

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044380.D
 Acq On : 11 Feb 2020 8:27
 Operator : CG/JU
 Sample : L1446-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HP-640

Quant Time: Feb 11 13:04:59 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

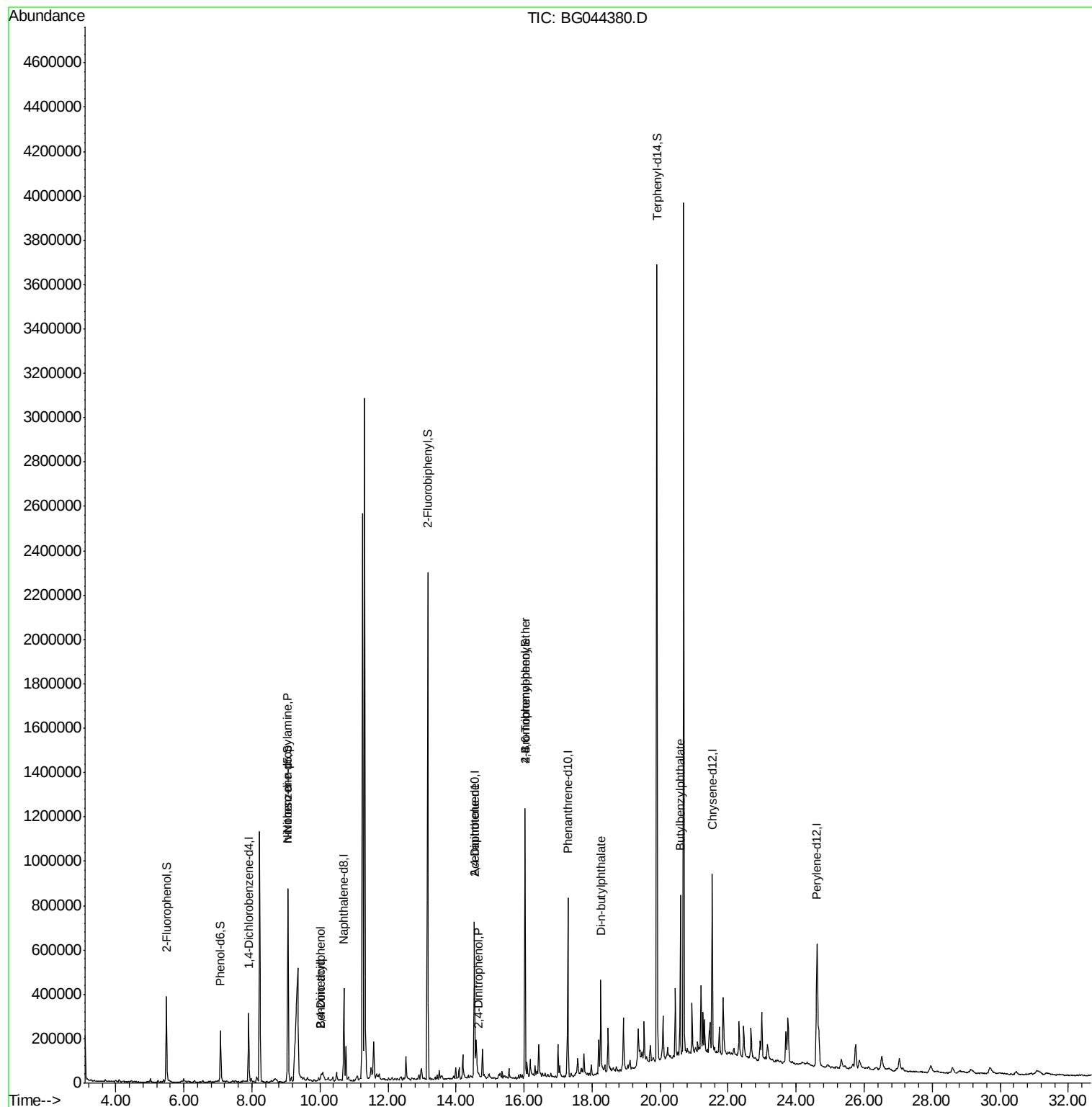
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	95509	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	379602	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	233706	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	502215	20.00	ng	0.00
76) Chrysene-d12	21.53	240	476237	20.00	ng	0.00
87) Perylene-d12	24.61	264	500825	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	204114	37.72	ng	0.00
7) Phenol-d6	7.08	99	158570	21.82	ng	0.00
23) Nitrobenzene-d5	9.06	82	551323	82.00	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	233527	85.12	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1203284	86.22	ng	0.00
79) Terphenyl-d14	19.91	244	1665014	71.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	72556	14.981	ng	Qvalue # 77
27) 2,4-Dimethylphenol	10.04	122	19785	4.115	ng	# 7
32) Benzoic acid	10.04	122	19785	18.574	ng	97
54) 2,4-Dinitrophenol	14.66	184	905	7.994	ng	# 78
57) 2,4-Dinitrotoluene	14.54	165	31486	5.997	ng	# 28
67) 4-Bromophenyl-phenylether	16.03	248	15925	2.910	ng	# 1
74) Di-n-butylphthalate	18.26	149	259758	9.483	ng	97
80) Butylbenzylphthalate	20.59	149	222845	15.989	ng	98

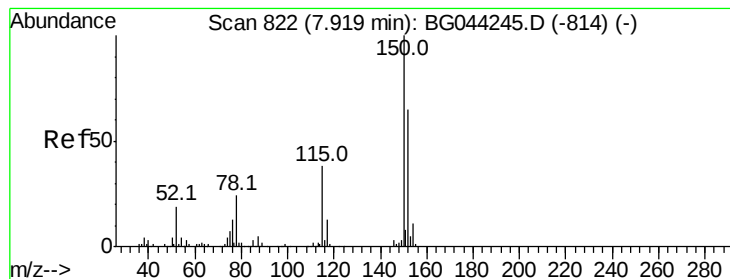
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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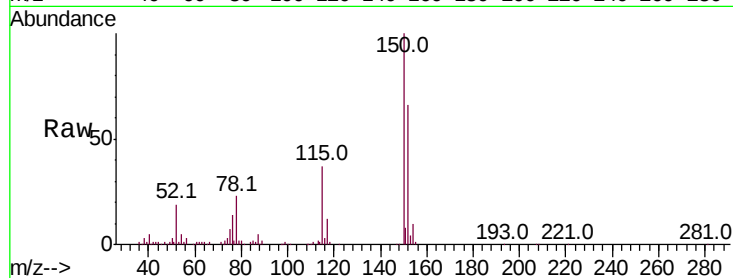


#1

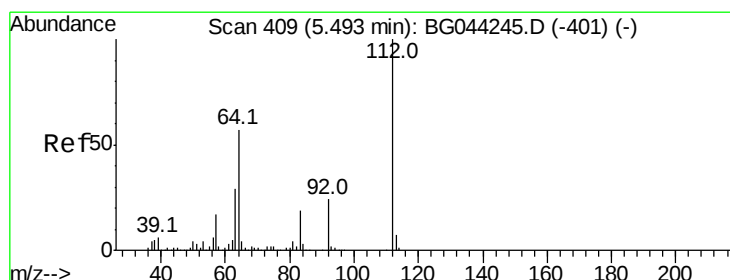
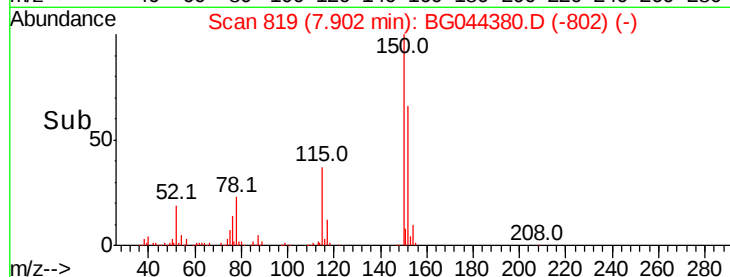
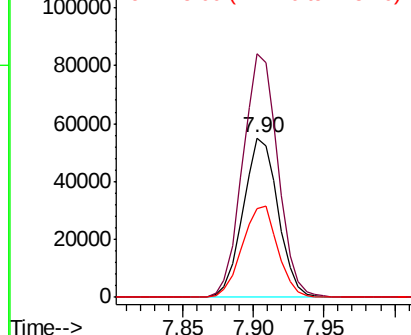
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044380.D
Acq: 11 Feb 2020 8:27

Instrument :
BNA_G
ClientSampleId :
HP-640

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.6	183.8
115	55.9	46.0	69.0



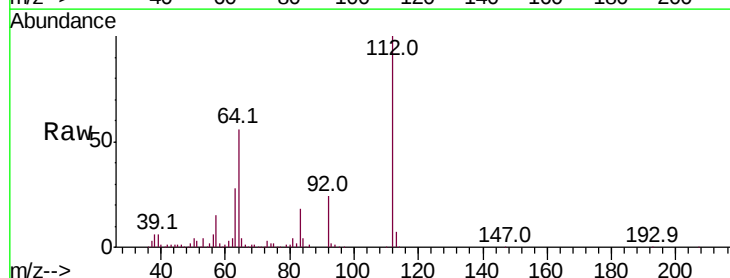
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



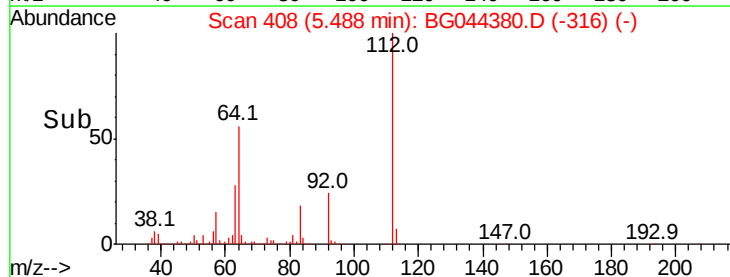
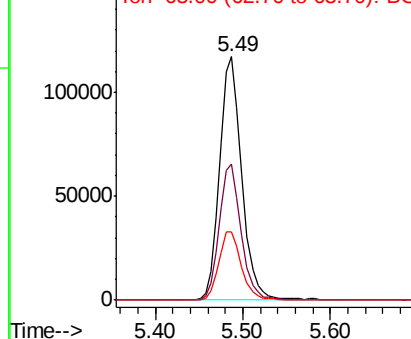
#5

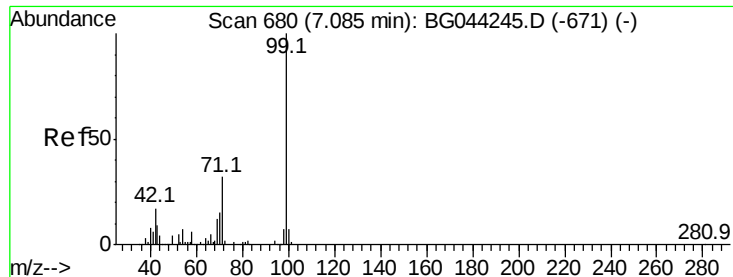
2-Fluorophenol
Concen: 37.717 ng
RT: 5.49 min Scan# 408
Delta R.T. 0.01 min
Lab File: BG044380.D
Acq: 11 Feb 2020 8:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.4	68.2
63	28.2	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: 21.820 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Instrument :

BNA_G

ClientSampleId :

HP-640

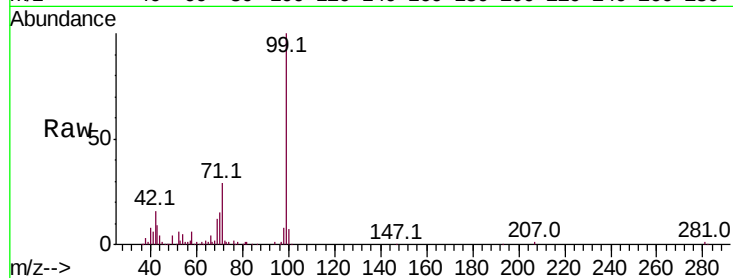
Tot Ion: 99 Resp: 158570

Ion Ratio Lower Upper

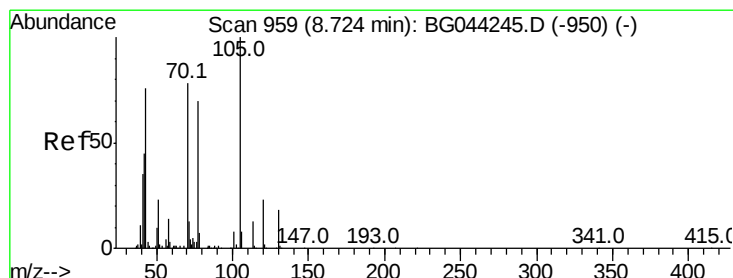
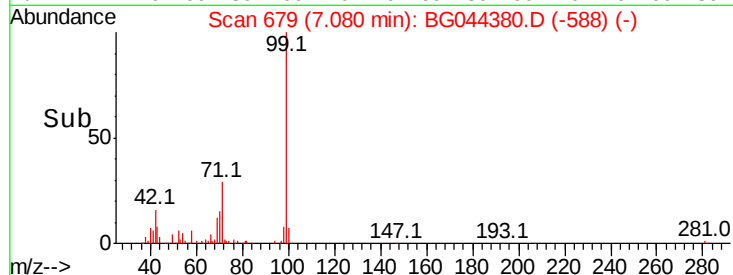
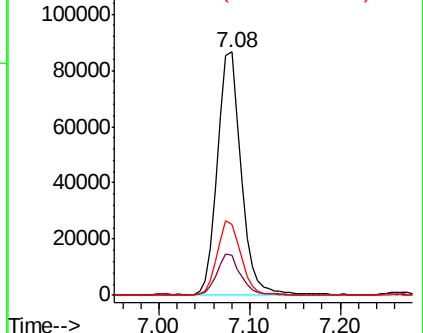
99 100

42 16.3 13.8 20.6

71 29.2 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: 14.981 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Tgt Ion: 70 Resp: 72556

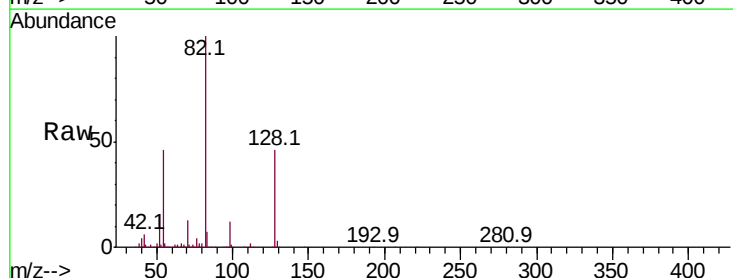
Ion Ratio Lower Upper

70 100

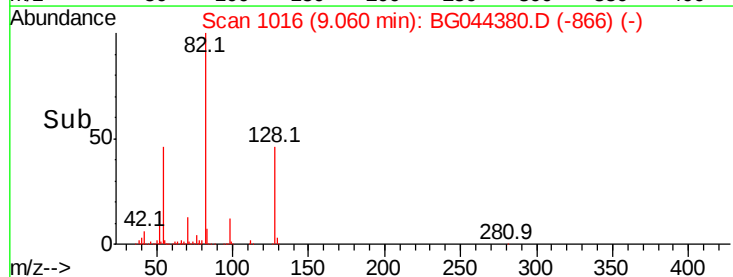
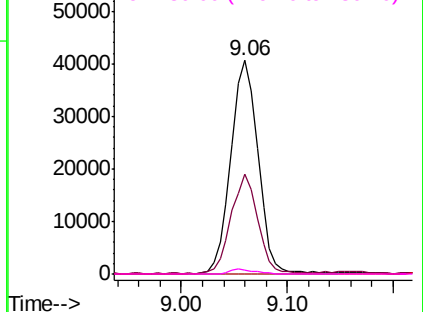
42 47.0 46.2 69.2

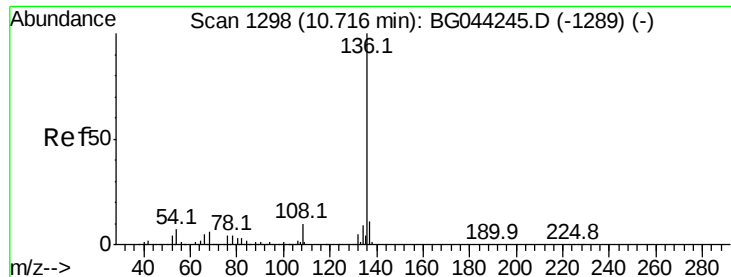
101 0.0 8.4 12.6#

130 1.9 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: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Instrument :

BNA_G

ClientSampleId :

HP-640

Tot Ion:136 Resp: 379602

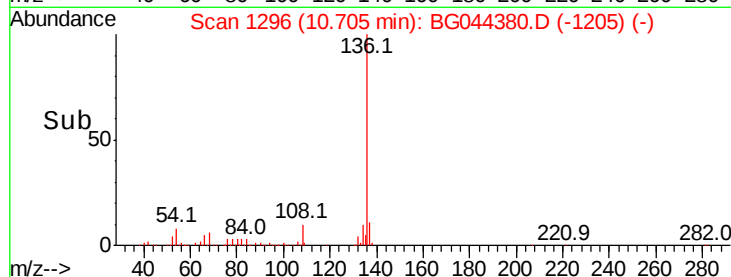
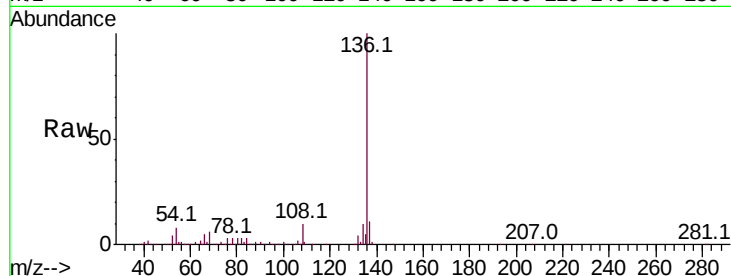
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.2 5.8 8.8

68 6.1 4.6 6.8

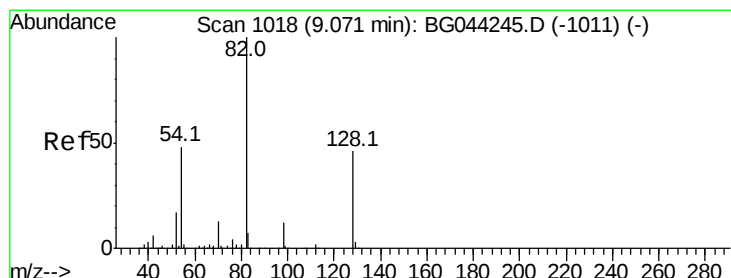
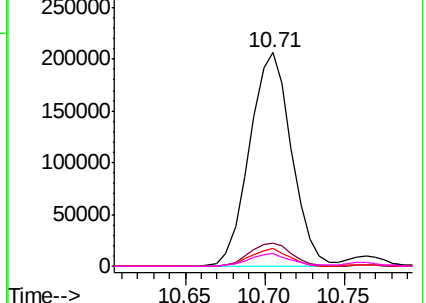


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.996 ng

RT: 9.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

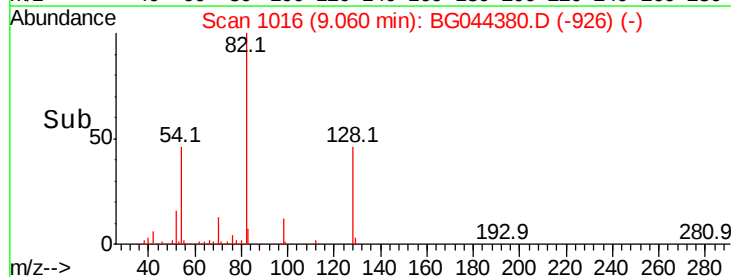
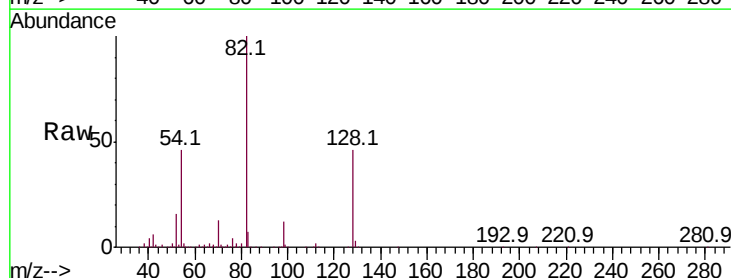
Tgt Ion: 82 Resp: 551323

Ion Ratio Lower Upper

82 100

128 46.4 36.5 54.7

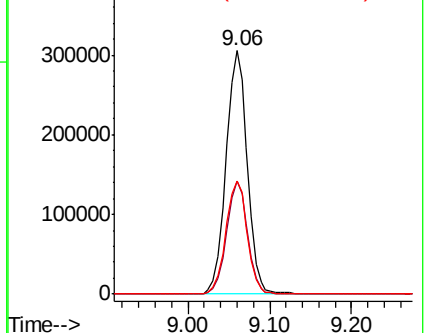
54 46.4 38.6 58.0

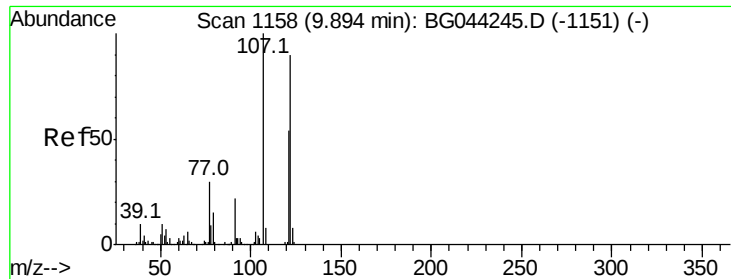


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

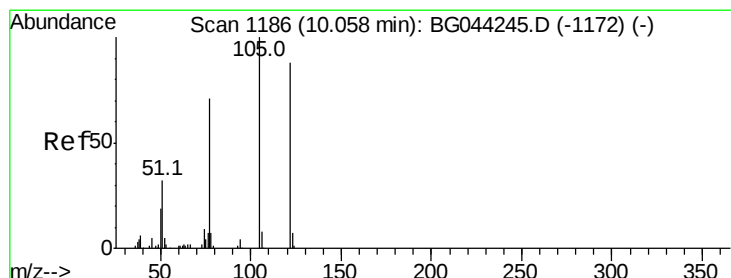
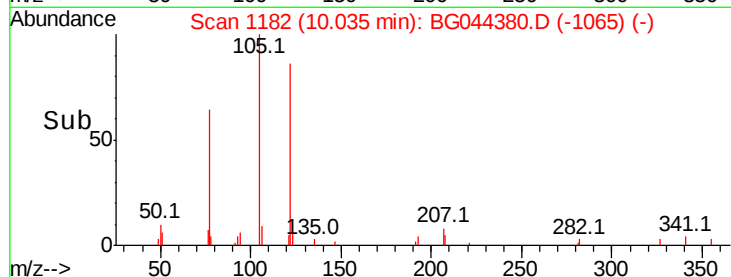
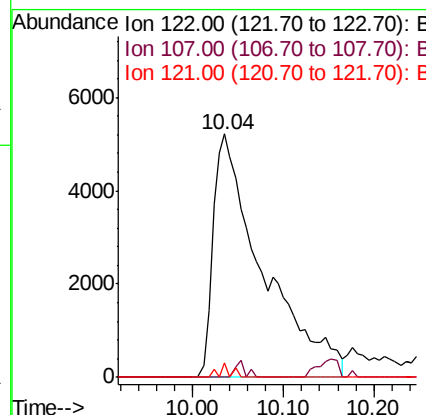
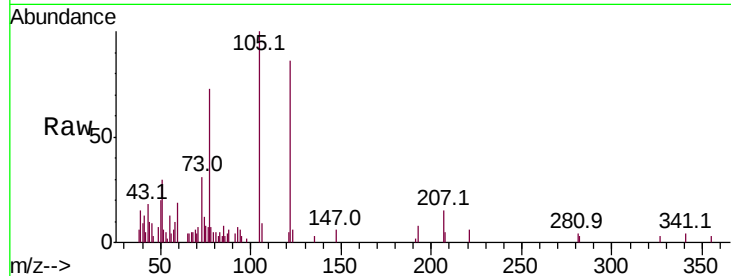




#27
2,4-Dimethylphenol
Concen: 4.115 ng
RT: 10.04 min Scan# 1182
Delta R.T. 0.16 min
Lab File: BG044380.D
Acq: 11 Feb 2020 8:27

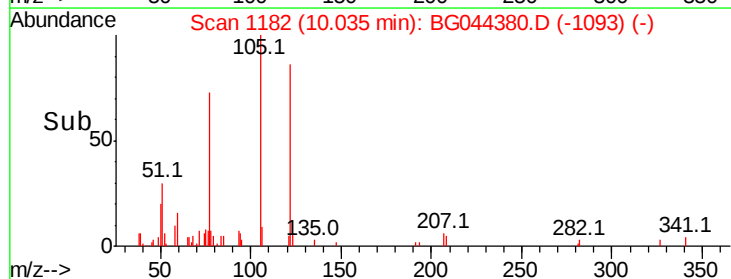
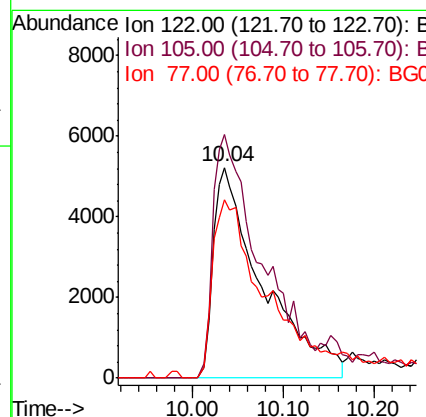
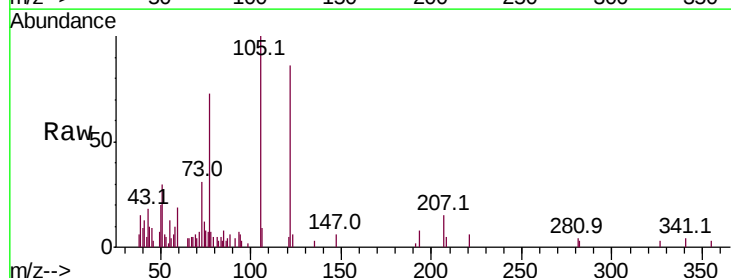
Instrument :
BNA_G
ClientSampleId :
HP-640

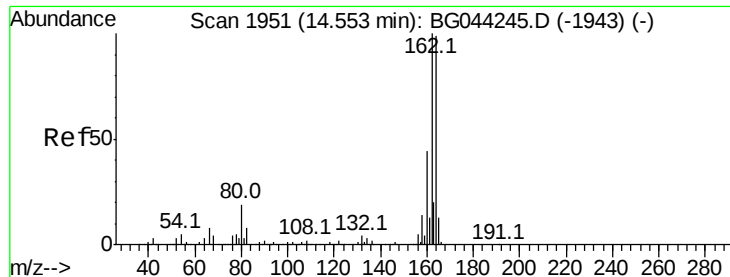
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	88.8	133.2#
121	6.2	48.3	72.5#



#32
Benzoic acid
Concen: 18.574 ng
RT: 10.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG044380.D
Acq: 11 Feb 2020 8:27

Tgt Ion	Ratio	Lower	Upper
122	100		
105	115.7	93.5	133.5
77	84.9	61.0	101.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Instrument :

BNA_G

ClientSampleId :

HP-640

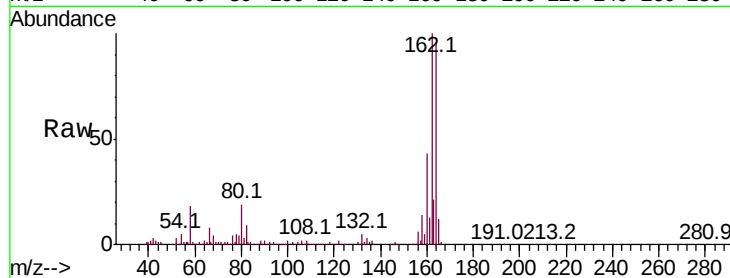
Tot Ion:164 Resp: 233706

Ion Ratio Lower Upper

164 100

162 103.7 80.7 121.1

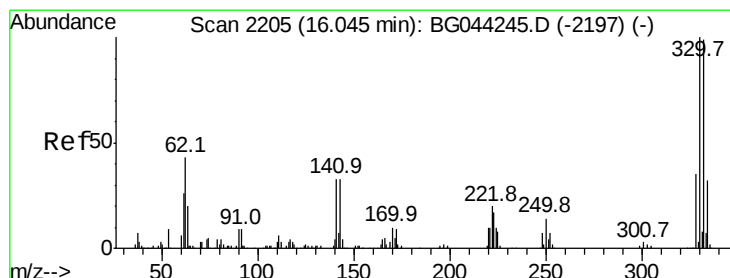
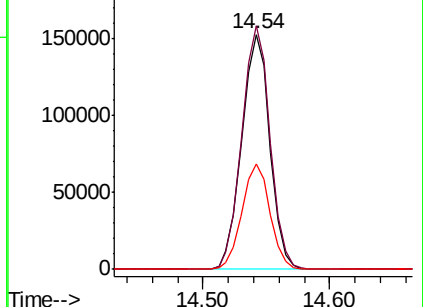
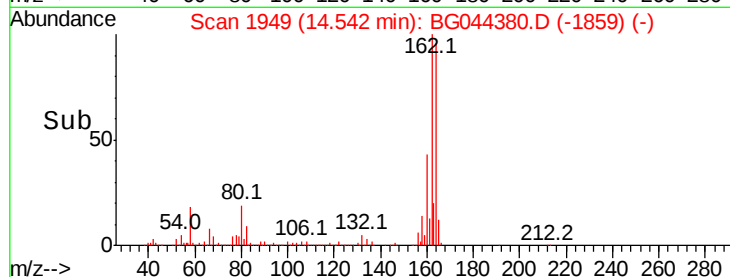
160 44.8 35.3 52.9



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: 85.118 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

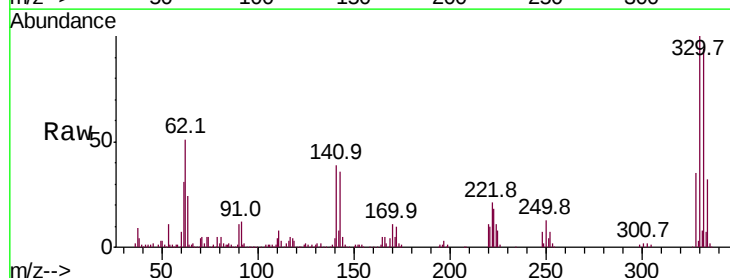
Tgt Ion:330 Resp: 233527

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

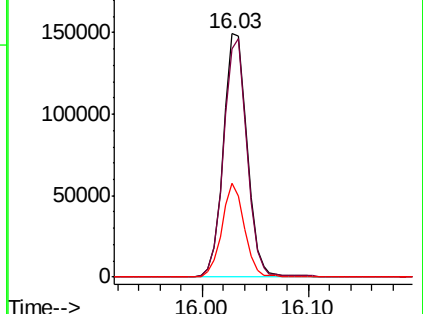
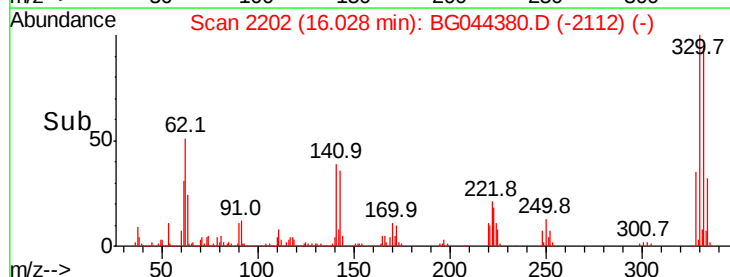
141 36.6 28.3 42.5

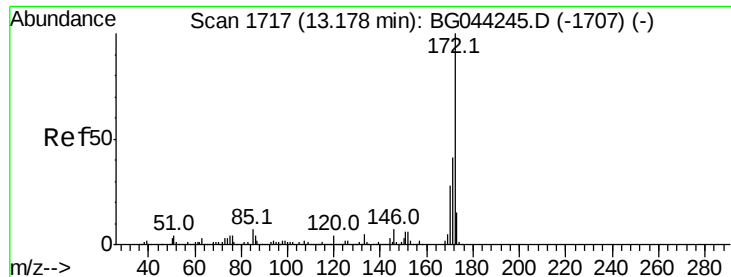


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

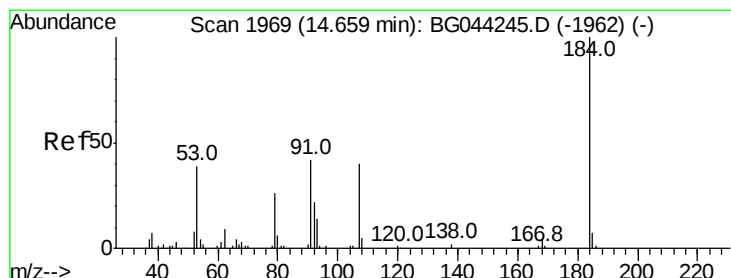
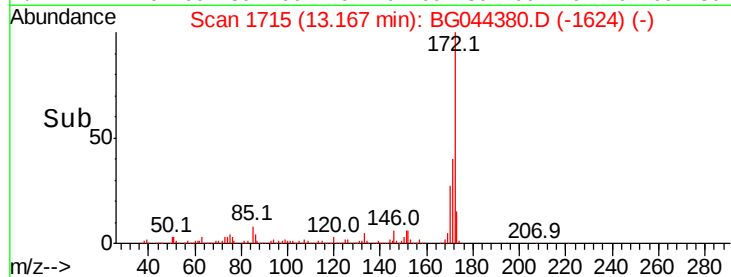
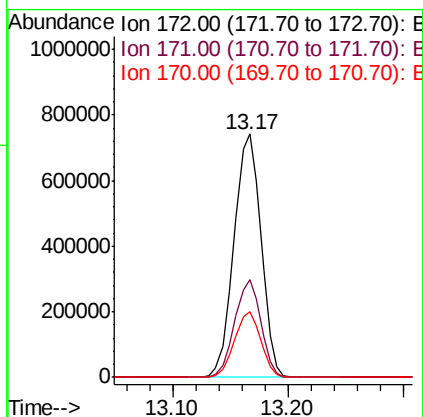
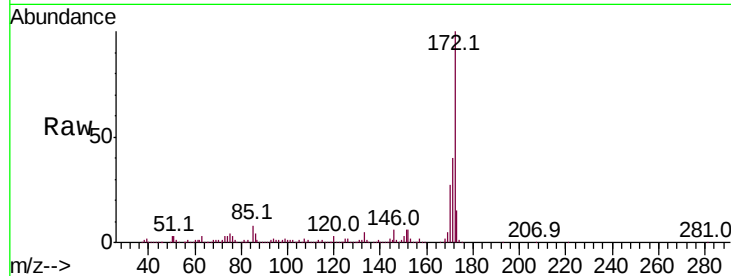




#45
2-Fluorobiphenyl
Concen: 86.218 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044380.D
Acq: 11 Feb 2020 8:27

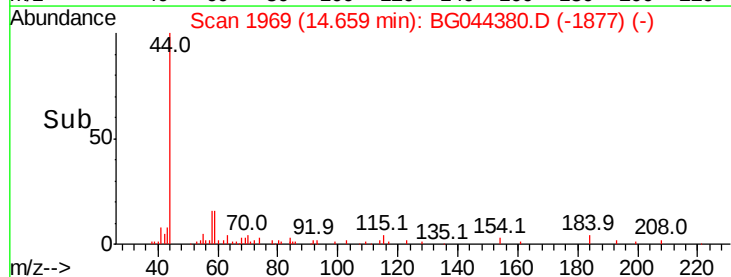
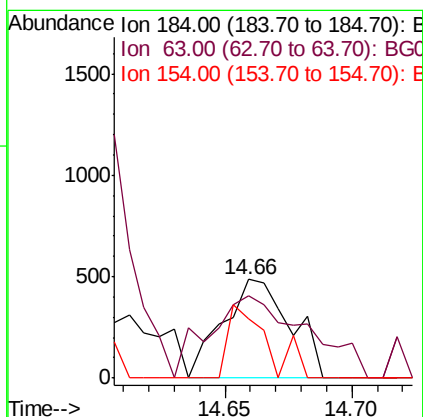
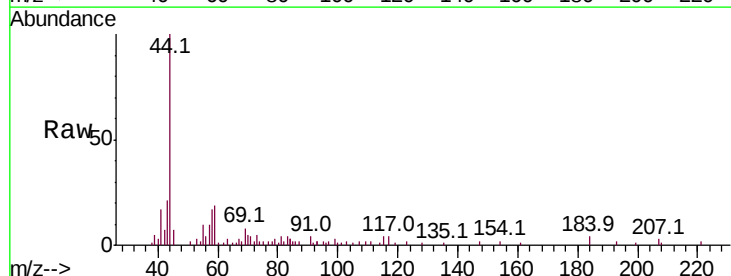
Instrument :
BNA_G
ClientSampled :
HP-640

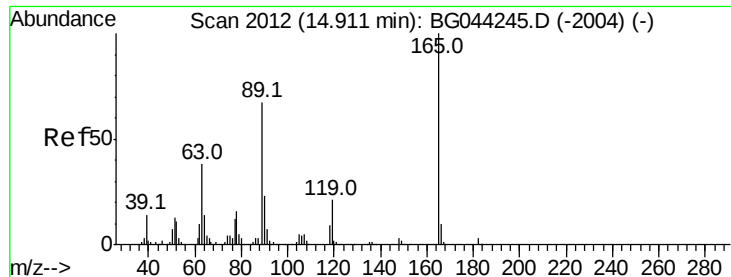
Tot Ion:172 Resp: 1203284
Ion Ratio Lower Upper
172 100
171 39.9 32.9 49.3
170 27.0 22.0 33.0



#54
2,4-Dinitrophenol
Concen: 7.994 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BG044380.D
Acq: 11 Feb 2020 8:27

Tgt Ion:184 Resp: 905
Ion Ratio Lower Upper
184 100
63 83.7 44.1 66.1#
154 59.7 45.4 68.0





#57

2,4-Dinitrotoluene

Concen: 5.997 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Instrument :

BNA_G

ClientSampleId :

HP-640

Tot Ion:165 Resp: 31486

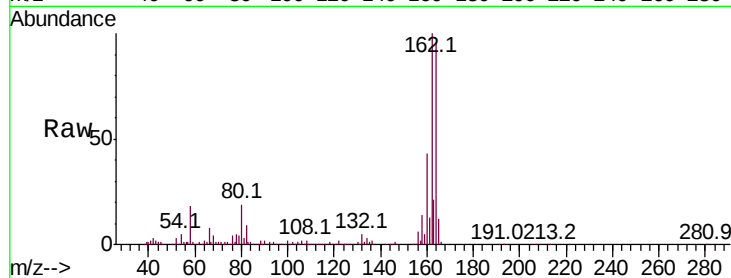
Ion Ratio Lower Upper

165 100

63 2.1 30.3 45.5#

89 2.1 53.4 80.2#

182 0.0 2.1 3.1#

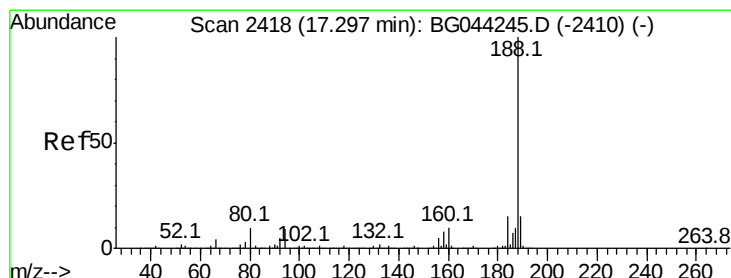
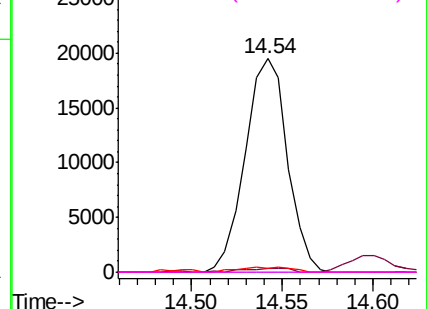
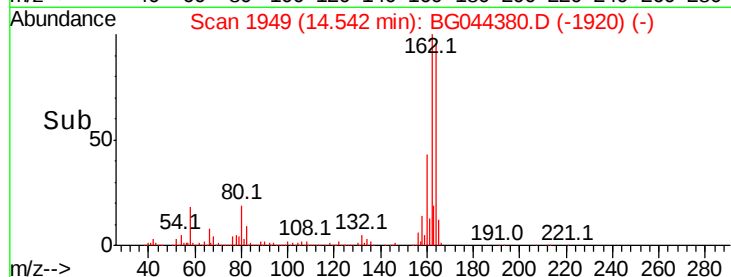


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.29 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

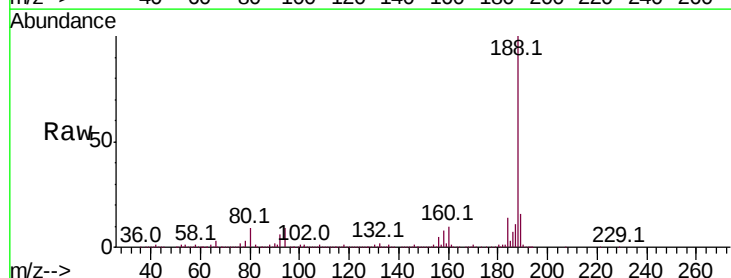
Tgt Ion:188 Resp: 502215

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

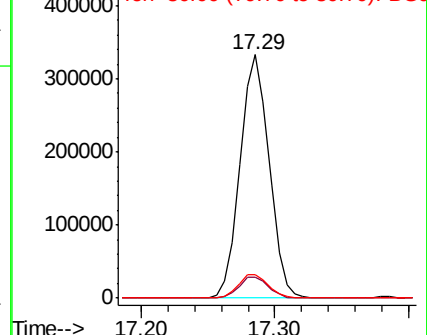
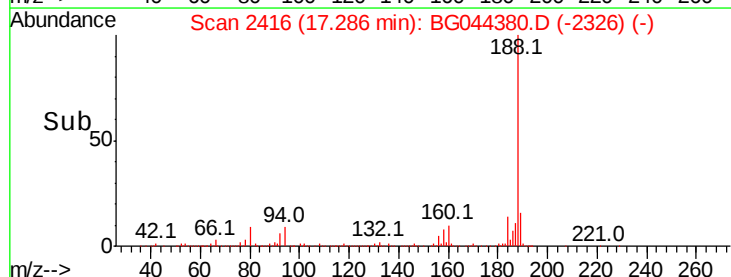
80 9.5 7.7 11.5

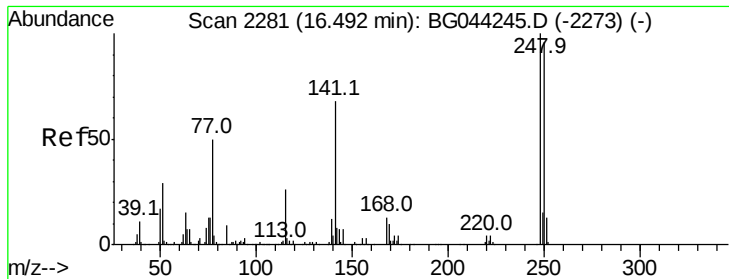


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 2.910 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.44 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Instrument :

BNA_G

ClientSampleId :

HP-640

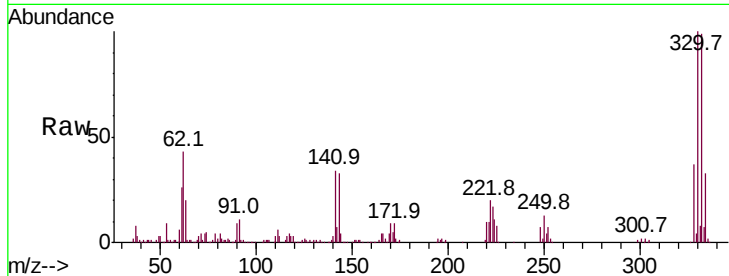
Tot Ion:248 Resp: 15925

Ion Ratio Lower Upper

248 100

250 192.7 76.6 114.8#

141 494.5 54.7 82.1#

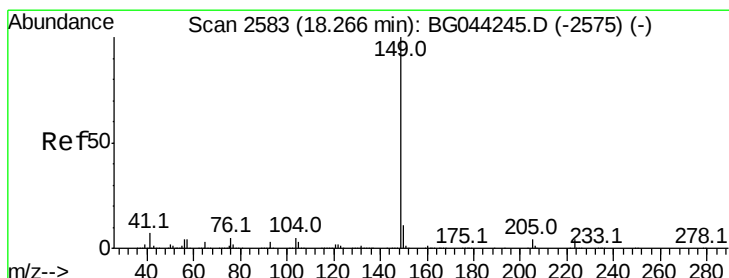
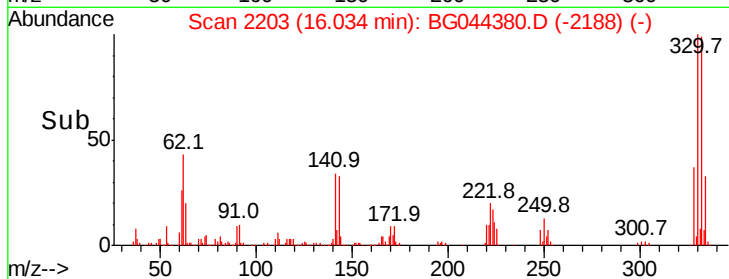
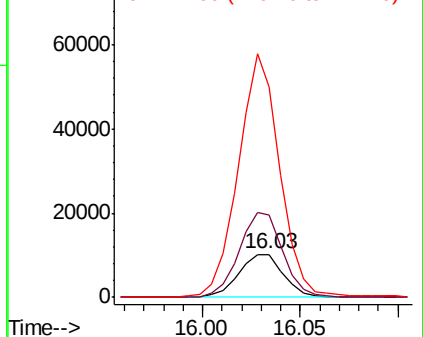


Abundance

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



#74

Di-n-butylphthalate

Concen: 9.483 ng

RT: 18.26 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

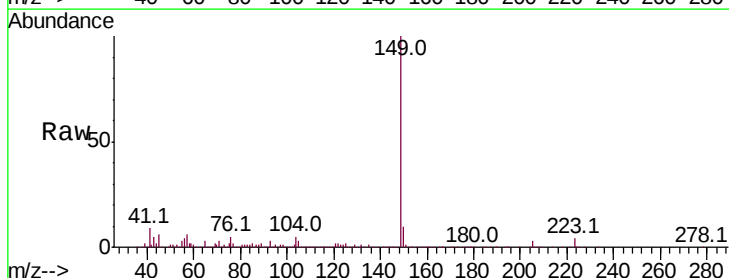
Tgt Ion:149 Resp: 259758

Ion Ratio Lower Upper

149 100

150 9.6 8.7 13.1

104 4.8 4.3 6.5

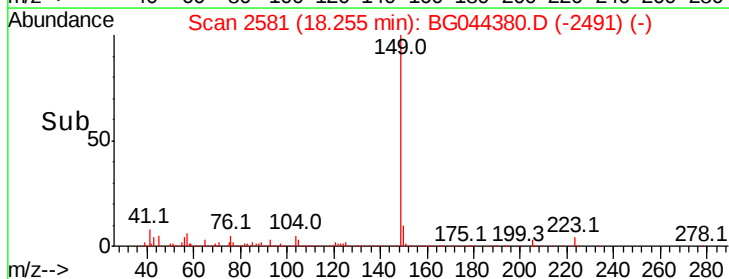
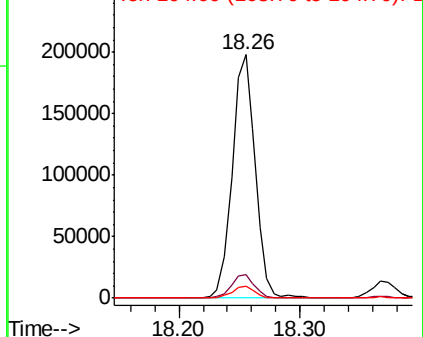


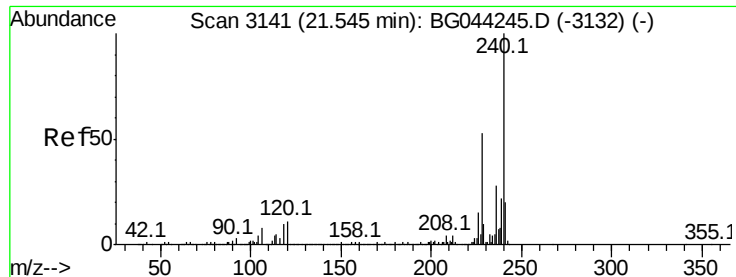
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

Instrument :

BNA_G

ClientSampleId :

HP-640

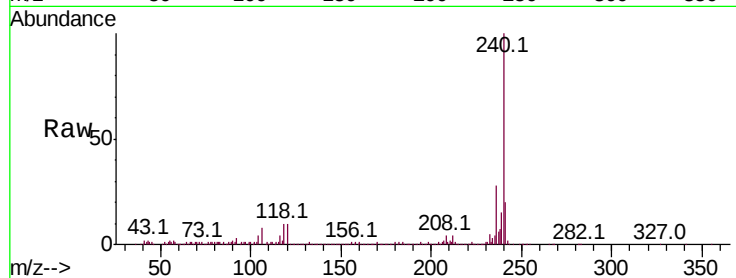
Tot Ion:240 Resp: 476237

Ion Ratio Lower Upper

240 100

120 10.3 8.4 12.6

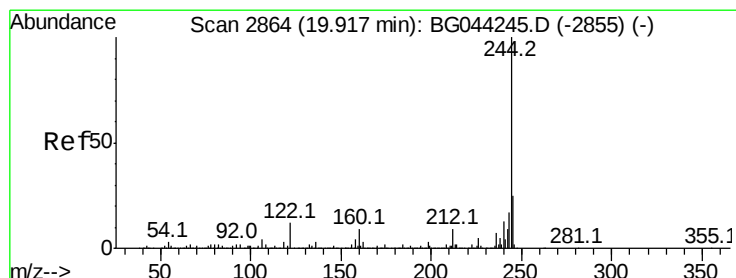
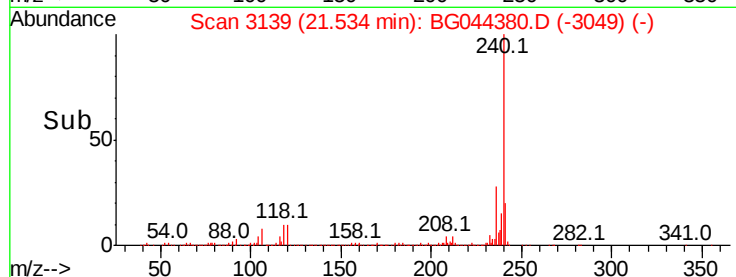
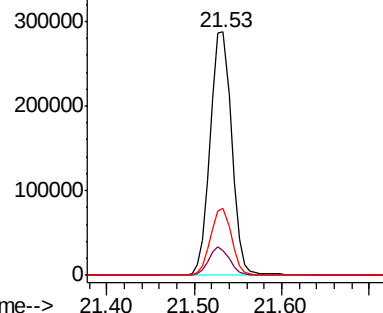
236 27.7 22.1 33.1



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



#79

Terphenyl-d14

Concen: 71.912 ng

RT: 19.91 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044380.D

Acq: 11 Feb 2020 8:27

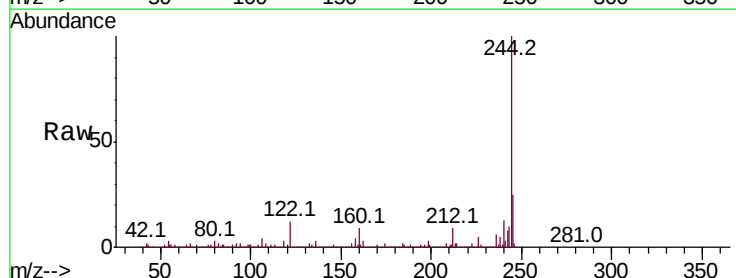
Tgt Ion:244 Resp: 1665014

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.2

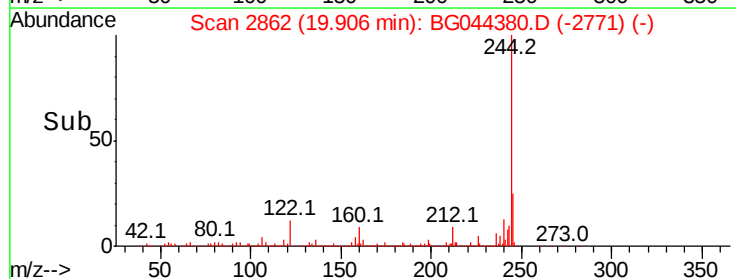
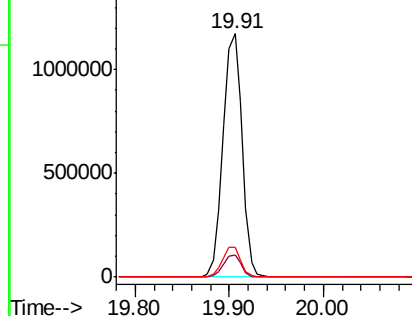
122 12.1 9.8 14.6

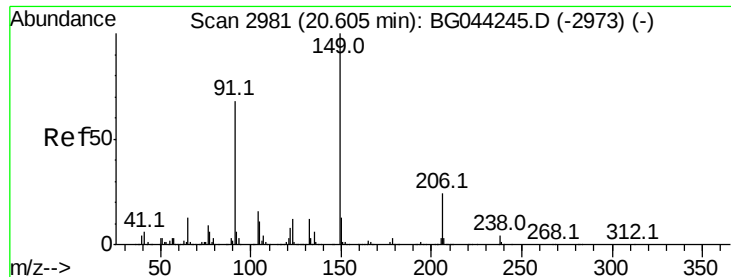


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

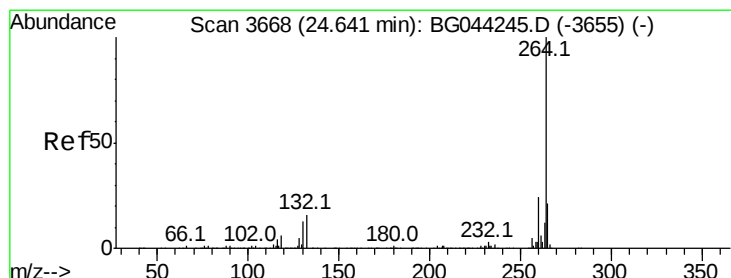
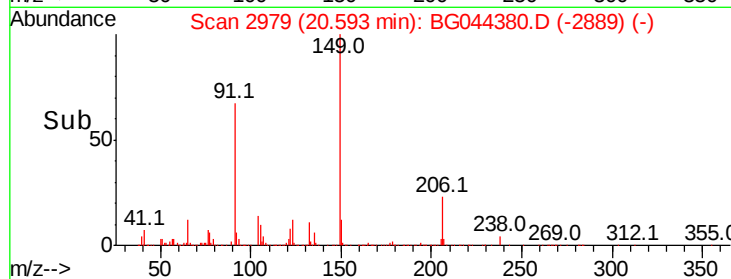
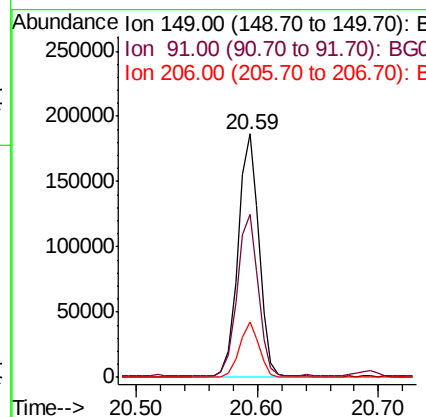
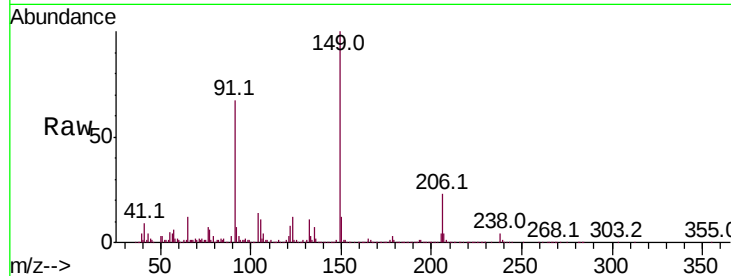




#80
 Butylbenzylphthalate
 Concen: 15.989 ng
 RT: 20.59 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: BG044380.D
 Acq: 11 Feb 2020 8:27

Instrument :
 BNA_G
 ClientSampleId :
 HP-640

Tot Ion:	149	Resp:	222845
Ion	Ratio	Lower	Upper
149	100		
91	67.1	54.5	81.7
206	22.6	19.1	28.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.61 min Scan# 3663
 Delta R.T. -0.01 min
 Lab File: BG044380.D
 Acq: 11 Feb 2020 8:27

Tgt Ion:	264	Resp:	500825
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	21.8	16.7	25.1

