

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042820\
 Data File : BG045188.D
 Acq On : 28 Apr 2020 16:54
 Operator : CG/JU
 Sample : PB128519BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128402BL

Quant Time: Apr 28 17:33:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 14:34:23 2020
 Response via : Initial Calibration

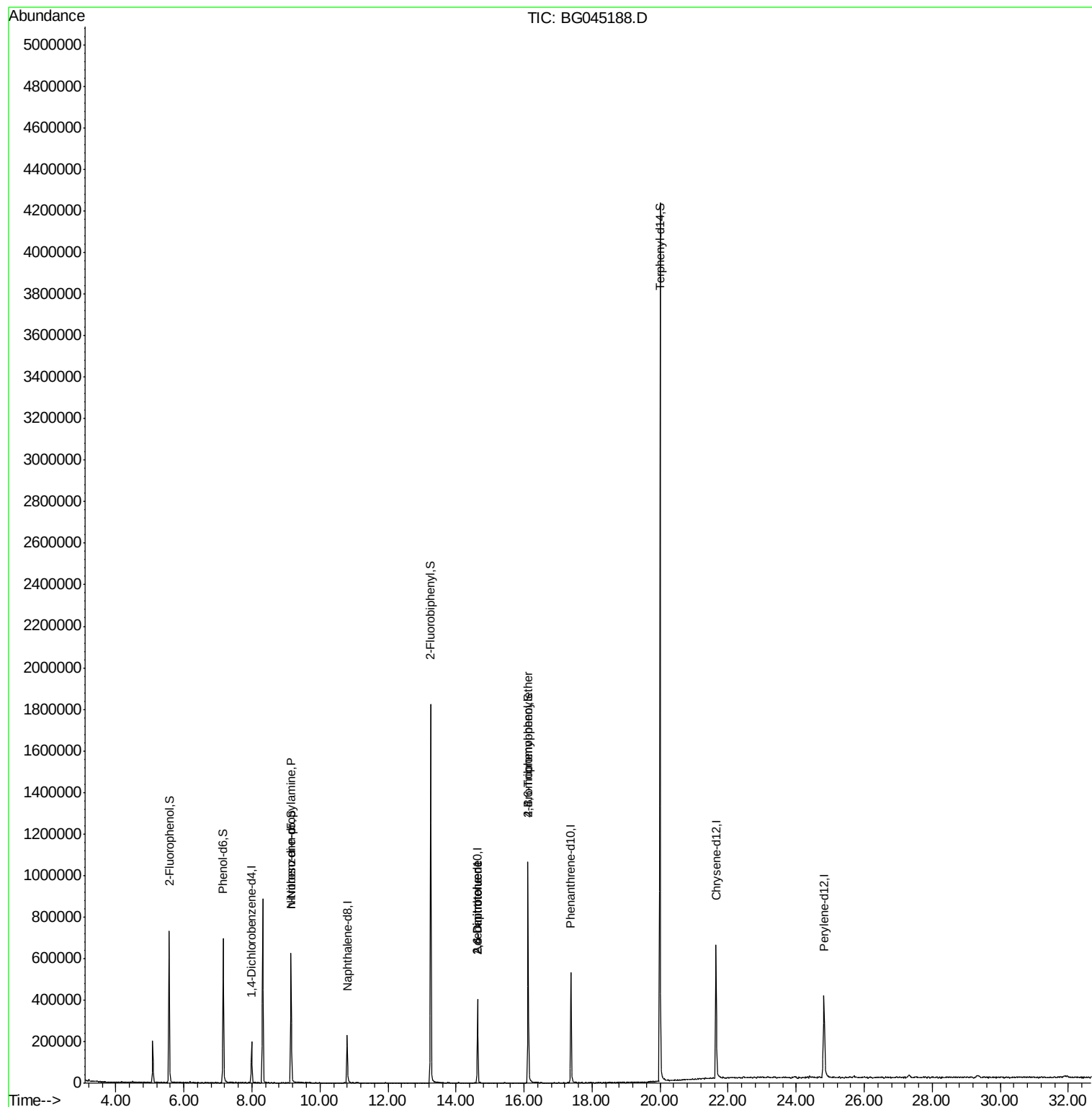
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	61497	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	221338	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	158963	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	388063	20.00	ng	0.00
76) Chrysene-d12	21.64	240	461480	20.00	ng	0.00
87) Perylene-d12	24.82	264	482412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	353750	94.97	ng	0.00
7) Phenol-d6	7.15	99	473318	85.52	ng	0.00
23) Nitrobenzene-d5	9.15	82	444277	91.59	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	226694	92.31	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1039350	95.87	ng	0.00
79) Terphenyl-d14	20.00	244	2095687	98.98	ng	0.00
Target Compounds						
9) Benzaldehyde	7.17	77	777	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	58432	14.929 ng	#	80
51) 2,6-Dinitrotoluene	14.63	165	19296	6.665 ng	#	26
57) 2,4-Dinitrotoluene	14.63	165	19296	4.561 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	15142	3.025 ng	#	1
74) Di-n-butylphthalate	18.41	149	79	Below Cal	#	76
75) Fluoranthene	19.81	202	74	Below Cal	#	62
77) Benzidine	20.00	184	39202	Below Cal	#	87

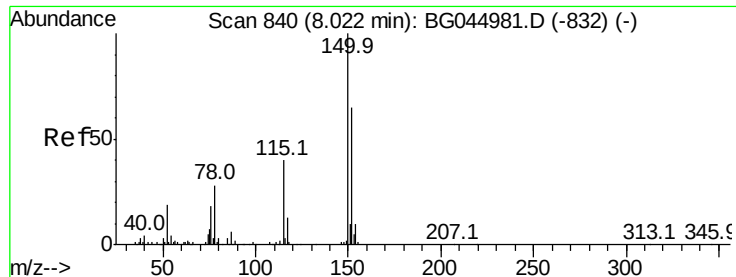
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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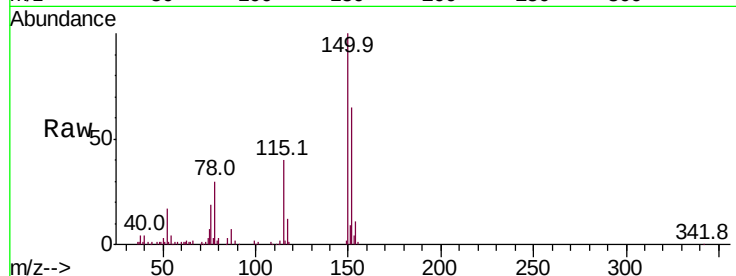


#1

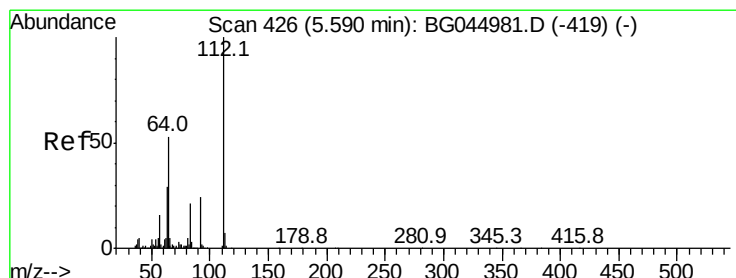
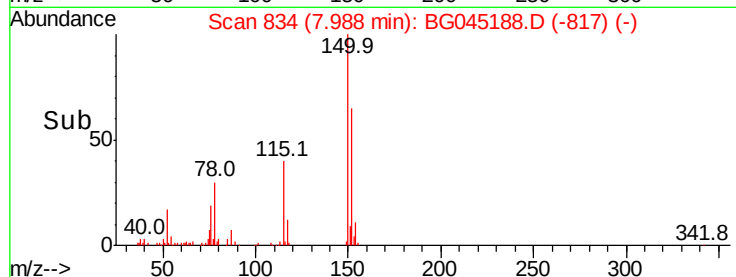
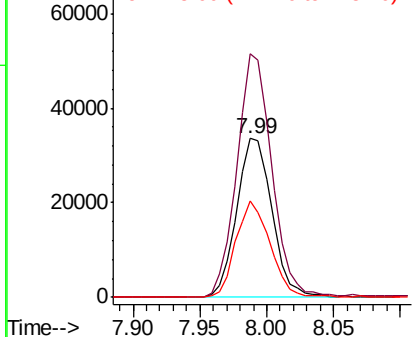
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

Instrument :
BNA_G
ClientSampleId :
PB128402BL

Tot Ion:152 Resp: 61497
Ion Ratio Lower Upper
152 100
150 153.3 123.6 185.4
115 61.1 49.1 73.7



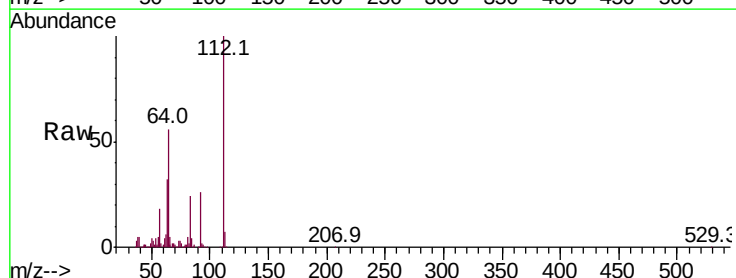
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



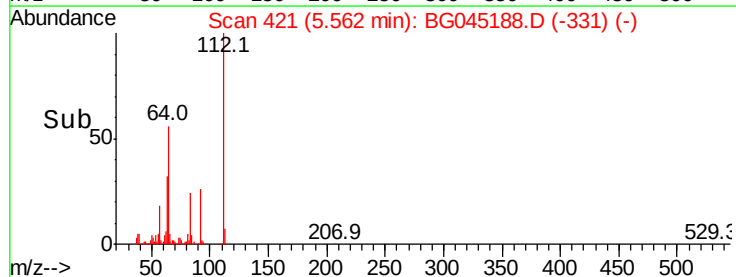
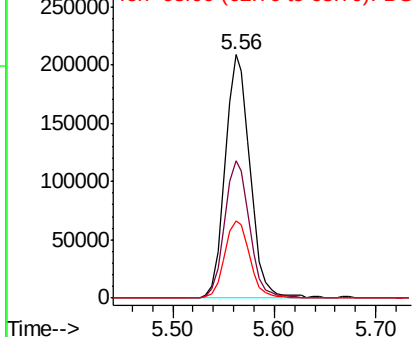
#5

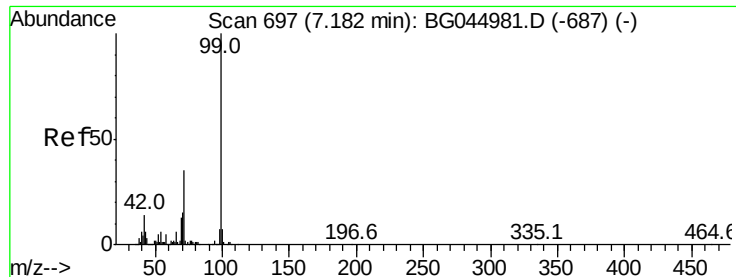
2-Fluorophenol
Concen: 94.968 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

Tgt Ion:112 Resp: 353750
Ion Ratio Lower Upper
112 100
64 56.2 42.4 63.6
63 32.0 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: 85.524 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

Instrument :

BNA_G

ClientSampleId :

PB128402BL

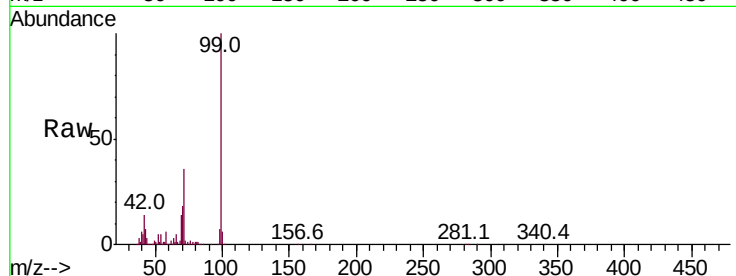
Tot Ion: 99 Resp: 473318

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

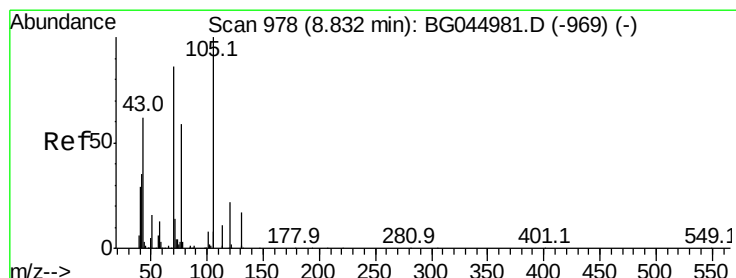
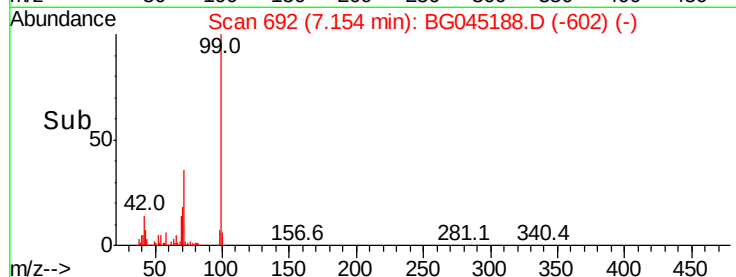
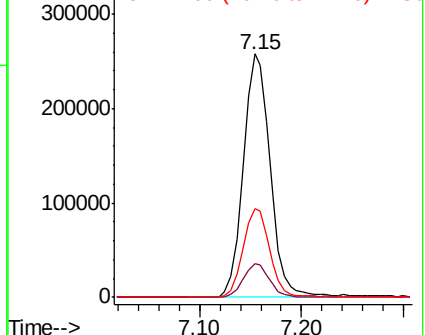
71 36.3 28.3 42.5



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: 14.929 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

Tgt Ion: 70 Resp: 58432

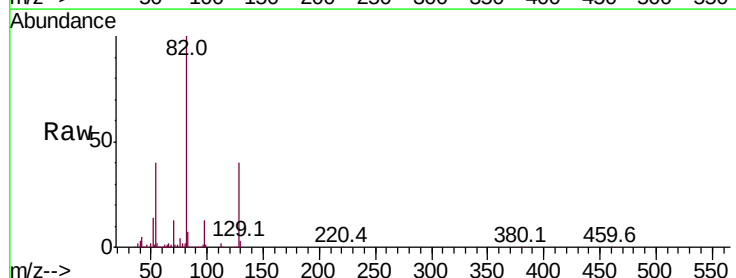
Ion Ratio Lower Upper

70 100

42 35.0 33.3 49.9

101 0.0 7.8 11.8#

130 2.8 15.8 23.6#

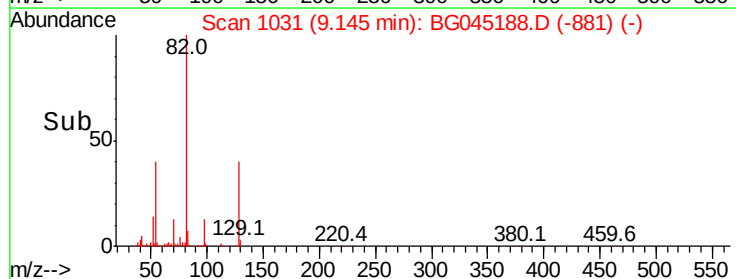
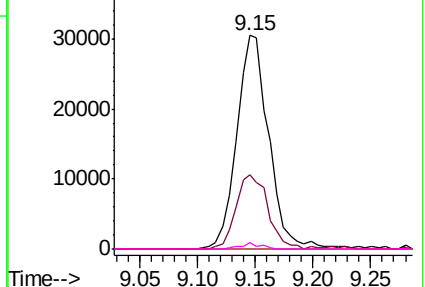


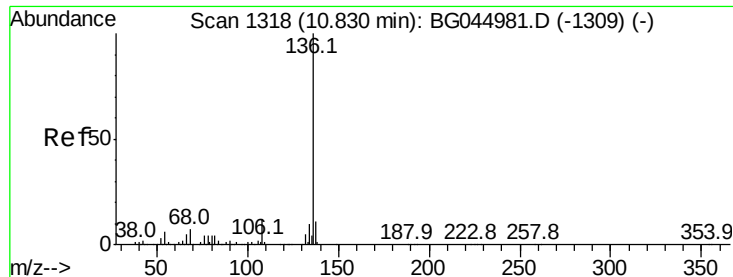
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

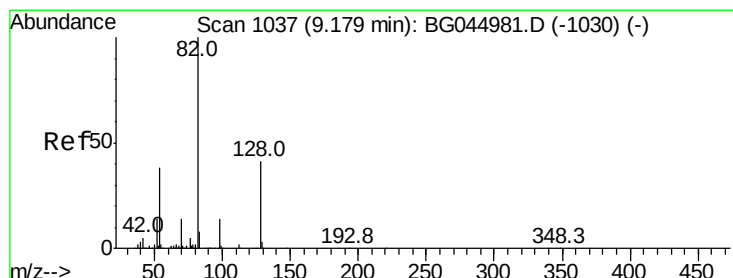
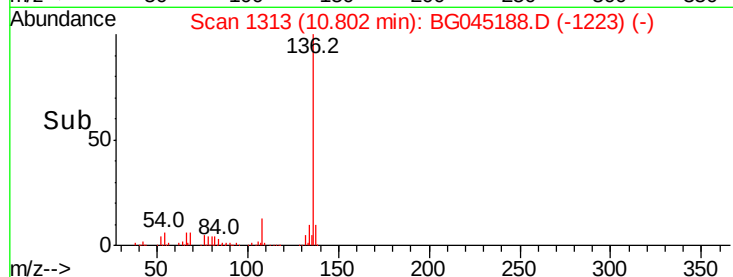
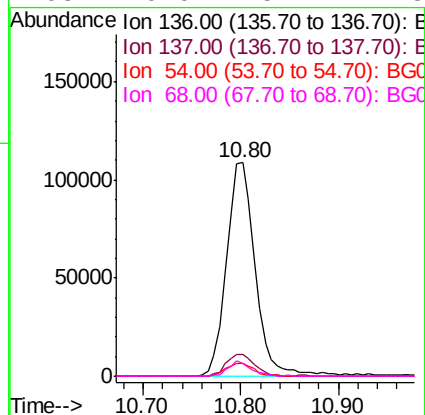
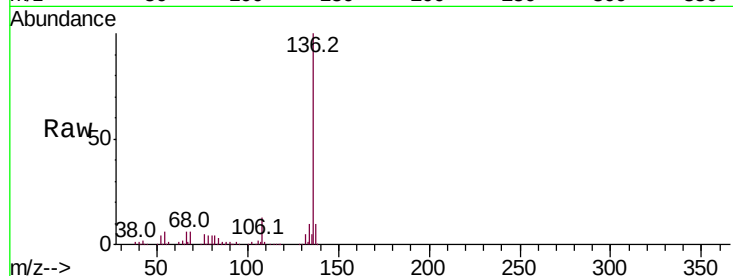




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

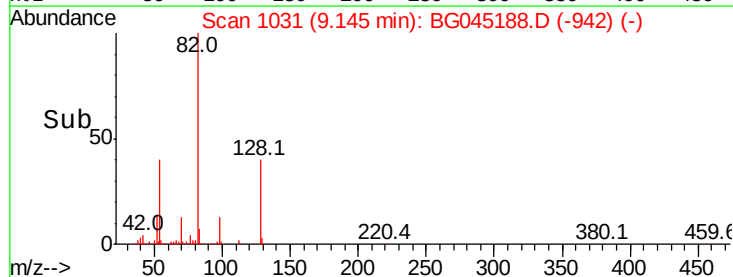
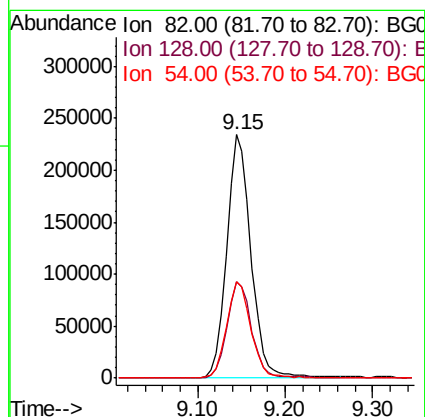
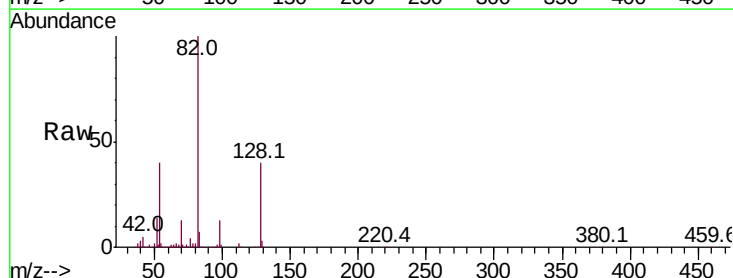
Instrument :
BNA_G
ClientSampleId :
PB128402BL

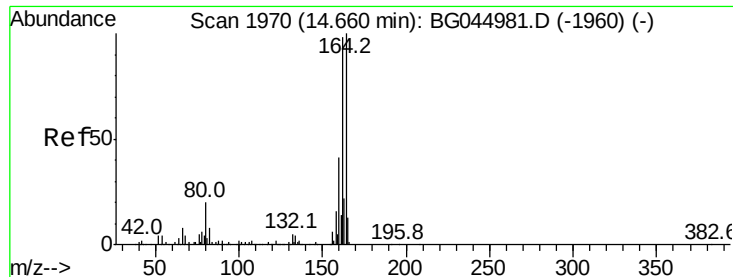
Tot Ion:136	Resp: 221338
Ion Ratio	Lower Upper
136 100	
137 10.5	8.6 13.0
54 6.1	4.8 7.2
68 6.0	5.2 7.8



#23
Nitrobenzene-d5
Concen: 91.588 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

Tgt	Ion: 82	Resp:	444277
Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.0	49.4
54	39.6	30.4	45.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

Instrument :

BNA_G

ClientSampleId :

PB128402BL

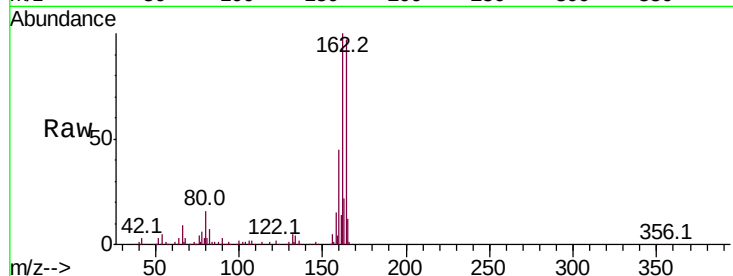
Tot Ion:164 Resp: 158963

Ion Ratio Lower Upper

164 100

162 103.2 78.7 118.1

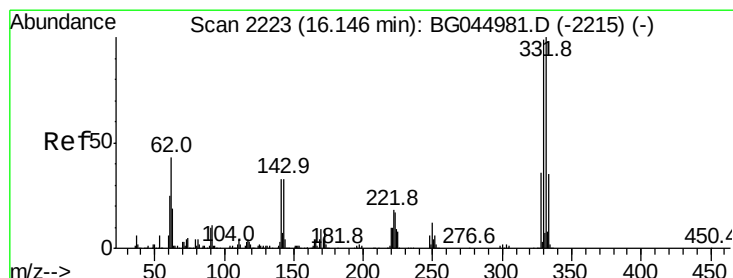
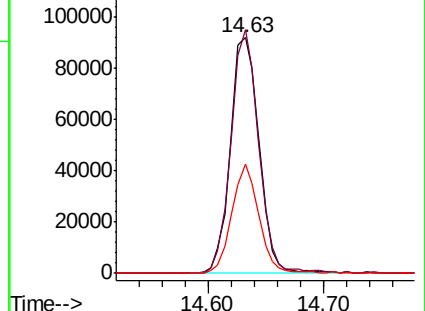
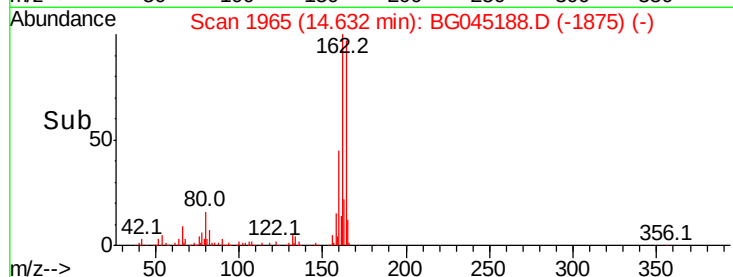
160 46.2 32.8 49.2



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: 92.311 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

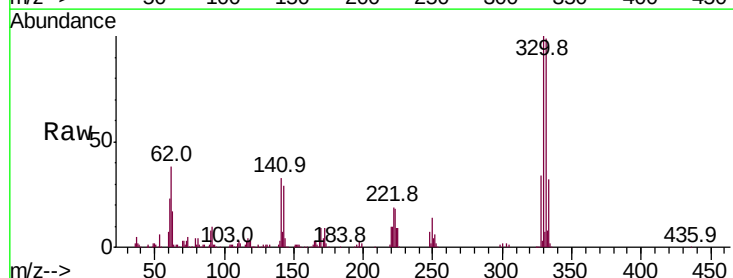
Tgt Ion:330 Resp: 226694

Ion Ratio Lower Upper

330 100

332 96.7 79.1 118.7

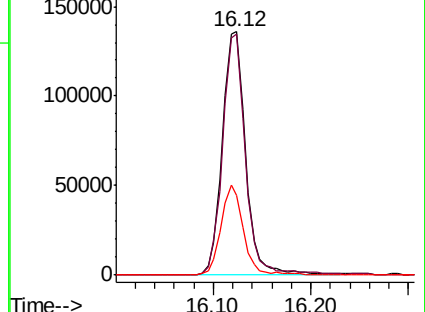
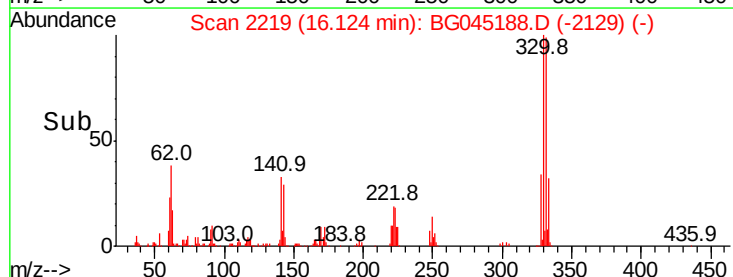
141 35.2 27.1 40.7

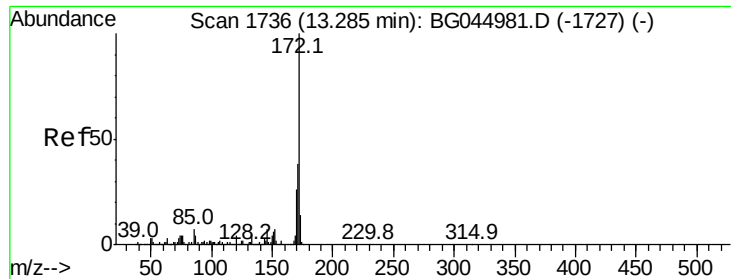


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

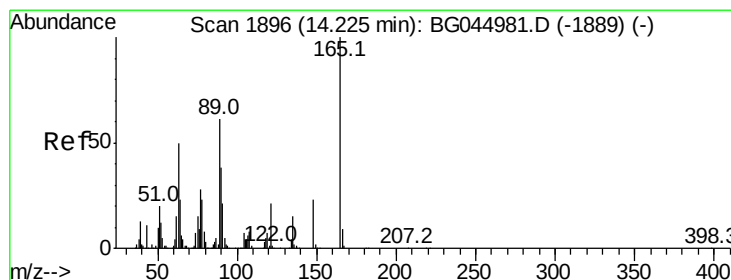
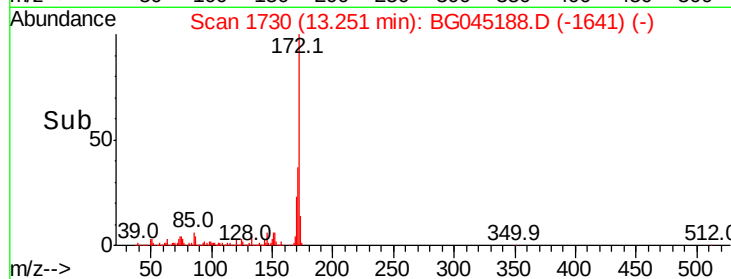
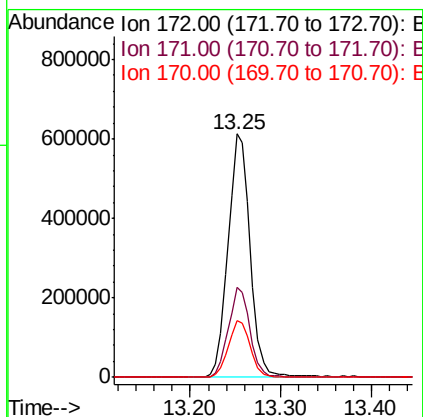
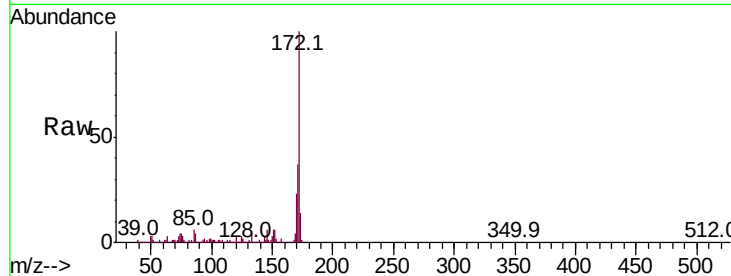




#45
2-Fluorobiphenyl
Concen: 95.873 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

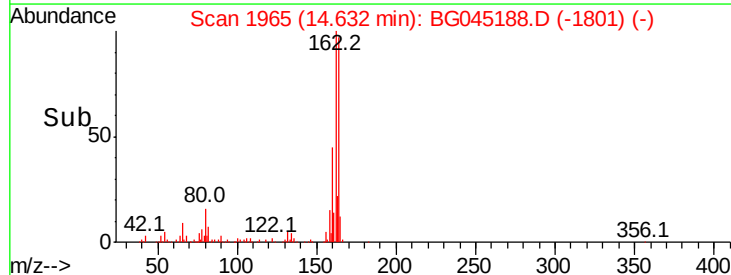
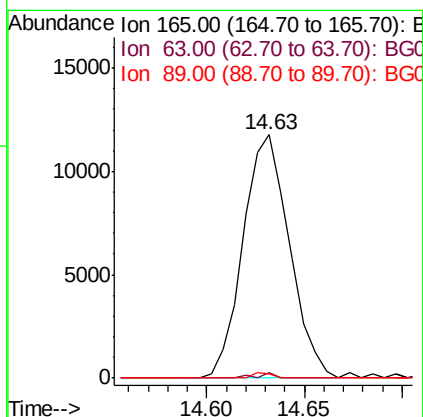
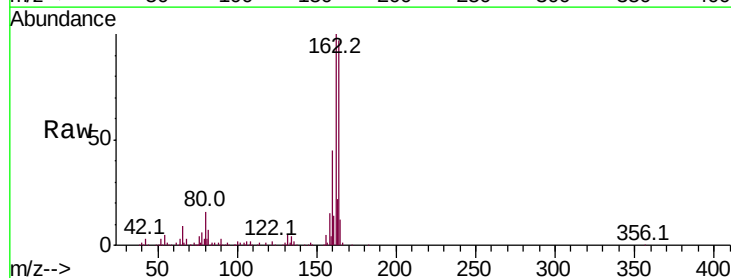
Instrument :
BNA_G
ClientSampleId :
PB128402BL

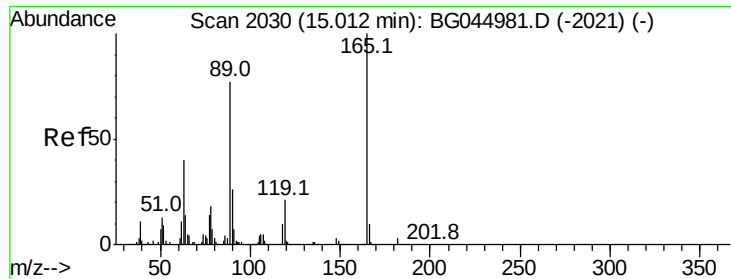
Tot Ion:172 Resp: 1039350
Ion Ratio Lower Upper
172 100
171 37.0 30.6 46.0
170 23.1 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 6.665 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.43 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

Tgt Ion:165 Resp: 19296
Ion Ratio Lower Upper
165 100
63 2.5 40.4 60.6#
89 1.6 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 4.561 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

Instrument :

BNA_G

ClientSampleId :

PB128402BL

Tot Ion:165 Resp: 19296

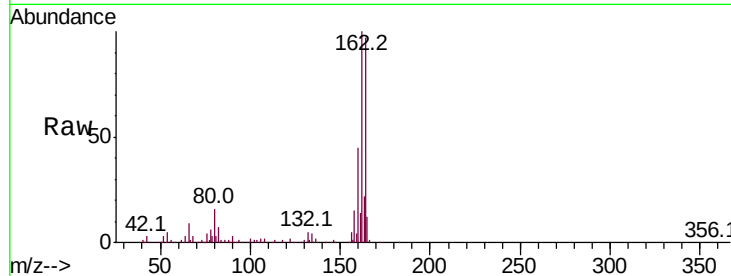
Ion Ratio Lower Upper

165 100

63 2.5 32.2 48.2#

89 1.6 61.7 92.5#

182 0.0 2.0 3.0#

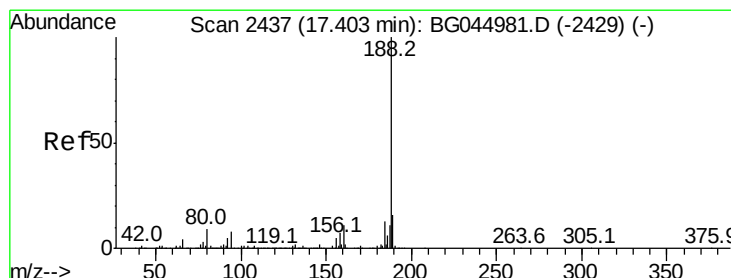
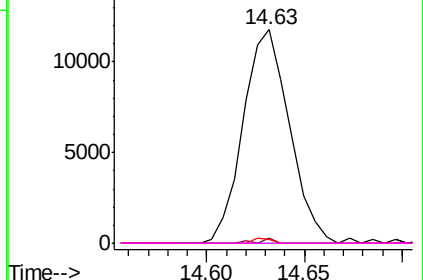
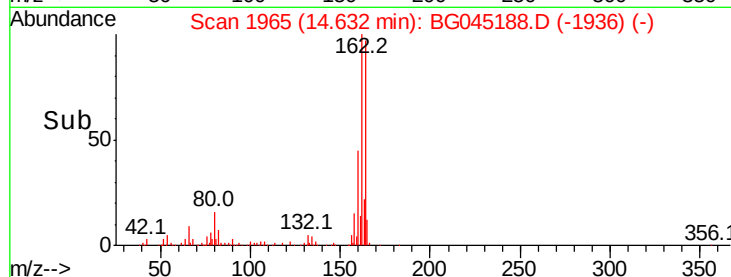


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

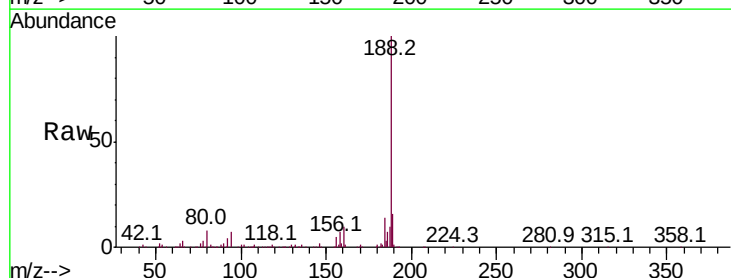
Tgt Ion:188 Resp: 388063

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.4

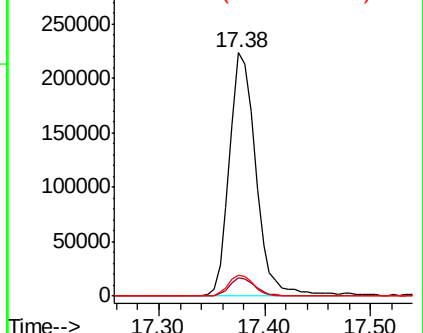
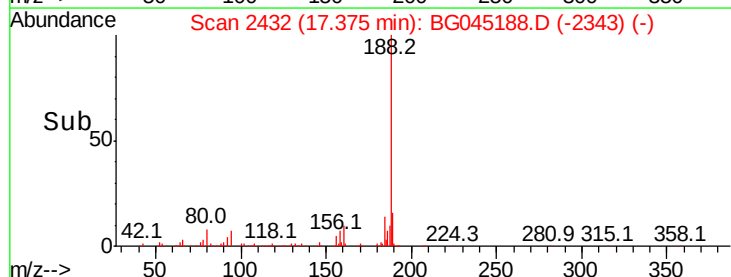
80 8.5 7.0 10.6

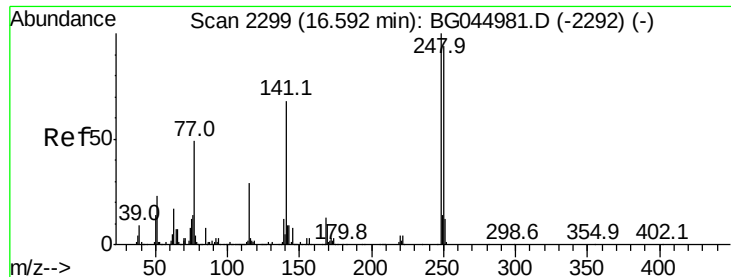


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

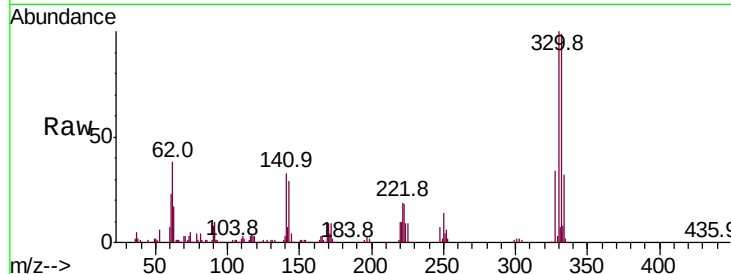




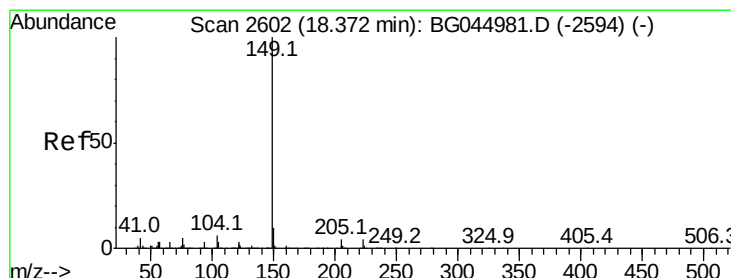
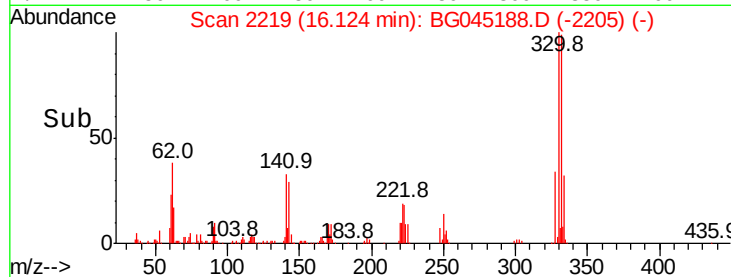
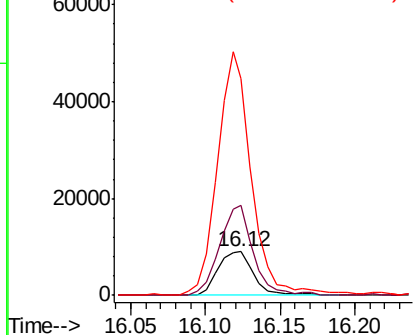
#67
 4-Bromophenyl-phenylether
 Concen: 3.025 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.45 min
 Lab File: BG045188.D
 Acq: 28 Apr 2020 16:54

Instrument :
 BNA_G
 ClientSampleId :
 PB128402BL

Tot Ion:248 Resp: 15142
 Ion Ratio Lower Upper
 248 100
 250 204.0 75.4 113.2#
 141 493.2 54.4 81.6#

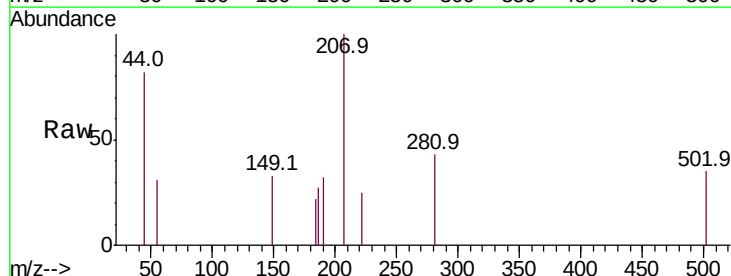


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

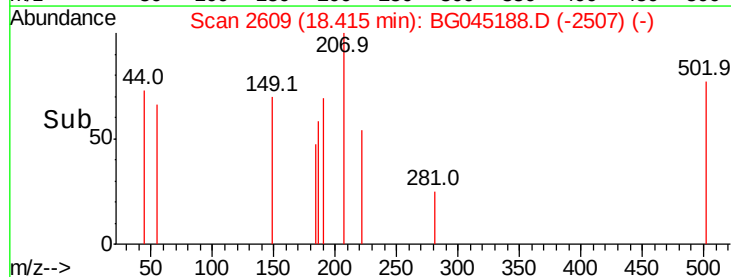
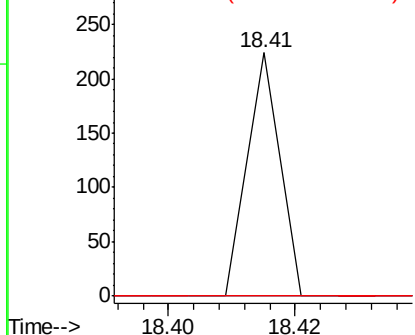


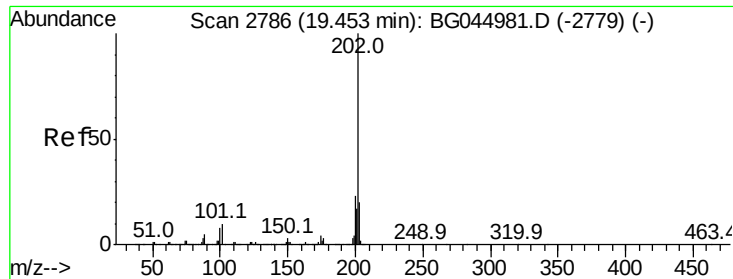
#74
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 18.41 min Scan# 2609
 Delta R.T. 0.07 min
 Lab File: BG045188.D
 Acq: 28 Apr 2020 16:54

Tgt Ion:149 Resp: 79
 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: 19.81 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

Instrument :

BNA_G

ClientSampled :

PB128402BL

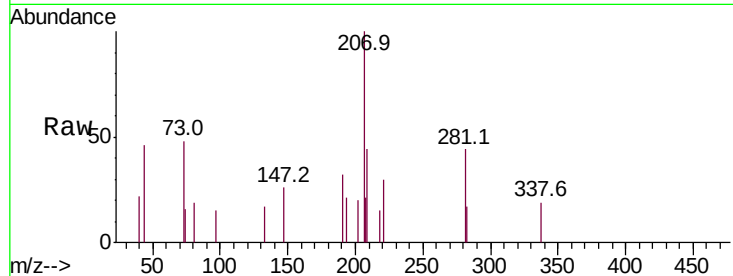
Tot Ion:202 Resp: 74

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

19.81

200

150

100

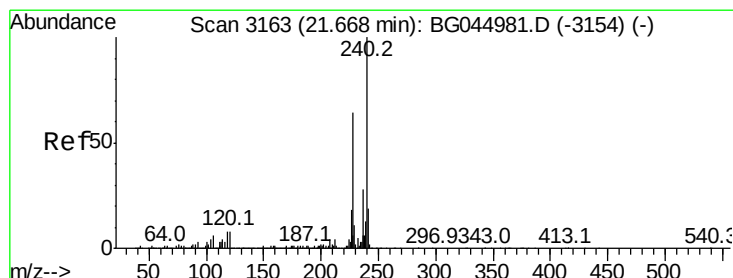
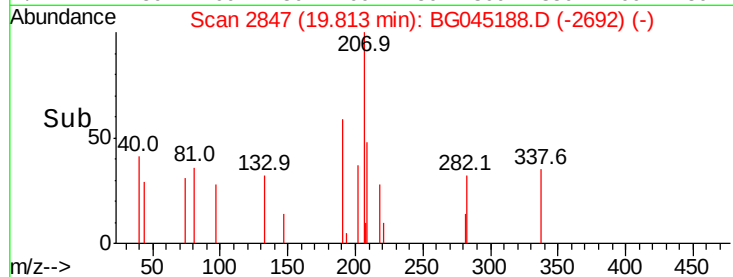
50

0

Time-->

19.80

19.82



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

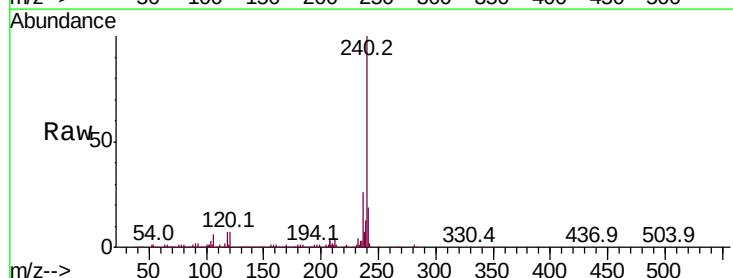
Tgt Ion:240 Resp: 461480

Ion Ratio Lower Upper

240 100

120 7.3 6.6 10.0

236 26.4 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

21.64

300000

250000

200000

150000

100000

50000

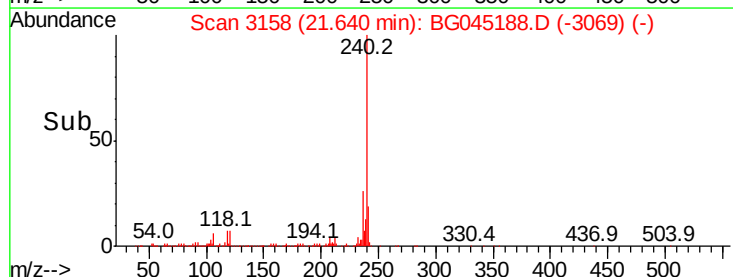
0

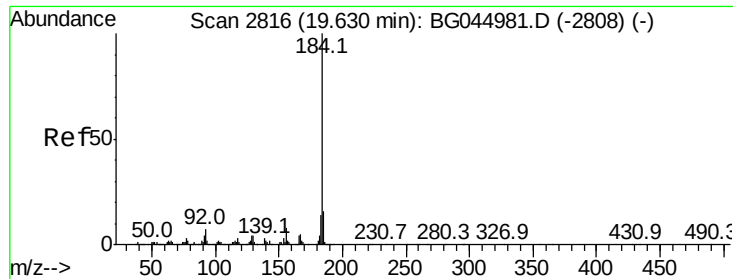
Time-->

21.60

21.70

21.80





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

Instrument :

BNA_G

ClientSampleId :

PB128402BL

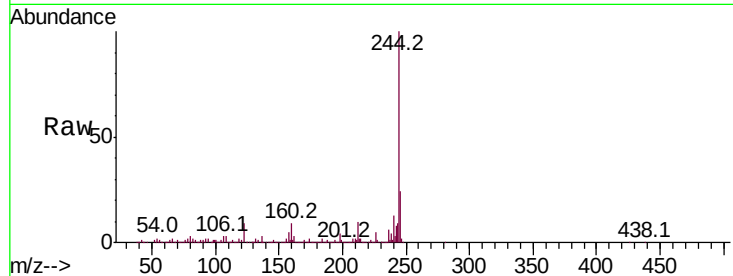
Tot Ion:184 Resp: 39202

Ion Ratio Lower Upper

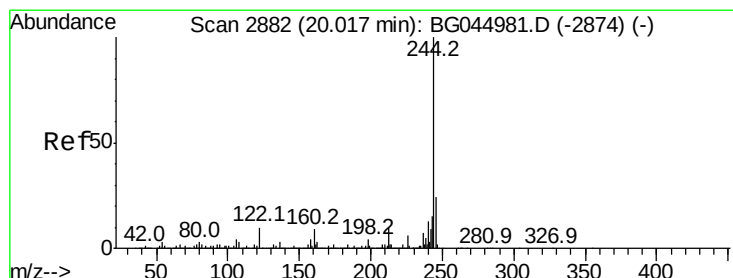
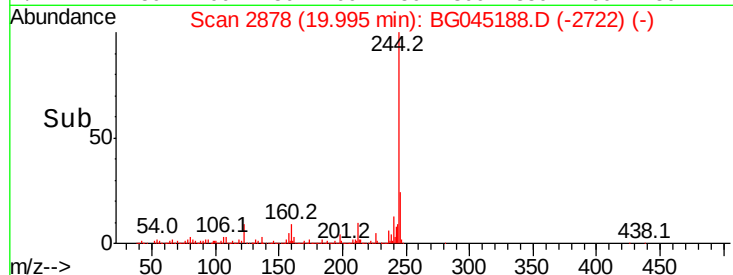
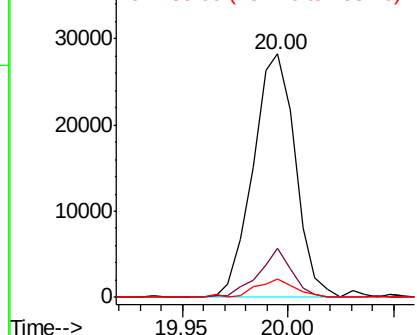
184 100

185 20.3 12.6 19.0#

183 7.4 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: 98.979 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BG045188.D

Acq: 28 Apr 2020 16:54

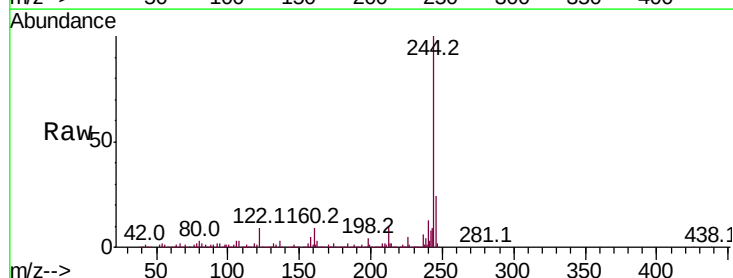
Tgt Ion:244 Resp: 2095687

Ion Ratio Lower Upper

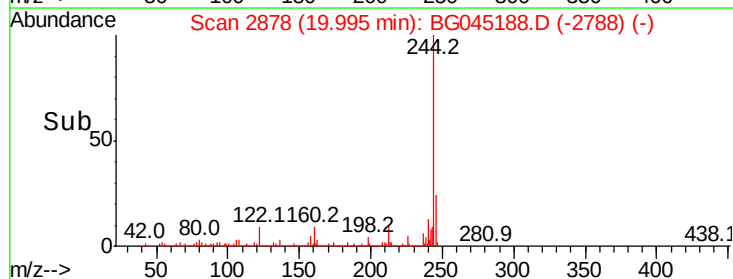
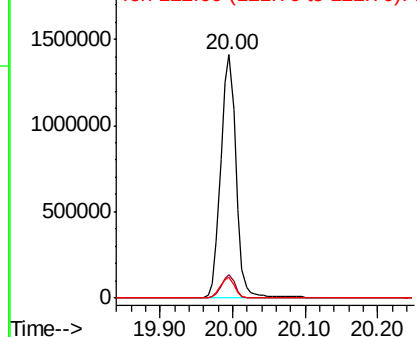
244 100

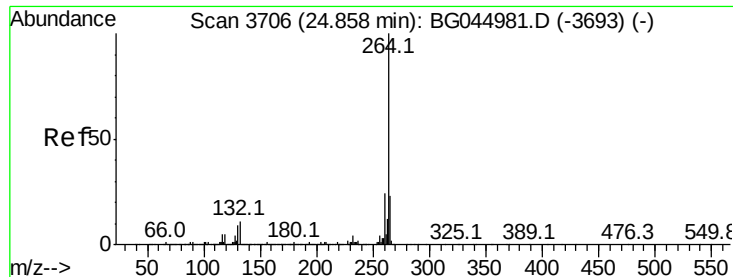
212 9.8 7.9 11.9

122 8.8 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.01 min
Lab File: BG045188.D
Acq: 28 Apr 2020 16:54

Instrument :
BNA_G
ClientSampleId :
PB128402BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	19.0	28.4

