

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\
 Data File : BG043358.D
 Acq On : 28 Oct 2019 20:13
 Operator : JU
 Sample : K5501-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 13:18:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

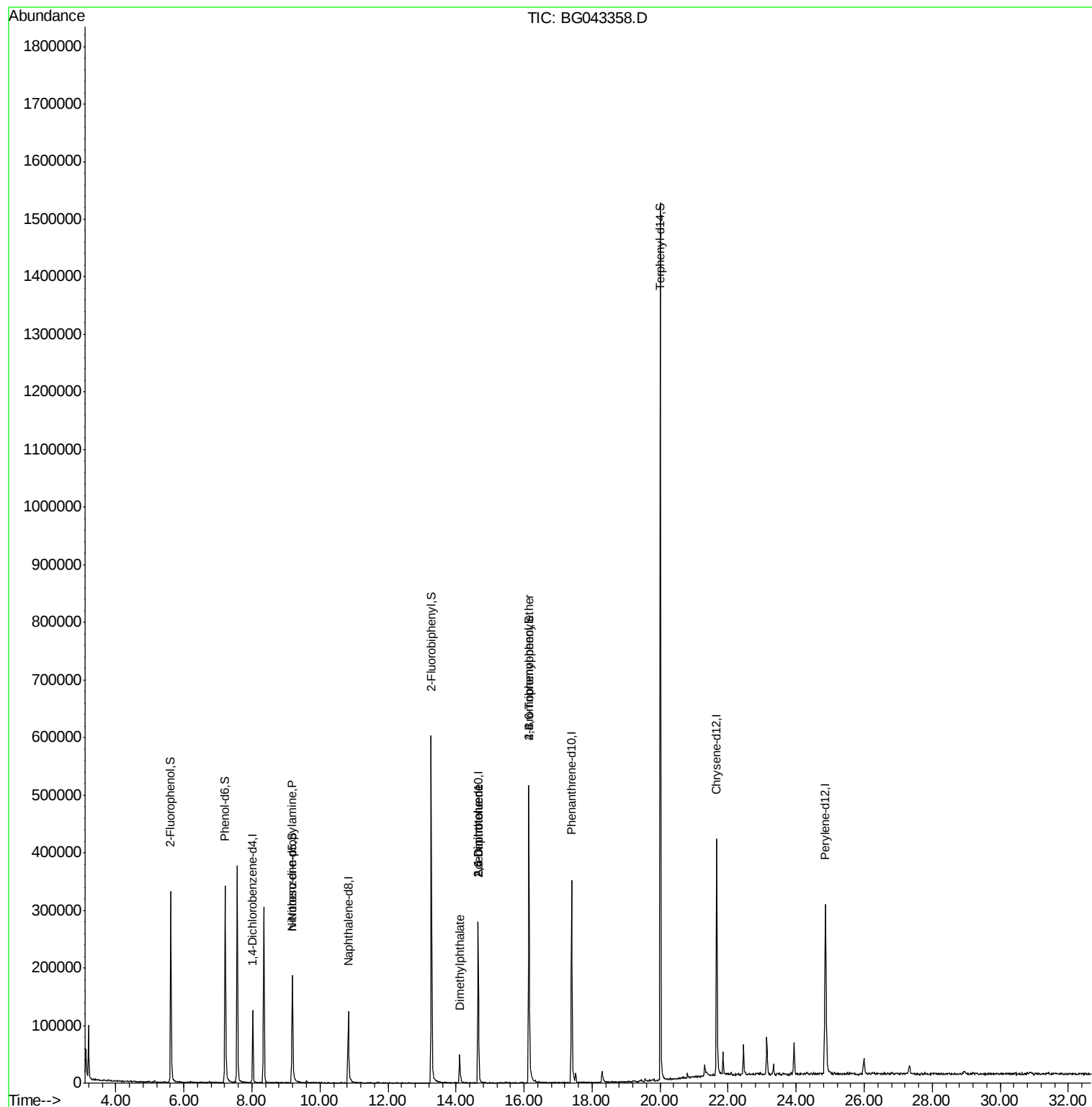
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	37784	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	140653	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	107900	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	262038	20.00	ng	0.00
76) Chrysene-d12	21.66	240	299395	20.00	ng	0.00
87) Perylene-d12	24.86	264	345796	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	160824	78.00	ng	0.01
7) Phenol-d6	7.21	99	227125	76.56	ng	0.01
23) Nitrobenzene-d5	9.19	82	136518	50.04	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	145755	70.98	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	386717	49.52	ng	0.00
79) Terphenyl-d14	20.00	244	822796	51.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	18301	9.547	ng	# 77
50) Dimethylphthalate	14.10	163	52125	6.237	ng	# 96
51) 2,6-Dinitrotoluene	14.65	165	15087	8.309	ng	# 25
57) 2,4-Dinitrotoluene	14.65	165	15087	5.814	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	9062	2.570	ng	# 1

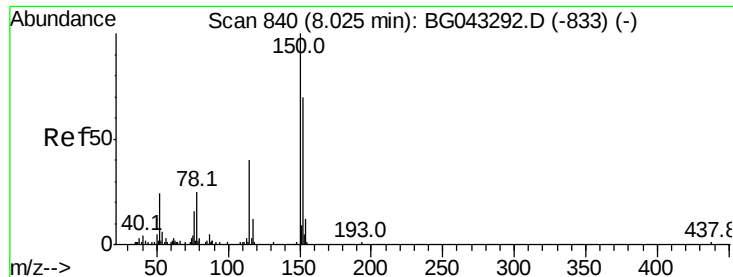
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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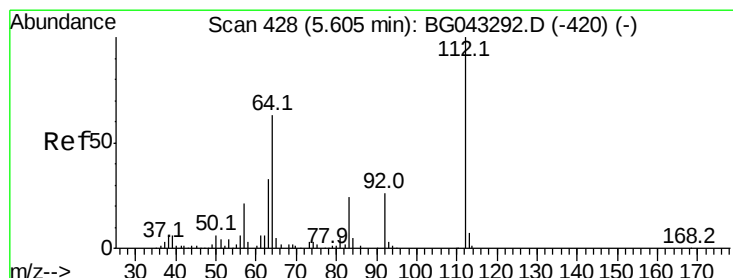
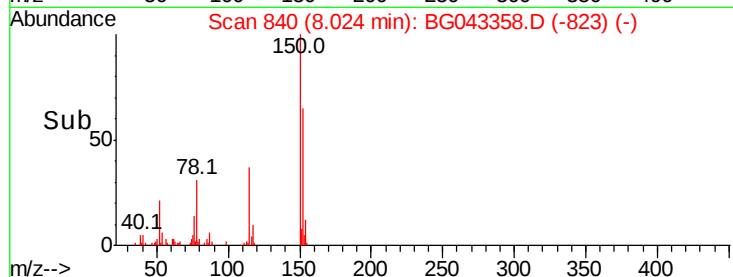
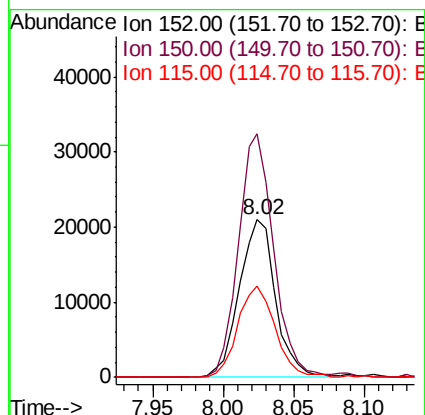
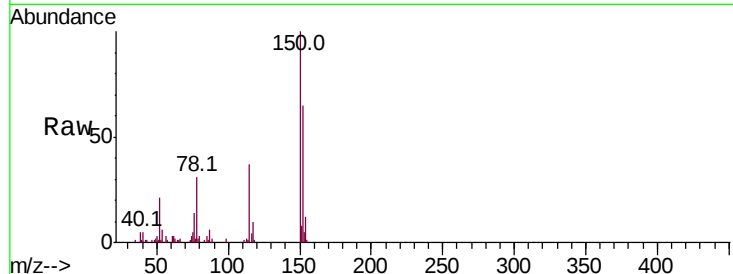


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043358.D
Acq: 28 Oct 2019 20:13

Instrument :
BNA_G
ClientSampleId :

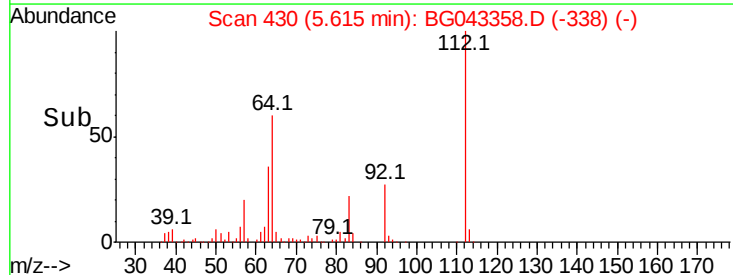
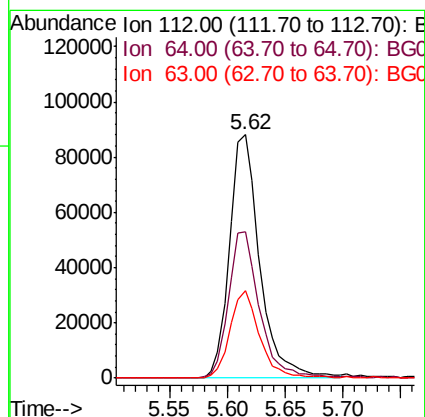
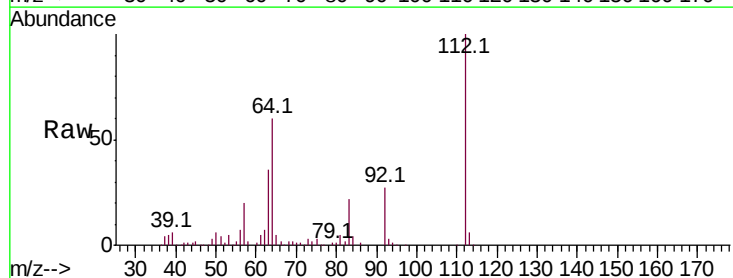
Tot Ion:152 Resp: 37784
Ion Ratio Lower Upper
152 100
150 154.5 113.6 170.4
115 57.9 45.9 68.9

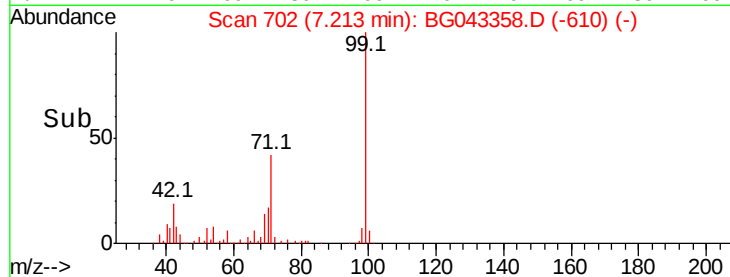
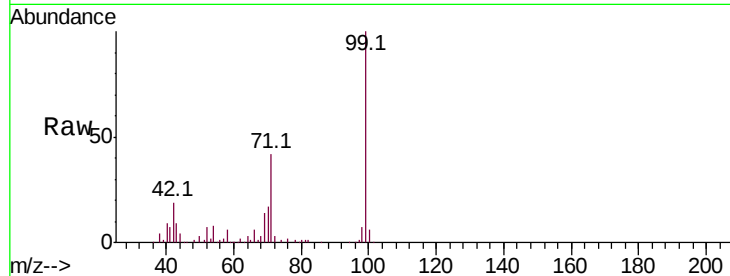
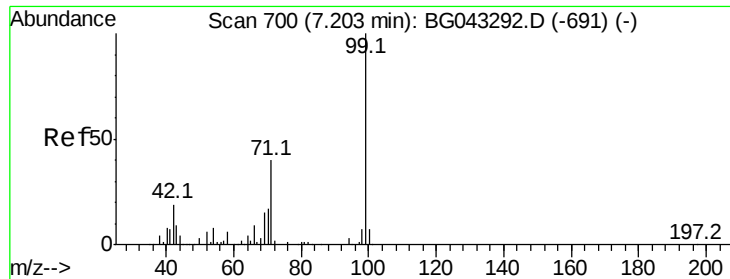


#5

2-Fluorophenol
Concen: 77.996 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043358.D
Acq: 28 Oct 2019 20:13

Tgt Ion:112 Resp: 160824
Ion Ratio Lower Upper
112 100
64 59.9 50.2 75.2
63 36.1 26.7 40.1





#7

Phenol-d6

Concen: 76.559 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Instrument :

BNA_G

ClientSampleId :

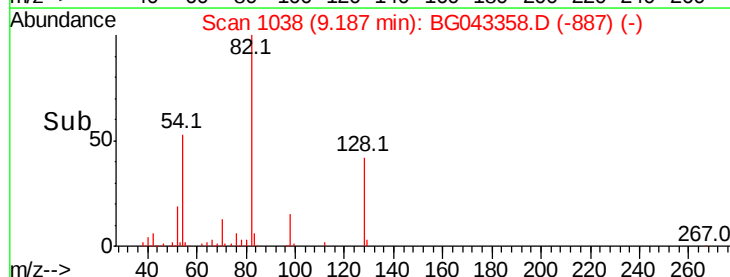
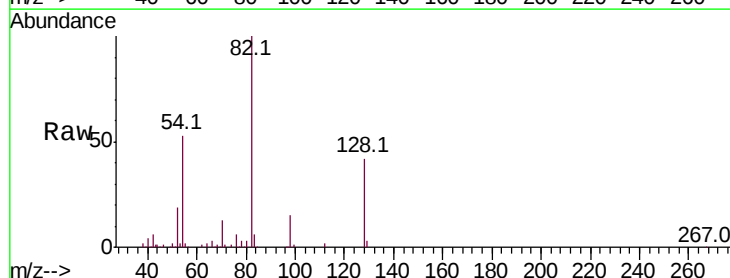
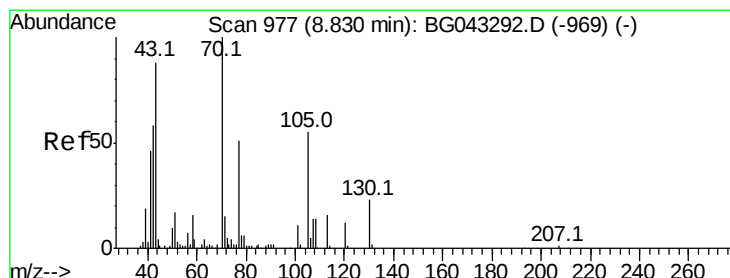
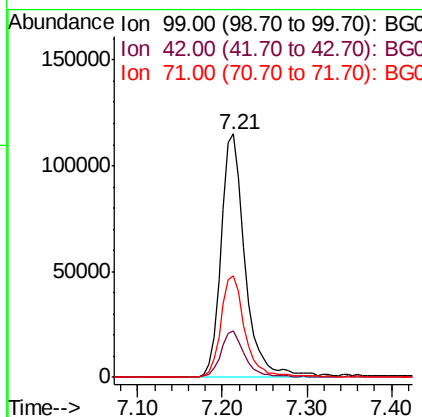
Tot Ion: 99 Resp: 227125

Ion Ratio Lower Upper

99 100

42 19.0 14.9 22.3

71 41.5 32.2 48.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.547 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Tgt Ion: 70 Resp: 18301

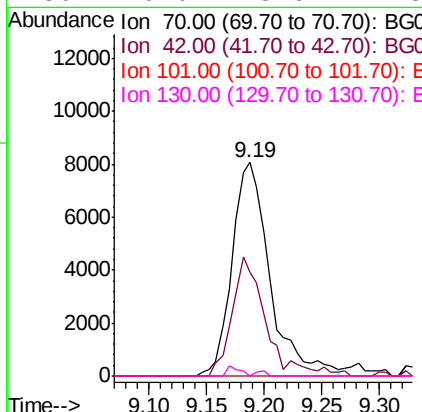
Ion Ratio Lower Upper

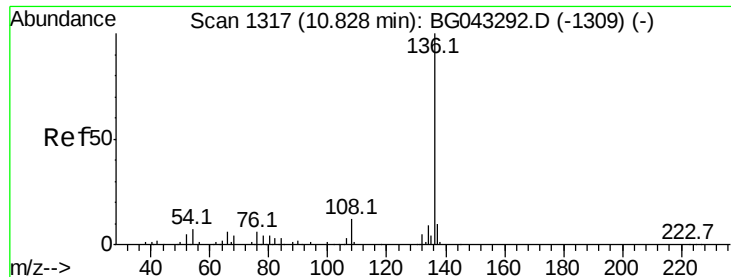
70 100

42 48.8 46.2 69.2

101 0.0 8.6 13.0#

130 0.0 18.6 27.8#

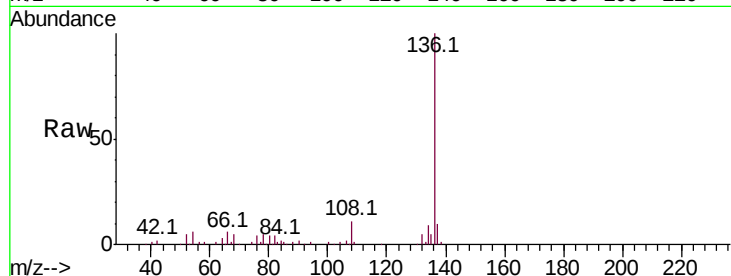




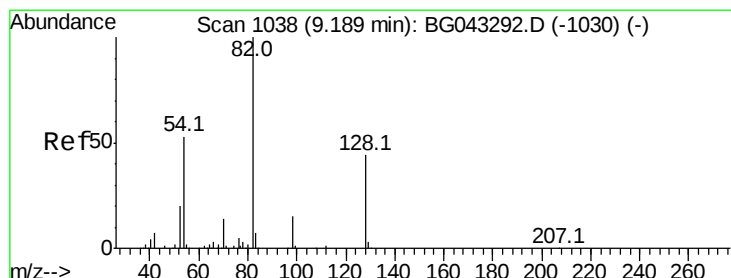
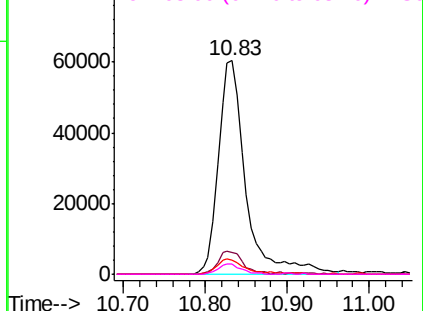
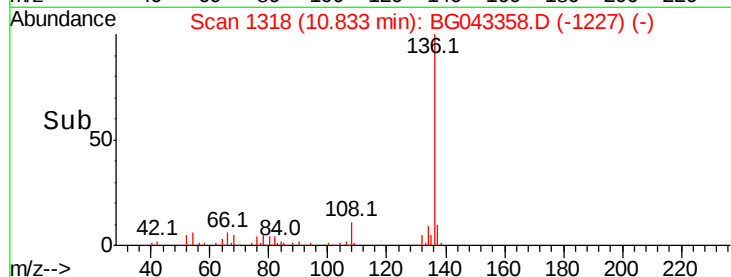
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043358.D
Acq: 28 Oct 2019 20:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	140653
Ion Ratio	Lower	Upper
136 100		
137 10.0	8.2	12.2
54 6.4	5.4	8.2
68 4.7	3.3	4.9

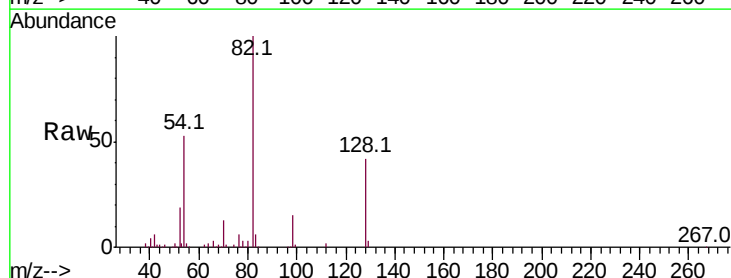


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

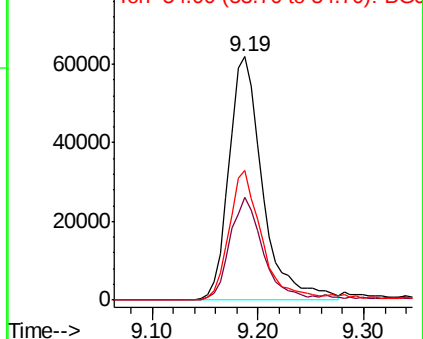
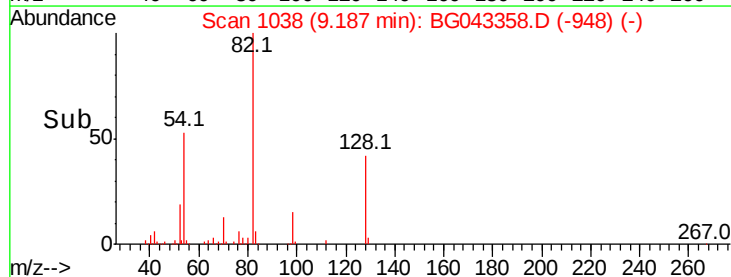


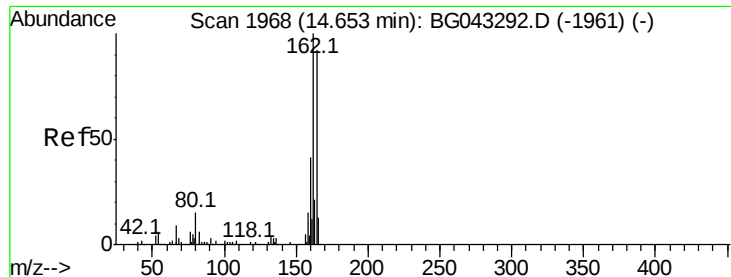
#23
Nitrobenzene-d5
Concen: 50.039 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043358.D
Acq: 28 Oct 2019 20:13

Tgt	Ion: 82	Resp:	136518
Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.3	52.9
54	53.2	42.3	63.5



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Instrument :

BNA_G

ClientSampled :

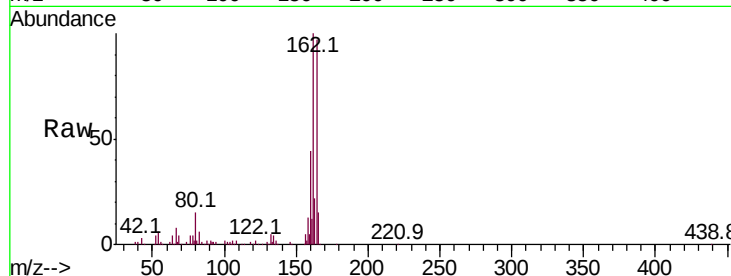
Tot Ion:164 Resp: 107900

Ion Ratio Lower Upper

164 100

162 103.5 87.0 130.4

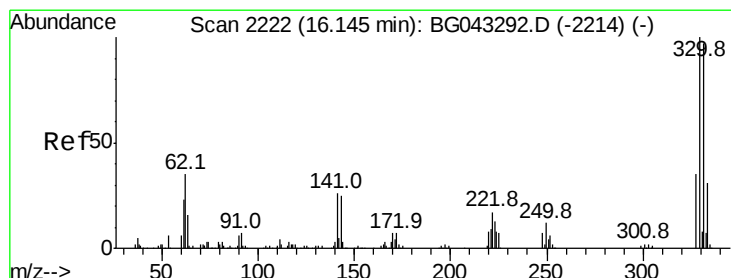
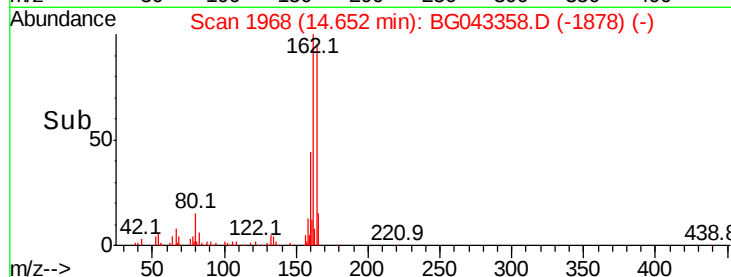
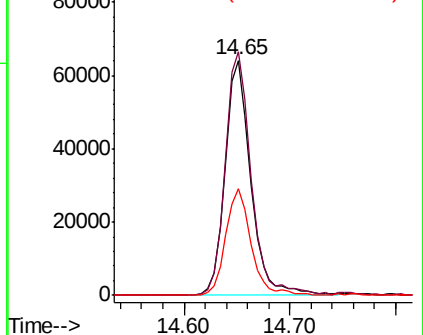
160 45.5 35.5 53.3



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: 70.984 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

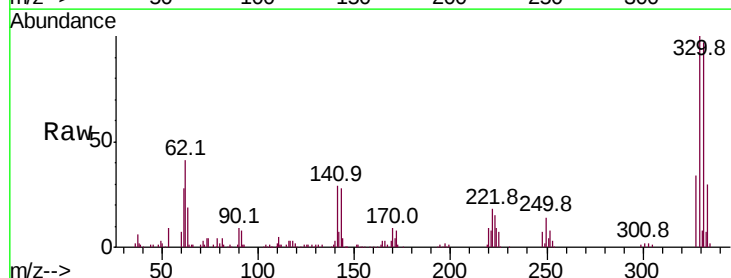
Tgt Ion:330 Resp: 145755

Ion Ratio Lower Upper

330 100

332 94.9 76.4 114.6

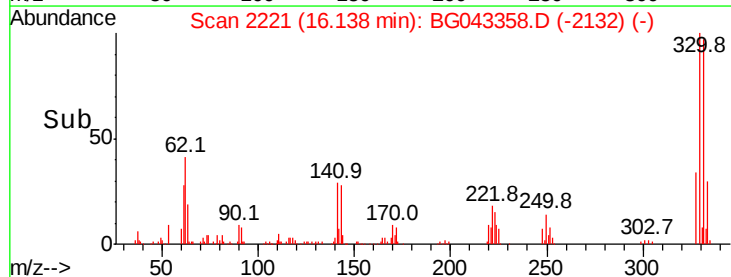
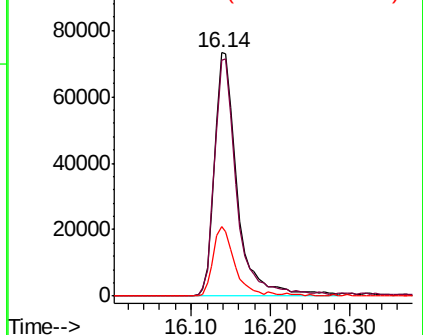
141 27.8 21.4 32.0

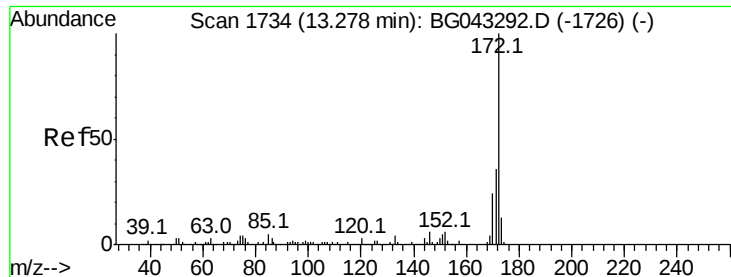


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

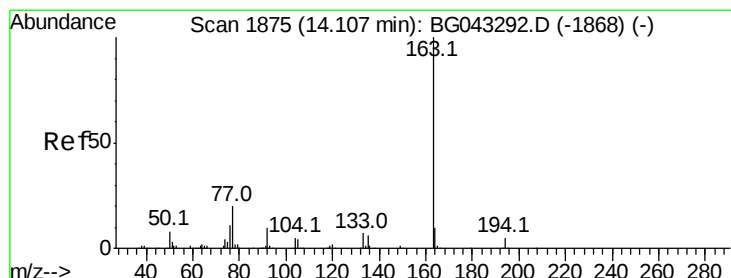
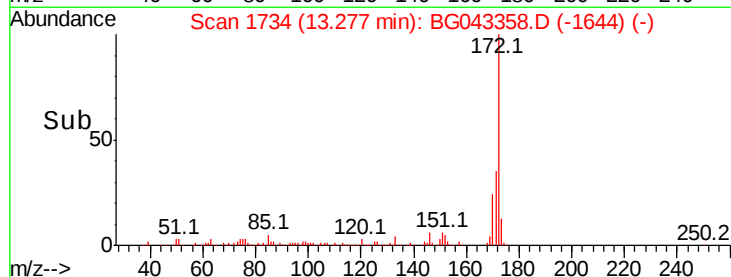
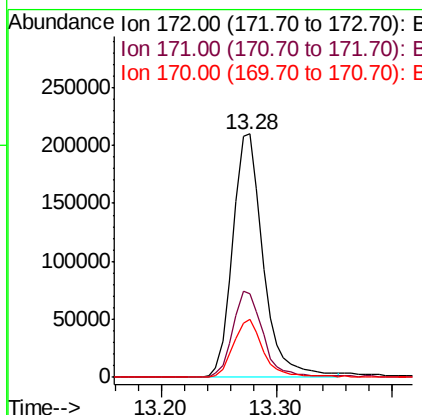
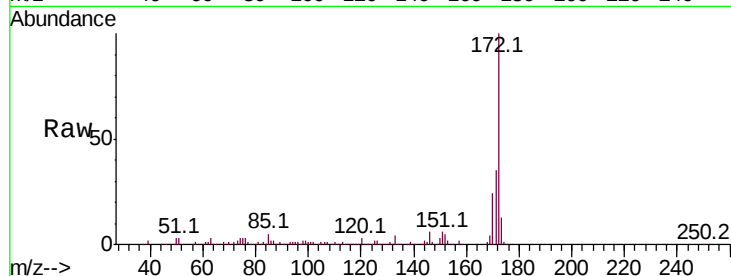




#45
 2-Fluorobiphenyl
 Concen: 49.524 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043358.D
 Acq: 28 Oct 2019 20:13

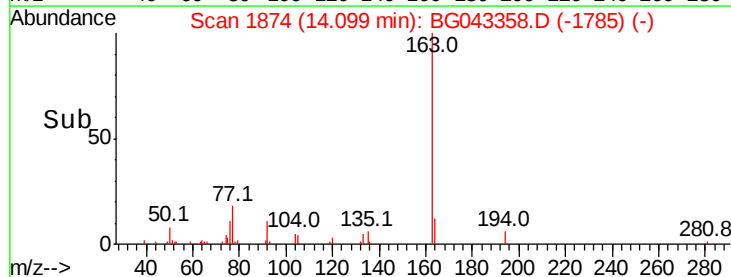
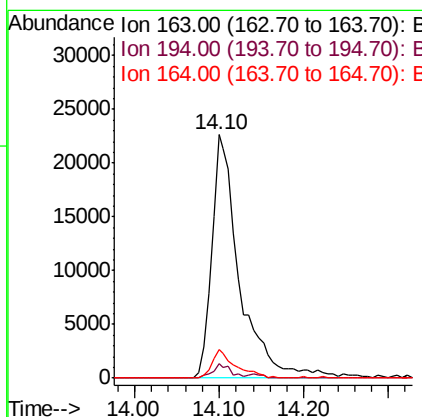
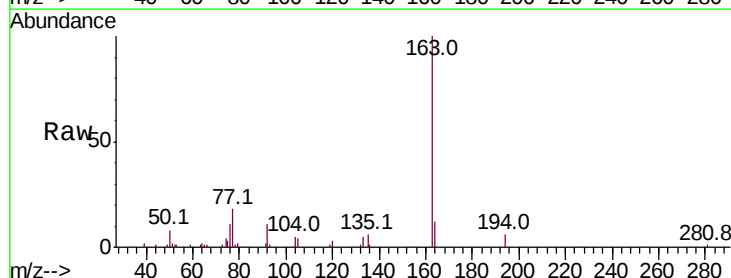
Instrument :
 BNA_G
 ClientSampleId :

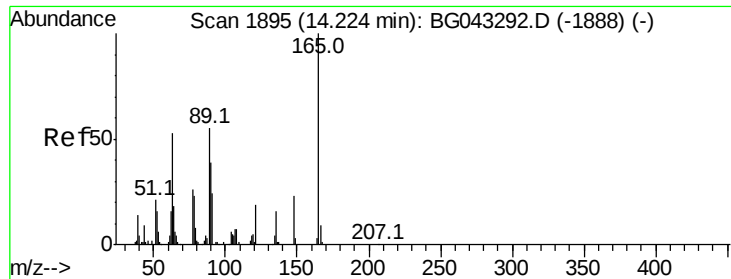
Tot Ion:172 Resp: 386717
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 23.8 18.8 28.2



#50
 Dimethylphthalate
 Concen: 6.237 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043358.D
 Acq: 28 Oct 2019 20:13

Tgt Ion:163 Resp: 52125
 Ion Ratio Lower Upper
 163 100
 194 6.2 3.7 5.5#
 164 11.6 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 8.309 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Instrument :

BNA_G

ClientSampleId :

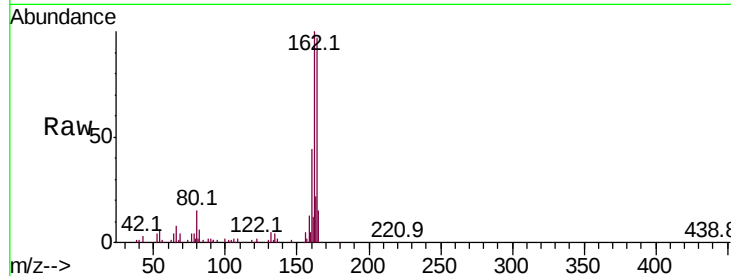
Tot Ion:165 Resp: 15087

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

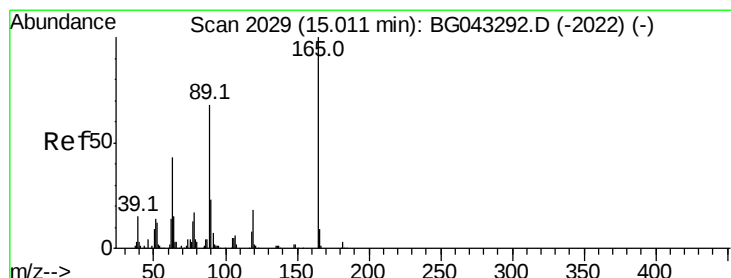
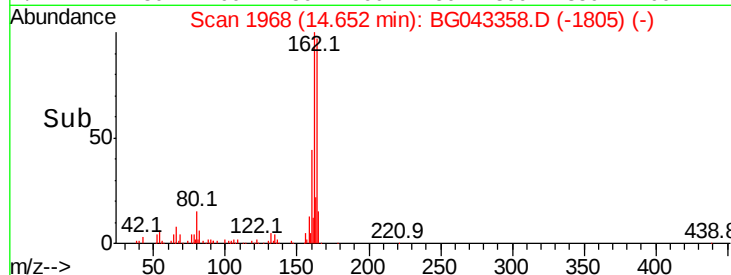
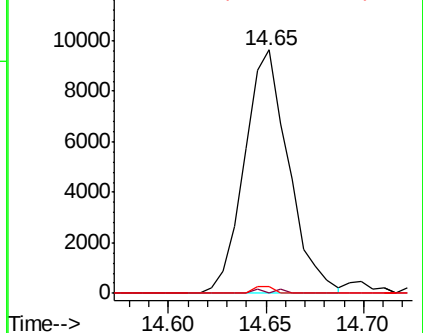
89 2.8 43.7 65.5#



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: 5.814 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Tgt Ion:165 Resp: 15087

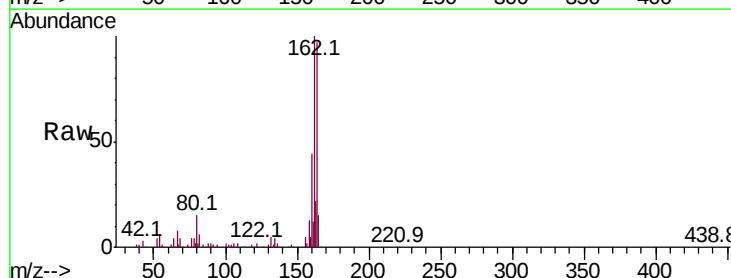
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.6#

89 2.8 54.1 81.1#

182 0.0 2.2 3.2#

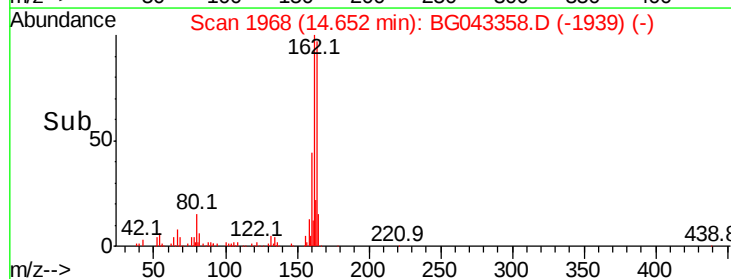
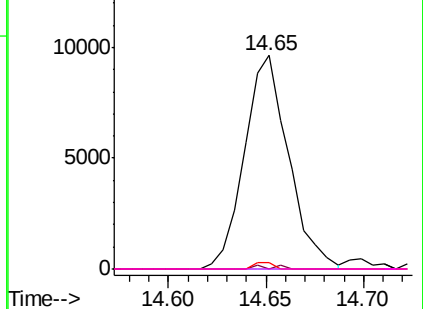


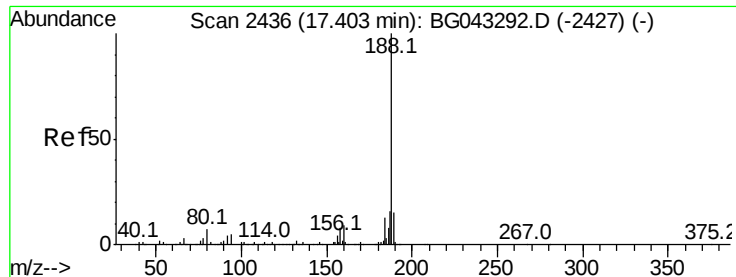
Abundance Ion 165.00 (164.70 to 165.70): E

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): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Instrument :

BNA_G

ClientSampleId :

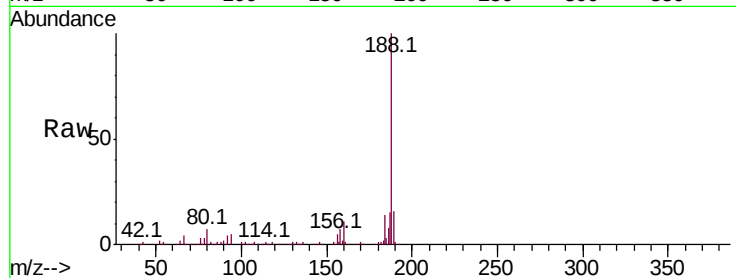
Tot Ion:188 Resp: 262038

Ion Ratio Lower Upper

188 100

94 4.9 4.2 6.2

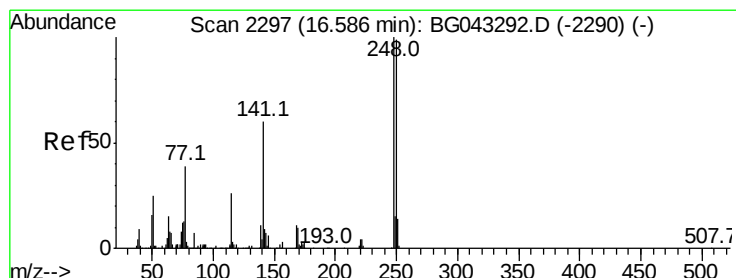
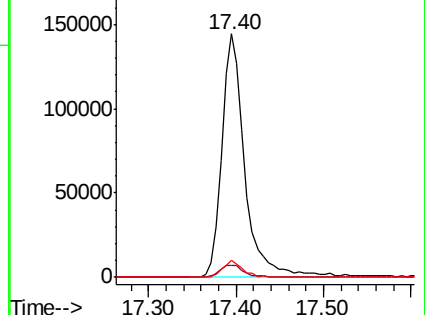
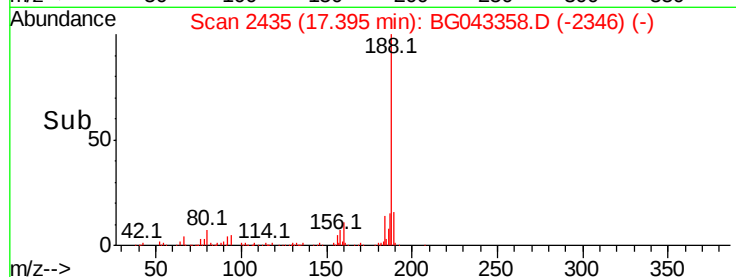
80 7.2 5.2 7.8



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: 2.570 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

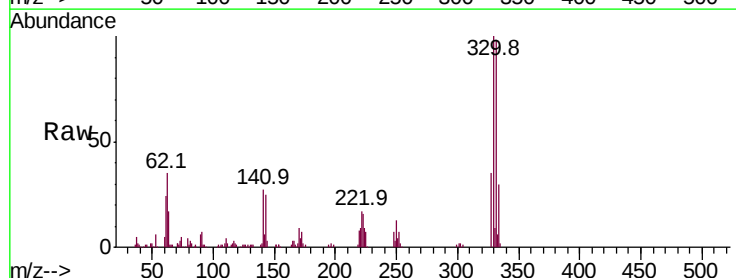
Tgt Ion:248 Resp: 9062

Ion Ratio Lower Upper

248 100

250 186.8 79.3 118.9#

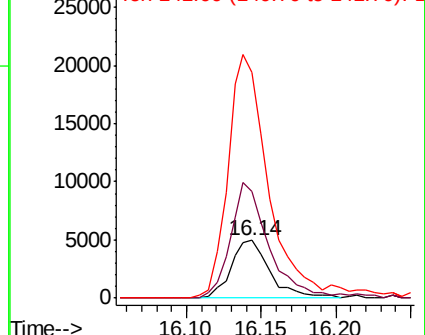
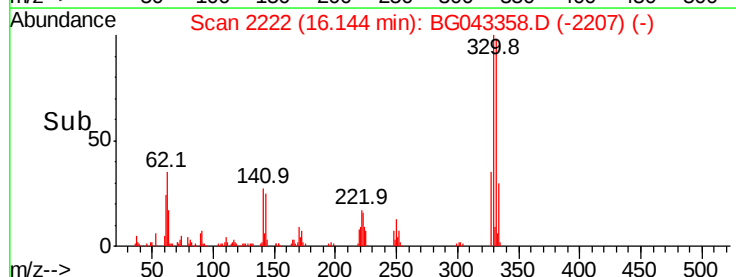
141 393.4 47.9 71.9#

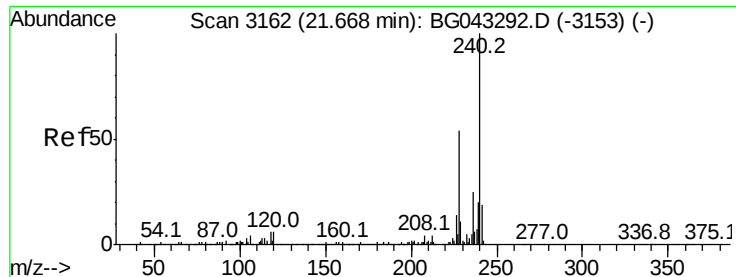


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

Instrument :

BNA_G

ClientSampleId :

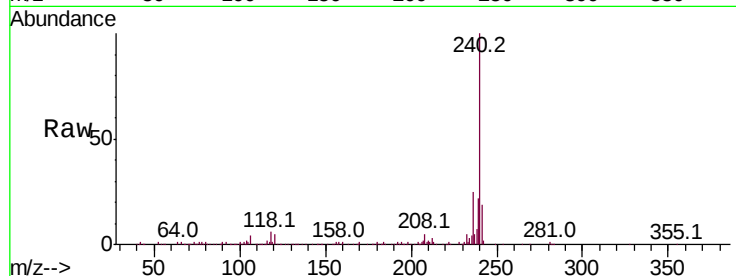
Tot Ion:240 Resp: 299395

Ion Ratio Lower Upper

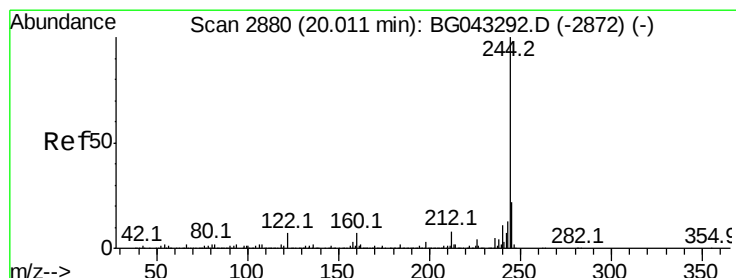
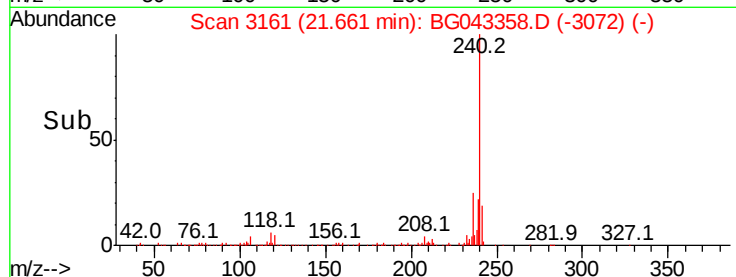
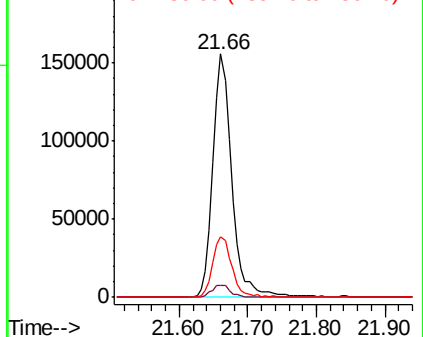
240 100

120 4.7 4.6 7.0

236 25.1 20.2 30.4



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: 51.558 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043358.D

Acq: 28 Oct 2019 20:13

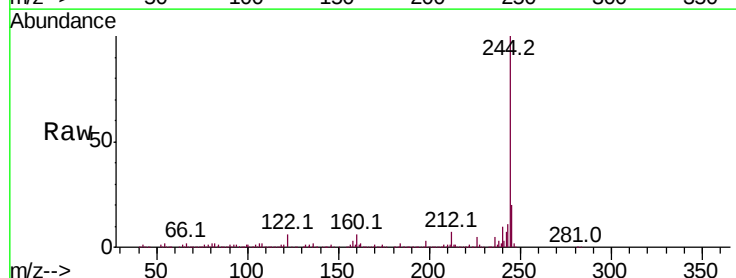
Tgt Ion:244 Resp: 822796

Ion Ratio Lower Upper

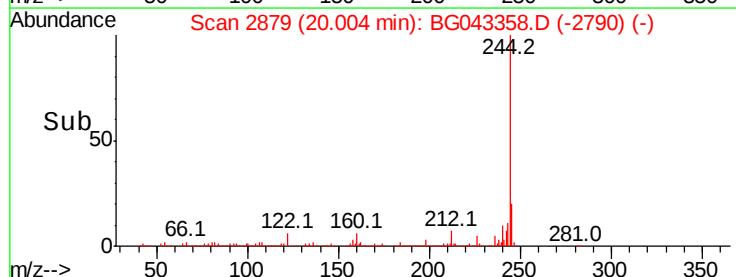
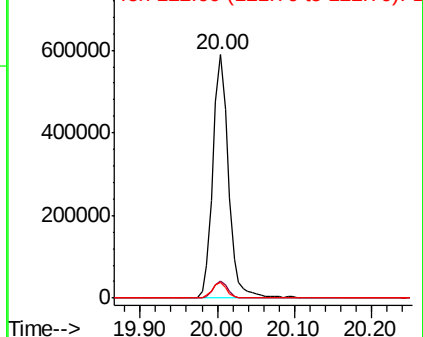
244 100

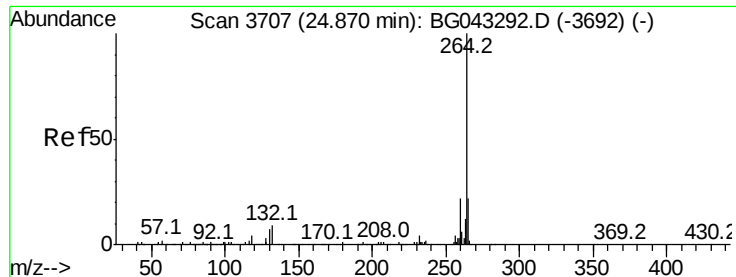
212 6.8 6.4 9.6

122 6.3 5.3 7.9



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

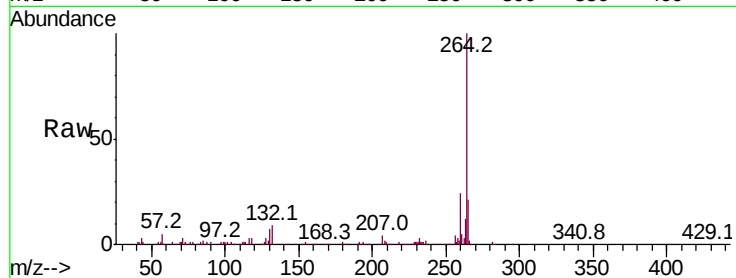




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043358.D
Acq: 28 Oct 2019 20:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.9	26.9
265	21.2	17.4	26.2



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

