

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044382.D
 Acq On : 11 Feb 2020 9:46
 Operator : CG/JU
 Sample : L1470-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 11 13:05:16 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

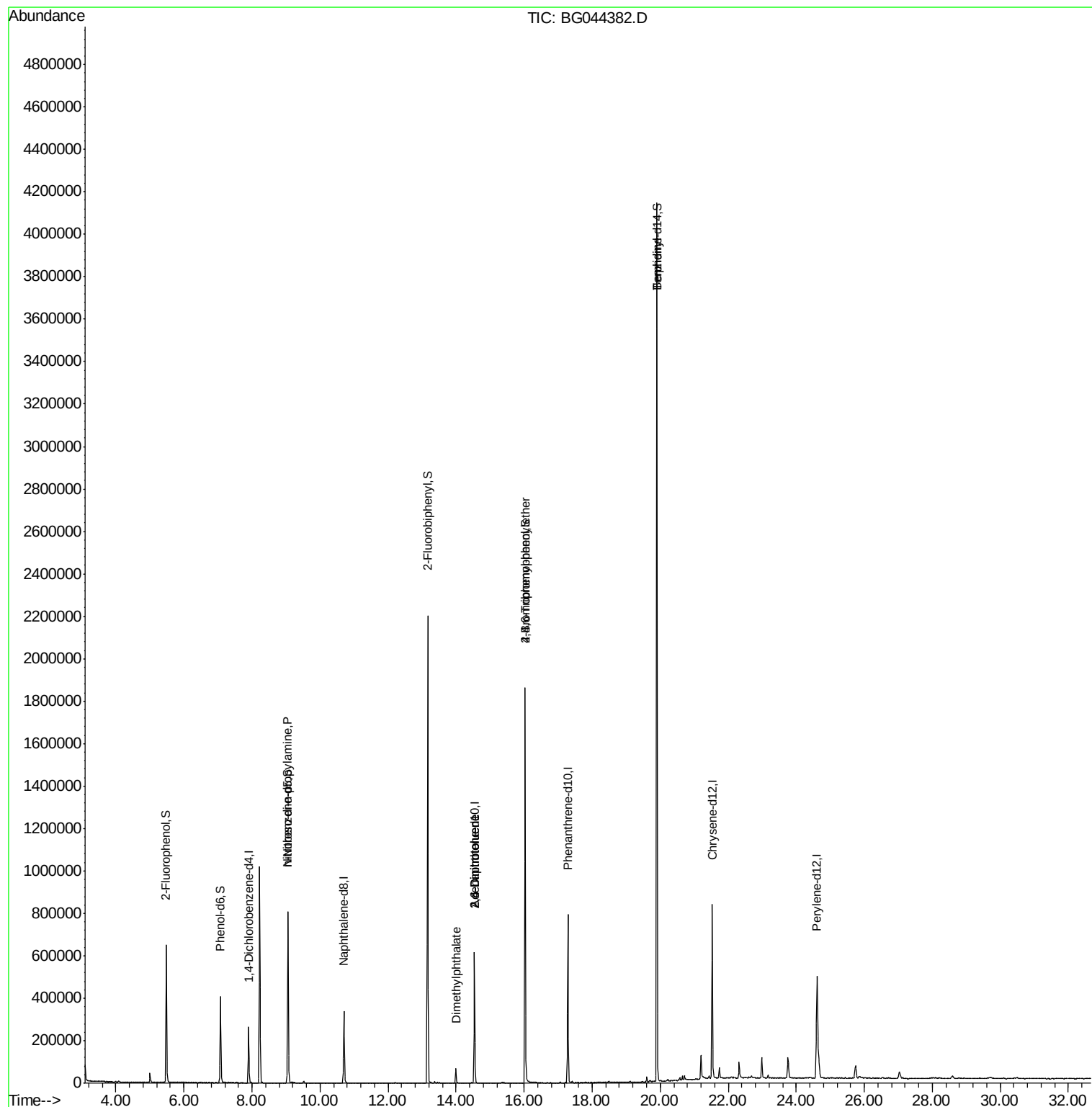
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	79933	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	323245	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	214492	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	501346	20.00	ng	0.00
76) Chrysene-d12	21.53	240	489449	20.00	ng	0.00
87) Perylene-d12	24.62	264	502805	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	324249	71.59	ng	0.00
7) Phenol-d6	7.07	99	272837	44.86	ng	0.00
23) Nitrobenzene-d5	9.06	82	517421	90.37	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	368759	146.45	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1198079	93.53	ng	0.00
79) Terphenyl-d14	19.90	244	1899497	79.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	66965	16.521	ng	# 76
50) Dimethylphthalate	13.99	163	55411	3.594	ng	# 97
51) 2,6-Dinitrotoluene	14.54	165	28019	8.150	ng	# 29
57) 2,4-Dinitrotoluene	14.54	165	28019	5.815	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	25696	4.704	ng	# 1
77) Benzidine	19.90	184	32598	2.401	ng	# 93

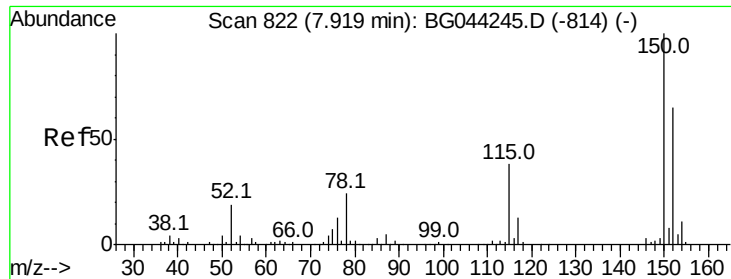
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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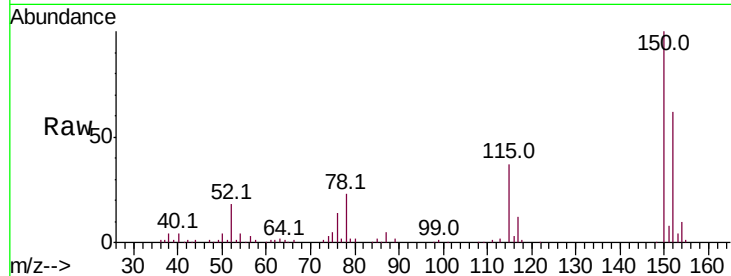


#1

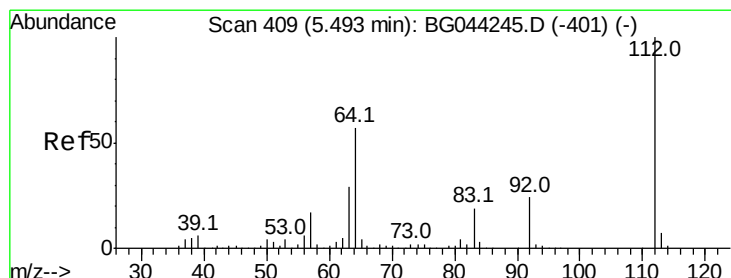
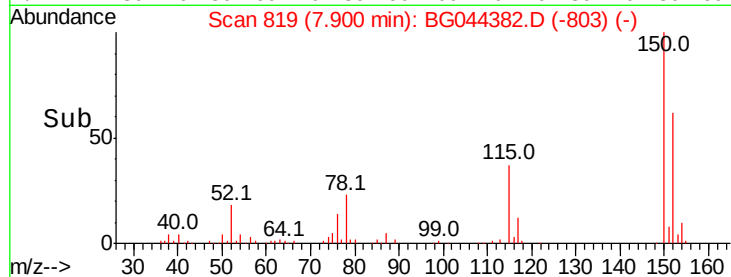
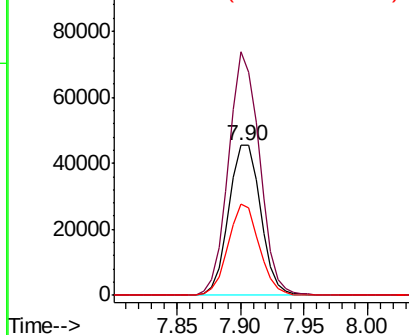
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BG044382.D
 Acq: 11 Feb 2020 9:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	122.6	183.8
115	60.5	46.0	69.0



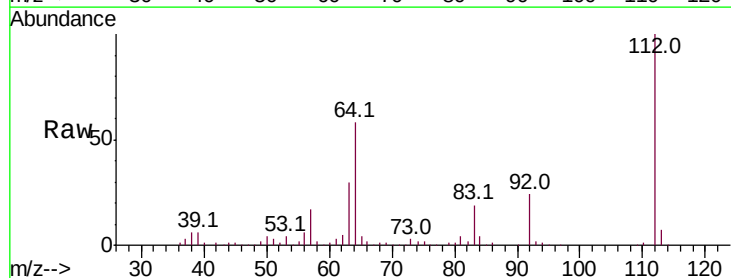
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



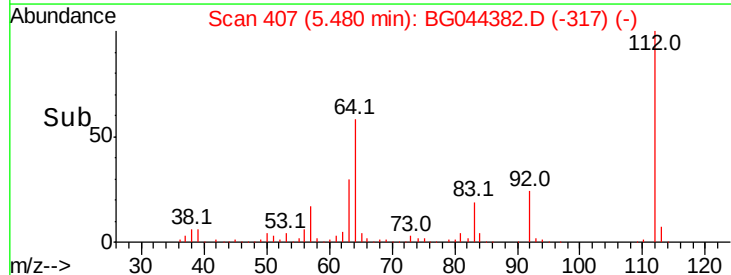
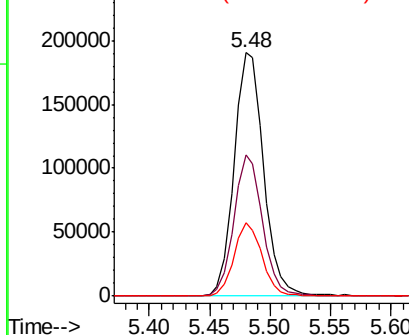
#5

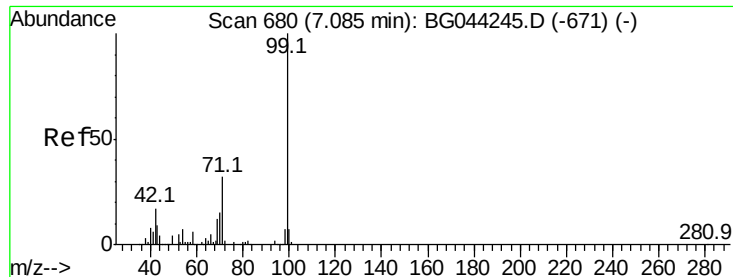
2-Fluorophenol
 Concen: 71.591 ng
 RT: 5.48 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BG044382.D
 Acq: 11 Feb 2020 9:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.4	68.2
63	29.9	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: 44.860 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

Instrument :

BNA_G

ClientSampleId :

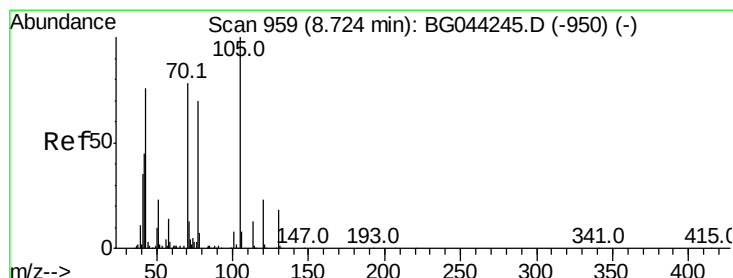
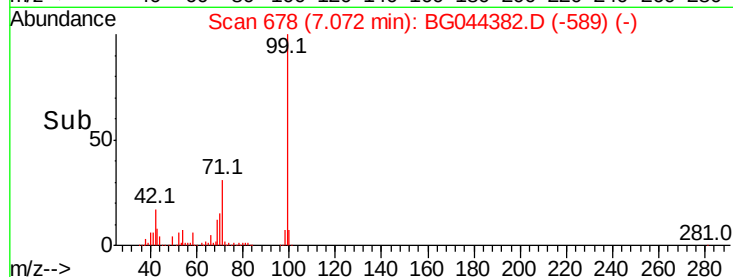
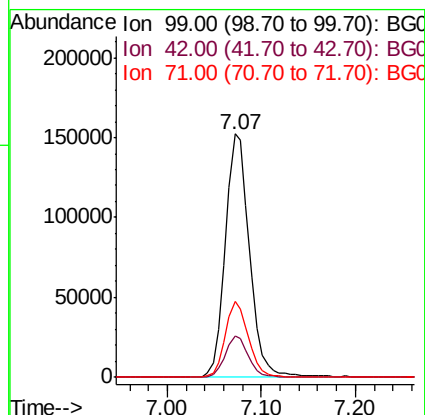
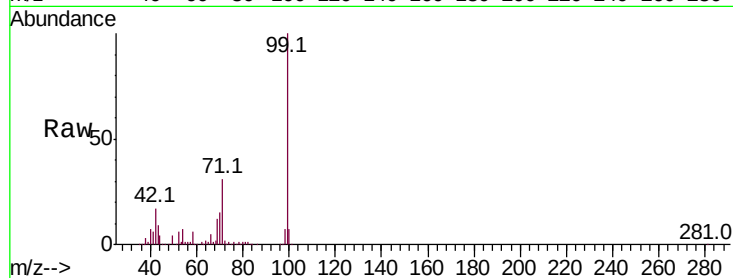
Tot Ion: 99 Resp: 272837

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.6

71 31.0 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.521 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

Tgt Ion: 70 Resp: 66965

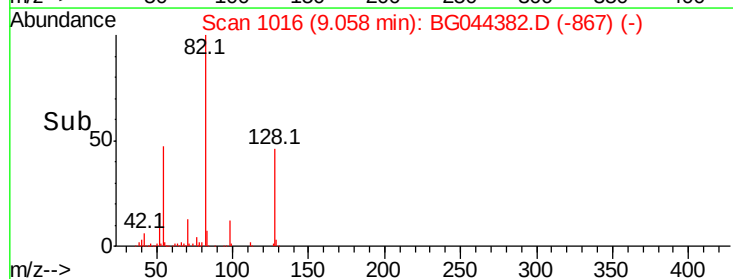
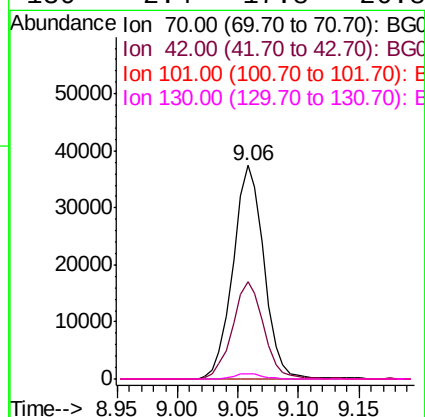
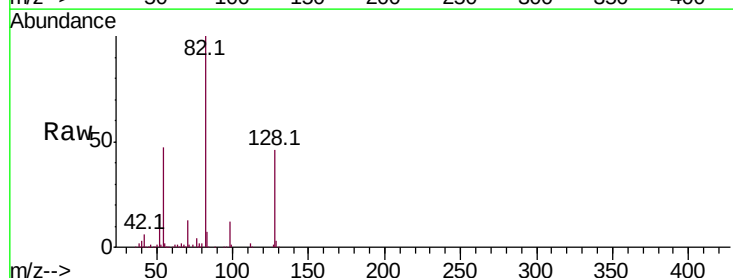
Ion Ratio Lower Upper

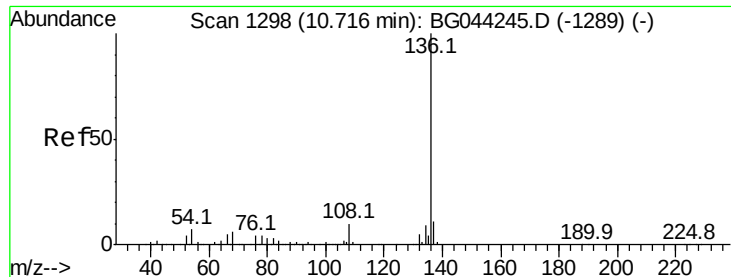
70 100

42 45.5 46.2 69.2#

101 0.0 8.4 12.6#

130 2.4 17.8 26.8#

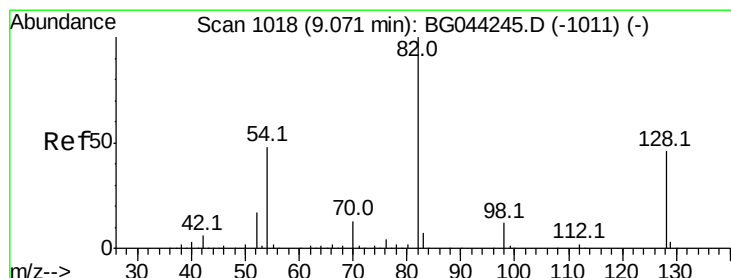
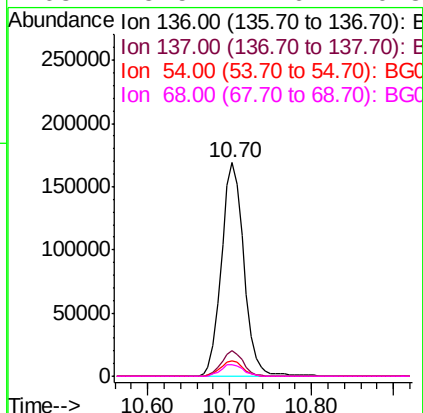
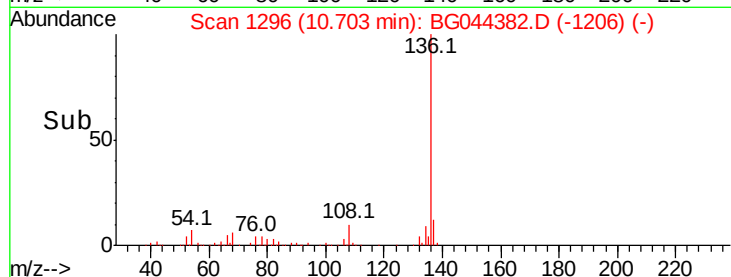
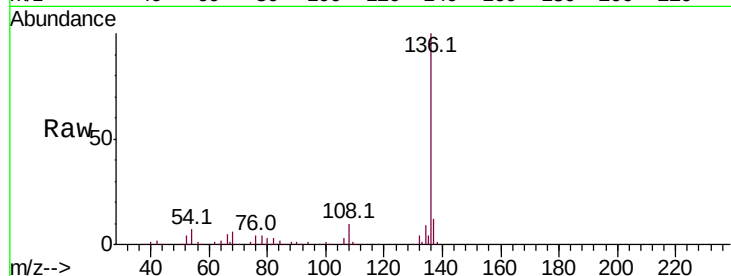




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044382.D
Acq: 11 Feb 2020 9:46

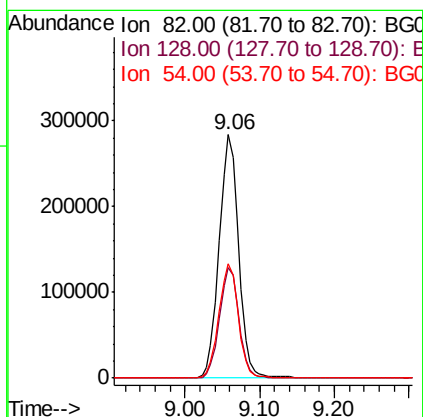
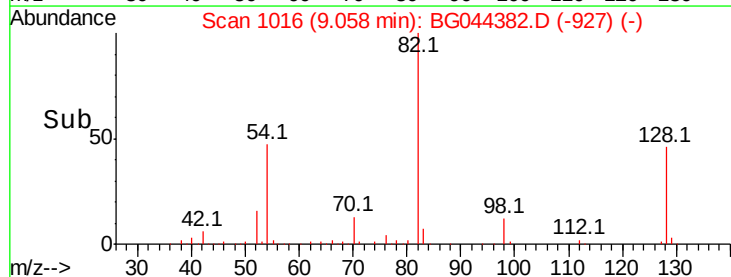
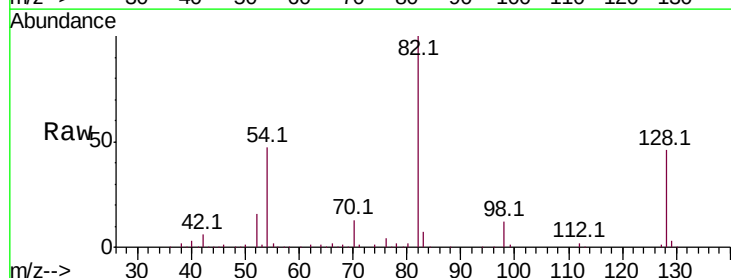
Instrument :
BNA_G
ClientSampleId :

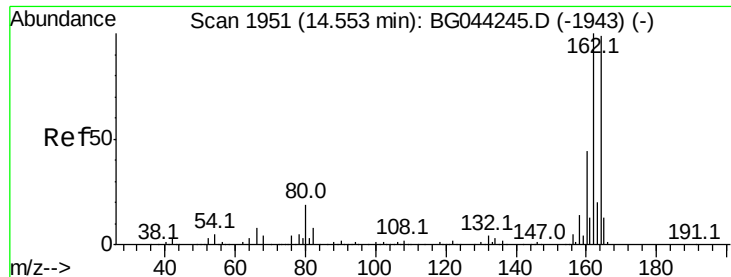
Tot Ion:136	Resp:	323245
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.8	13.2
54 7.5	5.8	8.8
68 5.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 90.370 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044382.D
Acq: 11 Feb 2020 9:46

Tgt Ion: 82	Resp: 517421
Ion Ratio	Lower Upper
82 100	
128 45.6	36.5 54.7
54 46.8	38.6 58.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

Instrument :

BNA_G

ClientSampleId :

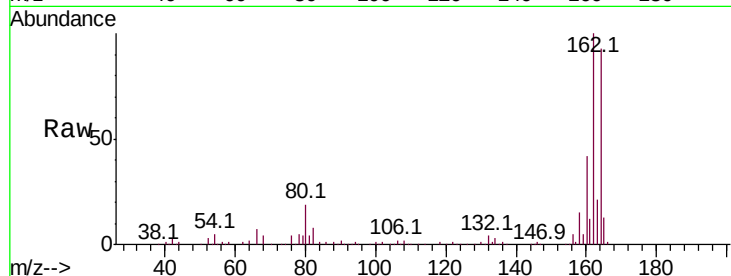
Tot Ion:164 Resp: 214492

Ion Ratio Lower Upper

164 100

162 107.3 80.7 121.1

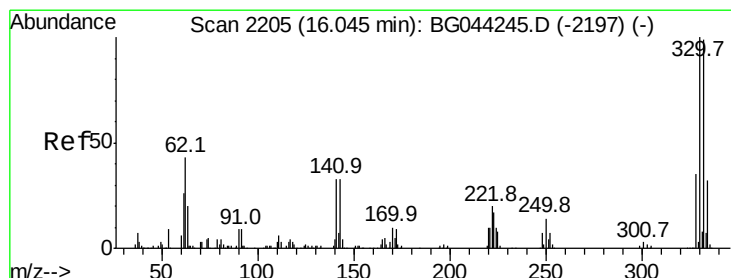
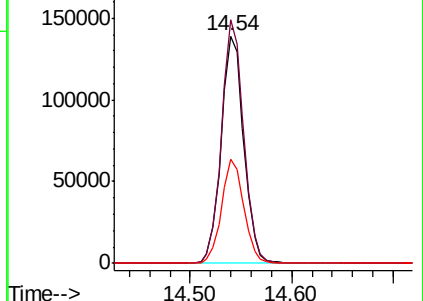
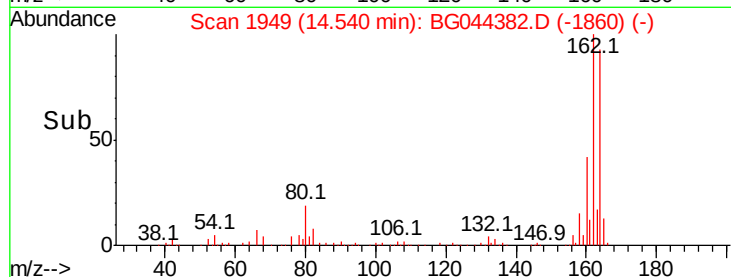
160 45.6 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 146.448 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

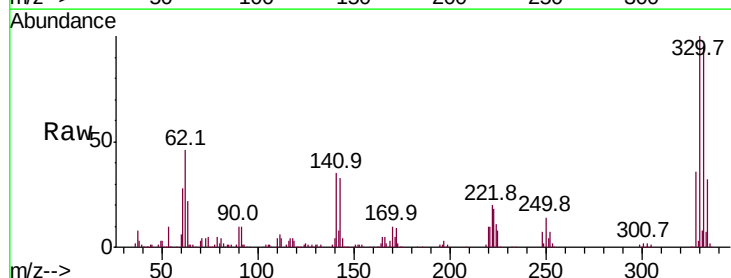
Tgt Ion:330 Resp: 368759

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

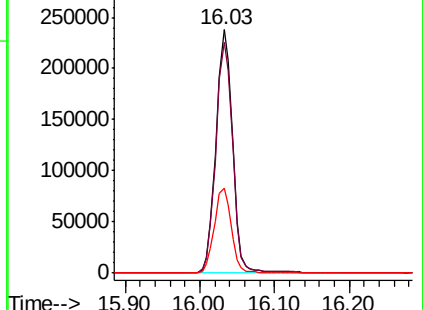
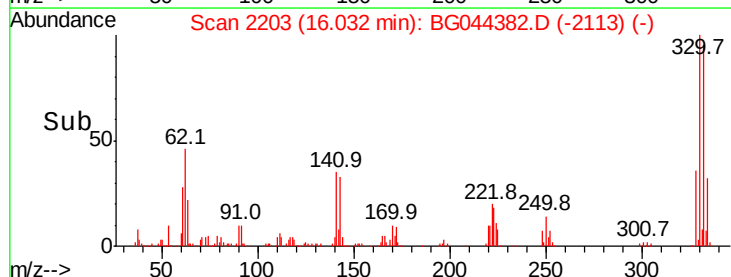
141 35.6 28.3 42.5

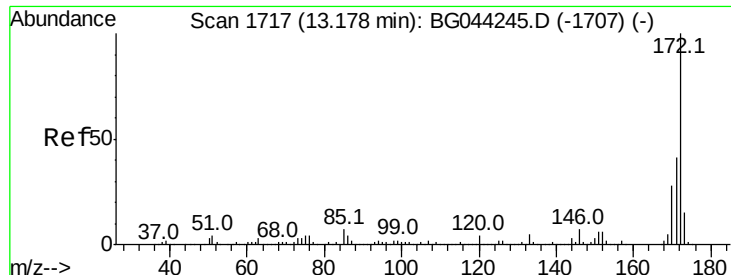


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



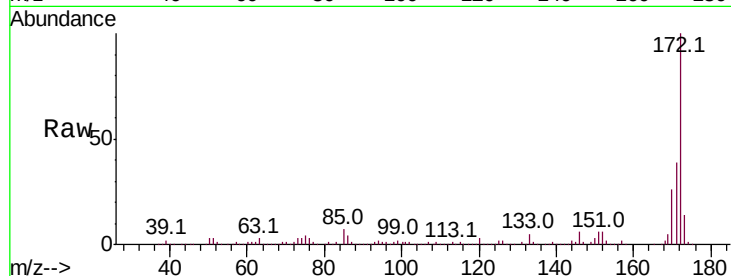


#45
 2-Fluorobiphenyl
 Concen: 93.535 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG044382.D
 Acq: 11 Feb 2020 9:46

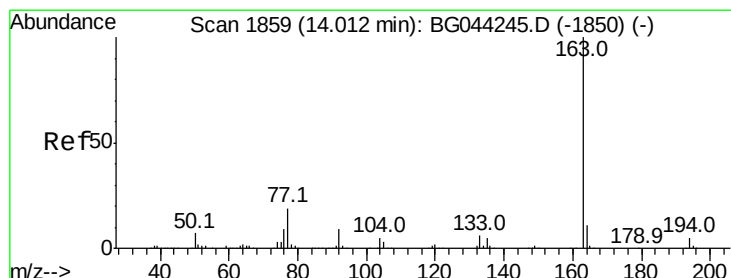
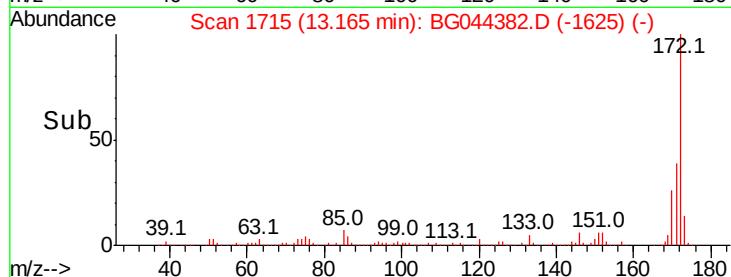
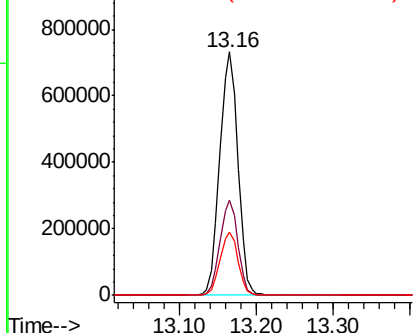
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1198079

Ion	Ratio	Lower	Upper
172	100		
171	39.2	32.9	49.3
170	25.7	22.0	33.0



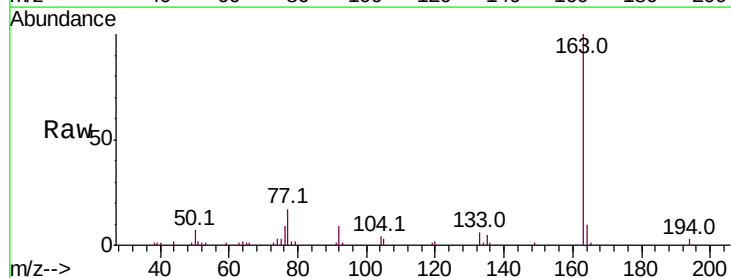
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



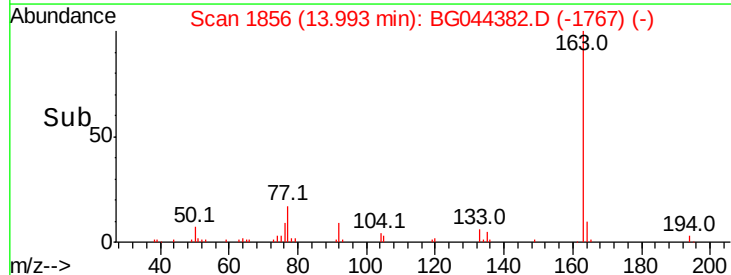
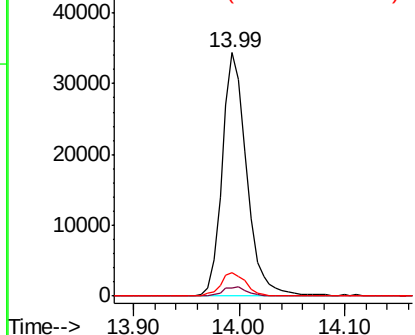
#50
 Dimethylphthalate
 Concen: 3.594 ng
 RT: 13.99 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: BG044382.D
 Acq: 11 Feb 2020 9:46

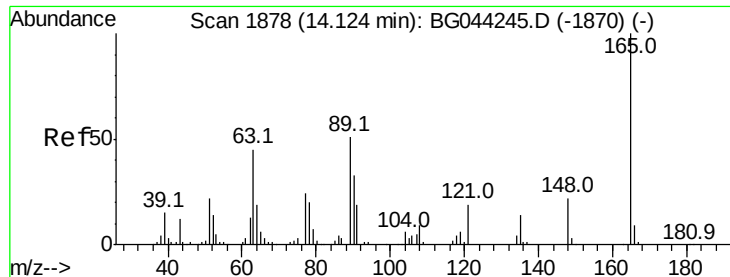
Tgt Ion:163 Resp: 55411

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.6	5.4#
164	9.8	8.7	13.1



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

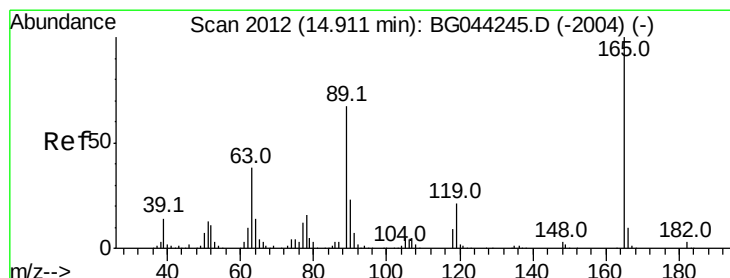
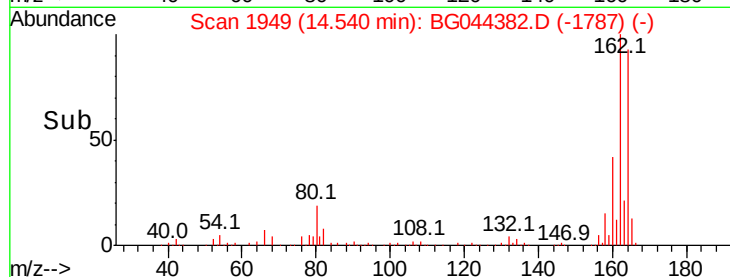
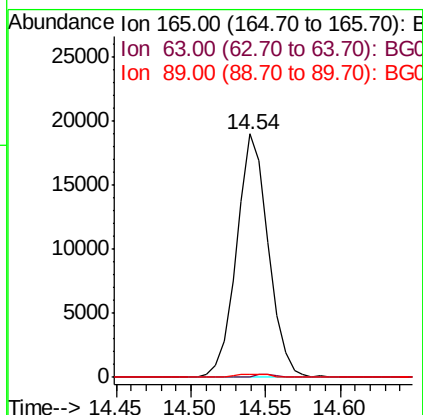
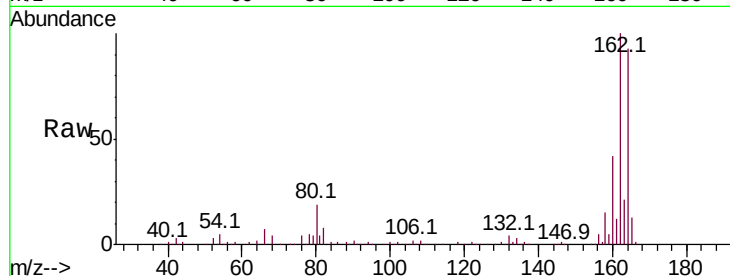




#51
 2,6-Dinitrotoluene
 Concen: 8.150 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. 0.42 min
 Lab File: BG044382.D
 Acq: 11 Feb 2020 9:46

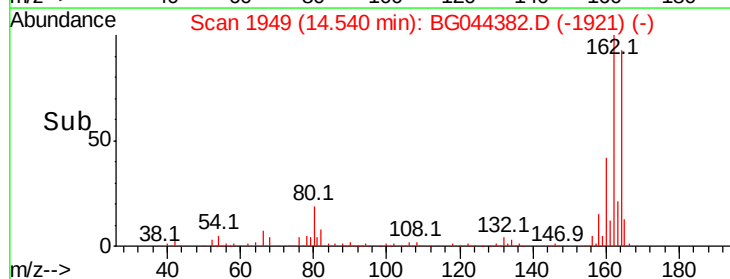
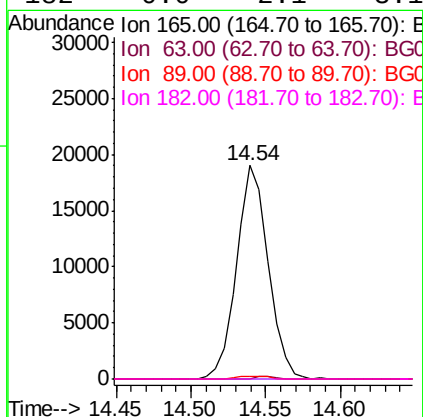
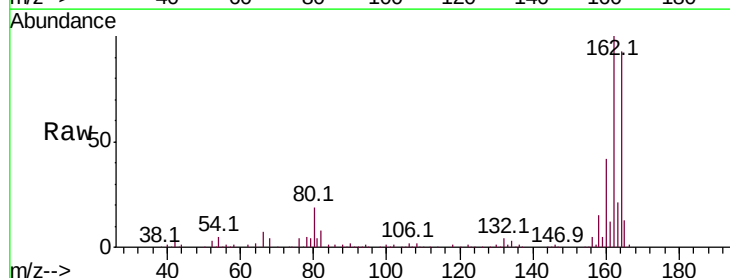
Instrument :
 BNA_G
 ClientSampleId :

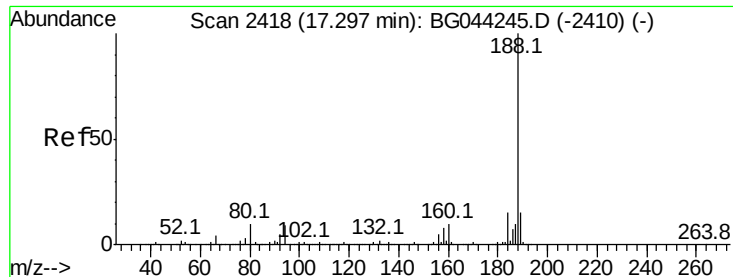
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.3	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.815 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044382.D
 Acq: 11 Feb 2020 9:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.3	53.4	80.2#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.28 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

Instrument :

BNA_G

ClientSampleId :

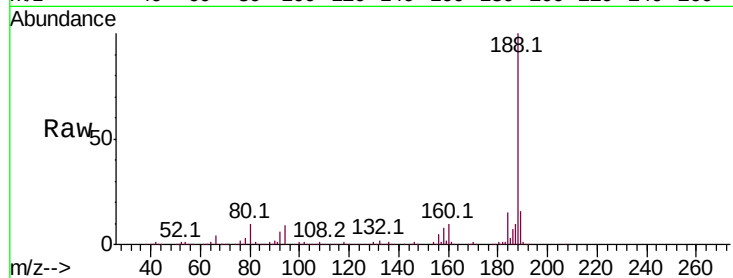
Tot Ion:188 Resp: 501346

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

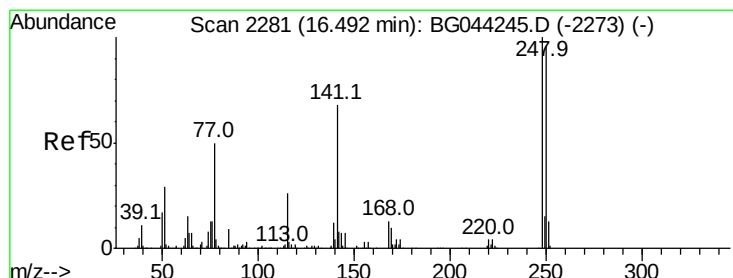
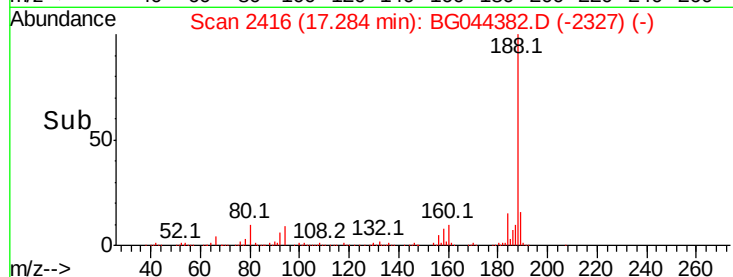
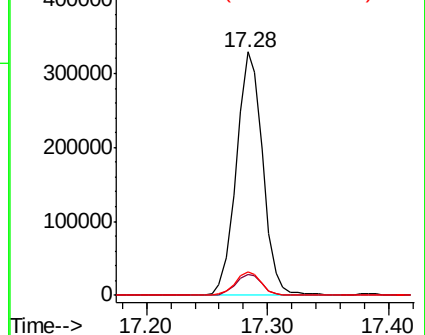
80 9.5 7.7 11.5



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: 4.704 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.45 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

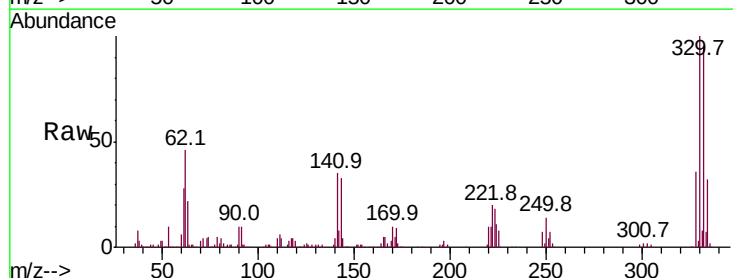
Tgt Ion:248 Resp: 25696

Ion Ratio Lower Upper

248 100

250 190.8 76.6 114.8#

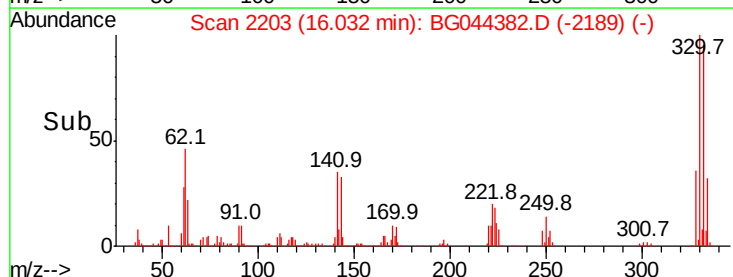
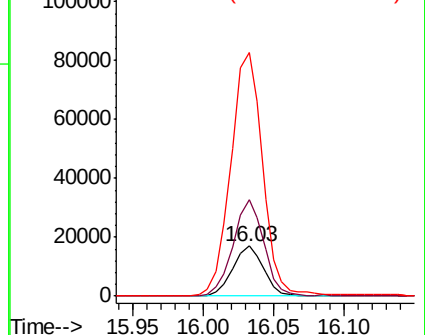
141 485.0 54.7 82.1#

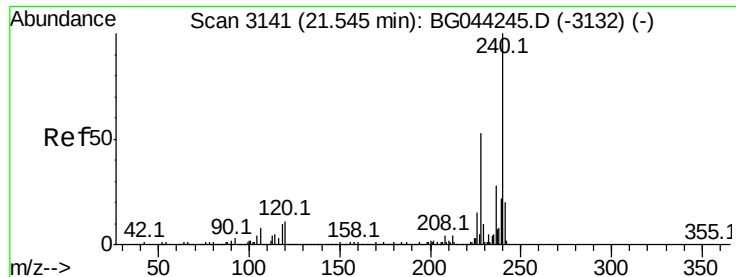


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

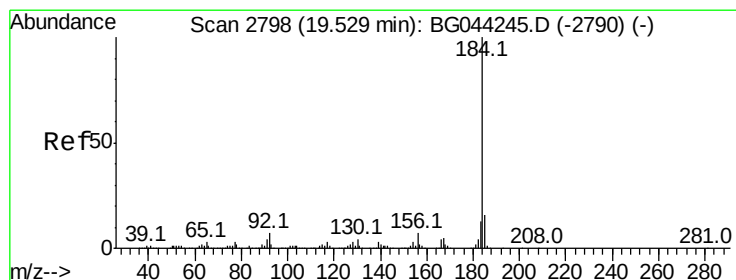
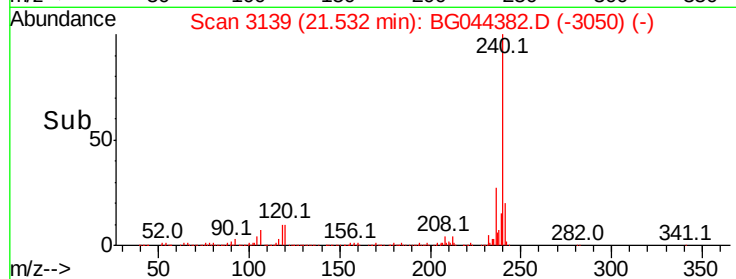
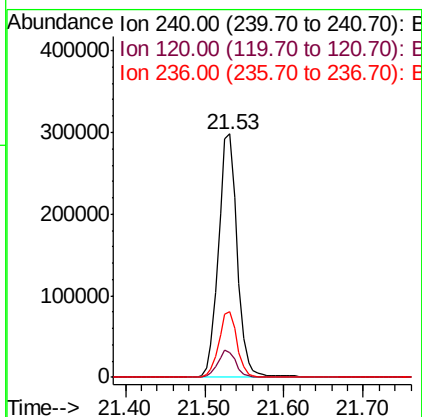
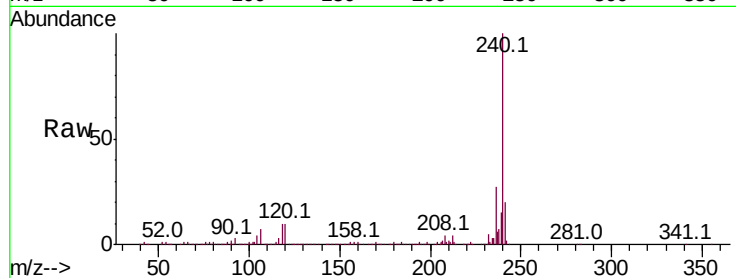




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.53 min Scan# 3139
Delta R.T. -0.00 min
Lab File: BG044382.D
Acq: 11 Feb 2020 9:46

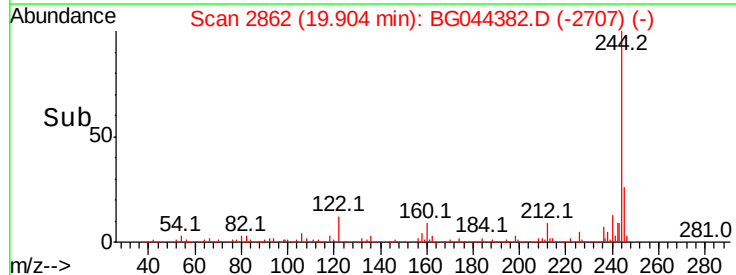
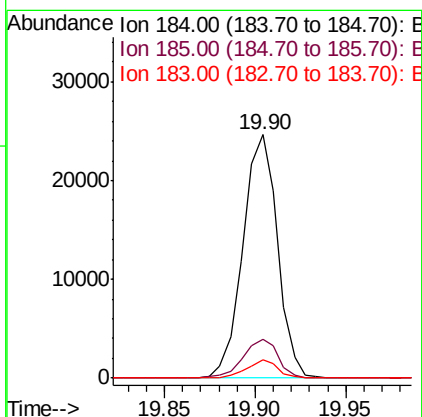
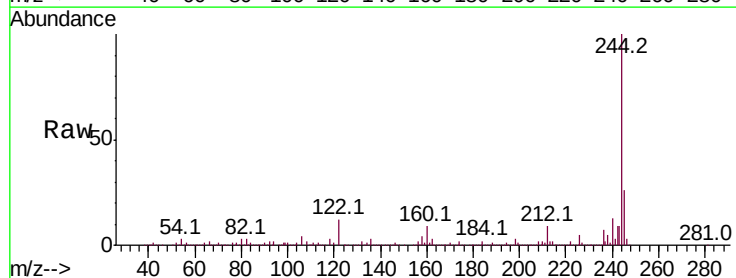
Instrument :
BNA_G
ClientSampleId :

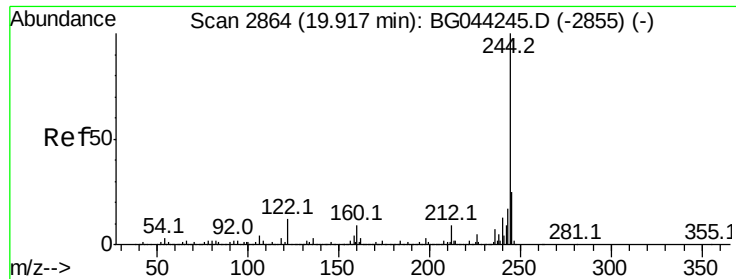
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	27.2	22.1	33.1



#77
Benzidine
Concen: 2.401 ng
RT: 19.90 min Scan# 2862
Delta R.T. 0.38 min
Lab File: BG044382.D
Acq: 11 Feb 2020 9:46

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.9	19.3
183	7.7	10.8	16.2#





#79

Terphenyl-d14

Concen: 79.825 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

Instrument :

BNA_G

ClientSampleId :

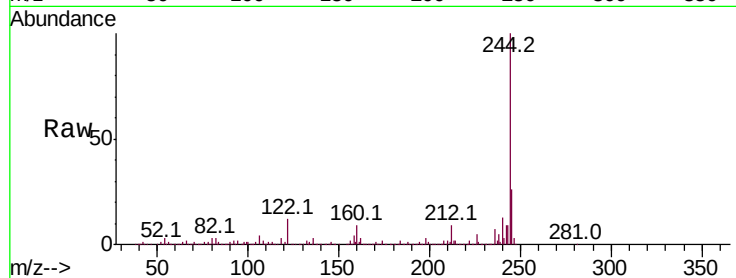
Tot Ion:244 Resp: 1899497

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.2

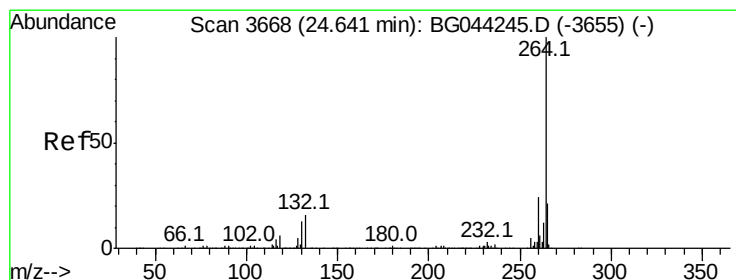
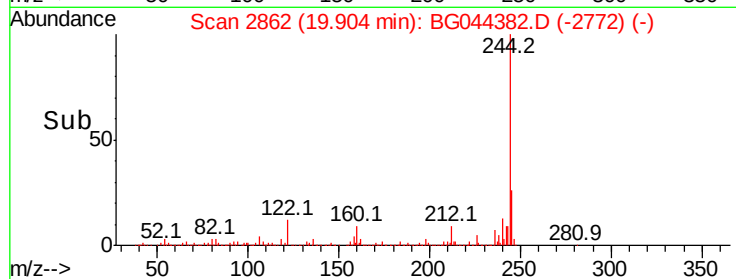
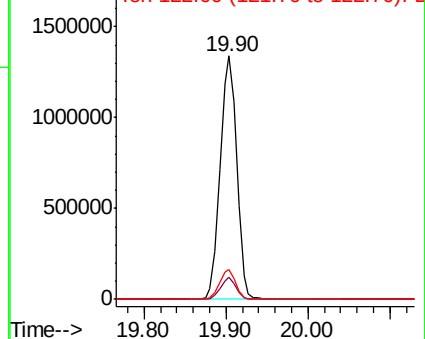
122 12.5 9.8 14.6



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: 24.62 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BG044382.D

Acq: 11 Feb 2020 9:46

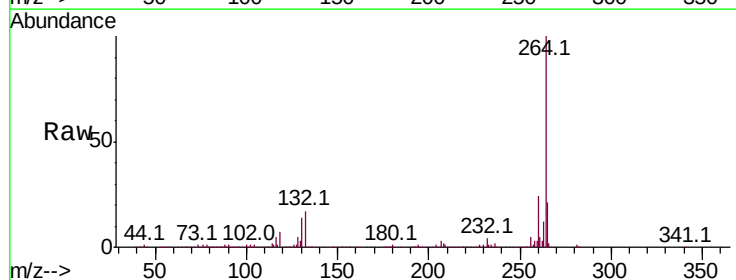
Tgt Ion:264 Resp: 502805

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.3 16.7 25.1



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

