

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045085.D
 Acq On : 19 Apr 2020 3:00
 Operator : CG/JU
 Sample : L2249-01 5X
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Apr 20 00:28:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

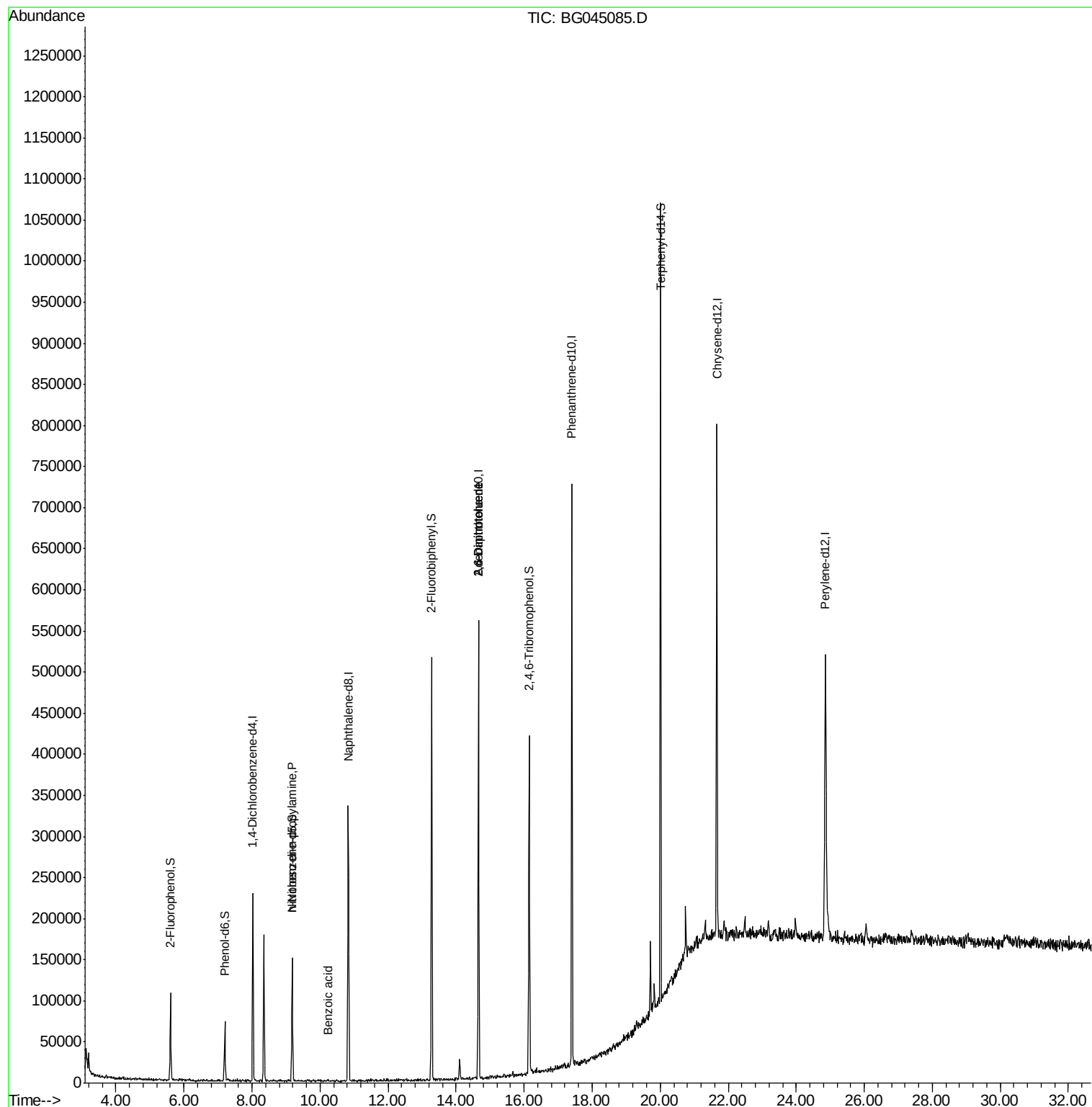
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	66385	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	303210	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	210887	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	449741	20.00	ng	0.00
76) Chrysene-d12	21.67	240	399474	20.00	ng	0.00
87) Perylene-d12	24.86	264	430215	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	53948	13.42	ng	0.00
7) Phenol-d6	7.20	99	51645	8.64	ng	0.01
23) Nitrobenzene-d5	9.18	82	105237	15.84	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	90253	27.70	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	282899	19.67	ng	0.00
79) Terphenyl-d14	20.01	244	479348	26.15	ng	0.00
Target Compounds						
9) Benzaldehyde	7.16	77	348	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	14637	3.464 ng	#	81
32) Benzoic acid	10.25	122	89	6.394 ng	#	31
51) 2,6-Dinitrotoluene	14.65	165	26797	6.977 ng	#	26
57) 2,4-Dinitrotoluene	14.65	165	26797	4.774 ng	#	23
69) Atrazine	16.76	200	61	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1584	Below Cal	#	76
75) Fluoranthene	19.27	202	161	Below Cal	#	62
77) Benzydine	19.64	184	384	Below Cal	#	1

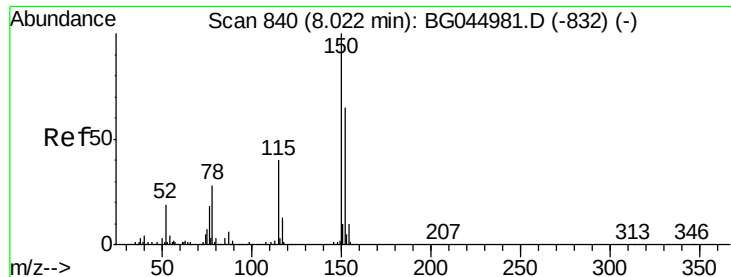
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_G
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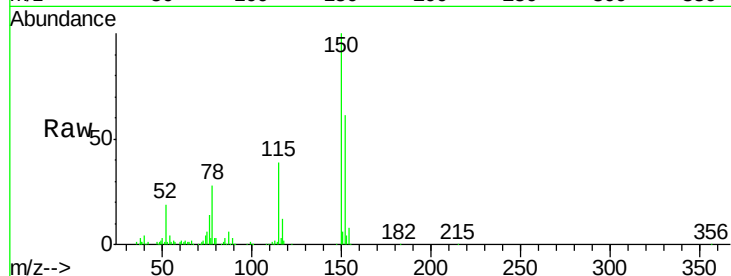


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

Instrument :
BNA_G
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	123.6	185.4
115	63.1	49.1	73.7

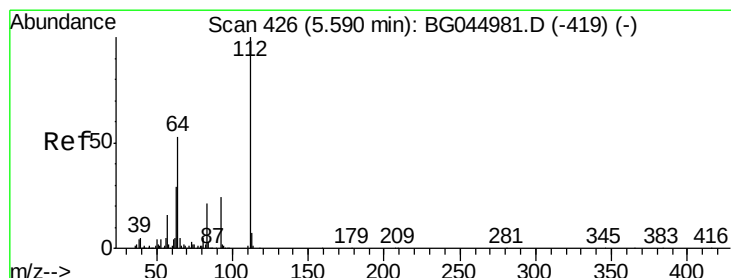
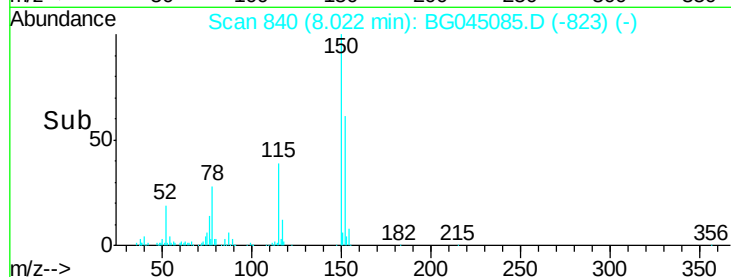
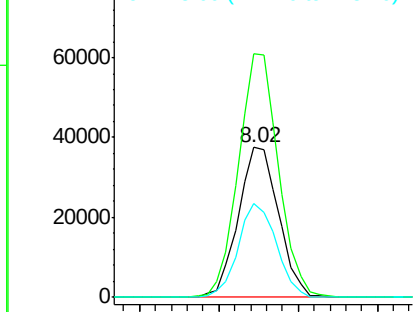


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

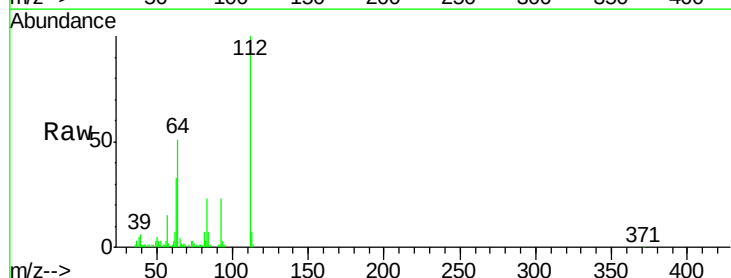
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.416 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.4	63.6
63	33.0	23.1	34.7

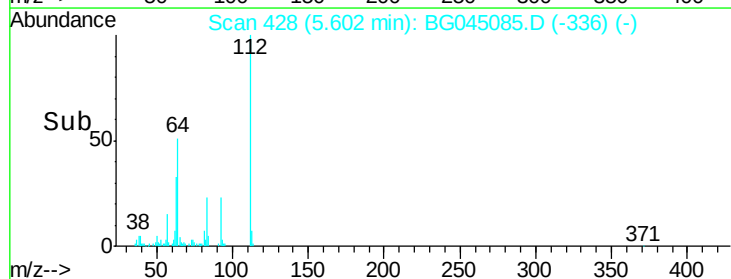
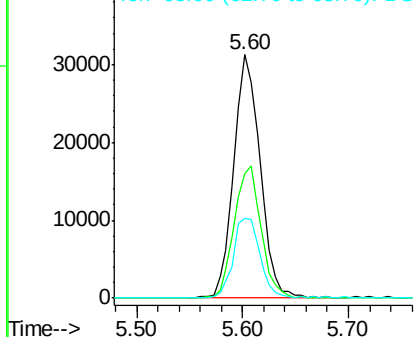


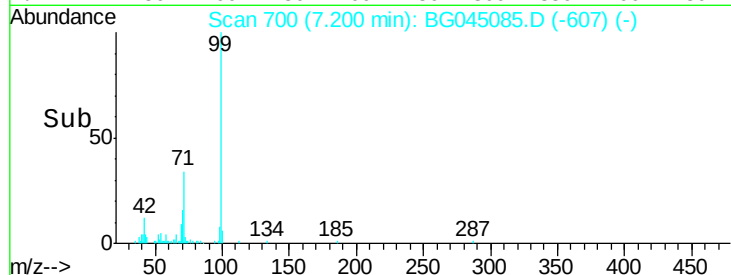
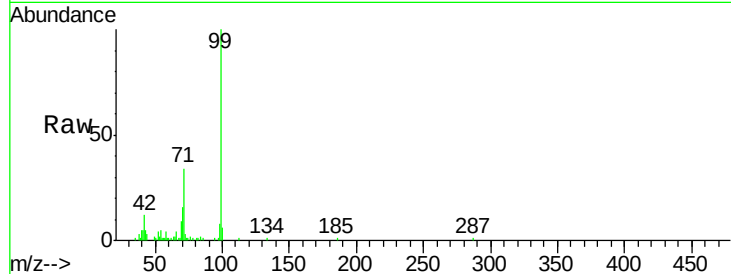
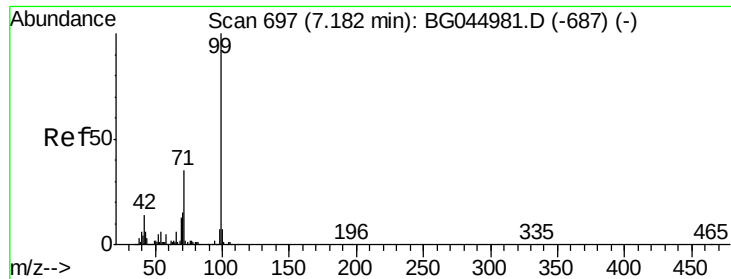
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 8.645 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

Instrument :

BNA_G

ClientSampleId :

WC-1

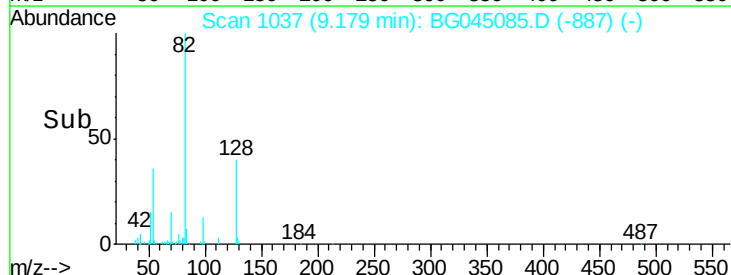
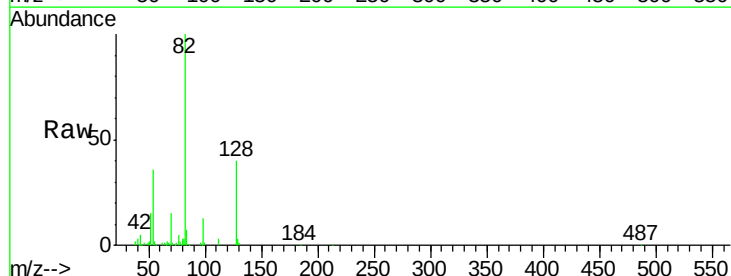
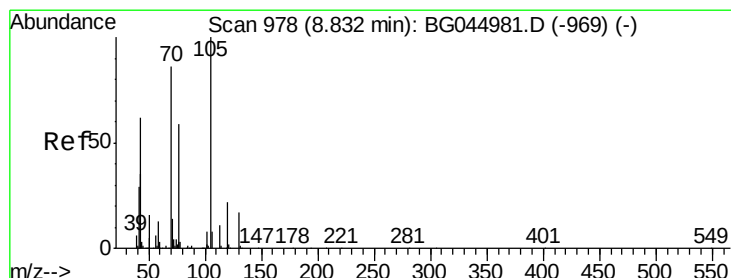
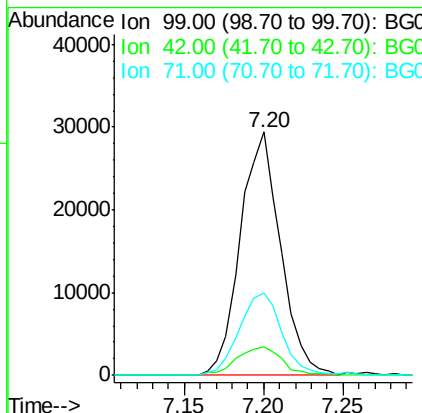
Tot Ion: 99 Resp: 51645

Ion Ratio Lower Upper

99 100

42 11.7 11.3 16.9

71 33.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 3.464 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

Tgt Ion: 70 Resp: 14637

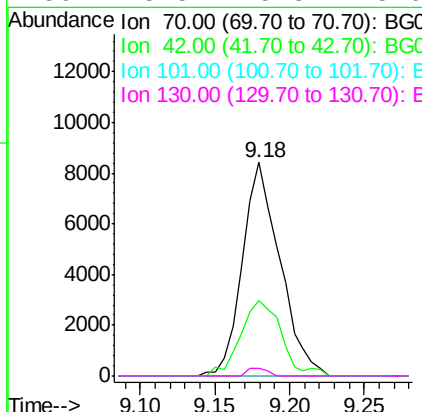
Ion Ratio Lower Upper

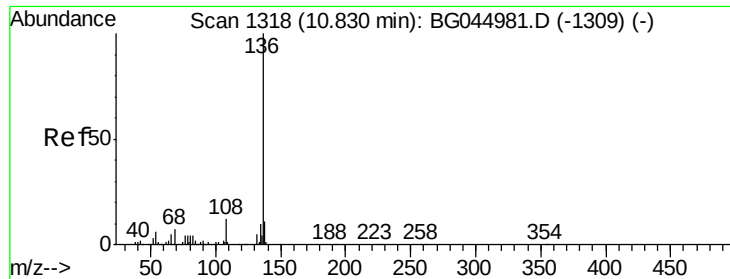
70 100

42 35.6 33.3 49.9

101 0.0 7.8 11.8#

130 3.5 15.8 23.6#

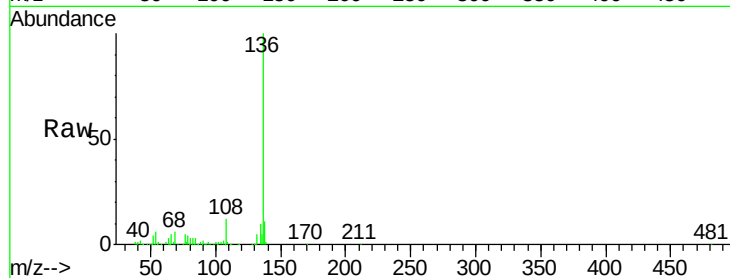




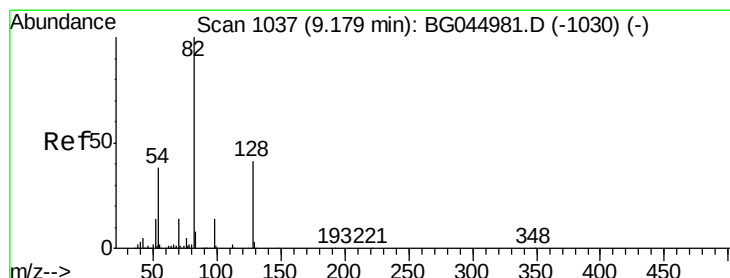
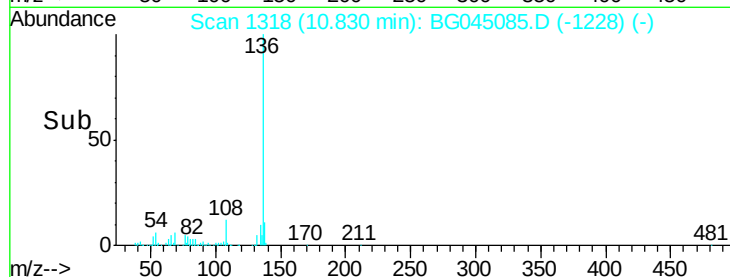
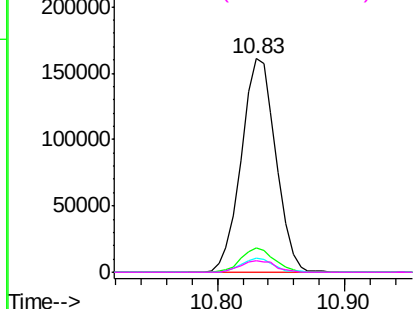
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

Instrument :
BNA_G
ClientSampleId :
WC-1

Tot Ion:136	Resp:	303210
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.6	13.0
54 6.4	4.8	7.2
68 5.6	5.2	7.8

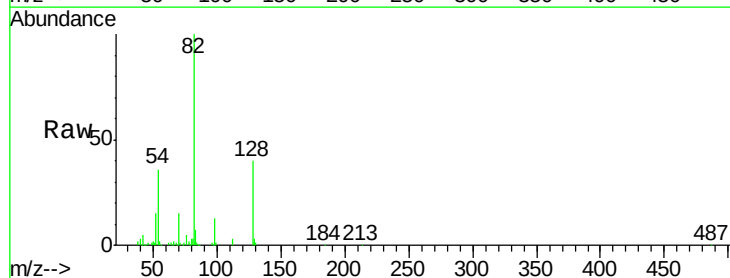


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

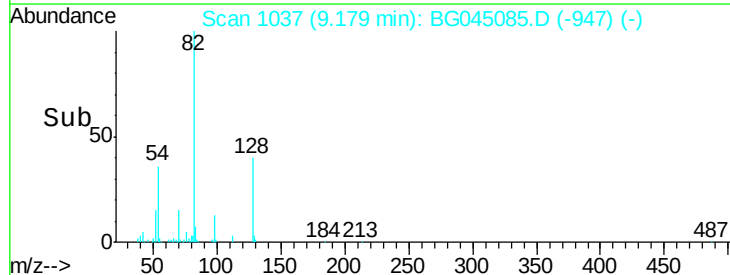
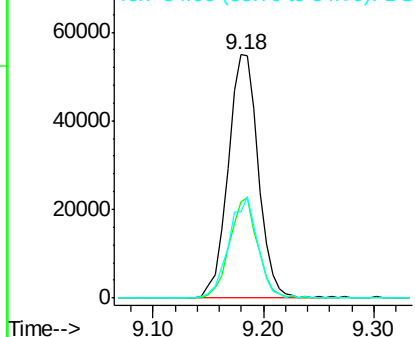


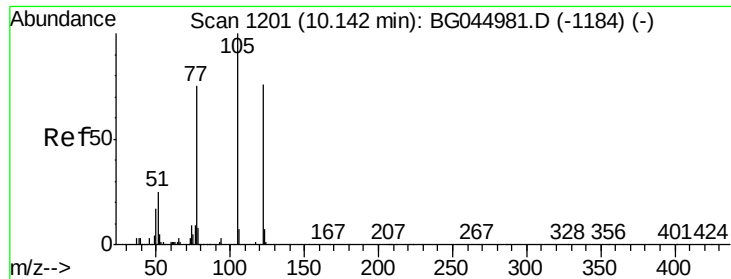
#23
Nitrobenzene-d5
Concen: 15.837 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

Tgt Ion: 82	Resp: 105237
Ion Ratio	Lower Upper
82 100	
128 39.6	33.0 49.4
54 35.6	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

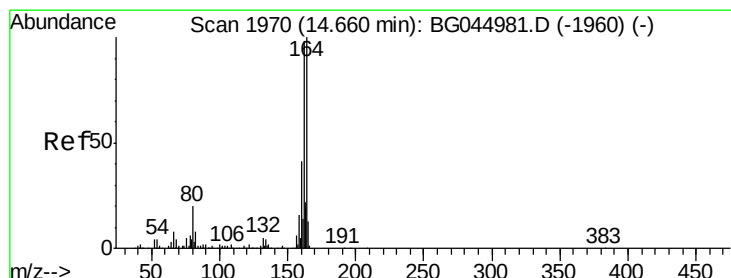
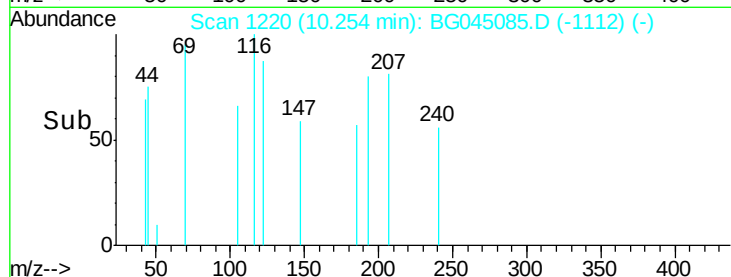
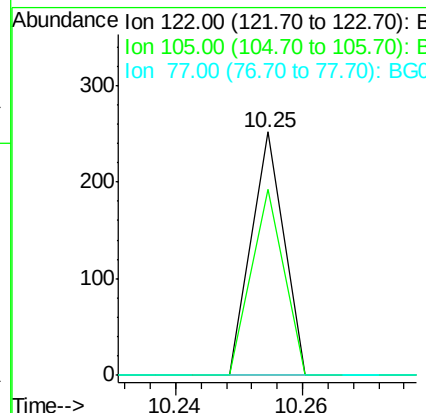
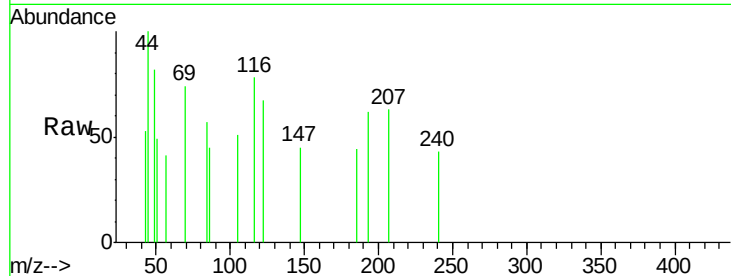




#32
Benzoic acid
Concen: 6.394 ng
RT: 10.25 min Scan# 1220
Delta R.T. 0.10 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

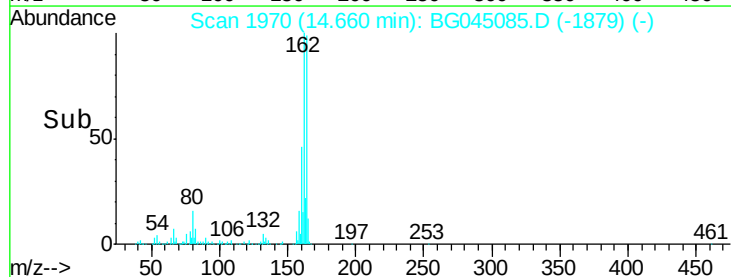
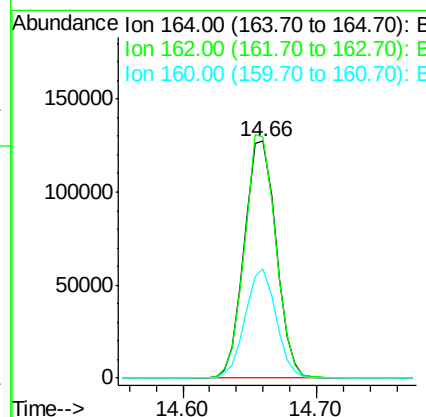
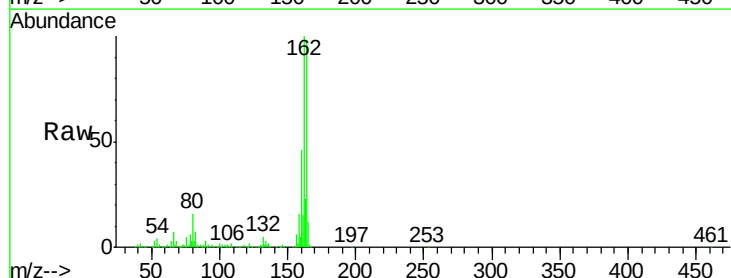
Instrument :
BNA_G
ClientSampleId :
WC-1

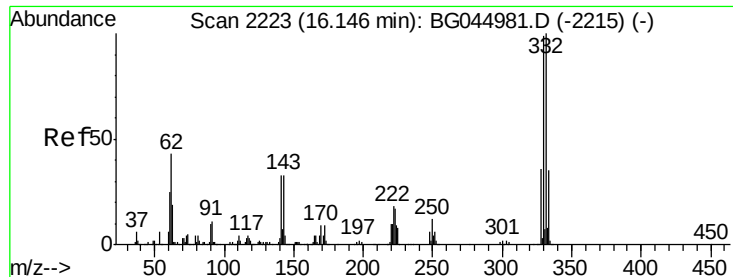
Tot Ion	Ratio	Lower	Upper
122	100		
105	76.2	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.7	118.1
160	46.3	32.8	49.2





#42

2,4,6-Tribromophenol

Concen: 27.703 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

Instrument :

BNA_G

ClientSampled :

WC-1

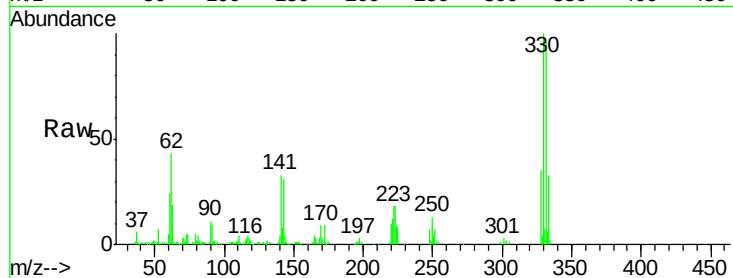
Tot Ion:330 Resp: 90253

Ion Ratio Lower Upper

330 100

332 100.2 79.1 118.7

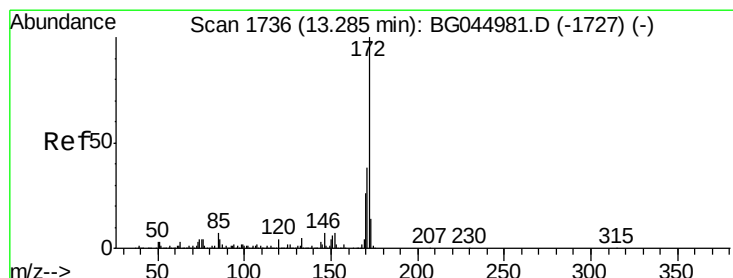
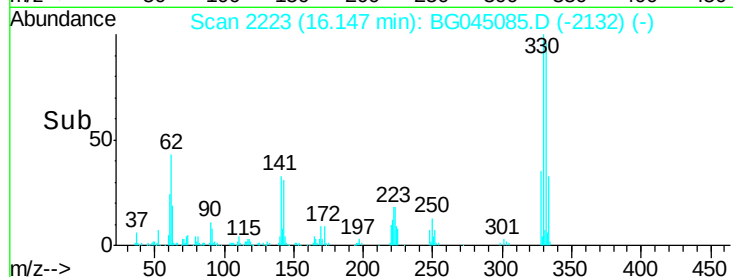
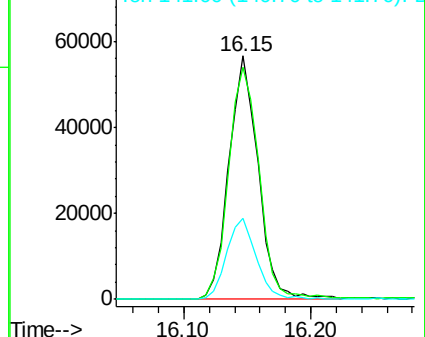
141 33.8 27.1 40.7



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: 19.670 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

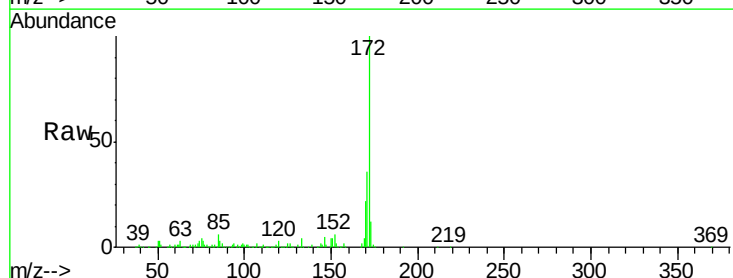
Tgt Ion:172 Resp: 282899

Ion Ratio Lower Upper

172 100

171 35.5 30.6 46.0

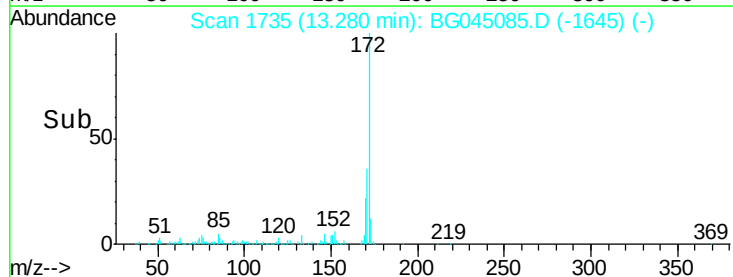
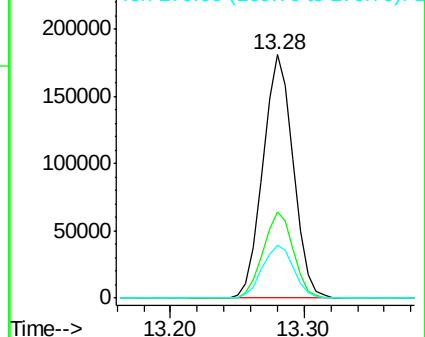
170 21.9 20.5 30.7

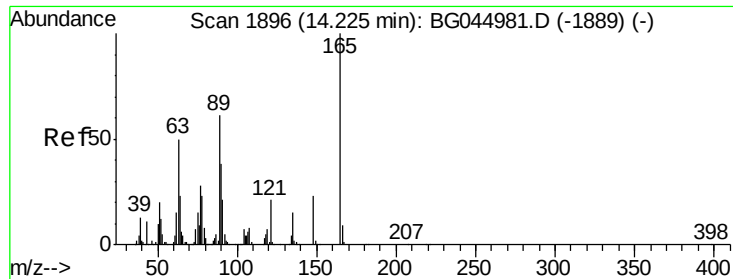


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

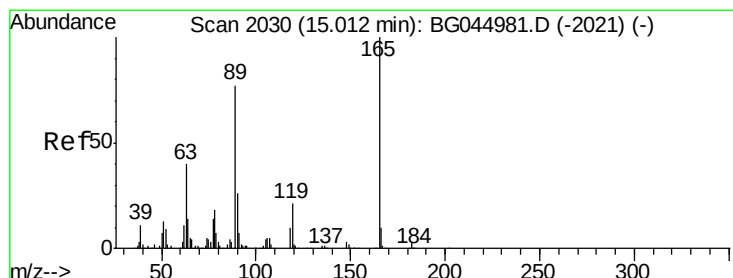
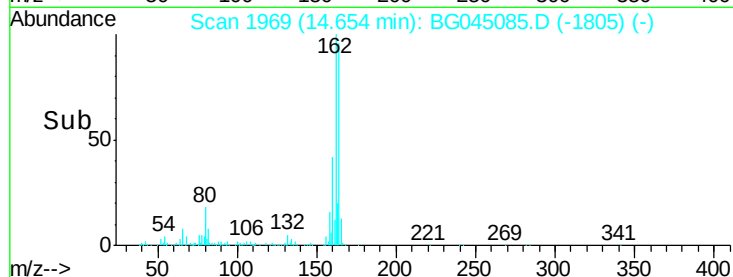
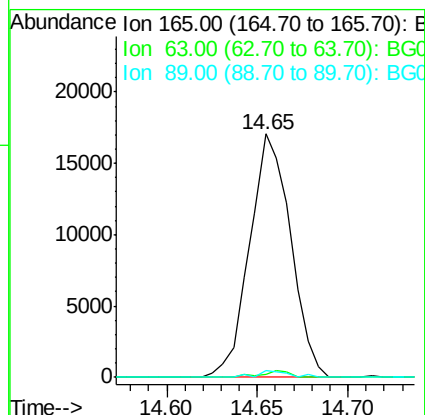
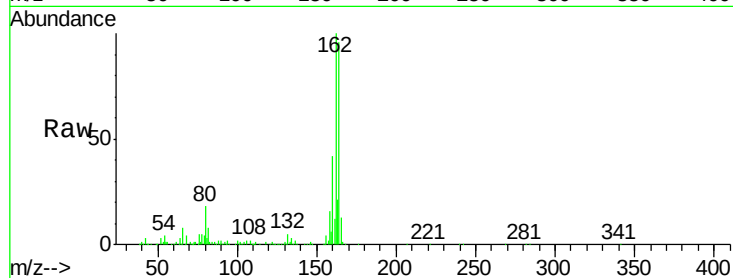




#51
 2,6-Dinitrotoluene
 Concen: 6.977 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045085.D
 Acq: 19 Apr 2020 3:00

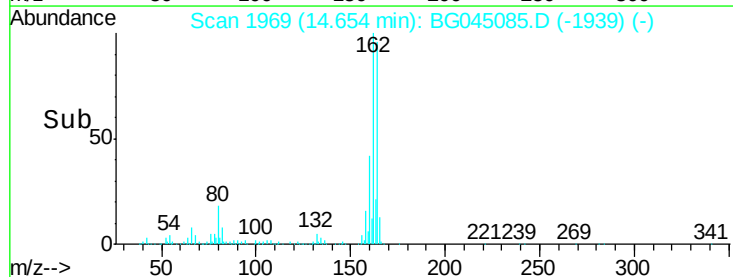
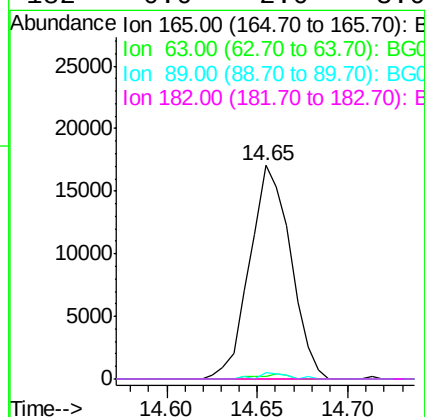
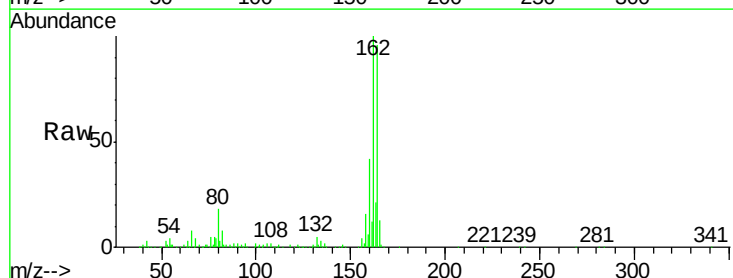
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

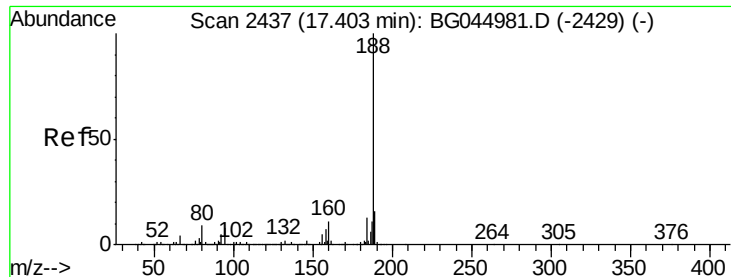
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.4	60.6#
89	2.8	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.774 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG045085.D
 Acq: 19 Apr 2020 3:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.2	48.2#
89	2.8	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. 0.00 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

Instrument :

BNA_G

ClientSampleId :

WC-1

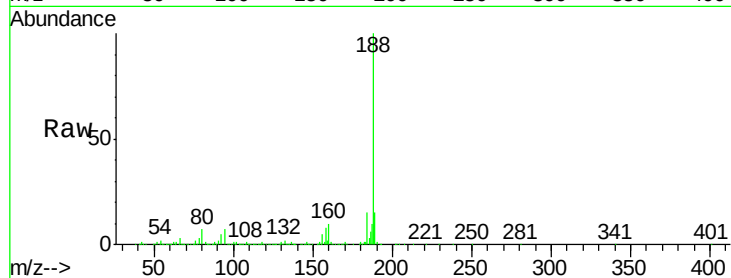
Tot Ion:188 Resp: 449741

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

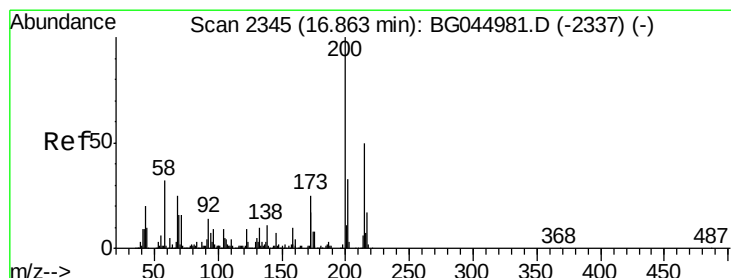
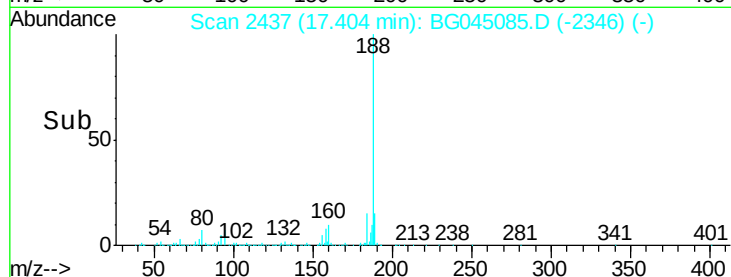
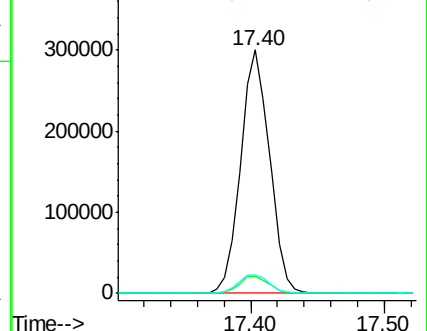
80 7.3 7.0 10.6



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: 16.76 min Scan# 2327

Delta R.T. -0.10 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

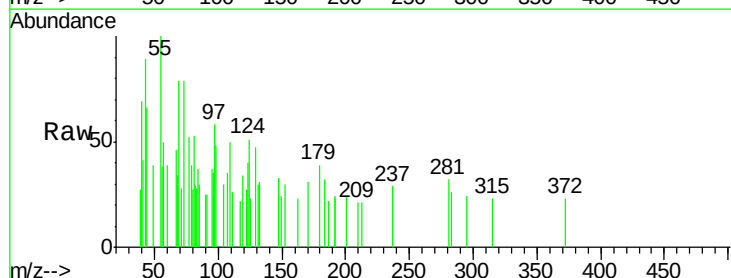
Tgt Ion:200 Resp: 61

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

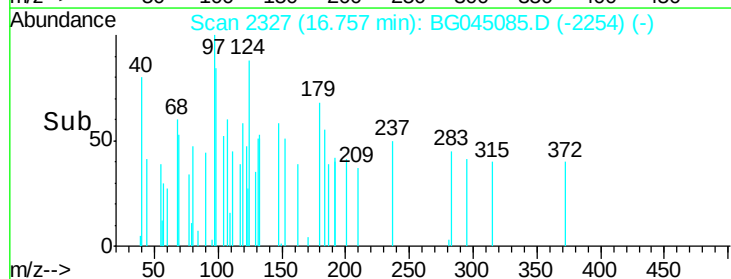
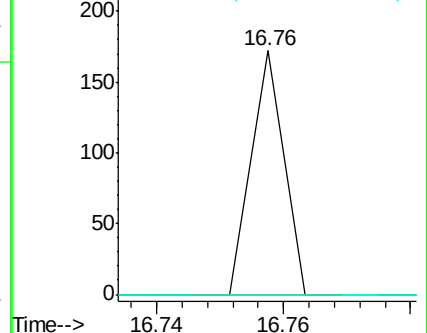
215 0.0 30.0 70.0#

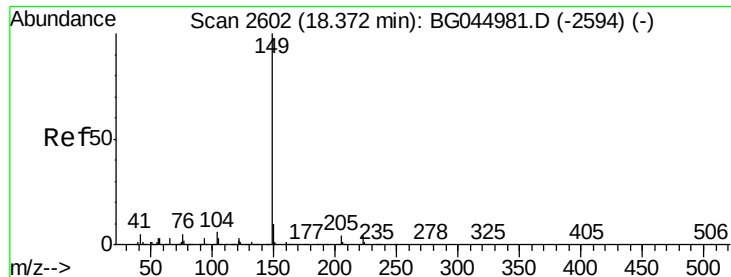


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

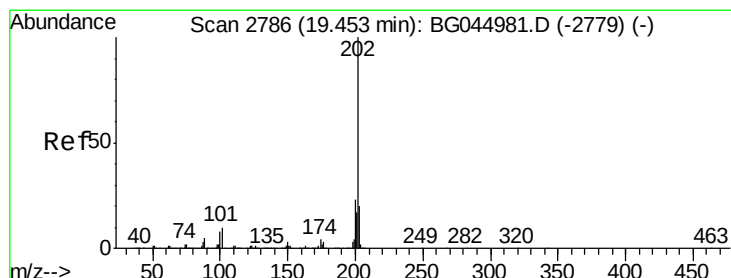
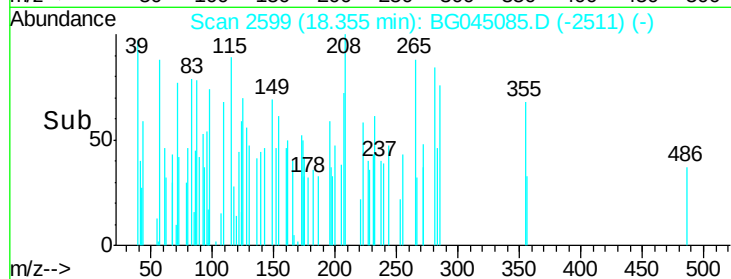
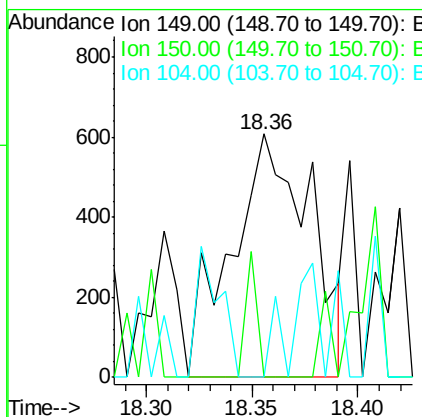
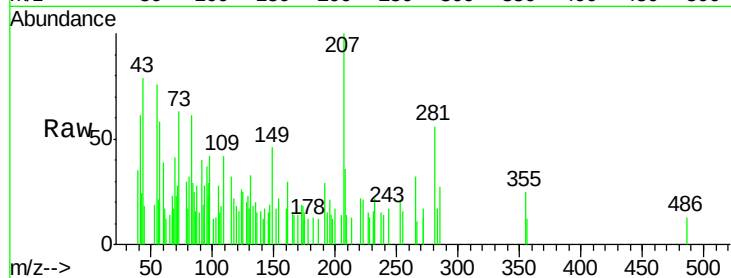




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

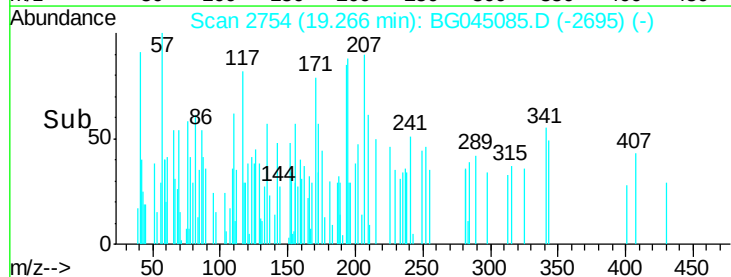
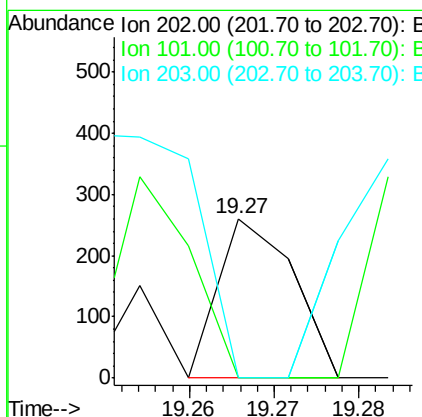
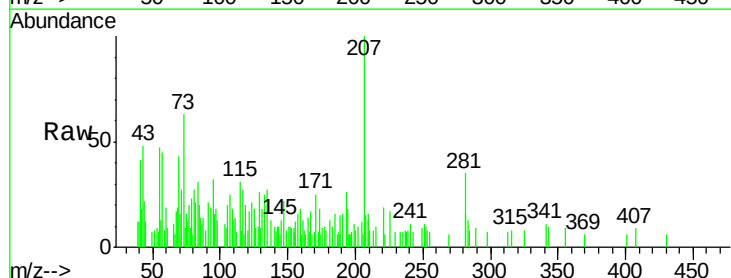
Instrument :
BNA_G
ClientSampleId :
WC-1

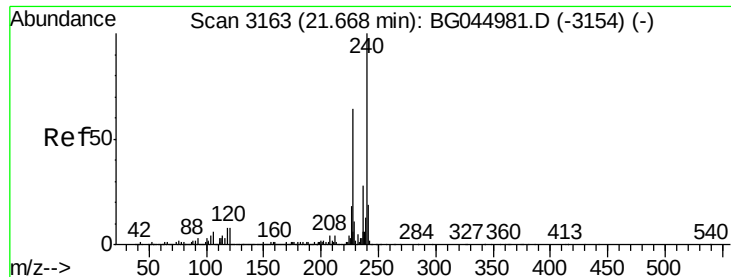
Tot Ion:149 Resp: 1584
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.27 min Scan# 2754
Delta R.T. -0.18 min
Lab File: BG045085.D
Acq: 19 Apr 2020 3:00

Tgt Ion:202 Resp: 161
Ion Ratio Lower Upper
202 100
101 0.0 0.0 29.6
203 0.0 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

Instrument :

BNA_G

ClientSampleId :

WC-1

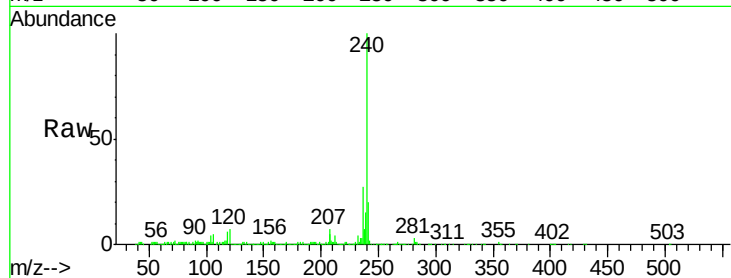
Tot Ion:240 Resp: 399474

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

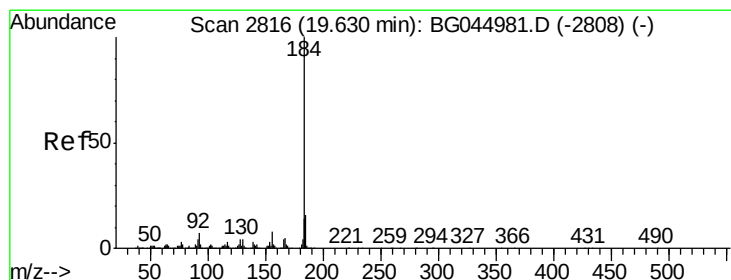
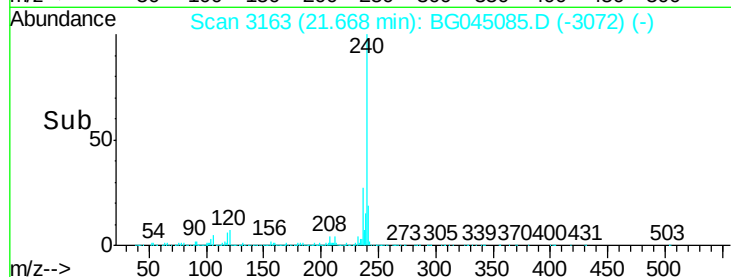
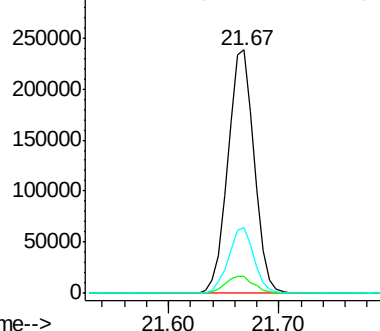
236 26.8 22.2 33.2



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: 19.64 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

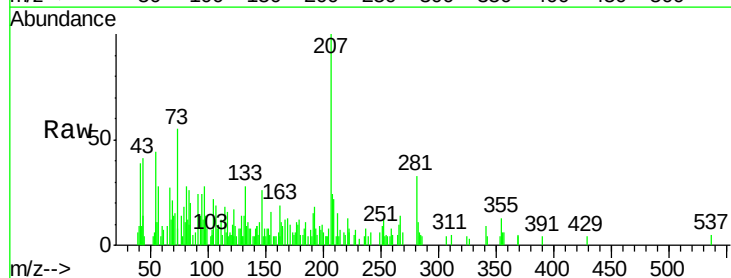
Tgt Ion:184 Resp: 384

Ion Ratio Lower Upper

184 100

185 140.1 12.6 19.0#

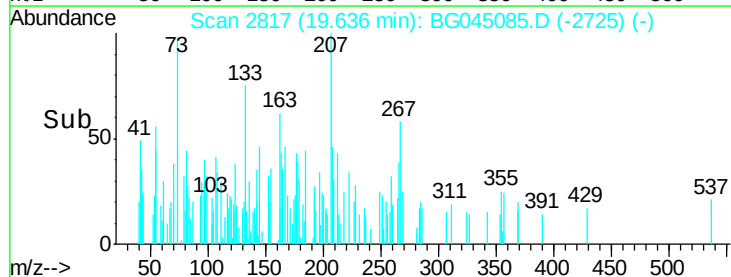
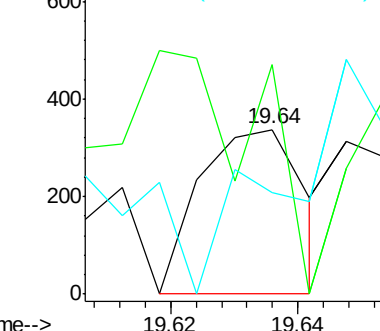
183 61.7 11.3 16.9#

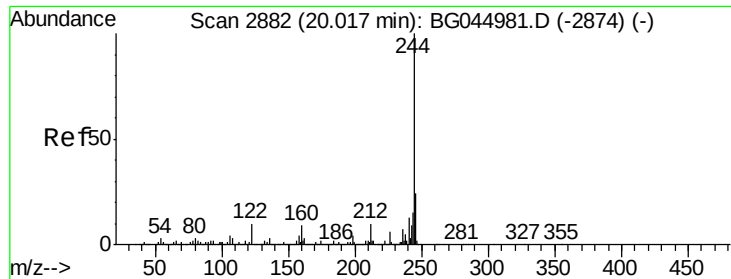


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 26.154 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

Instrument :

BNA_G

ClientSampleId :

WC-1

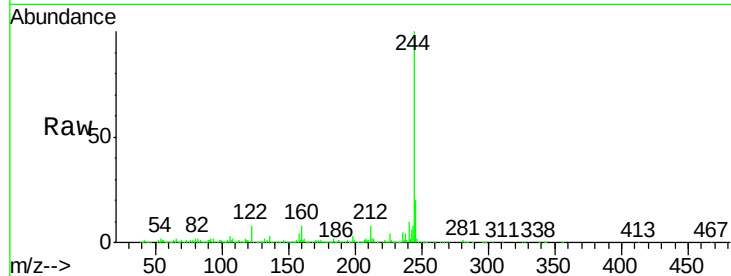
Tot Ion:244 Resp: 479348

Ion Ratio Lower Upper

244 100

212 8.0 7.9 11.9

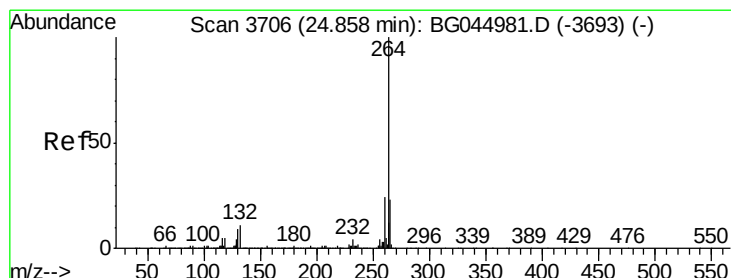
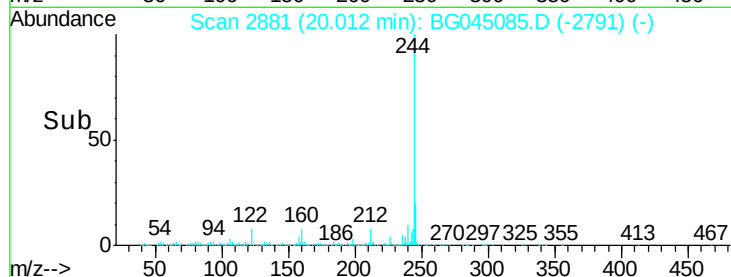
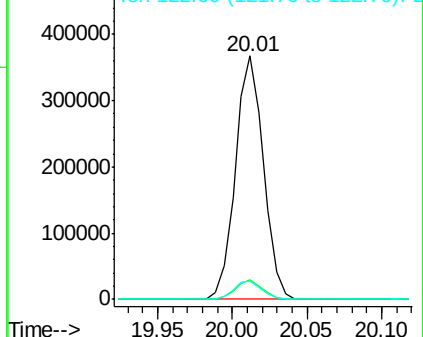
122 7.7 7.7 11.5



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. 0.01 min

Lab File: BG045085.D

Acq: 19 Apr 2020 3:00

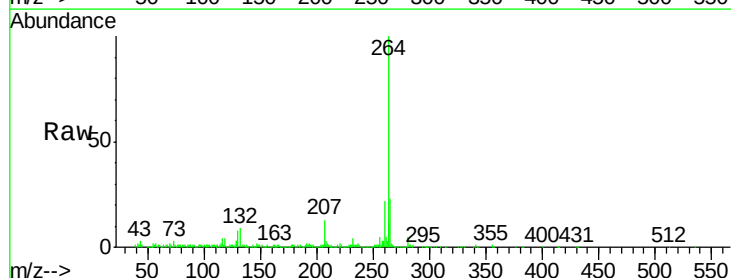
Tgt Ion:264 Resp: 430215

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

265 22.6 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

