

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\
 Data File : BG045201.D
 Acq On : 29 Apr 2020 12:20
 Operator : CG/JU
 Sample : PB128519BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128519BL

Quant Time: Apr 29 13:17:13 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	62197	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	227766	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	172541	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	435803	20.00	ng	0.00
76) Chrysene-d12	21.64	240	483914	20.00	ng	0.00
87) Perylene-d12	24.82	264	504332	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	371034	98.49	ng	0.00
7) Phenol-d6	7.16	99	501249	89.55	ng	0.00
23) Nitrobenzene-d5	9.15	82	461095	92.37	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	257839	96.73	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1094770	93.04	ng	0.00
79) Terphenyl-d14	19.99	244	2164776	97.50	ng	0.00

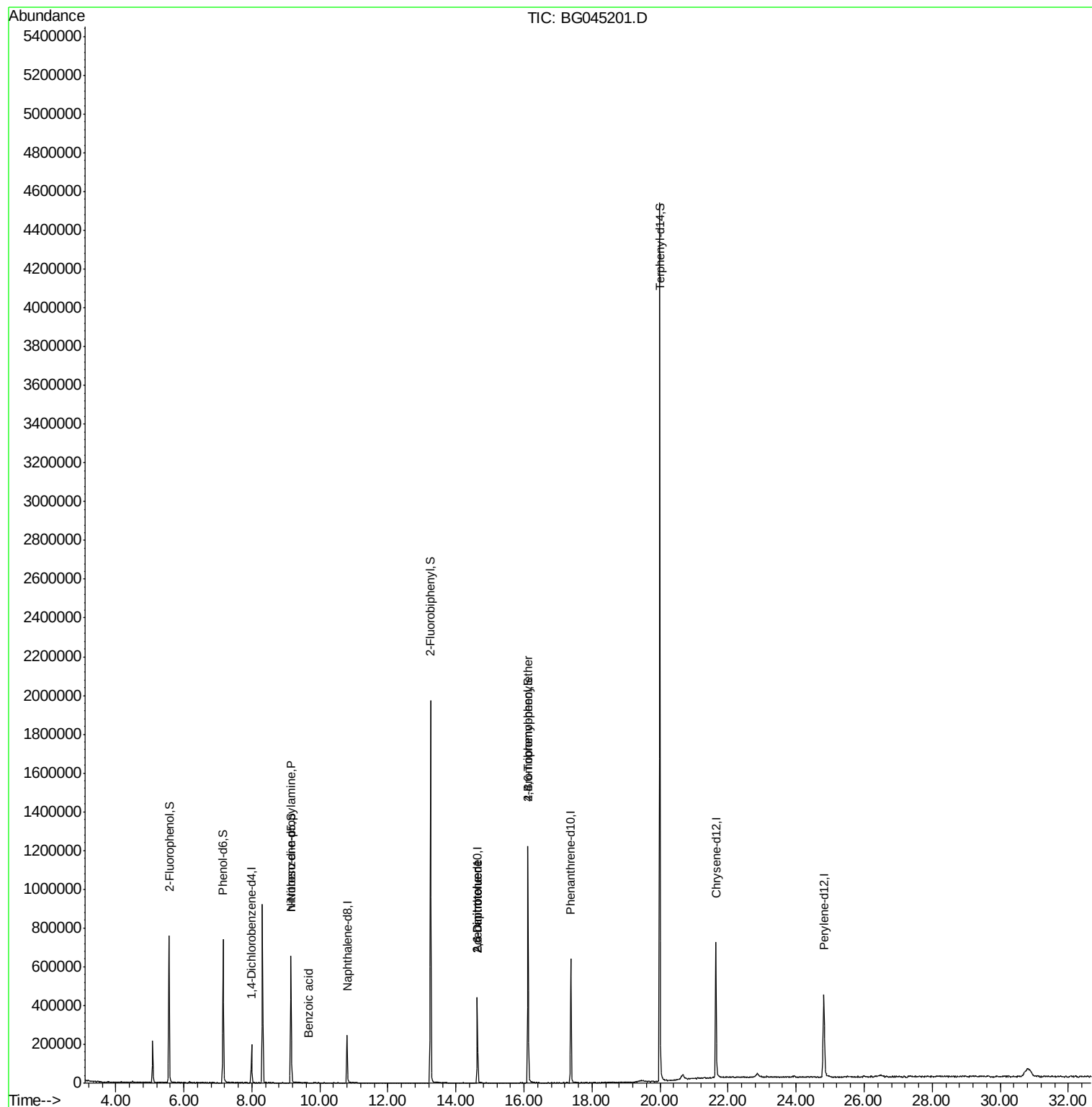
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.11	77	83	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	63411	16.019 ng	#	78
32) Benzoic acid	9.67	122	61	6.392 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	20846	6.634 ng	#	23
57) 2,4-Dinitrotoluene	14.63	165	20846	4.539 ng	#	21
67) 4-Bromophenyl-phenylether	16.12	248	17488	3.111 ng	#	1
69) Atrazine	16.88	200	63	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	292	Below Cal	#	76
75) Fluoranthene	19.46	202	60	Below Cal	#	62
77) Benzidine	19.99	184	40563	Below Cal	#	87

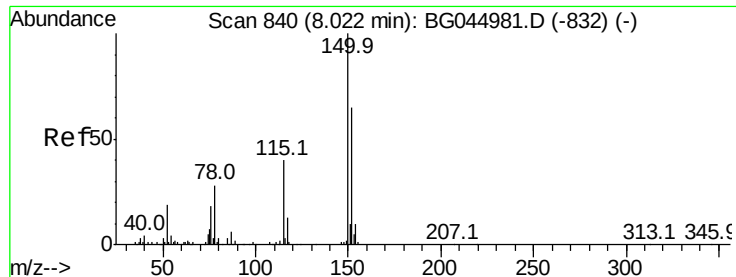
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

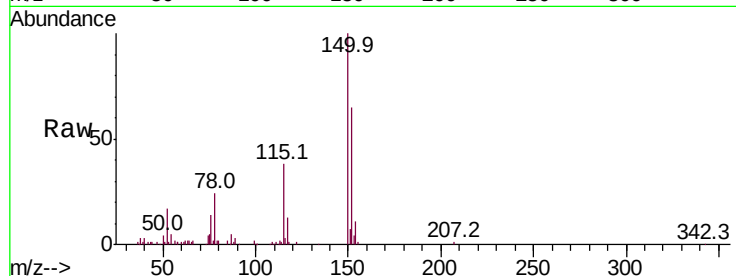
Tot Ion:152 Resp: 62197

Ion Ratio Lower Upper

152 100

150 152.7 123.6 185.4

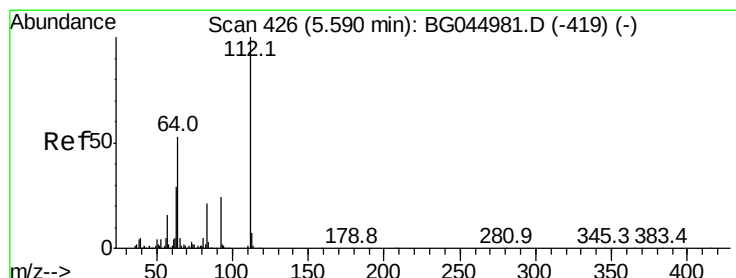
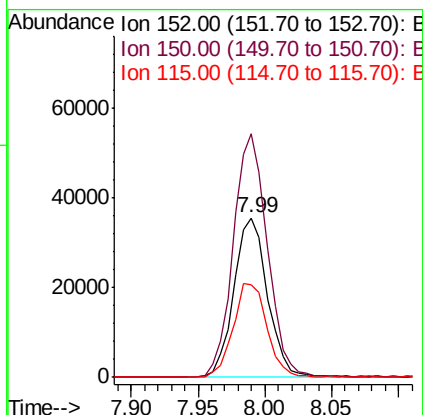
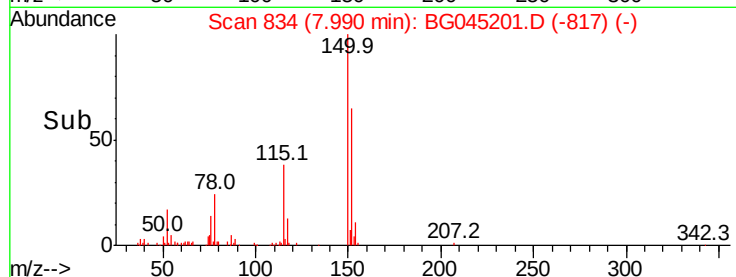
115 58.1 49.1 73.7



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: 98.487 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.01 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

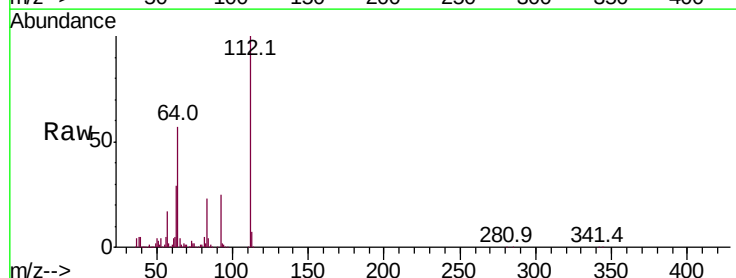
Tgt Ion:112 Resp: 371034

Ion Ratio Lower Upper

112 100

64 57.0 42.4 63.6

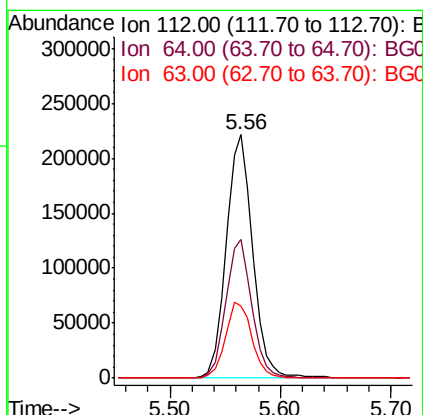
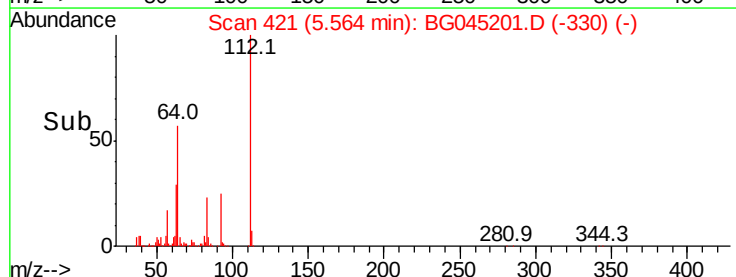
63 29.5 23.1 34.7

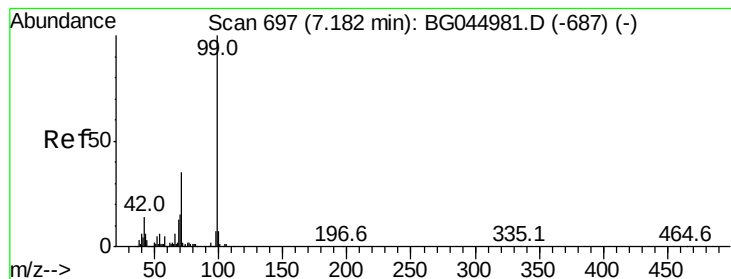


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 89.551 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

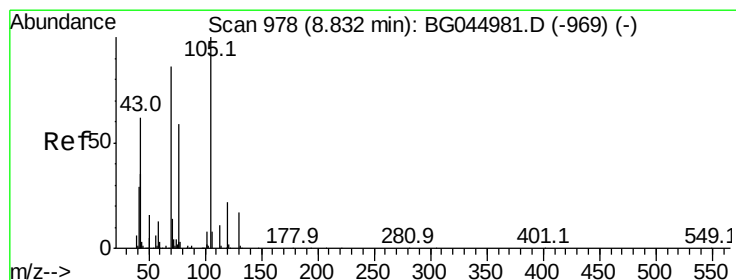
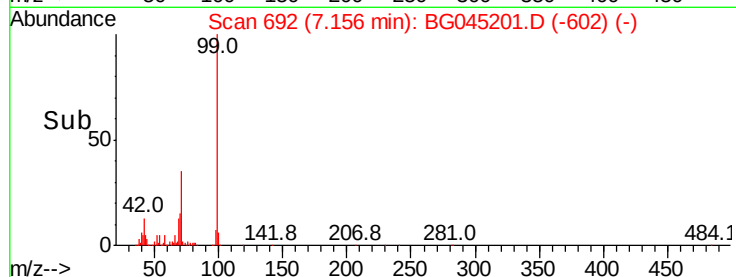
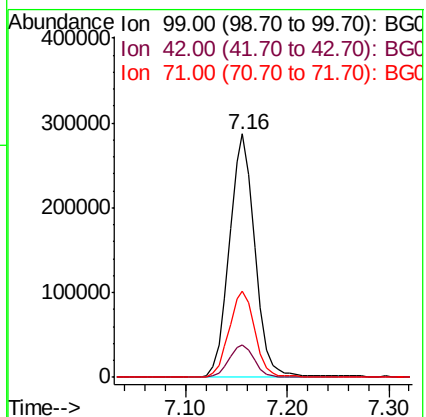
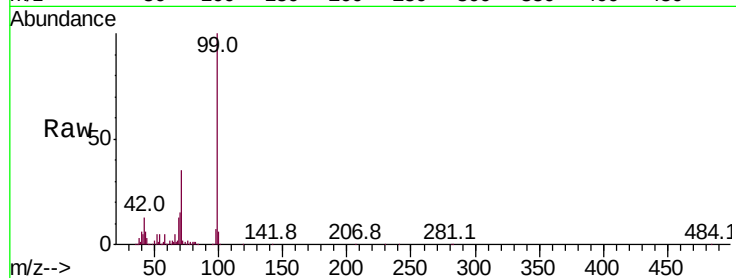
Tot Ion: 99 Resp: 501249

Ion Ratio Lower Upper

99 100

42 13.2 11.3 16.9

71 35.5 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.019 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Tgt Ion: 70 Resp: 63411

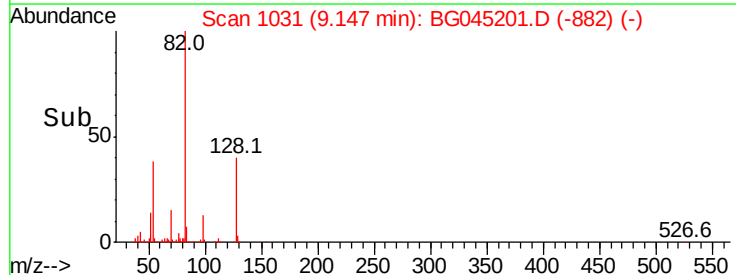
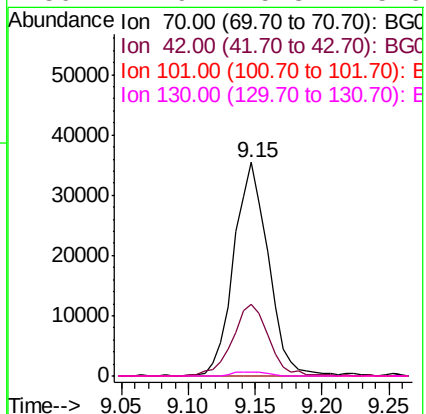
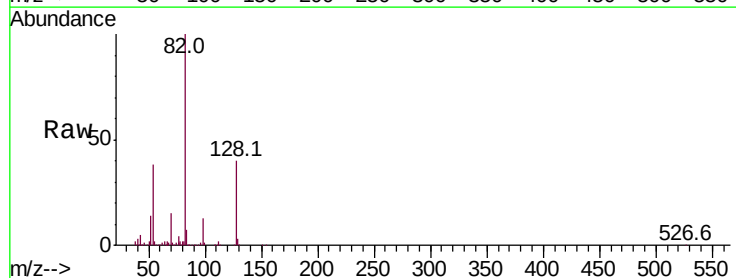
Ion Ratio Lower Upper

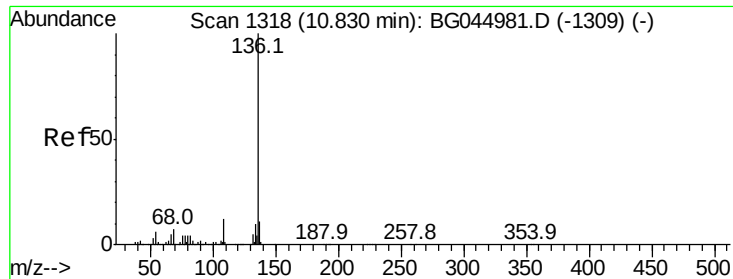
70 100

42 33.5 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

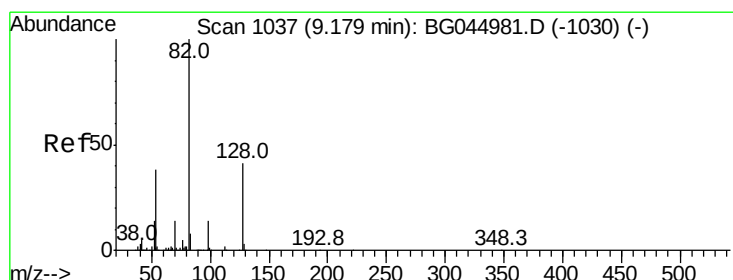
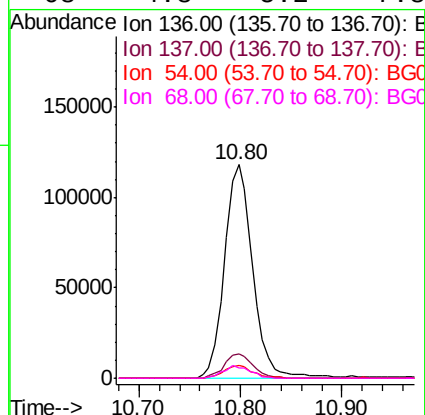
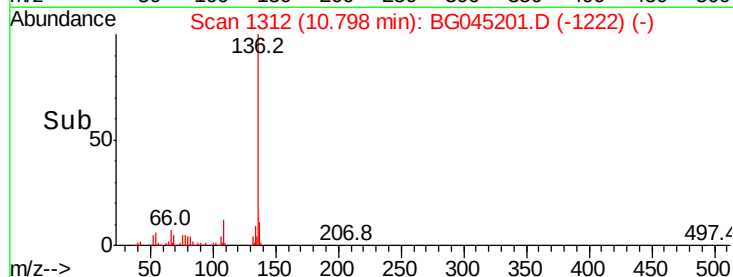
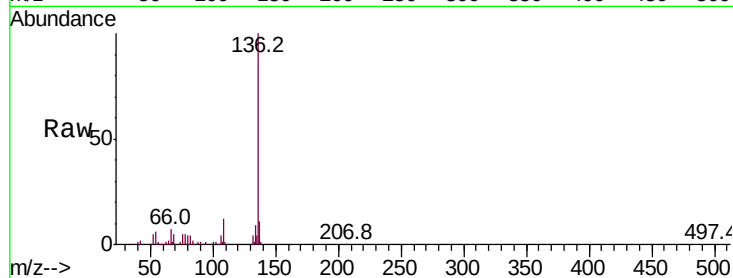




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG045201.D
Acq: 29 Apr 2020 12:20

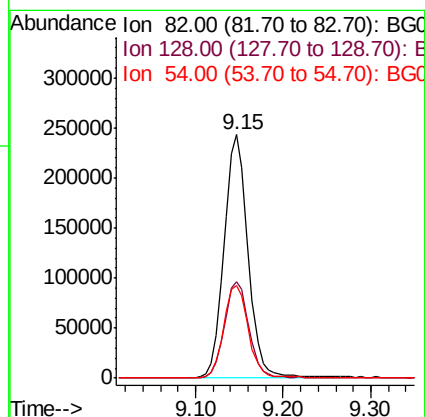
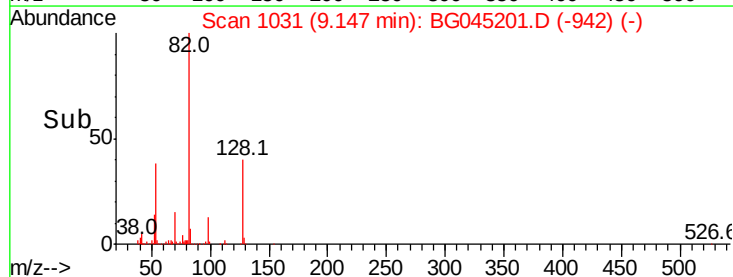
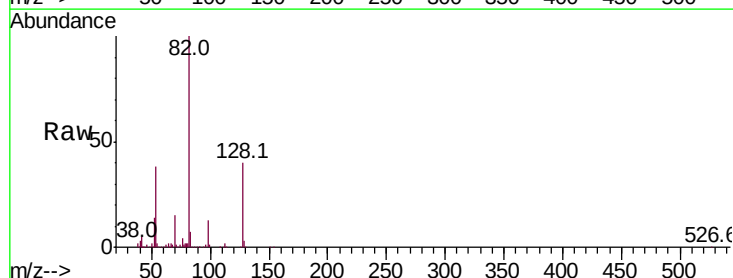
Instrument :
BNA_G
ClientSampleId :
PB128519BL

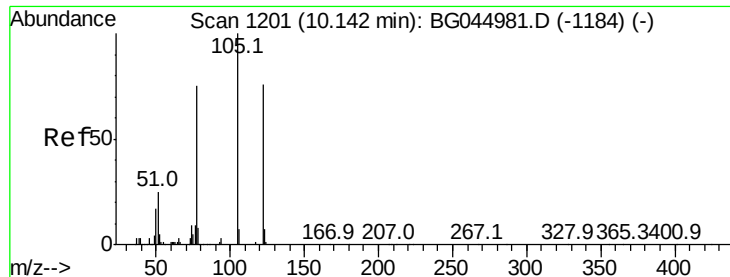
Tot Ion:136	Resp:	227766
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.6	13.0
54 6.0	4.8	7.2
68 4.8	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 92.372 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045201.D
Acq: 29 Apr 2020 12:20

Tgt	Ion: 82	Resp:	461095
Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.0	49.4
54	38.3	30.4	45.6





#32

Benzoic acid

Concen: 6.392 ng

RT: 9.67 min Scan# 1120

Delta R.T. -0.46 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

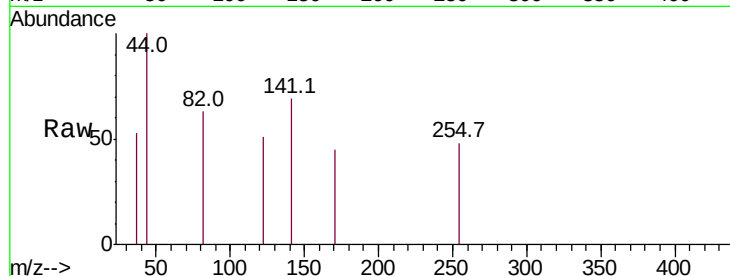
Tot Ion:122 Resp: 61

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

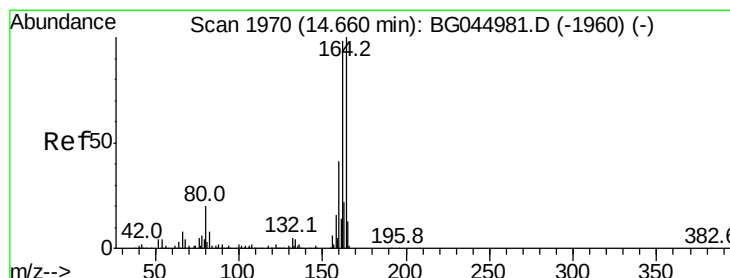
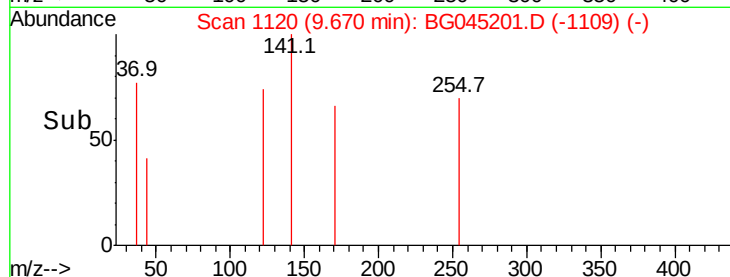
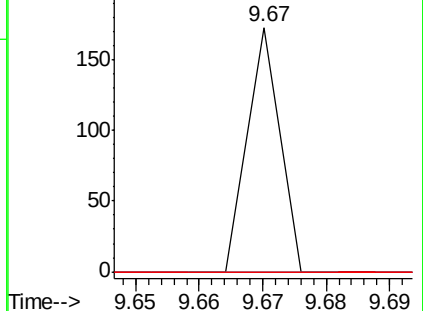
77 0.0 78.8 118.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

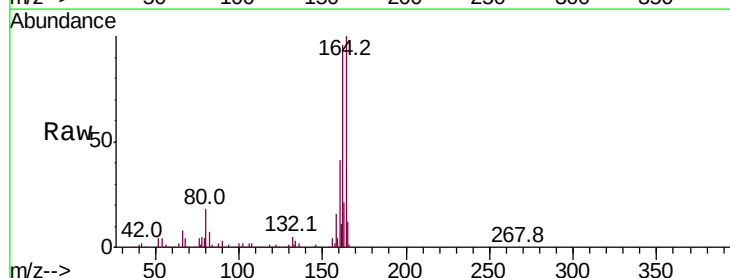
Tgt Ion:164 Resp: 172541

Ion Ratio Lower Upper

164 100

162 95.6 78.7 118.1

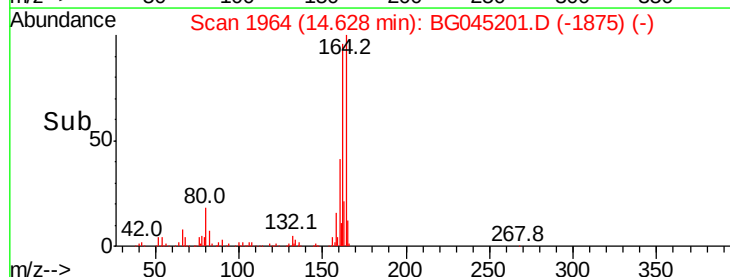
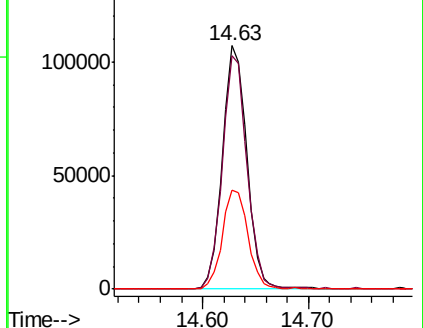
160 40.8 32.8 49.2

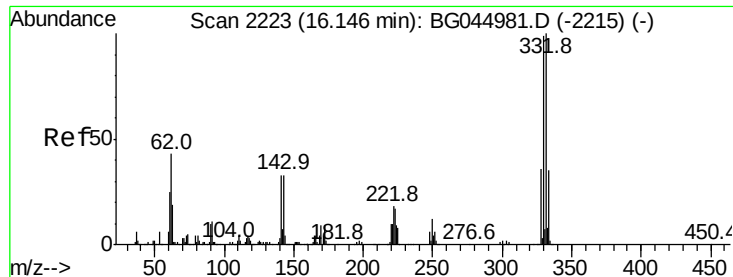


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

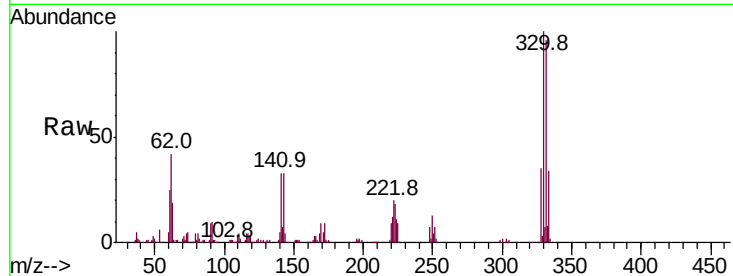




#42
2,4,6-Tribromophenol
Concen: 96.731 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BG045201.D
Acq: 29 Apr 2020 12:20

Instrument :
BNA_G
ClientSampleId :
PB128519BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	34.1	27.1	40.7

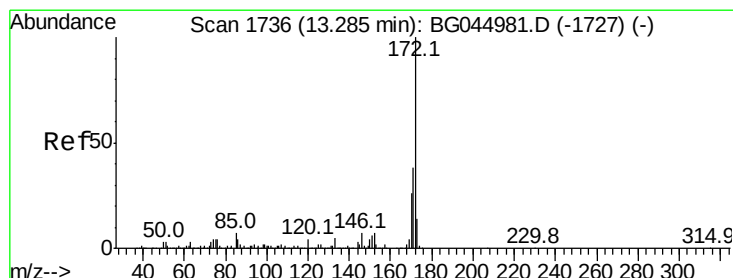
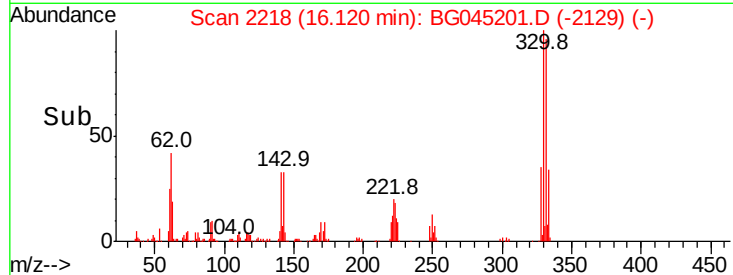
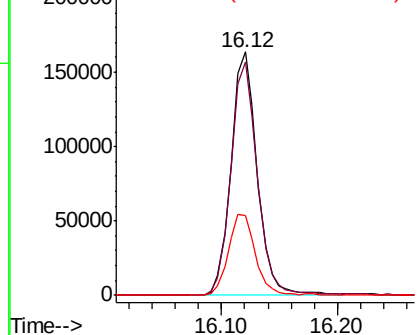


Abundance

Ion 329.80 (329.50 to 330.50): E

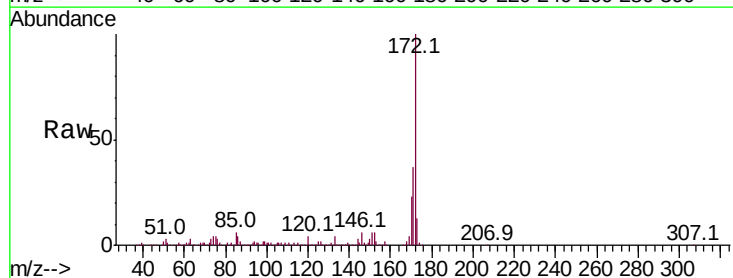
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 93.038 ng
RT: 13.25 min Scan# 1730
Delta R.T. 0.00 min
Lab File: BG045201.D
Acq: 29 Apr 2020 12:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	46.0
170	23.4	20.5	30.7

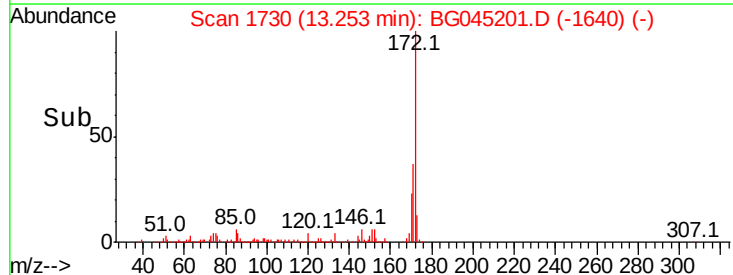
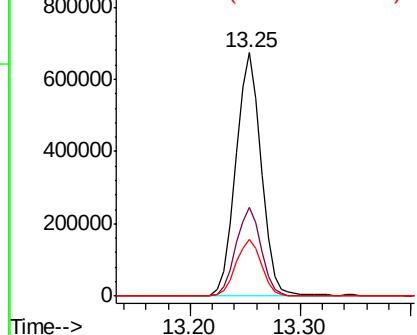


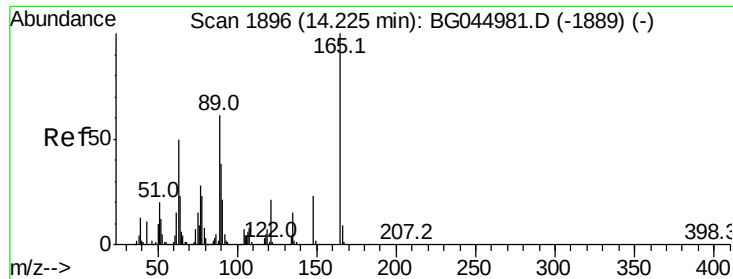
Abundance

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

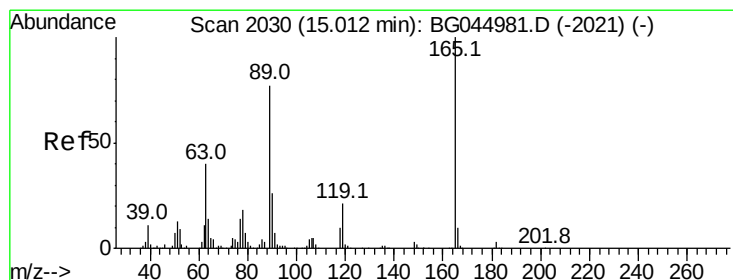
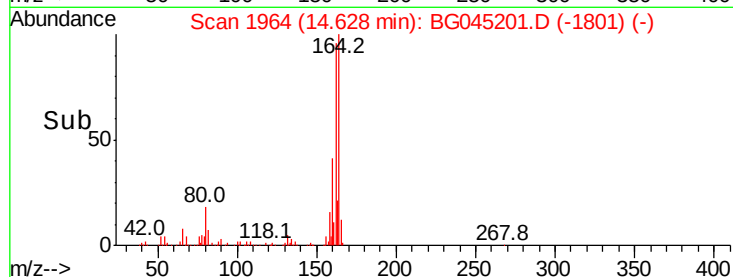
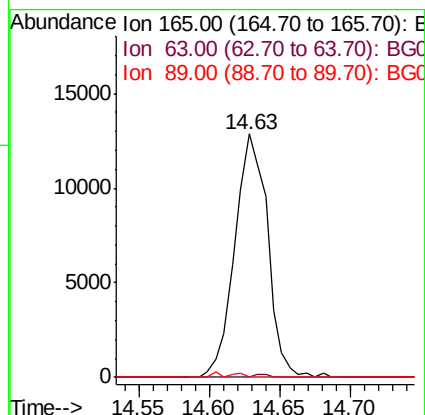
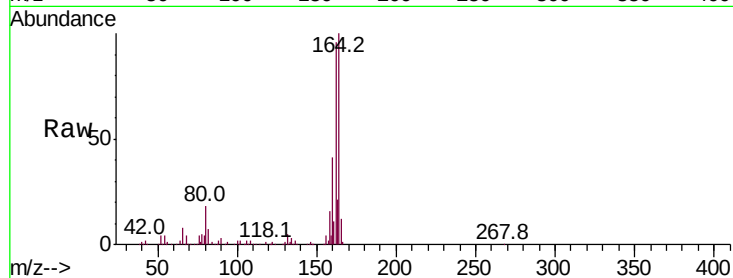




#51
 2,6-Dinitrotoluene
 Concen: 6.634 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.43 min
 Lab File: BG045201.D
 Acq: 29 Apr 2020 12:20

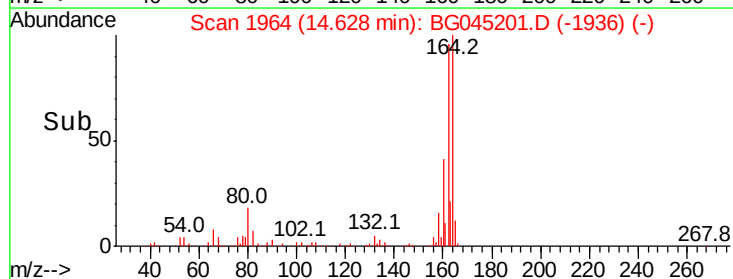
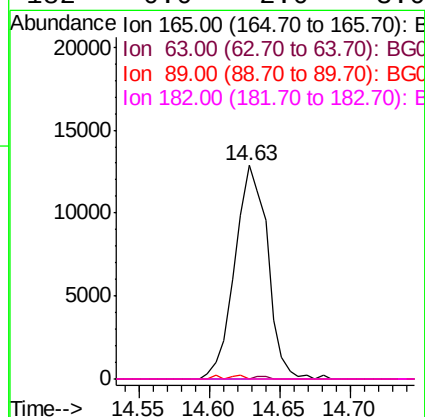
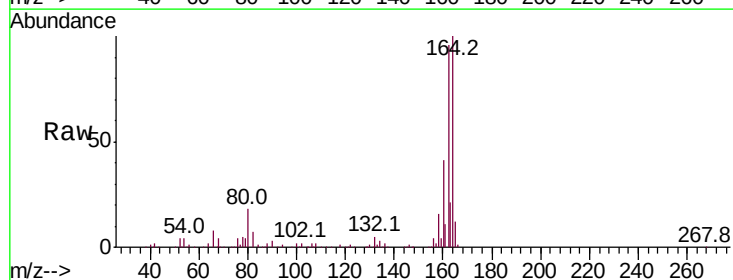
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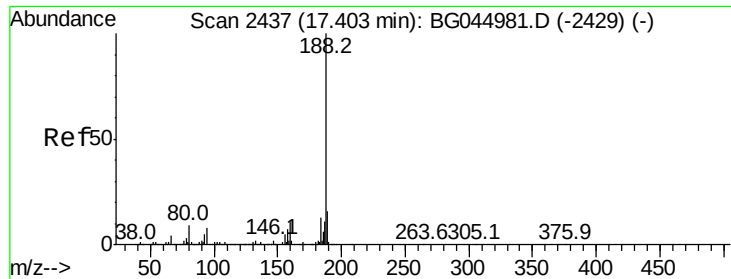
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	0.0	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.539 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.36 min
 Lab File: BG045201.D
 Acq: 29 Apr 2020 12:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	0.0	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

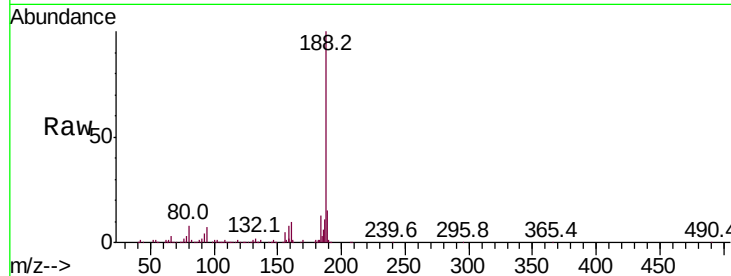
Tot Ion:188 Resp: 435803

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

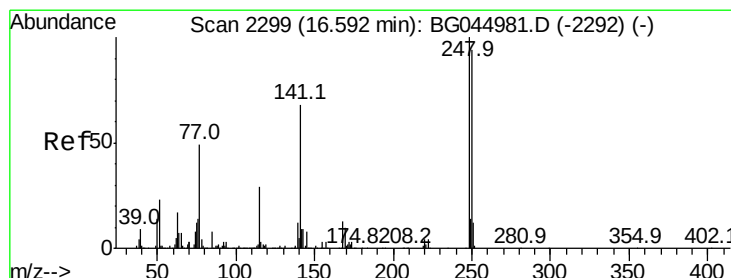
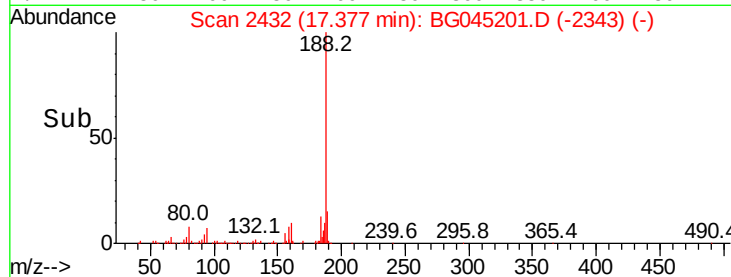
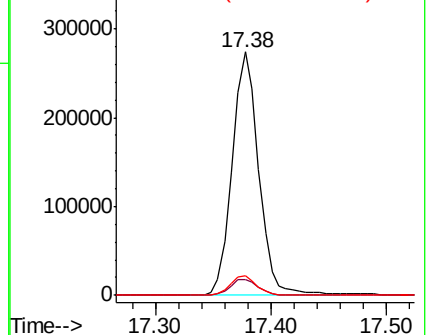
80 8.0 7.0 10.6



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: 3.111 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

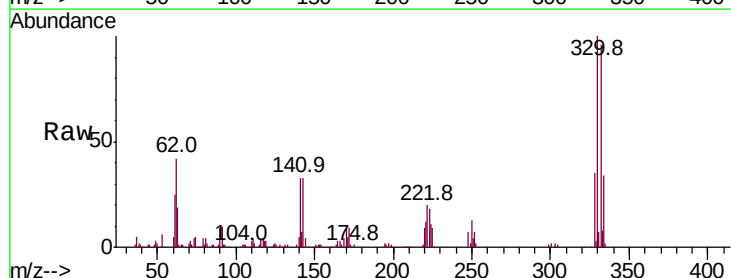
Tgt Ion:248 Resp: 17488

Ion Ratio Lower Upper

248 100

250 191.4 75.4 113.2#

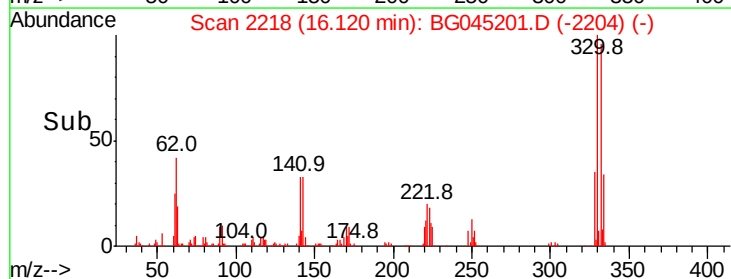
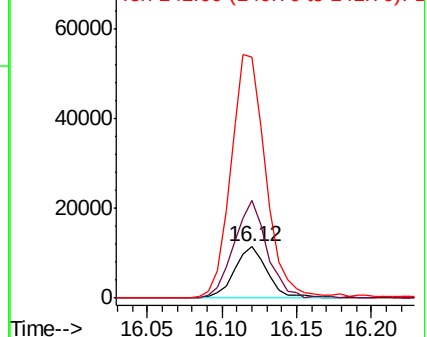
141 471.8 54.4 81.6#

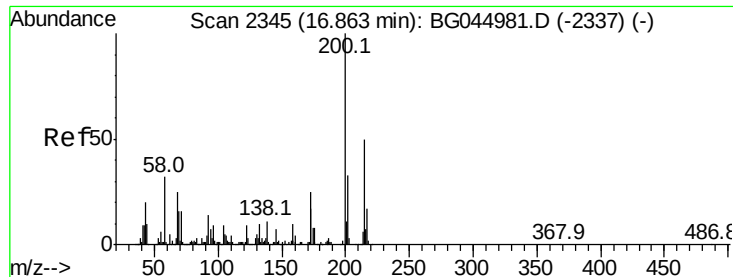


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.88 min Scan# 2347

Delta R.T. 0.04 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

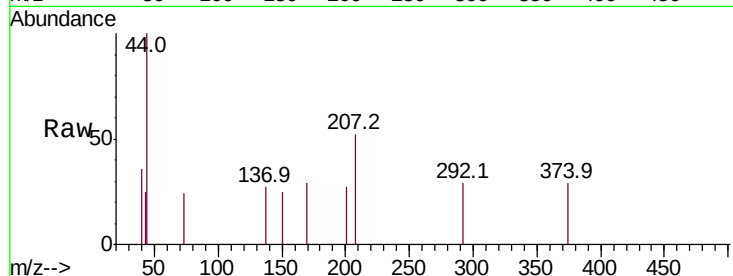
Tot Ion:200 Resp: 63

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#

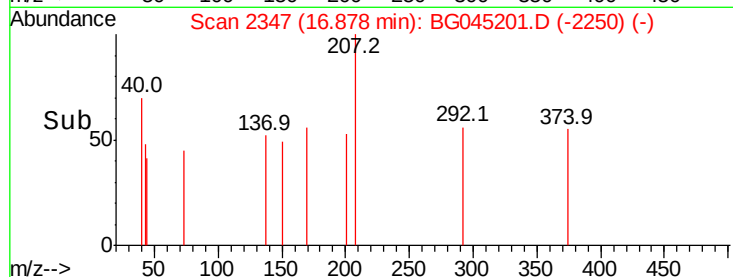


Abundance Ion 200.00 (199.70 to 200.70): E

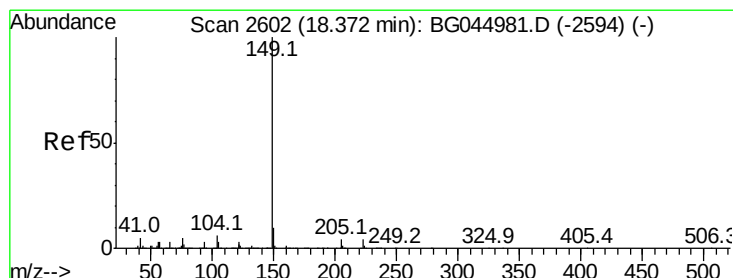
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.88



Time--> 16.86 16.88



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.35 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

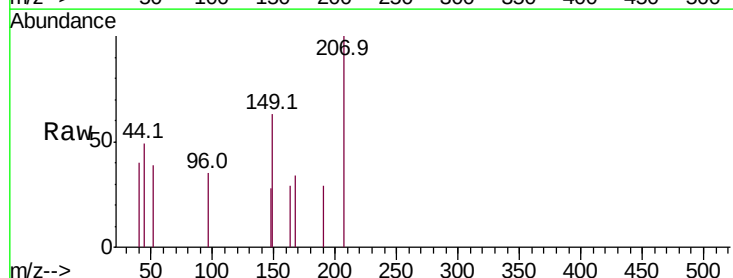
Tgt Ion:149 Resp: 292

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 4.8 7.2#

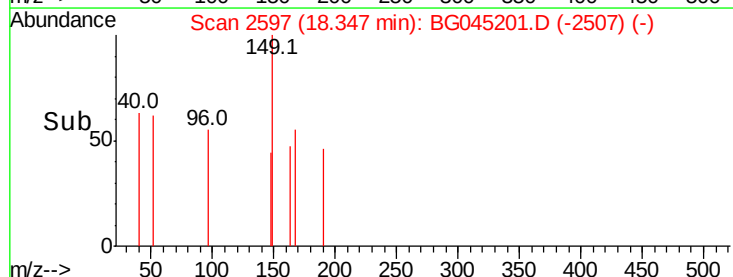


Abundance Ion 149.00 (148.70 to 149.70): E

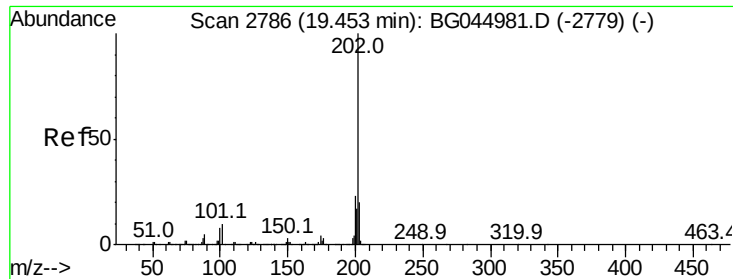
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.35



Time--> 18.32 18.34 18.36



#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2787

Delta R.T. 0.03 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

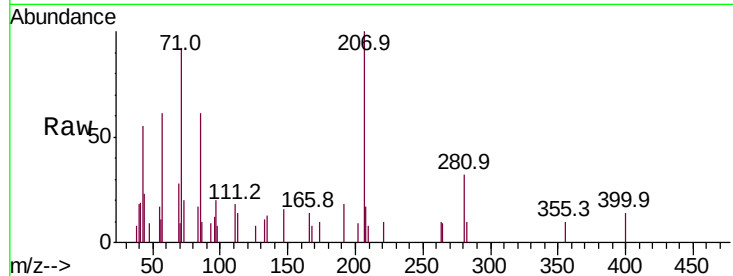
Tot Ion:202 Resp: 60

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

203 0.0 0.0 39.7



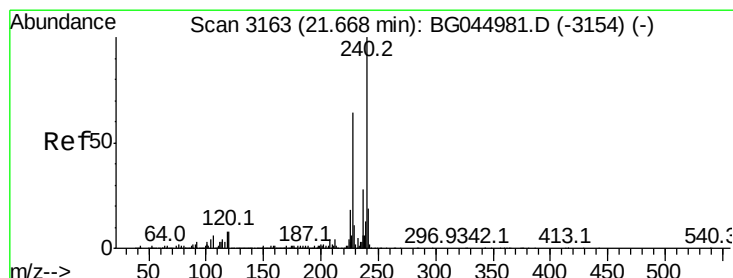
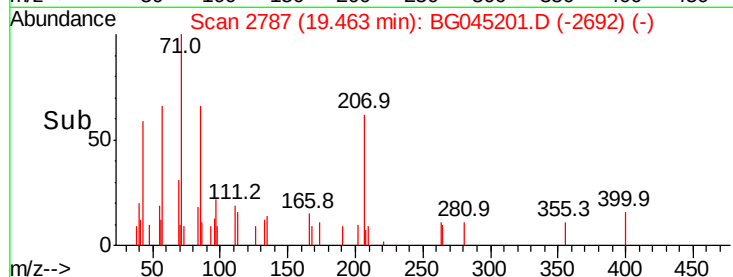
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.46

Time--> 19.44 19.46 19.48



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

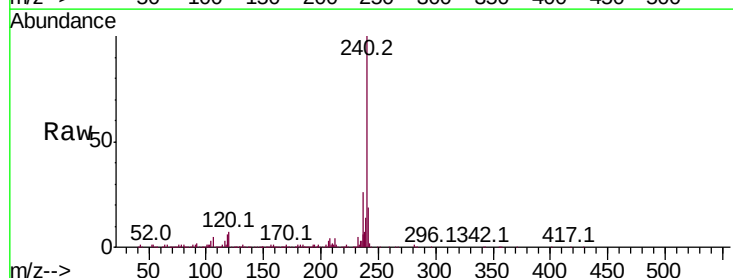
Tgt Ion:240 Resp: 483914

Ion Ratio Lower Upper

240 100

120 6.5 6.6 10.0#

236 25.9 22.2 33.2



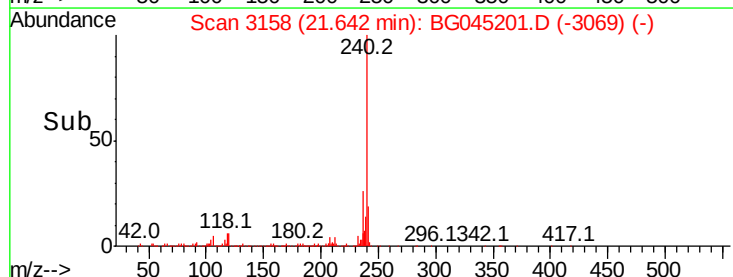
Abundance Ion 240.00 (239.70 to 240.70): E

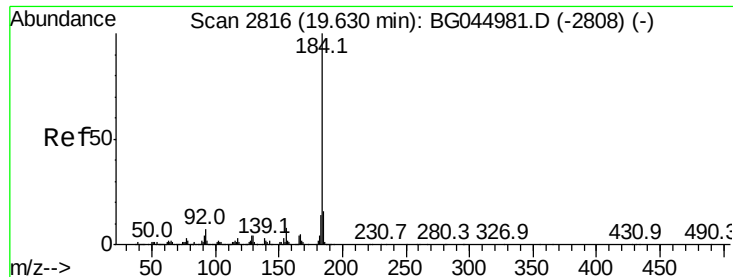
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.64

Time--> 21.60 21.70 21.80





#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB128519BL

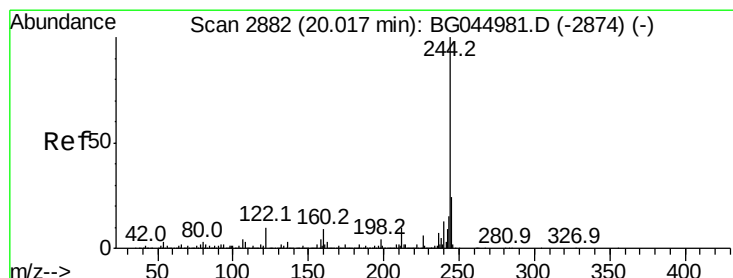
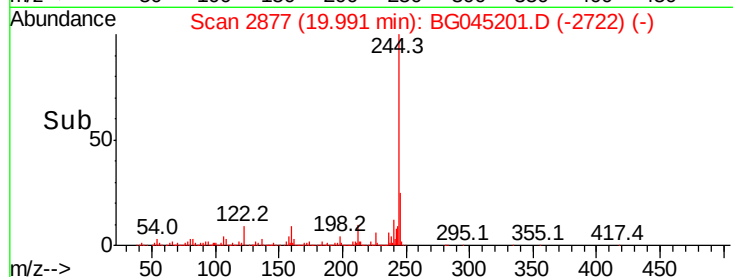
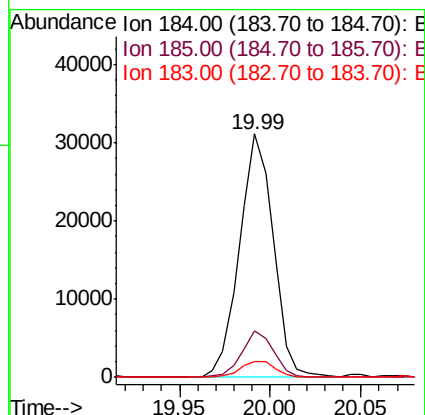
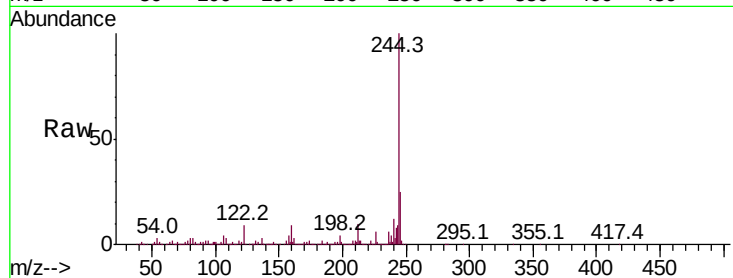
Tot Ion:184 Resp: 40563

Ion Ratio Lower Upper

184 100

185 19.3 12.6 19.0#

183 6.6 11.3 16.9#



#79

Terphenyl-d14

Concen: 97.502 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045201.D

Acq: 29 Apr 2020 12:20

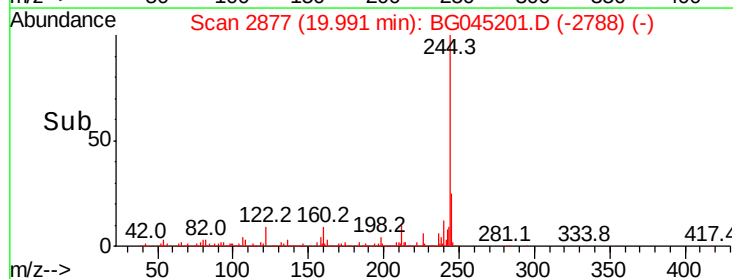
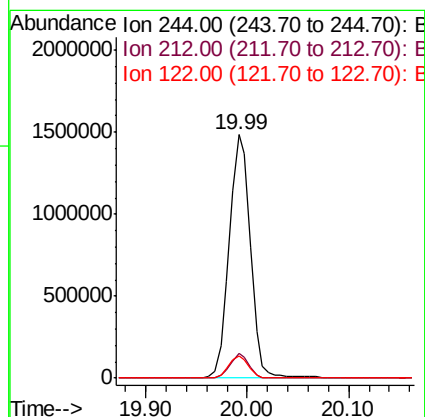
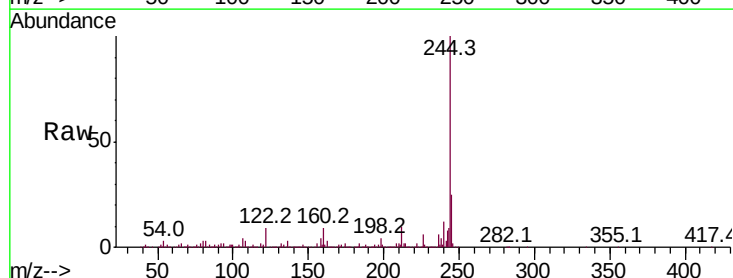
Tgt Ion:244 Resp: 2164776

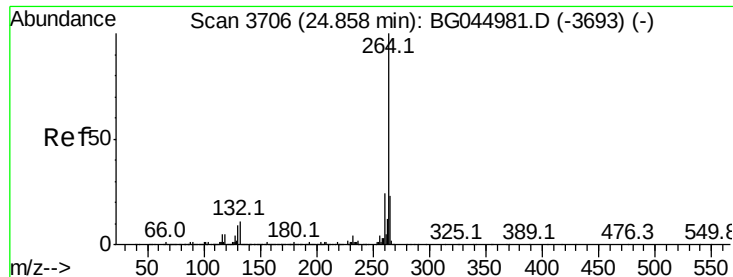
Ion Ratio Lower Upper

244 100

212 10.1 7.9 11.9

122 9.2 7.7 11.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: BG045201.D
 Acq: 29 Apr 2020 12:20

Instrument :
 BNA_G
 ClientSampleId :
 PB128519BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.3	19.0	28.4

