

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050720\
 Data File : BG045268.D
 Acq On : 7 May 2020 14:03
 Operator : CG/JU
 Sample : PB128287TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128711TB

Quant Time: May 07 14:46:20 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 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	53081	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	210205	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	158513	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	396631	20.00	ng	0.00
76) Chrysene-d12	21.64	240	392012	20.00	ng	0.00
87) Perylene-d12	24.81	264	411430	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	449584	139.83	ng	0.00
7) Phenol-d6	7.15	99	642472	134.49	ng	0.00
23) Nitrobenzene-d5	9.14	82	460640	99.99	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	373645	152.58	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1102951	102.03	ng	0.00
79) Terphenyl-d14	19.99	244	2031545	112.95	ng	0.00

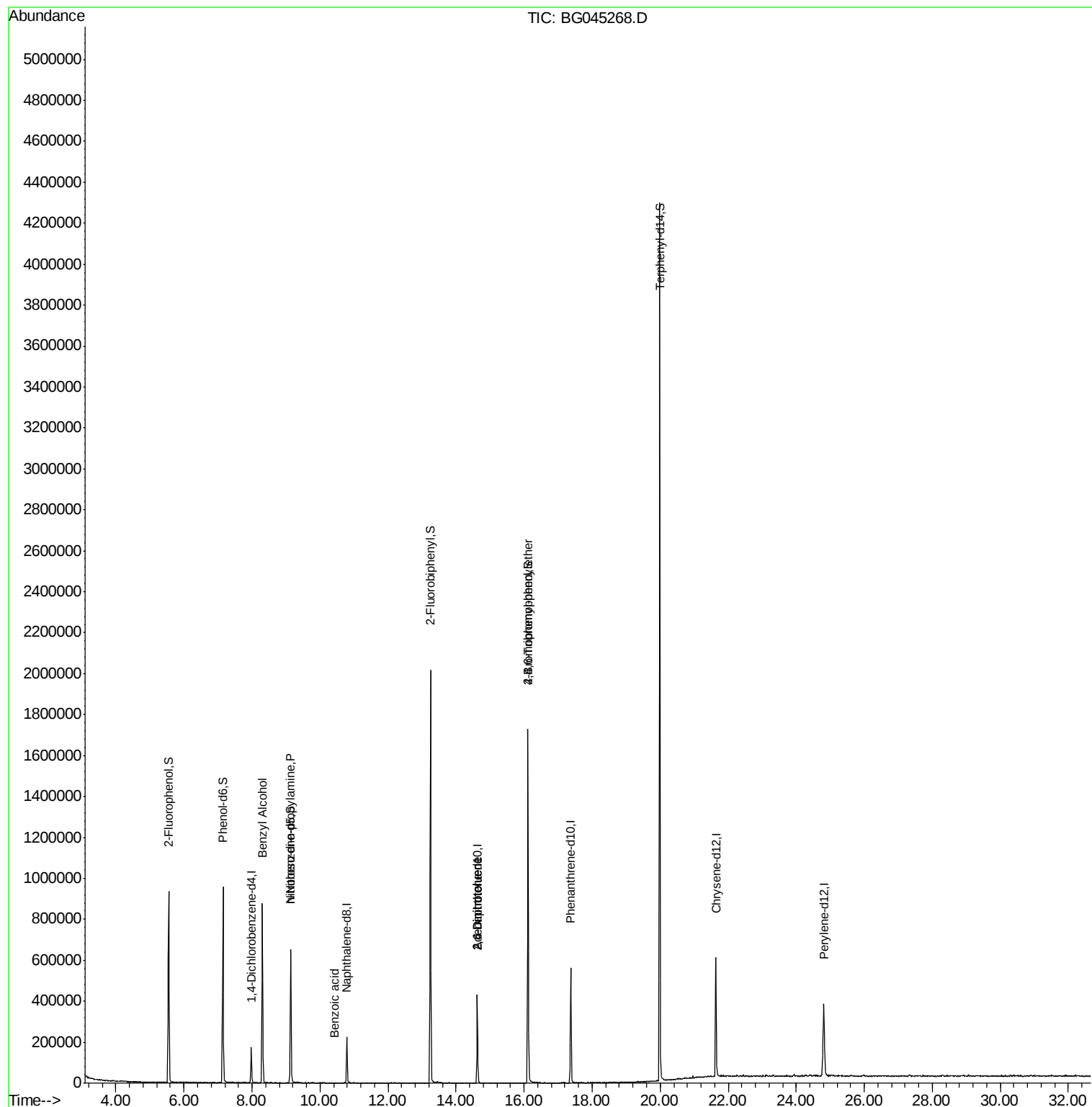
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1226	Below Cal	#	4
15) Benzyl Alcohol	8.30	79	8039	2.007 ng	#	66
19) n-Nitroso-di-n-propylamine	9.14	70	61193	18.114 ng	#	77
32) Benzoic acid	10.43	122	55	6.392 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	20999	7.274 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	20999	4.977 ng	#	22
67) 4-Bromophenyl-phenylether	16.11	248	26570	5.193 ng	#	1
69) Atrazine	16.87	200	78	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	84	Below Cal	#	76
75) Fluoranthene	19.45	202	71	Below Cal	#	62
77) Benzydine	19.99	184	38631	Below Cal	#	91

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

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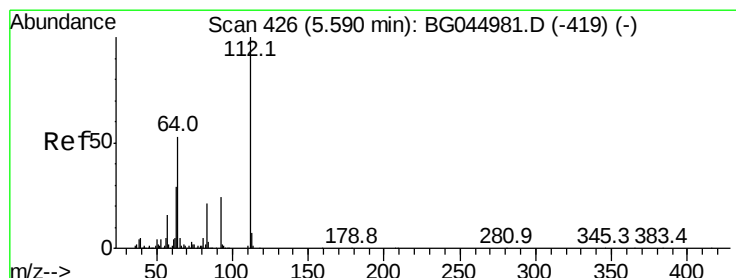
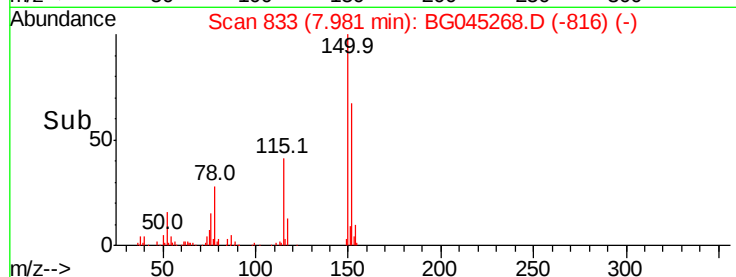
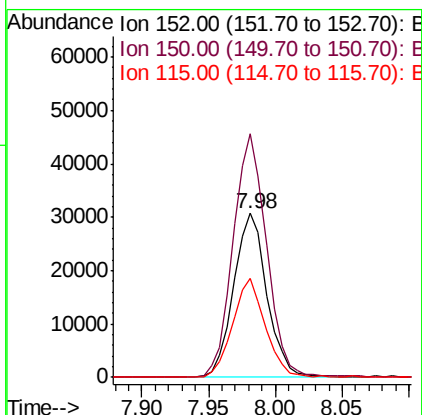
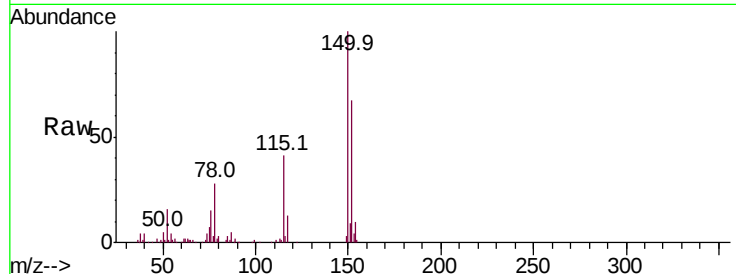


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045268.D
Acq: 7 May 2020 14:03

Instrument :
BNA_G
ClientSampleId :
PB128711TB

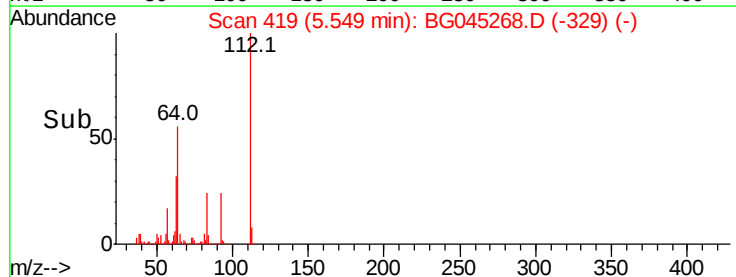
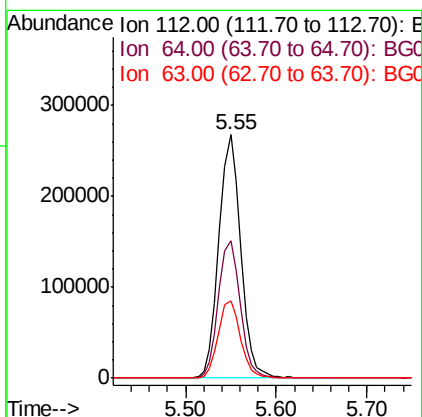
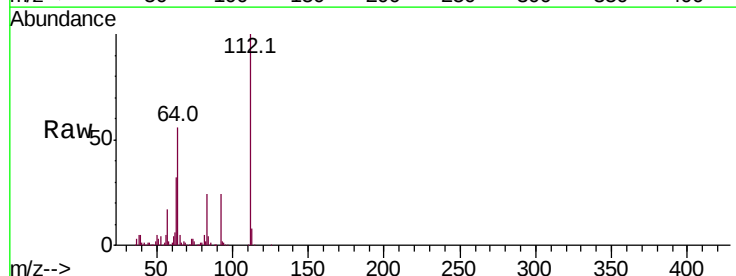
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	123.6	185.4
115	60.4	49.1	73.7



#5

2-Fluorophenol
Concen: 139.831 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045268.D
Acq: 7 May 2020 14:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	42.4	63.6
63	31.5	23.1	34.7





#7

Phenol-d6

Concen: 134.494 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

BNA_G

ClientSampleId :

PB128711TB

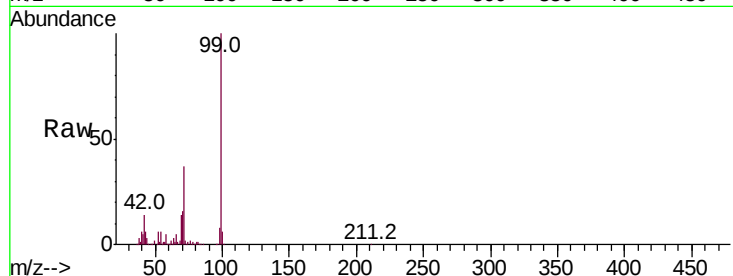
Tot Ion: 99 Resp: 642472

Ion Ratio Lower Upper

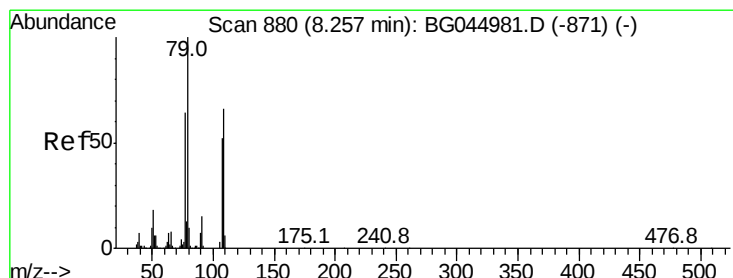
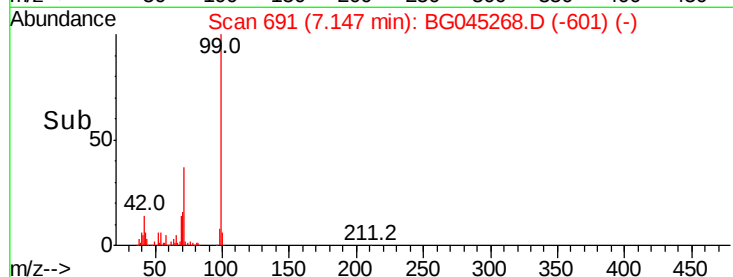
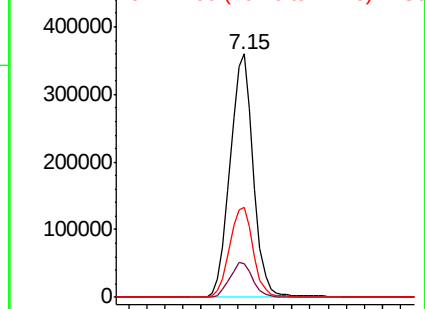
99 100

42 13.7 11.3 16.9

71 36.9 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



#15

Benzyl Alcohol

Concen: 2.007 ng

RT: 8.30 min Scan# 888

Delta R.T. 0.09 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

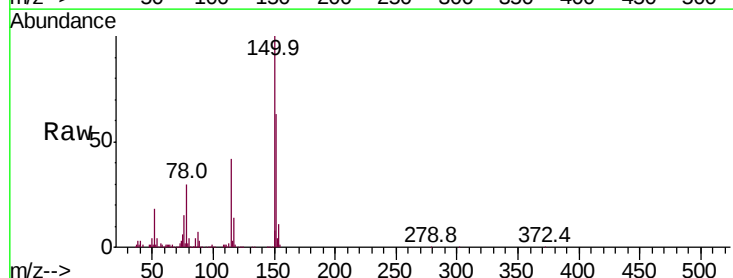
Tgt Ion: 79 Resp: 8039

Ion Ratio Lower Upper

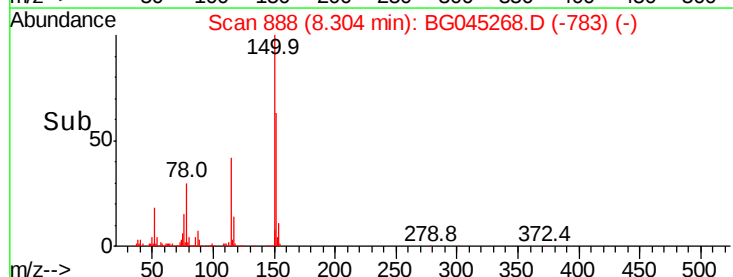
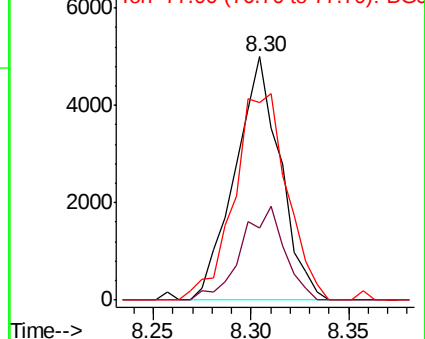
79 100

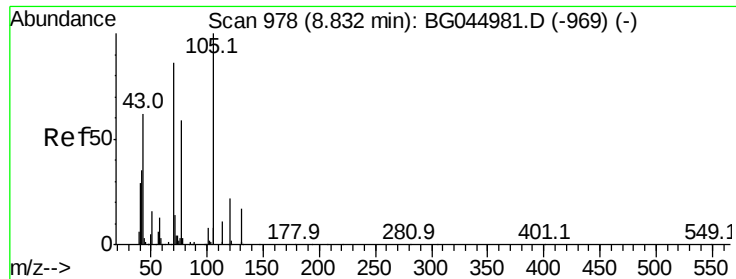
108 29.7 52.7 79.1#

77 80.9 51.3 76.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

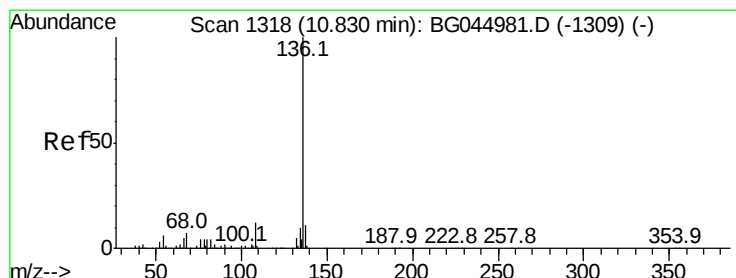
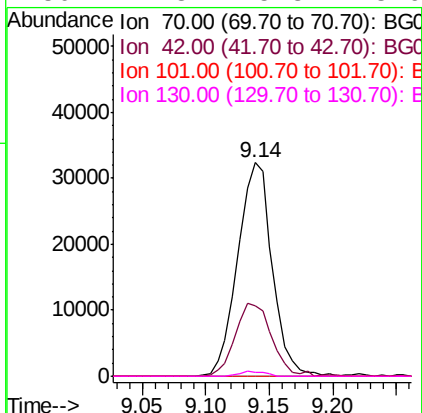
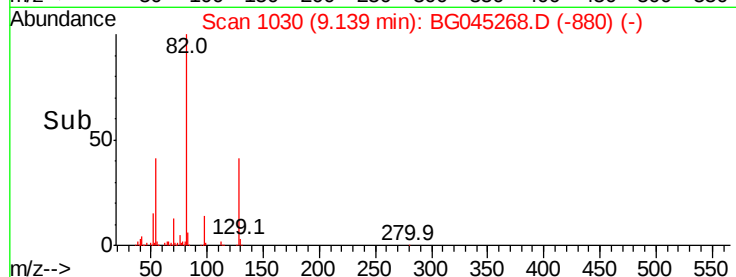
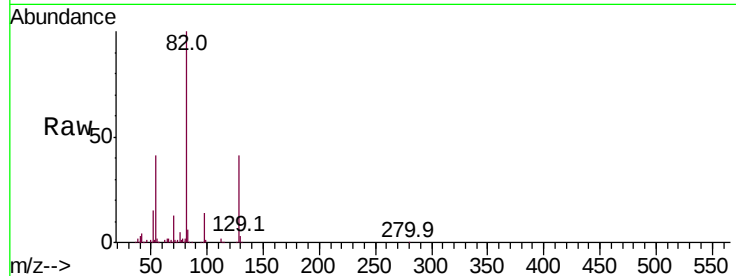




#19
n-Nitroso-di-n-propylamine
Concen: 18.114 ng
RT: 9.14 min Scan# 1030
Delta R.T. 0.35 min
Lab File: BG045268.D
Acq: 7 May 2020 14:03

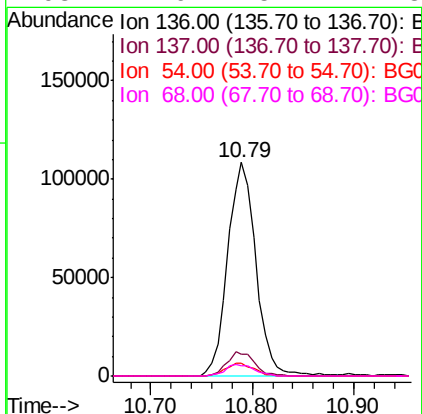
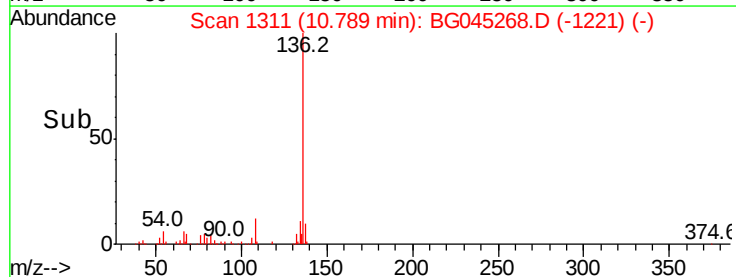
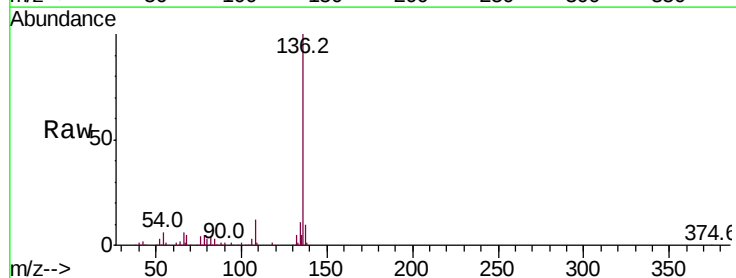
Instrument :
BNA_G
ClientSampleId :
PB128711TB

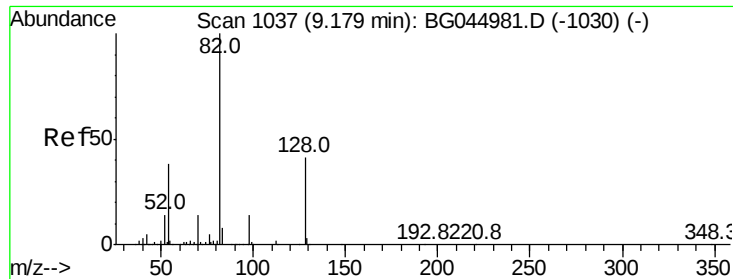
Tot Ion: 70 Resp: 61193
Ion Ratio Lower Upper
70 100
42 32.7 33.3 49.9#
101 0.0 7.8 11.8#
130 1.8 15.8 23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045268.D
Acq: 7 May 2020 14:03

Tgt Ion: 136 Resp: 210205
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 6.2 4.8 7.2
68 4.9 5.2 7.8#





#23

Nitrobenzene-d5

Concen: 99.990 ng

RT: 9.14 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

BNA_G

ClientSampleId :

PB128711TB

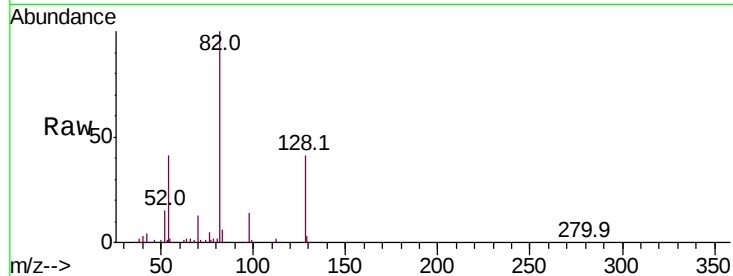
Tot Ion: 82 Resp: 460640

Ion Ratio Lower Upper

82 100

128 40.5 33.0 49.4

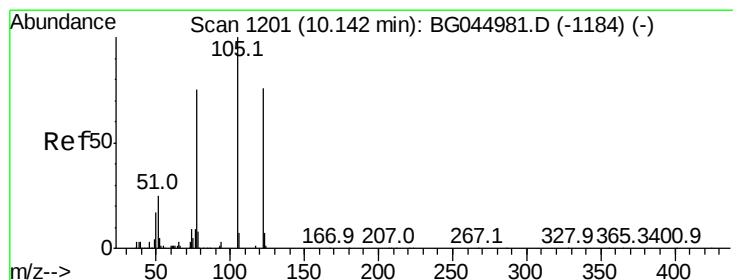
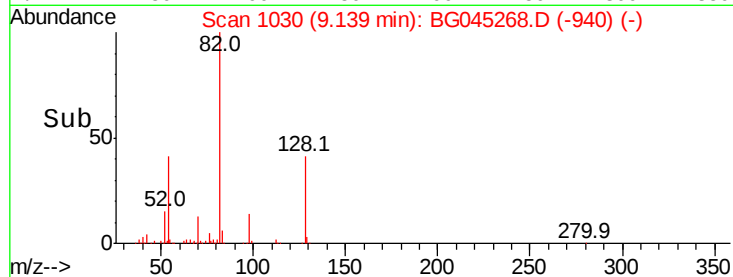
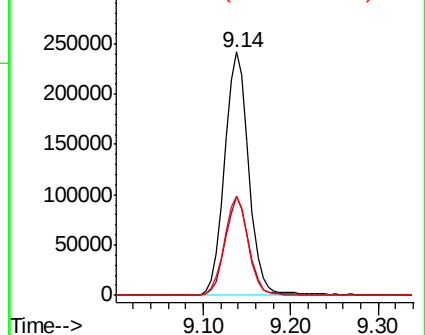
54 40.7 30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 6.392 ng

RT: 10.43 min Scan# 1250

Delta R.T. 0.32 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

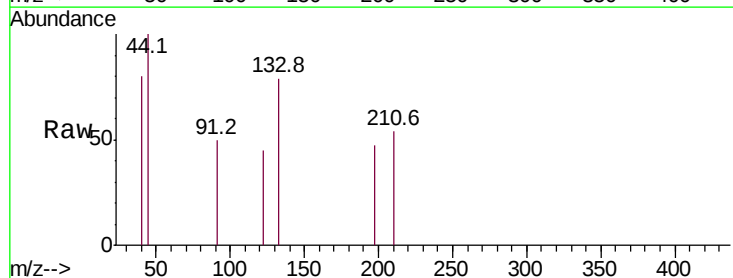
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

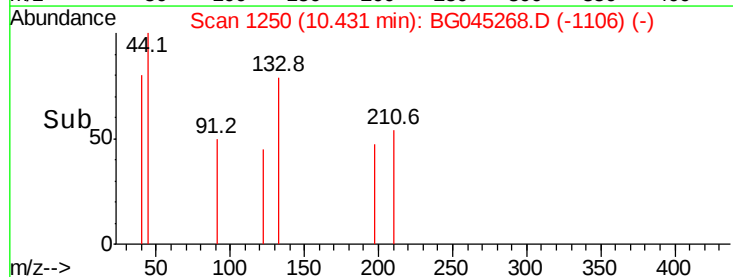
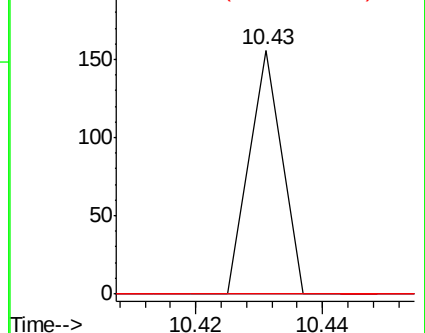
77 0.0 78.8 118.8#

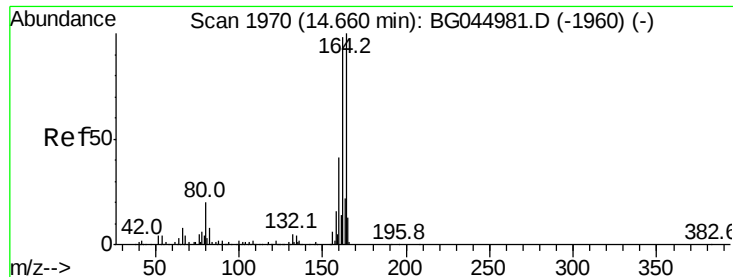


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

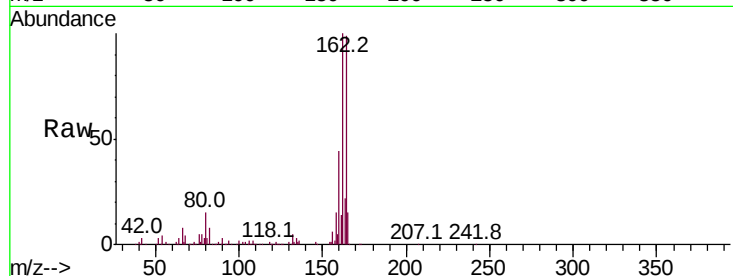
BNA_G

ClientSampled :

PB128711TB

Tot Ion:164 Resp: 158513

Ion	Ratio	Lower	Upper
164	100		
162	100.9	78.7	118.1
160	44.0	32.8	49.2

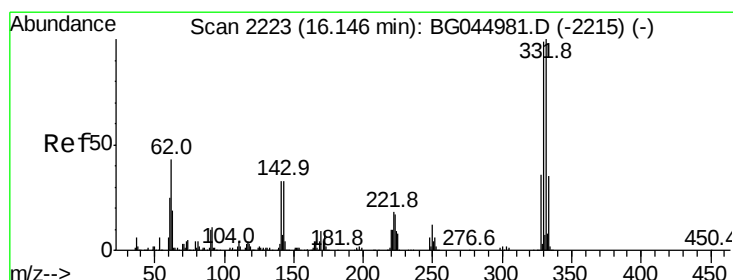
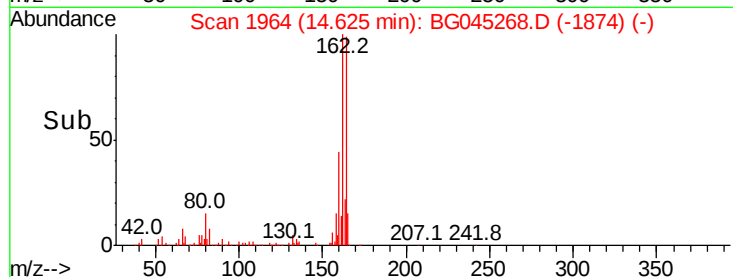
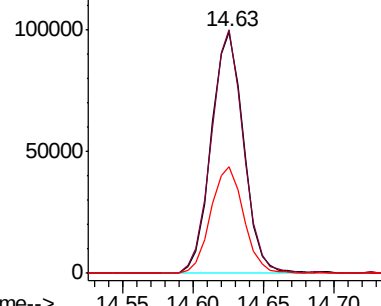


Abundance

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: 152.582 ng

RT: 16.12 min Scan# 2218

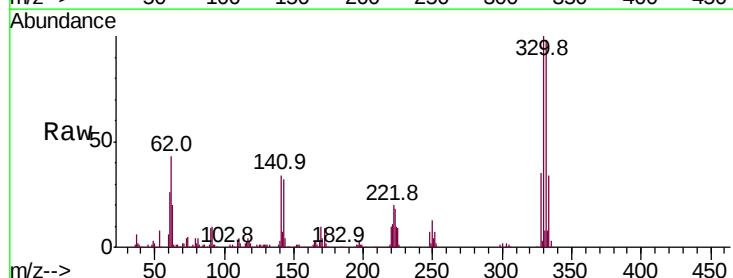
Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Tgt Ion:330 Resp: 373645

Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.1	118.7
141	35.5	27.1	40.7

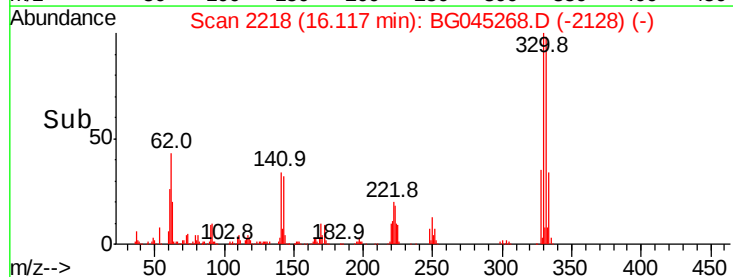
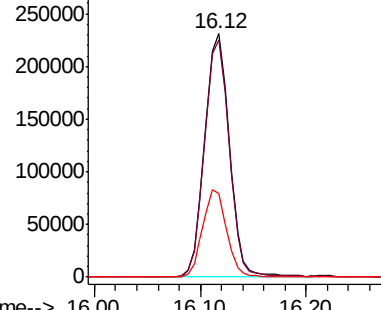


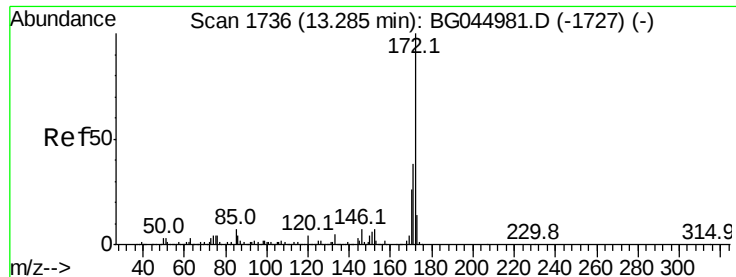
Abundance

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

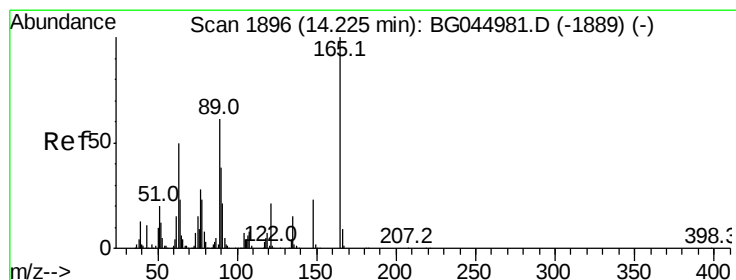
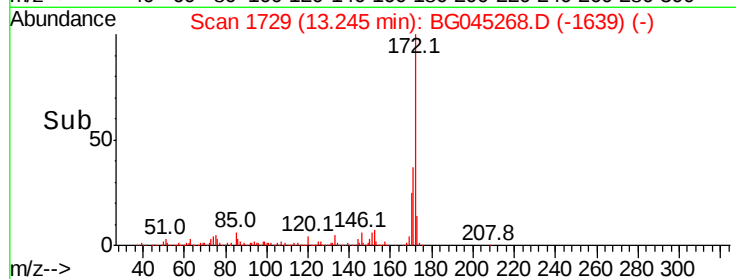
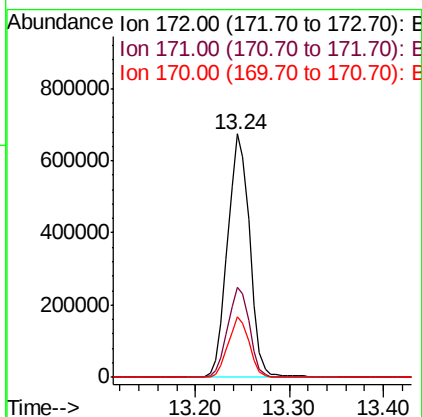
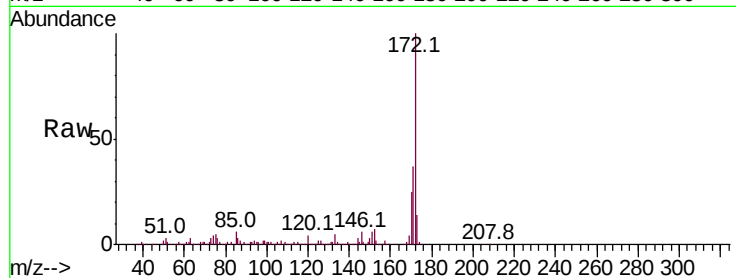




#45
2-Fluorobiphenyl
Concen: 102.028 ng
RT: 13.24 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045268.D
Acq: 7 May 2020 14:03

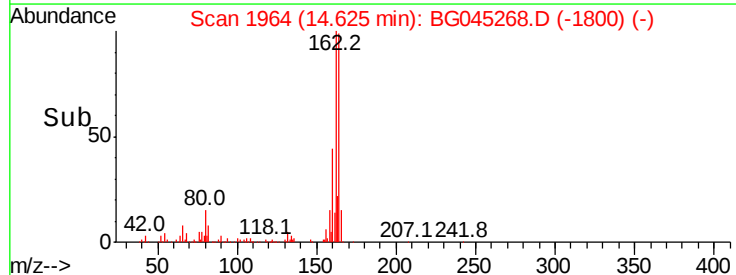
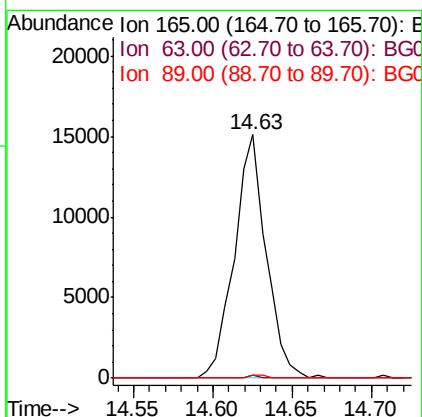
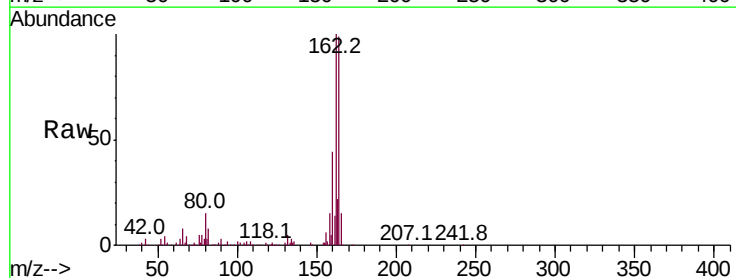
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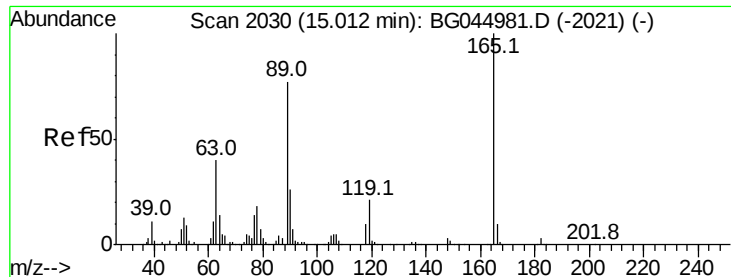
Tot Ion:172 Resp: 1102951
Ion Ratio Lower Upper
172 100
171 37.0 30.6 46.0
170 24.7 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.274 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG045268.D
Acq: 7 May 2020 14:03

Tgt Ion:165 Resp: 20999
Ion Ratio Lower Upper
165 100
63 1.2 40.4 60.6#
89 1.4 49.1 73.7#

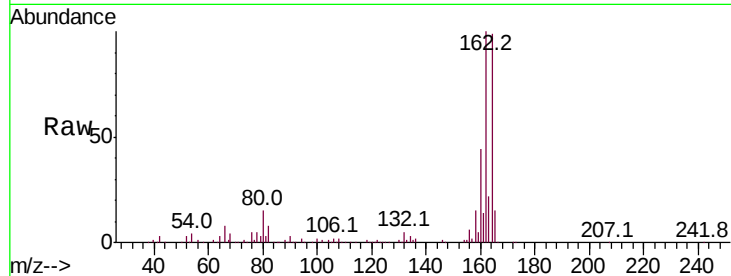




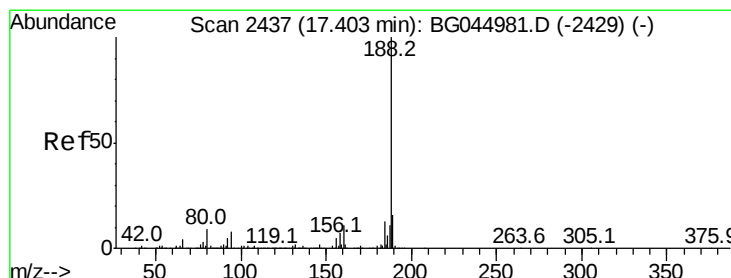
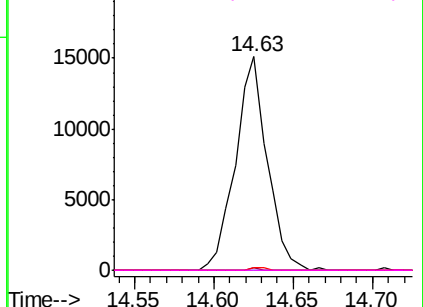
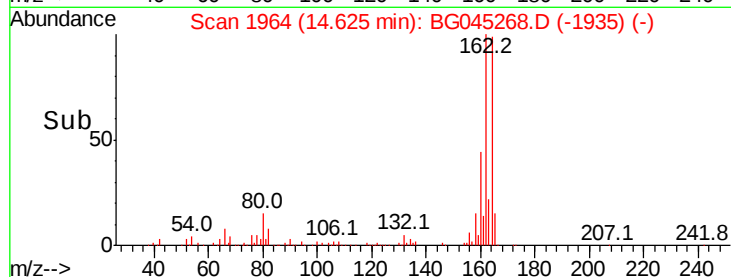
#57
 2,4-Dinitrotoluene
 Concen: 4.977 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.36 min
 Lab File: BG045268.D
 Acq: 7 May 2020 14:03

Instrument :
 BNA_G
 ClientSampleId :
 PB128711TB

Tot Ion:165 Resp: 20999
 Ion Ratio Lower Upper
 165 100
 63 1.2 32.2 48.2#
 89 1.4 61.7 92.5#
 182 0.0 2.0 3.0#

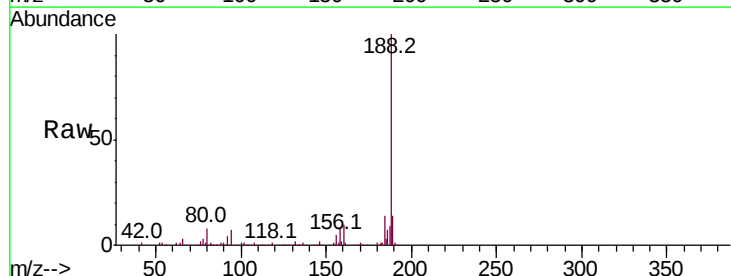


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

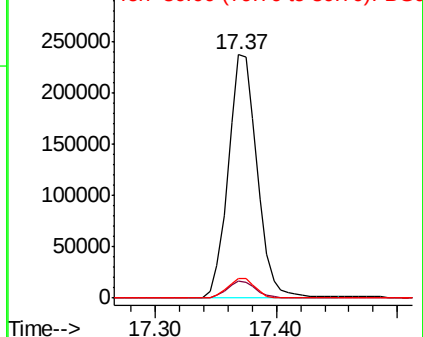
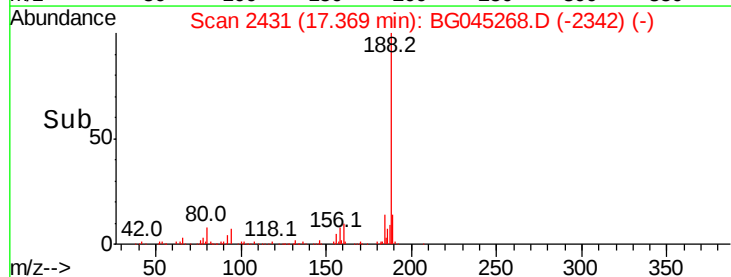


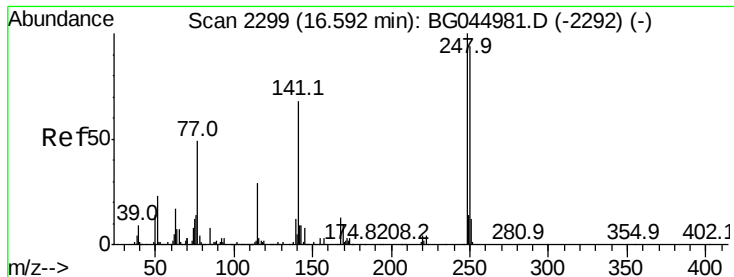
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.01 min
 Lab File: BG045268.D
 Acq: 7 May 2020 14:03

Tgt Ion:188 Resp: 396631
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.2 9.4
 80 8.1 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: 5.193 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

BNA_G

ClientSampleId :

PB128711TB

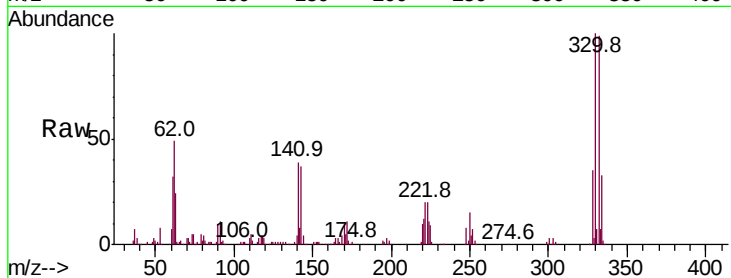
Tot Ion:248 Resp: 26570

Ion Ratio Lower Upper

248 100

250 178.2 75.4 113.2#

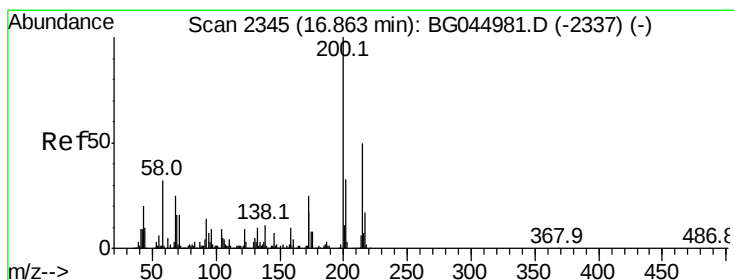
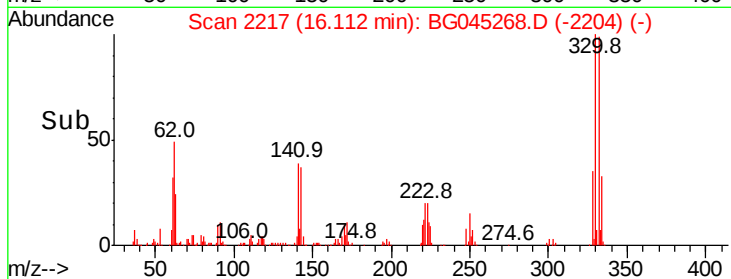
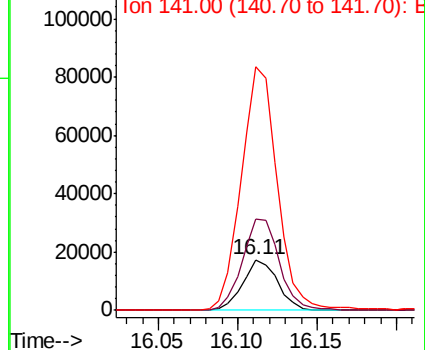
141 478.3 54.4 81.6#



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: 16.87 min Scan# 2346

Delta R.T. 0.04 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

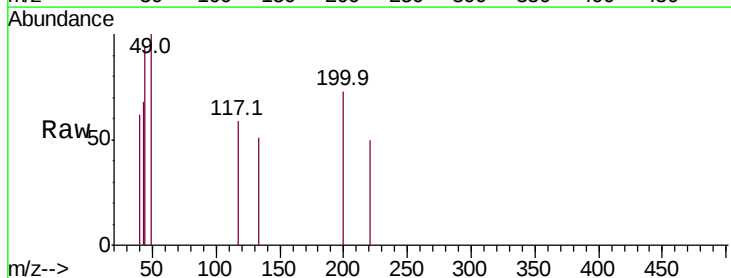
Tgt Ion:200 Resp: 78

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

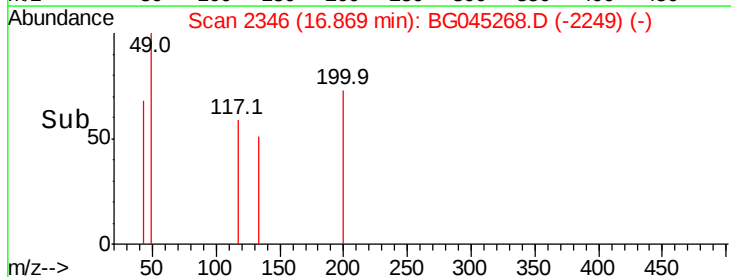
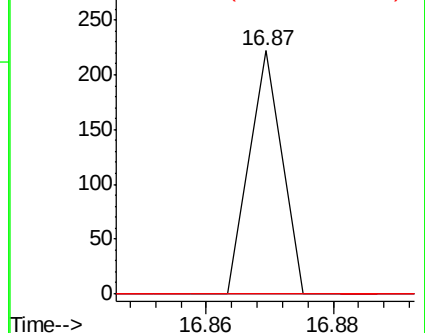
215 0.0 30.0 70.0#

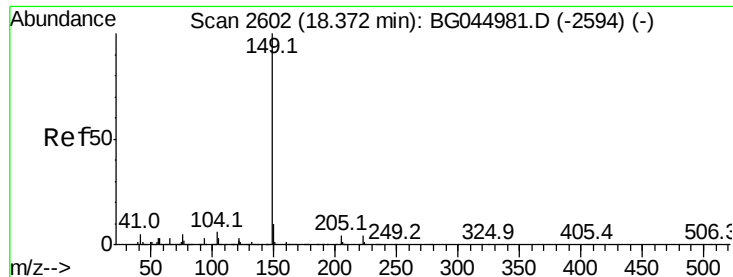


Abundance Ion 200.00 (199.70 to 200.70): E

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# 2597

Delta R.T. 0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

BNA_G

ClientSampleId :

PB128711TB

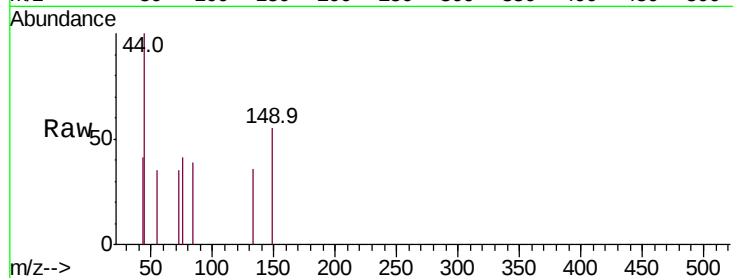
Tot Ion:149 Resp: 84

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

18.34

250

200

150

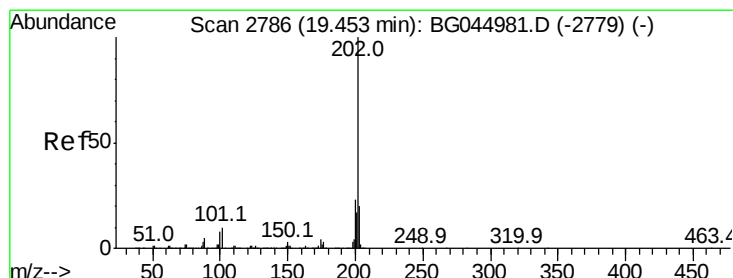
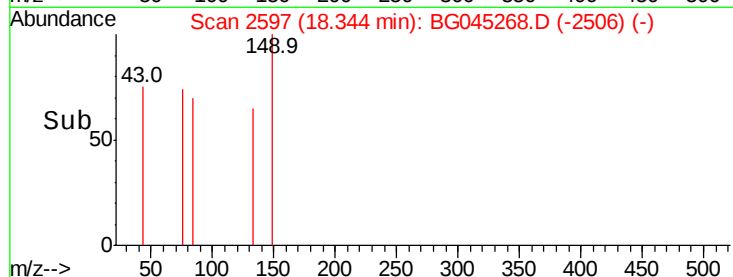
100

50

0

18.34 18.36

Time-->



#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2786

Delta R.T. 0.03 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

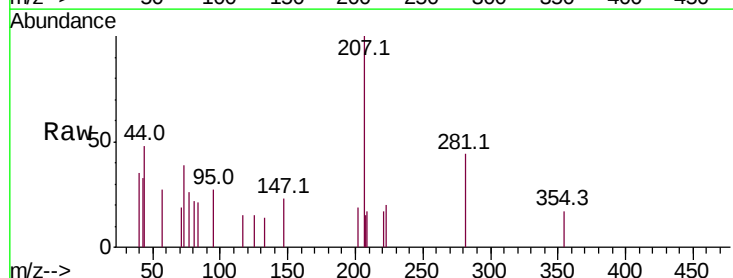
Tgt Ion:202 Resp: 71

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

19.45

250

200

150

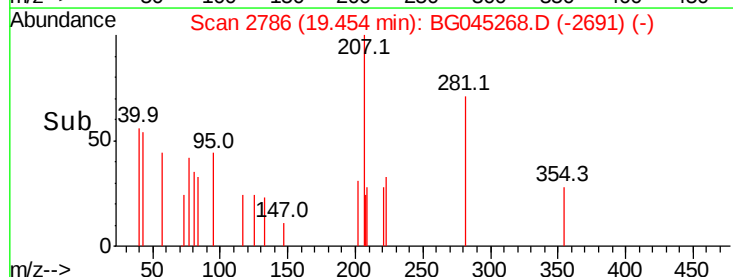
100

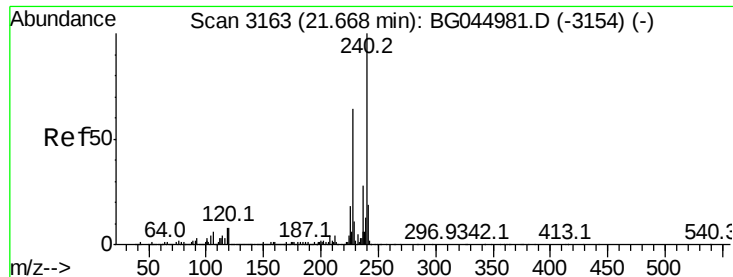
50

0

19.44 19.46

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

BNA_G

ClientSampleId :

PB128711TB

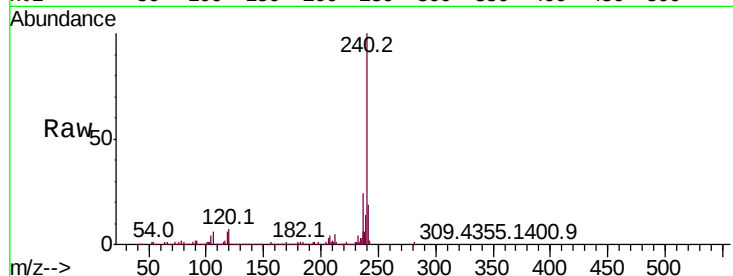
Tot Ion:240 Resp: 392012

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

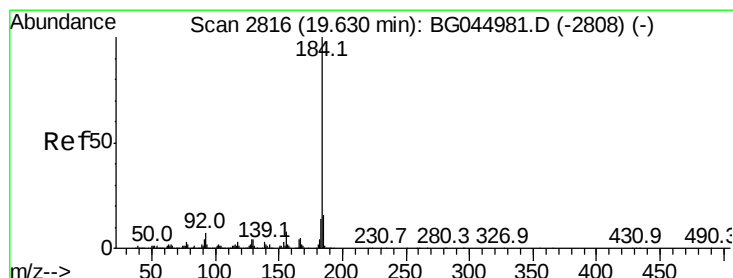
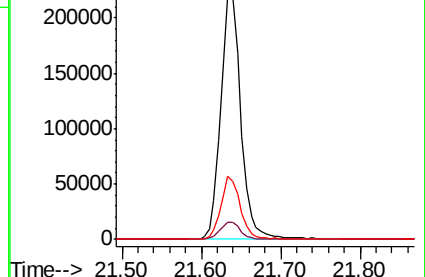
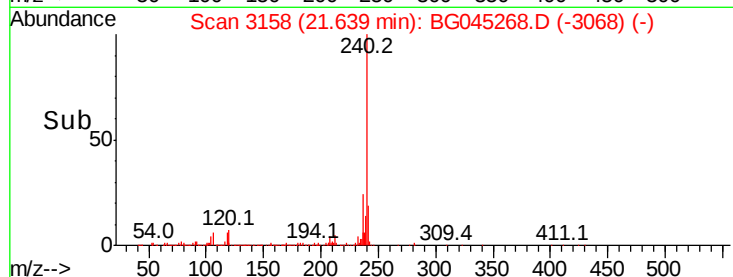
236 23.6 22.2 33.2



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: 19.99 min Scan# 2877

Delta R.T. 0.39 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

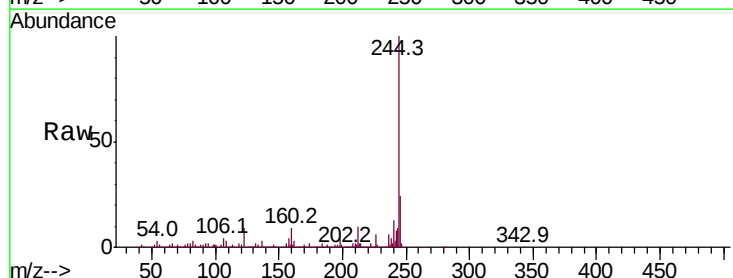
Tgt Ion:184 Resp: 38631

Ion Ratio Lower Upper

184 100

185 15.7 12.6 19.0

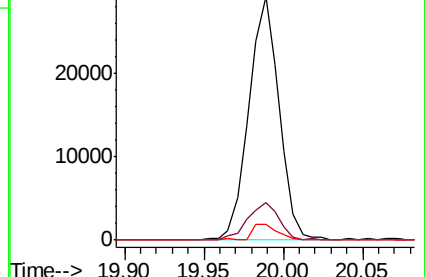
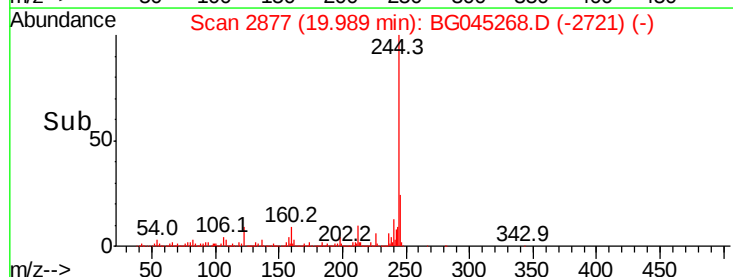
183 6.3 11.3 16.9#

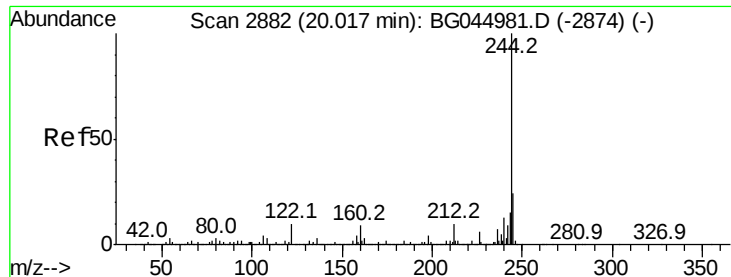


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 112.953 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

Instrument :

BNA_G

ClientSampleId :

PB128711TB

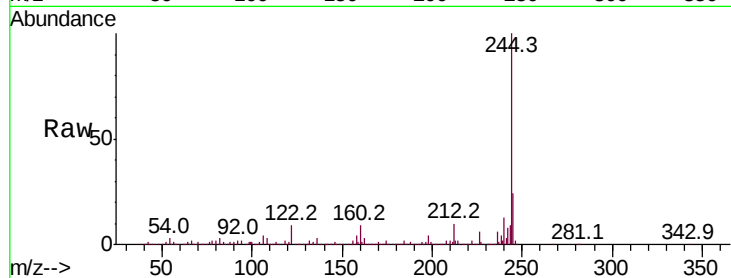
Tot Ion:244 Resp: 2031545

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.9	11.9
122	9.0	7.7	11.5

244 100

212 10.0 7.9 11.9

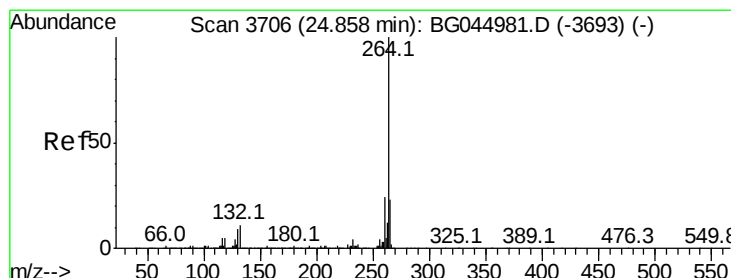
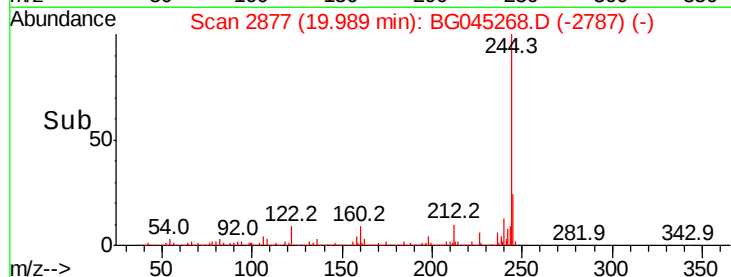
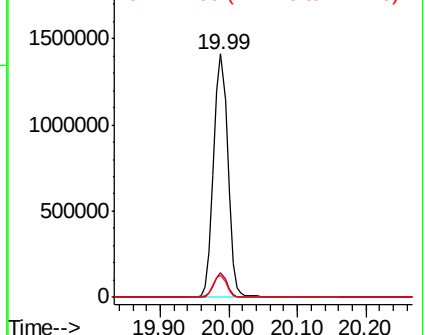
122 9.0 7.7 11.5



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: 24.81 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BG045268.D

Acq: 7 May 2020 14:03

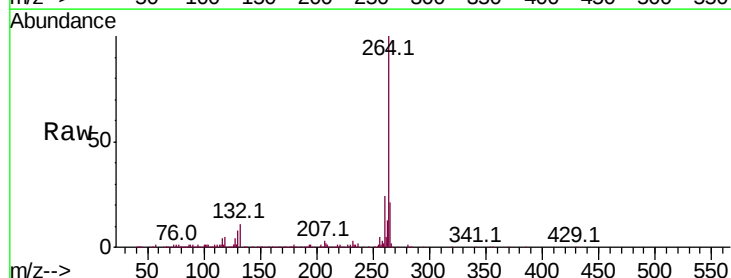
Tgt Ion:264 Resp: 411430

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.0	19.0	28.4

264 100

260 24.1 19.2 28.8

265 21.0 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

