

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102219\
 Data File : BG043306.D
 Acq On : 22 Oct 2019 14:30
 Operator : JU
 Sample : K5453-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT1496

Quant Time: Oct 22 18:26:16 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

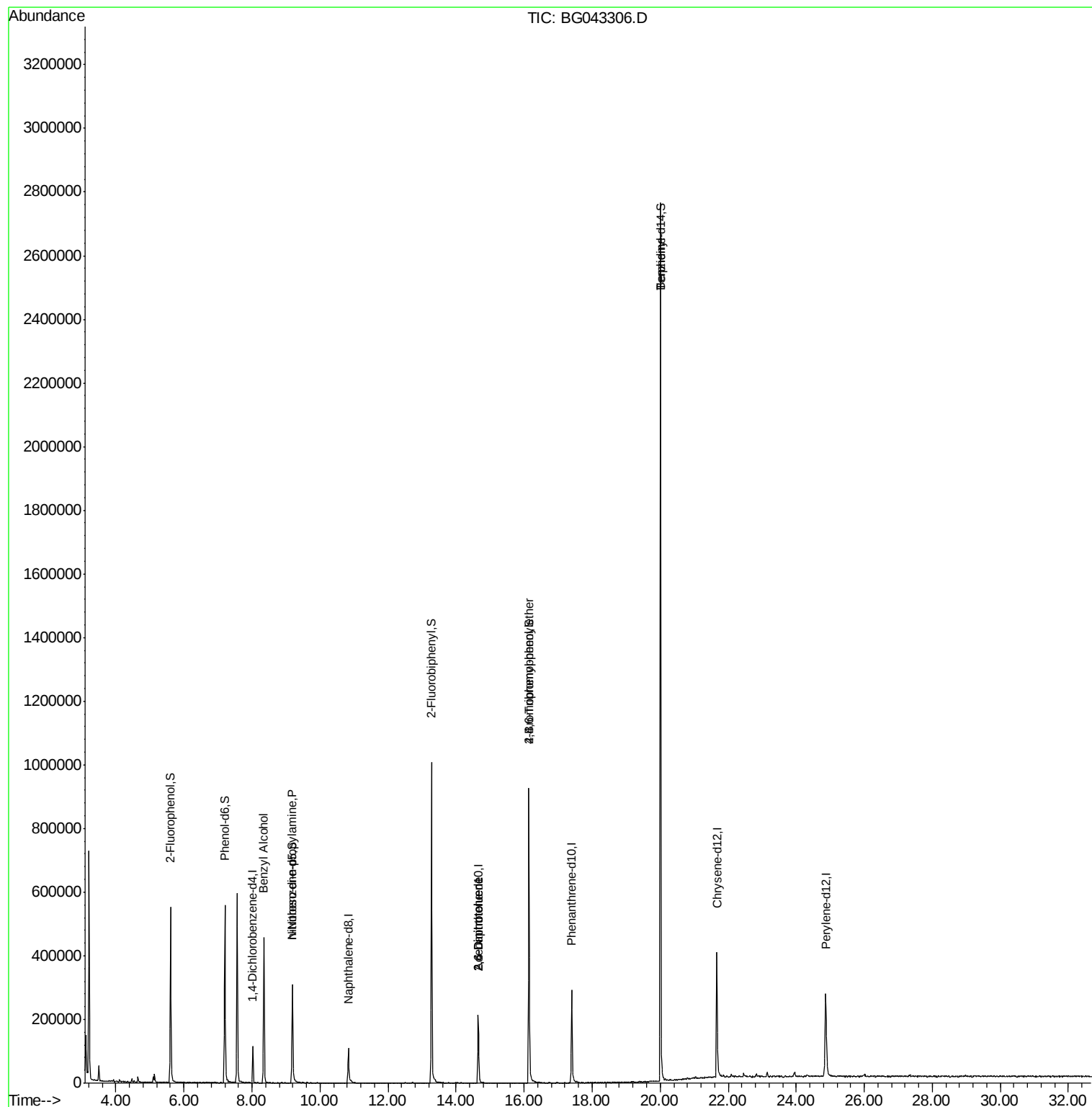
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	35280	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	110732	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	88814	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	220426	20.00	ng	0.00
76) Chrysene-d12	21.67	240	294769	20.00	ng	0.00
87) Perylene-d12	24.87	264	335181	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	255398	132.65	ng	0.00
7) Phenol-d6	7.20	99	337465	121.83	ng	0.00
23) Nitrobenzene-d5	9.19	82	214111	99.69	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	241825	143.08	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	592730	92.22	ng	0.00
79) Terphenyl-d14	20.01	244	1462070	93.05	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3919	2.014	ng	# 40
19) n-Nitroso-di-n-propylamine	9.19	70	29581	16.526	ng	# 71
51) 2,6-Dinitrotoluene	14.66	165	12135	8.120	ng	# 23
57) 2,4-Dinitrotoluene	14.66	165	12135	5.682	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	14992	5.054	ng	# 1
77) Benzidine	20.01	184	23284	3.925	ng	# 92

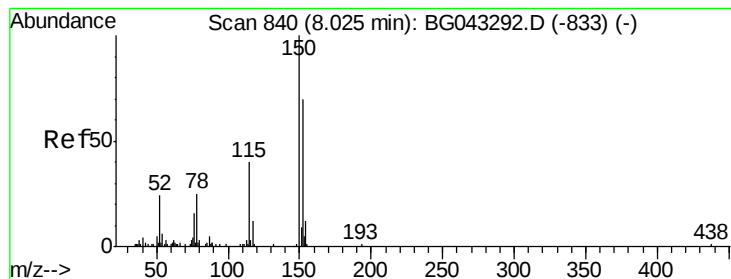
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG043306.D

Acq: 22 Oct 2019 14:30

Instrument :

BNA_G

ClientSampleId :

RT1496

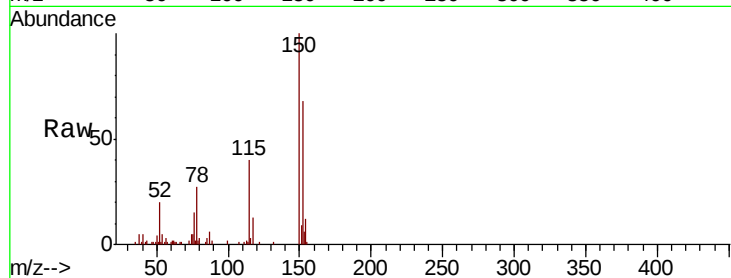
Tot Ion:152 Resp: 35280

Ion Ratio Lower Upper

152 100

150 147.1 113.6 170.4

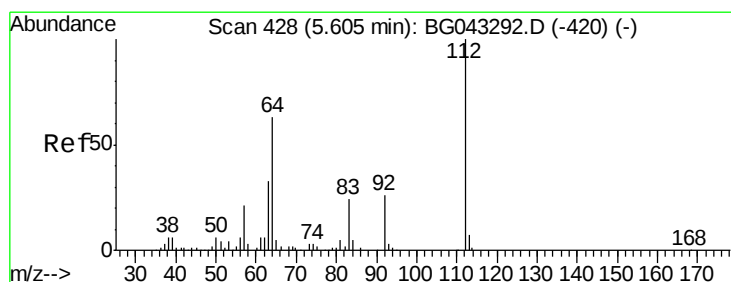
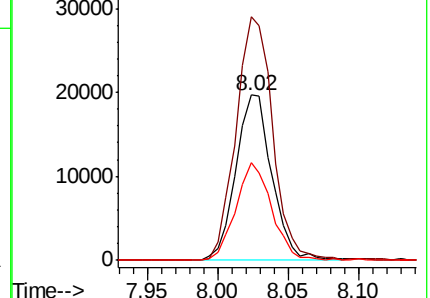
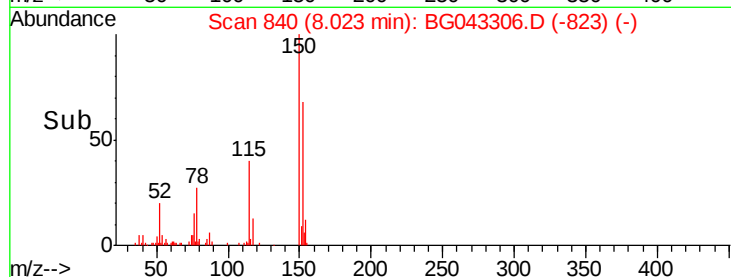
115 59.3 45.9 68.9



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: 132.654 ng

RT: 5.61 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

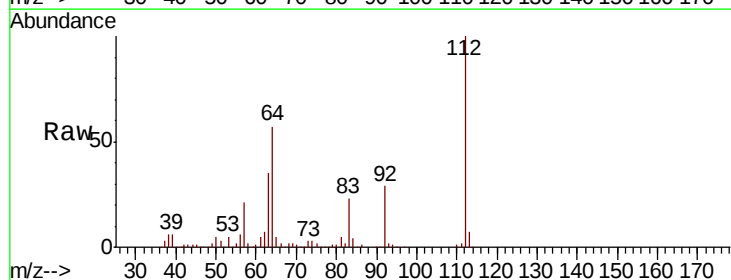
Tgt Ion:112 Resp: 255398

Ion Ratio Lower Upper

112 100

64 57.4 50.2 75.2

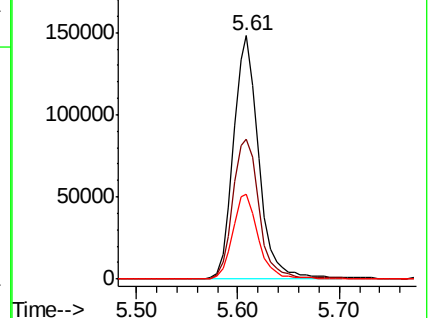
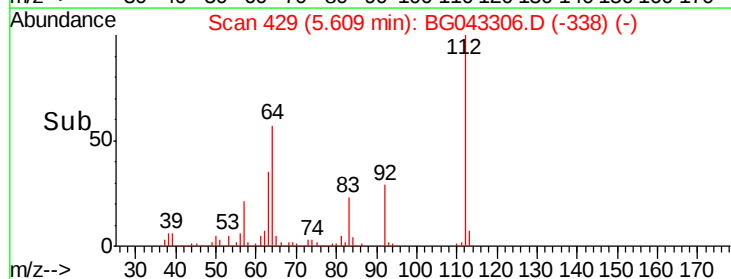
63 34.7 26.7 40.1

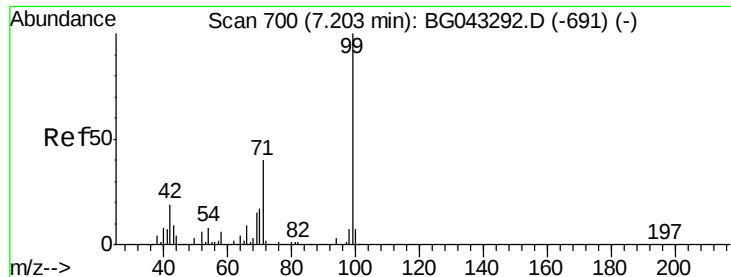


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.827 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

Instrument :

BNA_G

ClientSampleId :

RT1496

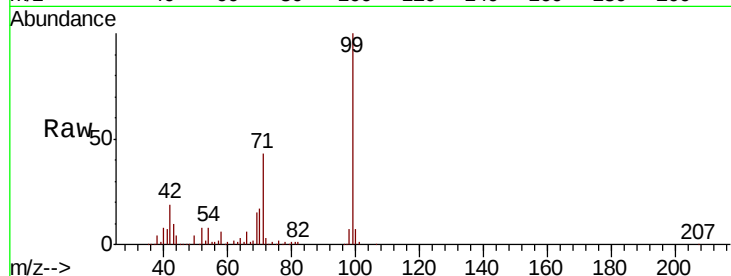
Tot Ion: 99 Resp: 337465

Ion Ratio Lower Upper

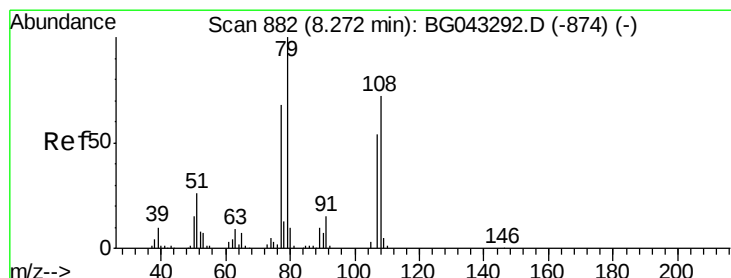
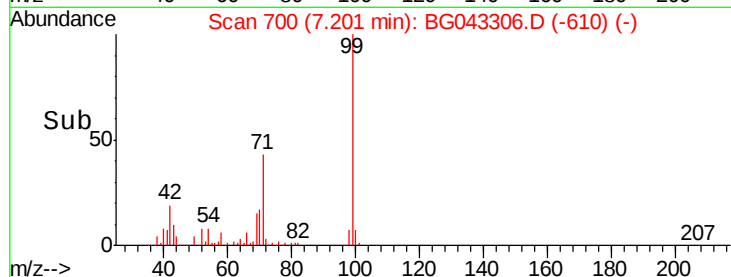
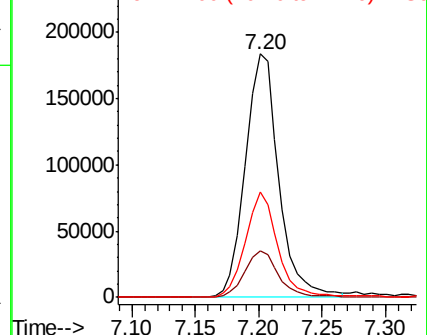
99 100

42 19.1 14.9 22.3

71 43.1 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



#15

Benzyl Alcohol

Concen: 2.014 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

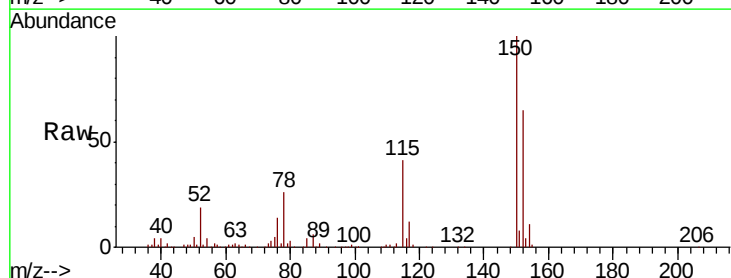
Tgt Ion: 79 Resp: 3919

Ion Ratio Lower Upper

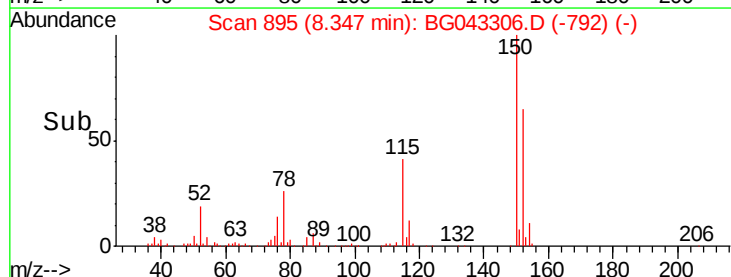
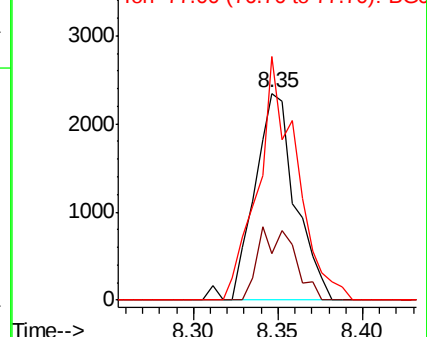
79 100

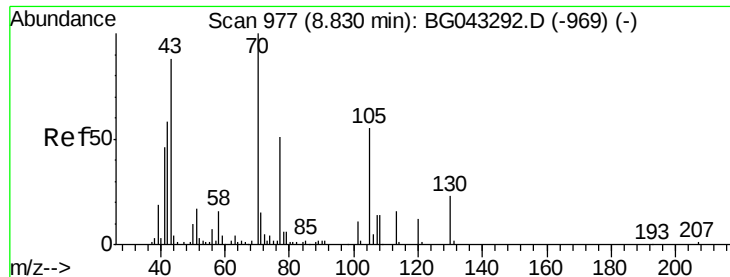
108 22.4 57.3 85.9#

77 117.6 54.6 81.8#



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: 16.526 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

Instrument :

BNA_G

ClientSampleId :

RT1496

Tot Ion: 70 Resp: 29581

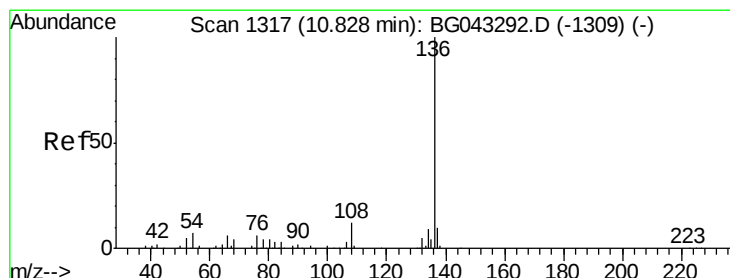
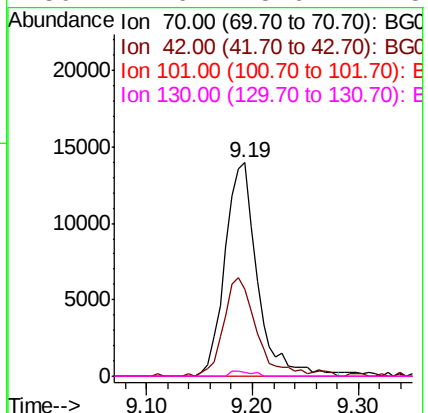
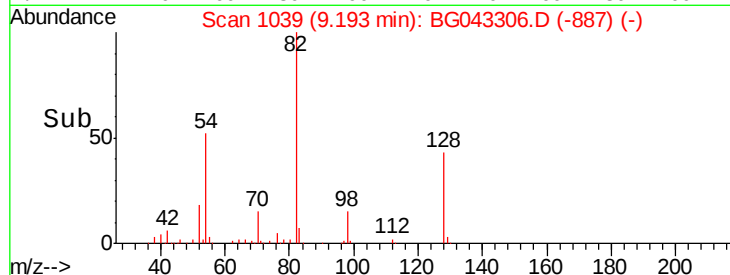
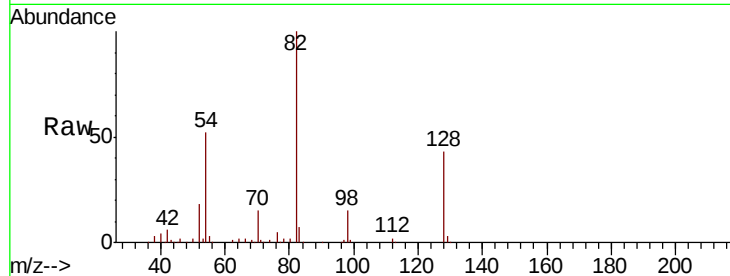
Ion Ratio Lower Upper

70 100

42 40.9 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: BG043306.D

Acq: 22 Oct 2019 14:30

Tgt Ion: 136 Resp: 110732

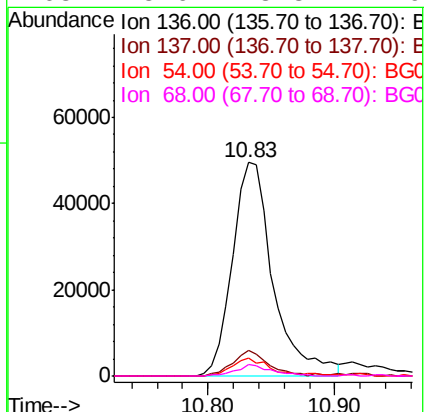
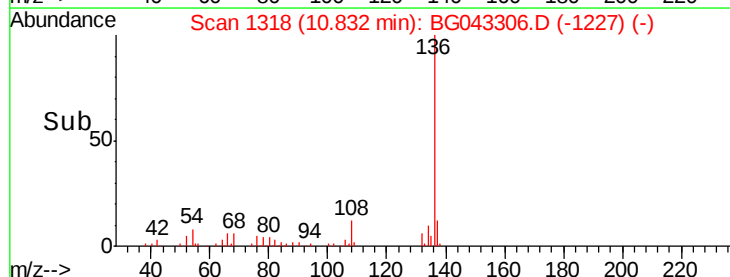
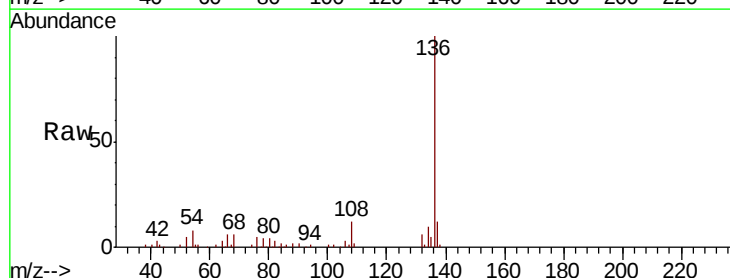
Ion Ratio Lower Upper

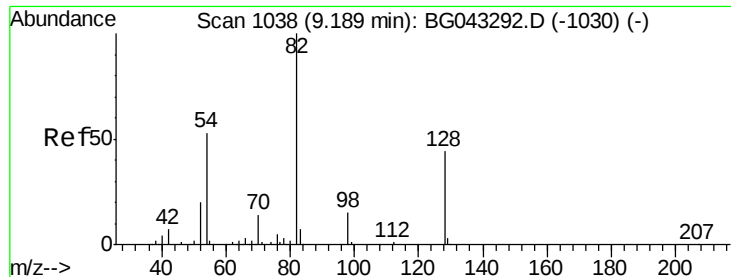
136 100

137 11.9 8.2 12.2

54 8.1 5.4 8.2

68 5.6 3.3 4.9#

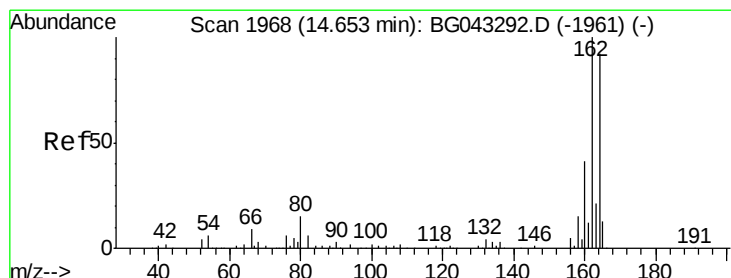
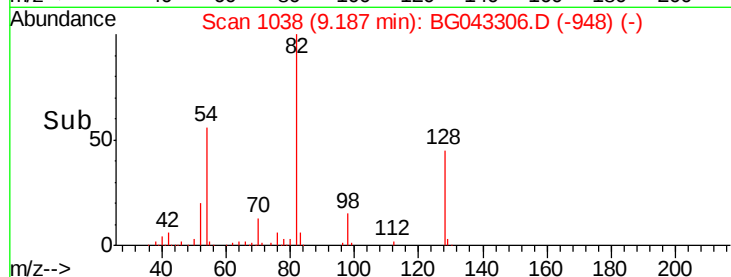
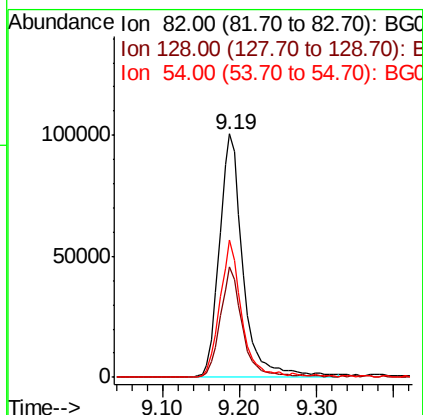
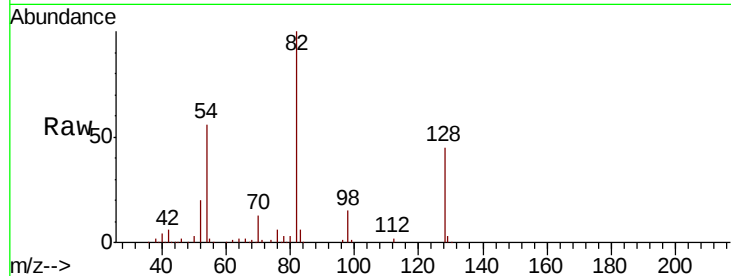




#23
Nitrobenzene-d5
Concen: 99.686 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043306.D
Acq: 22 Oct 2019 14:30

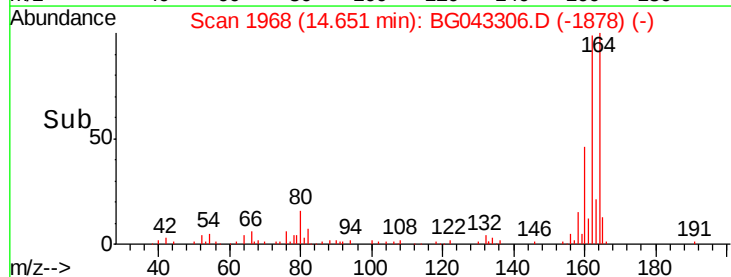
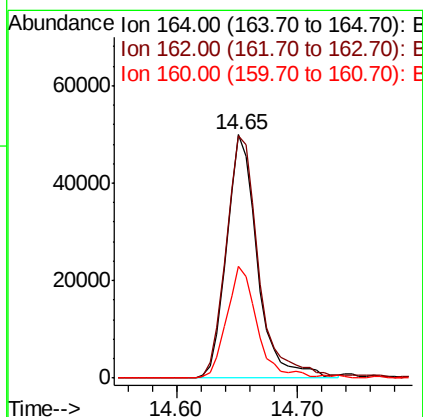
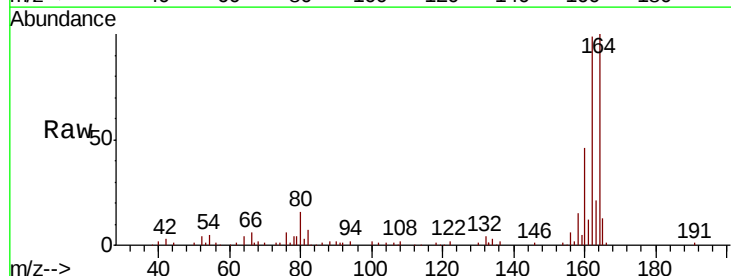
Instrument :
BNA_G
ClientSampleId :
RT1496

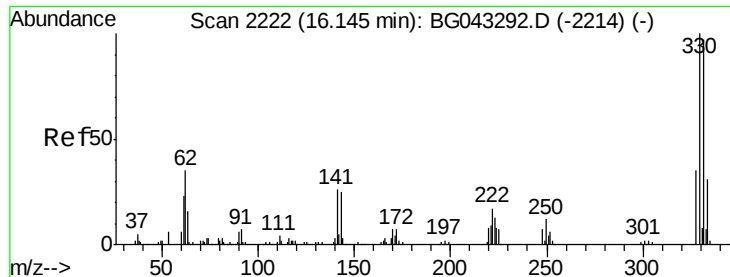
Tot Ion	82	Resp	214111
Ion Ratio	Lower	Upper	
82	100		
128	45.2	35.3	52.9
54	56.3	42.3	63.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043306.D
Acq: 22 Oct 2019 14:30

Tgt Ion	164	Resp	88814
Ion Ratio	Lower	Upper	
164	100		
162	99.3	87.0	130.4
160	45.7	35.5	53.3

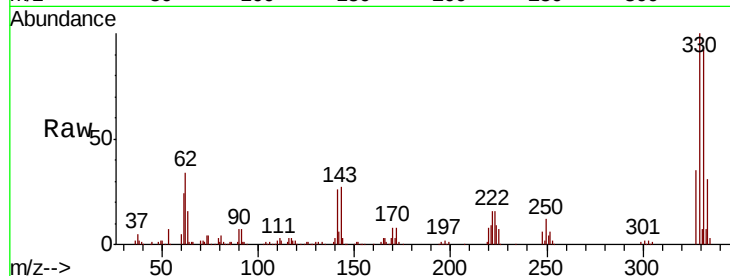




#42
2,4,6-Tribromophenol
Concen: 143.080 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG043306.D
Acq: 22 Oct 2019 14:30

Instrument :
BNA_G
ClientSampleId :
RT1496

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.4	114.6
141	27.6	21.4	32.0

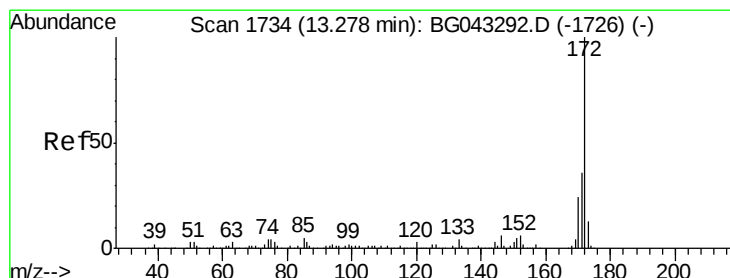
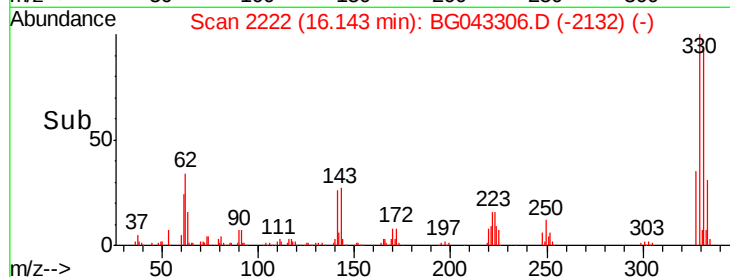
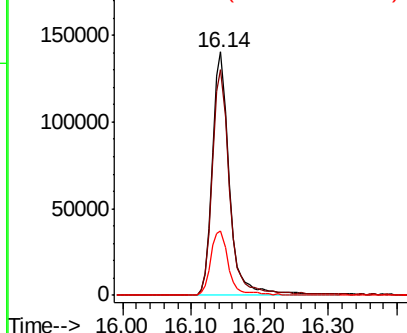


Abundance

Ion 329.80 (329.50 to 330.50): E

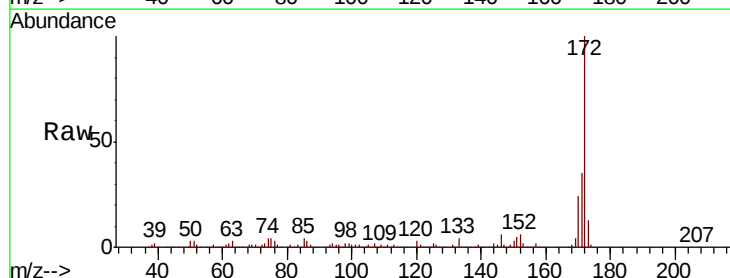
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 92.219 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043306.D
Acq: 22 Oct 2019 14:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.1	18.8	28.2

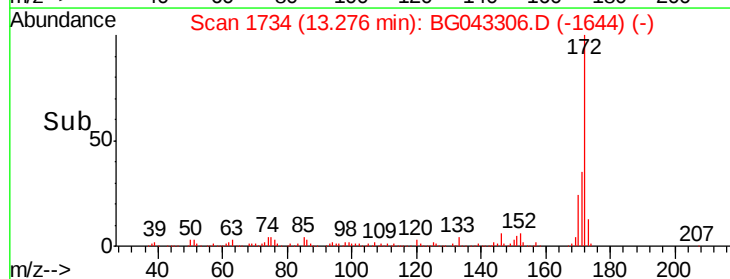
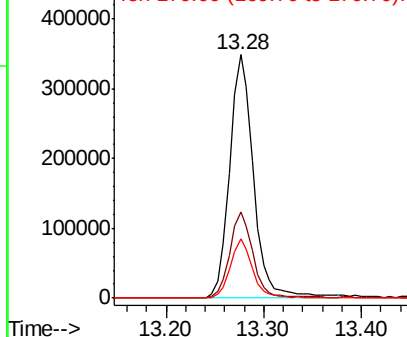


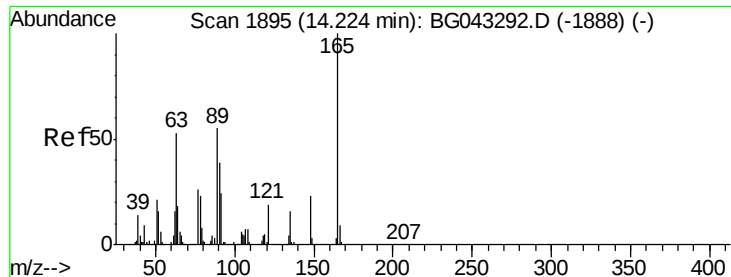
Abundance

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

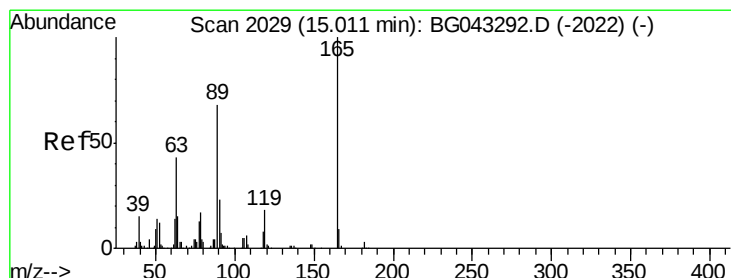
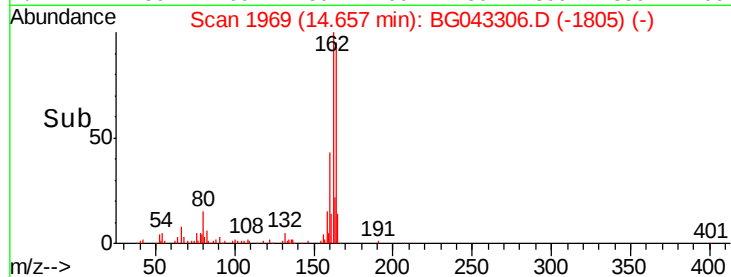
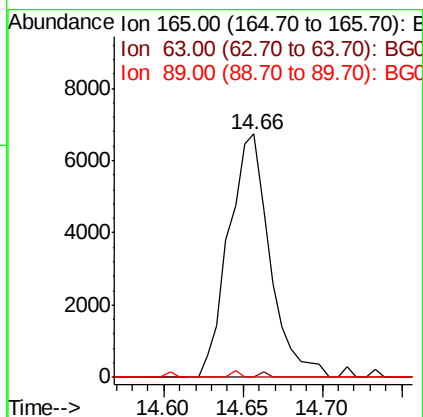
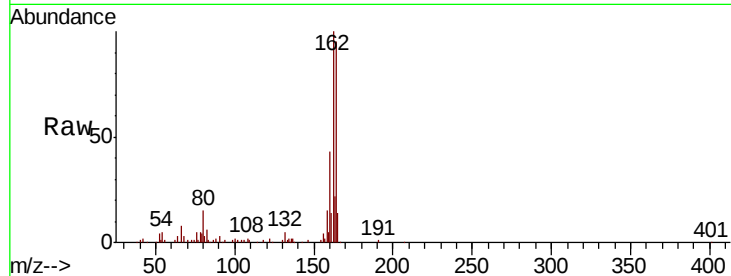




#51
 2,6-Dinitrotoluene
 Concen: 8.120 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG043306.D
 Acq: 22 Oct 2019 14:30

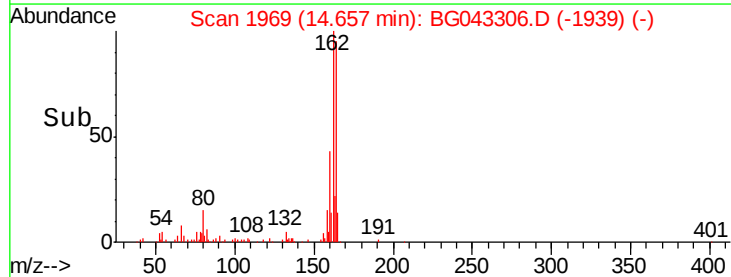
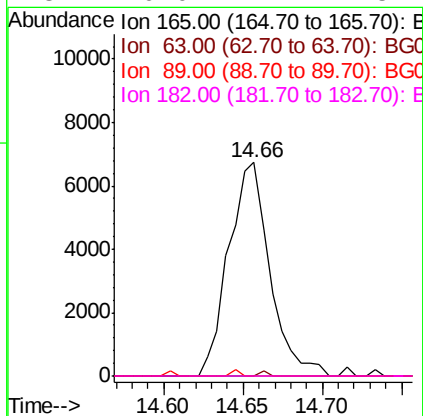
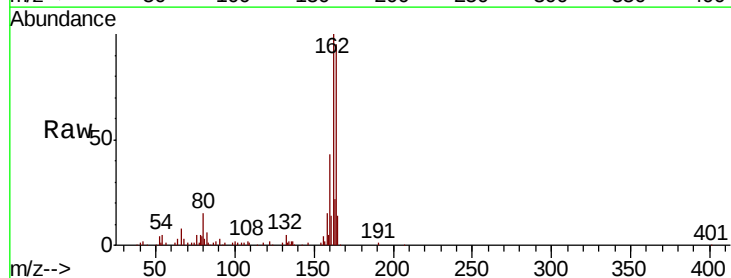
Instrument :
 BNA_G
 ClientSampleId :
 RT1496

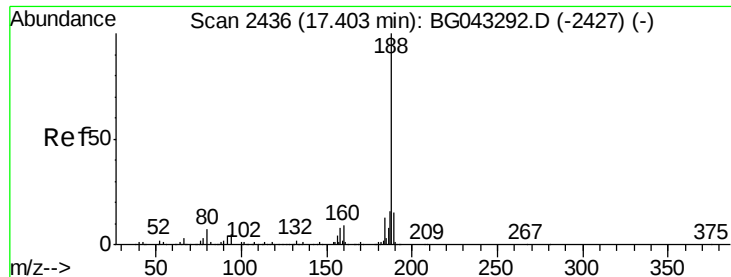
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.1	70.7#
89	0.0	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.682 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.35 min
 Lab File: BG043306.D
 Acq: 22 Oct 2019 14:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	0.0	54.1	81.1#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

Instrument :

BNA_G

ClientSampleId :

RT1496

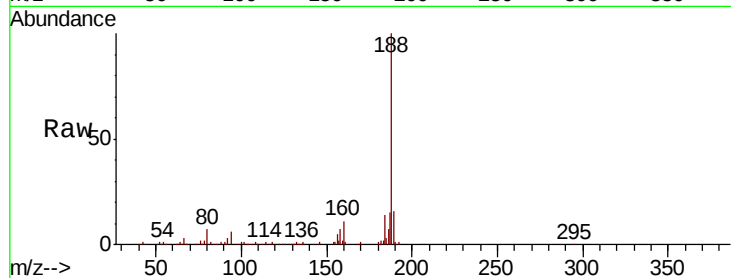
Tot Ion:188 Resp: 220426

Ion Ratio Lower Upper

188 100

94 5.9 4.2 6.2

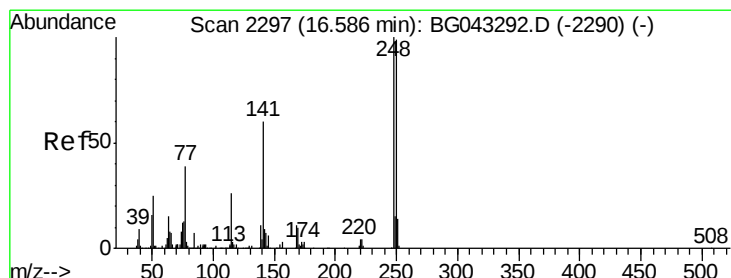
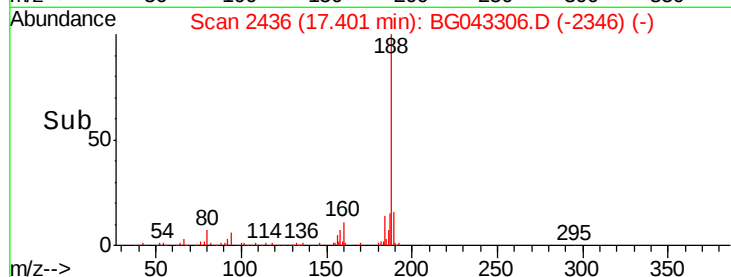
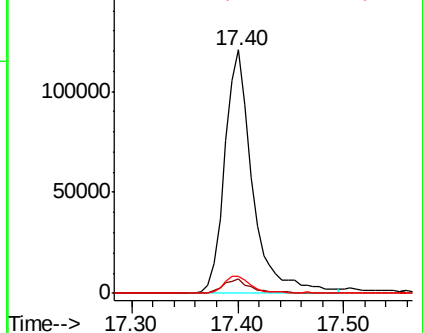
80 6.8 5.2 7.8



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: 5.054 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

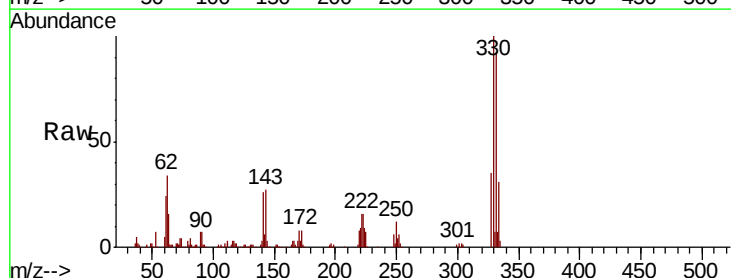
Tgt Ion:248 Resp: 14992

Ion Ratio Lower Upper

248 100

250 196.6 79.3 118.9#

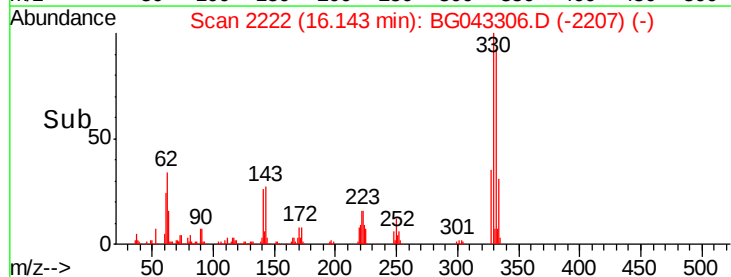
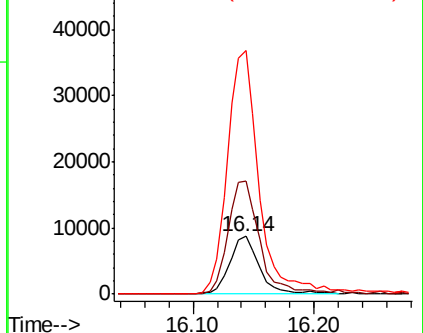
141 422.6 47.9 71.9#

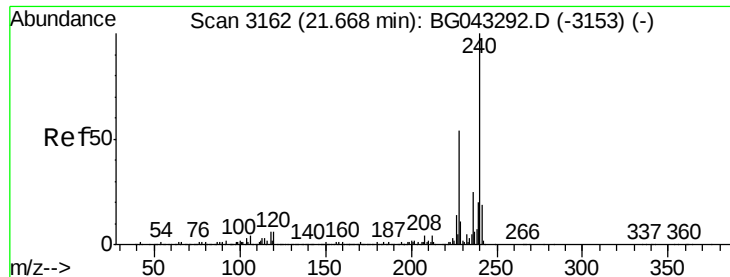


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

Instrument :

BNA_G

ClientSampleId :

RT1496

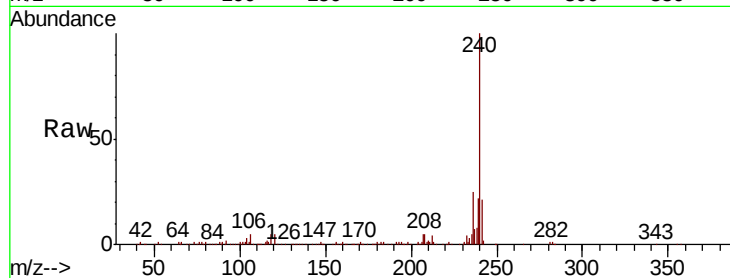
Tot Ion:240 Resp: 294769

Ion Ratio Lower Upper

240 100

120 4.8 4.6 7.0

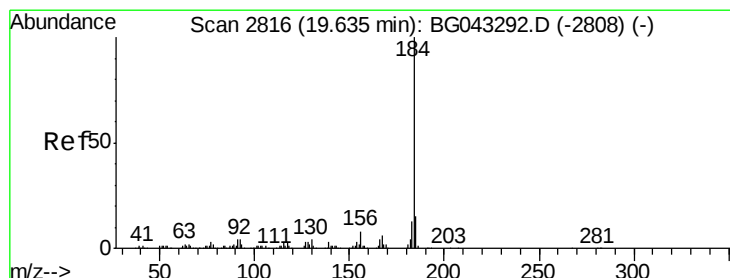
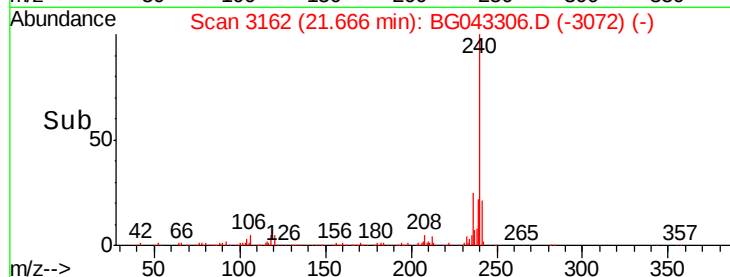
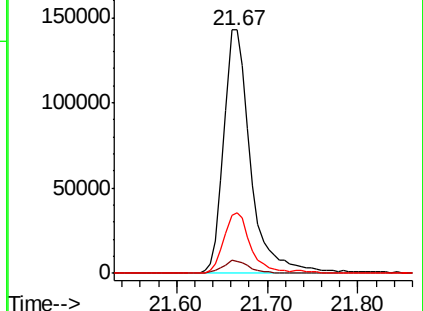
236 25.0 20.2 30.4



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: 3.925 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

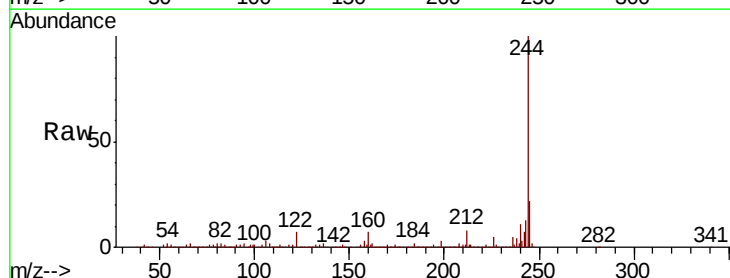
Tgt Ion:184 Resp: 23284

Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.6

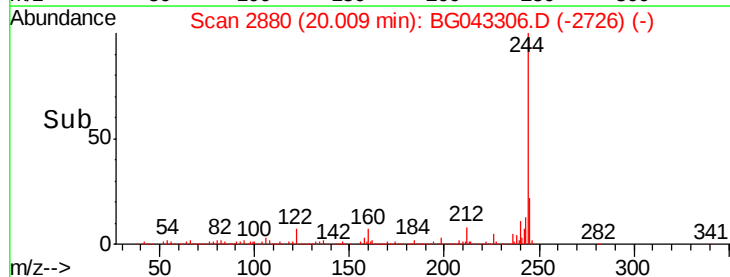
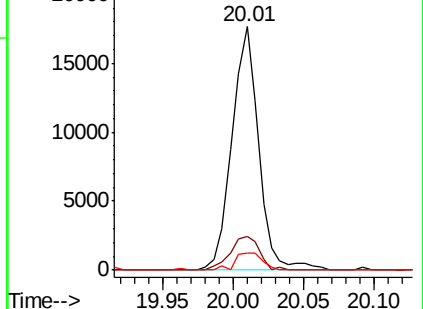
183 7.1 10.6 16.0#

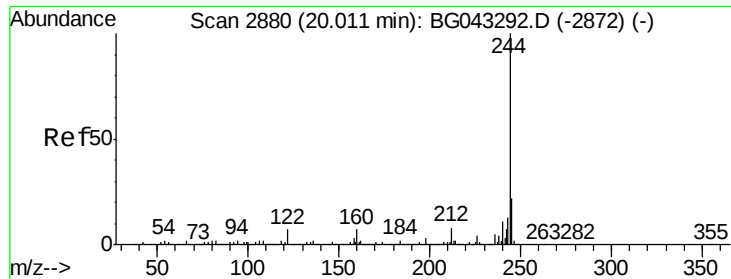


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 93.053 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

Instrument :

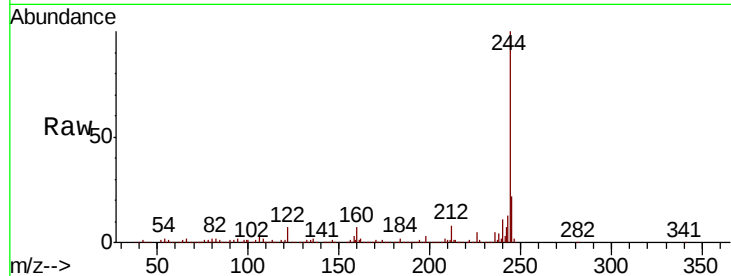
BNA_G

ClientSampled :

RT1496

Tot Ion:244 Resp: 1462070

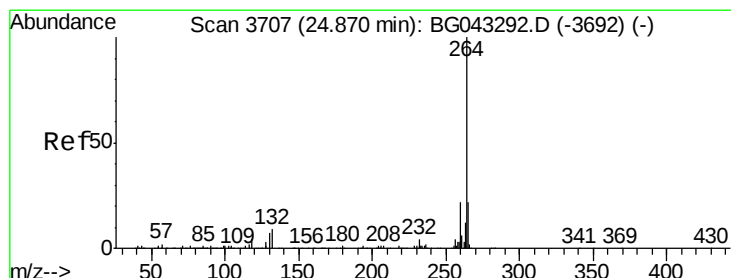
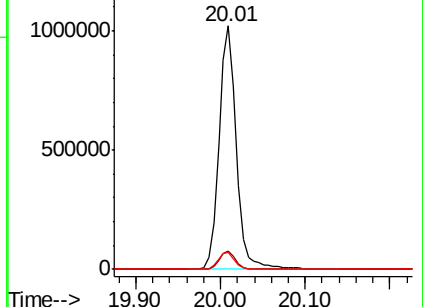
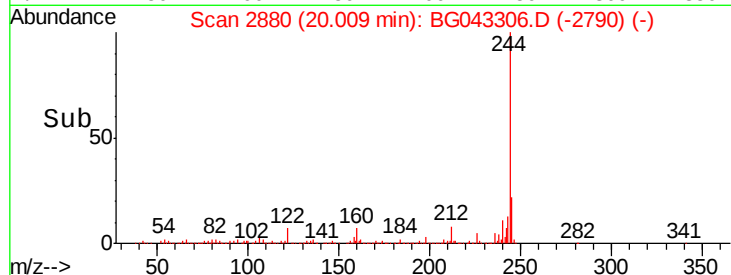
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	6.8	5.3	7.9



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: 24.87 min Scan# 3707

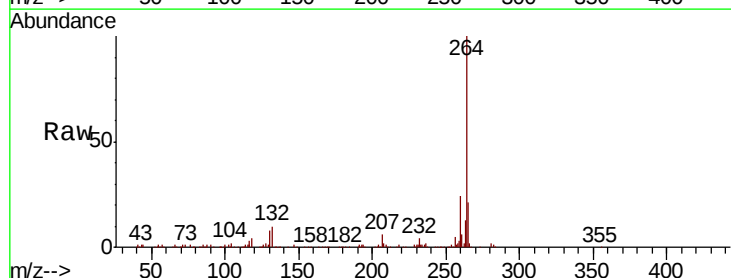
Delta R.T. -0.00 min

Lab File: BG043306.D

Acq: 22 Oct 2019 14:30

Tgt Ion:264 Resp: 335181

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.9	26.9
265	21.3	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

