

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052120\
 Data File : BG045452.D
 Acq On : 21 May 2020 23:03
 Operator : CG/JU
 Sample : L2728-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 22 01:00:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 14:43:36 2020
 Response via : Initial Calibration

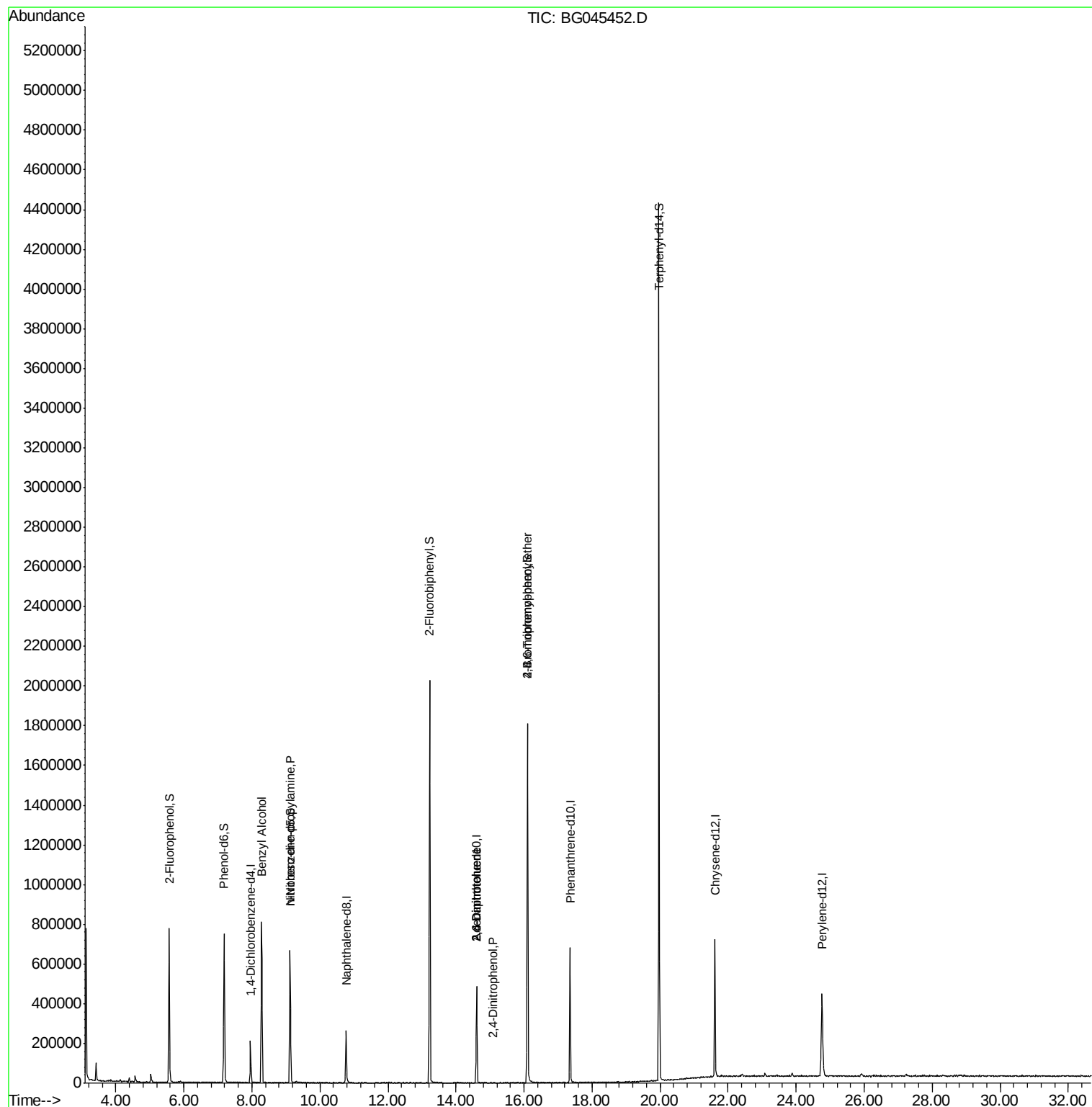
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	61218	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	245448	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	183872	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	448732	20.00	ng	0.00
76) Chrysene-d12	21.61	240	462375	20.00	ng	0.00
87) Perylene-d12	24.76	264	485349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	383334	122.37	ng	0.00
7) Phenol-d6	7.18	99	495773	111.20	ng	0.00
23) Nitrobenzene-d5	9.12	82	456949	101.52	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	385551	163.96	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1117160	103.06	ng	0.00
79) Terphenyl-d14	19.97	244	2169535	109.44	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.28	79	7523	2.043	ng	# 54
19) n-Nitroso-di-n-propylamine	9.12	70	61178	19.843	ng	# 82
51) 2,6-Dinitrotoluene	14.60	165	23400	8.221	ng	# 24
54) 2,4-Dinitrophenol	15.09	184	78	5.498	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	23400	5.677	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	25014	5.148	ng	# 1

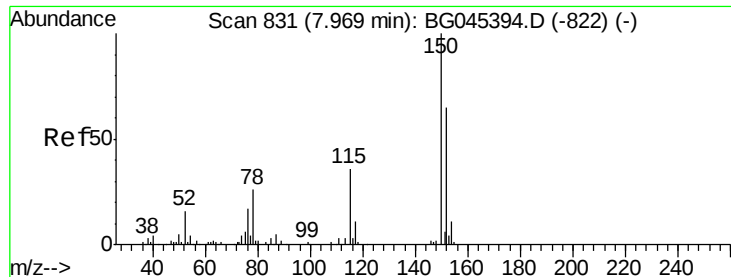
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



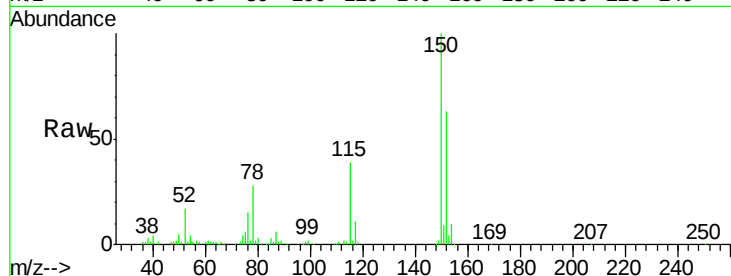


#1

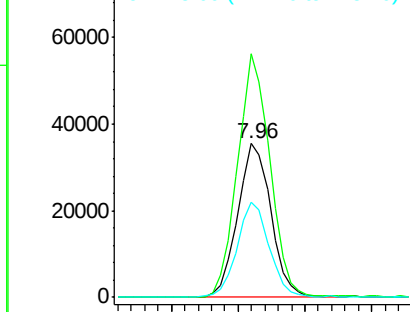
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045452.D
Acq: 21 May 2020 23:03

Instrument :
BNA_G
ClientSampleId :

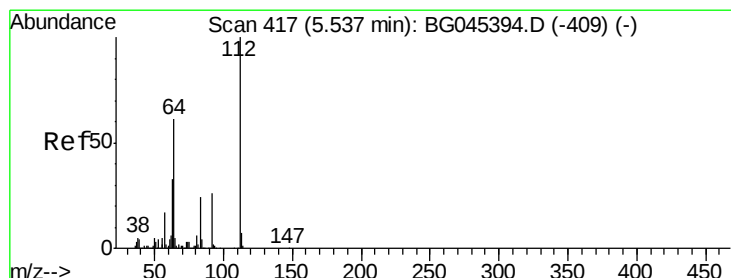
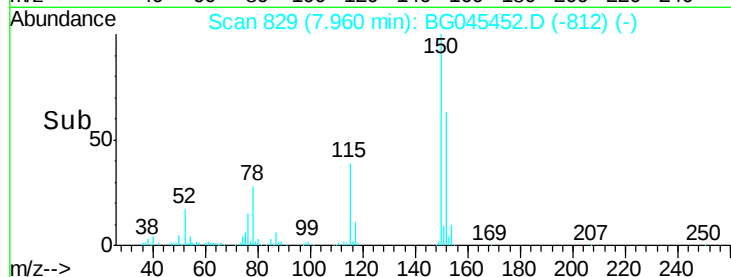
Tot Ion:152 Resp: 61218
Ion Ratio Lower Upper
152 100
150 158.5 122.4 183.6
115 62.1 44.2 66.4



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



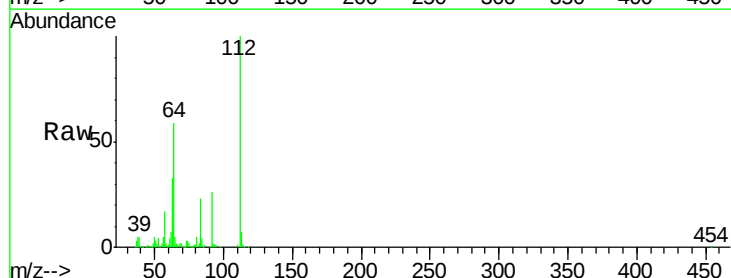
Time-->



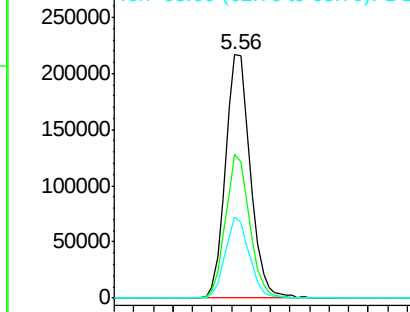
#5

2-Fluorophenol
Concen: 122.374 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.01 min
Lab File: BG045452.D
Acq: 21 May 2020 23:03

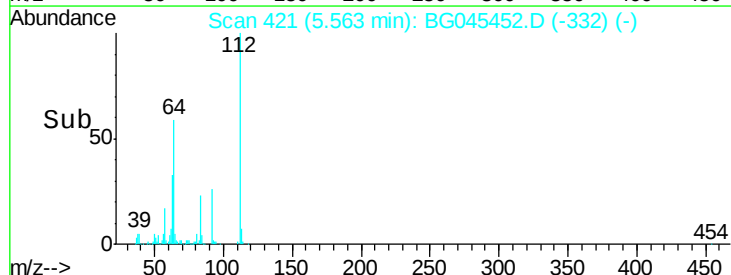
Tgt Ion:112 Resp: 383334
Ion Ratio Lower Upper
112 100
64 58.9 48.6 72.8
63 33.1 26.5 39.7



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



Time-->





#7

Phenol-d6

Concen: 111.198 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045452.D

Acq: 21 May 2020 23:03

Instrument :

BNA_G

ClientSampleId :

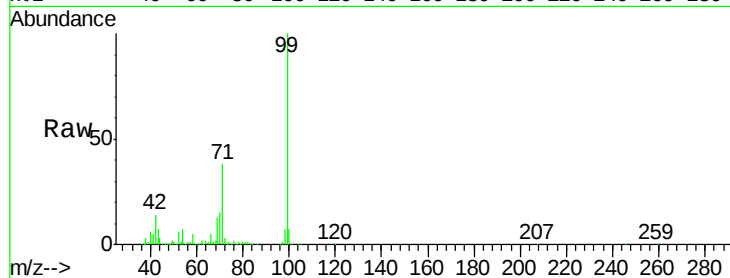
Tot Ion: 99 Resp: 495773

Ion Ratio Lower Upper

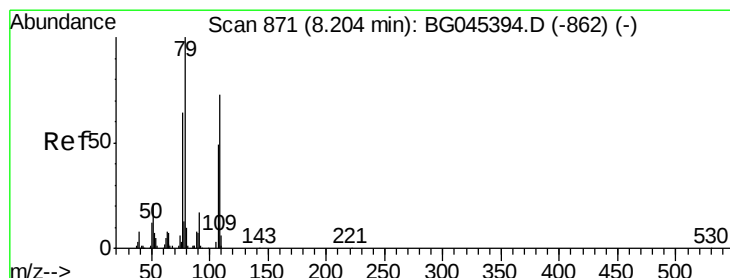
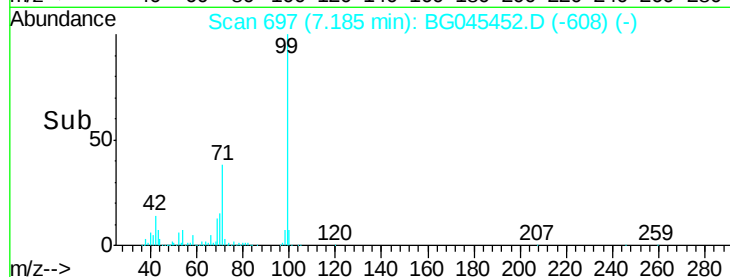
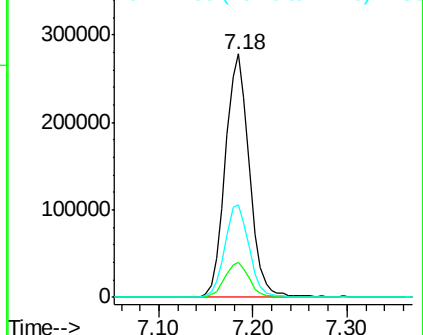
99 100

42 14.2 11.3 16.9

71 38.1 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: 2.043 ng

RT: 8.28 min Scan# 884

Delta R.T. 0.06 min

Lab File: BG045452.D

Acq: 21 May 2020 23:03

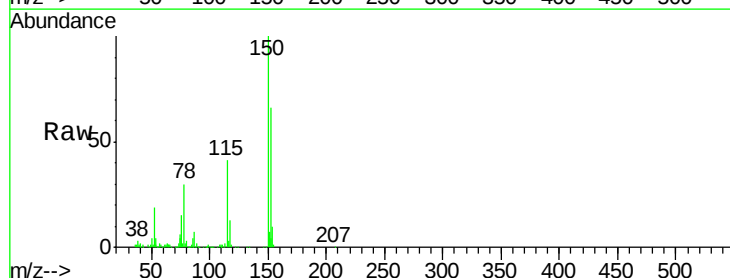
Tgt Ion: 79 Resp: 7523

Ion Ratio Lower Upper

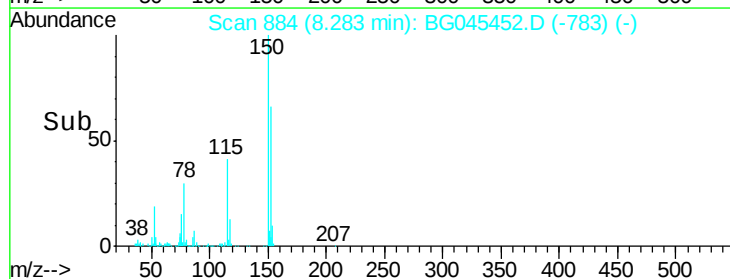
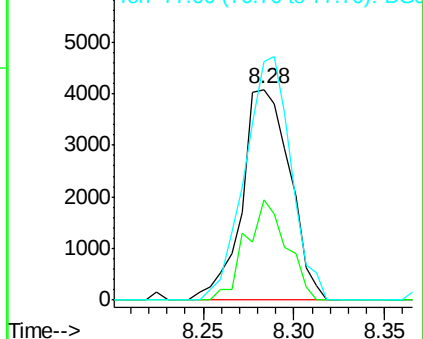
79 100

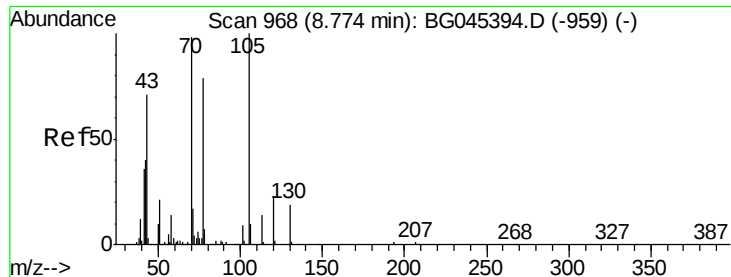
108 47.4 58.2 87.4#

77 113.2 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

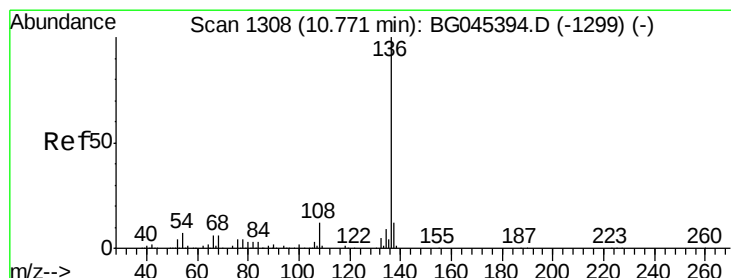
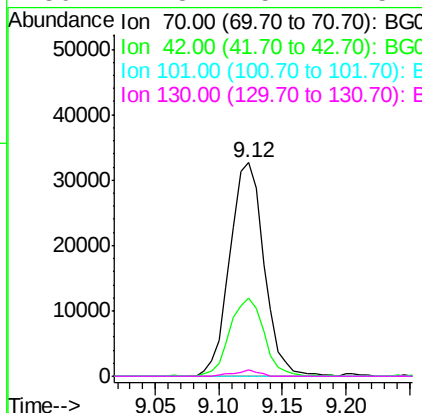
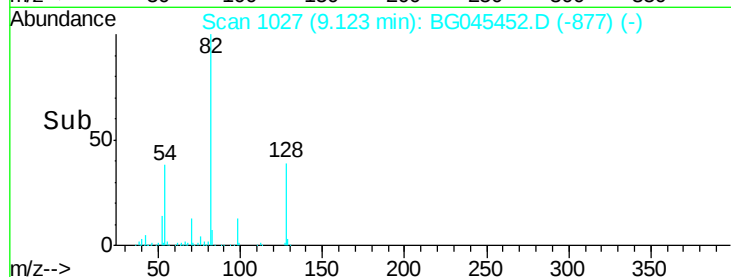
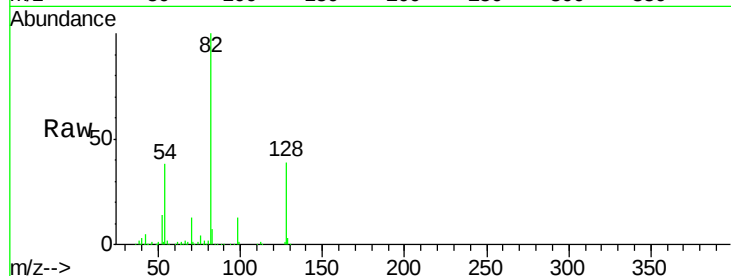




#19
n-Nitroso-di-n-propylamine
Concen: 19.843 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.35 min
Lab File: BG045452.D
Acq: 21 May 2020 23:03

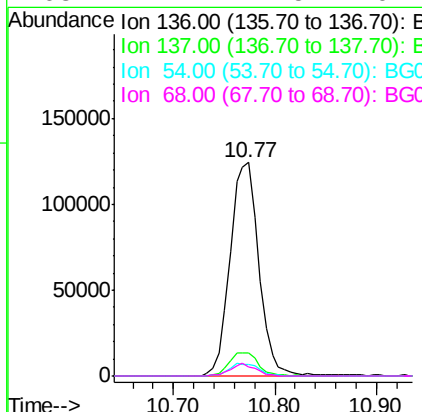
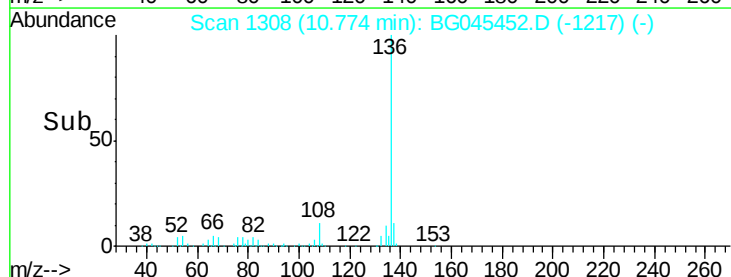
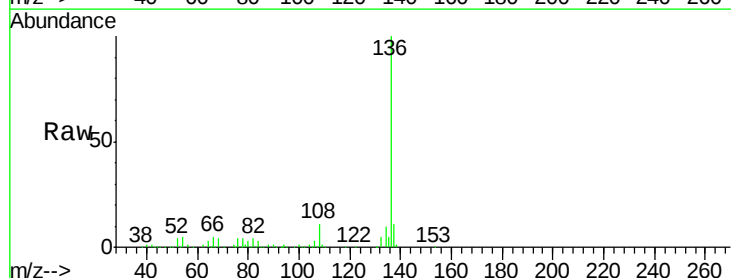
Instrument :
BNA_G
ClientSampled :

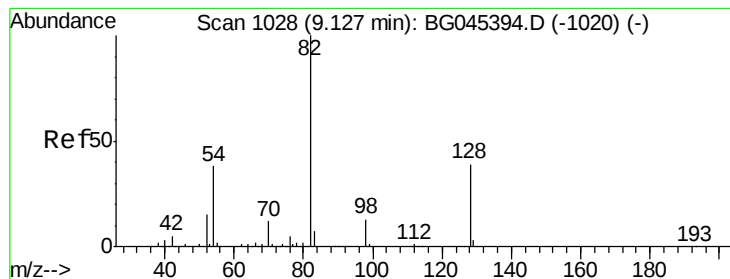
Tot Ion:	70	Resp:	61178
Ion	Ratio	Lower	Upper
70	100		
42	36.8	33.2	49.8
101	0.0	7.8	11.6#
130	2.8	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BG045452.D
Acq: 21 May 2020 23:03

Tgt Ion:	136	Resp:	245448
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.4	14.2
54	5.2	5.8	8.6#
68	4.1	4.5	6.7#





#23

Nitrobenzene-d5

Concen: 101.521 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BG045452.D

Acq: 21 May 2020 23:03

Instrument :

BNA_G

ClientSampleId :

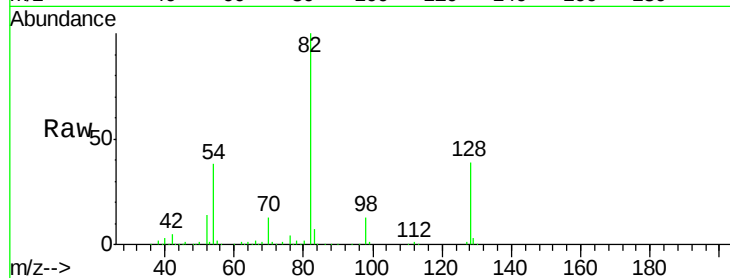
Tot Ion: 82 Resp: 456949

Ion Ratio Lower Upper

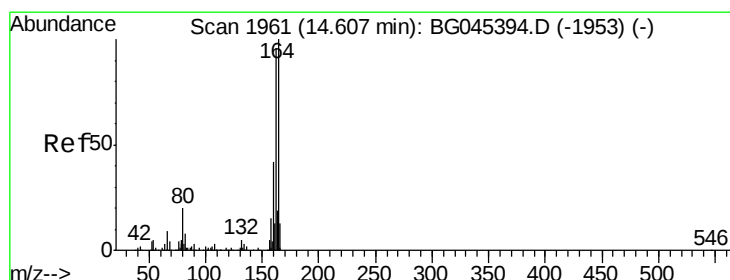
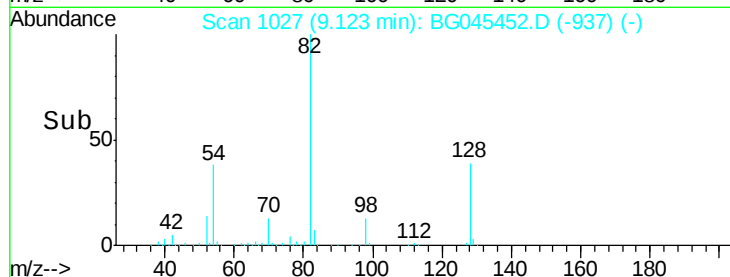
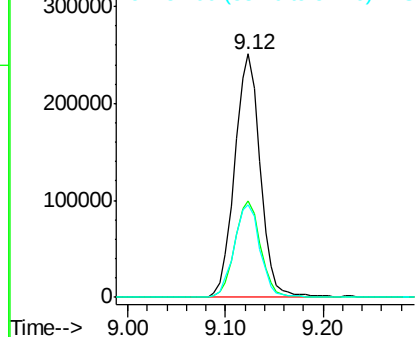
82 100

128 39.4 30.9 46.3

54 38.1 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# 1960

Delta R.T. 0.00 min

Lab File: BG045452.D

Acq: 21 May 2020 23:03

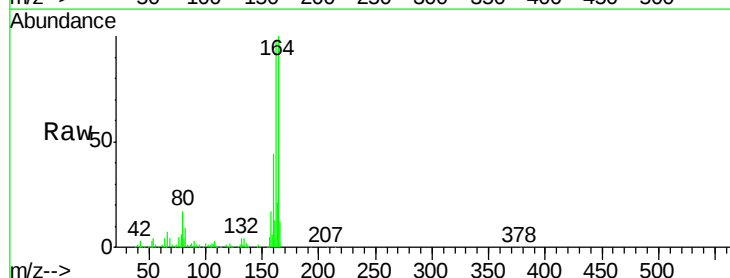
Tgt Ion: 164 Resp: 183872

Ion Ratio Lower Upper

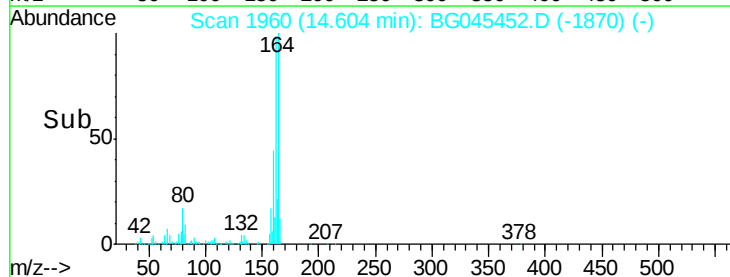
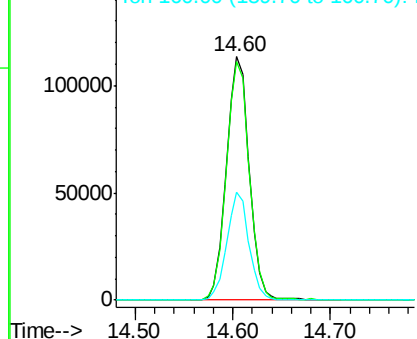
164 100

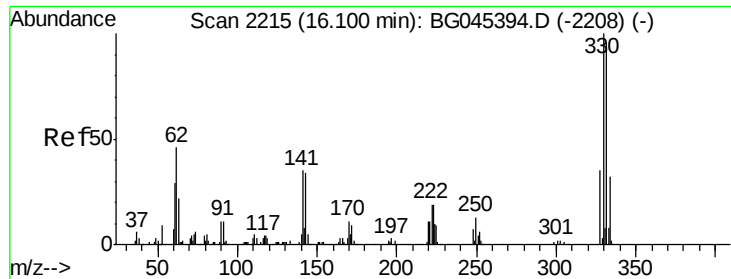
162 98.1 76.9 115.3

160 44.1 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

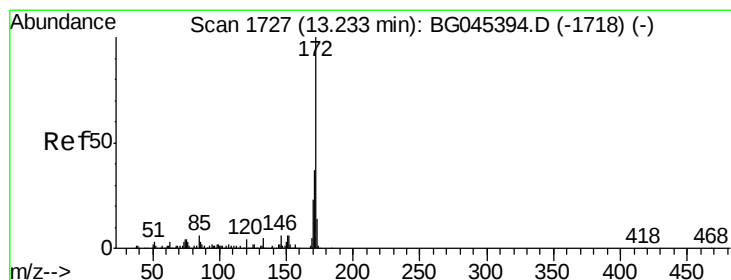
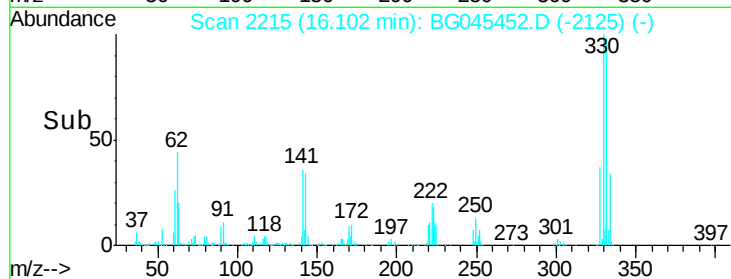
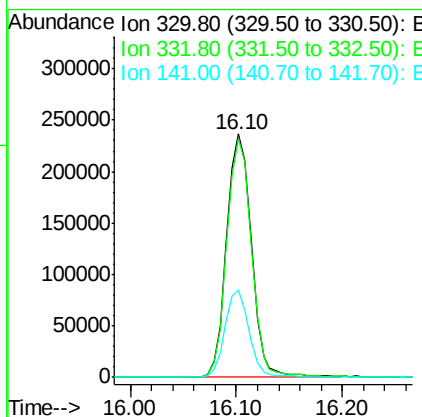
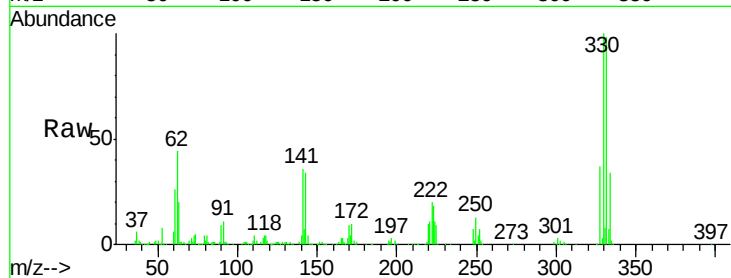




#42
 2,4,6-Tribromophenol
 Concen: 163.959 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BG045452.D
 Acq: 21 May 2020 23:03

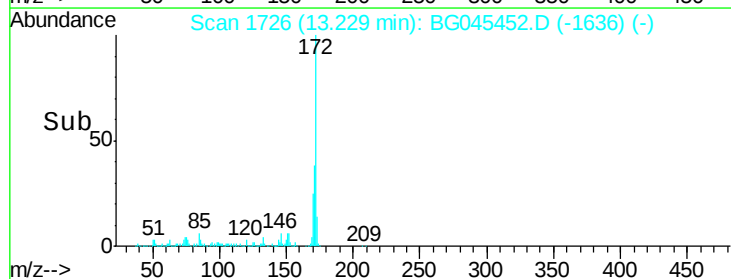
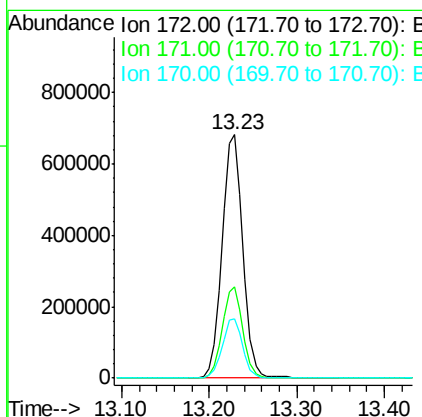
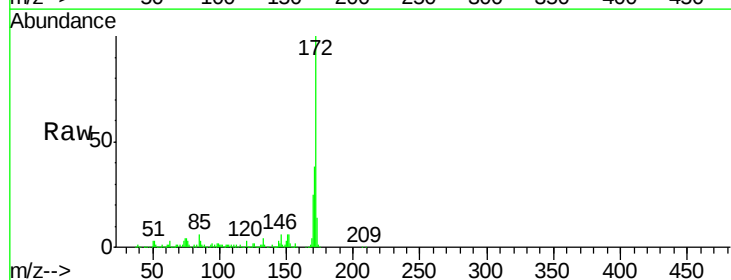
Instrument :
 BNA_G
 ClientSampleId :

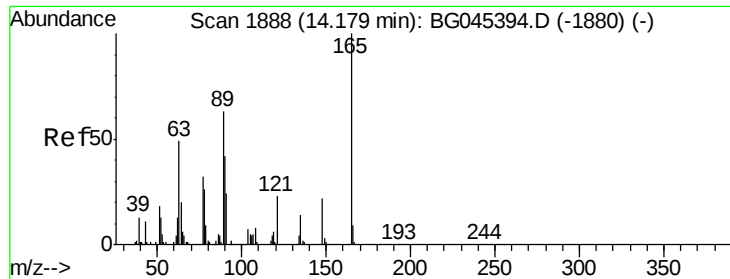
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.2	117.4
141	34.8	28.2	42.4



#45
 2-Fluorobiphenyl
 Concen: 103.057 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. 0.00 min
 Lab File: BG045452.D
 Acq: 21 May 2020 23:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.5	44.3
170	24.6	18.5	27.7

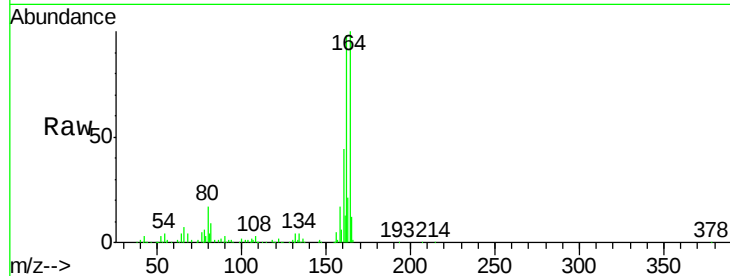




#51
 2,6-Dinitrotoluene
 Concen: 8.221 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. 0.42 min
 Lab File: BG045452.D
 Acq: 21 May 2020 23:03

Instrument :
 BNA_G
 ClientSampleId :

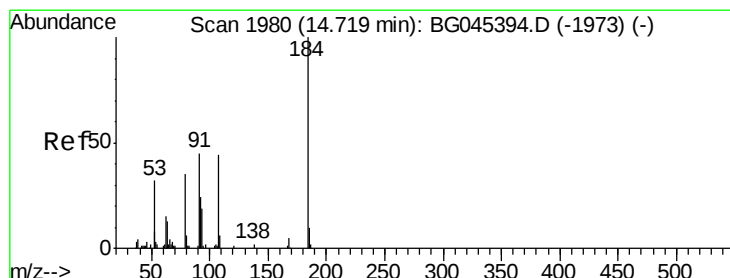
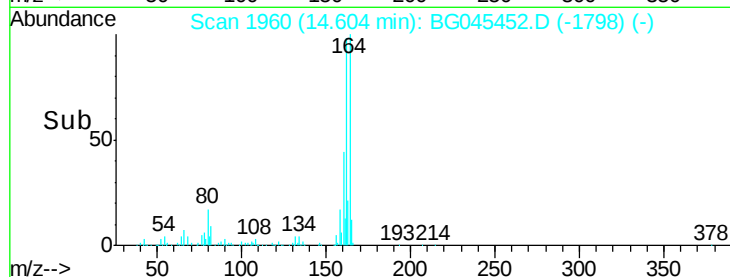
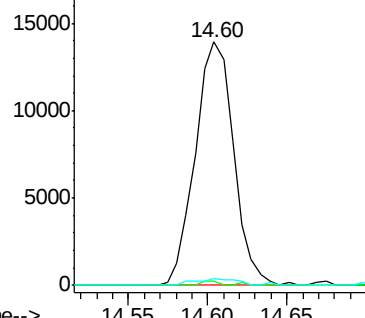
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	45.0	67.4#
89	2.6	50.2	75.4#



Abundance Ion 165.00 (164.70 to 165.70): E

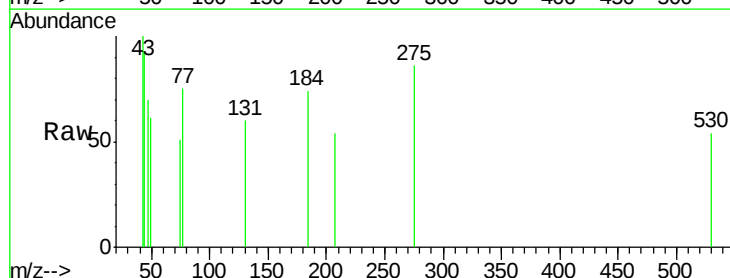
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54
 2,4-Dinitrophenol
 Concen: 5.498 ng
 RT: 15.09 min Scan# 2042
 Delta R.T. 0.36 min
 Lab File: BG045452.D
 Acq: 21 May 2020 23:03

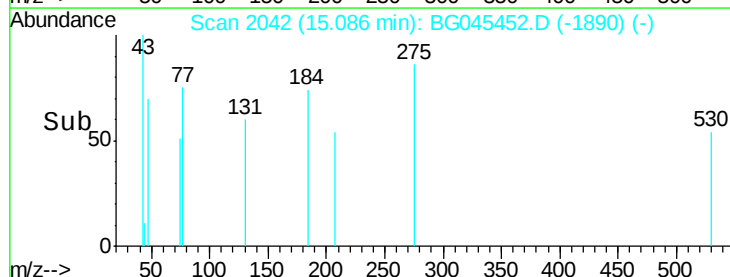
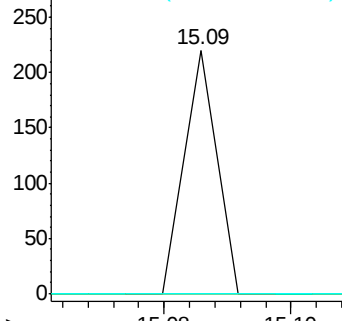
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	47.8	71.6#
154	0.0	58.3	87.5#

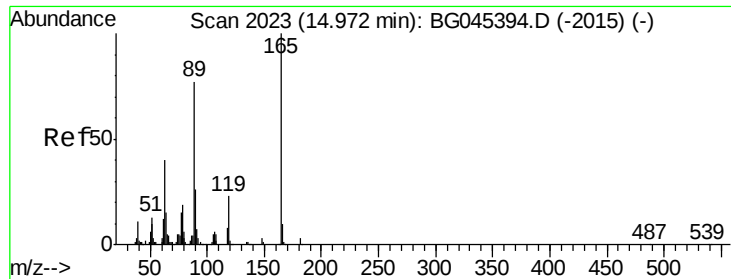


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

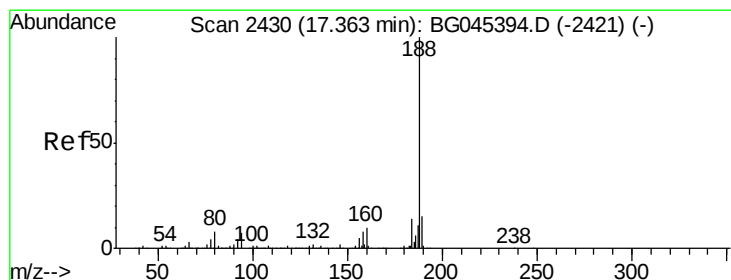
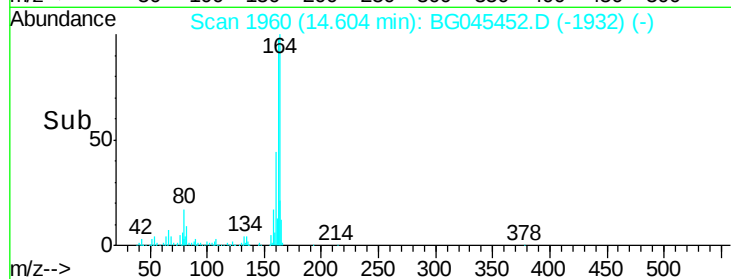
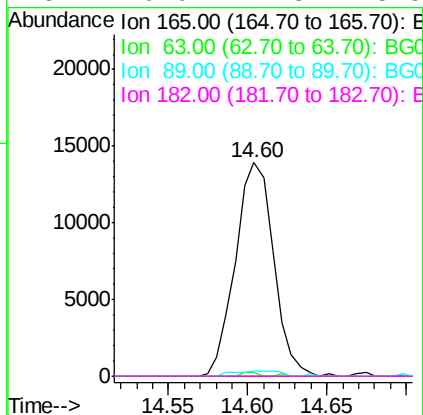
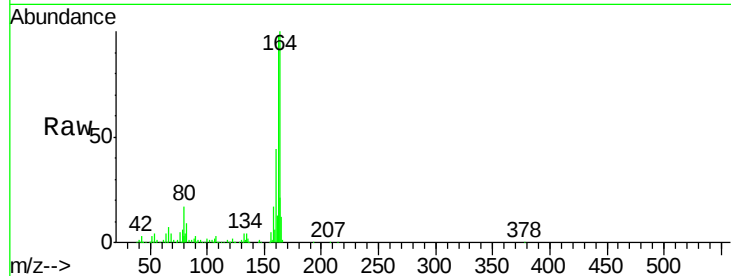




#57
2,4-Dinitrotoluene
Concen: 5.677 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.36 min
Lab File: BG045452.D
Acq: 21 May 2020 23:03

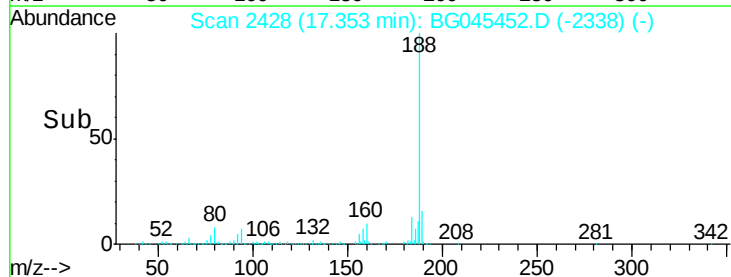
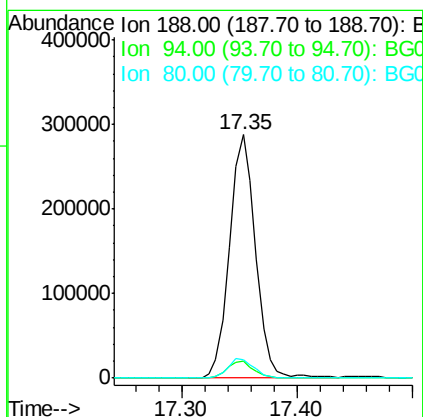
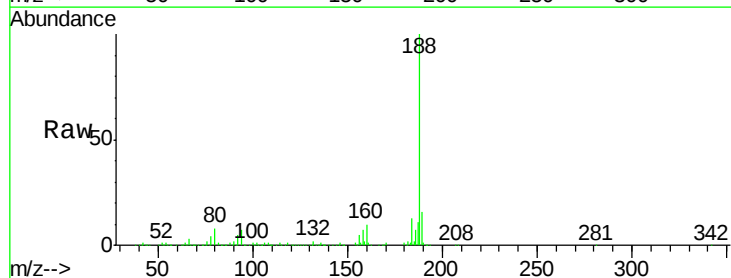
Instrument :
BNA_G
ClientSampleId :

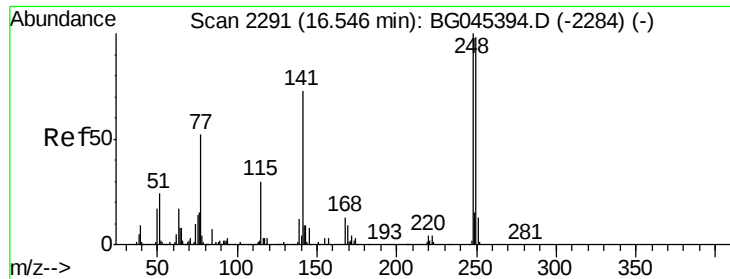
Tot Ion:165 Resp: 23400
Ion Ratio Lower Upper
165 100
63 1.8 32.5 48.7#
89 2.6 61.8 92.6#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG045452.D
Acq: 21 May 2020 23:03

Tgt Ion:188 Resp: 448732
Ion Ratio Lower Upper
188 100
94 6.8 5.5 8.3
80 7.7 6.6 10.0

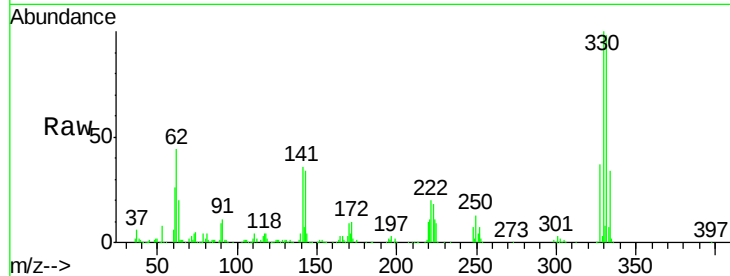




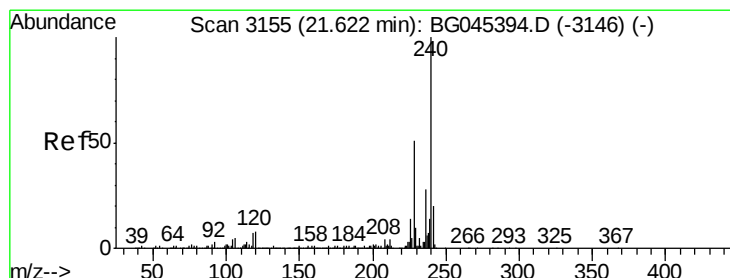
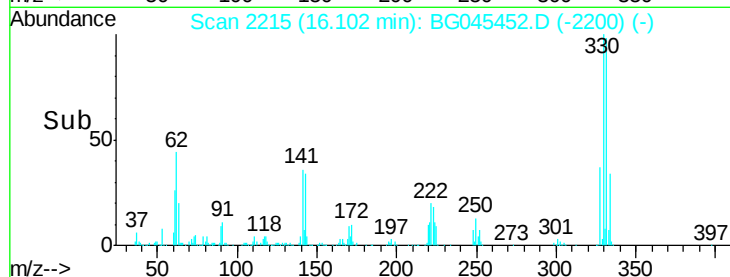
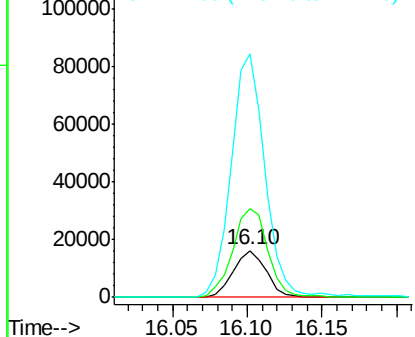
#67
 4-Bromophenyl-phenylether
 Concen: 5.148 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045452.D
 Acq: 21 May 2020 23:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 25014
 Ion Ratio Lower Upper
 248 100
 250 189.0 78.6 117.8#
 141 519.2 58.2 87.2#

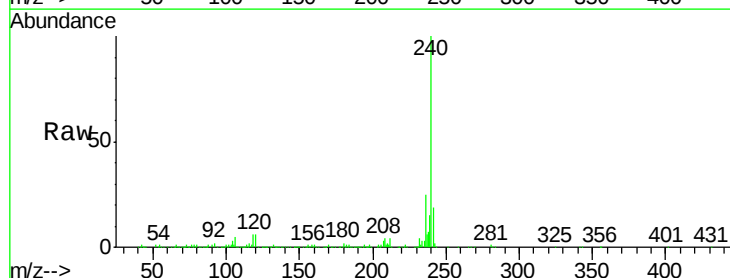


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

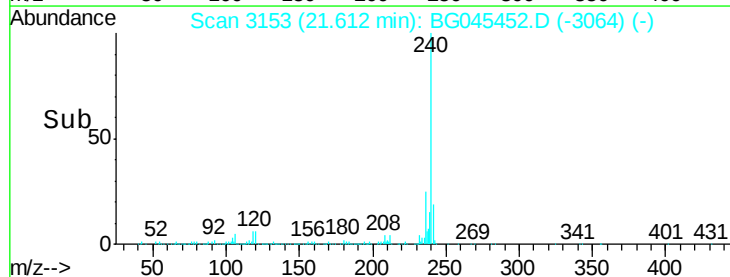
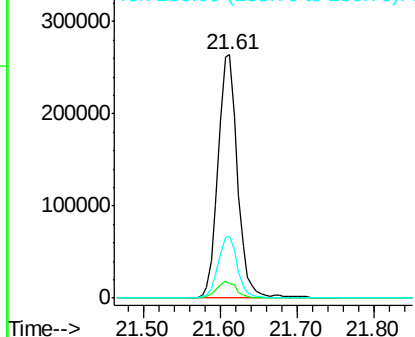


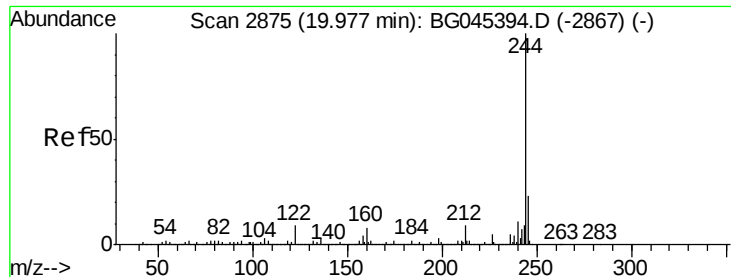
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.61 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG045452.D
 Acq: 21 May 2020 23:03

Tgt Ion:240 Resp: 462375
 Ion Ratio Lower Upper
 240 100
 120 6.2 6.1 9.1
 236 25.3 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





#79

Terphenyl-d14

Concen: 109.435 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045452.D

Acq: 21 May 2020 23:03

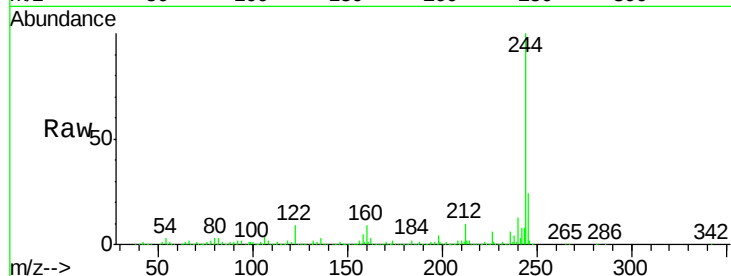
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2169535

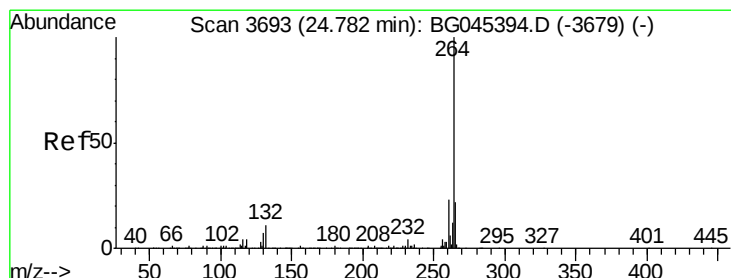
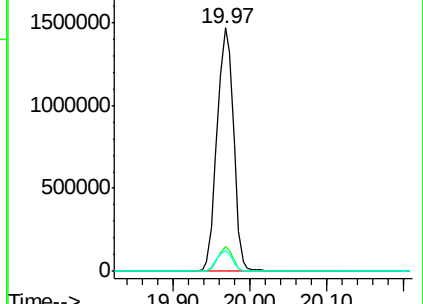
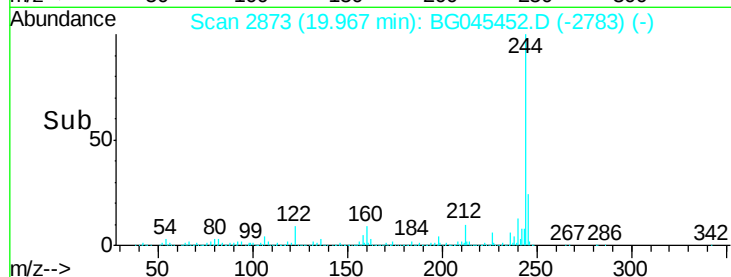
Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.4	11.0
122	8.8	6.8	10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

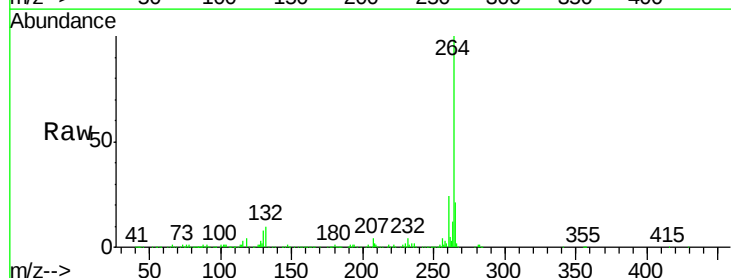
Delta R.T. -0.01 min

Lab File: BG045452.D

Acq: 21 May 2020 23:03

Tgt Ion:264 Resp: 485349

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.1	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

