

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044400.D
 Acq On : 11 Feb 2020 22:30
 Operator : CG/JU
 Sample : L1438-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BC

Quant Time: Feb 12 03:08:07 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

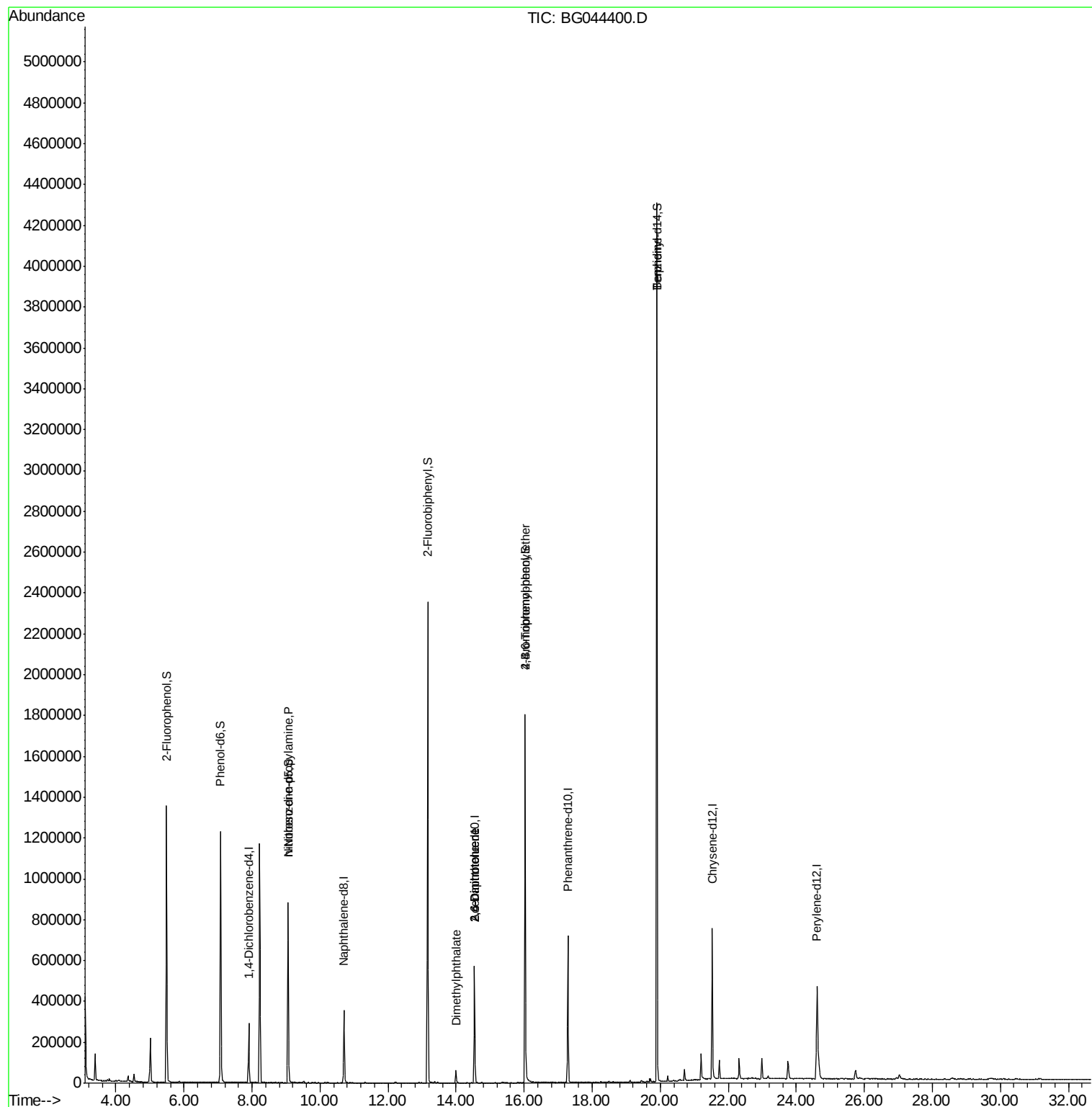
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	87327	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	344559	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	213740	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	473317	20.00	ng	0.00
76) Chrysene-d12	21.53	240	449579	20.00	ng	0.00
87) Perylene-d12	24.61	264	461817	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	665214	134.44	ng	0.00
7) Phenol-d6	7.08	99	791457	119.11	ng	0.00
23) Nitrobenzene-d5	9.06	82	585149	95.88	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	366972	146.25	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1278538	100.17	ng	0.00
79) Terphenyl-d14	19.90	244	1973392	90.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	77055	17.400	ng	Qvalue # 76
50) Dimethylphthalate	14.00	163	52952	3.446	ng	97
51) 2,6-Dinitrotoluene	14.54	165	28742	8.390	ng	# 30
57) 2,4-Dinitrotoluene	14.54	165	28742	5.986	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	25760	4.995	ng	# 1
77) Benzidine	19.90	184	33515	2.688	ng	# 91

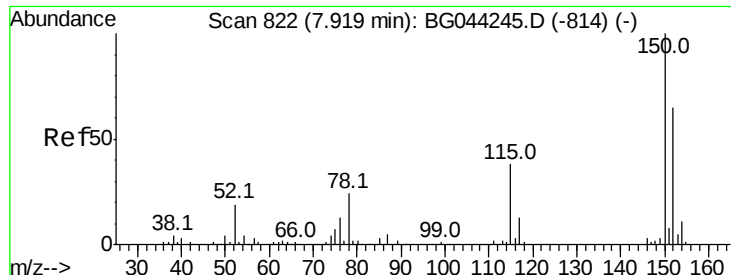
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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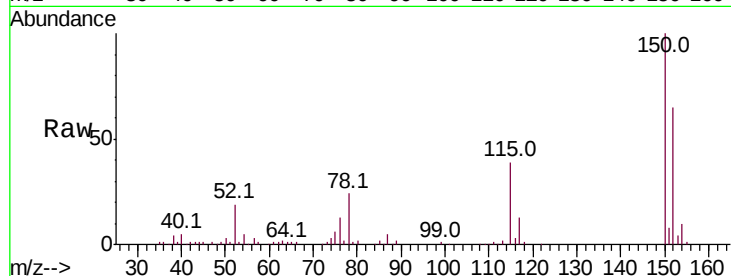


#1

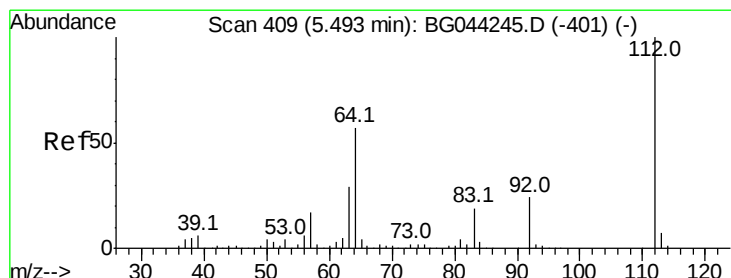
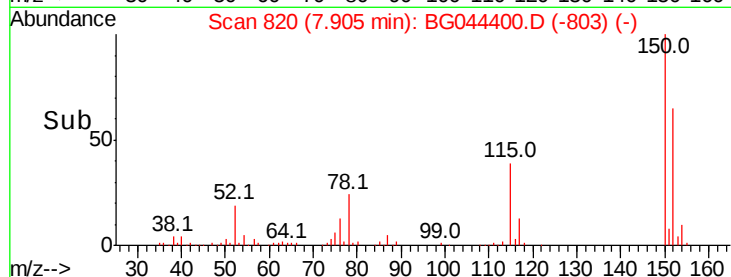
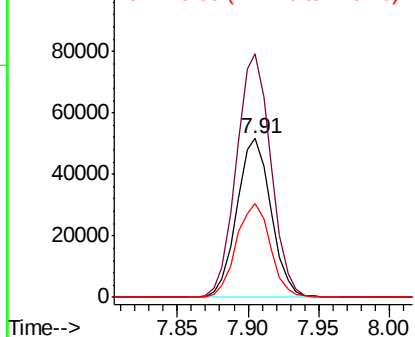
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BC

Tot Ion:152 Resp: 87327
Ion Ratio Lower Upper
152 100
150 153.5 122.6 183.8
115 59.5 46.0 69.0



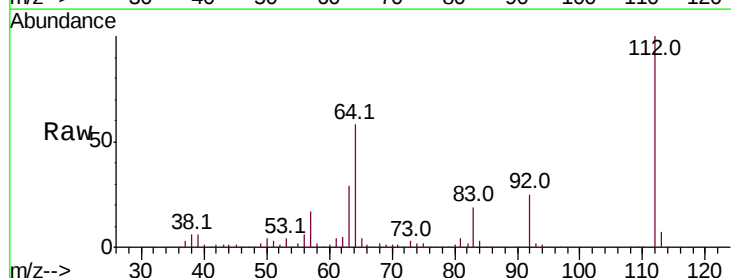
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



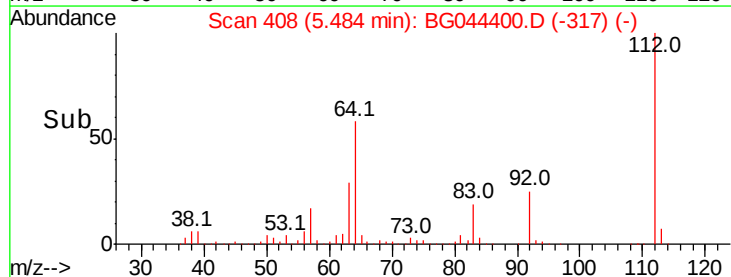
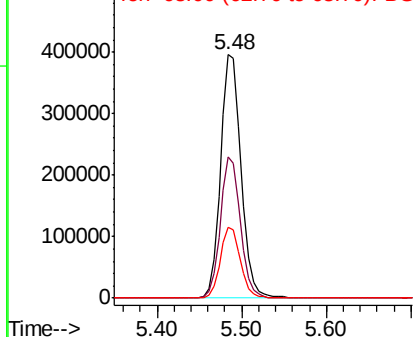
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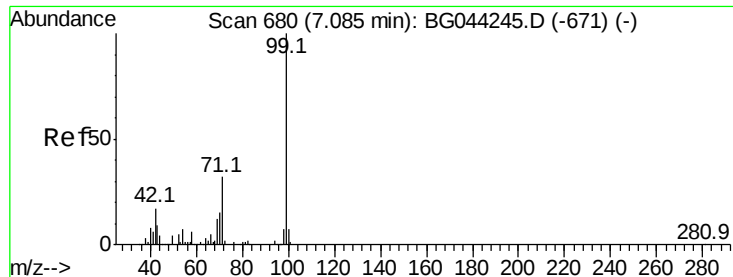
2-Fluorophenol
Concen: 134.437 ng
RT: 5.48 min Scan# 408
Delta R.T. 0.01 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Tgt Ion:112 Resp: 665214
Ion Ratio Lower Upper
112 100
64 57.8 45.4 68.2
63 29.3 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: 119.112 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BC

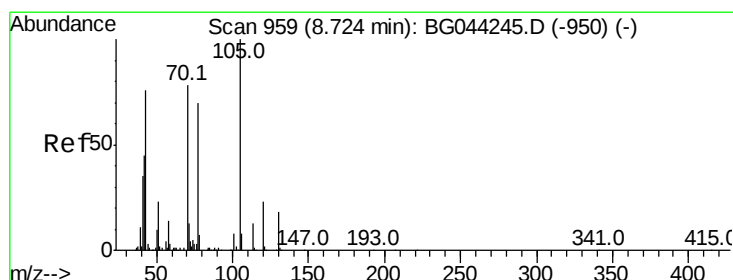
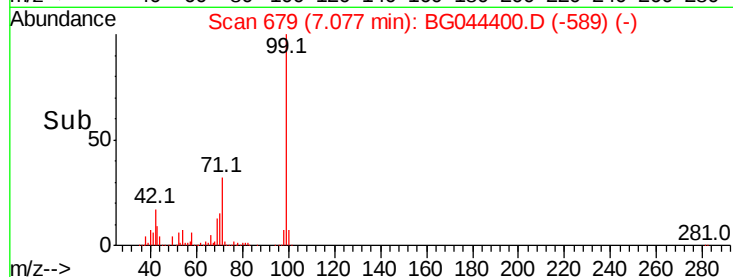
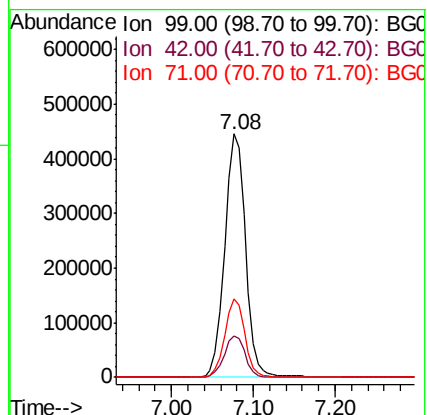
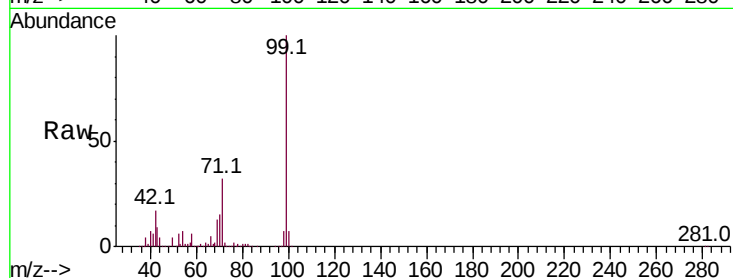
Tot Ion: 99 Resp: 791457

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.6

71 32.3 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.400 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

Tgt Ion: 70 Resp: 77055

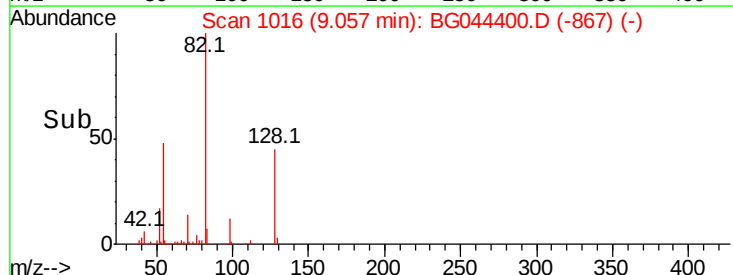
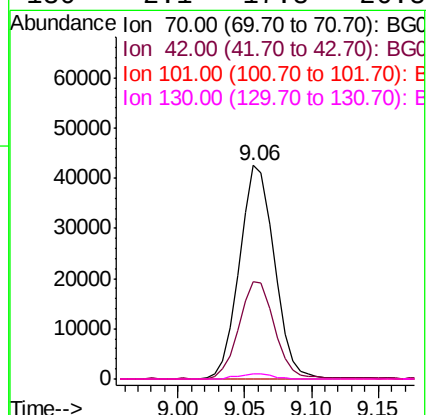
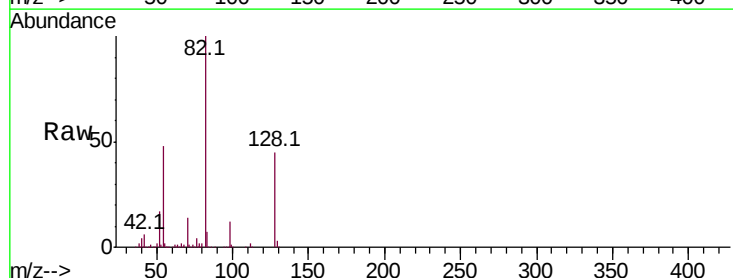
Ion Ratio Lower Upper

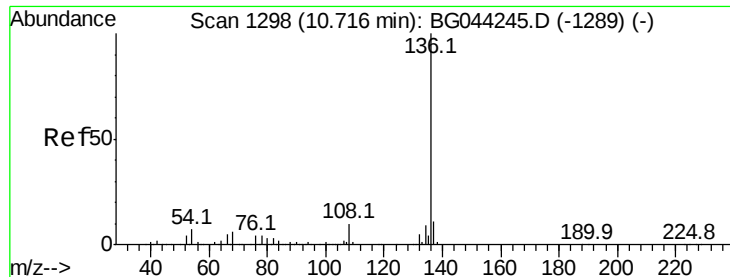
70 100

42 45.4 46.2 69.2#

101 0.0 8.4 12.6#

130 2.1 17.8 26.8#

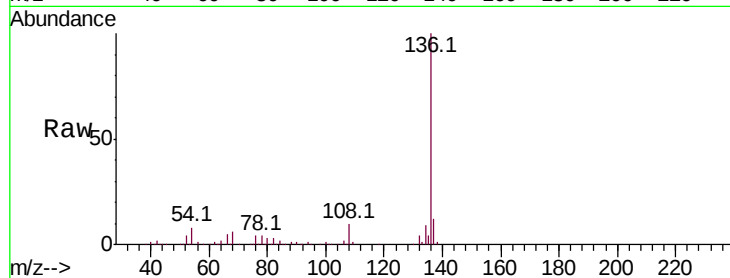




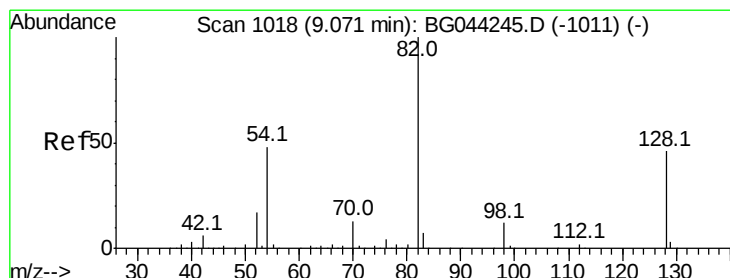
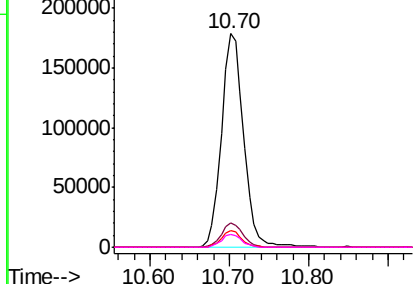
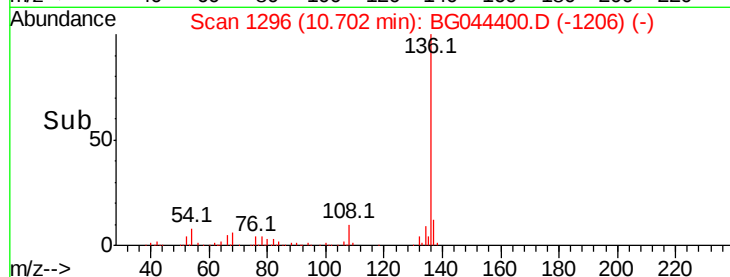
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BC

Tot Ion:136	Resp:	344559
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.8 13.2
54	7.8	5.8 8.8
68	5.7	4.6 6.8

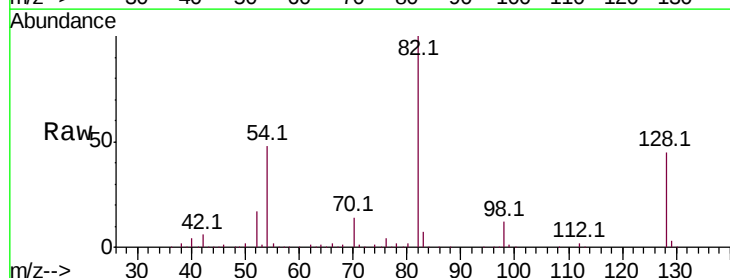


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

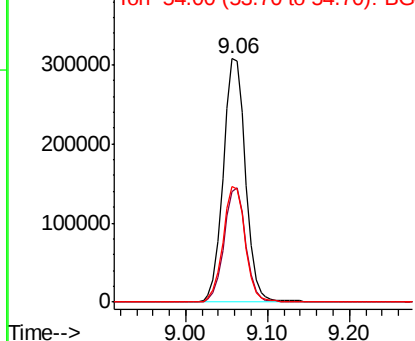
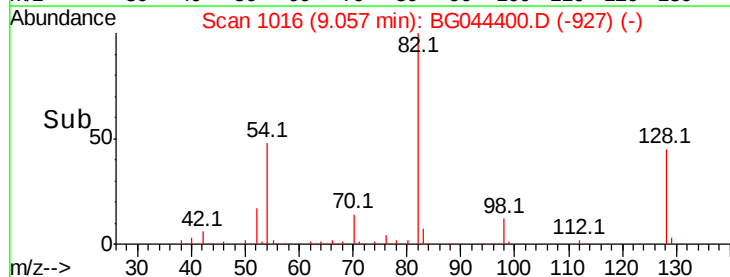


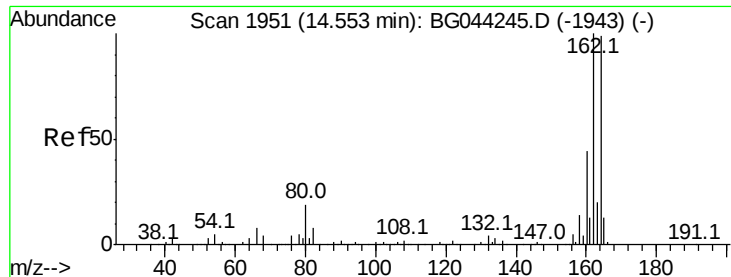
#23
Nitrobenzene-d5
Concen: 95.877 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Tgt Ion: 82	Resp:	585149
Ion	Ratio	Lower Upper
82	100	
128	45.3	36.5 54.7
54	47.6	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

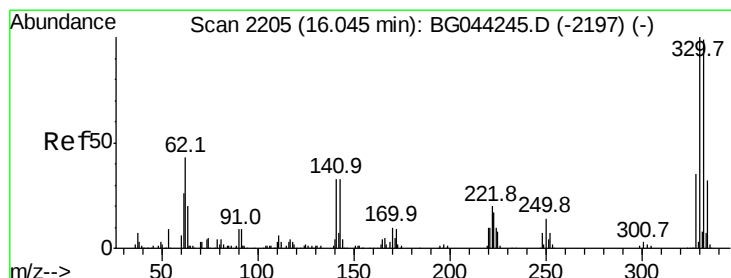
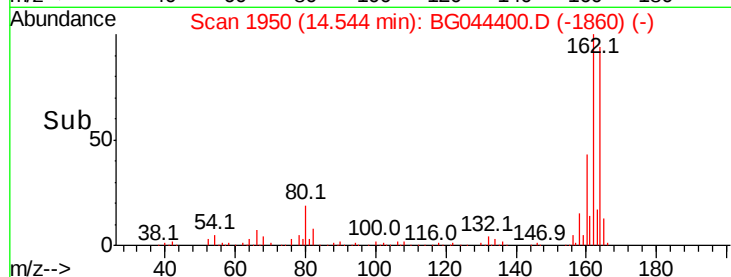
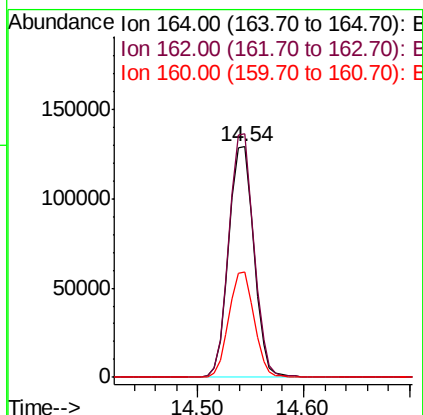
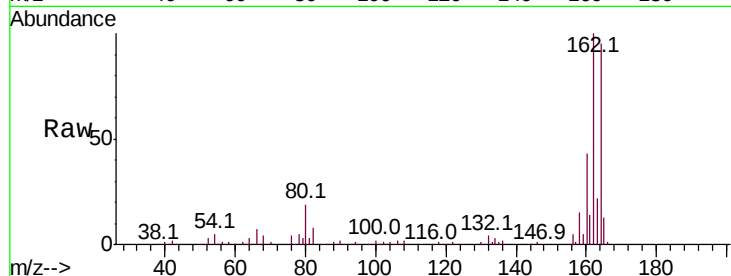




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

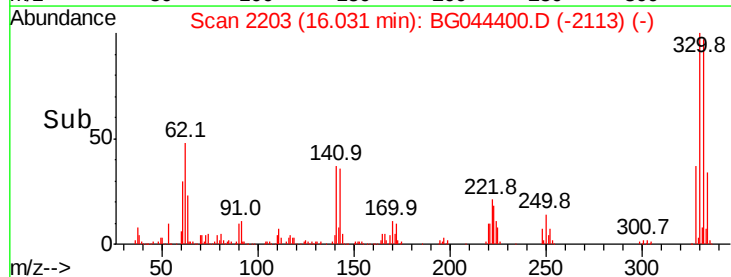
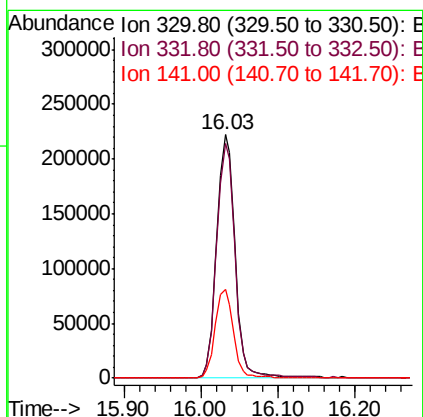
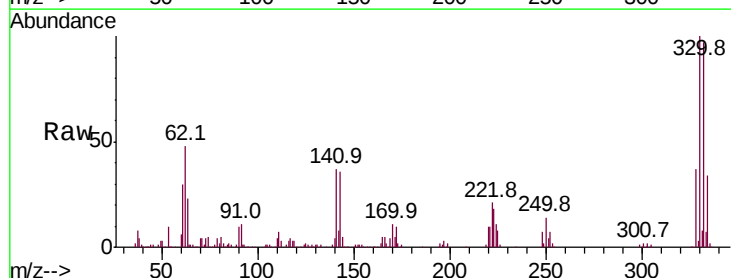
Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BC

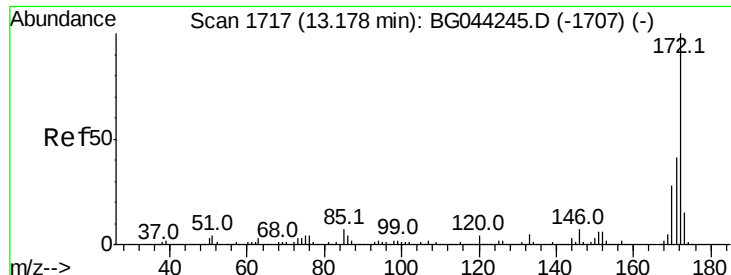
Tot Ion:164 Resp: 213740
Ion Ratio Lower Upper
164 100
162 105.8 80.7 121.1
160 45.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 146.251 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Tgt Ion:330 Resp: 366972
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 36.2 28.3 42.5

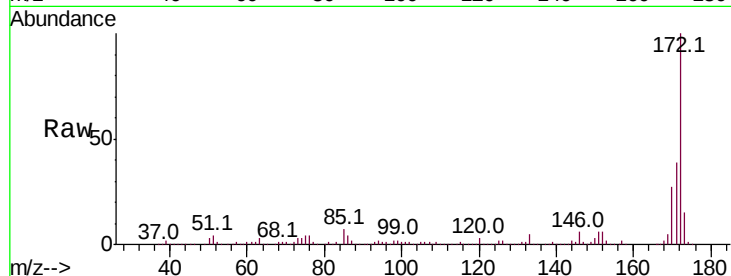




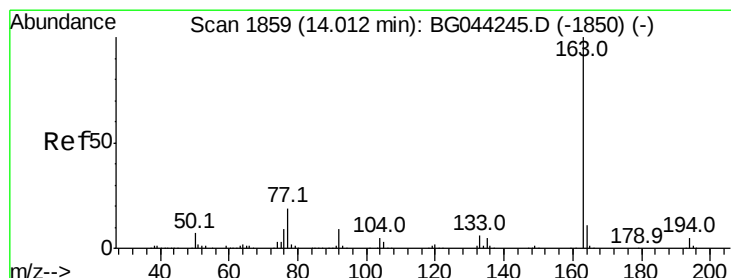
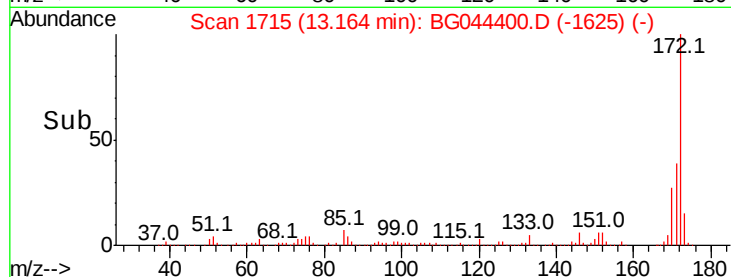
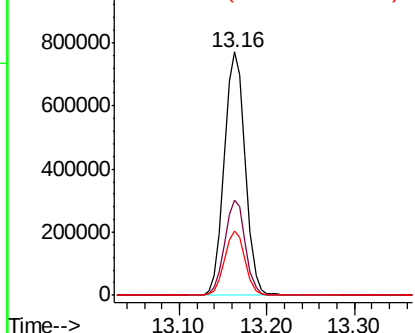
#45
2-Fluorobiphenyl
Concen: 100.168 ng
RT: 13.16 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BC

Tot Ion:172 Resp: 1278538
Ion Ratio Lower Upper
172 100
171 39.0 32.9 49.3
170 26.5 22.0 33.0

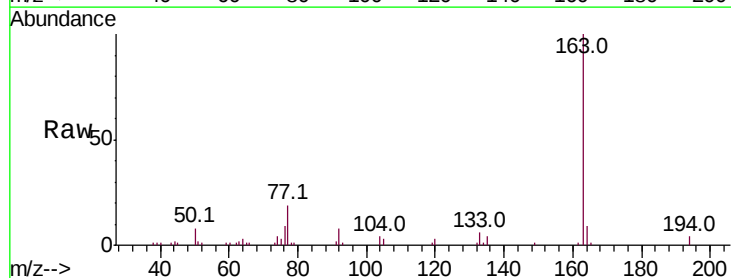


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

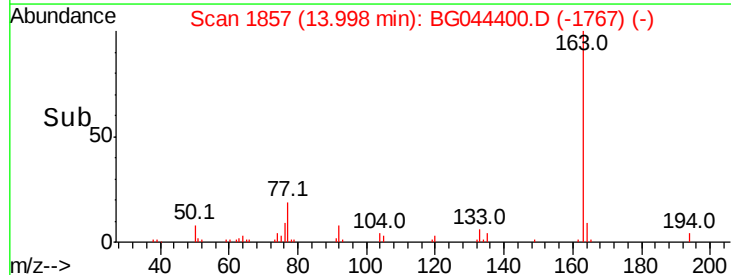
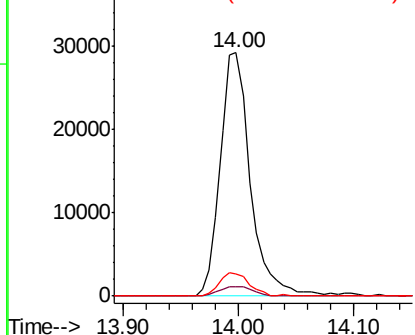


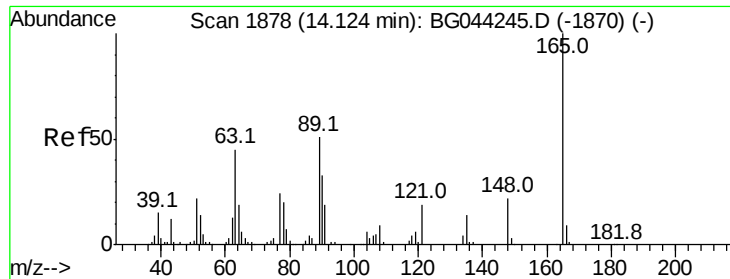
#50
Dimethylphthalate
Concen: 3.446 ng
RT: 14.00 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Tgt Ion:163 Resp: 52952
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 9.4 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: 8.390 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.42 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BC

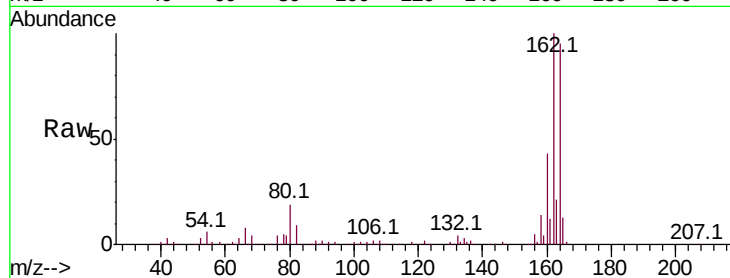
Tot Ion:165 Resp: 28742

Ion Ratio Lower Upper

165 100

63 1.2 38.7 58.1#

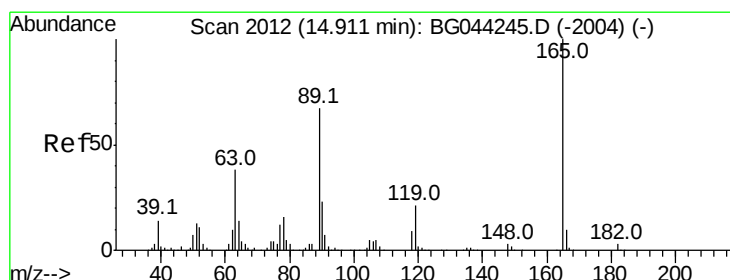
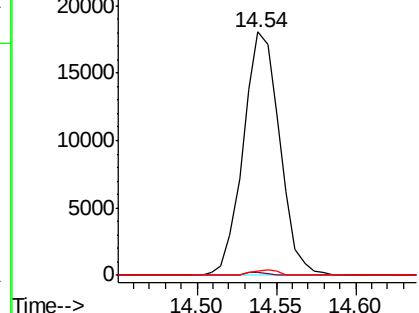
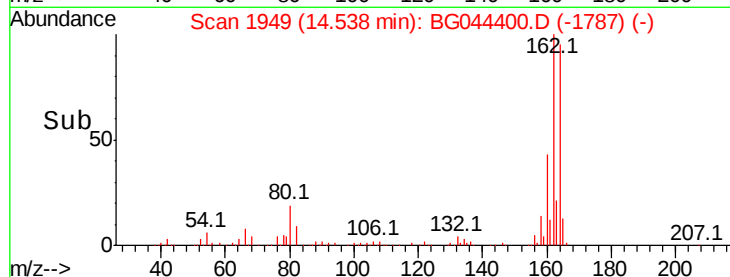
89 1.5 40.4 60.6#



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: 5.986 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

Tgt Ion:165 Resp: 28742

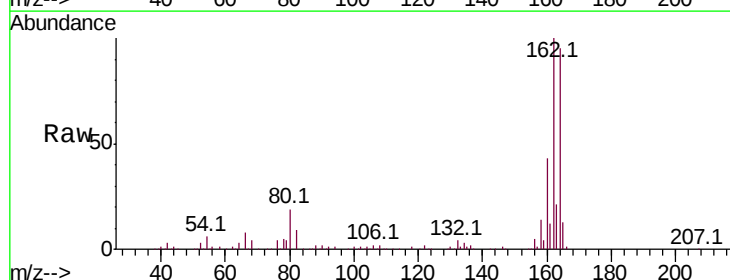
Ion Ratio Lower Upper

165 100

63 1.2 30.3 45.5#

89 1.5 53.4 80.2#

182 0.0 2.1 3.1#

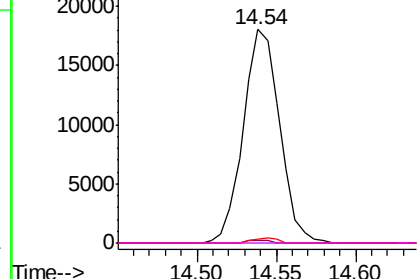
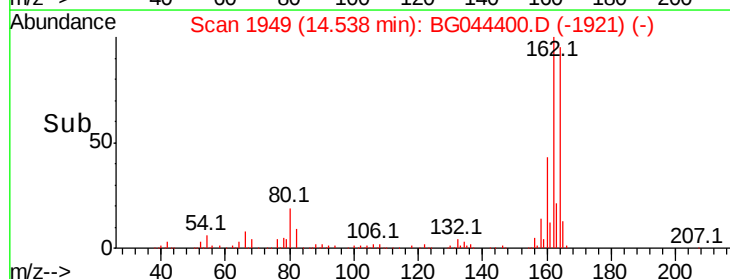


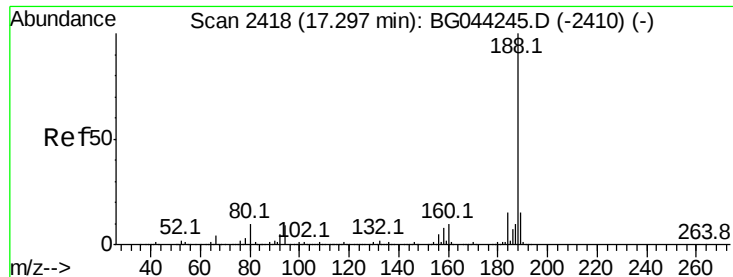
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.28 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BC

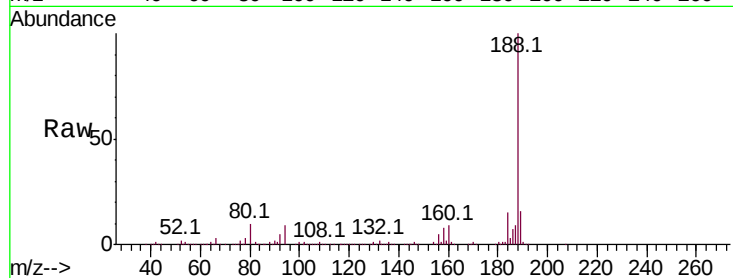
Tot Ion:188 Resp: 473317

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

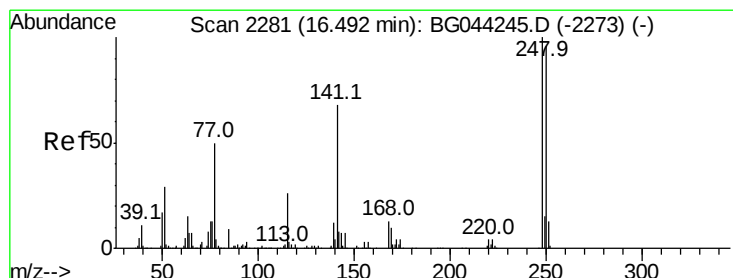
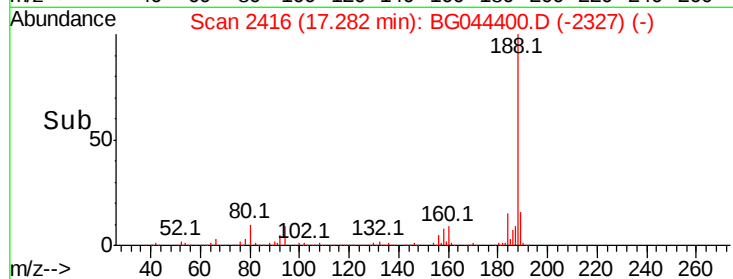
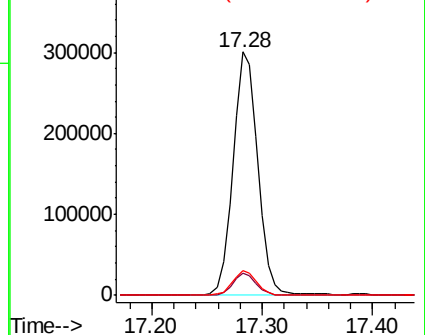
80 10.2 7.7 11.5



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: 4.995 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.45 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

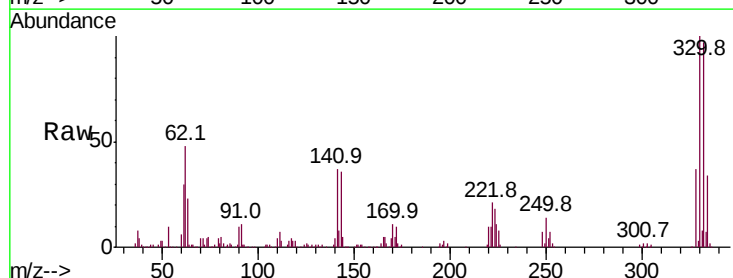
Tgt Ion:248 Resp: 25760

Ion Ratio Lower Upper

248 100

250 195.9 76.6 114.8#

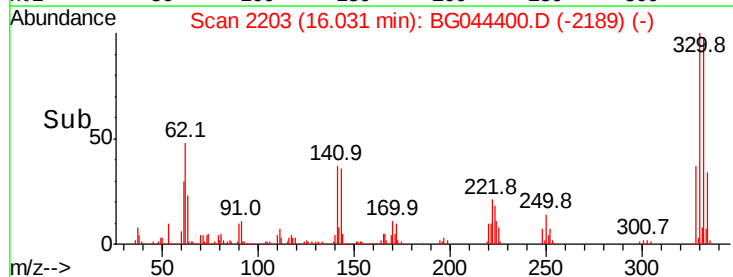
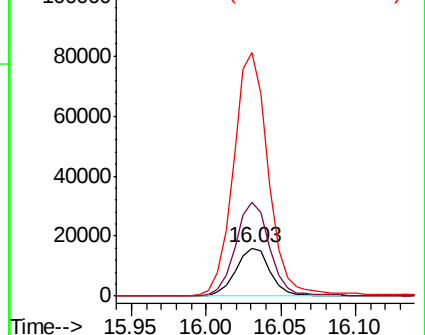
141 509.3 54.7 82.1#

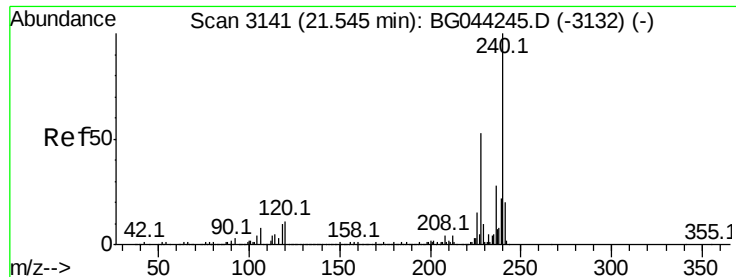


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

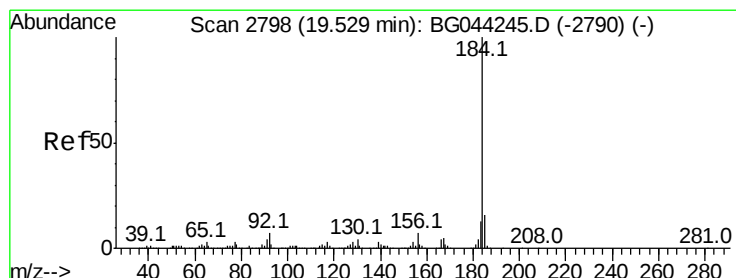
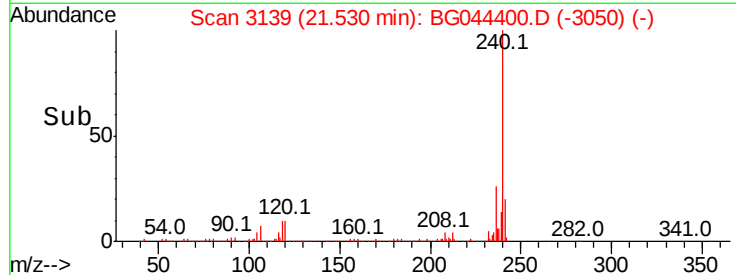
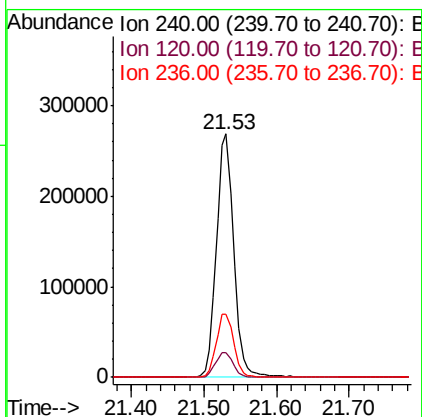
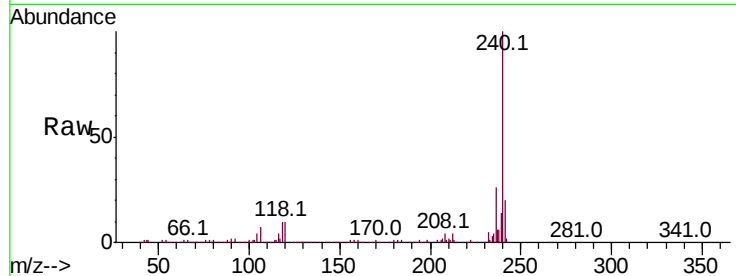




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.53 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

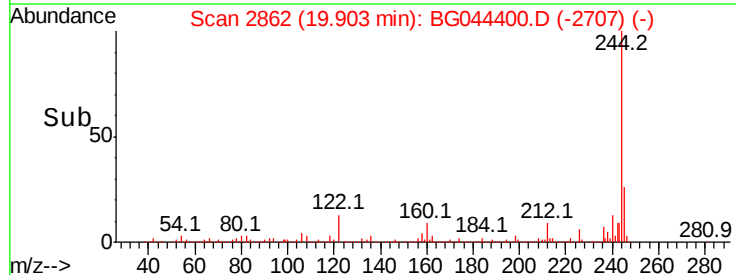
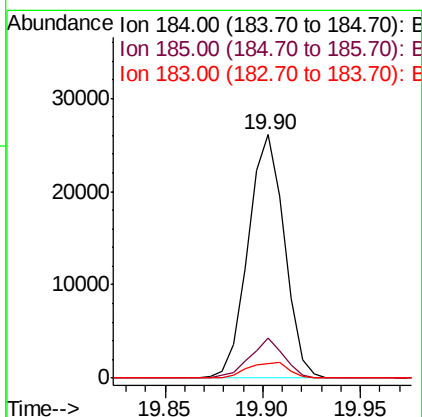
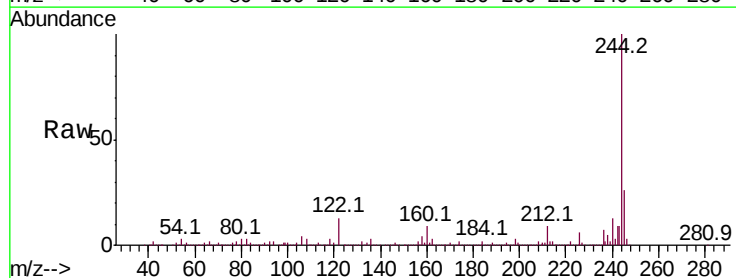
Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BC

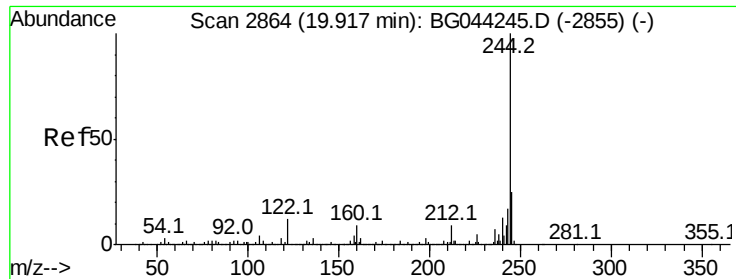
Tot Ion:240 Resp: 449579
Ion Ratio Lower Upper
240 100
120 10.3 8.4 12.6
236 25.9 22.1 33.1



#77
Benzidine
Concen: 2.688 ng
RT: 19.90 min Scan# 2862
Delta R.T. 0.38 min
Lab File: BG044400.D
Acq: 11 Feb 2020 22:30

Tgt Ion:184 Resp: 33515
Ion Ratio Lower Upper
184 100
185 16.4 12.9 19.3
183 6.0 10.8 16.2#





#79

Terphenyl-d14

Concen: 90.285 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BC

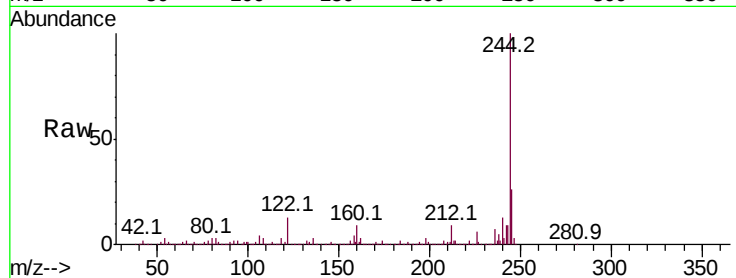
Tot Ion:244 Resp: 1973392

Ion Ratio Lower Upper

244 100

212 9.4 7.4 11.2

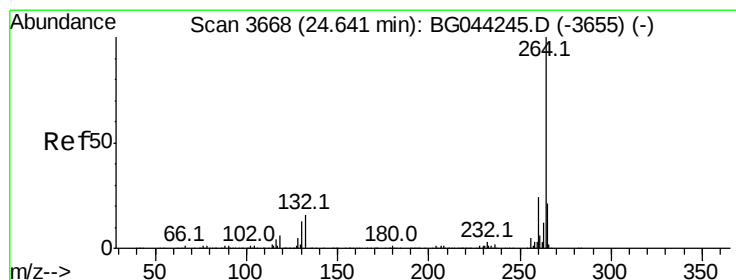
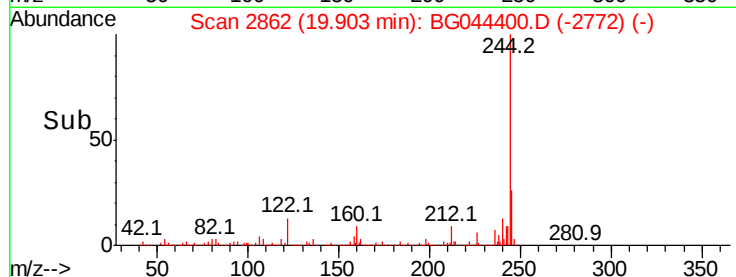
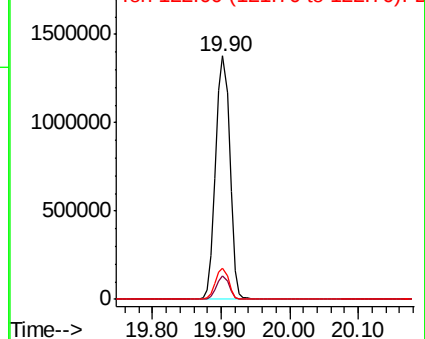
122 12.8 9.8 14.6



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: 24.61 min Scan# 3664

Delta R.T. -0.01 min

Lab File: BG044400.D

Acq: 11 Feb 2020 22:30

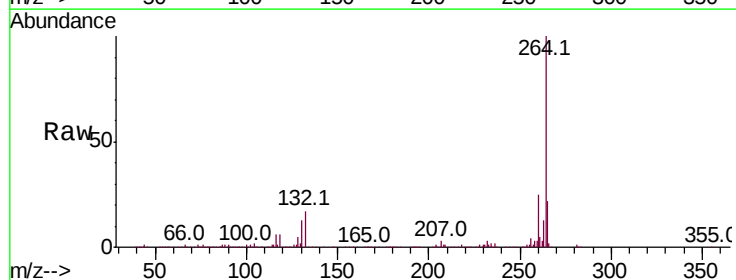
Tgt Ion:264 Resp: 461817

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 21.6 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

