

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050720\
 Data File : BG045269.D
 Acq On : 7 May 2020 14:42
 Operator : CG/JU
 Sample : L2515-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-18A

Quant Time: May 07 15:18:59 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	62322	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	241251	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	178942	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	418584	20.00	ng	0.00
76) Chrysene-d12	21.63	240	397473	20.00	ng	0.00
87) Perylene-d12	24.81	264	425115	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	438054	116.04	ng	0.00
7) Phenol-d6	7.15	99	569057	101.46	ng	0.00
23) Nitrobenzene-d5	9.14	82	486386	91.99	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	391441	141.60	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1147107	94.00	ng	0.00
79) Terphenyl-d14	19.99	244	2104573	115.41	ng	0.00

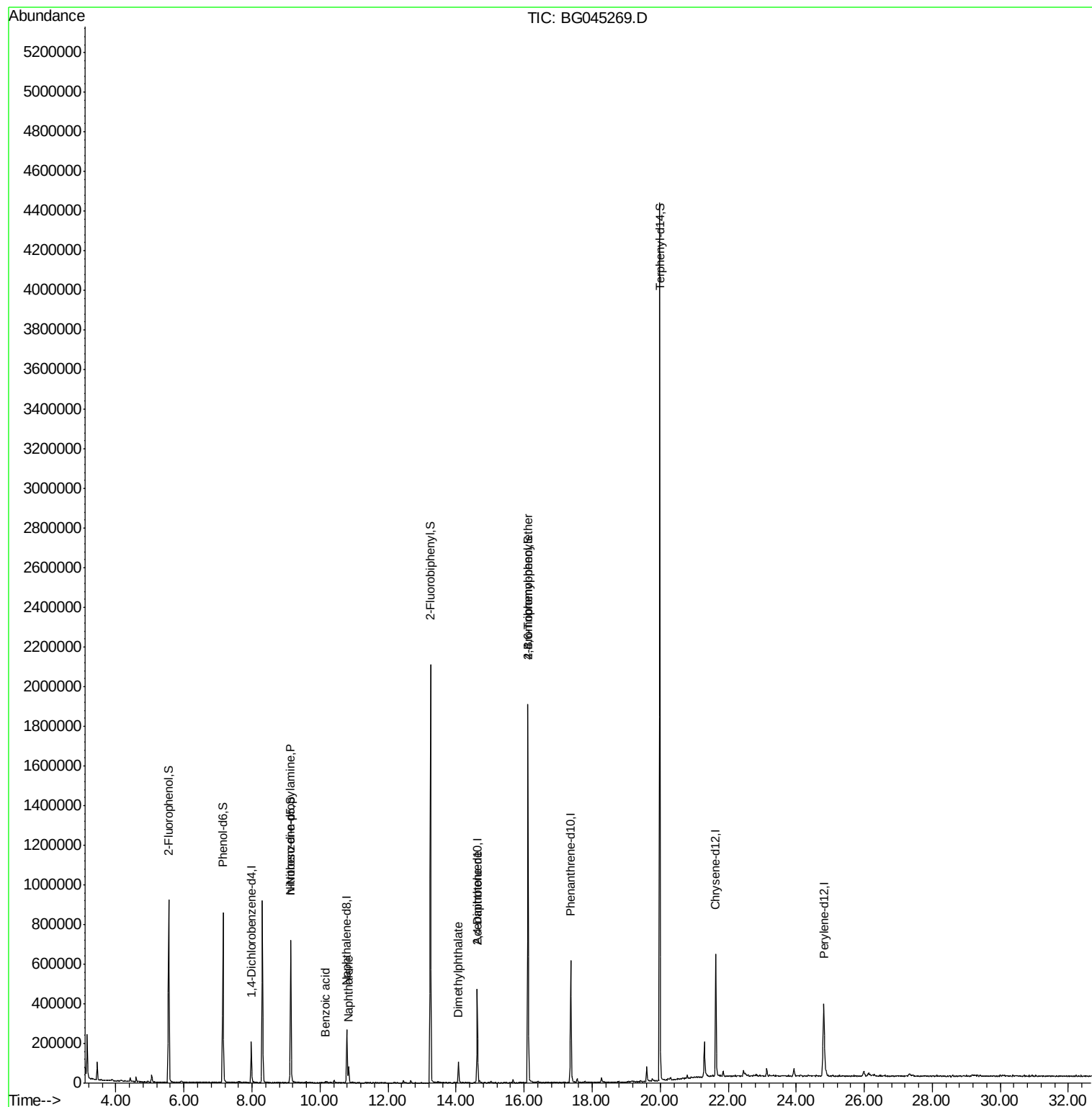
Target Compounds				Qvalue		
9) Benzaldehyde	7.12	77	256	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	67863	17.109 ng	#	81
31) Naphthalene	10.84	128	57312	4.343 ng		95
32) Benzoic acid	10.16	122	54	6.389 ng	#	1
50) Dimethylphthalate	14.07	163	75369	5.173 ng		97
57) 2,4-Dinitrotoluene	14.63	165	22373	4.698 ng	#	22
67) 4-Bromophenyl-phenylether	16.11	248	26849	4.972 ng	#	1
69) Atrazine	16.67	200	61	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	2081	Below Cal	#	86
75) Fluoranthene	19.43	202	3168	Below Cal		88
77) Benzydine	19.61	184	55229	Below Cal	#	90

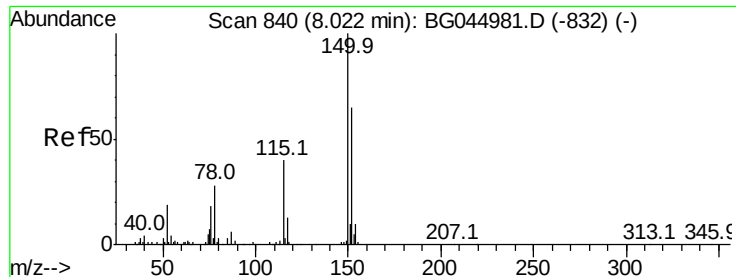
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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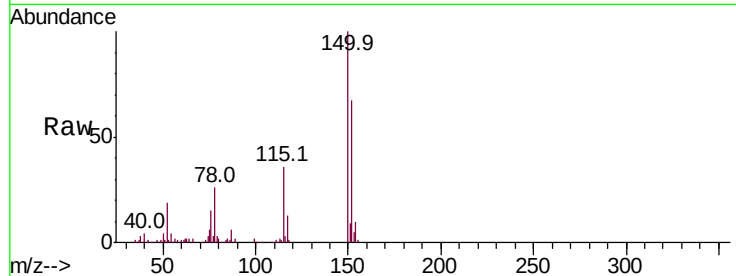


#1

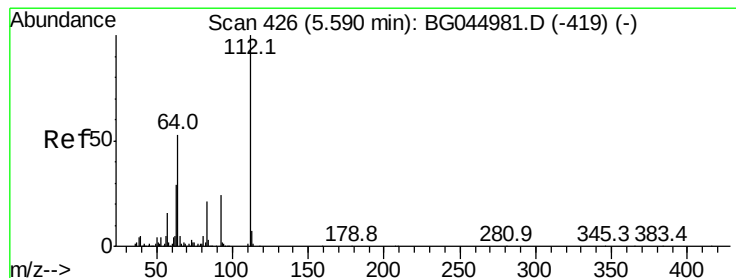
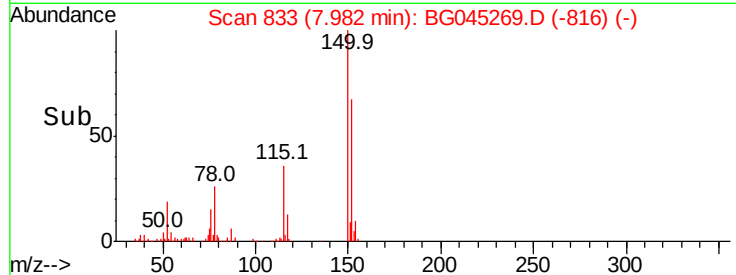
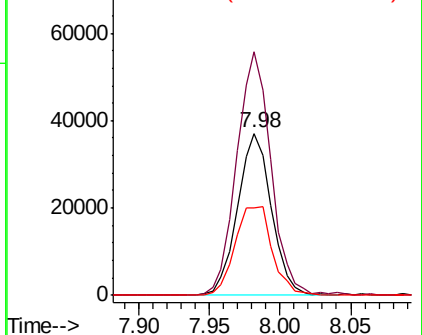
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045269.D
Acq: 7 May 2020 14:42

Instrument :
BNA_G
ClientSampleId :
TP-18A

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	123.6	185.4
115	54.1	49.1	73.7



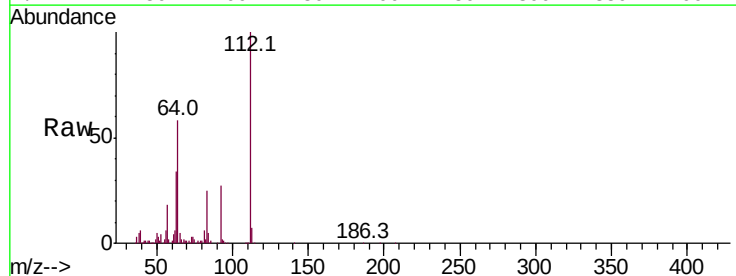
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



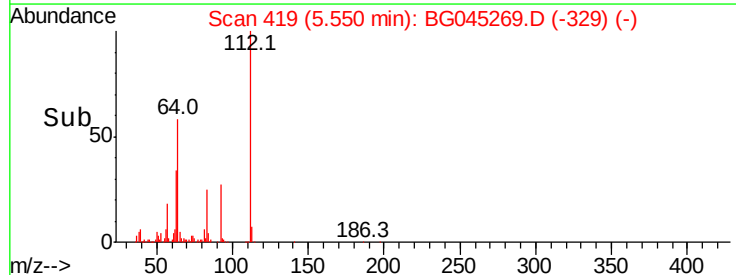
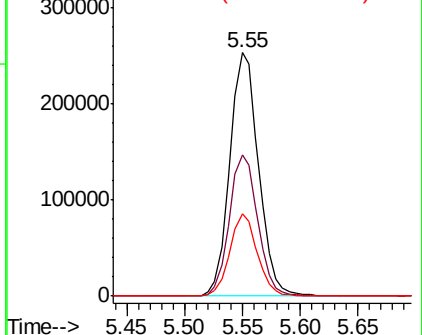
#5

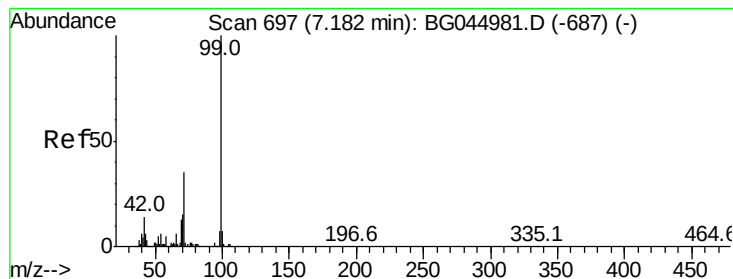
2-Fluorophenol
Concen: 116.043 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045269.D
Acq: 7 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.4	63.6
63	33.9	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 101.462 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

Instrument :

BNA_G

ClientSampleId :

TP-18A

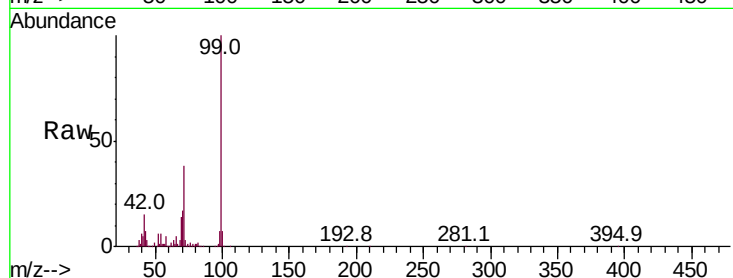
Tot Ion: 99 Resp: 569057

Ion Ratio Lower Upper

99 100

42 14.6 11.3 16.9

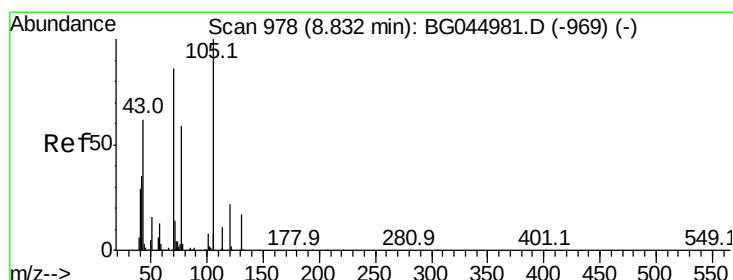
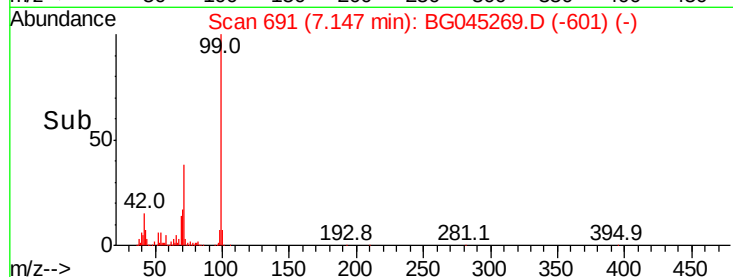
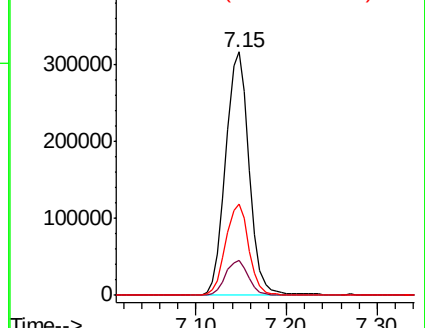
71 37.7 28.3 42.5



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: 17.109 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

Tgt Ion: 70 Resp: 67863

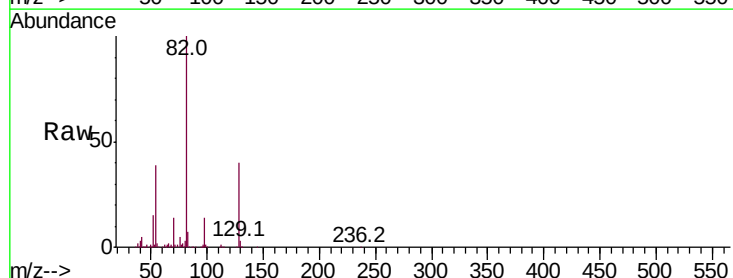
Ion Ratio Lower Upper

70 100

42 36.0 33.3 49.9

101 0.0 7.8 11.8#

130 2.3 15.8 23.6#

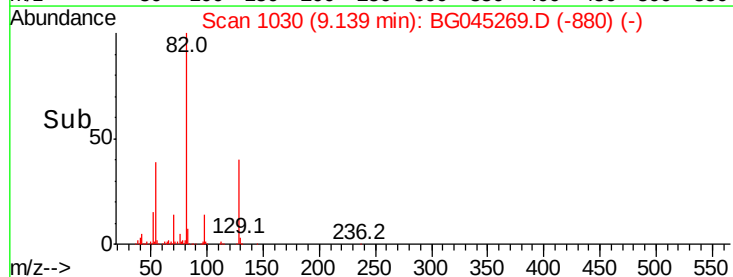
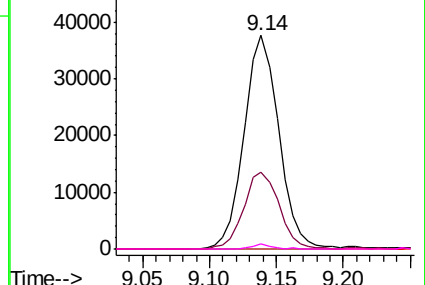


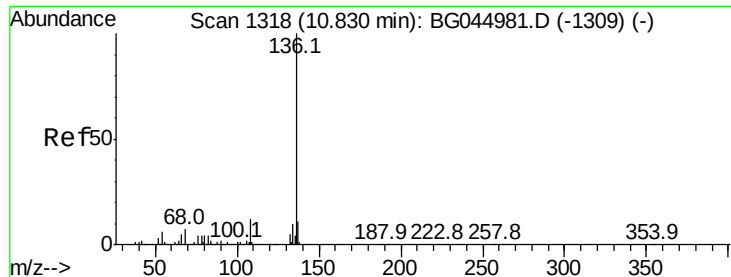
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

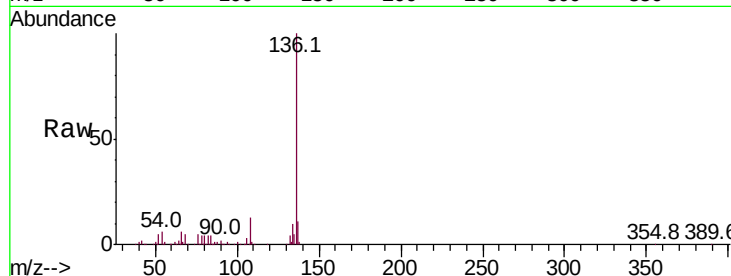




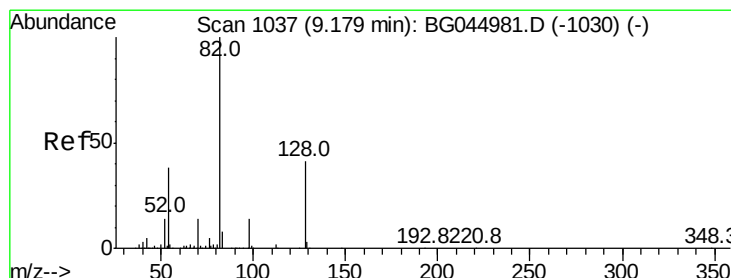
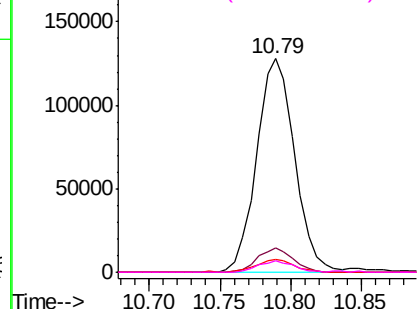
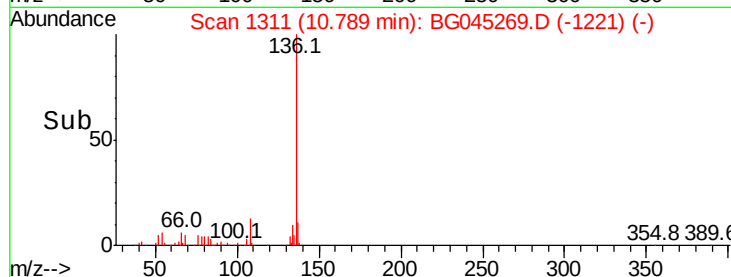
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045269.D
Acq: 7 May 2020 14:42

Instrument :
BNA_G
ClientSampleId :
TP-18A

Tot Ion:	136	Resp:	241251
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	6.2	4.8	7.2
68	5.5	5.2	7.8

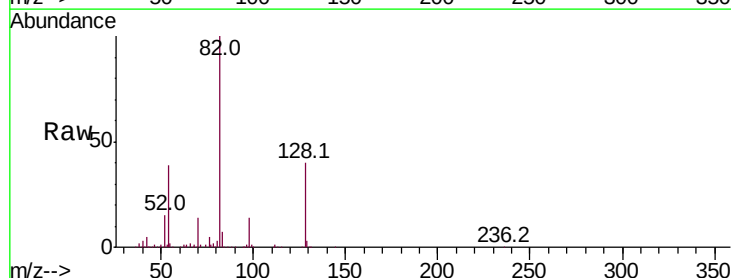


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

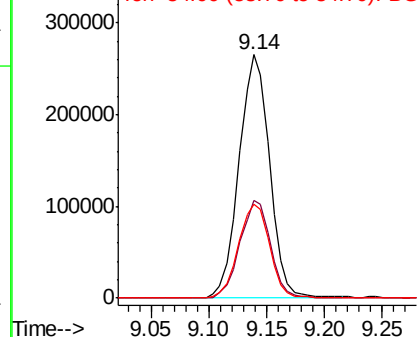
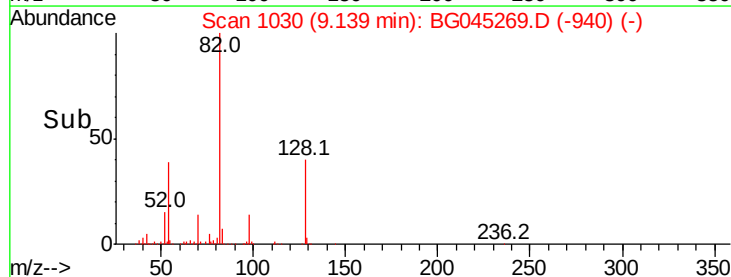


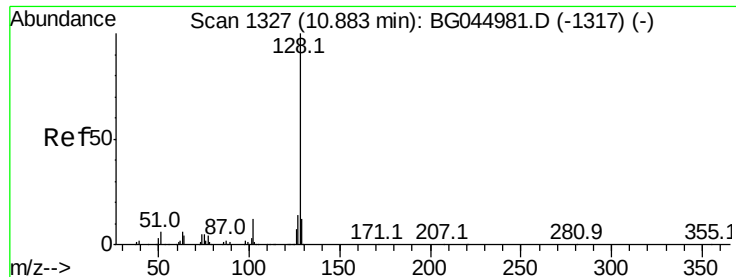
#23
Nitrobenzene-d5
Concen: 91.992 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045269.D
Acq: 7 May 2020 14:42

Tgt Ion:	82	Resp:	486386
Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.0	49.4
54	38.7	30.4	45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 4.343 ng

RT: 10.84 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

Instrument :

BNA_G

ClientSampleId :

TP-18A

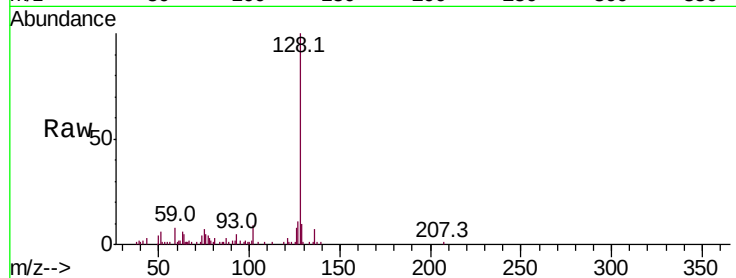
Tot Ion:128 Resp: 57312

Ion Ratio Lower Upper

128 100

129 9.9 9.4 14.2

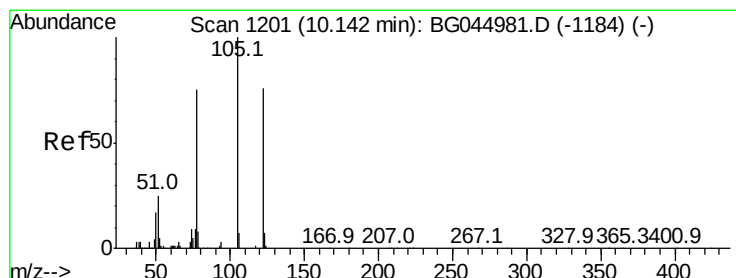
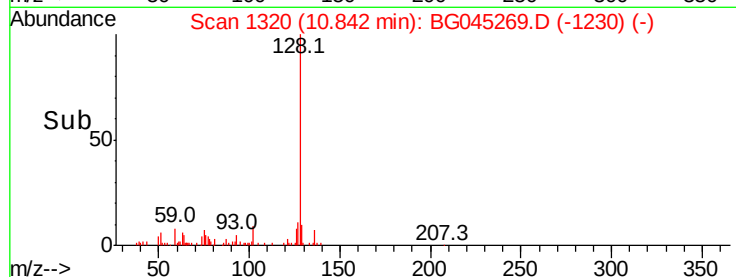
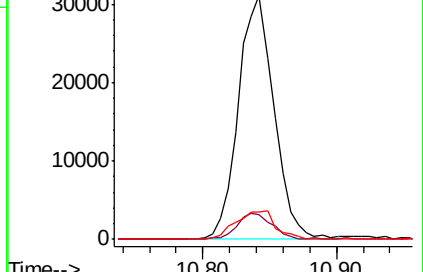
127 11.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.389 ng

RT: 10.16 min Scan# 1204

Delta R.T. 0.05 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

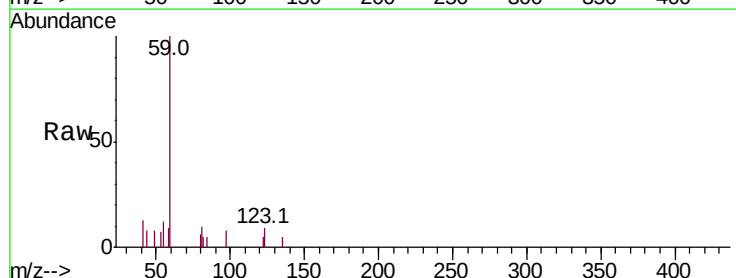
Tgt Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

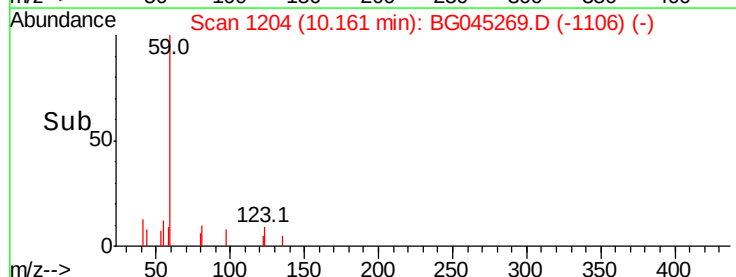
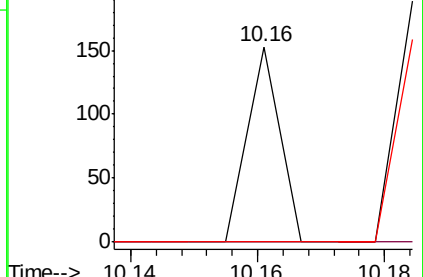
77 0.0 78.8 118.8#

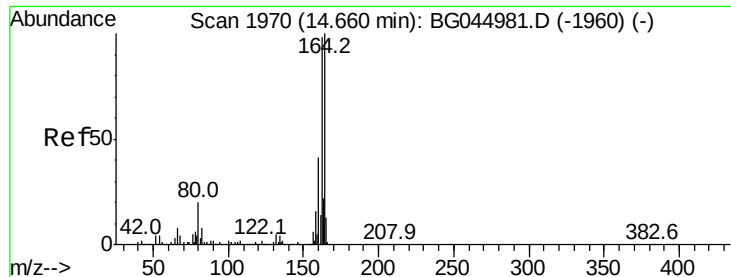


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

Instrument :

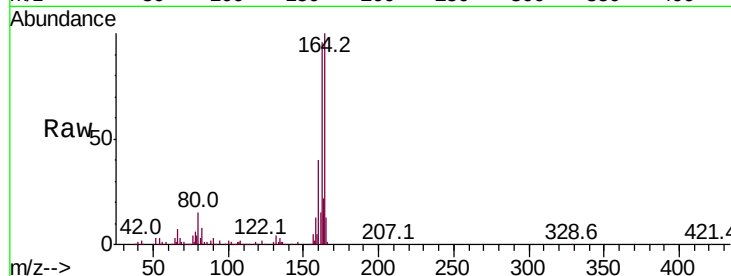
BNA_G

ClientSampleId :

TP-18A

Tot Ion:164 Resp: 178942

Ion	Ratio	Lower	Upper
164	100		
162	96.2	78.7	118.1
160	39.7	32.8	49.2

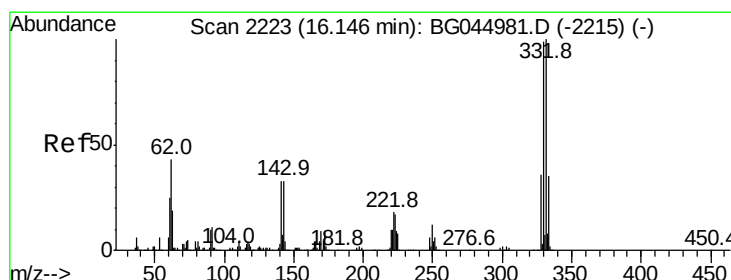
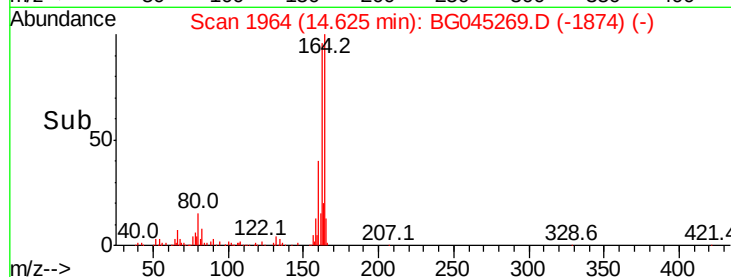
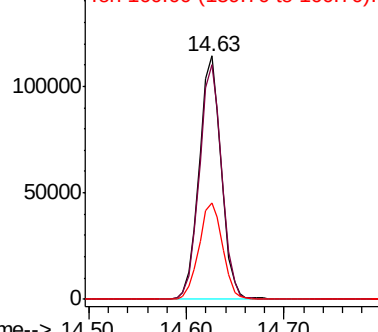


Abundance

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: 141.600 ng

RT: 16.12 min Scan# 2218

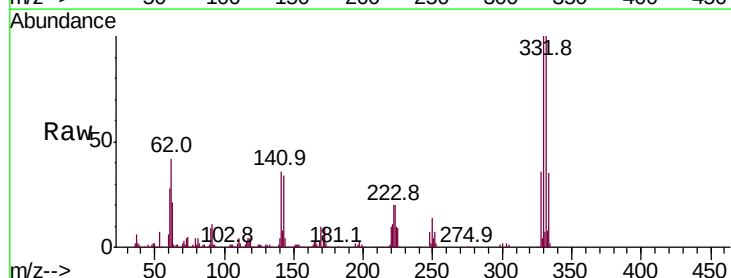
Delta R.T. -0.00 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

Tgt Ion:330 Resp: 391441

Ion	Ratio	Lower	Upper
330	100		
332	98.1	79.1	118.7
141	36.2	27.1	40.7

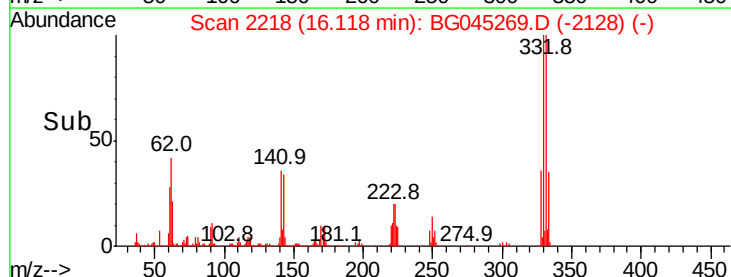
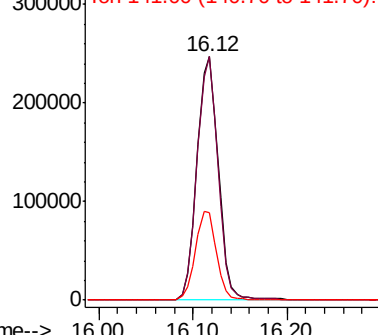


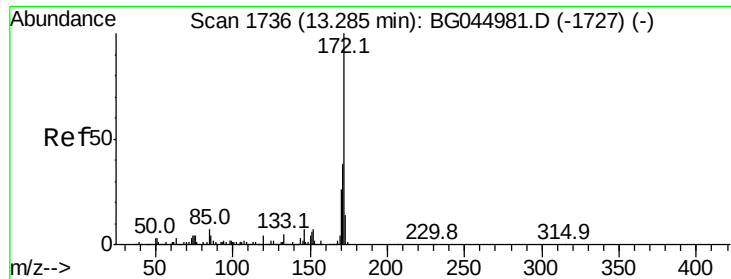
Abundance

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

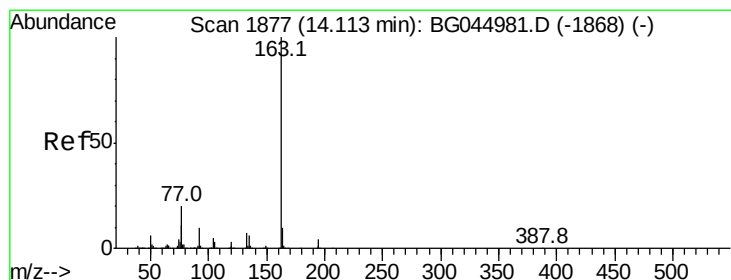
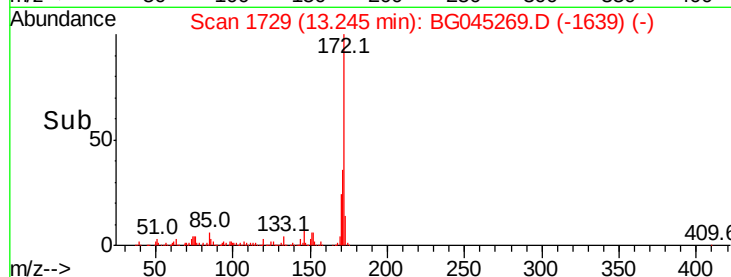
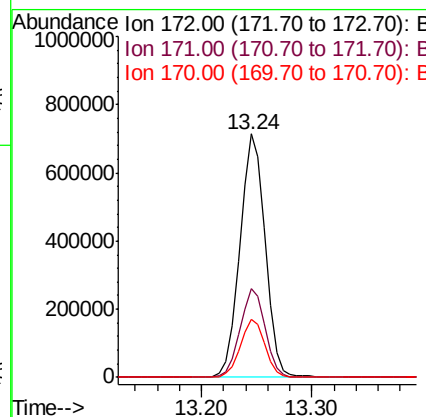
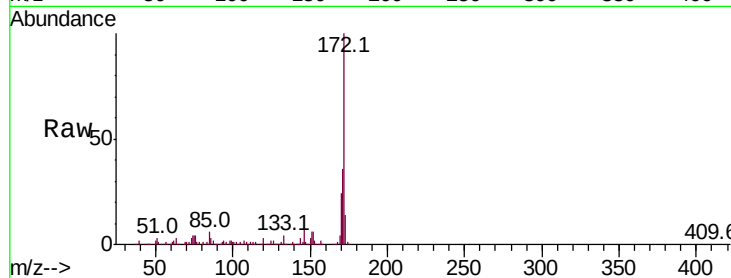




#45
2-Fluorobiphenyl
Concen: 93.998 ng
RT: 13.24 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045269.D
Acq: 7 May 2020 14:42

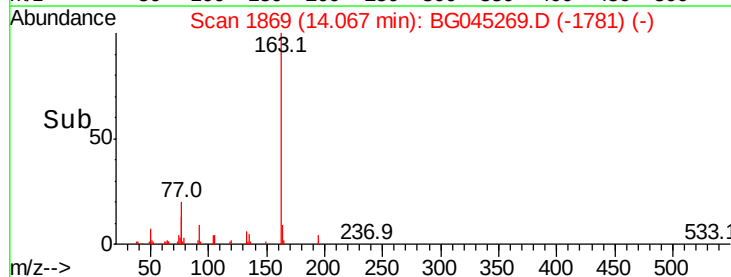
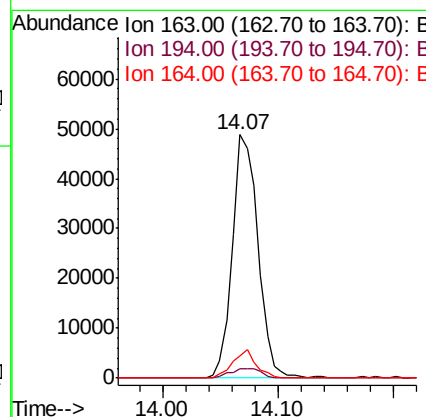
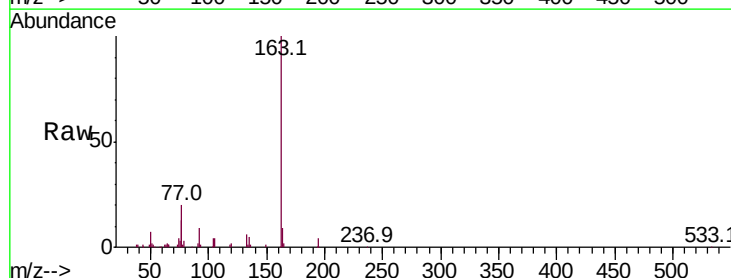
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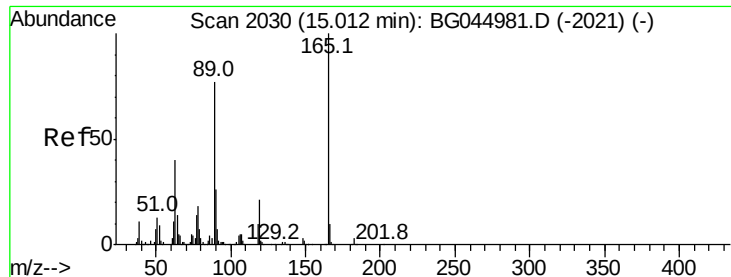
Tot Ion:172 Resp: 1147107
Ion Ratio Lower Upper
172 100
171 36.3 30.6 46.0
170 23.7 20.5 30.7



#50
Dimethylphthalate
Concen: 5.173 ng
RT: 14.07 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BG045269.D
Acq: 7 May 2020 14:42

Tgt Ion:163 Resp: 75369
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 9.3 8.2 12.4





#57

2,4-Dinitrotoluene

Concen: 4.698 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

Instrument :

BNA_G

ClientSampleId :

TP-18A

Tot Ion:165 Resp: 22373

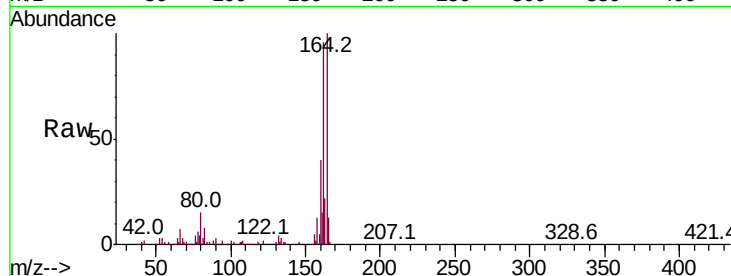
Ion Ratio Lower Upper

165 100

63 2.0 32.2 48.2#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#

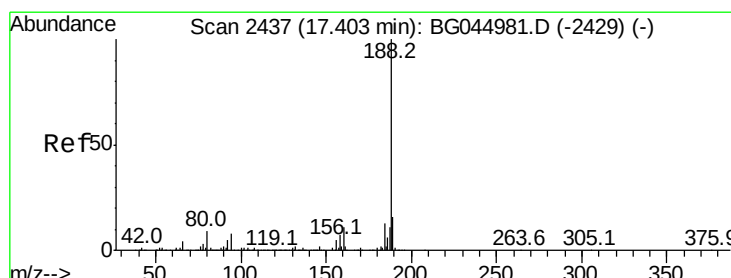
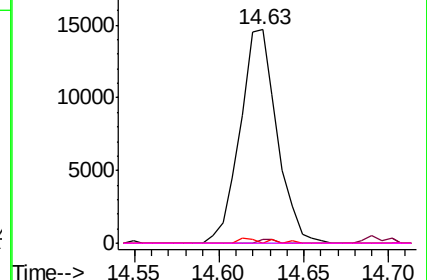
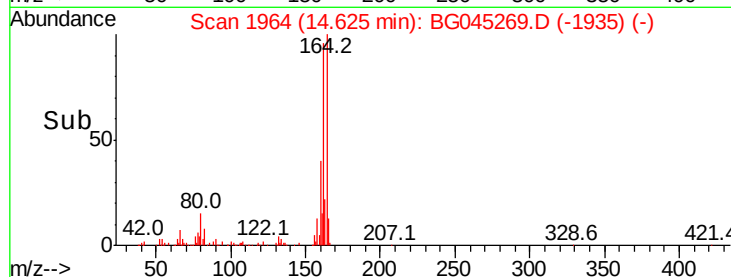


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

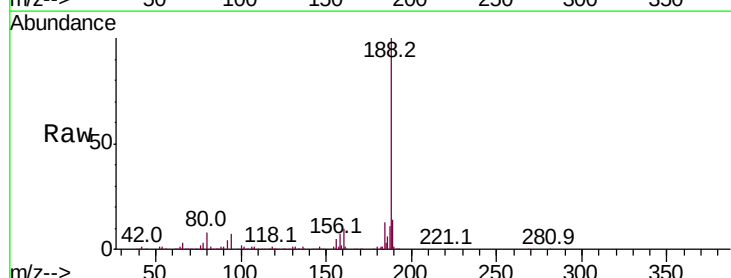
Tgt Ion:188 Resp: 418584

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

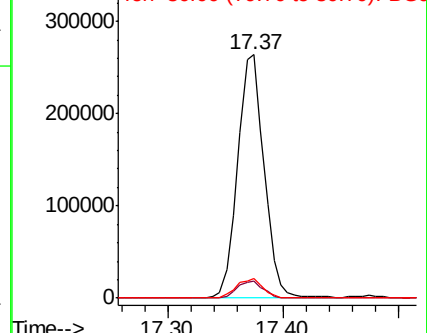
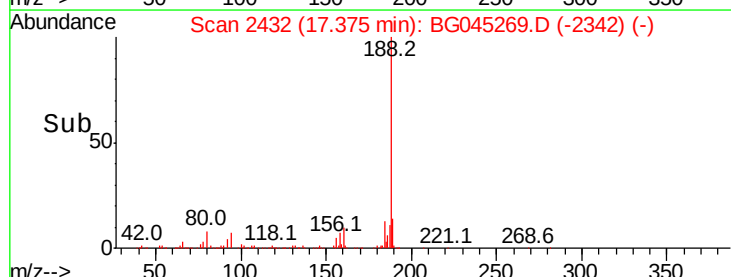
80 8.0 7.0 10.6

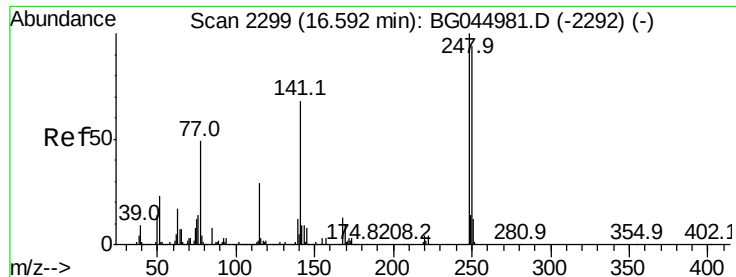


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

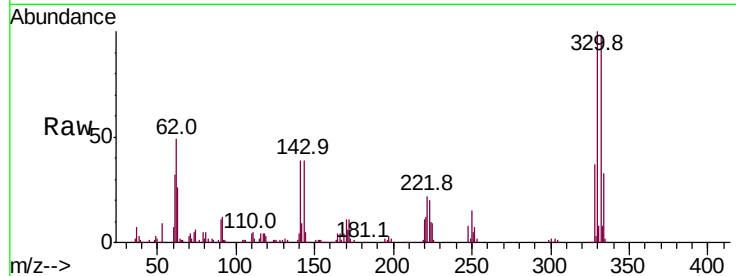




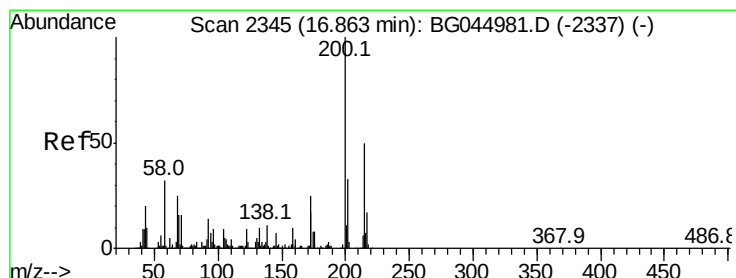
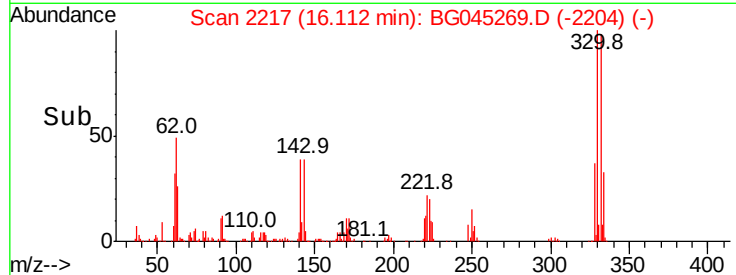
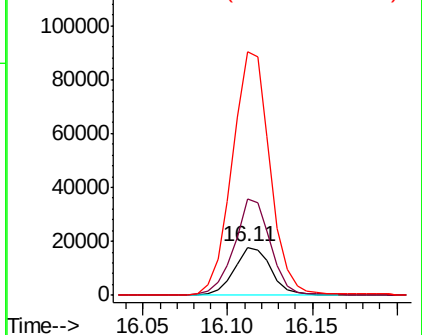
#67
 4-Bromophenyl-phenylether
 Concen: 4.972 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.45 min
 Lab File: BG045269.D
 Acq: 7 May 2020 14:42

Instrument :
 BNA_G
 ClientSampleId :
 TP-18A

Tot Ion:248 Resp: 26849
 Ion Ratio Lower Upper
 248 100
 250 200.6 75.4 113.2#
 141 506.8 54.4 81.6#

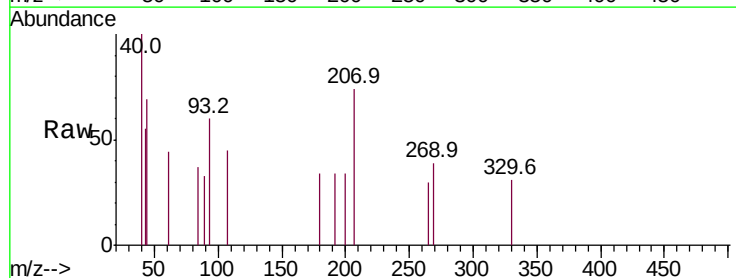


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

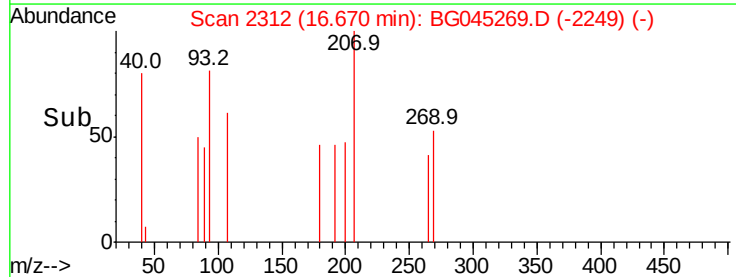
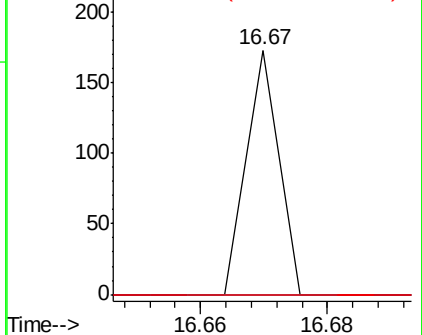


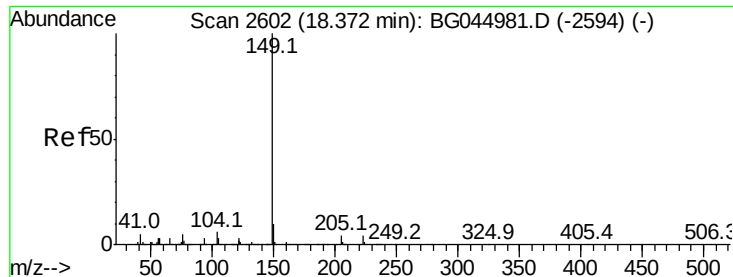
#69
 Atrazine
 Concen: Below Cal
 RT: 16.67 min Scan# 2312
 Delta R.T. -0.16 min
 Lab File: BG045269.D
 Acq: 7 May 2020 14:42

Tgt Ion:200 Resp: 61
 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: BG045269.D

Acq: 7 May 2020 14:42

Instrument :

BNA_G

ClientSampleId :

TP-18A

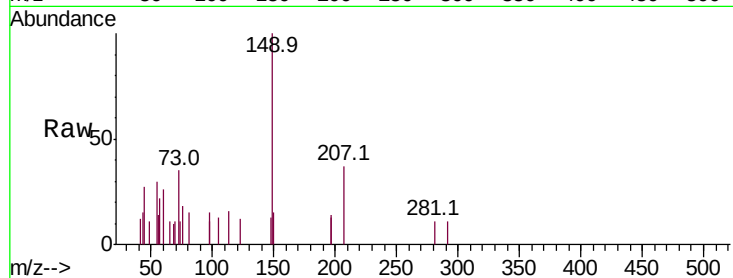
Tot Ion:149 Resp: 2081

Ion Ratio Lower Upper

149 100

150 14.5 8.2 12.2#

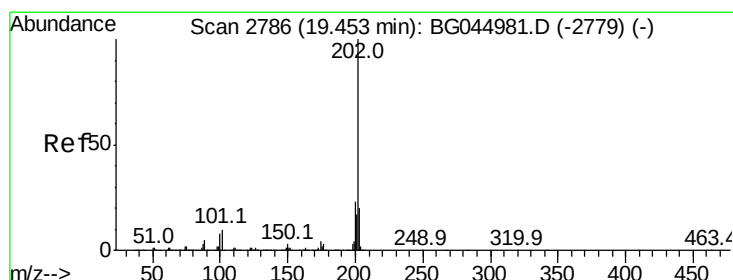
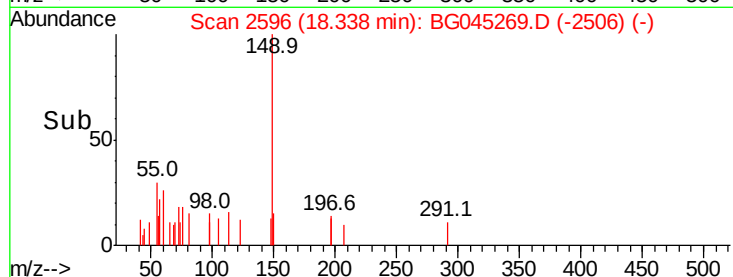
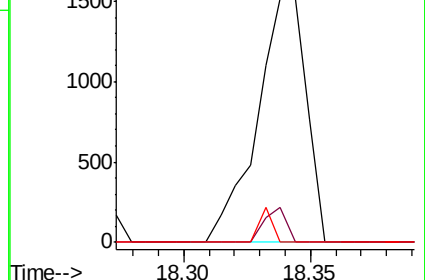
104 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG045269.D

Acq: 7 May 2020 14:42

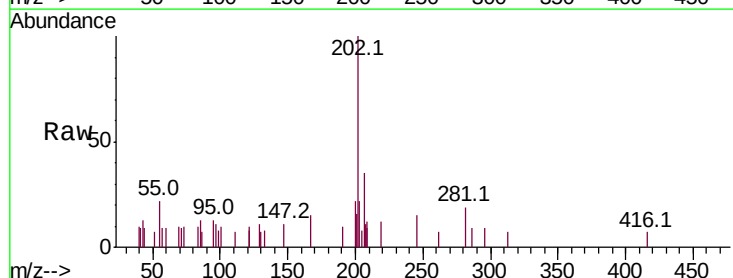
Tgt Ion:202 Resp: 3168

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

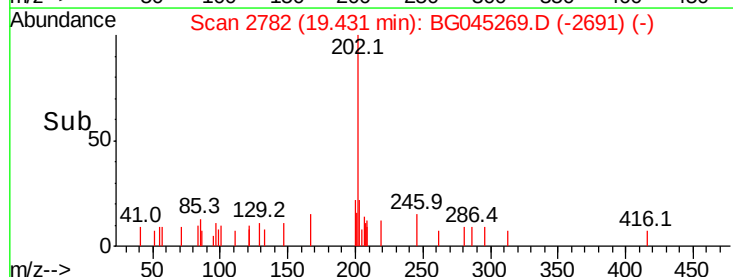
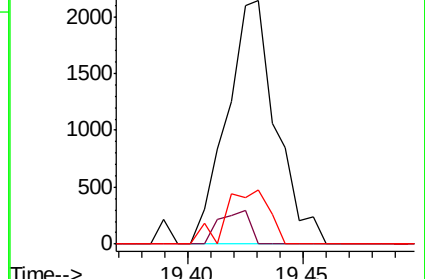
203 22.3 0.0 39.7

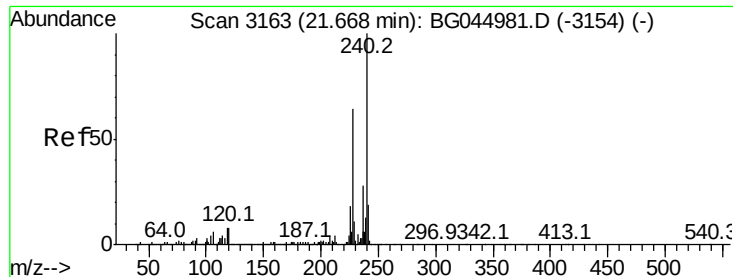


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

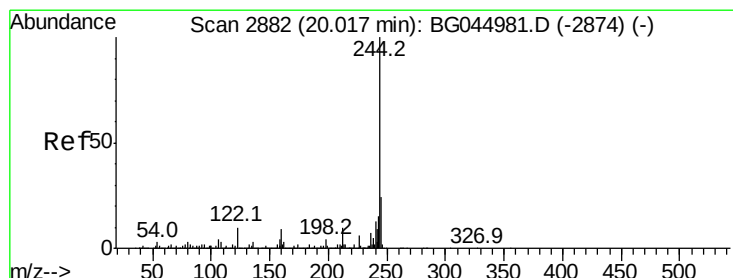
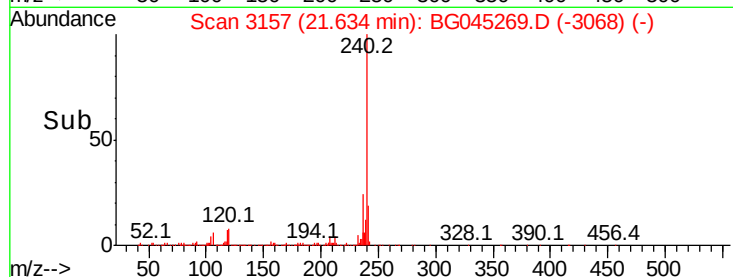
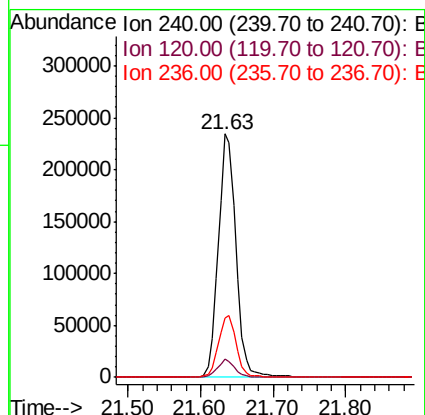
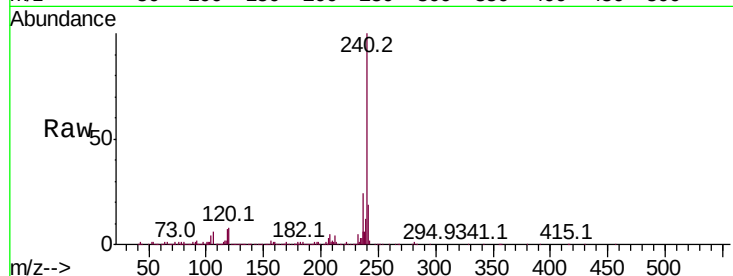




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3157
 Delta R.T. -0.01 min
 Lab File: BG045269.D
 Acq: 7 May 2020 14:42

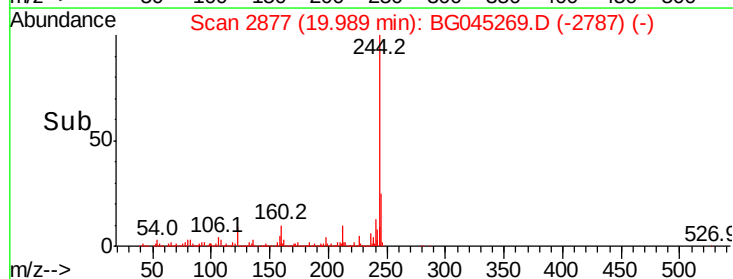
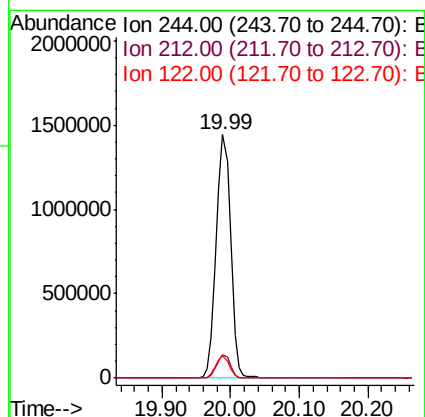
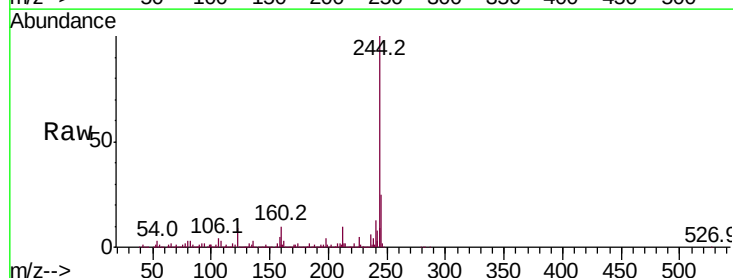
Instrument :
 BNA_G
 ClientSampleId :
 TP-18A

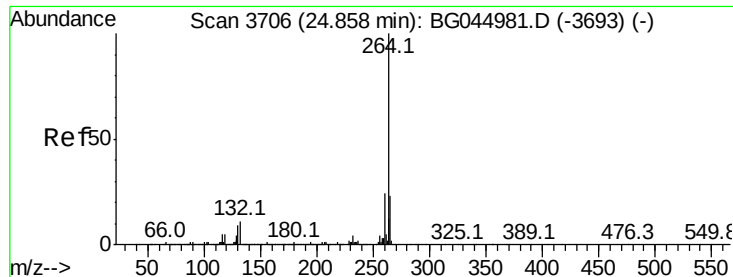
Tot Ion:240 Resp: 397473
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.6 10.0
 236 24.5 22.2 33.2



#79
 Terphenyl-d14
 Concen: 115.406 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.00 min
 Lab File: BG045269.D
 Acq: 7 May 2020 14:42

Tgt Ion:244 Resp: 2104573
 Ion Ratio Lower Upper
 244 100
 212 9.9 7.9 11.9
 122 9.2 7.7 11.5

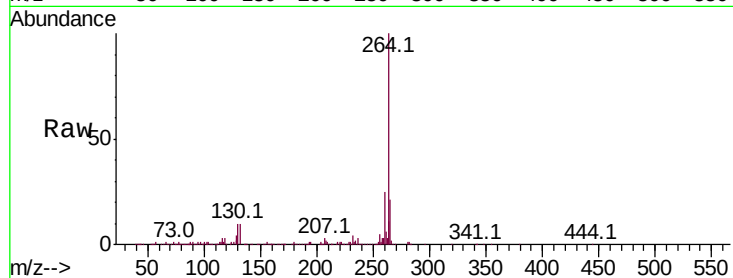




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. -0.01 min
 Lab File: BG045269.D
 Acq: 7 May 2020 14:42

Instrument :
 BNA_G
 ClientSampleId :
 TP-18A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	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

