

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
 Data File : BG045305.D
 Acq On : 11 May 2020 20:44
 Operator : CG/JU
 Sample : L2534-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 356

Quant Time: May 12 00:50:27 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	69987	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	270565	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	187980	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	442454	20.00	ng	0.00
76) Chrysene-d12	21.63	240	445349	20.00	ng	-0.01
87) Perylene-d12	24.79	264	489522	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	80	0.02	ng	-0.27
7) Phenol-d6	7.17	99	133	0.02	ng	0.02
23) Nitrobenzene-d5	9.13	82	321235	54.17	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.24	172	759411	59.24	ng	0.00
79) Terphenyl-d14	19.98	244	1277720	62.53	ng	0.00

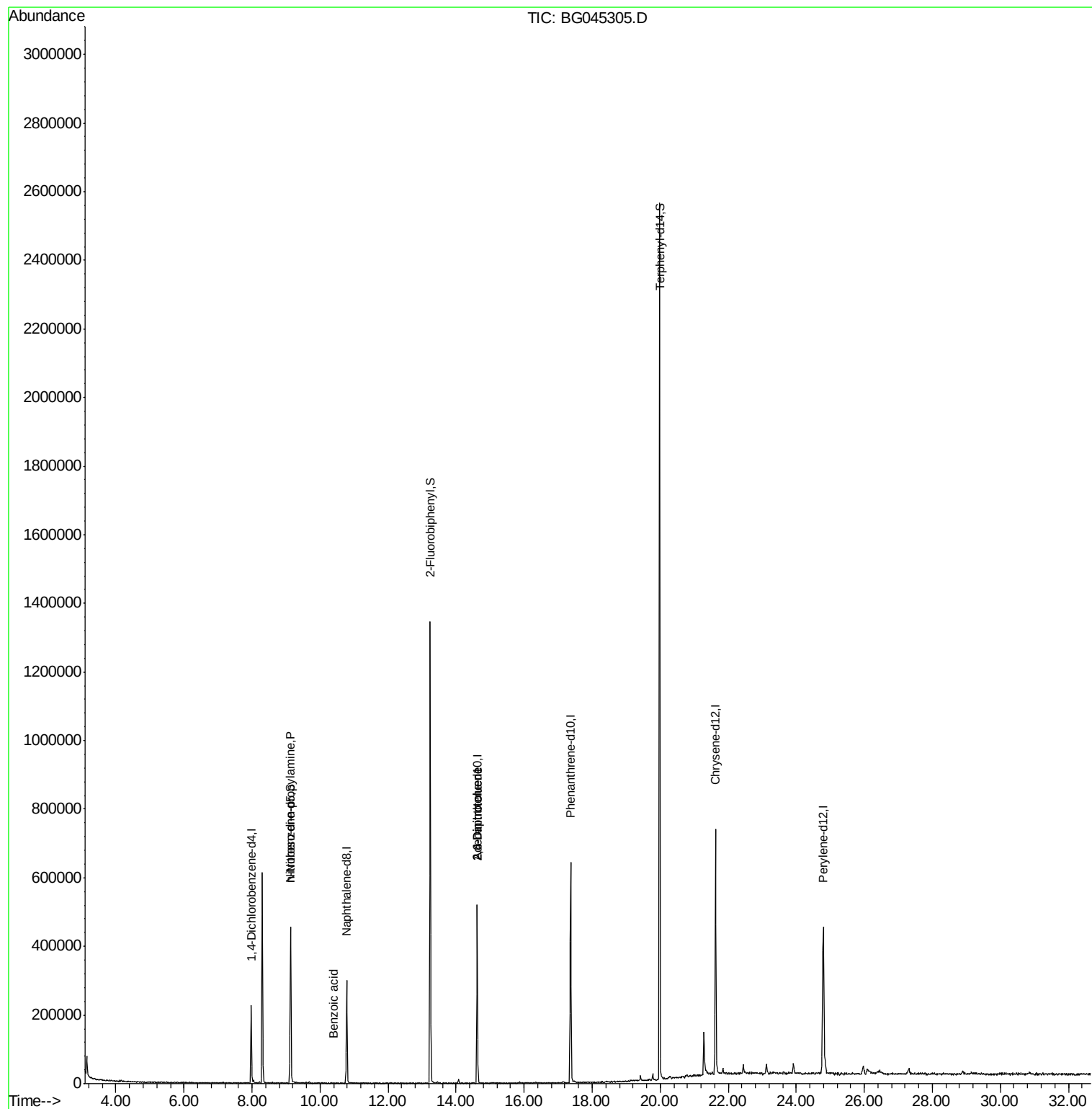
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	57	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	43361	9.735	ng	# 79
32) Benzoic acid	10.40	122	73	6.393	ng	# 1
51) 2,6-Dinitrotoluene	14.62	165	24992	7.300	ng	# 26
57) 2,4-Dinitrotoluene	14.62	165	24992	4.995	ng	# 23
69) Atrazine	16.80	200	60	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	403	Below Cal	#	76
75) Fluoranthene	19.42	202	9101	Below Cal		98
77) Benzidine	19.98	184	22698	Below Cal	#	93

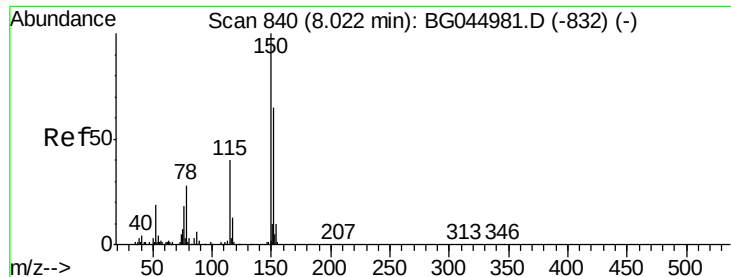
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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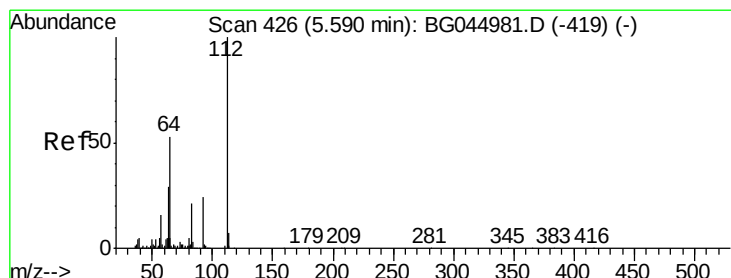
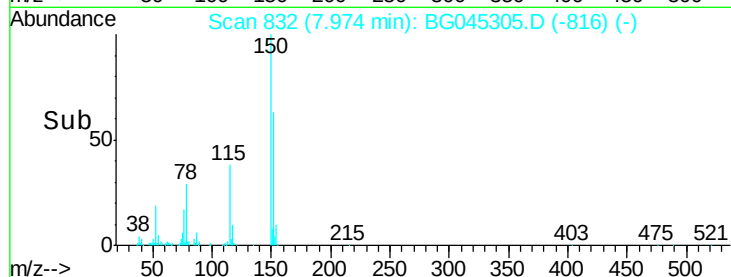
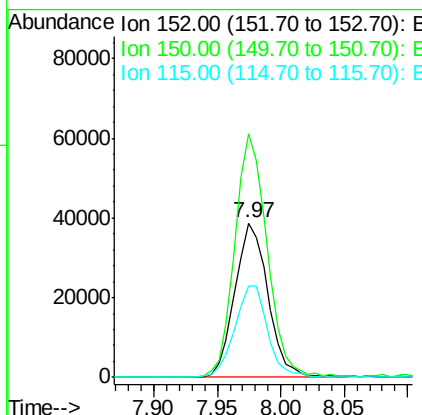
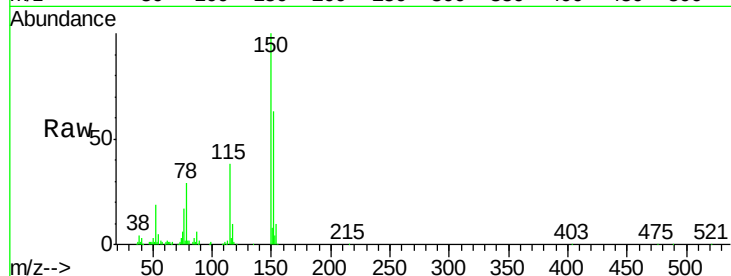


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 832
Delta R.T. -0.01 min
Lab File: BG045305.D
Acq: 11 May 2020 20:44

Instrument :
BNA_G
ClientSampleId :
356

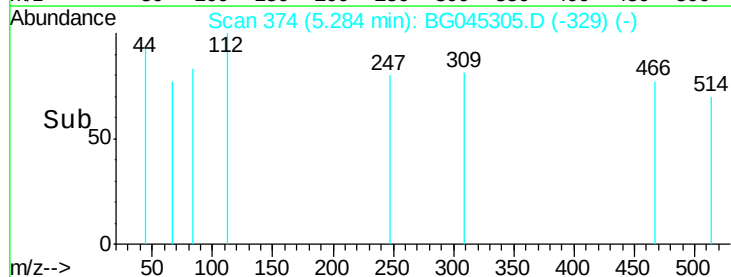
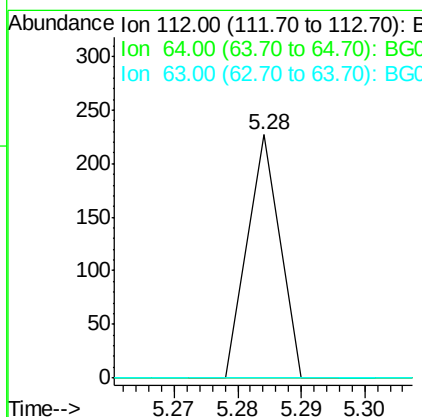
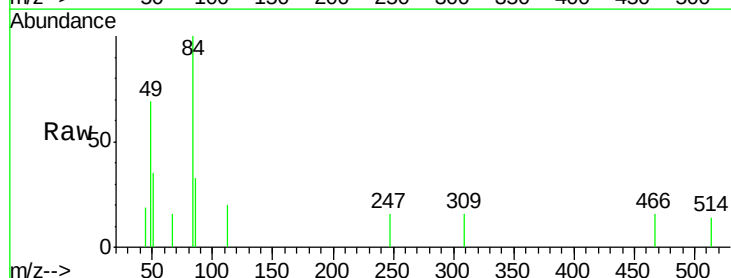
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.6	185.4
115	59.6	49.1	73.7

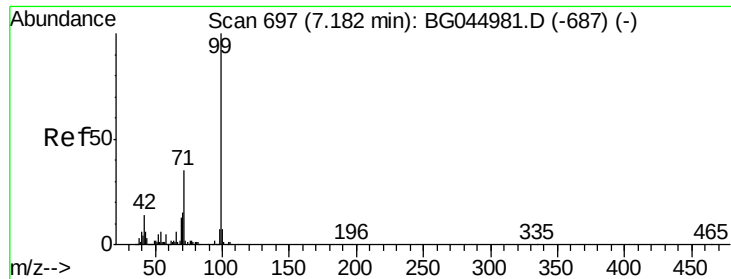


#5

2-Fluorophenol
Concen: 0.019 ng
RT: 5.28 min Scan# 374
Delta R.T. -0.27 min
Lab File: BG045305.D
Acq: 11 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	42.4	63.6#
63	0.0	23.1	34.7#





#7

Phenol-d6

Concen: 0.021 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.02 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

Instrument :

BNA_G

ClientSampleId :

356

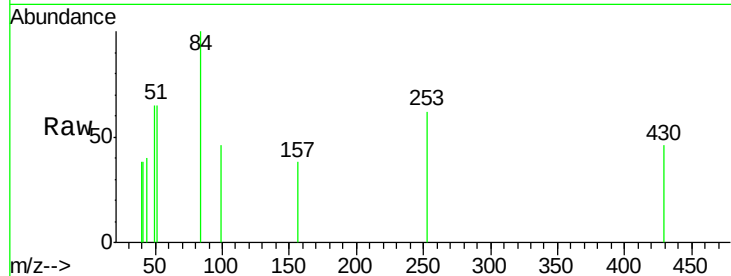
Tot Ion: 99 Resp: 133

Ion Ratio Lower Upper

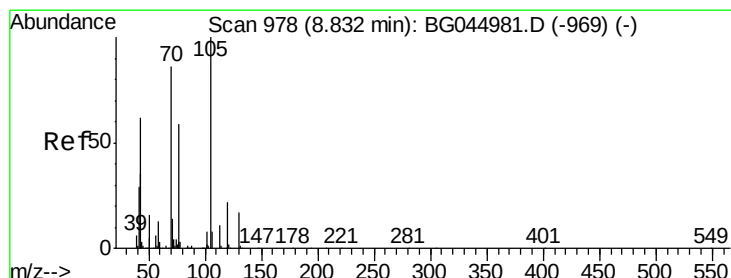
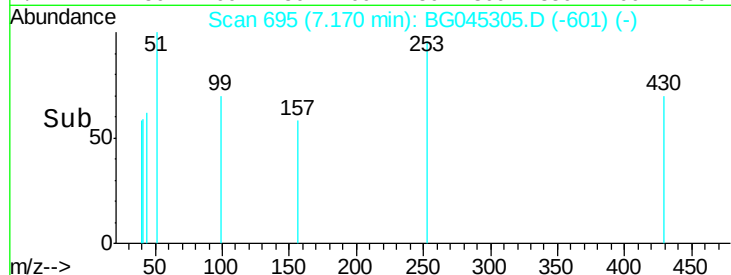
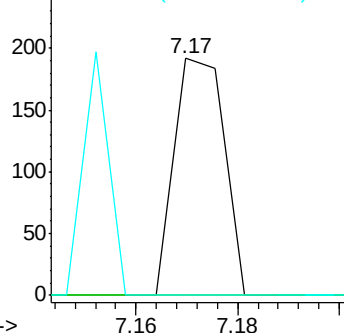
99 100

42 0.0 11.3 16.9#

71 0.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.735 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

Tgt Ion: 70 Resp: 43361

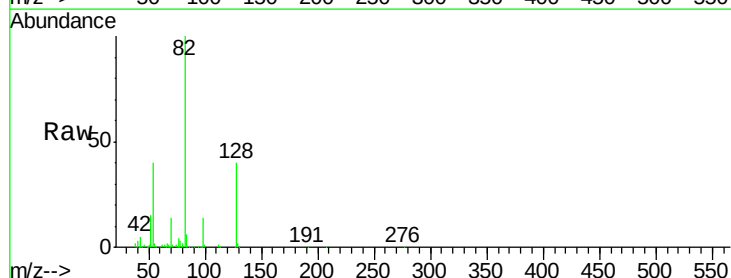
Ion Ratio Lower Upper

70 100

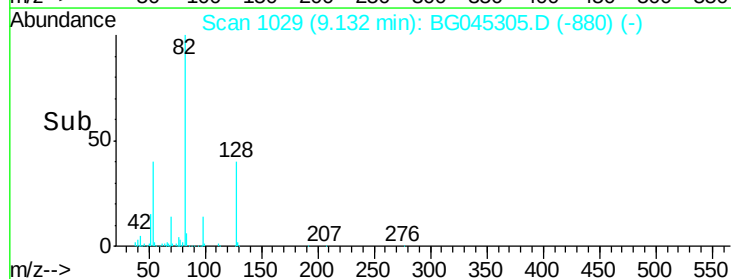
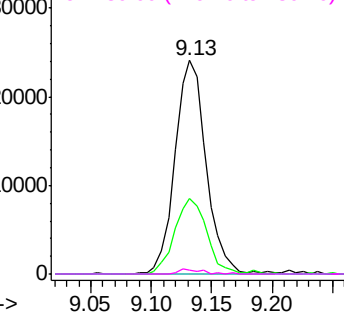
42 35.1 33.3 49.9

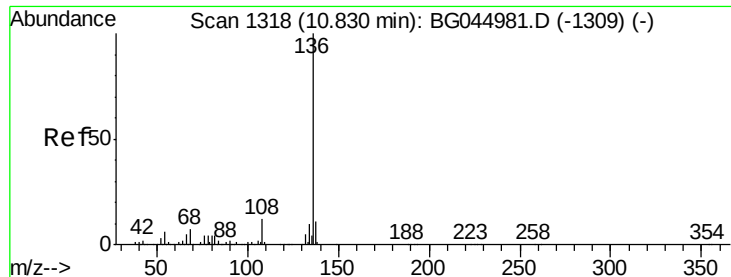
101 0.0 7.8 11.8#

130 1.6 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

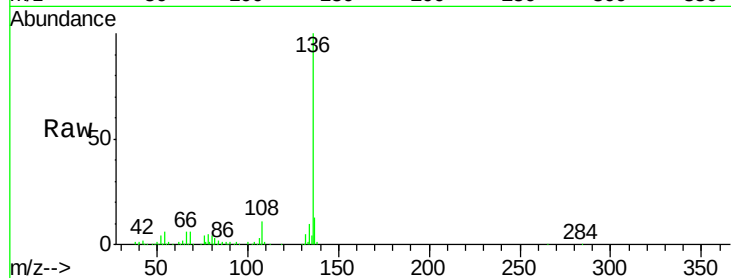




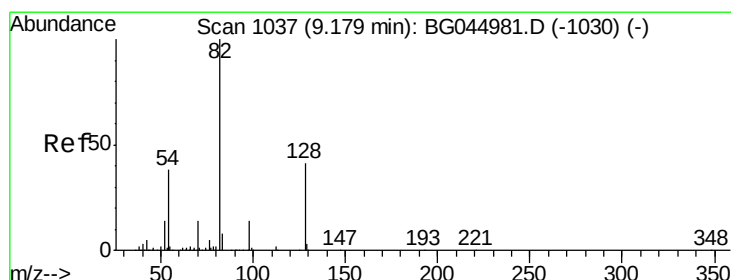
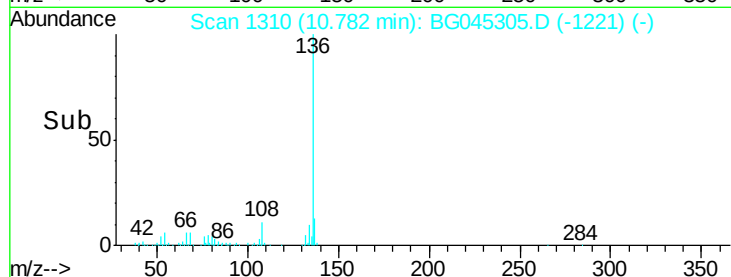
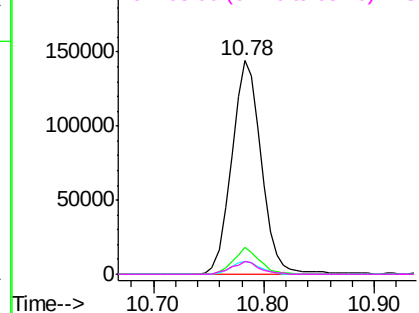
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG045305.D
Acq: 11 May 2020 20:44

Instrument :
BNA_G
ClientSampleId :
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Tot Ion:136	Resp: 270565
Ion Ratio	Lower Upper
136 100	
137 12.5	8.6 13.0
54 5.8	4.8 7.2
68 6.0	5.2 7.8

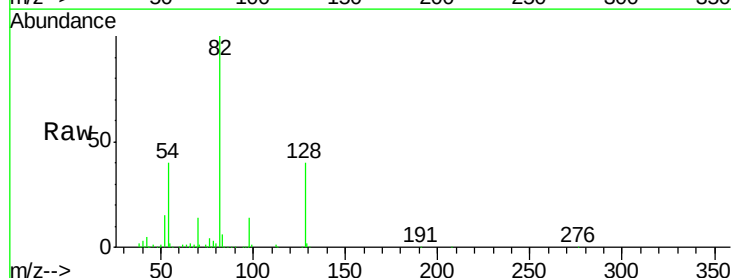


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

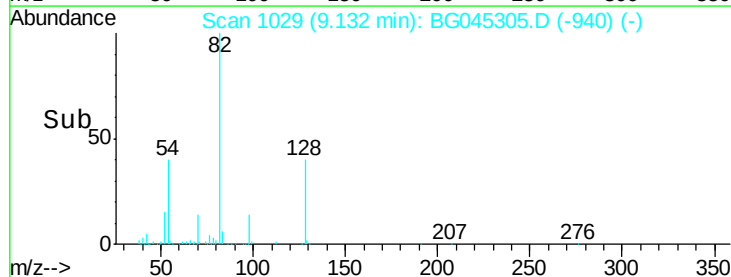
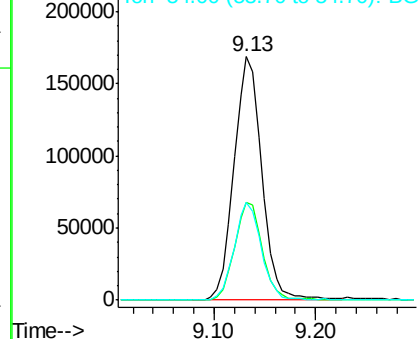


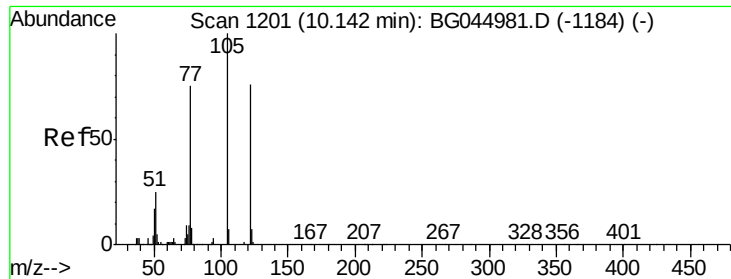
#23
Nitrobenzene-d5
Concen: 54.174 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG045305.D
Acq: 11 May 2020 20:44

Tgt	Ion: 82	Resp:	321235
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.0	49.4
54	40.2	30.4	45.6



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





#32

Benzoic acid

Concen: 6.393 ng

RT: 10.40 min Scan# 1245

Delta R.T. 0.30 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

Instrument :

BNA_G

ClientSampleId :

356

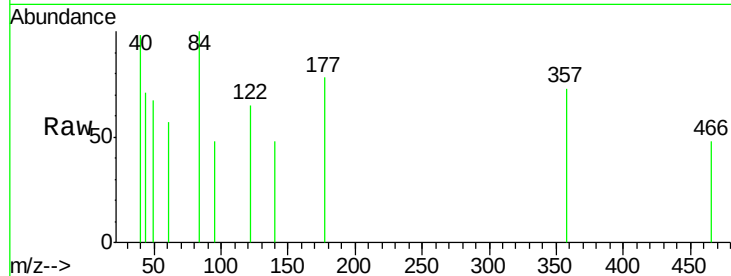
Tot Ion:122 Resp: 73

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

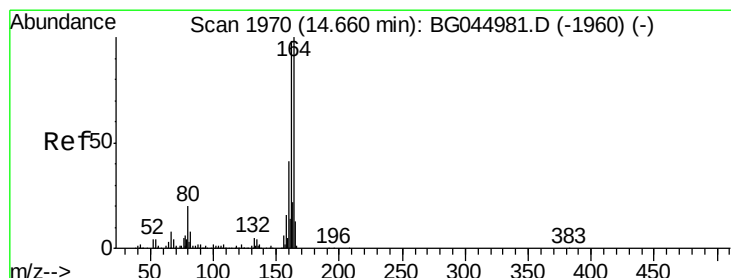
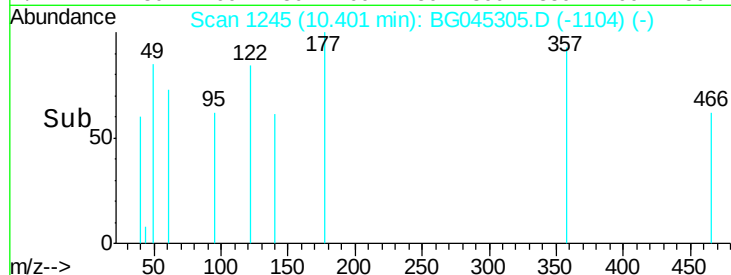
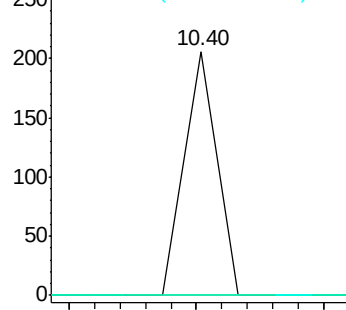
77 0.0 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

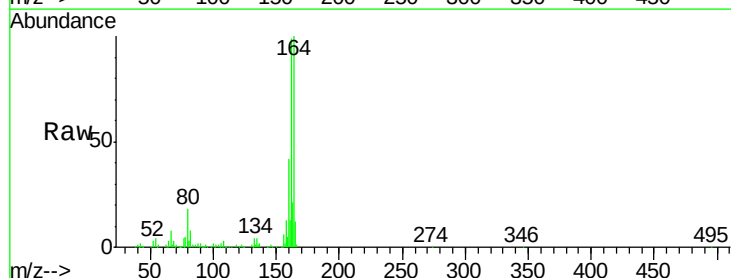
Tgt Ion:164 Resp: 187980

Ion Ratio Lower Upper

164 100

162 98.7 78.7 118.1

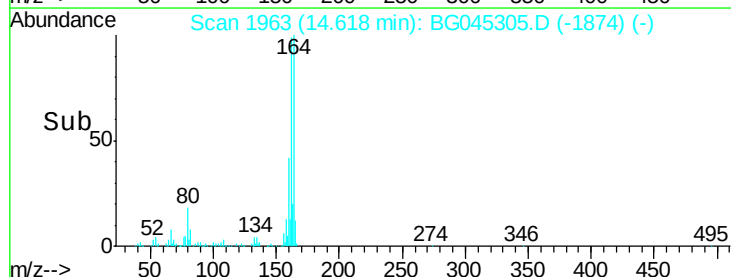
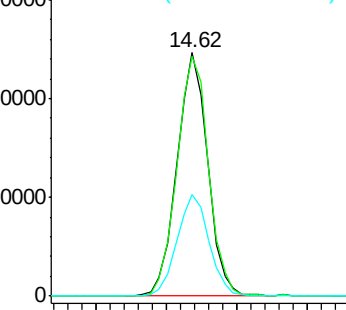
160 41.6 32.8 49.2

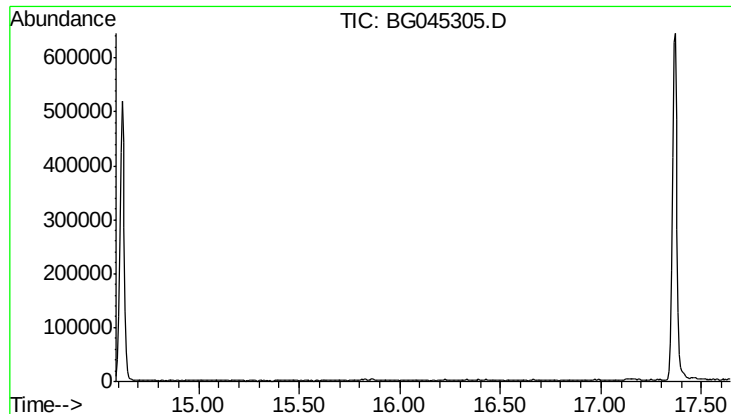


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

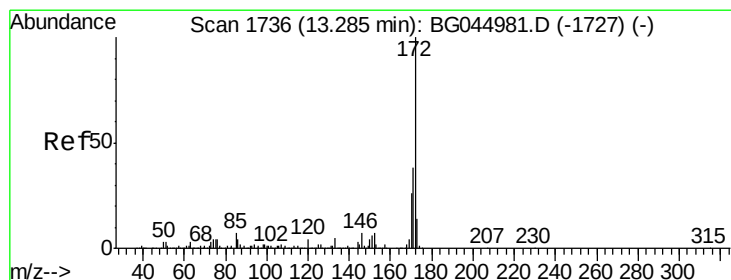
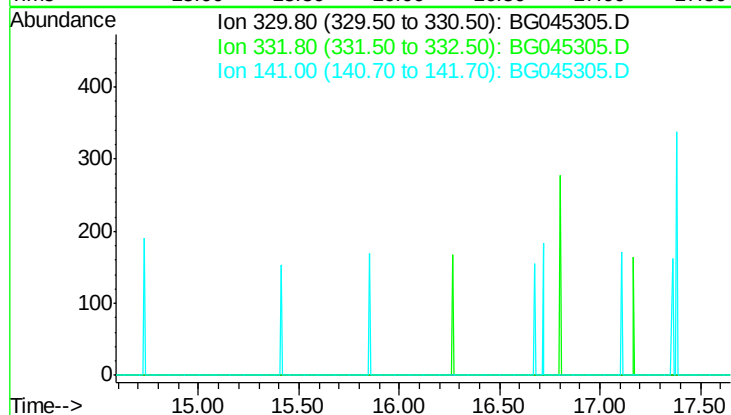




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.12 min
 Lab File: BG045305.D
 Acq: 11 May 2020 20:44

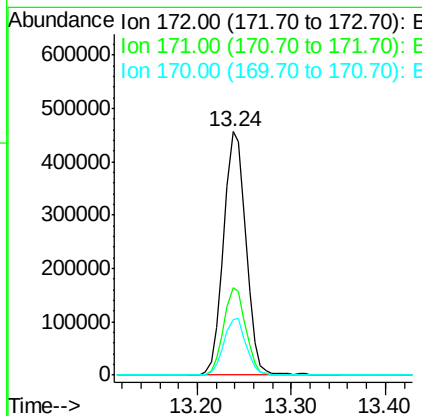
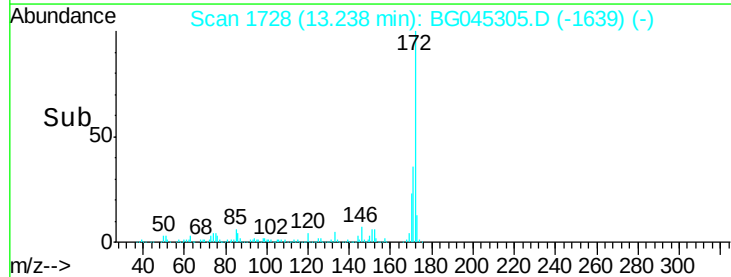
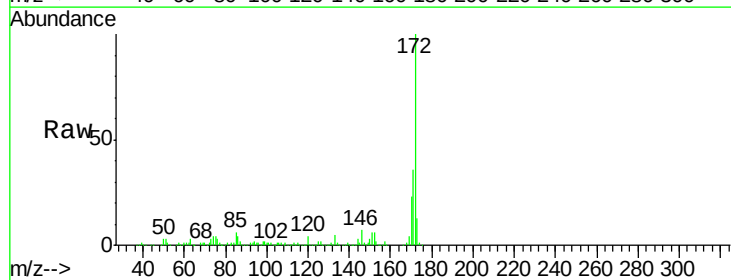
Instrument :
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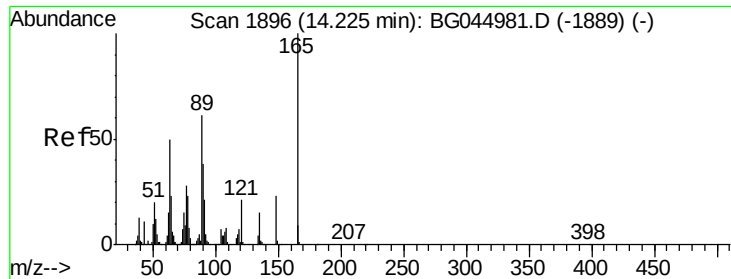
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 98.9
 141 33.9



#45
 2-Fluorobiphenyl
 Concen: 59.237 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG045305.D
 Acq: 11 May 2020 20:44

Tgt Ion: 172 Resp: 759411
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.6 46.0
 170 22.9 20.5 30.7

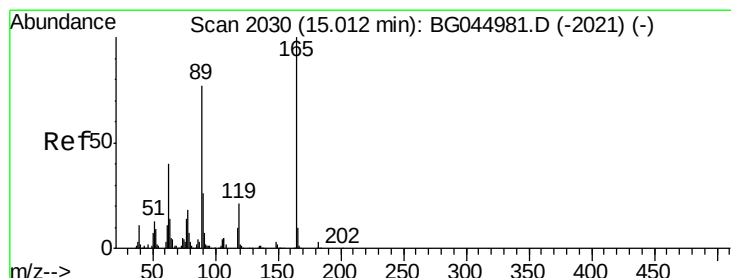
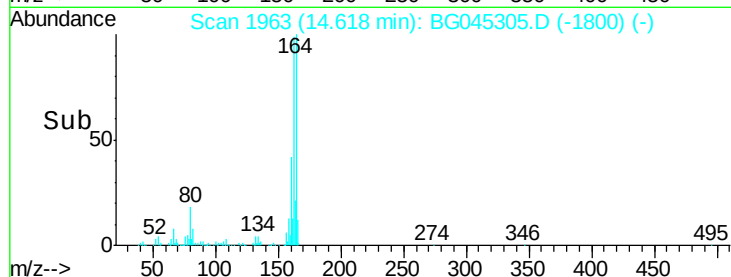
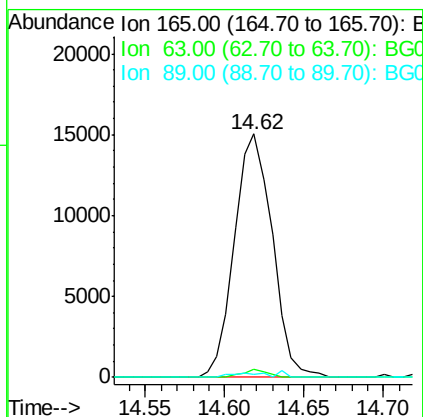
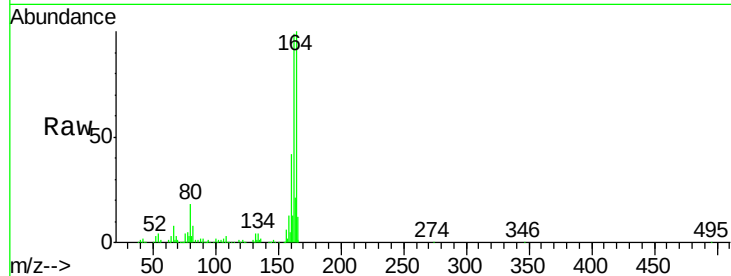




#51
 2,6-Dinitrotoluene
 Concen: 7.300 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.43 min
 Lab File: BG045305.D
 Acq: 11 May 2020 20:44

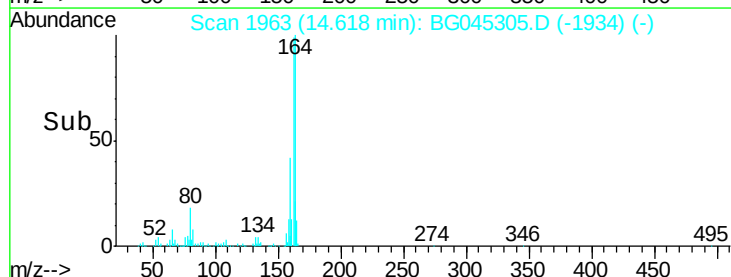
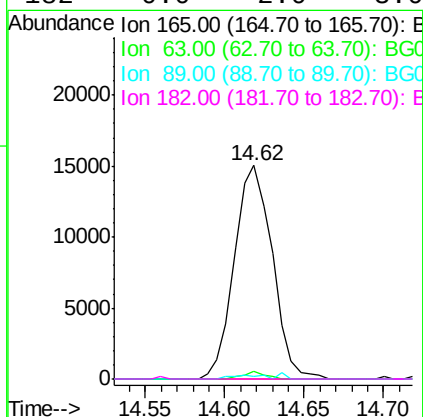
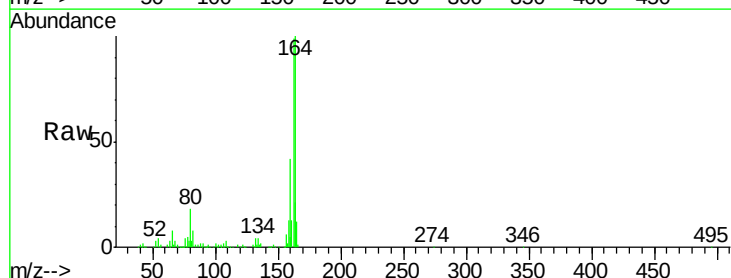
Instrument :
 BNA_G
 ClientSampleId :
 356

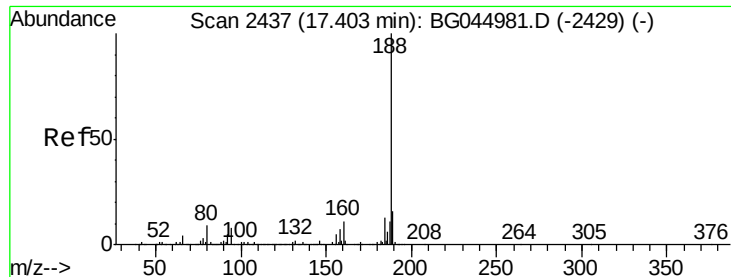
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.5	40.4	60.6#
89	1.0	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.995 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.36 min
 Lab File: BG045305.D
 Acq: 11 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.5	32.2	48.2#
89	1.0	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

Instrument :

BNA_G

ClientSampleId :

356

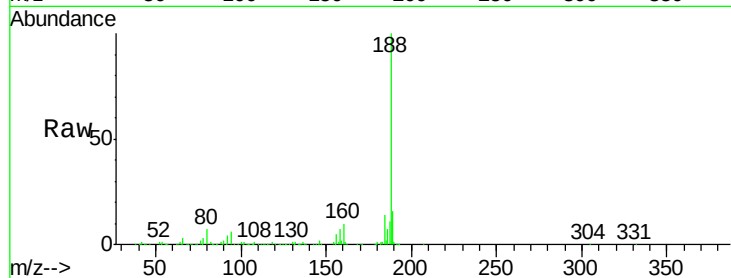
Tot Ion:188 Resp: 442454

Ion Ratio Lower Upper

188 100

94 6.4 6.2 9.4

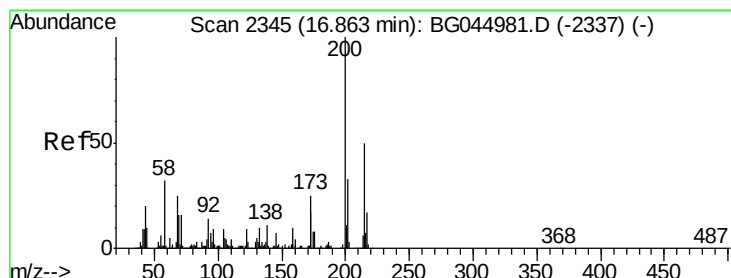
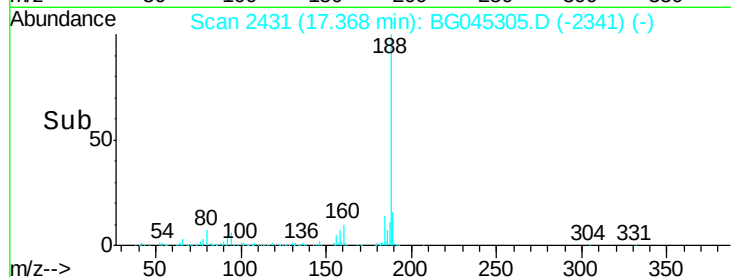
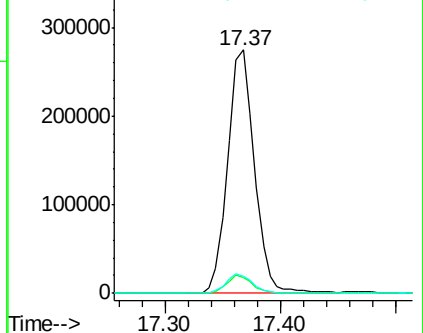
80 6.8 7.0 10.6#



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: 16.80 min Scan# 2335

Delta R.T. -0.02 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

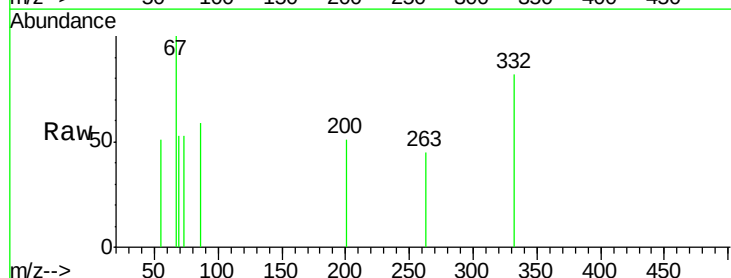
Tgt Ion:200 Resp: 60

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

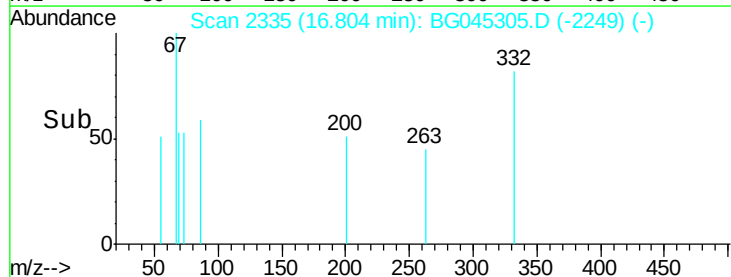
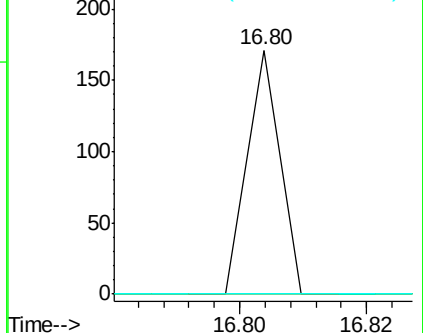
215 0.0 30.0 70.0#

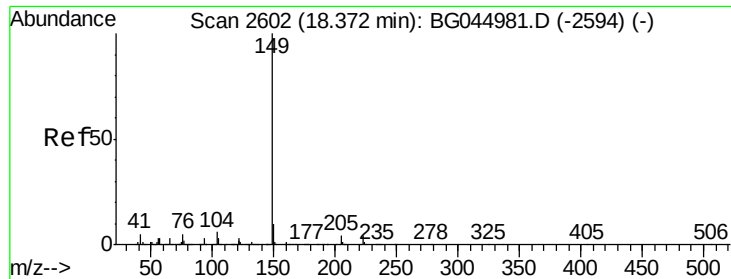


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

Instrument :

BNA_G

ClientSampleId :

356

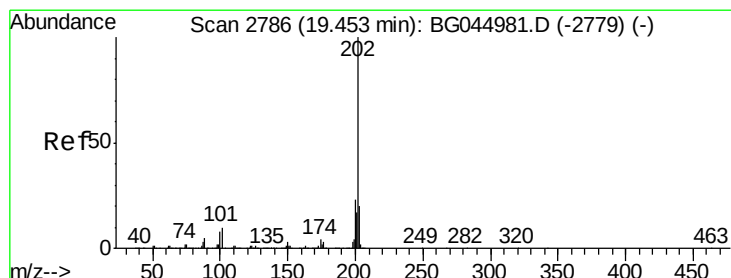
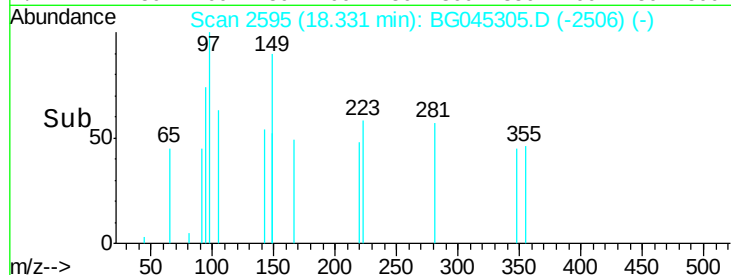
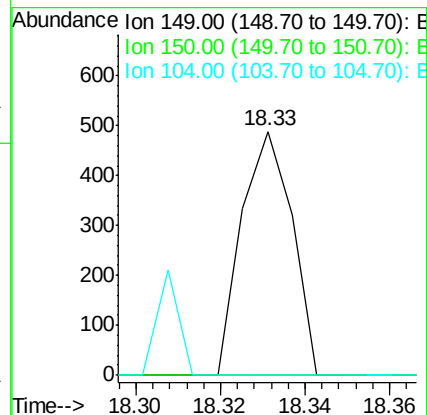
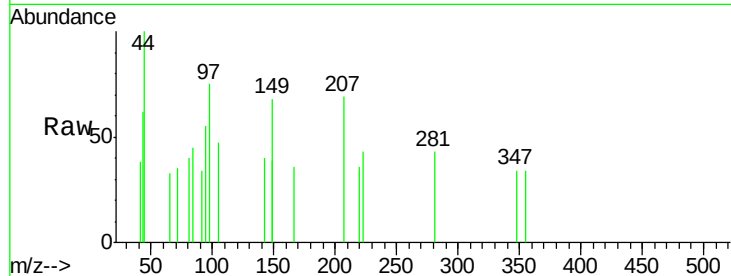
Tot Ion:149 Resp: 403

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 4.8 7.2#



#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

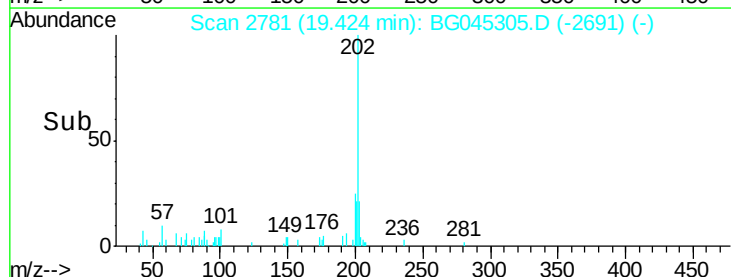
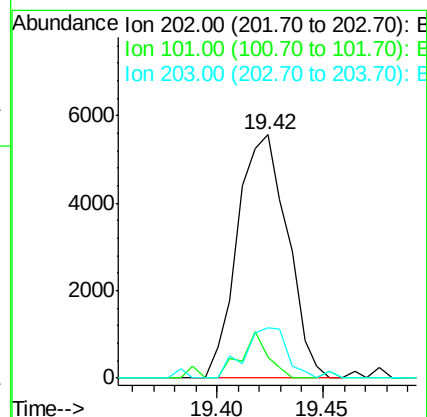
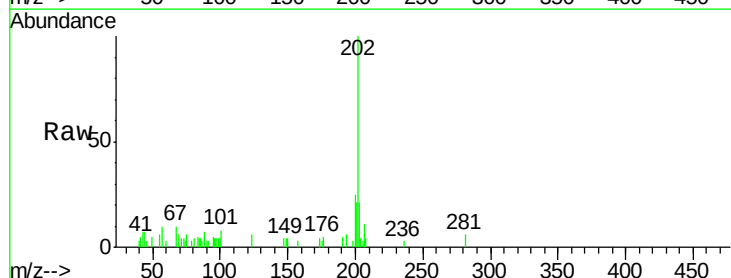
Tgt Ion:202 Resp: 9101

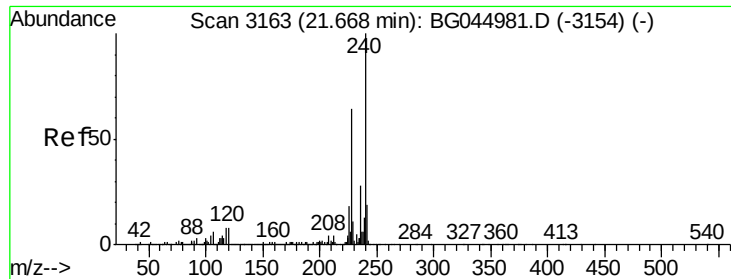
Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.6

203 20.6 0.0 39.7

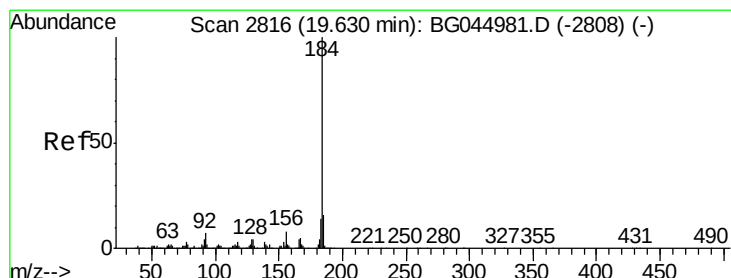
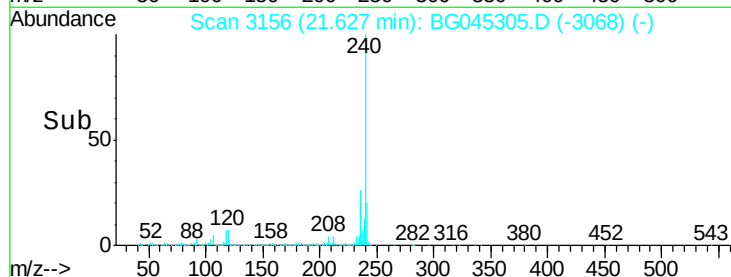
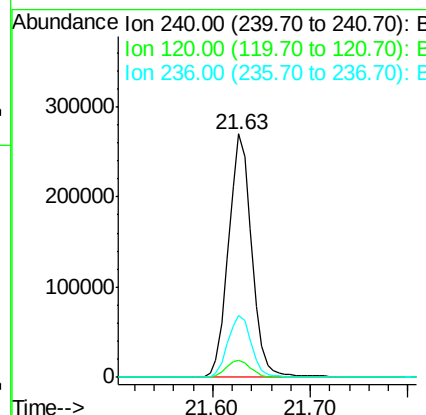
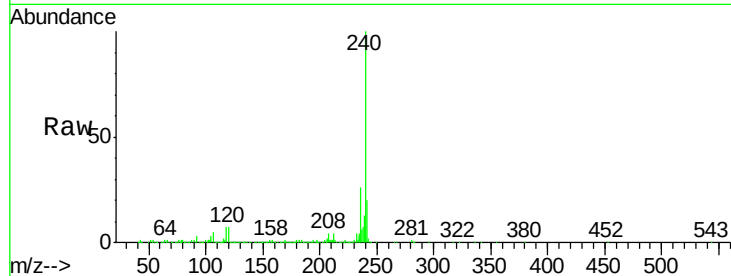




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045305.D
Acq: 11 May 2020 20:44

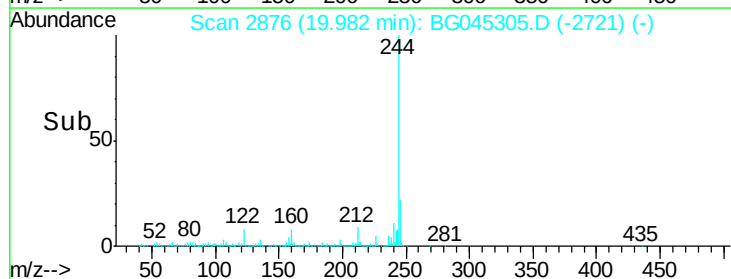
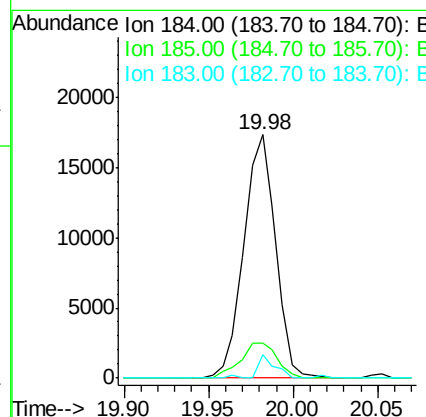
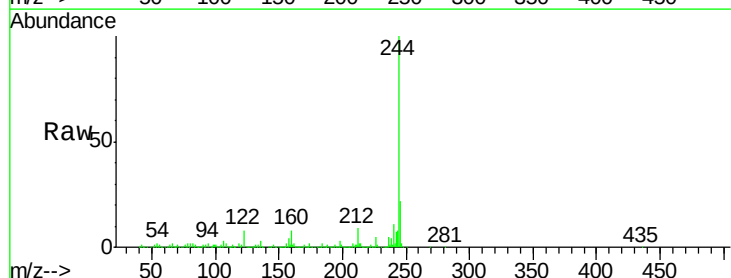
Instrument :
BNA_G
ClientSampleId :
356

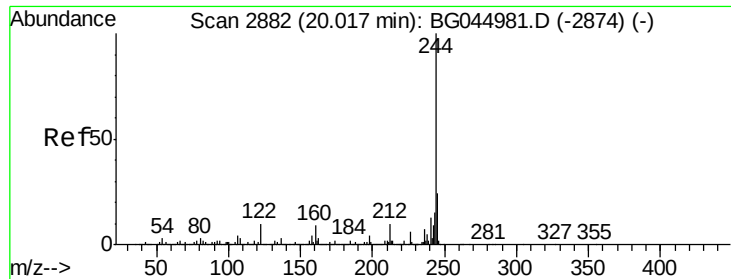
Tot Ion:240 Resp: 445349
Ion Ratio Lower Upper
240 100
120 7.2 6.6 10.0
236 25.6 22.2 33.2



#77
Benzidine
Concen: Below Cal
RT: 19.98 min Scan# 2876
Delta R.T. 0.38 min
Lab File: BG045305.D
Acq: 11 May 2020 20:44

Tgt Ion:184 Resp: 22698
Ion Ratio Lower Upper
184 100
185 14.1 12.6 19.0
183 9.5 11.3 16.9#





#79

Terphenyl-d14

Concen: 62.532 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

Instrument :

BNA_G

ClientSampleId :

356

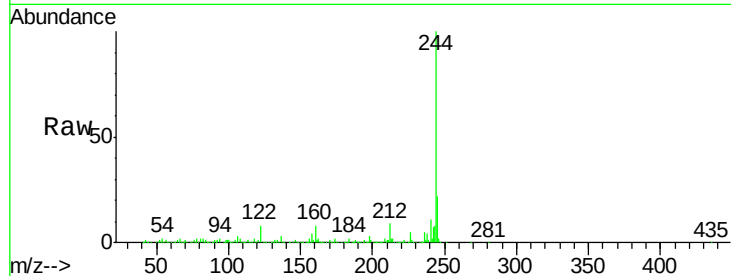
Tot Ion:244 Resp: 1277720

Ion Ratio Lower Upper

244 100

212 8.6 7.9 11.9

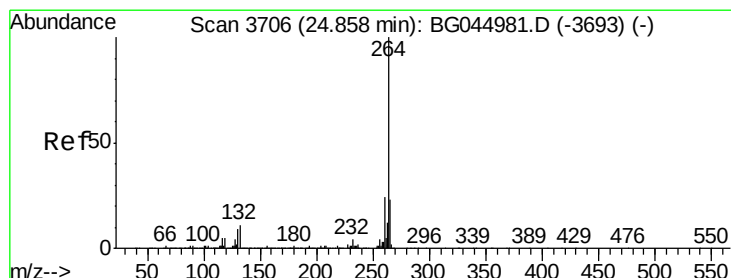
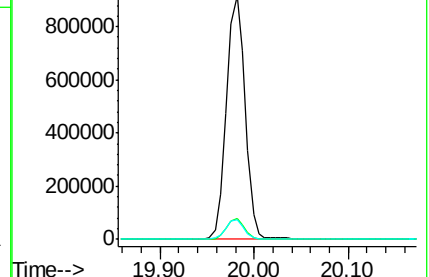
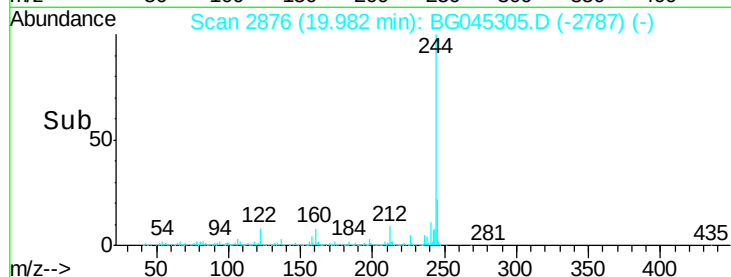
122 8.2 7.7 11.5



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: 24.79 min Scan# 3695

Delta R.T. -0.01 min

Lab File: BG045305.D

Acq: 11 May 2020 20:44

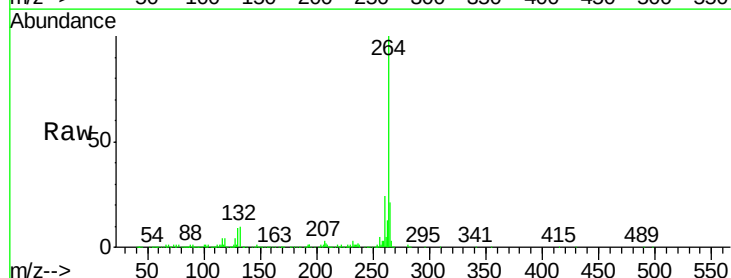
Tgt Ion:264 Resp: 489522

Ion Ratio Lower Upper

264 100

260 23.6 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

