

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042420\
 Data File : BG045163.D
 Acq On : 24 Apr 2020 16:22
 Operator : CG/JU
 Sample : L2399-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

Quant Time: Apr 24 17:51:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 13:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	73573	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	279552	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	198666	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	476253	20.00	ng	0.00
76) Chrysene-d12	21.64	240	493404	20.00	ng	-0.01
87) Perylene-d12	24.82	264	534890	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	415925	93.33	ng	0.00
7) Phenol-d6	7.17	99	636075	96.07	ng	0.00
23) Nitrobenzene-d5	9.16	82	438282	71.54	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	319250	104.02	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1023752	75.56	ng	0.00
79) Terphenyl-d14	20.00	244	1887088	83.36	ng	0.00

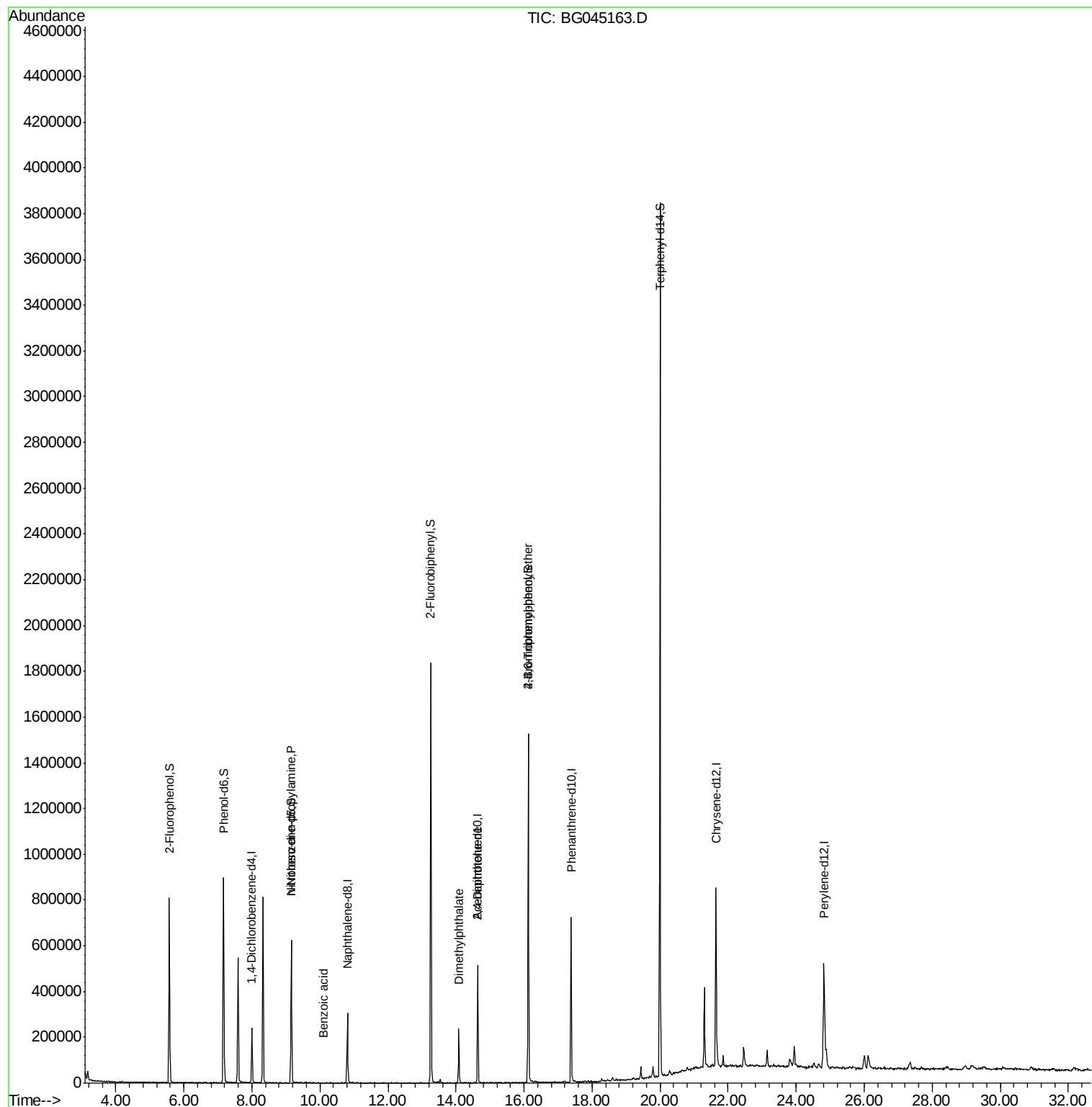
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1275	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	58307	12.452 ng	#	84
32) Benzoic acid	10.10	122	67	6.391 ng	#	84
50) Dimethylphthalate	14.08	163	165567	10.235 ng		100
57) 2,4-Dinitrotoluene	14.63	165	25277	4.780 ng	#	23
67) 4-Bromophenyl-phenylether	16.13	248	22104	3.598 ng	#	1
74) Di-n-butylphthalate	18.35	149	1069	Below Cal	#	67
75) Fluoranthene	19.43	202	34281	Below Cal		96
77) Benzidine	20.00	184	36445	Below Cal	#	92

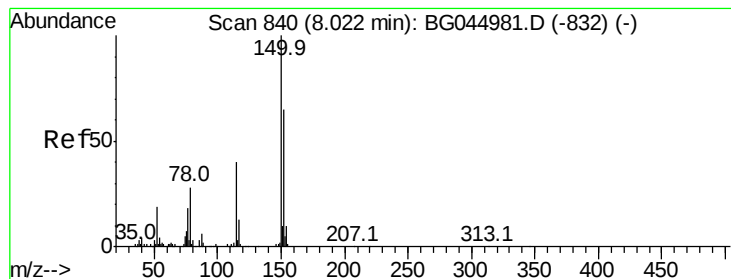
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. 0.00 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Instrument :

BNA_G

ClientSampleId :

SP1-A

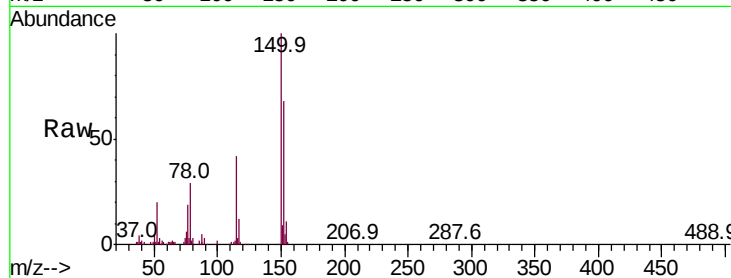
Tot Ion:152 Resp: 73573

Ion Ratio Lower Upper

152 100

150 148.0 123.6 185.4

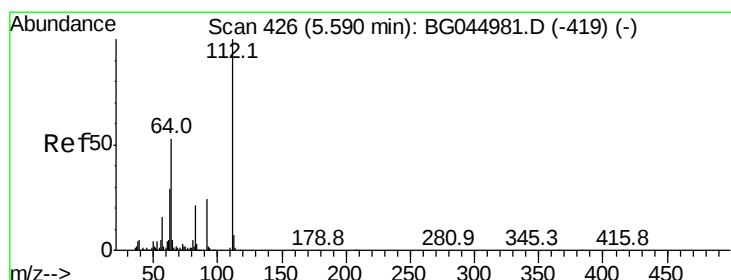
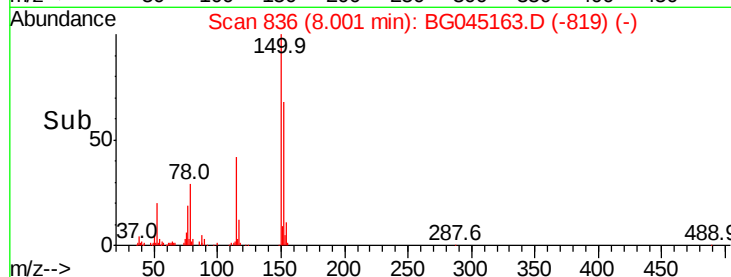
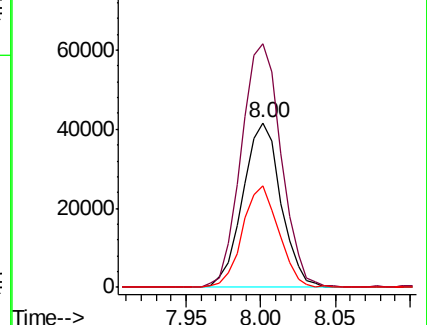
115 61.7 49.1 73.7



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: 93.332 ng

RT: 5.57 min Scan# 422

Delta R.T. -0.00 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

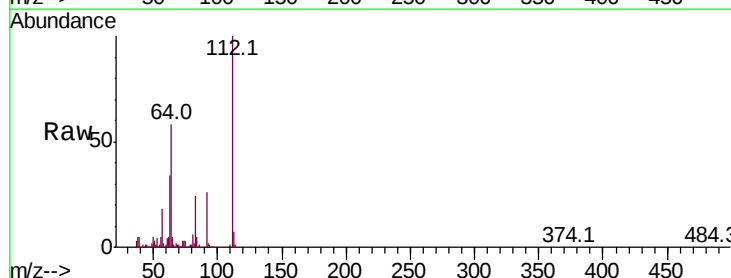
Tgt Ion:112 Resp: 415925

Ion Ratio Lower Upper

112 100

64 58.0 42.4 63.6

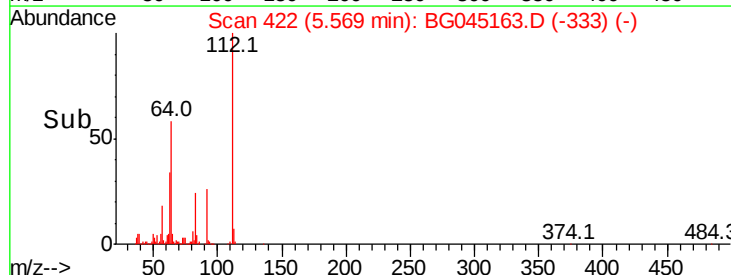
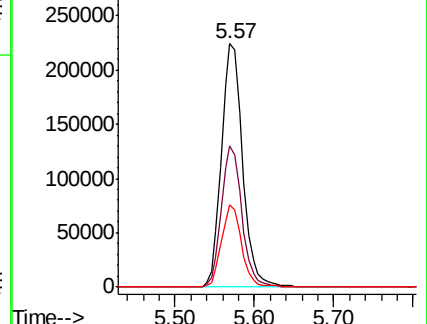
63 33.7 23.1 34.7

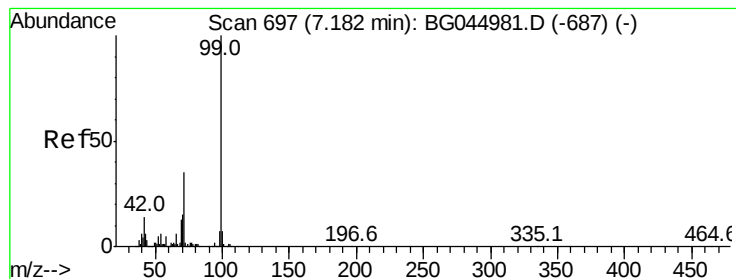


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 96.068 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Instrument :

BNA_G

ClientSampleId :

SP1-A

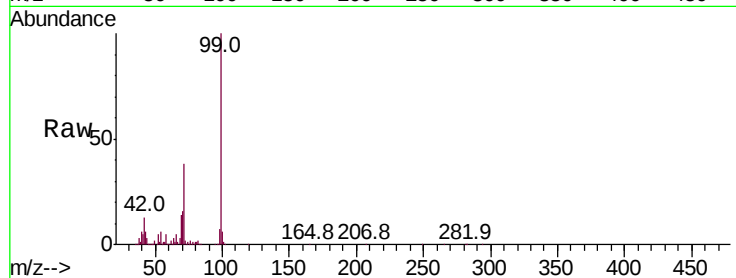
Tot Ion: 99 Resp: 636075

Ion Ratio Lower Upper

99 100

42 13.3 11.3 16.9

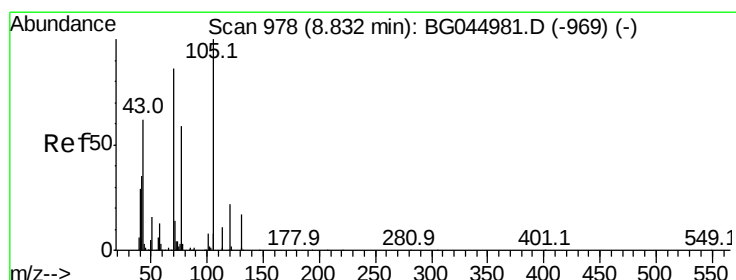
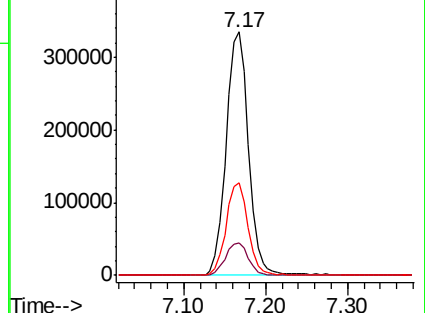
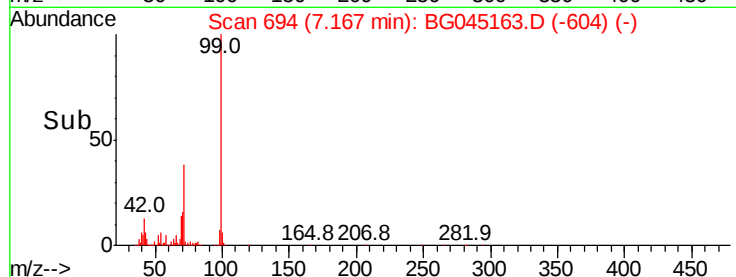
71 38.0 28.3 42.5



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: 12.452 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Tgt Ion: 70 Resp: 58307

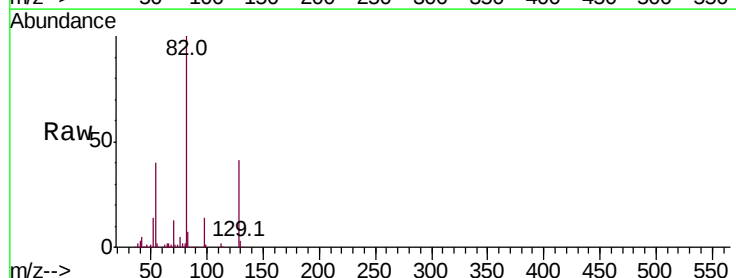
Ion Ratio Lower Upper

70 100

42 40.2 33.3 49.9

101 0.0 7.8 11.8#

130 2.2 15.8 23.6#

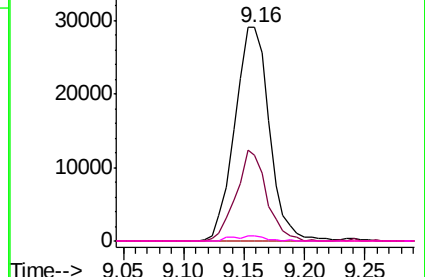
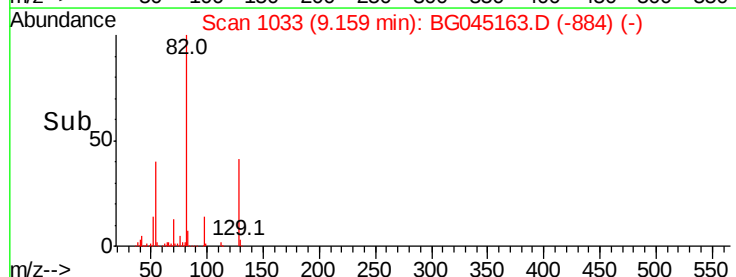


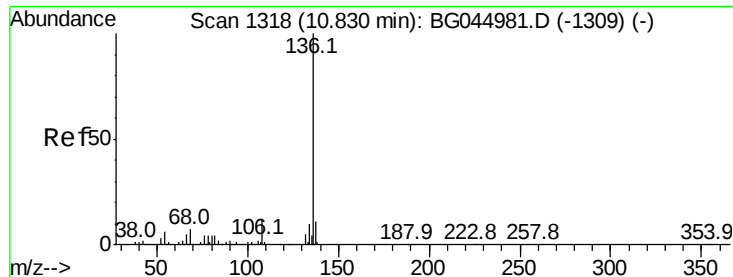
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

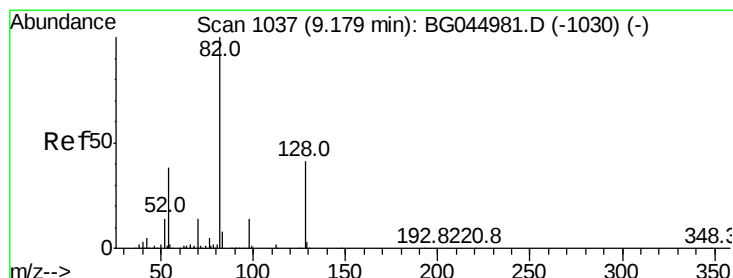
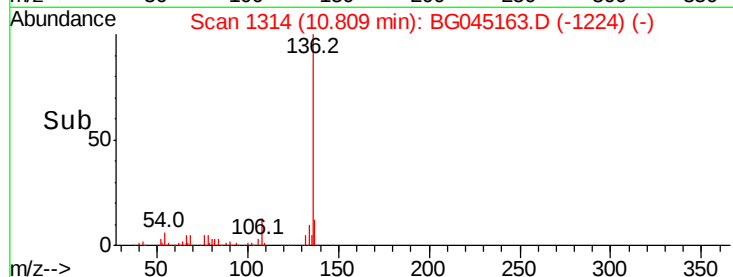
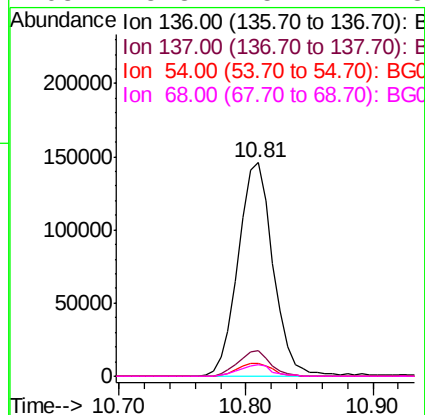
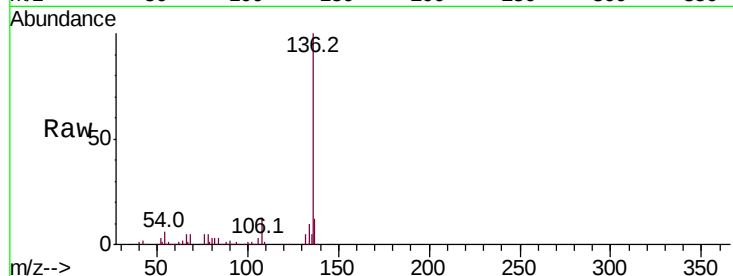




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BG045163.D
Acq: 24 Apr 2020 16:22

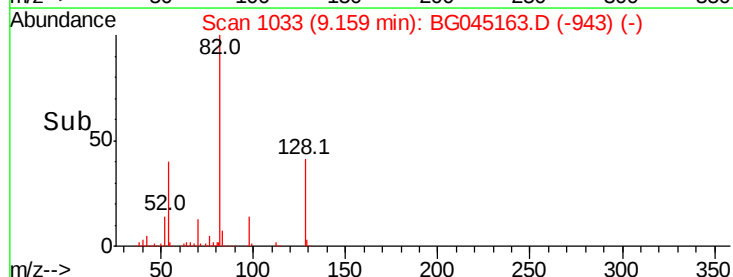
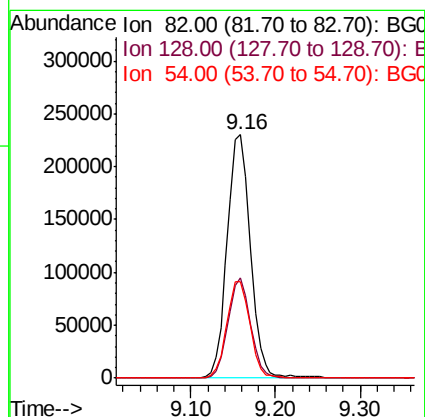
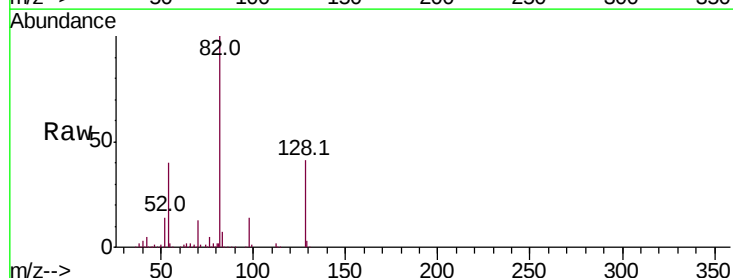
Instrument :
BNA_G
ClientSampled :
SP1-A

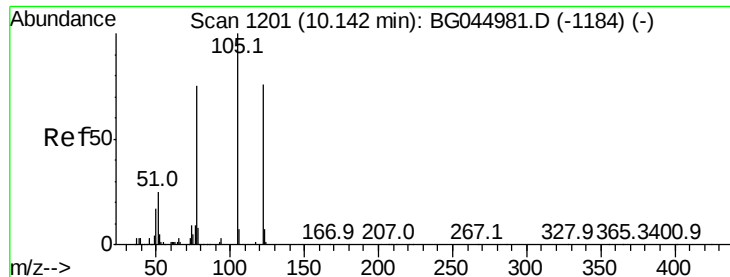
Tot Ion:136	Resp: 279552
Ion Ratio	Lower Upper
136 100	
137 12.1	8.6 13.0
54 6.1	4.8 7.2
68 5.3	5.2 7.8



#23
Nitrobenzene-d5
Concen: 71.537 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BG045163.D
Acq: 24 Apr 2020 16:22

Tgt Ion	82	Resp: 438282	
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.0	49.4
54	39.5	30.4	45.6

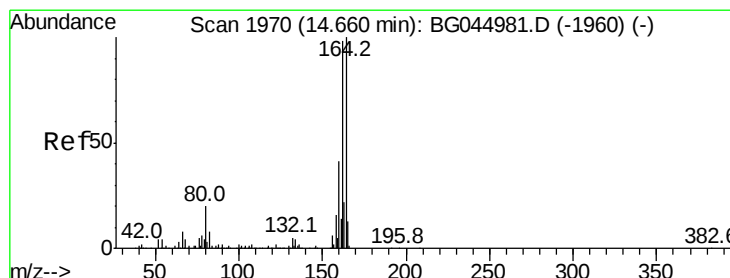
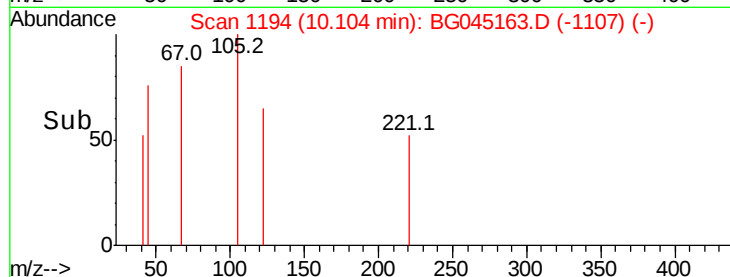
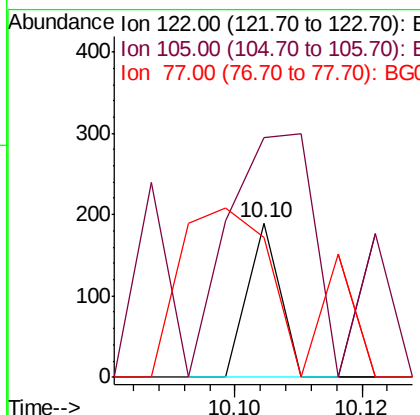
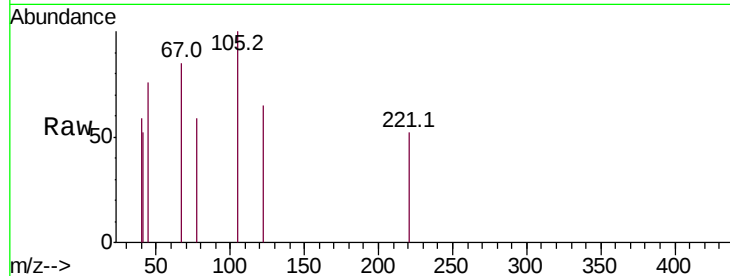




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BG045163.D
Acq: 24 Apr 2020 16:22

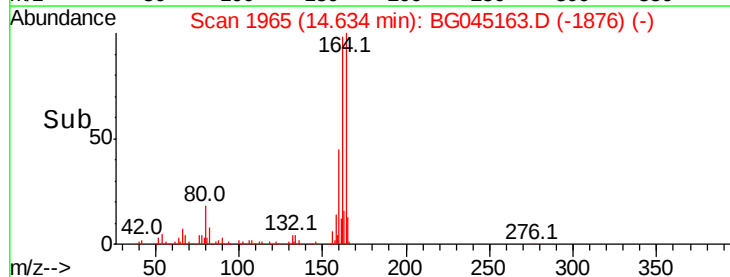
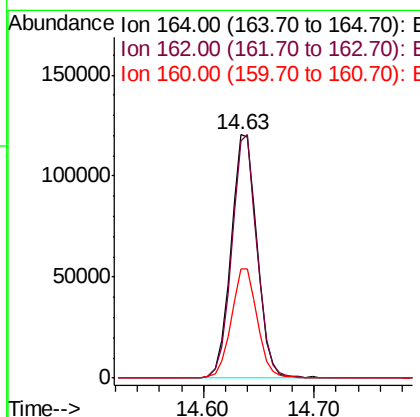
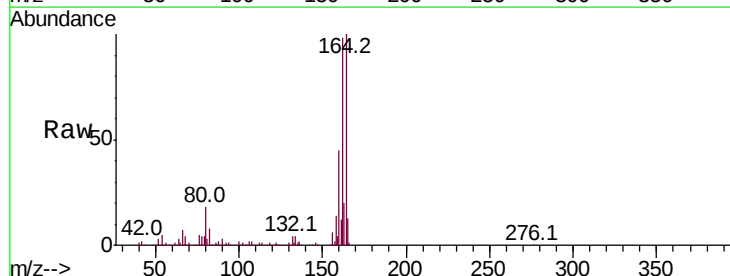
Instrument :
BNA_G
ClientSampleId :
SP1-A

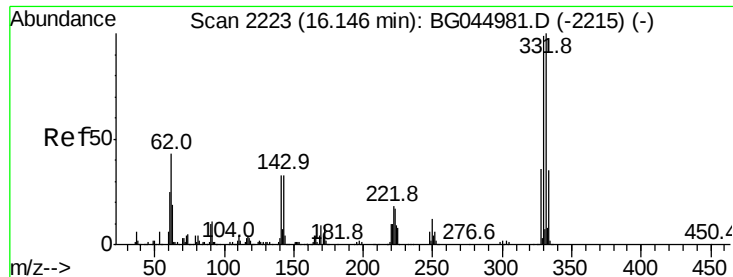
Tot Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 154.7 108.4 148.4#
77 90.5 78.8 118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045163.D
Acq: 24 Apr 2020 16:22

Tgt Ion:164 Resp: 198666
Ion Ratio Lower Upper
164 100
162 97.7 78.7 118.1
160 45.1 32.8 49.2

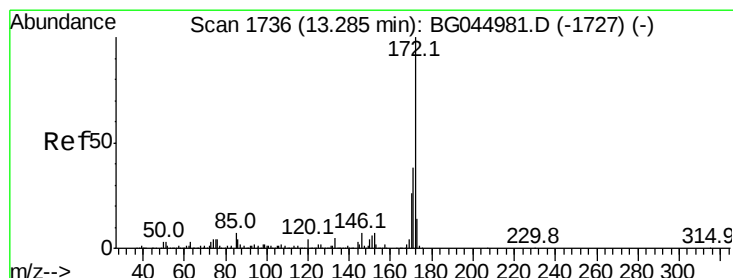
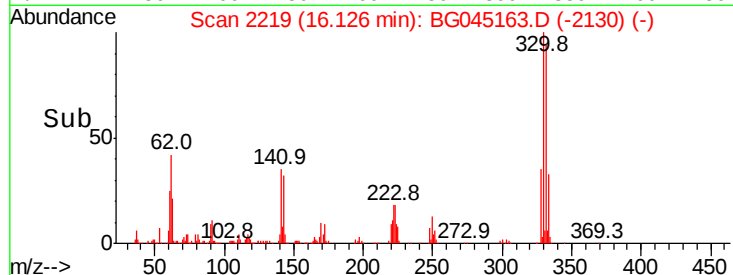
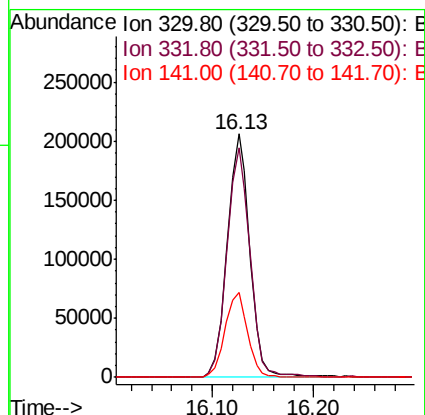
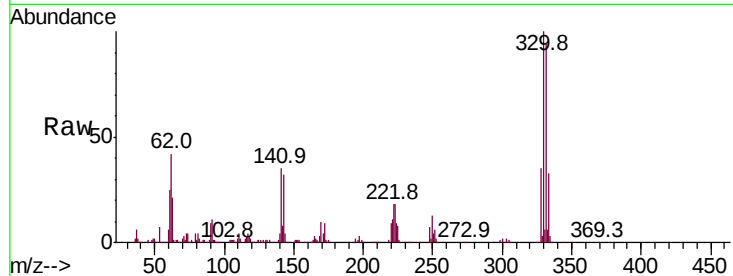




#42
 2,4,6-Tribromophenol
 Concen: 104.020 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG045163.D
 Acq: 24 Apr 2020 16:22

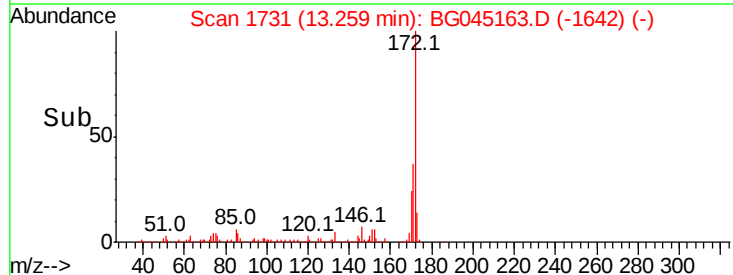
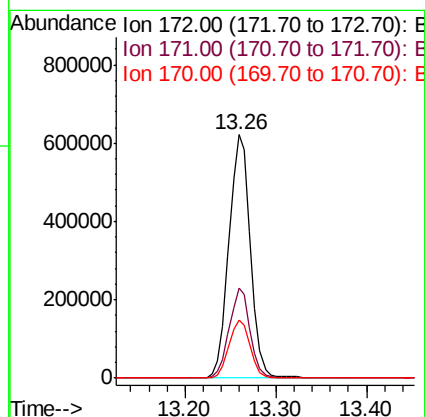
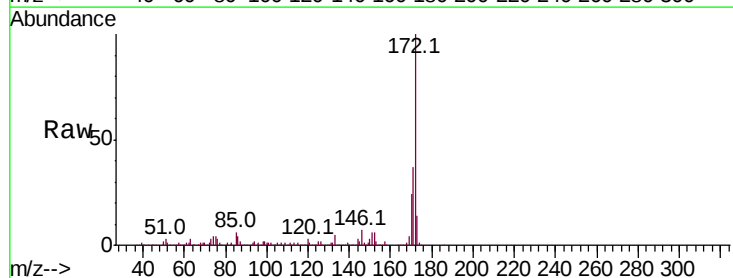
Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

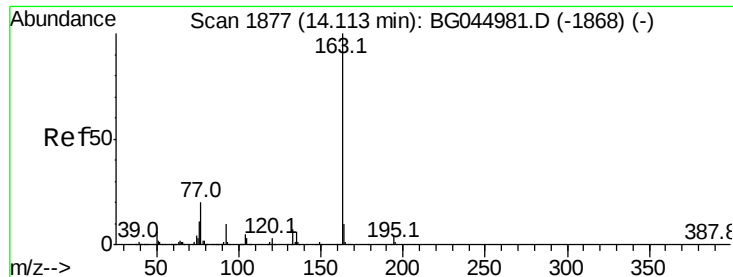
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	35.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 75.561 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG045163.D
 Acq: 24 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	46.0
170	23.8	20.5	30.7





#50

Dimethylphthalate

Concen: 10.235 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Instrument :

BNA_G

ClientSampleId :

SP1-A

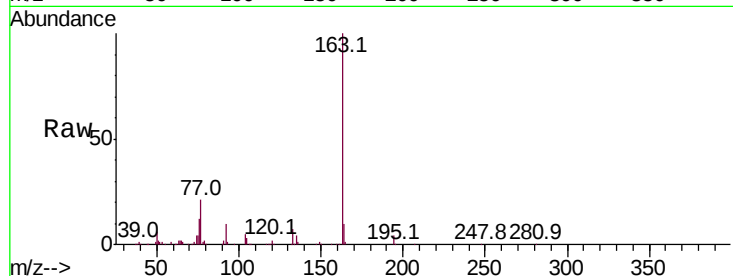
Tot Ion:163 Resp: 165567

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

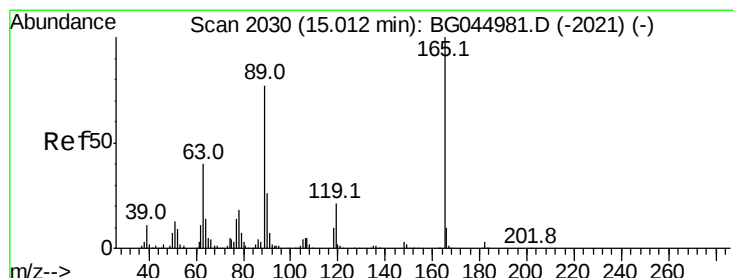
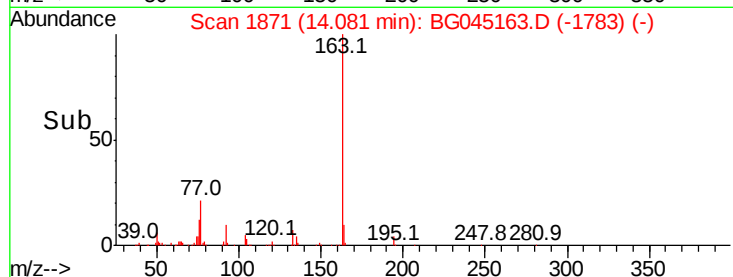
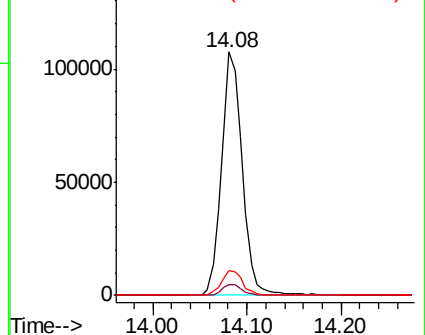
164 10.2 8.2 12.4



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: 4.780 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Tgt Ion:165 Resp: 25277

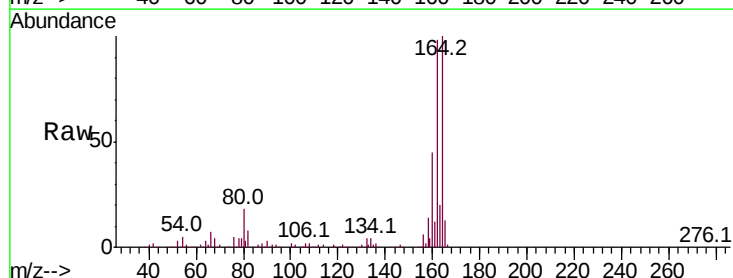
Ion Ratio Lower Upper

165 100

63 2.6 32.2 48.2#

89 1.6 61.7 92.5#

182 0.0 2.0 3.0#

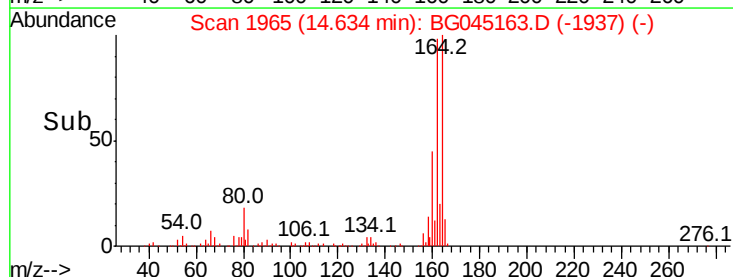
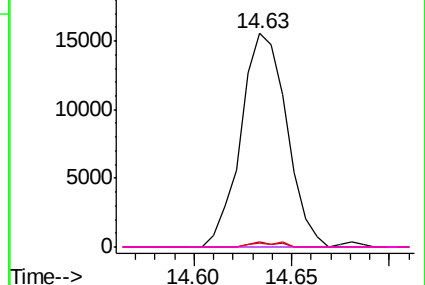


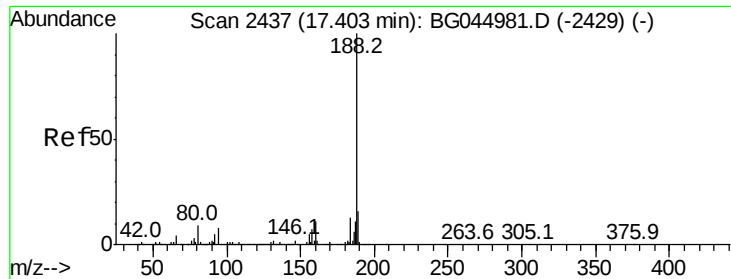
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Instrument :

BNA_G

ClientSampleId :

SP1-A

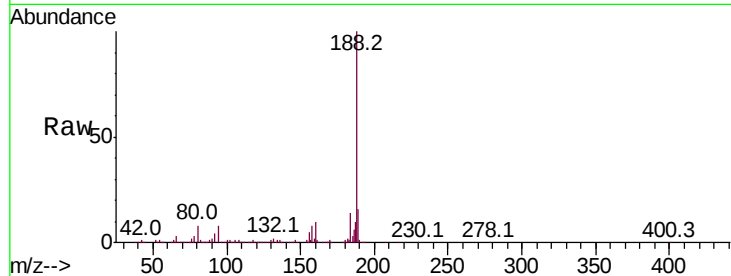
Tot Ion:188 Resp: 476253

Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.4

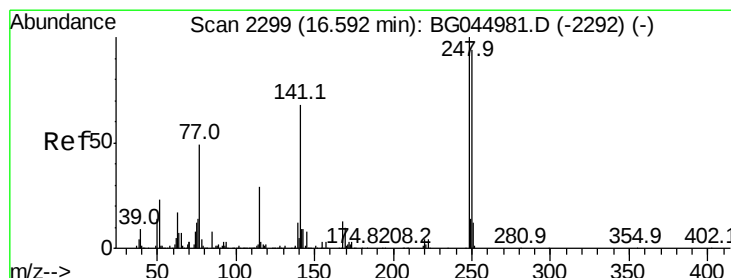
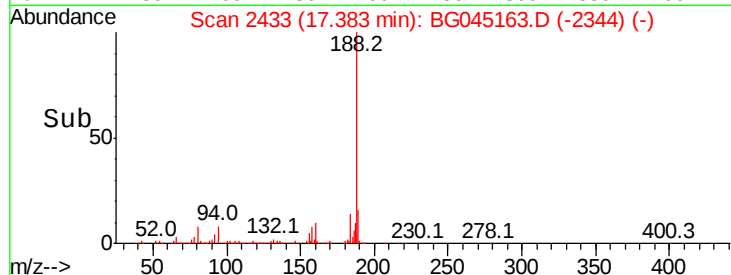
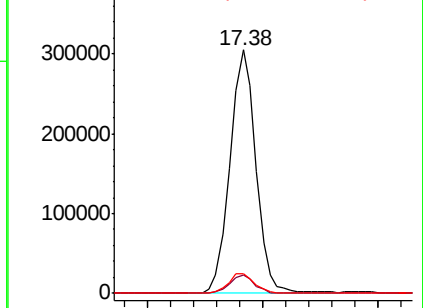
80 8.2 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.598 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

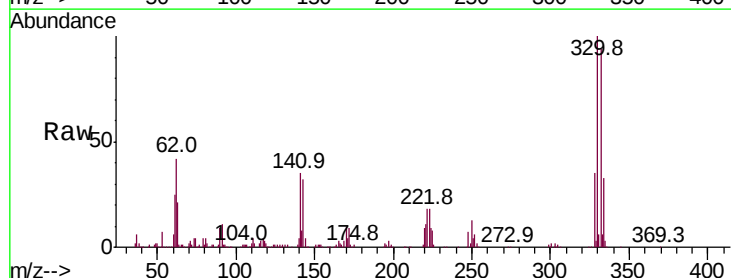
Tgt Ion:248 Resp: 22104

Ion Ratio Lower Upper

248 100

250 187.7 75.4 113.2#

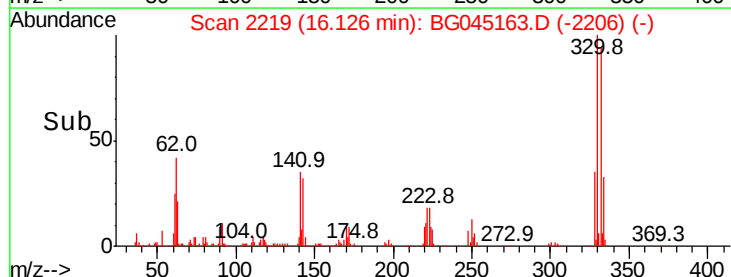
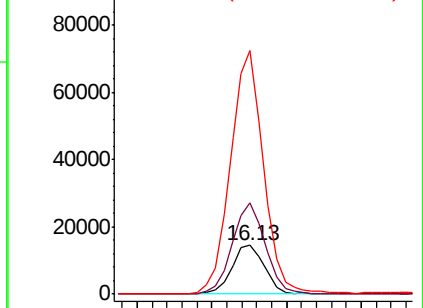
141 500.2 54.4 81.6#

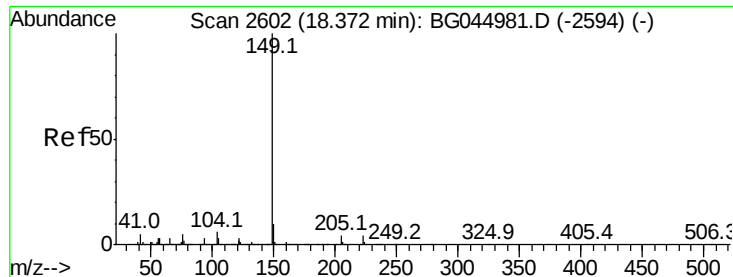


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

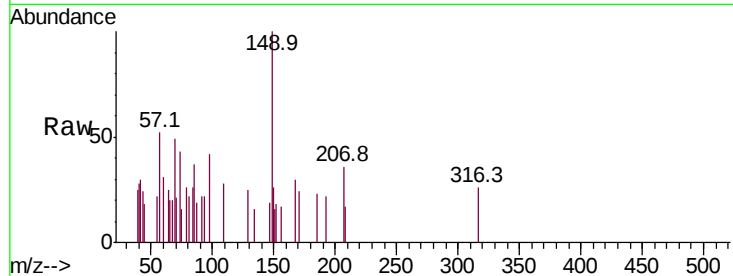




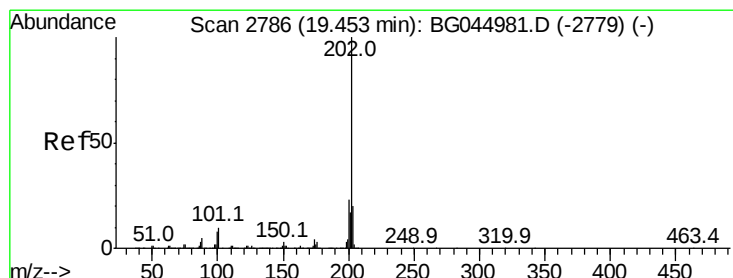
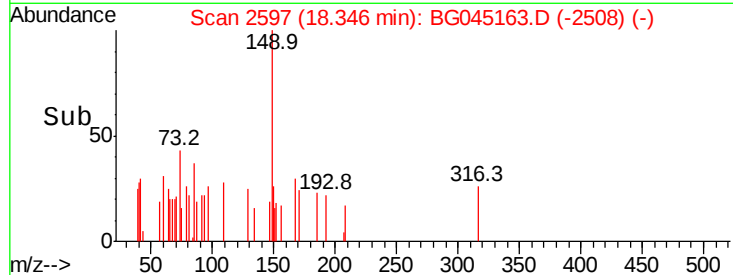
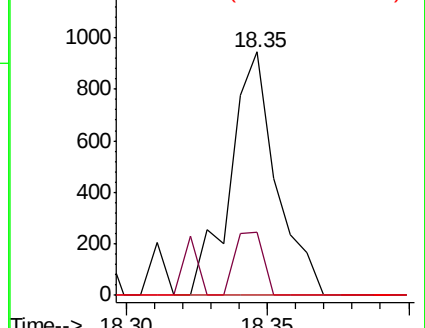
#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.35 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BG045163.D
Acq: 24 Apr 2020 16:22

Instrument :
BNA_G
ClientSampleId :
SP1-A

Tot Ion:149 Resp: 1069
Ion Ratio Lower Upper
149 100
150 25.7 8.2 12.2#
104 0.0 4.8 7.2#

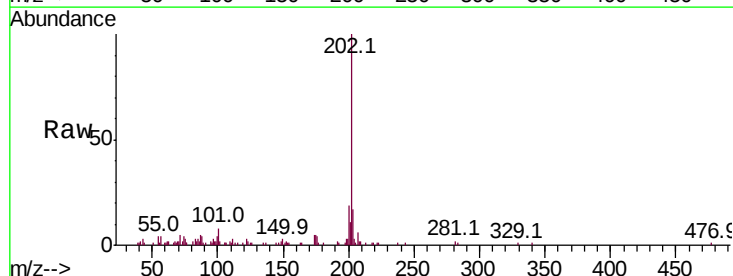


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

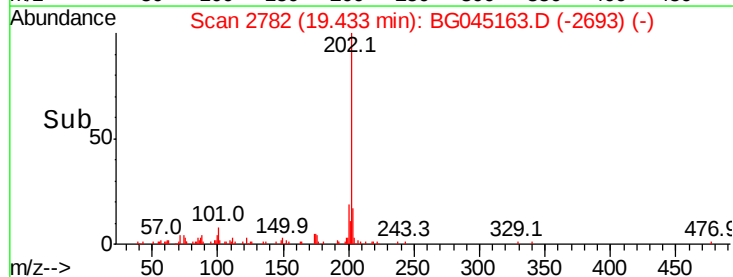
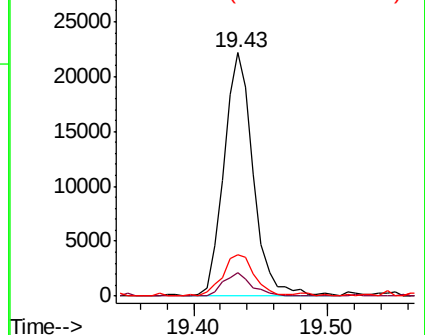


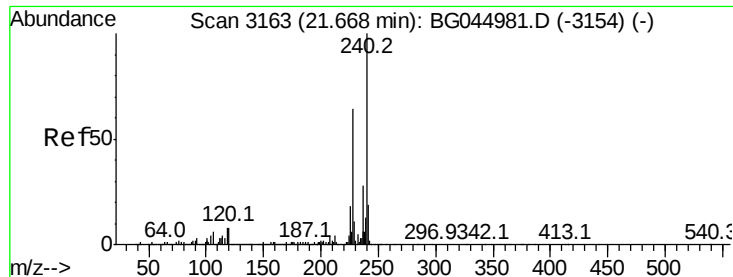
#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.00 min
Lab File: BG045163.D
Acq: 24 Apr 2020 16:22

Tgt Ion:202 Resp: 34281
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 16.8 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: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Instrument :

BNA_G

ClientSampleId :

SP1-A

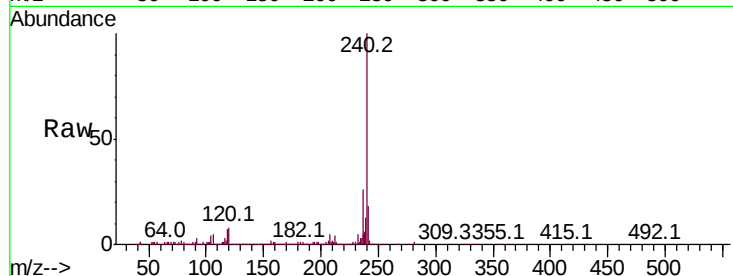
Tot Ion:240 Resp: 493404

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

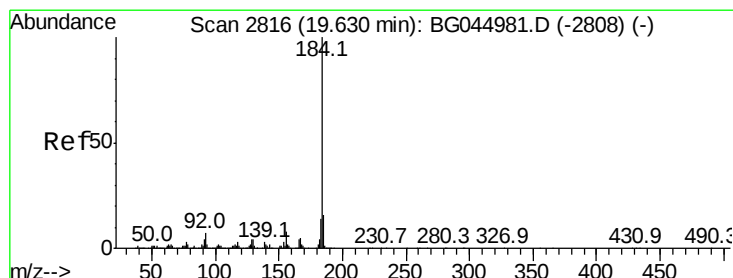
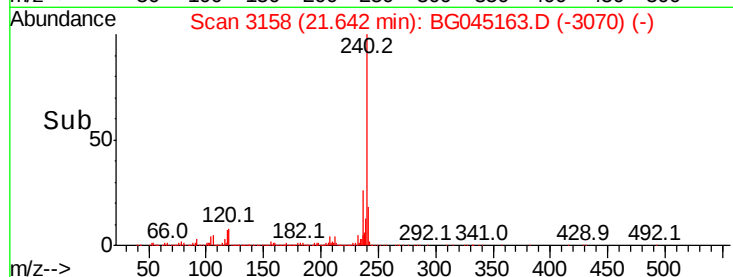
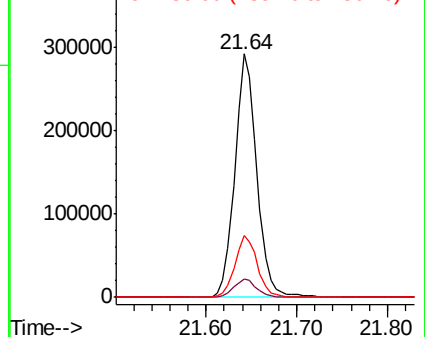
236 25.6 22.2 33.2



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: 20.00 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

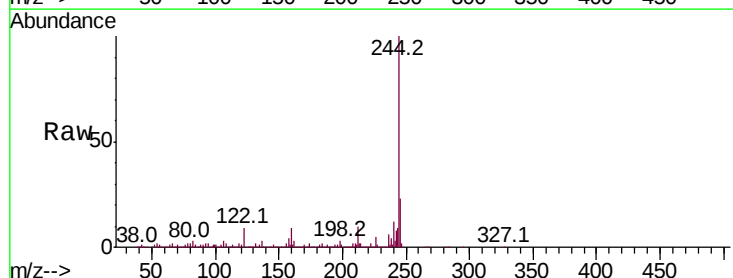
Tgt Ion:184 Resp: 36445

Ion Ratio Lower Upper

184 100

185 15.8 12.6 19.0

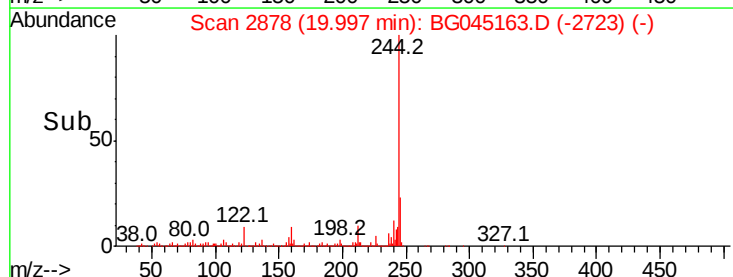
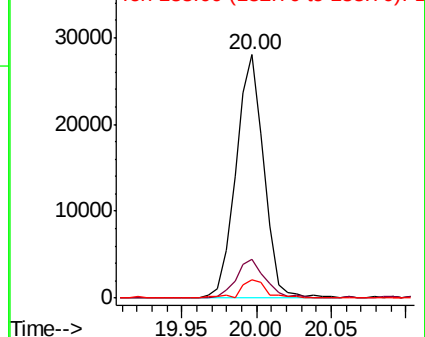
183 7.5 11.3 16.9#

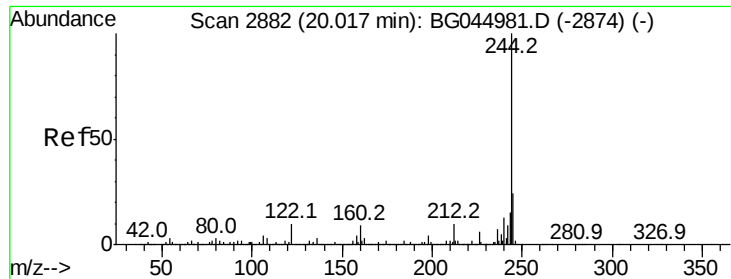


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.360 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Instrument :

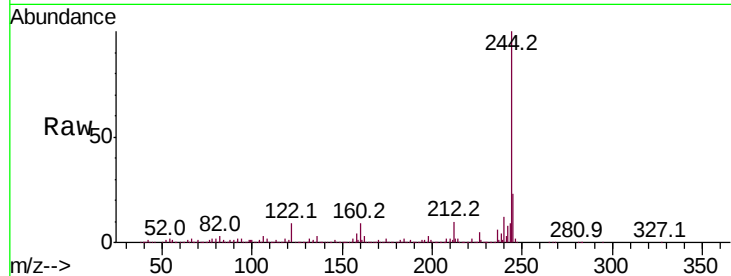
BNA_G

ClientSampleId :

SP1-A

Tot Ion:244 Resp: 1887088

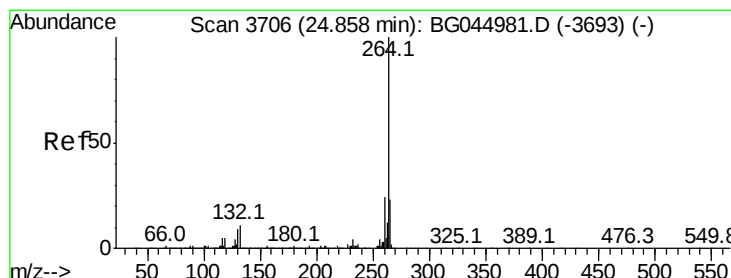
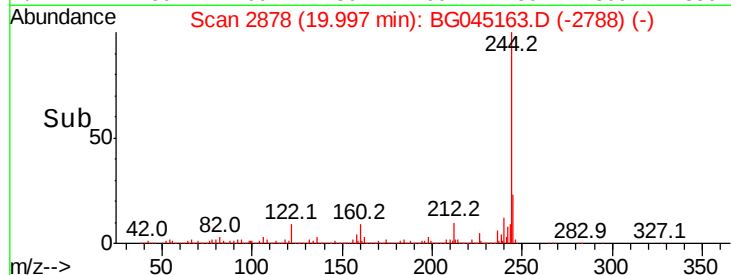
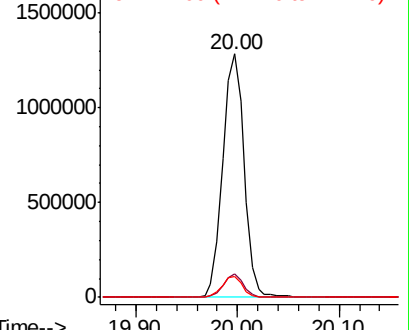
Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	8.8	7.7	11.5



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

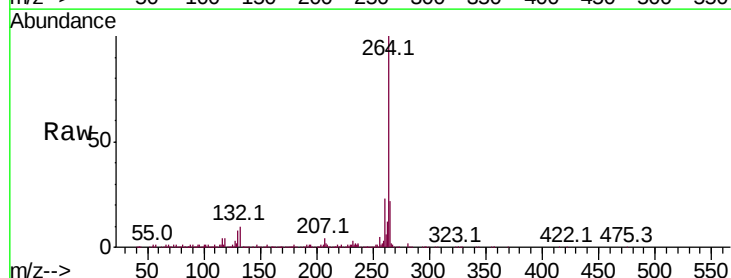
Delta R.T. -0.01 min

Lab File: BG045163.D

Acq: 24 Apr 2020 16:22

Tgt Ion:264 Resp: 534890

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.2	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

