

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045171.D
 Acq On : 24 Apr 2020 21:43
 Operator : CG/JU
 Sample : L2401-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:22:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

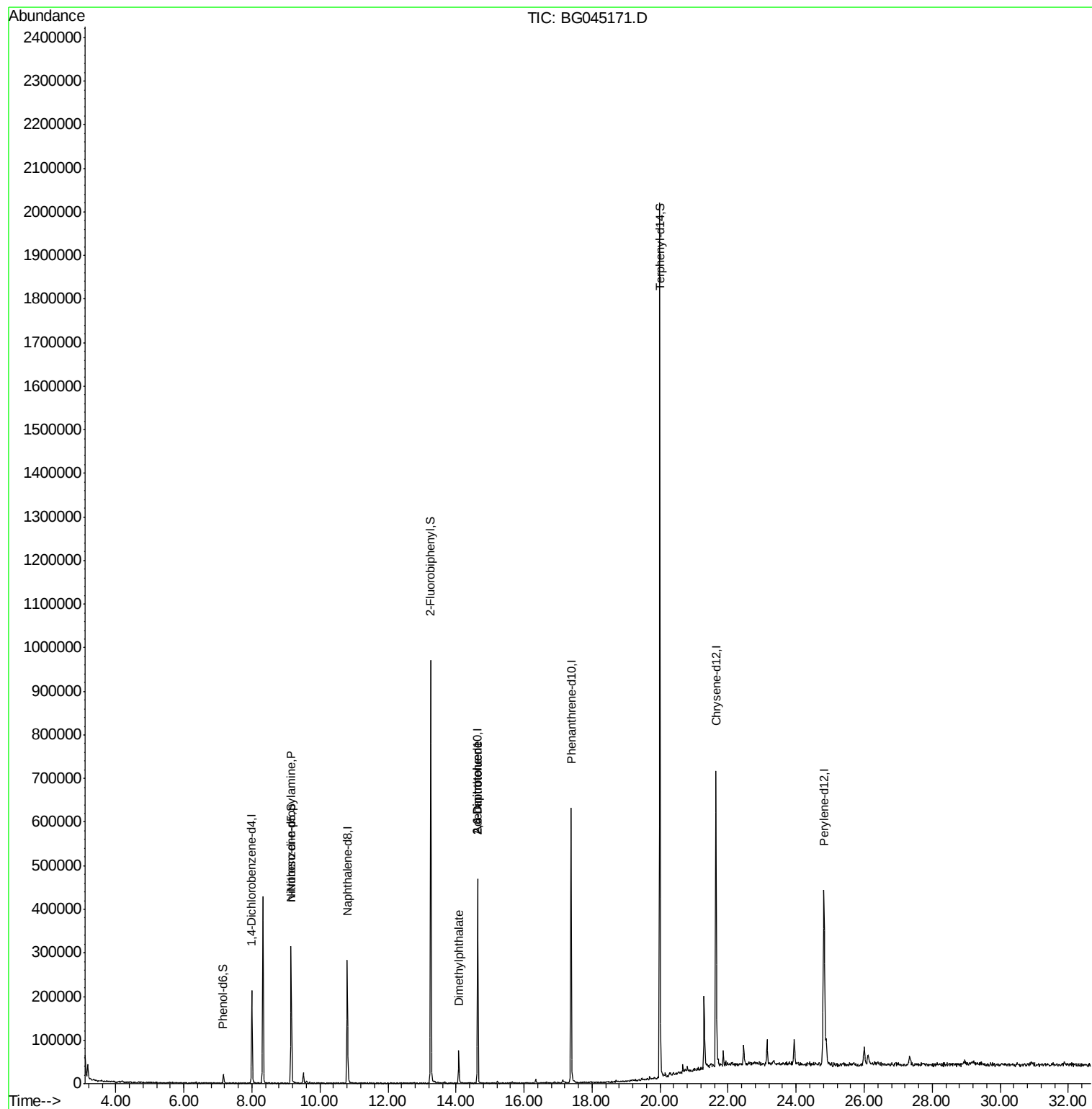
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	65173	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	261381	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	178797	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	432534	20.00	ng	0.00
76) Chrysene-d12	21.64	240	458939	20.00	ng	-0.02
87) Perylene-d12	24.81	264	486039	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	863	0.22	ng	0.00
7) Phenol-d6	7.16	99	14022	2.39	ng	0.00
23) Nitrobenzene-d5	9.15	82	226630	39.56	ng	-0.02
42) 2,4,6-Tribromophenol	16.13	330	177	0.06	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	539696	44.26	ng	0.00
79) Terphenyl-d14	19.99	244	1016438	48.27	ng	0.00
Target Compounds						
9) Benzaldehyde	7.18	77	54	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	30799	7.425 ng	#	79
50) Dimethylphthalate	14.09	163	55717	3.827 ng	#	97
51) 2,6-Dinitrotoluene	14.63	165	24104	7.402 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	24104	5.065 ng	#	22
69) Atrazine	16.87	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	470	Below Cal	#	76
75) Fluoranthene	19.44	202	529	Below Cal	#	81
77) Benzydine	19.99	184	16448	Below Cal	#	92

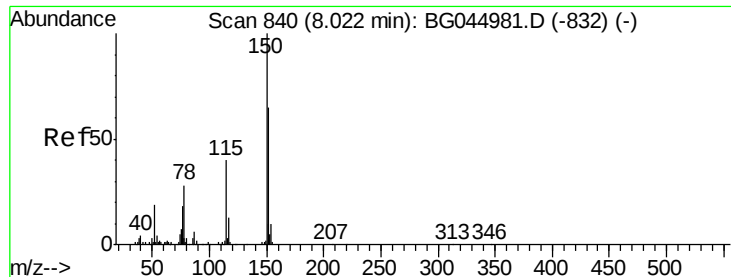
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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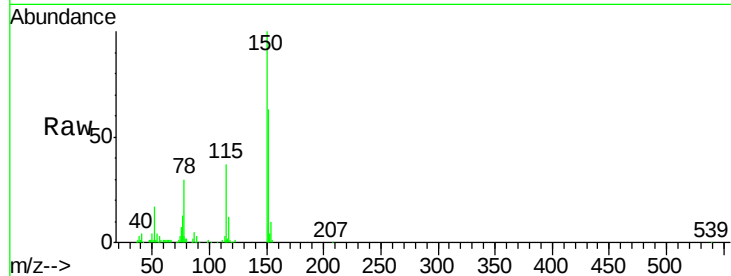


#1

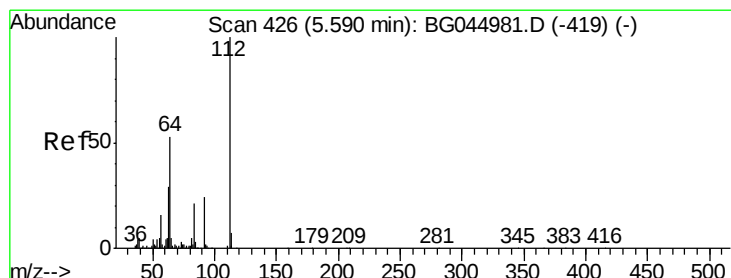
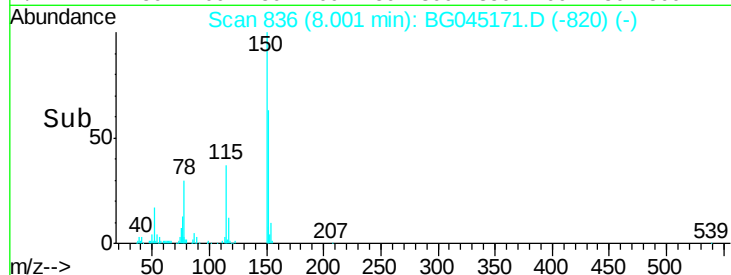
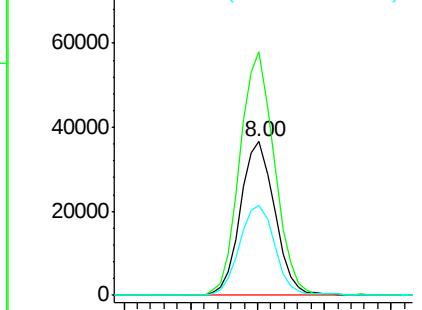
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045171.D
Acq: 24 Apr 2020 21:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	123.6	185.4
115	58.3	49.1	73.7



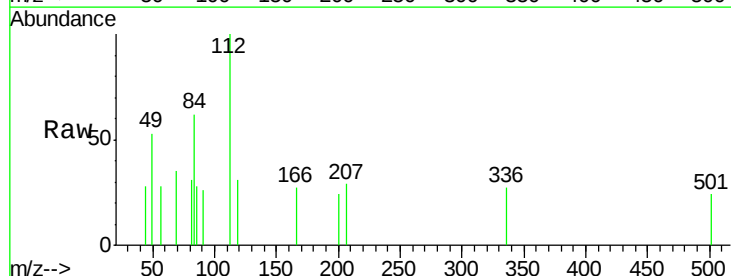
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



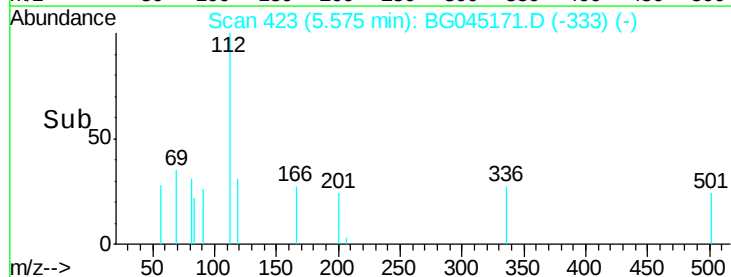
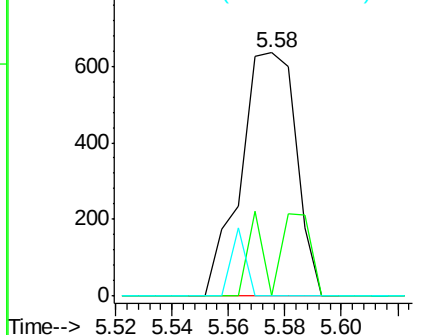
#5

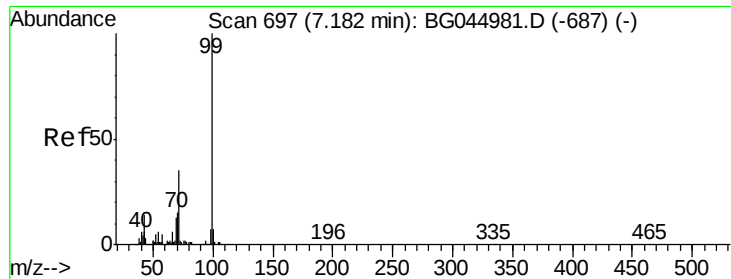
2-Fluorophenol
Concen: 0.219 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045171.D
Acq: 24 Apr 2020 21:43

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



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 2.391 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Instrument :

BNA_G

ClientSampleId :

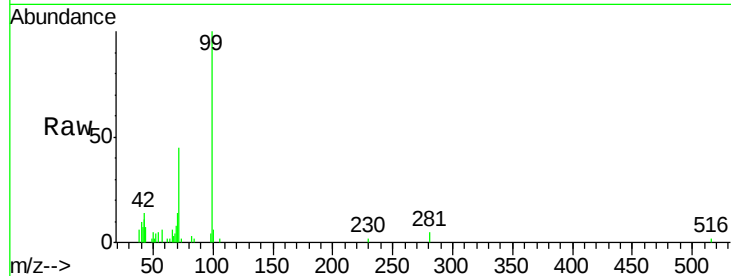
Tot Ion: 99 Resp: 14022

Ion Ratio Lower Upper

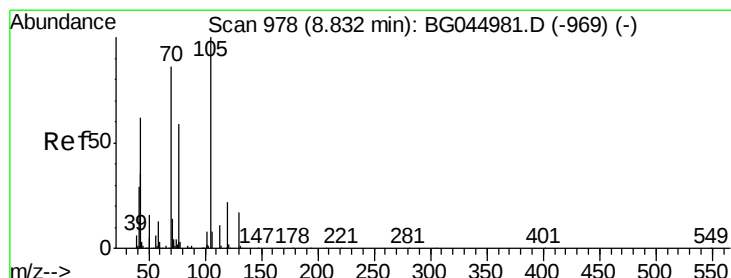
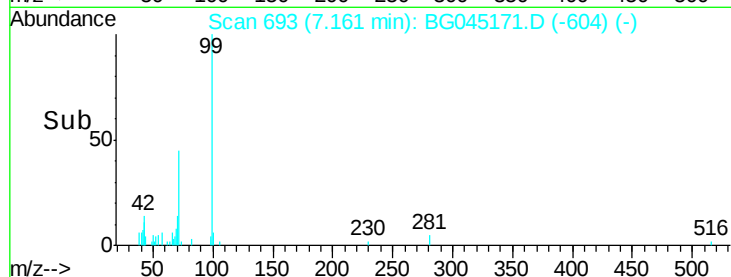
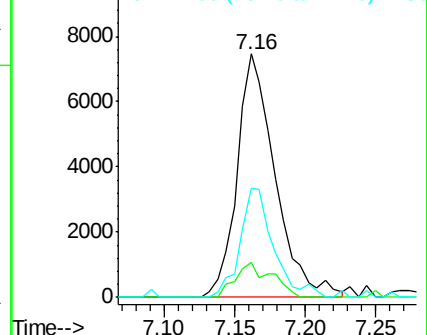
99 100

42 14.3 11.3 16.9

71 45.0 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: 7.425 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Tgt Ion: 70 Resp: 30799

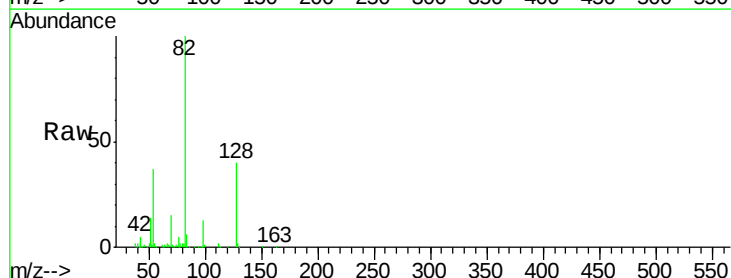
Ion Ratio Lower Upper

70 100

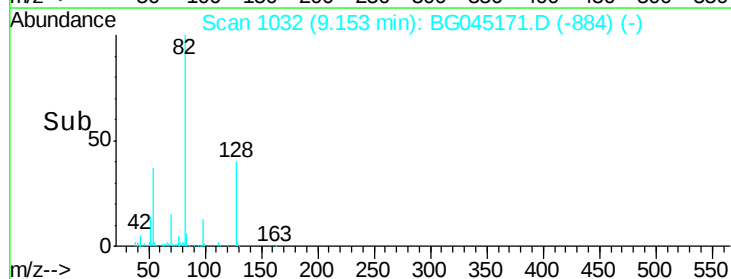
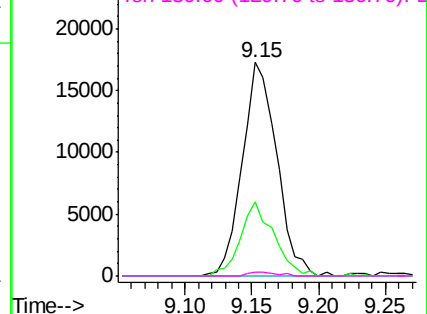
42 34.8 33.3 49.9

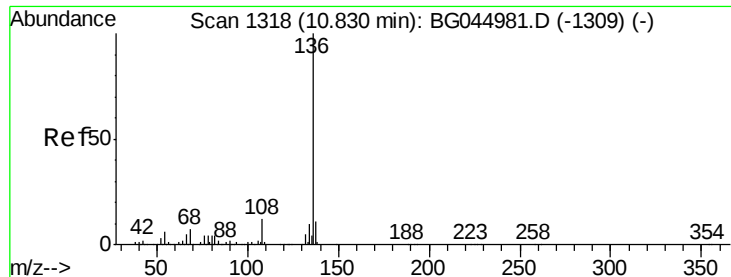
101 0.0 7.8 11.8#

130 1.9 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

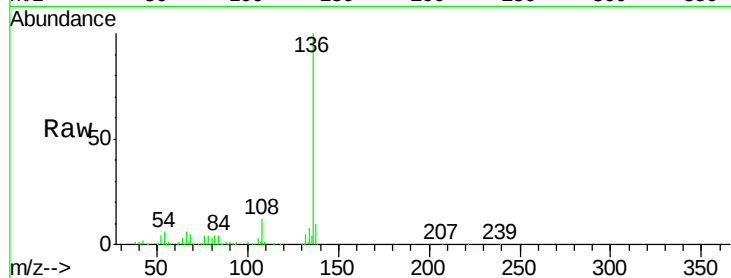




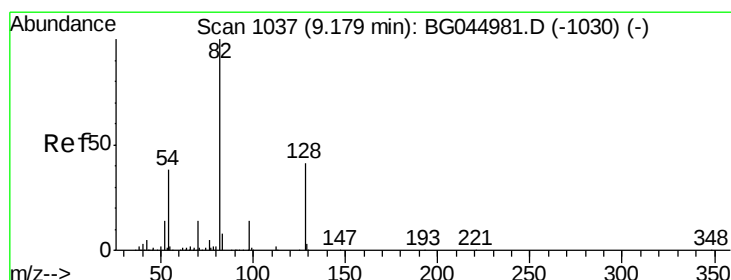
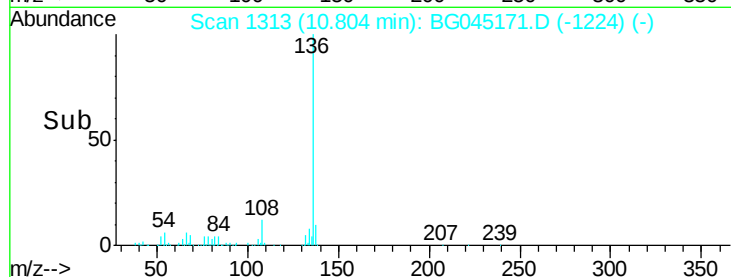
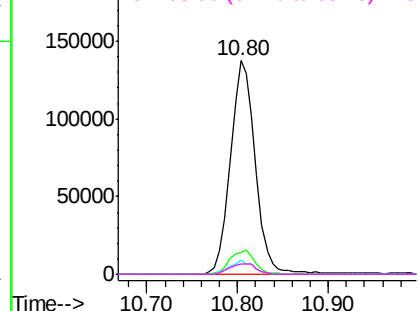
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045171.D
Acq: 24 Apr 2020 21:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	261381
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.6 13.0
54	6.4	4.8 7.2
68	4.8	5.2 7.8#

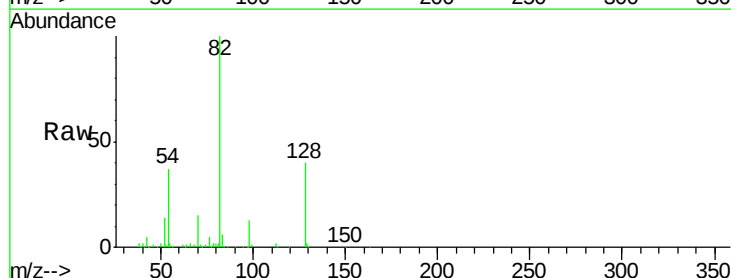


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

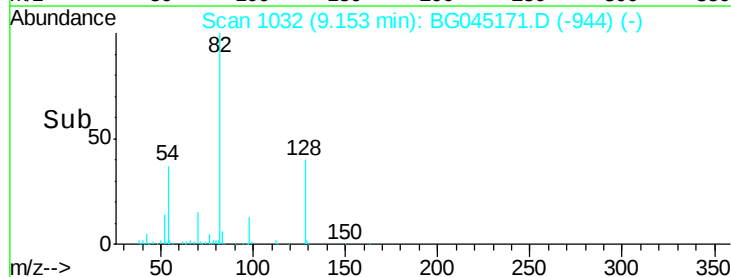
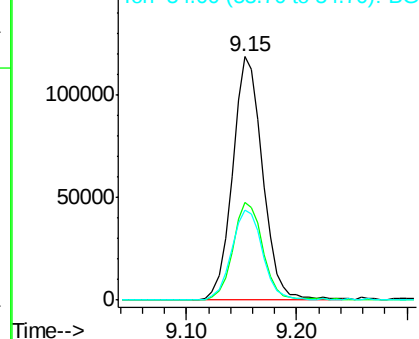


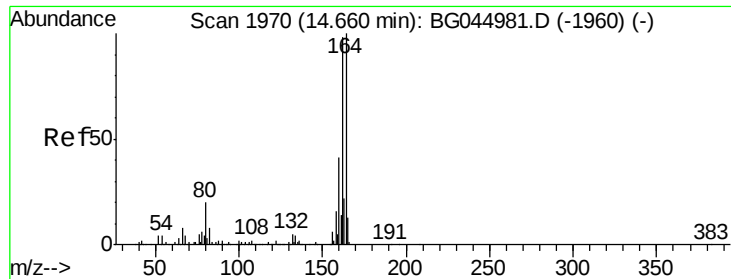
#23
Nitrobenzene-d5
Concen: 39.562 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BG045171.D
Acq: 24 Apr 2020 21:43

Tgt Ion: 82	Resp:	226630
Ion Ratio	Lower	Upper
82	100	
128	40.0	33.0 49.4
54	37.2	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

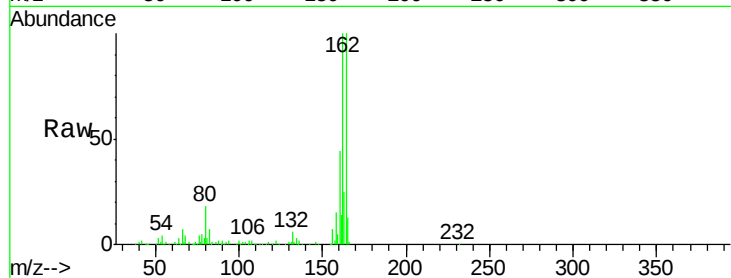
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 178797

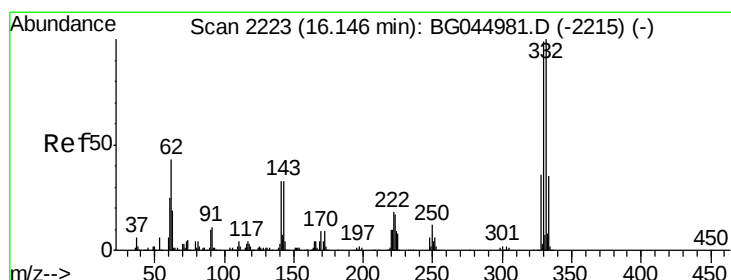
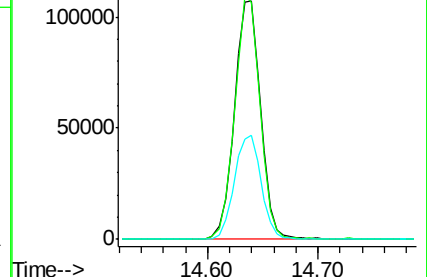
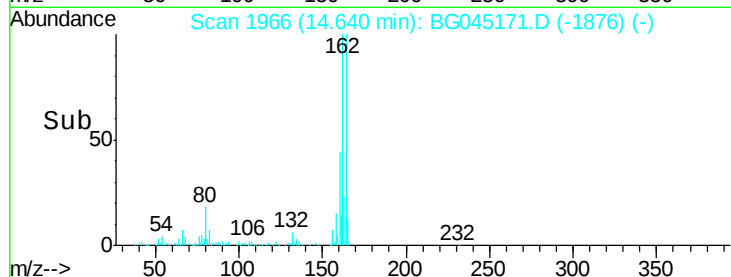
Ion	Ratio	Lower	Upper
164	100		
162	99.7	78.7	118.1
160	43.7	32.8	49.2



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: 0.064 ng

RT: 16.13 min Scan# 2220

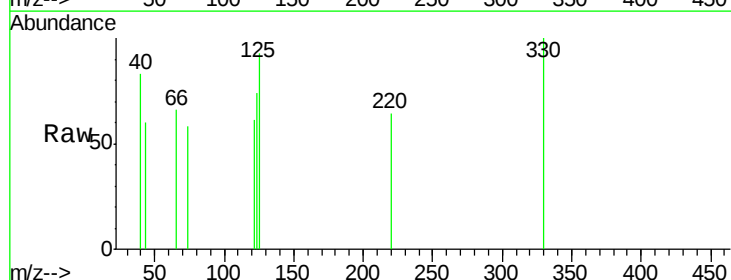
Delta R.T. -0.00 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Tgt Ion:330 Resp: 177

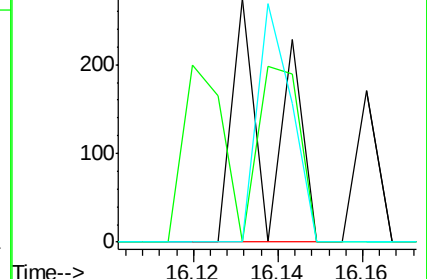
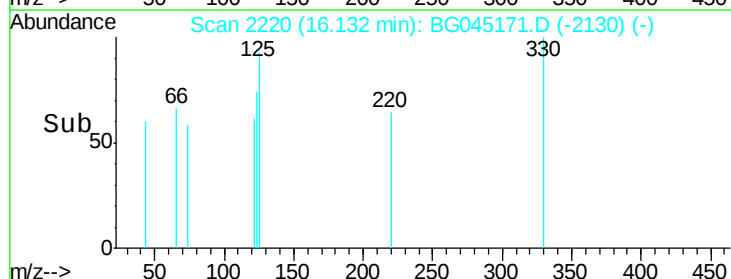
Ion	Ratio	Lower	Upper
330	100		
332	76.8	79.1	118.7#
141	84.7	27.1	40.7#

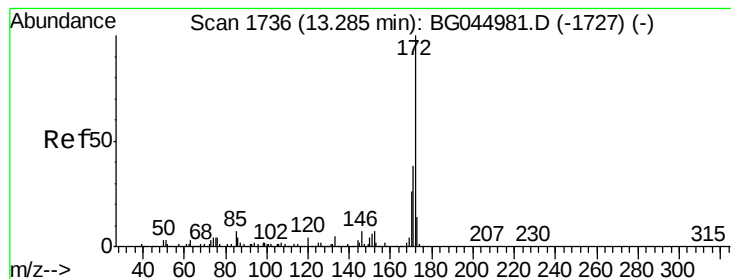


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 44.261 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

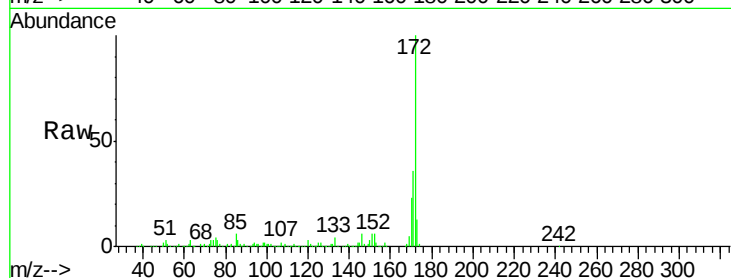
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 539696

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.6	46.0
170	23.3	20.5	30.7

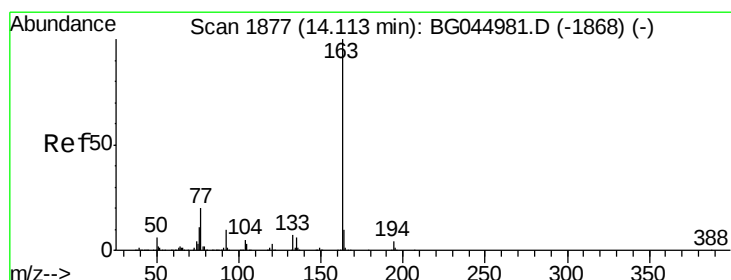
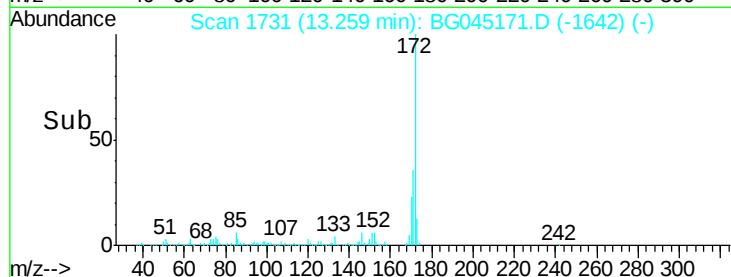
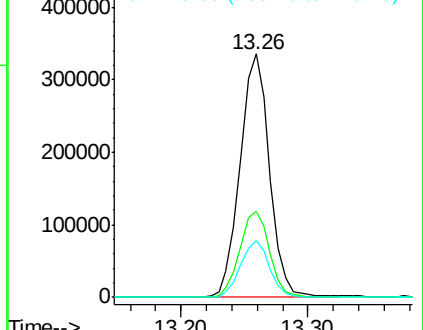


Abundance

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



#50

Dimethylphthalate

Concen: 3.827 ng

RT: 14.09 min Scan# 1872

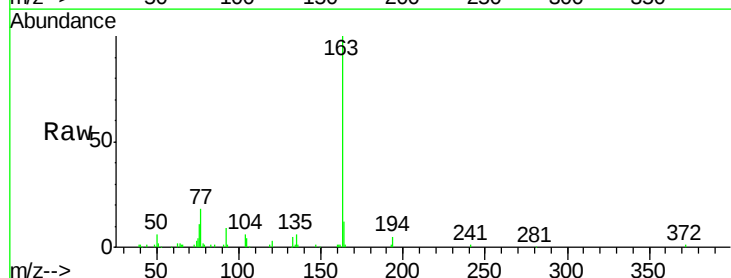
Delta R.T. -0.01 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Tgt Ion:163 Resp: 55717

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	11.9	8.2	12.4

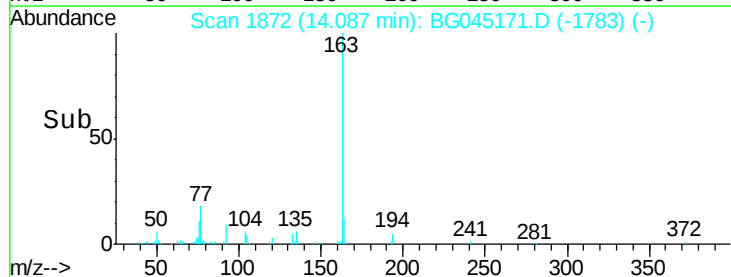
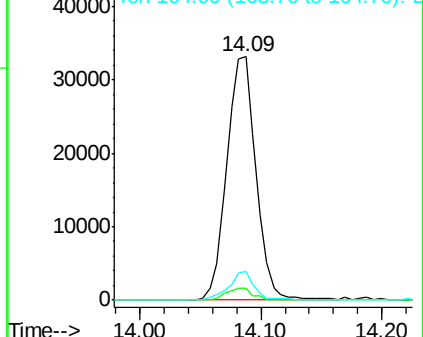


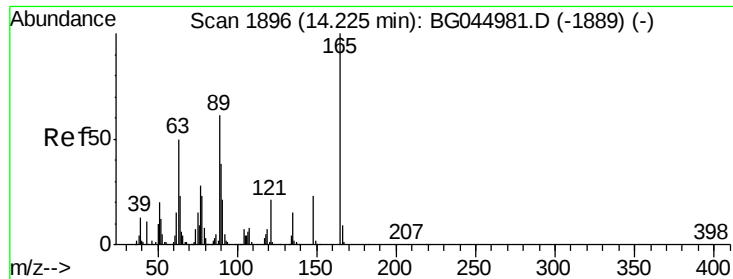
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

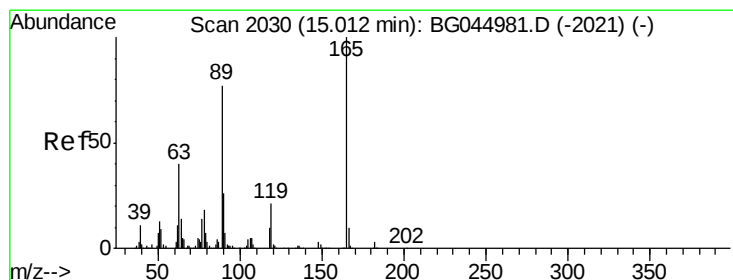
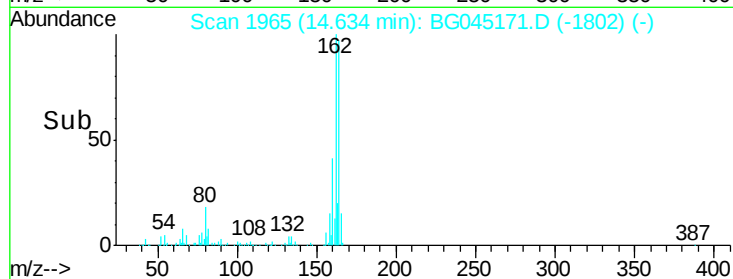
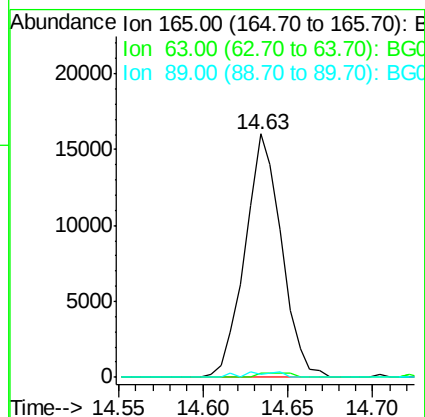
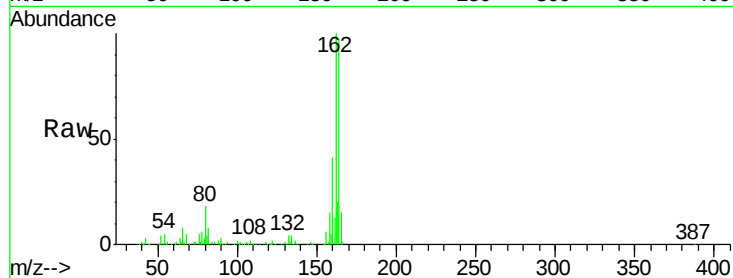




#51
2,6-Dinitrotoluene
Concen: 7.402 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.43 min
Lab File: BG045171.D
Acq: 24 Apr 2020 21:43

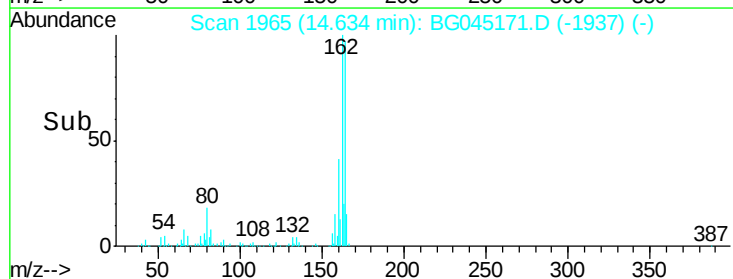
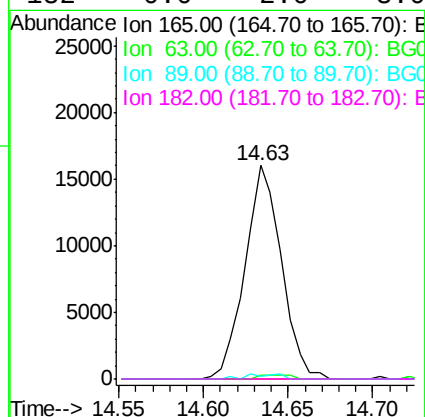
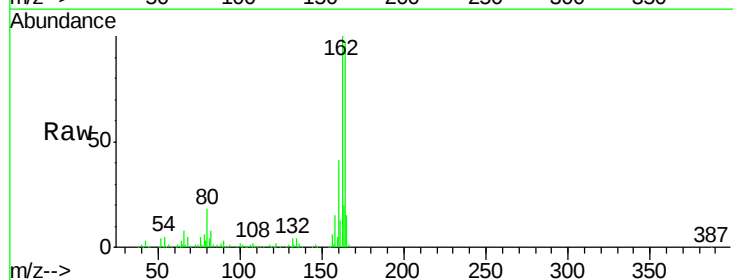
Instrument :
BNA_G
ClientSampleId :

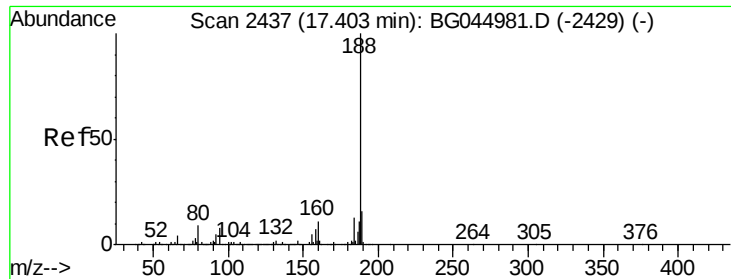
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.4	60.6#
89	1.2	49.1	73.7#



#57
2,4-Dinitrotoluene
Concen: 5.065 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.37 min
Lab File: BG045171.D
Acq: 24 Apr 2020 21:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.2	48.2#
89	1.2	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Instrument :

BNA_G

ClientSampleId :

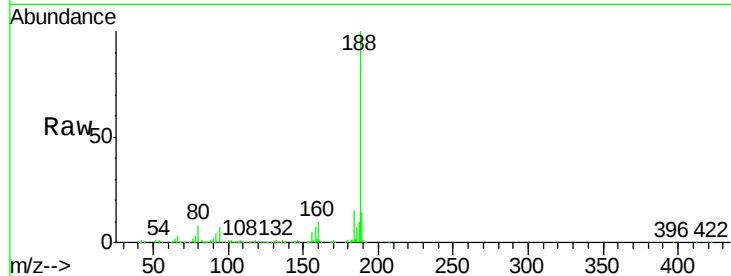
Tot Ion:188 Resp: 432534

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

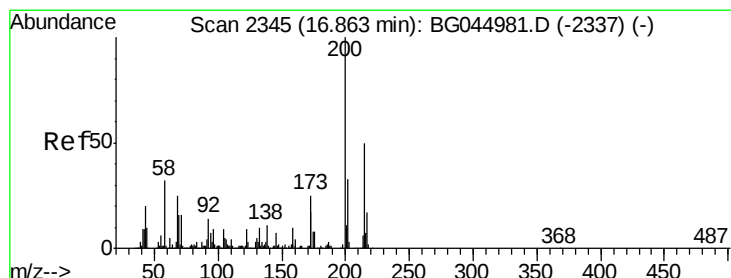
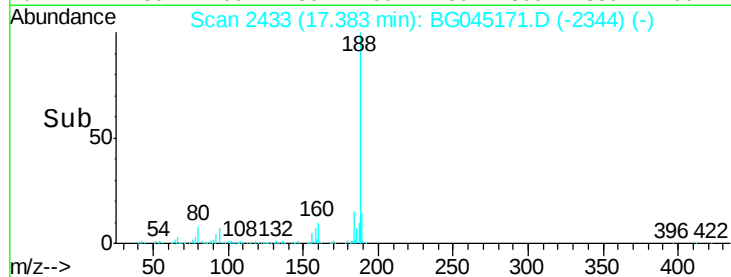
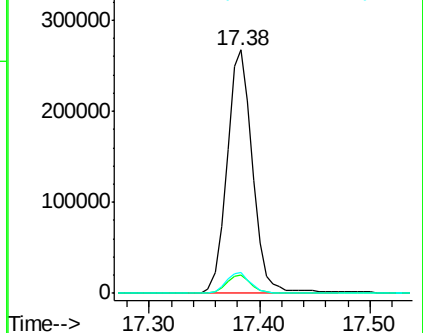
80 8.4 7.0 10.6



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: 16.87 min Scan# 2345

Delta R.T. 0.02 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

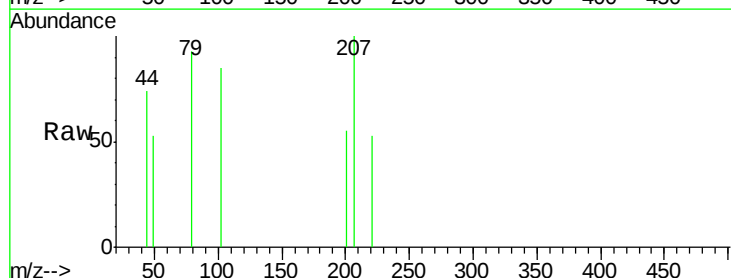
Tgt Ion:200 Resp: 57

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

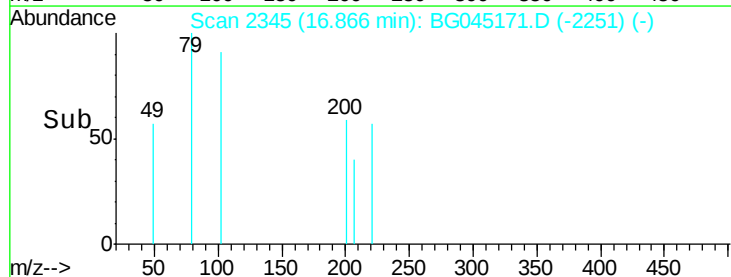
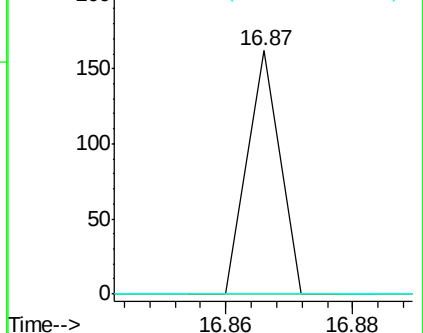
215 0.0 30.0 70.0#

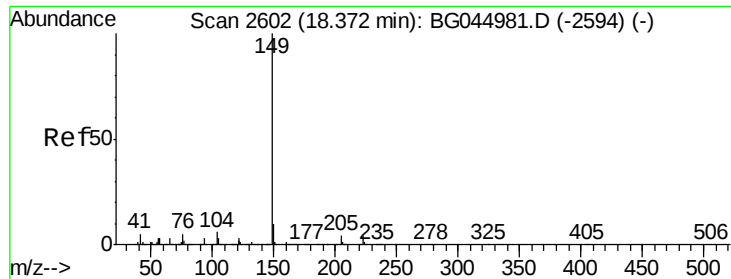


Abundance Ion 200.00 (199.70 to 200.70): E

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# 2598

Delta R.T. -0.00 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Instrument :

BNA_G

ClientSampleId :

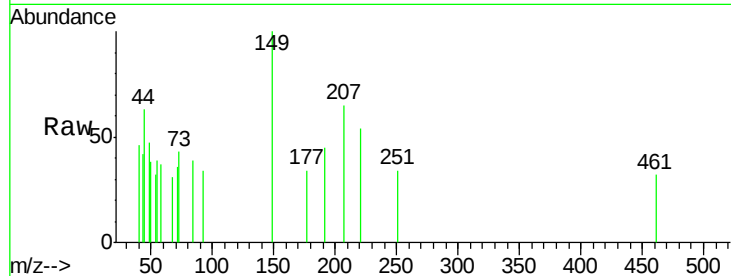
Tot Ion:149 Resp: 470

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

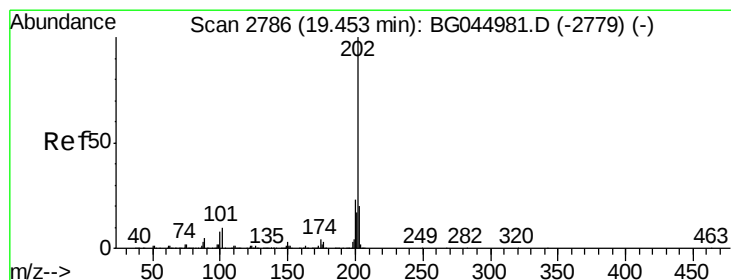
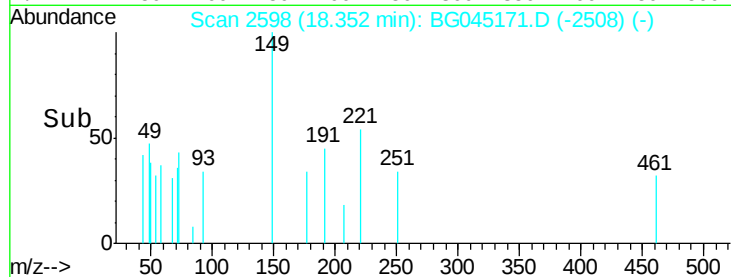
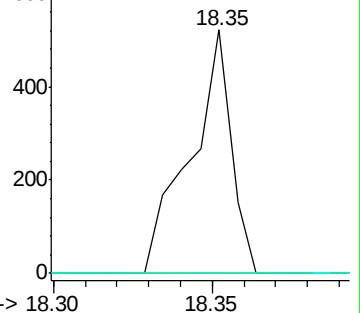
104 0.0 4.8 7.2#



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: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

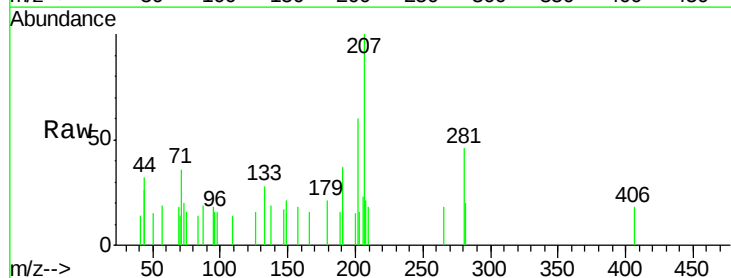
Tgt Ion:202 Resp: 529

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

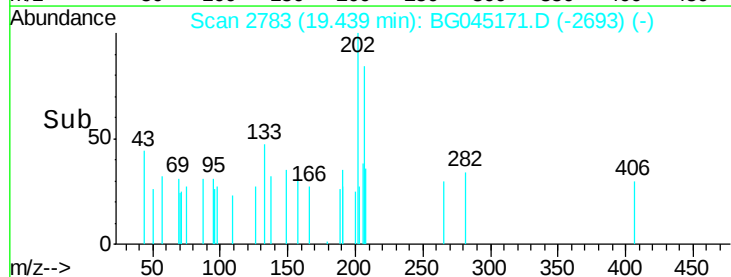
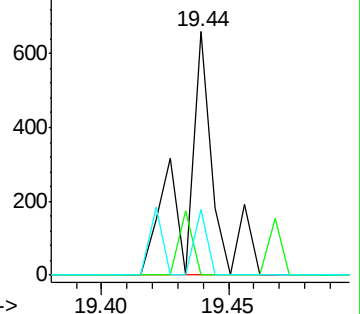
203 27.1 0.0 39.7

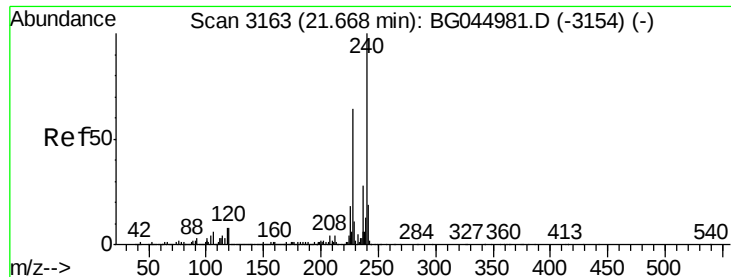


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3158

Delta R.T. -0.02 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Instrument :

BNA_G

ClientSampleId :

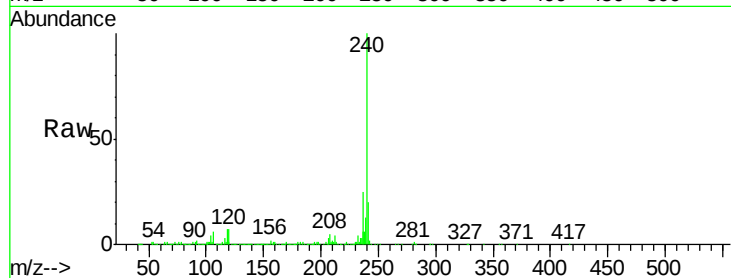
Tot Ion:240 Resp: 458939

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

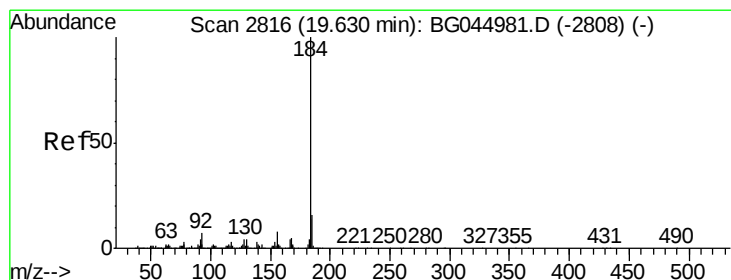
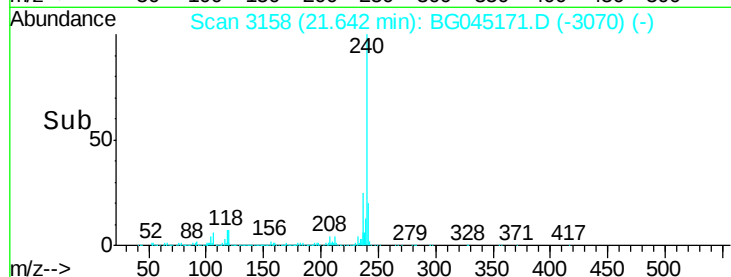
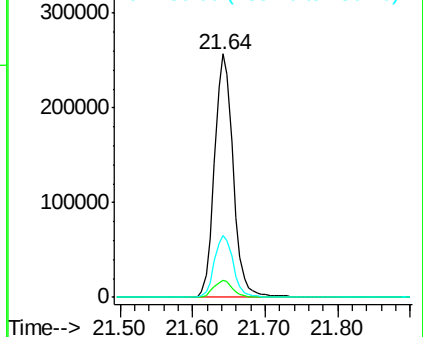
236 25.2 22.2 33.2



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: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

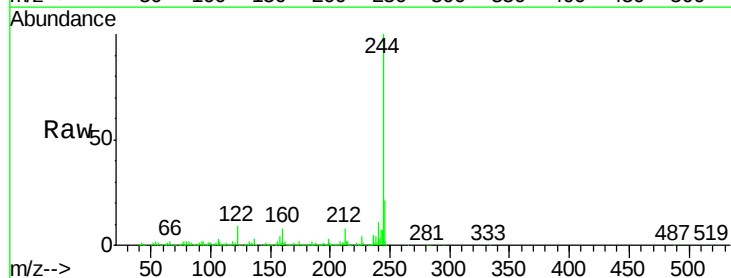
Tgt Ion:184 Resp: 16448

Ion Ratio Lower Upper

184 100

185 15.0 12.6 19.0

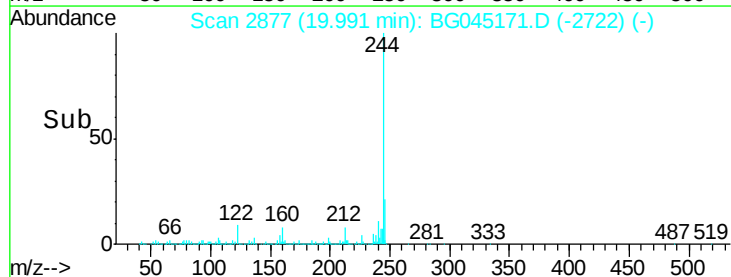
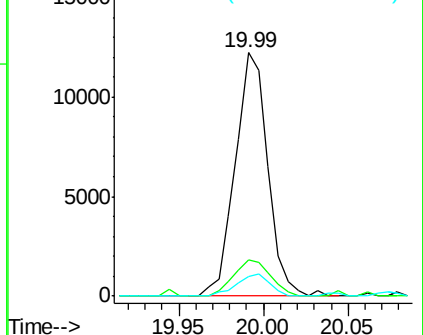
183 7.9 11.3 16.9#

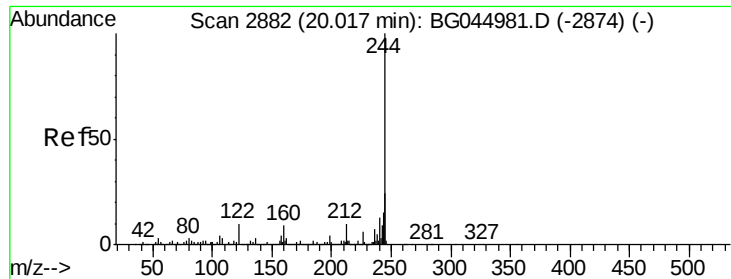


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 48.272 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

Instrument :

BNA_G

ClientSampleId :

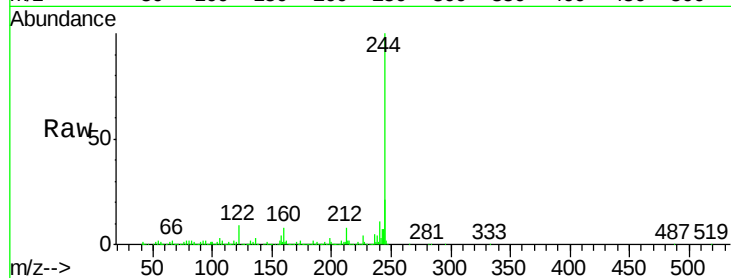
Tot Ion:244 Resp: 1016438

Ion Ratio Lower Upper

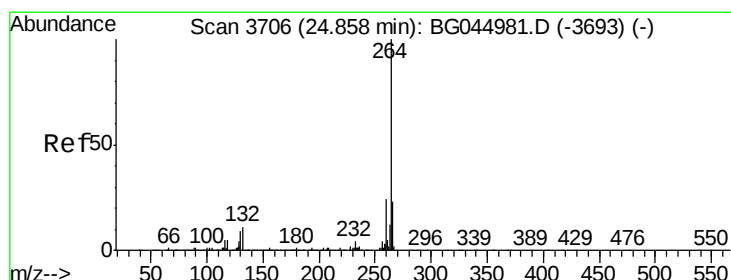
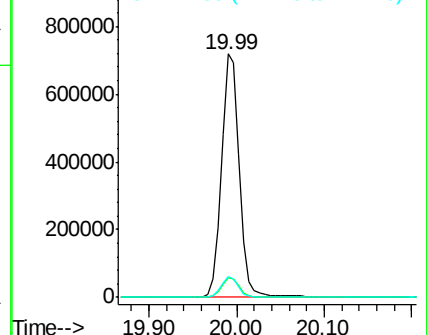
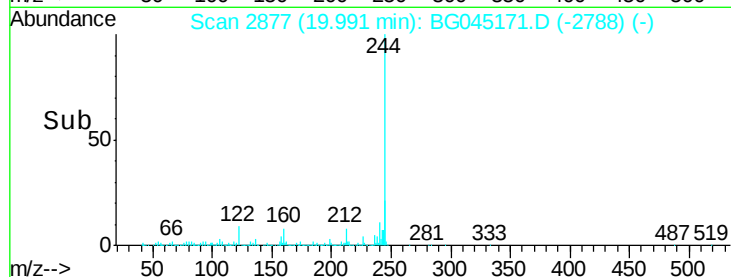
244 100

212 8.2 7.9 11.9

122 8.8 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

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3698

Delta R.T. -0.02 min

Lab File: BG045171.D

Acq: 24 Apr 2020 21:43

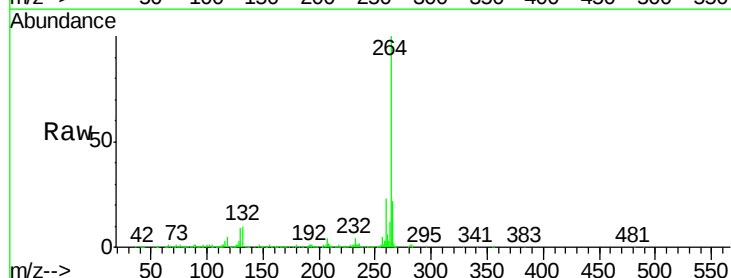
Tgt Ion:264 Resp: 486039

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.0 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

