

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG044989.D
 Acq On : 15 Apr 2020 19:37
 Operator : CG/JU
 Sample : PB128245BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128245BL

Quant Time: Apr 16 05:02:10 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	64564	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	271064	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	197934	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	483985	20.00	ng	0.00
76) Chrysene-d12	21.66	240	553077	20.00	ng	0.00
87) Perylene-d12	24.85	264	591615	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	547355	139.96	ng	0.00
7) Phenol-d6	7.18	99	746372	128.46	ng	0.00
23) Nitrobenzene-d5	9.18	82	519105	87.38	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	407250	133.18	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1226798	90.88	ng	0.00
79) Terphenyl-d14	20.01	244	2370164	93.40	ng	0.00

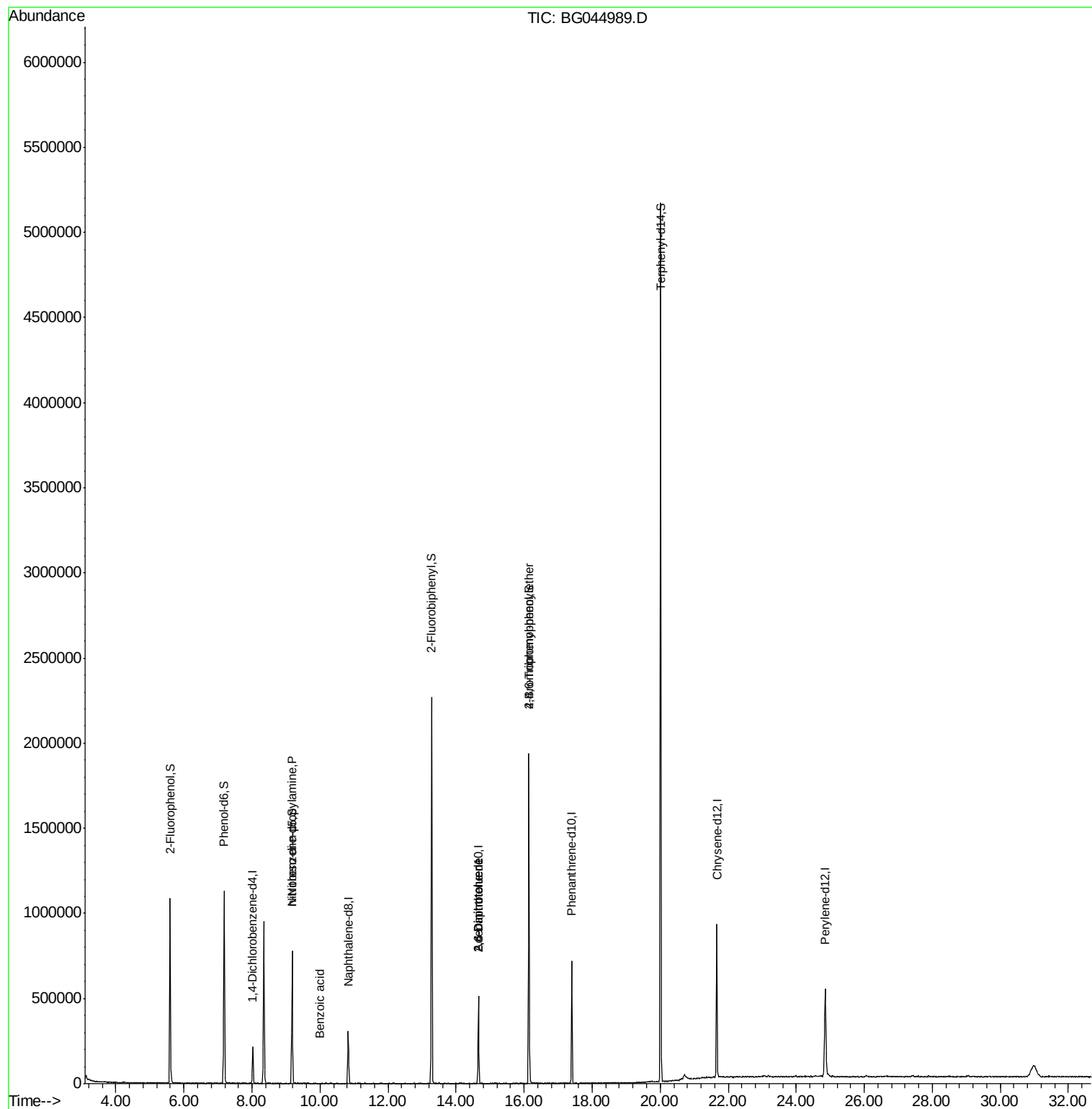
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	59	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.17	70	68413	16.649 ng	#	76
32) Benzoic acid	9.98	122	57	6.388 ng	#	1
51) 2,6-Dinitrotoluene	14.66	165	25102	6.963 ng	#	27
57) 2,4-Dinitrotoluene	14.66	165	25102	4.765 ng	#	24
67) 4-Bromophenyl-phenylether	16.14	248	27631	4.425 ng	#	1
69) Atrazine	16.67	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	512	Below Cal	#	76
75) Fluoranthene	19.46	202	62	Below Cal	#	62
77) Benzidine	20.01	184	45250	Below Cal	#	89

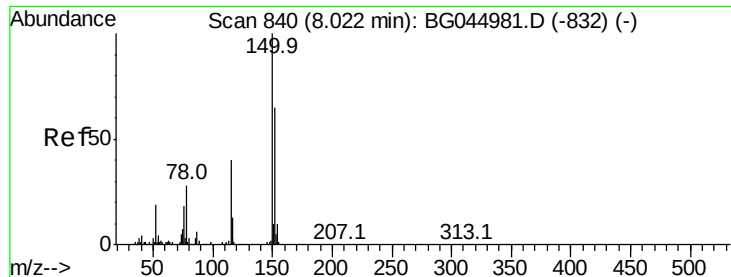
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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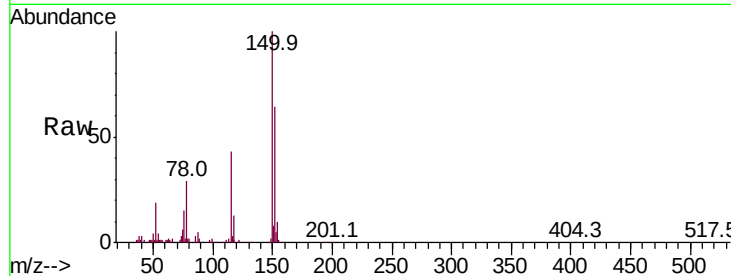


#1

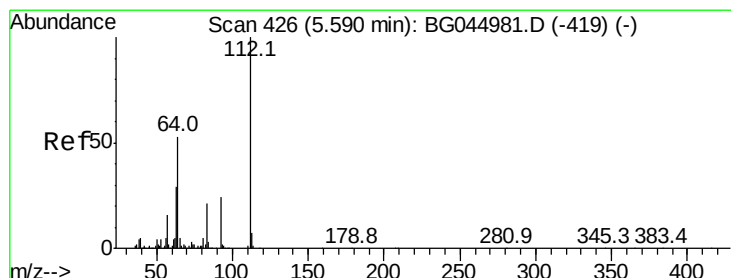
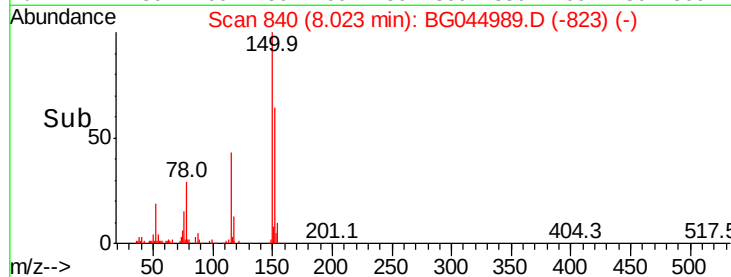
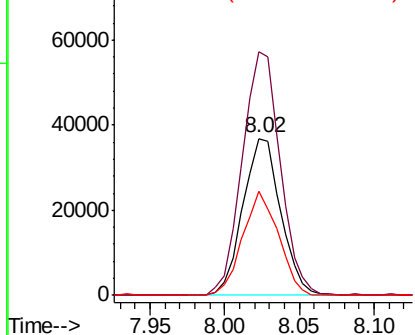
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Instrument :
BNA_G
ClientSampleId :
PB128245BL

Tot Ion:152 Resp: 64564
Ion Ratio Lower Upper
152 100
150 155.2 123.6 185.4
115 66.1 49.1 73.7



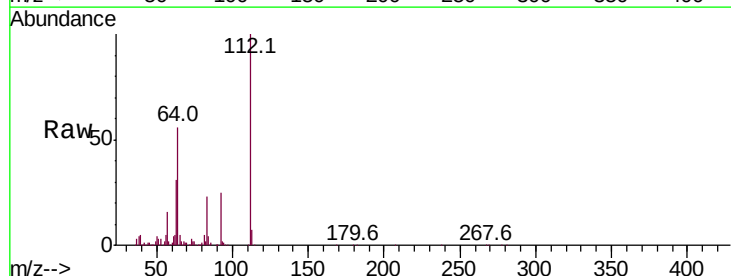
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



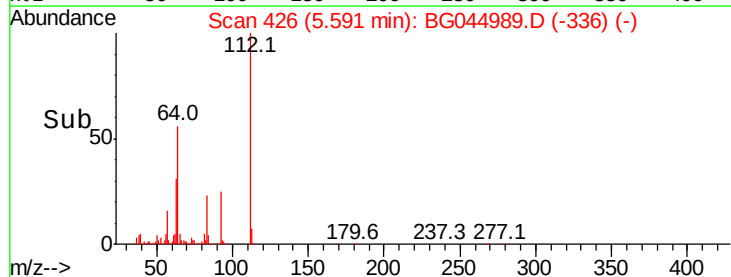
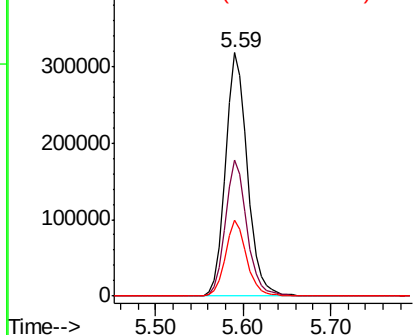
#5

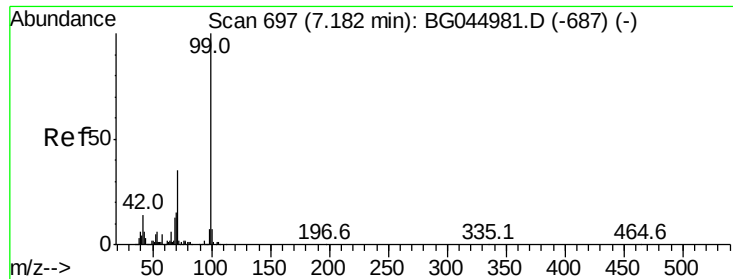
2-Fluorophenol
Concen: 139.962 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Tgt Ion:112 Resp: 547355
Ion Ratio Lower Upper
112 100
64 55.7 42.4 63.6
63 31.2 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: 128.455 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

Instrument :

BNA_G

ClientSampleId :

PB128245BL

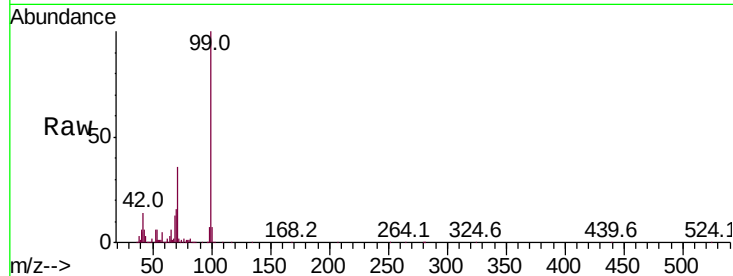
Tot Ion: 99 Resp: 746372

Ion Ratio Lower Upper

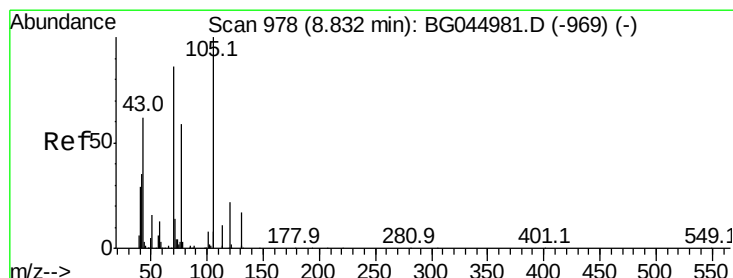
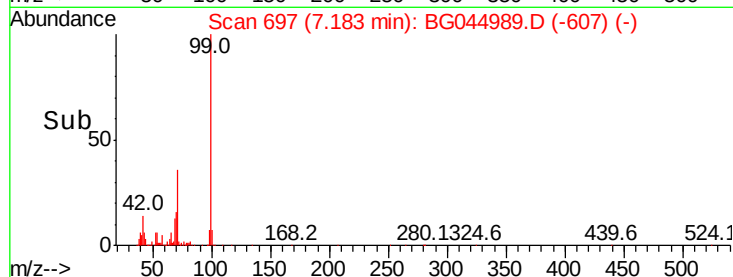
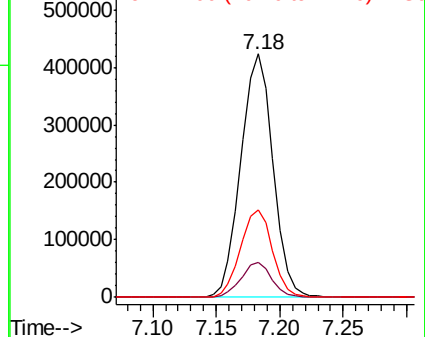
99 100

42 14.4 11.3 16.9

71 36.1 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: 16.649 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

Tgt Ion: 70 Resp: 68413

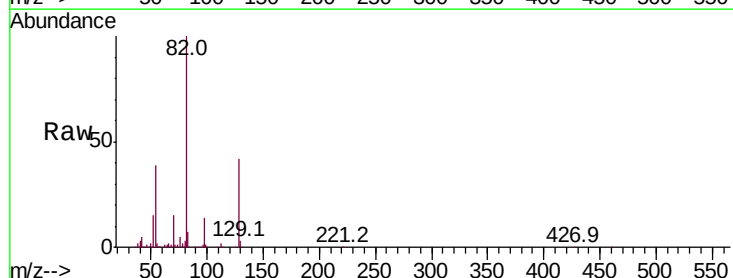
Ion Ratio Lower Upper

70 100

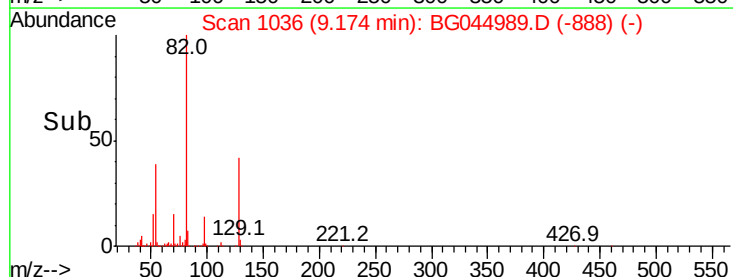
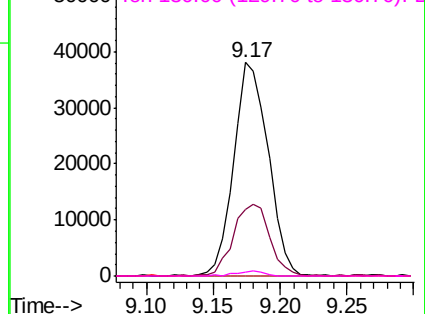
42 31.2 33.3 49.9#

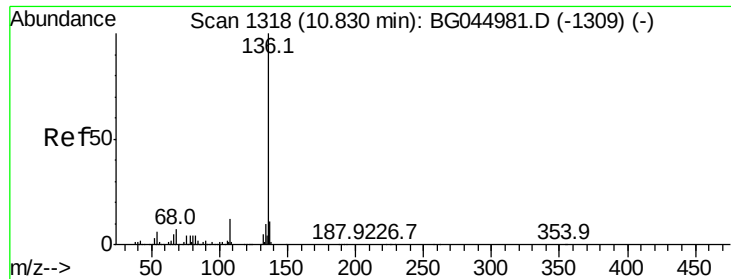
101 0.0 7.8 11.8#

130 1.6 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

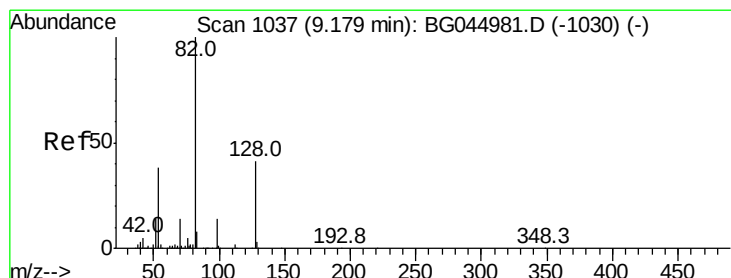
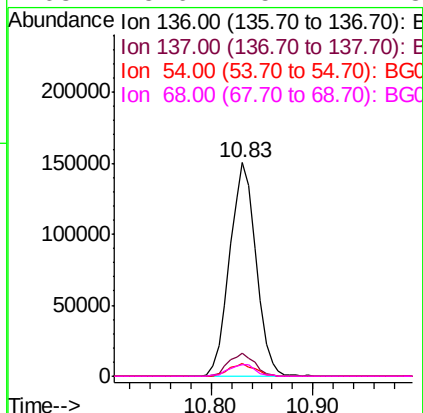
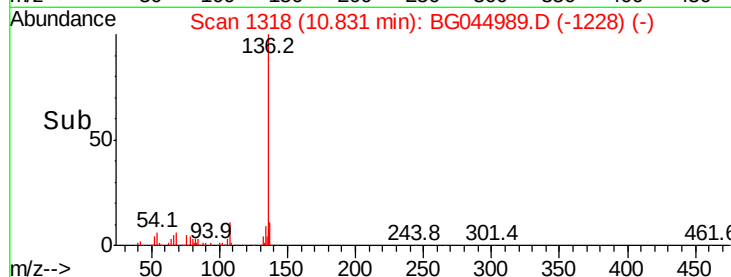
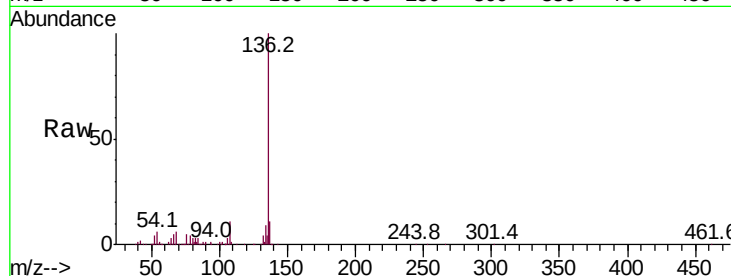




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

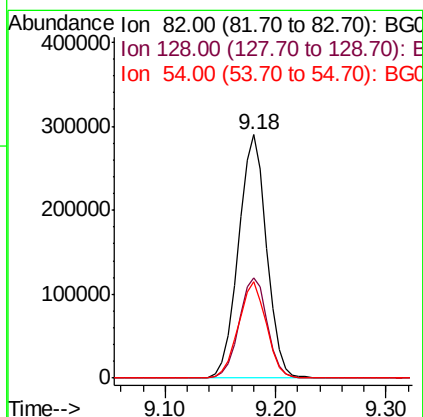
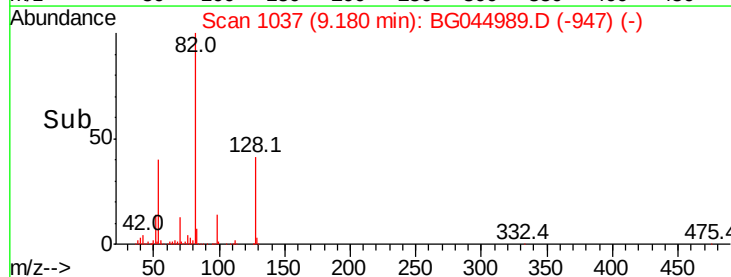
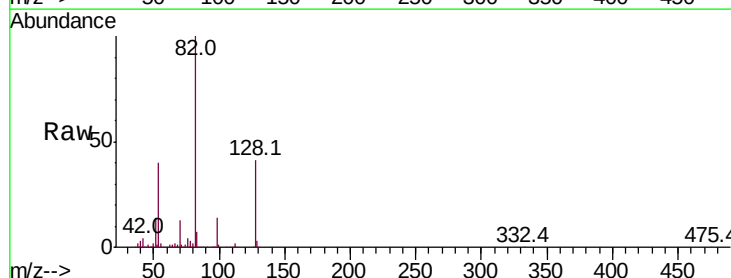
Instrument :
BNA_G
ClientSampleId :
PB128245BL

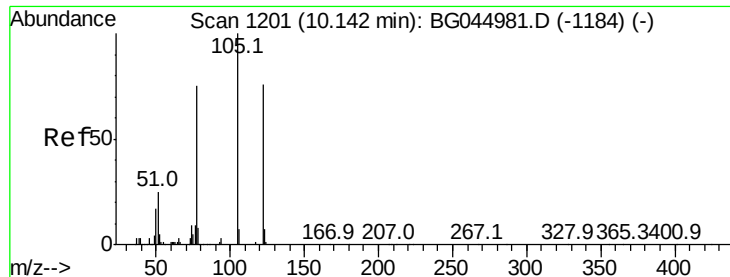
Tot Ion:136 Resp: 271064
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.7 4.8 7.2
68 5.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 87.382 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Tgt Ion: 82 Resp: 519105
Ion Ratio Lower Upper
82 100
128 40.9 33.0 49.4
54 39.8 30.4 45.6

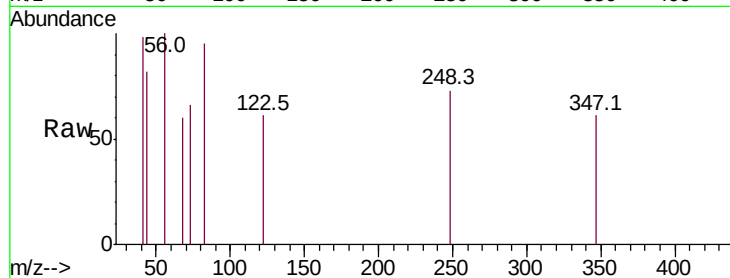




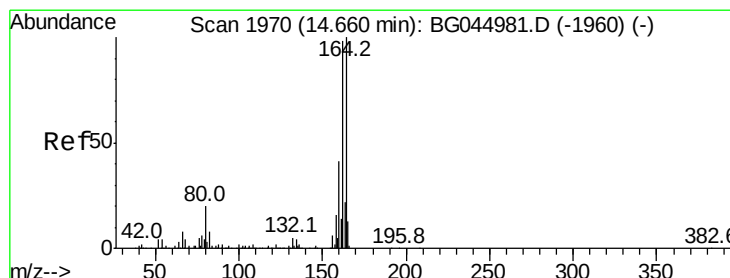
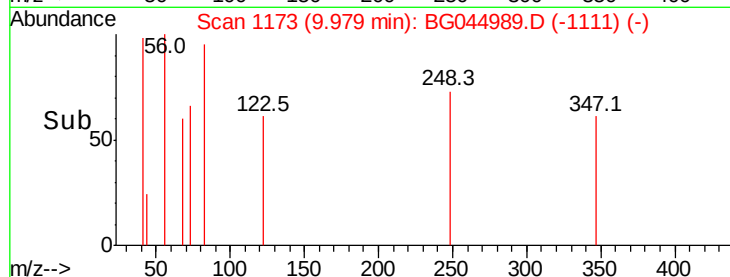
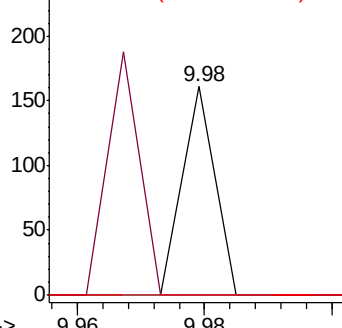
#32
Benzoic acid
Concen: 6.388 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.16 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Instrument :
BNA_G
ClientSampleId :
PB128245BL

Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

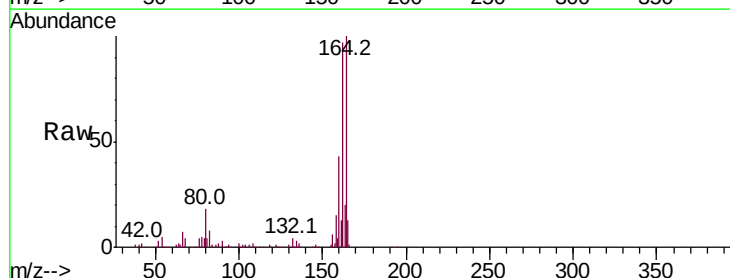


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

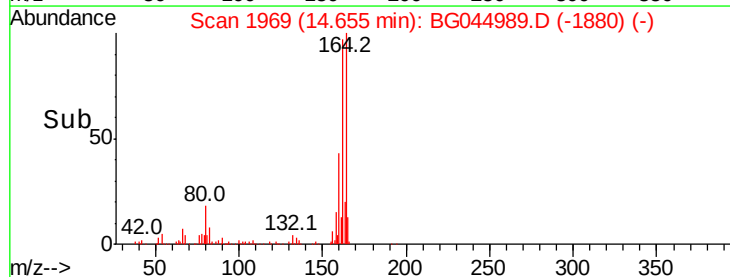
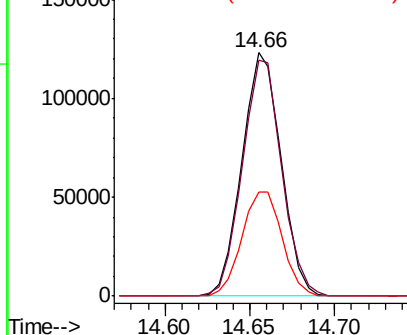


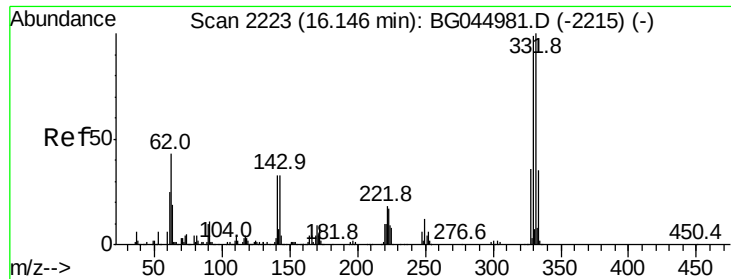
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Tgt Ion:164 Resp: 197934
Ion Ratio Lower Upper
164 100
162 96.7 78.7 118.1
160 42.6 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

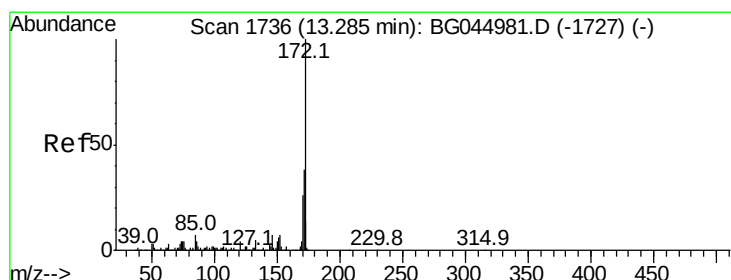
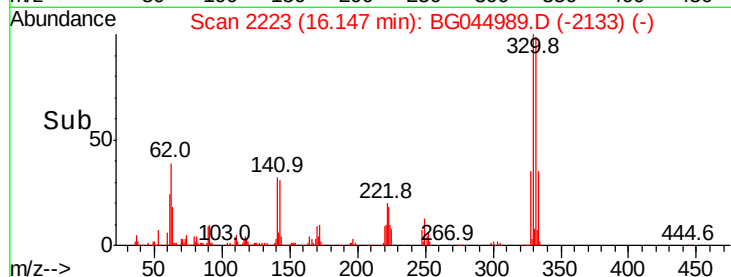
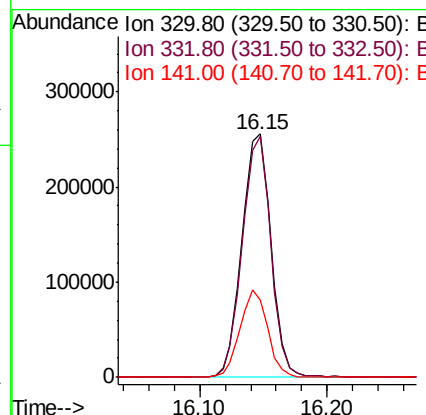
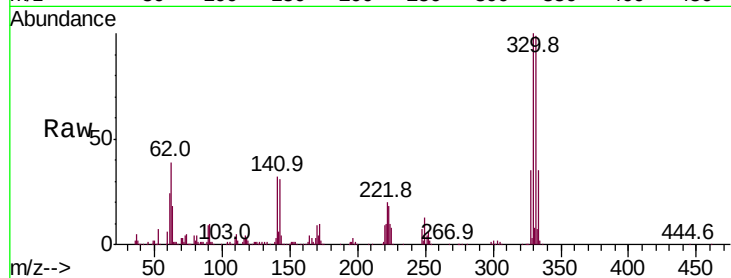




#42
 2,4,6-Tribromophenol
 Concen: 133.183 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG044989.D
 Acq: 15 Apr 2020 19:37

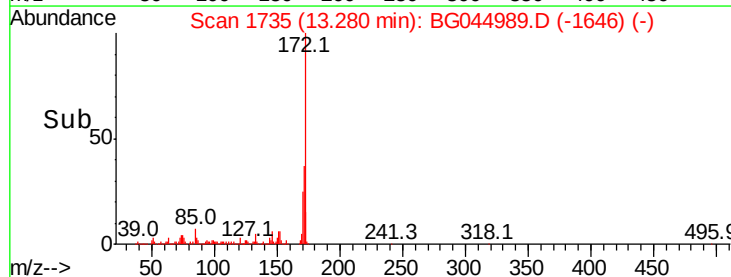
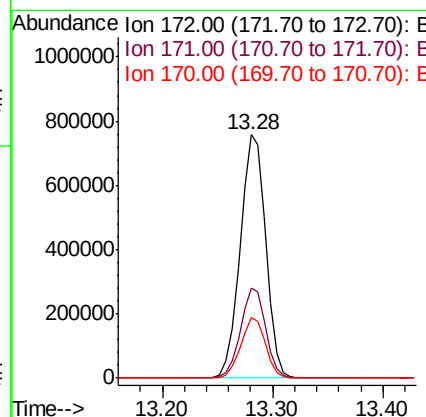
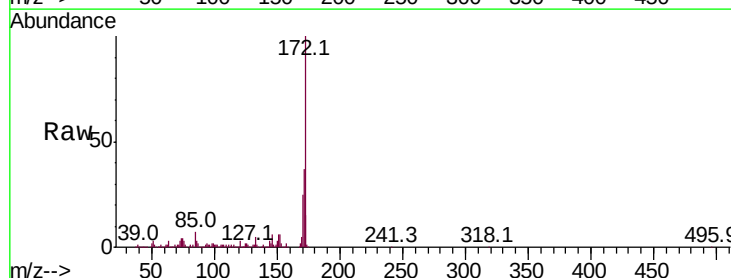
Instrument :
 BNA_G
 ClientSampleId :
 PB128245BL

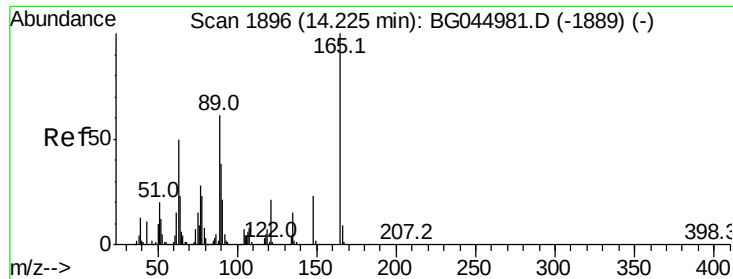
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.1	118.7
141	34.1	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 90.883 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG044989.D
 Acq: 15 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	24.9	20.5	30.7

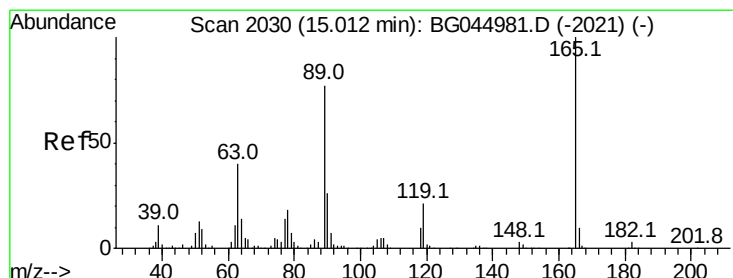
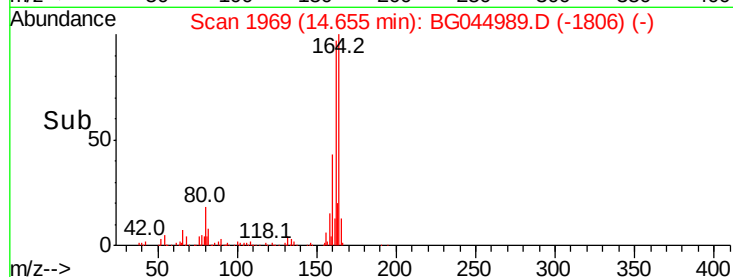
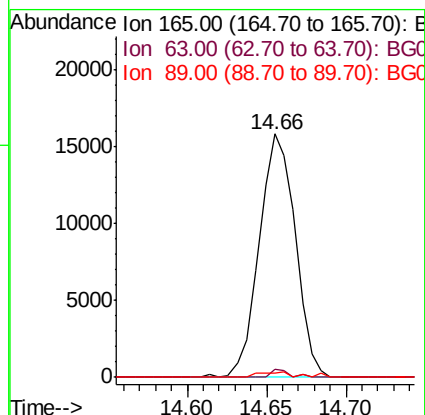
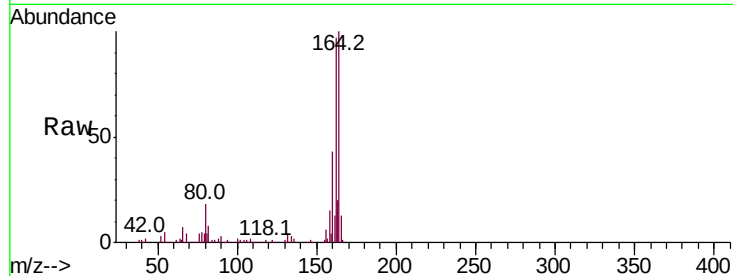




#51
 2,6-Dinitrotoluene
 Concen: 6.963 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG044989.D
 Acq: 15 Apr 2020 19:37

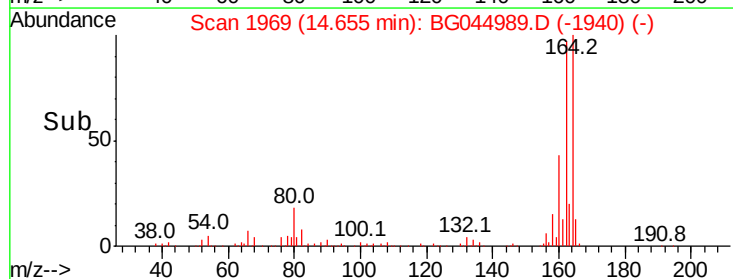
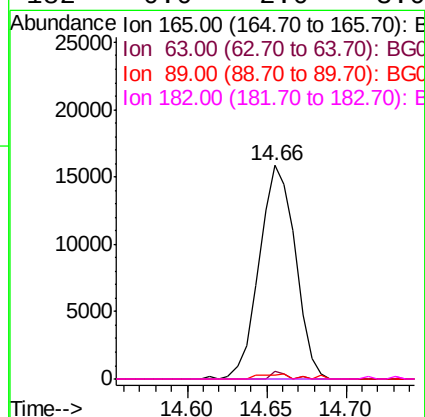
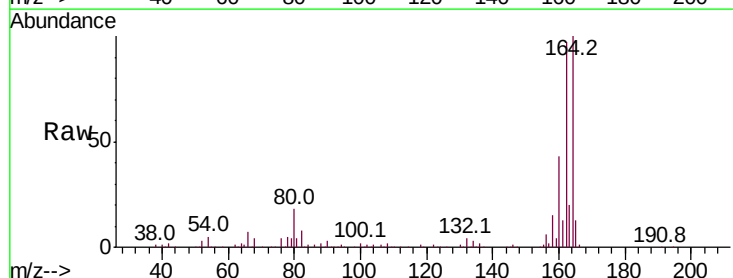
Instrument :
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 ClientSampleId :
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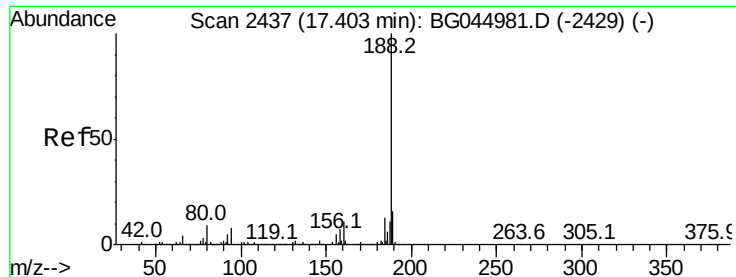
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.6	40.4	60.6#
89	2.0	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.765 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG044989.D
 Acq: 15 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.6	32.2	48.2#
89	2.0	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

Instrument :

BNA_G

ClientSampleId :

PB128245BL

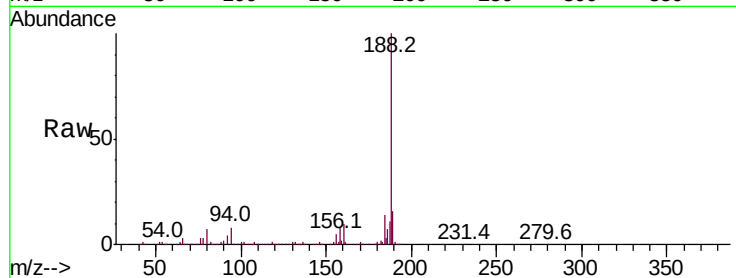
Tot Ion:188 Resp: 483985

Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.4

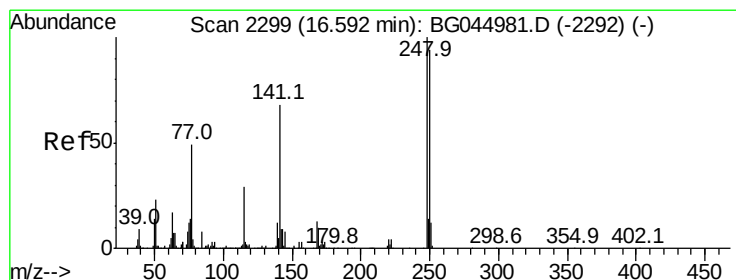
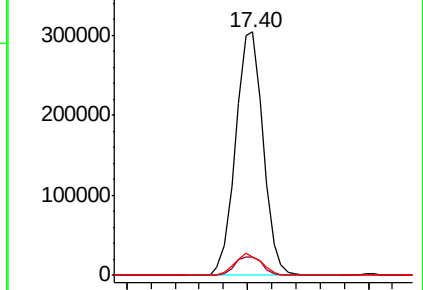
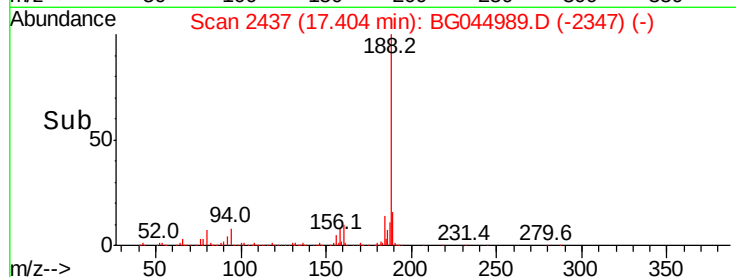
80 7.3 7.0 10.6



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: 4.425 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

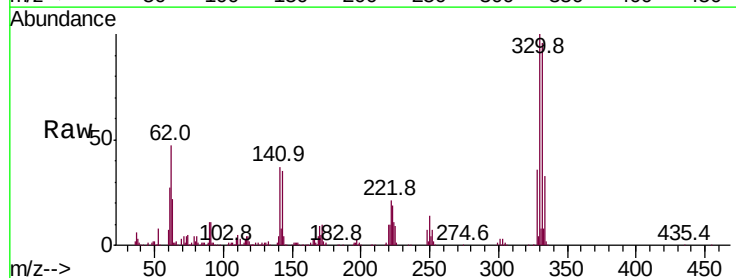
Tgt Ion:248 Resp: 27631

Ion Ratio Lower Upper

248 100

250 201.8 75.4 113.2#

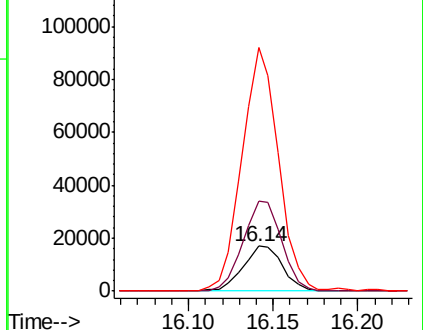
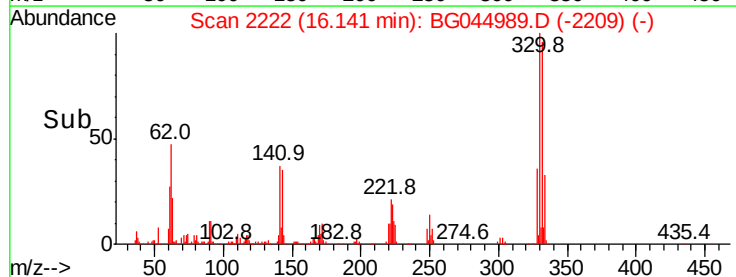
141 542.7 54.4 81.6#

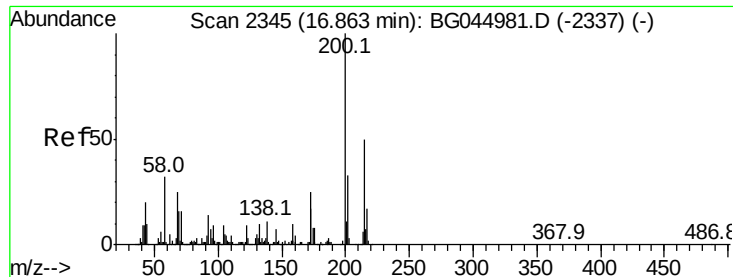


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.67 min Scan# 2312

Delta R.T. -0.19 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

Instrument :

BNA_G

ClientSampleId :

PB128245BL

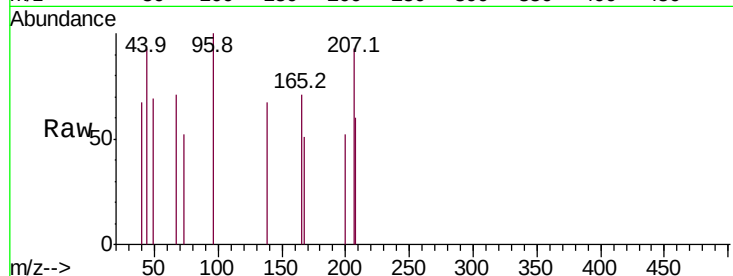
Tot Ion:200 Resp: 55

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

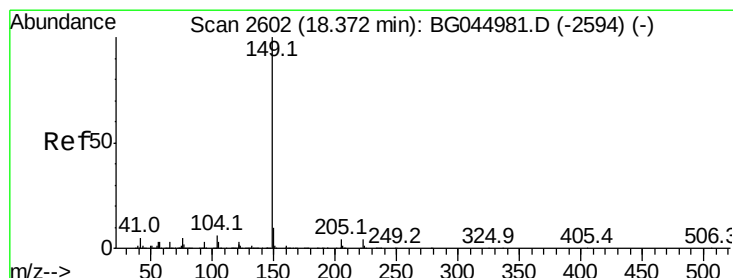
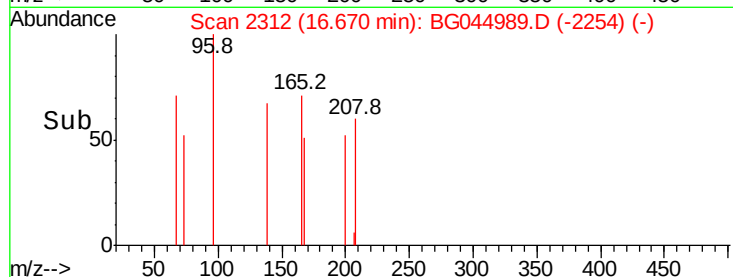
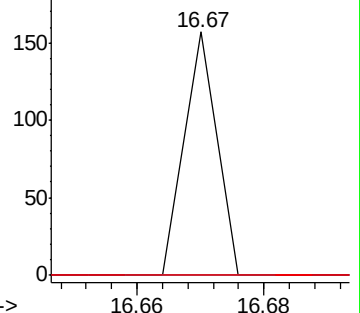
215 0.0 30.0 70.0#



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# 2602

Delta R.T. 0.00 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

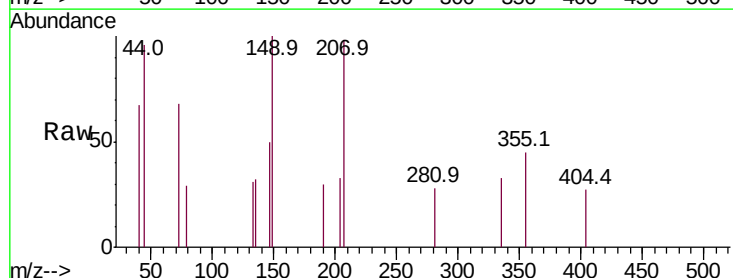
Tgt Ion:149 Resp: 512

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

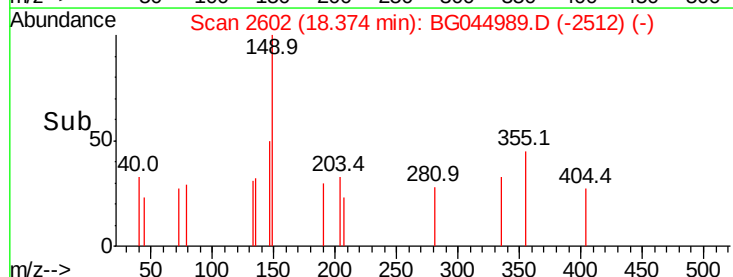
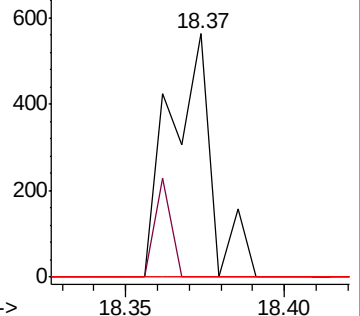
104 0.0 4.8 7.2#

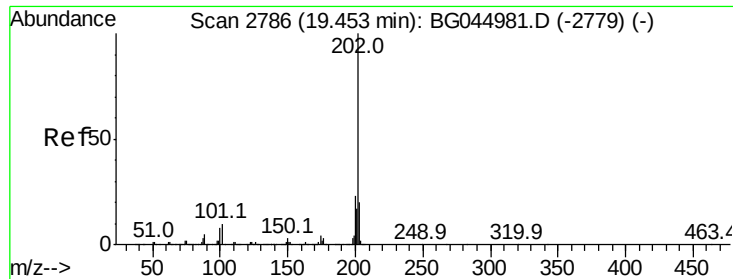


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

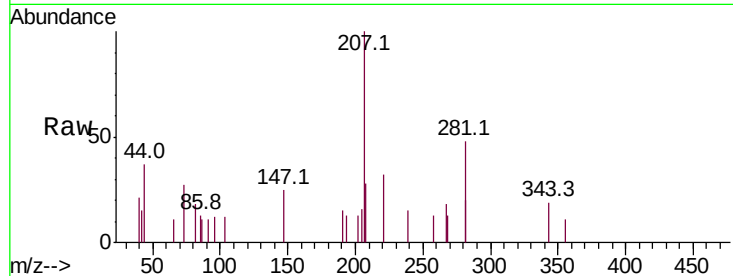




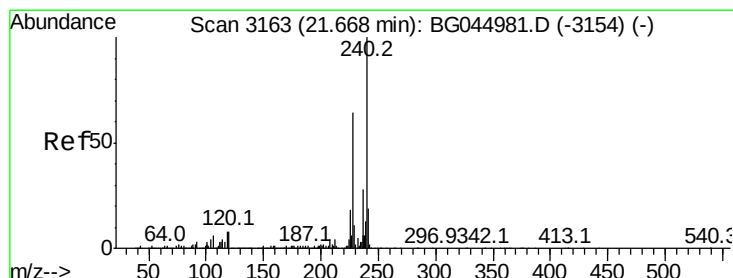
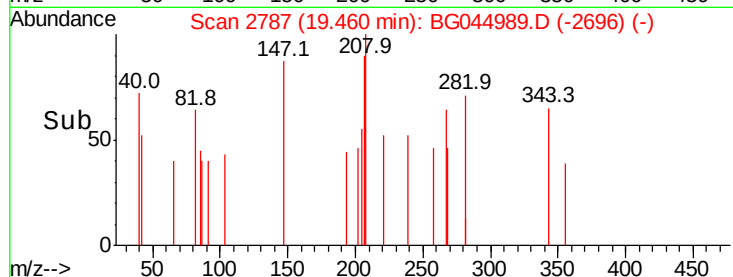
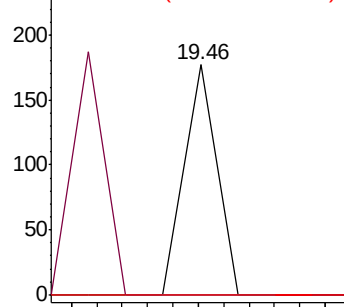
#75
Fluoranthene
Concen: Below Cal
RT: 19.46 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Instrument :
BNA_G
ClientSampleId :
PB128245BL

Tot Ion:	202	Resp:	62
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7

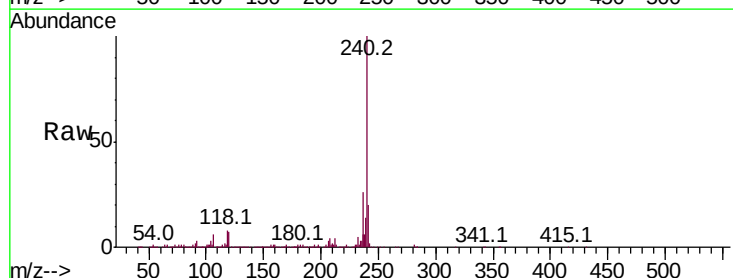


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

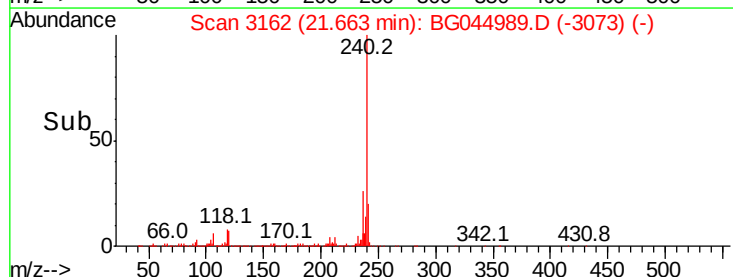
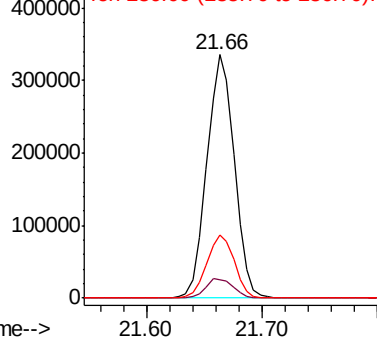


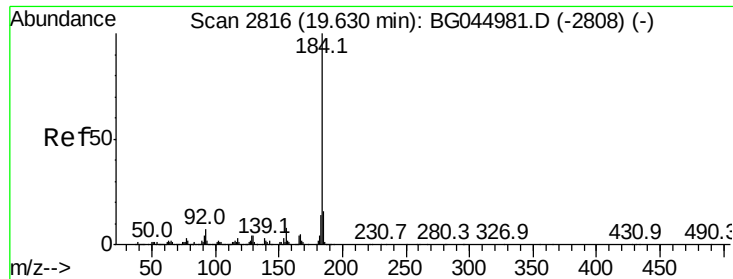
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Tgt Ion:	240	Resp:	553077
Ion	Ratio	Lower	Upper
240	100		
120	7.5	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





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

Instrument :

BNA_G

ClientSampleId :

PB128245BL

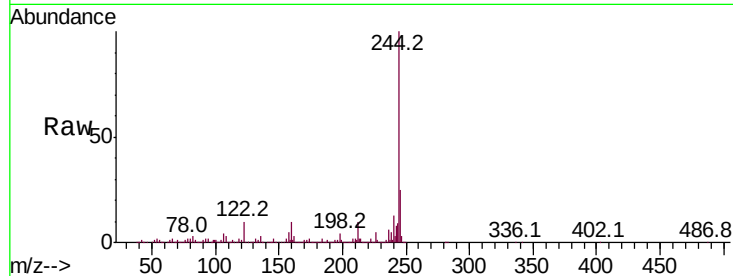
Tot Ion:184 Resp: 45250

Ion Ratio Lower Upper

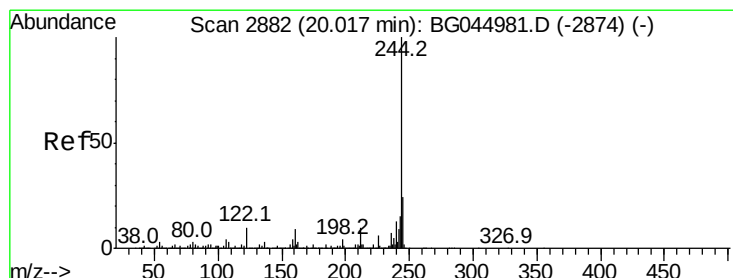
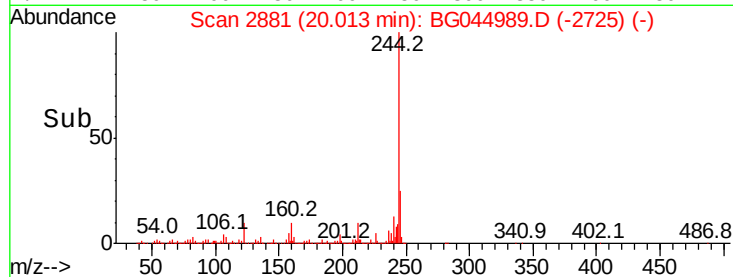
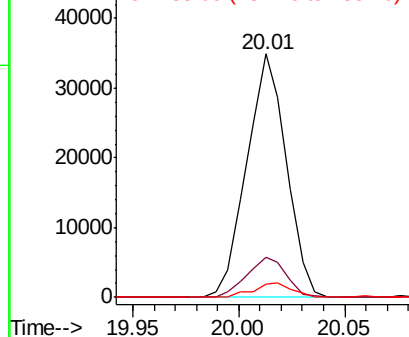
184 100

185 16.4 12.6 19.0

183 5.4 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: 93.403 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG044989.D

Acq: 15 Apr 2020 19:37

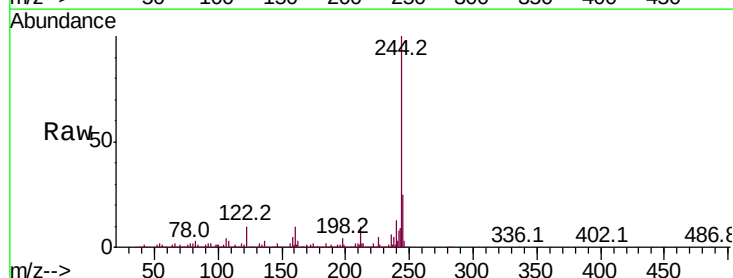
Tgt Ion:244 Resp: 2370164

Ion Ratio Lower Upper

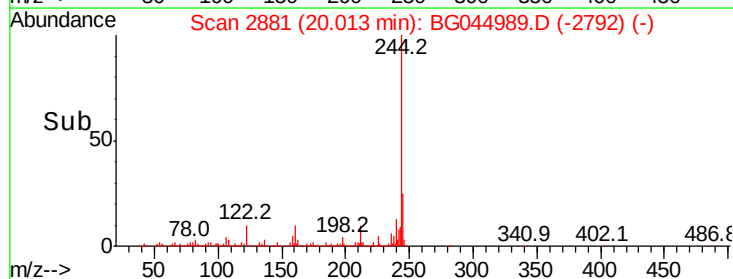
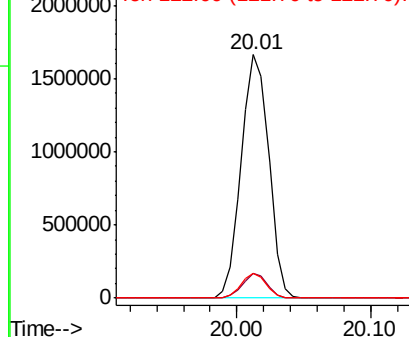
244 100

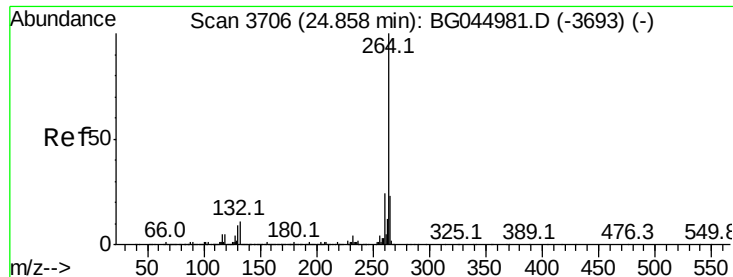
212 10.0 7.9 11.9

122 10.0 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: 24.85 min Scan# 3705
Delta R.T. -0.00 min
Lab File: BG044989.D
Acq: 15 Apr 2020 19:37

Instrument :
BNA_G
ClientSampleId :
PB128245BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	19.0	28.4

