

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051420\
 Data File : BG045381.D
 Acq On : 14 May 2020 17:09
 Operator : CG/JU
 Sample : L2605-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 239992

Quant Time: May 14 18:01:13 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	80808	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	305220	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	217124	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	509546	20.00	ng	0.00
76) Chrysene-d12	21.62	240	503022	20.00	ng	-0.01
87) Perylene-d12	24.79	264	529657	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	414803	84.75	ng	0.00
7) Phenol-d6	7.14	99	496090	68.22	ng	0.00
23) Nitrobenzene-d5	9.13	82	473105	70.73	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	350801	104.58	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1080259	72.95	ng	0.00
79) Terphenyl-d14	19.98	244	1895408	82.13	ng	0.00

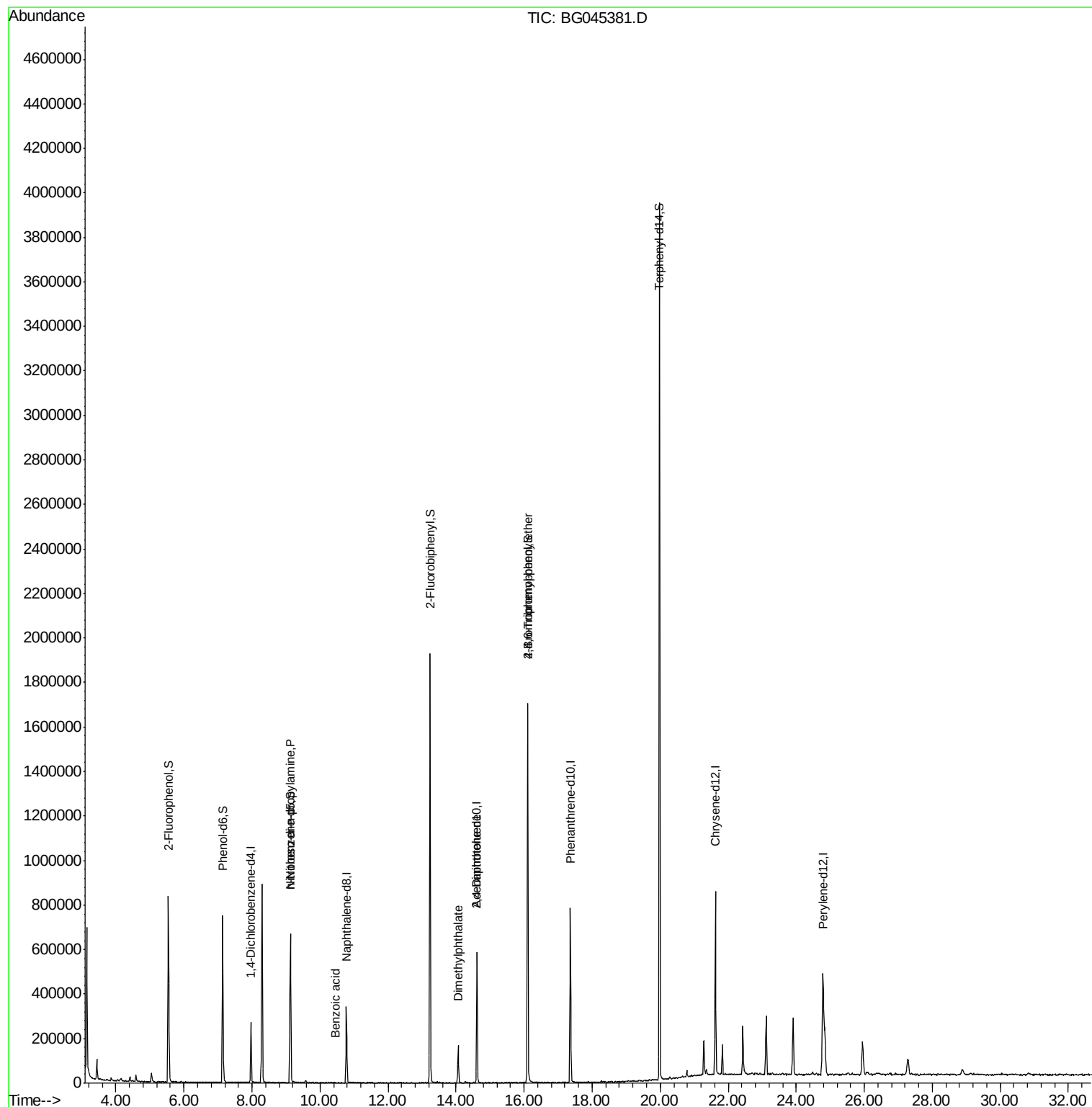
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	938	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	63906	12.426 ng	#	75
32) Benzoic acid	10.45	122	57	6.387 ng	#	1
50) Dimethylphthalate	14.06	163	111729	6.320 ng		98
57) 2,4-Dinitrotoluene	14.61	165	28331	4.903 ng	#	22
67) 4-Bromophenyl-phenylether	16.11	248	24131	3.671 ng	#	1
74) Di-n-butylphthalate	18.33	149	1600	Below Cal	#	76
75) Fluoranthene	19.41	202	290	Below Cal		62
77) Benzidine	19.98	184	36552	Below Cal	#	93

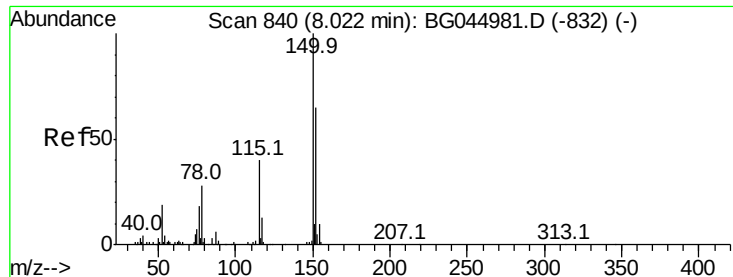
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051420\
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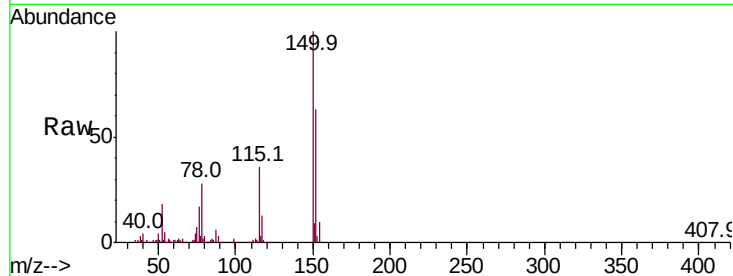


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Instrument :
BNA_G
ClientSampleId :
239992

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	123.6	185.4
115	57.8	49.1	73.7

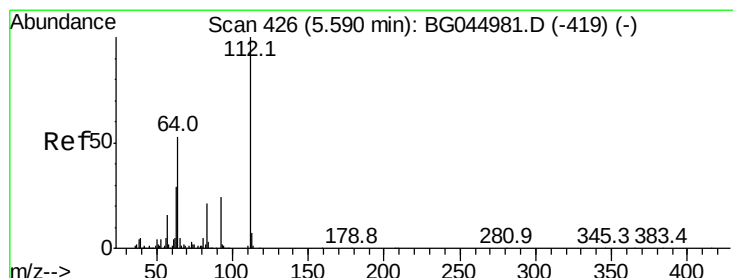
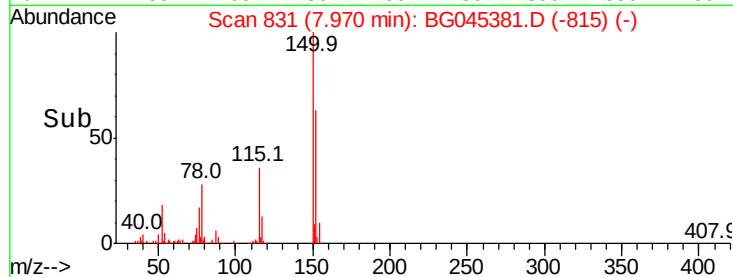
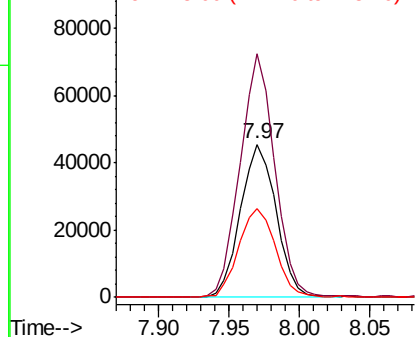


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

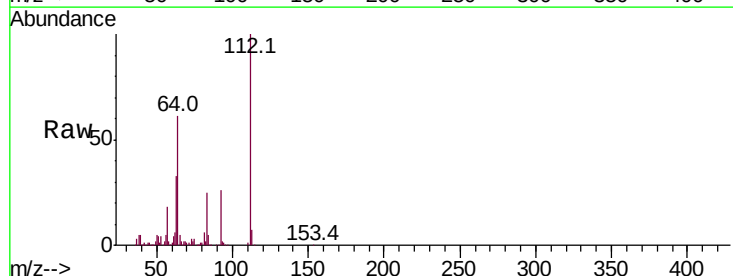
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.746 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	42.4	63.6
63	33.5	23.1	34.7

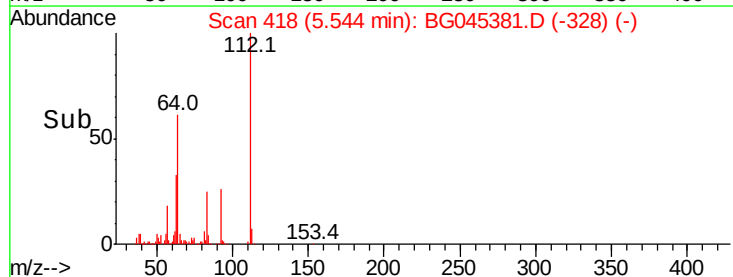
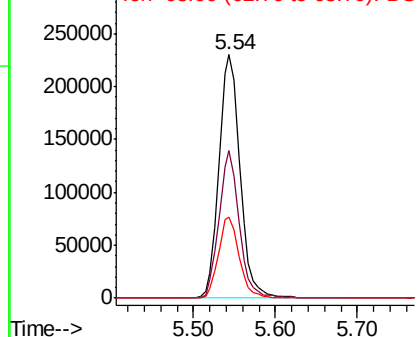


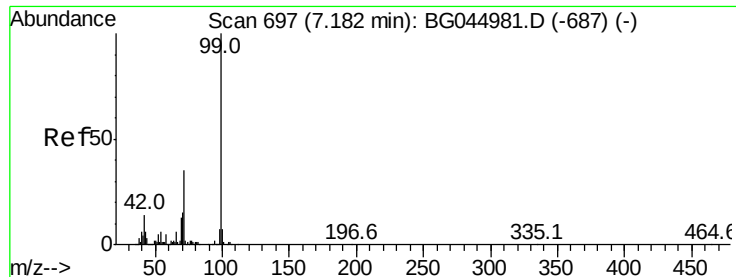
Abundance

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: 68.217 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Instrument :

BNA_G

ClientSampleId :

239992

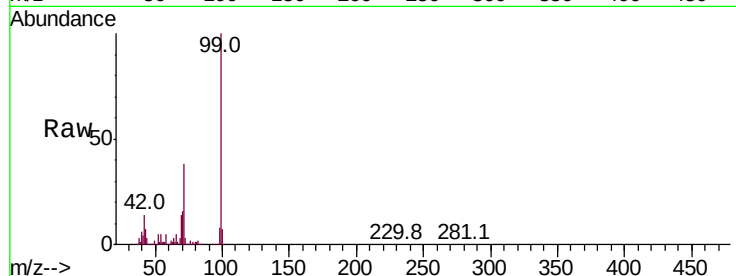
Tot Ion: 99 Resp: 496090

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

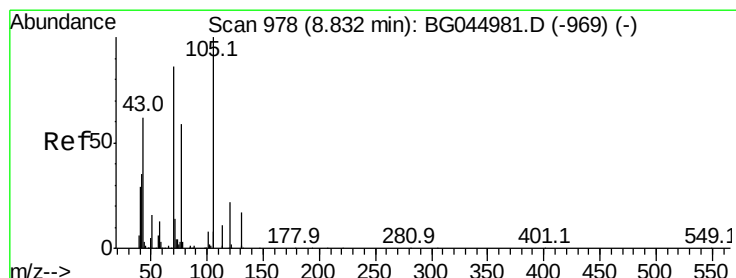
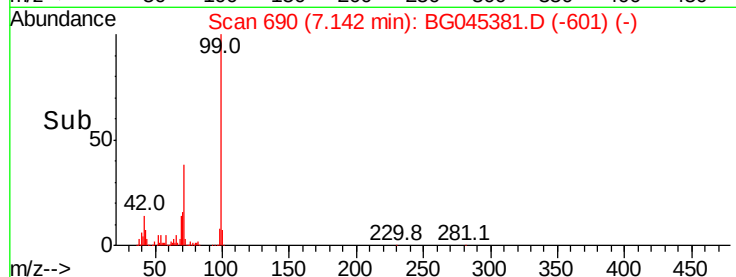
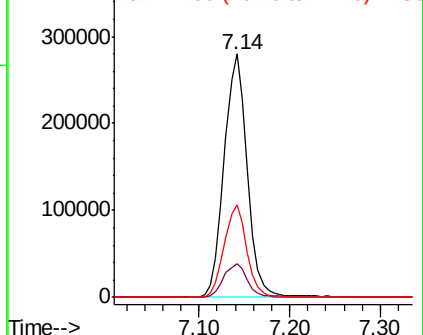
71 38.0 28.3 42.5



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: 12.426 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Tgt Ion: 70 Resp: 63906

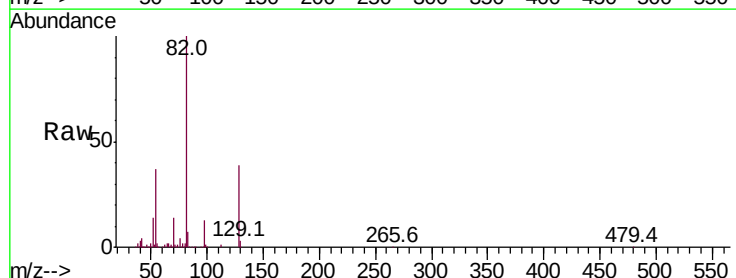
Ion Ratio Lower Upper

70 100

42 30.2 33.3 49.9#

101 0.0 7.8 11.8#

130 1.7 15.8 23.6#

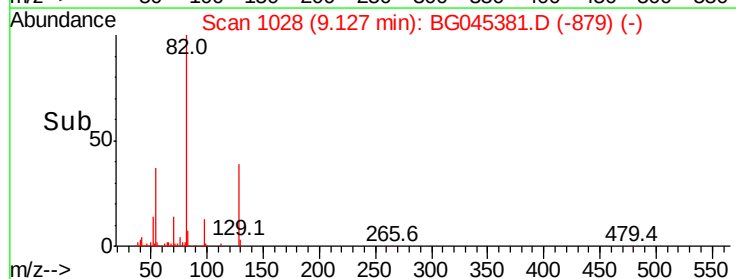
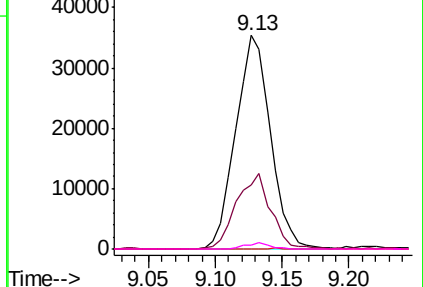


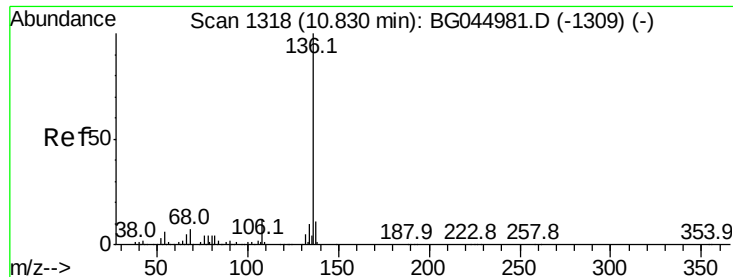
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

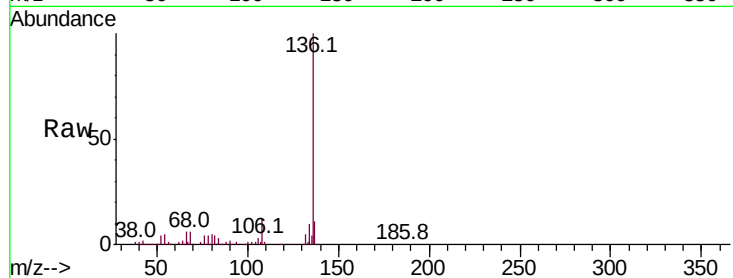




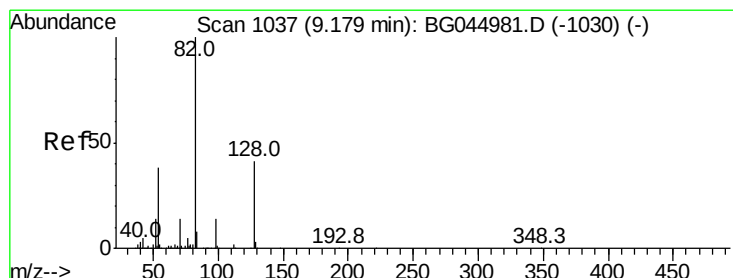
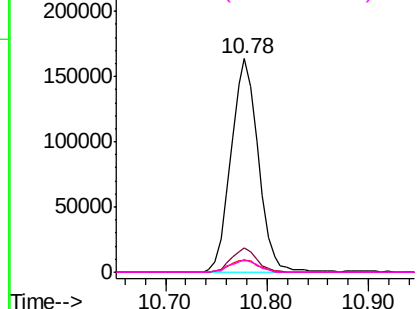
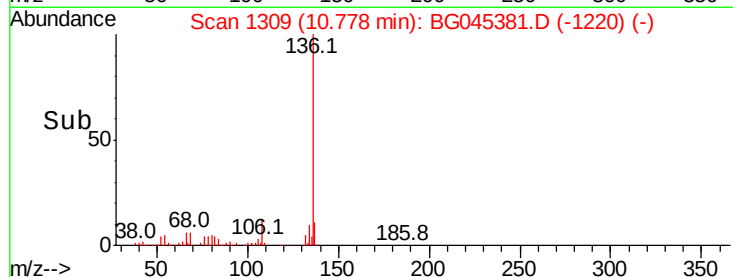
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Instrument :
BNA_G
ClientSampleId :
239992

Tot Ion:	136	Resp:	305220
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	5.2	4.8	7.2
68	6.0	5.2	7.8

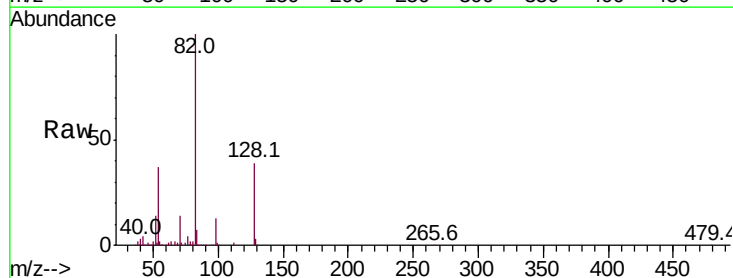


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

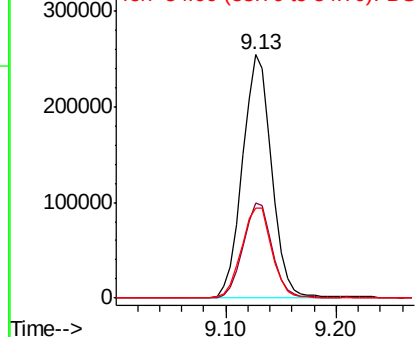
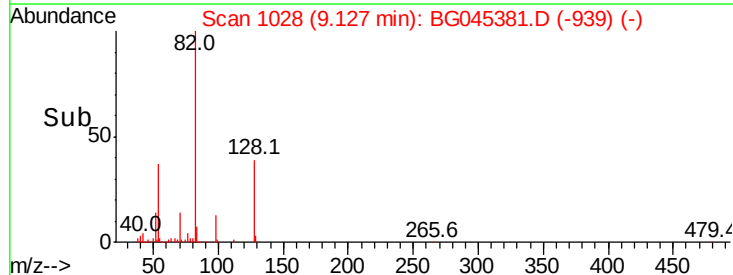


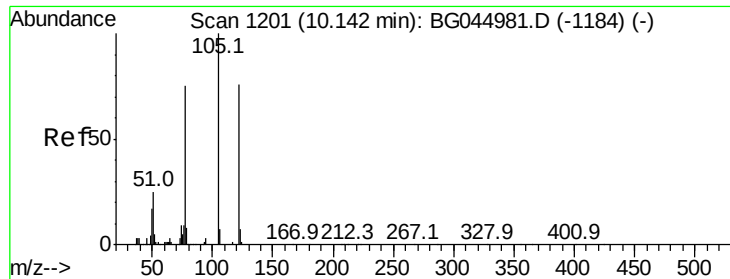
#23
Nitrobenzene-d5
Concen: 70.727 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Tgt Ion:	82	Resp:	473105
Ion	Ratio	Lower	Upper
82	100		
128	39.0	33.0	49.4
54	37.0	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

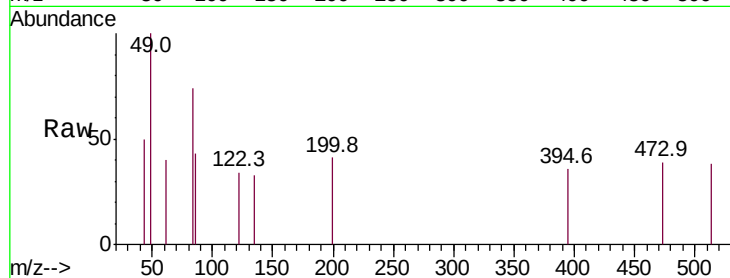




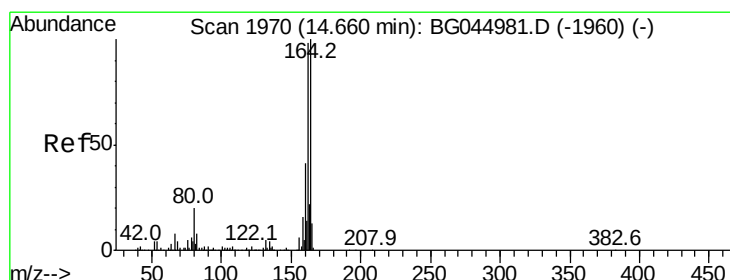
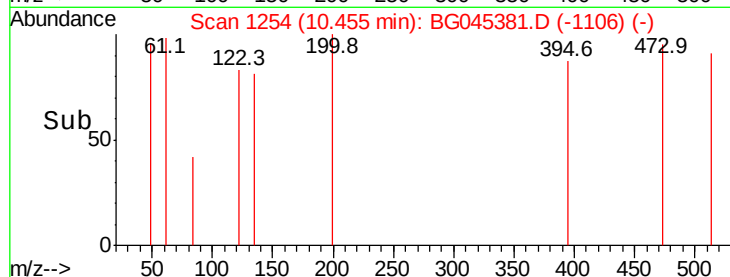
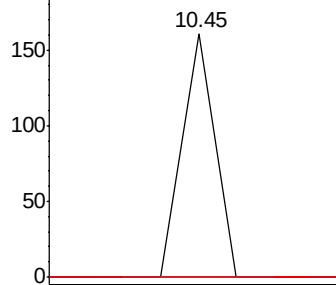
#32
Benzoic acid
Concen: 6.387 ng
RT: 10.45 min Scan# 1254
Delta R.T. 0.34 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Instrument :
BNA_G
ClientSampleId :
239992

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#

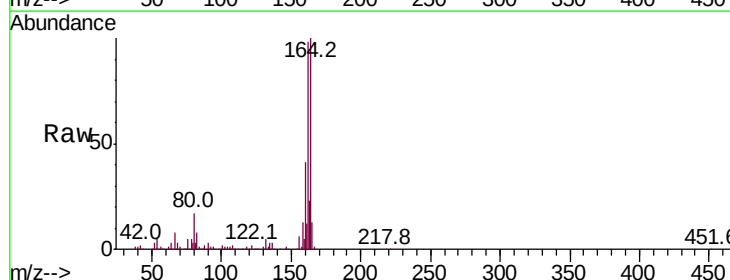


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

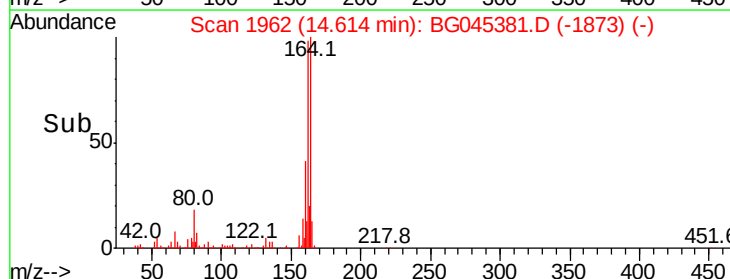
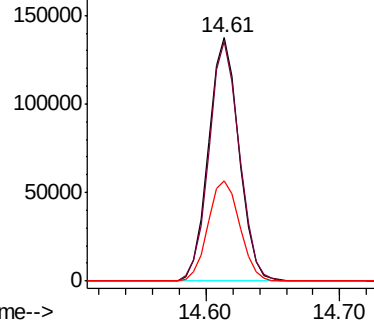


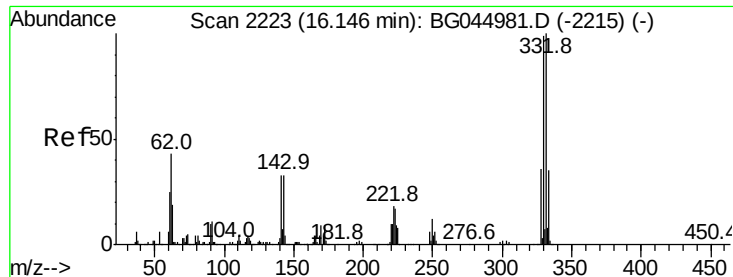
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.7	118.1
160	41.1	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

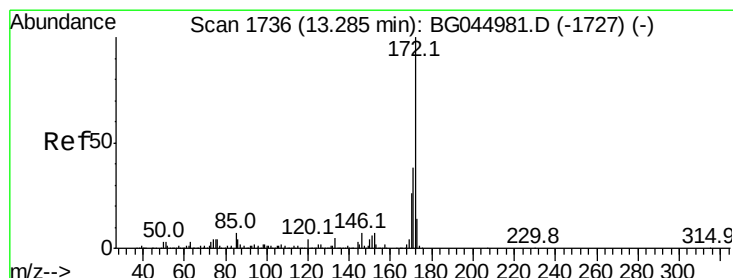
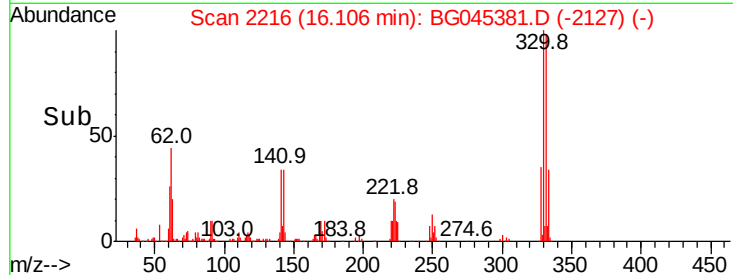
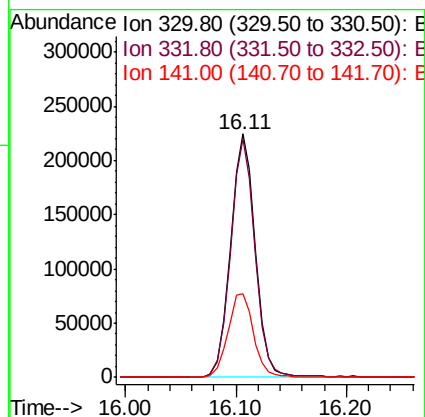
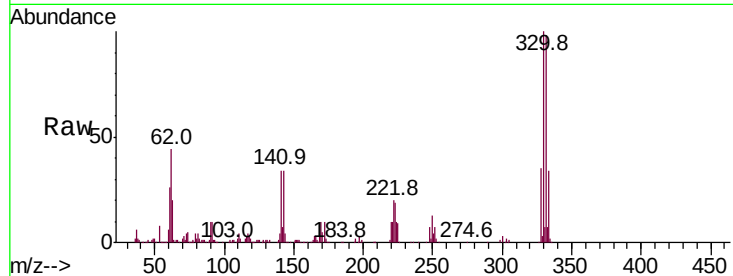




#42
 2,4,6-Tribromophenol
 Concen: 104.583 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045381.D
 Acq: 14 May 2020 17:09

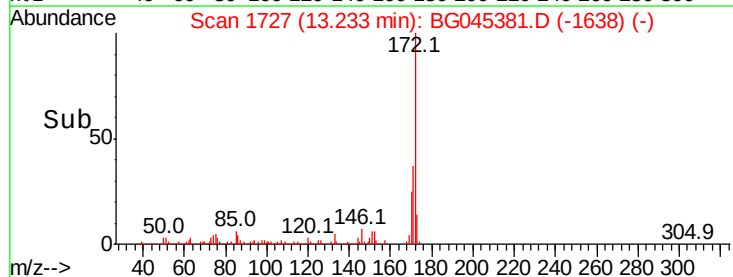
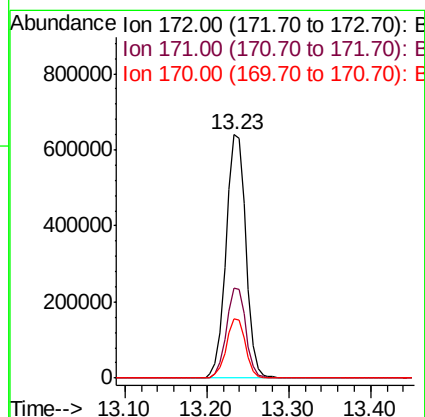
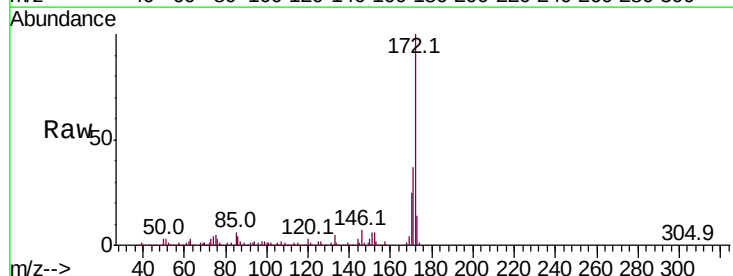
Instrument :
 BNA_G
 ClientSampleId :
 239992

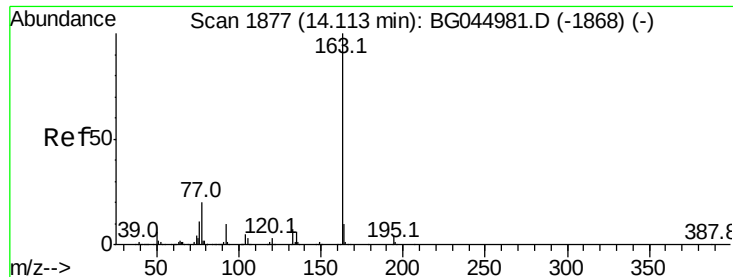
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.1	118.7
141	35.8	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 72.954 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045381.D
 Acq: 14 May 2020 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	24.5	20.5	30.7





#50

Dimethylphthalate

Concen: 6.320 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Instrument :

BNA_G

ClientSampled :

239992

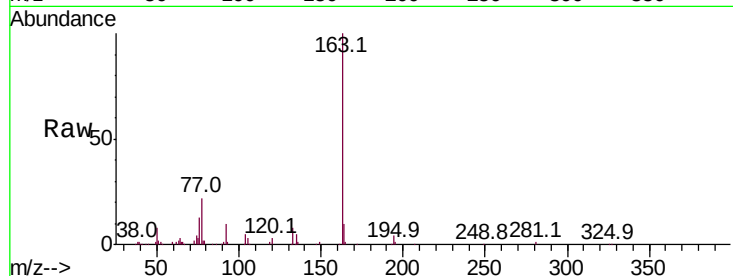
Tot Ion:163 Resp: 111729

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

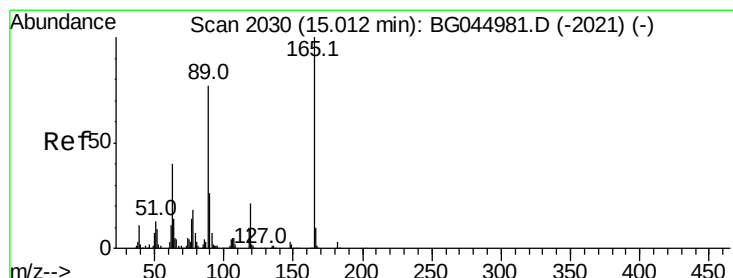
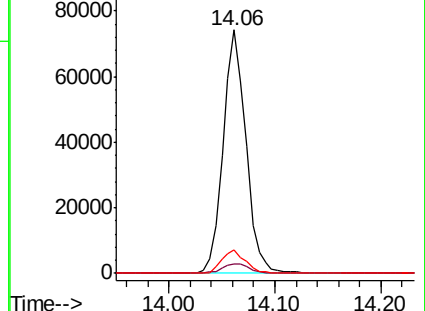
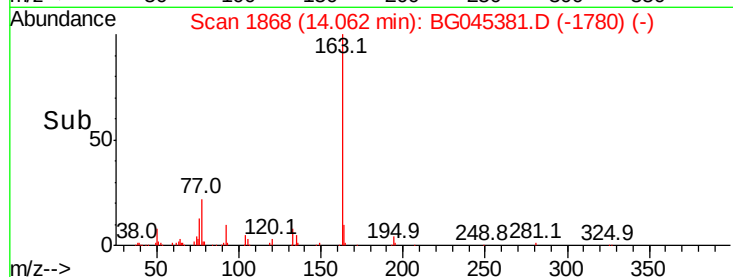
164 9.6 8.2 12.4



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: 4.903 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Tgt Ion:165 Resp: 28331

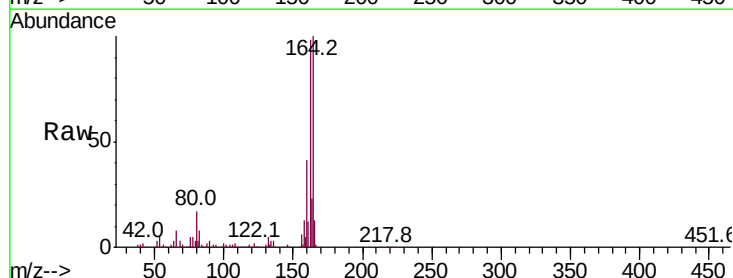
Ion Ratio Lower Upper

165 100

63 1.8 32.2 48.2#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#

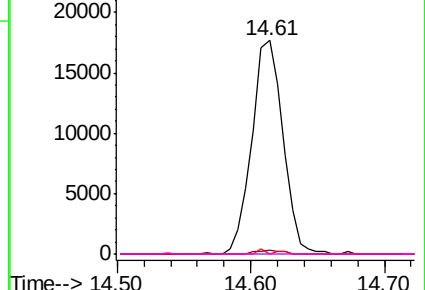
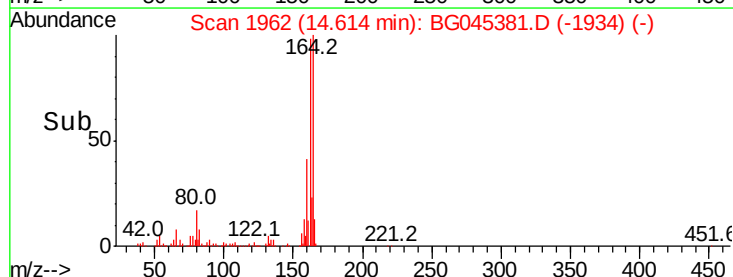


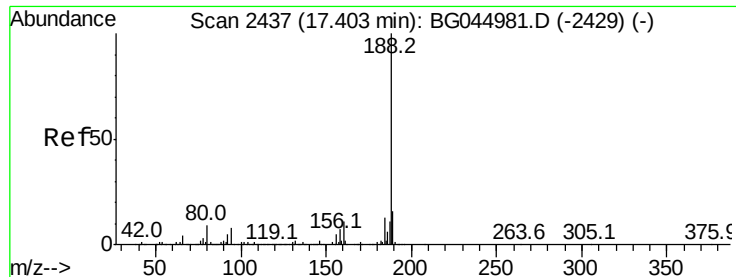
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Instrument :

BNA_G

ClientSampleId :

239992

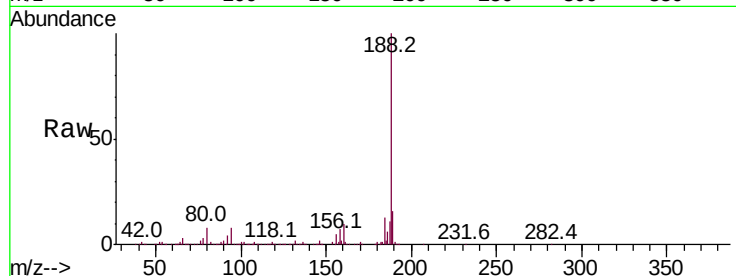
Tot Ion:188 Resp: 509546

Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.4

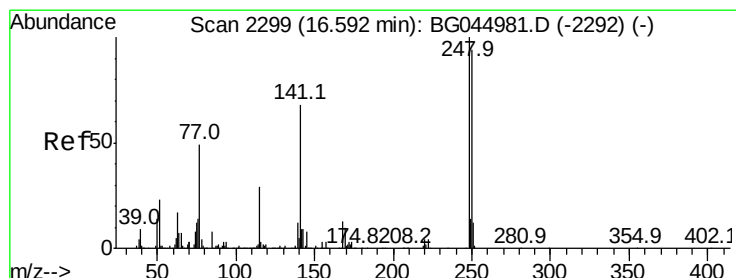
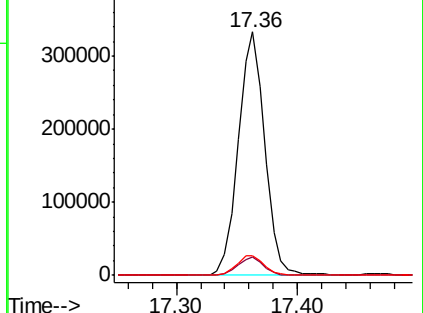
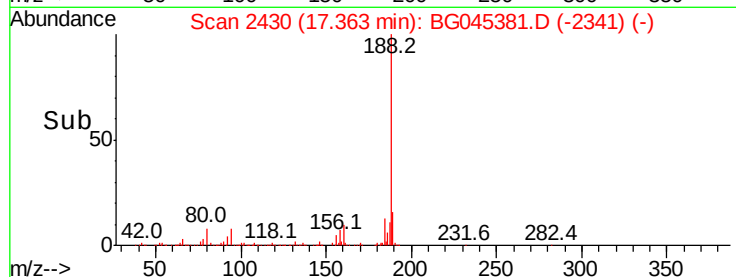
80 7.9 7.0 10.6



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: 3.671 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

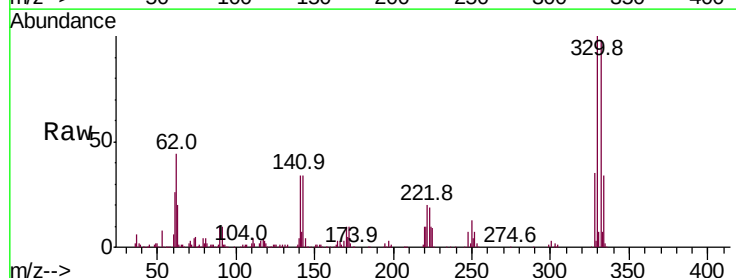
Tgt Ion:248 Resp: 24131

Ion Ratio Lower Upper

248 100

250 192.6 75.4 113.2#

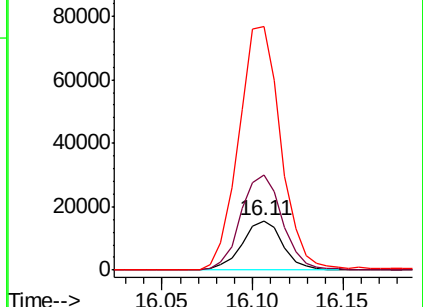
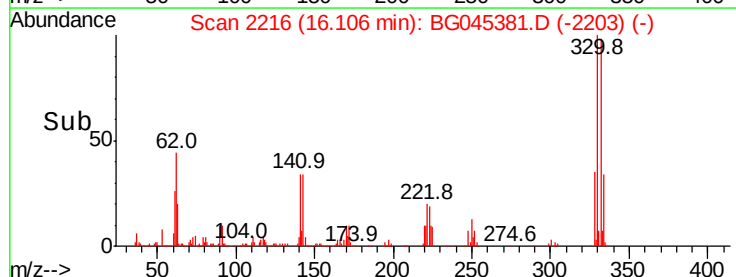
141 492.5 54.4 81.6#

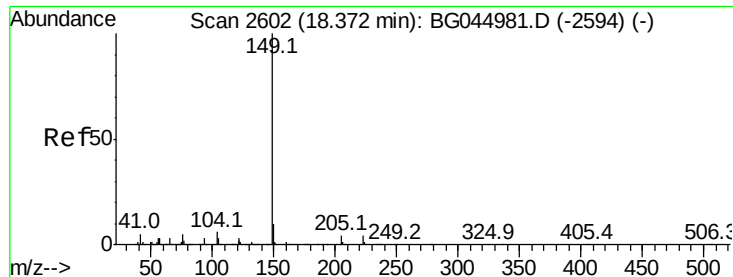


Abundance Ion 248.00 (247.70 to 248.70): E

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: 18.33 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Instrument :

BNA_G

ClientSampleId :

239992

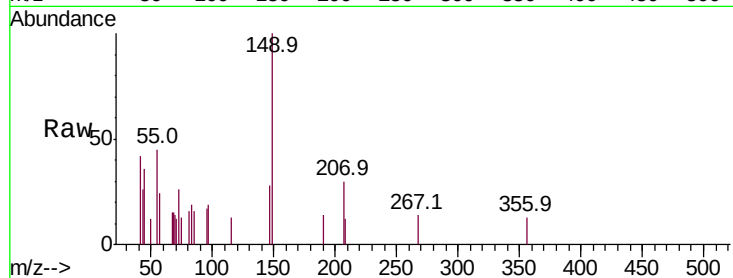
Tot Ion:149 Resp: 1600

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

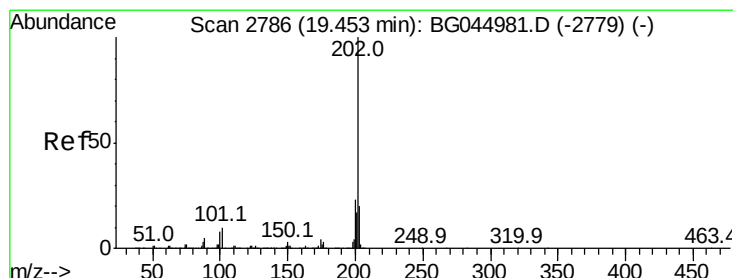
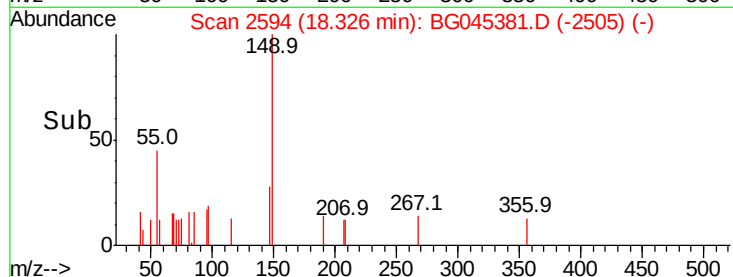
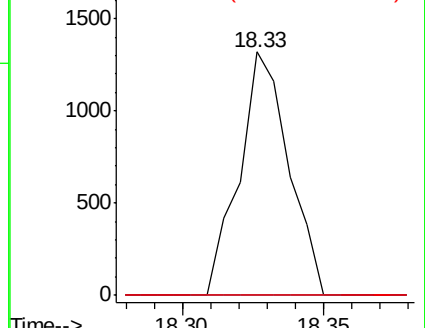
104 0.0 4.8 7.2#



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: 19.41 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

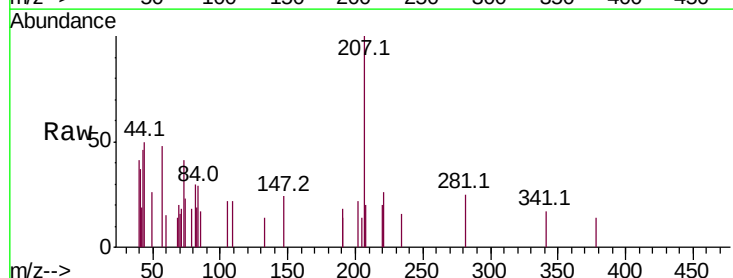
Tgt Ion:202 Resp: 290

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

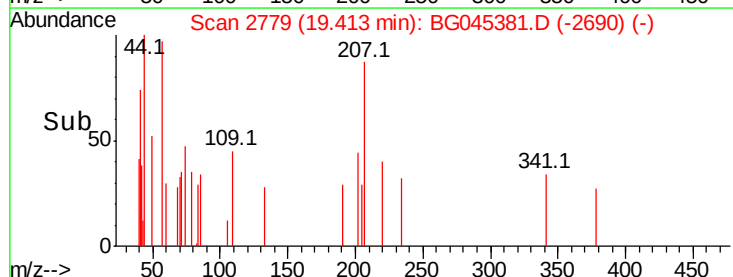
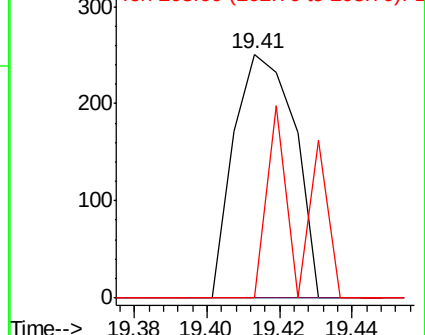
203 0.0 0.0 39.7

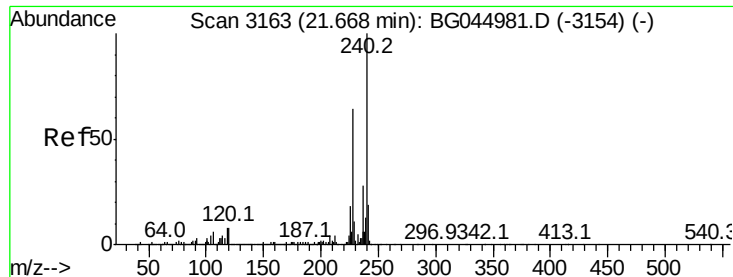


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

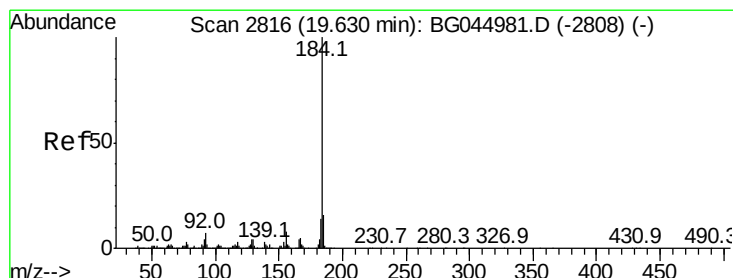
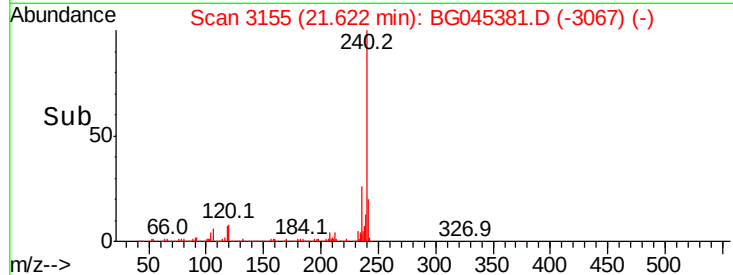
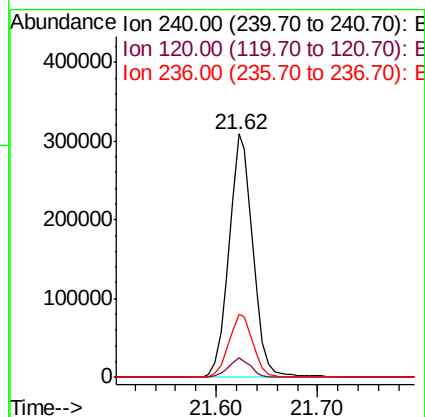
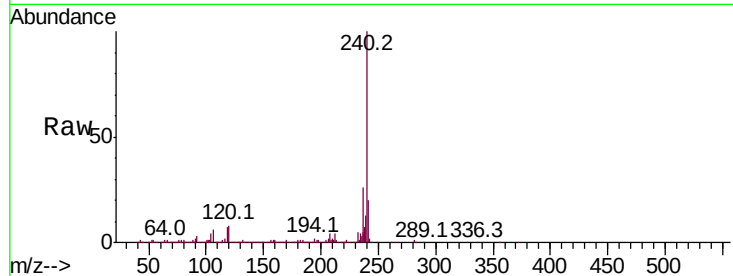




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

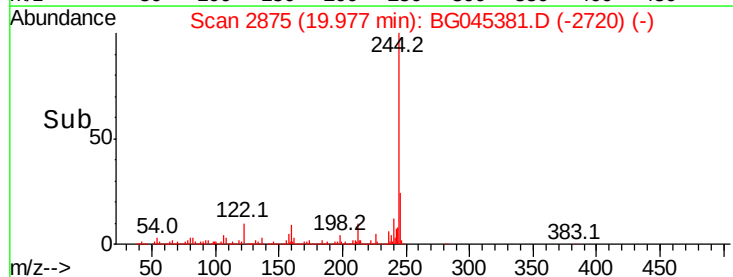
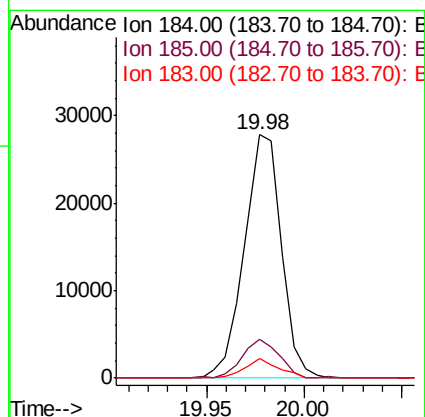
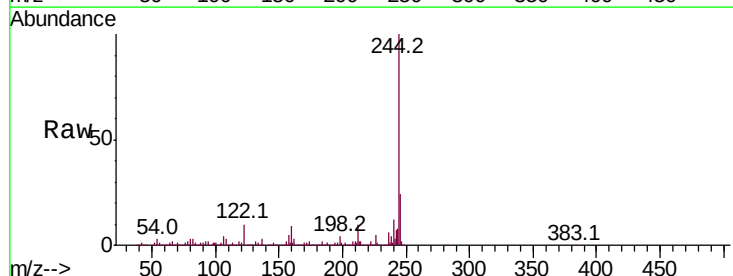
Instrument :
BNA_G
ClientSampleId :
239992

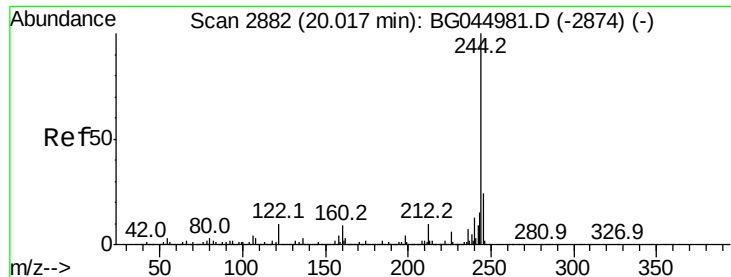
Tot Ion:240 Resp: 503022
Ion Ratio Lower Upper
240 100
120 8.0 6.6 10.0
236 26.0 22.2 33.2



#77
Benzidine
Concen: Below Cal
RT: 19.98 min Scan# 2875
Delta R.T. 0.38 min
Lab File: BG045381.D
Acq: 14 May 2020 17:09

Tgt Ion:184 Resp: 36552
Ion Ratio Lower Upper
184 100
185 16.0 12.6 19.0
183 8.2 11.3 16.9#





#79

Terphenyl-d14

Concen: 82.127 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

Instrument :

BNA_G

ClientSampleId :

239992

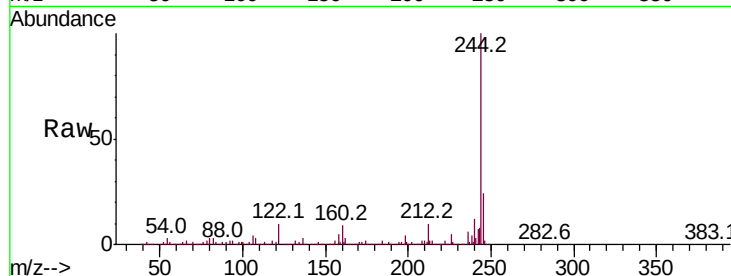
Tot Ion:244 Resp: 1895408

Ion Ratio Lower Upper

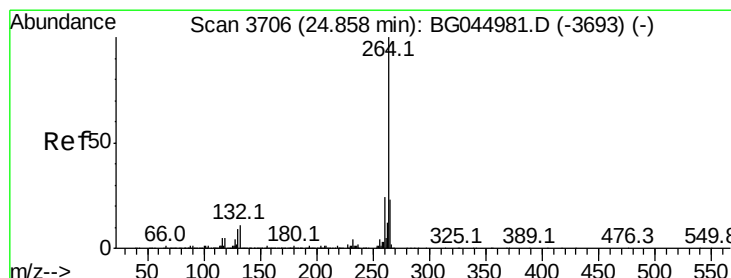
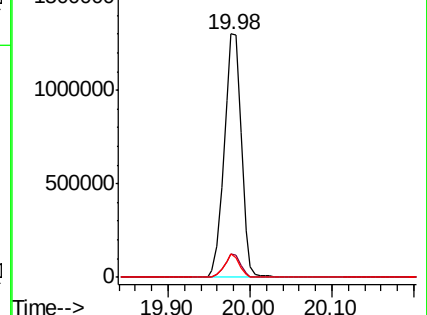
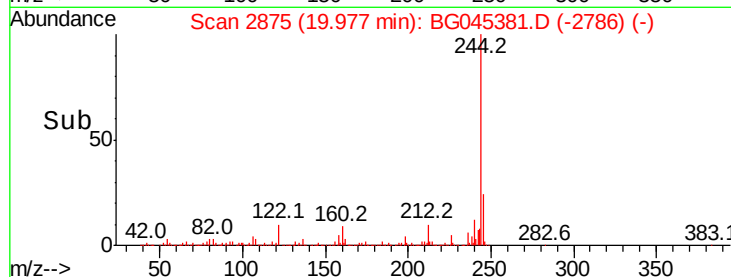
244 100

212 9.6 7.9 11.9

122 9.6 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: 24.79 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BG045381.D

Acq: 14 May 2020 17:09

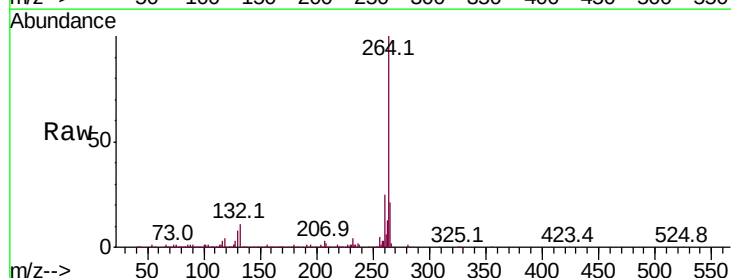
Tgt Ion:264 Resp: 529657

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 21.1 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

