

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051420\
 Data File : BG045380.D
 Acq On : 14 May 2020 16:29
 Operator : CG/JU
 Sample : L2604-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 305

Quant Time: May 14 17:59:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 13:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	71019	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	285159	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	212065	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	508340	20.00	ng	0.00
76) Chrysene-d12	21.62	240	513175	20.00	ng	0.00
87) Perylene-d12	24.78	264	541732	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	375654	87.33	ng	0.00
7) Phenol-d6	7.14	99	470029	73.54	ng	0.00
23) Nitrobenzene-d5	9.13	82	440939	70.56	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	356739	108.89	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1069511	73.95	ng	0.00
79) Terphenyl-d14	19.98	244	1909158	81.09	ng	0.00

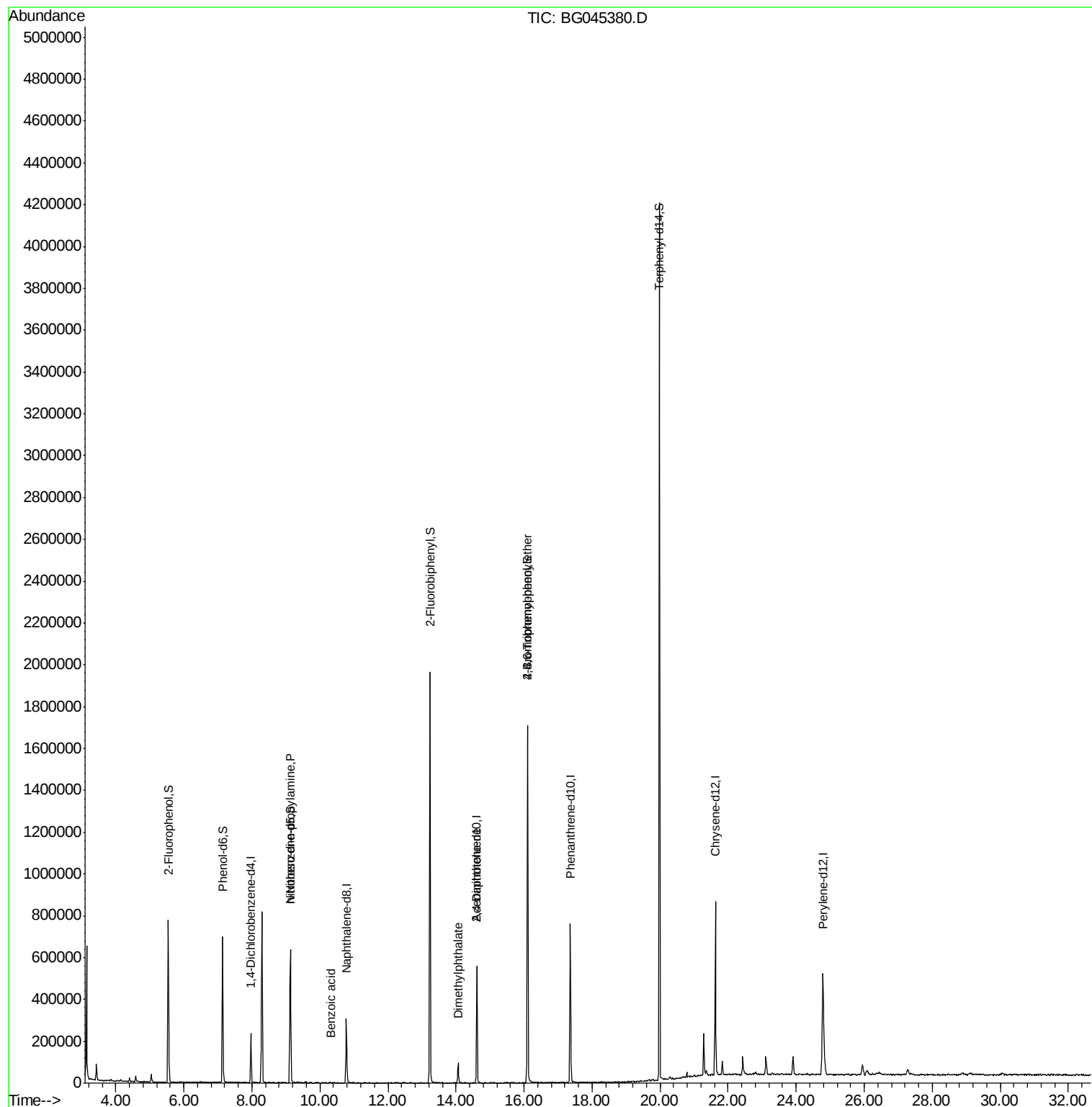
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	549	Below Cal	#	24
19) n-Nitroso-di-n-propylamine	9.12	70	60502	13.386 ng	#	76
32) Benzoic acid	10.31	122	55	6.387 ng	#	1
50) Dimethylphthalate	14.06	163	64548	3.738 ng	#	98
57) 2,4-Dinitrotoluene	14.61	165	27716	4.911 ng	#	22
67) 4-Bromophenyl-phenylether	16.10	248	24448	3.728 ng	#	1
69) Atrazine	17.29	200	59	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	2437	Below Cal	#	90
75) Fluoranthene	19.42	202	1127	Below Cal	#	62
77) Benzidine	19.98	184	37711	Below Cal	#	88

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

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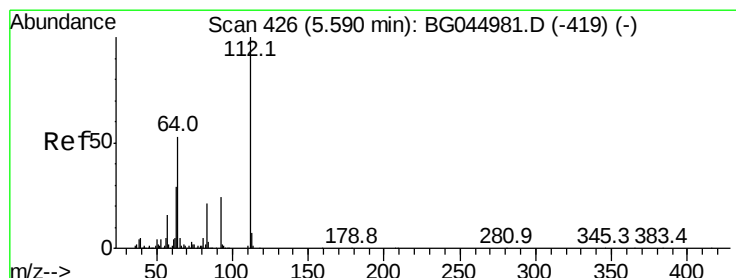
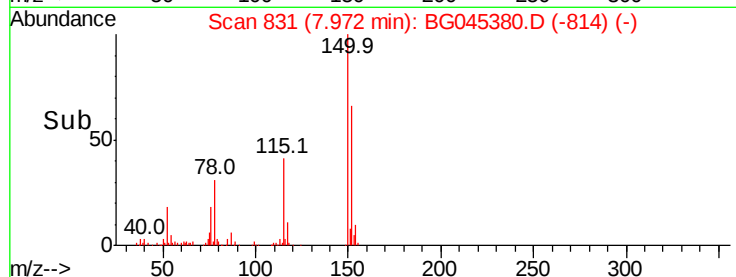
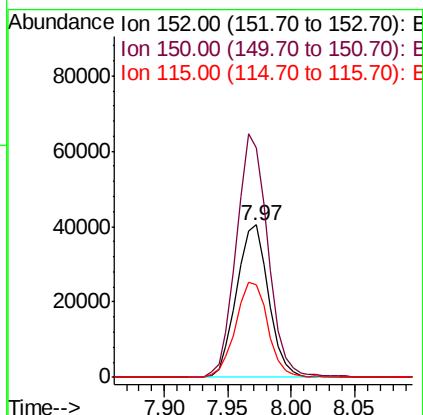
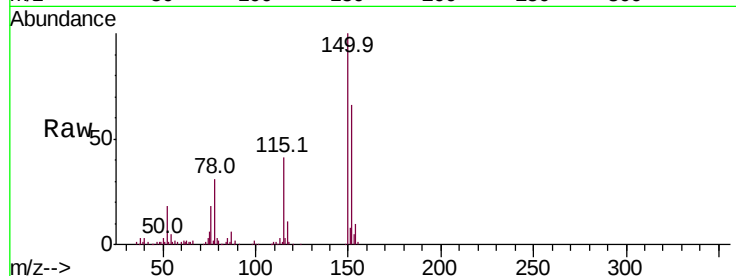


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045380.D
Acq: 14 May 2020 16:29

Instrument :
BNA_G
ClientSampleId :
305

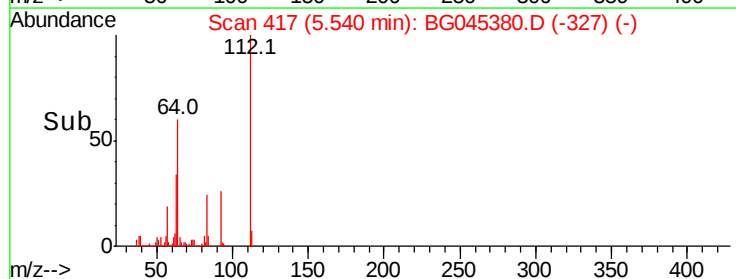
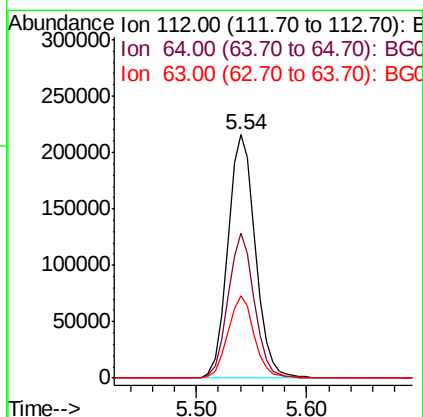
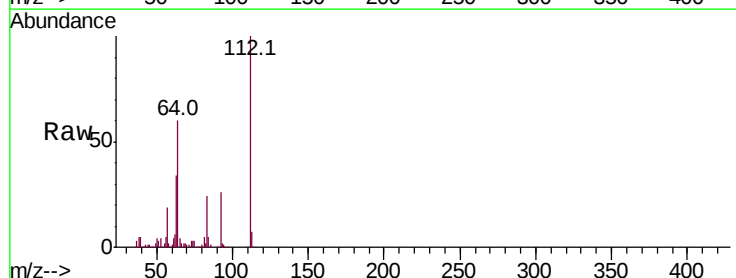
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	123.6	185.4
115	61.1	49.1	73.7

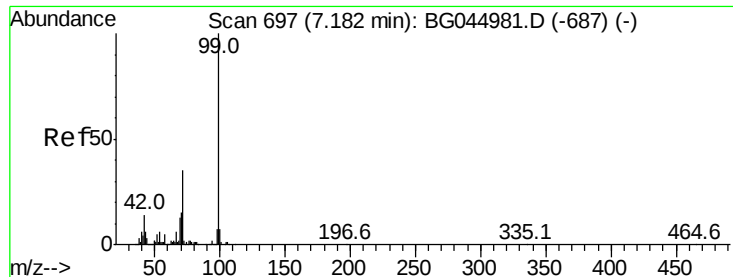


#5

2-Fluorophenol
Concen: 87.327 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045380.D
Acq: 14 May 2020 16:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	42.4	63.6
63	33.8	23.1	34.7





#7

Phenol-d6

Concen: 73.542 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampleId :

305

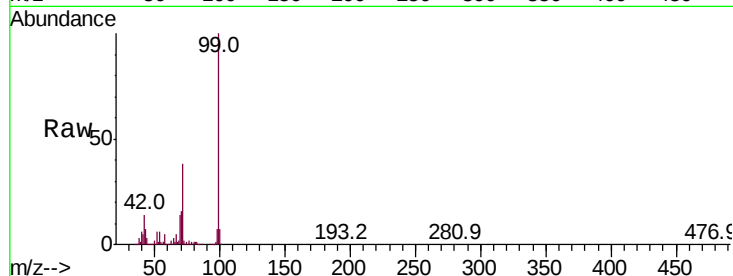
Tot Ion: 99 Resp: 470029

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

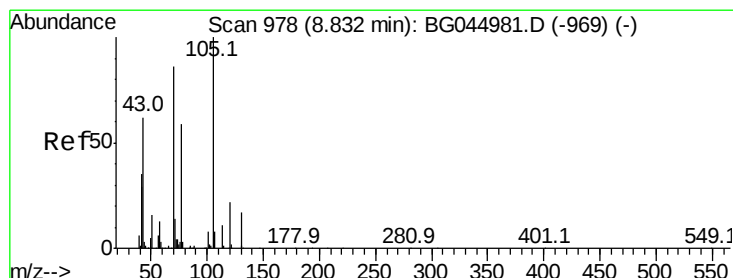
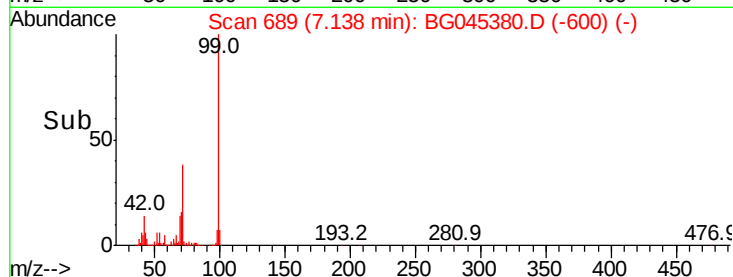
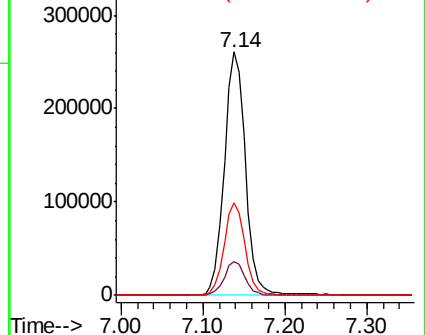
71 38.3 28.3 42.5



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: 13.386 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.34 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Tgt Ion: 70 Resp: 60502

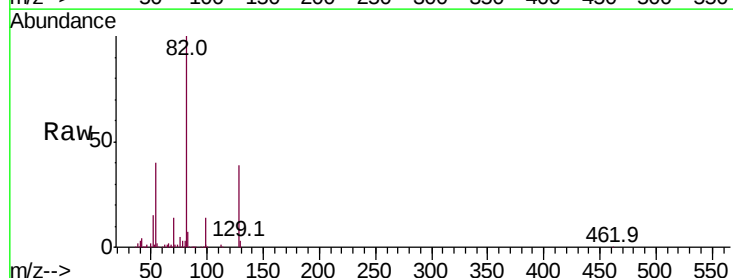
Ion Ratio Lower Upper

70 100

42 31.3 33.3 49.9#

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

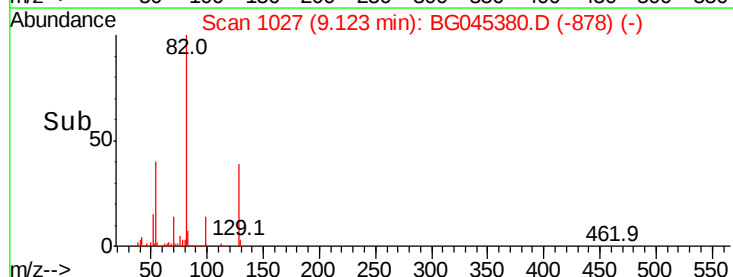
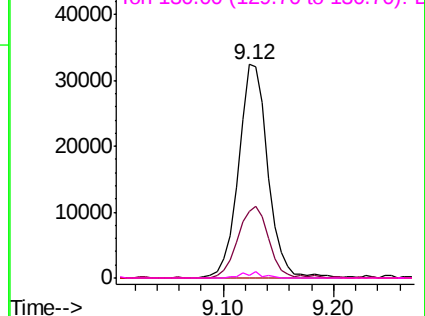


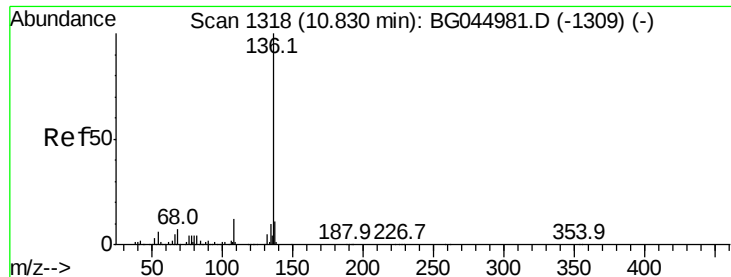
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

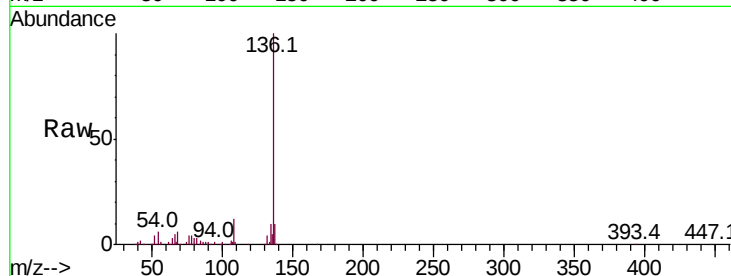




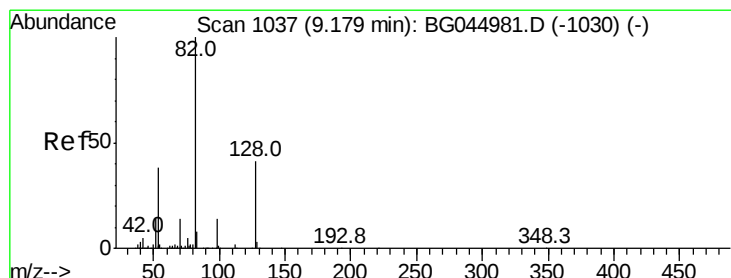
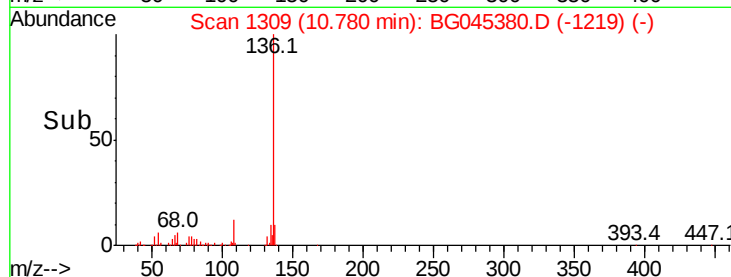
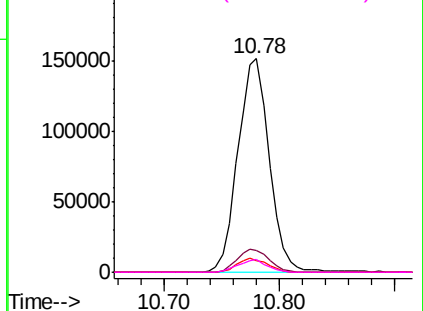
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG045380.D
Acq: 14 May 2020 16:29

Instrument :
BNA_G
ClientSampleId :
305

Tot Ion:136	Resp:	285159
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.6	13.0
54 5.5	4.8	7.2
68 5.9	5.2	7.8

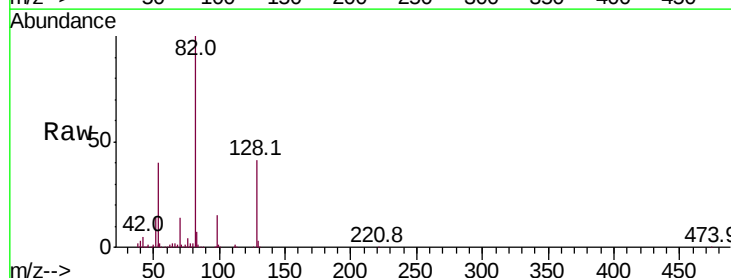


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

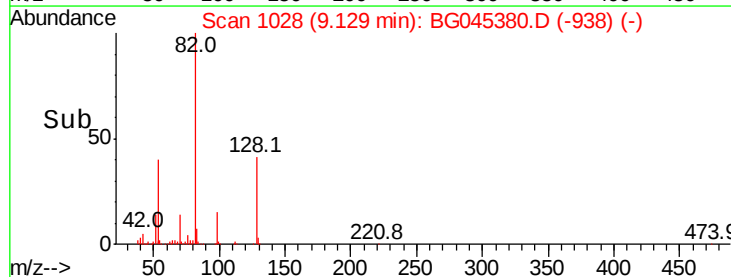
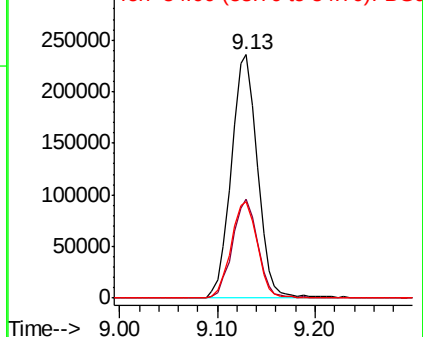


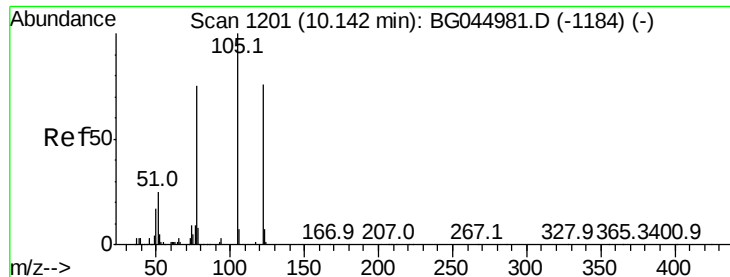
#23
Nitrobenzene-d5
Concen: 70.555 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG045380.D
Acq: 14 May 2020 16:29

Tgt Ion: 82	Resp: 440939
Ion Ratio	Lower Upper
82 100	
128 40.8	33.0 49.4
54 39.6	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: 6.387 ng

RT: 10.31 min Scan# 1229

Delta R.T. 0.20 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampleId :

305

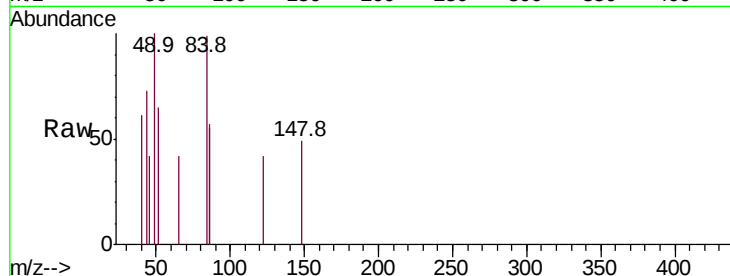
Tot Ion:122 Resp: 55

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): BGC

10.31

150

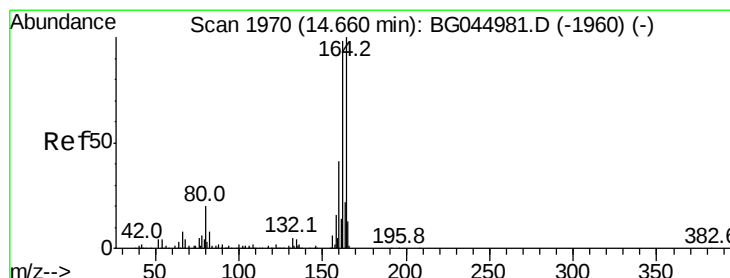
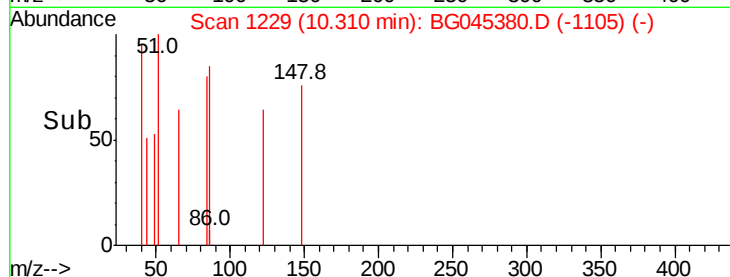
100

50

0

10.30 10.32

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

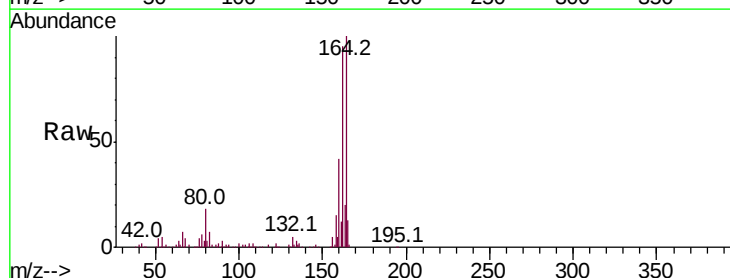
Tgt Ion:164 Resp: 212065

Ion Ratio Lower Upper

164 100

162 94.6 78.7 118.1

160 42.1 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

14.61

150000

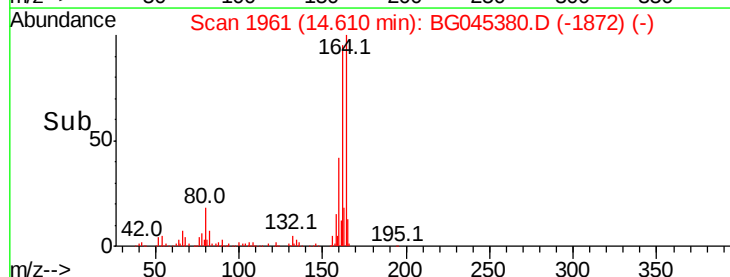
100000

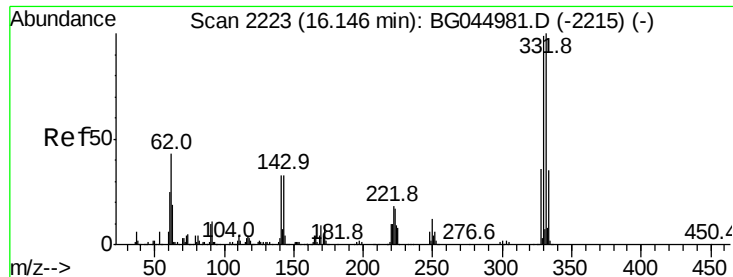
50000

0

14.60 14.70

Time-->

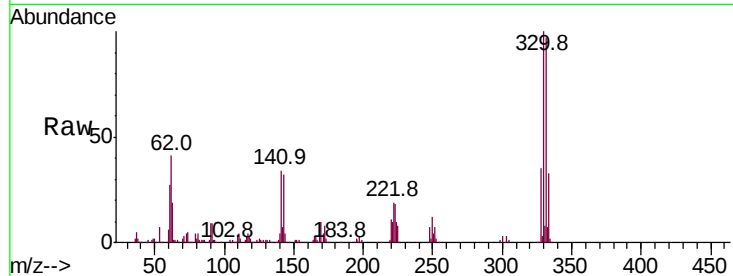




#42
 2,4,6-Tribromophenol
 Concen: 108.890 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG045380.D
 Acq: 14 May 2020 16:29

Instrument :
 BNA_G
 ClientSampleId :
 305

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	35.2	27.1	40.7

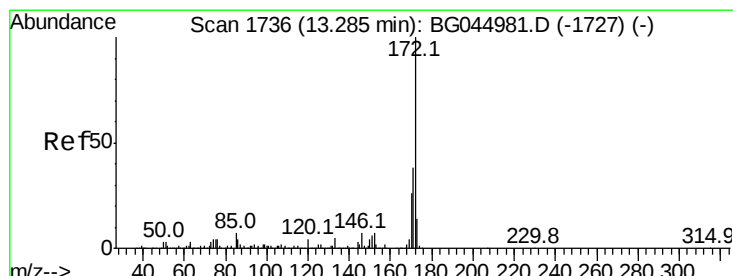
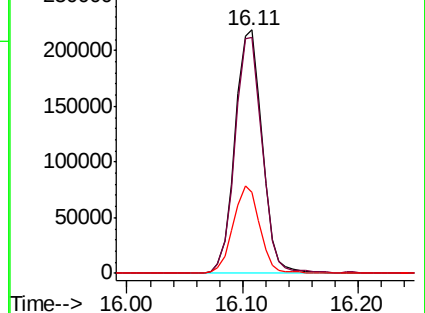
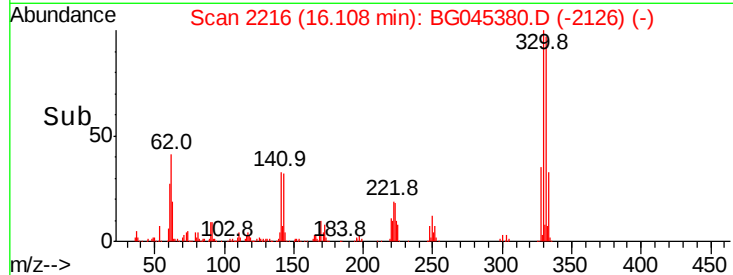


Abundance

Ion 329.80 (329.50 to 330.50): E

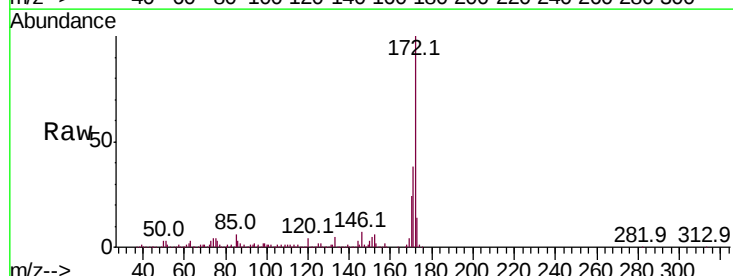
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.951 ng
 RT: 13.24 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045380.D
 Acq: 14 May 2020 16:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.6	46.0
170	23.6	20.5	30.7

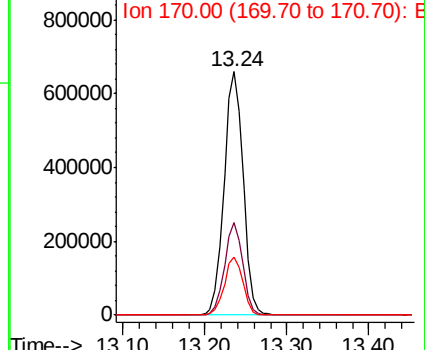
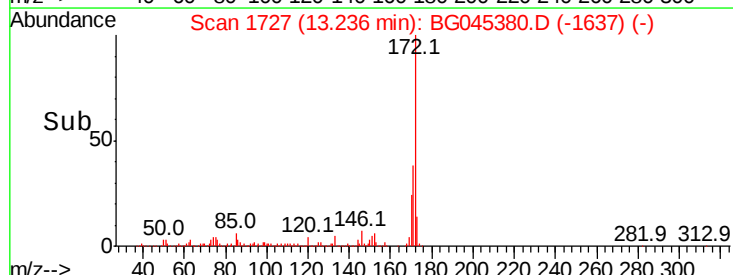


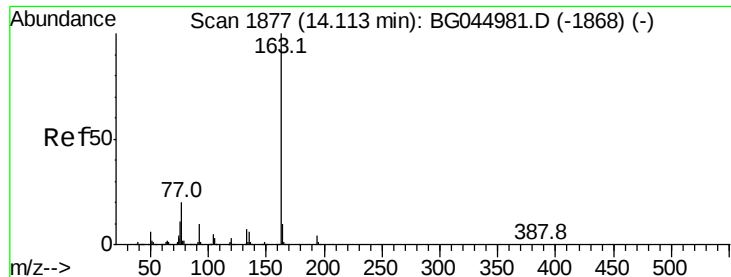
Abundance

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





#50

Dimethylphthalate

Concen: 3.738 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampled :

305

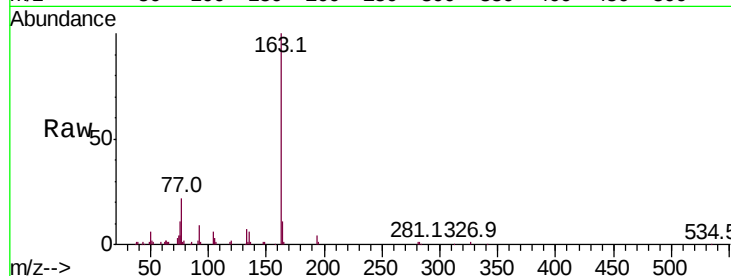
Tot Ion:163 Resp: 64548

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

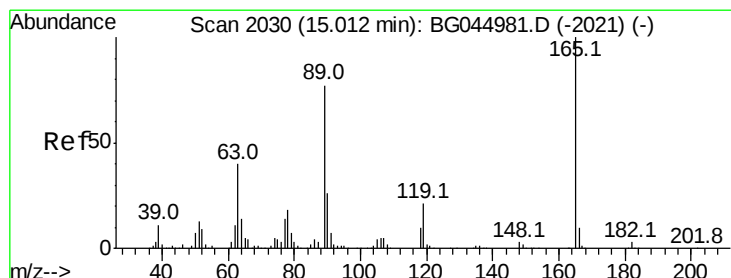
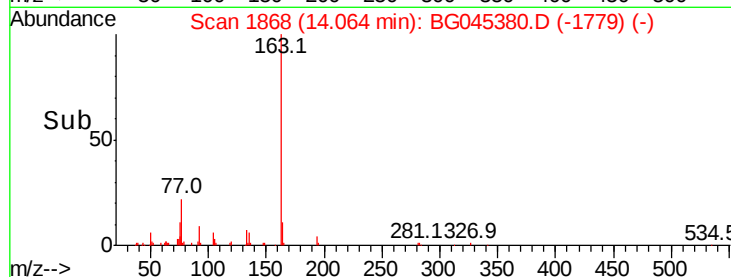
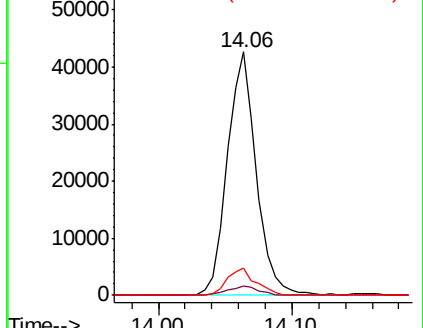
164 11.2 8.2 12.4



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: 4.911 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.37 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Tgt Ion:165 Resp: 27716

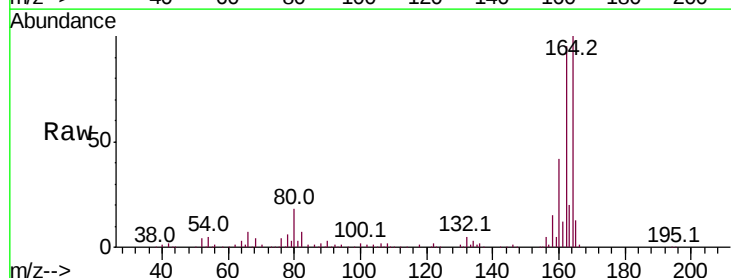
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.8 61.7 92.5#

182 0.0 2.0 3.0#

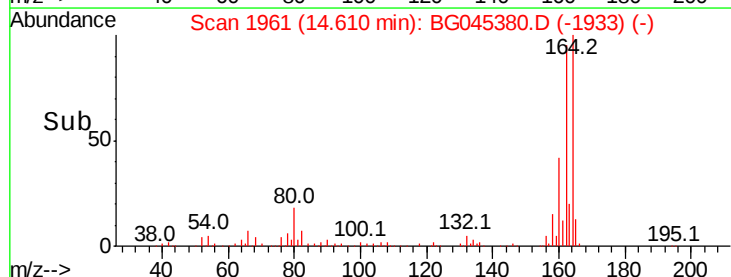
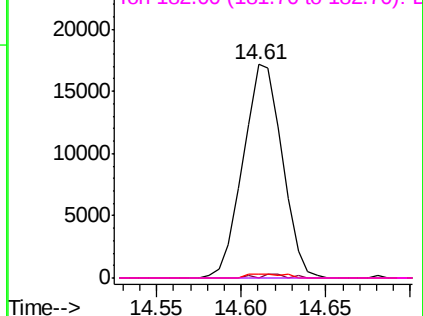


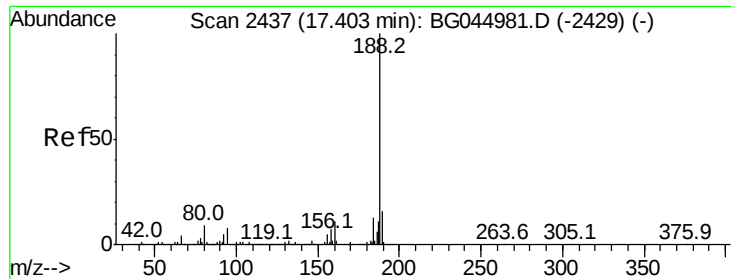
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.36 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampleId :

305

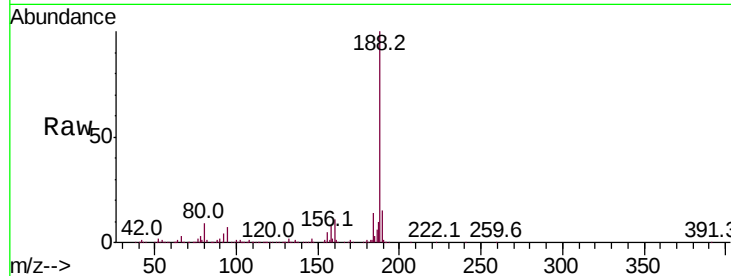
Tot Ion:188 Resp: 508340

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

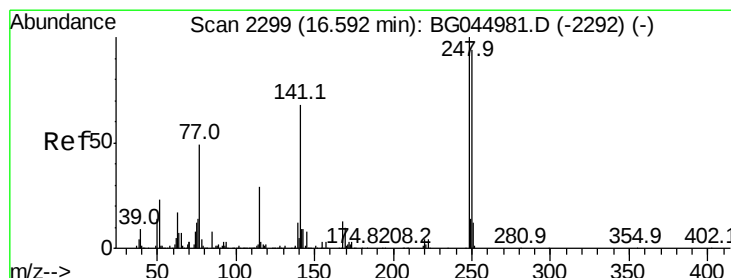
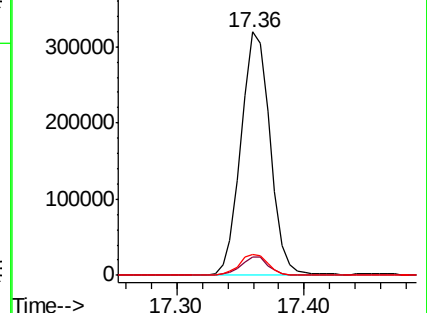
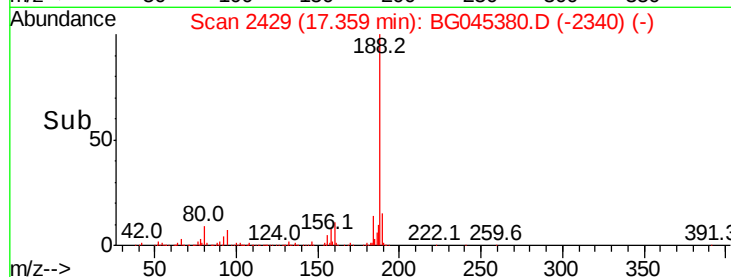
80 8.7 7.0 10.6



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: 3.728 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.46 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

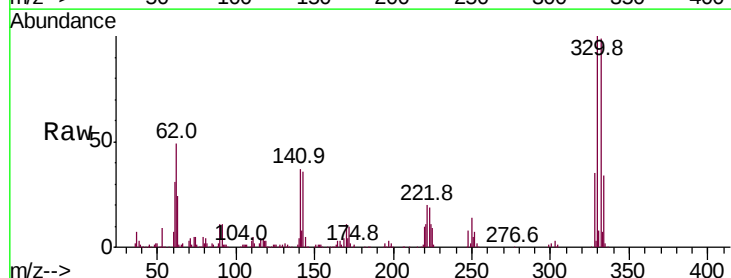
Tgt Ion:248 Resp: 24448

Ion Ratio Lower Upper

248 100

250 187.8 75.4 113.2#

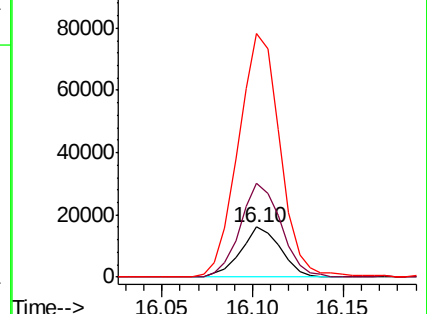
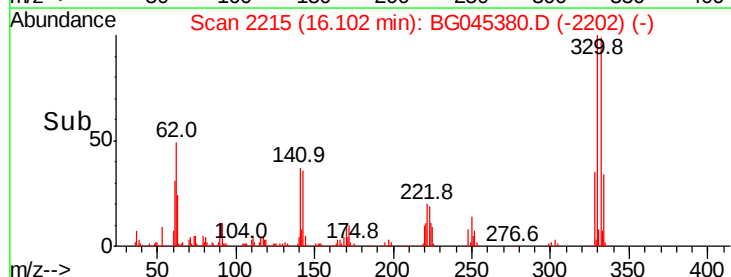
141 485.3 54.4 81.6#

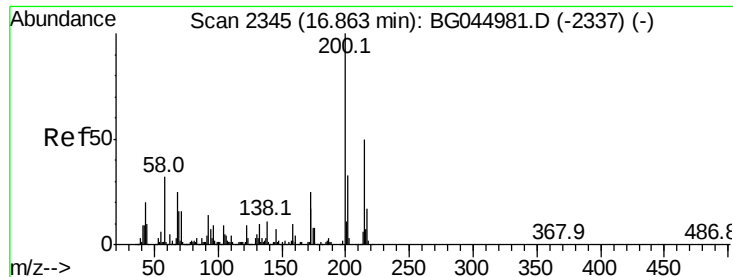


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.29 min Scan# 2417

Delta R.T. 0.46 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampleId :

305

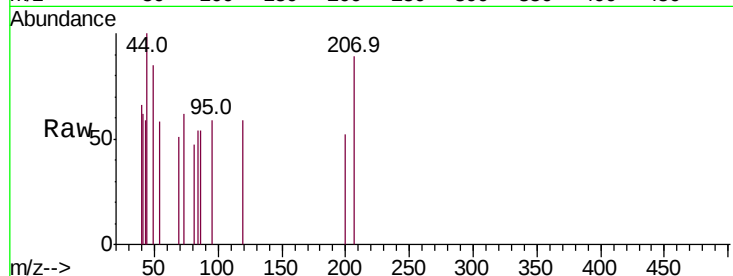
Tot Ion:200 Resp: 59

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

17.29

150

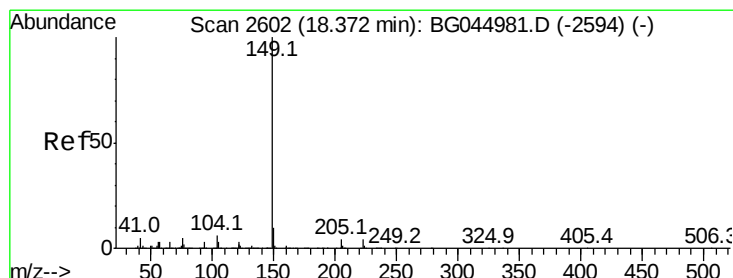
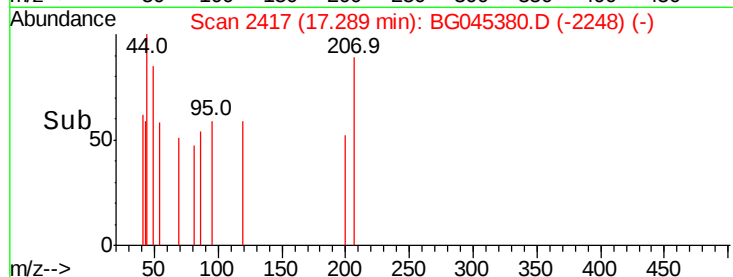
100

50

0

17.28 17.30

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

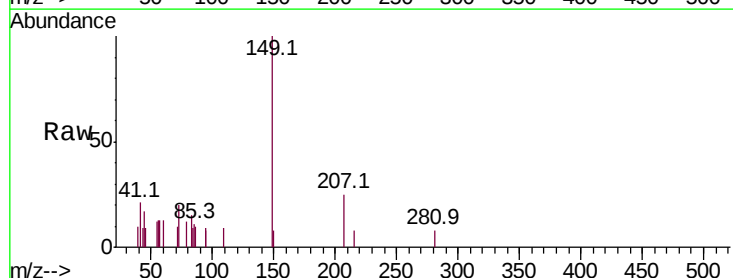
Tgt Ion:149 Resp: 2437

Ion Ratio Lower Upper

149 100

150 8.4 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

18.33

2500

2000

1500

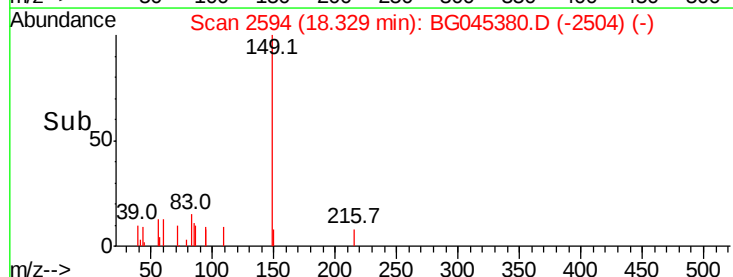
1000

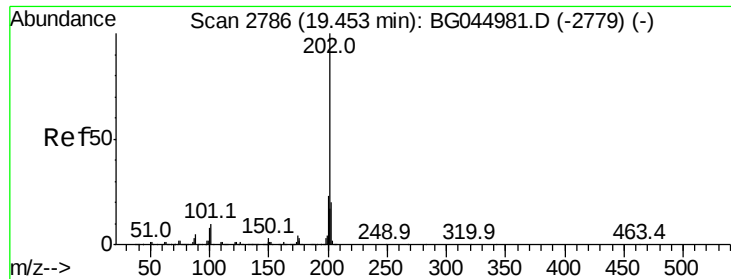
500

0

18.30 18.35

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2780

Delta R.T. 0.00 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampleId :

305

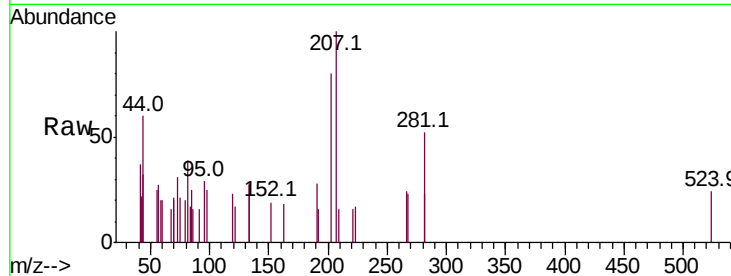
Tot Ion:202 Resp: 1127

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

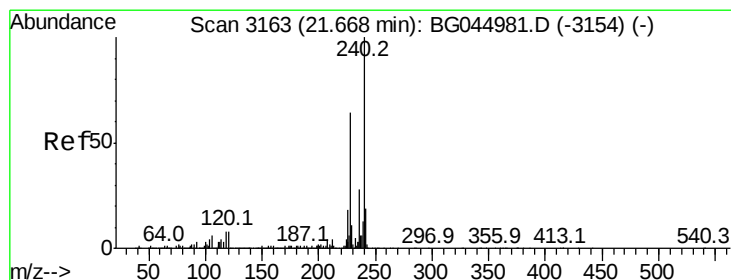
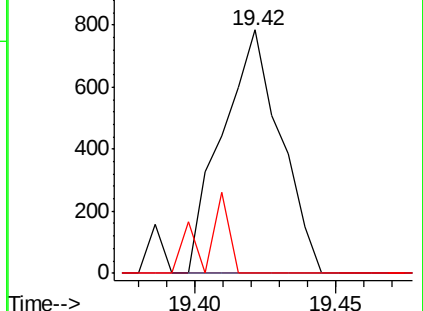
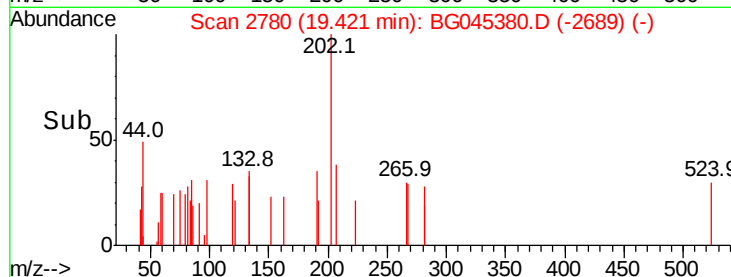
203 0.0 0.0 39.7



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: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

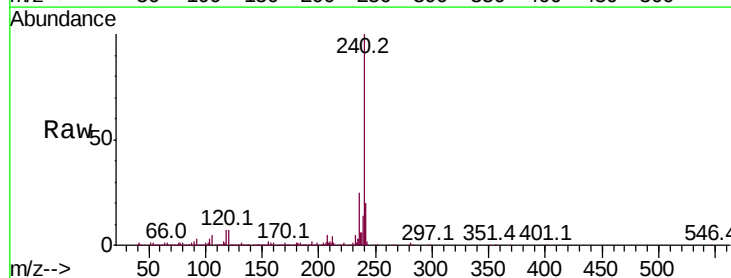
Tgt Ion:240 Resp: 513175

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

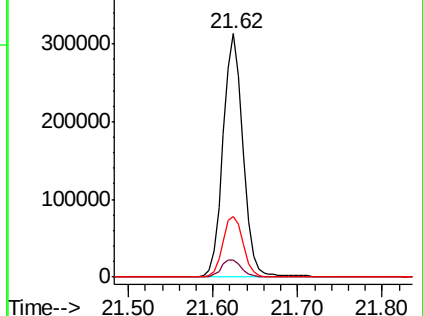
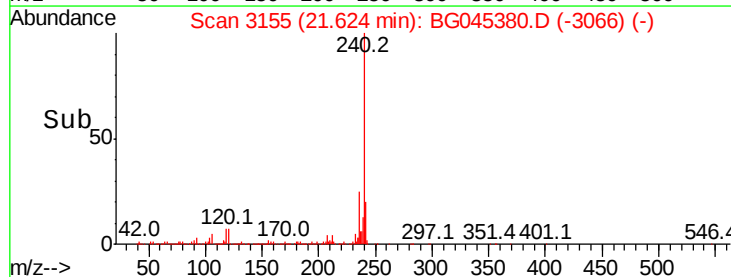
236 24.9 22.2 33.2

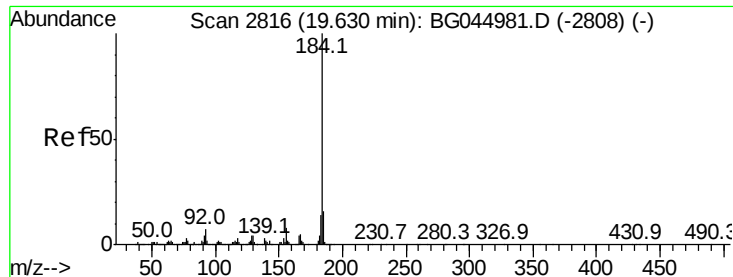


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

Instrument :

BNA_G

ClientSampleId :

305

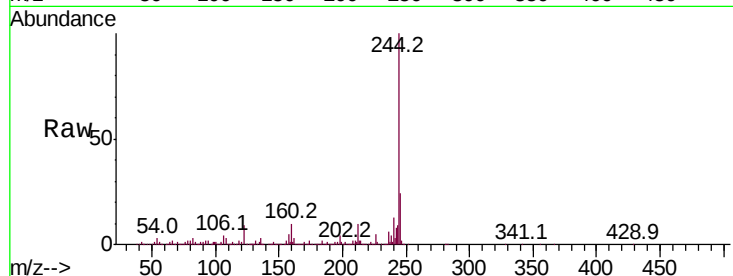
Tot Ion:184 Resp: 37711

Ion Ratio Lower Upper

184 100

185 19.5 12.6 19.0#

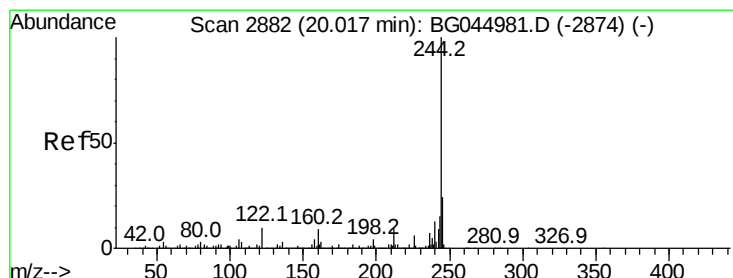
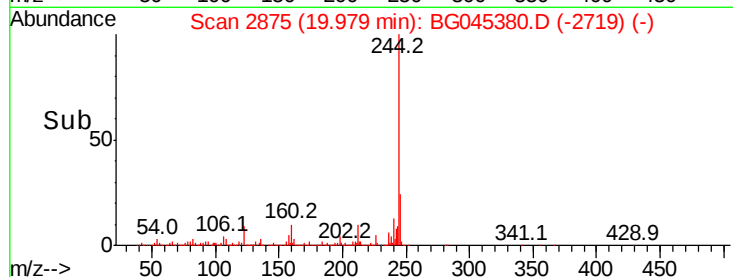
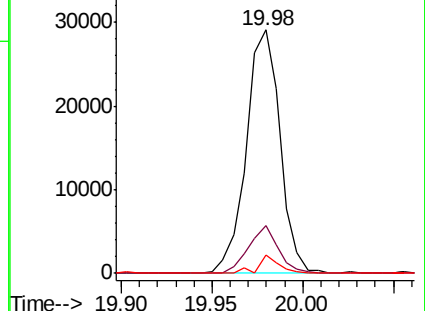
183 7.3 11.3 16.9#



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: 81.086 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045380.D

Acq: 14 May 2020 16:29

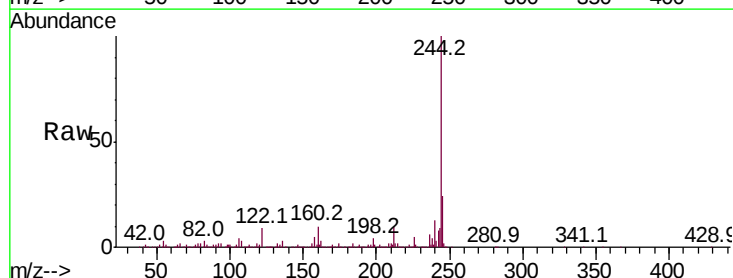
Tgt Ion:244 Resp: 1909158

Ion Ratio Lower Upper

244 100

212 10.1 7.9 11.9

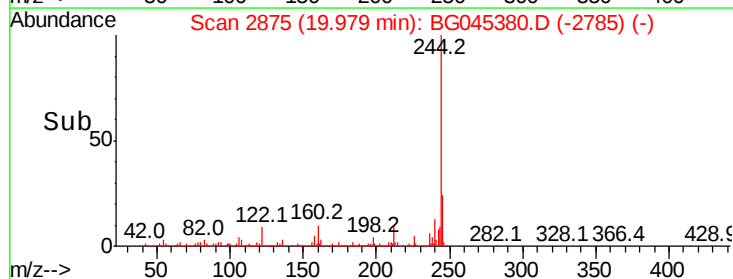
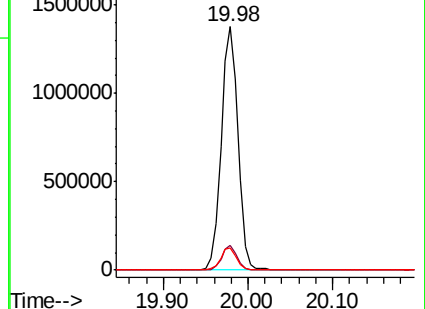
122 9.1 7.7 11.5

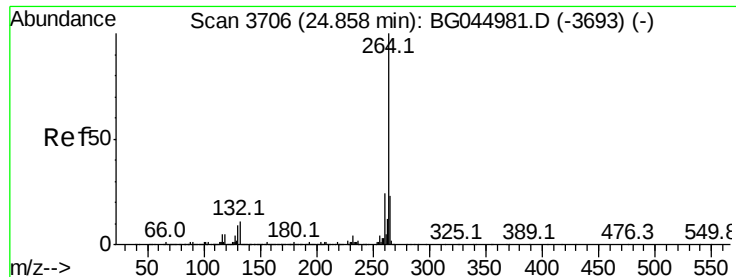


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045380.D
Acq: 14 May 2020 16:29

Instrument :
BNA_G
ClientSampleId :
305

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.3	19.0	28.4

