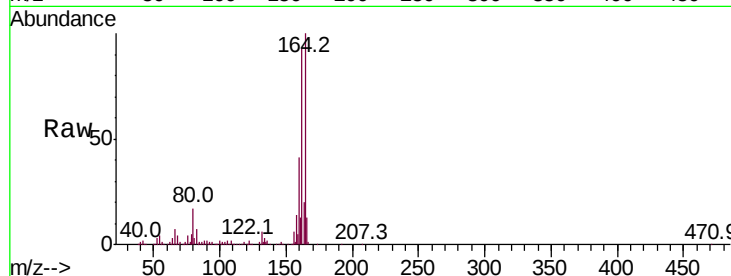




#57
 2,4-Dinitrotoluene
 Concen: 4.895 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

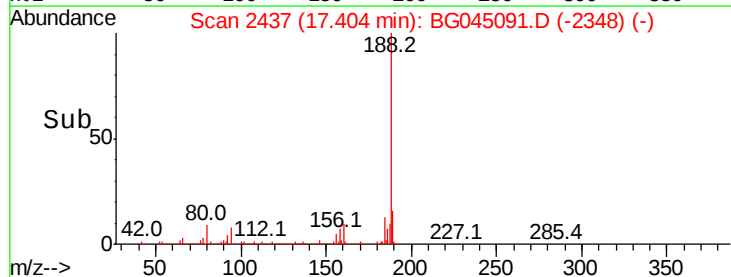
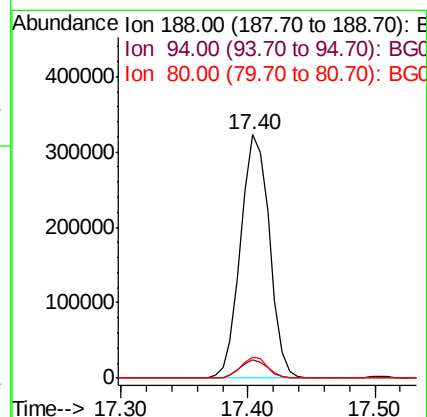
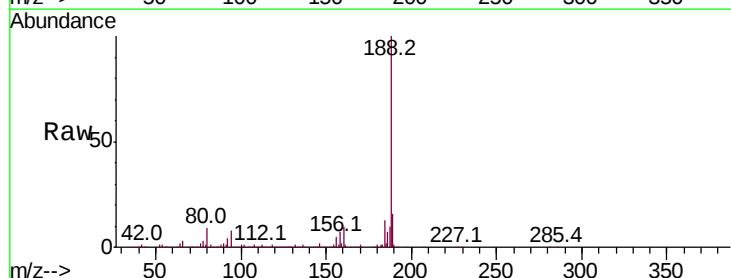
Instrument :
 BNA_G
 ClientSampled :
 WC-B1DL

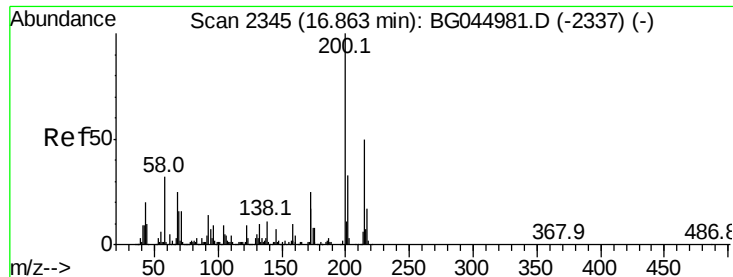
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.2	48.2#
89	2.3	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.4
80	8.7	7.0	10.6

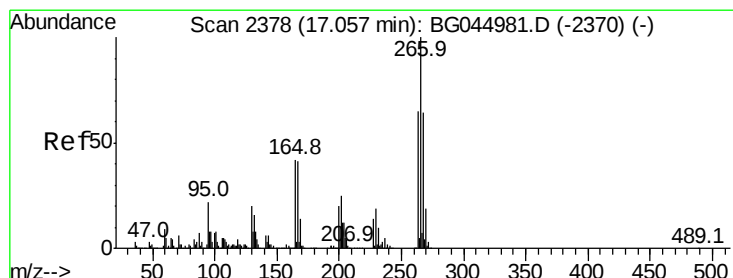
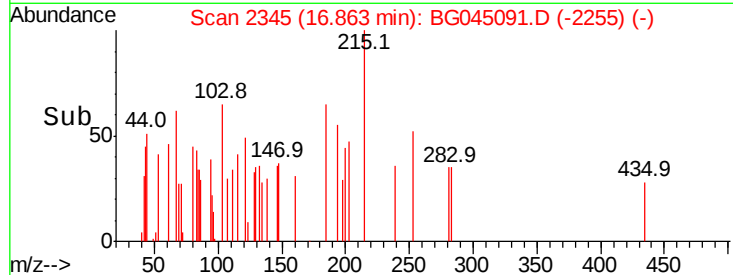
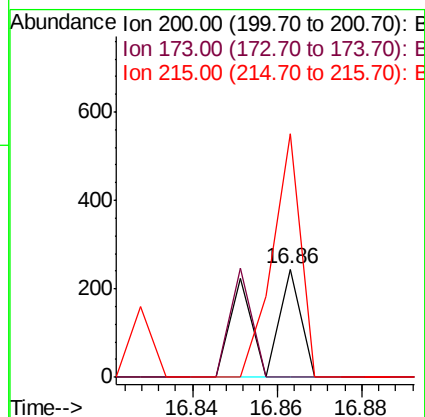
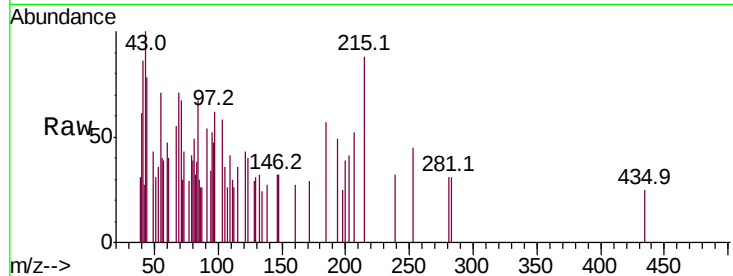




#69
 Atrazine
 Concen: Below Cal
 RT: 16.86 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

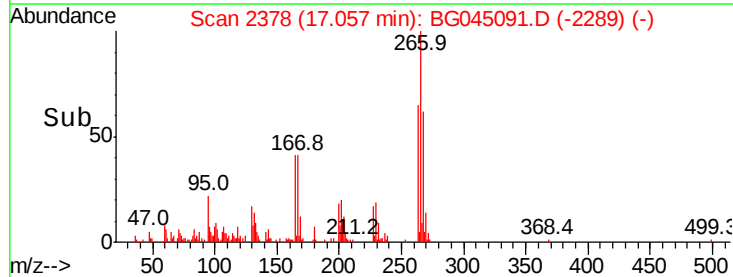
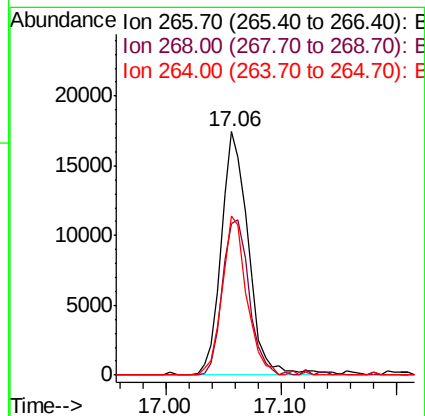
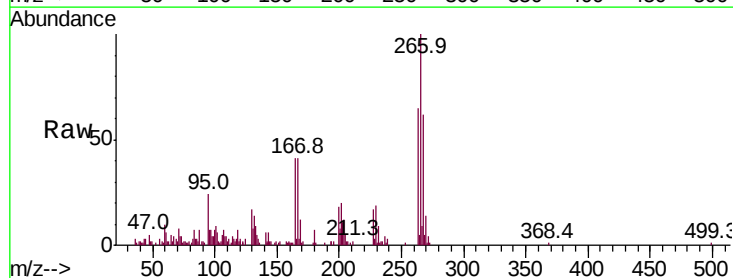
Instrument :
 BNA_G
 ClientSampled :
 WC-B1DL

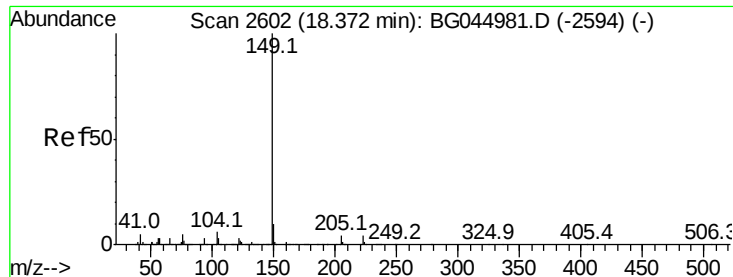
Tot Ion:	200	Resp:	165
Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	225.8	30.0	70.0#



#70
 Pentachlorophenol
 Concen: 6.843 ng
 RT: 17.06 min Scan# 2378
 Delta R.T. -0.01 min
 Lab File: BG045091.D
 Acq: 20 Apr 2020 11:47

Tgt Ion:	266	Resp:	28533
Ion	Ratio	Lower	Upper
266	100		
268	62.4	51.5	77.3
264	65.4	52.2	78.4





#74

Di-n-butylphthalate

Concen: 66.821 ng

RT: 18.37 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

Instrument :

BNA_G

ClientSampleId :

WC-B1DL

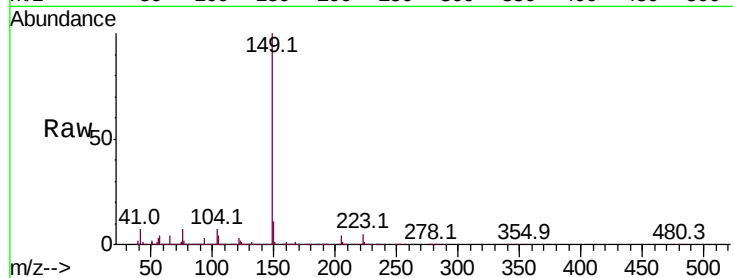
Tot Ion:149 Resp: 1847850

Ion Ratio Lower Upper

149 100

150 10.7 8.2 12.2

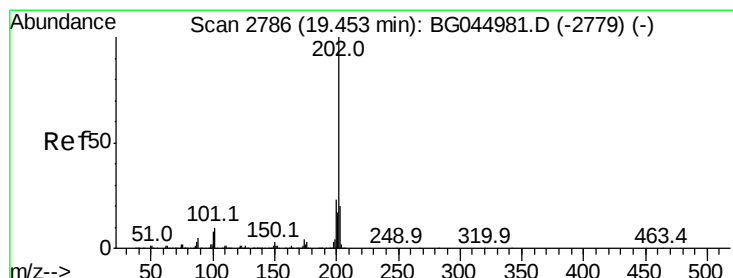
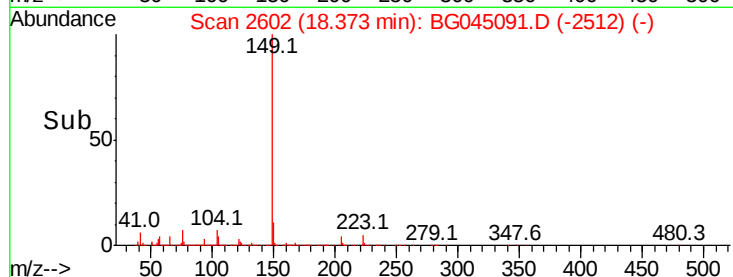
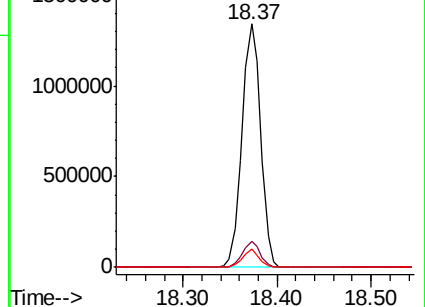
104 7.4 4.8 7.2#



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: 19.45 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

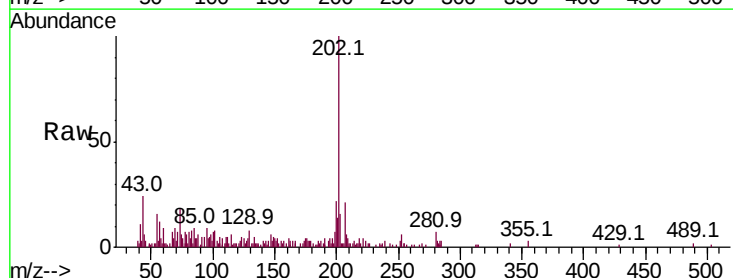
Tgt Ion:202 Resp: 18435

Ion Ratio Lower Upper

202 100

101 7.8 0.0 29.6

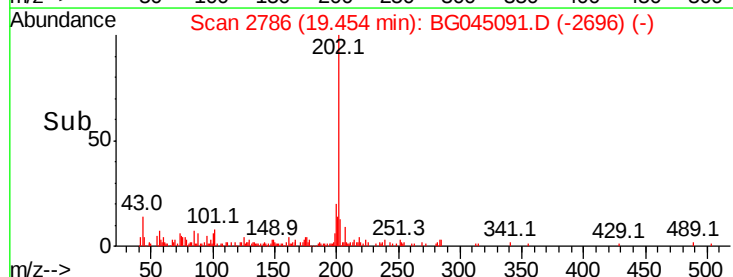
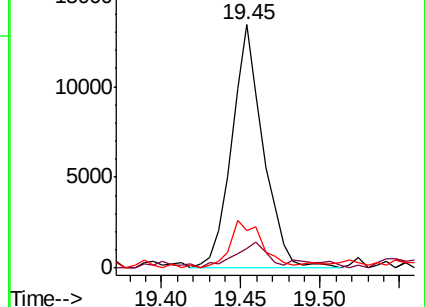
203 15.6 0.0 39.7

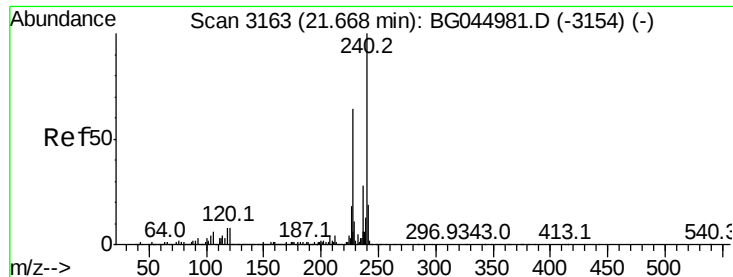


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG045091.D

Acq: 20 Apr 2020 11:47

Instrument :

BNA_G

ClientSampleId :

WC-B1DL

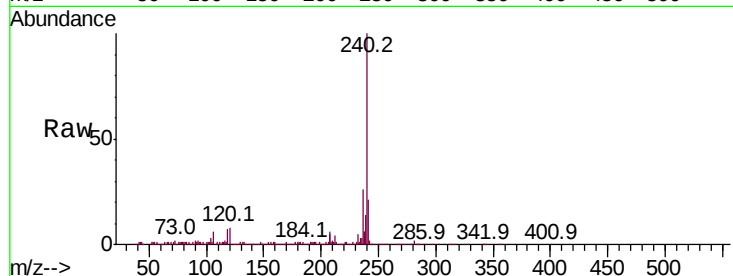
Tot Ion:240 Resp: 451425

Ion Ratio Lower Upper

240 100

120 7.6 6.6 10.0

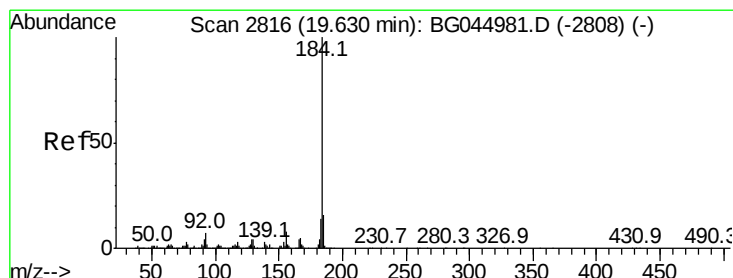
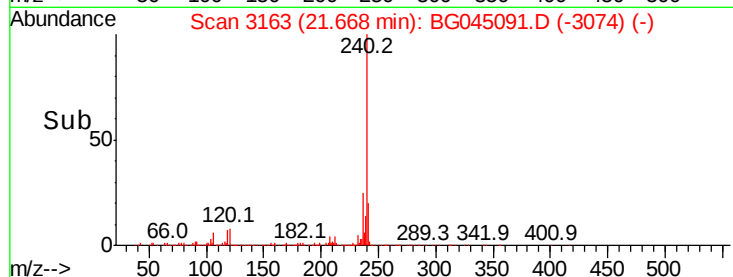
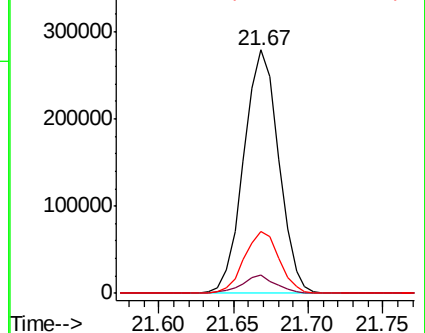
236 25.6 22.2 33.2



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: 19.63 min Scan# 2816

Delta R.T. -0.00 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

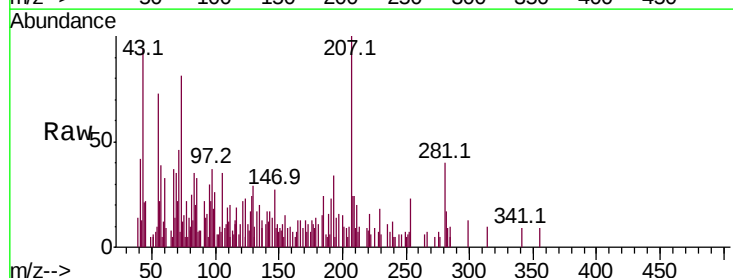
Tgt Ion:184 Resp: 1076

Ion Ratio Lower Upper

184 100

185 159.6 12.6 19.0#

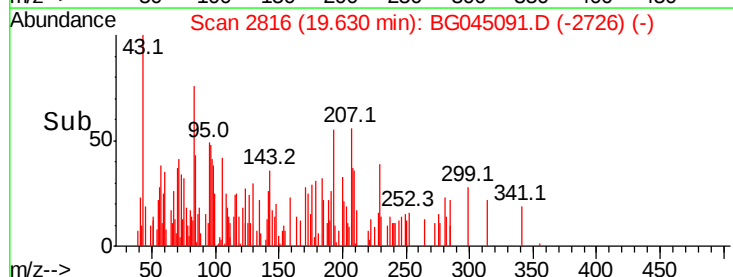
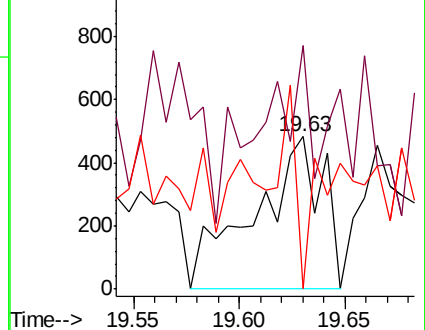
183 0.0 11.3 16.9#

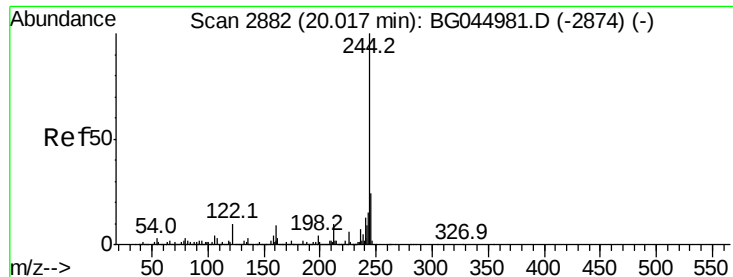


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 13.056 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

Instrument :

BNA_G

ClientSampled :

WC-B1DL

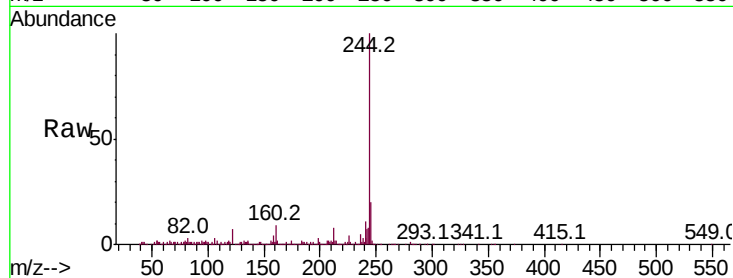
Tot Ion:244 Resp: 270408

Ion Ratio Lower Upper

244 100

212 8.3 7.9 11.9

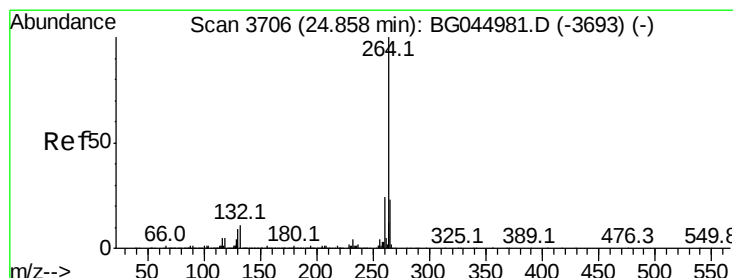
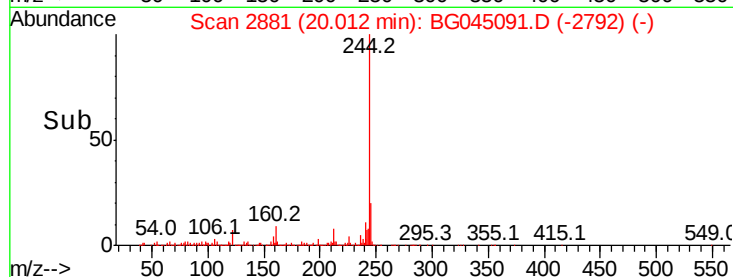
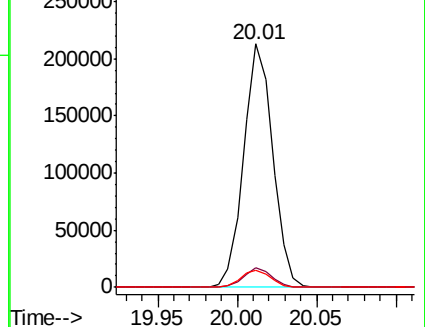
122 7.2 7.7 11.5#



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: 24.86 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG045091.D

Acq: 20 Apr 2020 11:47

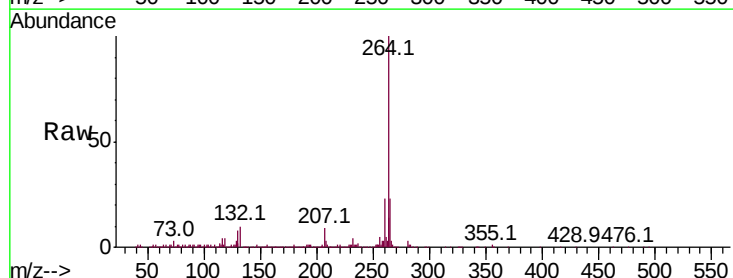
Tgt Ion:264 Resp: 494553

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 22.8 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

