

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043508.D
 Acq On : 5 Nov 2019 15:15
 Operator : JU
 Sample : PB124558BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:45:46 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

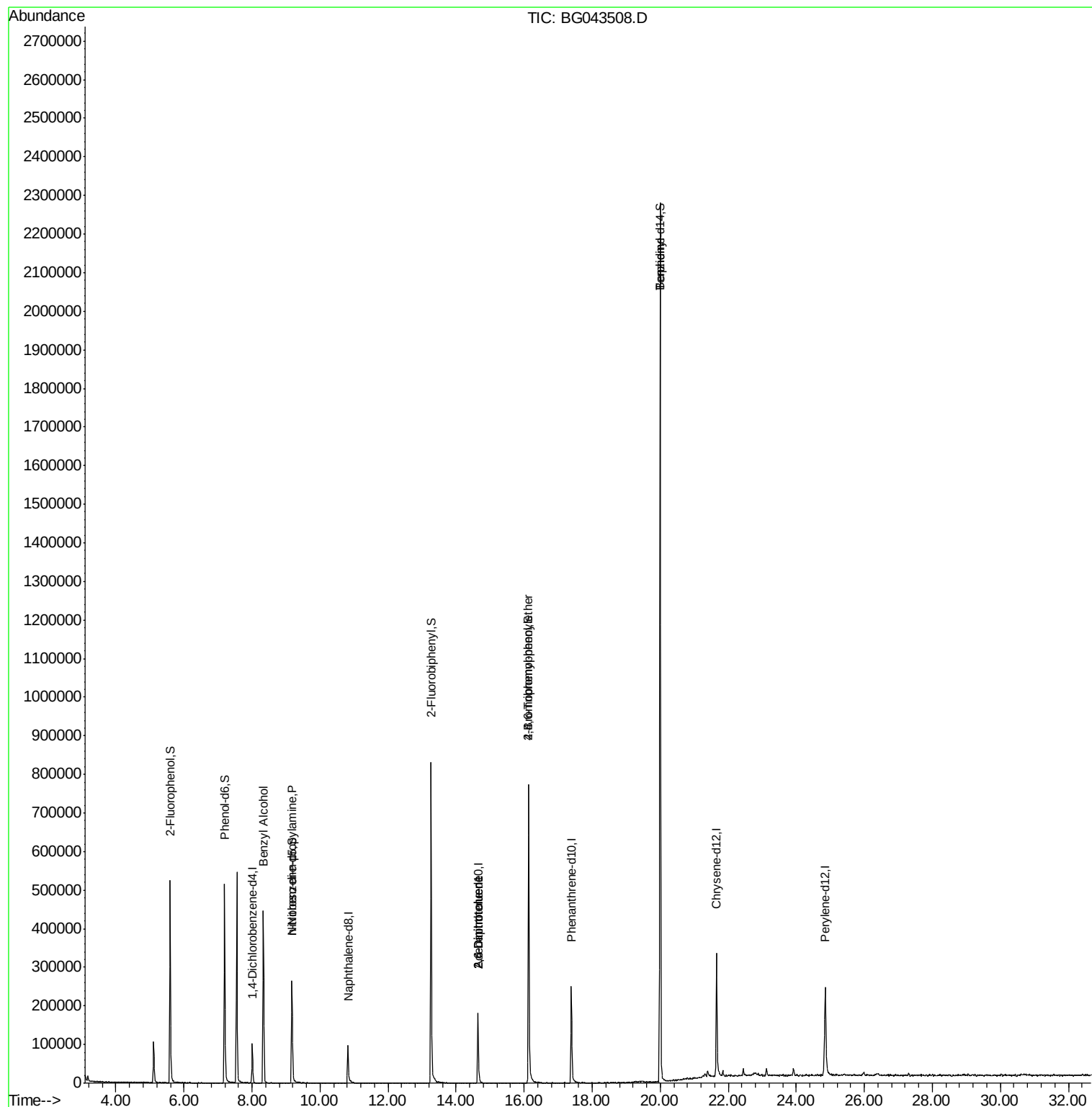
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	32007	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	107938	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	80156	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	211090	20.00	ng	0.00
76) Chrysene-d12	21.65	240	245217	20.00	ng	0.00
87) Perylene-d12	24.85	264	289644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	245493	140.55	ng	0.00
7) Phenol-d6	7.19	99	333955	132.89	ng	0.00
23) Nitrobenzene-d5	9.17	82	192976	92.17	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	212729	139.46	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	534308	92.11	ng	0.00
79) Terphenyl-d14	20.00	244	1289243	98.63	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.33	79	3648	2.067	ng	# 61
19) n-Nitroso-di-n-propylamine	9.17	70	26736	16.464	ng	# 83
51) 2,6-Dinitrotoluene	14.64	165	10983	8.143	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	11046	5.730	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	13484	4.747	ng	# 1
77) Benzidine	20.00	184	18851	3.820	ng	# 82

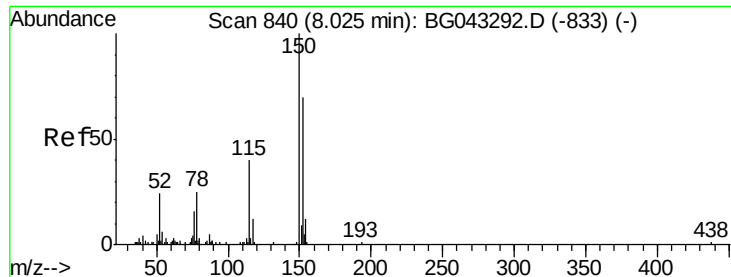
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. 0.00 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

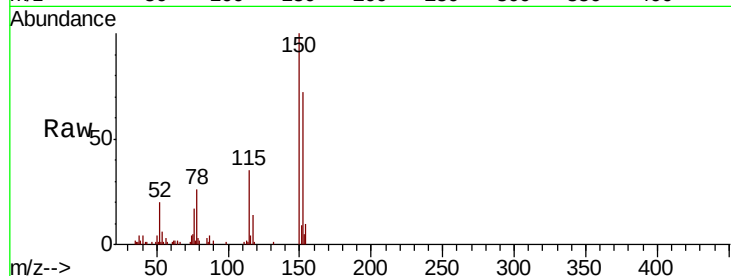
Tot Ion:152 Resp: 32007

Ion Ratio Lower Upper

152 100

150 138.6 129.4 194.0

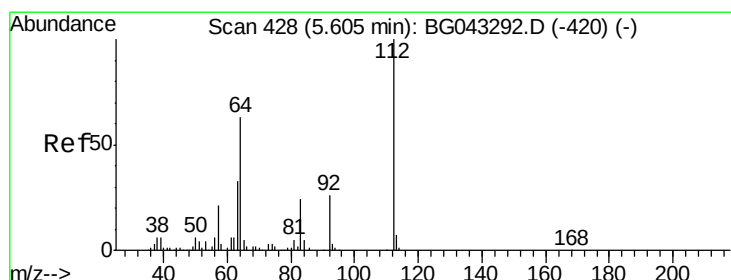
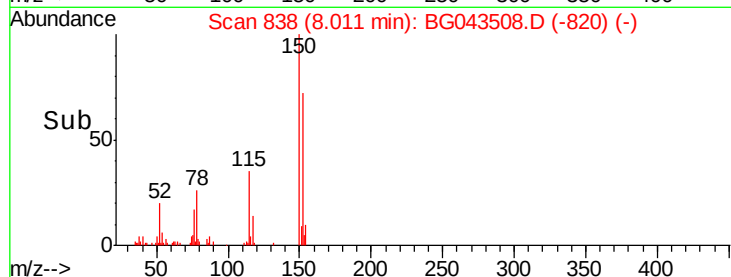
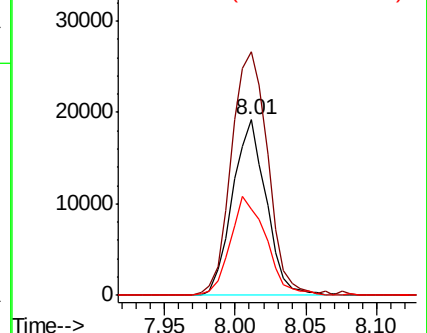
115 48.7 48.8 73.2#



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: 140.548 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

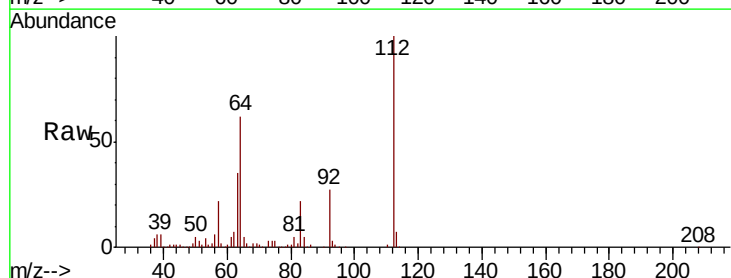
Tgt Ion:112 Resp: 245493

Ion Ratio Lower Upper

112 100

64 61.7 50.0 75.0

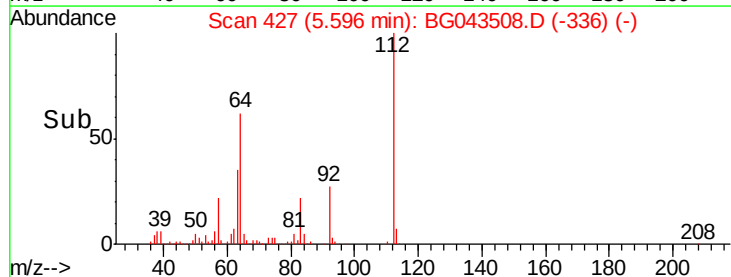
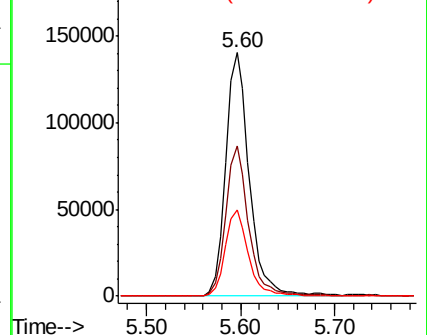
63 35.3 26.6 40.0

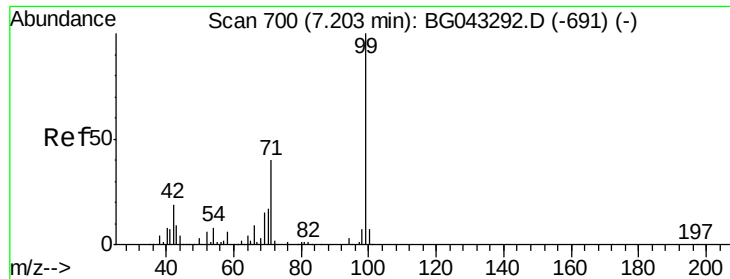


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 132.888 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

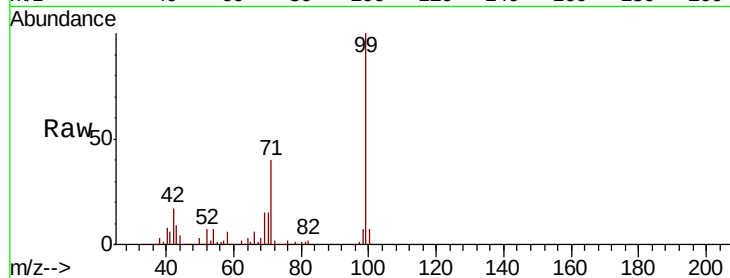
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 333955

Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.6	21.8
71	40.2	32.5	48.7

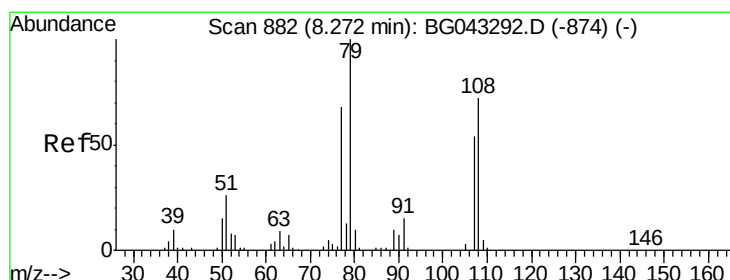
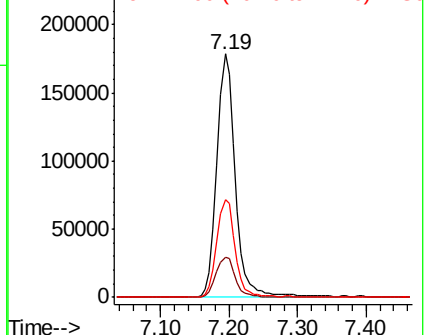
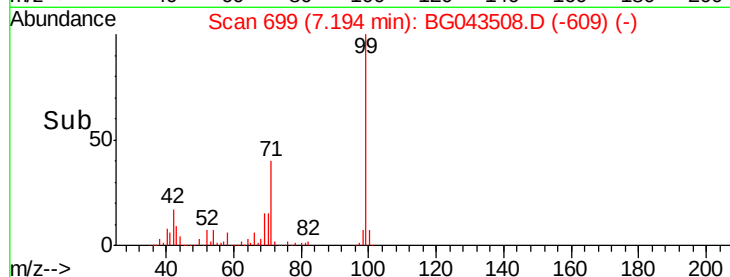


Abundance

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



#15

Benzyl Alcohol

Concen: 2.067 ng

RT: 8.33 min Scan# 892

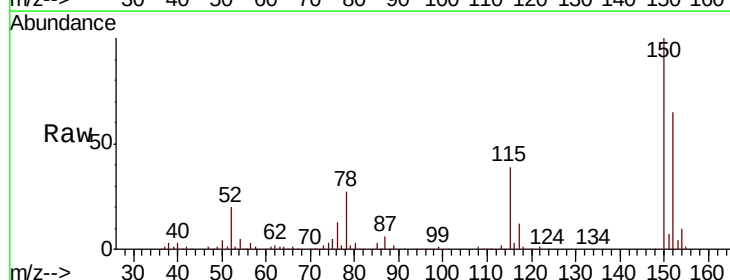
Delta R.T. 0.07 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Tgt Ion: 79 Resp: 3648

Ion	Ratio	Lower	Upper
79	100		
108	28.9	53.6	80.4#
77	85.4	49.6	74.4#

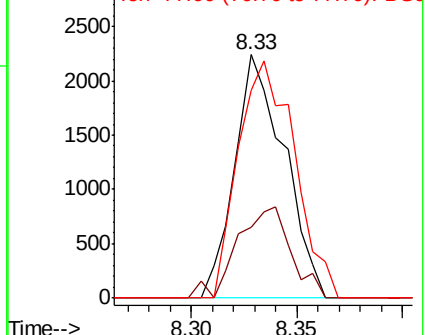
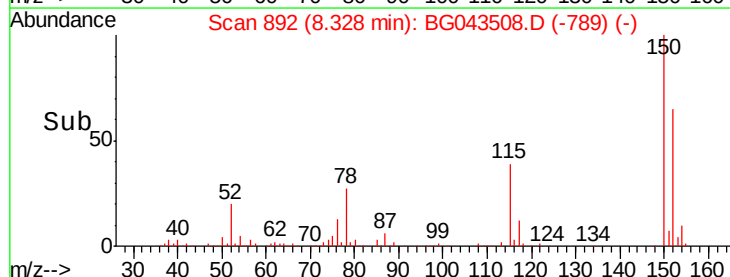


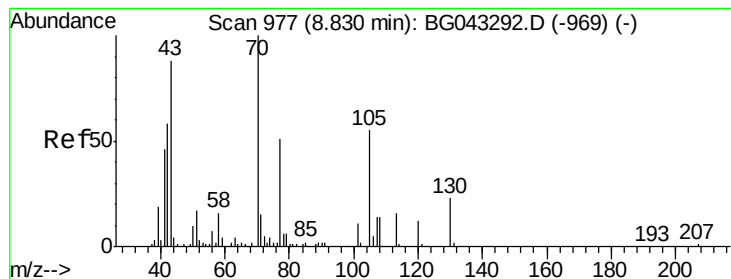
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.464 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 26736

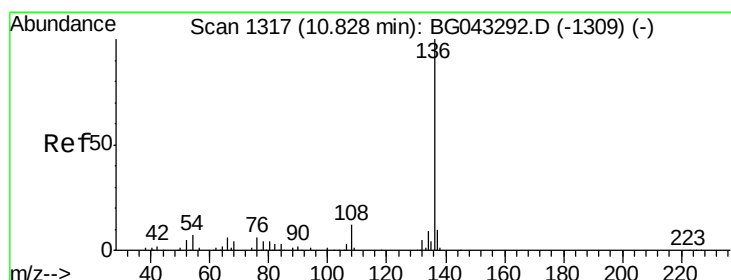
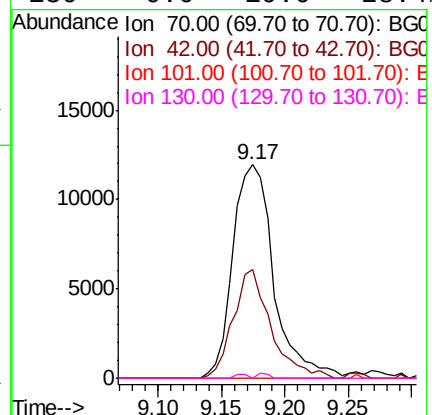
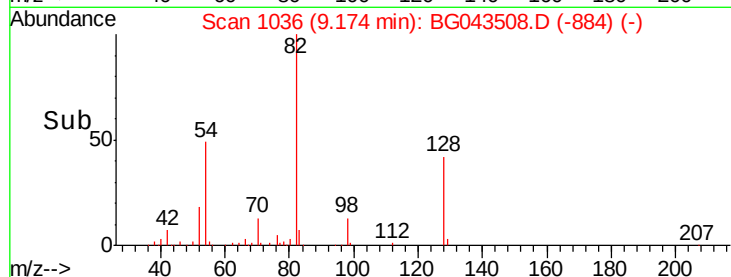
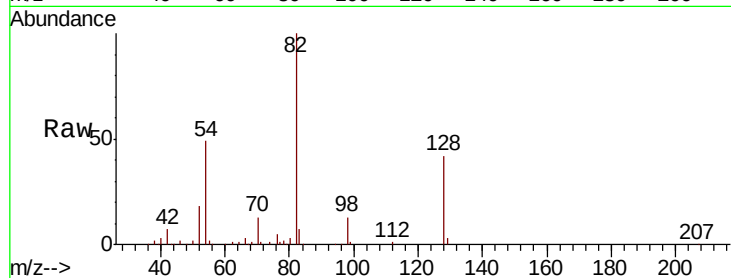
Ion Ratio Lower Upper

70 100

42 51.1 41.4 62.2

101 0.0 7.9 11.9#

130 0.0 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Tgt Ion: 136 Resp: 107938

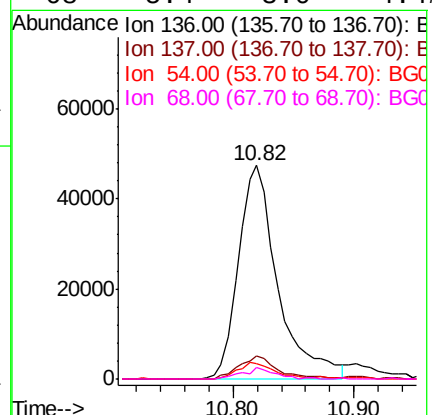
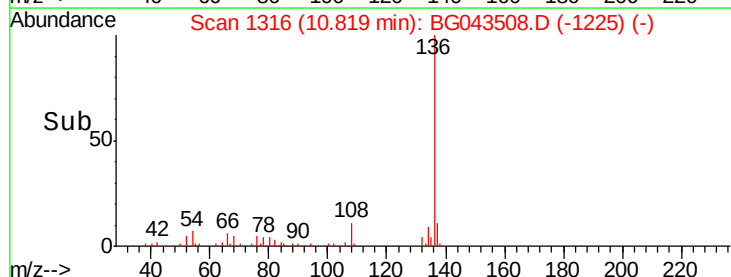
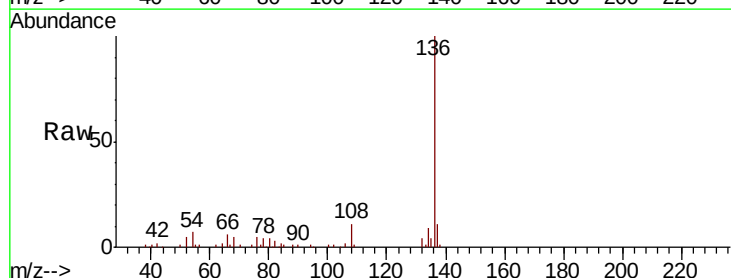
Ion Ratio Lower Upper

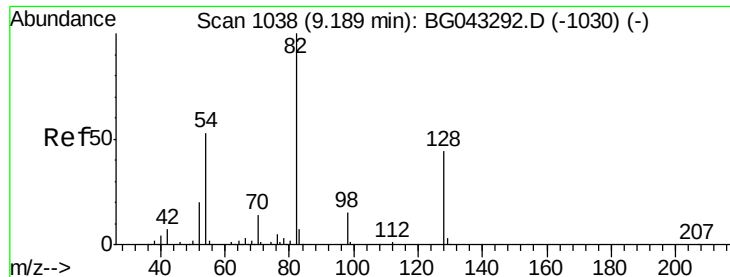
136 100

137 11.0 8.7 13.1

54 7.5 5.4 8.2

68 5.4 3.0 4.4#

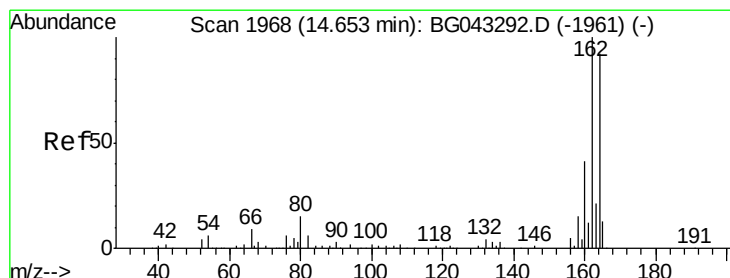
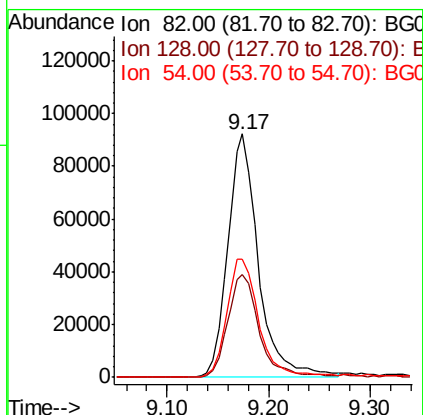
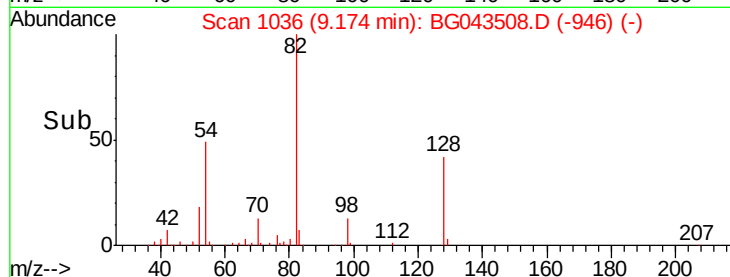
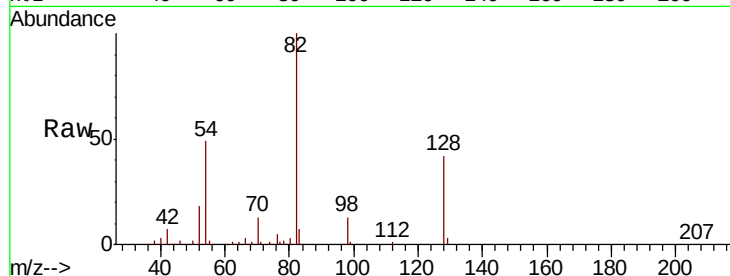




#23
Nitrobenzene-d5
Concen: 92.171 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043508.D
Acq: 5 Nov 2019 15:15

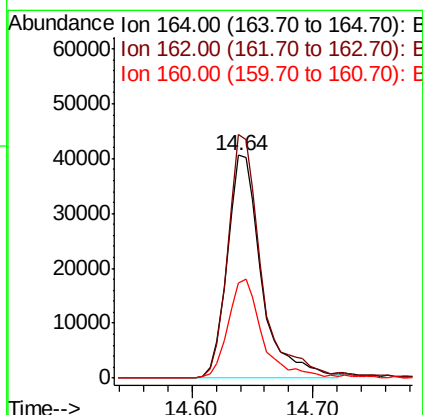
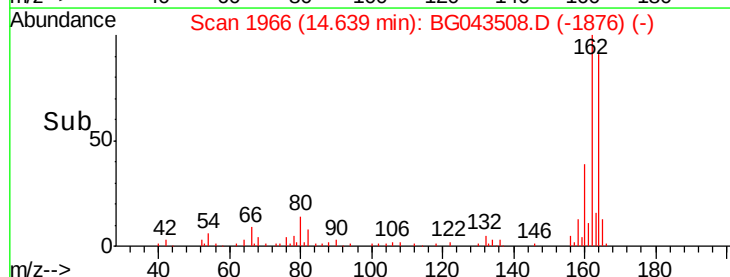
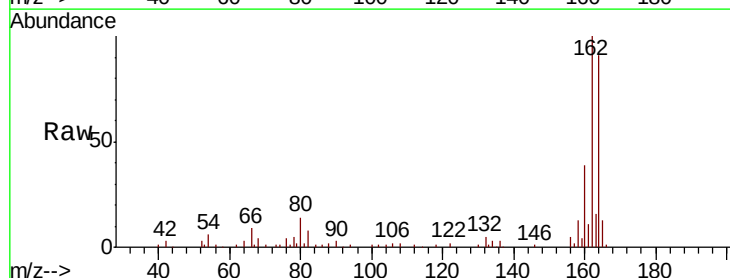
Instrument :
BNA_G
ClientSampleId :

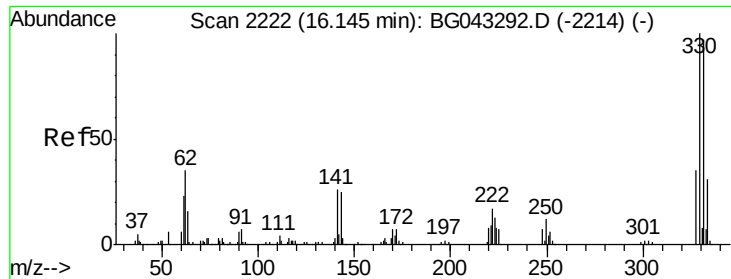
Tot Ion: 82 Resp: 192976
Ion Ratio Lower Upper
82 100
128 42.4 35.0 52.6
54 48.6 40.2 60.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043508.D
Acq: 5 Nov 2019 15:15

Tgt Ion:164 Resp: 80156
Ion Ratio Lower Upper
164 100
162 109.4 83.5 125.3
160 42.8 36.5 54.7

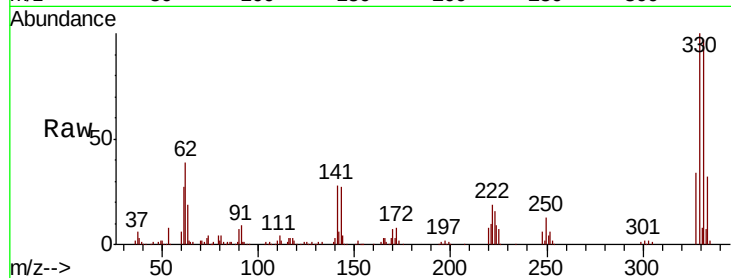




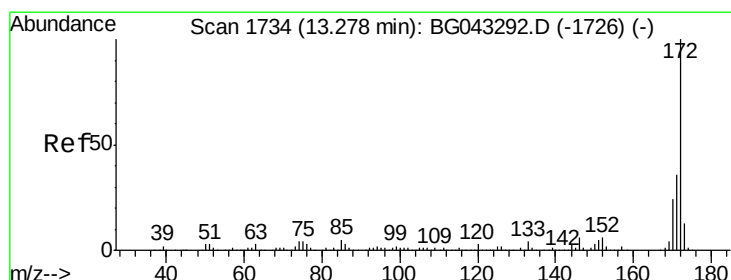
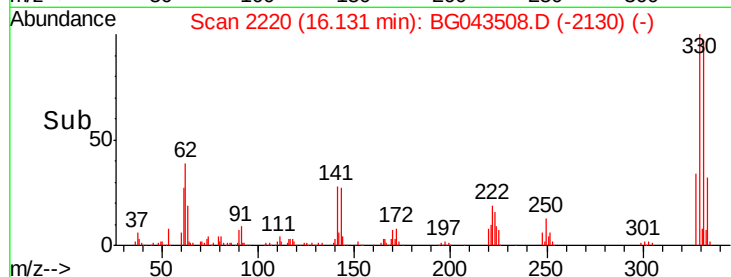
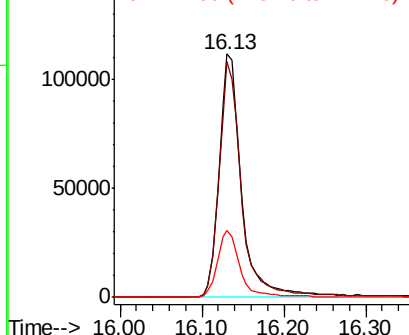
#42
 2,4,6-Tribromophenol
 Concen: 139.460 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043508.D
 Acq: 5 Nov 2019 15:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.0
141	27.0	22.8	34.2

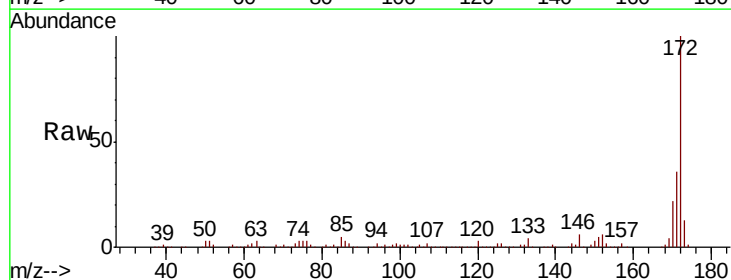


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

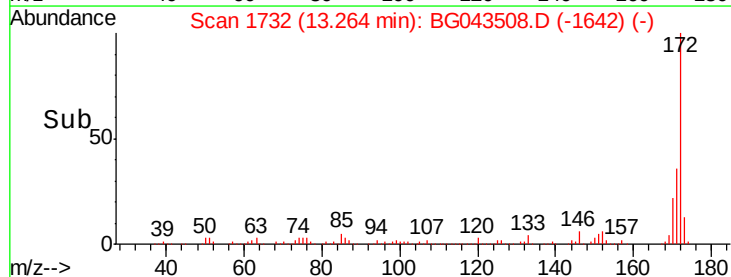
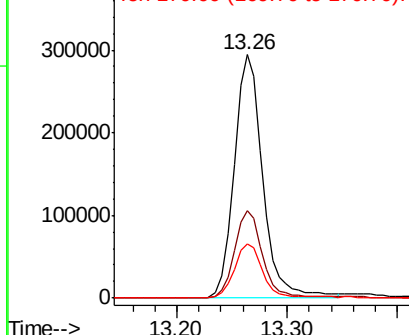


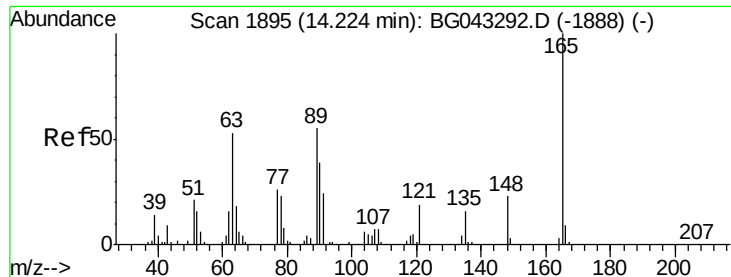
#45
 2-Fluorobiphenyl
 Concen: 92.109 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043508.D
 Acq: 5 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	22.4	18.5	27.7



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





#51

2,6-Dinitrotoluene

Concen: 8.143 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.43 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

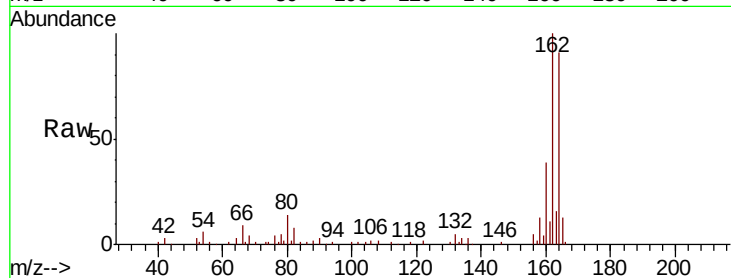
Tot Ion:165 Resp: 10983

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

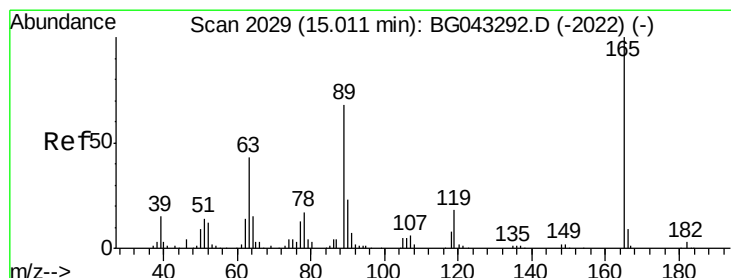
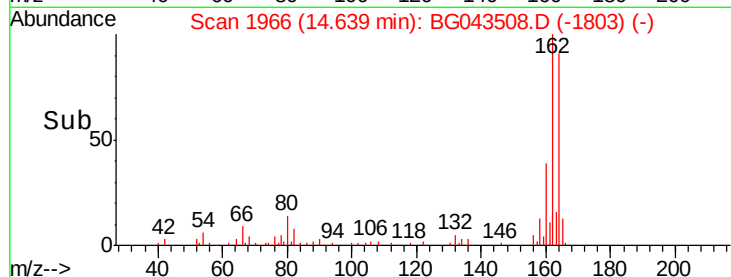
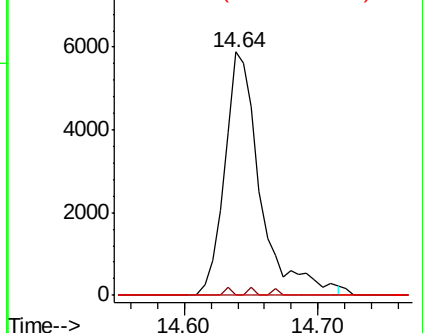
89 0.0 45.1 67.7#



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: 5.730 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.37 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Tgt Ion:165 Resp: 11046

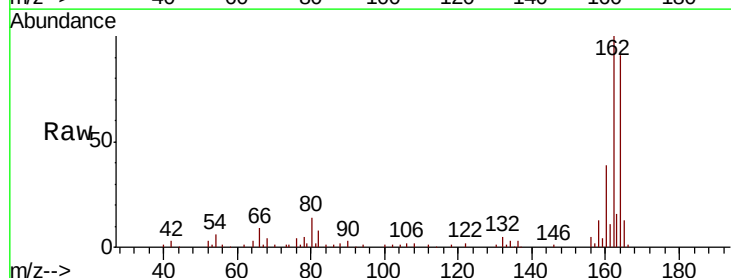
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

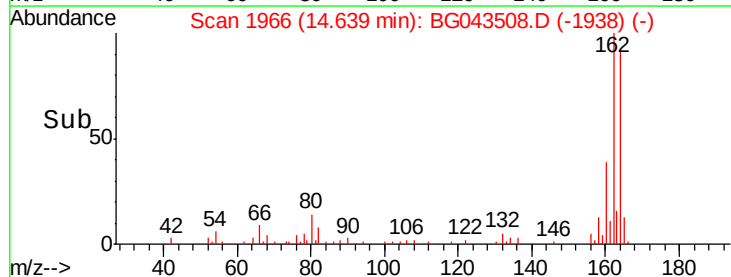
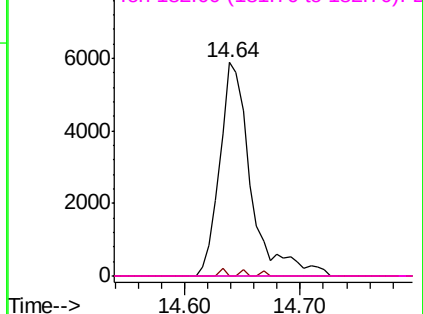


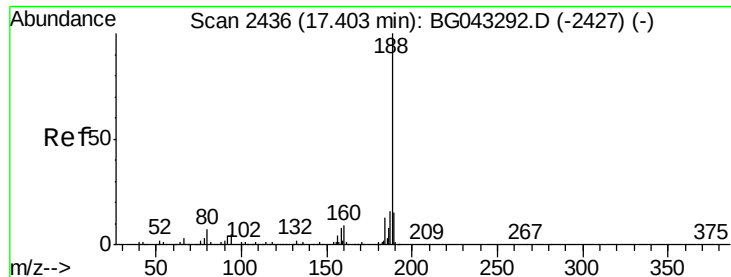
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

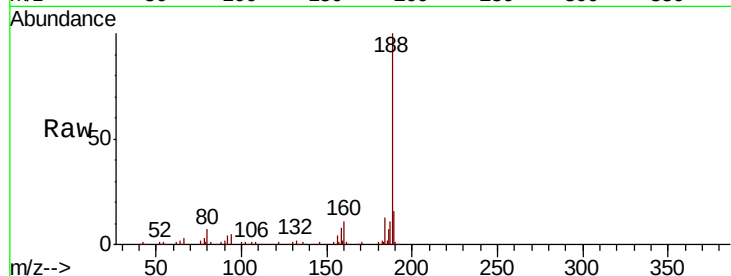
Tot Ion:188 Resp: 211090

Ion Ratio Lower Upper

188 100

94 5.1 4.2 6.4

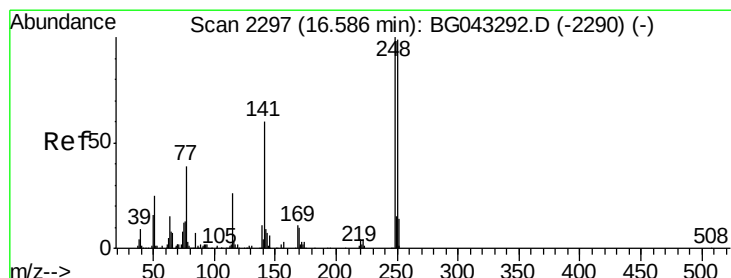
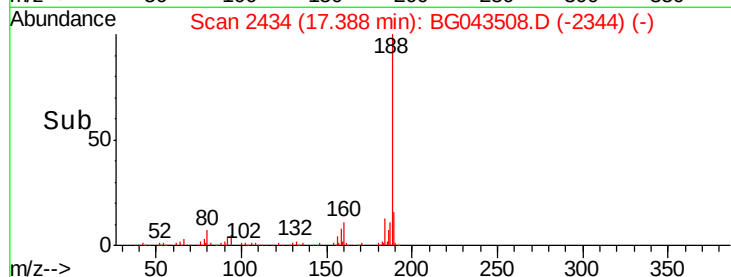
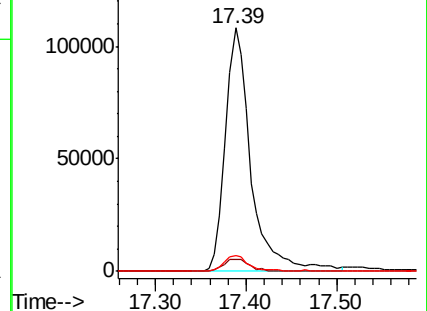
80 6.5 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.747 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.44 min

Lab File: BG043508.D

Acq: 5 Nov 2019 15:15

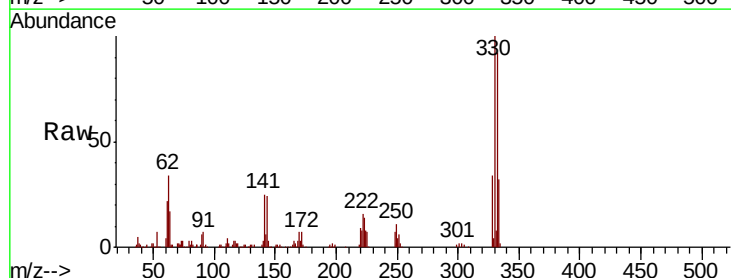
Tgt Ion:248 Resp: 13484

Ion Ratio Lower Upper

248 100

250 168.5 77.0 115.4#

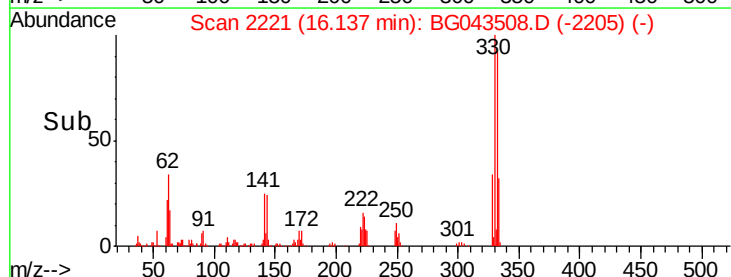
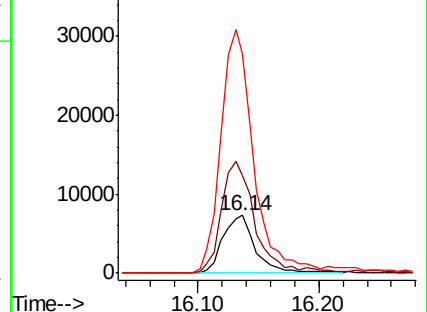
141 378.4 47.5 71.3#

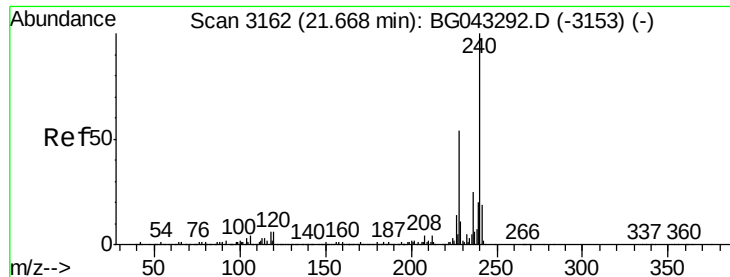


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

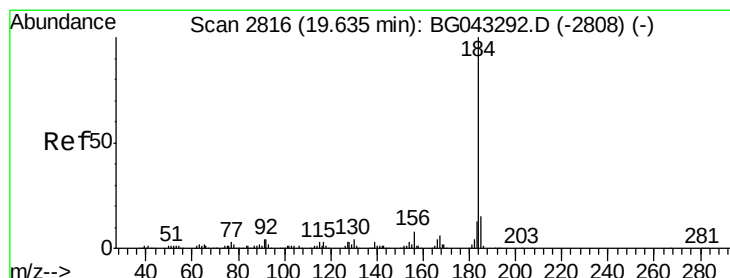
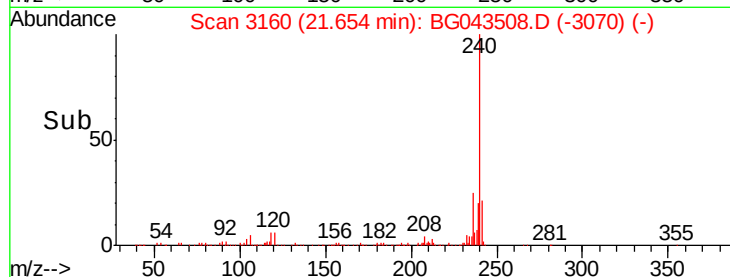
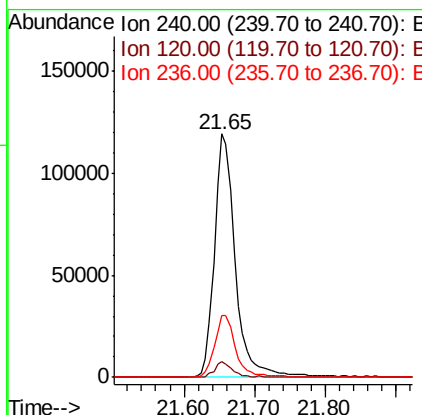
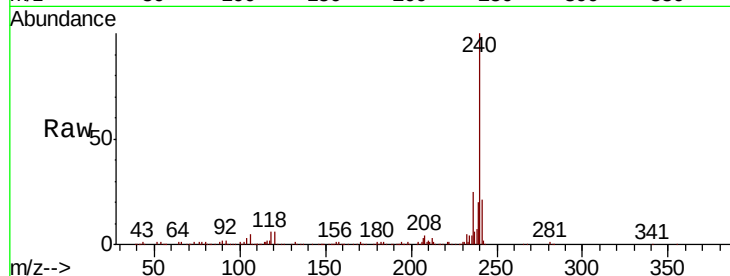




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG043508.D
Acq: 5 Nov 2019 15:15

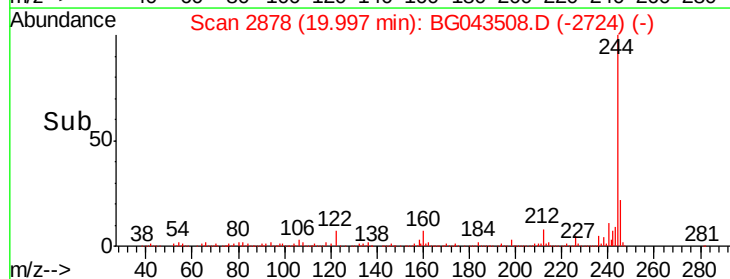
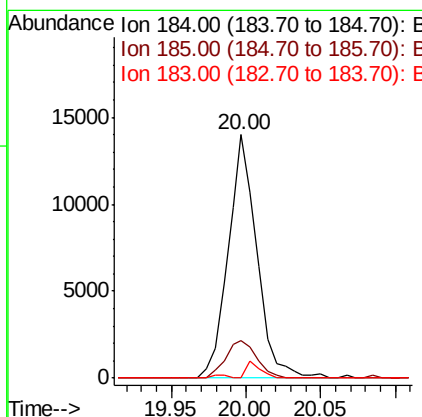
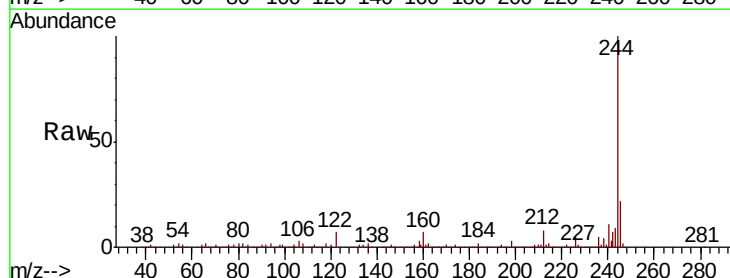
Instrument :
BNA_G
ClientSampleId :

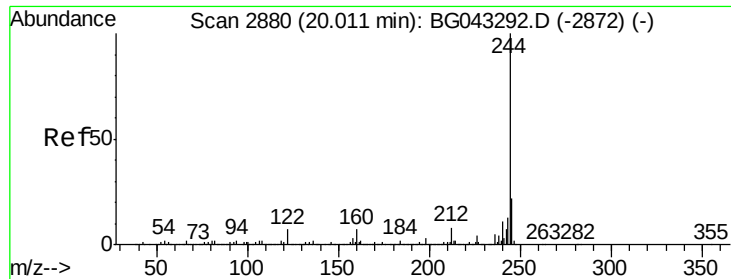
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.3	4.6	6.8
236	25.5	19.8	29.8



#77
Benzidine
Concen: 3.820 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.37 min
Lab File: BG043508.D
Acq: 5 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.0	16.4
183	0.0	10.0	15.0#

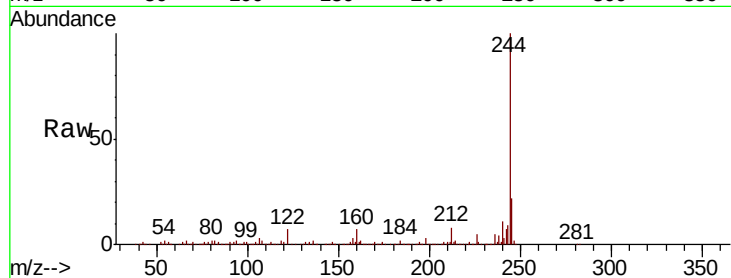




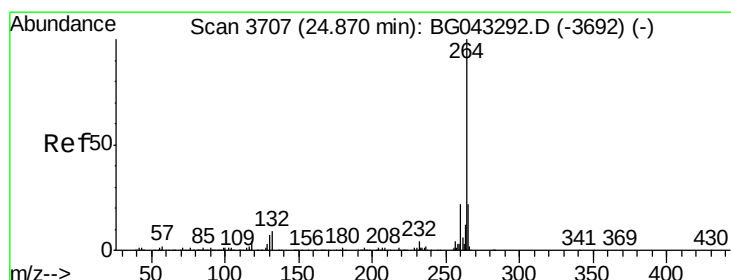
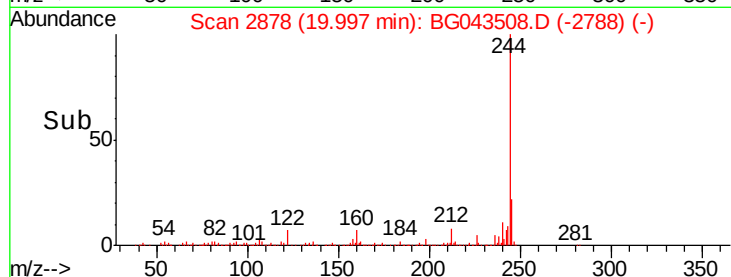
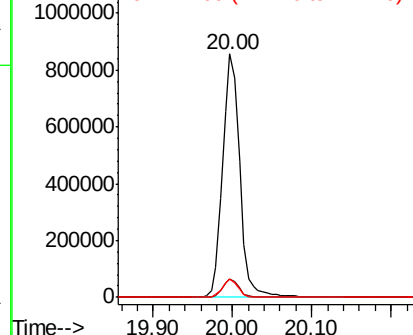
#79
 Terphenyl-d14
 Concen: 98.635 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG043508.D
 Acq: 5 Nov 2019 15:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1289243
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 7.3 5.4 8.2

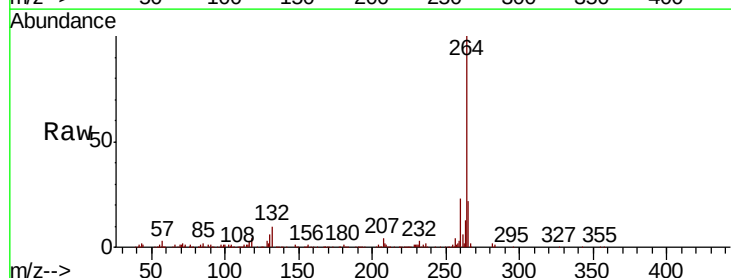


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BG043508.D
 Acq: 5 Nov 2019 15:15

Tgt Ion:264 Resp: 289644
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.5 26.3
 265 21.5 17.4 26.0



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

