

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021720\
 Data File : BG044454.D
 Acq On : 17 Feb 2020 19:39
 Operator : CG/JU
 Sample : L1546-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 06:06:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

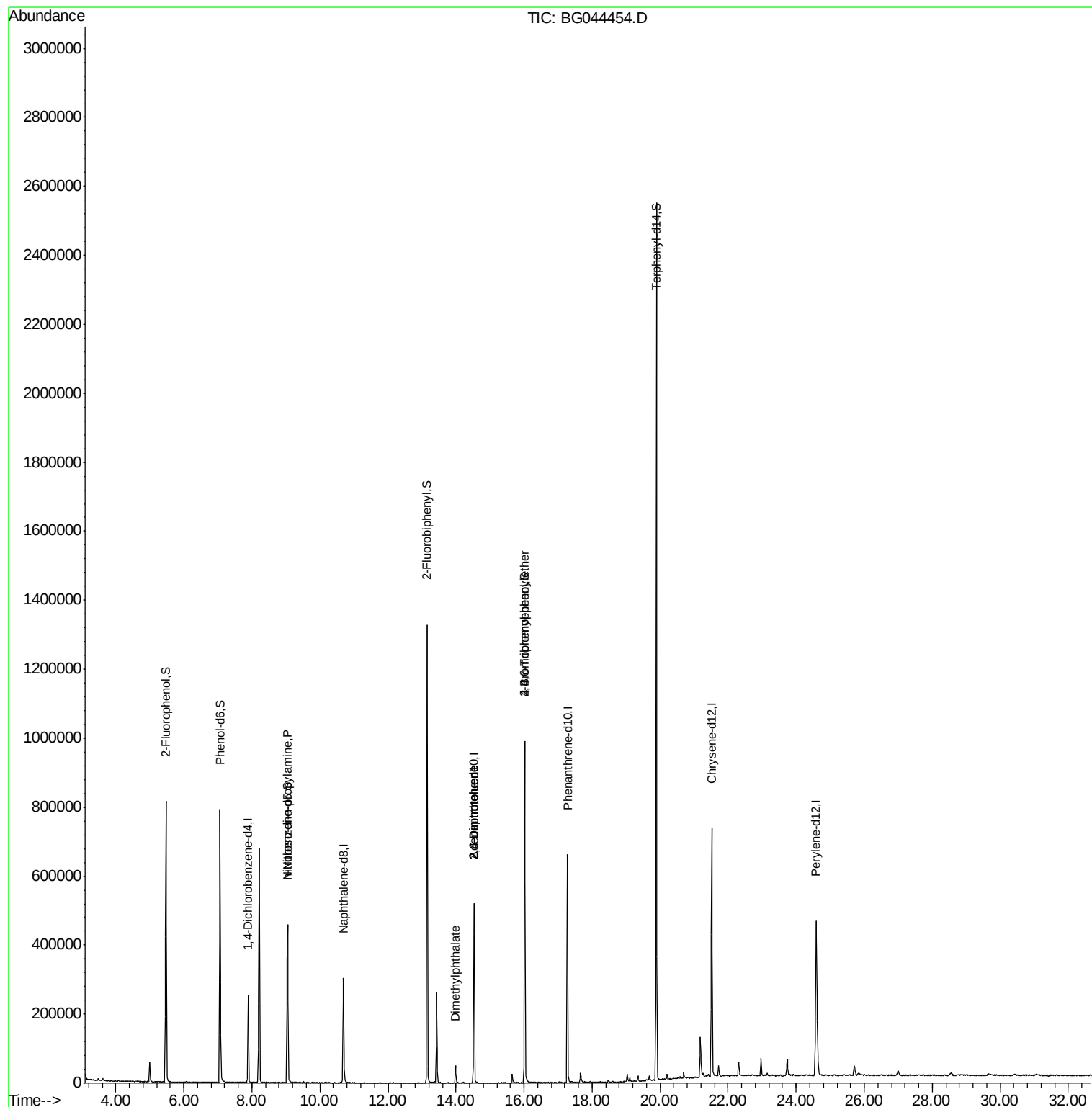
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	75486	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	295726	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	189832	20.00	ng	-0.01
64) Phenanthrene-d10	17.27	188	432157	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	437296	20.00	ng	-0.02
87) Perylene-d12	24.59	264	459635	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	408877	95.59	ng	0.00
7) Phenol-d6	7.06	99	529282	92.15	ng	-0.01
23) Nitrobenzene-d5	9.05	82	315104	60.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.02	330	208321	93.48	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	732230	64.59	ng	-0.01
79) Terphenyl-d14	19.89	244	1222811	57.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	40833	10.667	ng	# 73
50) Dimethylphthalate	13.98	163	41783	3.062	ng	# 99
51) 2,6-Dinitrotoluene	14.53	165	24677	8.111	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	24677	5.787	ng	# 27
67) 4-Bromophenyl-phenylether	16.02	248	14067	2.988	ng	# 1

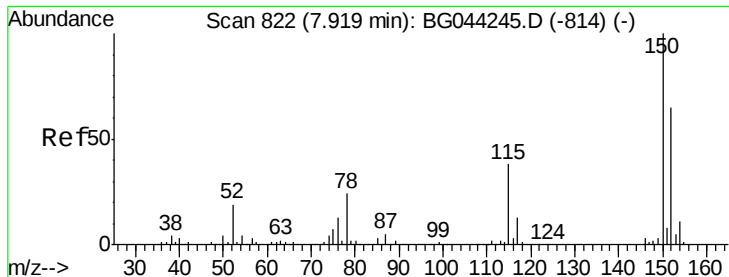
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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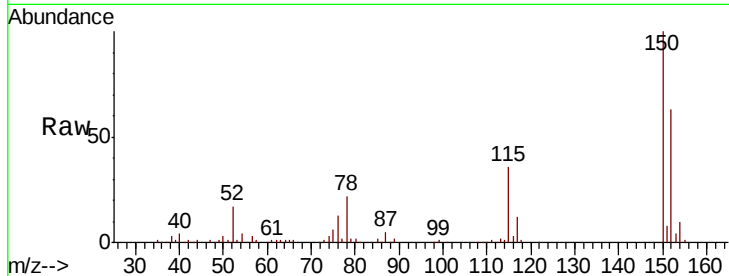


#1

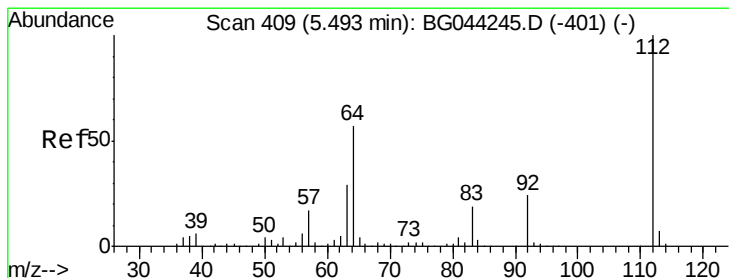
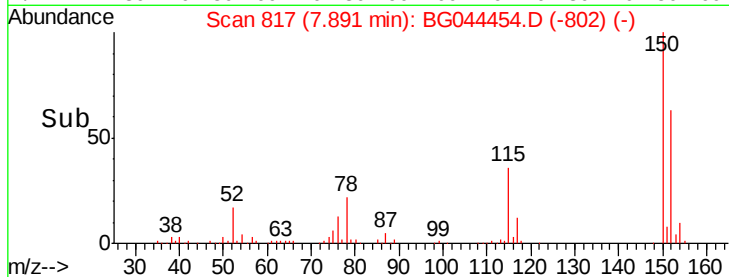
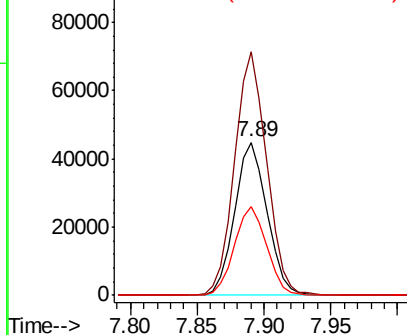
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 75486
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.6 183.8
 115 57.8 46.0 69.0



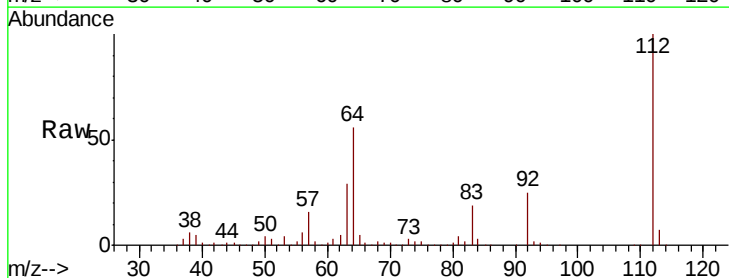
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



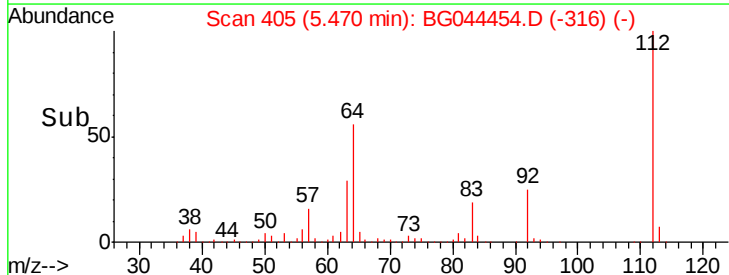
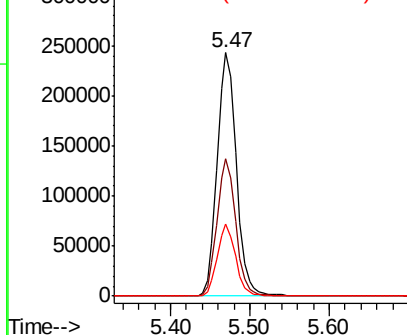
#5

2-Fluorophenol
 Concen: 95.594 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Tgt Ion:112 Resp: 408877
 Ion Ratio Lower Upper
 112 100
 64 56.2 45.4 68.2
 63 29.5 22.9 34.3



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: 92.151 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG044454.D

Acq: 17 Feb 2020 19:39

Instrument :

BNA_G

ClientSampleId :

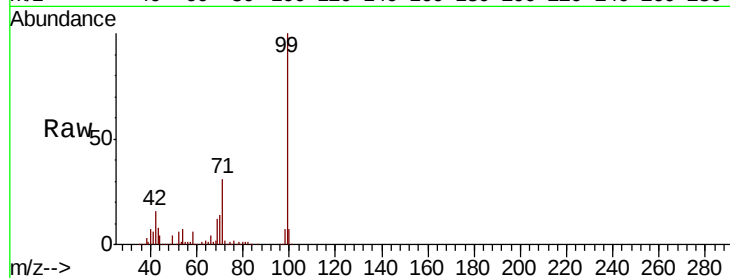
Tot Ion: 99 Resp: 529282

Ion Ratio Lower Upper

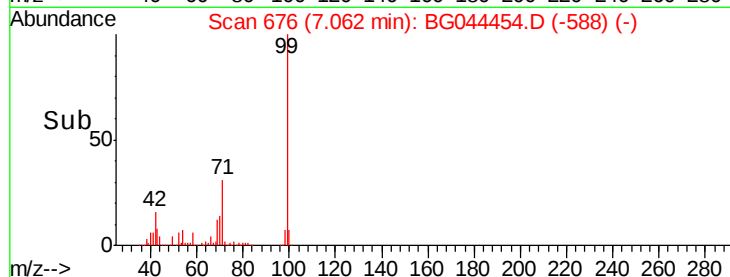
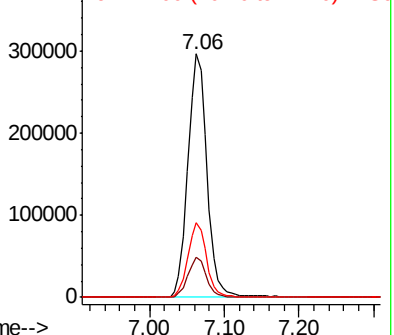
99 100

42 16.4 13.8 20.6

71 30.6 25.5 38.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.667 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044454.D

Acq: 17 Feb 2020 19:39

Tgt Ion: 70 Resp: 40833

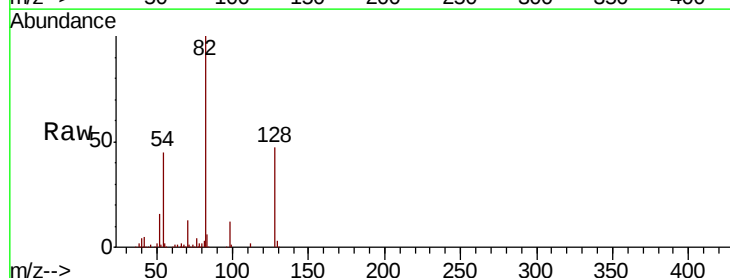
Ion Ratio Lower Upper

70 100

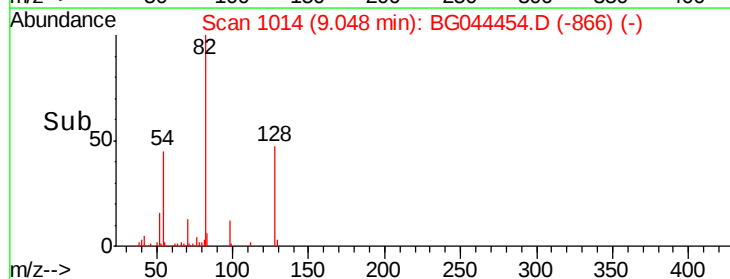
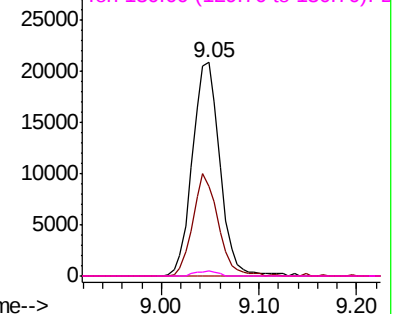
42 41.9 46.2 69.2#

101 0.0 8.4 12.6#

130 2.5 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.69 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG044454.D

Acq: 17 Feb 2020 19:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 295726

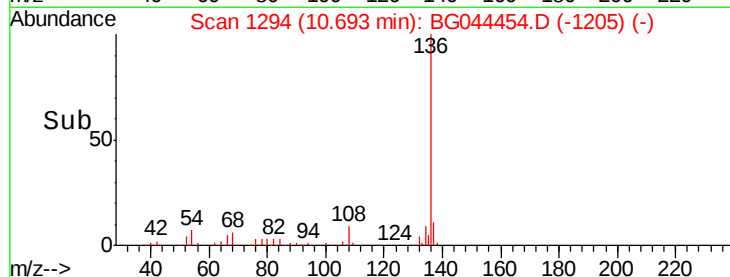
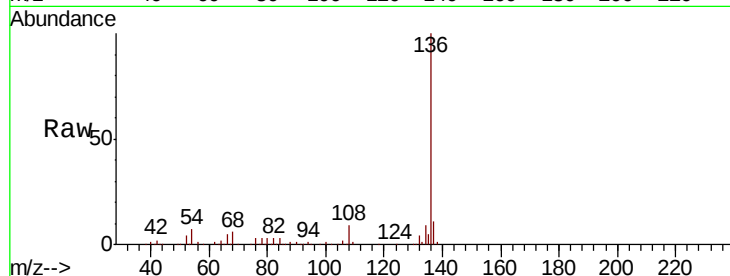
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.9 5.8 8.8

68 5.7 4.6 6.8

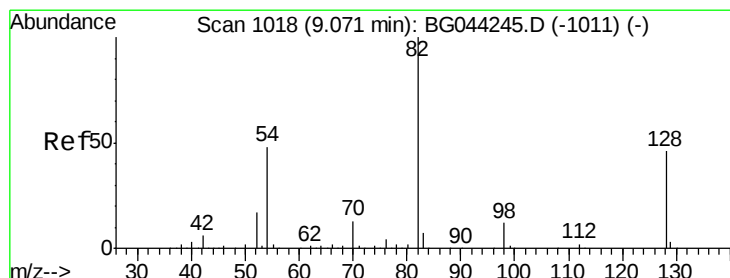
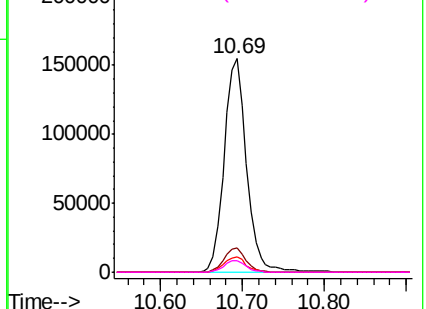


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 60.156 ng

RT: 9.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG044454.D

Acq: 17 Feb 2020 19:39

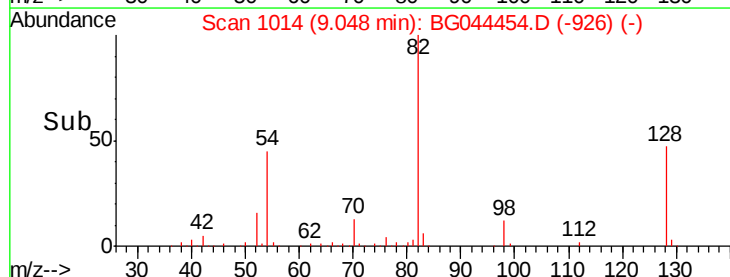
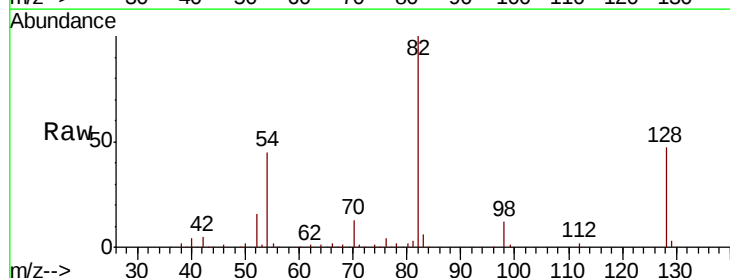
Tgt Ion: 82 Resp: 315104

Ion Ratio Lower Upper

82 100

128 47.0 36.5 54.7

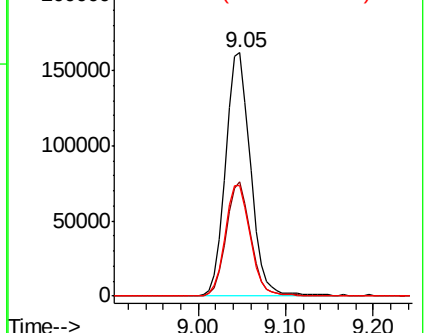
54 45.2 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

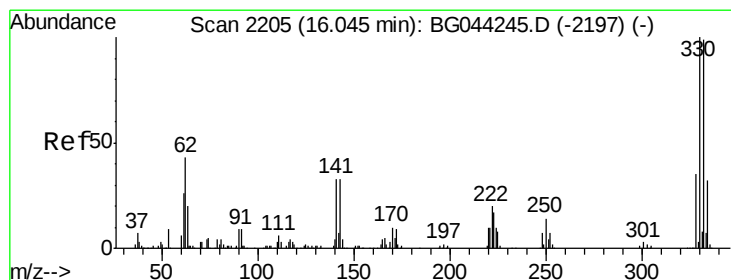
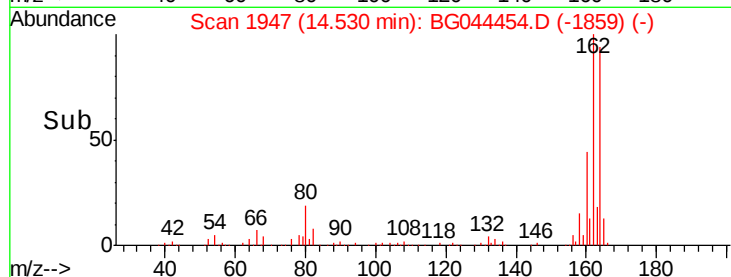
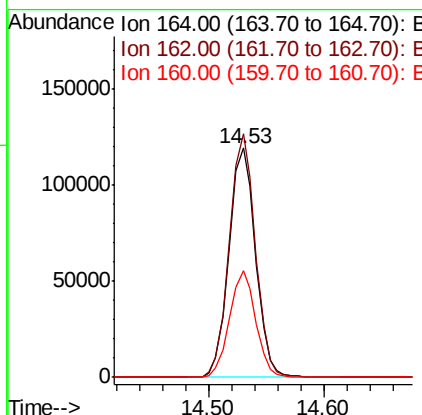
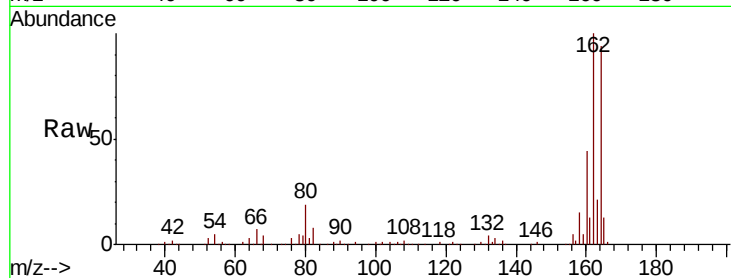




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

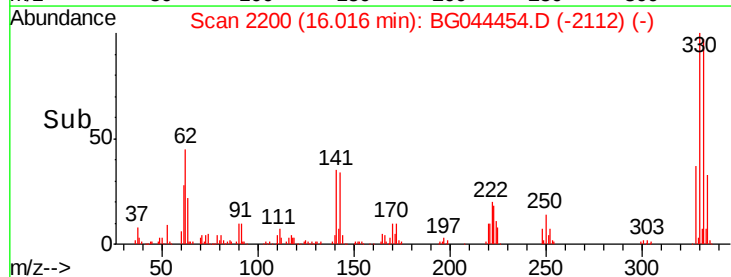
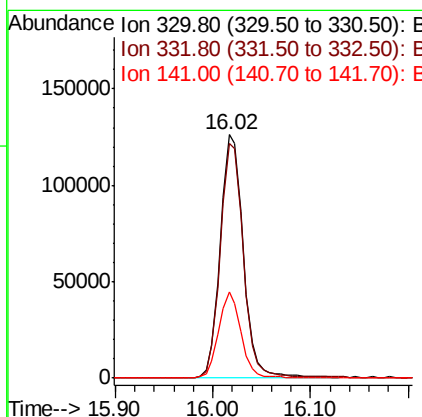
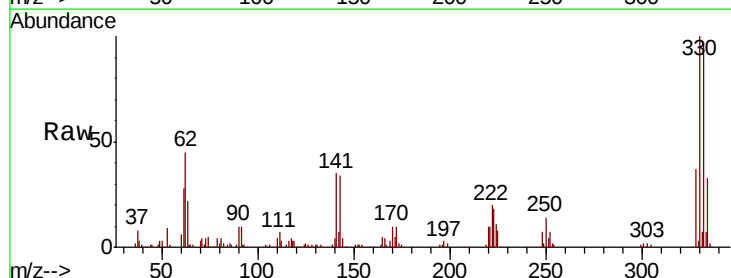
Instrument :
 BNA_G
 ClientSampleId :

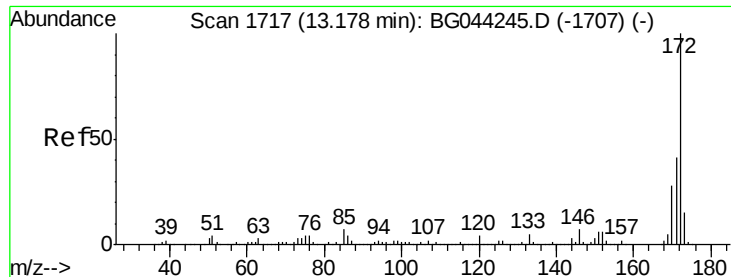
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.4	80.7	121.1
160	46.6	35.3	52.9



#42
 2,4,6-Tribromophenol
 Concen: 93.480 ng
 RT: 16.02 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	34.0	28.3	42.5

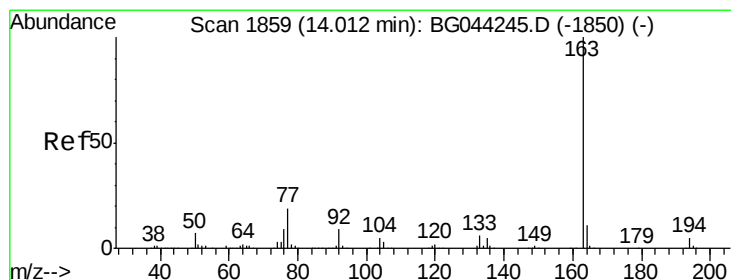
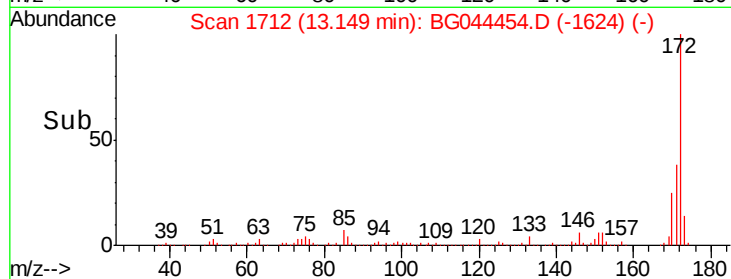
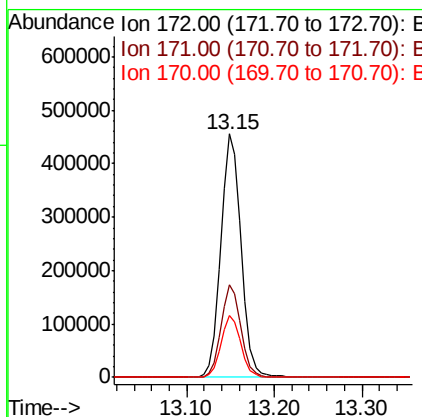
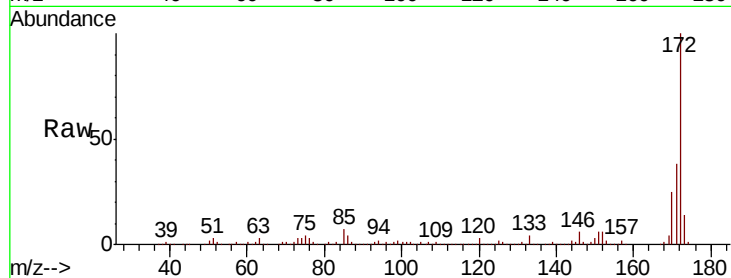




#45
 2-Fluorobiphenyl
 Concen: 64.592 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

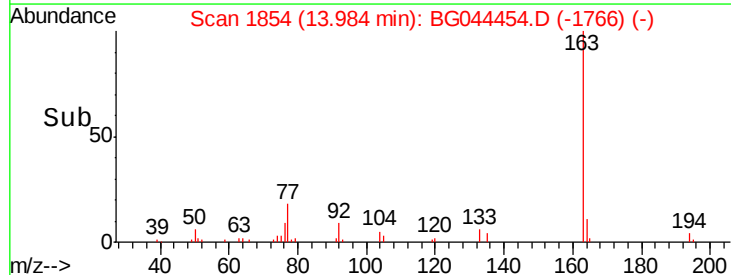
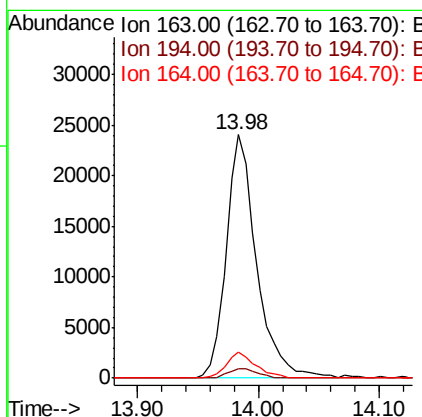
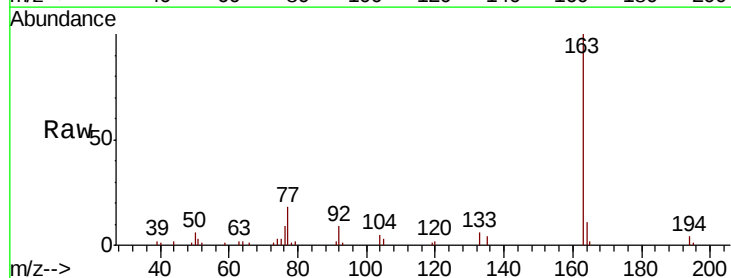
Instrument :
 BNA_G
 ClientSampleId :

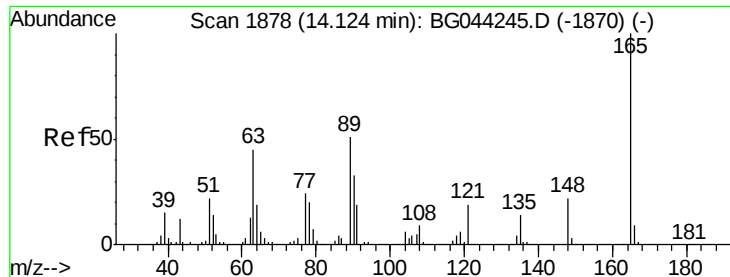
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	32.9	49.3
170	25.2	22.0	33.0



#50
 Dimethylphthalate
 Concen: 3.062 ng
 RT: 13.98 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.6	5.4
164	10.6	8.7	13.1

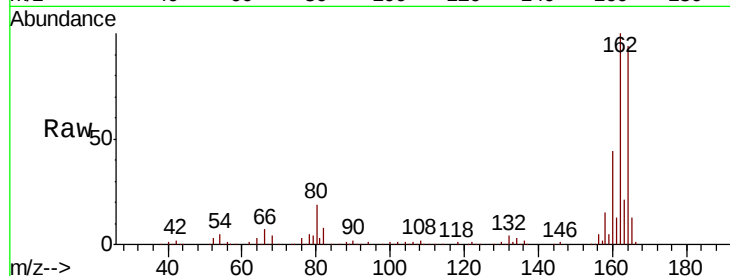




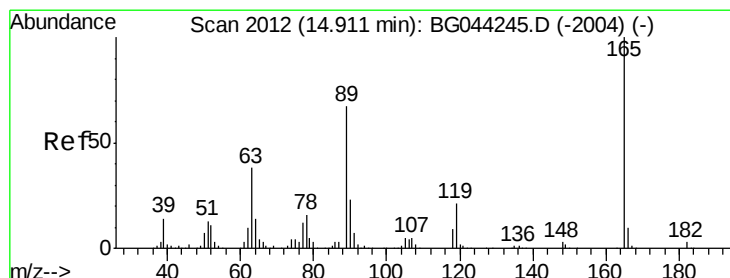
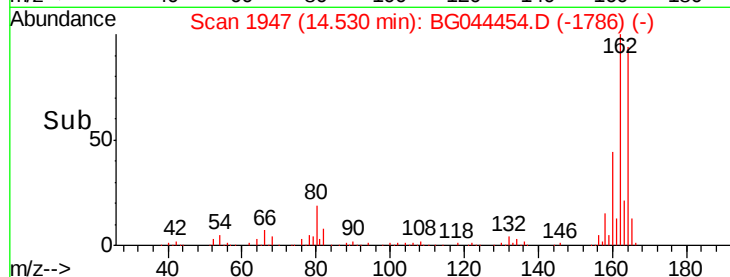
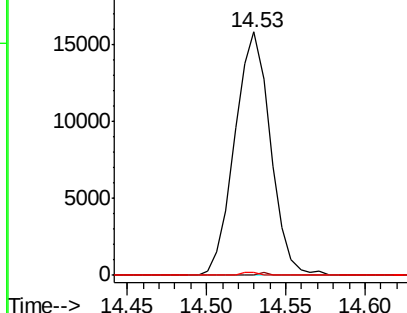
#51
 2,6-Dinitrotoluene
 Concen: 8.111 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.2	40.4	60.6#



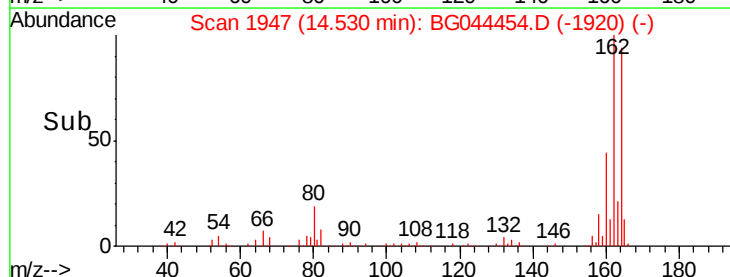
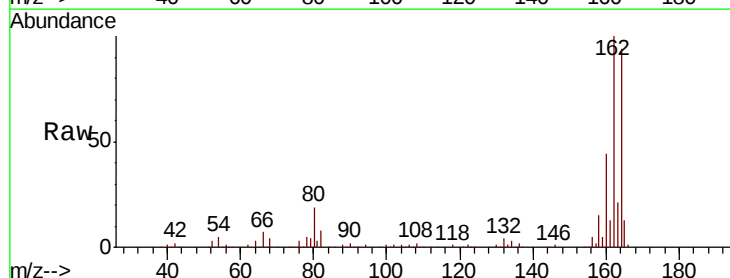
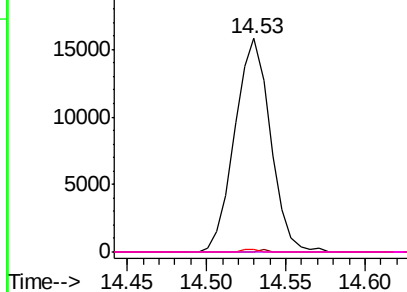
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

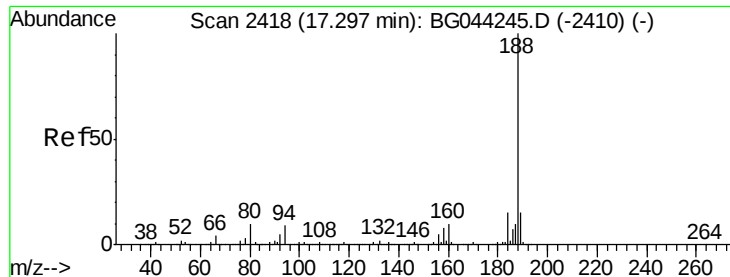


#57
 2,4-Dinitrotoluene
 Concen: 5.787 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.2	53.4	80.2#
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# 2414

Delta R.T. -0.01 min

Lab File: BG044454.D

Acq: 17 Feb 2020 19:39

Instrument :

BNA_G

ClientSampleId :

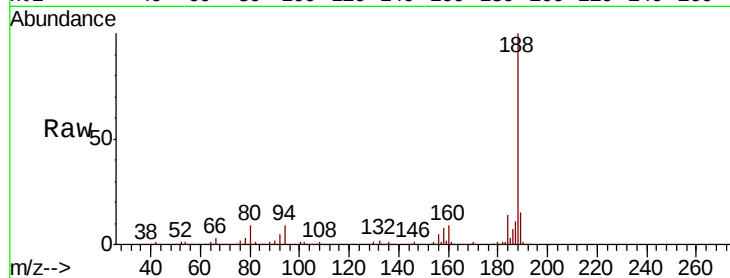
Tot Ion:188 Resp: 432157

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

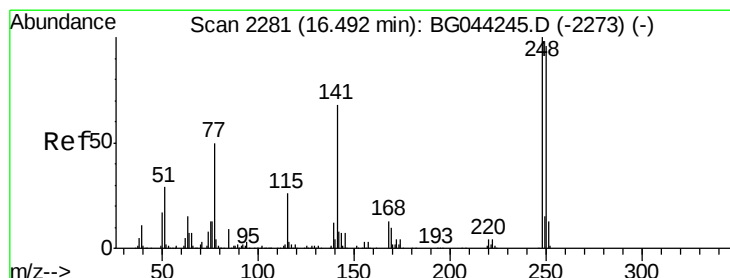
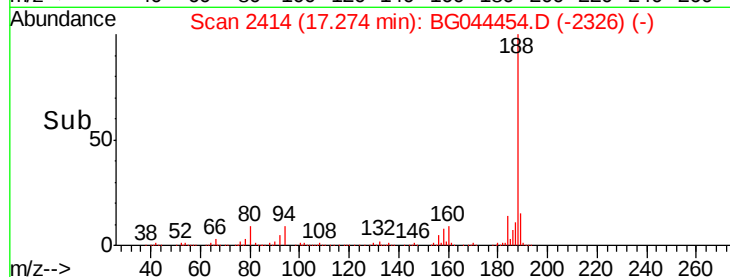
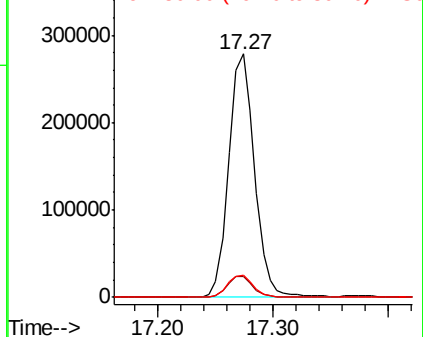
80 9.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.988 ng

RT: 16.02 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG044454.D

Acq: 17 Feb 2020 19:39

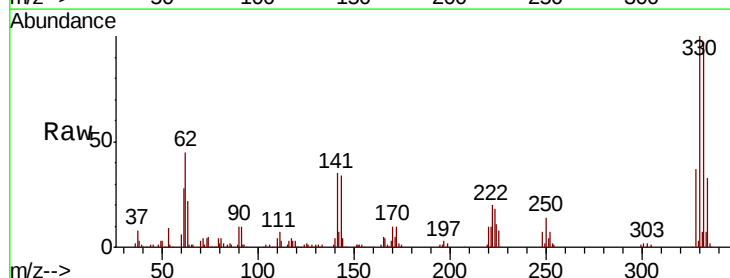
Tgt Ion:248 Resp: 14067

Ion Ratio Lower Upper

248 100

250 193.6 76.6 114.8#

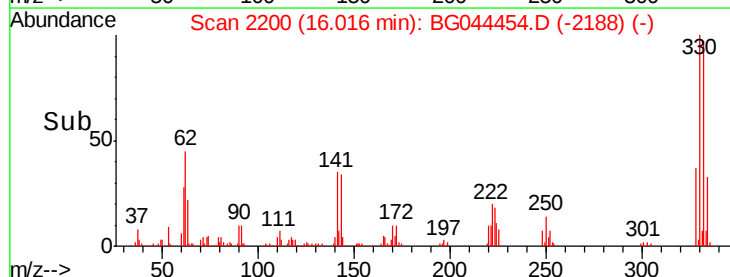
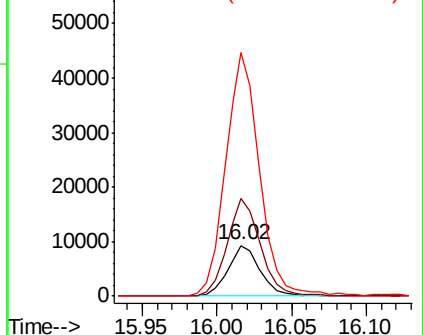
141 483.2 54.7 82.1#



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

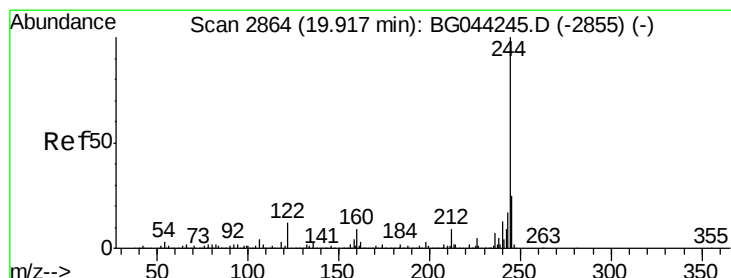
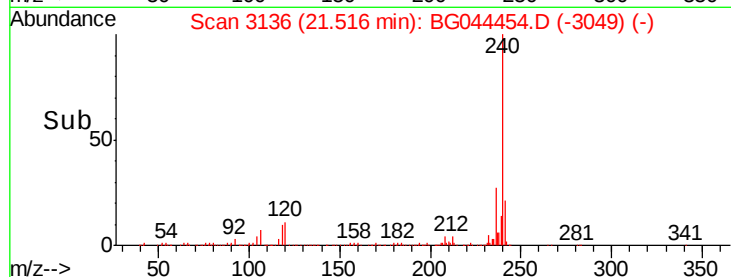
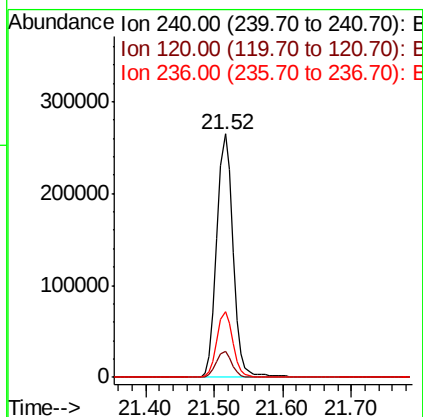
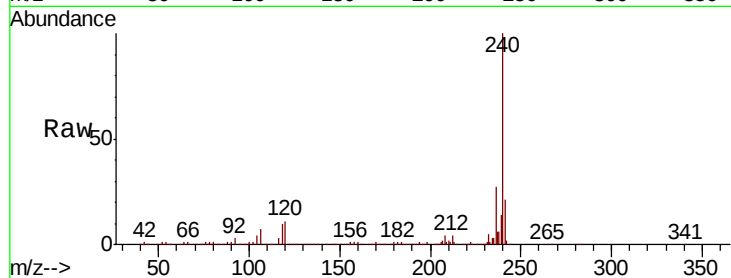




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.52 min Scan# 3136
 Delta R.T. -0.02 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

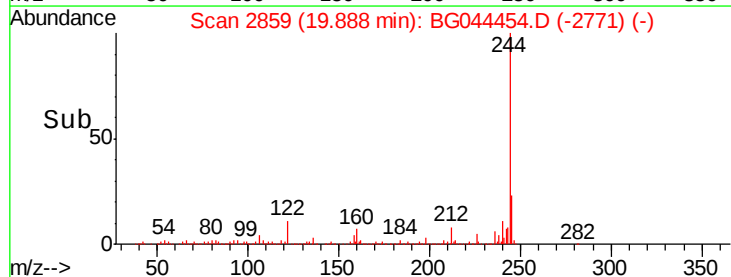
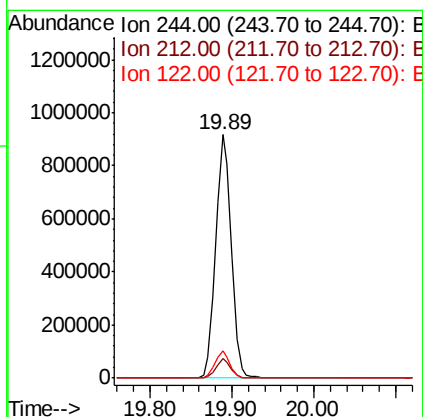
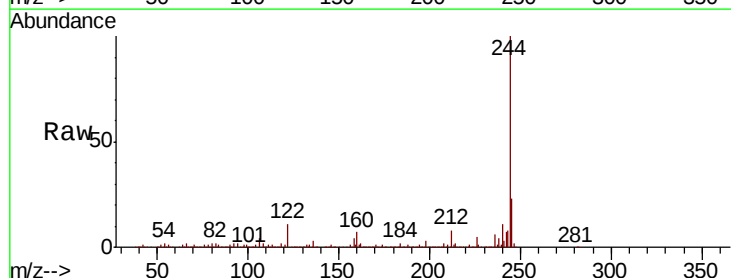
Instrument :
 BNA_G
 ClientSampleId :

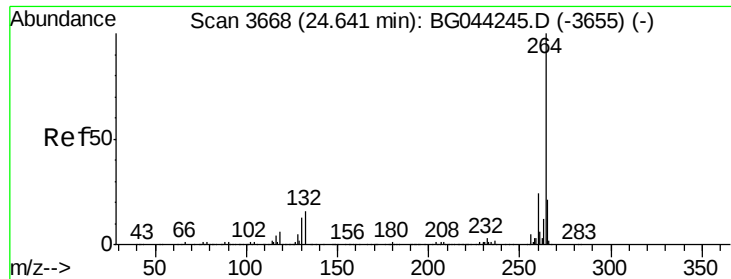
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.4	12.6
236	26.8	22.1	33.1



#79
 Terphenyl-d14
 Concen: 57.516 ng
 RT: 19.89 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BG044454.D
 Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	7.4	11.2
122	11.0	9.8	14.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.59 min Scan# 3659
Delta R.T. -0.03 min
Lab File: BG044454.D
Acq: 17 Feb 2020 19:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	21.5	16.7	25.1

