

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110719\
 Data File : BG043560.D
 Acq On : 8 Nov 2019 5:10
 Operator : JU
 Sample : K5668-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-110619

Quant Time: Nov 08 05:46:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	28550	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	104762	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	74985	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	205142	20.00	ng	0.00
76) Chrysene-d12	21.65	240	217725	20.00	ng	0.00
87) Perylene-d12	24.85	264	249111	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	225065	144.46	ng	0.02
7) Phenol-d6	7.21	99	302757	135.06	ng	0.02
23) Nitrobenzene-d5	9.17	82	183322	90.21	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	207005	145.07	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	486128	89.58	ng	0.00
79) Terphenyl-d14	20.00	244	1128707	97.26	ng	0.00

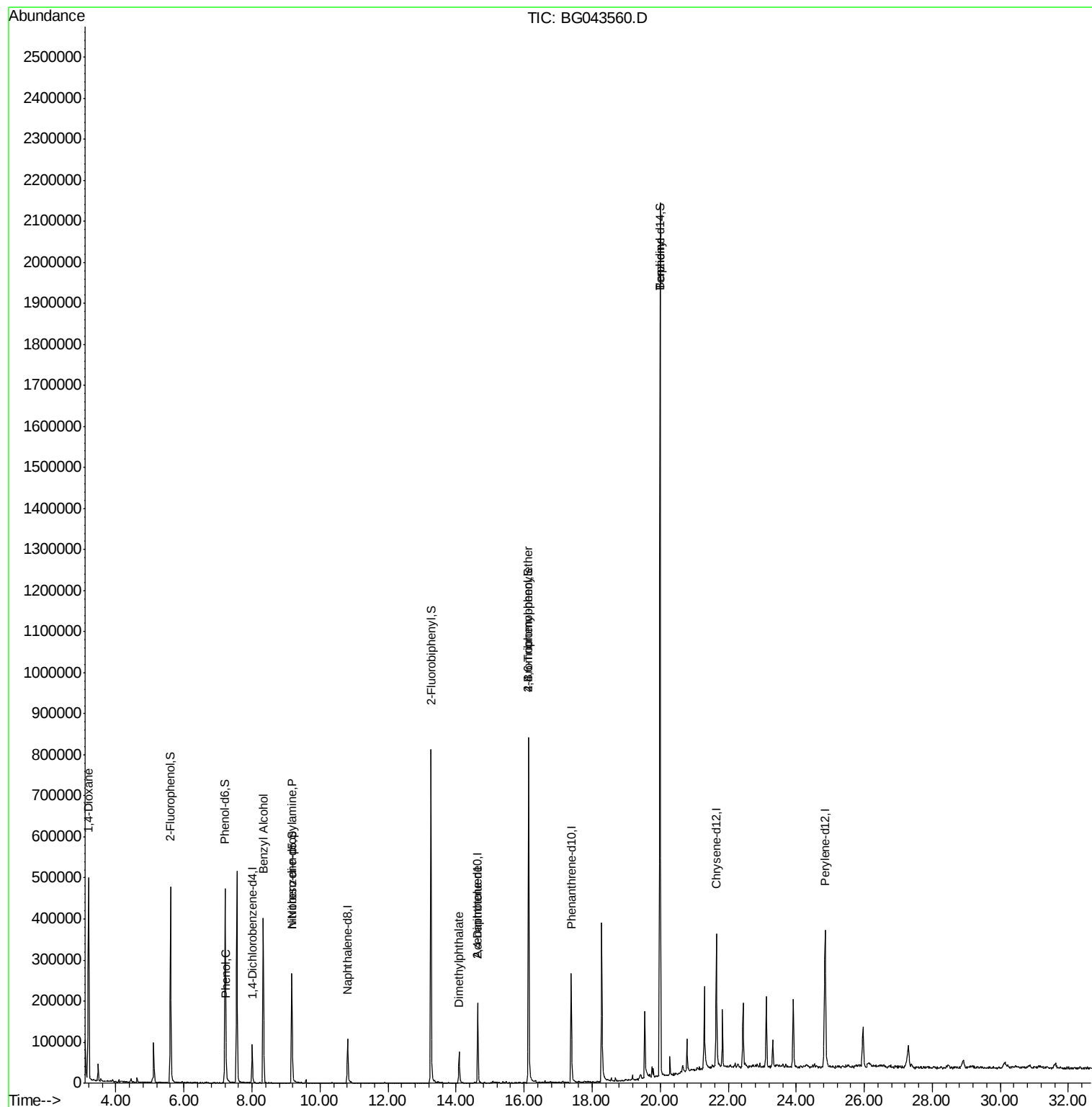
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	6220	10.245	ng	# 1
10) Phenol	7.24	94	14366	7.013	ng	# 96
15) Benzyl Alcohol	8.33	79	3735	2.372	ng	# 56
19) n-Nitroso-di-n-propylamine	9.17	70	24955	17.228	ng	# 79
50) Dimethylphthalate	14.09	163	61118	10.523	ng	# 99
57) 2,4-Dinitrotoluene	14.64	165	10157	5.633	ng	# 28
67) 4-Bromophenyl-phenylether	16.13	248	12984	4.703	ng	# 1
77) Benzidine	20.00	184	16354	3.732	ng	# 94

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

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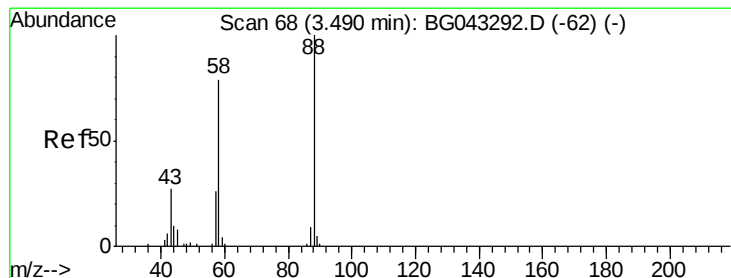
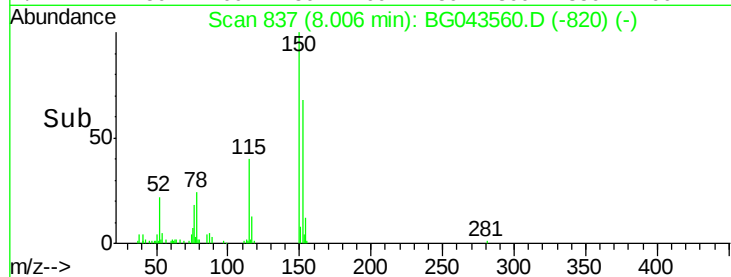
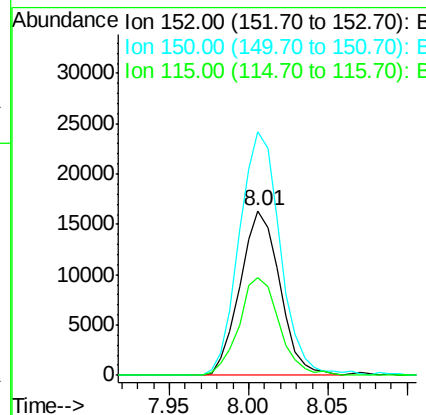
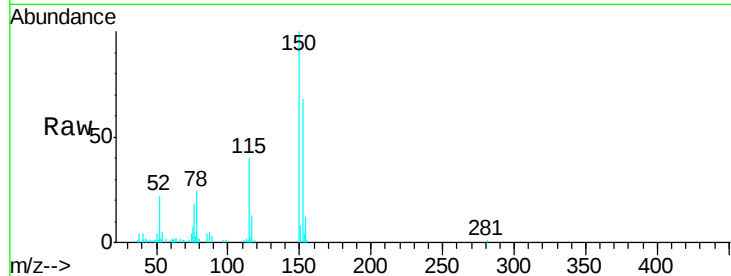


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043560.D
Acq: 8 Nov 2019 5:10

Instrument :
BNA_G
ClientSampleId :
HD-01-110619

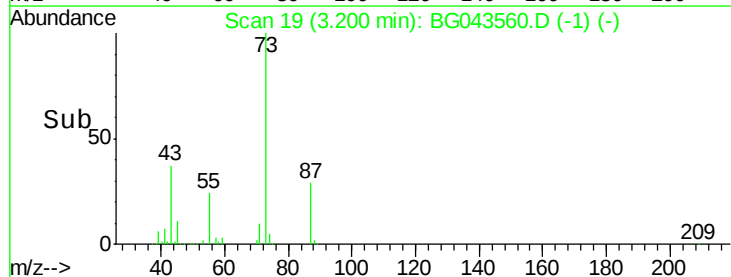
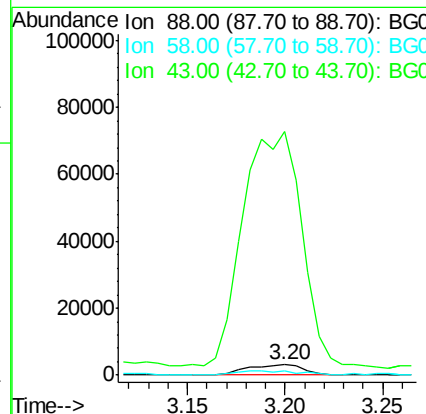
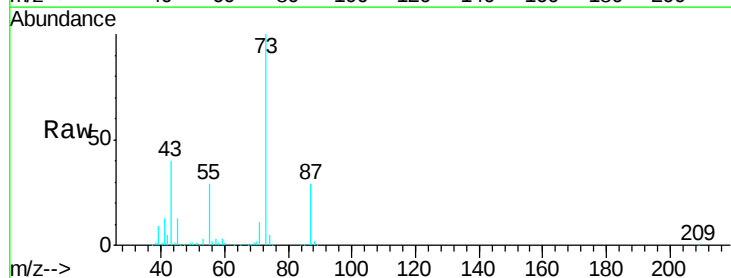
Tgt Ion:152 Resp: 28550
Ion Ratio Lower Upper
152 100
150 147.8 129.4 194.0
115 59.6 48.8 73.2

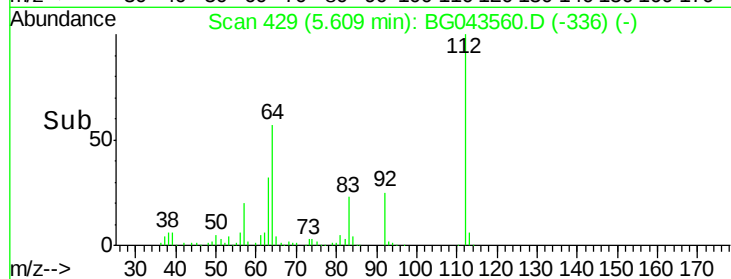
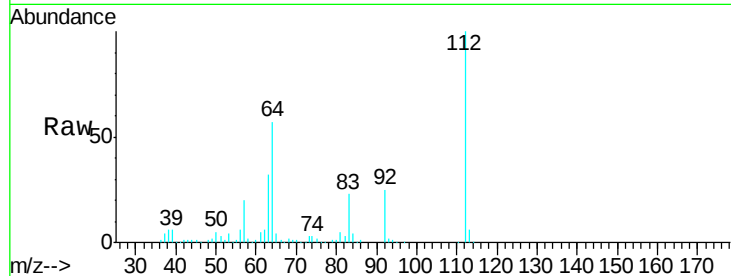
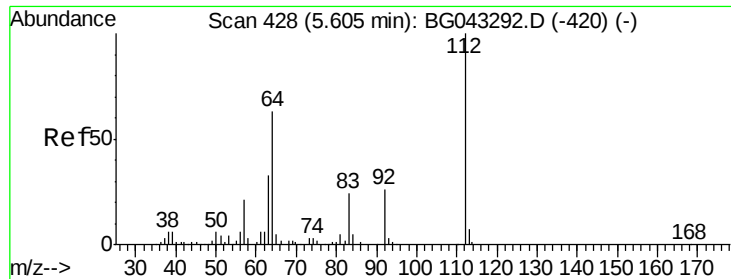


#2

1,4-Dioxane
Concen: 10.245 ng
RT: 3.20 min Scan# 19
Delta R.T. -0.27 min
Lab File: BG043560.D
Acq: 8 Nov 2019 5:10

Tgt Ion: 88 Resp: 6220
Ion Ratio Lower Upper
88 100
58 54.7 62.7 94.1#
43 2383.8 23.7 35.5#





#5

2-Fluorophenol

Concen: 144.455 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.02 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

Instrument :

BNA_G

ClientSampleId :

HD-01-110619

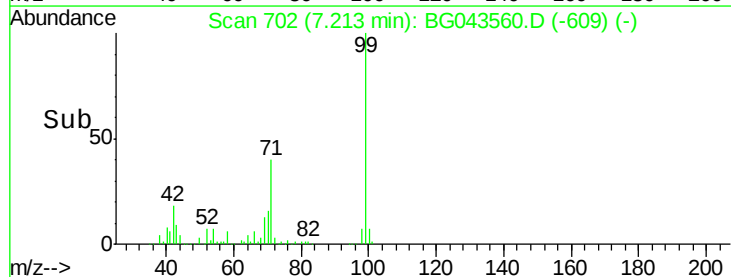
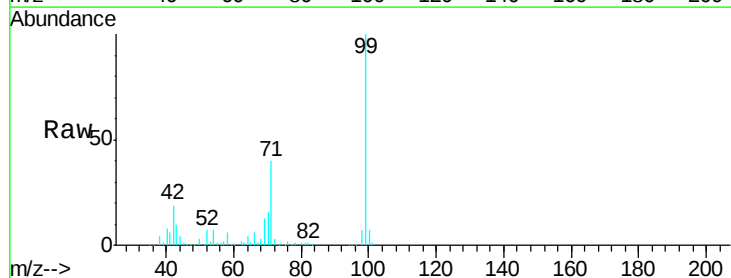
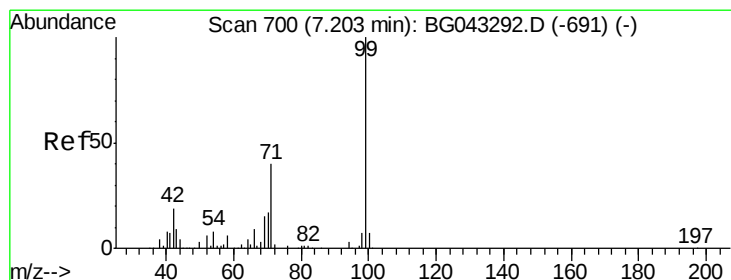
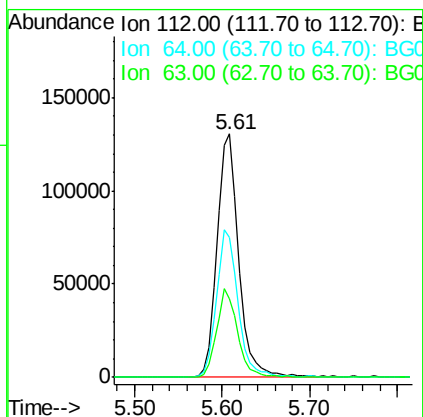
Tgt Ion: 112 Resp: 225065

Ion Ratio Lower Upper

112 100

64 57.3 50.0 75.0

63 32.2 26.6 40.0



#7

Phenol-d6

Concen: 135.061 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.02 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

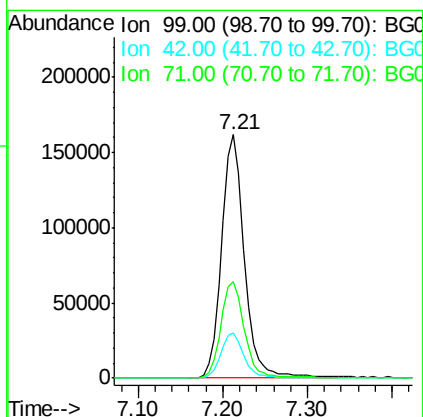
Tgt Ion: 99 Resp: 302757

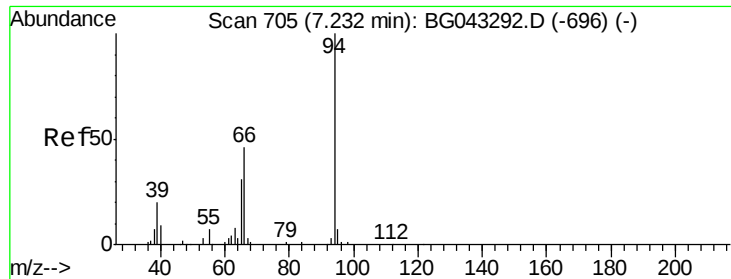
Ion Ratio Lower Upper

99 100

42 18.5 14.6 21.8

71 39.7 32.5 48.7





#10

Phenol

Concen: 7.013 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.02 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

Instrument :

BNA_G

ClientSampleId :

HD-01-110619

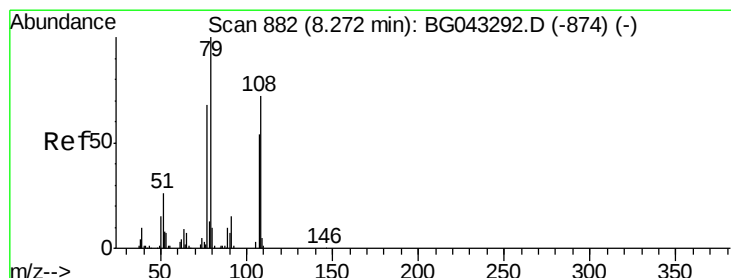
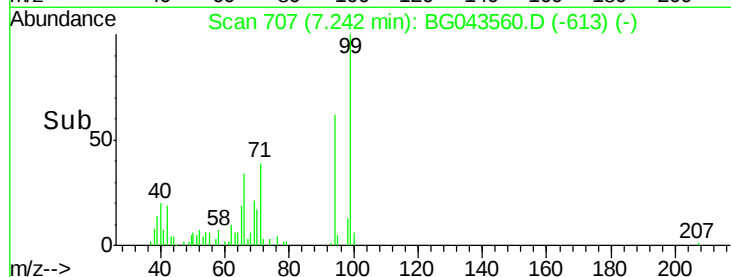
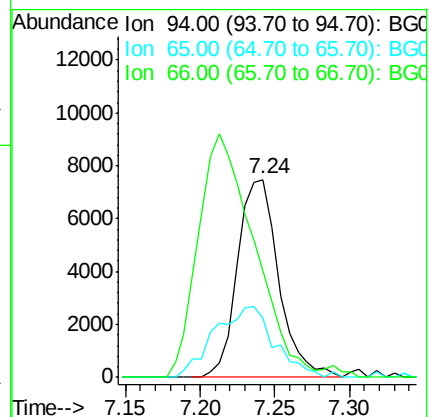
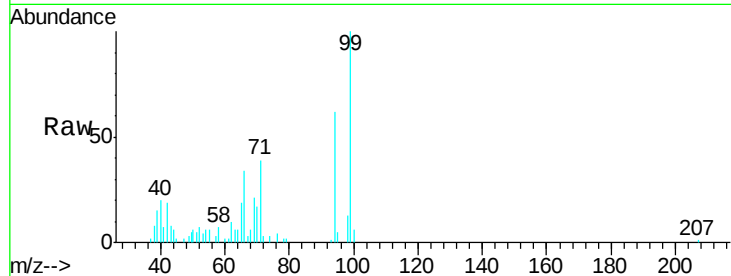
Tgt Ion: 94 Resp: 14366

Ion Ratio Lower Upper

94 100

65 30.0 12.6 52.6

66 53.7 30.7 70.7



#15

Benzyl Alcohol

Concen: 2.372 ng

RT: 8.33 min Scan# 893

Delta R.T. 0.08 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

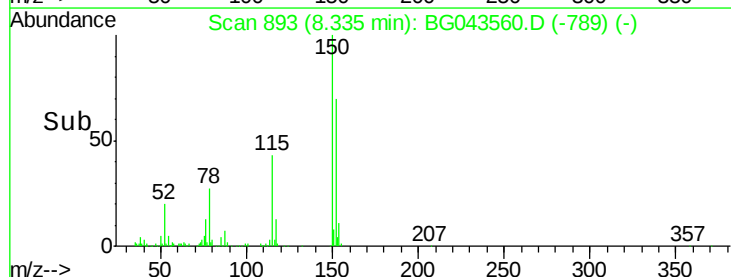
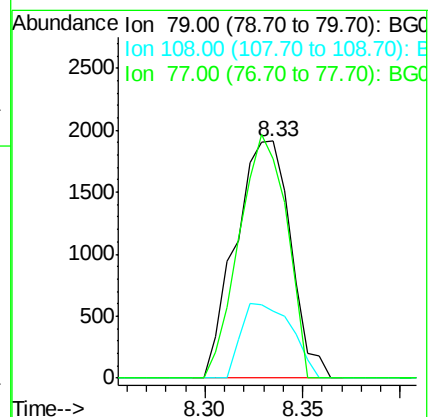
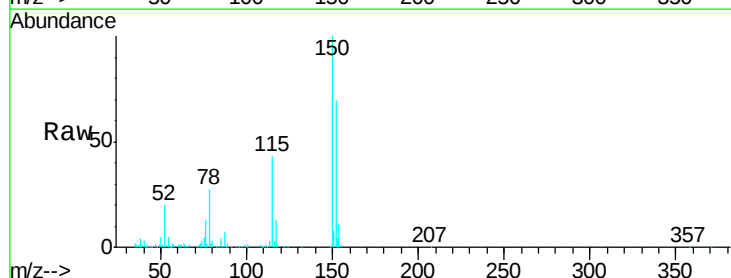
Tgt Ion: 79 Resp: 3735

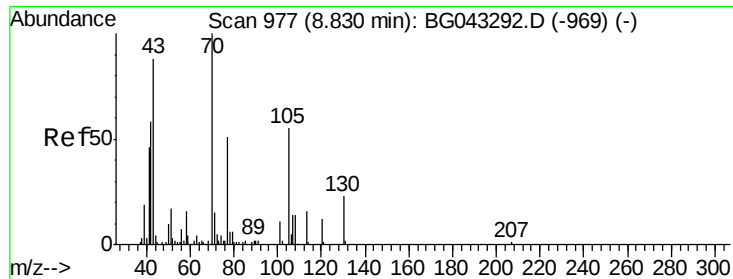
Ion Ratio Lower Upper

79 100

108 28.5 53.6 80.4#

77 92.4 49.6 74.4#

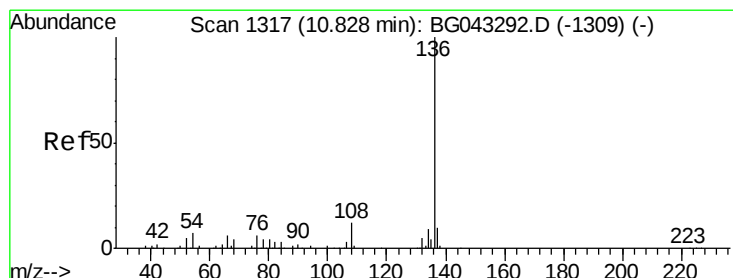
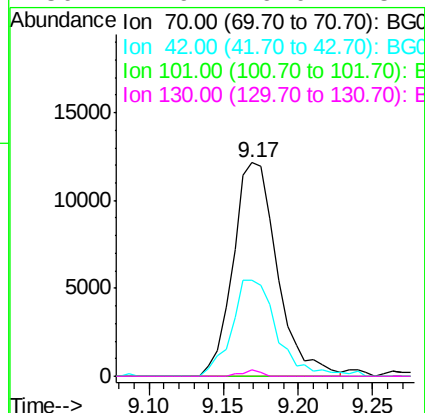
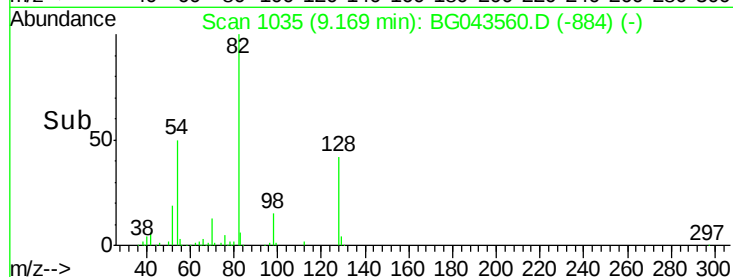
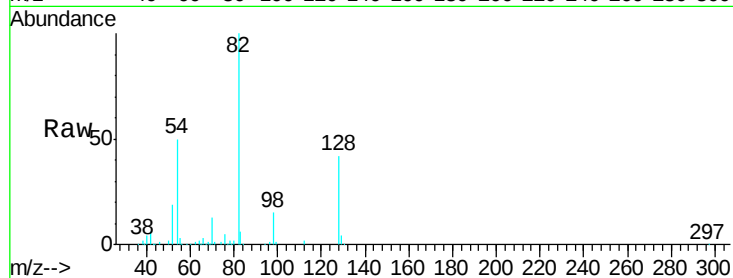




#19
n-Nitroso-di-n-propylamine
Concen: 17.228 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG043560.D
Acq: 8 Nov 2019 5:10

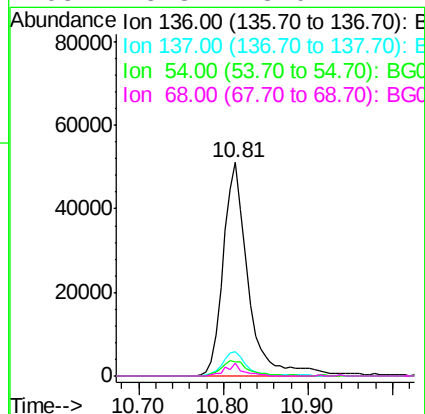
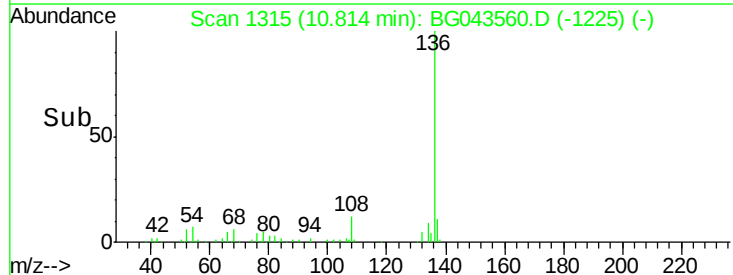
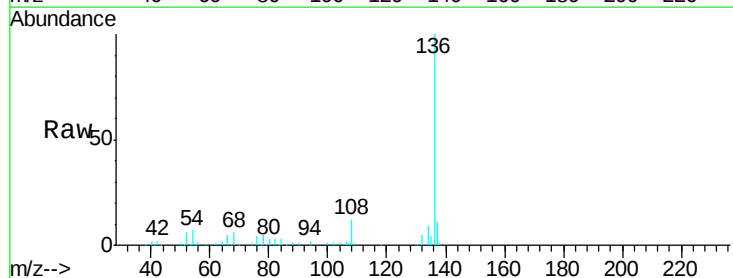
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HD-01-110619

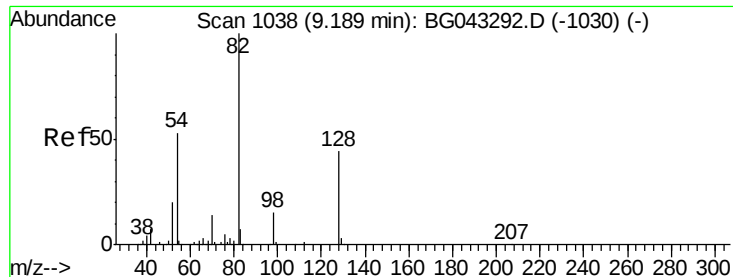
Tgt Ion: 70 Resp: 24955
Ion Ratio Lower Upper
70 100
42 44.7 41.4 62.2
101 0.0 7.9 11.9#
130 2.9 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043560.D
Acq: 8 Nov 2019 5:10

Tgt Ion: 136 Resp: 104762
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 6.5 5.4 8.2
68 5.8 3.0 4.4#

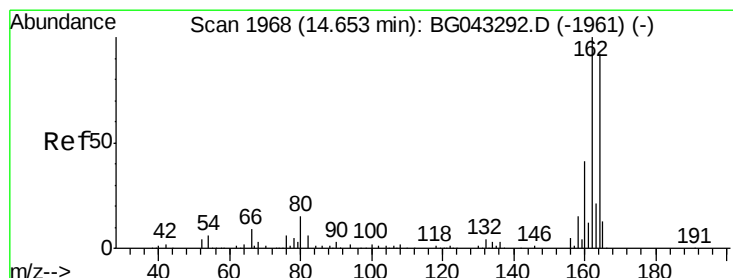
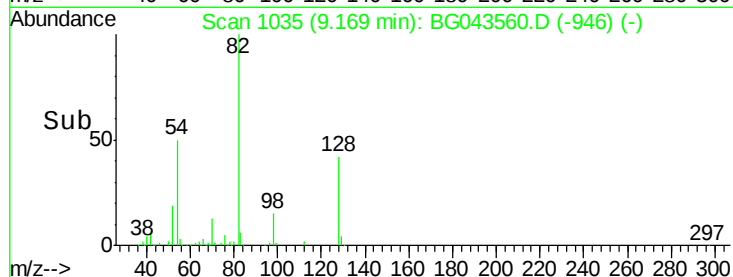
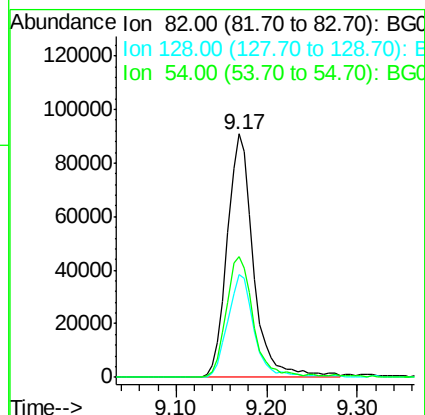
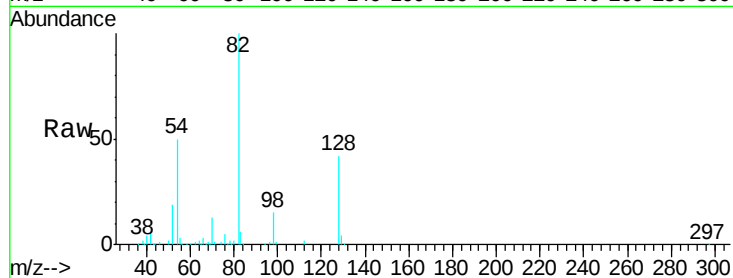




#23
 Nitrobenzene-d5
 Concen: 90.215 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG043560.D
 Acq: 8 Nov 2019 5:10

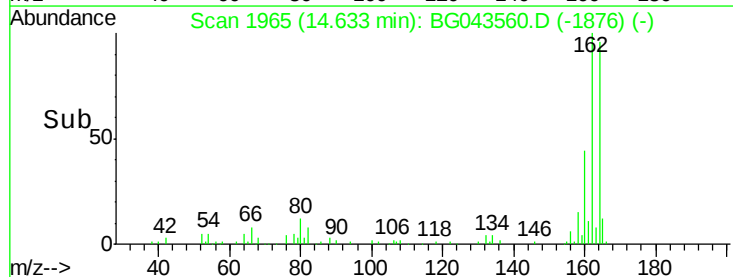
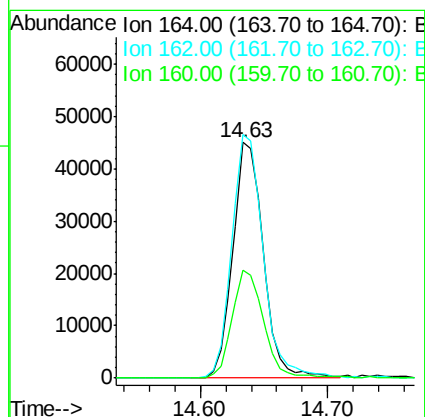
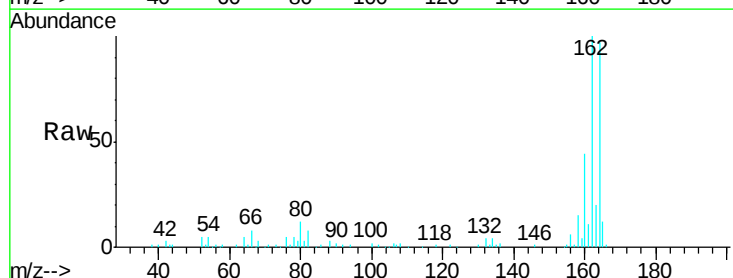
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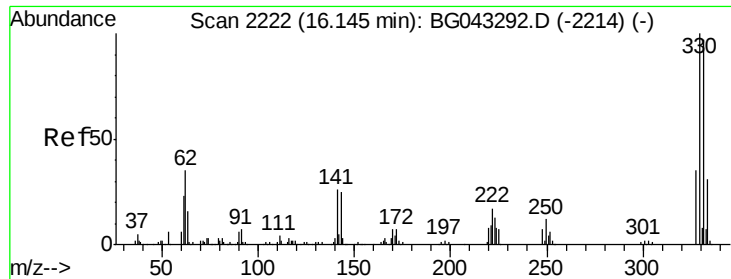
Tgt Ion: 82 Resp: 183322
 Ion Ratio Lower Upper
 82 100
 128 42.4 35.0 52.6
 54 49.9 40.2 60.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: BG043560.D
 Acq: 8 Nov 2019 5:10

Tgt Ion: 164 Resp: 74985
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.5 125.3
 160 45.5 36.5 54.7

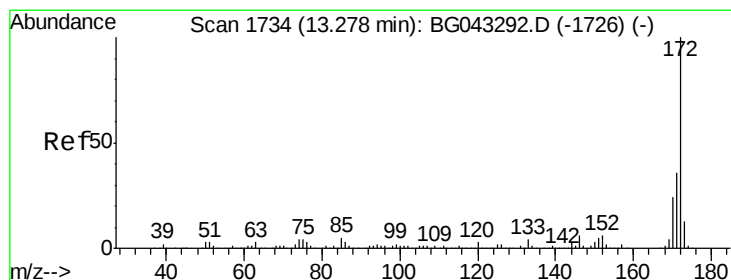
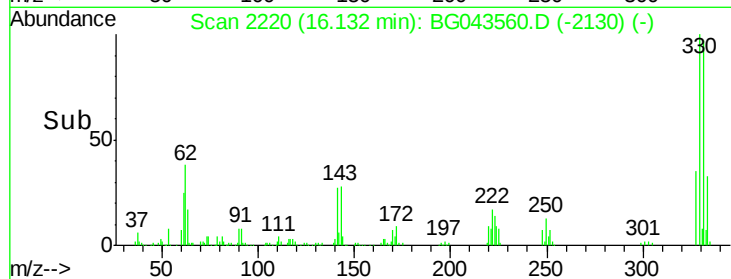
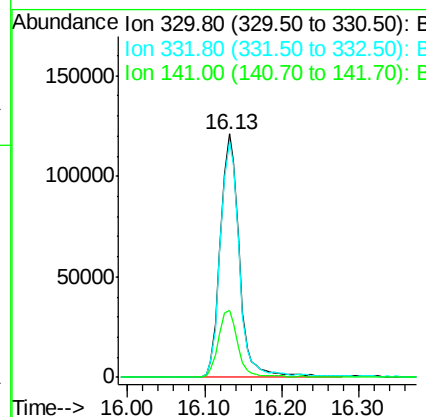
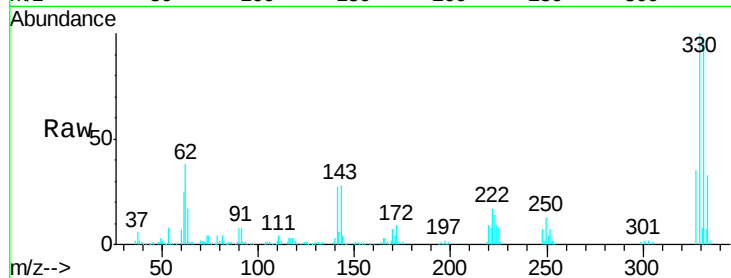




#42
 2,4,6-Tribromophenol
 Concen: 145.066 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043560.D
 Acq: 8 Nov 2019 5:10

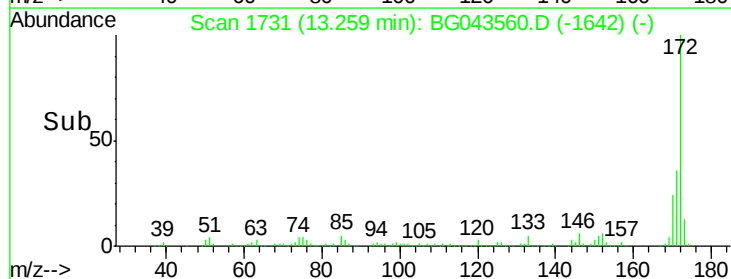
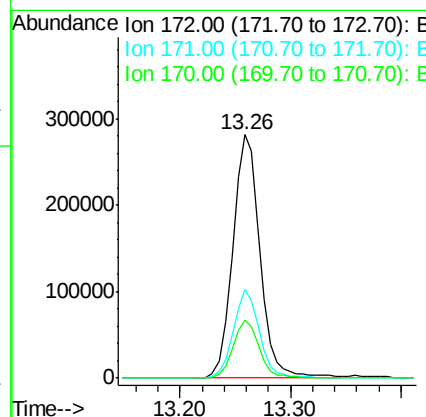
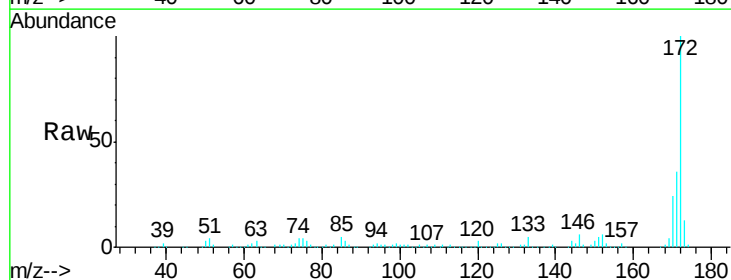
Instrument :
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 HD-01-110619

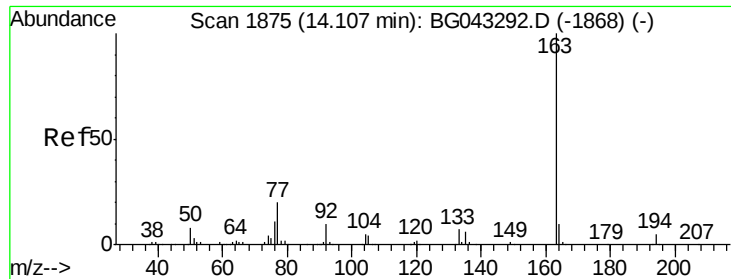
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	27.6	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 89.582 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG043560.D
 Acq: 8 Nov 2019 5:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.8	18.5	27.7





#50

Dimethylphthalate

Concen: 10.523 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

Instrument :

BNA_G

ClientSampleId :

HD-01-110619

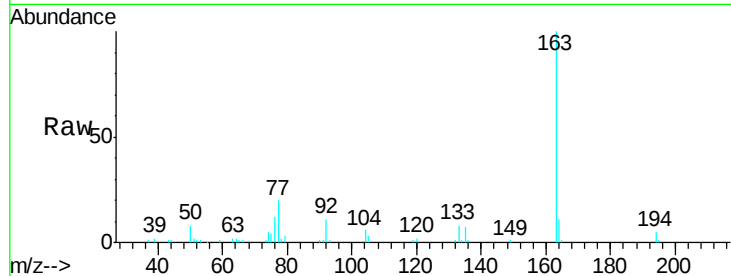
Tgt Ion:163 Resp: 61118

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.6

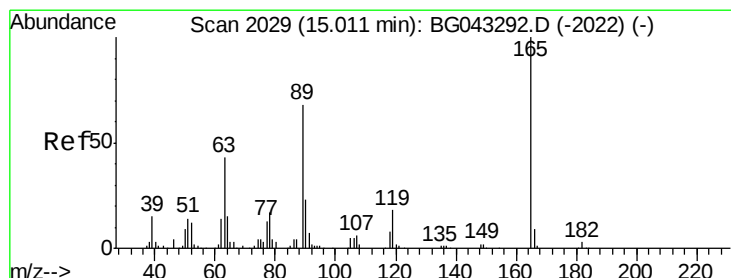
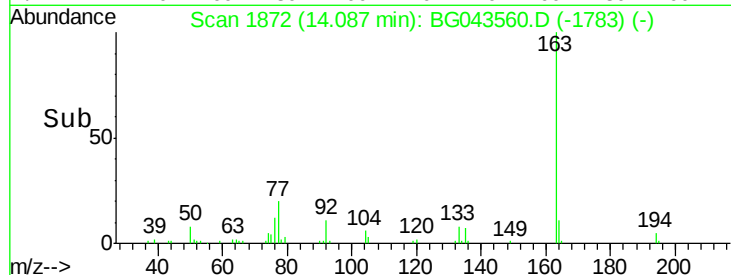
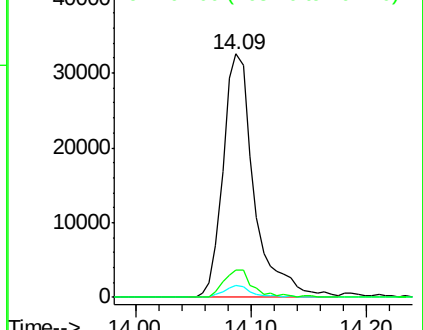
164 11.2 8.9 13.3



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



#57

2,4-Dinitrotoluene

Concen: 5.633 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.37 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

Tgt Ion:165 Resp: 10157

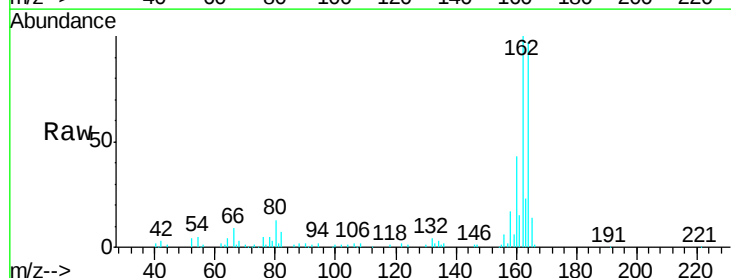
Ion Ratio Lower Upper

165 100

63 4.3 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

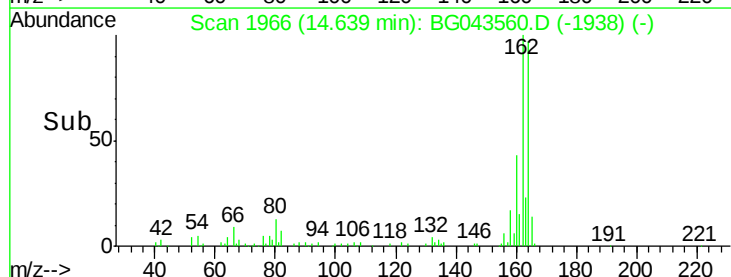
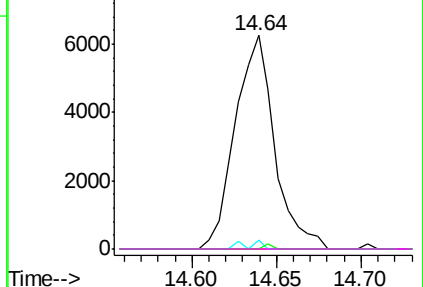


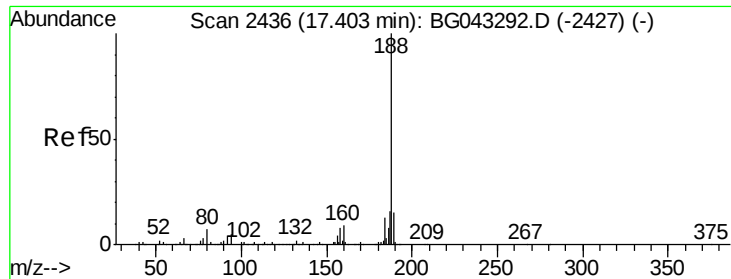
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

Instrument :

BNA_G

ClientSampleId :

HD-01-110619

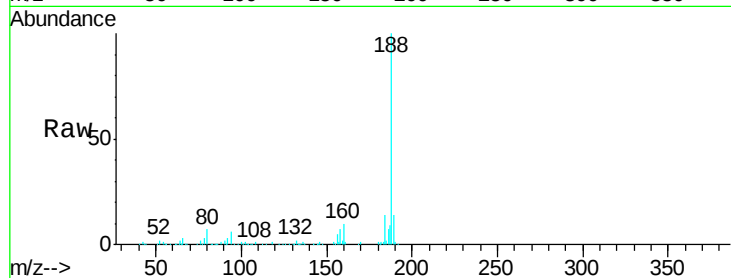
Tgt Ion:188 Resp: 205142

Ion Ratio Lower Upper

188 100

94 5.9 4.2 6.4

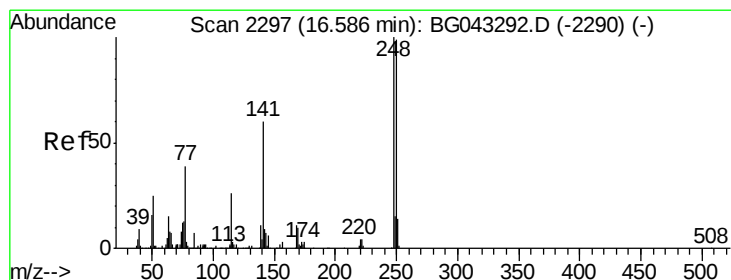
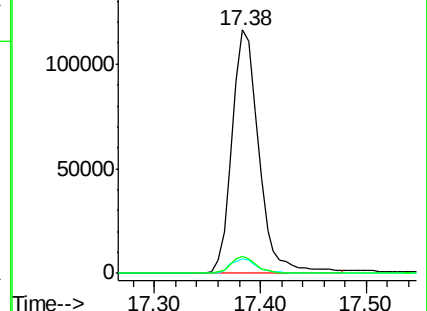
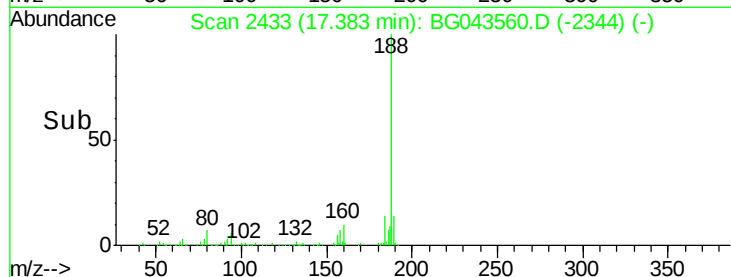
80 7.1 4.5 6.7#



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: 4.703 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.44 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

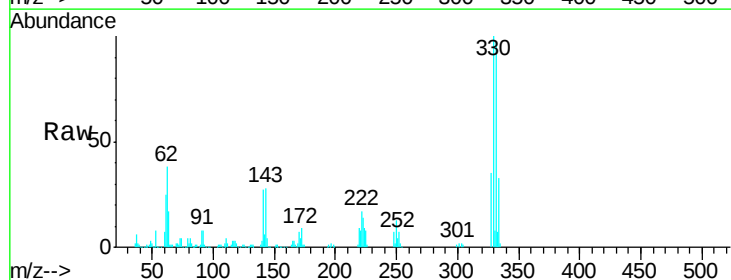
Tgt Ion:248 Resp: 12984

Ion Ratio Lower Upper

248 100

250 197.5 77.0 115.4#

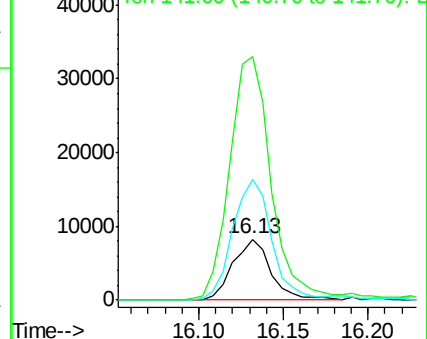
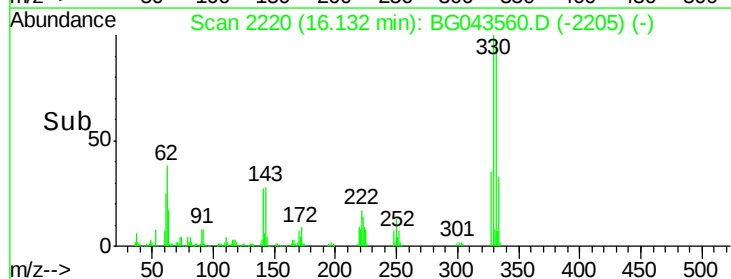
141 399.0 47.5 71.3#

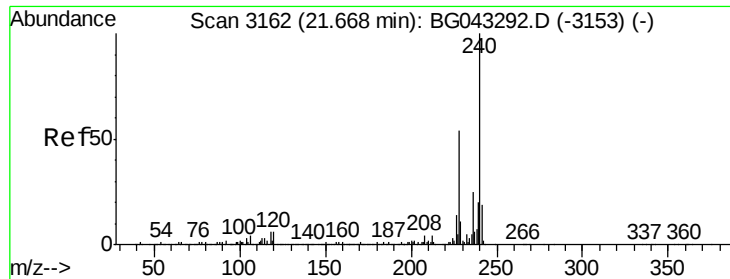


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

Instrument :

BNA_G

ClientSampleId :

HD-01-110619

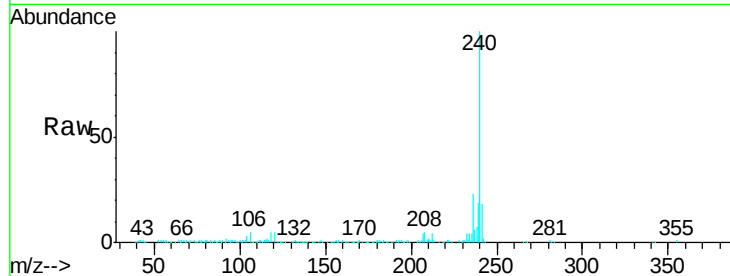
Tgt Ion:240 Resp: 217725

Ion Ratio Lower Upper

240 100

120 5.2 4.6 6.8

236 23.2 19.8 29.8



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

150000

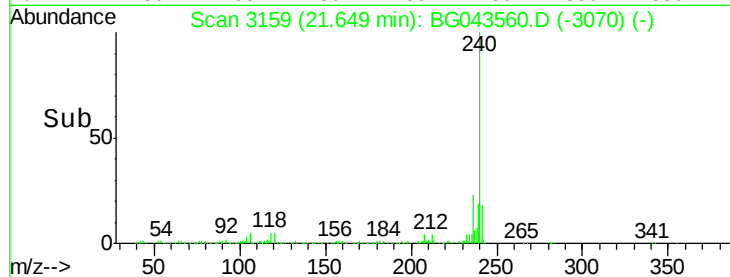
100000

50000

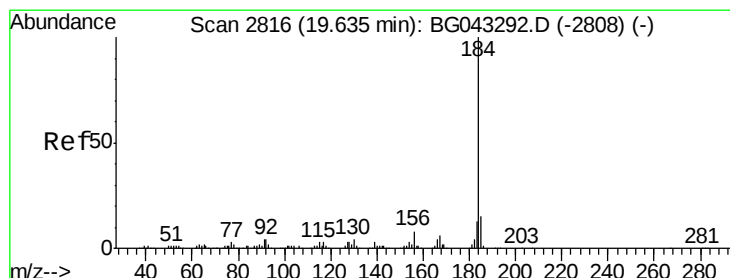
0

21.65

21.50 21.60 21.70 21.80



Time-->



#77

Benzidine

Concen: 3.732 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043560.D

Acq: 8 Nov 2019 5:10

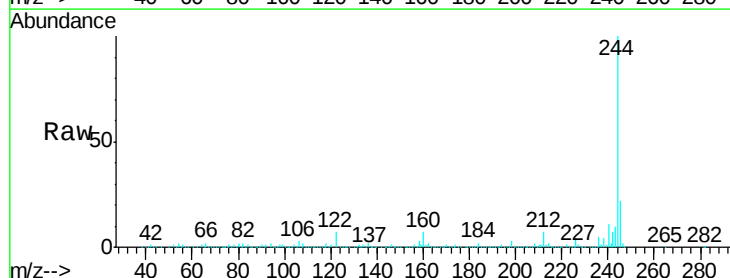
Tgt Ion:184 Resp: 16354

Ion Ratio Lower Upper

184 100

185 16.7 11.0 16.4#

183 11.0 10.0 15.0



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

15000

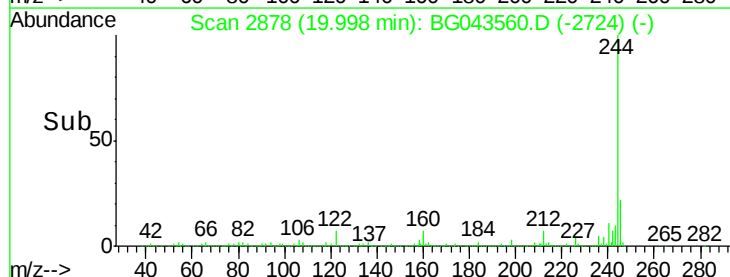
10000

5000

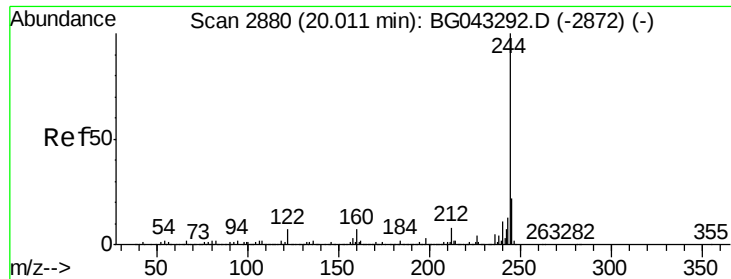
0

20.00

19.95 20.00 20.05



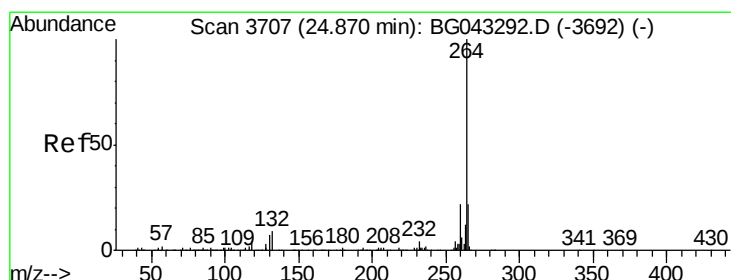
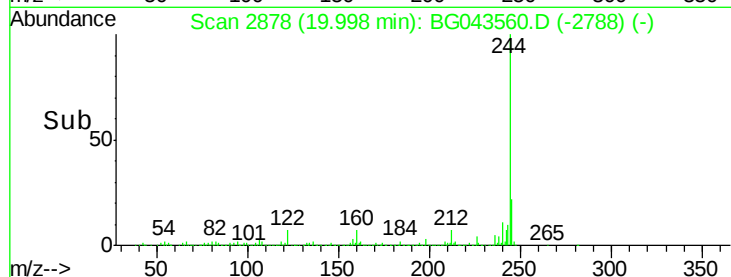
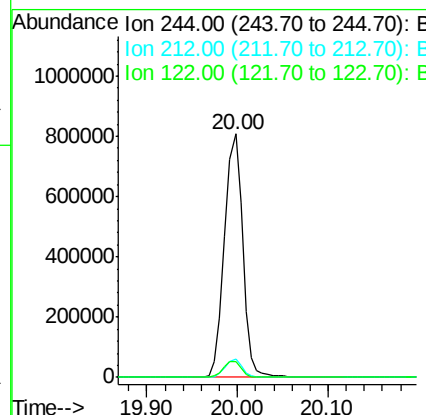
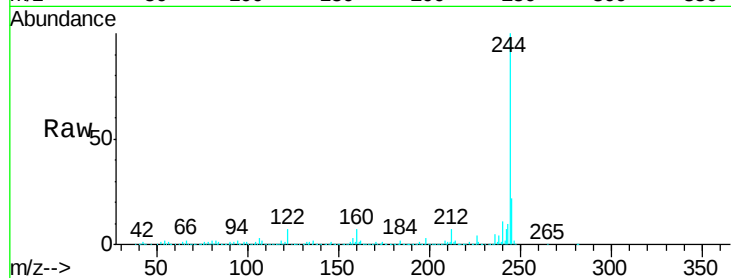
Time-->



#79
 Terphenyl-d14
 Concen: 97.257 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG043560.D
 Acq: 8 Nov 2019 5:10

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-110619

Tgt Ion:244 Resp: 1128707
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 6.7 5.4 8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BG043560.D
 Acq: 8 Nov 2019 5:10

Tgt Ion:264 Resp: 249111
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.5 26.3
 265 21.9 17.4 26.0

