

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045598.D
 Acq On : 4 Jun 2020 5:05
 Operator : CG/JU
 Sample : PB129278TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 04 05:53:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

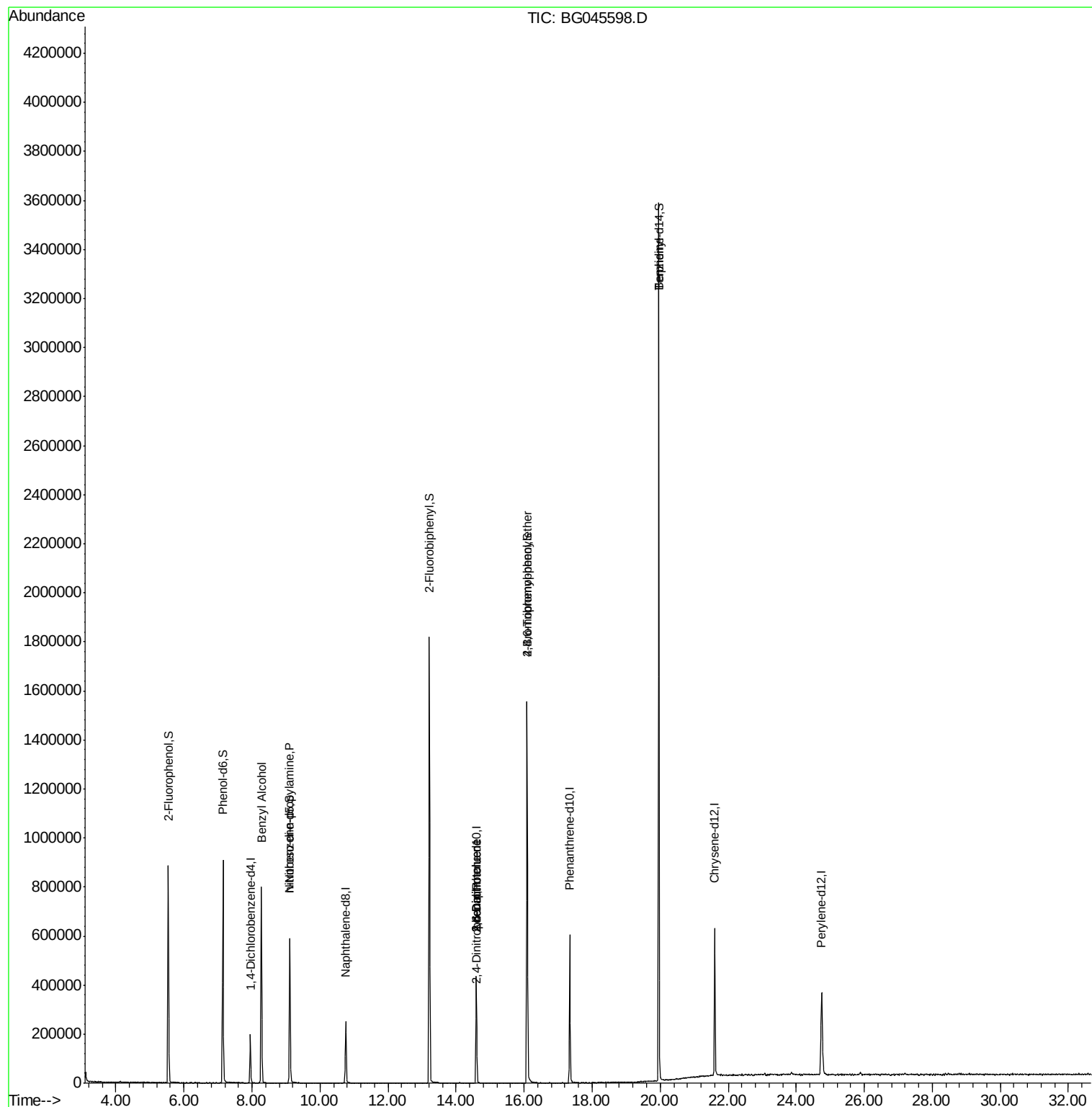
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	58727	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	231403	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	167936	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	398756	20.00	ng	0.00
76) Chrysene-d12	21.60	240	390584	20.00	ng	0.00
87) Perylene-d12	24.75	264	405674	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	421852	140.38	ng	0.00
7) Phenol-d6	7.15	99	602394	140.84	ng	0.00
23) Nitrobenzene-d5	9.11	82	420195	99.02	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	332515	154.82	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1005333	101.54	ng	0.00
79) Terphenyl-d14	19.96	244	1754193	104.75	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.27	79	7111	2.013	ng	# 54
19) n-Nitroso-di-n-propylamine	9.11	70	57873	19.567	ng	# 81
51) 2,6-Dinitrotoluene	14.59	165	21510	8.275	ng	# 22
54) 2,4-Dinitrophenol	14.61	184	67	5.496	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	21510	5.713	ng	# 22
67) 4-Bromophenyl-phenylether	16.09	248	22384	5.184	ng	# 1
77) Benzidine	19.96	184	32692	2.980	ng	# 92

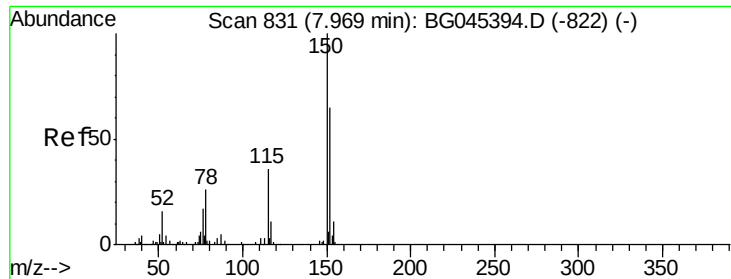
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



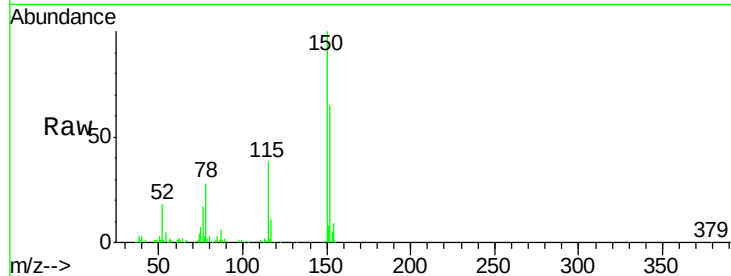


#1

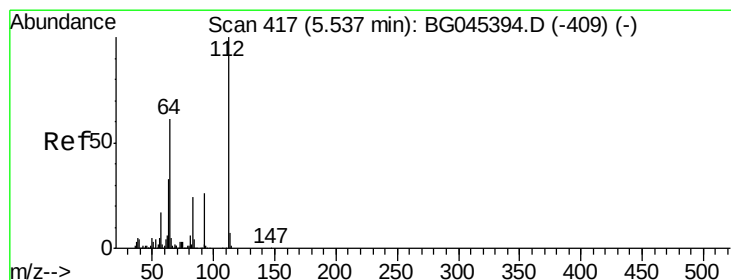
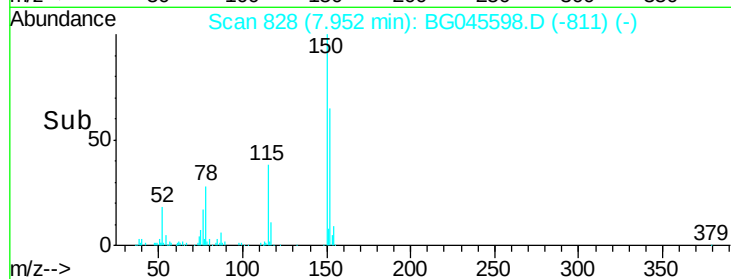
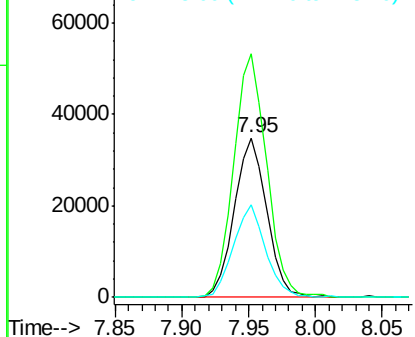
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58727
Ion Ratio Lower Upper
152 100
150 152.7 122.4 183.6
115 57.7 44.2 66.4



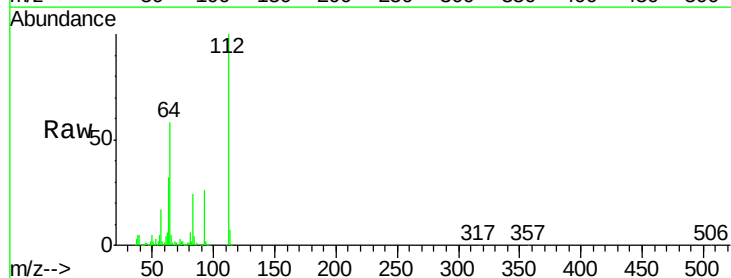
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



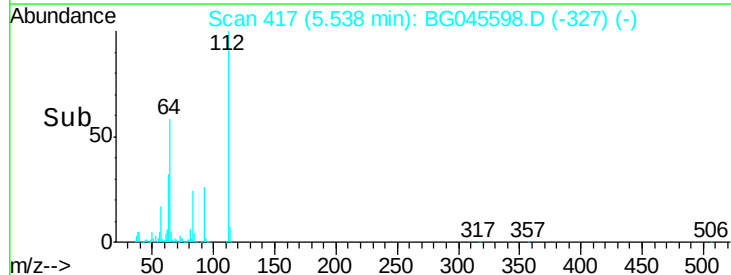
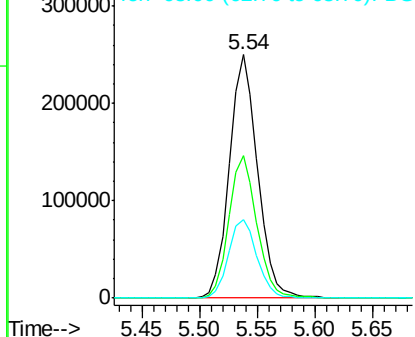
#5

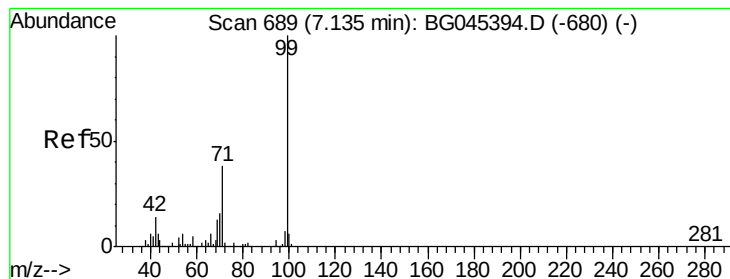
2-Fluorophenol
Concen: 140.382 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Tgt Ion:112 Resp: 421852
Ion Ratio Lower Upper
112 100
64 58.3 48.6 72.8
63 32.2 26.5 39.7



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





#7

Phenol-d6

Concen: 140.844 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Instrument :

BNA_G

ClientSampled :

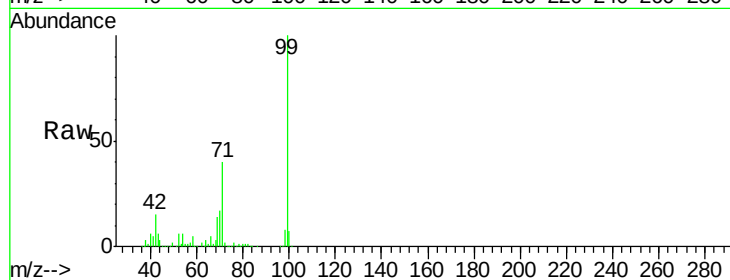
Tot Ion: 99 Resp: 602394

Ion Ratio Lower Upper

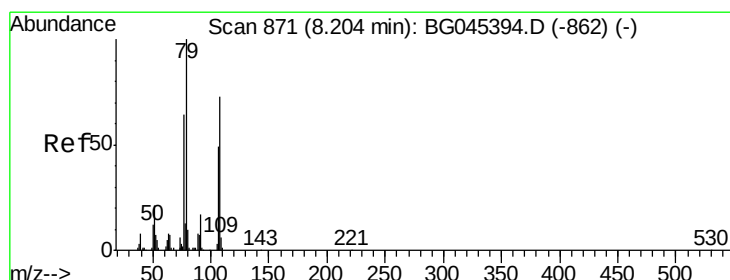
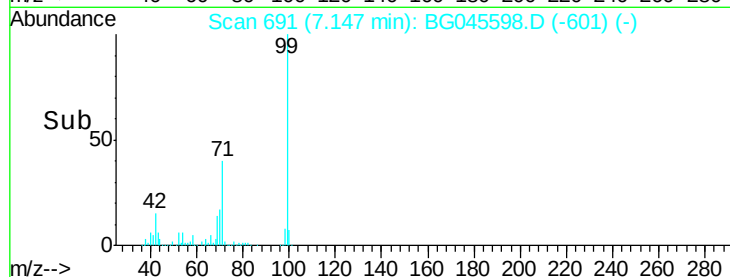
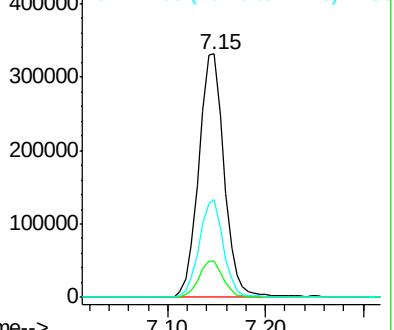
99 100

42 14.8 11.3 16.9

71 39.9 30.8 46.2



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



#15

Benzyl Alcohol

Concen: 2.013 ng

RT: 8.27 min Scan# 882

Delta R.T. 0.07 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

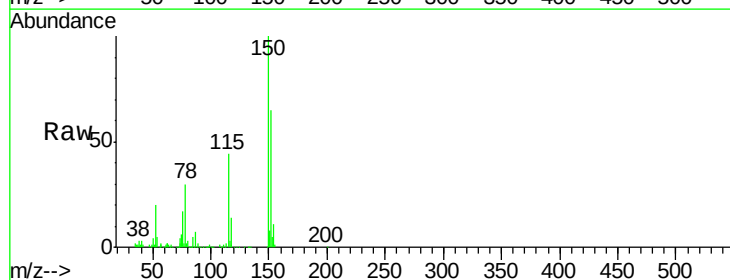
Tgt Ion: 79 Resp: 7111

Ion Ratio Lower Upper

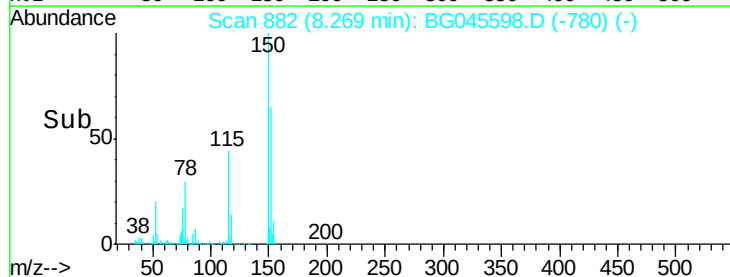
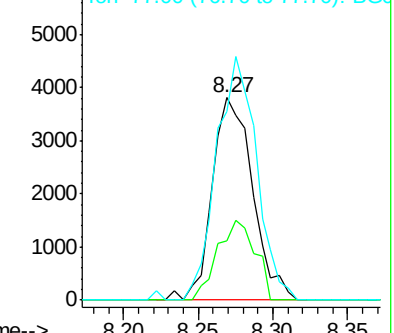
79 100

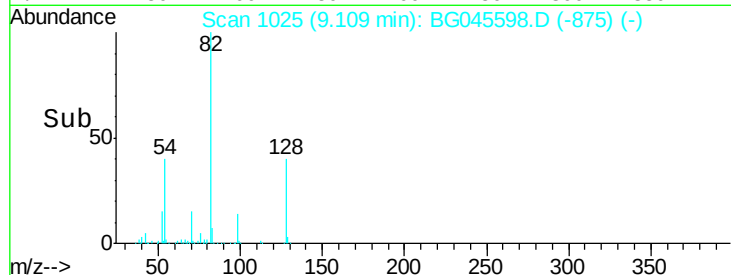
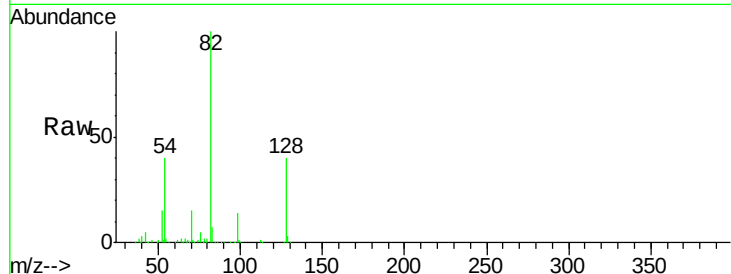
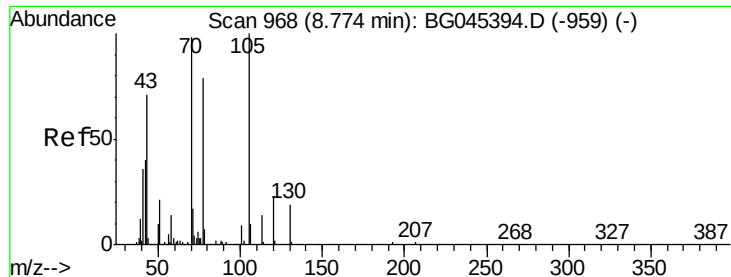
108 29.4 58.2 87.4#

77 93.6 51.0 76.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

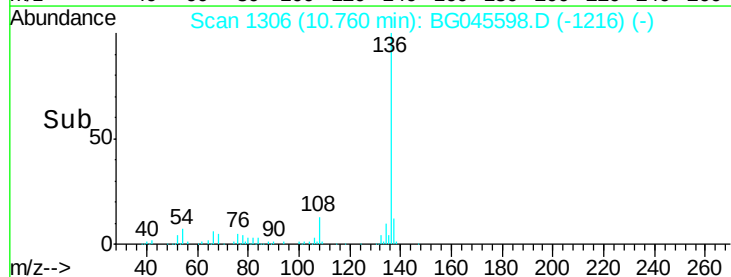
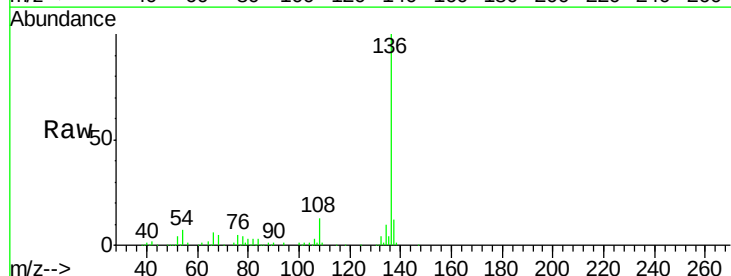
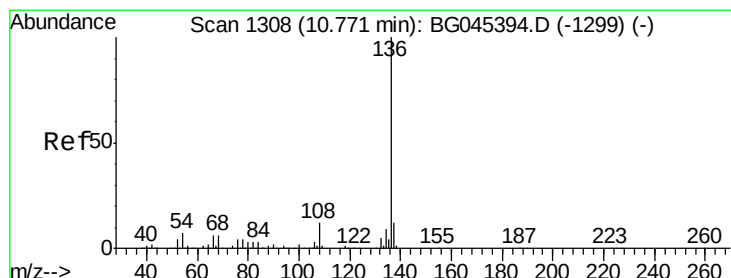
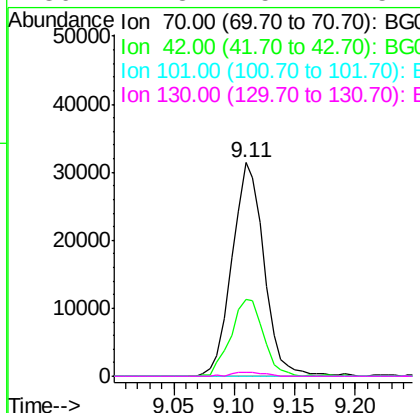




#19
n-Nitroso-di-n-propylamine
Concen: 19.567 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.35 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

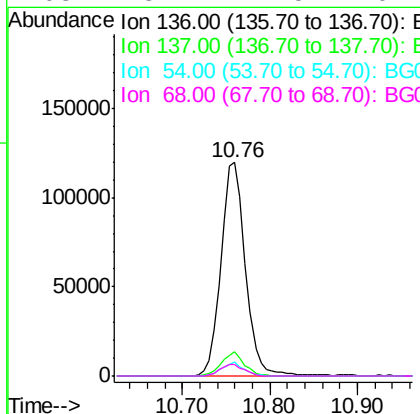
Instrument :
BNA_G
ClientSampled :

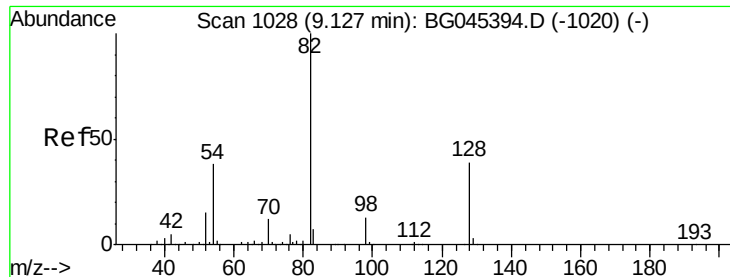
Tot Ion:	70	Resp:	57873
Ion	Ratio	Lower	Upper
70	100		
42	36.3	33.2	49.8
101	0.0	7.8	11.6#
130	1.8	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Tgt Ion:	136	Resp:	231403
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.2
54	6.6	5.8	8.6
68	5.2	4.5	6.7

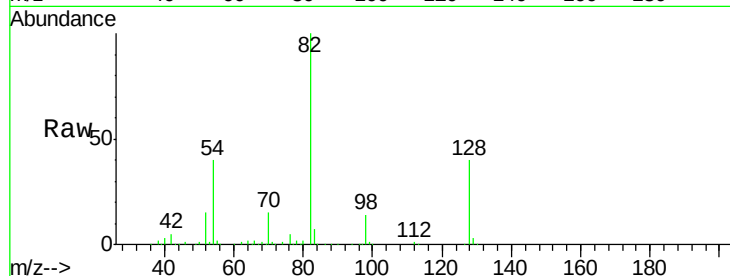




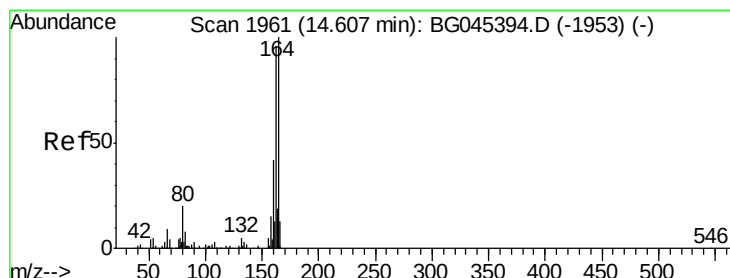
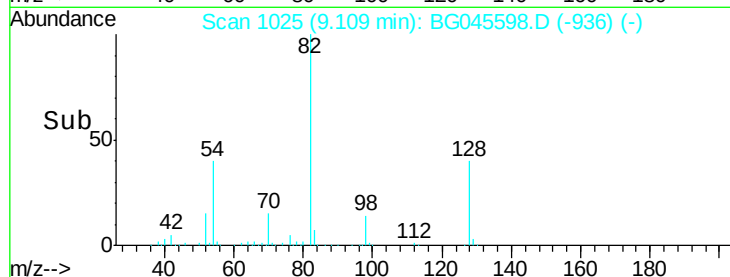
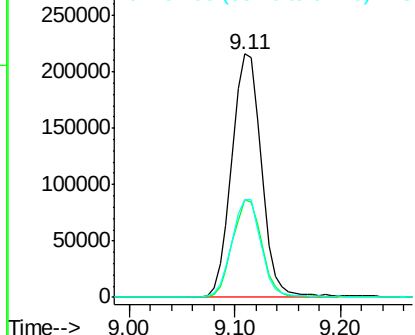
#23
Nitrobenzene-d5
Concen: 99.022 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	30.9	46.3
54	40.2	30.3	45.5

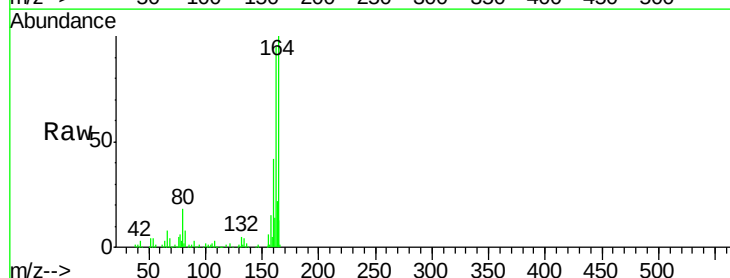


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

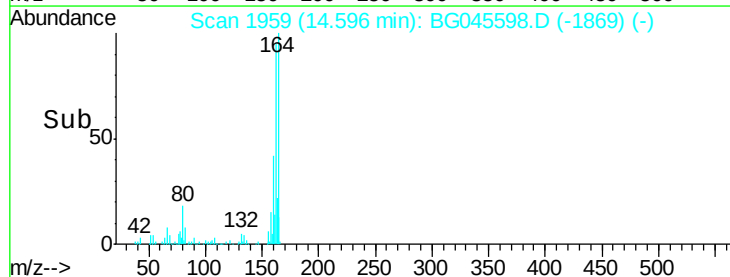
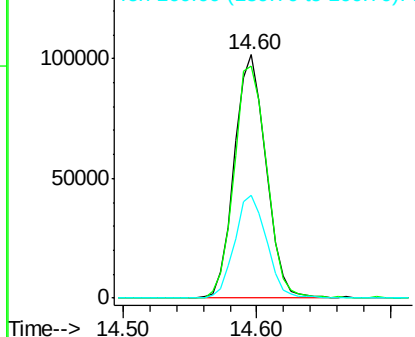


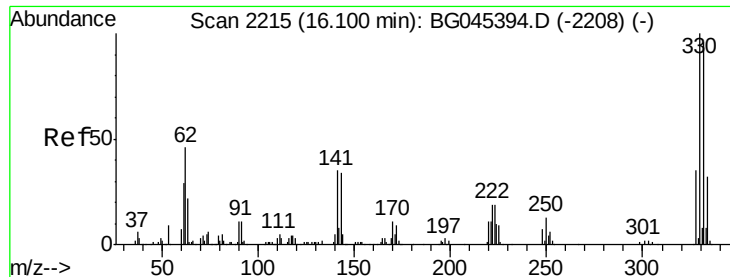
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.3	76.9	115.3
160	42.4	33.8	50.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

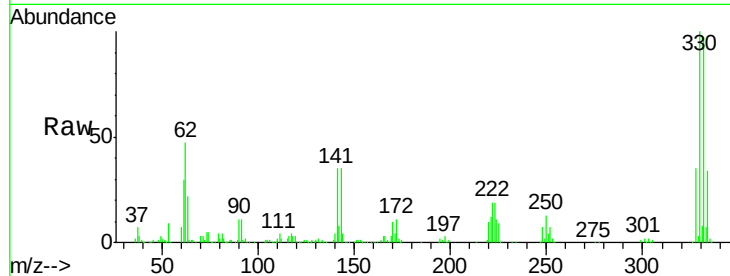




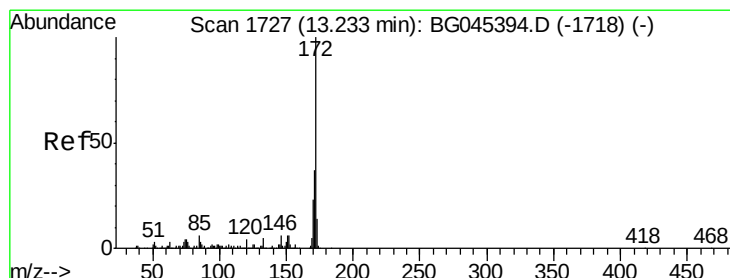
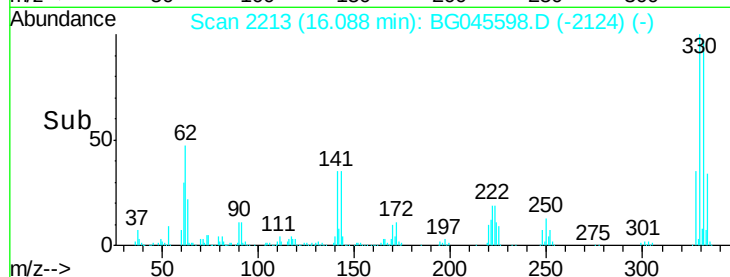
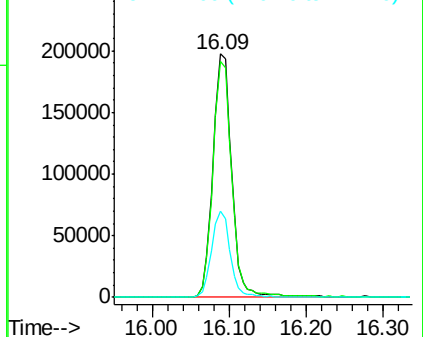
#42
 2,4,6-Tribromophenol
 Concen: 154.823 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: BG045598.D
 Acq: 4 Jun 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.4
141	34.9	28.2	42.4

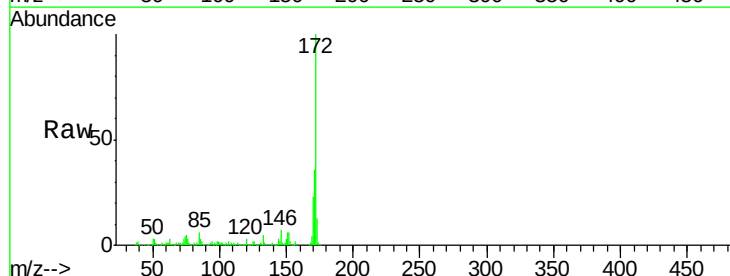


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

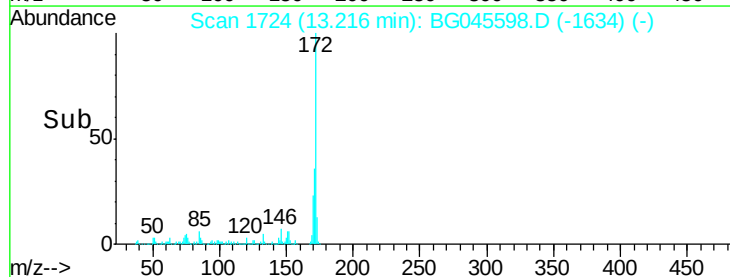
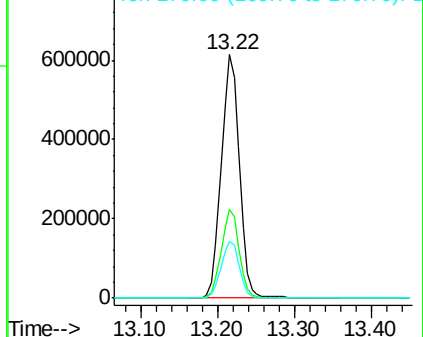


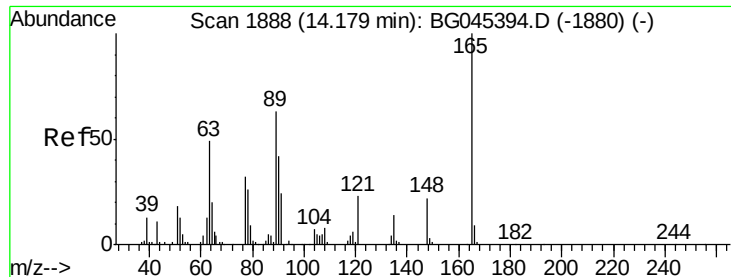
#45
 2-Fluorobiphenyl
 Concen: 101.542 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG045598.D
 Acq: 4 Jun 2020 5:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.5	44.3
170	23.1	18.5	27.7



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: 8.275 ng

RT: 14.59 min Scan# 1958

Delta R.T. 0.42 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Instrument :

BNA_G

ClientSampleId :

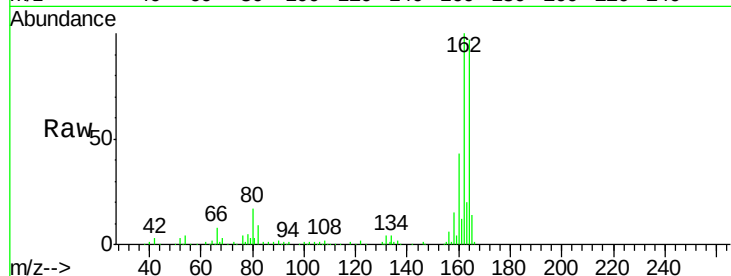
Tot Ion:165 Resp: 21510

Ion Ratio Lower Upper

165 100

63 1.8 45.0 67.4#

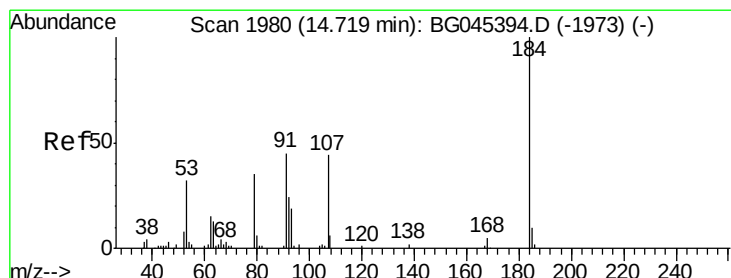
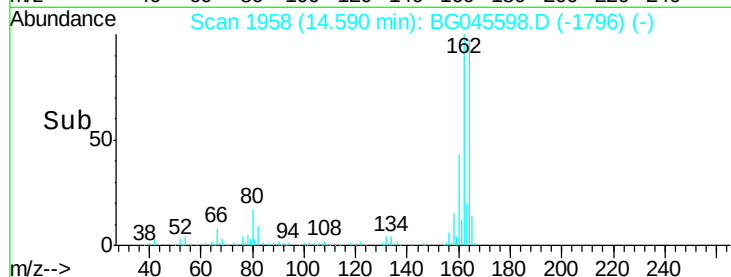
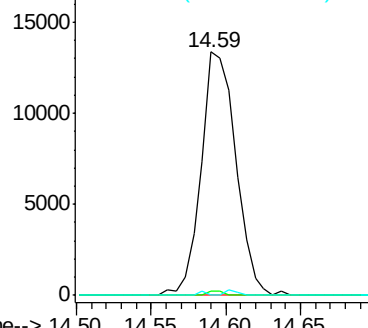
89 0.0 50.2 75.4#



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



#54

2,4-Dinitrophenol

Concen: 5.496 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.10 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

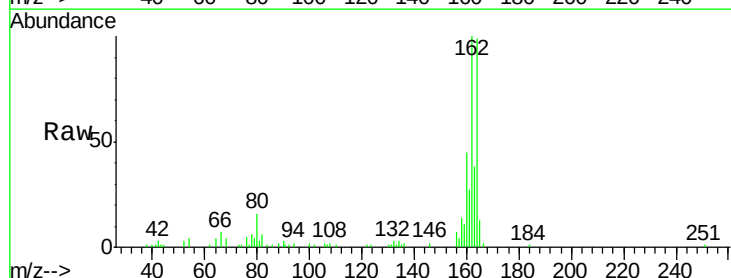
Tgt Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

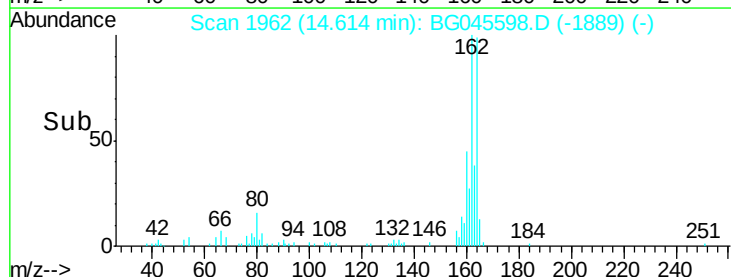
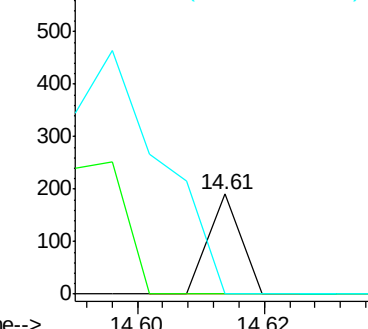
154 0.0 58.3 87.5#

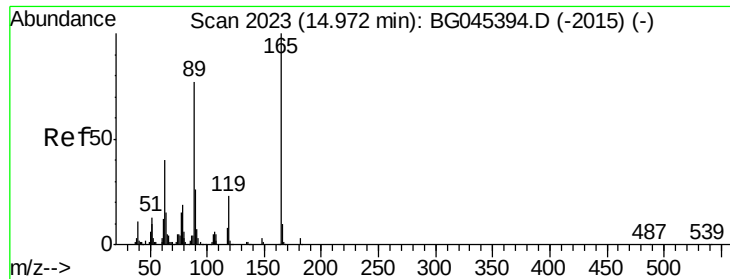


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

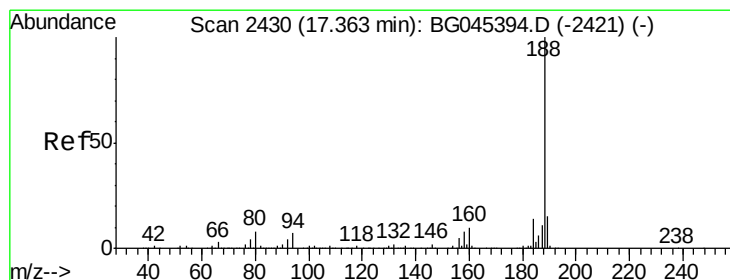
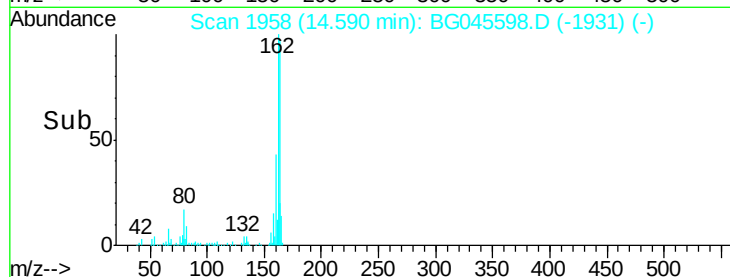
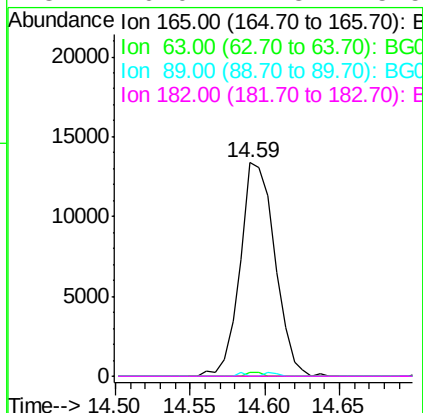
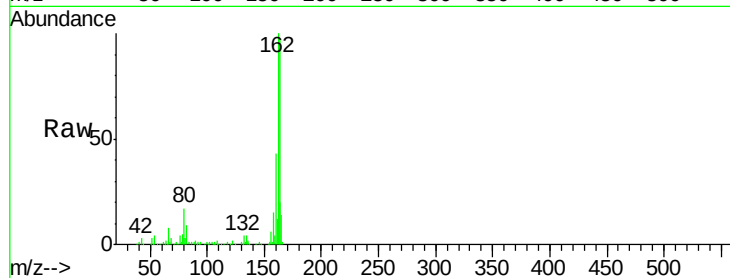




#57
2,4-Dinitrotoluene
Concen: 5.713 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.37 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

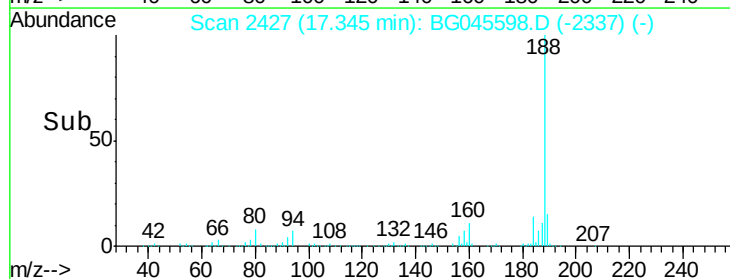
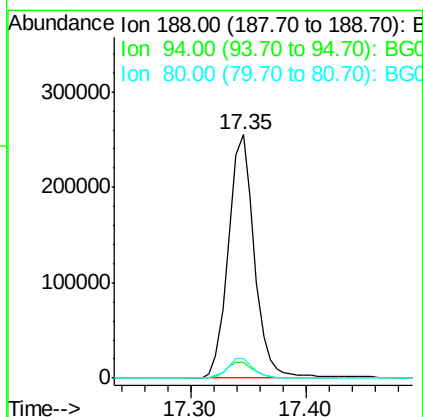
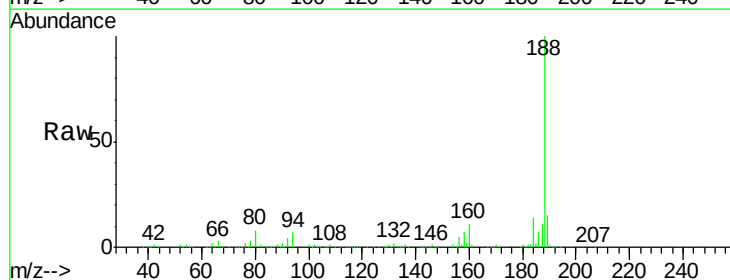
Instrument :
BNA_G
ClientSampleId :

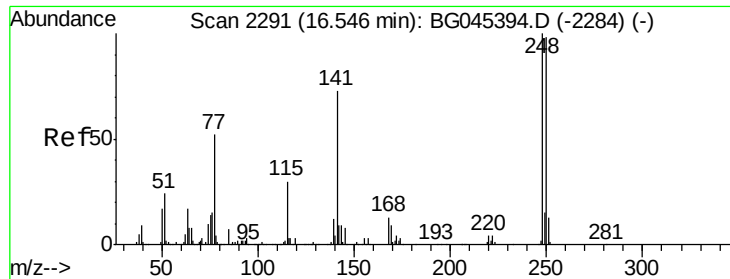
Tot Ion:165 Resp: 21510
Ion Ratio Lower Upper
165 100
63 1.8 32.5 48.7#
89 0.0 61.8 92.6#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Tgt Ion:188 Resp: 398756
Ion Ratio Lower Upper
188 100
94 6.7 5.5 8.3
80 7.9 6.6 10.0

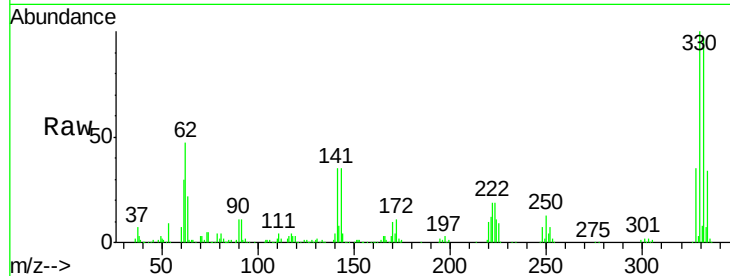




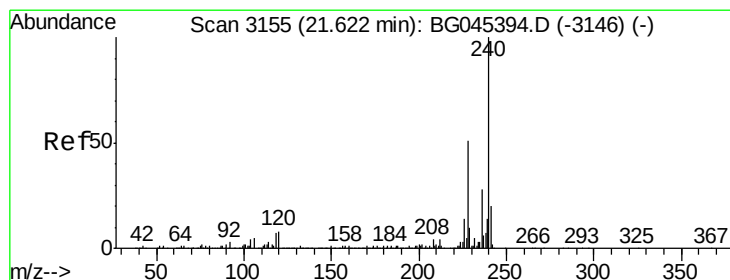
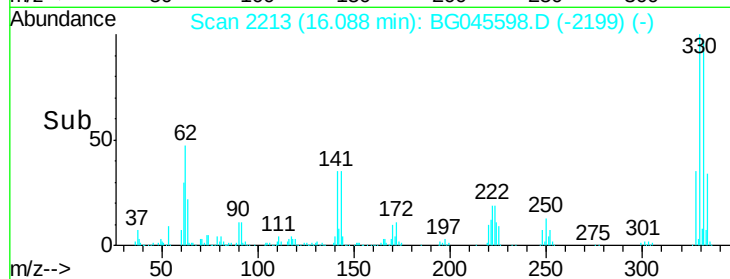
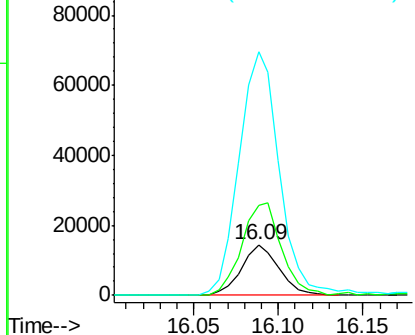
#67
4-Bromophenyl-phenylether
Concen: 5.184 ng
RT: 16.09 min Scan# 2213
Delta R.T. -0.45 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22384
Ion Ratio Lower Upper
248 100
250 177.1 78.6 117.8#
141 480.9 58.2 87.2#

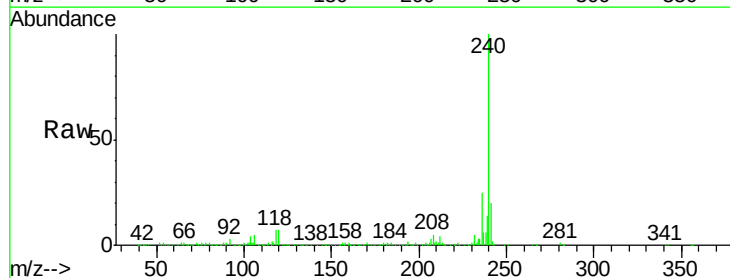


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

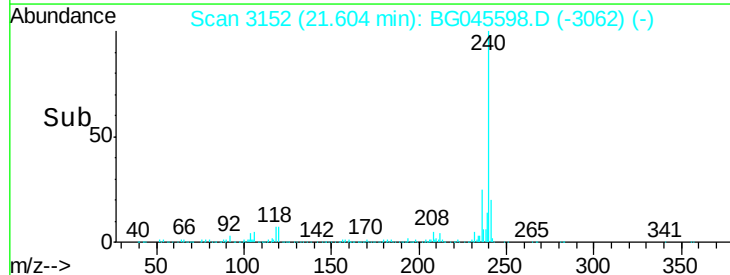
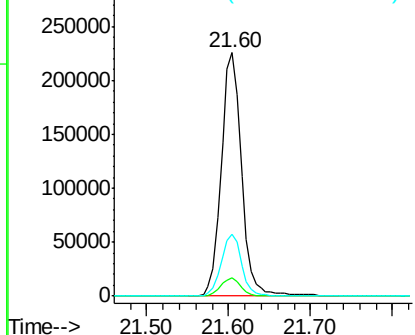


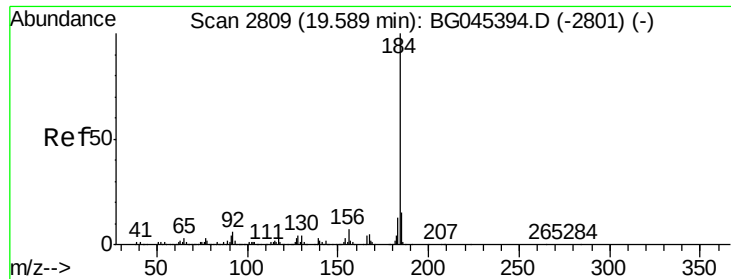
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG045598.D
Acq: 4 Jun 2020 5:05

Tgt Ion:240 Resp: 390584
Ion Ratio Lower Upper
240 100
120 7.5 6.1 9.1
236 25.5 22.3 33.5



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: 2.980 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Instrument :

BNA_G

ClientSampleId :

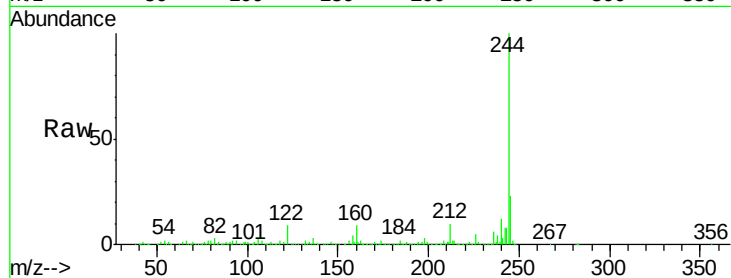
Tot Ion:184 Resp: 32692

Ion Ratio Lower Upper

184 100

185 13.7 11.7 17.5

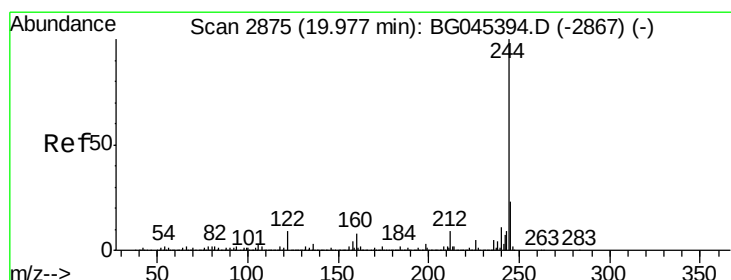
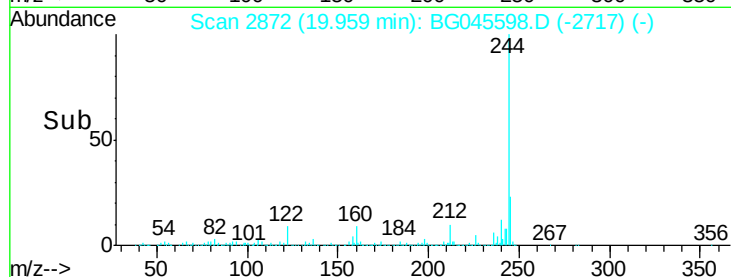
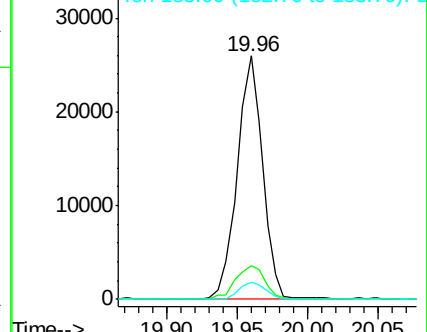
183 7.0 10.2 15.4#



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: 104.748 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

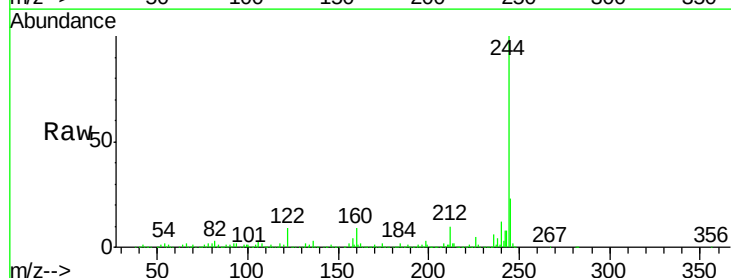
Tgt Ion:244 Resp: 1754193

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

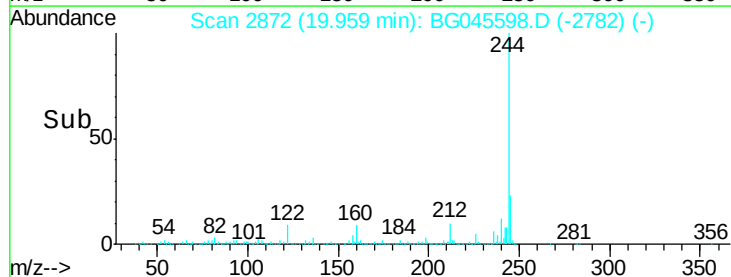
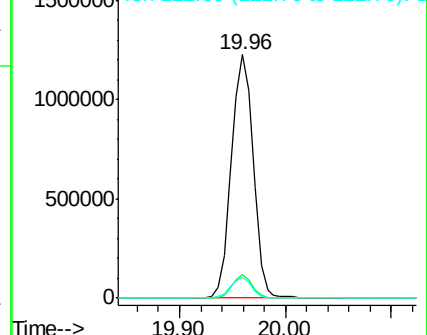
122 8.5 6.8 10.2

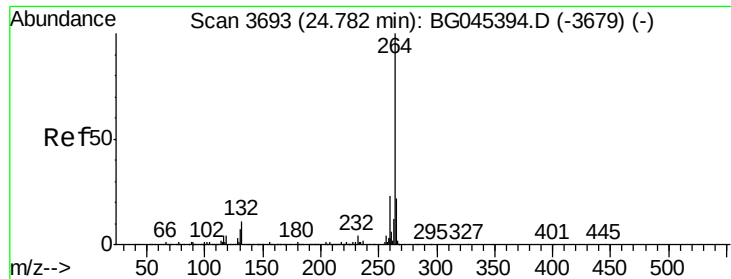


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

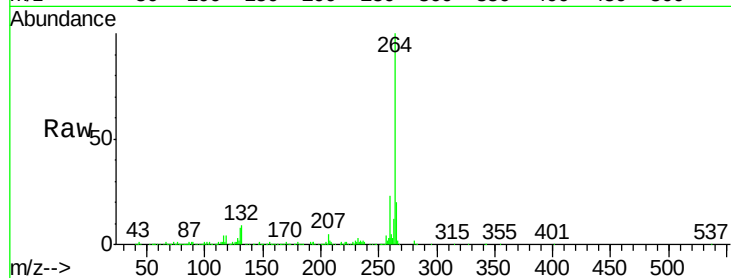




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: BG045598.D
 Acq: 4 Jun 2020 5:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	20.0	17.6	26.4



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

