

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\
 Data File : BG045208.D
 Acq On : 29 Apr 2020 16:59
 Operator : CG/JU
 Sample : PB128554BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128554BL

Quant Time: Apr 29 17:37:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 12:24:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	67670	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	280283	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	218493	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	510012	20.00	ng	0.00
76) Chrysene-d12	21.64	240	487100	20.00	ng	0.00
87) Perylene-d12	24.81	264	517103	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	537198	131.06	ng	0.00
7) Phenol-d6	7.16	99	792514	130.14	ng	0.00
23) Nitrobenzene-d5	9.15	82	567994	92.47	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	448237	132.79	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1376479	92.38	ng	0.00
79) Terphenyl-d14	19.99	244	2214012	99.07	ng	0.00

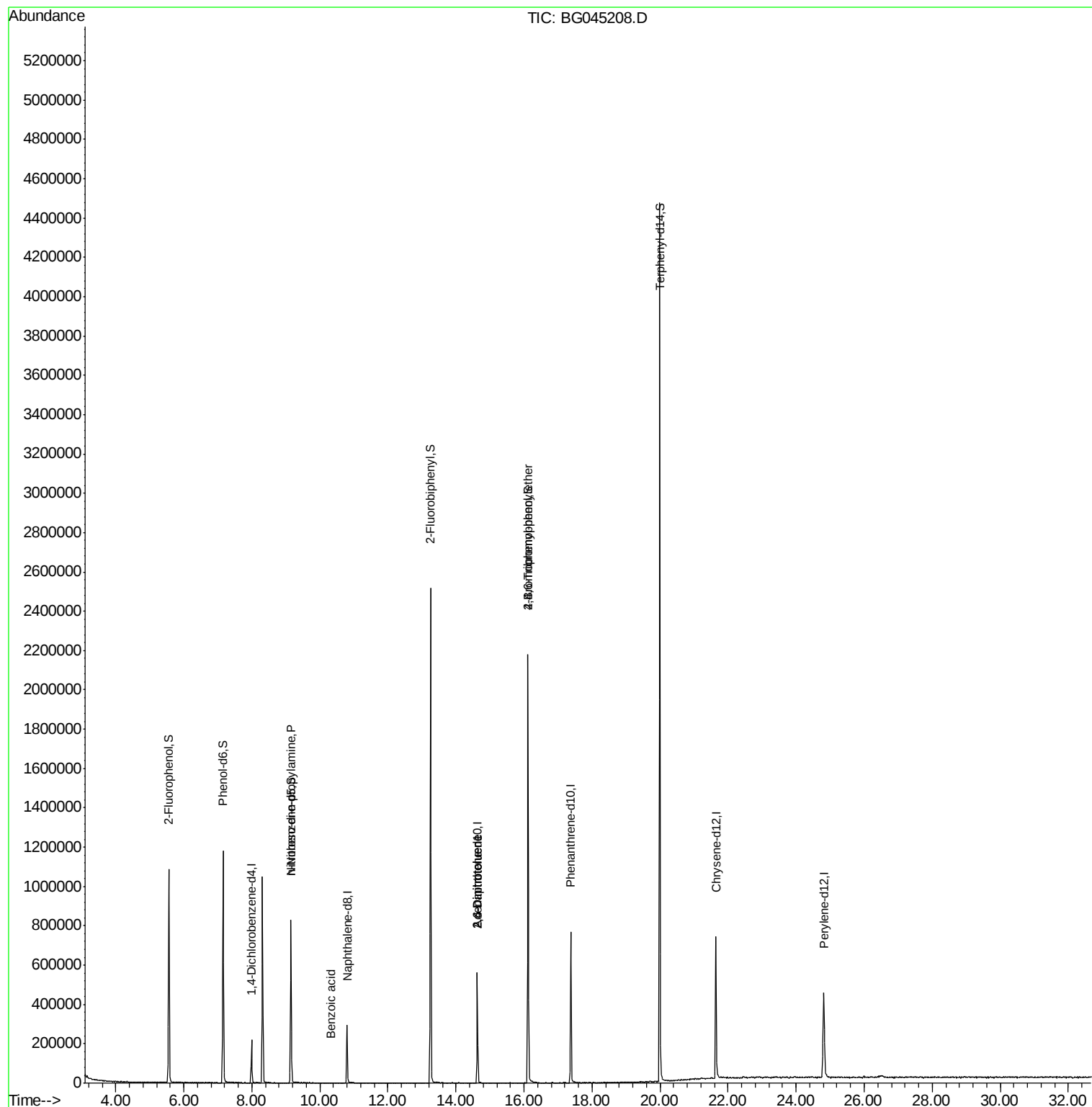
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.09	77	65	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	73892	17.157 ng	#	83
32) Benzoic acid	10.32	122	58	6.388 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	28231	7.095 ng	#	26
57) 2,4-Dinitrotoluene	14.63	165	28231	4.855 ng	#	24
67) 4-Bromophenyl-phenylether	16.12	248	30880	4.693 ng	#	1
69) Atrazine	16.84	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	60	Below Cal	#	76
75) Fluoranthene	19.40	202	62	Below Cal	#	62
77) Benzidine	19.99	184	41912	Below Cal	#	90

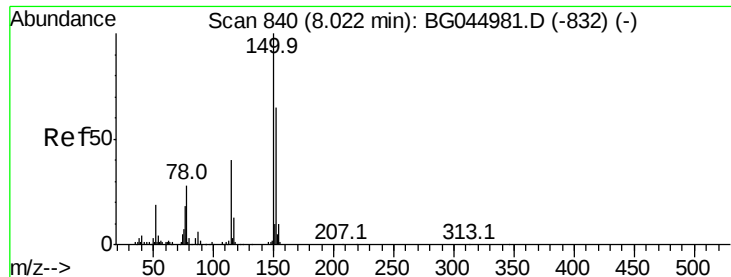
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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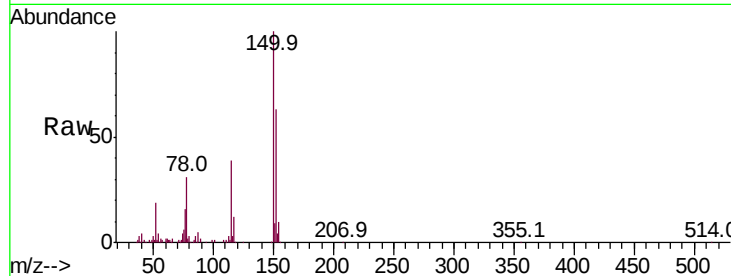


#1

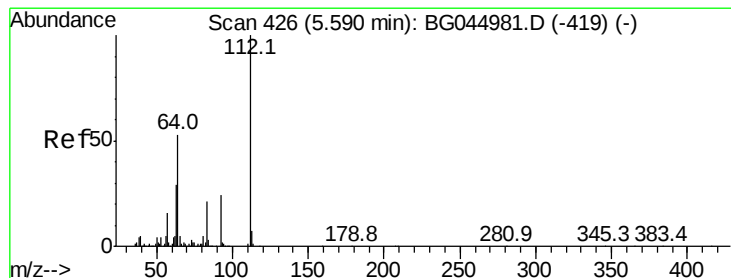
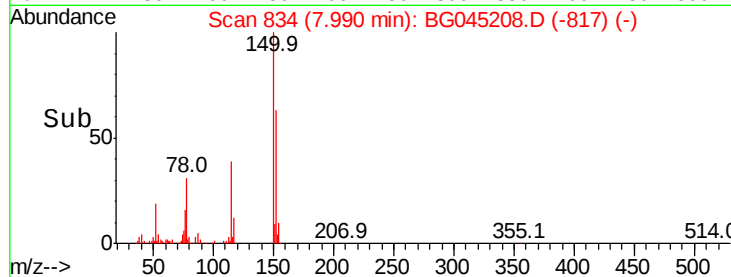
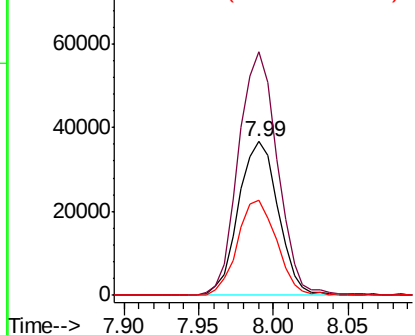
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BG045208.D
 Acq: 29 Apr 2020 16:59

Instrument :
 BNA_G
 ClientSampleId :
 PB128554BL

Tot Ion:152 Resp: 67670
 Ion Ratio Lower Upper
 152 100
 150 158.3 123.6 185.4
 115 61.5 49.1 73.7



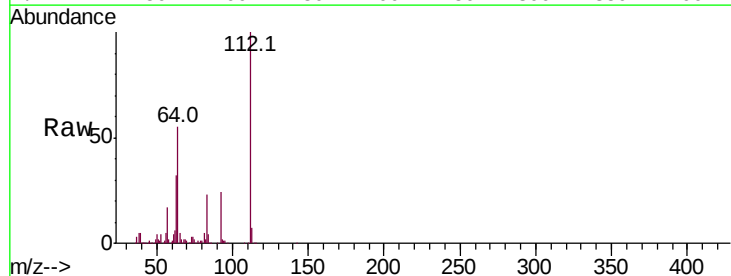
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



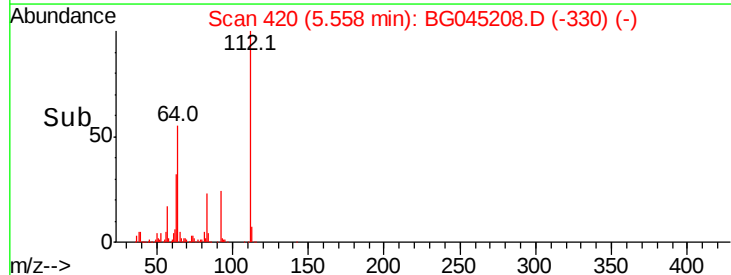
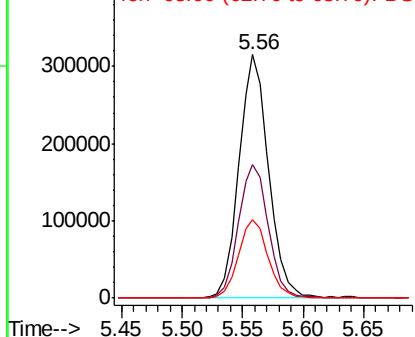
#5

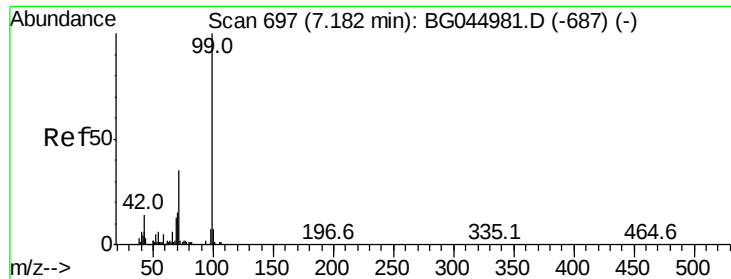
2-Fluorophenol
 Concen: 131.060 ng
 RT: 5.56 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: BG045208.D
 Acq: 29 Apr 2020 16:59

Tgt Ion:112 Resp: 537198
 Ion Ratio Lower Upper
 112 100
 64 55.0 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: 130.136 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Instrument :

BNA_G

ClientSampleId :

PB128554BL

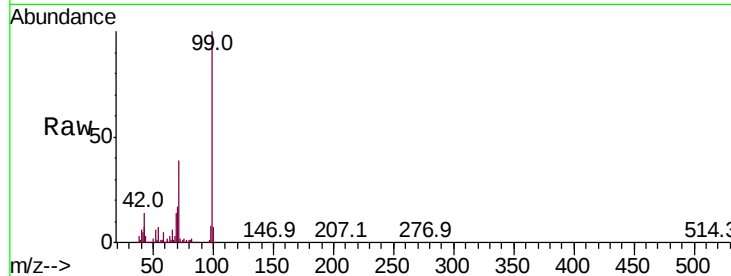
Tot Ion: 99 Resp: 792514

Ion Ratio Lower Upper

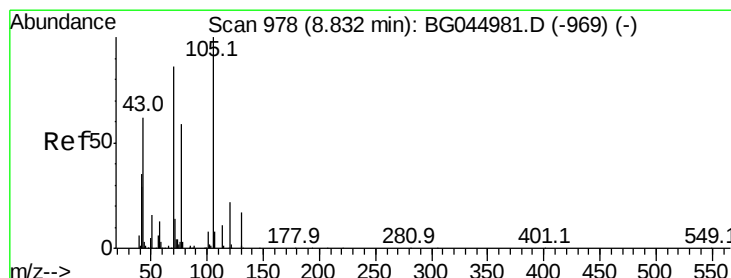
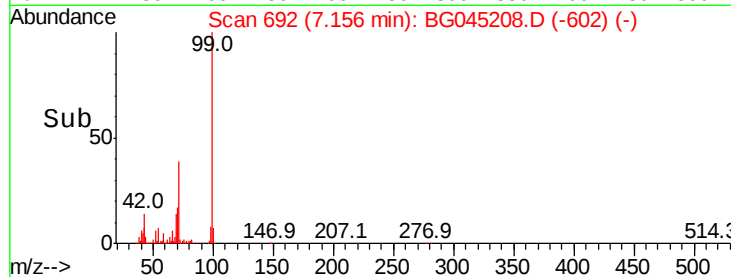
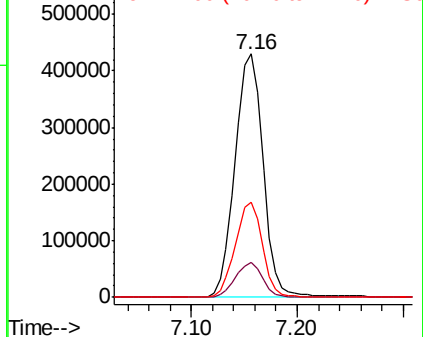
99 100

42 14.2 11.3 16.9

71 39.1 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: 17.157 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Tgt Ion: 70 Resp: 73892

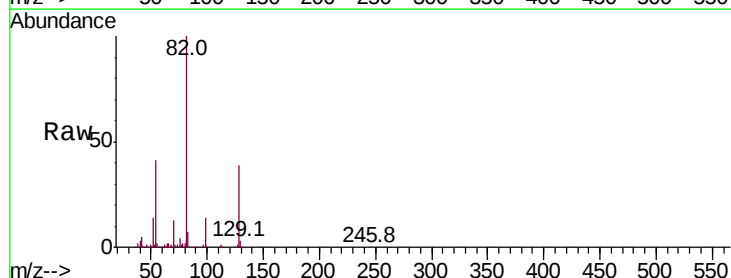
Ion Ratio Lower Upper

70 100

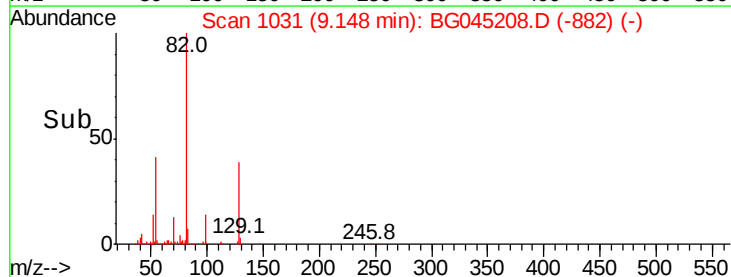
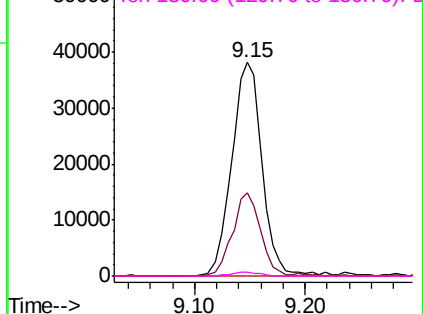
42 39.1 33.3 49.9

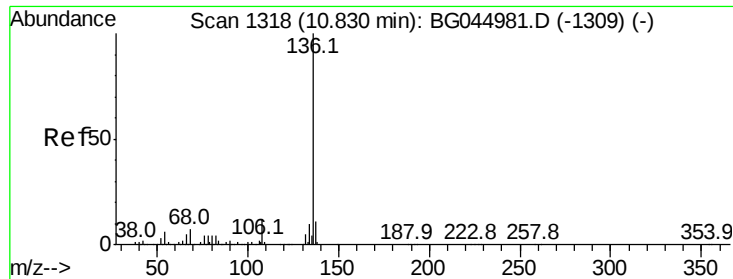
101 0.0 7.8 11.8#

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

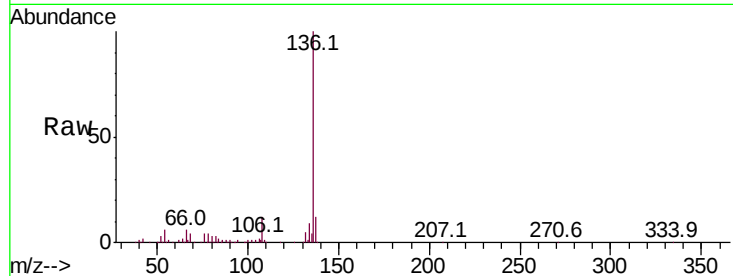




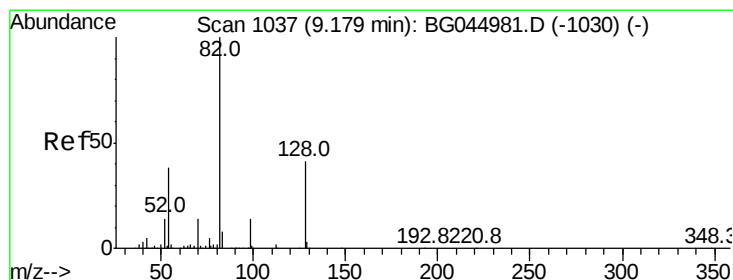
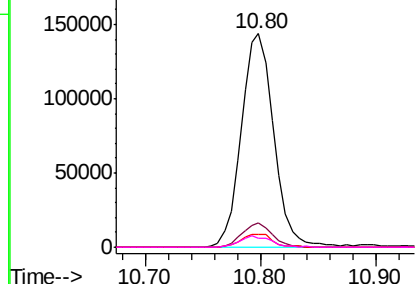
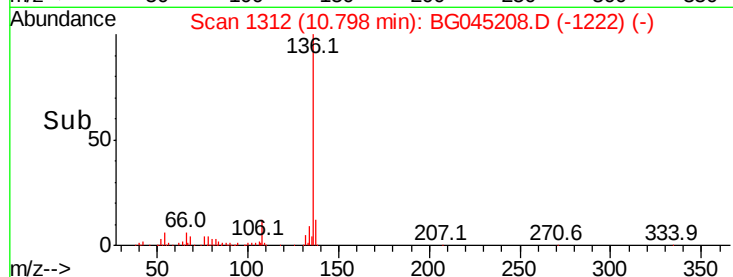
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG045208.D
Acq: 29 Apr 2020 16:59

Instrument :
BNA_G
ClientSampleId :
PB128554BL

Tot Ion:	136	Resp:	280283
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	6.2	4.8	7.2
68	4.3	5.2	7.8

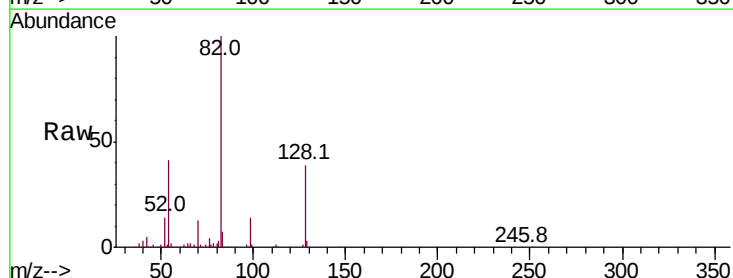


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

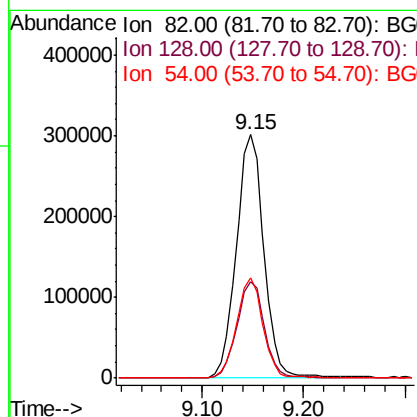
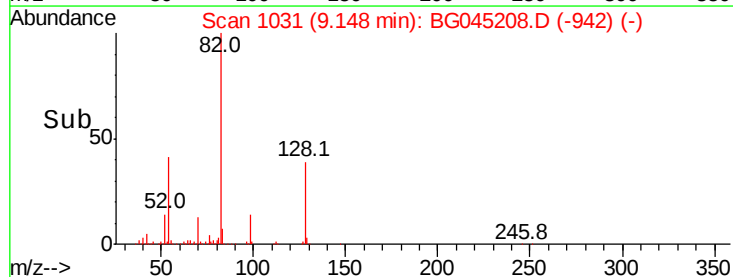


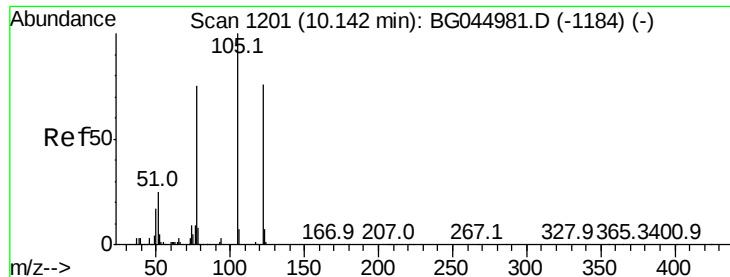
#23
Nitrobenzene-d5
Concen: 92.467 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045208.D
Acq: 29 Apr 2020 16:59

Tgt Ion:	82	Resp:	567994
Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.0	49.4
54	41.4	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: 10.32 min Scan# 1231

Delta R.T. 0.19 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Instrument :

BNA_G

ClientSampleId :

PB128554BL

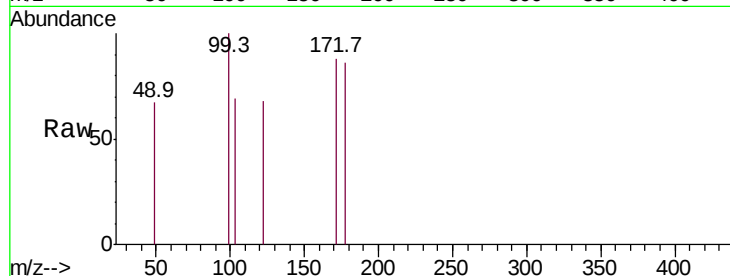
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#

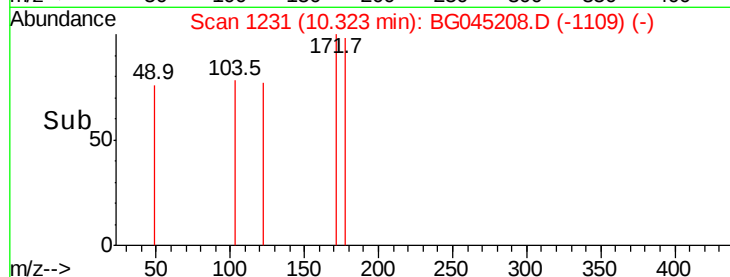


Abundance Ion 122.00 (121.70 to 122.70): E

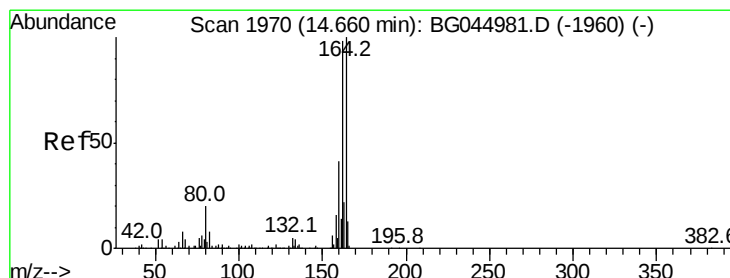
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.32



Time--> 10.30 10.32 10.34



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

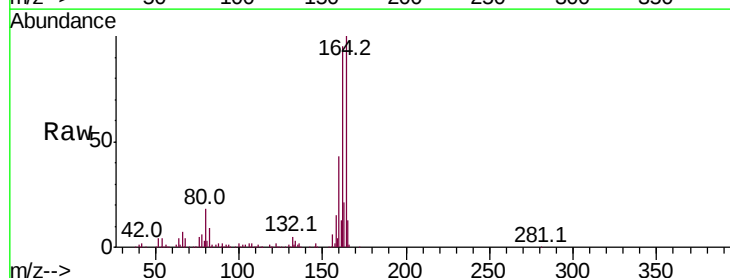
Tgt Ion:164 Resp: 218493

Ion Ratio Lower Upper

164 100

162 94.8 78.7 118.1

160 42.7 32.8 49.2

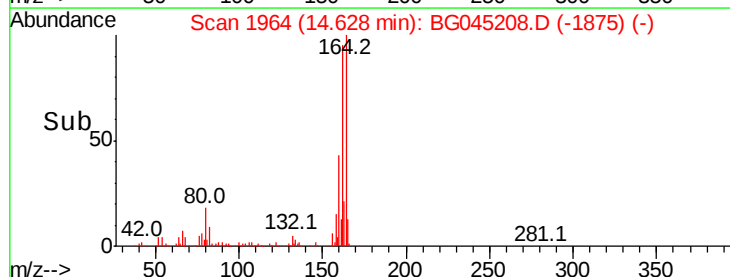


Abundance Ion 164.00 (163.70 to 164.70): E

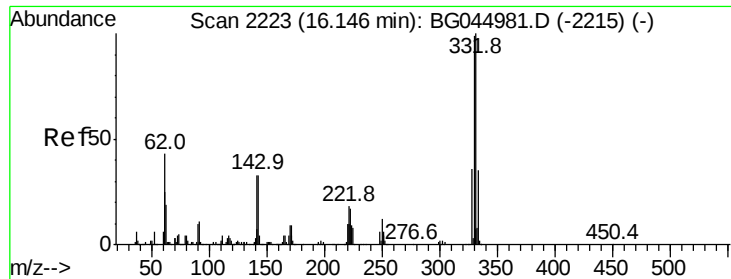
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.63



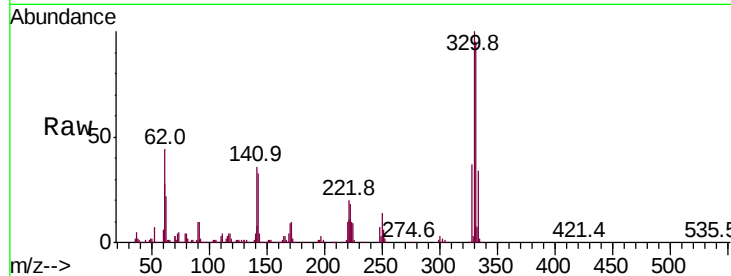
Time--> 14.60 14.63 14.67



#42
 2,4,6-Tribromophenol
 Concen: 132.794 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045208.D
 Acq: 29 Apr 2020 16:59

Instrument :
 BNA_G
 ClientSampleId :
 PB128554BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	79.1	118.7
141	35.9	27.1	40.7

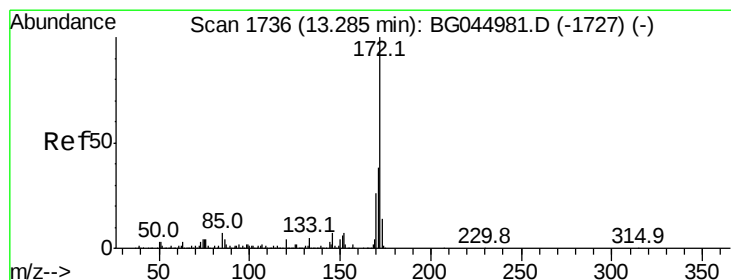
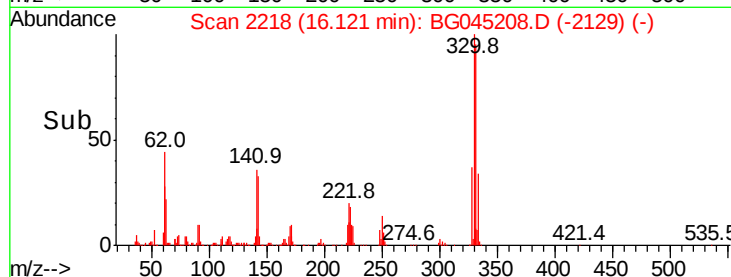
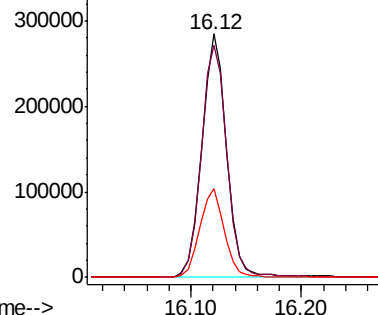


Abundance

Ion 329.80 (329.50 to 330.50): E

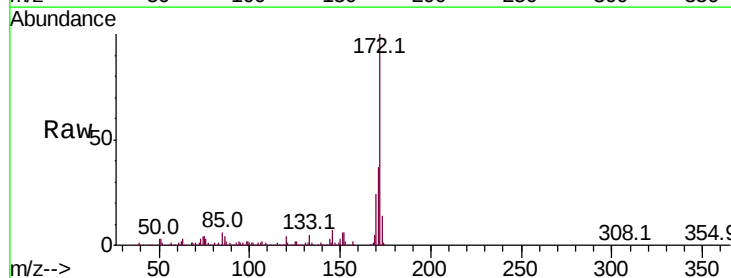
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.376 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. 0.00 min
 Lab File: BG045208.D
 Acq: 29 Apr 2020 16:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	46.0
170	24.4	20.5	30.7

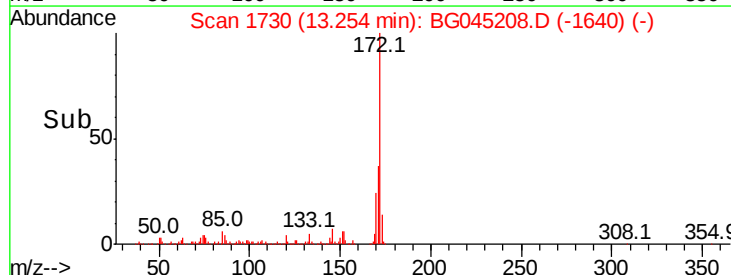
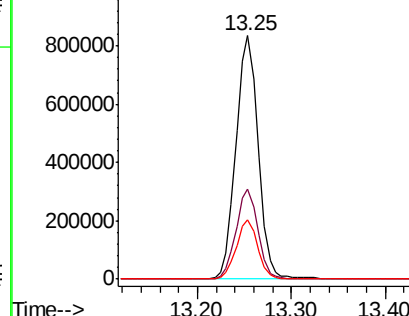


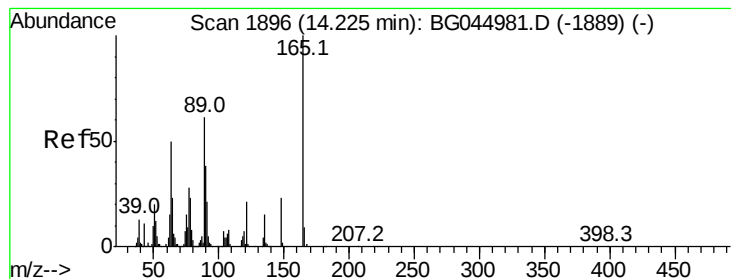
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.095 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.44 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Instrument :

BNA_G

ClientSampleId :

PB128554BL

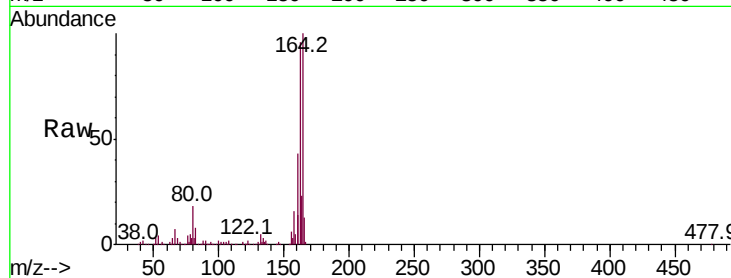
Tot Ion:165 Resp: 28231

Ion Ratio Lower Upper

165 100

63 1.8 40.4 60.6#

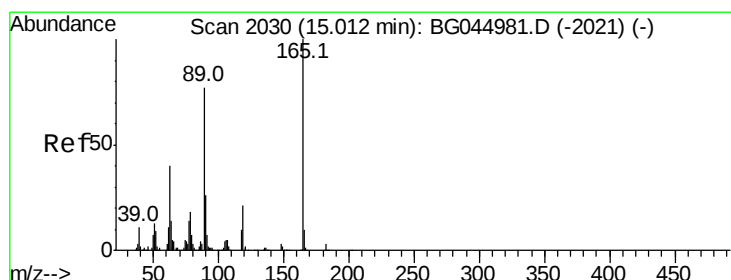
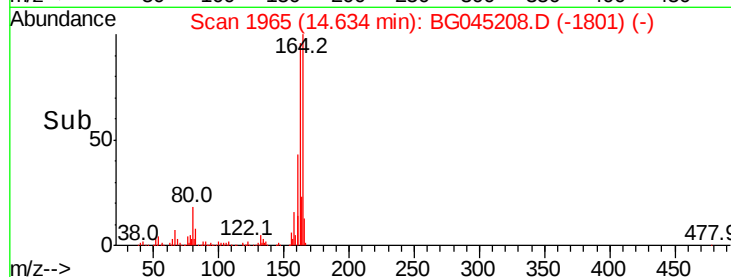
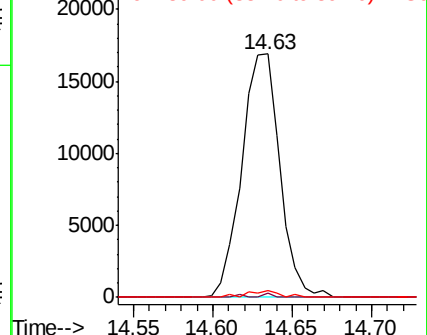
89 2.6 49.1 73.7#



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: 4.855 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Tgt Ion:165 Resp: 28231

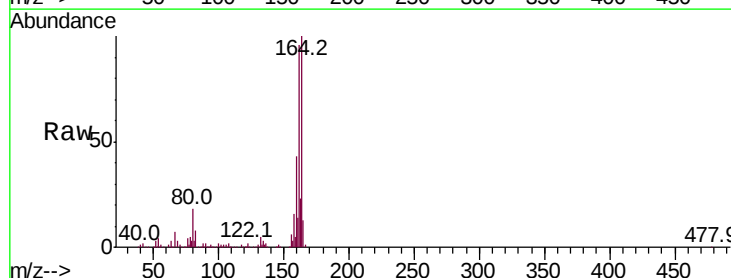
Ion Ratio Lower Upper

165 100

63 1.8 32.2 48.2#

89 2.6 61.7 92.5#

182 0.0 2.0 3.0#

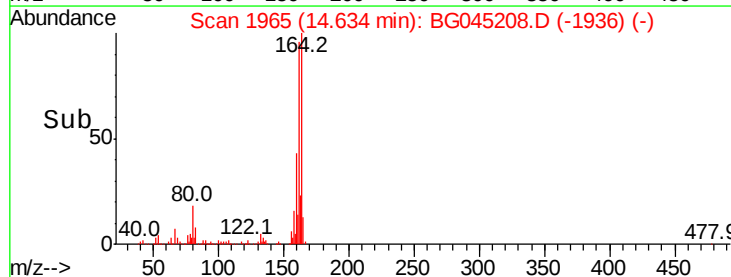
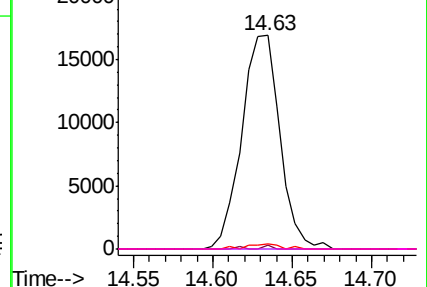


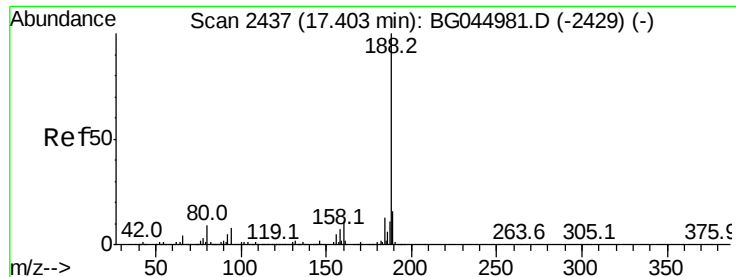
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2432

Delta R.T. -0.00 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Instrument :

BNA_G

ClientSampleId :

PB128554BL

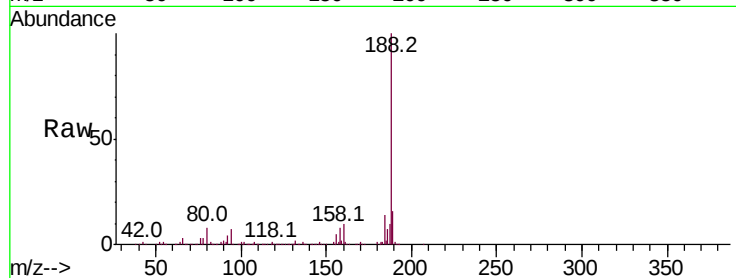
Tot Ion:188 Resp: 510012

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

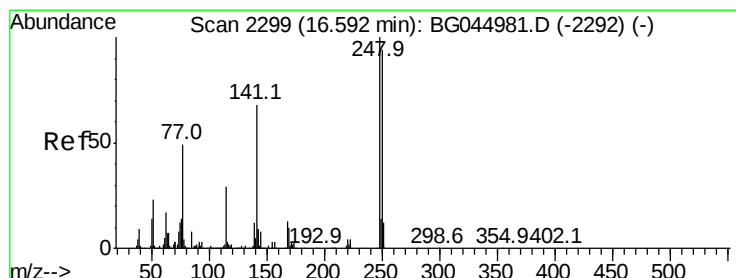
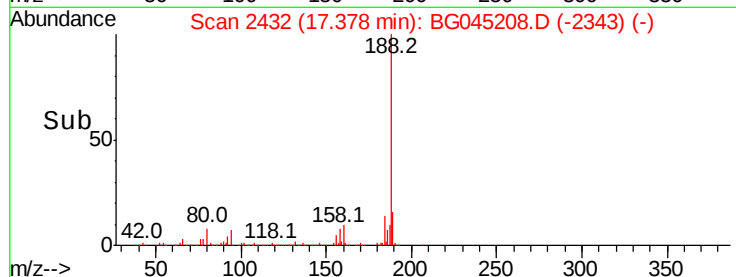
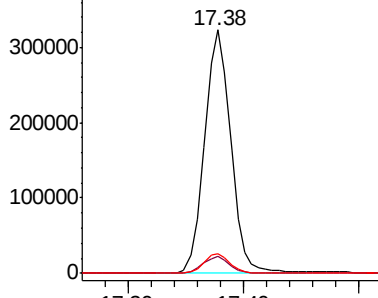
80 8.0 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.693 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.44 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

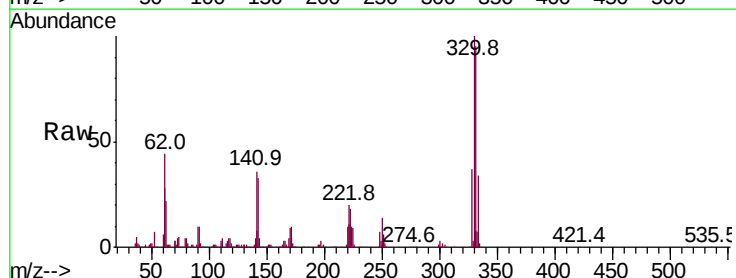
Tgt Ion:248 Resp: 30880

Ion Ratio Lower Upper

248 100

250 200.5 75.4 113.2#

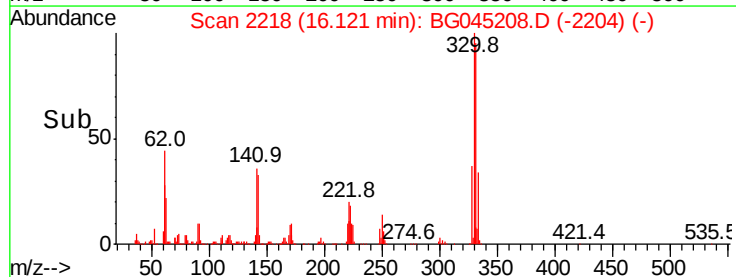
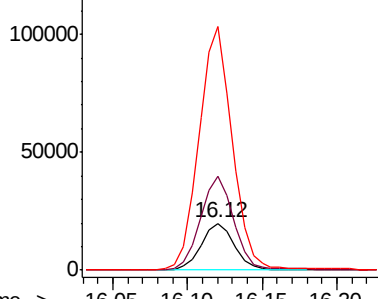
141 523.2 54.4 81.6#

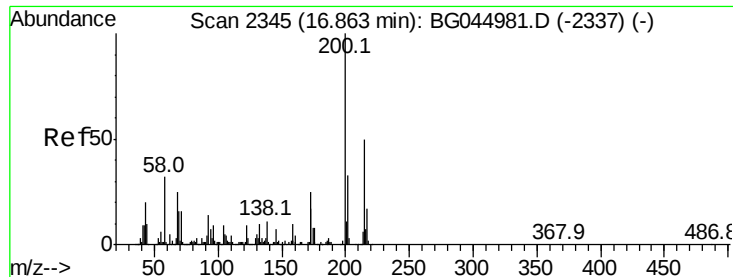


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.84 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Instrument :

BNA_G

ClientSampleId :

PB128554BL

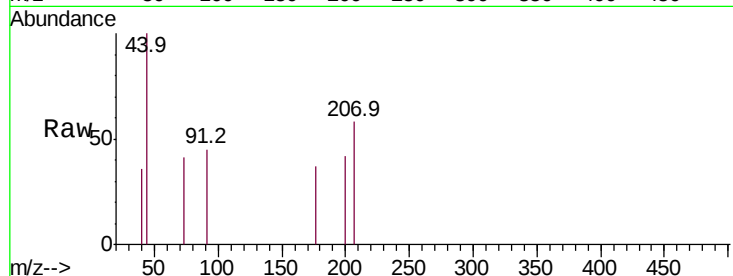
Tot Ion:200 Resp: 62

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

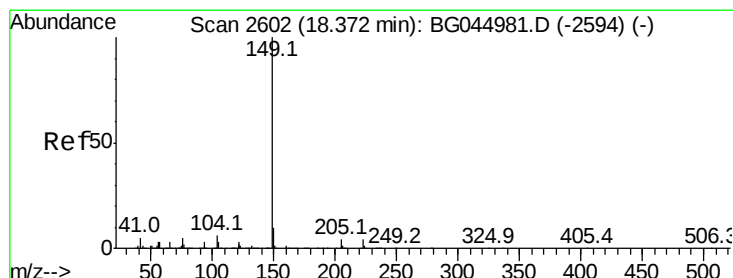
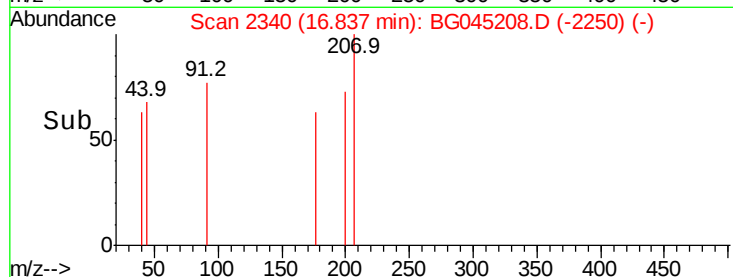
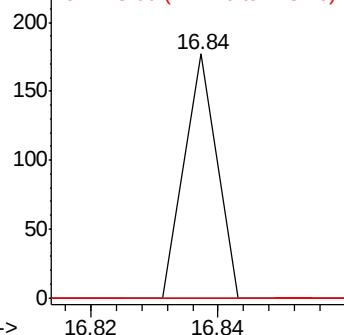
215 0.0 30.0 70.0#



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: 18.35 min Scan# 2598

Delta R.T. 0.01 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

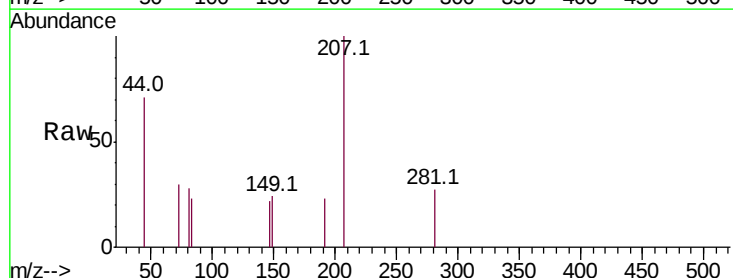
Tgt Ion:149 Resp: 60

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

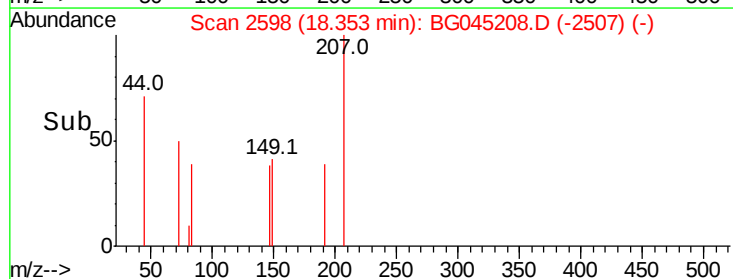
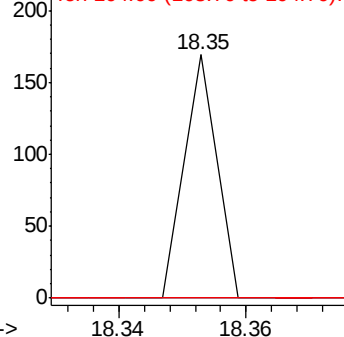
104 0.0 4.8 7.2#

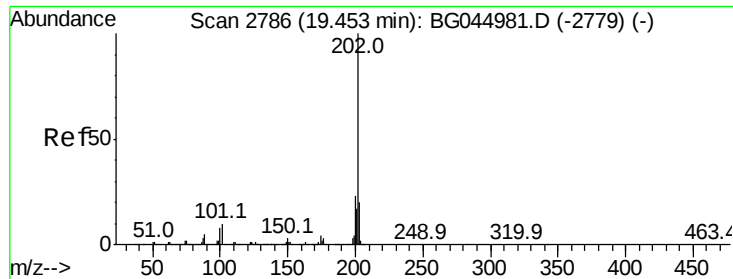


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

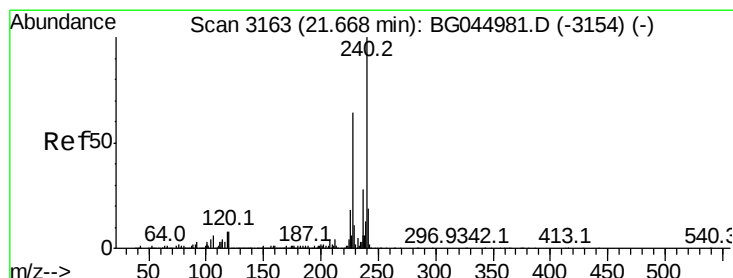
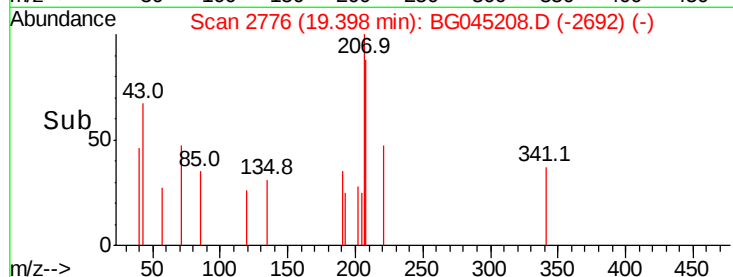
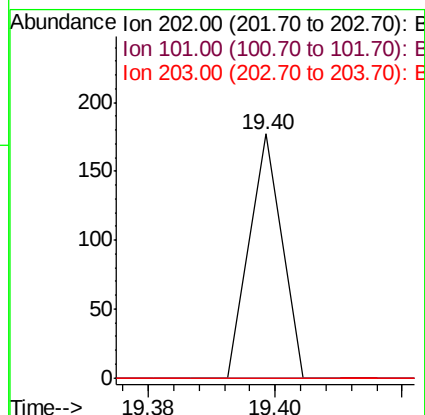
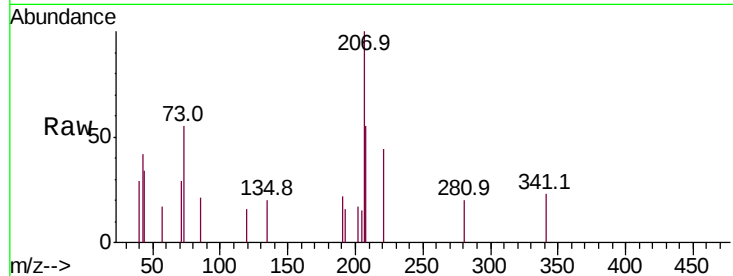




#75
Fluoranthene
Concen: Below Cal
RT: 19.40 min Scan# 2776
Delta R.T. -0.03 min
Lab File: BG045208.D
Acq: 29 Apr 2020 16:59

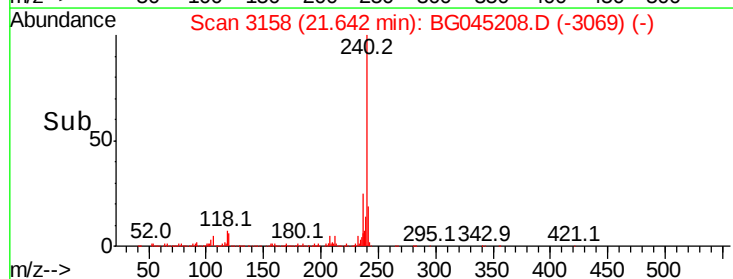
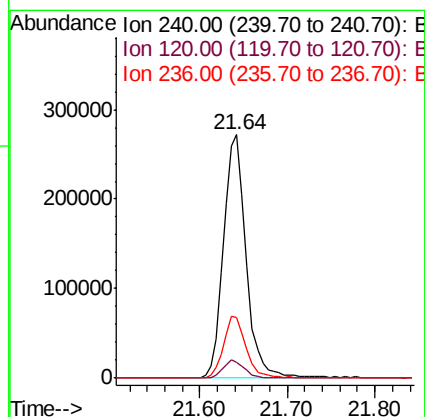
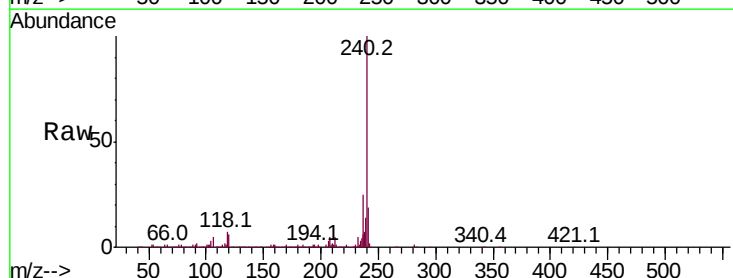
Instrument :
BNA_G
ClientSampleId :
PB128554BL

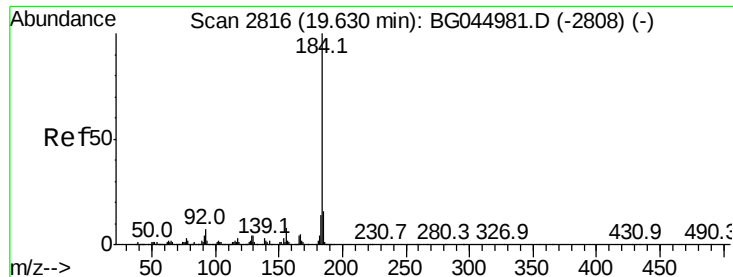
Tot Ion:	202	Resp:	62
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.00 min
Lab File: BG045208.D
Acq: 29 Apr 2020 16:59

Tgt Ion:	240	Resp:	487100
Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.6	10.0#
236	24.7	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

Instrument :

BNA_G

ClientSampleId :

PB128554BL

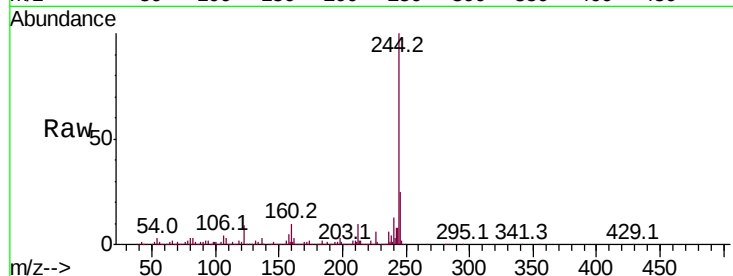
Tot Ion:184 Resp: 41912

Ion Ratio Lower Upper

184 100

185 15.3 12.6 19.0

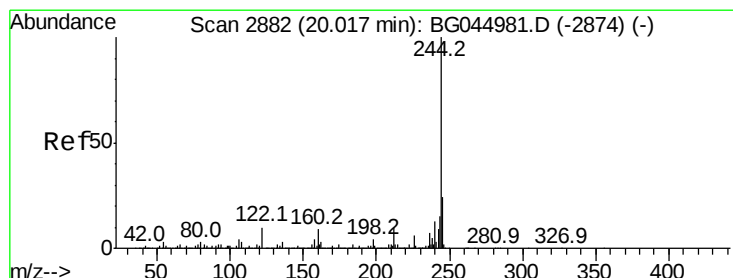
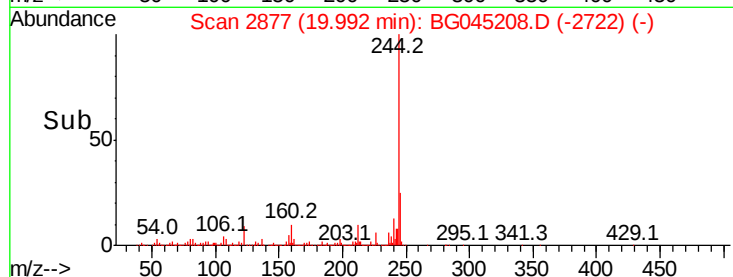
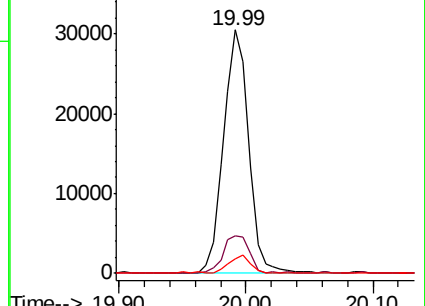
183 5.9 11.3 16.9#



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: 99.068 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045208.D

Acq: 29 Apr 2020 16:59

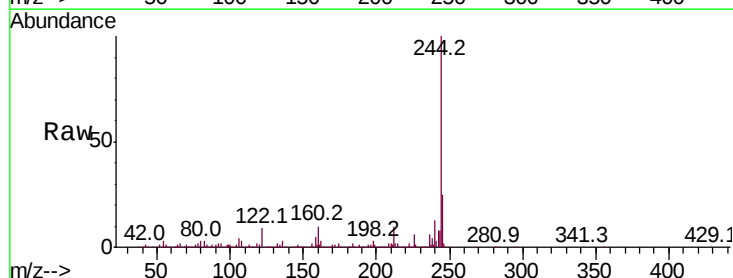
Tgt Ion:244 Resp: 2214012

Ion Ratio Lower Upper

244 100

212 10.0 7.9 11.9

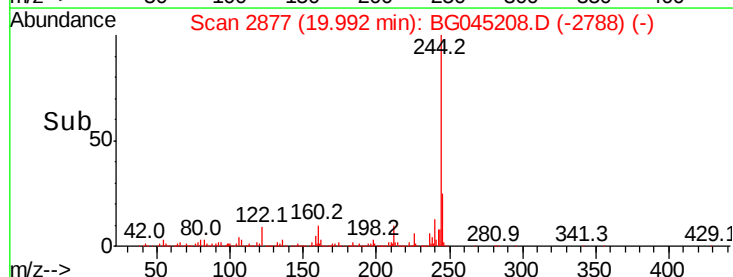
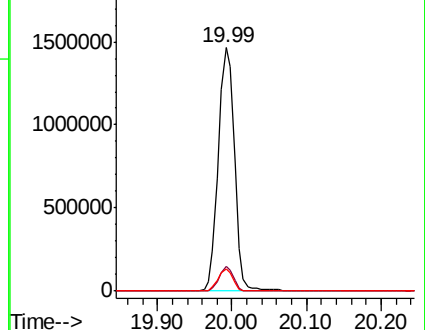
122 9.2 7.7 11.5

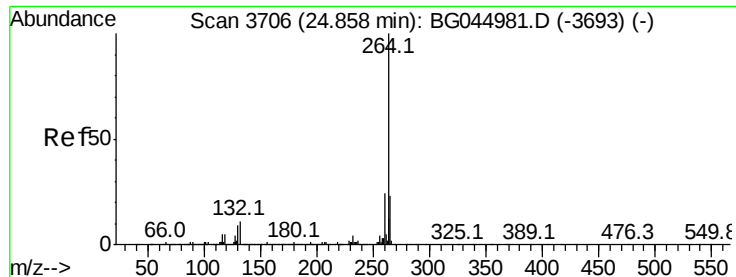


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.81 min Scan# 3698
Delta R.T. -0.00 min
Lab File: BG045208.D
Acq: 29 Apr 2020 16:59

Instrument :
BNA_G
ClientSampleId :
PB128554BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.1	19.0	28.4

