

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\
 Data File : BG045204.D
 Acq On : 29 Apr 2020 14:20
 Operator : CG/JU
 Sample : PB128538BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128538BL

Quant Time: Apr 29 15:01:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 12:24:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	59527	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	226667	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	178074	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	448566	20.00	ng	0.00
76) Chrysene-d12	21.64	240	449615	20.00	ng	0.00
87) Perylene-d12	24.81	264	462857	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	370874	102.86	ng	0.00
7) Phenol-d6	7.15	99	514060	95.96	ng	0.00
23) Nitrobenzene-d5	9.14	82	484420	97.52	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	288211	104.77	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1178688	97.06	ng	0.00
79) Terphenyl-d14	19.99	244	2191758	106.25	ng	0.00

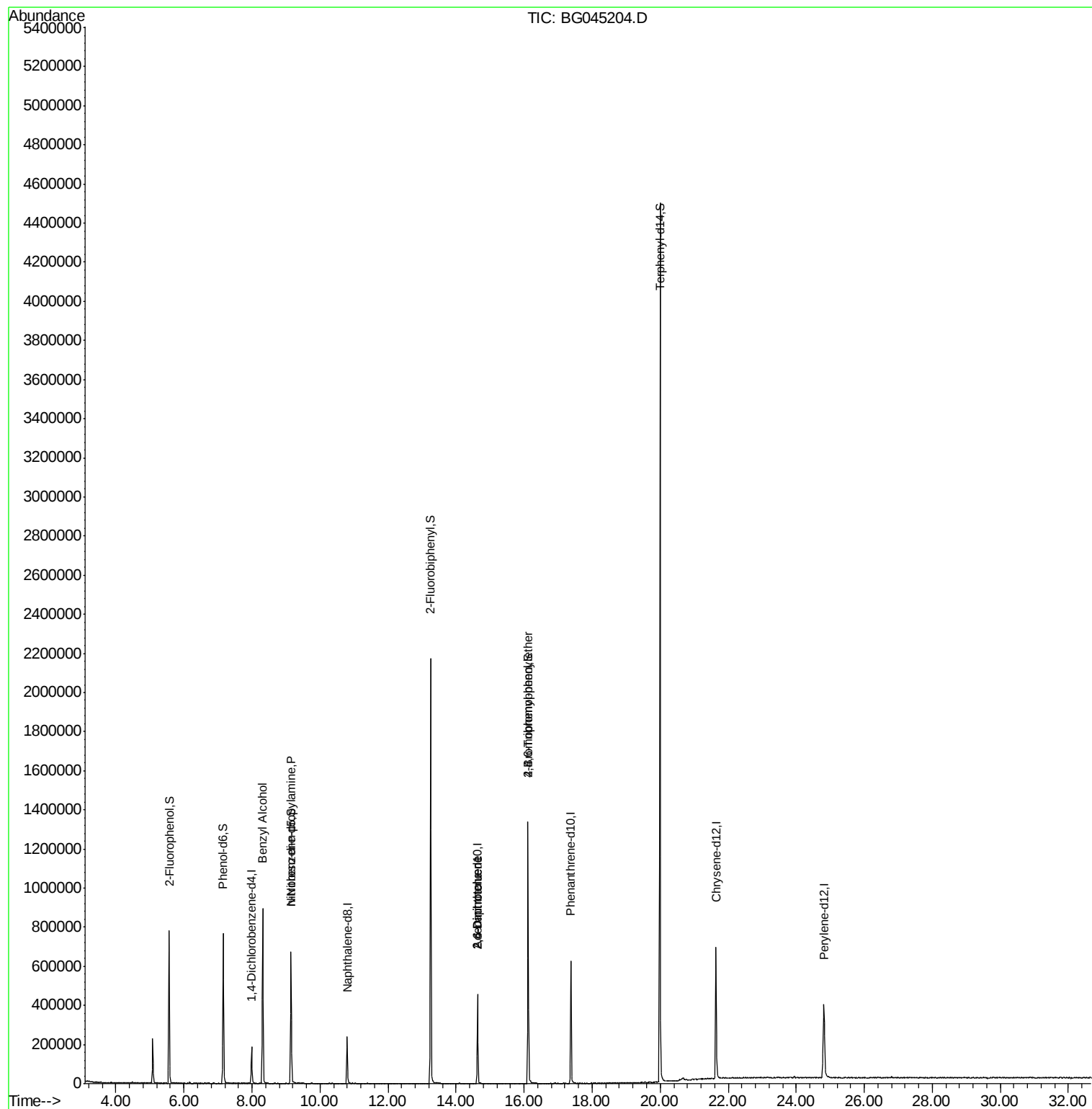
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	998	Below Cal	#	4
15) Benzyl Alcohol	8.31	79	9093	2.025 ng	#	66
19) n-Nitroso-di-n-propylamine	9.15	70	66492	17.551 ng	#	77
51) 2,6-Dinitrotoluene	14.63	165	23155	7.140 ng	#	23
57) 2,4-Dinitrotoluene	14.63	165	23157	4.886 ng	#	21
67) 4-Bromophenyl-phenylether	16.12	248	18406	3.181 ng	#	1
74) Di-n-butylphthalate	18.34	149	91	Below Cal	#	76
75) Fluoranthene	19.43	202	144	Below Cal	#	62
77) Benzydine	19.99	184	42532	Below Cal	#	90

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

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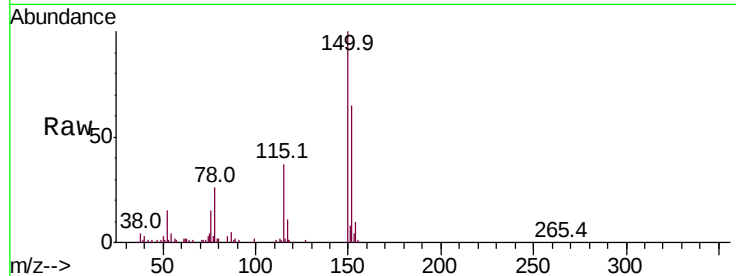


#1

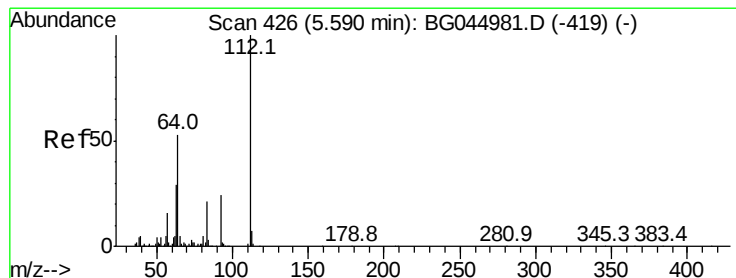
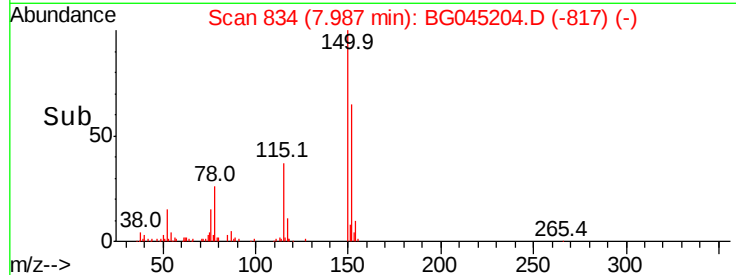
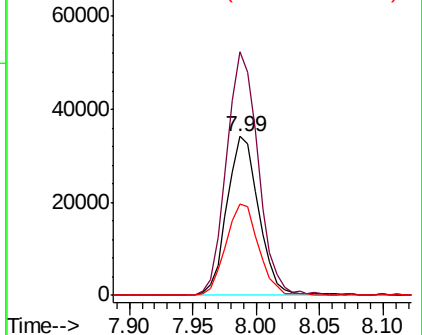
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG045204.D
Acq: 29 Apr 2020 14:20

Instrument :
BNA_G
ClientSampleId :
PB128538BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.6	185.4
115	57.2	49.1	73.7



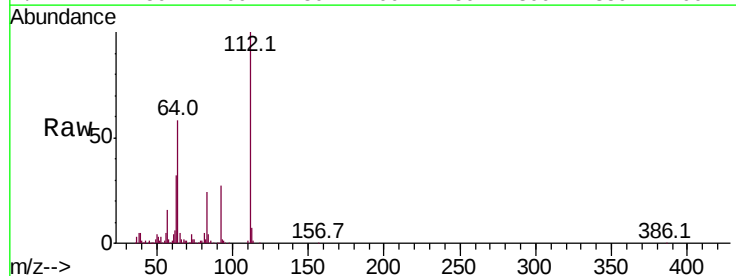
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



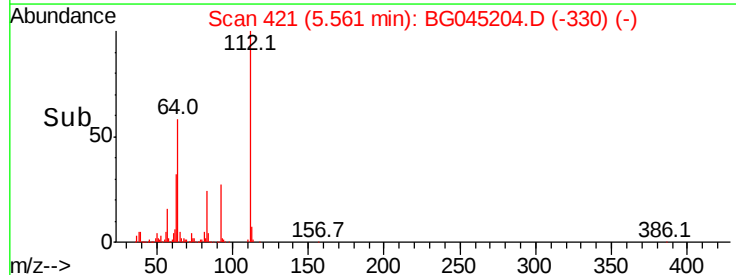
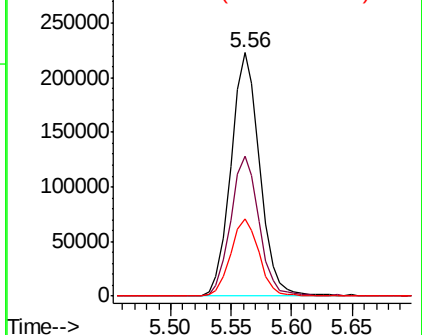
#5

2-Fluorophenol
Concen: 102.860 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045204.D
Acq: 29 Apr 2020 14:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.4	63.6
63	31.5	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 95.959 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

Instrument :

BNA_G

ClientSampleId :

PB128538BL

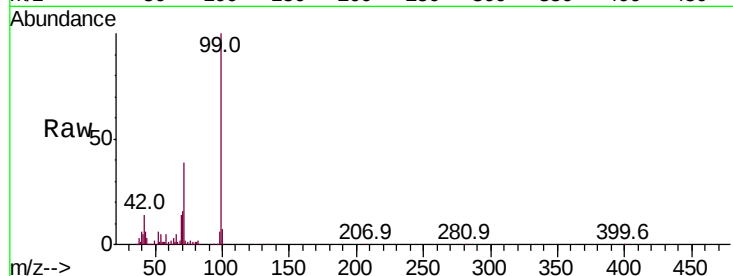
Tot Ion: 99 Resp: 514060

Ion Ratio Lower Upper

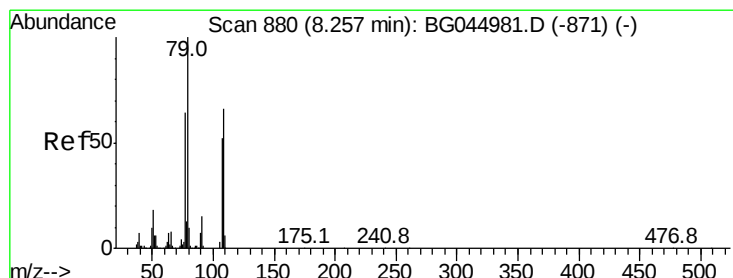
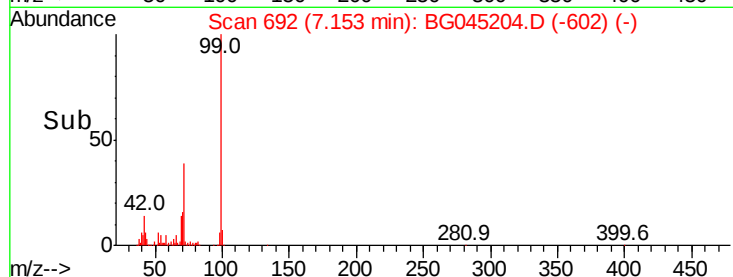
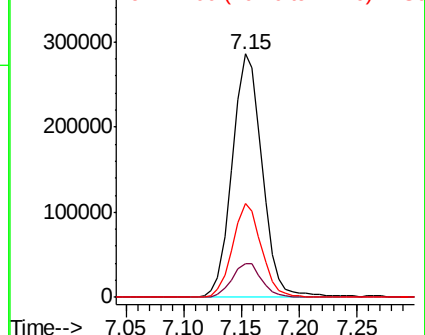
99 100

42 13.9 11.3 16.9

71 38.8 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



#15

Benzyl Alcohol

Concen: 2.025 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.09 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

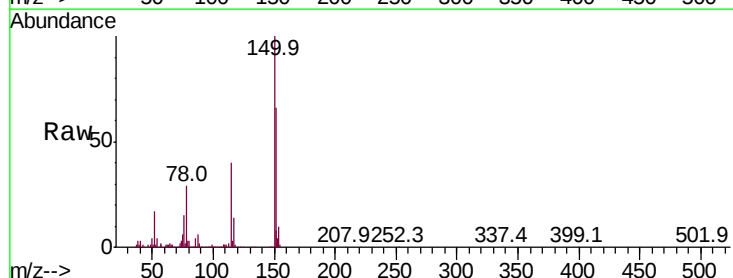
Tgt Ion: 79 Resp: 9093

Ion Ratio Lower Upper

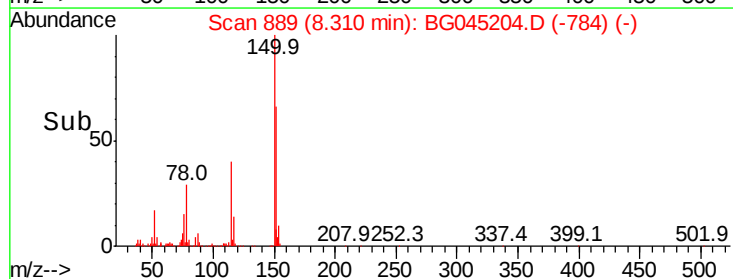
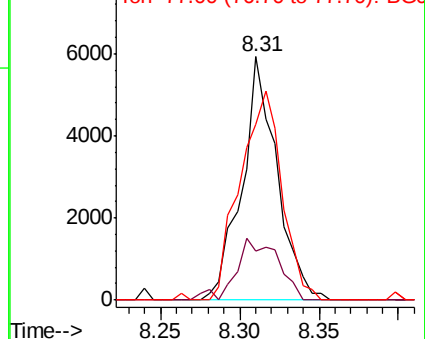
79 100

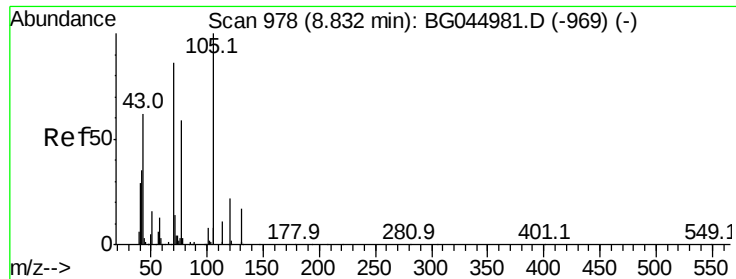
108 20.4 52.7 79.1#

77 72.1 51.3 76.9



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: 17.551 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

Instrument :

BNA_G

ClientSampleId :

PB128538BL

Tot Ion: 70 Resp: 66492

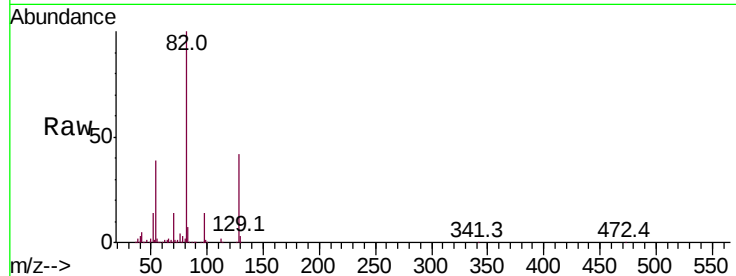
Ion Ratio Lower Upper

70 100

42 32.7 33.3 49.9#

101 0.0 7.8 11.8#

130 2.0 15.8 23.6#

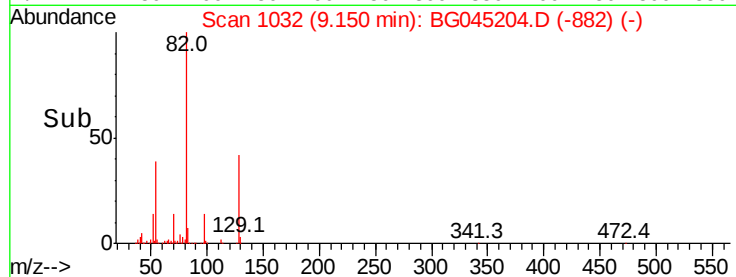


Abundance Ion 70.00 (69.70 to 70.70): BGC

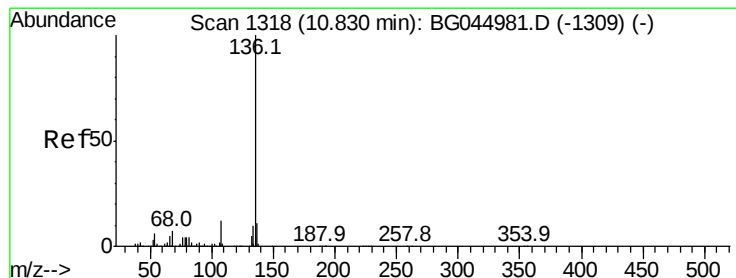
Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

Tgt Ion: 136 Resp: 226667

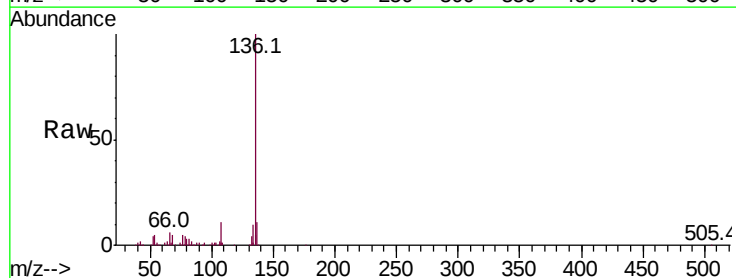
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 4.8 4.8 7.2

68 5.5 5.2 7.8

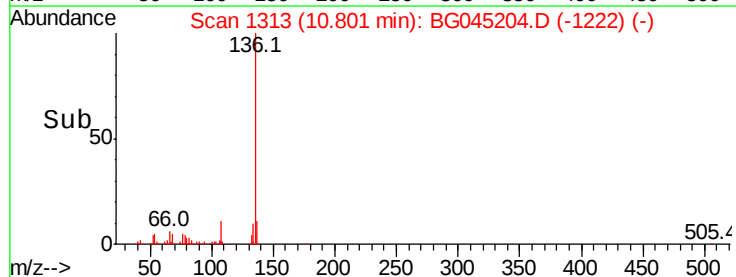


Abundance Ion 136.00 (135.70 to 136.70): BGC

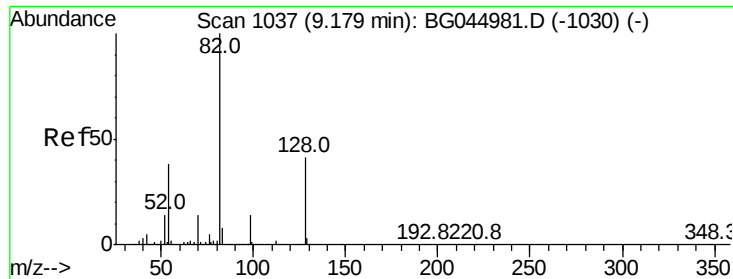
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



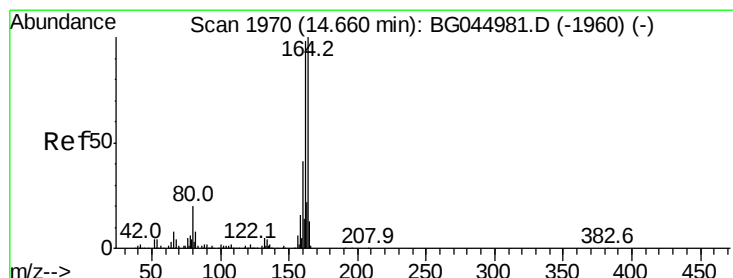
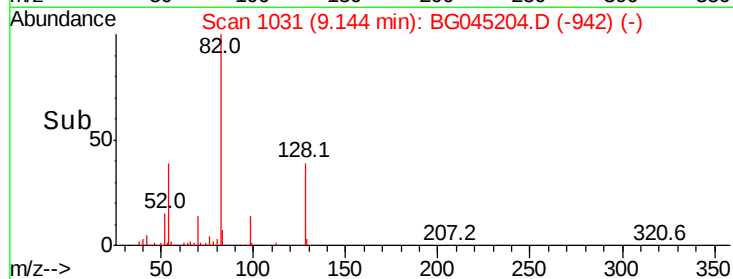
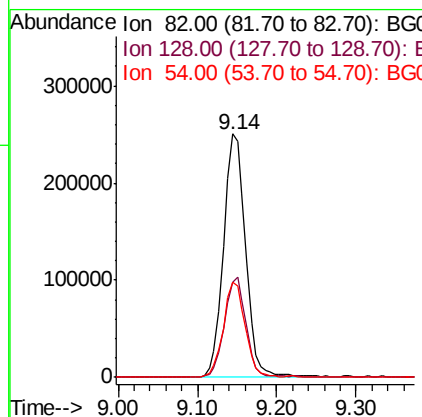
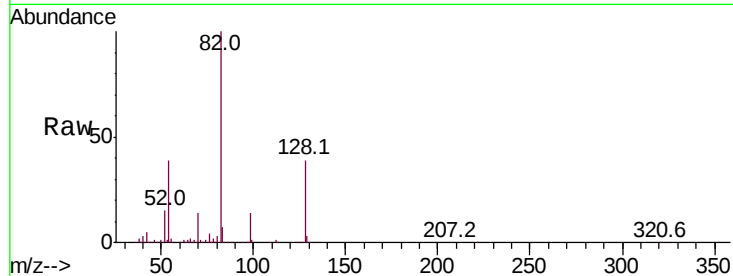
Time-->



#23
 Nitrobenzene-d5
 Concen: 97.515 ng
 RT: 9.14 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BG045204.D
 Acq: 29 Apr 2020 14:20

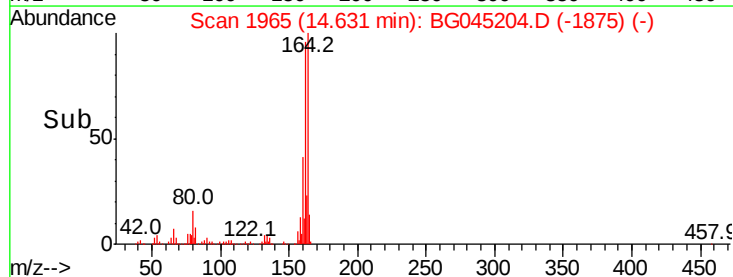
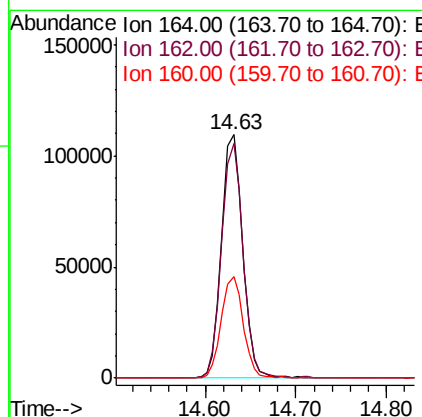
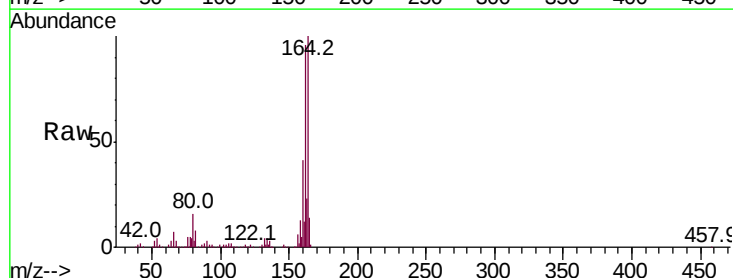
Instrument :
 BNA_G
 ClientSampleId :
 PB128538BL

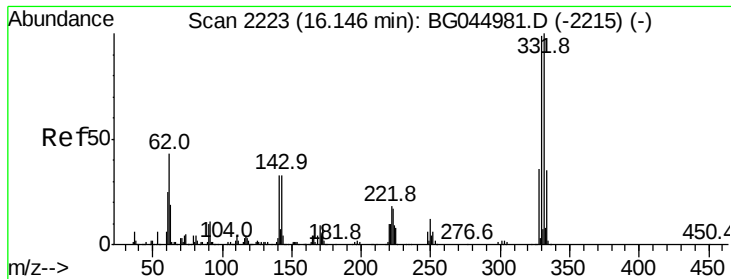
Tot Ion	82	Resp	484420
Ion Ratio	Lower	Upper	
82	100		
128	39.3	33.0	49.4
54	38.9	30.4	45.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: BG045204.D
 Acq: 29 Apr 2020 14:20

Tgt Ion	164	Resp	178074
Ion Ratio	Lower	Upper	
164	100		
162	96.3	78.7	118.1
160	41.5	32.8	49.2

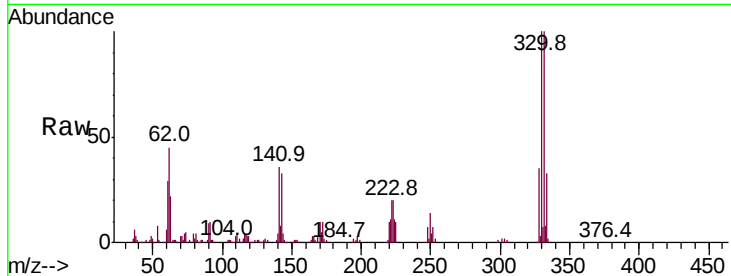




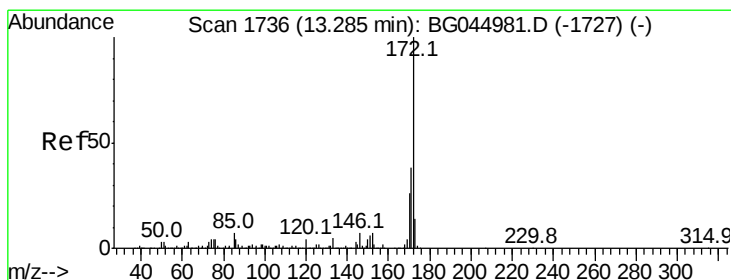
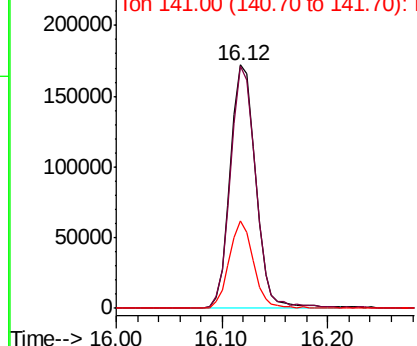
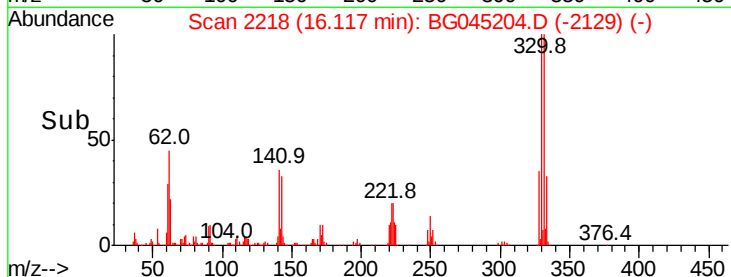
#42
 2,4,6-Tribromophenol
 Concen: 104.766 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG045204.D
 Acq: 29 Apr 2020 14:20

Instrument :
 BNA_G
 ClientSampleId :
 PB128538BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	79.1	118.7
141	34.2	27.1	40.7

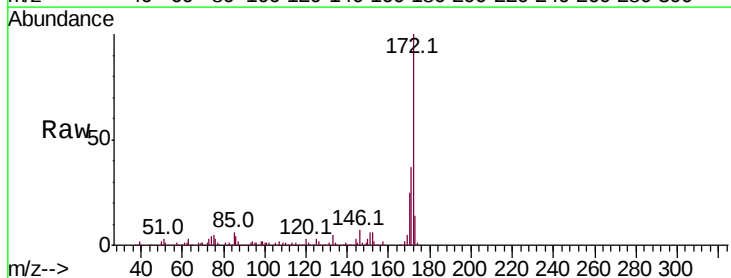


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

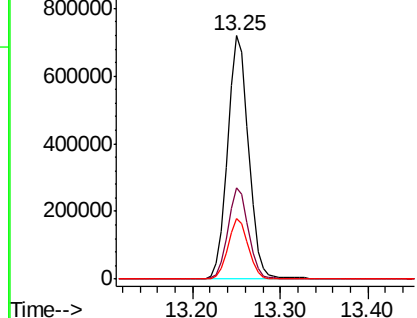
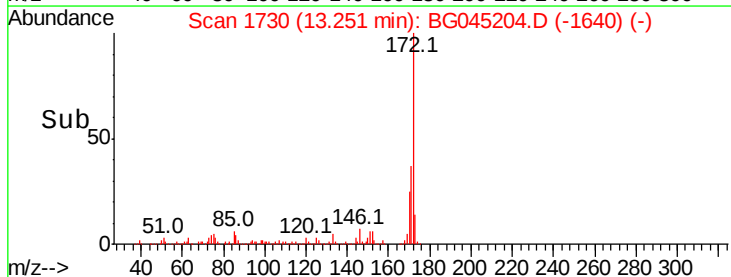


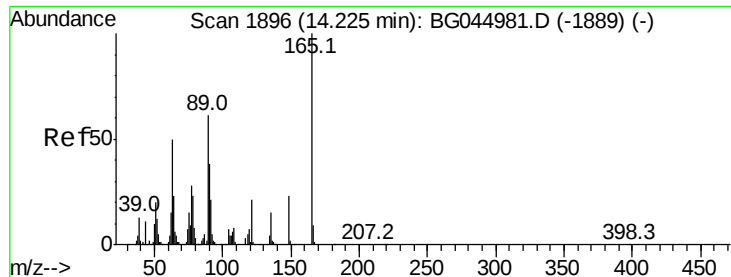
#45
 2-Fluorobiphenyl
 Concen: 97.057 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045204.D
 Acq: 29 Apr 2020 14:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.6	46.0
170	24.8	20.5	30.7



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

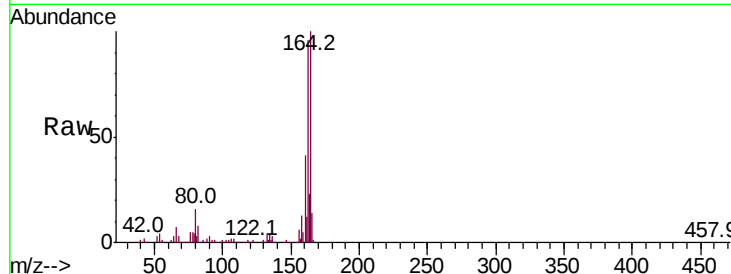




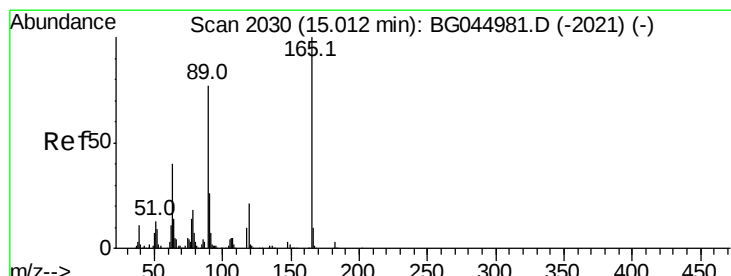
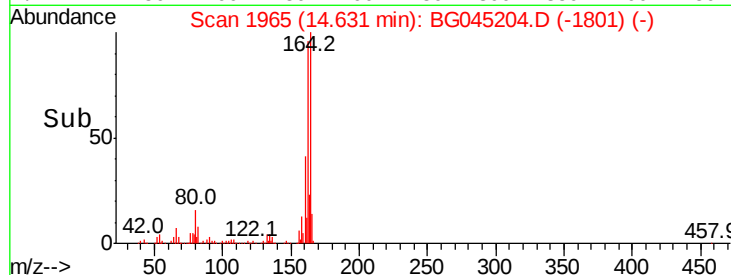
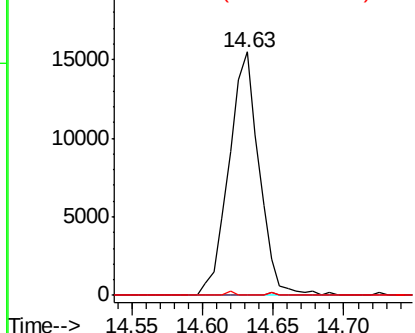
#51
2,6-Dinitrotoluene
Concen: 7.140 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.43 min
Lab File: BG045204.D
Acq: 29 Apr 2020 14:20

Instrument :
BNA_G
ClientSampleId :
PB128538BL

Tot Ion:165 Resp: 23155
Ion Ratio Lower Upper
165 100
63 0.0 40.4 60.6#
89 0.0 49.1 73.7#

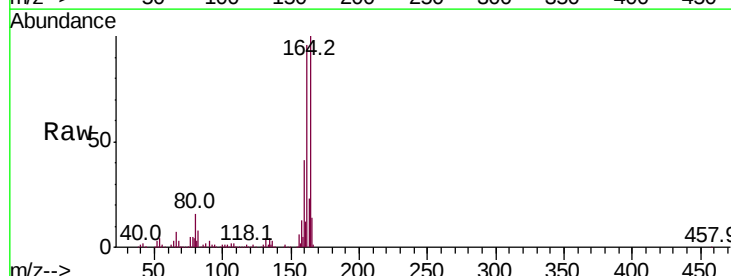


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

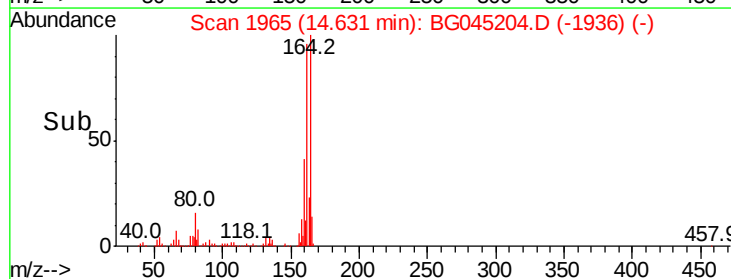
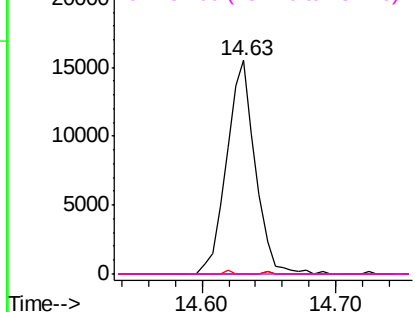


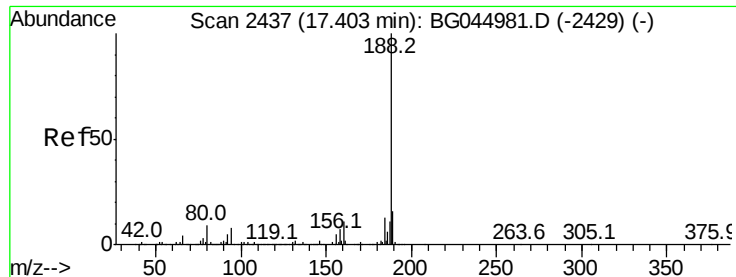
#57
2,4-Dinitrotoluene
Concen: 4.886 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.36 min
Lab File: BG045204.D
Acq: 29 Apr 2020 14:20

Tgt Ion:165 Resp: 23157
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 61.7 92.5#
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: 17.37 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

Instrument :

BNA_G

ClientSampleId :

PB128538BL

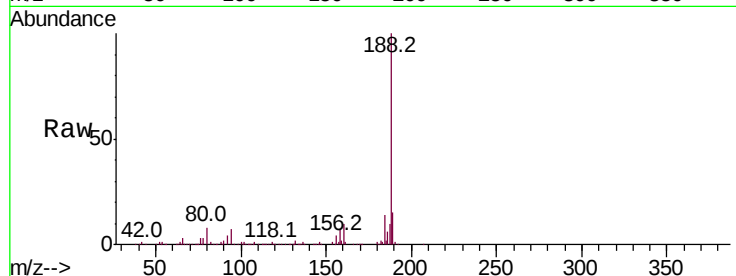
Tot Ion:188 Resp: 448566

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

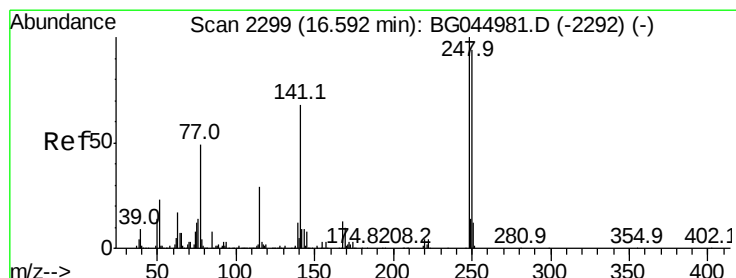
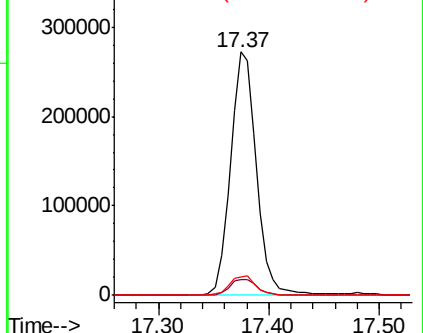
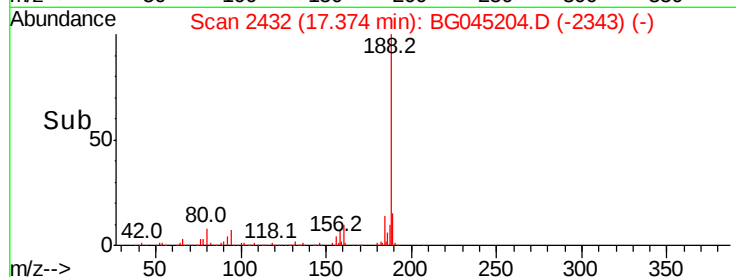
80 7.8 7.0 10.6



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: 3.181 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

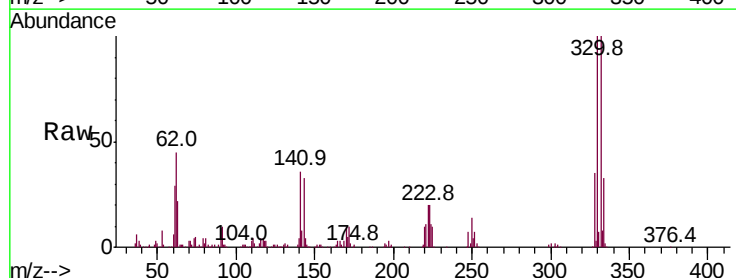
Tgt Ion:248 Resp: 18406

Ion Ratio Lower Upper

248 100

250 201.9 75.4 113.2#

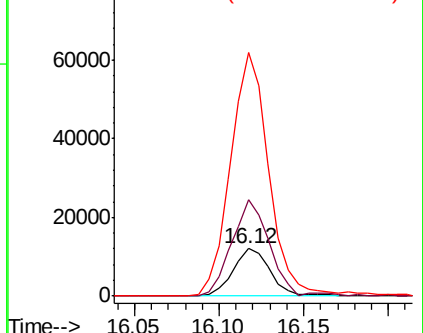
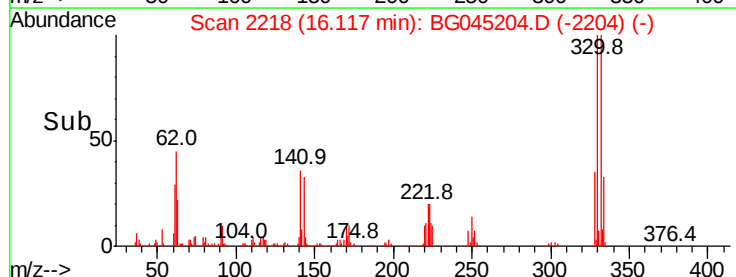
141 510.6 54.4 81.6#

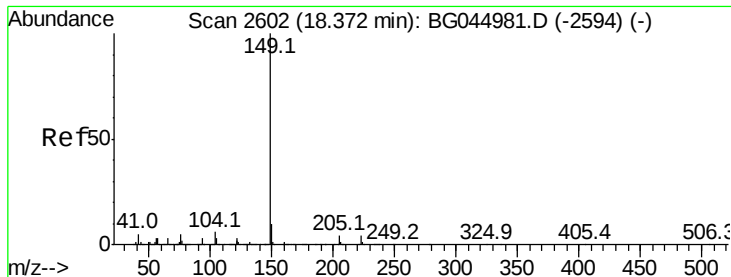


Abundance Ion 248.00 (247.70 to 248.70): E

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: 18.34 min Scan# 2597

Delta R.T. -0.00 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

Instrument :

BNA_G

ClientSampleId :

PB128538BL

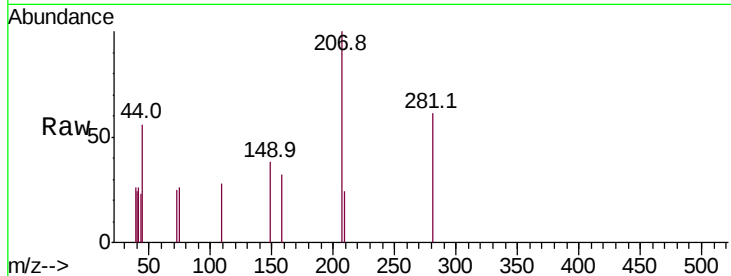
Tot Ion:149 Resp: 91

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

18.34

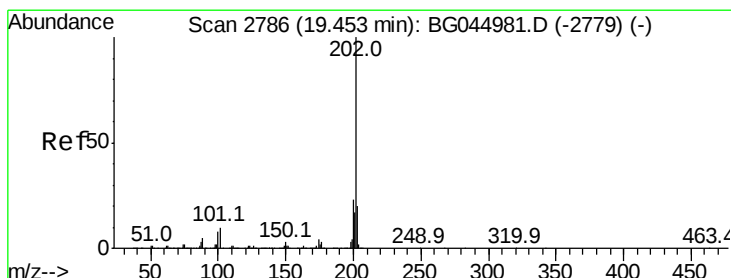
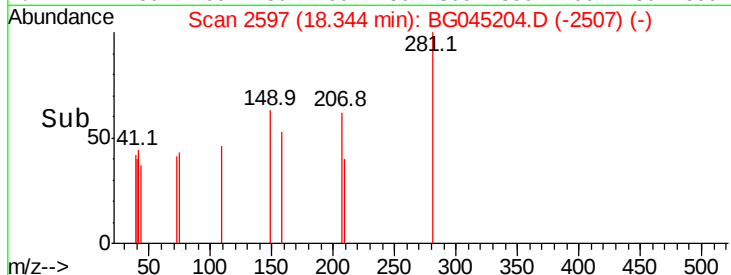
200

100

0

18.34 18.36

Time-->



#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

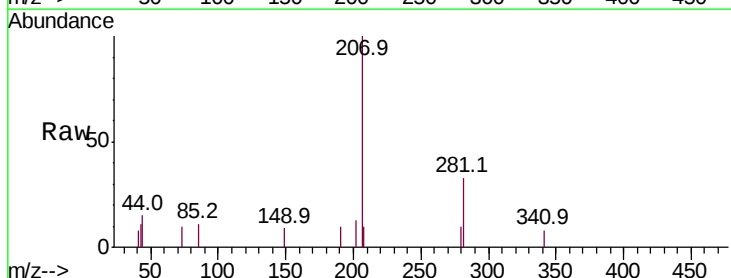
Tgt Ion:202 Resp: 144

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

19.43

250

200

150

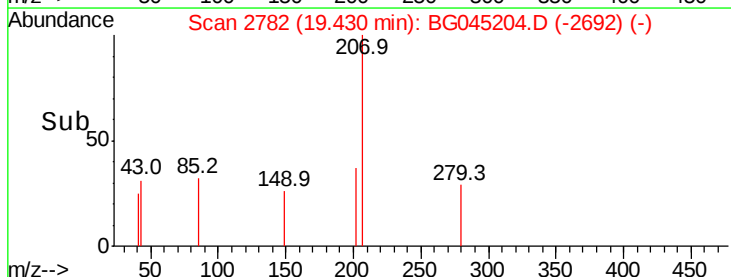
100

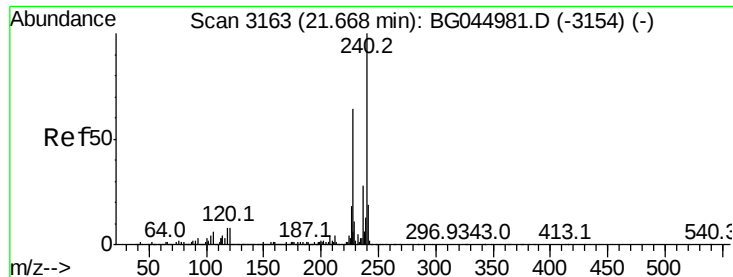
50

0

19.42 19.44

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

Instrument :

BNA_G

ClientSampleId :

PB128538BL

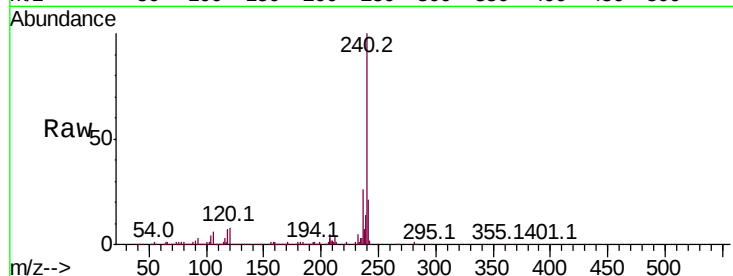
Tot Ion:240 Resp: 449615

Ion Ratio Lower Upper

240 100

120 8.2 6.6 10.0

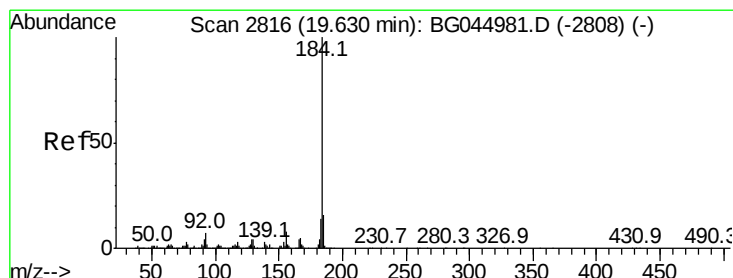
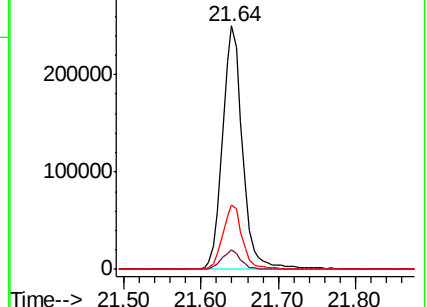
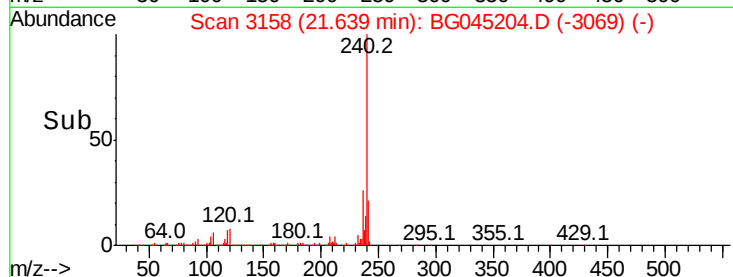
236 26.2 22.2 33.2



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: Below Cal

RT: 19.99 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045204.D

Acq: 29 Apr 2020 14:20

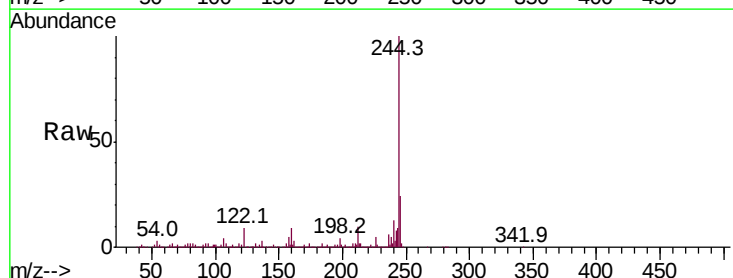
Tgt Ion:184 Resp: 42532

Ion Ratio Lower Upper

184 100

185 14.7 12.6 19.0

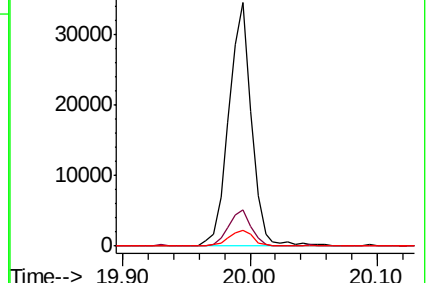
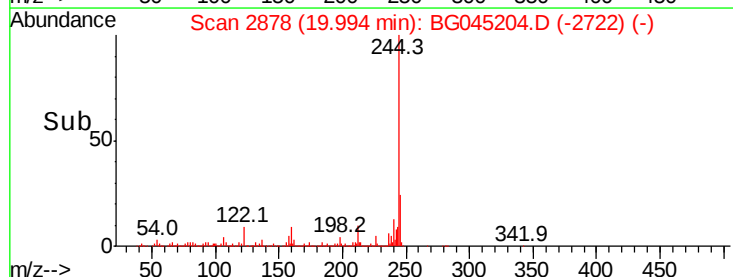
183 6.4 11.3 16.9#

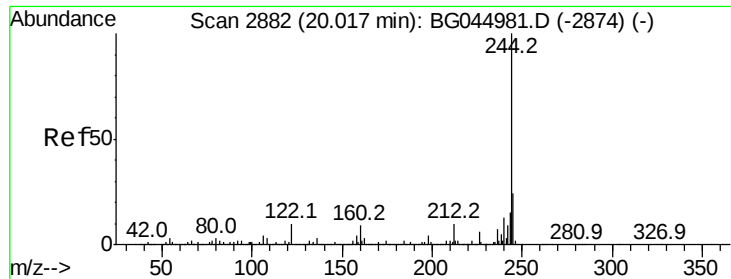


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



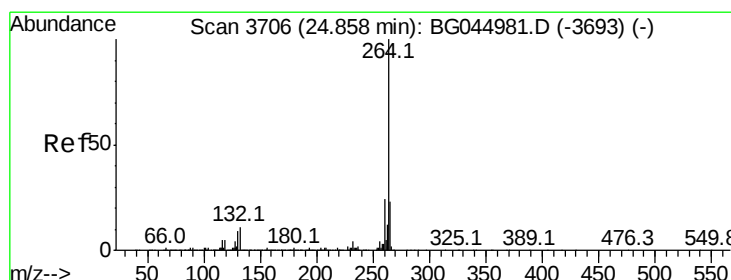
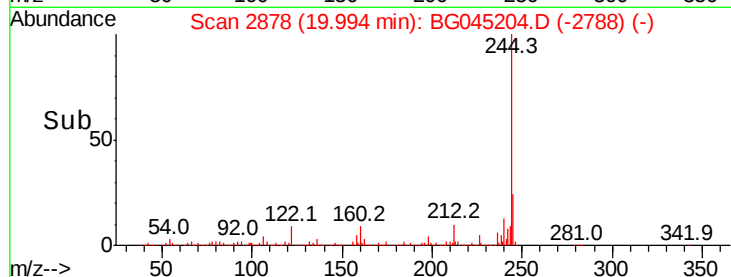
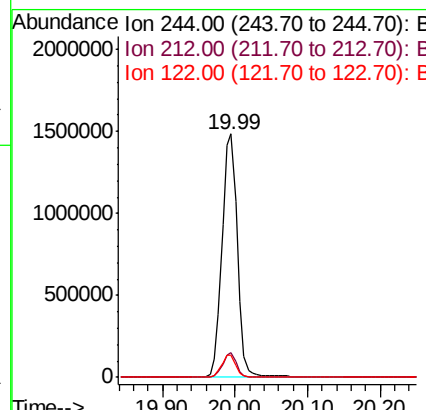
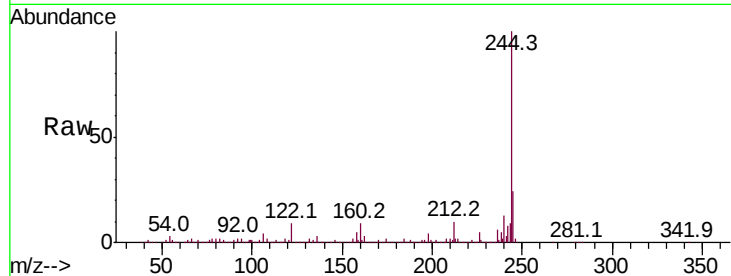


#79
 Terphenyl-d14
 Concen: 106.248 ng
 RT: 19.99 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG045204.D
 Acq: 29 Apr 2020 14:20

Instrument :
 BNA_G
 ClientSampleId :
 PB128538BL

Tot Ion:244 Resp: 2191758

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.9	11.9
122	8.9	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3698
 Delta R.T. -0.01 min
 Lab File: BG045204.D
 Acq: 29 Apr 2020 14:20

Tgt Ion:264 Resp: 462857

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.7	19.0	28.4

