

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022120\
 Data File : BG044560.D
 Acq On : 21 Feb 2020 22:12
 Operator : CG/JU
 Sample : PB126945TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 22 05:53:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 21 16:02:12 2020
 Response via : Initial Calibration

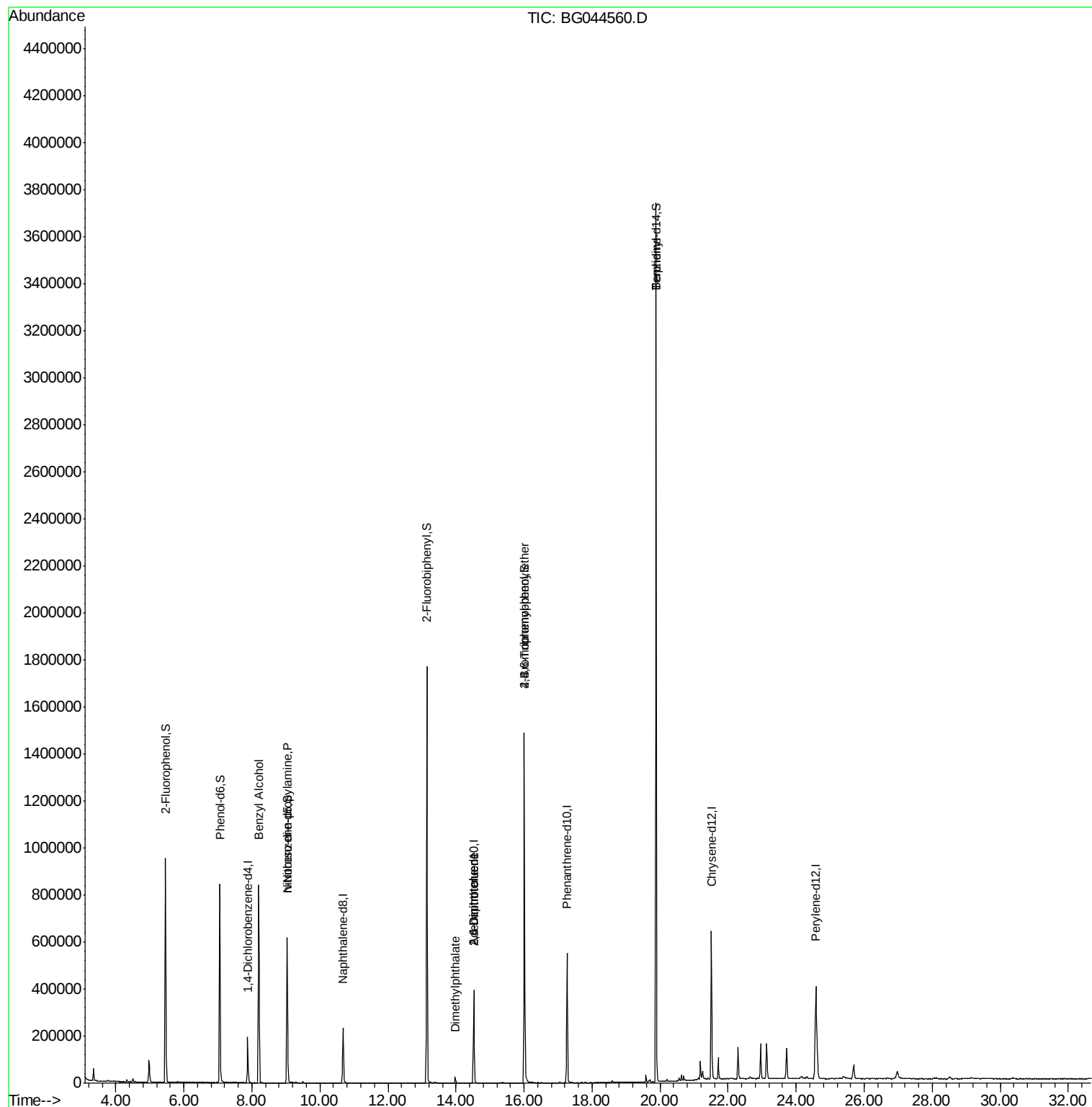
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	57170	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	231110	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	154433	20.00	ng	0.00
64) Phenanthrene-d10	17.27	188	374705	20.00	ng	0.00
76) Chrysene-d12	21.50	240	373310	20.00	ng	-0.01
87) Perylene-d12	24.57	264	414024	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	465003	143.55	ng	0.00
7) Phenol-d6	7.06	99	554455	127.46	ng	0.00
23) Nitrobenzene-d5	9.04	82	401988	98.20	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	314532	173.49	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	968512	105.02	ng	0.00
79) Terphenyl-d14	19.88	244	1830981	100.88	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.20	79	6645	2.158	ng	# 43
19) n-Nitroso-di-n-propylamine	9.04	70	50765	17.511	ng	# 77
50) Dimethylphthalate	13.98	163	24178	2.178	ng	# 98
51) 2,6-Dinitrotoluene	14.52	165	19699	7.959	ng	# 32
57) 2,4-Dinitrotoluene	14.52	165	19699	5.678	ng	# 29
67) 4-Bromophenyl-phenylether	16.01	248	21479	5.261	ng	# 1
77) Benzidine	19.88	184	29364	2.836	ng	# 91

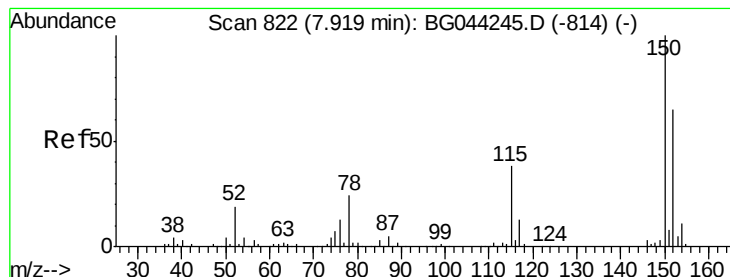
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 21 16:02:12 2020
Response via : Initial Calibration



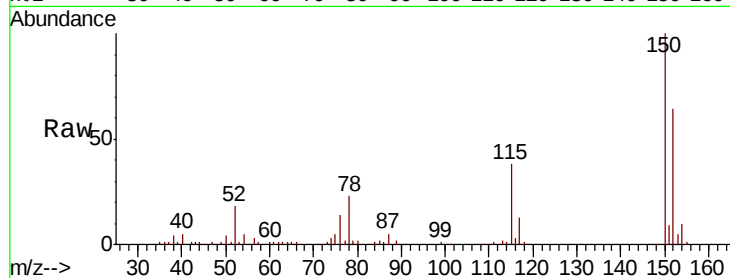


#1

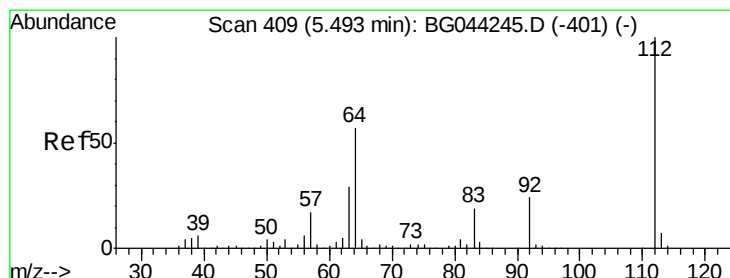
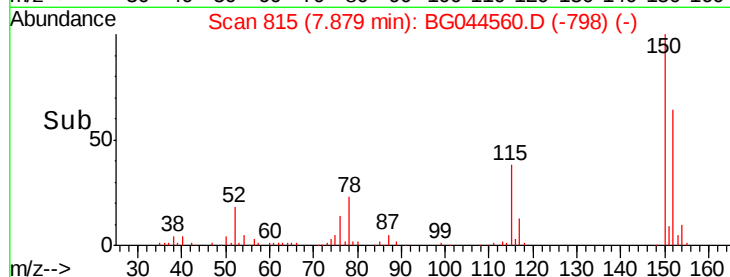
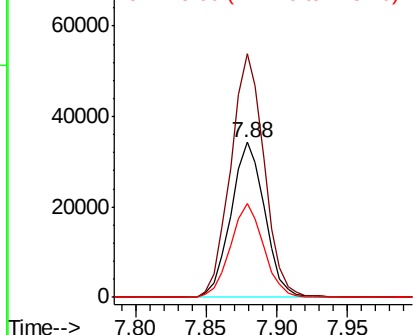
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 57170
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.1 184.7
 115 60.3 45.1 67.7



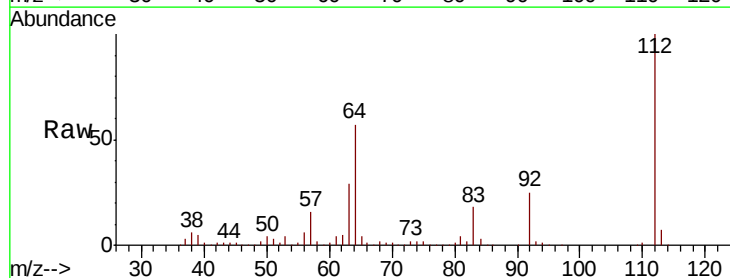
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



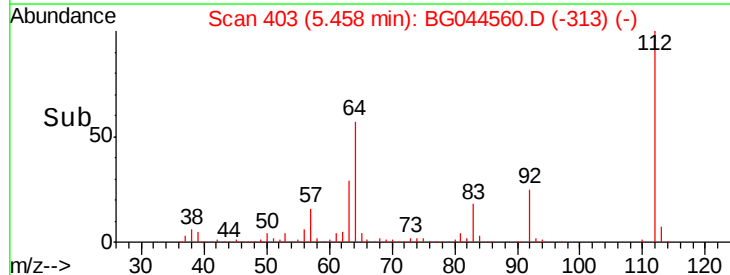
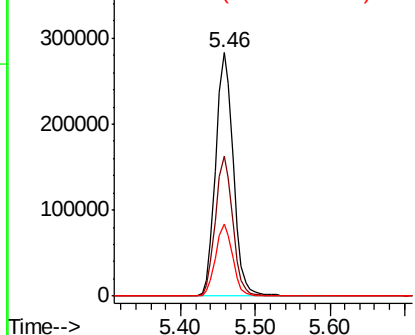
#5

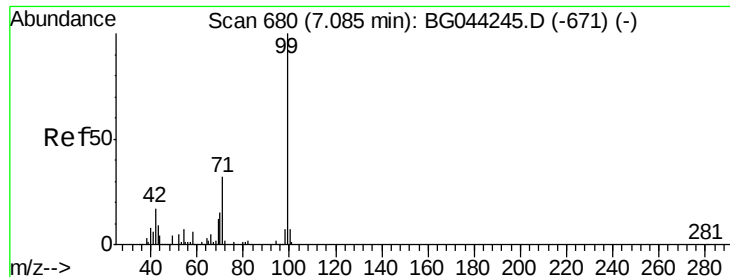
2-Fluorophenol
 Concen: 143.547 ng
 RT: 5.46 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Tgt Ion:112 Resp: 465003
 Ion Ratio Lower Upper
 112 100
 64 57.3 44.5 66.7
 63 29.5 22.2 33.2



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: 127.461 ng

RT: 7.06 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

Instrument :

BNA_G

ClientSampleId :

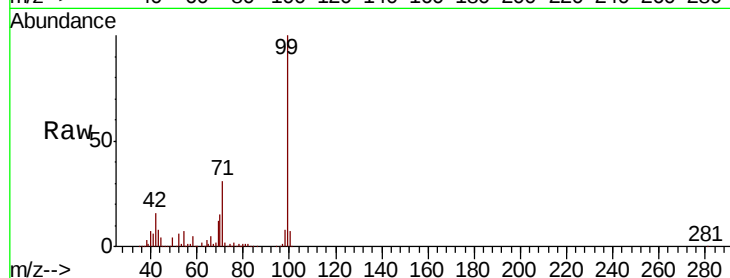
Tot Ion: 99 Resp: 554455

Ion Ratio Lower Upper

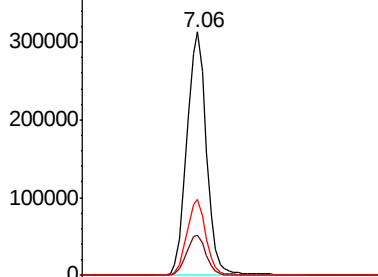
99 100

42 16.4 13.4 20.0

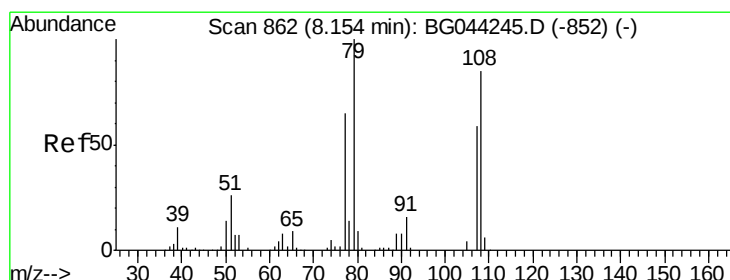
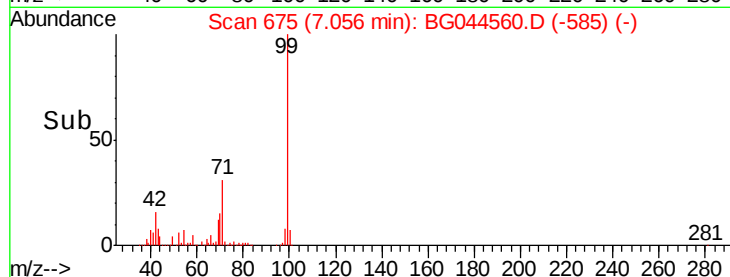
71 31.4 24.7 37.1



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



Time-->



#15

Benzyl Alcohol

Concen: 2.158 ng

RT: 8.20 min Scan# 870

Delta R.T. 0.08 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

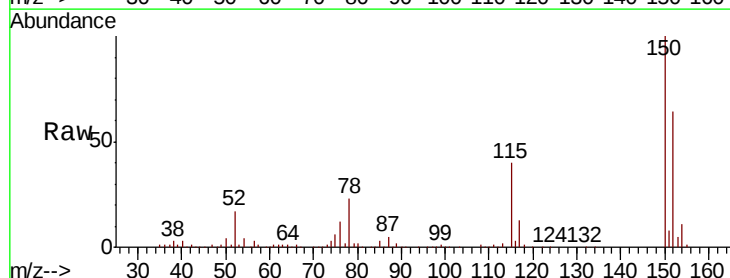
Tgt Ion: 79 Resp: 6645

Ion Ratio Lower Upper

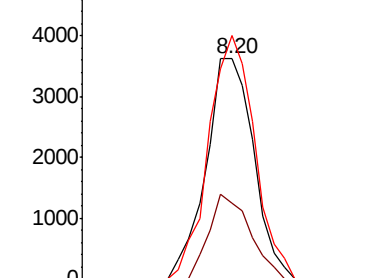
79 100

108 34.5 66.0 99.0#

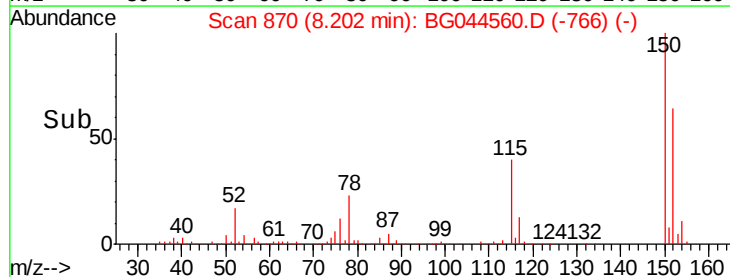
77 110.5 50.7 76.1#



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



Time-->

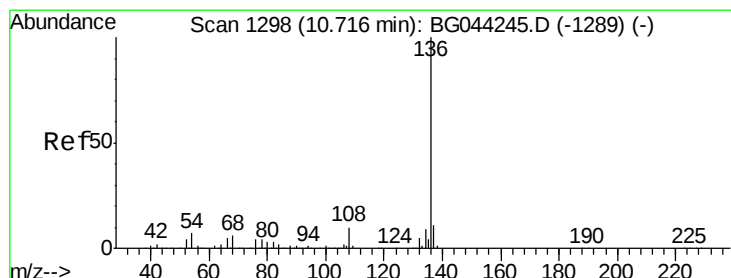
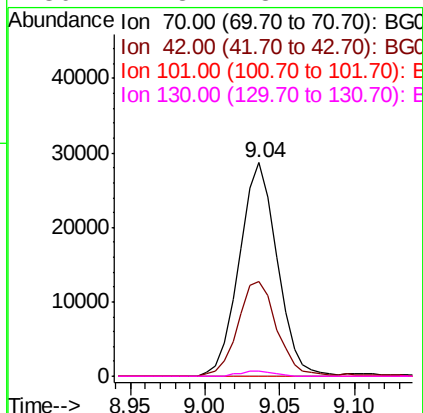
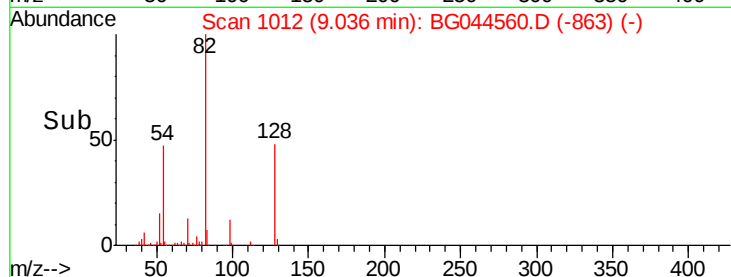
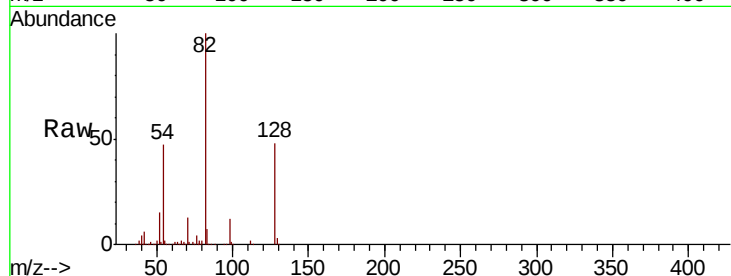




#19
n-Nitroso-di-n-propylamine
Concen: 17.511 ng
RT: 9.04 min Scan# 1012
Delta R.T. 0.35 min
Lab File: BG044560.D
Acq: 21 Feb 2020 22:12

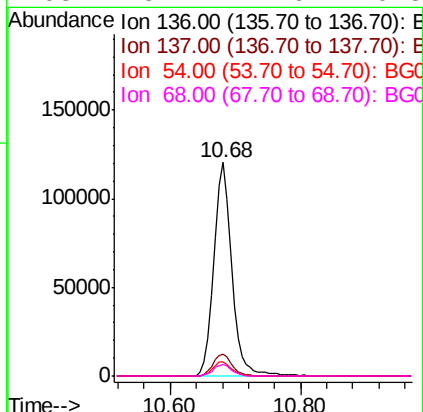
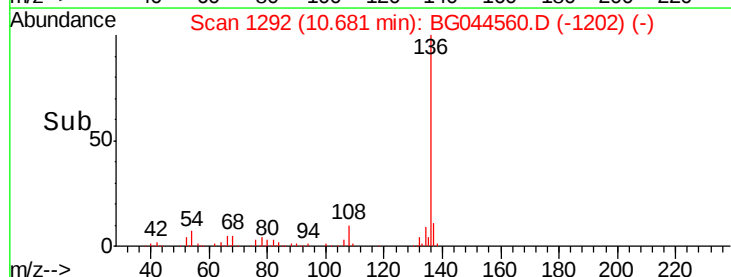
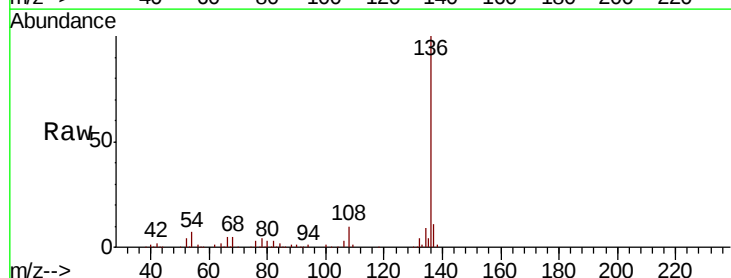
Instrument :
BNA_G
ClientSampleId :

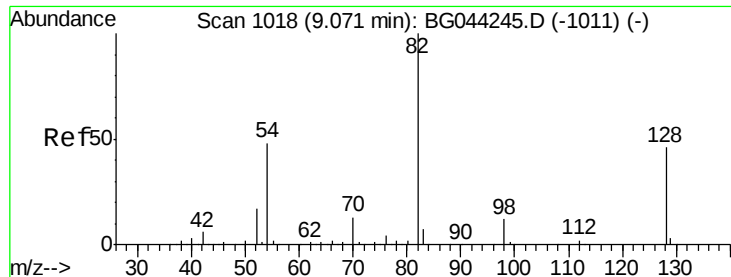
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.3	44.0	66.0
101	0.0	7.6	11.4#
130	2.3	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BG044560.D
Acq: 21 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	6.9	5.5	8.3
68	5.4	4.6	6.8

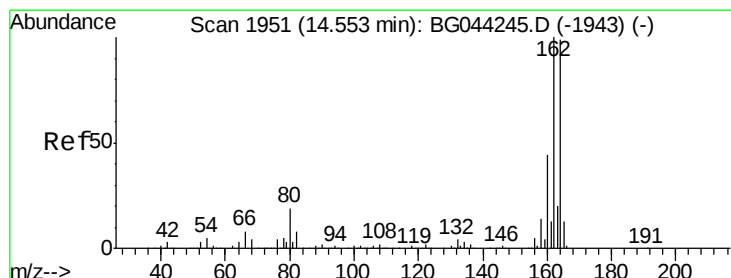
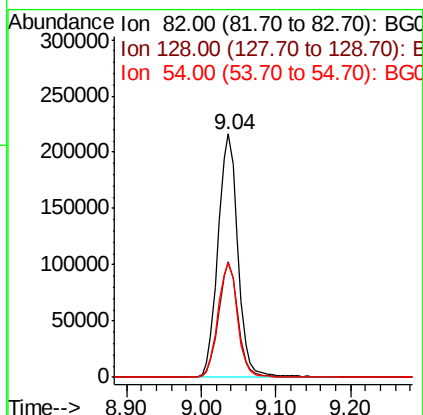
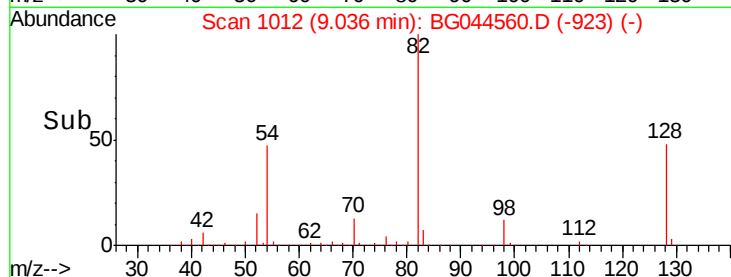
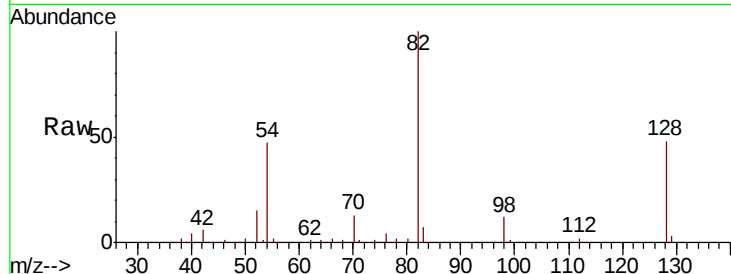




#23
 Nitrobenzene-d5
 Concen: 98.199 ng
 RT: 9.04 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

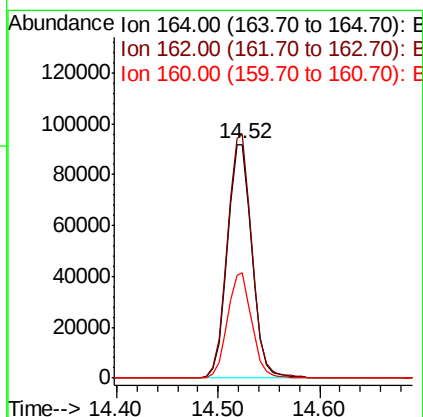
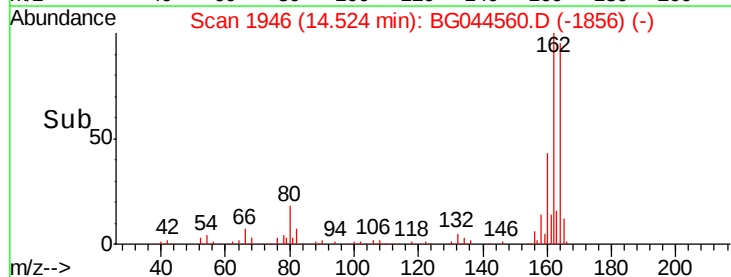
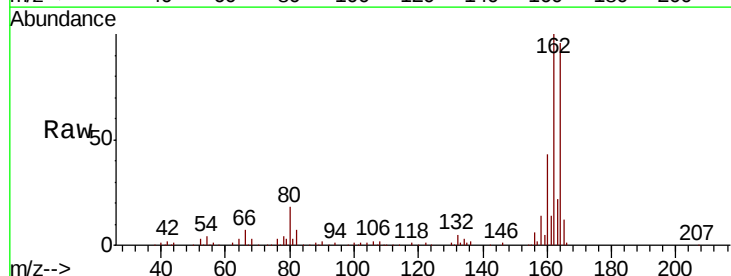
Instrument :
 BNA_G
 ClientSampled :

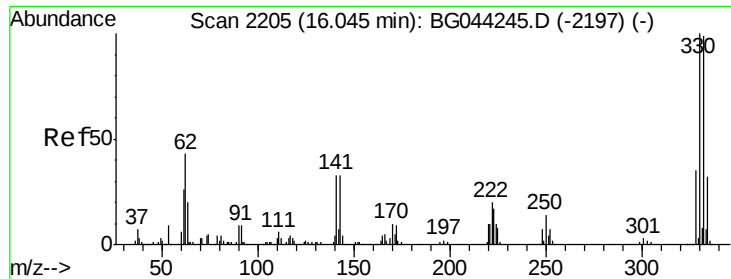
Tot Ion	82	Resp	401988
Ion Ratio	100		
Lower	39.1		
Upper	58.7		
128	47.6		
54	47.2		



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Tgt Ion	164	Resp	154433
Ion Ratio	100		
Lower	81.9		
Upper	122.9		
162	104.3		
160	45.2		

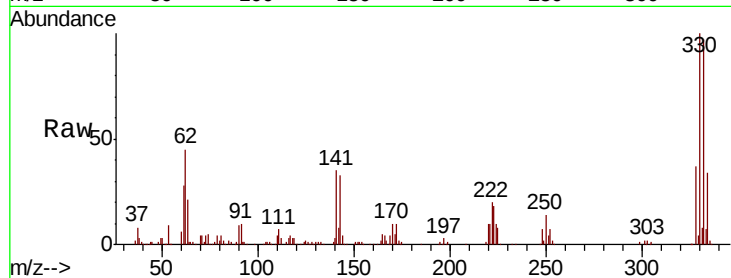




#42
 2,4,6-Tribromophenol
 Concen: 173.491 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	34.2	26.5	39.7

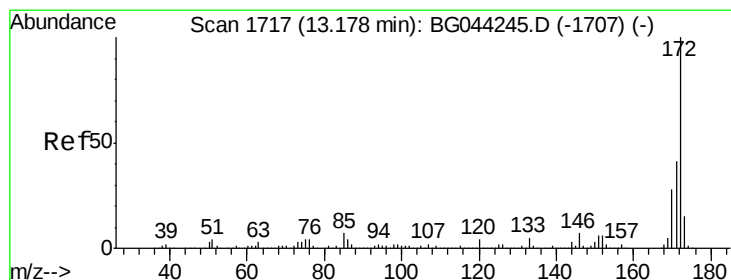
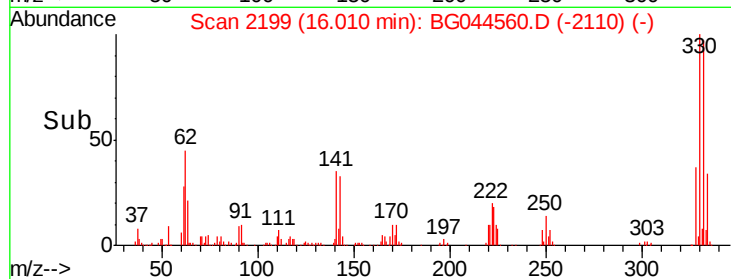
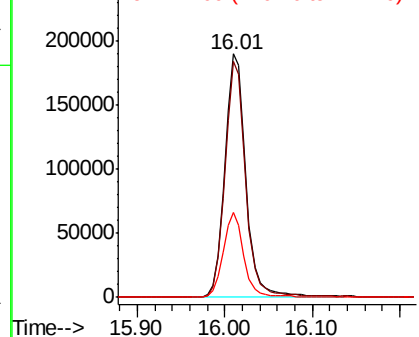


Abundance

Ion 329.80 (329.50 to 330.50): E

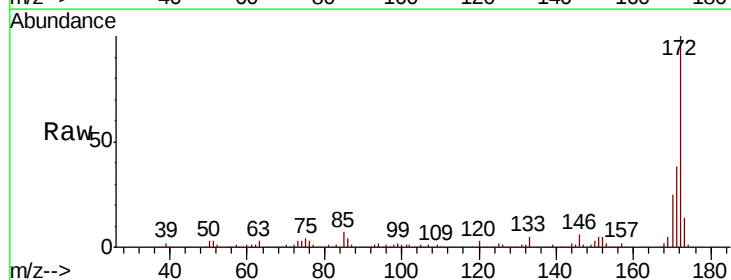
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 105.018 ng
 RT: 13.14 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	32.3	48.5
170	25.4	21.6	32.4

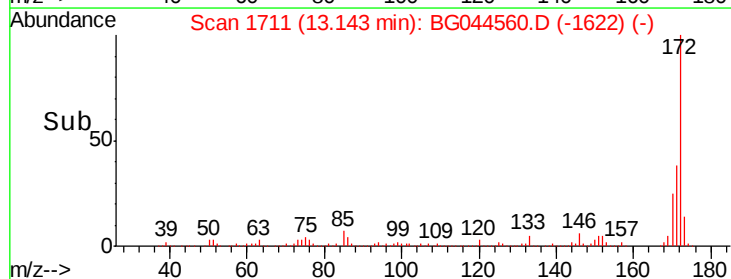
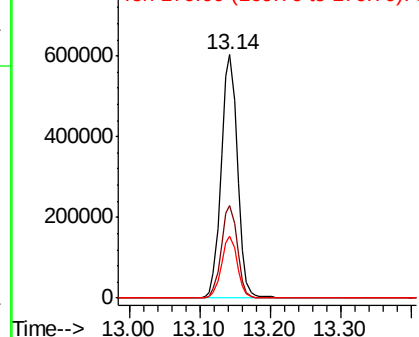


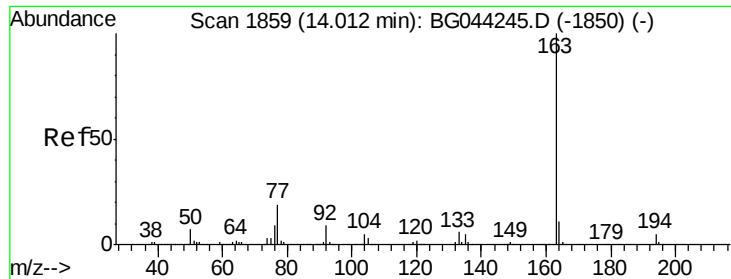
Abundance

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: 2.178 ng

RT: 13.98 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

Instrument :

BNA_G

ClientSampleId :

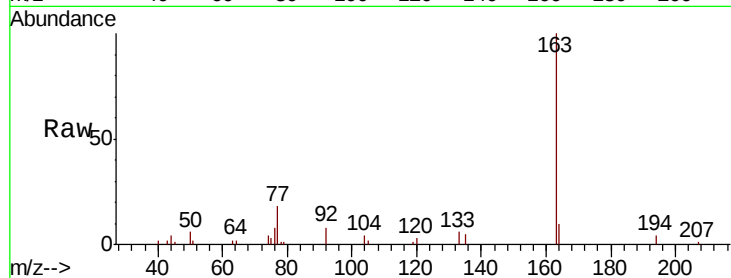
Tot Ion:163 Resp: 24178

Ion Ratio Lower Upper

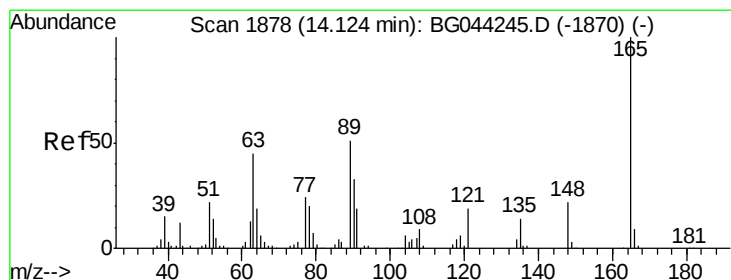
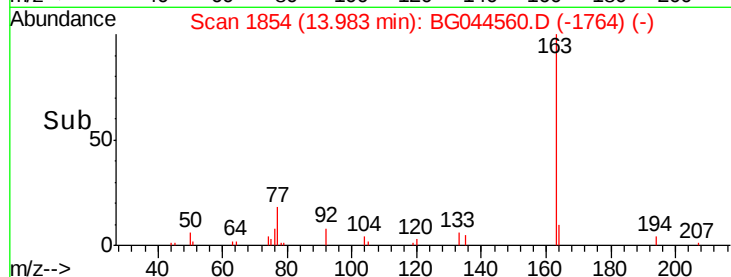
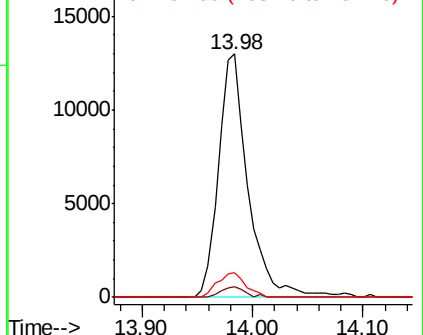
163 100

194 4.3 3.6 5.4

164 10.0 8.9 13.3



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: 7.959 ng

RT: 14.52 min Scan# 1945

Delta R.T. 0.42 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

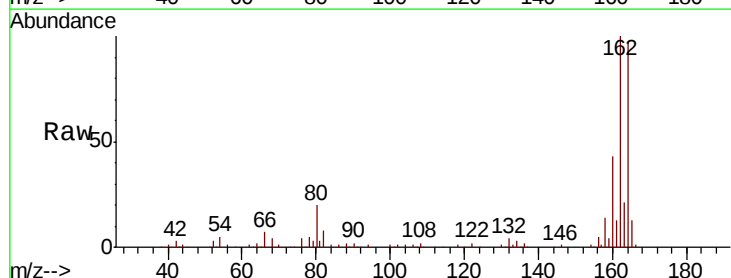
Tgt Ion:165 Resp: 19699

Ion Ratio Lower Upper

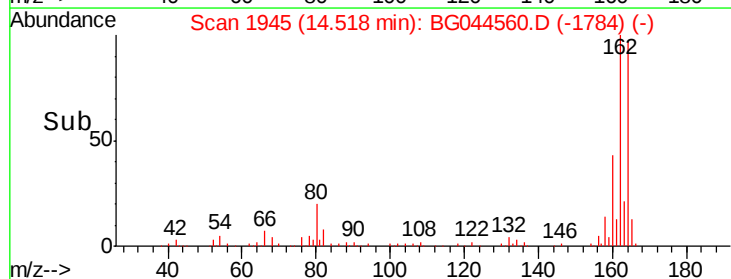
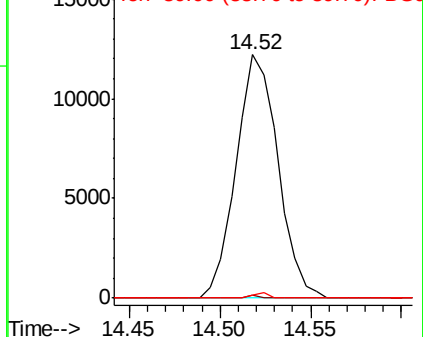
165 100

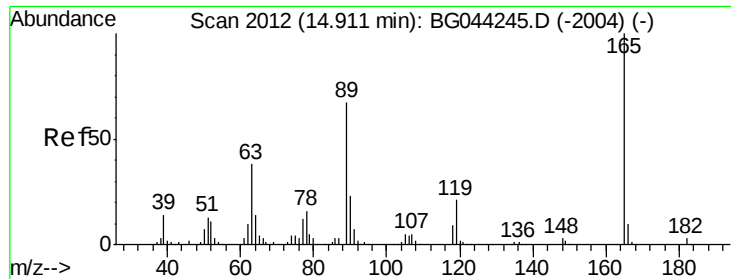
63 1.3 35.0 52.6#

89 1.3 39.5 59.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

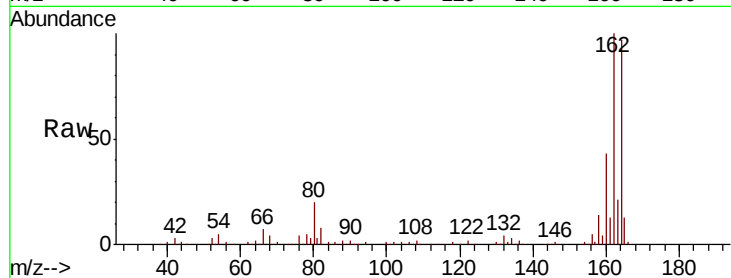




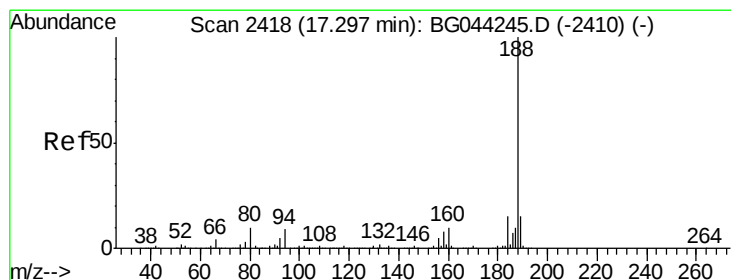
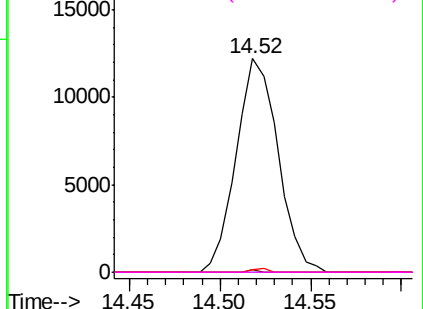
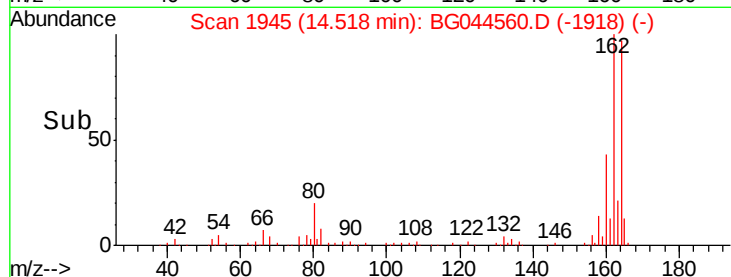
#57
 2,4-Dinitrotoluene
 Concen: 5.678 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.6	42.8#
89	1.3	50.7	76.1#
182	0.0	2.1	3.1#

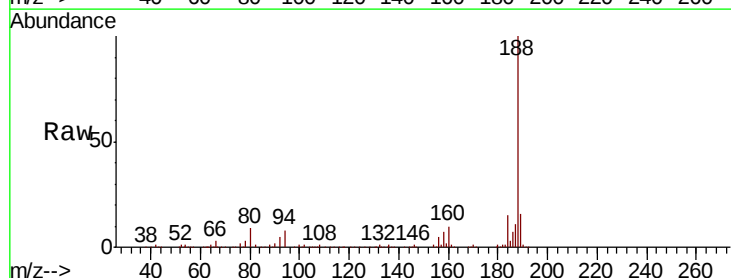


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

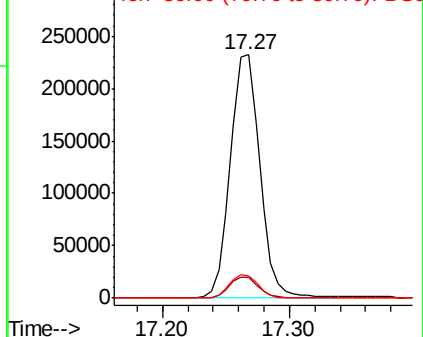
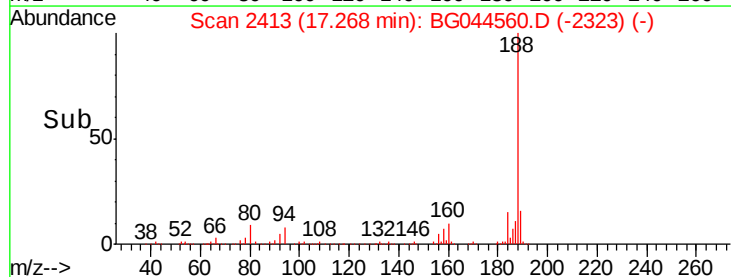


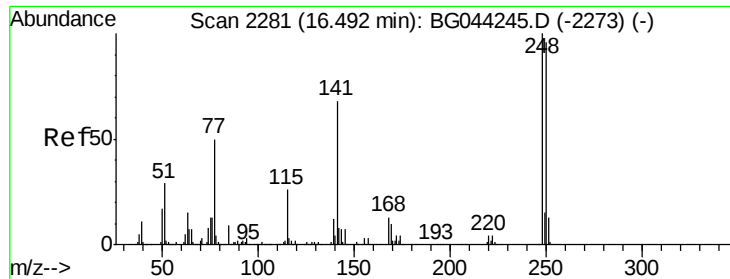
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.27 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BG044560.D
 Acq: 21 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.0
80	8.9	7.8	11.6



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





#67

4-Bromophenyl-phenylether

Concen: 5.261 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

Instrument :

BNA_G

ClientSampleId :

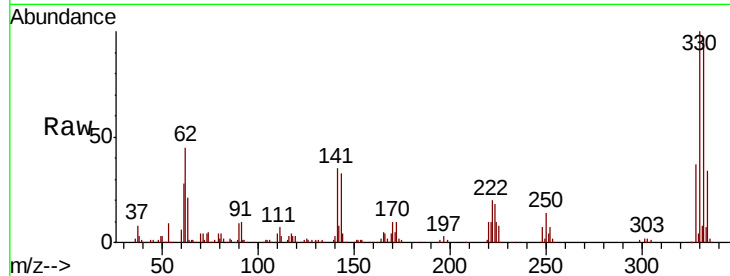
Tot Ion:248 Resp: 21479

Ion Ratio Lower Upper

248 100

250 193.3 76.8 115.2#

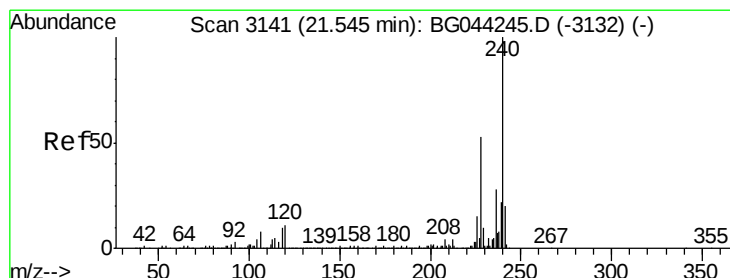
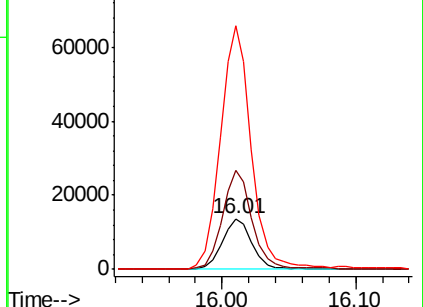
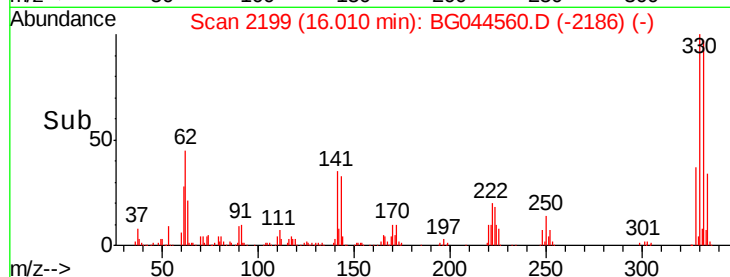
141 477.7 50.0 75.0#



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: 21.50 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

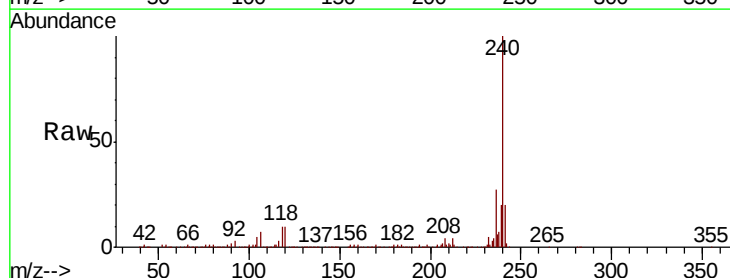
Tgt Ion:240 Resp: 373310

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

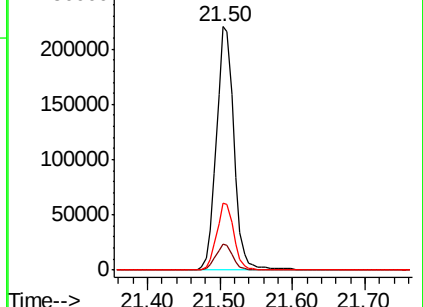
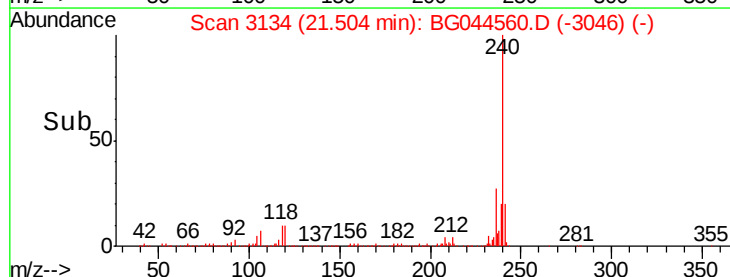
236 27.5 22.0 33.0

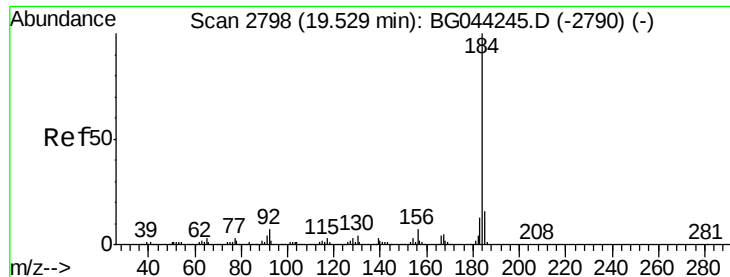


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.836 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.38 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

Instrument :

BNA_G

ClientSampleId :

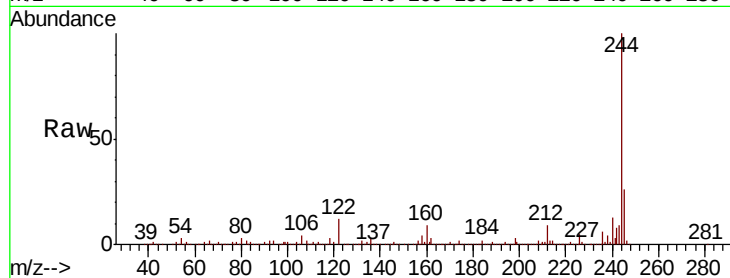
Tot Ion:184 Resp: 29364

Ion Ratio Lower Upper

184 100

185 14.7 13.0 19.4

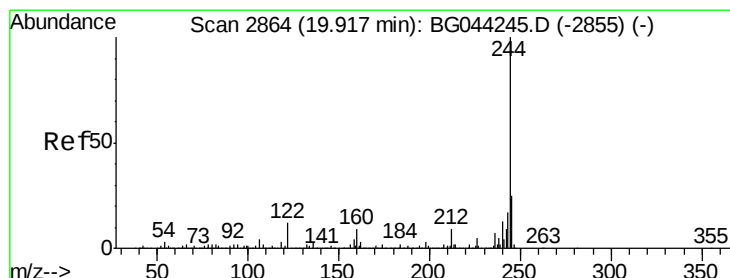
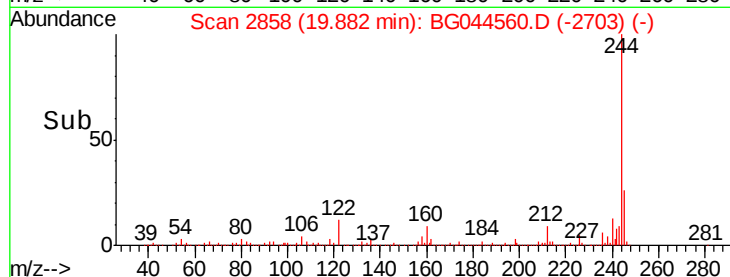
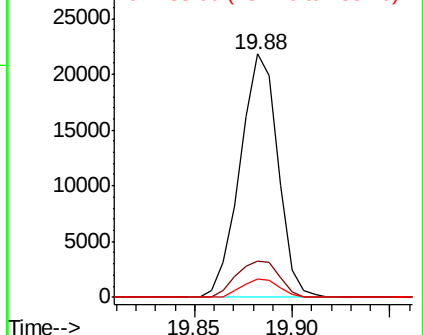
183 7.5 11.0 16.4#



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: 100.884 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG044560.D

Acq: 21 Feb 2020 22:12

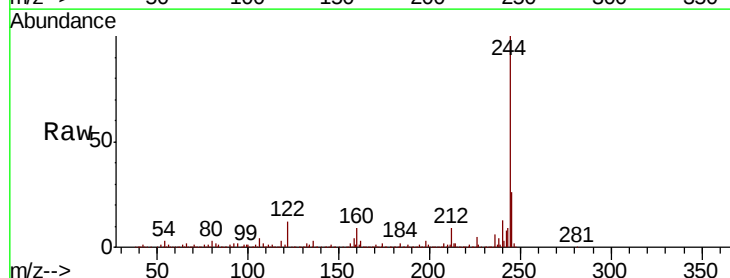
Tgt Ion:244 Resp: 1830981

Ion Ratio Lower Upper

244 100

212 9.0 7.6 11.4

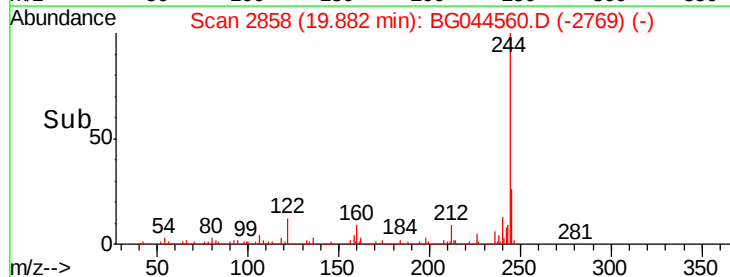
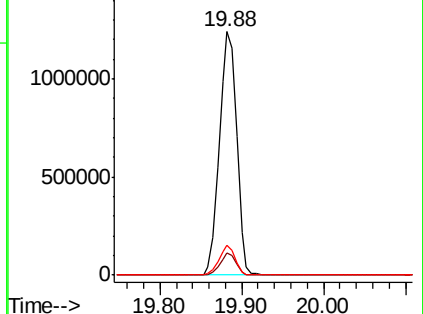
122 12.2 9.8 14.8

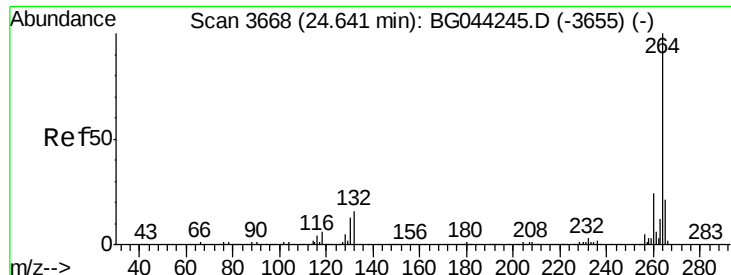


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.57 min Scan# 3656
Delta R.T. -0.01 min
Lab File: BG044560.D
Acq: 21 Feb 2020 22:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	22.1	17.6	26.4

