

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG041620\
 Data File : BG045008.D
 Acq On : 16 Apr 2020 16:11
 Operator : CG/JU
 Sample : PB128259BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128259BL

Quant Time: Apr 16 17:12:59 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 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	62438	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	271004	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	217629	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	536706	20.00	ng	0.00
76) Chrysene-d12	21.66	240	533183	20.00	ng	0.00
87) Perylene-d12	24.85	264	566145	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	508479	134.45	ng	0.00
7) Phenol-d6	7.18	99	774035	137.75	ng	0.00
23) Nitrobenzene-d5	9.17	82	523898	88.21	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	478634	142.36	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1308026	88.13	ng	0.00
79) Terphenyl-d14	20.01	244	2377158	97.17	ng	0.00

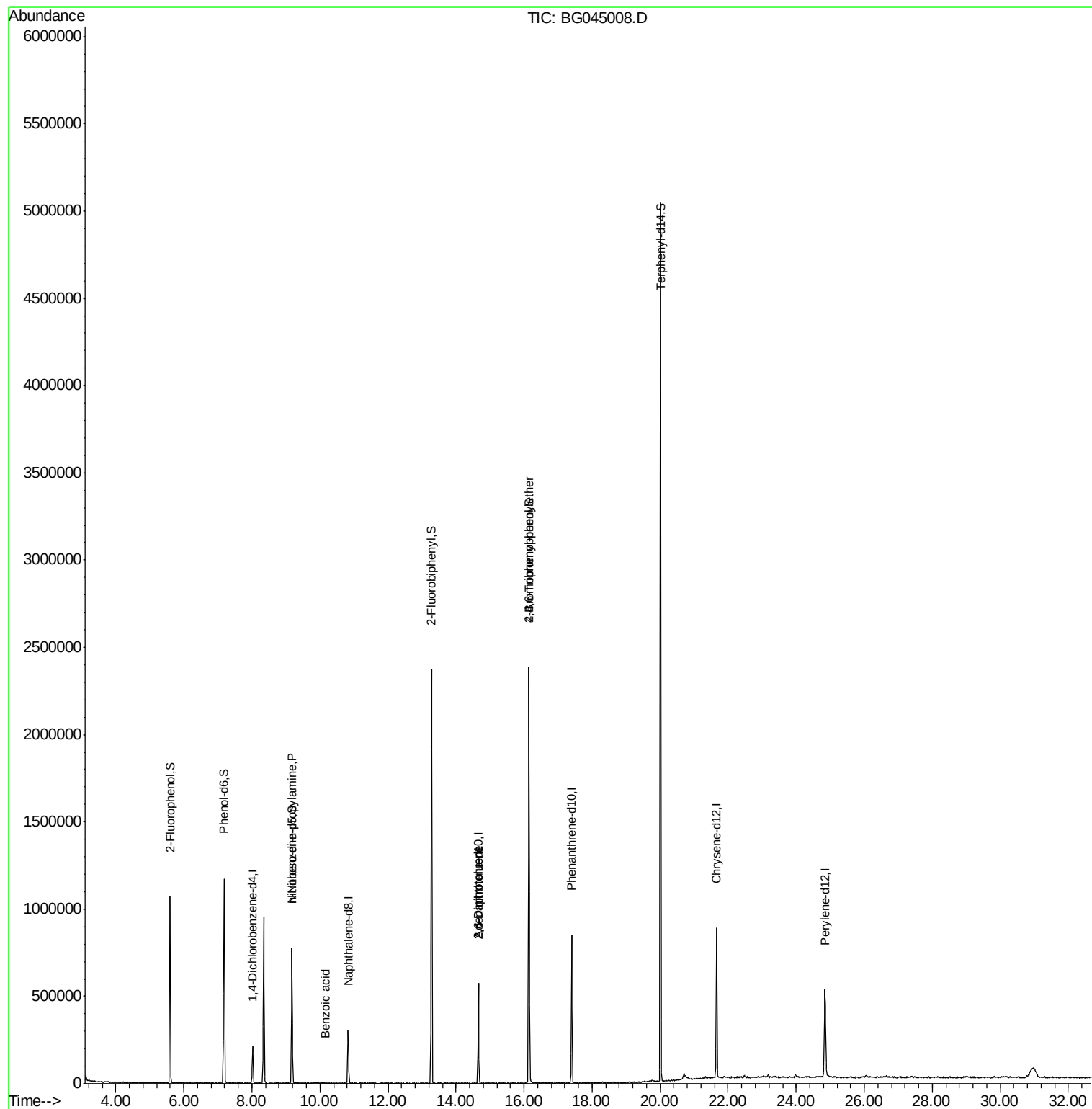
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1595	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	71369	17.960	ng	79
32) Benzoic acid	10.15	122	387	6.474	ng	23
51) 2,6-Dinitrotoluene	14.66	165	28049	7.077	ng	25
57) 2,4-Dinitrotoluene	14.66	165	28049	4.842	ng	23
67) 4-Bromophenyl-phenylether	16.14	248	32523	4.697	ng	1
69) Atrazine	16.95	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	653	Below Cal	#	76
75) Fluoranthene	19.57	202	97	Below Cal	#	62
77) Benzidine	20.01	184	44975	Below Cal	#	93

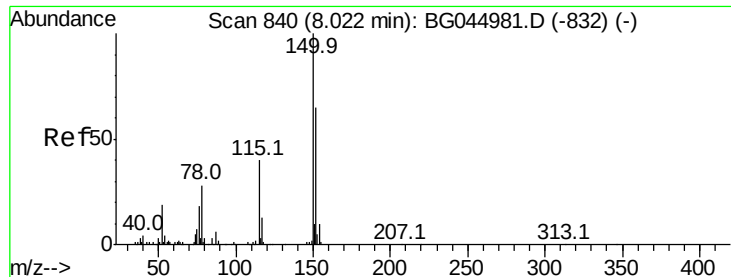
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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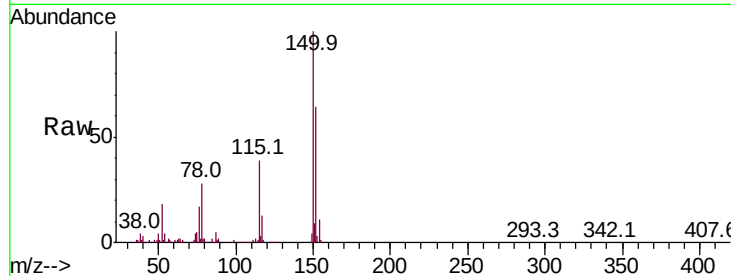


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BG045008.D
 Acq: 16 Apr 2020 16:11

Instrument :
 BNA_G
 ClientSampleId :
 PB128259BL

Tot Ion	152	Resp	62438
Ion Ratio	Lower	Upper	
152	100		
150	156.6	123.6	185.4
115	60.4	49.1	73.7

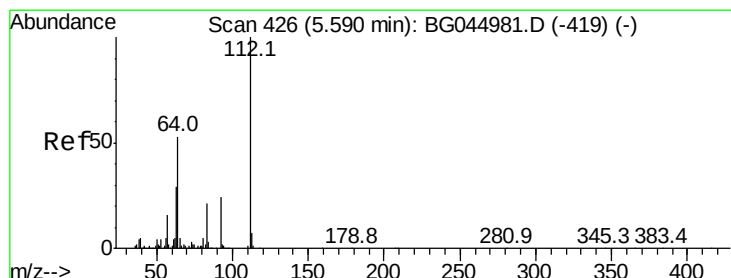
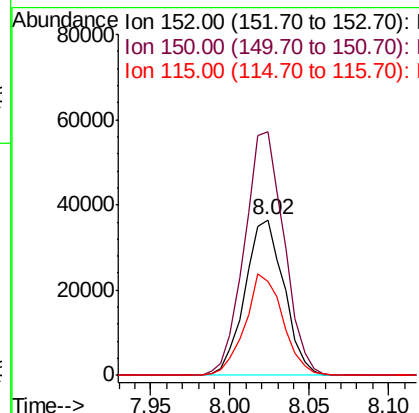
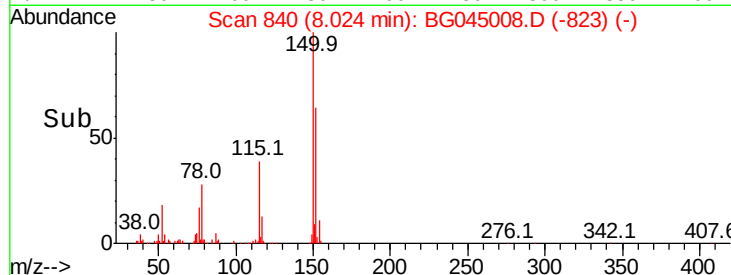


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

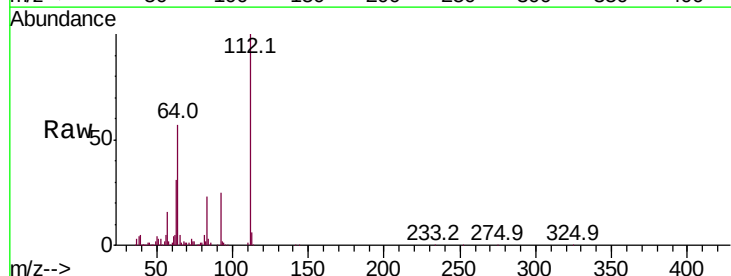
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 134.449 ng
 RT: 5.59 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BG045008.D
 Acq: 16 Apr 2020 16:11

Tgt Ion	112	Resp	508479
Ion Ratio	Lower	Upper	
112	100		
64	56.7	42.4	63.6
63	30.7	23.1	34.7

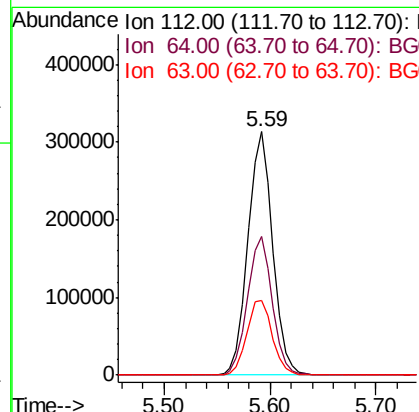
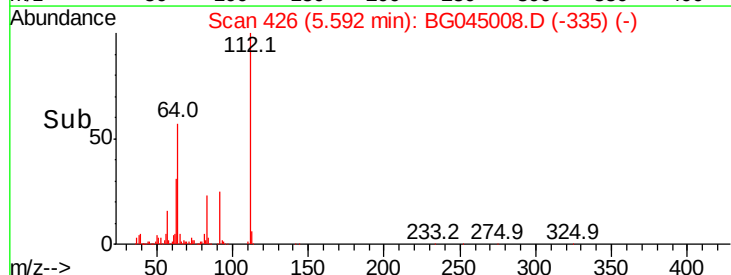


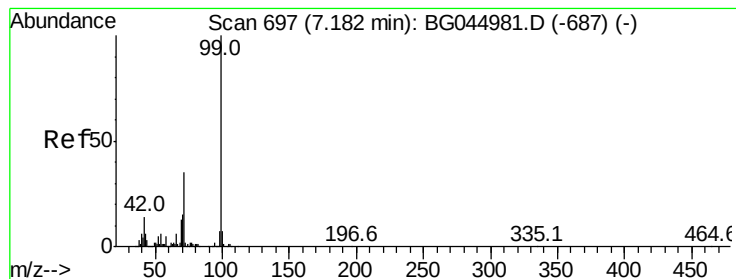
Abundance

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: 137.752 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB128259BL

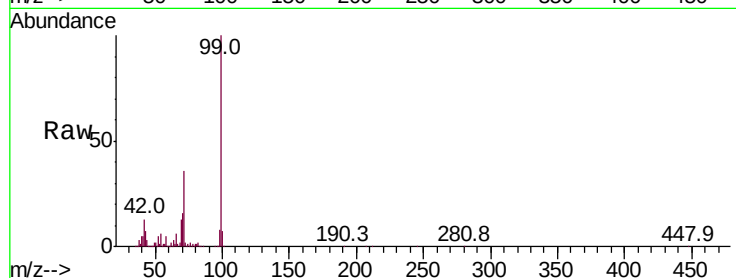
Tot Ion: 99 Resp: 774035

Ion Ratio Lower Upper

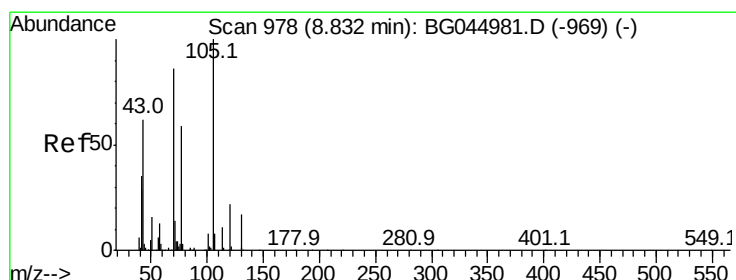
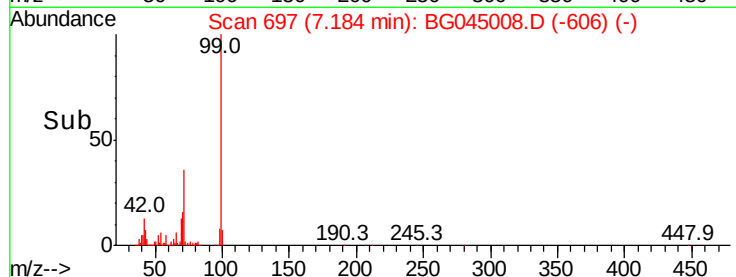
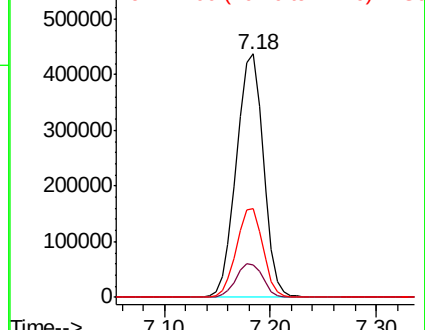
99 100

42 13.5 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: 17.960 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Tgt Ion: 70 Resp: 71369

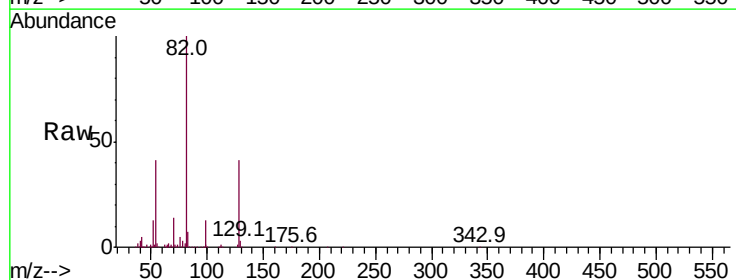
Ion Ratio Lower Upper

70 100

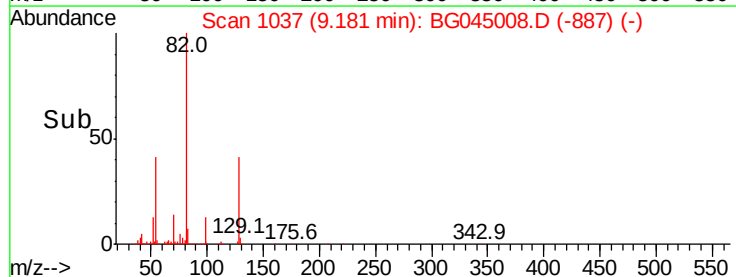
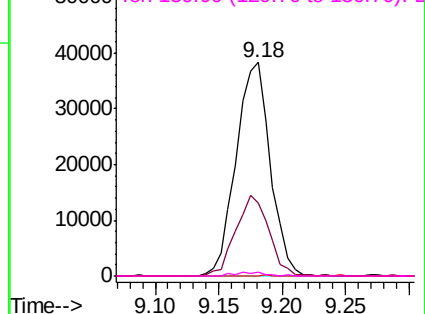
42 34.3 33.3 49.9

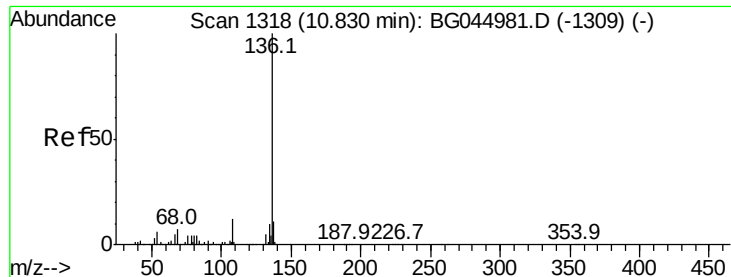
101 0.0 7.8 11.8#

130 2.1 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

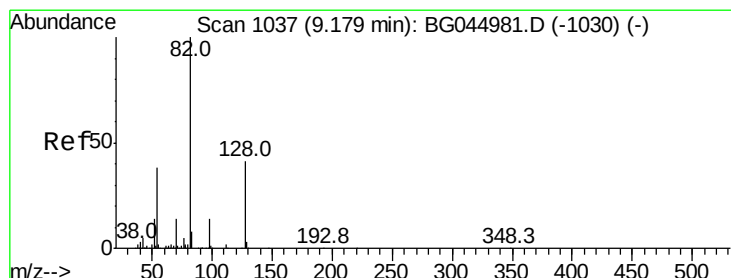
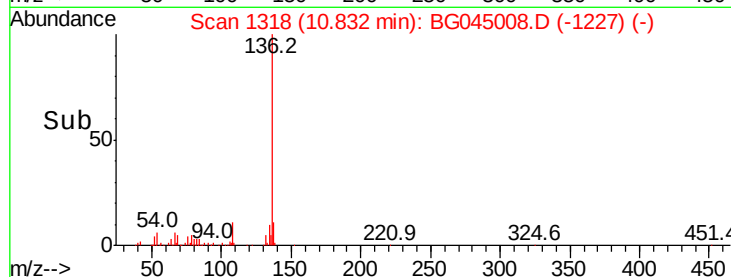
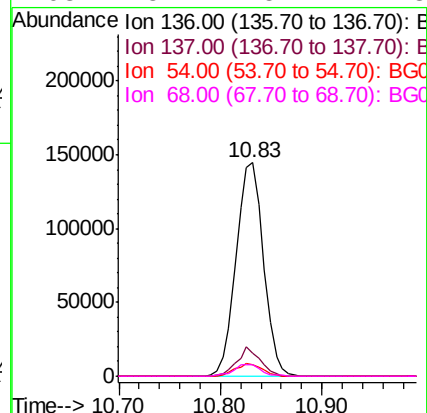
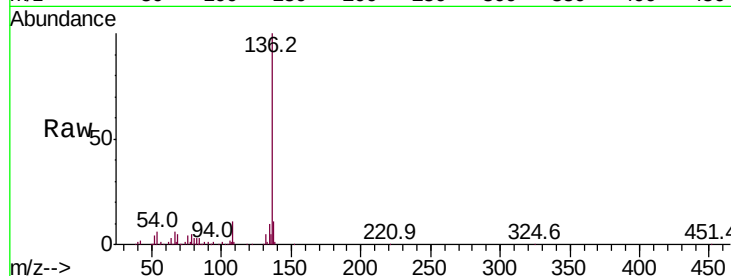




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG045008.D
Acq: 16 Apr 2020 16:11

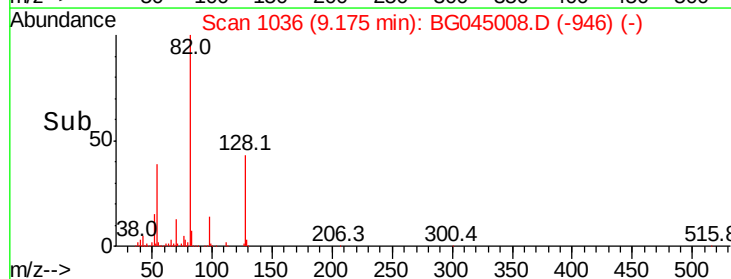
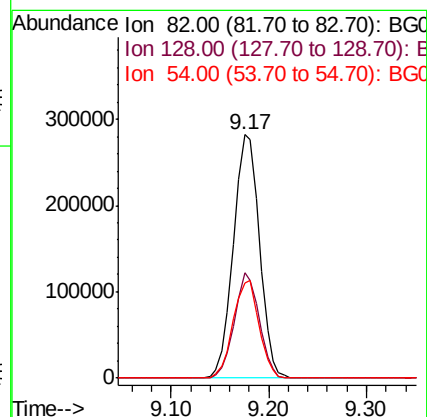
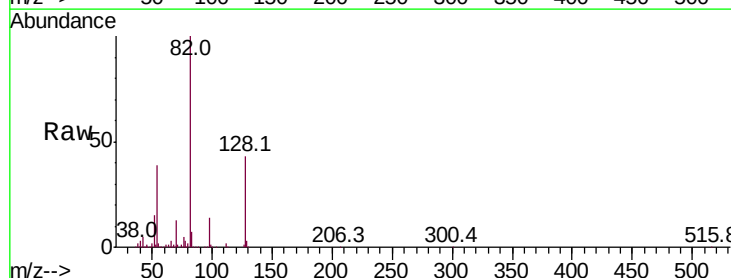
Instrument :
BNA_G
ClientSampleId :
PB128259BL

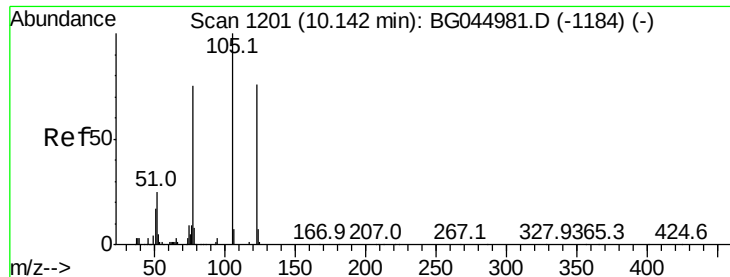
Tot Ion:	136	Resp:	271004
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	5.5	4.8	7.2
68	5.4	5.2	7.8



#23
Nitrobenzene-d5
Concen: 88.208 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045008.D
Acq: 16 Apr 2020 16:11

Tgt Ion:	82	Resp:	523898
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.0	49.4
54	39.3	30.4	45.6





#32

Benzoic acid

Concen: 6.474 ng

RT: 10.15 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB128259BL

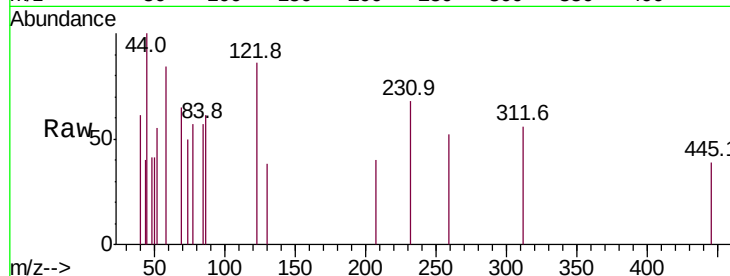
Tot Ion:122 Resp: 387

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

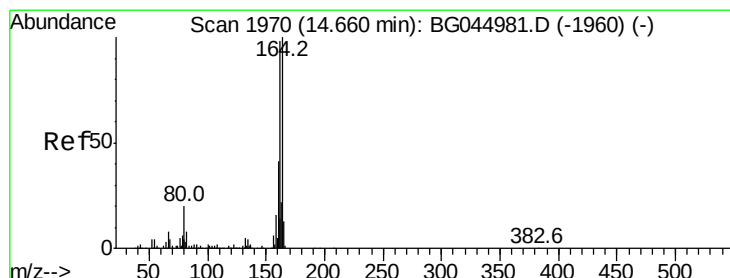
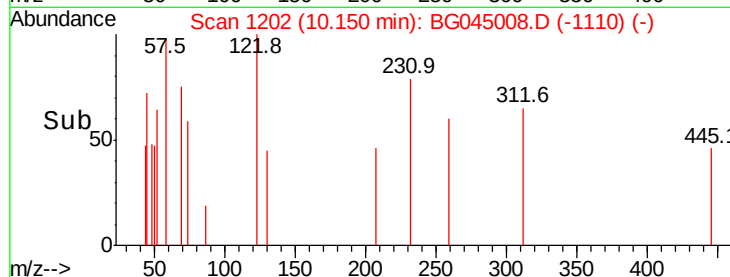
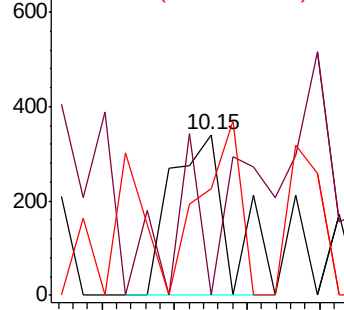
77 66.8 78.8 118.8#



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): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

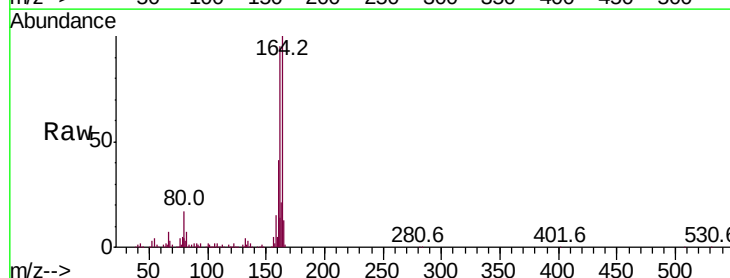
Tgt Ion:164 Resp: 217629

Ion Ratio Lower Upper

164 100

162 95.0 78.7 118.1

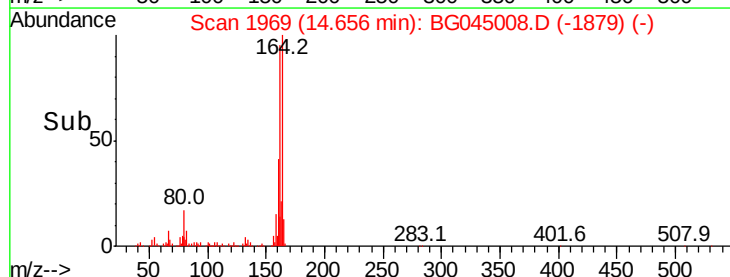
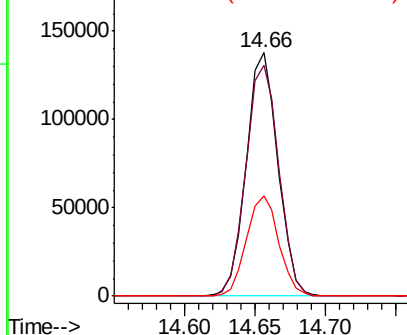
160 41.4 32.8 49.2

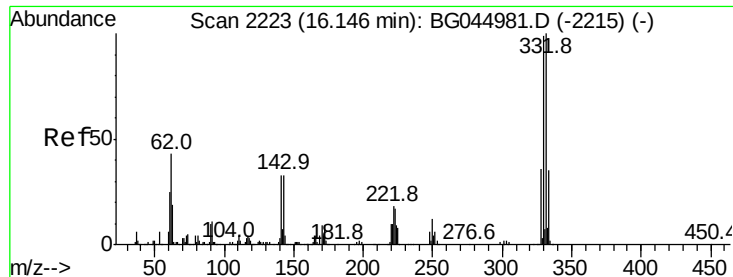


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

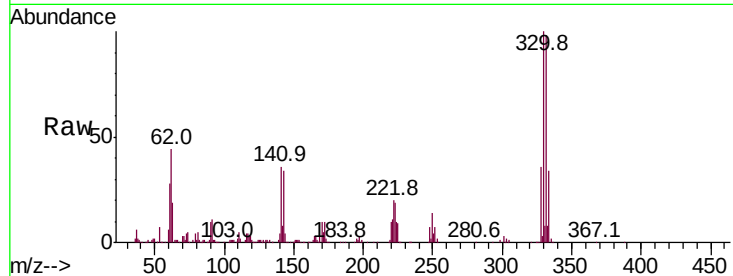




#42
 2,4,6-Tribromophenol
 Concen: 142.362 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045008.D
 Acq: 16 Apr 2020 16:11

Instrument :
 BNA_G
 ClientSampleId :
 PB128259BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	79.1	118.7
141	34.8	27.1	40.7

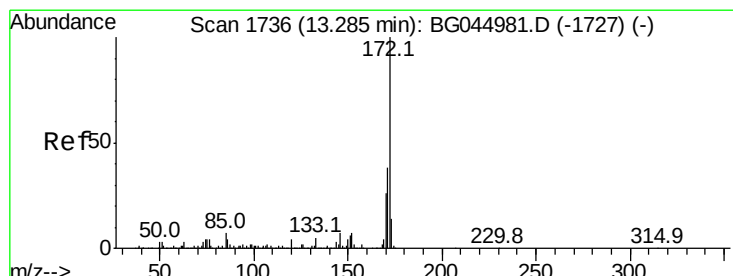
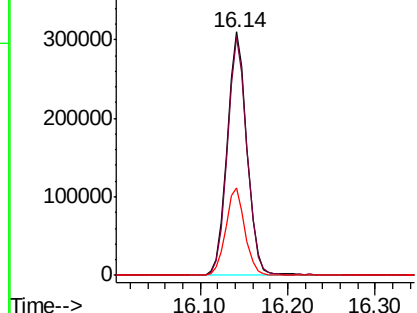
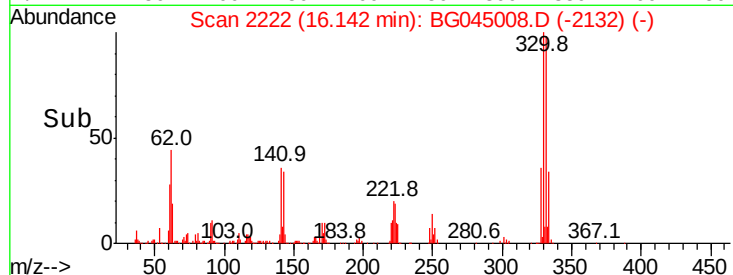


Abundance

Ion 329.80 (329.50 to 330.50): E

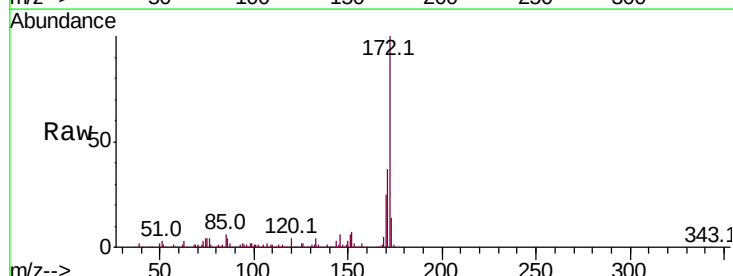
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.131 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045008.D
 Acq: 16 Apr 2020 16:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	46.0
170	24.6	20.5	30.7

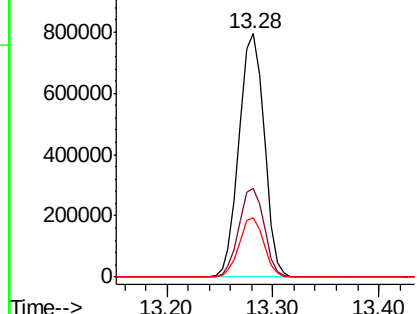
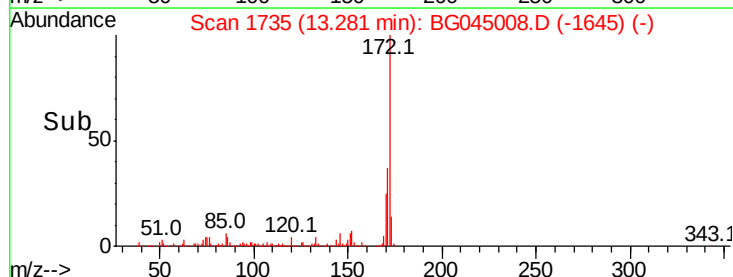


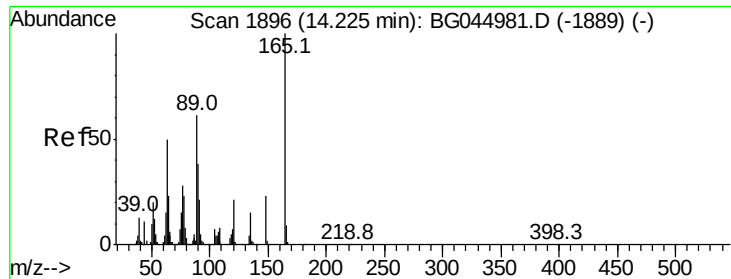
Abundance

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

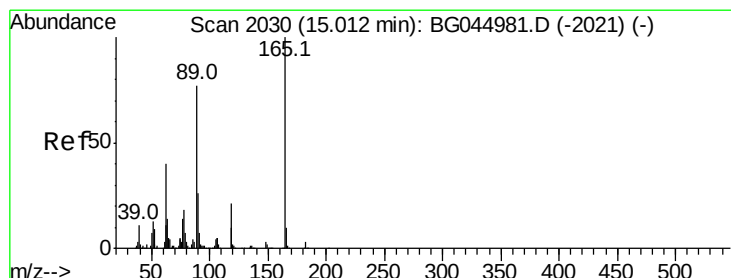
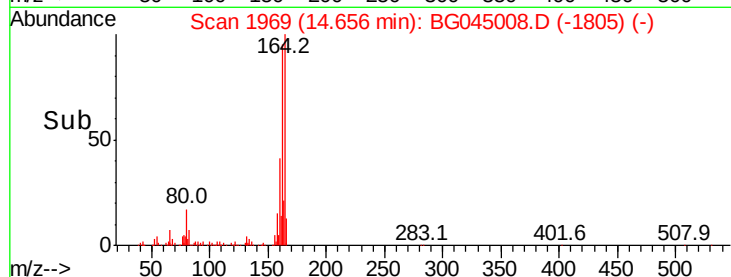
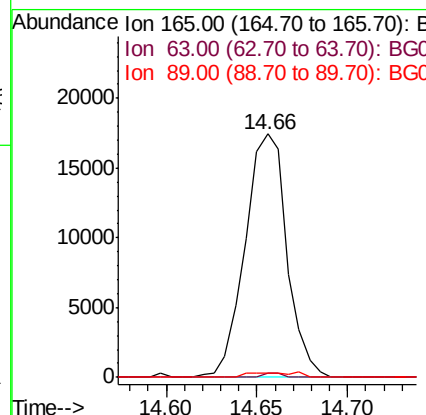
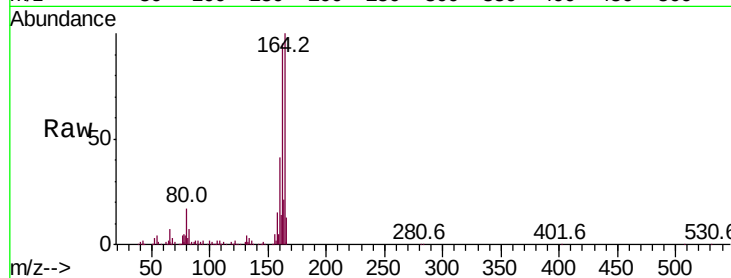




#51
 2,6-Dinitrotoluene
 Concen: 7.077 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045008.D
 Acq: 16 Apr 2020 16:11

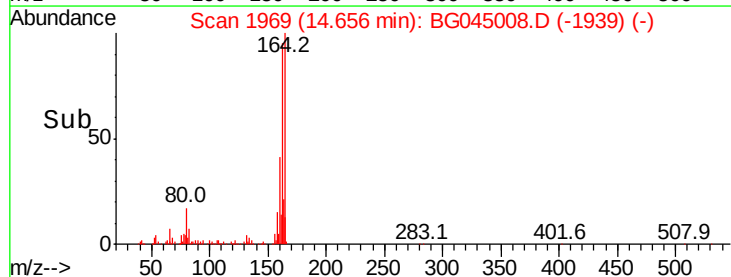
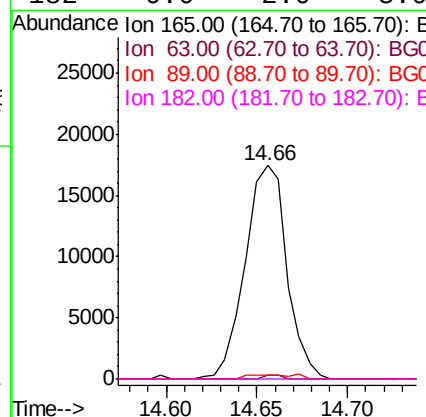
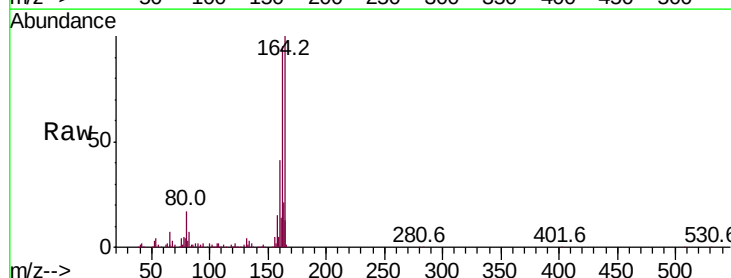
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 PB128259BL

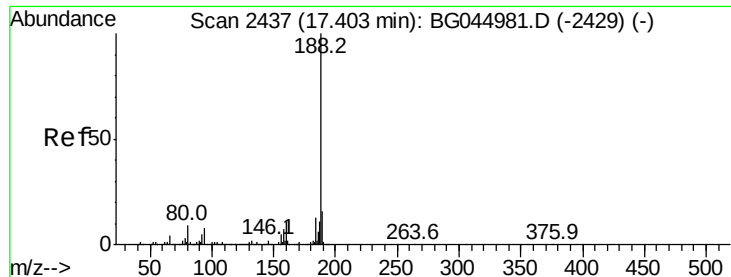
Tot Ion:165 Resp: 28049
 Ion Ratio Lower Upper
 165 100
 63 1.6 40.4 60.6#
 89 1.6 49.1 73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.842 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG045008.D
 Acq: 16 Apr 2020 16:11

Tgt Ion:165 Resp: 28049
 Ion Ratio Lower Upper
 165 100
 63 1.6 32.2 48.2#
 89 1.6 61.7 92.5#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB128259BL

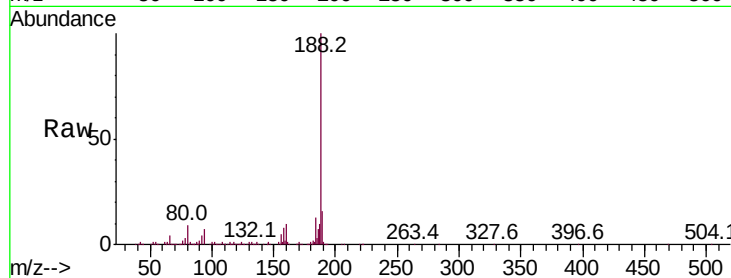
Tot Ion:188 Resp: 536706

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

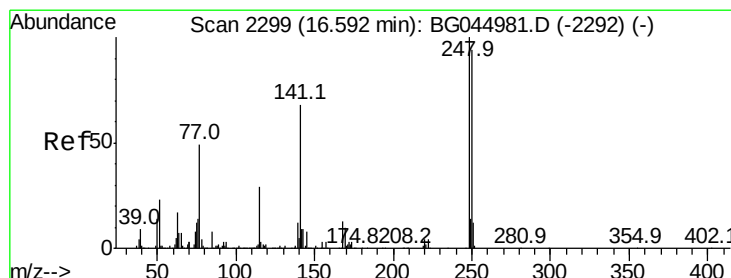
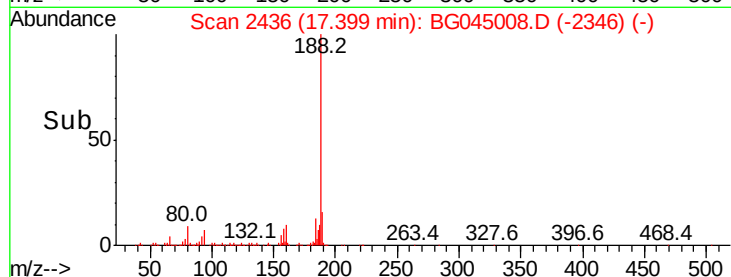
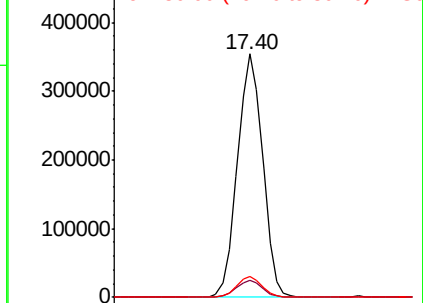
80 8.7 7.0 10.6



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: 4.697 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

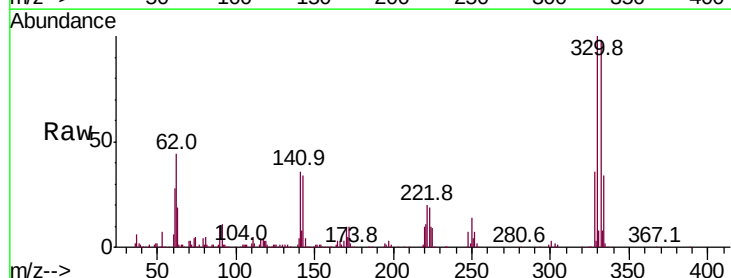
Tgt Ion:248 Resp: 32523

Ion Ratio Lower Upper

248 100

250 198.8 75.4 113.2#

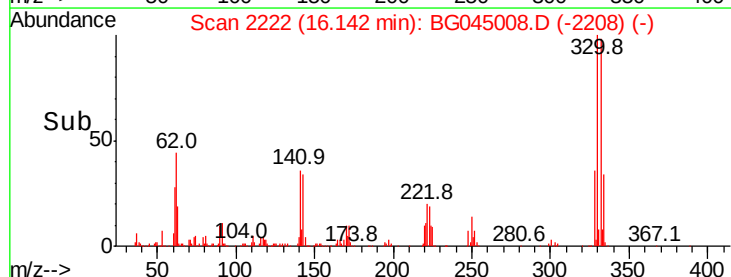
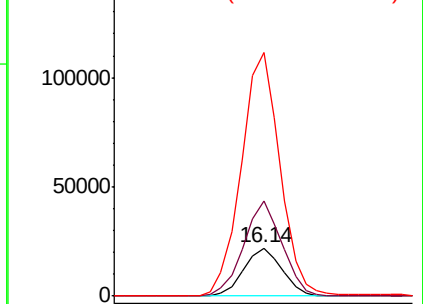
141 505.7 54.4 81.6#

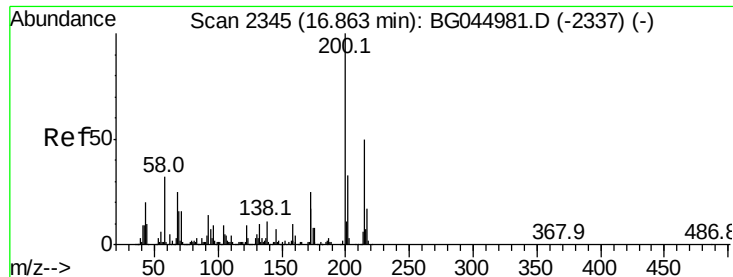


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.95 min Scan# 2359

Delta R.T. 0.08 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Instrument :

BNA_G

ClientSampled :

PB128259BL

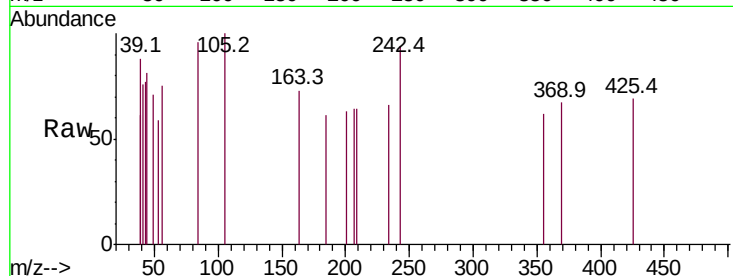
Tot Ion:200 Resp: 56

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

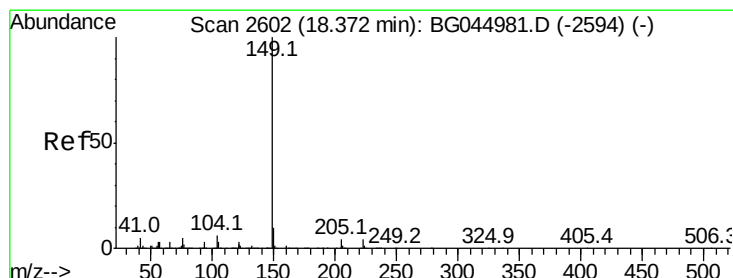
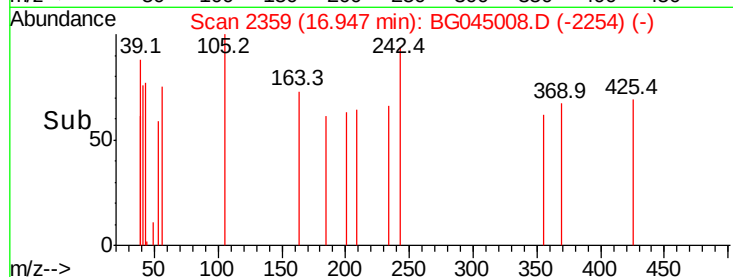
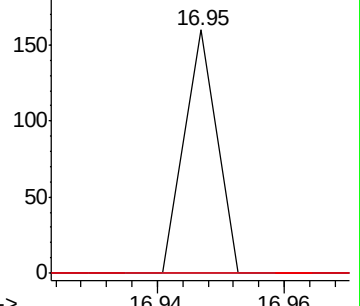
215 0.0 30.0 70.0#



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: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

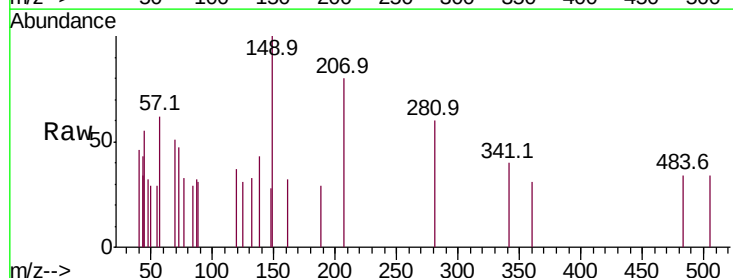
Tgt Ion:149 Resp: 653

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

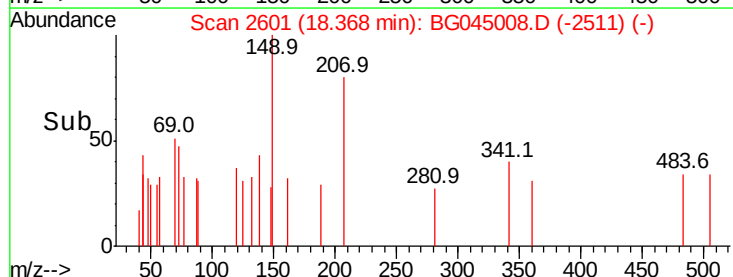
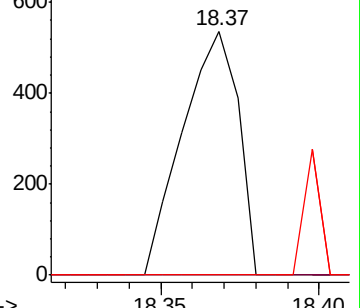
104 0.0 4.8 7.2#

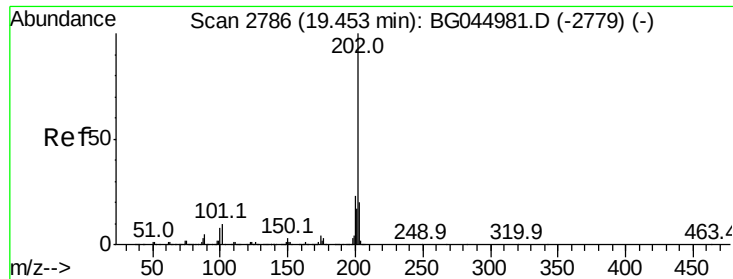


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.57 min Scan# 2805

Delta R.T. 0.11 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

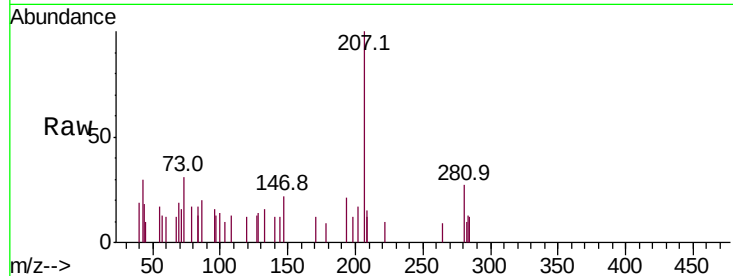
Instrument :

BNA_G

ClientSampleId :

PB128259BL

Tot Ion:	202	Resp:	97
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

19.57

300

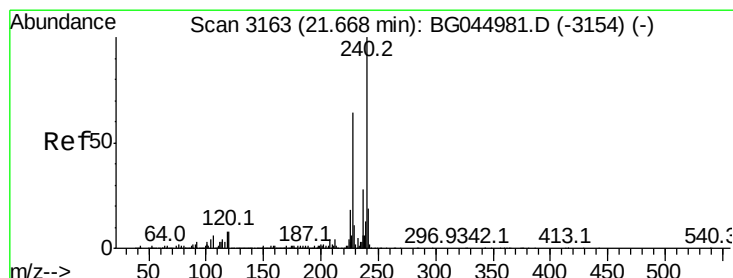
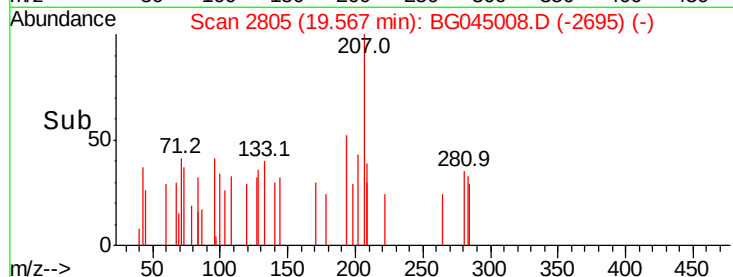
200

100

0

19.56 19.58

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

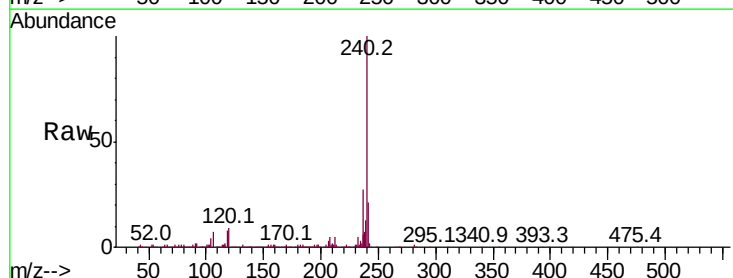
RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Tgt Ion:	240	Resp:	533183
Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.6	10.0
236	26.7	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

21.66

400000

300000

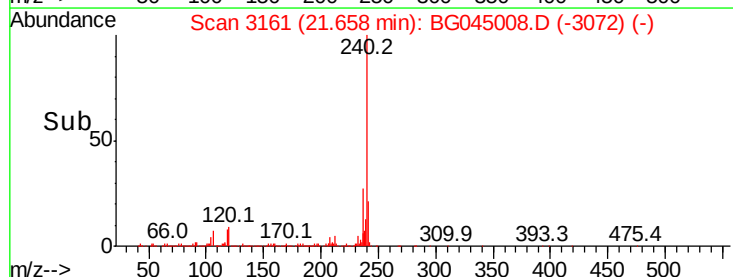
200000

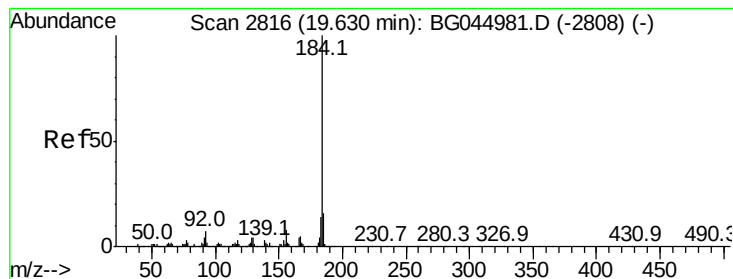
100000

0

21.60 21.70

Time-->





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB128259BL

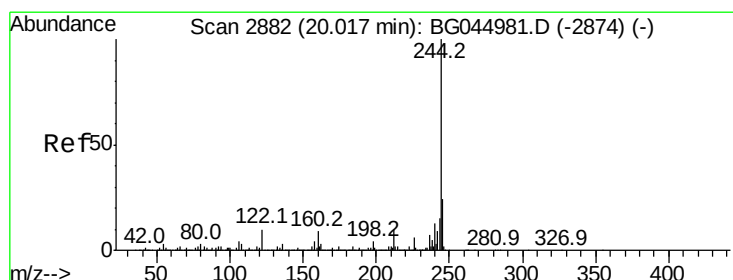
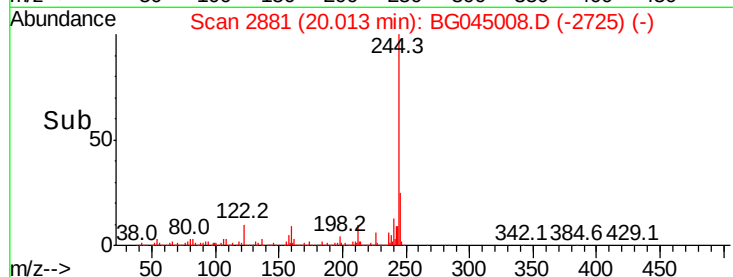
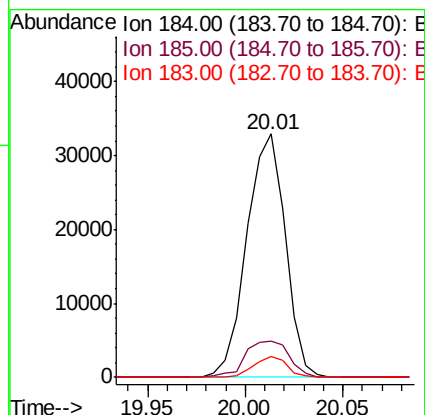
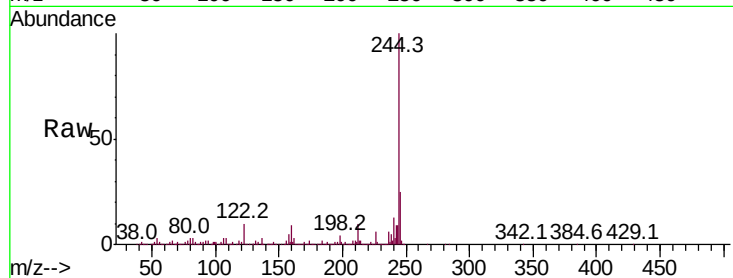
Tot Ion:184 Resp: 44975

Ion Ratio Lower Upper

184 100

185 14.8 12.6 19.0

183 8.8 11.3 16.9#



#79

Terphenyl-d14

Concen: 97.174 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

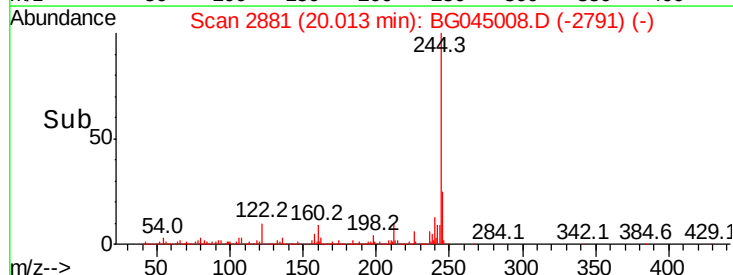
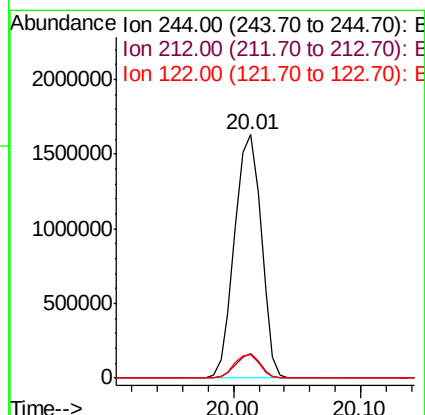
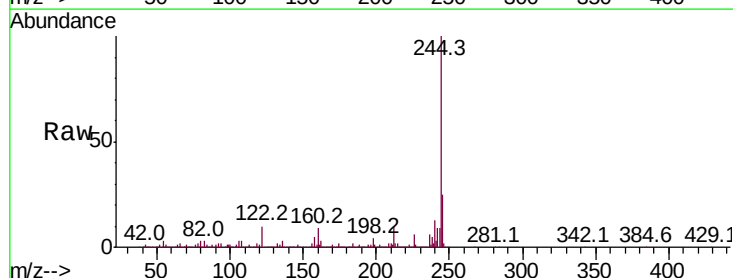
Tgt Ion:244 Resp: 2377158

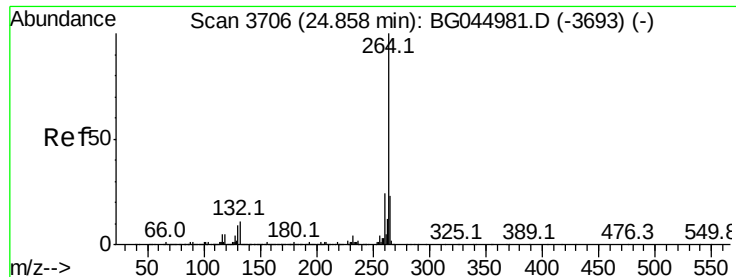
Ion Ratio Lower Upper

244 100

212 10.3 7.9 11.9

122 9.6 7.7 11.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG045008.D

Acq: 16 Apr 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB128259BL

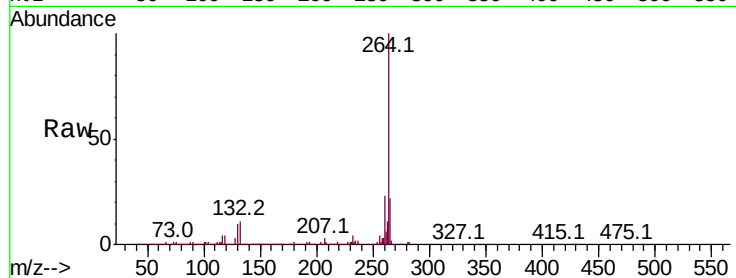
Tot Ion:264 Resp: 566145

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.6 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

