

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043411.D
 Acq On : 30 Oct 2019 21:50
 Operator : JU
 Sample : K5599-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:11:00 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

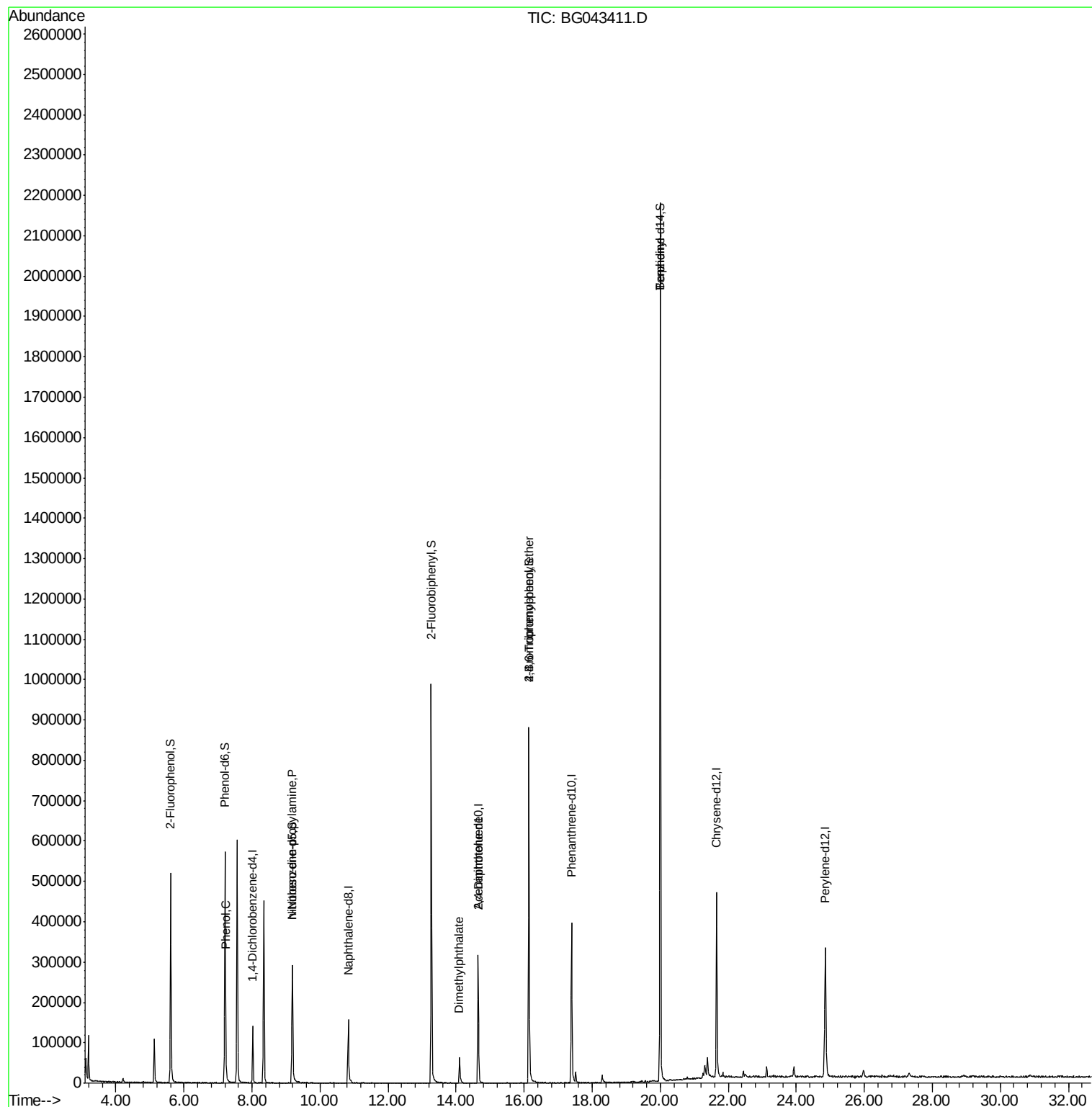
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43326	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	161341	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	124417	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	284175	20.00	ng	0.00
76) Chrysene-d12	21.66	240	316225	20.00	ng	0.00
87) Perylene-d12	24.86	264	366566	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	252575	106.83	ng	0.00
7) Phenol-d6	7.21	99	366210	107.65	ng	0.00
23) Nitrobenzene-d5	9.19	82	214448	68.52	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	227498	96.09	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	619902	68.85	ng	0.00
79) Terphenyl-d14	20.00	244	1189938	70.60	ng	0.00
Target Compounds						
10) Phenol	7.23	94	7897	2.540	ng	# 52
19) n-Nitroso-di-n-propylamine	9.19	70	29187	13.278	ng	# 72
50) Dimethylphthalate	14.10	163	58261	6.046	ng	# 99
57) 2,4-Dinitrotoluene	14.65	165	16614	5.553	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	14502	3.792	ng	# 1
77) Benzidine	20.00	184	16535	2.598	ng	# 87

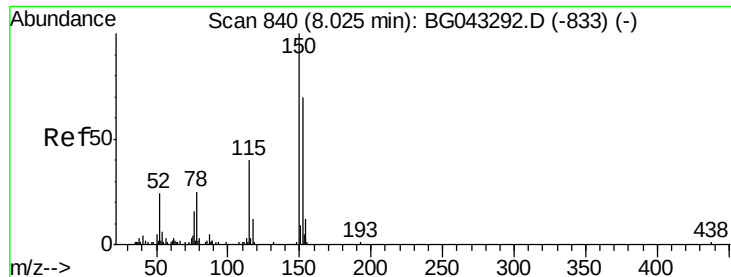
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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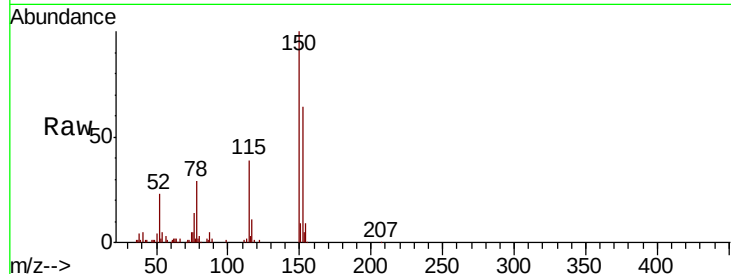


#1

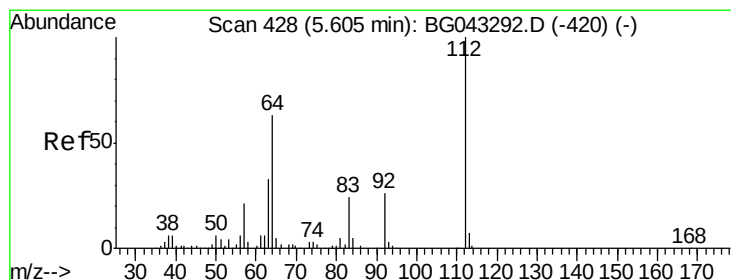
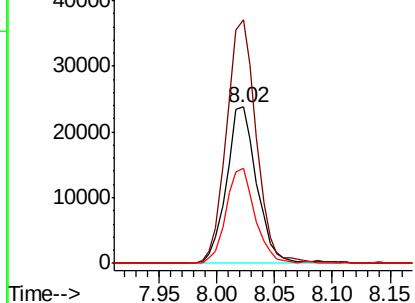
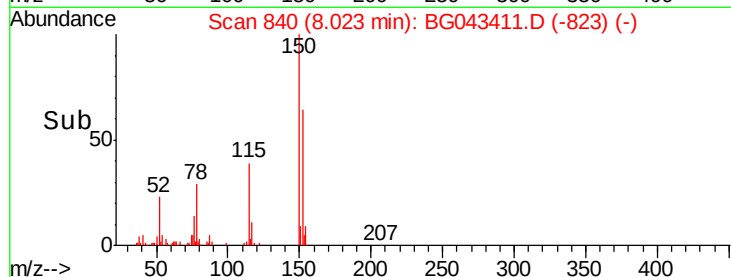
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043411.D
Acq: 30 Oct 2019 21:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	113.6	170.4
115	61.0	45.9	68.9



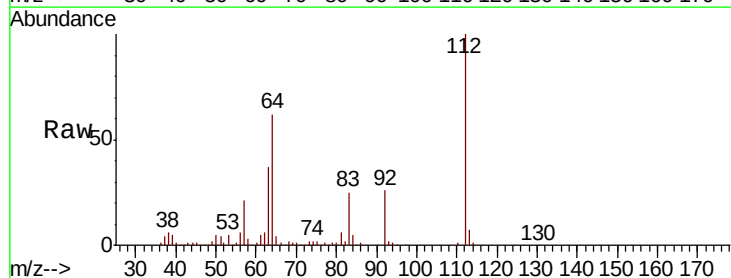
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



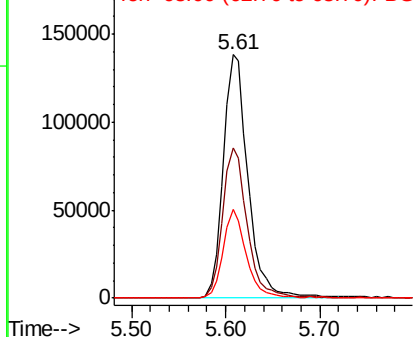
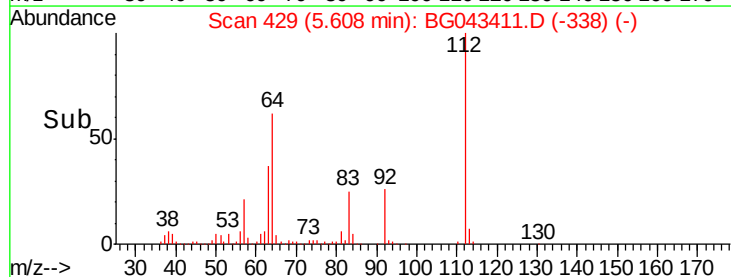
#5

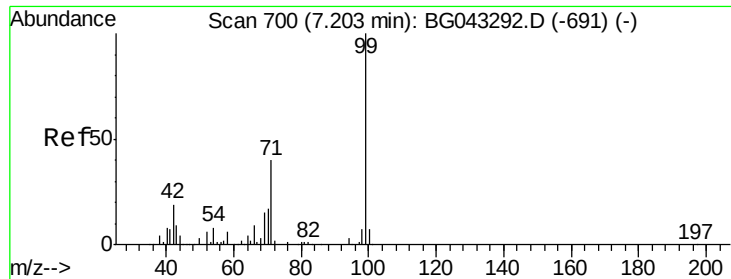
2-Fluorophenol
Concen: 106.825 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG043411.D
Acq: 30 Oct 2019 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	50.2	75.2
63	36.7	26.7	40.1



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: 107.652 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

Instrument :

BNA_G

ClientSampled :

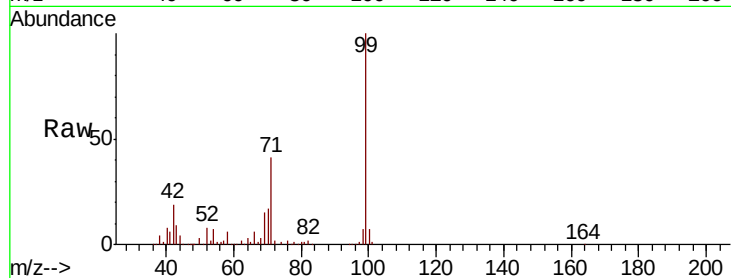
Tot Ion: 99 Resp: 366210

Ion Ratio Lower Upper

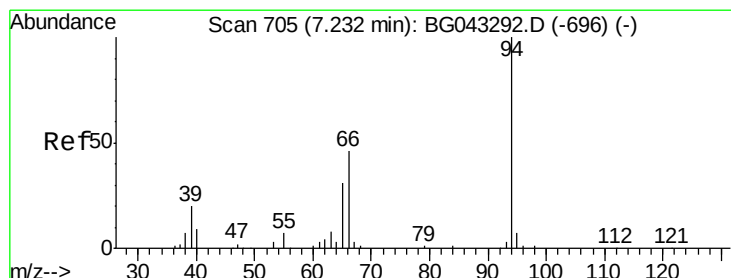
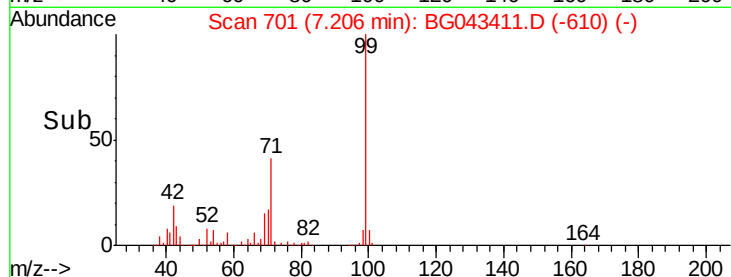
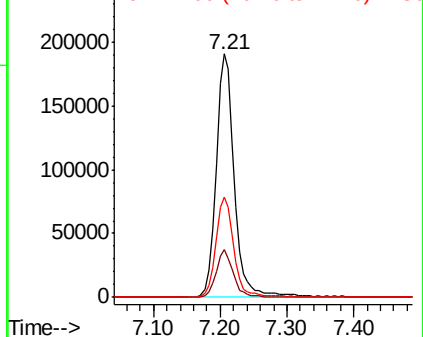
99 100

42 19.5 14.9 22.3

71 41.1 32.2 48.2



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



#10

Phenol

Concen: 2.540 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

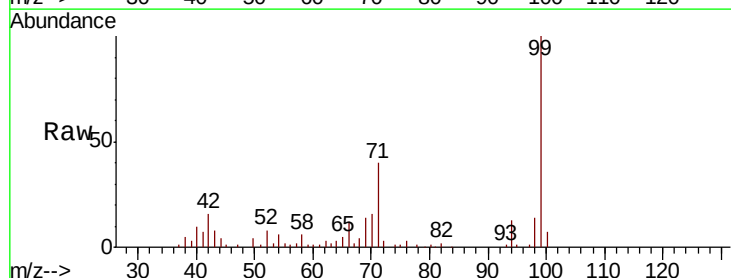
Tgt Ion: 94 Resp: 7897

Ion Ratio Lower Upper

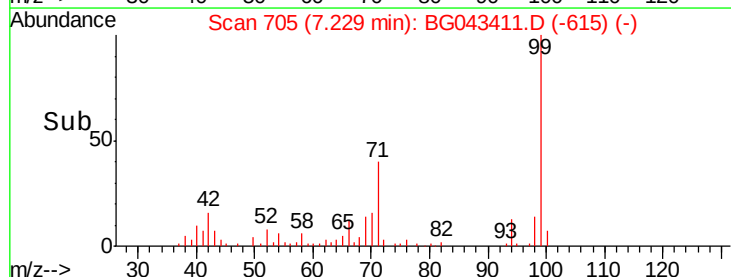
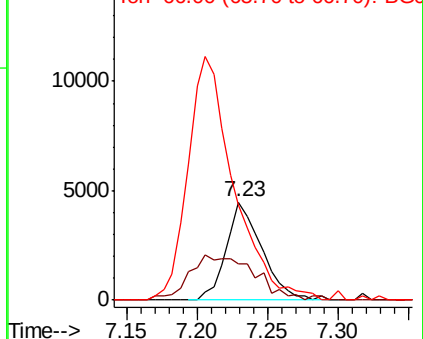
94 100

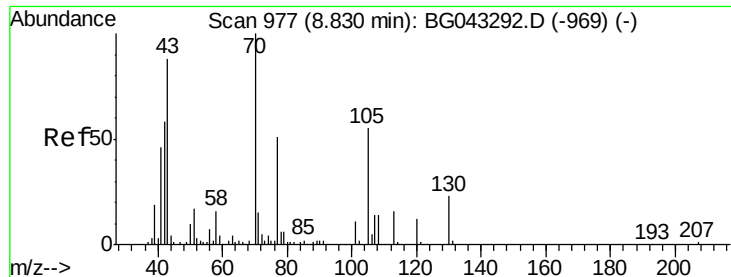
65 36.7 11.1 51.1

66 96.9 27.8 67.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 13.278 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 29187

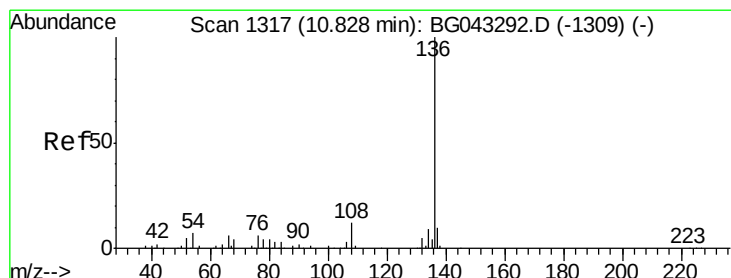
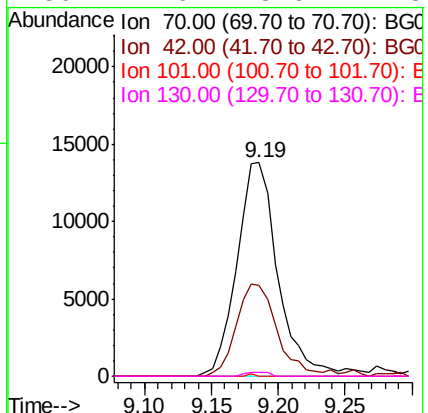
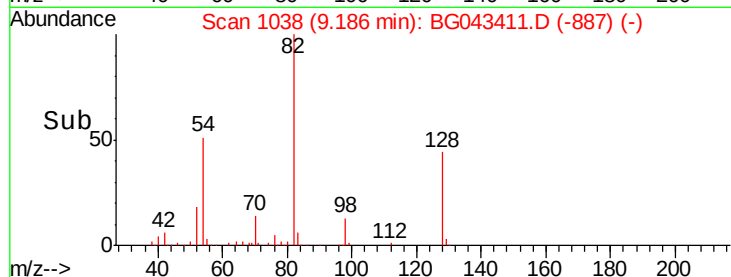
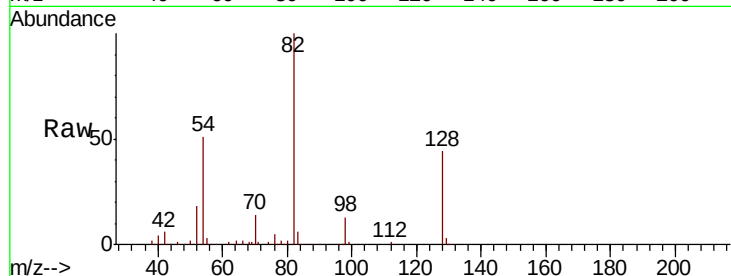
Ion Ratio Lower Upper

70 100

42 42.3 46.2 69.2#

101 0.0 8.6 13.0#

130 1.6 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: BG043411.D

Acq: 30 Oct 2019 21:50

Tgt Ion: 136 Resp: 161341

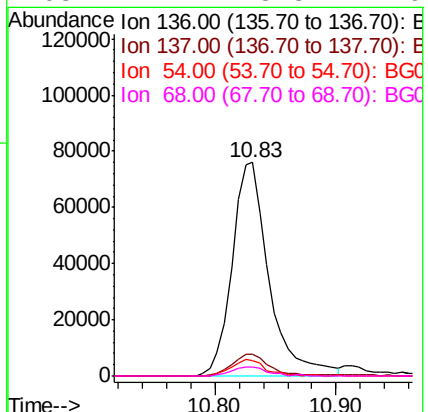
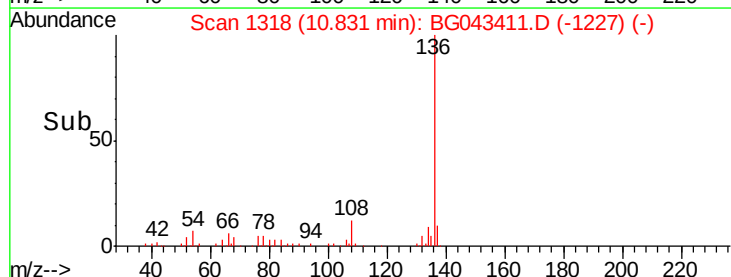
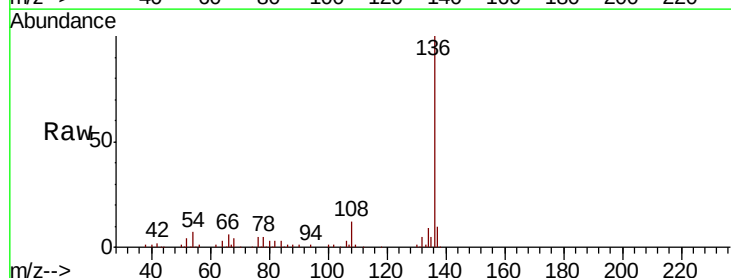
Ion Ratio Lower Upper

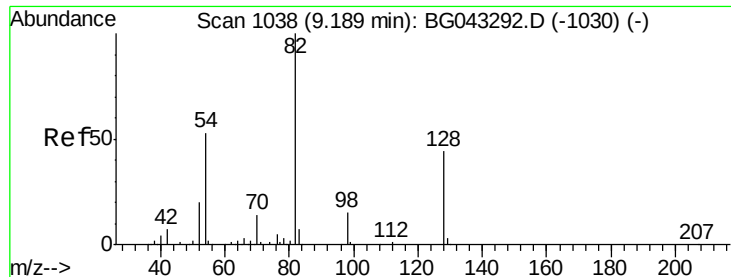
136 100

137 10.1 8.2 12.2

54 7.2 5.4 8.2

68 4.4 3.3 4.9





#23

Nitrobenzene-d5

Concen: 68.524 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

Instrument :

BNA_G

ClientSampled :

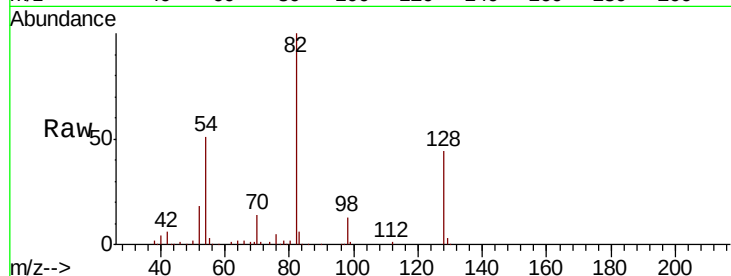
Tot Ion: 82 Resp: 214448

Ion Ratio Lower Upper

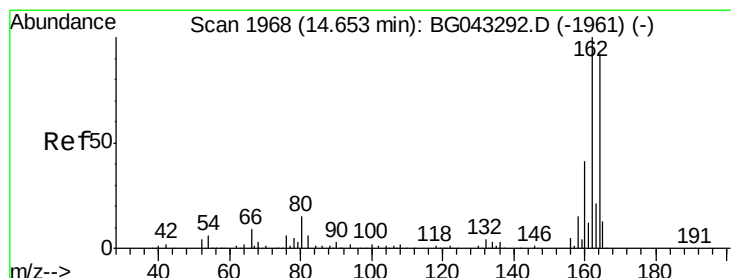
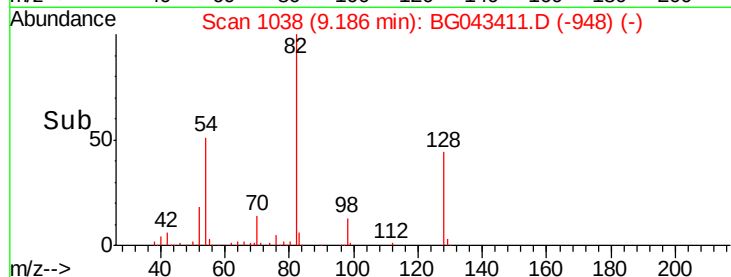
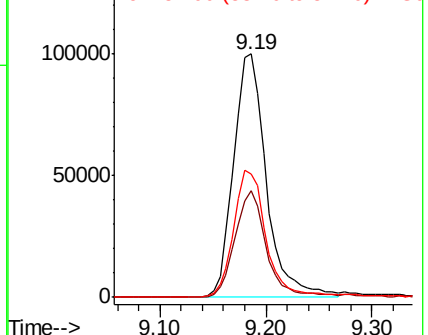
82 100

128 43.9 35.3 52.9

54 50.6 42.3 63.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
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: BG043411.D

Acq: 30 Oct 2019 21:50

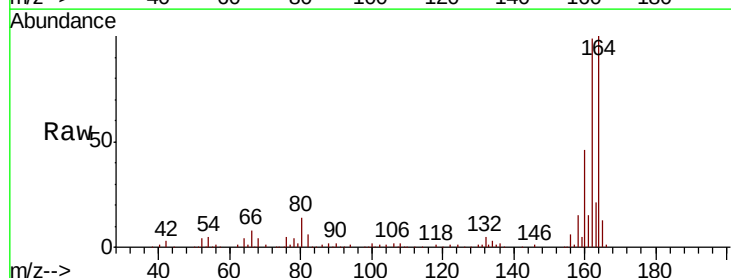
Tgt Ion:164 Resp: 124417

Ion Ratio Lower Upper

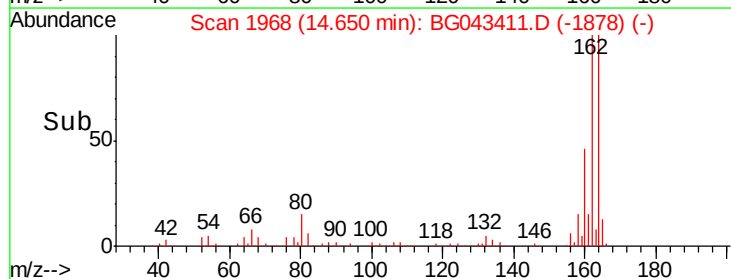
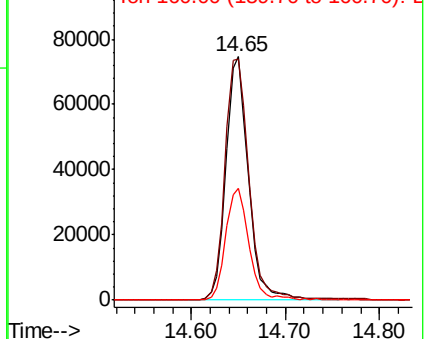
164 100

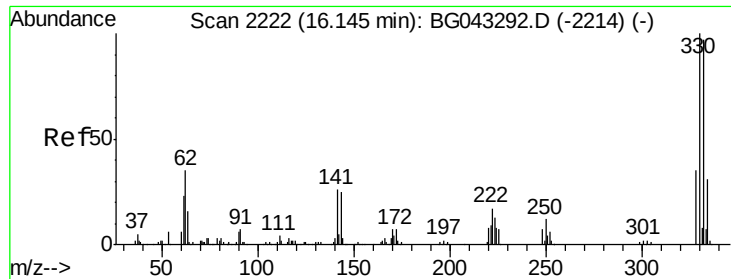
162 99.1 87.0 130.4

160 46.0 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

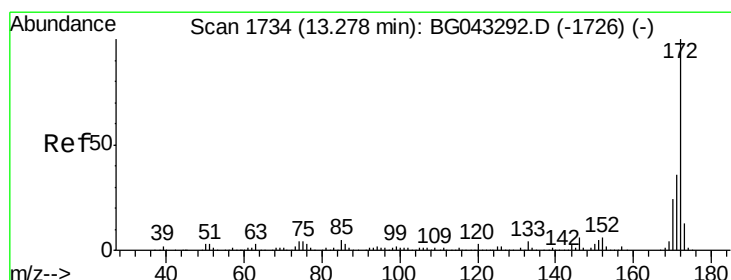
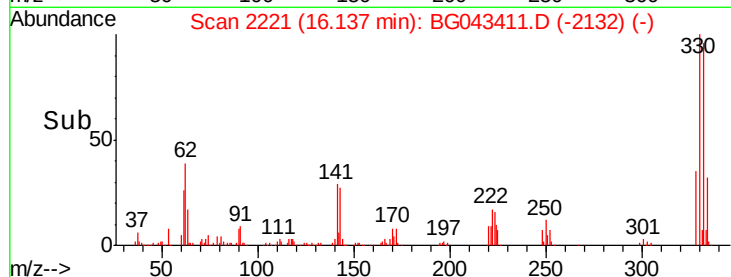
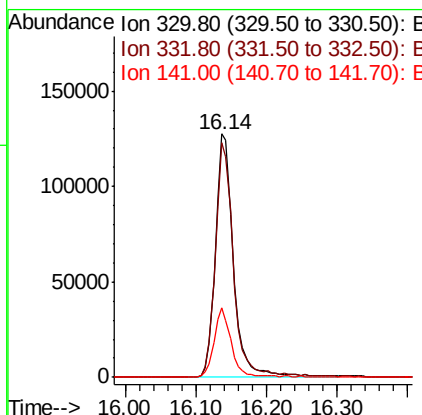
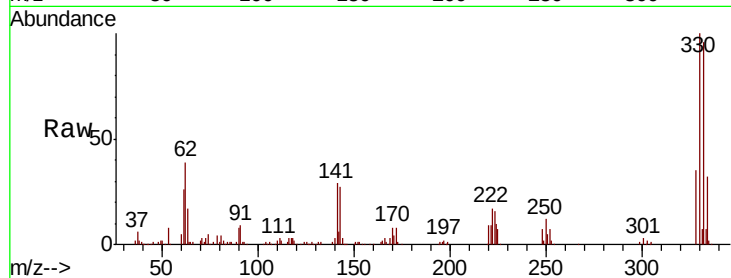




#42
 2,4,6-Tribromophenol
 Concen: 96.086 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043411.D
 Acq: 30 Oct 2019 21:50

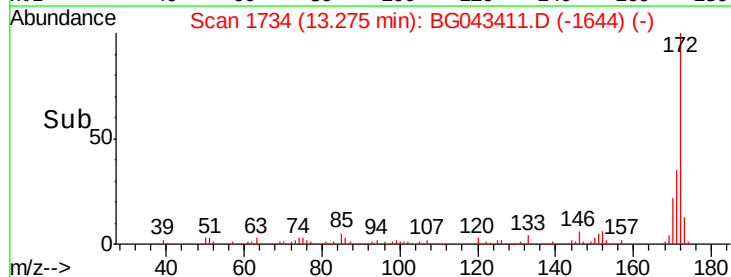
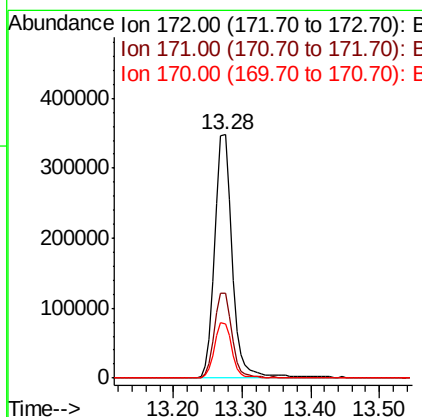
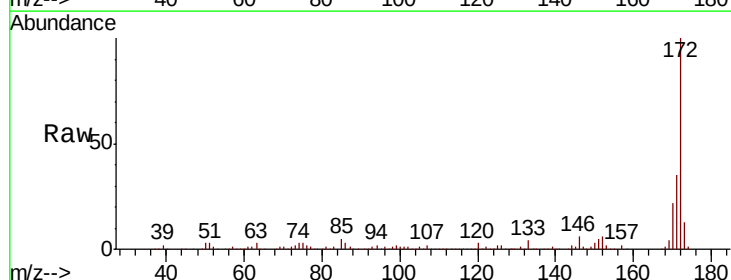
Instrument :
 BNA_G
 ClientSampleId :

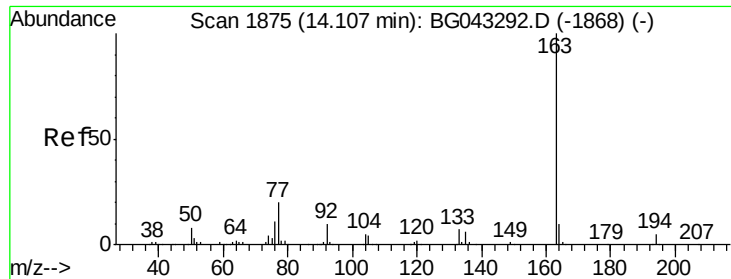
Tot Ion	330	Resp	227498
Ion Ratio	100		
Lower	76.4		
Upper	114.6		
332	96.3		
141	27.1		
	21.4		
	32.0		



#45
 2-Fluorobiphenyl
 Concen: 68.848 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043411.D
 Acq: 30 Oct 2019 21:50

Tgt Ion	172	Resp	619902
Ion Ratio	100		
Lower	28.5		
Upper	42.7		
171	35.1		
170	22.2		
	18.8		
	28.2		

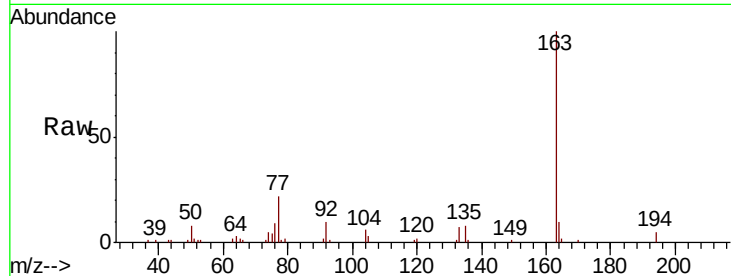




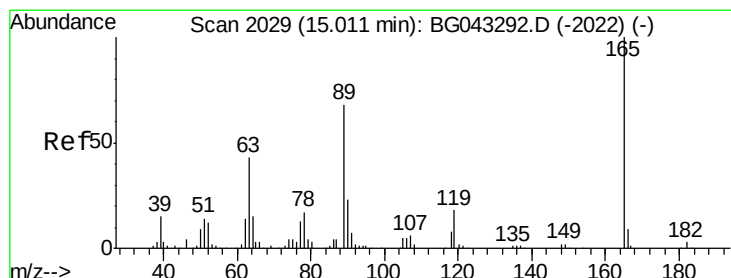
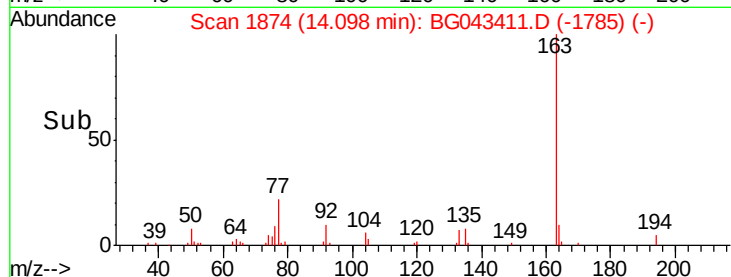
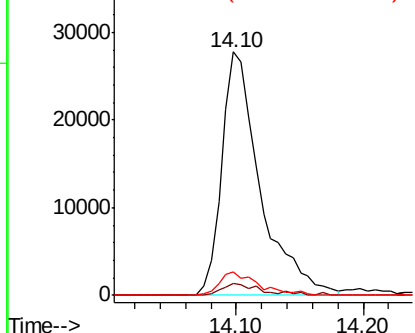
#50
Dimethylphthalate
Concen: 6.046 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043411.D
Acq: 30 Oct 2019 21:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 58261
Ion Ratio Lower Upper
163 100
194 4.7 3.7 5.5
164 9.6 8.1 12.1

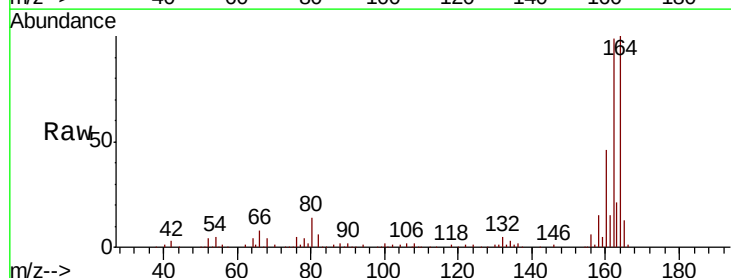


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

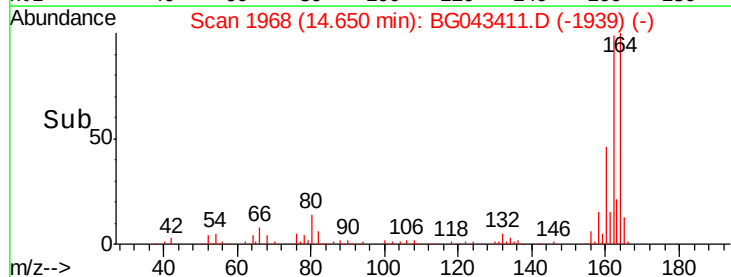
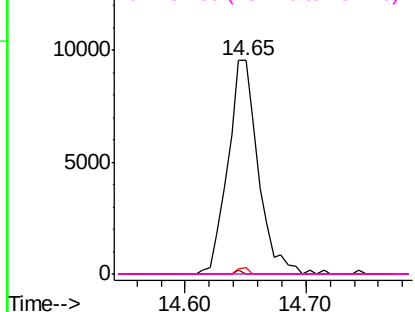


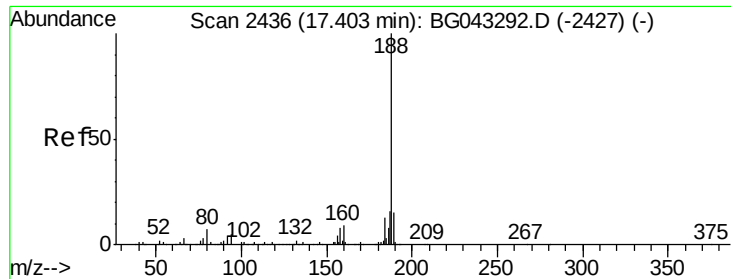
#57
2,4-Dinitrotoluene
Concen: 5.553 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG043411.D
Acq: 30 Oct 2019 21:50

Tgt Ion:165 Resp: 16614
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): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

Instrument :

BNA_G

ClientSampled :

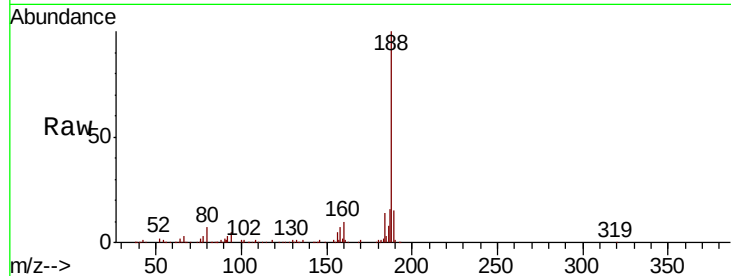
Tot Ion:188 Resp: 284175

Ion Ratio Lower Upper

188 100

94 5.4 4.2 6.2

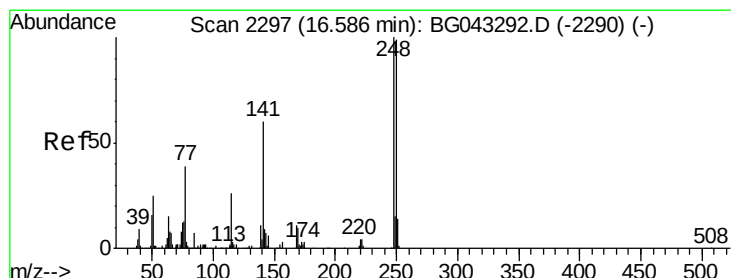
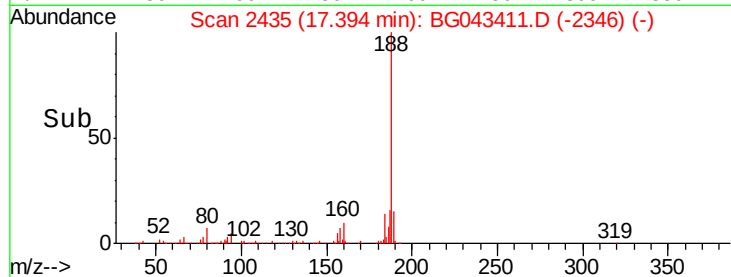
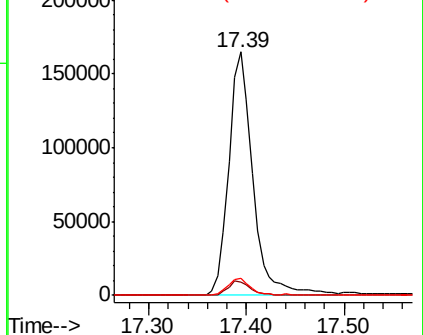
80 7.2 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.792 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

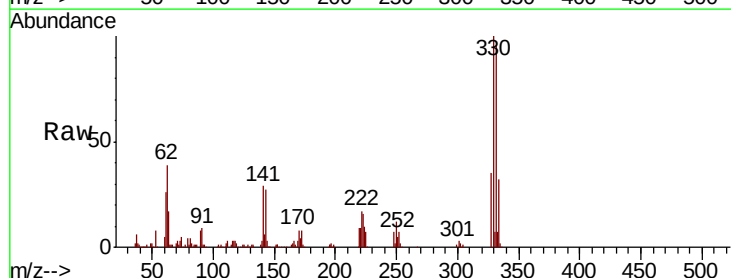
Tgt Ion:248 Resp: 14502

Ion Ratio Lower Upper

248 100

250 174.5 79.3 118.9#

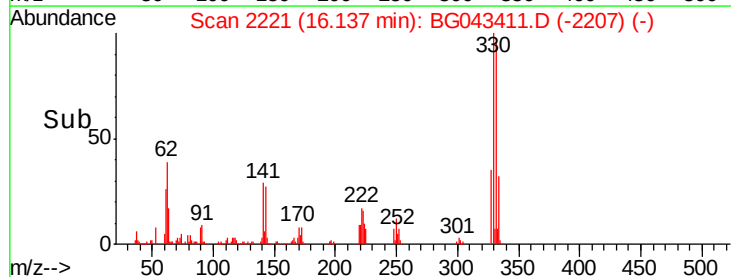
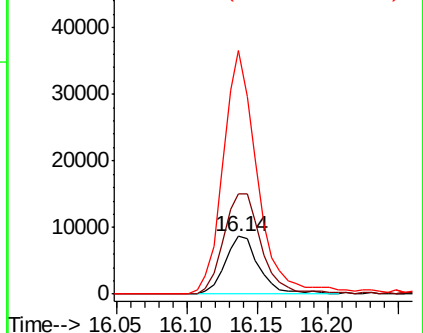
141 421.1 47.9 71.9#

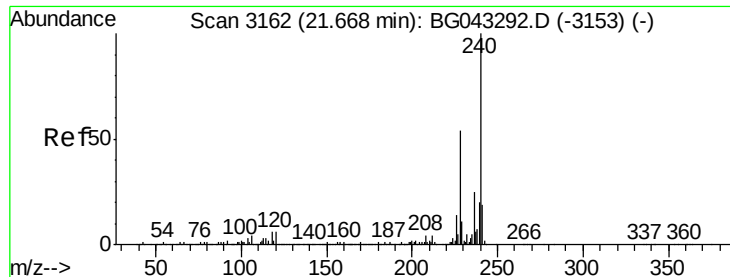


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043411.D

Acq: 30 Oct 2019 21:50

Instrument :

BNA_G

ClientSampleId :

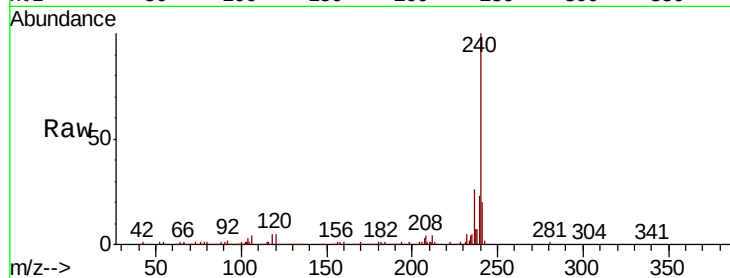
Tot Ion:240 Resp: 316225

Ion Ratio Lower Upper

240 100

120 4.6 4.6 7.0#

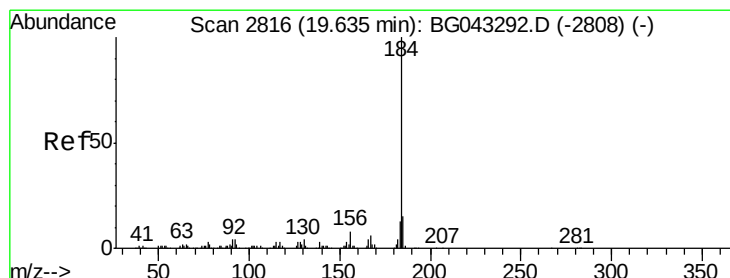
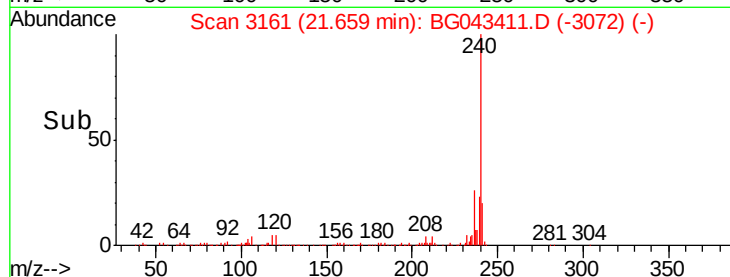
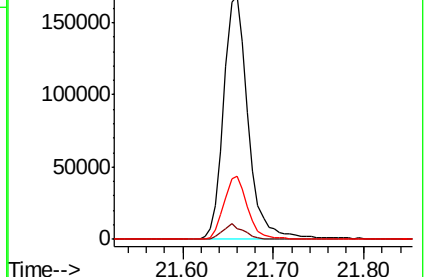
236 25.7 20.2 30.4



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



#77

Benzidine

Concen: 2.598 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

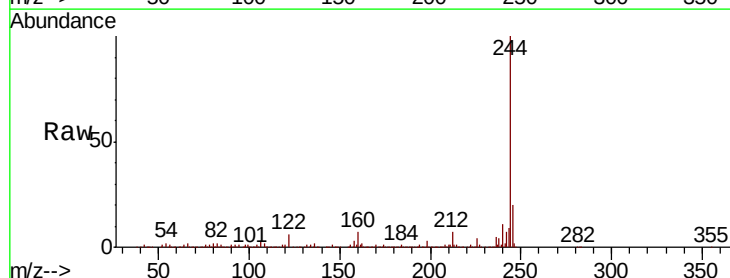
Tgt Ion:184 Resp: 16535

Ion Ratio Lower Upper

184 100

185 19.1 11.8 17.6#

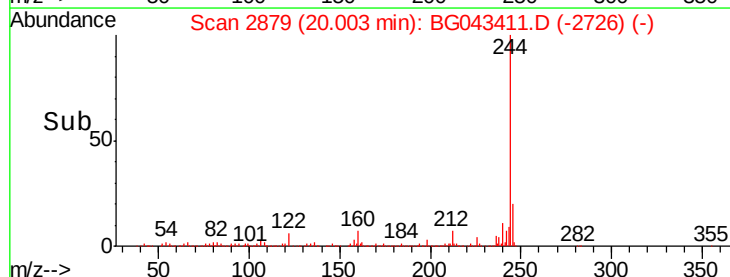
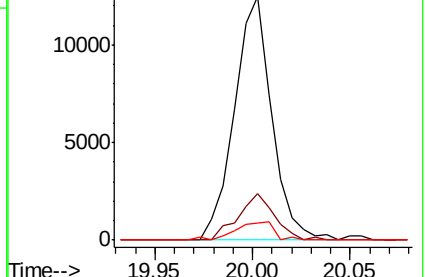
183 7.0 10.6 16.0#

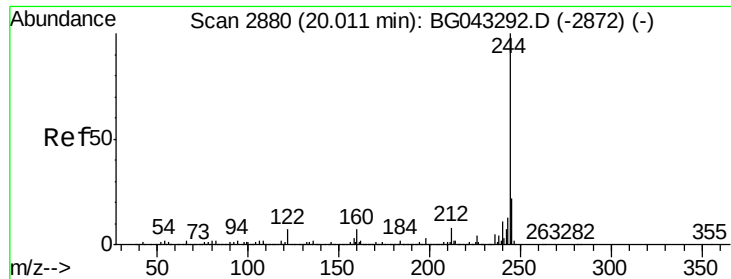


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 70.595 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

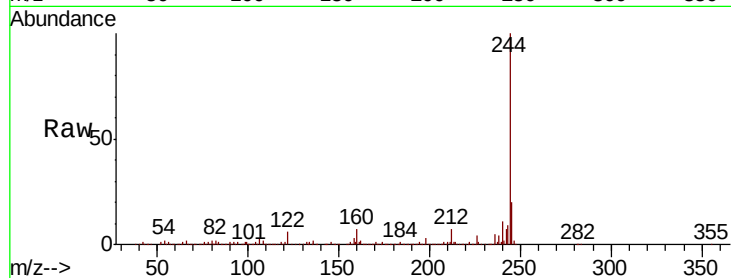
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1189938

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	6.5	5.3	7.9

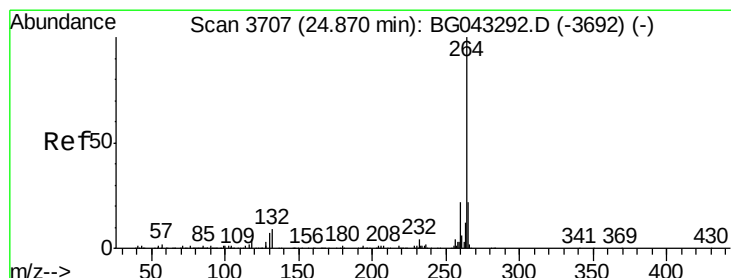
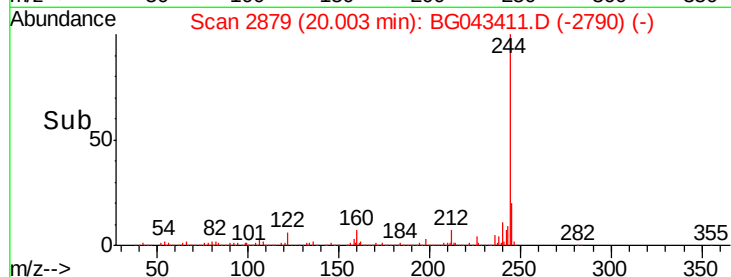
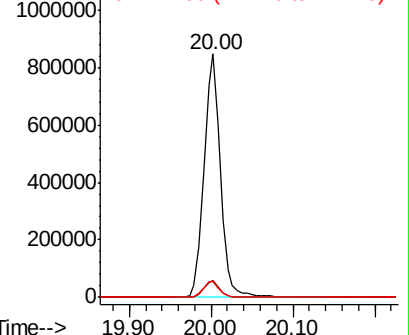


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

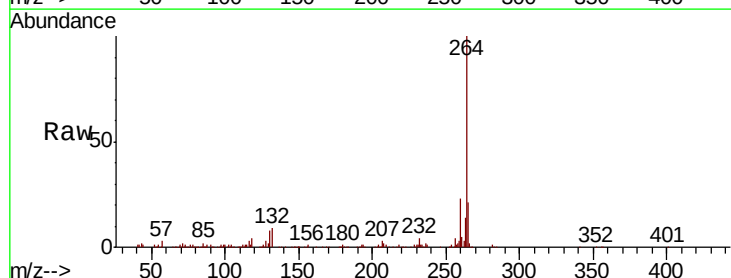
Delta R.T. -0.01 min

Lab File: BG043411.D

Acq: 30 Oct 2019 21:50

Tgt Ion:264 Resp: 366566

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.9	26.9
265	21.0	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

