

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051220\
 Data File : BG045330.D
 Acq On : 12 May 2020 15:47
 Operator : CG/JU
 Sample : PB128765BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128765BL

Quant Time: May 12 17:39:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:48:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	64950	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	264657	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	186559	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	437681	20.00	ng	0.00
76) Chrysene-d12	21.63	240	459901	20.00	ng	0.00
87) Perylene-d12	24.79	264	473652	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	475369	120.83	ng	0.00
7) Phenol-d6	7.14	99	683921	117.01	ng	0.00
23) Nitrobenzene-d5	9.13	82	482820	83.24	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	351201	121.86	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1097365	86.25	ng	0.00
79) Terphenyl-d14	19.98	244	2026647	96.05	ng	0.00

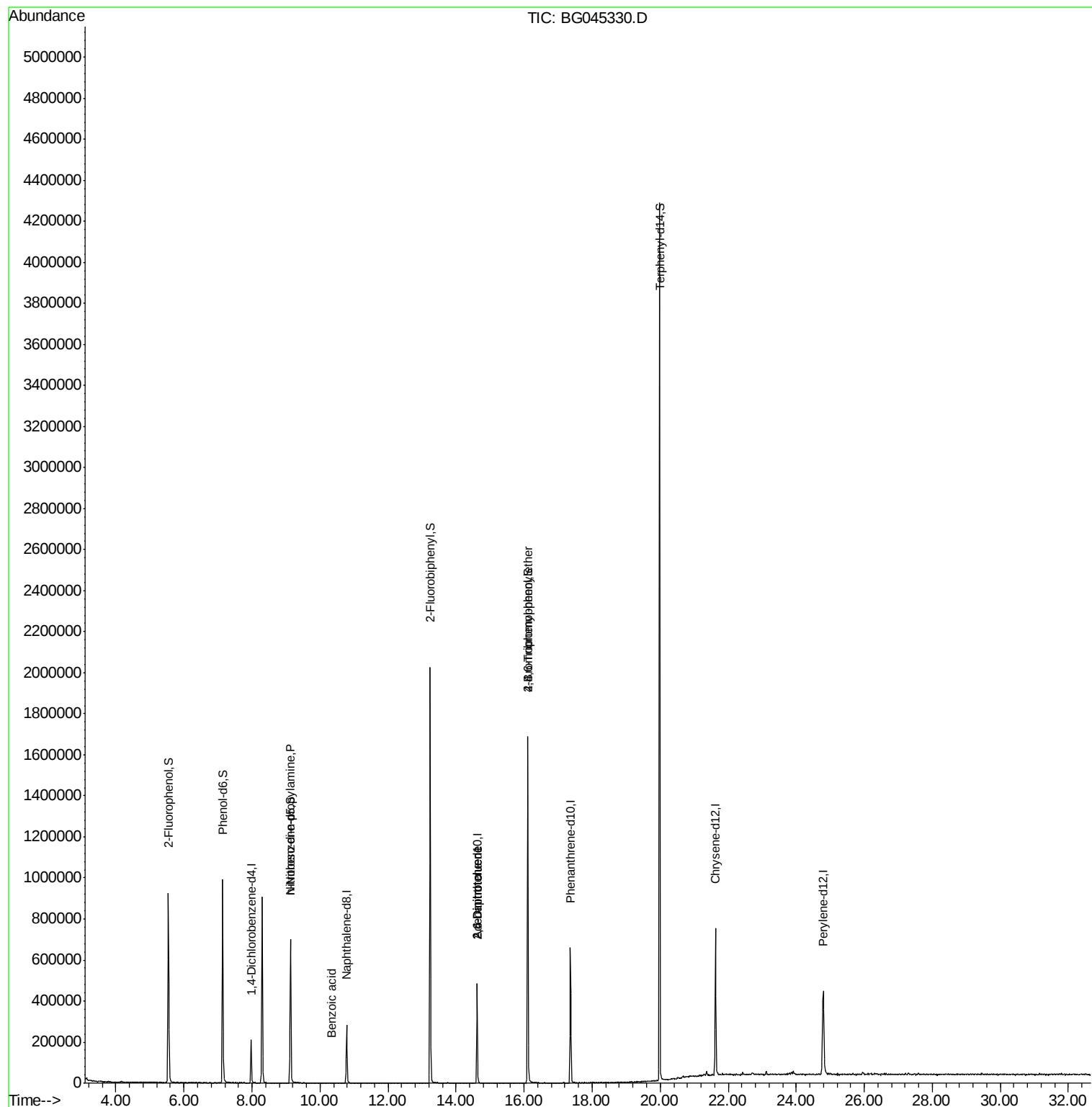
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.07	77	59	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	64670	15.645	ng	81
32) Benzoic acid	10.34	122	54	6.388	ng	1
51) 2,6-Dinitrotoluene	14.62	165	23622	6.952	ng	25
57) 2,4-Dinitrotoluene	14.62	165	23622	4.757	ng	22
67) 4-Bromophenyl-phenylether	16.11	248	23845	4.223	ng	1
69) Atrazine	17.20	200	86	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	465	Below Cal	#	76
75) Fluoranthene	19.25	202	54	Below Cal	#	62
77) Benzidine	19.98	184	39574	Below Cal	#	91

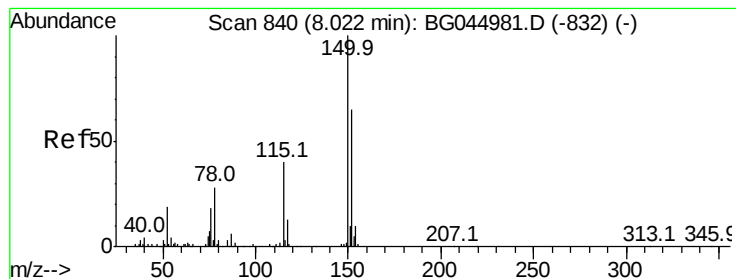
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051220\
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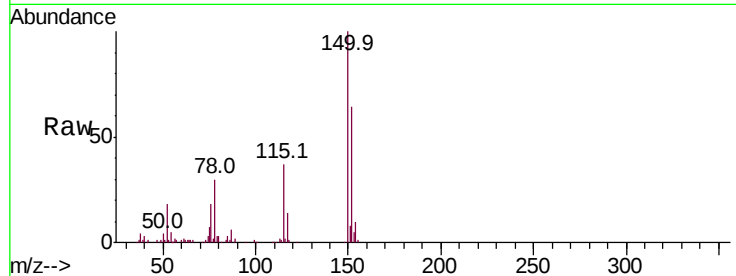


#1

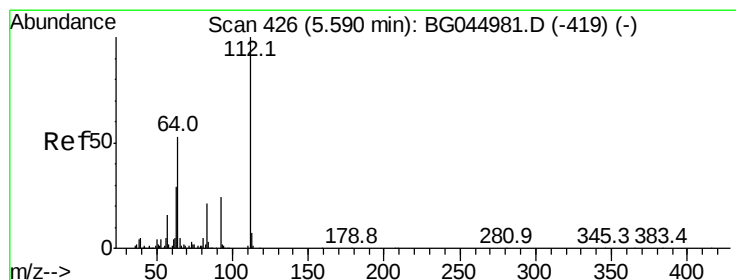
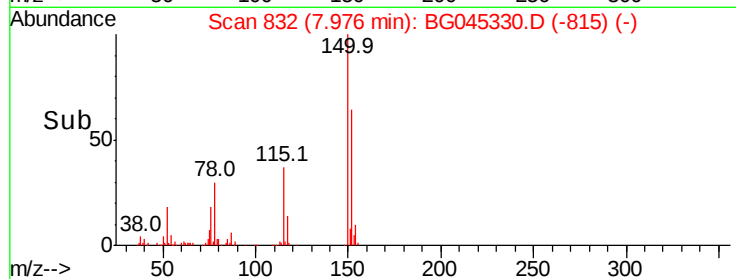
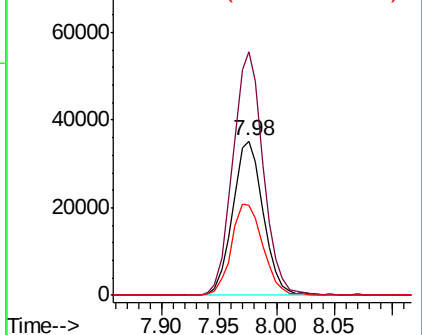
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BG045330.D
Acq: 12 May 2020 15:47

Instrument :
BNA_G
ClientSampleId :
PB128765BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.6	185.4
115	57.9	49.1	73.7



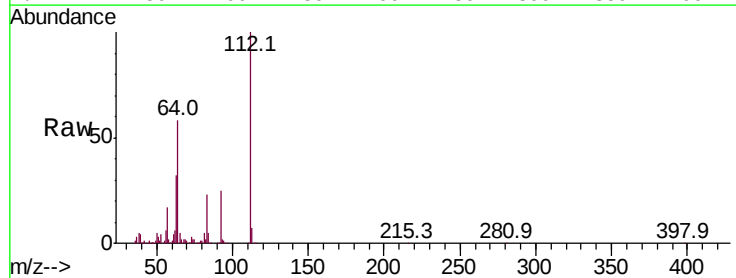
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



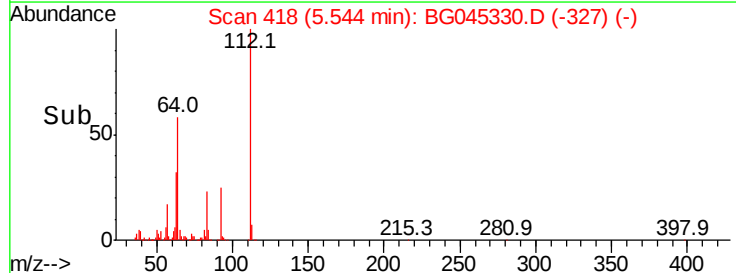
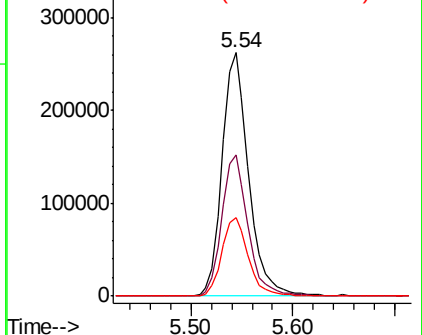
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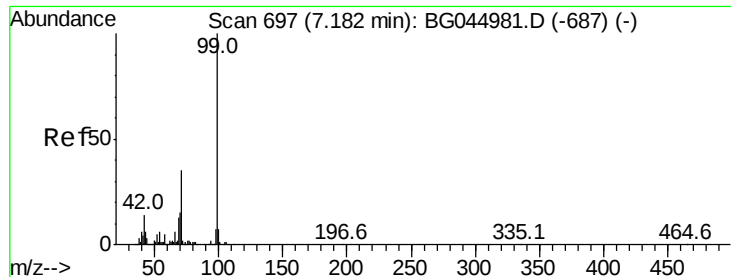
2-Fluorophenol
Concen: 120.833 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045330.D
Acq: 12 May 2020 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	42.4	63.6
63	32.3	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: 117.008 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

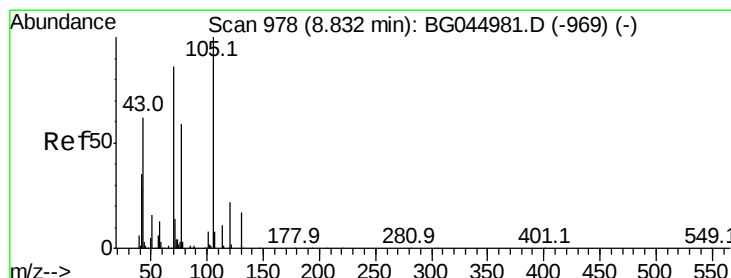
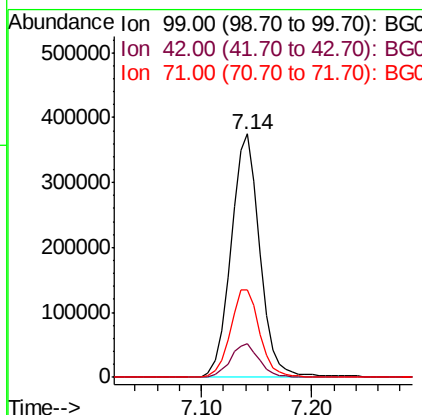
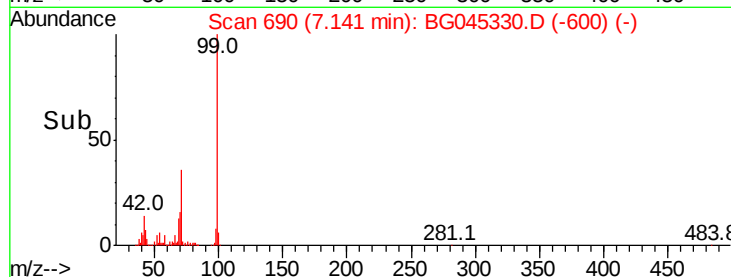
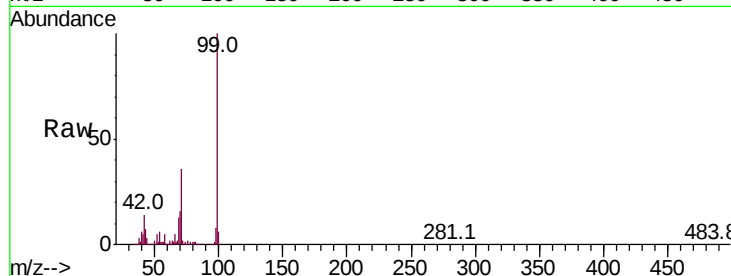
Tot Ion: 99 Resp: 683921

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

71 36.1 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.645 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Tgt Ion: 70 Resp: 64670

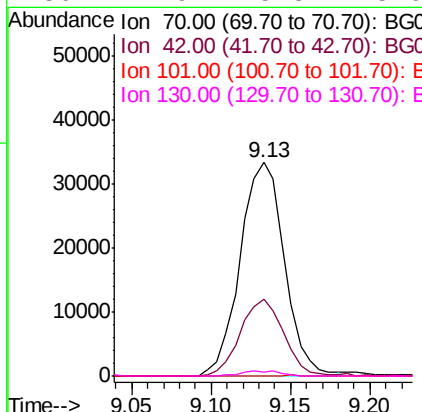
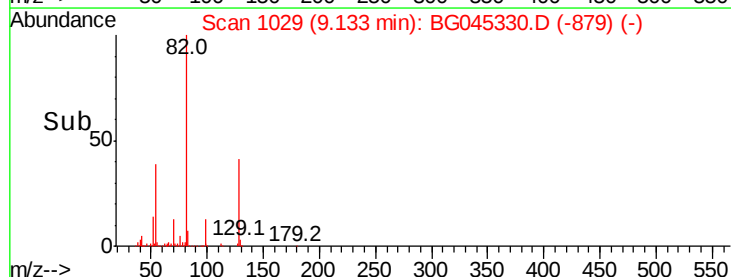
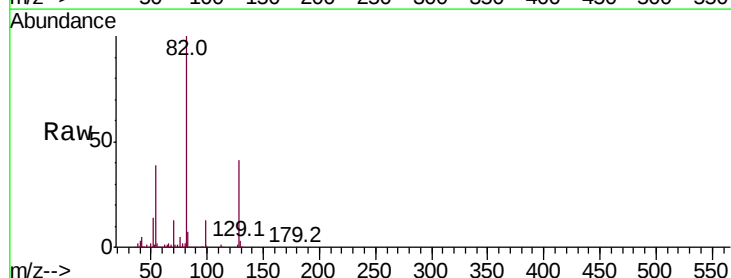
Ion Ratio Lower Upper

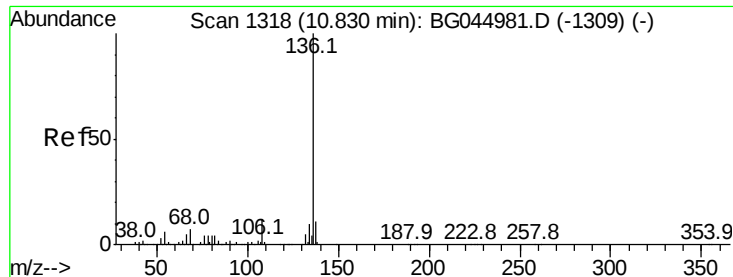
70 100

42 36.2 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

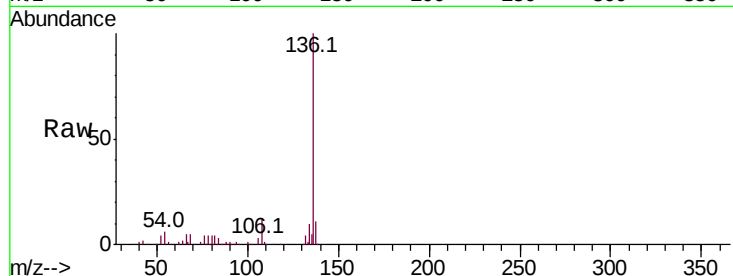




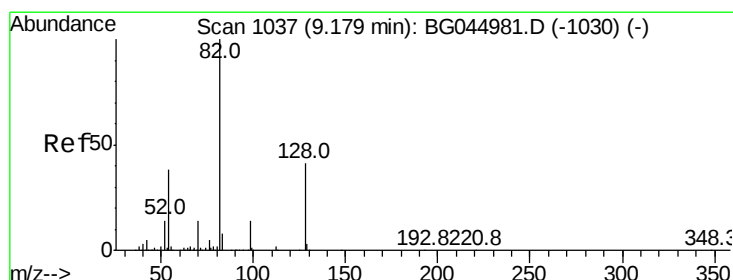
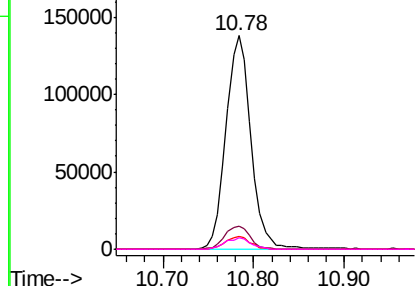
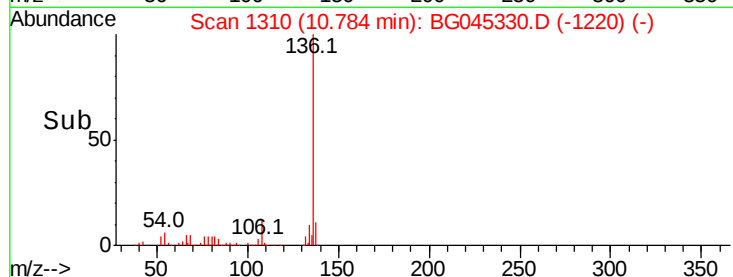
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BG045330.D
Acq: 12 May 2020 15:47

Instrument :
BNA_G
ClientSampleId :
PB128765BL

Tot Ion:136	Resp: 264657
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 6.3	4.8 7.2
68 5.4	5.2 7.8

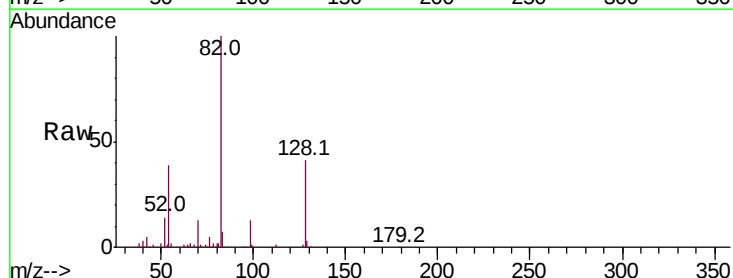


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

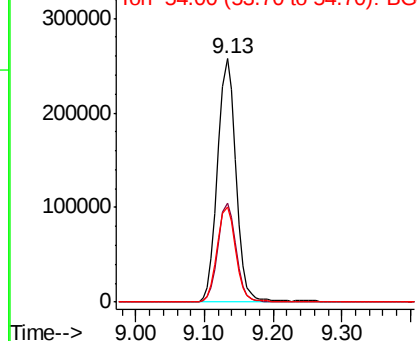
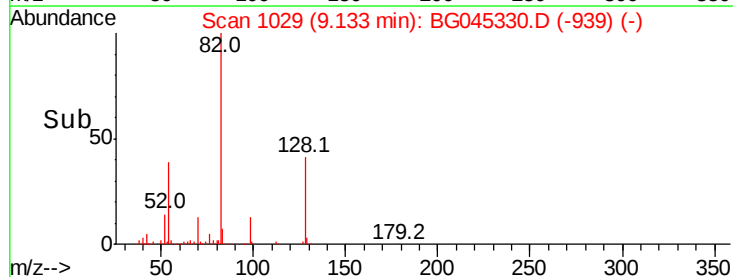


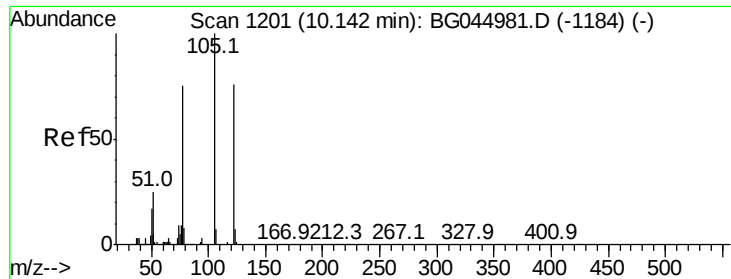
#23
Nitrobenzene-d5
Concen: 83.242 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045330.D
Acq: 12 May 2020 15:47

Tgt Ion	82	Resp: 482820	
	Ratio	Lower	Upper
82	100		
128	40.8	33.0	49.4
54	39.1	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

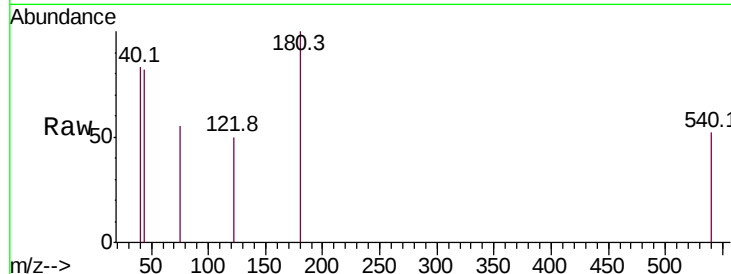




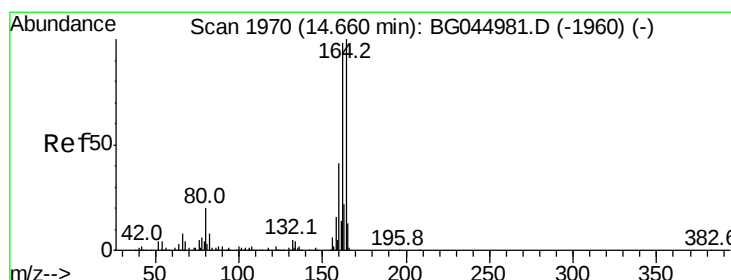
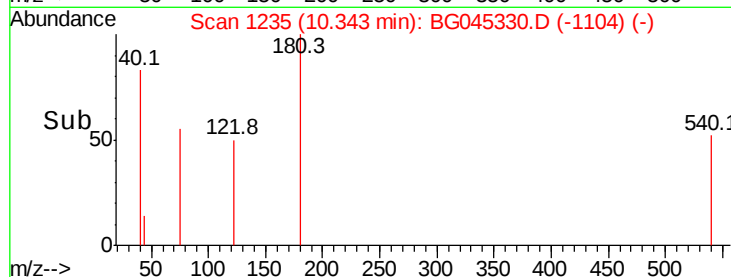
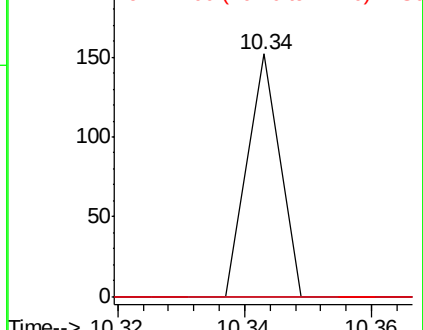
#32
Benzoic acid
Concen: 6.388 ng
RT: 10.34 min Scan# 1235
Delta R.T. 0.24 min
Lab File: BG045330.D
Acq: 12 May 2020 15:47

Instrument :
BNA_G
ClientSampleId :
PB128765BL

Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

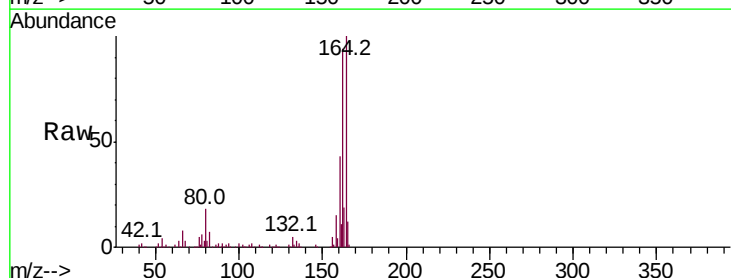


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

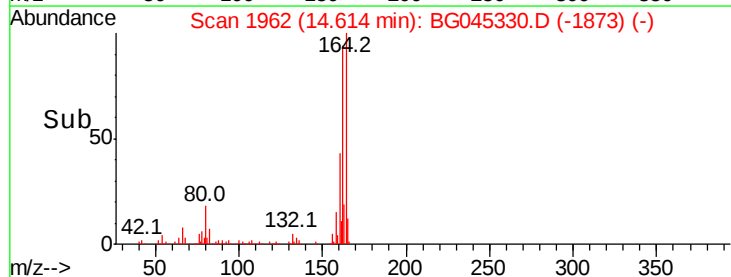
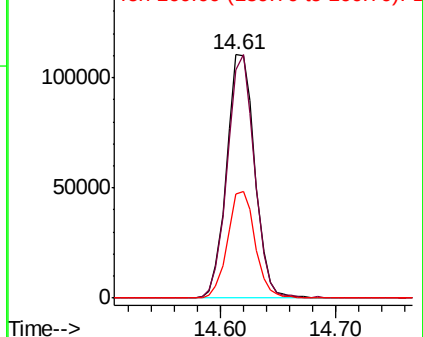


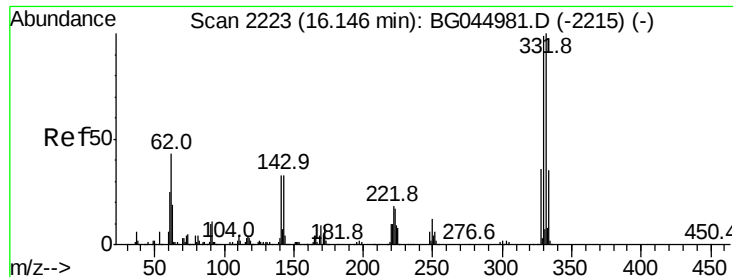
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BG045330.D
Acq: 12 May 2020 15:47

Tgt Ion:164 Resp: 186559
Ion Ratio Lower Upper
164 100
162 93.8 78.7 118.1
160 42.8 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

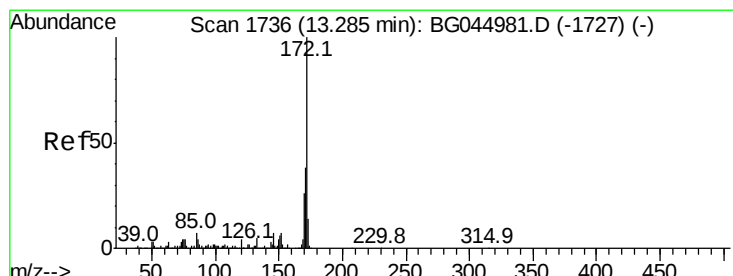
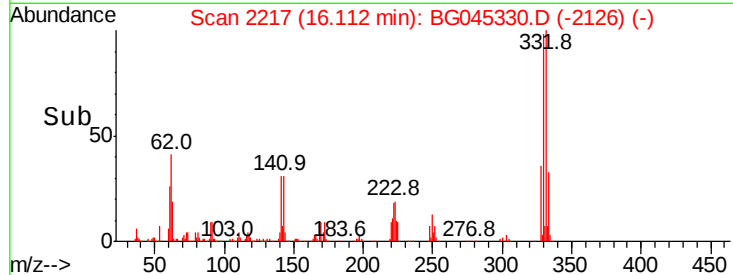
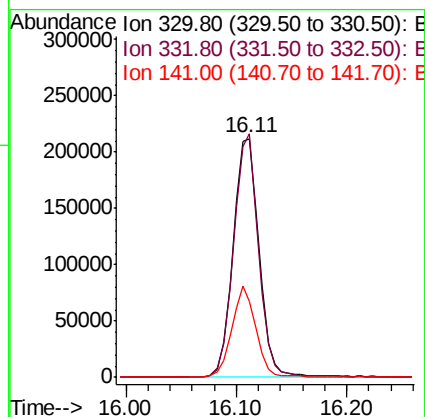
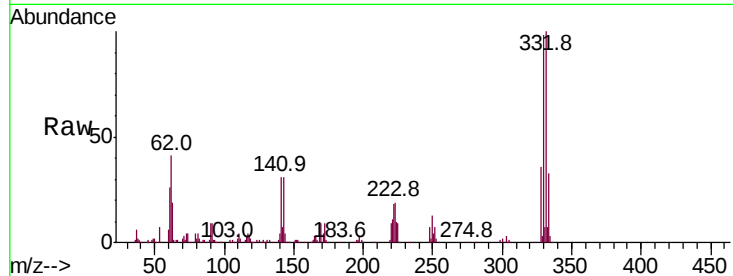




#42
 2,4,6-Tribromophenol
 Concen: 121.856 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG045330.D
 Acq: 12 May 2020 15:47

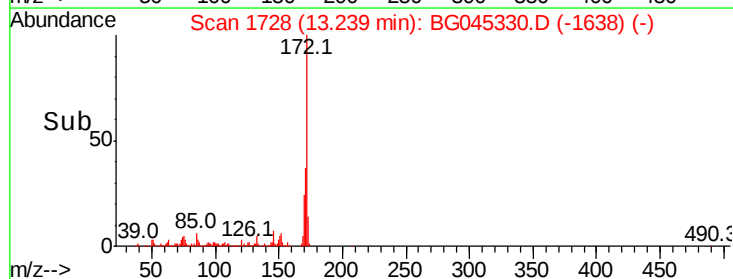
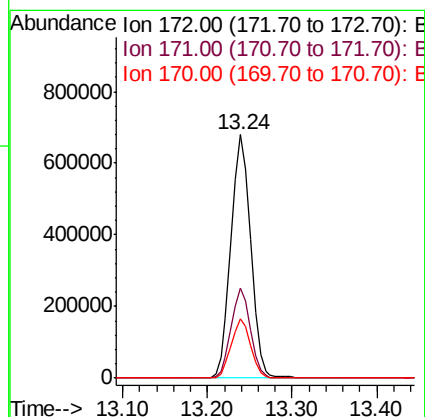
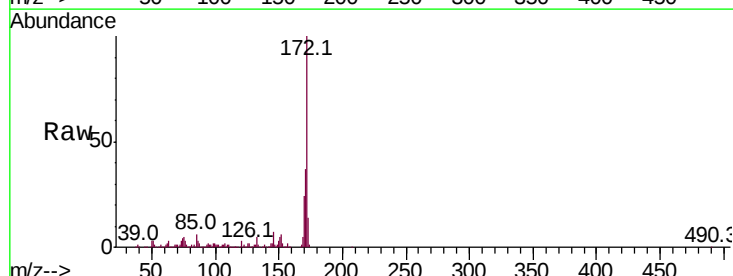
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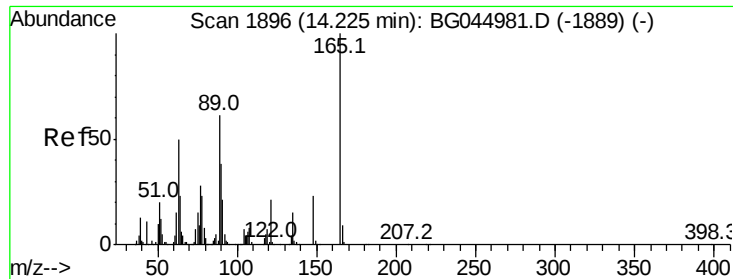
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.1	118.7
141	35.1	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 86.251 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG045330.D
 Acq: 12 May 2020 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	46.0
170	24.1	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 6.952 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.43 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

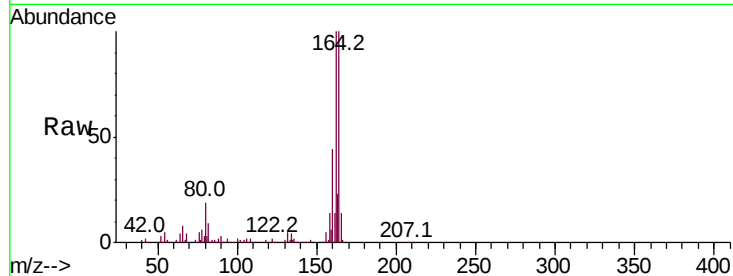
Tot Ion:165 Resp: 23622

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

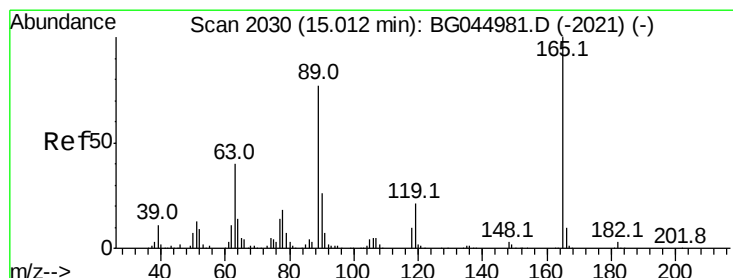
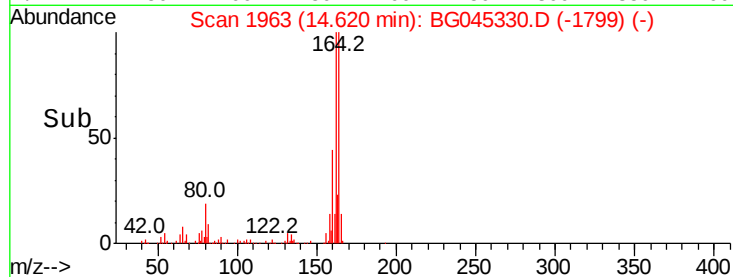
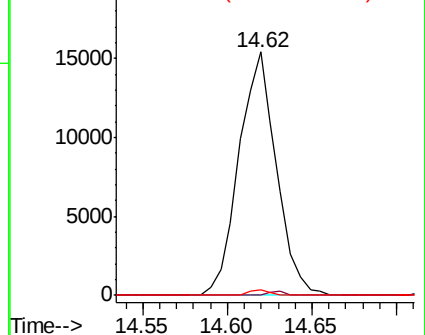
89 2.3 49.1 73.7#



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: 4.757 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.36 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Tgt Ion:165 Resp: 23622

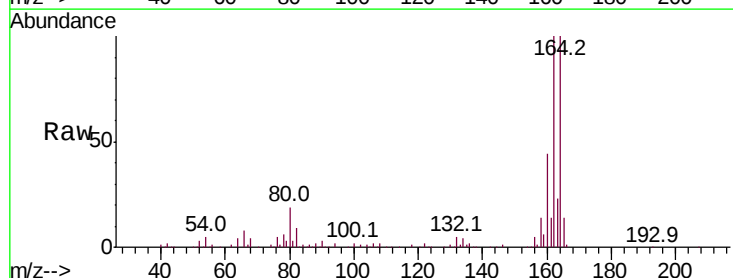
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.3 61.7 92.5#

182 0.0 2.0 3.0#

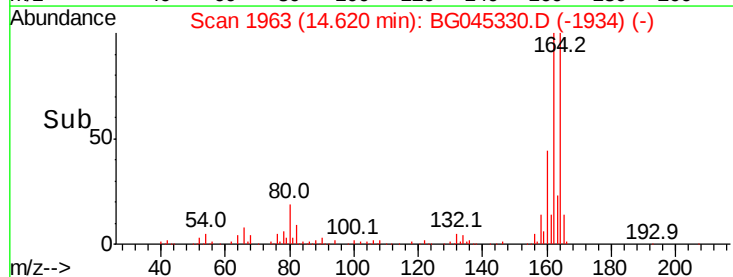
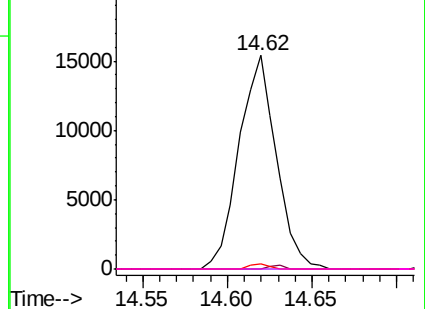


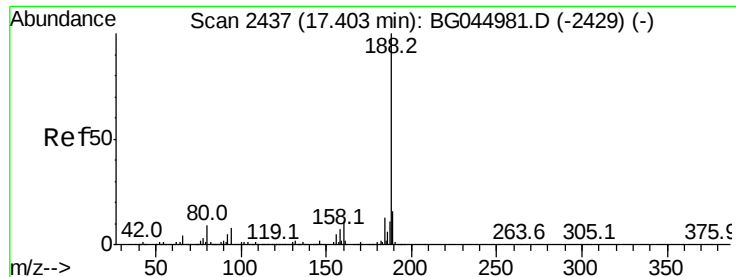
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

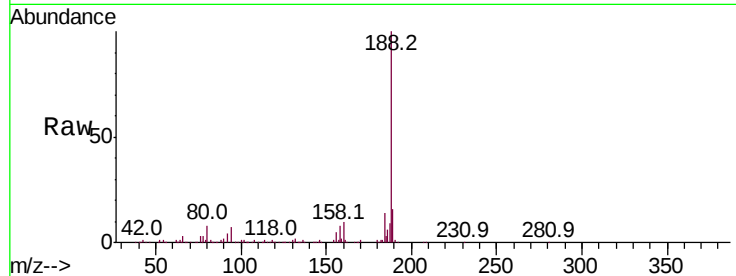
Tot Ion:188 Resp: 437681

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

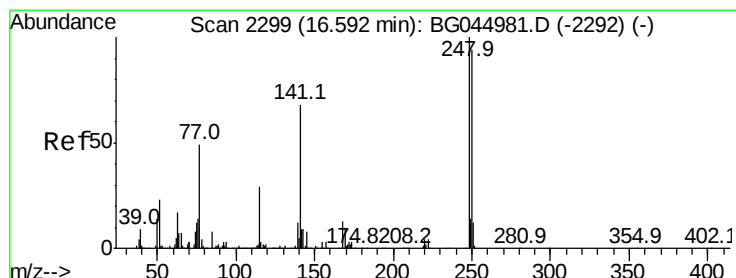
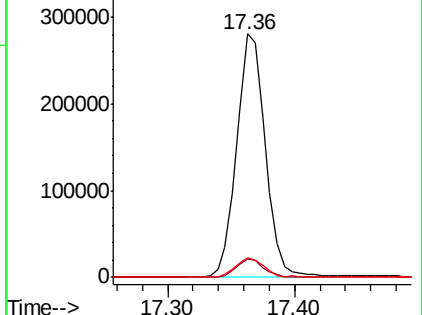
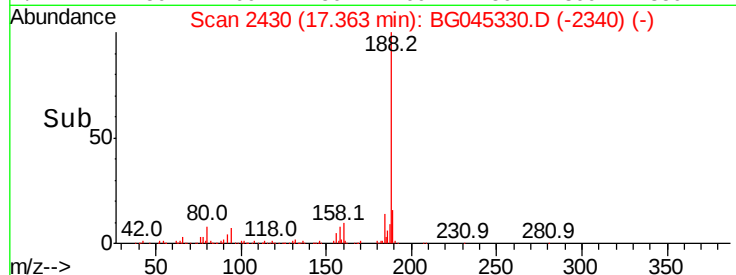
80 8.0 7.0 10.6



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: 4.223 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

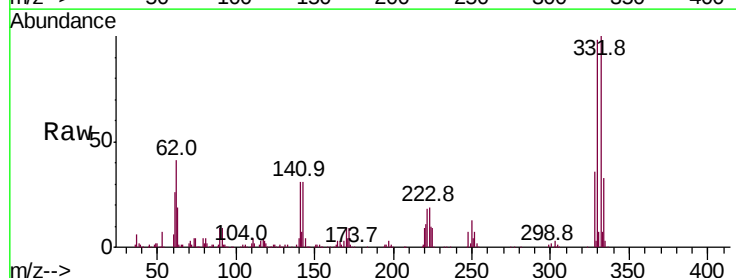
Tgt Ion:248 Resp: 23845

Ion Ratio Lower Upper

248 100

250 183.3 75.4 113.2#

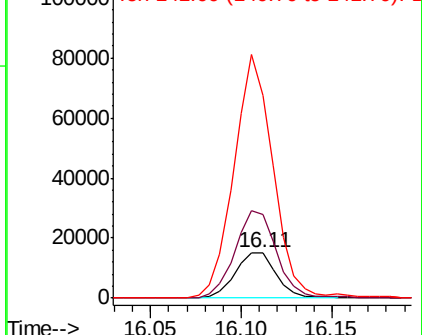
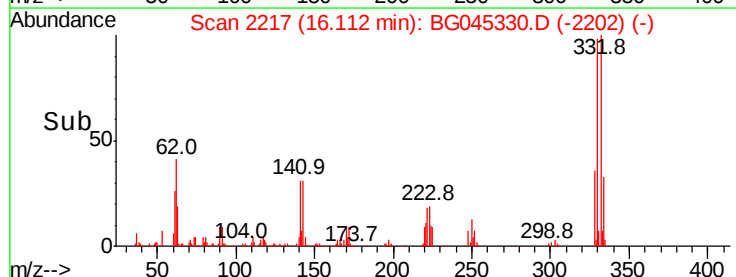
141 443.3 54.4 81.6#

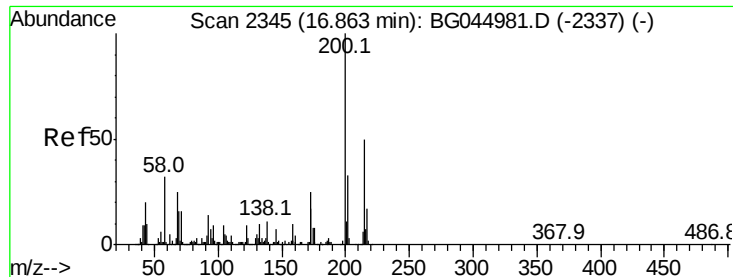


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.20 min Scan# 2402

Delta R.T. 0.37 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

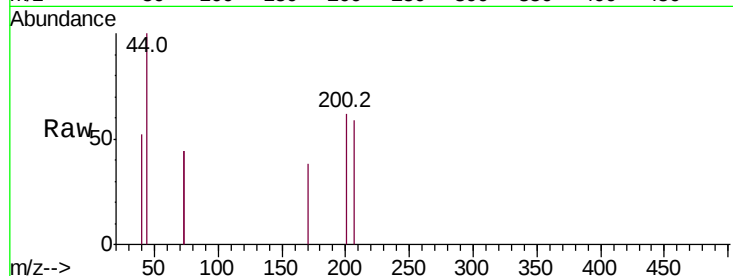
Tot Ion:200 Resp: 86

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

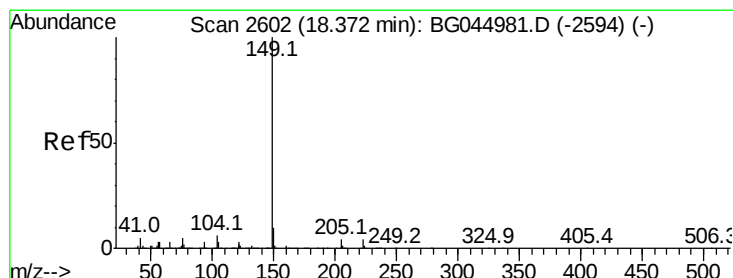
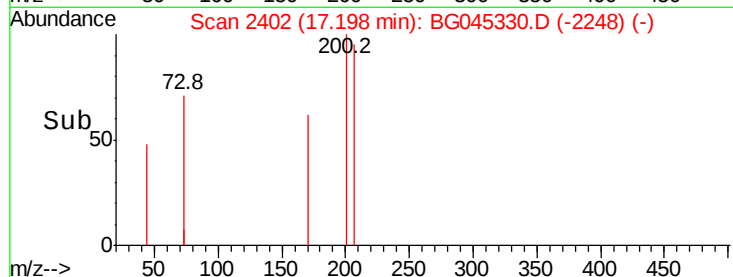
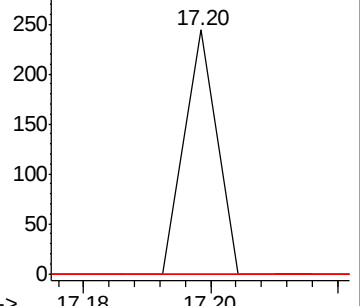
215 0.0 30.0 70.0#



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: 18.34 min Scan# 2596

Delta R.T. 0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

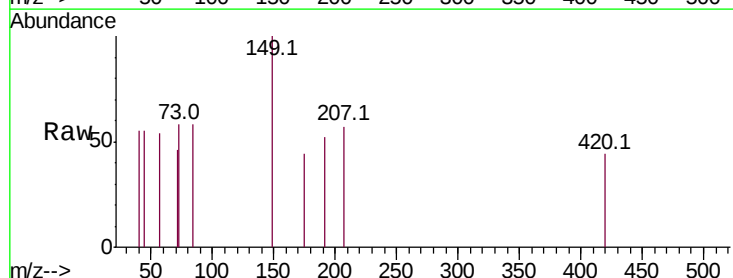
Tgt Ion:149 Resp: 465

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

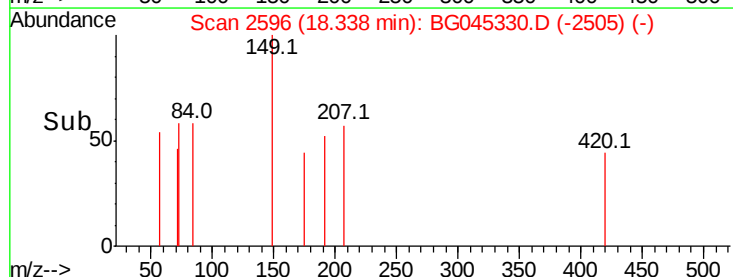
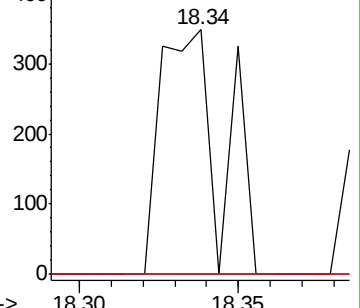
104 0.0 4.8 7.2#

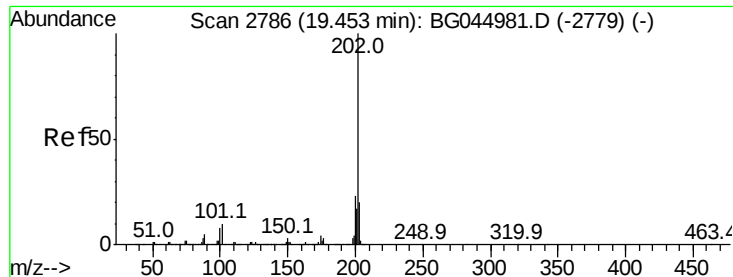


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.25 min Scan# 2751

Delta R.T. -0.17 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

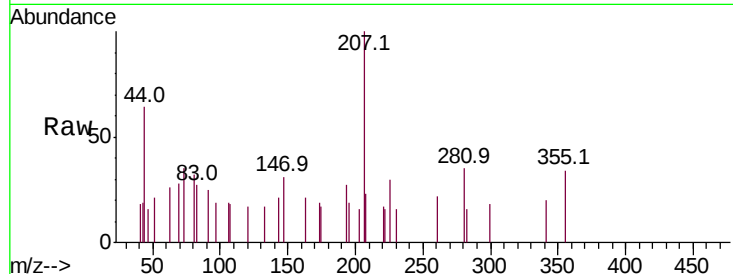
Tot Ion:202 Resp: 54

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

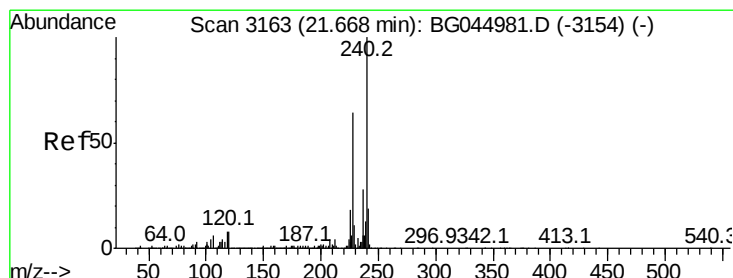
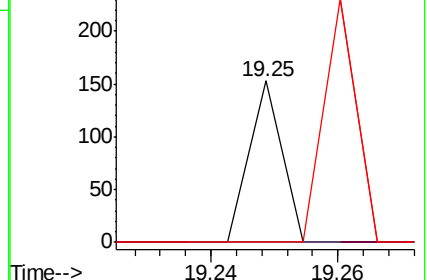
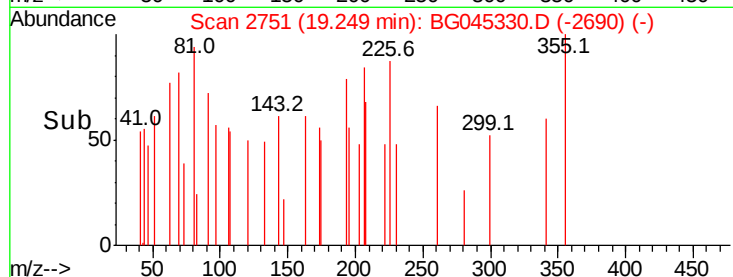
203 0.0 0.0 39.7



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: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

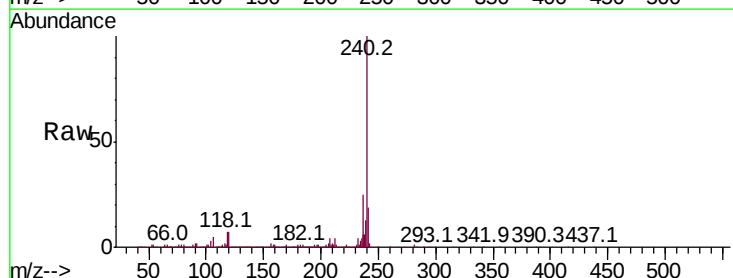
Tgt Ion:240 Resp: 459901

Ion Ratio Lower Upper

240 100

120 6.6 6.6 10.0#

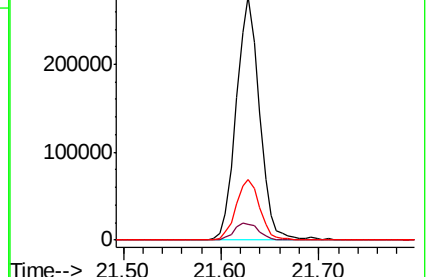
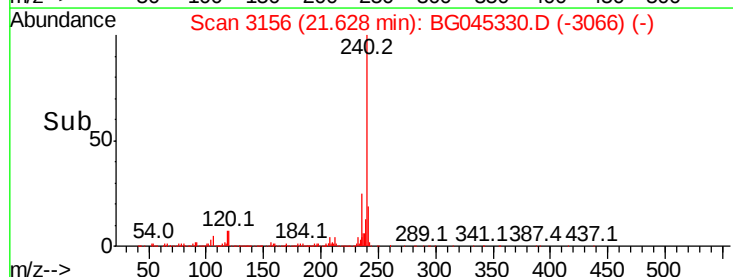
236 24.8 22.2 33.2

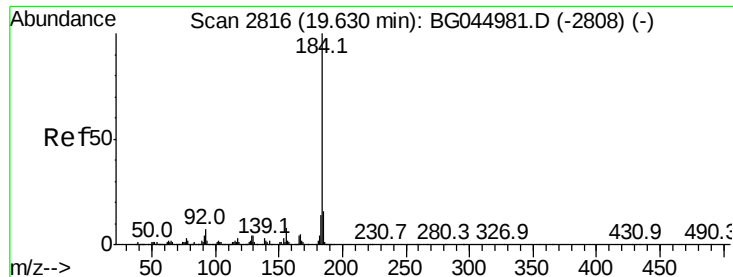


Abundance Ion 240.00 (239.70 to 240.70): E

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# 2876

Delta R.T. 0.39 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

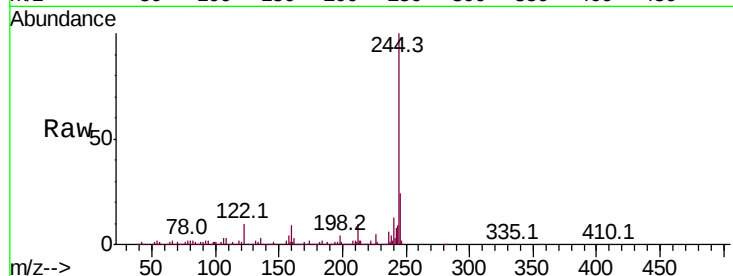
Tot Ion:184 Resp: 39574

Ion Ratio Lower Upper

184 100

185 16.1 12.6 19.0

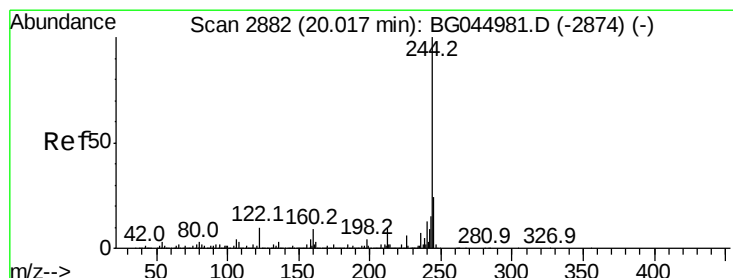
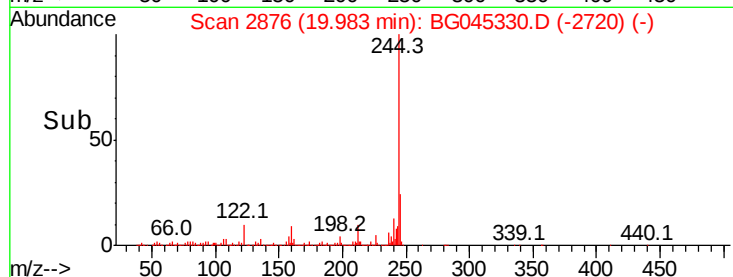
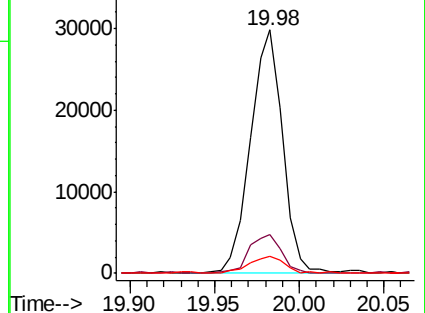
183 6.8 11.3 16.9#



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: 96.047 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

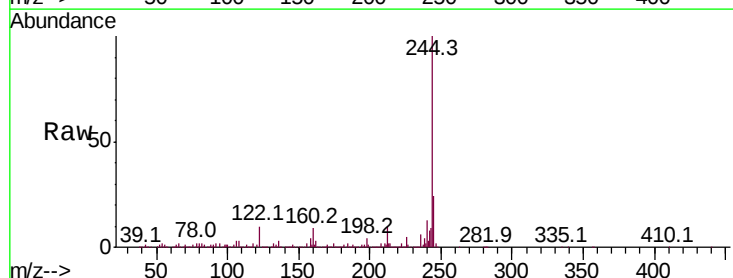
Tgt Ion:244 Resp: 2026647

Ion Ratio Lower Upper

244 100

212 9.9 7.9 11.9

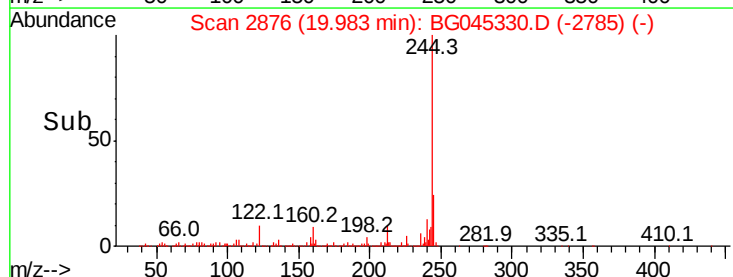
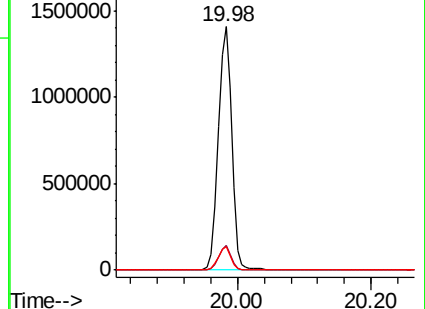
122 9.6 7.7 11.5

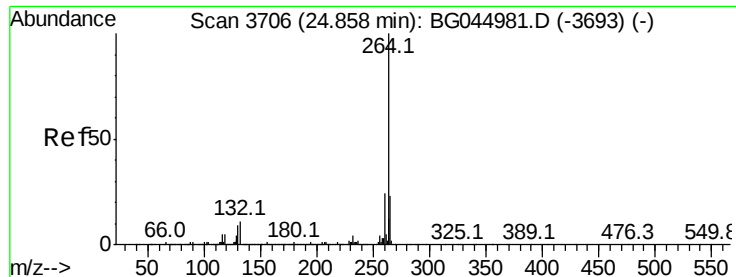


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3695

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA_G

ClientSampleId :

PB128765BL

Tot Ion:264 Resp: 473652

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.5 19.0 28.4

