

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG044991.D
 Acq On : 15 Apr 2020 20:57
 Operator : CG/JU
 Sample : PB128245TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128245TB

Quant Time: Apr 16 05:02:53 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	66018	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	278268	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	204126	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	498826	20.00	ng	0.00
76) Chrysene-d12	21.67	240	603807	20.00	ng	0.00
87) Perylene-d12	24.85	264	630522	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	598277	149.61	ng	0.00
7) Phenol-d6	7.18	99	846697	142.51	ng	0.00
23) Nitrobenzene-d5	9.18	82	589109	96.60	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	450667	142.91	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1365047	98.06	ng	0.00
79) Terphenyl-d14	20.01	244	2646582	95.53	ng	0.00

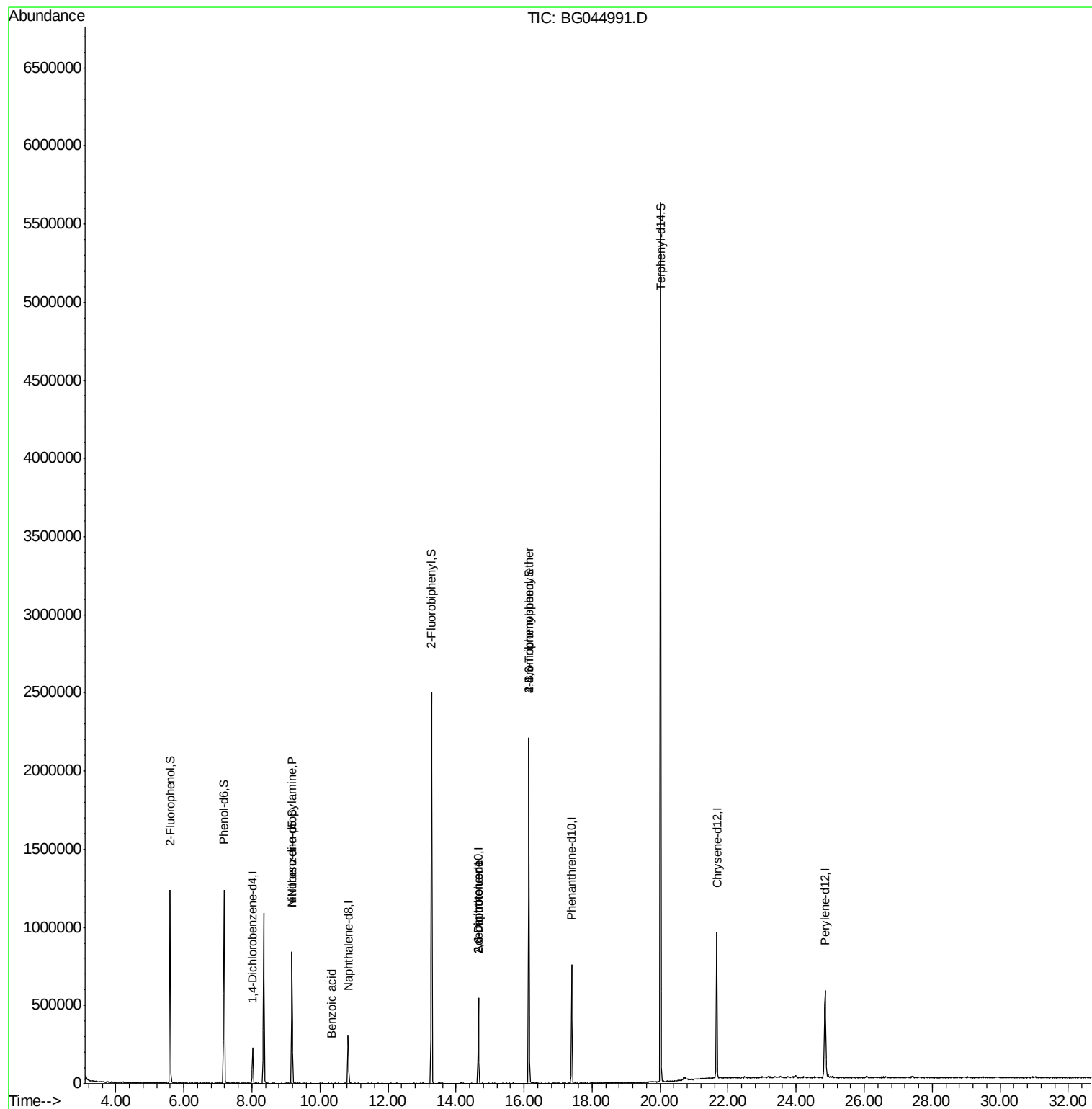
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1346	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	76281	18.155	ng	# 83
32) Benzoic acid	10.33	122	69	6.391	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	26228	7.055	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	26228	4.828	ng	# 22
67) 4-Bromophenyl-phenylether	16.14	248	31117	4.835	ng	# 1
69) Atrazine	16.92	200	74	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	405	Below Cal	#	76
75) Fluoranthene	19.46	202	227	Below Cal	#	62
77) Benzidine	20.01	184	52984	Below Cal	#	91

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

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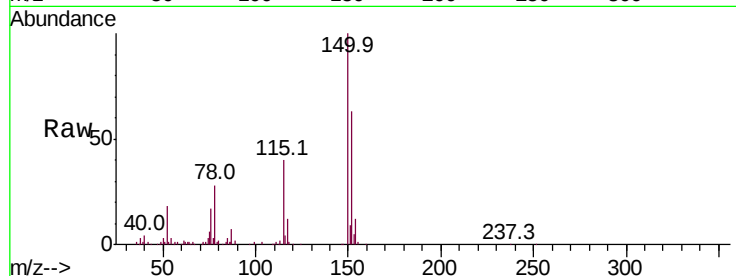


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BG044991.D
 Acq: 15 Apr 2020 20:57

Instrument :
 BNA_G
 ClientSampleId :
 PB128245TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	123.6	185.4
115	63.0	49.1	73.7

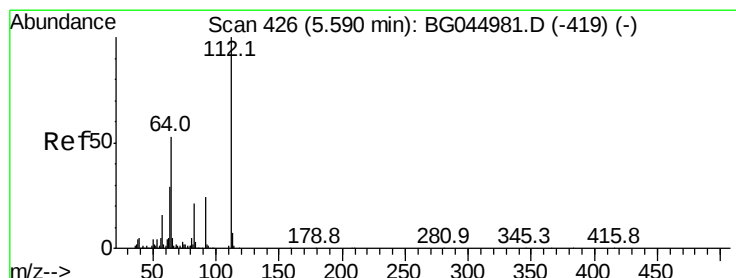
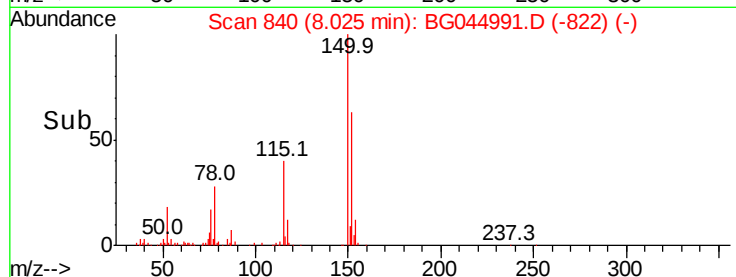
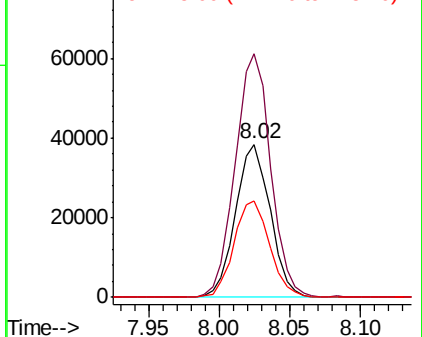


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

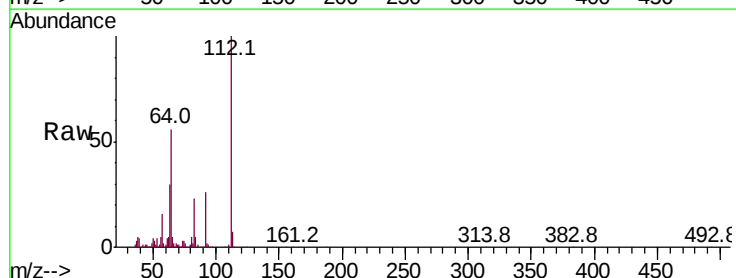
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 149.614 ng
 RT: 5.59 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BG044991.D
 Acq: 15 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	42.4	63.6
63	30.1	23.1	34.7

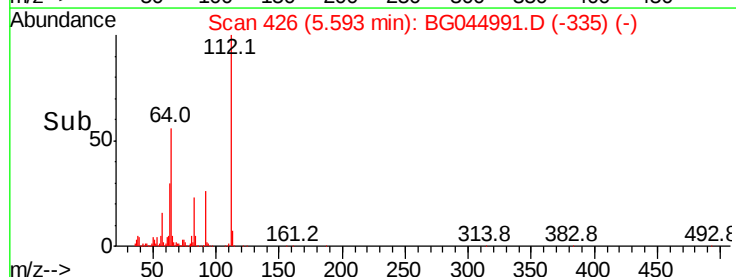
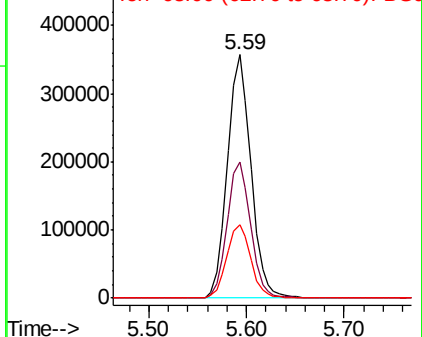


Abundance

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: 142.512 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Instrument :

BNA_G

ClientSampleId :

PB128245TB

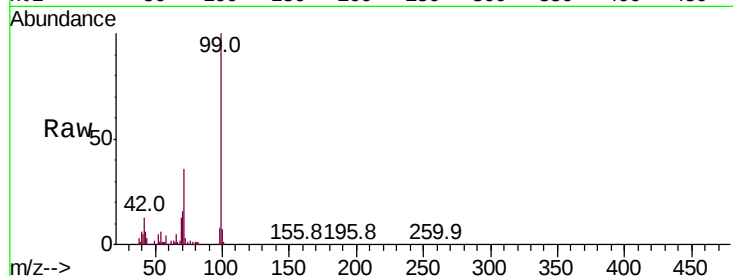
Tot Ion: 99 Resp: 846697

Ion Ratio Lower Upper

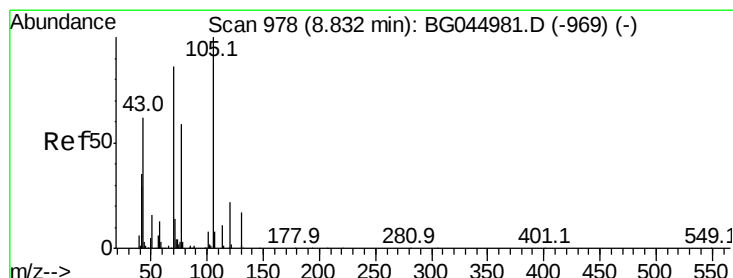
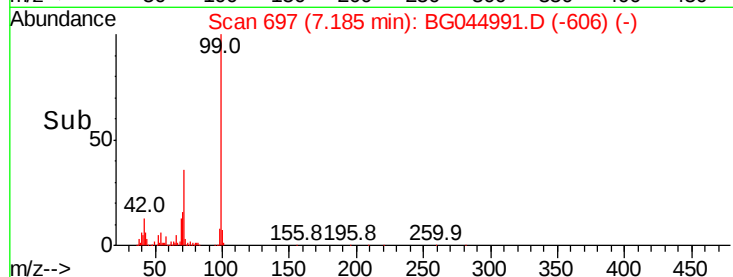
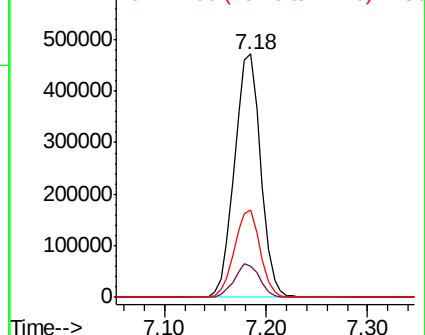
99 100

42 12.6 11.3 16.9

71 35.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.155 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Tgt Ion: 70 Resp: 76281

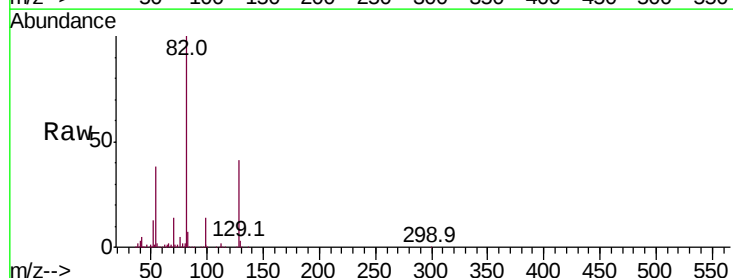
Ion Ratio Lower Upper

70 100

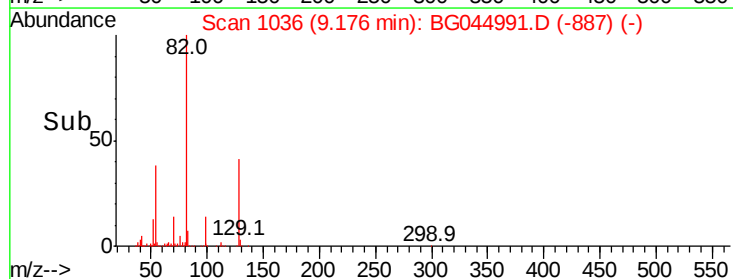
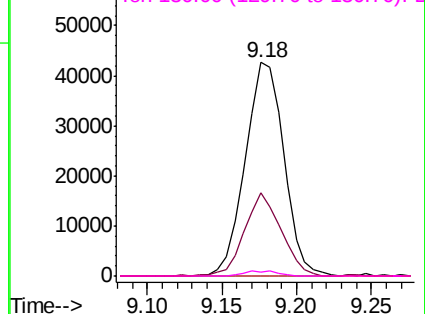
42 39.1 33.3 49.9

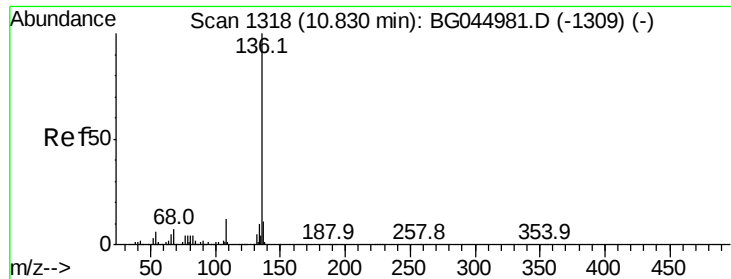
101 0.0 7.8 11.8#

130 1.9 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

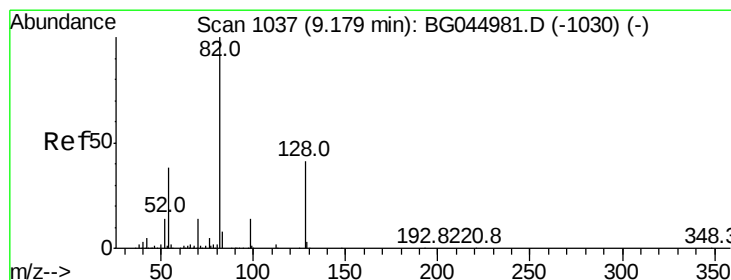
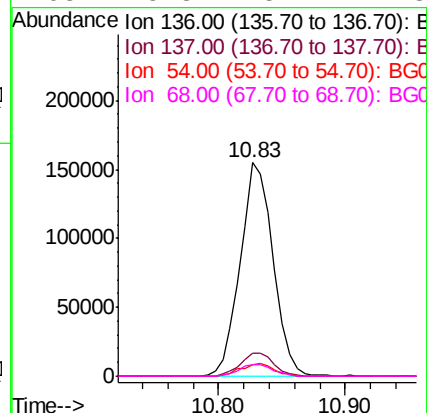
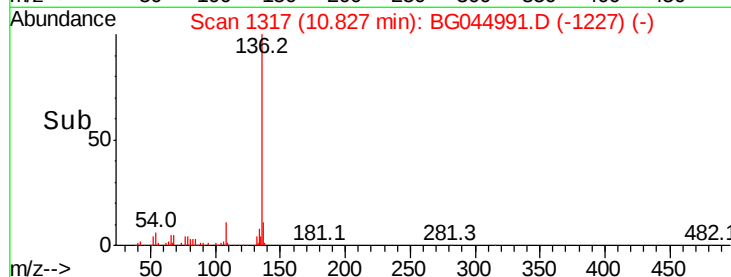
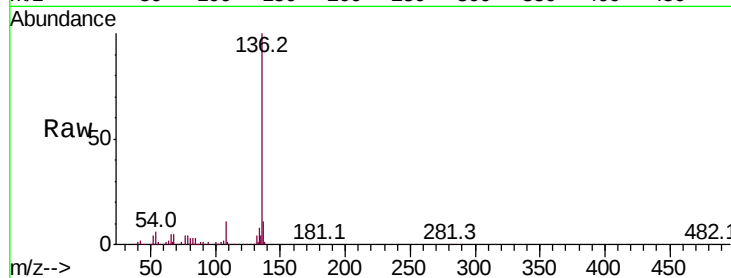




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG044991.D
Acq: 15 Apr 2020 20:57

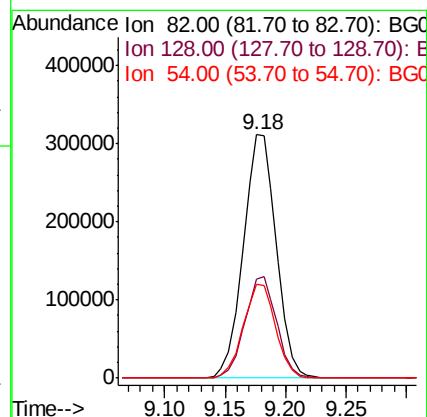
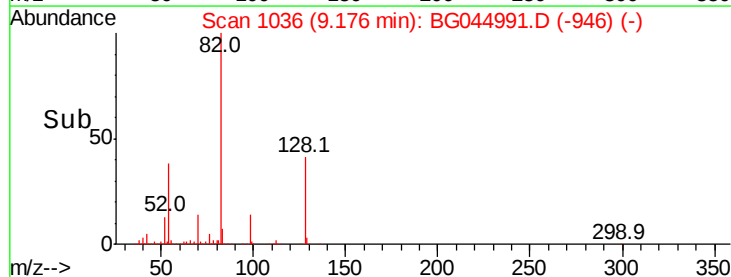
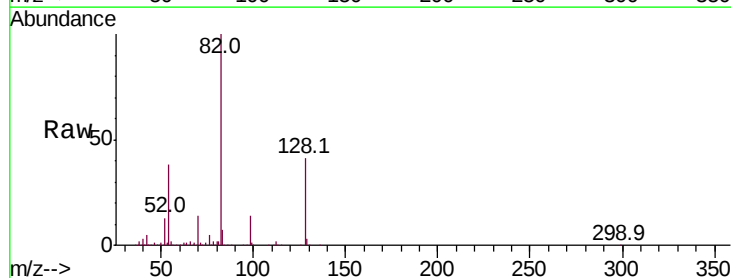
Instrument :
BNA_G
ClientSampleId :
PB128245TB

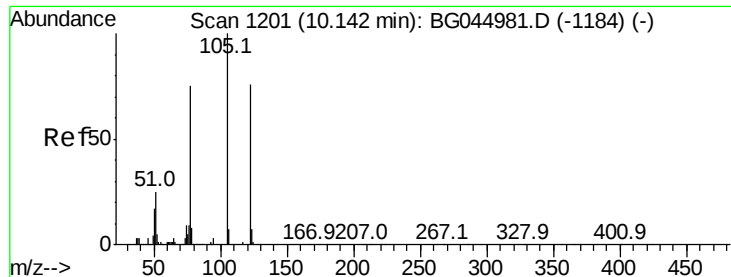
Tot Ion:	136	Resp:	278268
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	5.6	4.8	7.2
68	5.3	5.2	7.8



#23
Nitrobenzene-d5
Concen: 96.599 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG044991.D
Acq: 15 Apr 2020 20:57

Tgt Ion:	82	Resp:	589109
Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.0	49.4
54	38.4	30.4	45.6

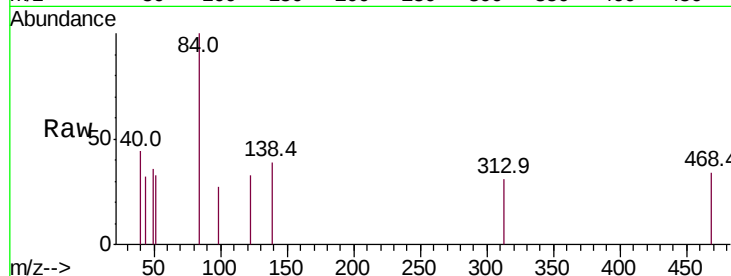




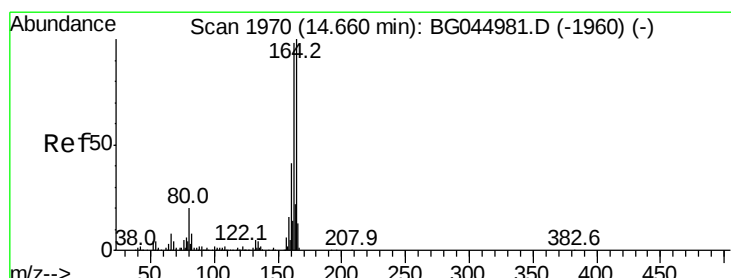
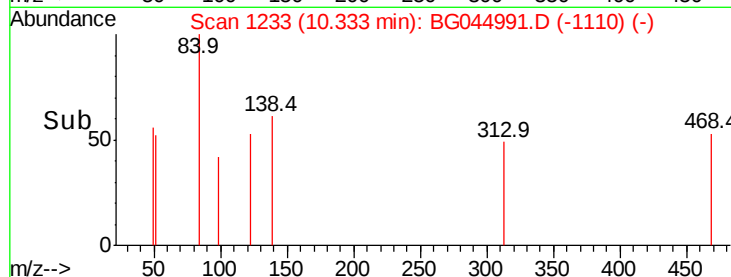
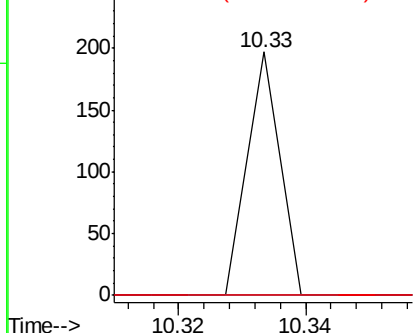
#32
Benzoic acid
Concen: 6.391 ng
RT: 10.33 min Scan# 1233
Delta R.T. 0.19 min
Lab File: BG044991.D
Acq: 15 Apr 2020 20:57

Instrument :
BNA_G
ClientSampleId :
PB128245TB

Tot Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

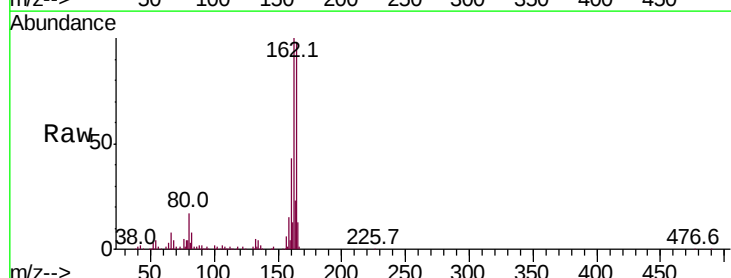


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

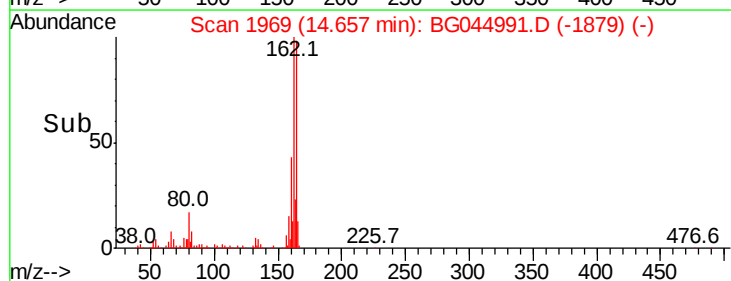
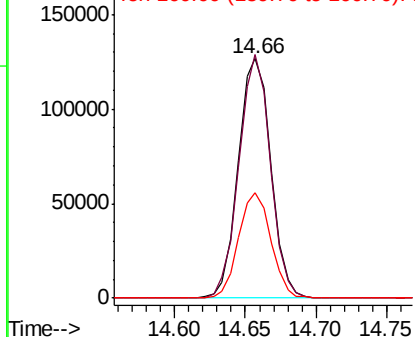


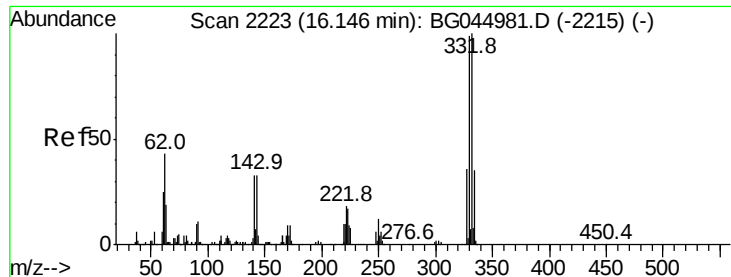
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG044991.D
Acq: 15 Apr 2020 20:57

Tgt Ion:164 Resp: 204126
Ion Ratio Lower Upper
164 100
162 101.7 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: 142.911 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Instrument :

BNA_G

ClientSampleId :

PB128245TB

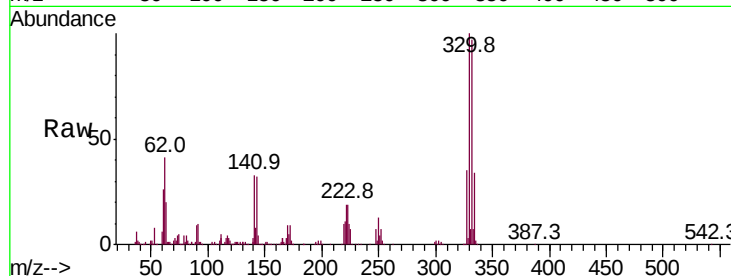
Tot Ion:330 Resp: 450667

Ion Ratio Lower Upper

330 100

332 97.1 79.1 118.7

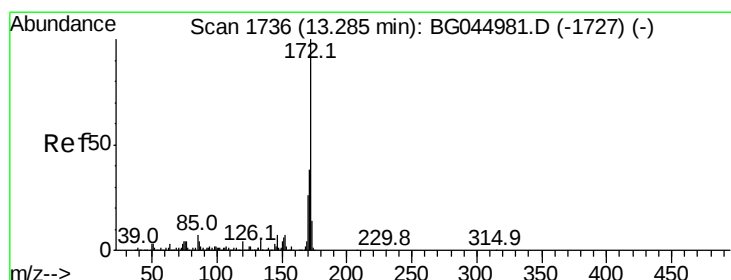
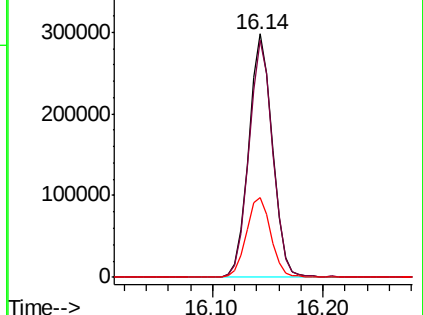
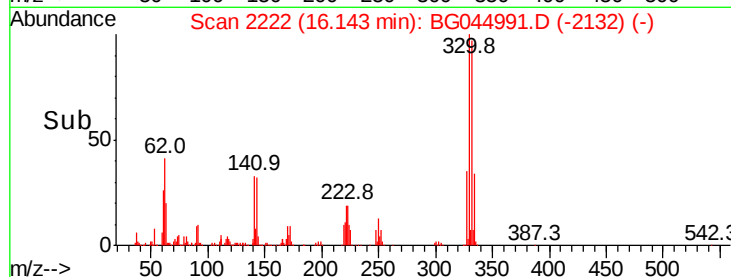
141 33.7 27.1 40.7



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: 98.057 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

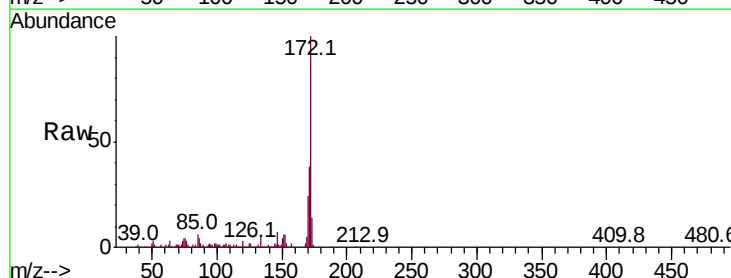
Tgt Ion:172 Resp: 1365047

Ion Ratio Lower Upper

172 100

171 38.0 30.6 46.0

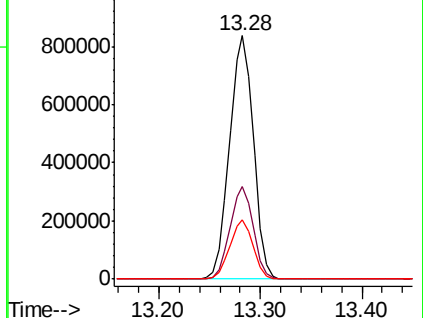
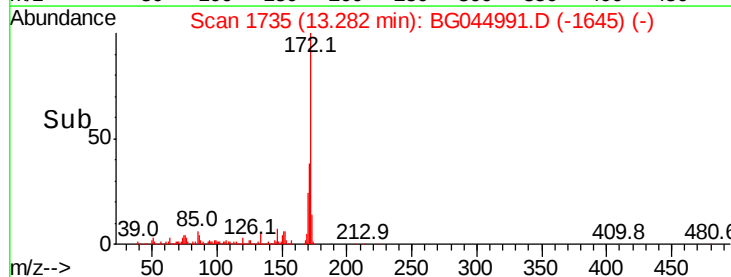
170 24.3 20.5 30.7

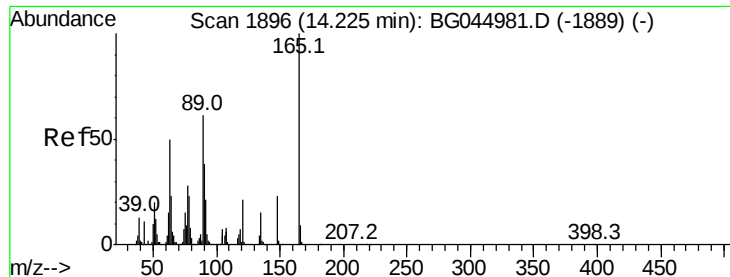


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.055 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Instrument :

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ClientSampleId :

PB128245TB

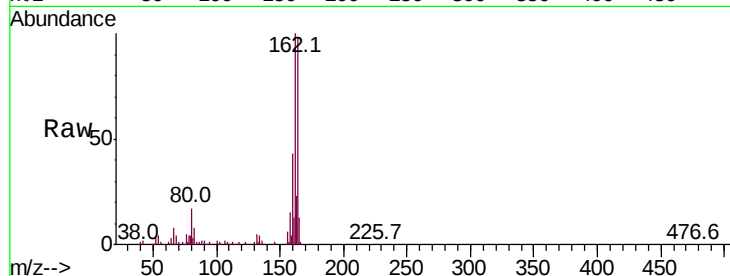
Tot Ion:165 Resp: 26228

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

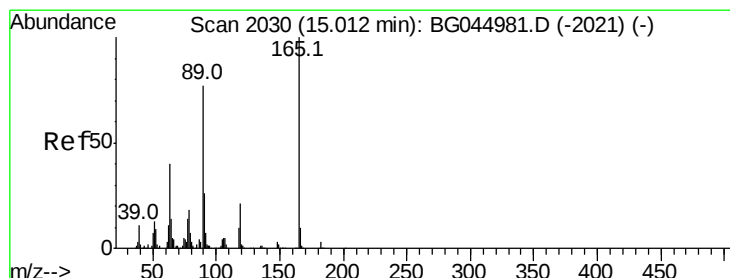
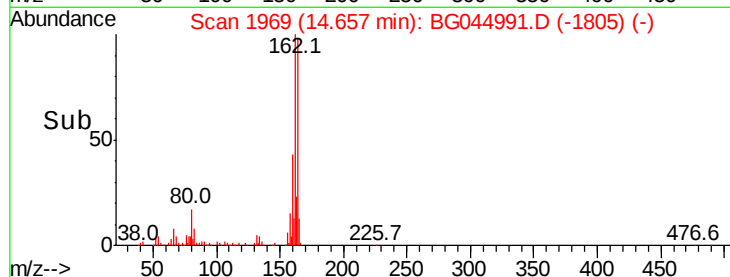
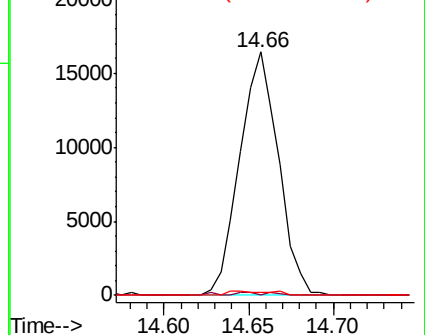
89 1.4 49.1 73.7#



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



#57

2,4-Dinitrotoluene

Concen: 4.828 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Tgt Ion:165 Resp: 26228

Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.4 61.7 92.5#

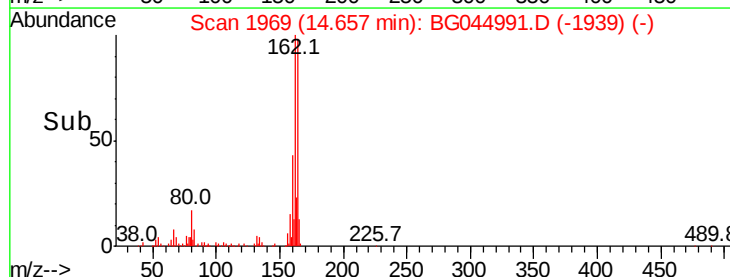
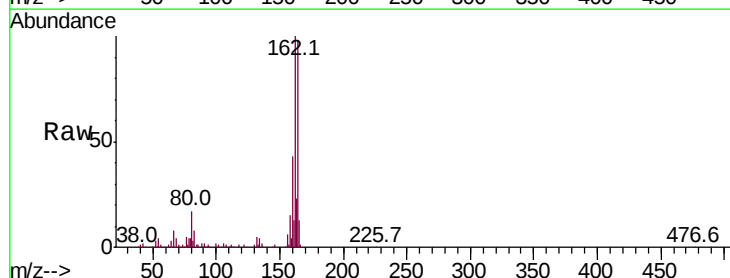
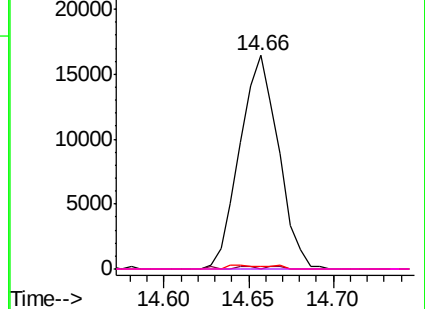
182 0.0 2.0 3.0#

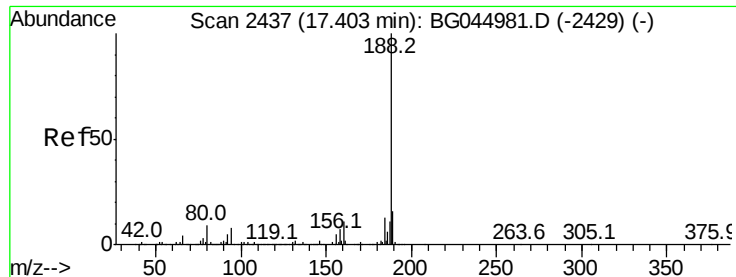
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Instrument :

BNA_G

ClientSampleId :

PB128245TB

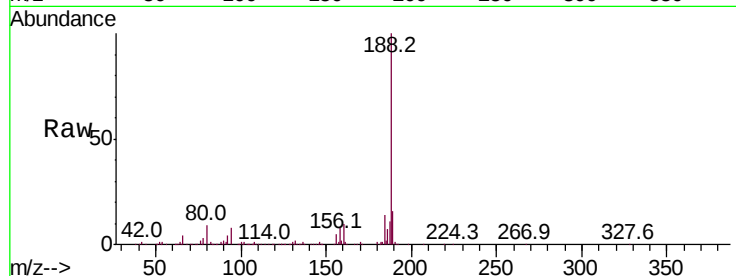
Tot Ion:188 Resp: 498826

Ion Ratio Lower Upper

188 100

94 8.3 6.2 9.4

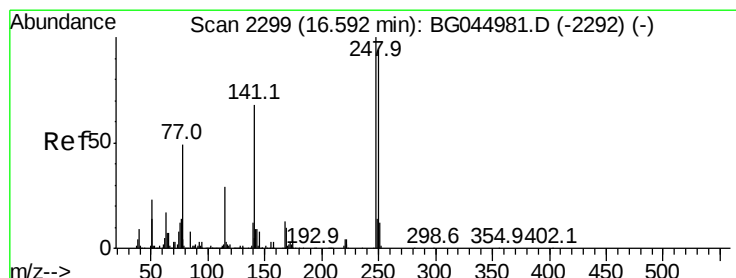
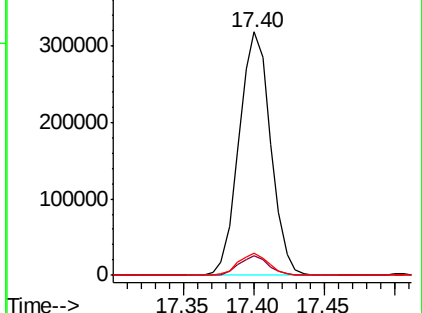
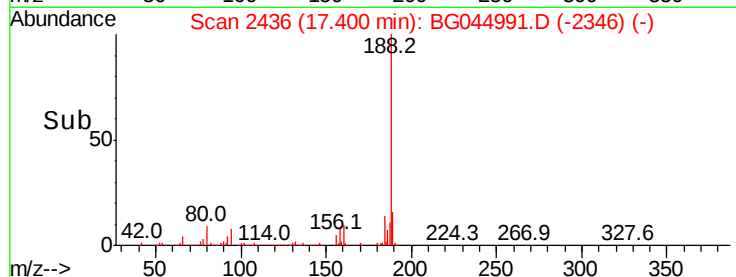
80 8.9 7.0 10.6



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: 4.835 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

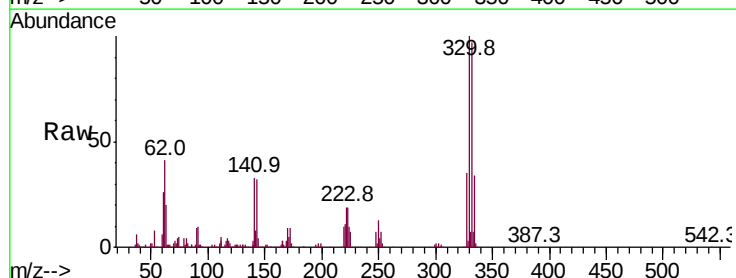
Tgt Ion:248 Resp: 31117

Ion Ratio Lower Upper

248 100

250 199.2 75.4 113.2#

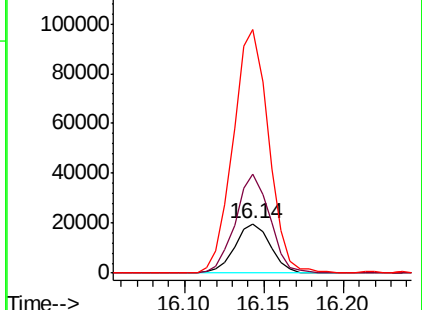
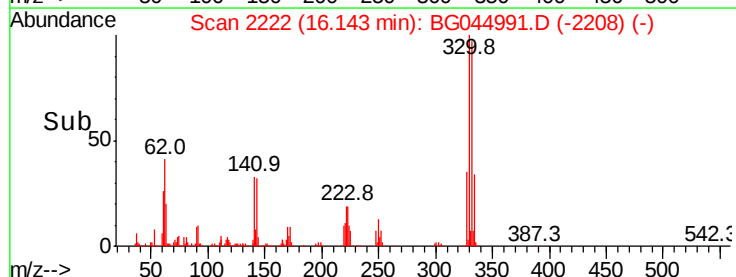
141 489.9 54.4 81.6#

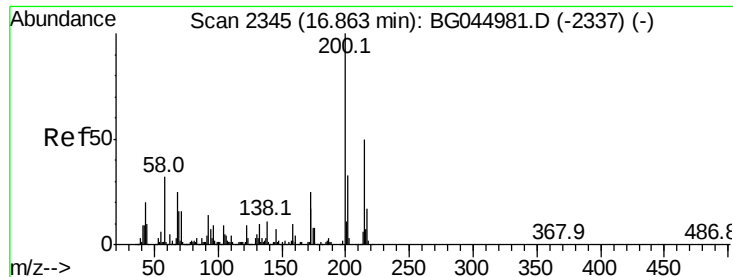


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.92 min Scan# 2355

Delta R.T. 0.06 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Instrument :

BNA_G

ClientSampleId :

PB128245TB

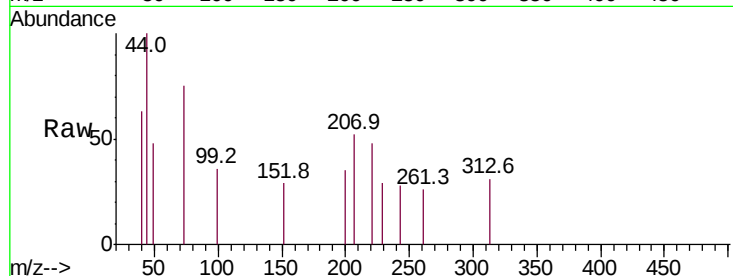
Tot Ion:200 Resp: 74

Ion Ratio Lower Upper

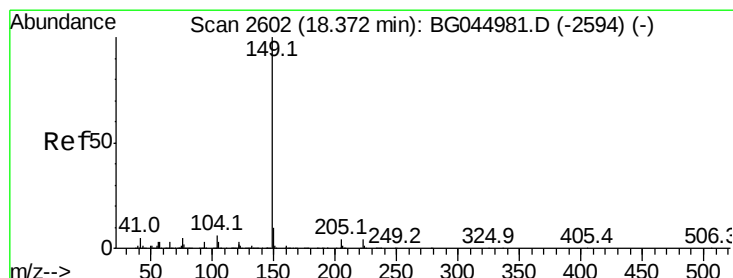
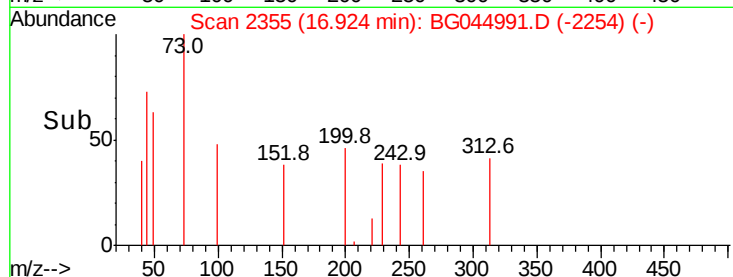
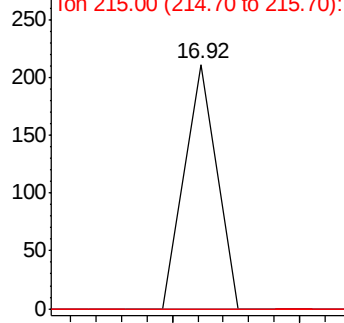
200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

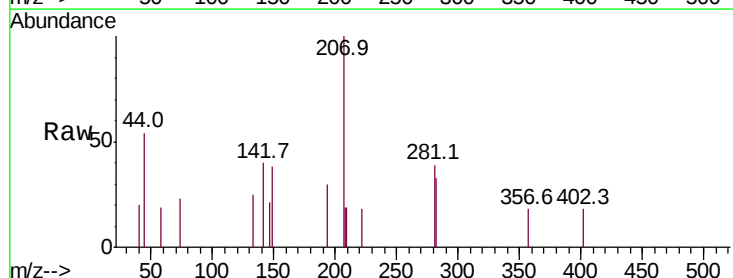
Tgt Ion:149 Resp: 405

Ion Ratio Lower Upper

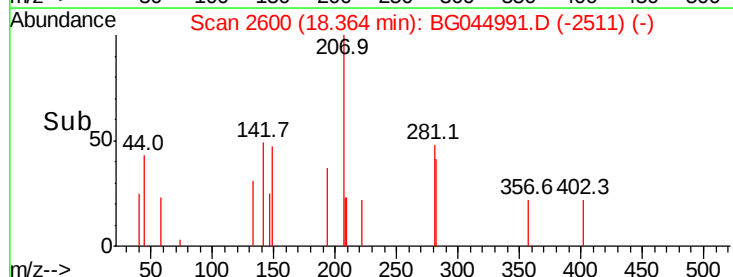
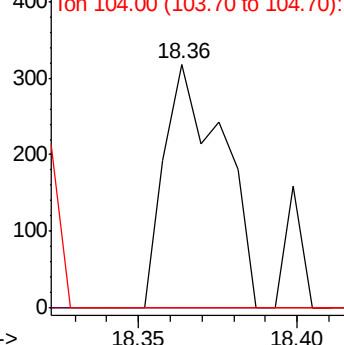
149 100

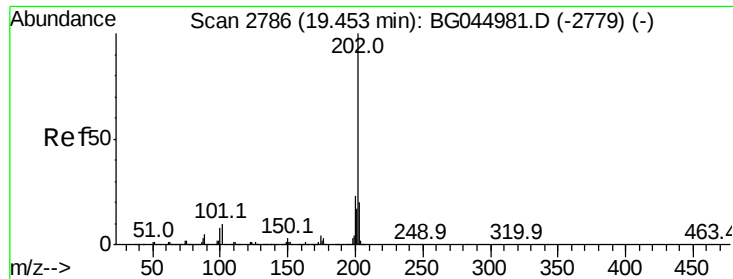
150 0.0 8.2 12.2#

104 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

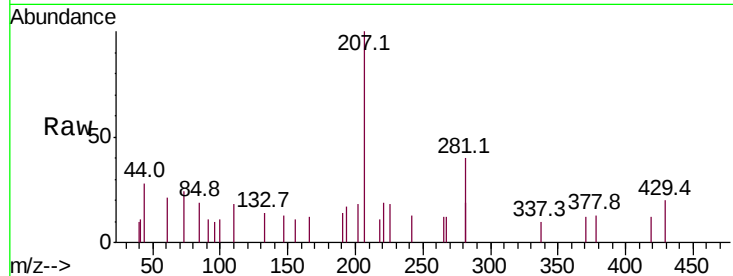
Instrument :

BNA_G

ClientSampleId :

PB128245TB

Tot Ion:	202	Resp:	227
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

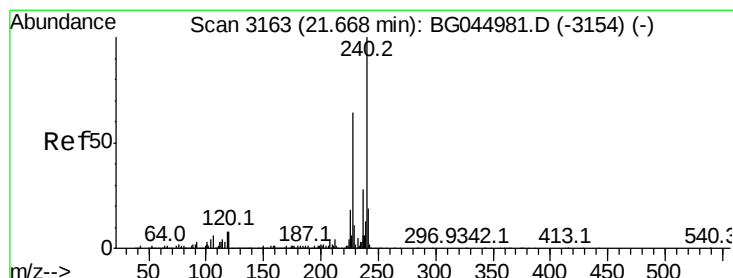
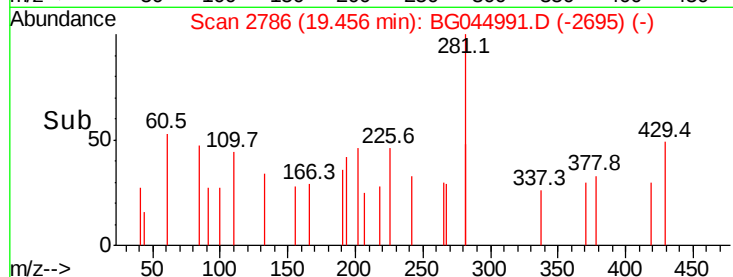
200

100

0

19.44 19.46 19.48

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

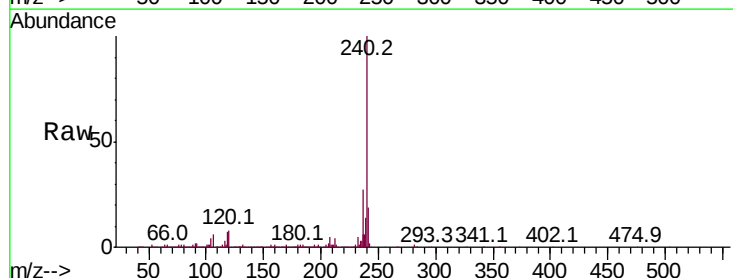
RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Tgt Ion:	240	Resp:	603807
Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.6	10.0
236	26.6	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

21.67

400000

300000

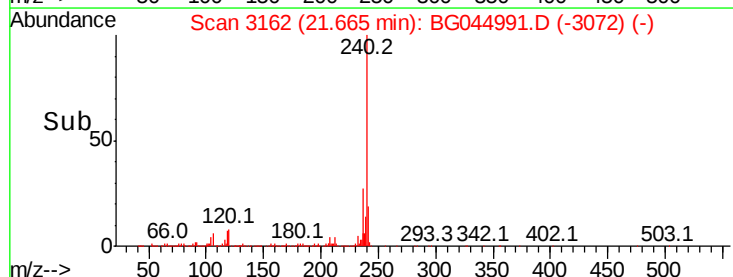
200000

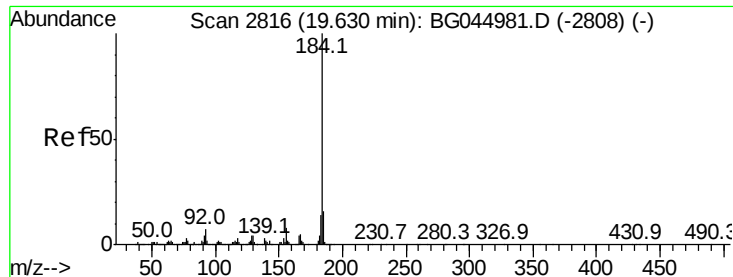
100000

0

21.60 21.70

Time-->





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

Instrument :

BNA_G

ClientSampleId :

PB128245TB

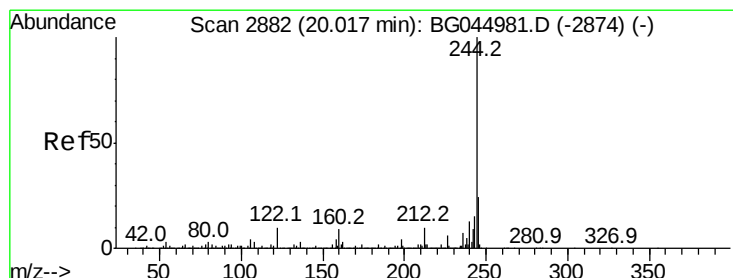
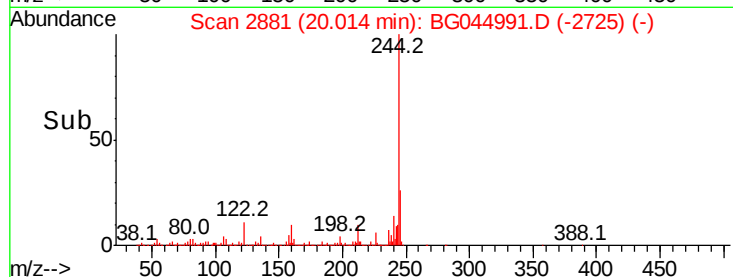
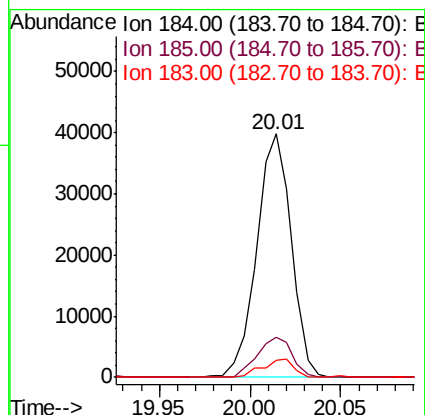
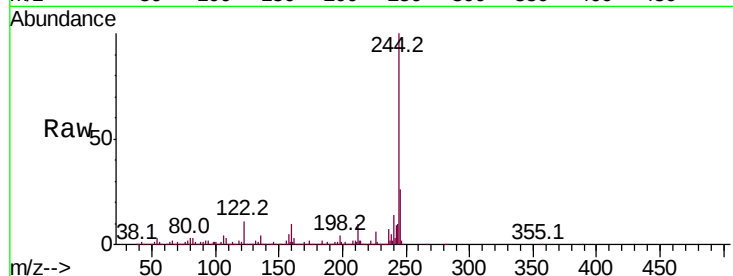
Tot Ion:184 Resp: 52984

Ion Ratio Lower Upper

184 100

185 16.3 12.6 19.0

183 6.8 11.3 16.9#



#79

Terphenyl-d14

Concen: 95.534 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG044991.D

Acq: 15 Apr 2020 20:57

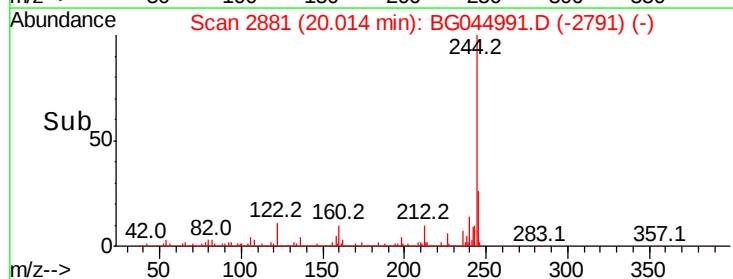
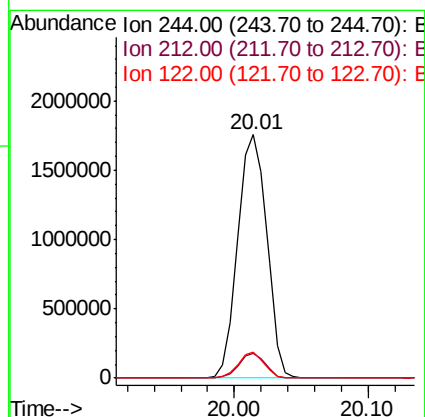
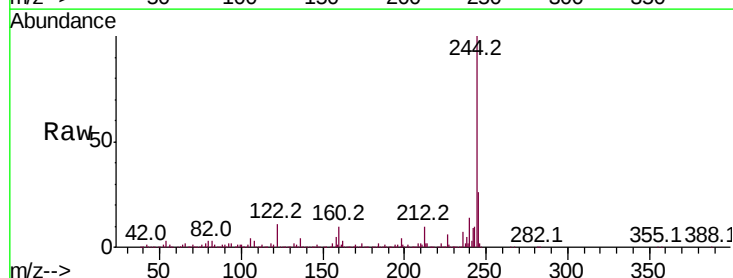
Tgt Ion:244 Resp: 2646582

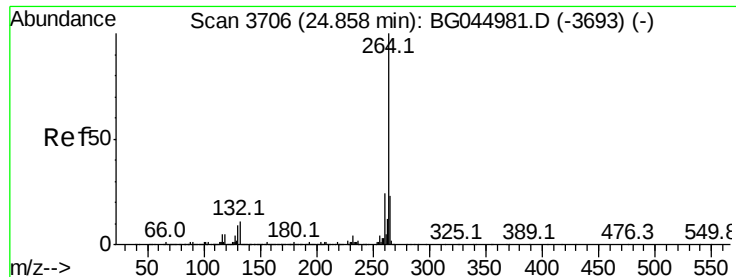
Ion Ratio Lower Upper

244 100

212 10.4 7.9 11.9

122 10.5 7.7 11.5

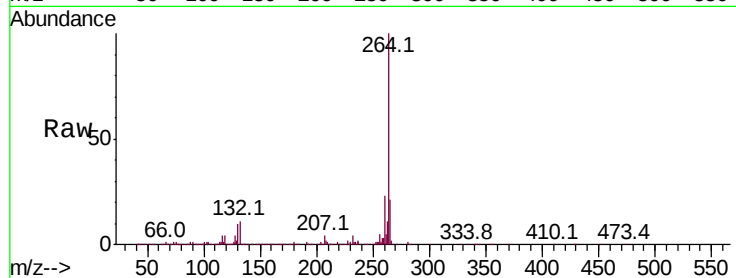




#87
Pervlone-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG044991.D
Acq: 15 Apr 2020 20:57

Instrument :
BNA_G
ClientSampleId :
PB128245TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.8	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

