

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045597.D
 Acq On : 4 Jun 2020 4:24
 Operator : CG/JU
 Sample : PB129278BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 04 05:53:23 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

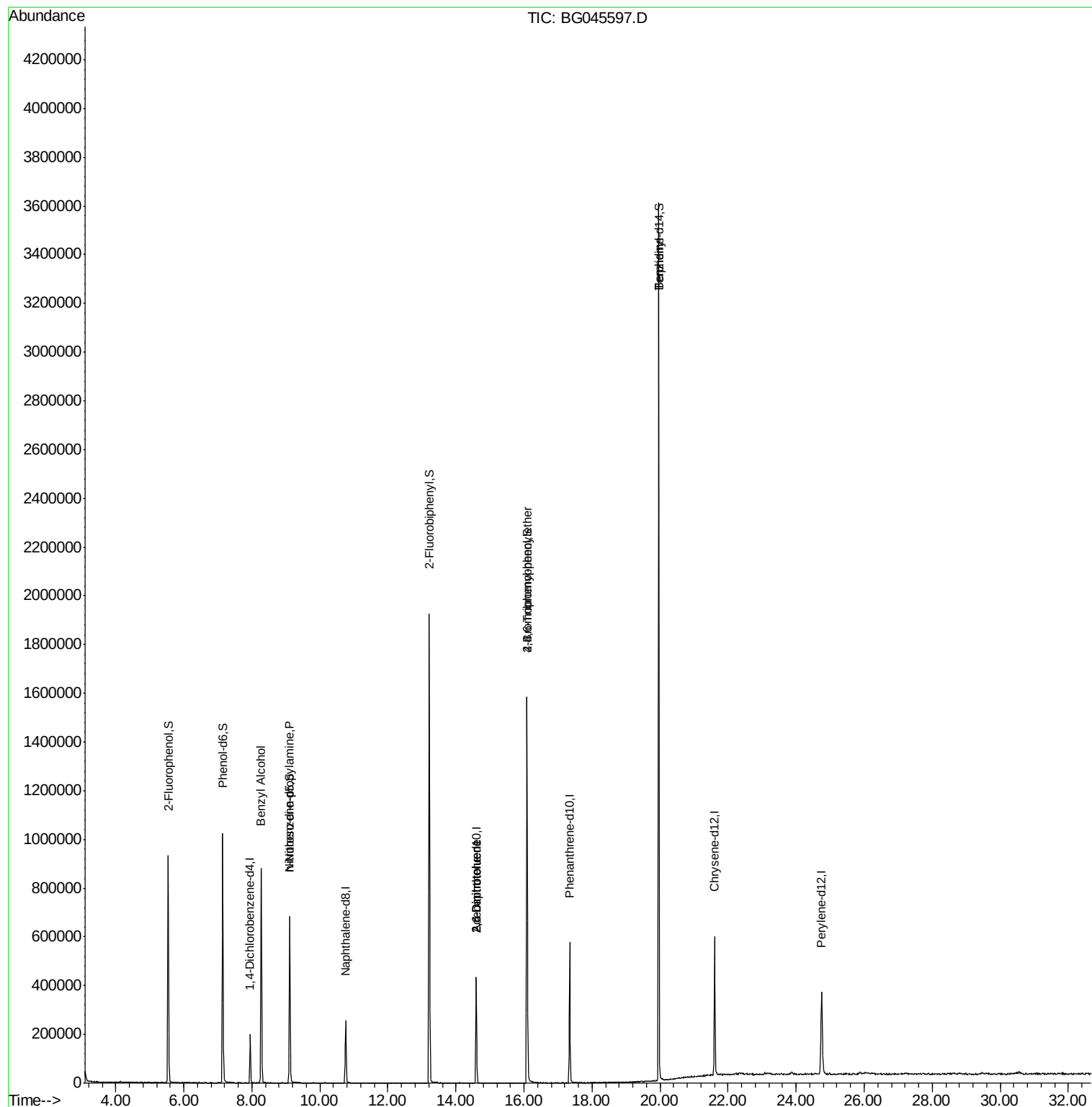
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	58119	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	234130	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	167799	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	395465	20.00	ng	0.00
76) Chrysene-d12	21.60	240	382540	20.00	ng	0.00
87) Perylene-d12	24.75	264	395728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	466901	157.00	ng	0.00
7) Phenol-d6	7.14	99	672242	158.82	ng	0.00
23) Nitrobenzene-d5	9.11	82	477488	111.21	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	351115	163.62	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1076793	108.85	ng	0.00
79) Terphenyl-d14	19.96	244	1806474	110.14	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.27	79	8804	2.518	ng	# 55
19) n-Nitroso-di-n-propylamine	9.11	70	64305	21.970	ng	# 80
51) 2,6-Dinitrotoluene	14.59	165	22483	8.656	ng	# 24
57) 2,4-Dinitrotoluene	14.59	165	22483	5.977	ng	# 24
67) 4-Bromophenyl-phenylether	16.09	248	23634	5.519	ng	# 1
77) Benzidine	19.96	184	34085	3.173	ng	# 89

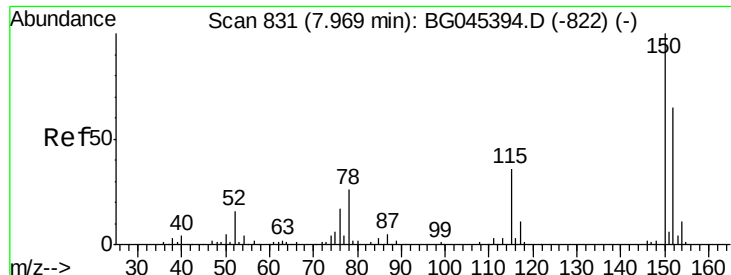
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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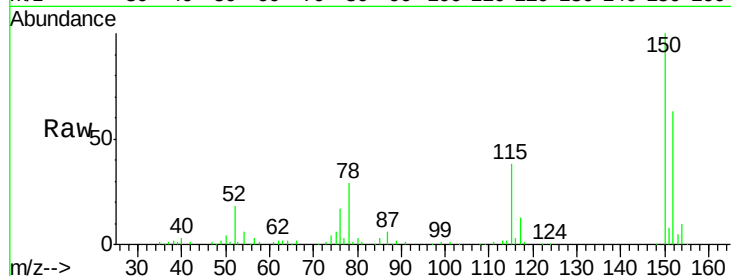




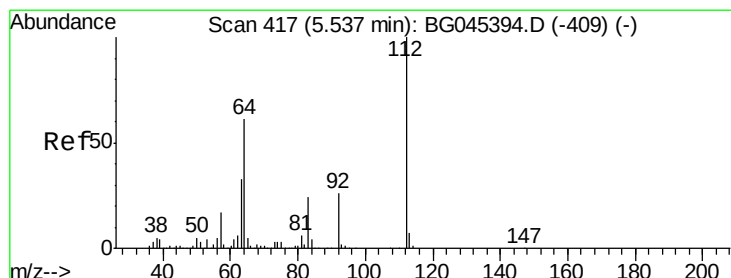
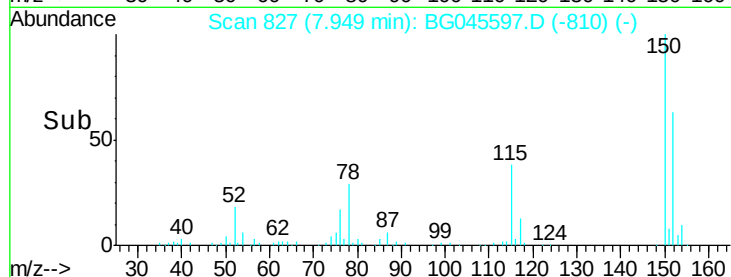
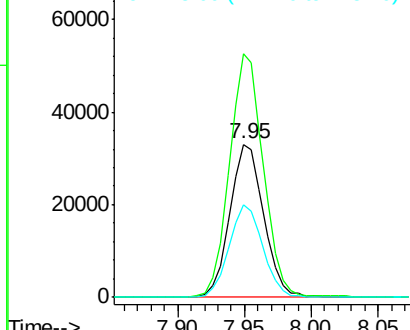
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.95 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: BG045597.D
 Acq: 4 Jun 2020 4:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 58119
 Ion Ratio Lower Upper
 152 100
 150 159.3 122.4 183.6
 115 60.9 44.2 66.4

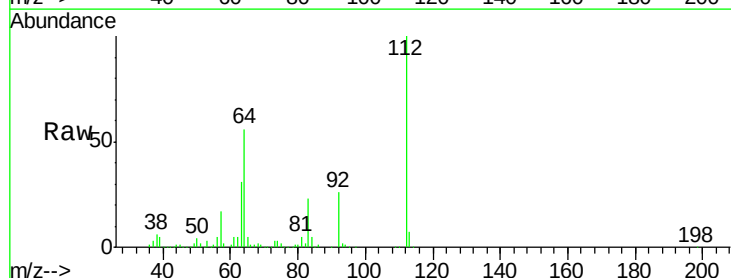


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

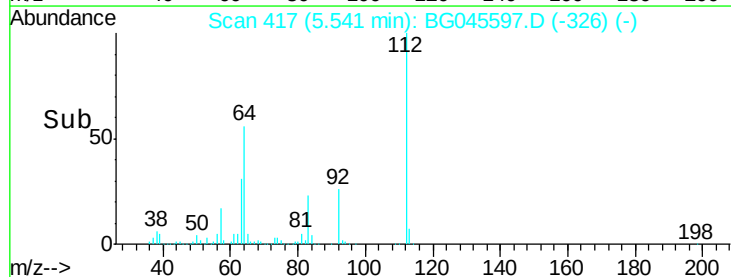
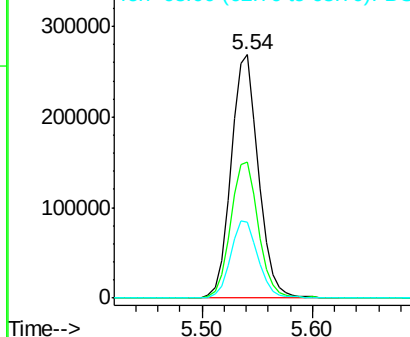


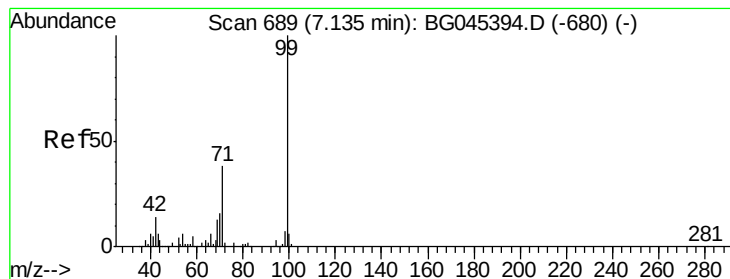
#5
 2-Fluorophenol
 Concen: 156.999 ng
 RT: 5.54 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BG045597.D
 Acq: 4 Jun 2020 4:24

Tgt Ion:112 Resp: 466901
 Ion Ratio Lower Upper
 112 100
 64 56.0 48.6 72.8
 63 31.3 26.5 39.7



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: 158.819 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045597.D

Acq: 4 Jun 2020 4:24

Instrument :

BNA_G

ClientSampled :

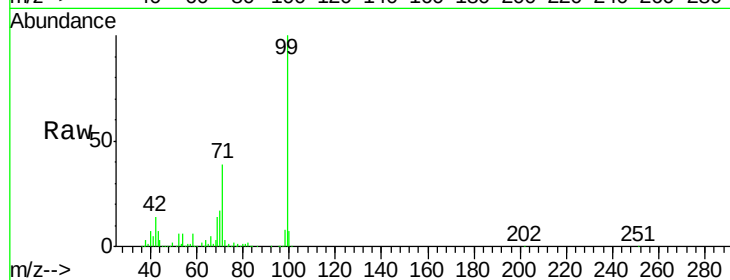
Tot Ion: 99 Resp: 672242

Ion Ratio Lower Upper

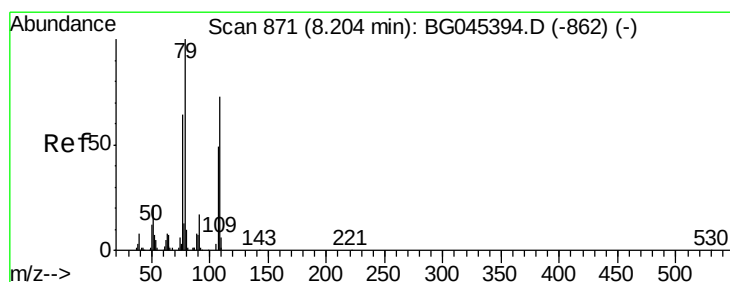
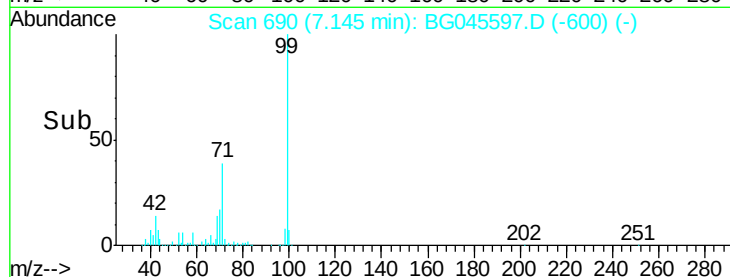
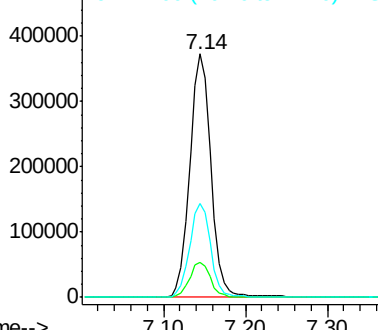
99 100

42 14.3 11.3 16.9

71 38.7 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: 2.518 ng

RT: 8.27 min Scan# 881

Delta R.T. 0.07 min

Lab File: BG045597.D

Acq: 4 Jun 2020 4:24

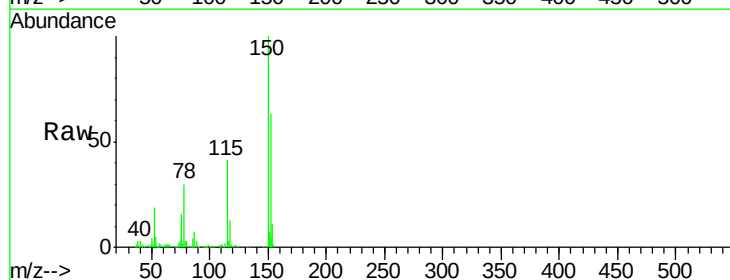
Tgt Ion: 79 Resp: 8804

Ion Ratio Lower Upper

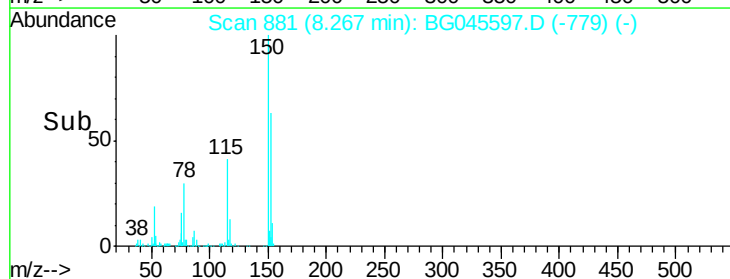
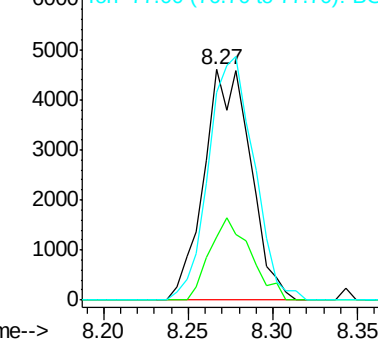
79 100

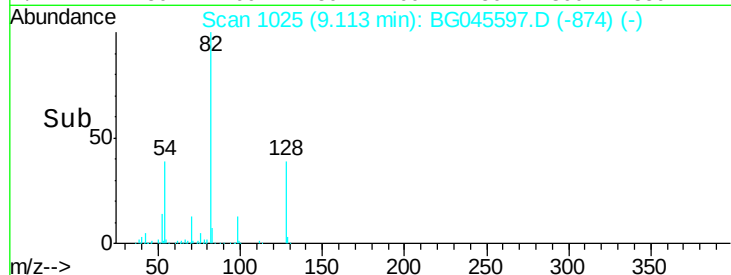
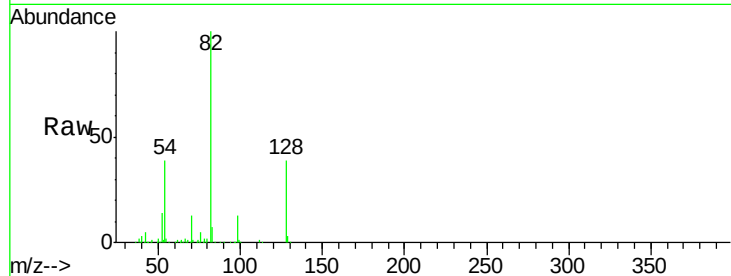
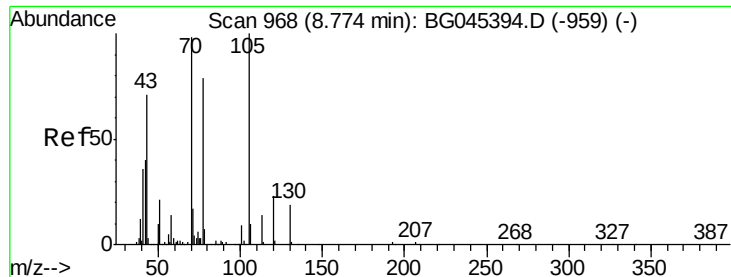
108 27.4 58.2 87.4#

77 90.1 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

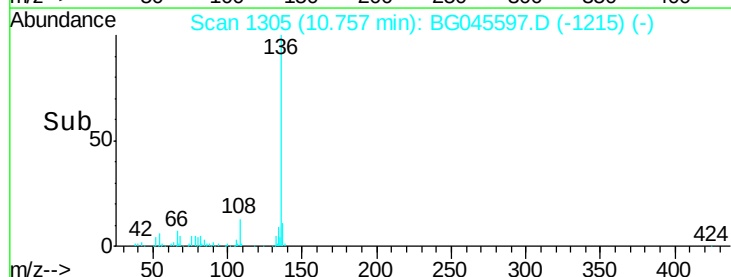
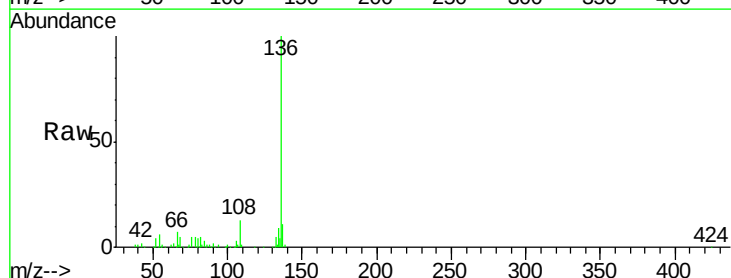
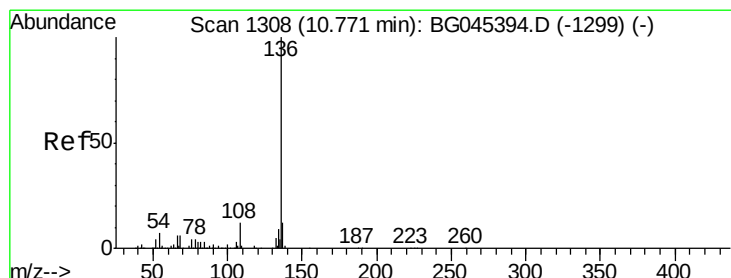
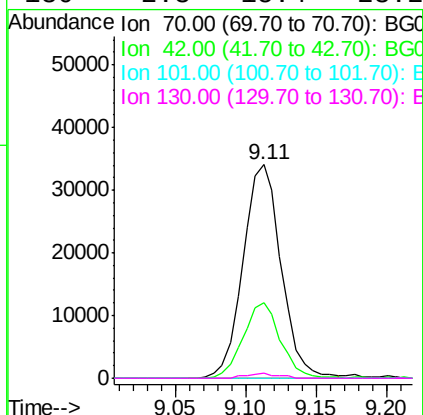




#19
n-Nitroso-di-n-propylamine
Concen: 21.970 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.36 min
Lab File: BG045597.D
Acq: 4 Jun 2020 4:24

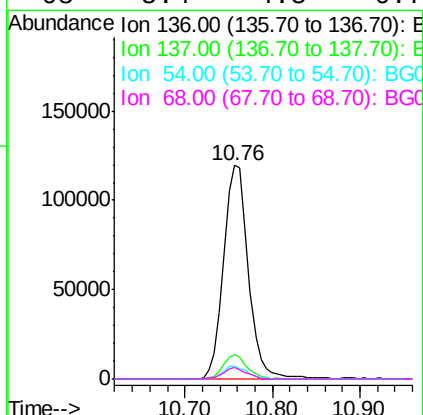
Instrument :
BNA_G
ClientSampleId :

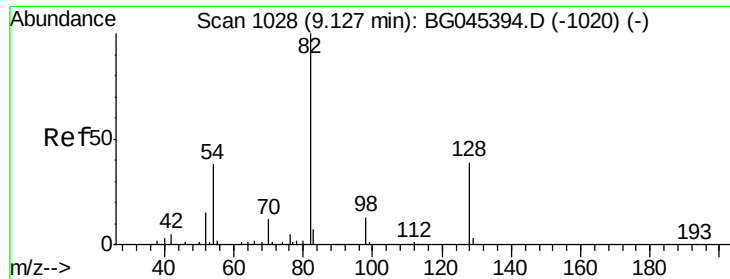
Tot Ion:	70	Resp:	64305
Ion	Ratio	Lower	Upper
70	100		
42	35.4	33.2	49.8
101	0.0	7.8	11.6#
130	2.3	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045597.D
Acq: 4 Jun 2020 4:24

Tgt Ion:	136	Resp:	234130
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.2
54	5.8	5.8	8.6
68	5.4	4.5	6.7

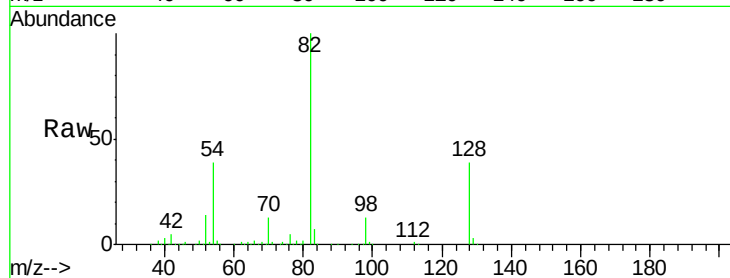




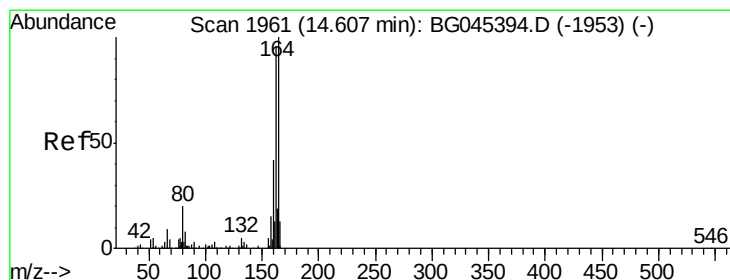
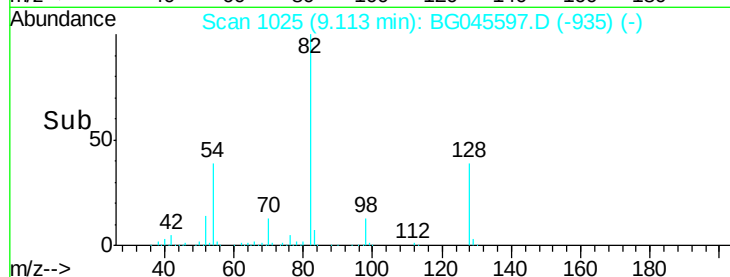
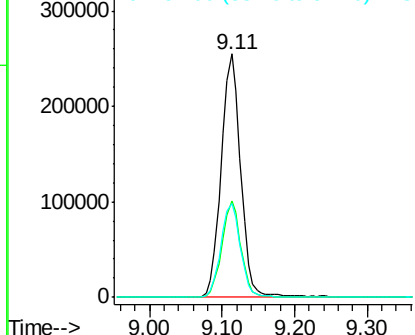
#23
Nitrobenzene-d5
Concen: 111.212 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG045597.D
Acq: 4 Jun 2020 4:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	477488
Ion Ratio	Lower	Upper	
82	100		
128	39.3	30.9	46.3
54	38.5	30.3	45.5

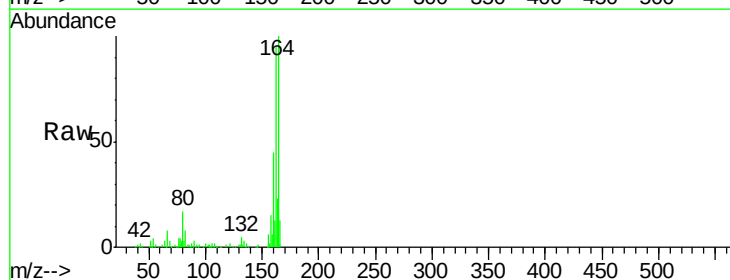


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

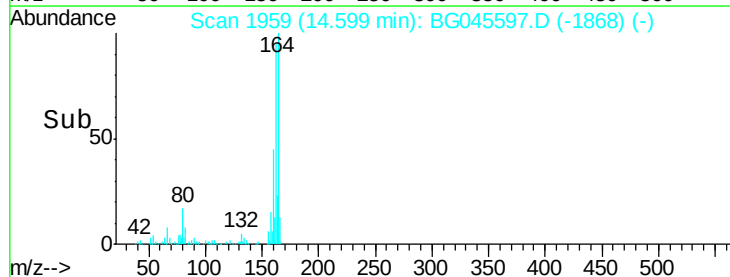
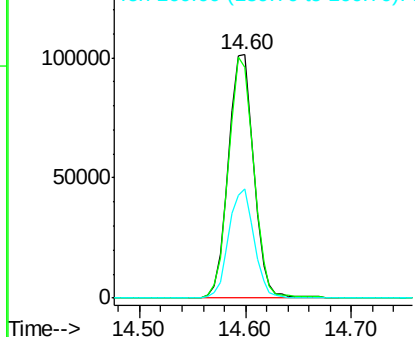


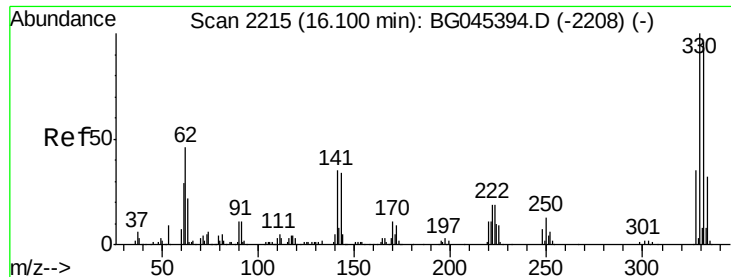
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BG045597.D
Acq: 4 Jun 2020 4:24

Tgt Ion	164	Resp	167799
Ion Ratio	Lower	Upper	
164	100		
162	95.0	76.9	115.3
160	44.9	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: 163.617 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045597.D

Acq: 4 Jun 2020 4:24

Instrument :

BNA_G

ClientSampleId :

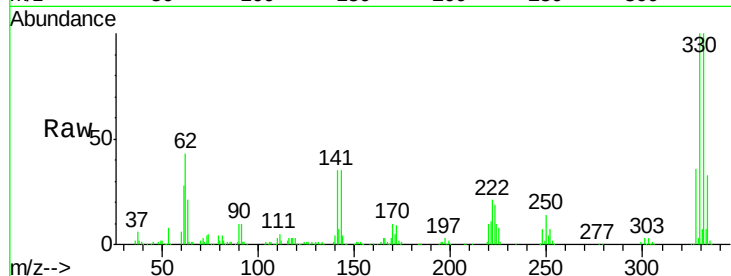
Tot Ion:330 Resp: 351115

Ion Ratio Lower Upper

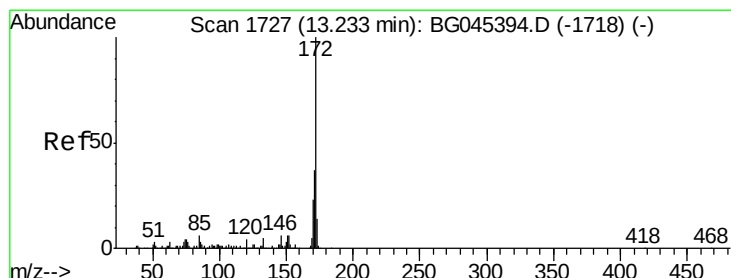
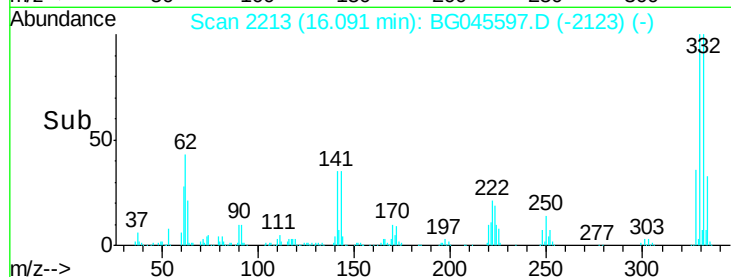
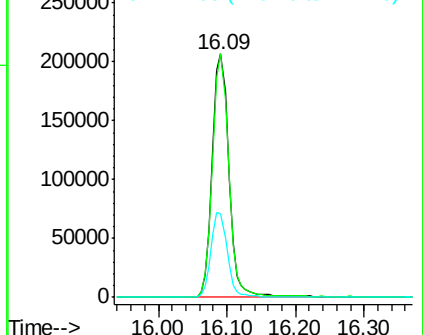
330 100

332 97.5 78.2 117.4

141 34.6 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: 108.848 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045597.D

Acq: 4 Jun 2020 4:24

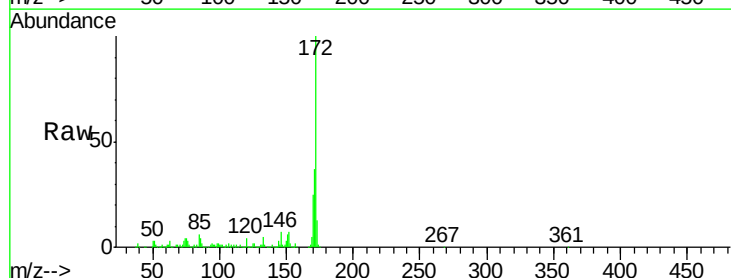
Tgt Ion:172 Resp: 1076793

Ion Ratio Lower Upper

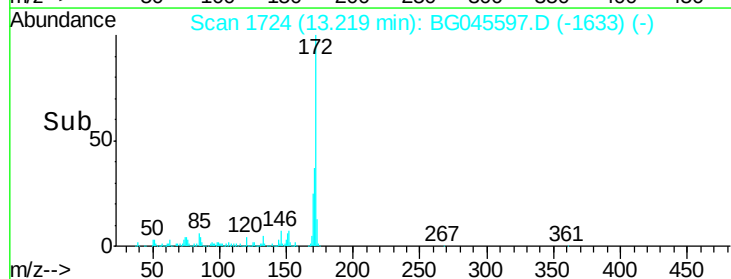
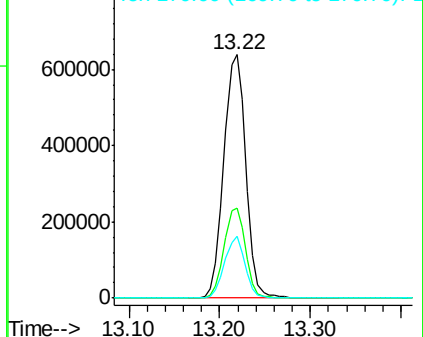
172 100

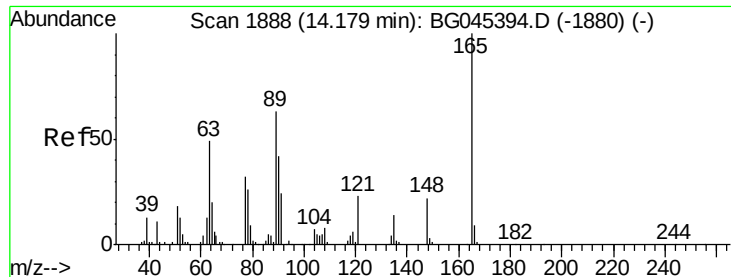
171 37.2 29.5 44.3

170 25.2 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

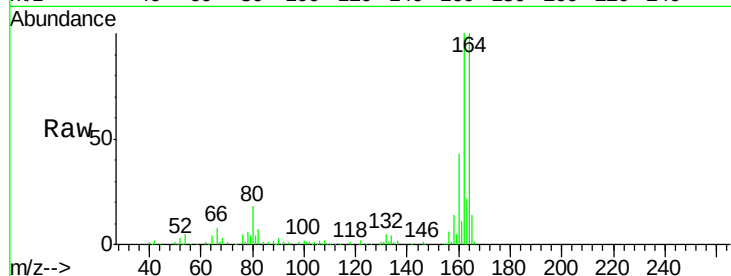




#51
 2,6-Dinitrotoluene
 Concen: 8.656 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG045597.D
 Acq: 4 Jun 2020 4:24

Instrument :
 BNA_G
 ClientSampleId :

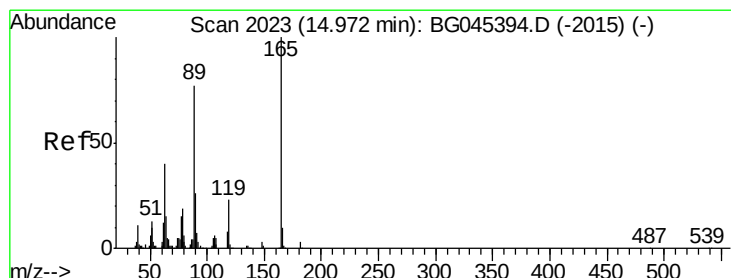
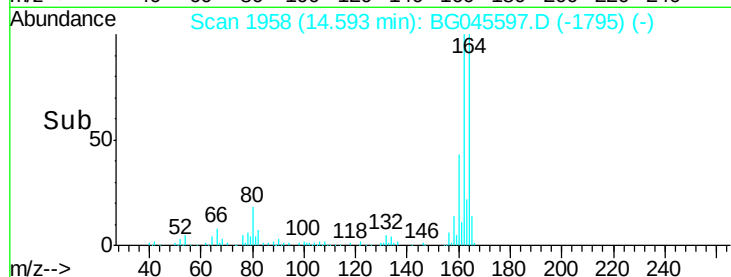
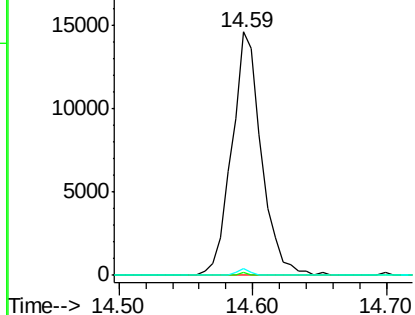
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	45.0	67.4#
89	2.8	50.2	75.4#



Abundance Ion 165.00 (164.70 to 165.70): E

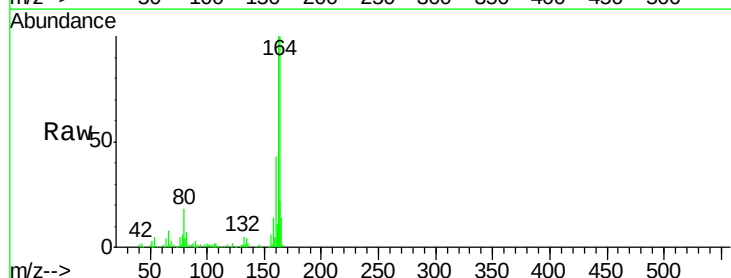
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.977 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.37 min
 Lab File: BG045597.D
 Acq: 4 Jun 2020 4:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.5	48.7#
89	2.8	61.8	92.6#
182	0.0	2.3	3.5#

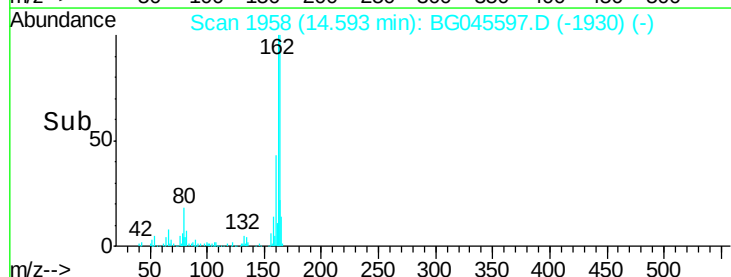
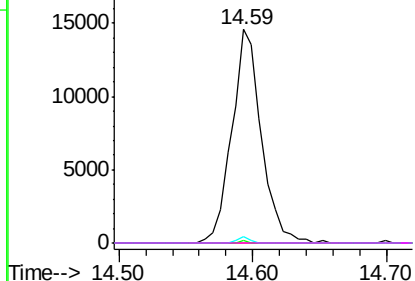


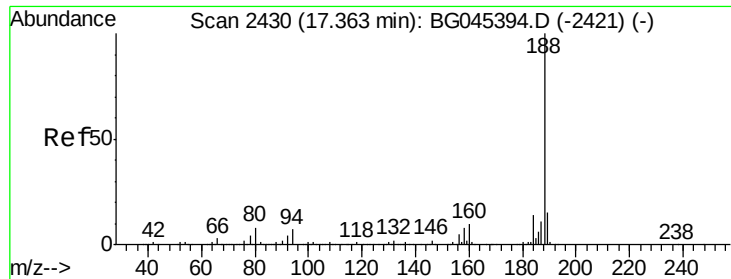
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BG045597.D

Acq: 4 Jun 2020 4:24

Instrument :

BNA_G

ClientSampleId :

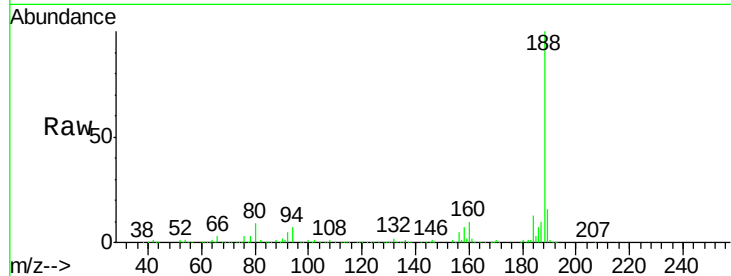
Tot Ion:188 Resp: 395465

Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

80 8.6 6.6 10.0

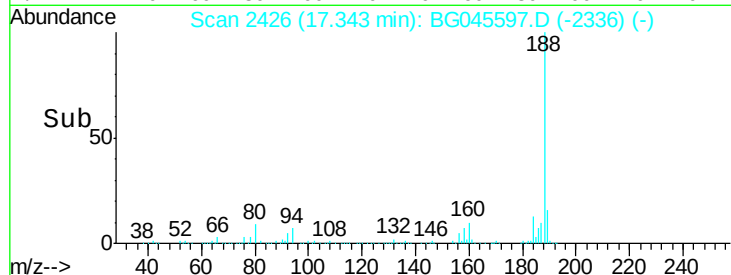


Abundance Ion 188.00 (187.70 to 188.70): E

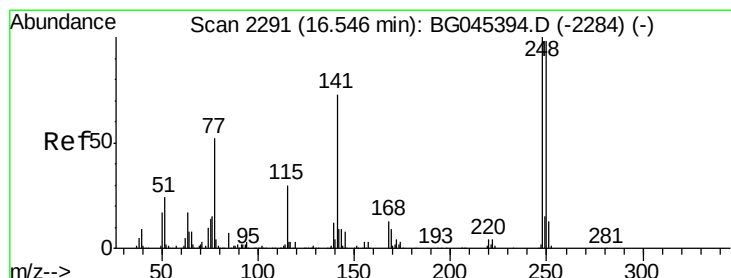
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 5.519 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.44 min

Lab File: BG045597.D

Acq: 4 Jun 2020 4:24

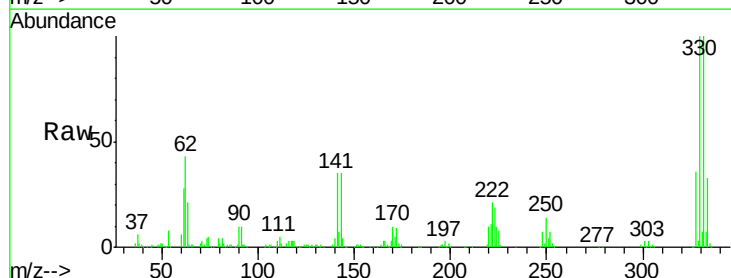
Tgt Ion:248 Resp: 23634

Ion Ratio Lower Upper

248 100

250 190.8 78.6 117.8#

141 481.6 58.2 87.2#

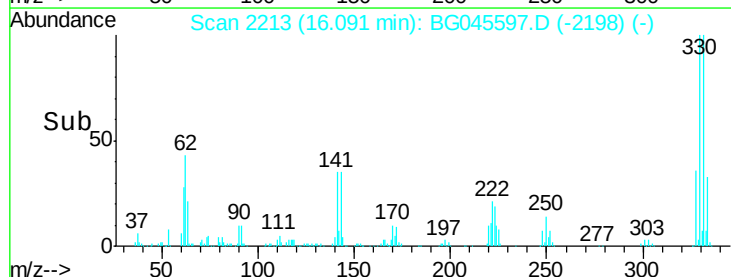


Abundance Ion 248.00 (247.70 to 248.70): E

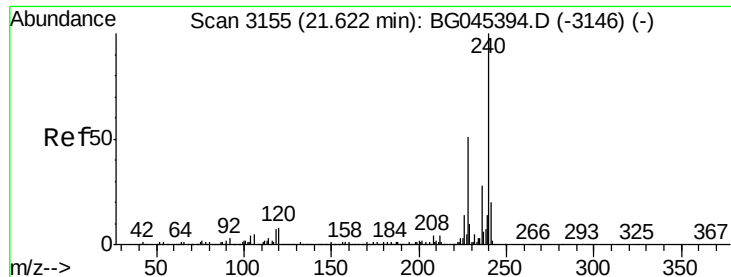
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



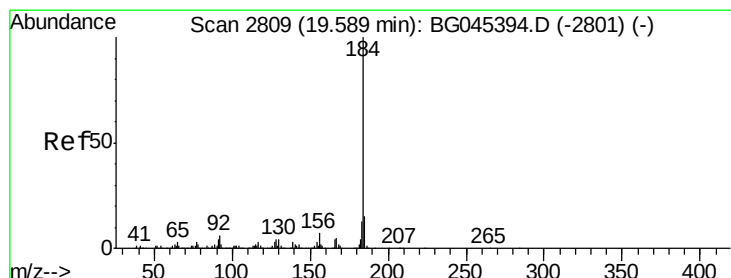
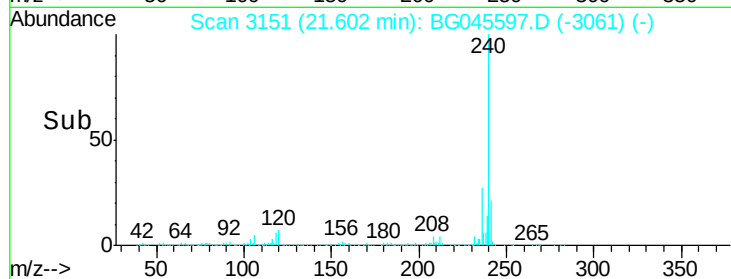
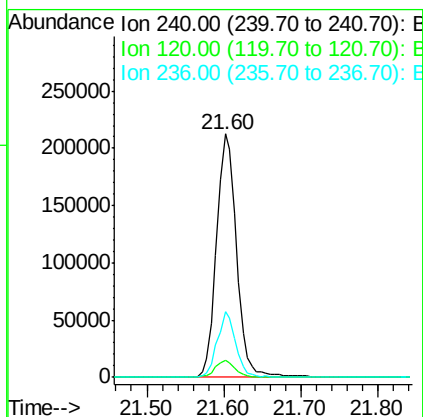
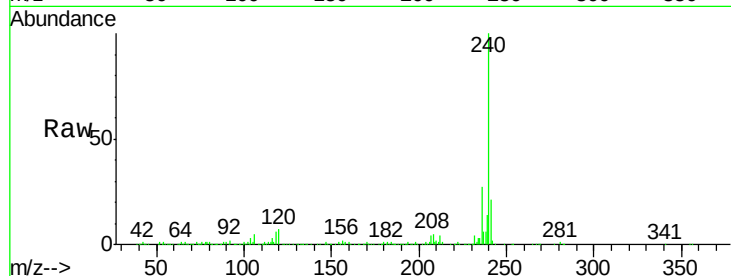
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG045597.D
Acq: 4 Jun 2020 4:24

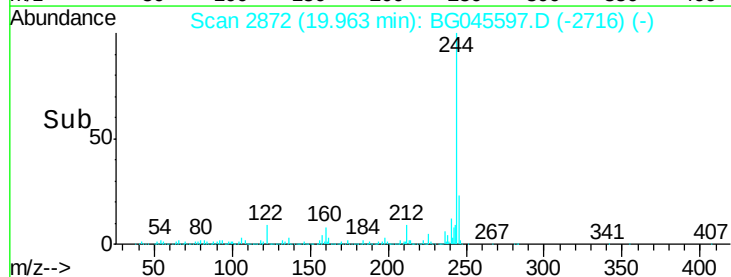
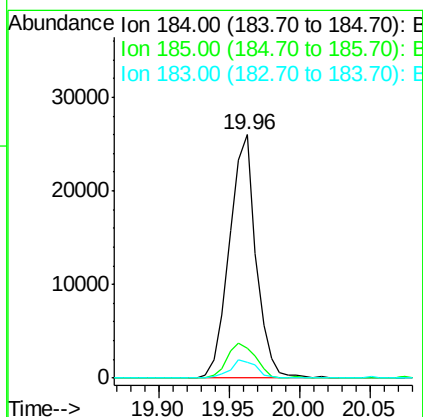
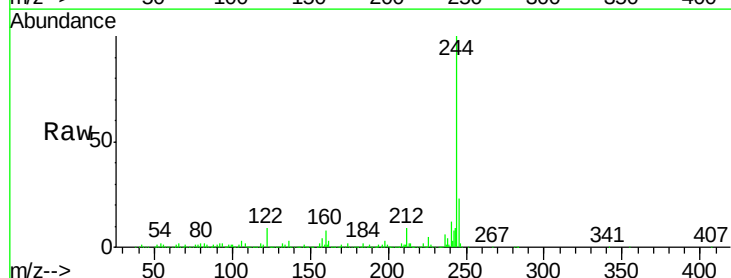
Instrument :
BNA_G
ClientSampled :

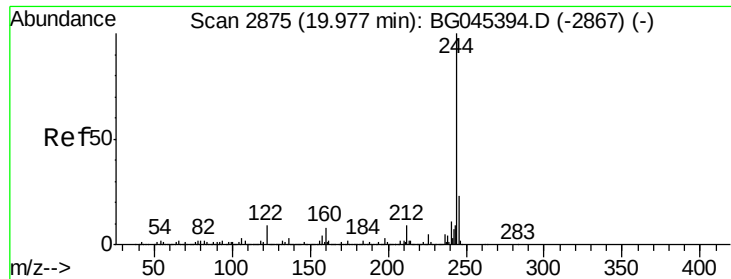
Tot Ion:240 Resp: 382540
Ion Ratio Lower Upper
240 100
120 7.2 6.1 9.1
236 27.1 22.3 33.5



#77
Benzidine
Concen: 3.173 ng
RT: 19.96 min Scan# 2872
Delta R.T. 0.39 min
Lab File: BG045597.D
Acq: 4 Jun 2020 4:24

Tgt Ion:184 Resp: 34085
Ion Ratio Lower Upper
184 100
185 12.3 11.7 17.5
183 6.3 10.2 15.4#



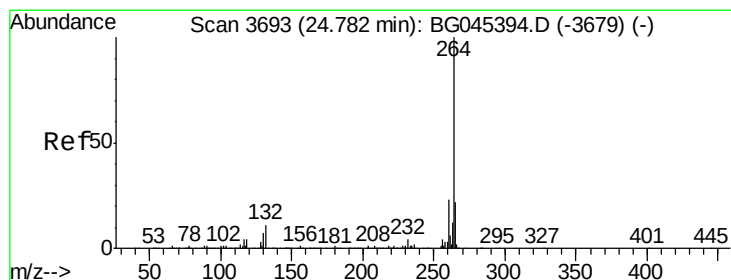
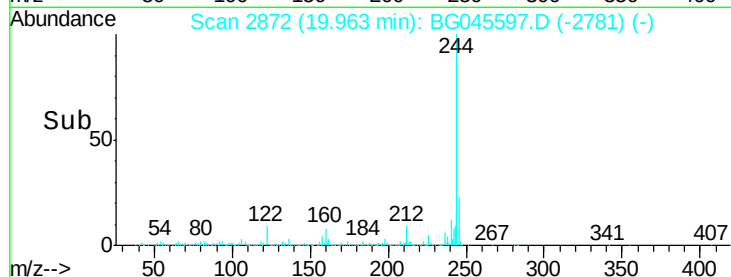
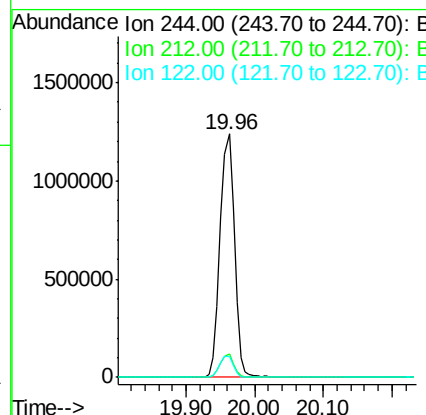
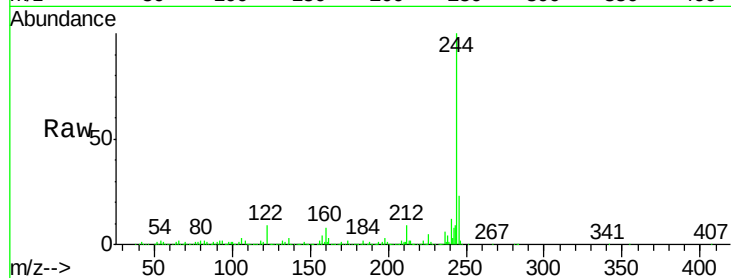


#79
 Terphenyl-d14
 Concen: 110.138 ng
 RT: 19.96 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: BG045597.D
 Acq: 4 Jun 2020 4:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1806474

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.4	11.0
122	8.7	6.8	10.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: BG045597.D
 Acq: 4 Jun 2020 4:24

Tgt Ion:264 Resp: 395728

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	21.5	17.6	26.4

