

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045166.D
 Acq On : 24 Apr 2020 18:22
 Operator : CG/JU
 Sample : L2117-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:21:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	68480	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	256967	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	175730	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	425453	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	459832	20.00	ng	-0.01
87) Perylene-d12	24.82	264	487755	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	497268	119.88	ng	0.00
7) Phenol-d6	7.16	99	611350	99.20	ng	0.00
23) Nitrobenzene-d5	9.16	82	538875	95.69	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	394510	145.32	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	1211195	101.06	ng	0.00
79) Terphenyl-d14	20.00	244	2172636	102.98	ng	0.00

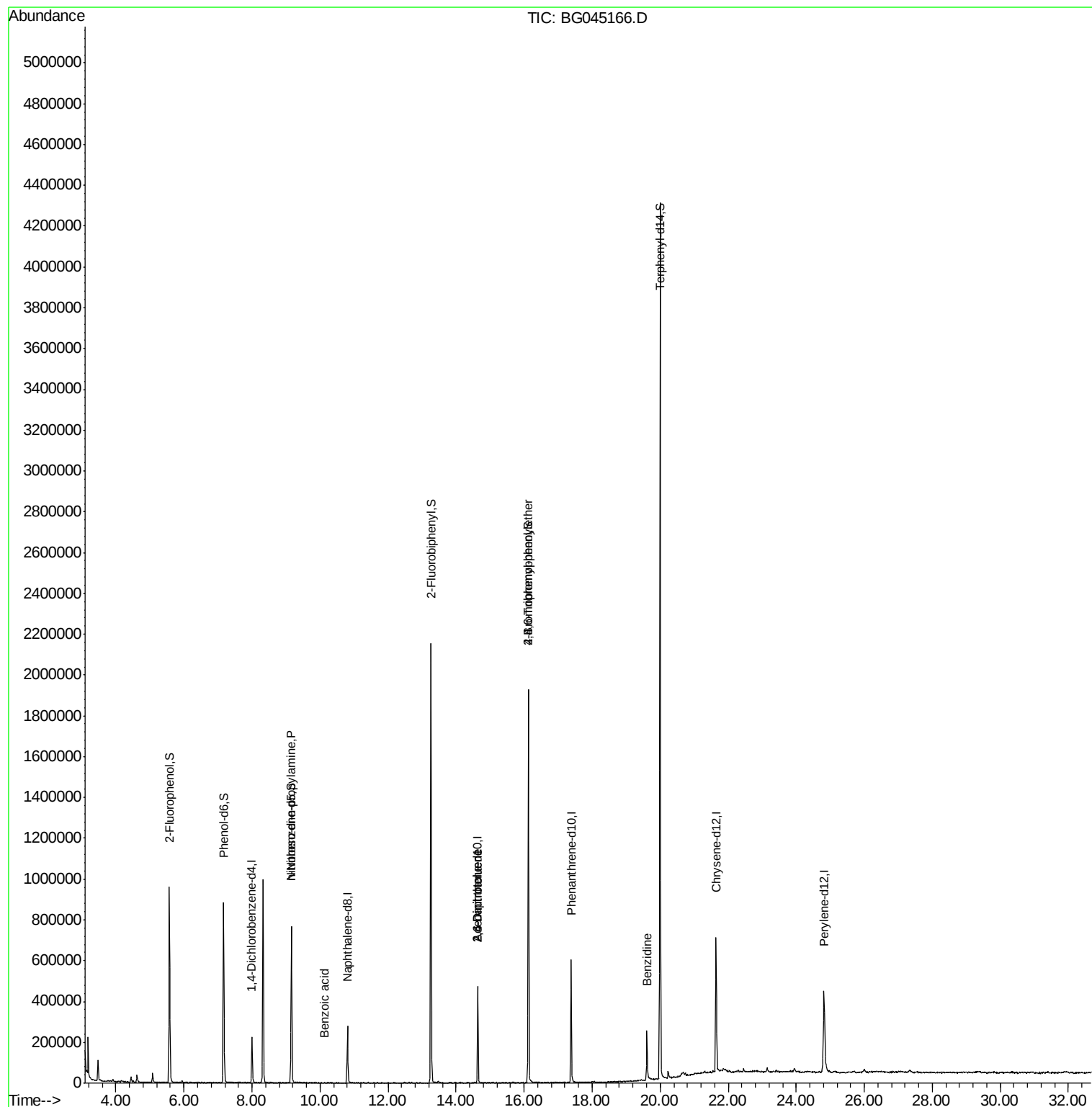
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	141	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	71747	16.462 ng	#	83
32) Benzoic acid	10.13	122	64	6.391 ng	#	1
51) 2,6-Dinitrotoluene	14.64	165	23243	7.262 ng	#	24
57) 2,4-Dinitrotoluene	14.64	165	23243	4.970 ng	#	22
67) 4-Bromophenyl-phenylether	16.12	248	26593	4.845 ng	#	1
74) Di-n-butylphthalate	18.36	149	1100	Below Cal	#	76
75) Fluoranthene	19.43	202	1178	Below Cal	#	62
77) Benzidine	19.61	184	178056	8.544 ng	#	93

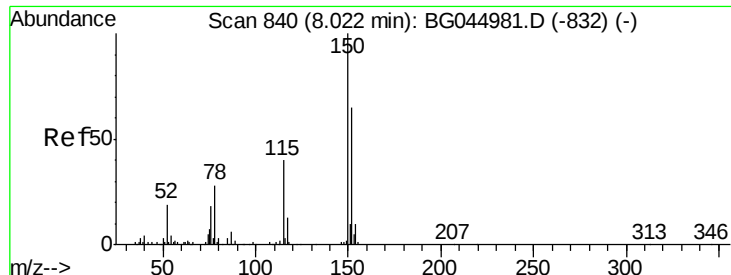
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Instrument :

BNA_G

ClientSampleId :

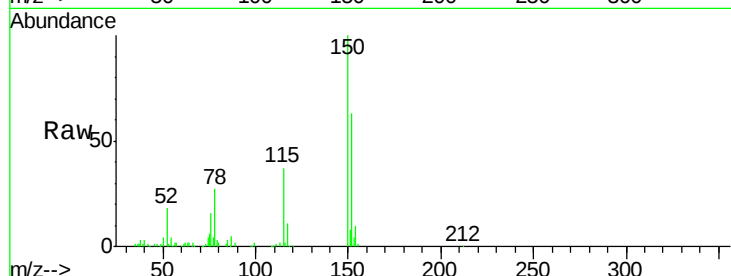
Tot Ion:152 Resp: 68480

Ion Ratio Lower Upper

152 100

150 158.6 123.6 185.4

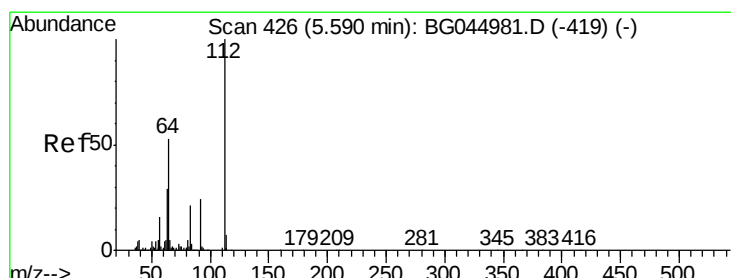
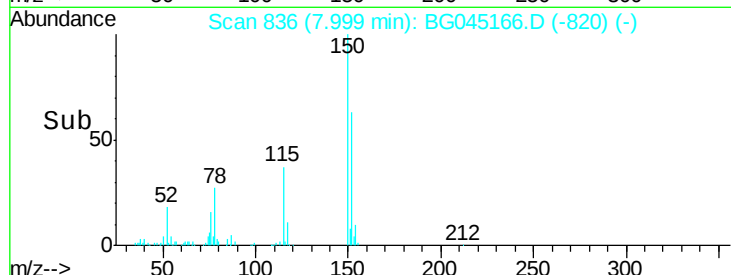
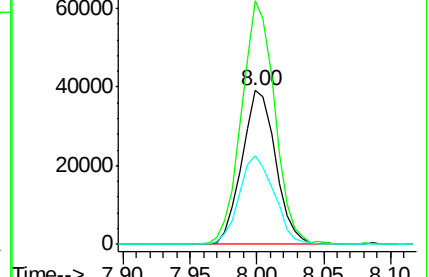
115 58.0 49.1 73.7



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: 119.884 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.01 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

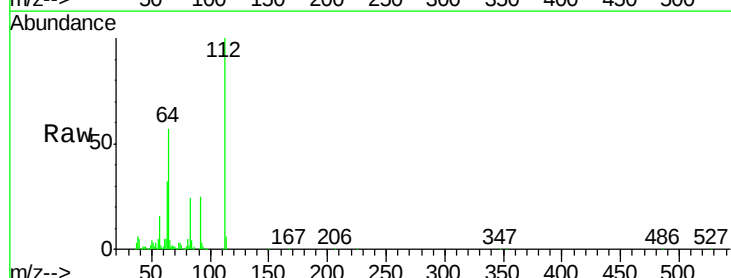
Tgt Ion:112 Resp: 497268

Ion Ratio Lower Upper

112 100

64 57.3 42.4 63.6

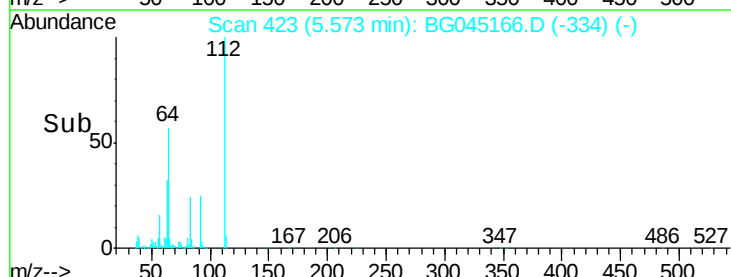
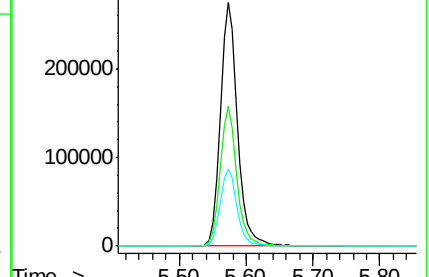
63 31.9 23.1 34.7

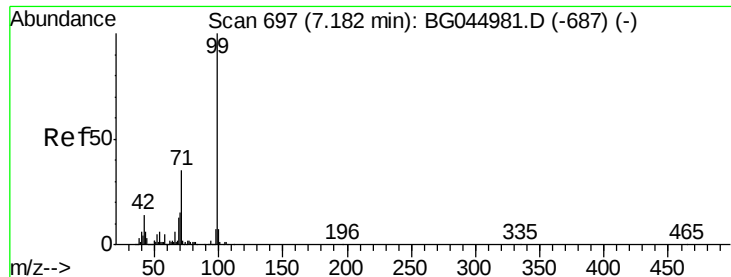


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 99.200 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Instrument :

BNA_G

ClientSampleId :

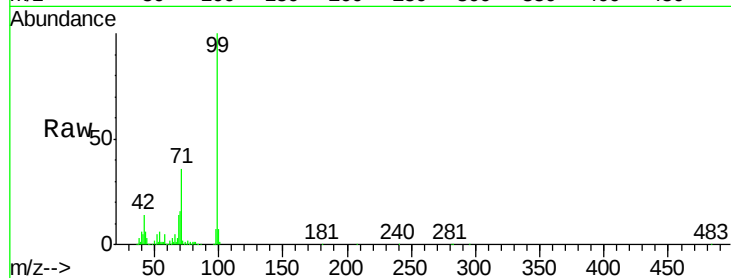
Tot Ion: 99 Resp: 611350

Ion Ratio Lower Upper

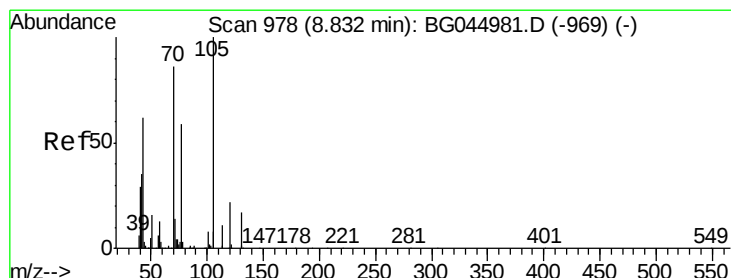
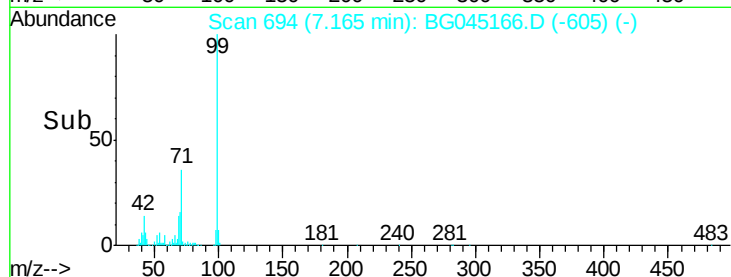
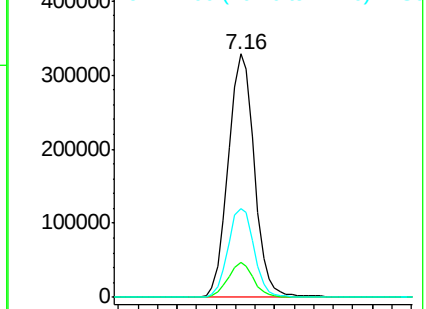
99 100

42 14.3 11.3 16.9

71 36.3 28.3 42.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.462 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Tgt Ion: 70 Resp: 71747

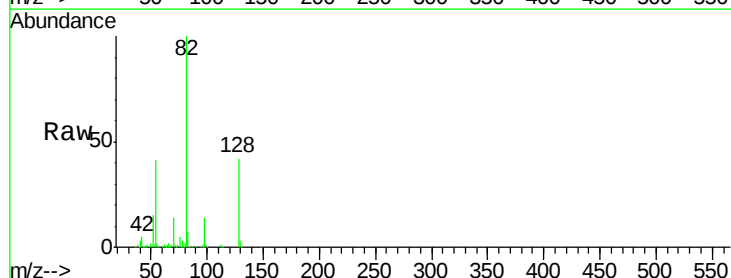
Ion Ratio Lower Upper

70 100

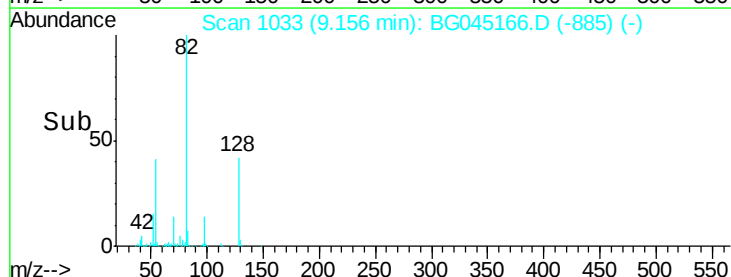
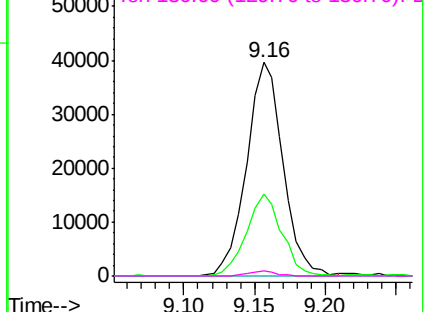
42 38.3 33.3 49.9

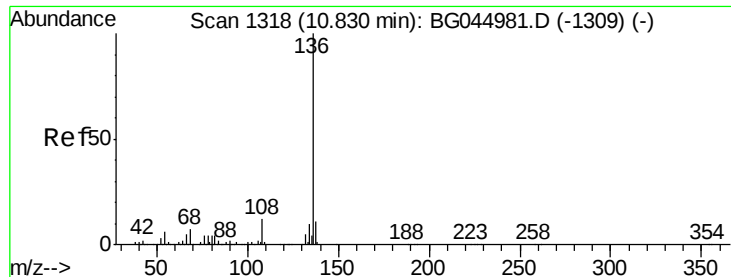
101 0.0 7.8 11.8#

130 2.1 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

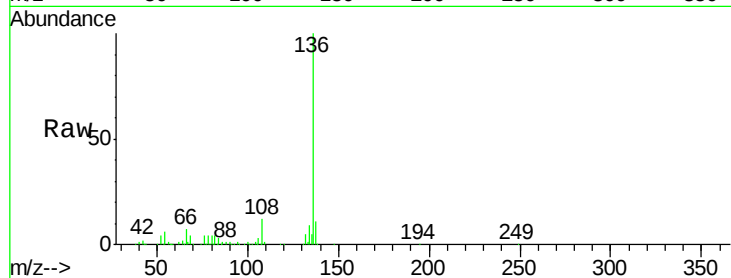




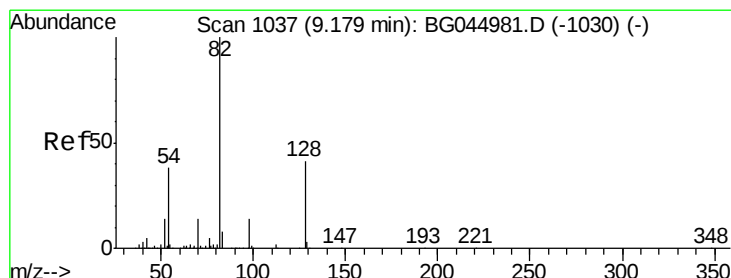
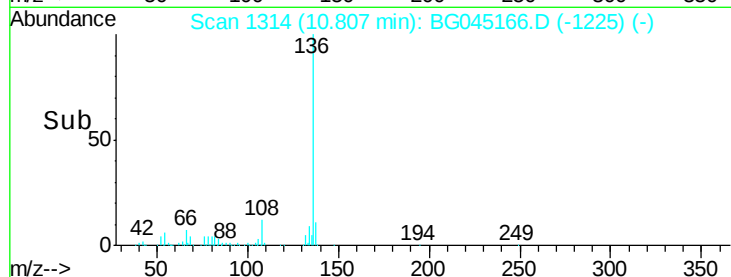
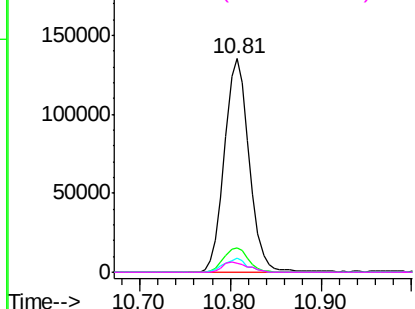
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	256967
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.6	13.0
54 6.4	4.8	7.2
68 4.4	5.2	7.8#

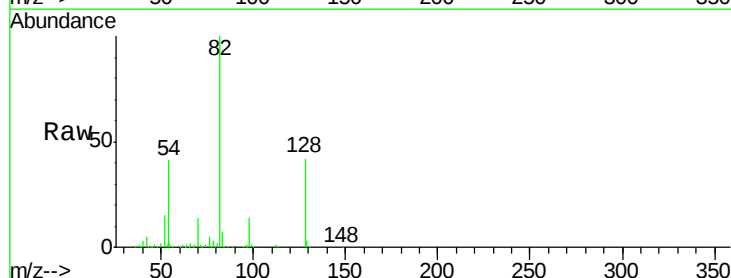


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

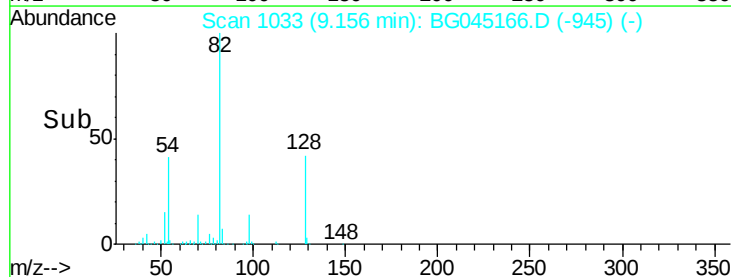
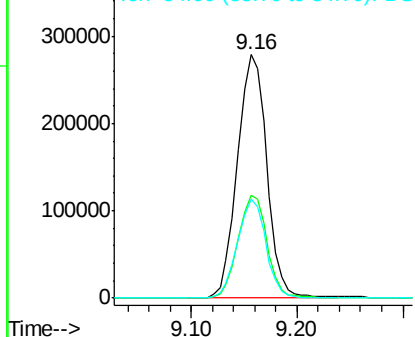


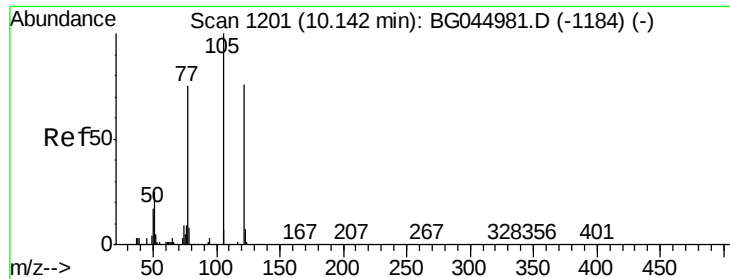
#23
Nitrobenzene-d5
Concen: 95.686 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt	Ion: 82	Resp:	538875
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.0	49.4
54	40.7	30.4	45.6



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





#32

Benzoic acid

Concen: 6.391 ng

RT: 10.13 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Instrument :

BNA_G

ClientSampleId :

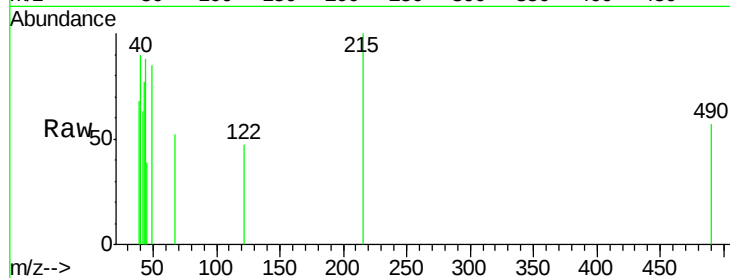
Tot Ion:122 Resp: 64

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#

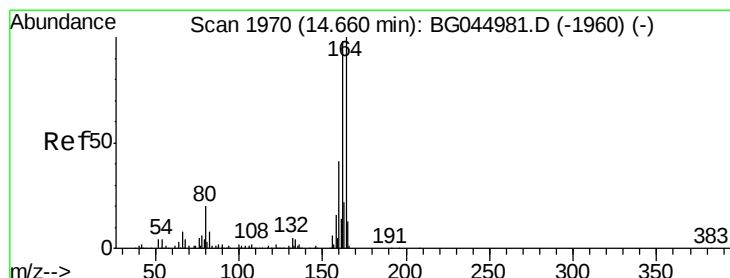
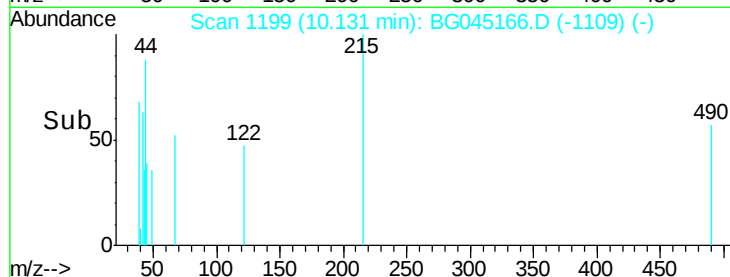
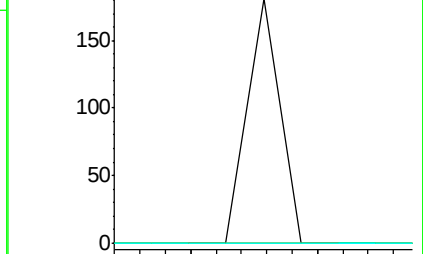


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.13



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

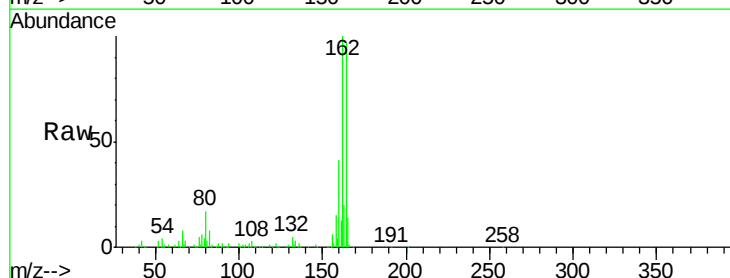
Tgt Ion:164 Resp: 175730

Ion Ratio Lower Upper

164 100

162 103.6 78.7 118.1

160 42.6 32.8 49.2

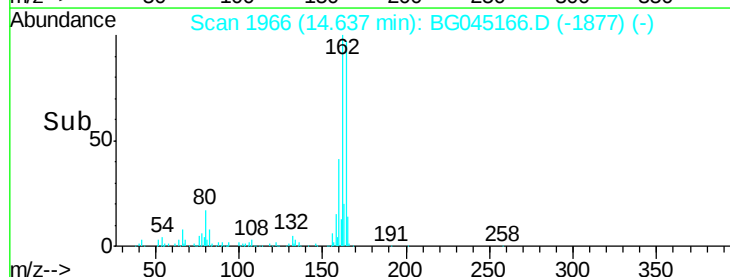
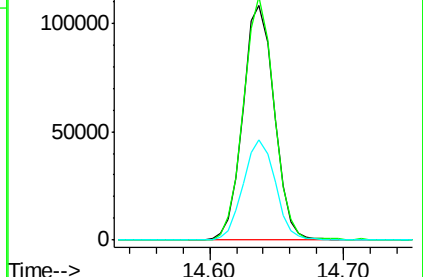


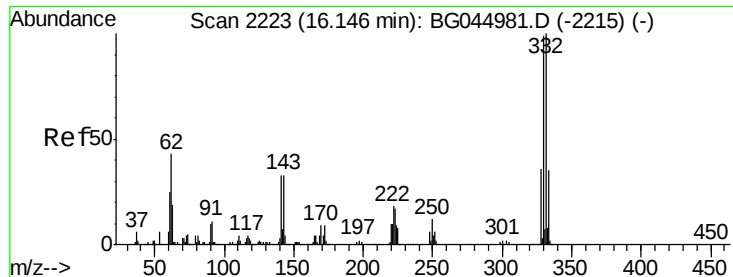
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.64

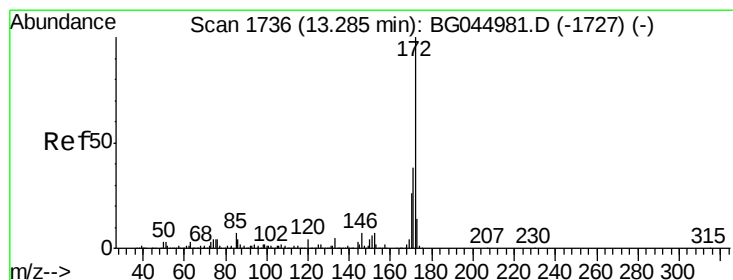
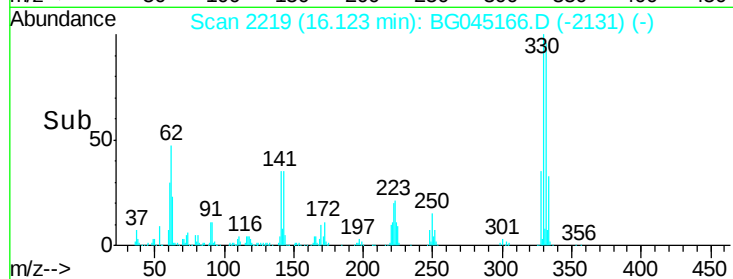
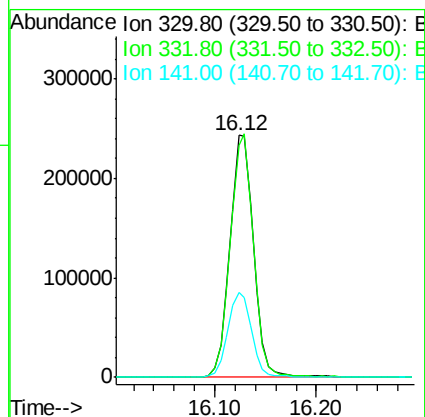
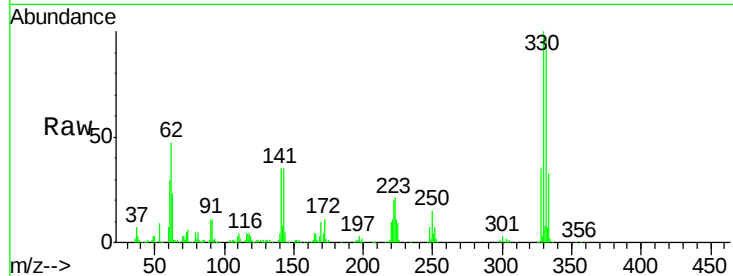




#42
 2,4,6-Tribromophenol
 Concen: 145.318 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG045166.D
 Acq: 24 Apr 2020 18:22

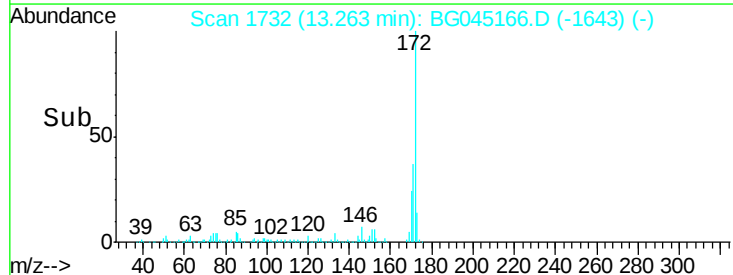
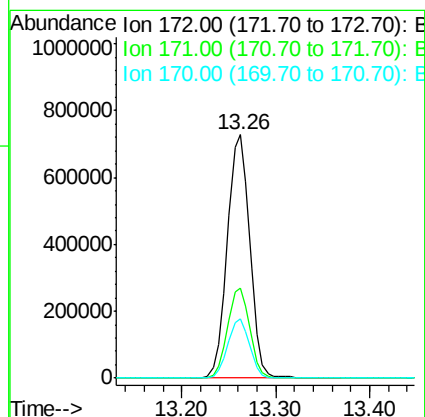
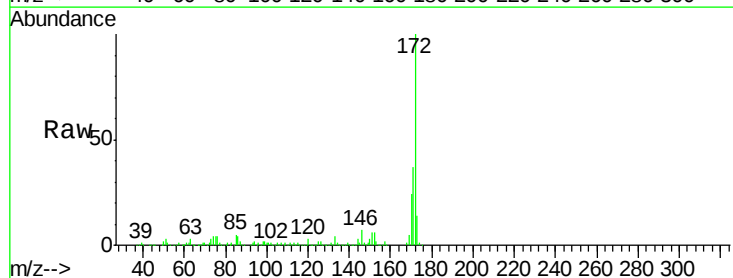
Instrument :
 BNA_G
 ClientSampleId :

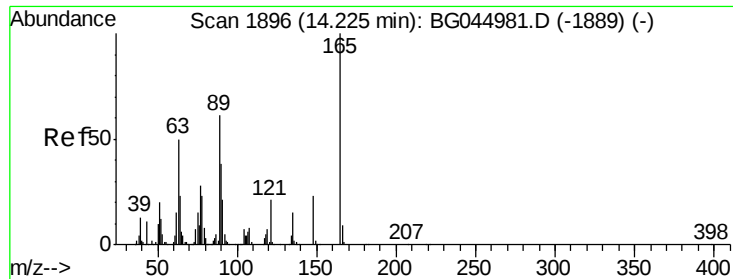
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	79.1	118.7
141	35.1	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 101.064 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG045166.D
 Acq: 24 Apr 2020 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	46.0
170	24.1	20.5	30.7

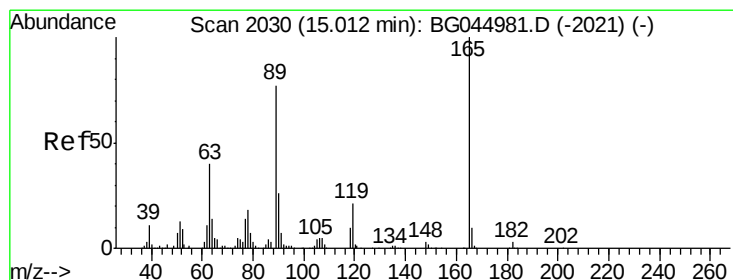
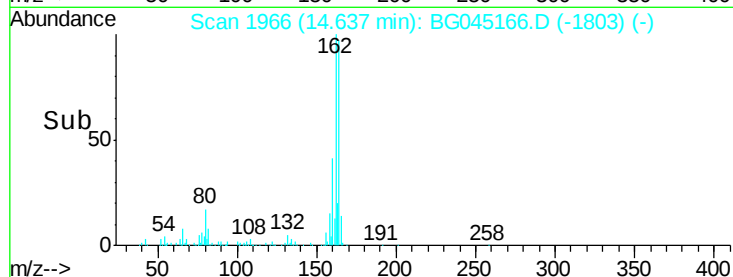
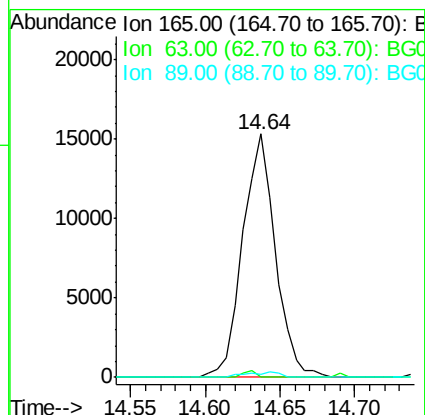
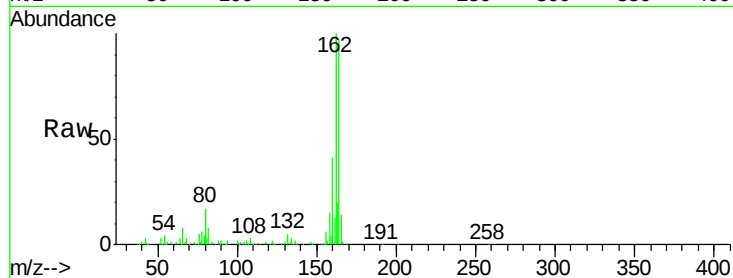




#51
 2,6-Dinitrotoluene
 Concen: 7.262 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.43 min
 Lab File: BG045166.D
 Acq: 24 Apr 2020 18:22

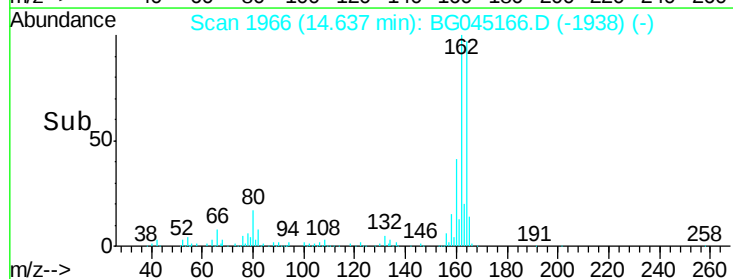
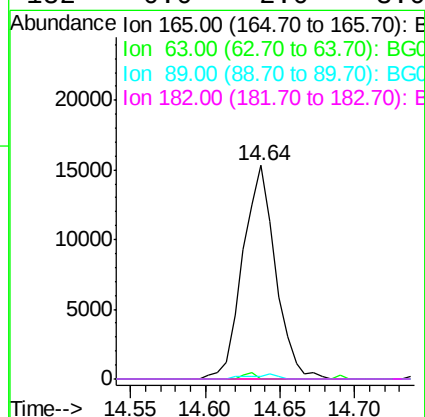
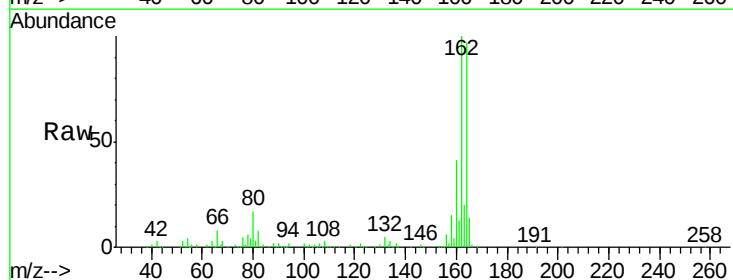
Instrument :
 BNA_G
 ClientSampleId :

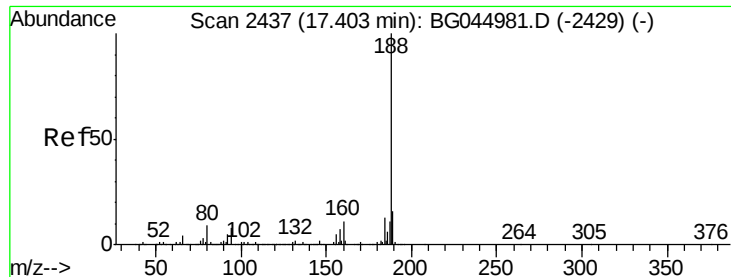
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	1.3	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.970 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.36 min
 Lab File: BG045166.D
 Acq: 24 Apr 2020 18:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	1.3	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Instrument :

BNA_G

ClientSampleId :

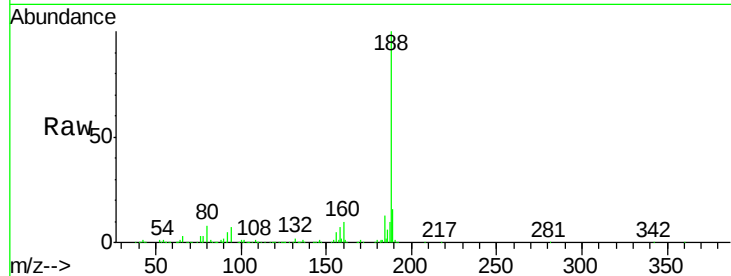
Tot Ion:188 Resp: 425453

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

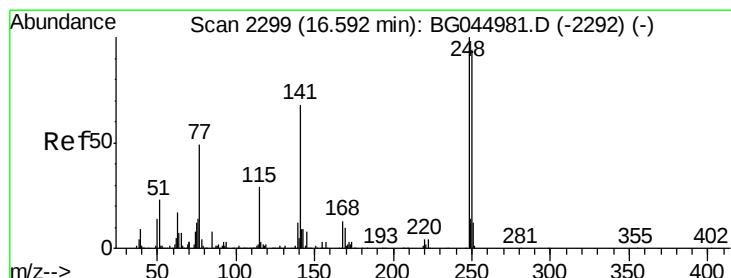
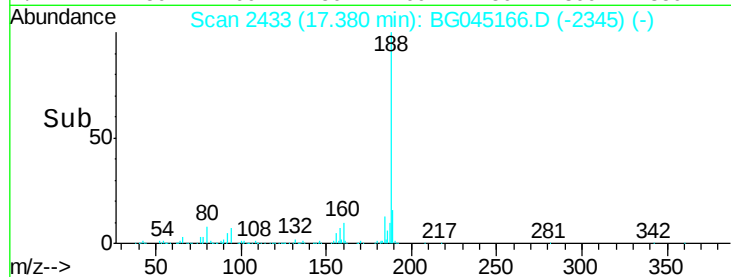
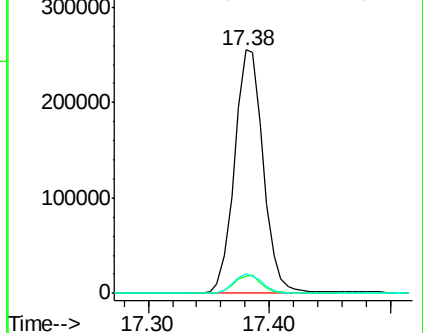
80 8.2 7.0 10.6



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: 4.845 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.46 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

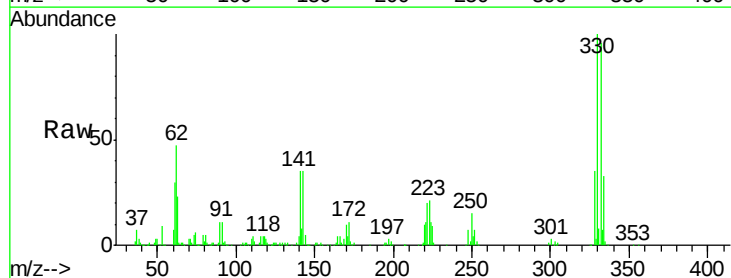
Tgt Ion:248 Resp: 26593

Ion Ratio Lower Upper

248 100

250 213.8 75.4 113.2#

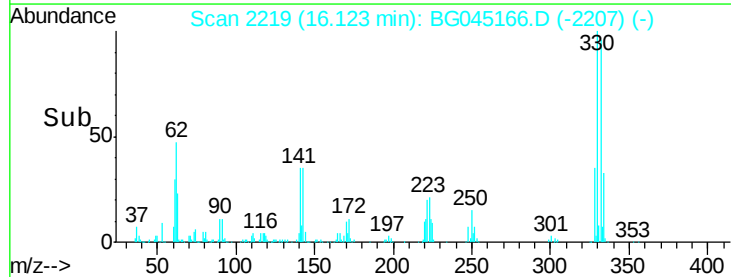
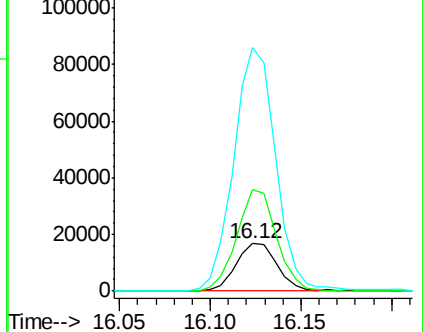
141 514.2 54.4 81.6#

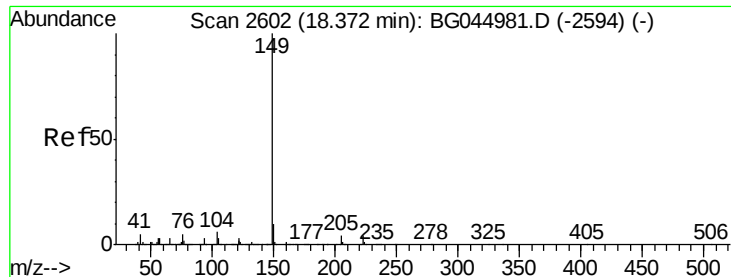


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

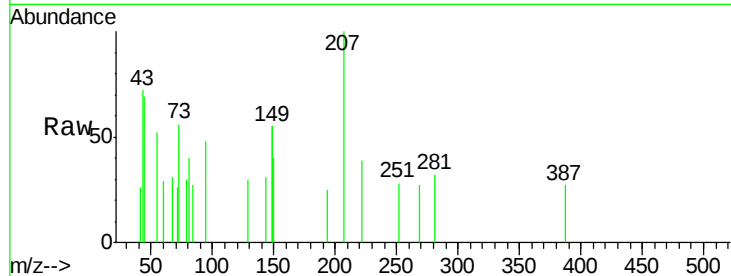




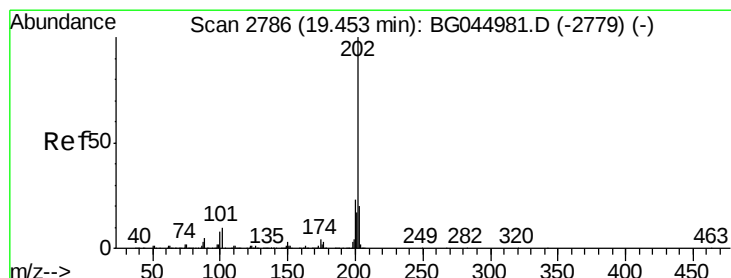
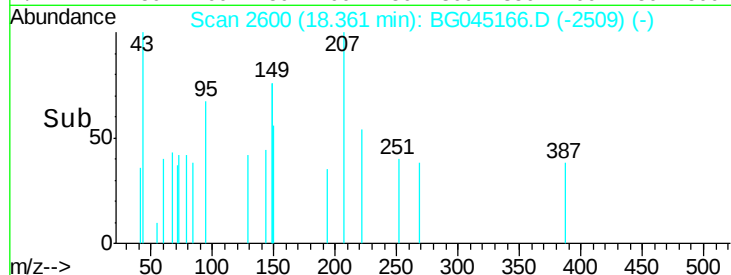
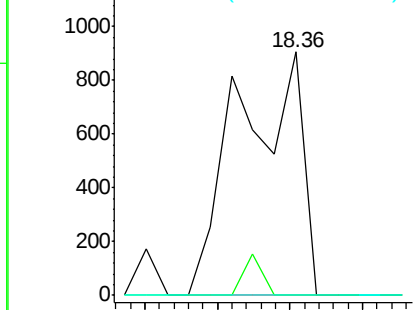
#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 1100
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#

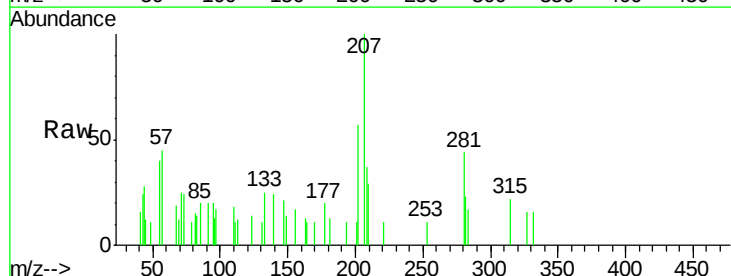


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

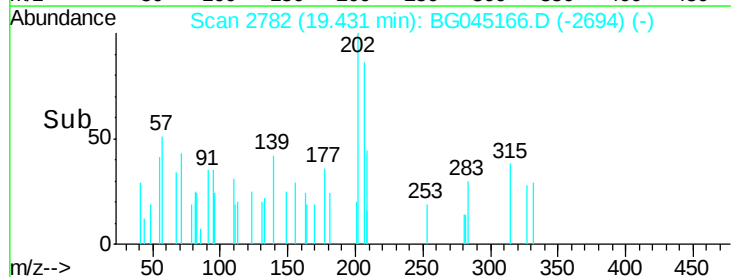
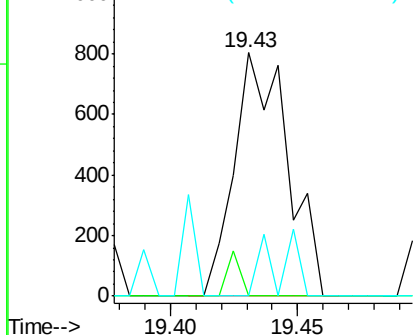


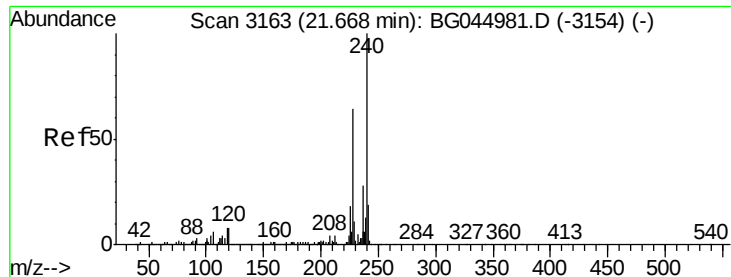
#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:202 Resp: 1178
Ion Ratio Lower Upper
202 100
101 0.0 0.0 29.6
203 0.0 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Instrument :

BNA_G

ClientSampleId :

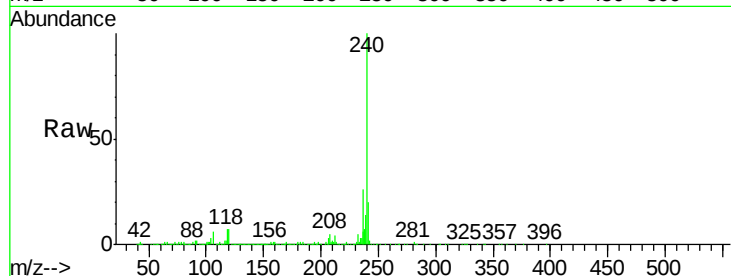
Tot Ion:240 Resp: 459832

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

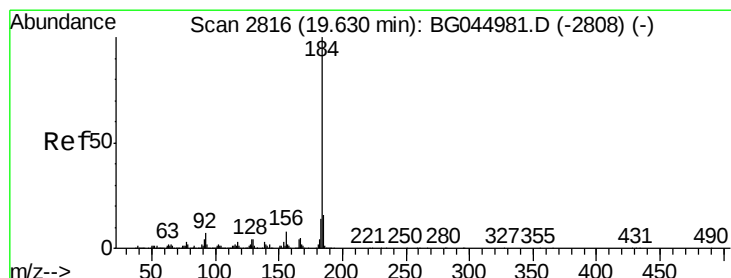
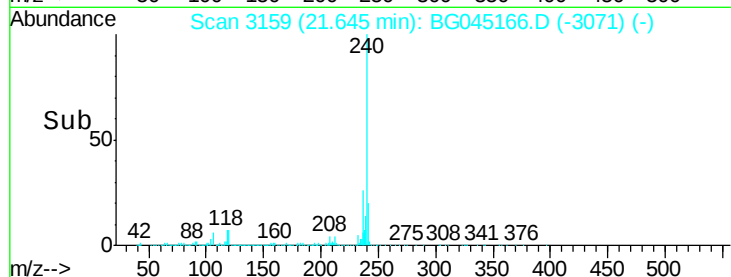
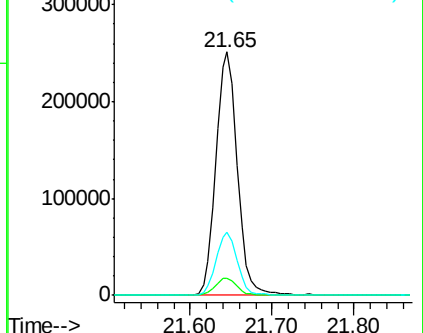
236 26.2 22.2 33.2



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: 8.544 ng

RT: 19.61 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

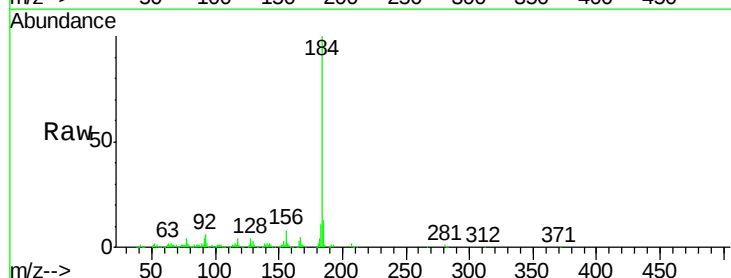
Tgt Ion:184 Resp: 178056

Ion Ratio Lower Upper

184 100

185 13.1 12.6 19.0

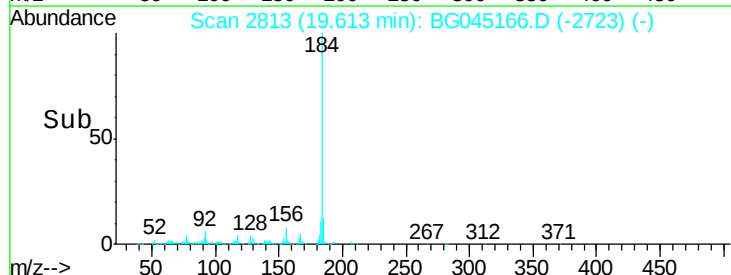
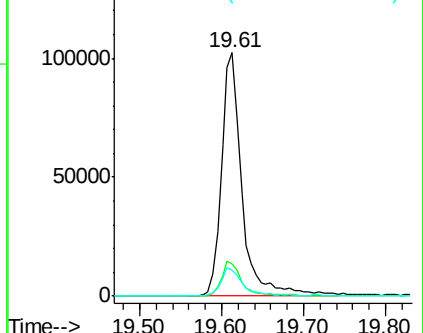
183 10.9 11.3 16.9#

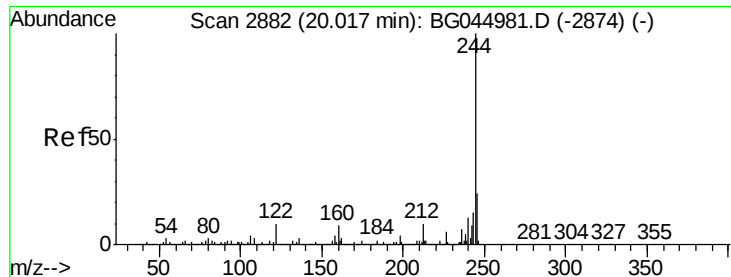


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 102.981 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

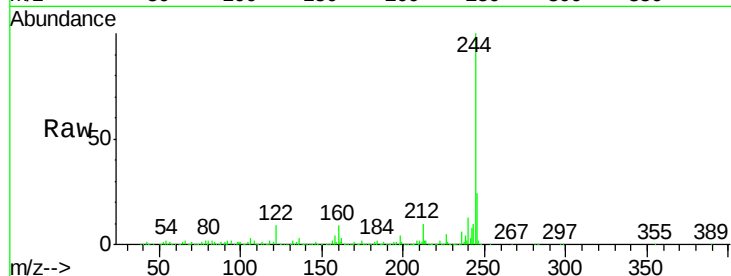
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2172636

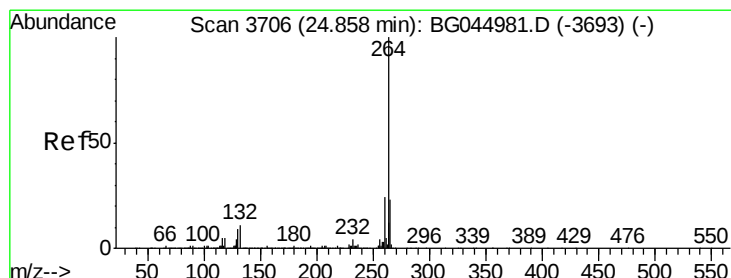
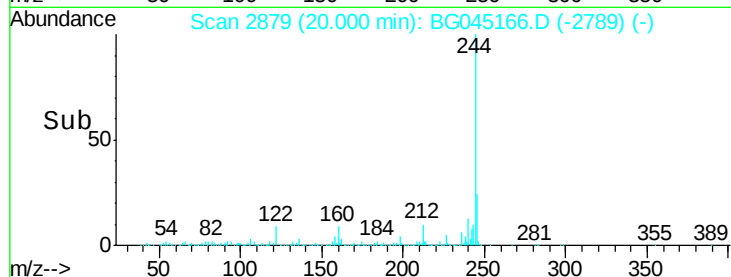
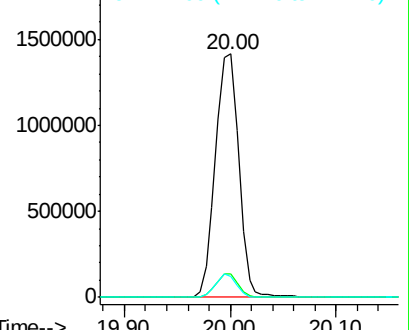
Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.9	11.9
122	8.7	7.7	11.5



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: 24.82 min Scan# 3699

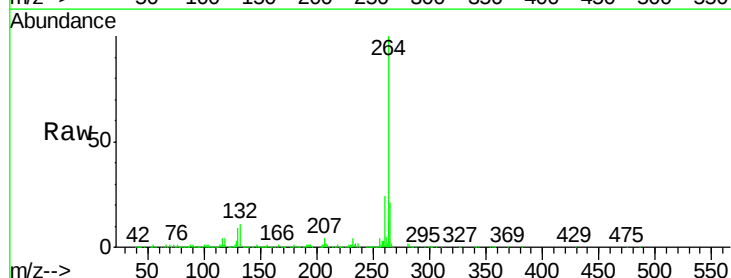
Delta R.T. -0.02 min

Lab File: BG045166.D

Acq: 24 Apr 2020 18:22

Tgt Ion:264 Resp: 487755

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	19.0	28.4



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

