

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051420\
 Data File : BG045382.D
 Acq On : 14 May 2020 17:49
 Operator : CG/JU
 Sample : L2605-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 239997

Quant Time: May 14 18:36:47 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	72406	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	288075	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	212654	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	500825	20.00	ng	0.00
76) Chrysene-d12	21.62	240	505554	20.00	ng	-0.01
87) Perylene-d12	24.78	264	528720	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	339233	77.35	ng	0.00
7) Phenol-d6	7.14	99	416004	63.84	ng	0.00
23) Nitrobenzene-d5	9.13	82	399801	63.33	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	331119	100.79	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	956993	65.99	ng	0.00
79) Terphenyl-d14	19.98	244	1836922	79.19	ng	0.00

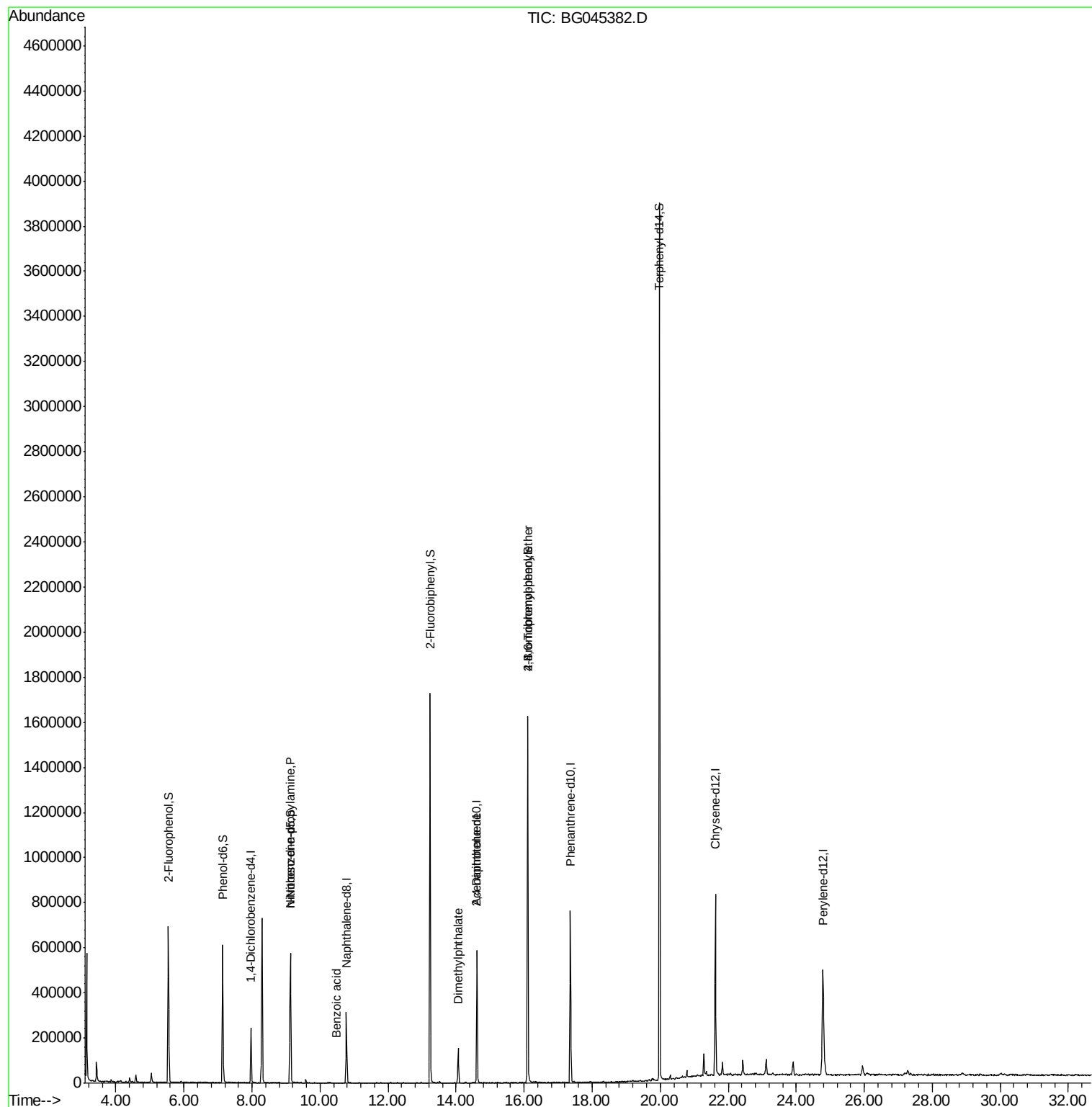
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.11	77	58	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	53509	11.612 ng	#	79
32) Benzoic acid	10.48	122	67	6.390 ng	#	1
50) Dimethylphthalate	14.06	163	105764	6.108 ng		99
57) 2,4-Dinitrotoluene	14.61	165	27635	4.883 ng	#	22
67) 4-Bromophenyl-phenylether	16.11	248	22574	3.494 ng	#	1
69) Atrazine	17.15	200	53	Below Cal	#	35
74) Di-n-butylphthalate	18.32	149	4083	Below Cal	#	96
75) Fluoranthene	19.41	202	322	Below Cal		62
77) Benzidine	19.98	184	35035	Below Cal	#	91

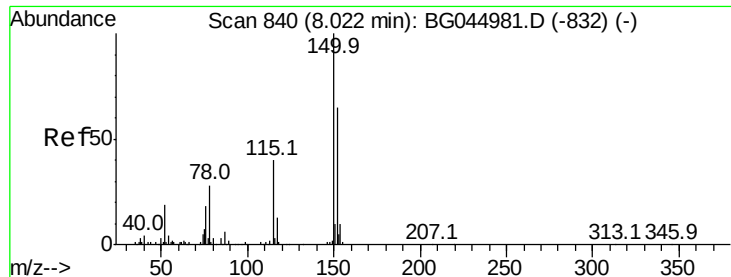
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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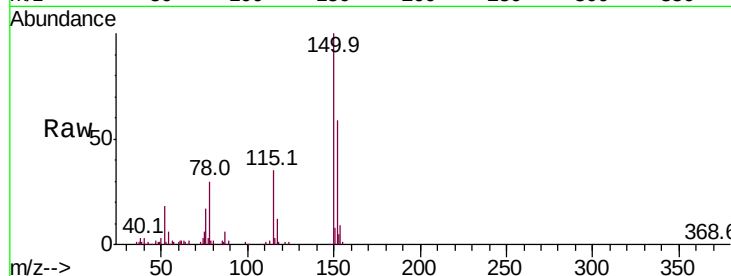


#1

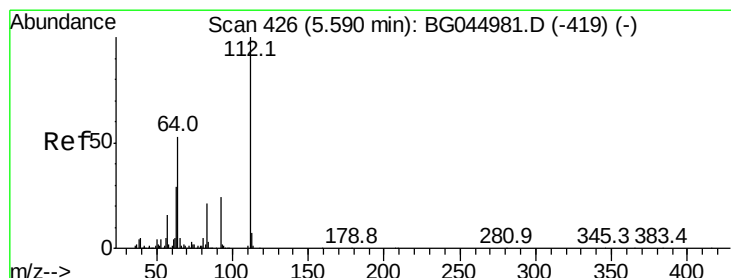
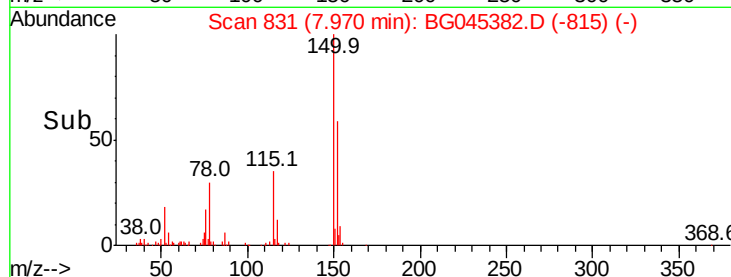
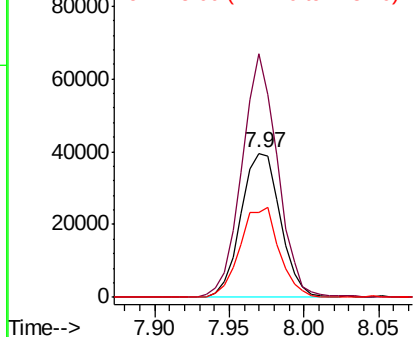
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045382.D
Acq: 14 May 2020 17:49

Instrument :
BNA_G
ClientSampleId :
239997

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.1	123.6	185.4
115	59.3	49.1	73.7



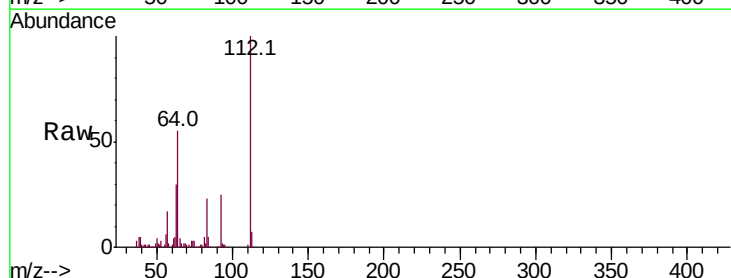
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



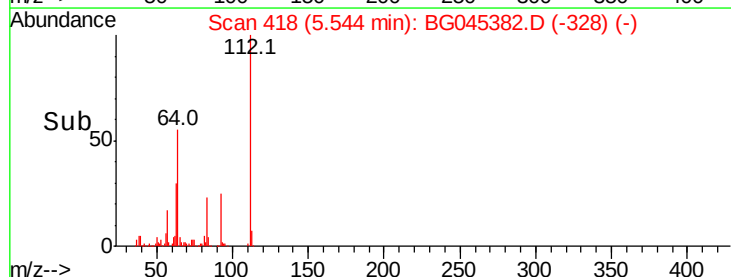
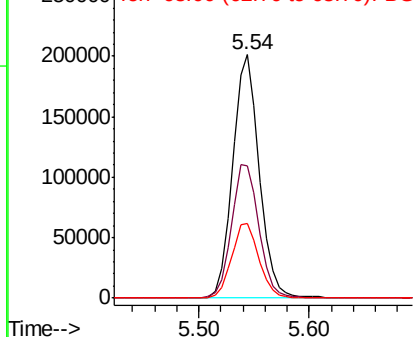
#5

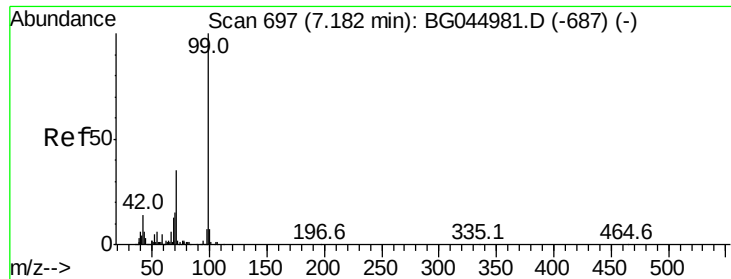
2-Fluorophenol
Concen: 77.349 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045382.D
Acq: 14 May 2020 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.4	63.6
63	30.4	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: 63.843 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

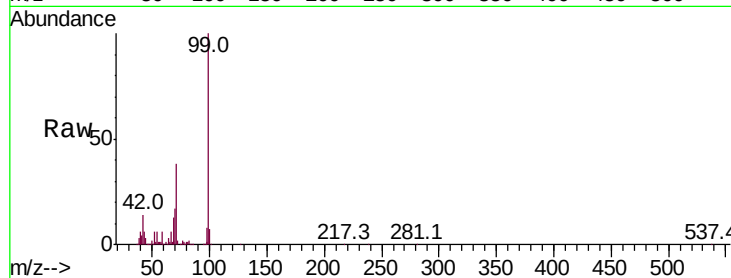
Tot Ion: 99 Resp: 416004

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

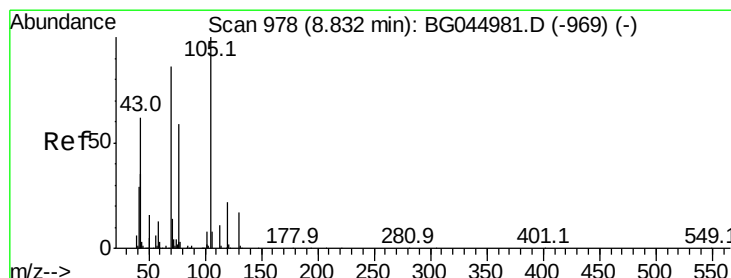
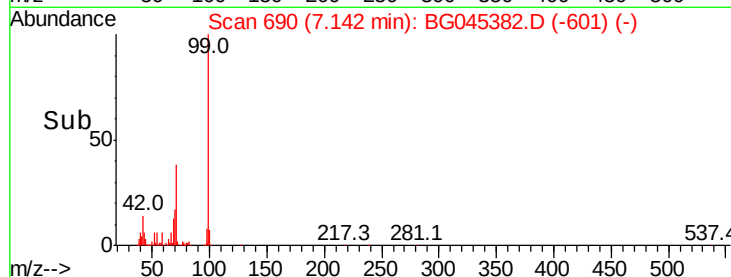
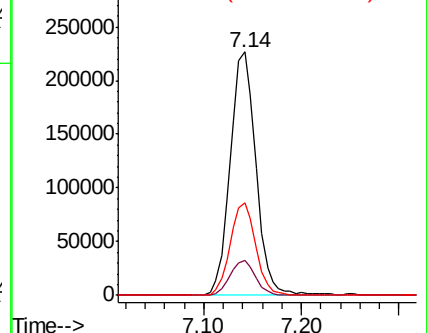
71 38.1 28.3 42.5



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: 11.612 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Tgt Ion: 70 Resp: 53509

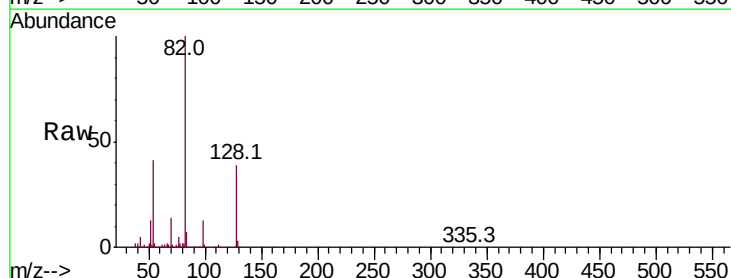
Ion Ratio Lower Upper

70 100

42 34.7 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

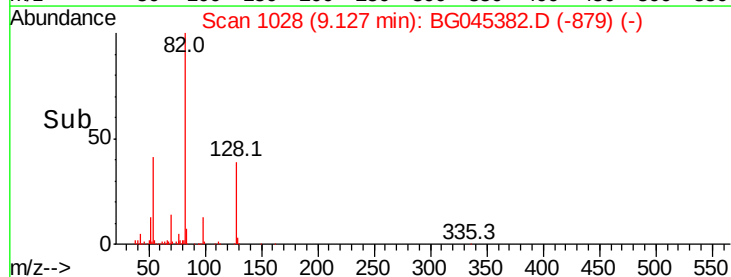
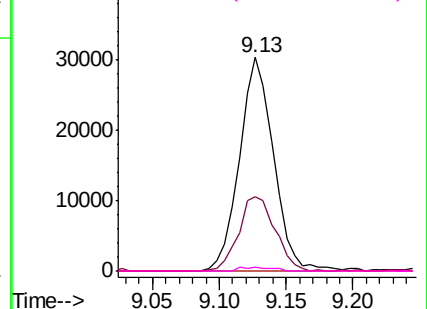


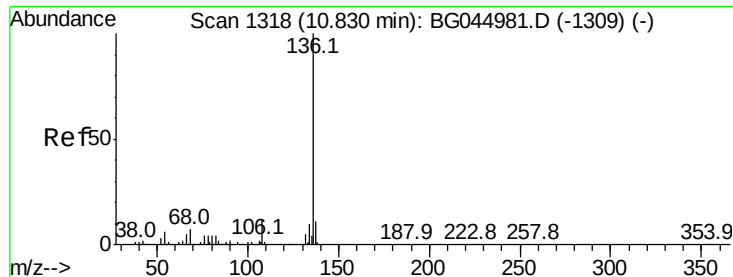
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

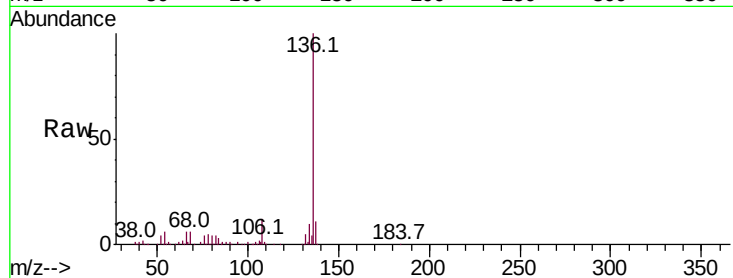




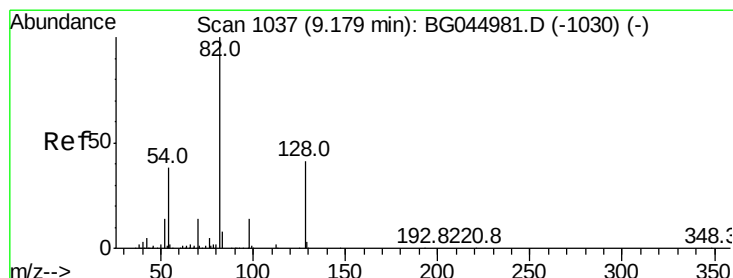
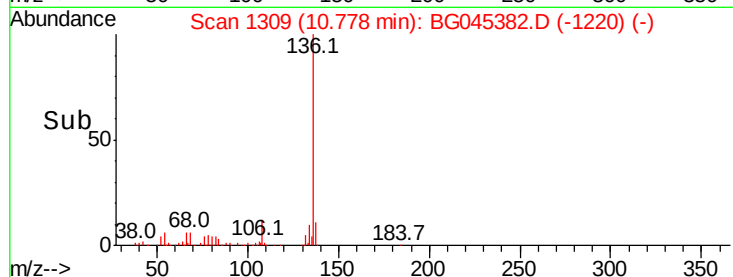
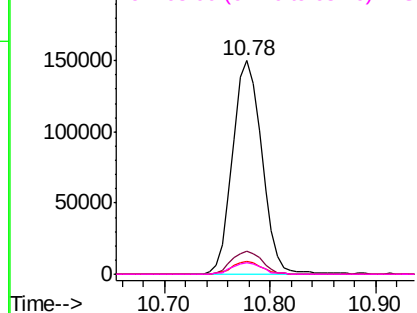
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045382.D
Acq: 14 May 2020 17:49

Instrument :
BNA_G
ClientSampleId :
239997

Tot Ion:	136	Resp:	288075
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.3	4.8	7.2
68	5.7	5.2	7.8

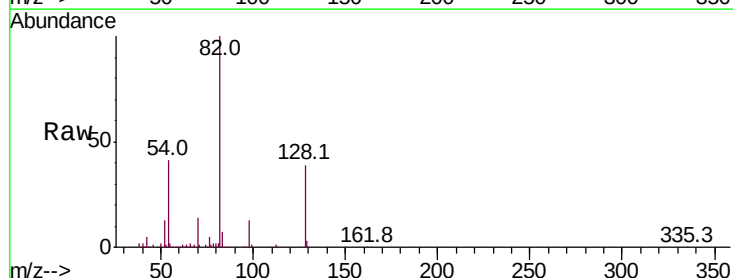


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

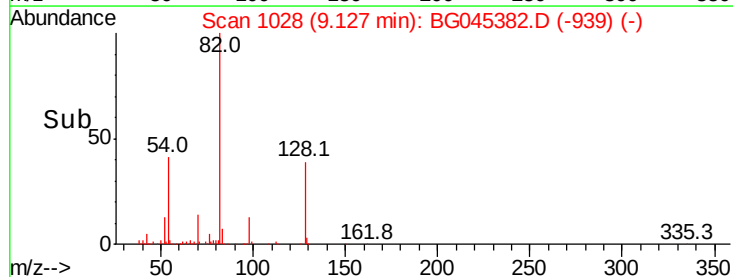
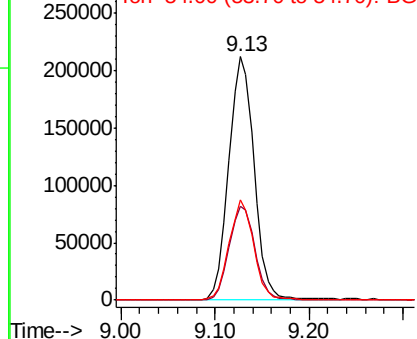


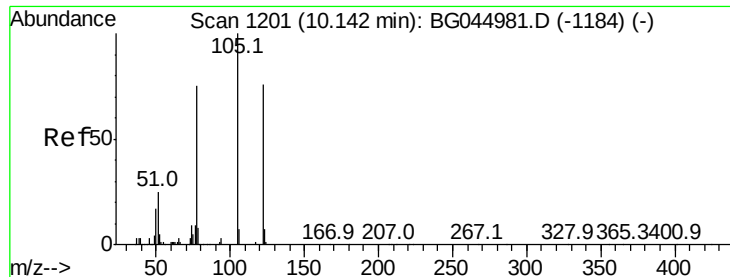
#23
Nitrobenzene-d5
Concen: 63.325 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045382.D
Acq: 14 May 2020 17:49

Tgt Ion:	82	Resp:	399801
Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.0	49.4
54	41.2	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: 6.390 ng

RT: 10.48 min Scan# 1259

Delta R.T. 0.37 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

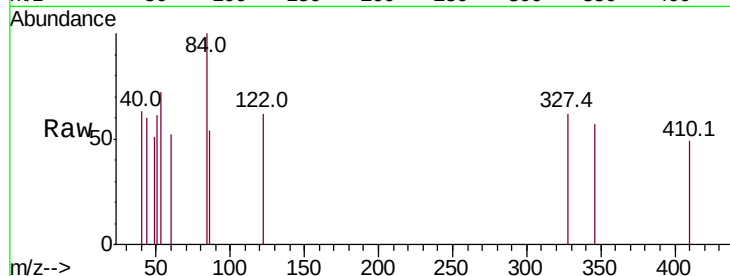
Tot Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#

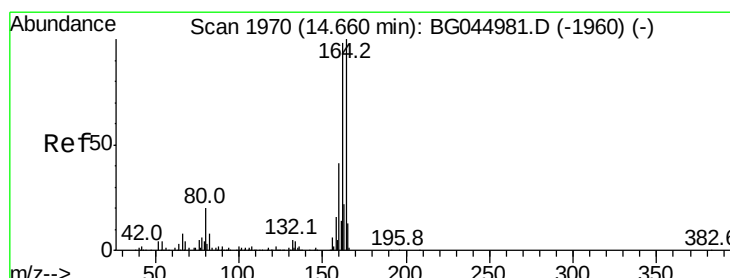
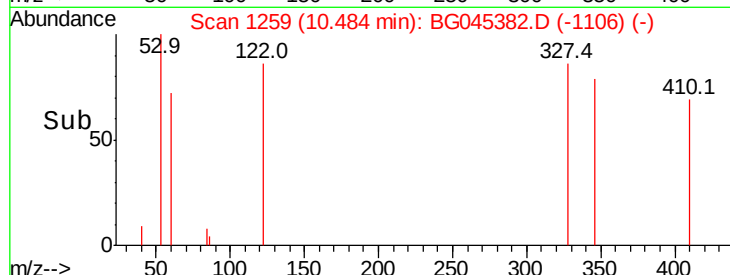
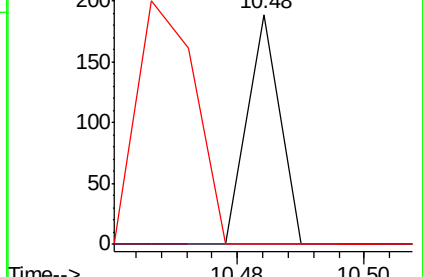


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.48



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

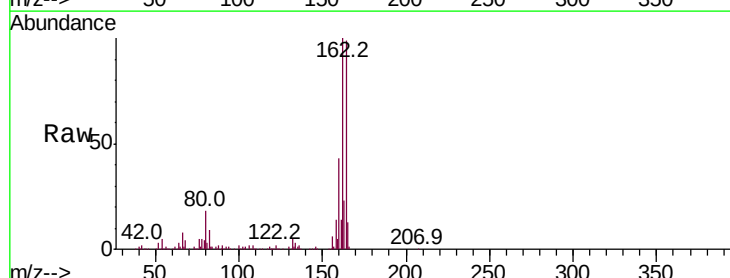
Tgt Ion:164 Resp: 212654

Ion Ratio Lower Upper

164 100

162 100.6 78.7 118.1

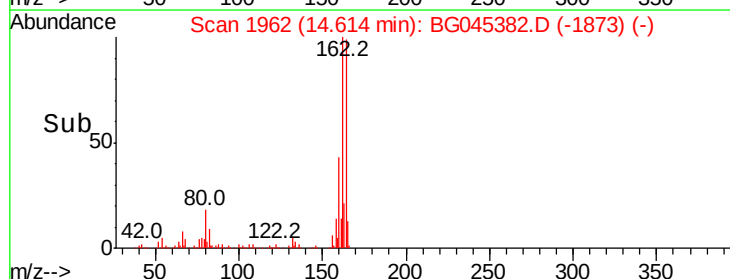
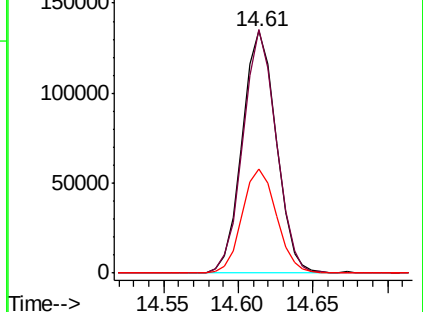
160 42.7 32.8 49.2

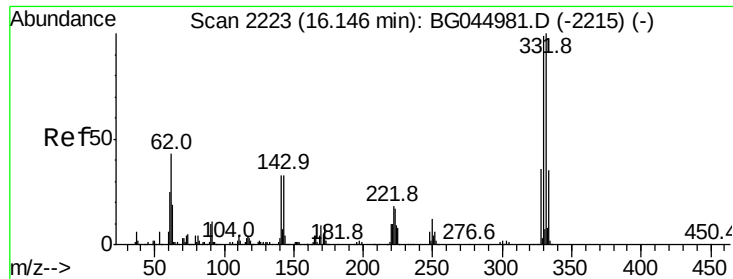


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

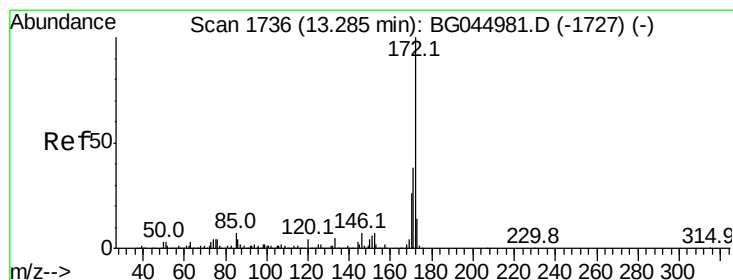
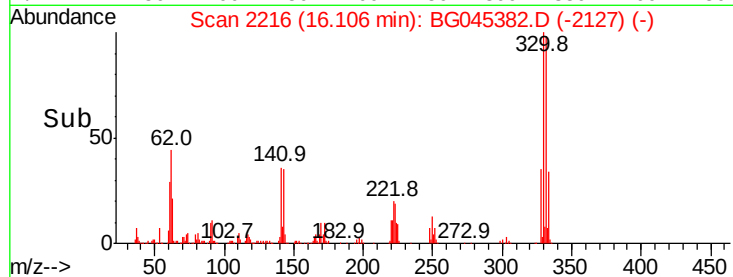
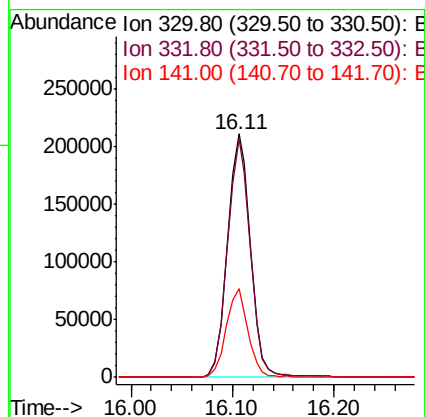
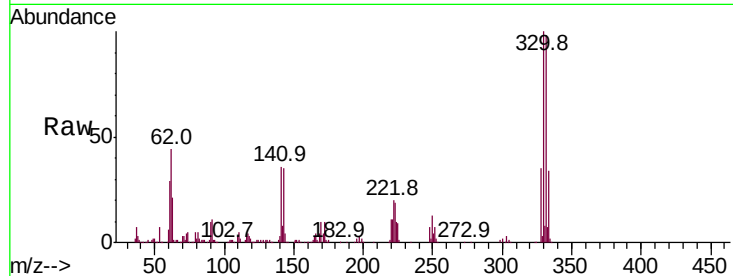




#42
 2,4,6-Tribromophenol
 Concen: 100.790 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045382.D
 Acq: 14 May 2020 17:49

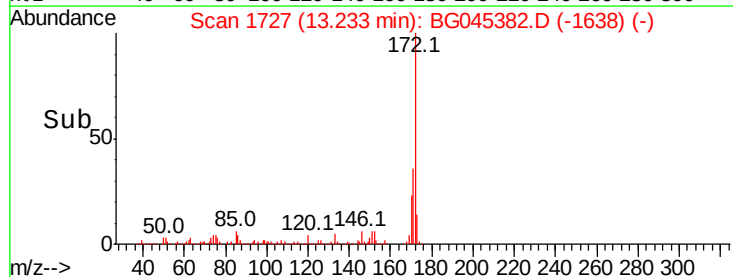
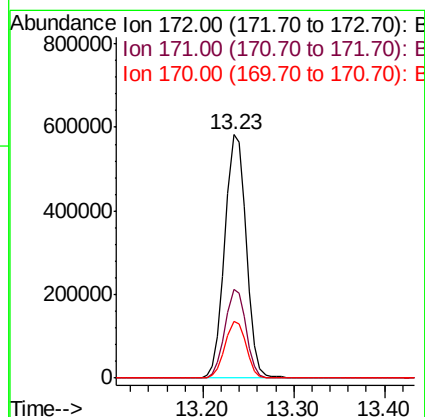
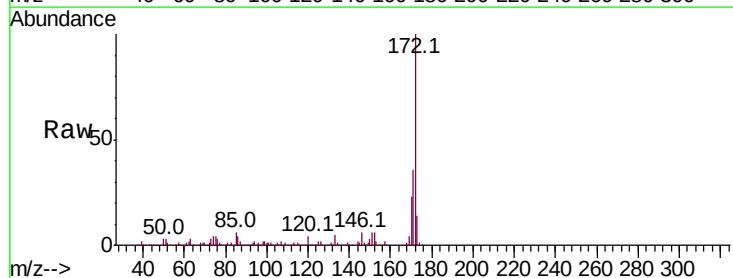
Instrument :
 BNA_G
 ClientSampled :
 239997

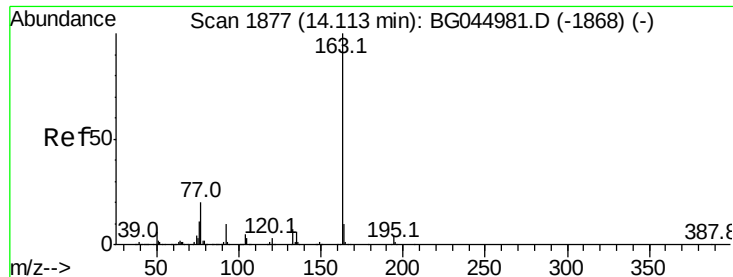
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	35.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 65.988 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045382.D
 Acq: 14 May 2020 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	46.0
170	23.3	20.5	30.7





#50

Dimethylphthalate

Concen: 6.108 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

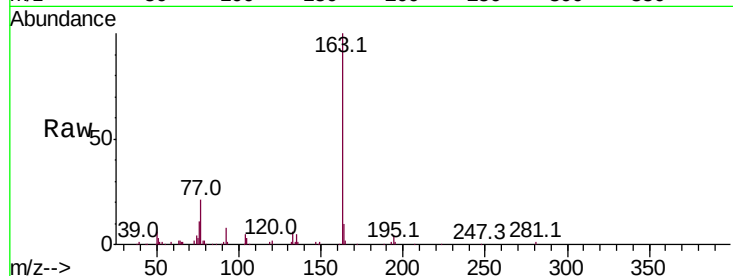
Tot Ion:163 Resp: 105764

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

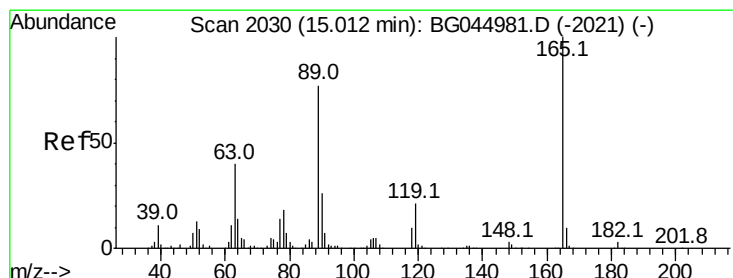
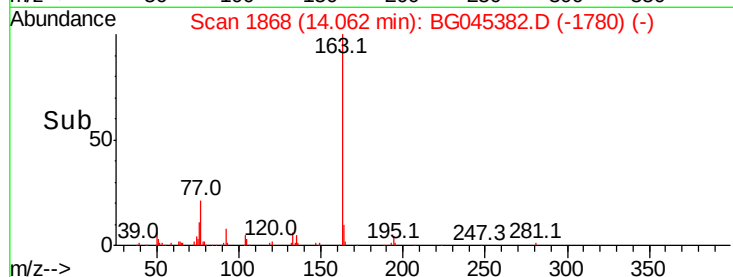
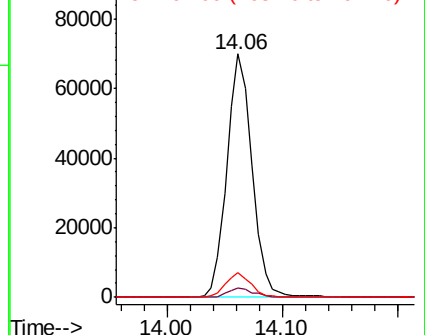
164 10.2 8.2 12.4



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: 4.883 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Tgt Ion:165 Resp: 27635

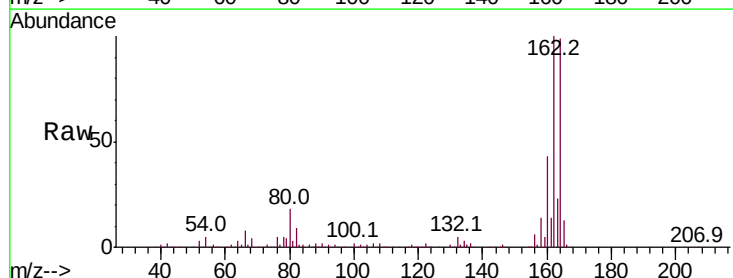
Ion Ratio Lower Upper

165 100

63 1.1 32.2 48.2#

89 1.4 61.7 92.5#

182 0.0 2.0 3.0#

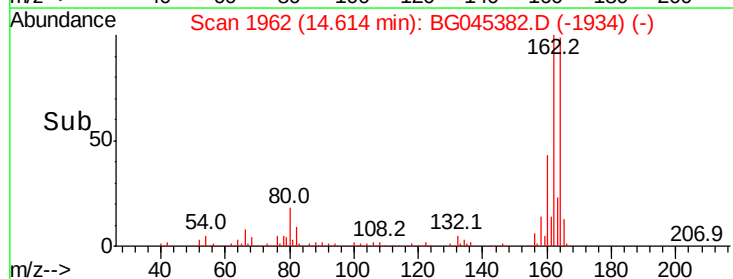
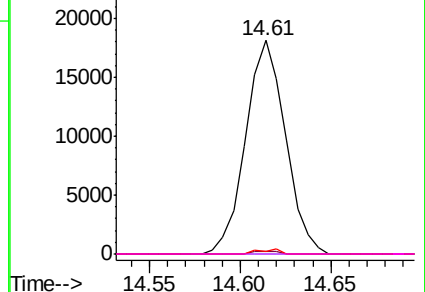


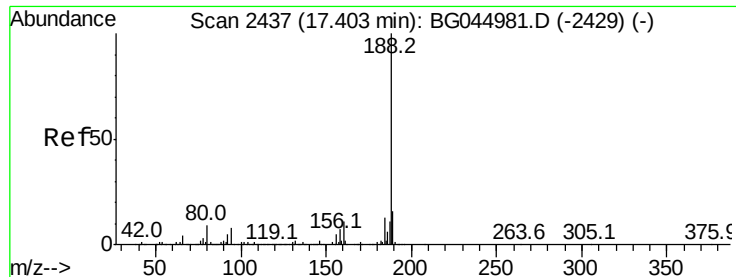
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

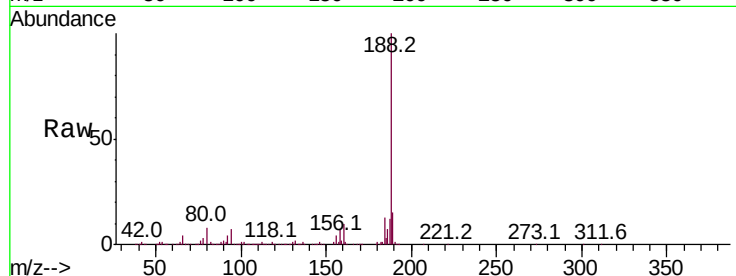
Tot Ion:188 Resp: 500825

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

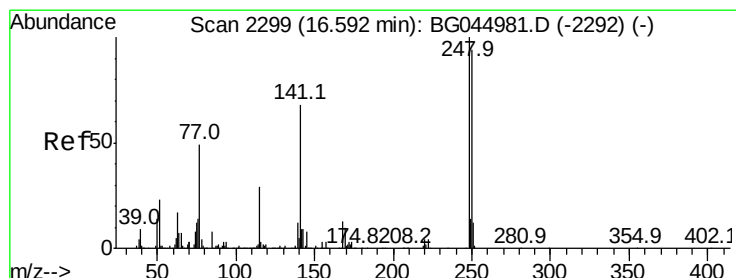
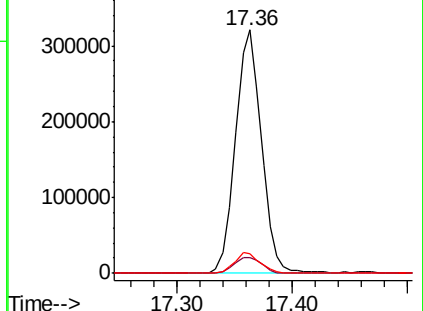
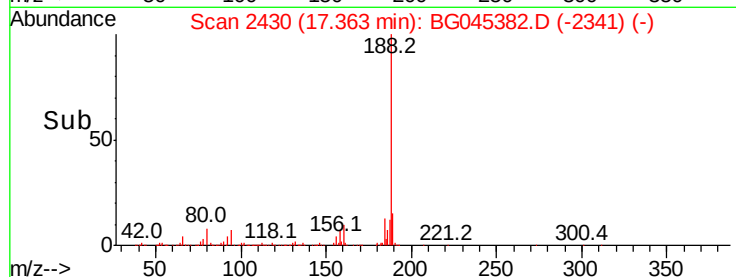
80 7.9 7.0 10.6



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: 3.494 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

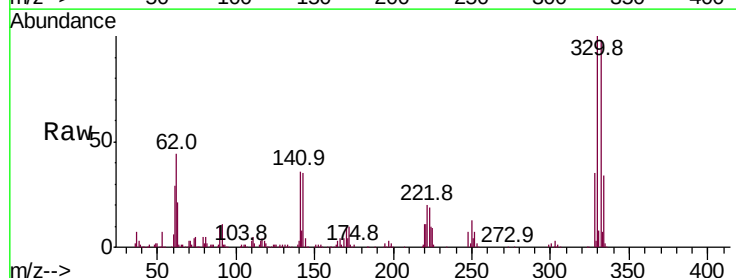
Tgt Ion:248 Resp: 22574

Ion Ratio Lower Upper

248 100

250 188.6 75.4 113.2#

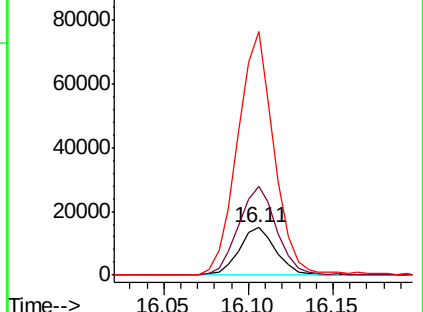
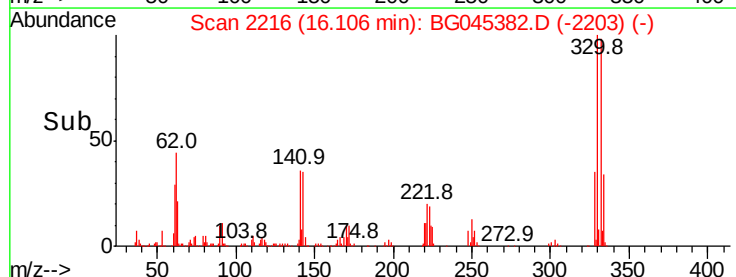
141 515.9 54.4 81.6#

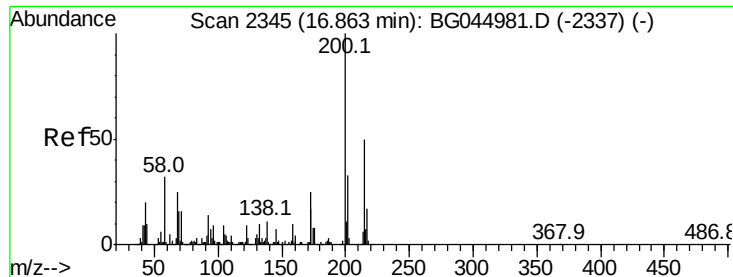


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.15 min Scan# 2393

Delta R.T. 0.32 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

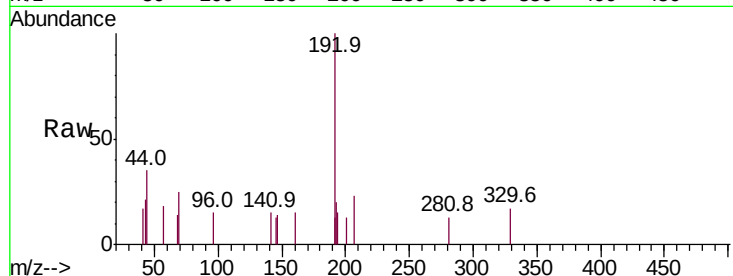
Tot Ion:200 Resp: 53

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

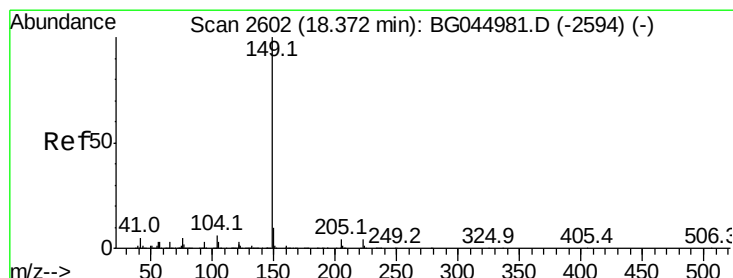
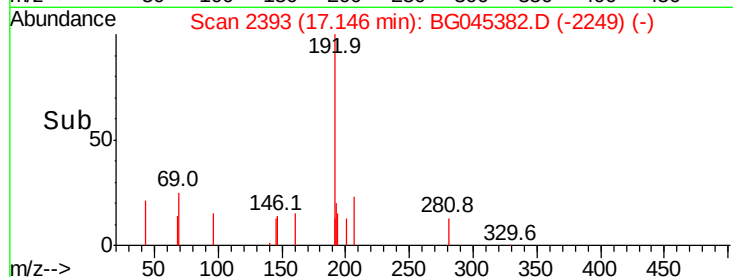
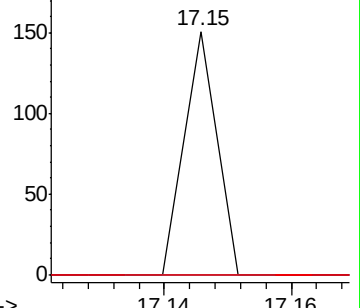
215 0.0 30.0 70.0#



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



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.32 min Scan# 2593

Delta R.T. -0.01 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

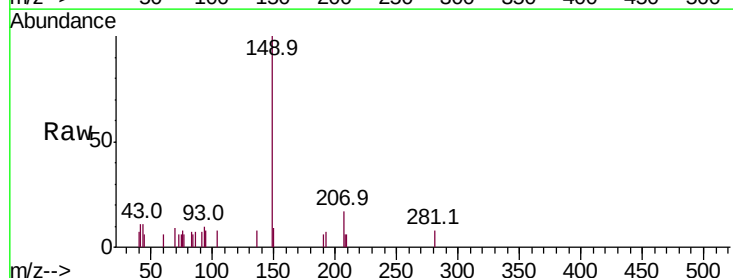
Tgt Ion:149 Resp: 4083

Ion Ratio Lower Upper

149 100

150 9.5 8.2 12.2

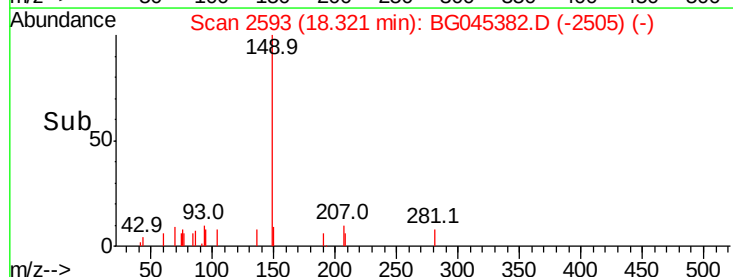
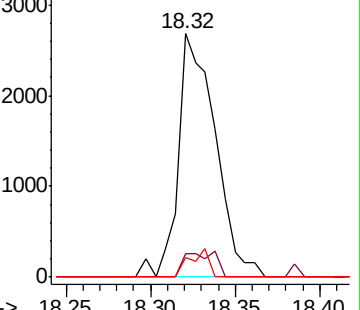
104 8.1 4.8 7.2#

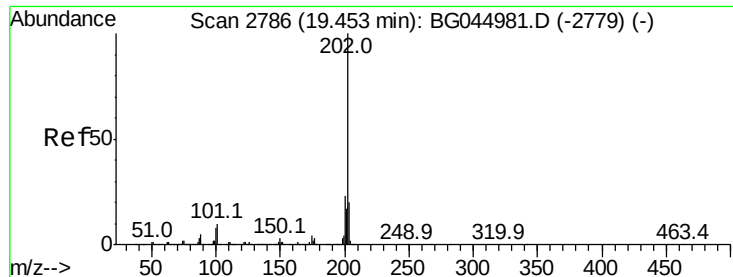


Abundance Ion 149.00 (148.70 to 149.70): E

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: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

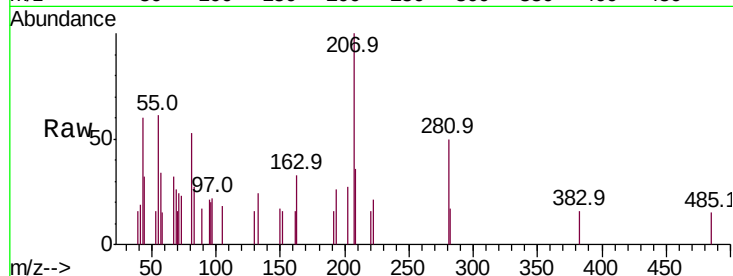
Tot Ion:202 Resp: 322

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

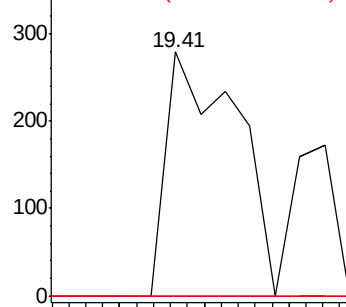
203 0.0 0.0 39.7



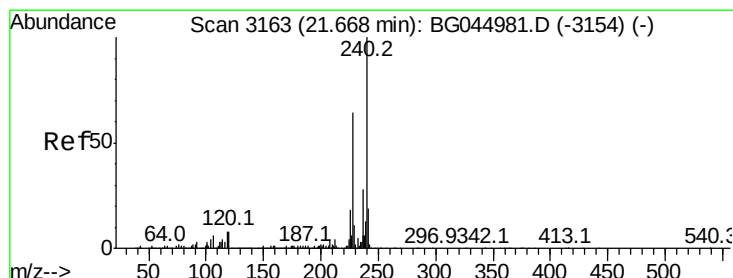
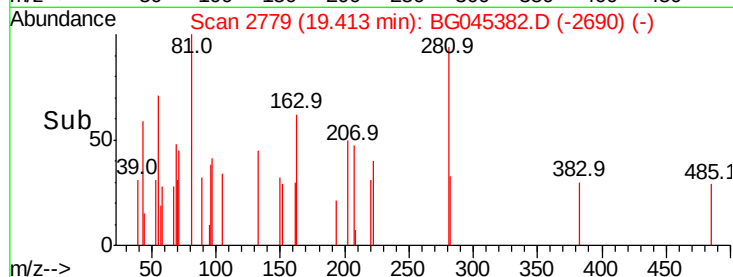
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

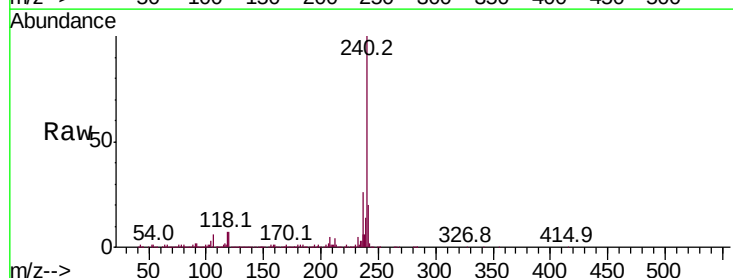
Tgt Ion:240 Resp: 505554

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

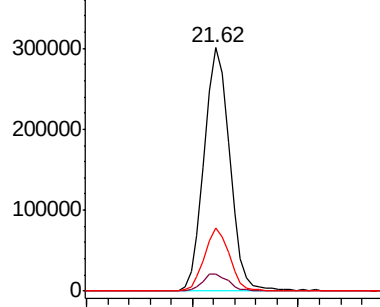
236 26.0 22.2 33.2



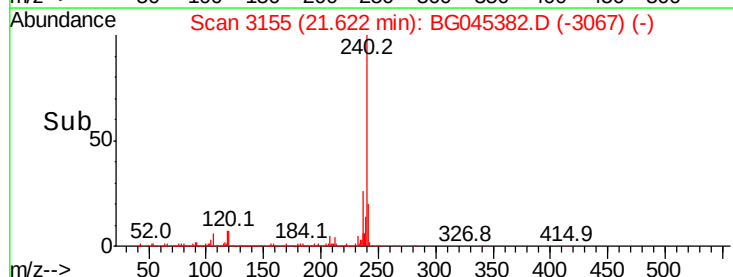
Abundance Ion 240.00 (239.70 to 240.70): E

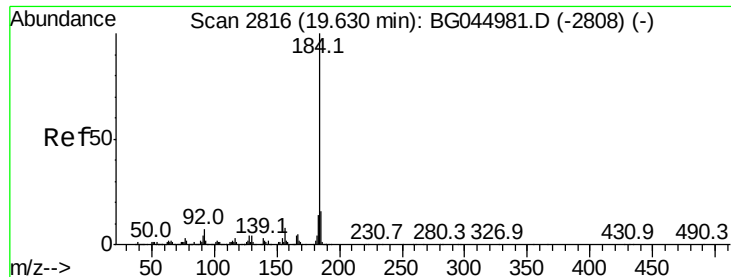
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

Instrument :

BNA_G

ClientSampleId :

239997

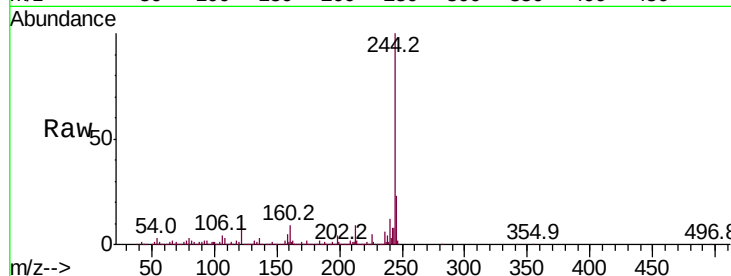
Tot Ion:184 Resp: 35035

Ion Ratio Lower Upper

184 100

185 16.2 12.6 19.0

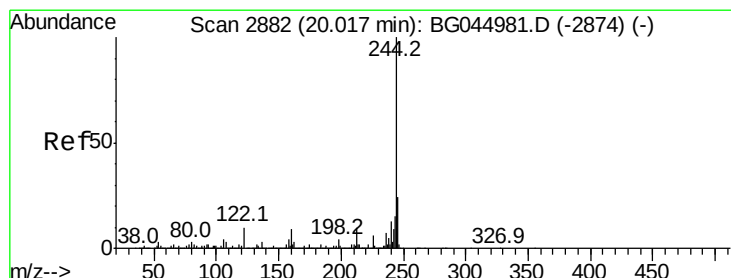
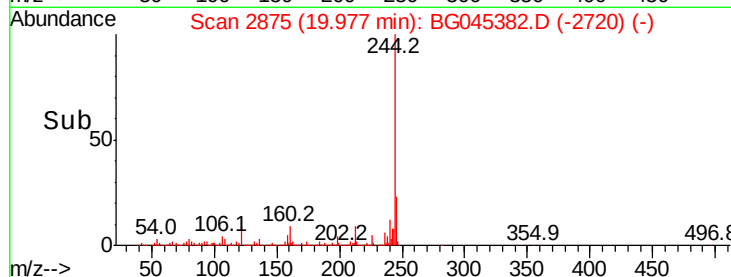
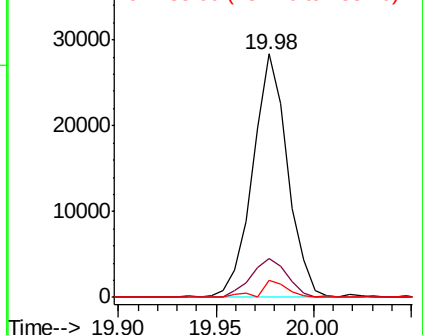
183 7.2 11.3 16.9#



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: 79.194 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045382.D

Acq: 14 May 2020 17:49

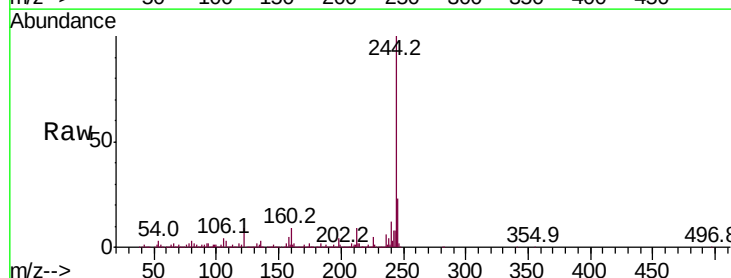
Tgt Ion:244 Resp: 1836922

Ion Ratio Lower Upper

244 100

212 9.3 7.9 11.9

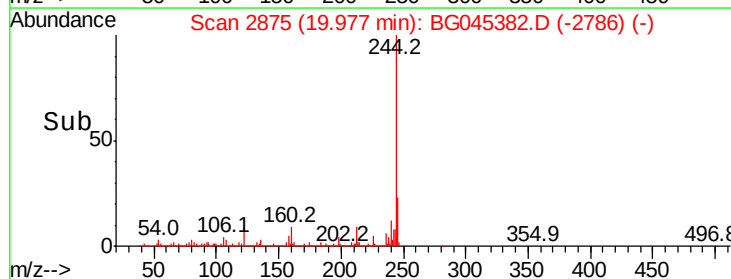
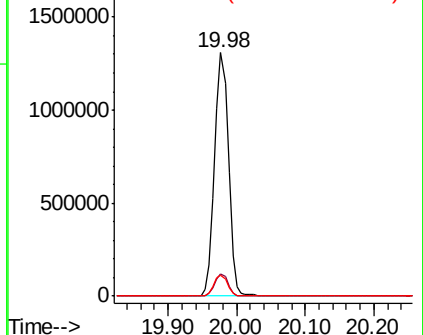
122 8.8 7.7 11.5

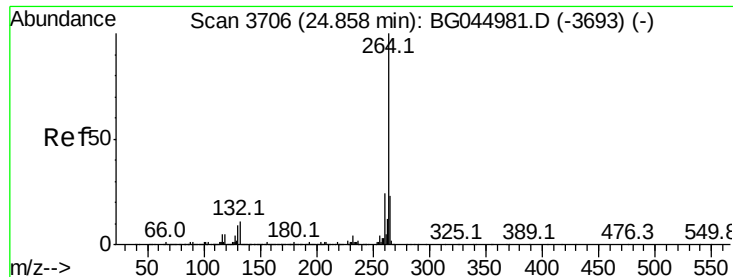


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.78 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: BG045382.D
 Acq: 14 May 2020 17:49

Instrument :
 BNA_G
 ClientSampleId :
 239997

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	19.0	28.4

