

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045013.D
 Acq On : 16 Apr 2020 19:30
 Operator : CG/JU
 Sample : L2284-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12-DA

Quant Time: Apr 17 04:38:27 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	67484	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	302671	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	233116	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	571142	20.00	ng	0.00
76) Chrysene-d12	21.66	240	564552	20.00	ng	0.00
87) Perylene-d12	24.85	264	604480	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	289136	70.73	ng	0.00
7) Phenol-d6	7.18	99	451028	74.27	ng	0.00
23) Nitrobenzene-d5	9.18	82	322814	48.67	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	288452	80.10	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	852084	53.60	ng	0.00
79) Terphenyl-d14	20.01	244	1615455	62.37	ng	0.00

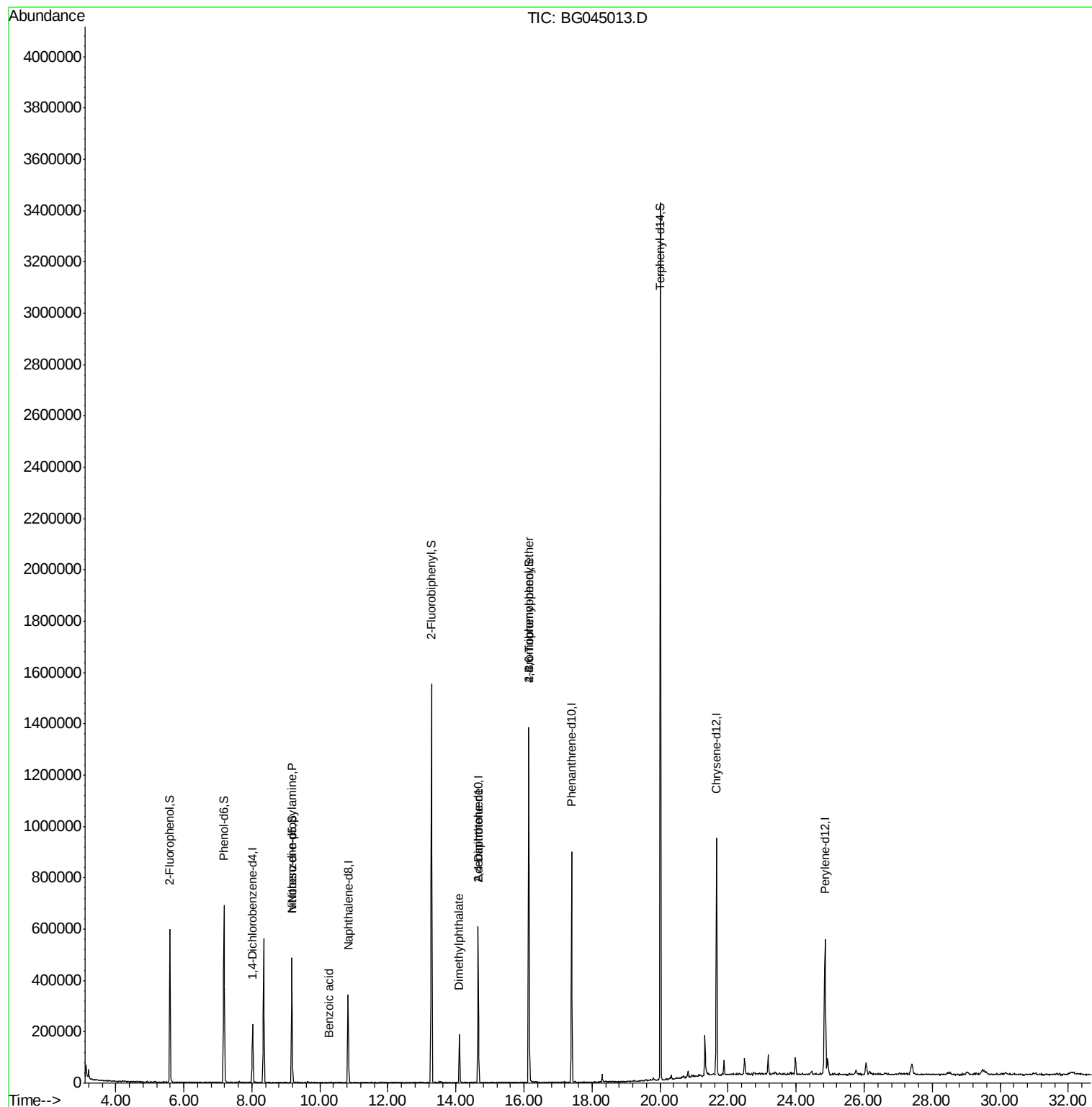
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	853	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	40729	9.483	ng	# 81
32) Benzoic acid	10.28	122	75	6.391	ng	# 1
50) Dimethylphthalate	14.10	163	129217	6.808	ng	# 99
57) 2,4-Dinitrotoluene	14.66	165	28214	4.547	ng	# 22
67) 4-Bromophenyl-phenylether	16.14	248	19803	2.688	ng	# 1
69) Atrazine	16.84	200	70	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	616	Below Cal	#	76
75) Fluoranthene	19.45	202	256	Below Cal	#	62
77) Benzidine	20.01	184	28528	Below Cal	#	93

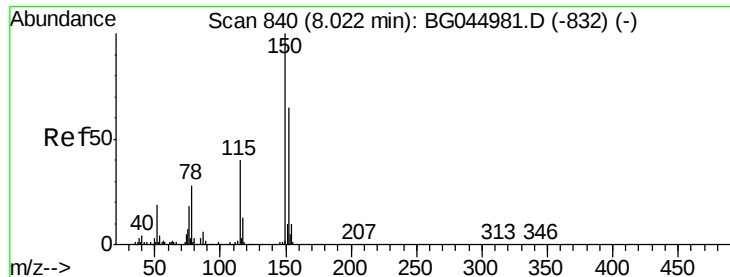
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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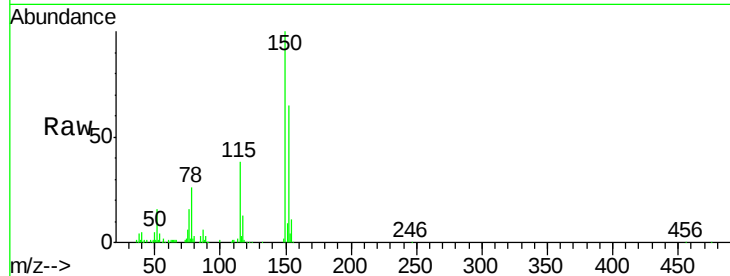


#1

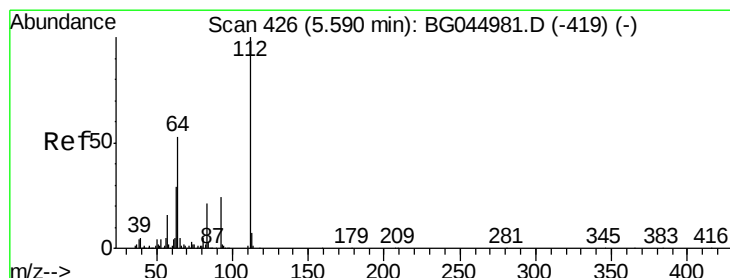
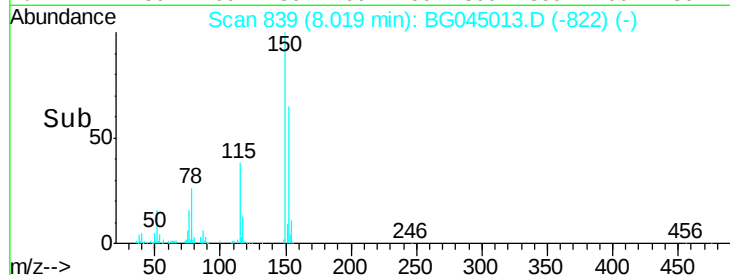
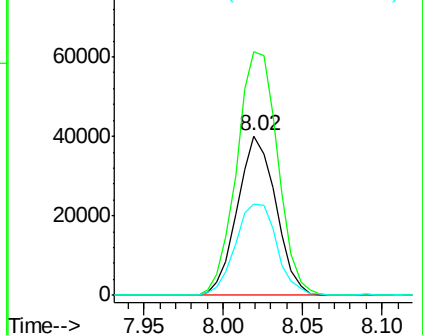
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Instrument :
BNA_G
ClientSampleId :
TP-12-DA

Tot Ion:152 Resp: 67484
Ion Ratio Lower Upper
152 100
150 152.7 123.6 185.4
115 57.5 49.1 73.7



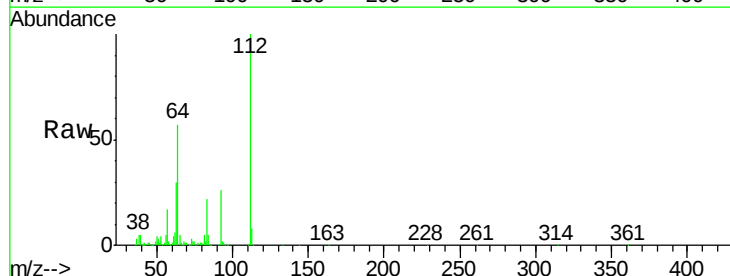
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



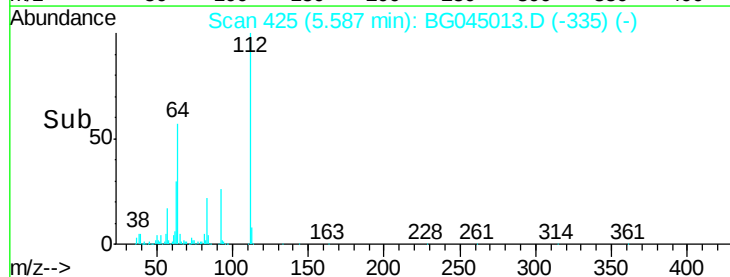
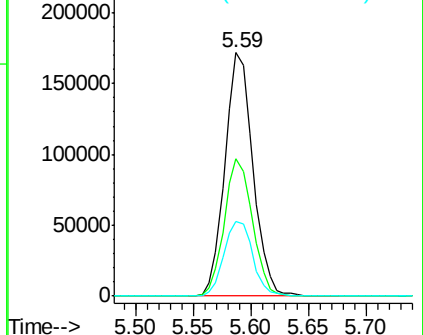
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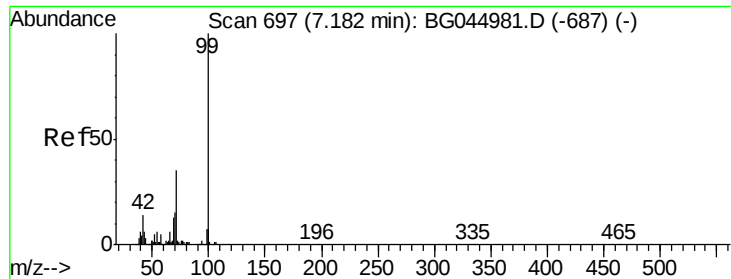
2-Fluorophenol
Concen: 70.735 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Tgt Ion:112 Resp: 289136
Ion Ratio Lower Upper
112 100
64 56.6 42.4 63.6
63 30.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 74.266 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

Instrument :

BNA_G

ClientSampleId :

TP-12-DA

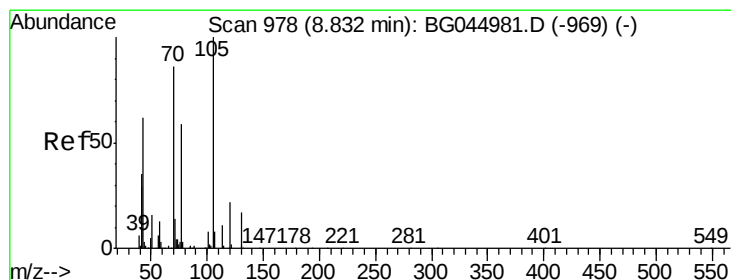
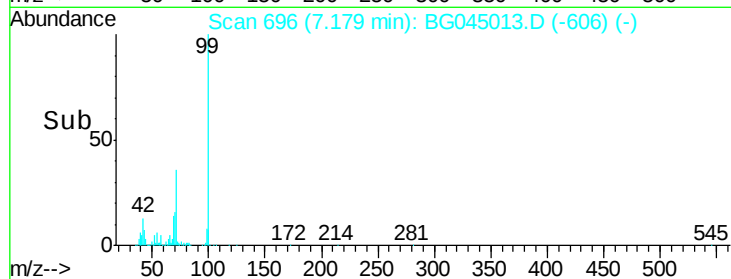
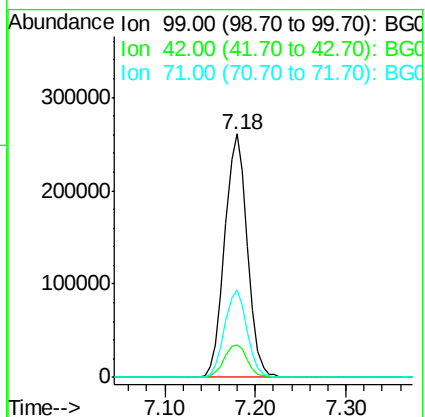
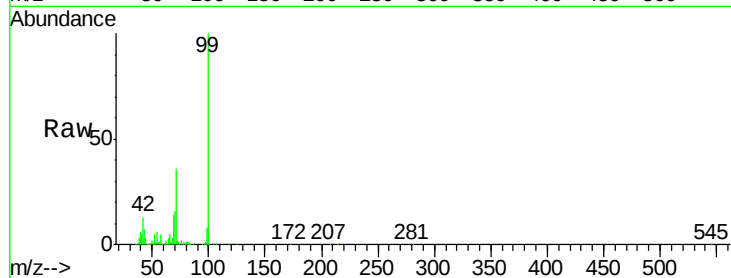
Tot Ion: 99 Resp: 451028

Ion Ratio Lower Upper

99 100

42 13.5 11.3 16.9

71 35.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 9.483 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

Tgt Ion: 70 Resp: 40729

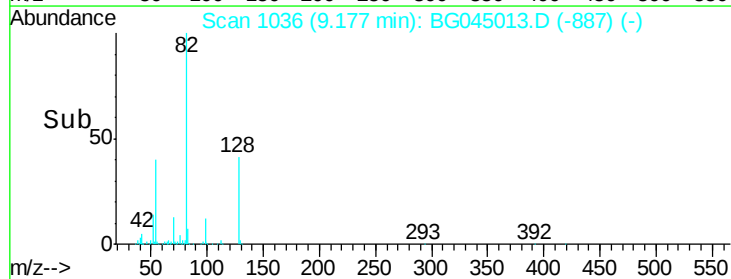
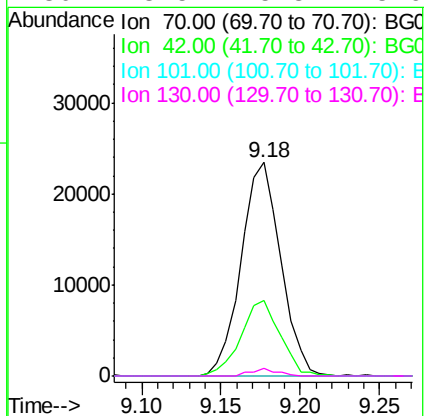
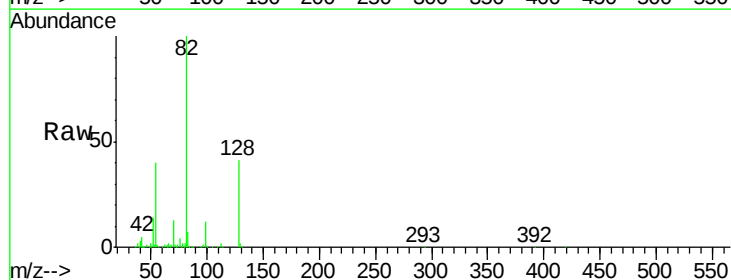
Ion Ratio Lower Upper

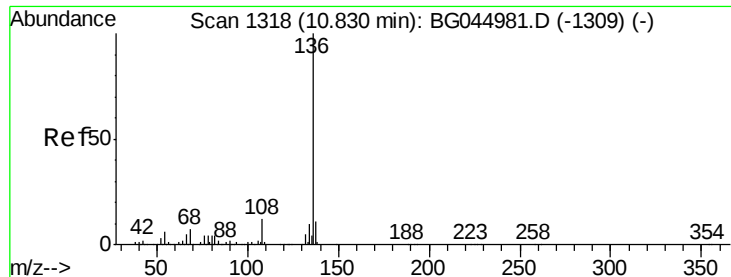
70 100

42 35.5 33.3 49.9

101 0.0 7.8 11.8#

130 3.5 15.8 23.6#

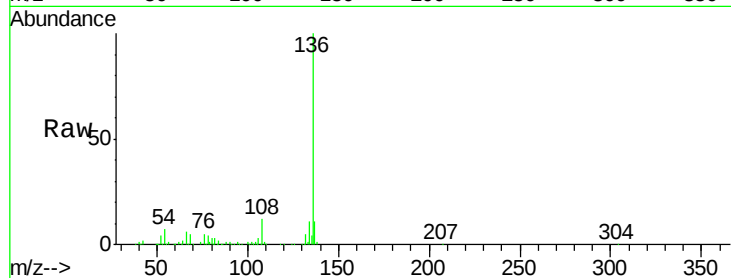




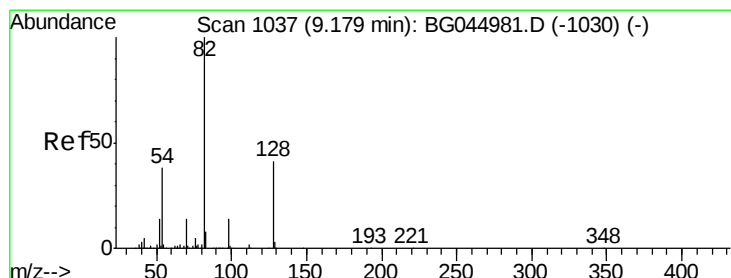
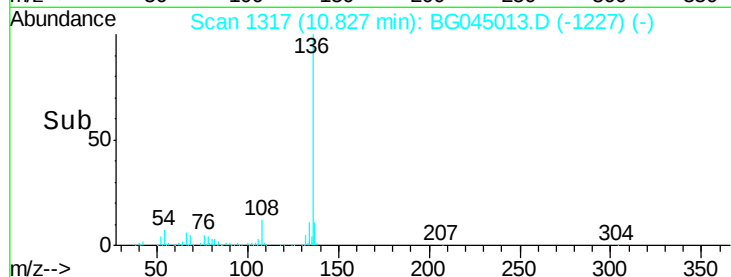
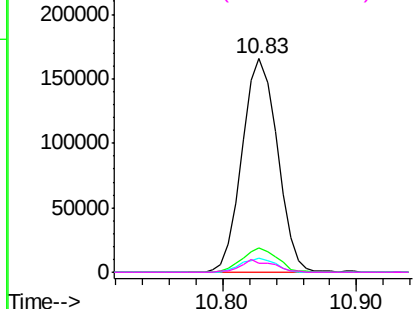
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Instrument :
BNA_G
ClientSampleId :
TP-12-DA

Tot Ion:136	Resp:	302671
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.6 13.0
54	6.7	4.8 7.2
68	4.5	5.2 7.8

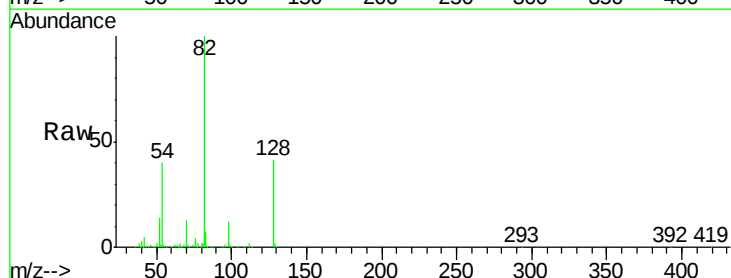


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

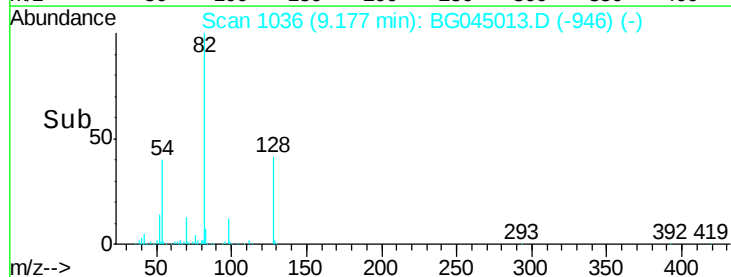
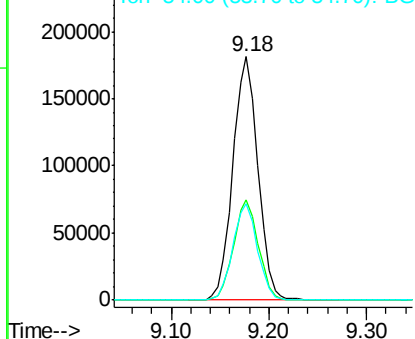


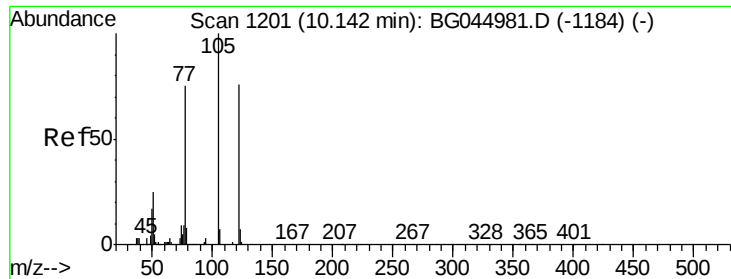
#23
Nitrobenzene-d5
Concen: 48.665 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Tgt Ion: 82	Resp:	322814
Ion	Ratio	Lower Upper
82	100	
128	41.4	33.0 49.4
54	39.6	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

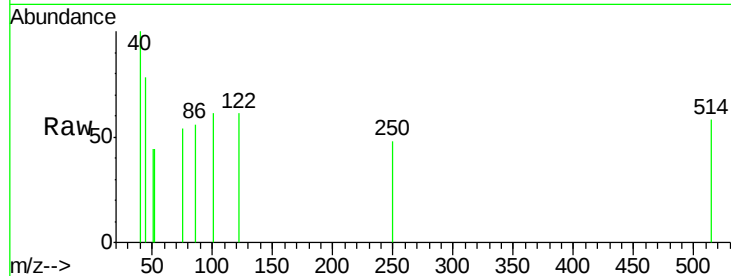




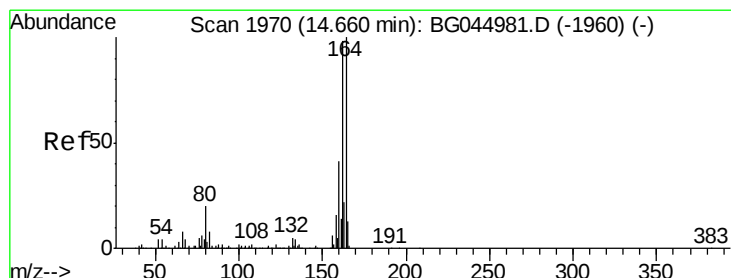
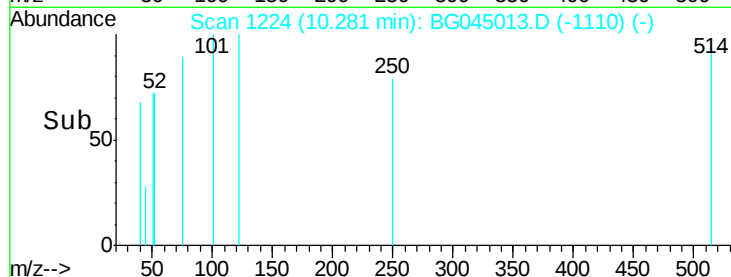
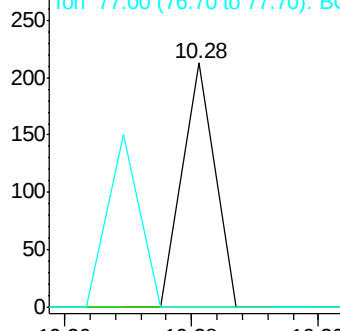
#32
Benzoic acid
Concen: 6.391 ng
RT: 10.28 min Scan# 1224
Delta R.T. 0.14 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Instrument :
BNA_G
ClientSampled :
TP-12-DA

Tot Ion:122 Resp: 75
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

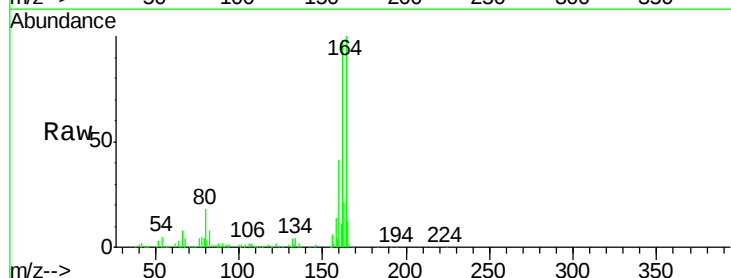


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

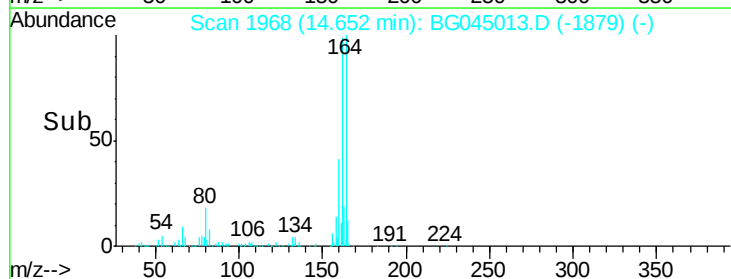
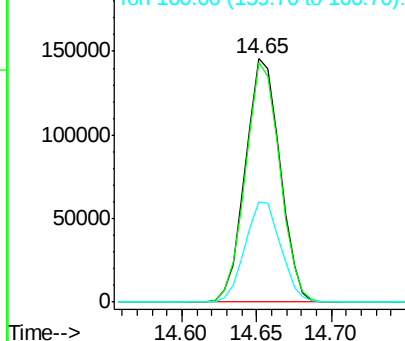


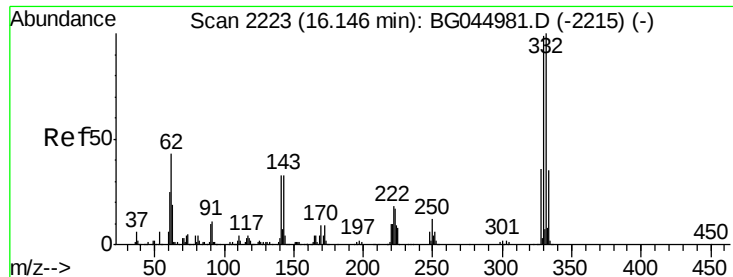
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Tgt Ion:164 Resp: 233116
Ion Ratio Lower Upper
164 100
162 98.4 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

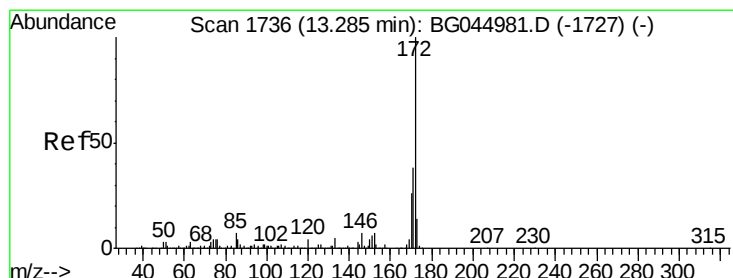
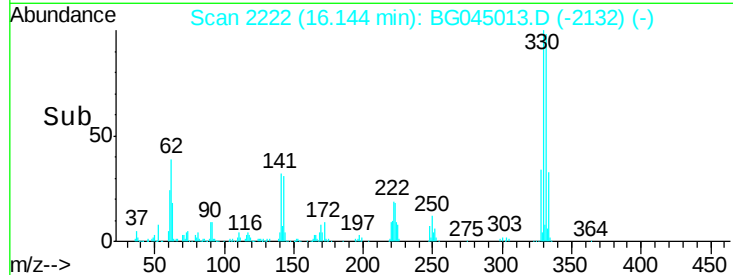
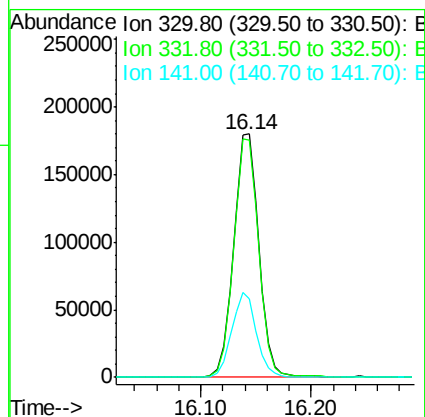
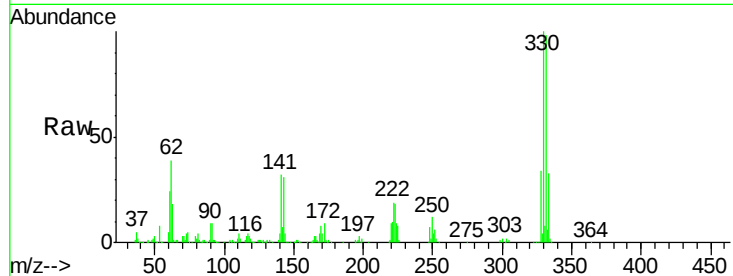




#42
 2,4,6-Tribromophenol
 Concen: 80.096 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045013.D
 Acq: 16 Apr 2020 19:30

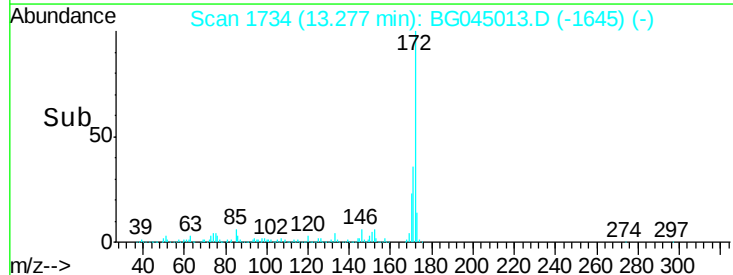
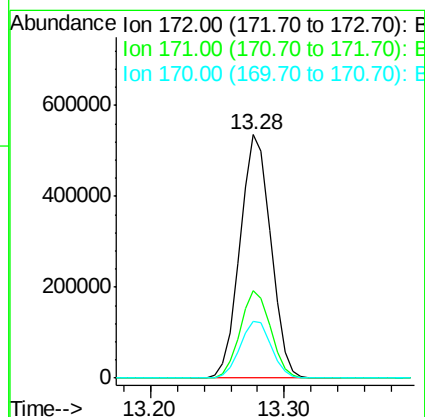
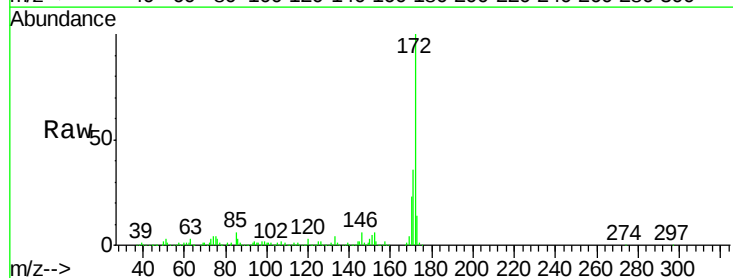
Instrument :
 BNA_G
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 TP-12-DA

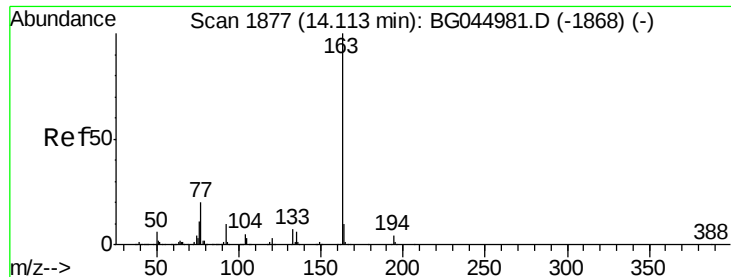
Tot Ion:	330	Resp:	288452
Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.1	118.7
141	34.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 53.597 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG045013.D
 Acq: 16 Apr 2020 19:30

Tgt Ion:	172	Resp:	852084
Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	46.0
170	23.1	20.5	30.7

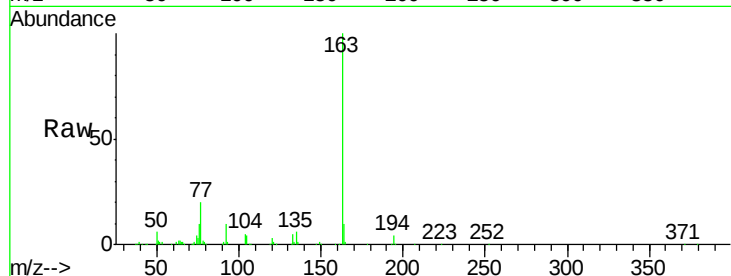




#50
Dimethylphthalate
Concen: 6.808 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Instrument :
BNA_G
ClientSampleId :
TP-12-DA

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.2	12.4

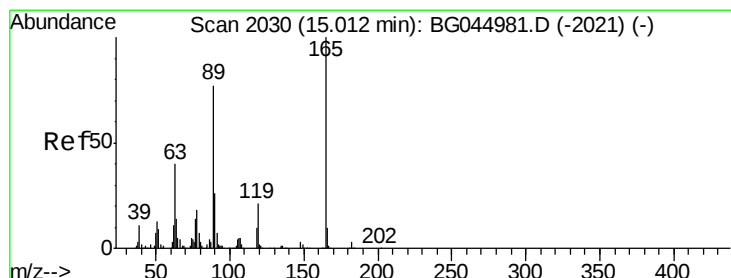
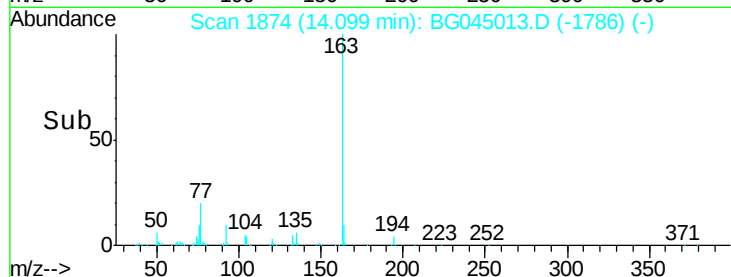
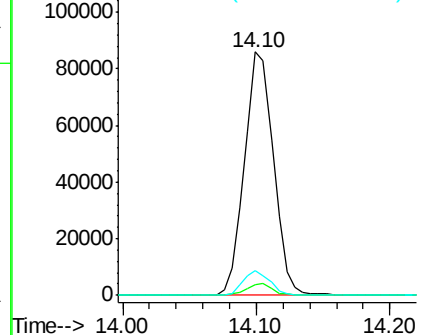


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 4.547 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.35 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	1.9	61.7	92.5#
182	0.0	2.0	3.0#

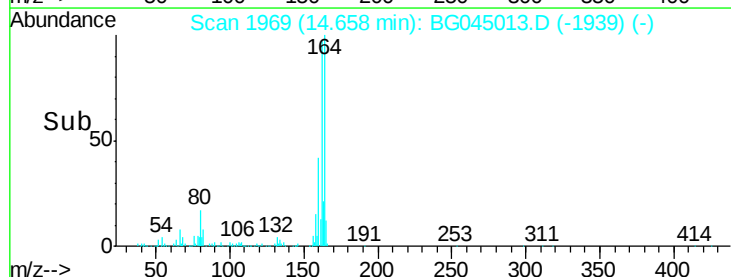
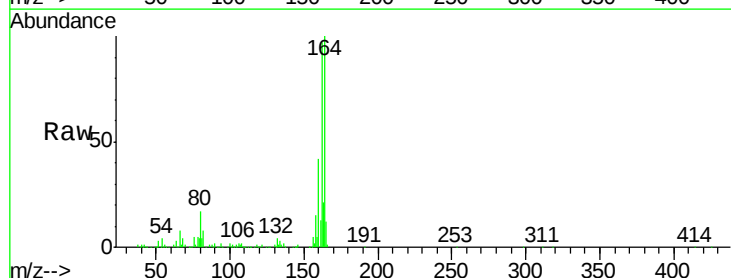
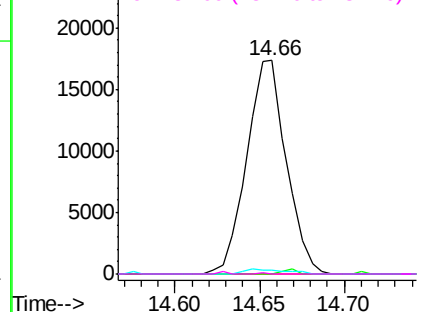
Abundance

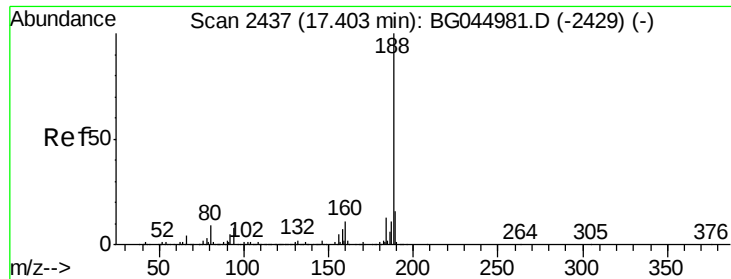
Ion 165.00 (164.70 to 165.70): E

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: BG045013.D

Acq: 16 Apr 2020 19:30

Instrument :

BNA_G

ClientSampleId :

TP-12-DA

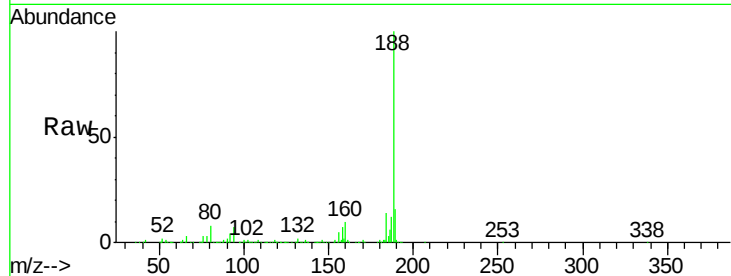
Tot Ion:188 Resp: 571142

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

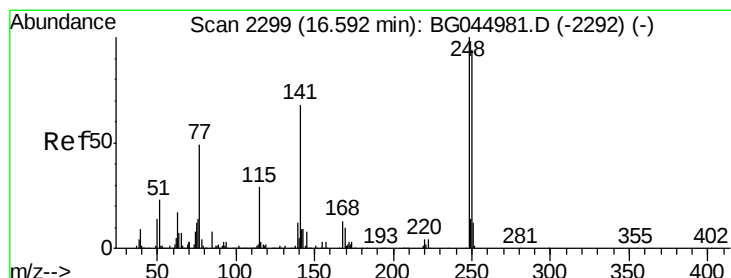
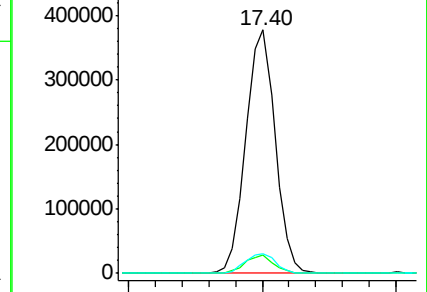
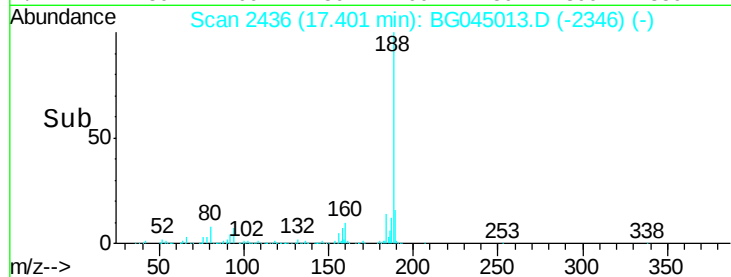
80 7.9 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#67

4-Bromophenyl-phenylether

Concen: 2.688 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

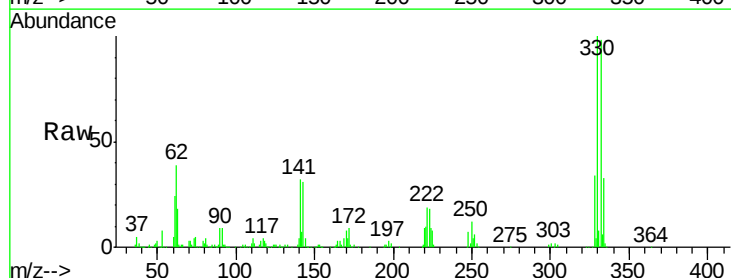
Tgt Ion:248 Resp: 19803

Ion Ratio Lower Upper

248 100

250 158.4 75.4 113.2#

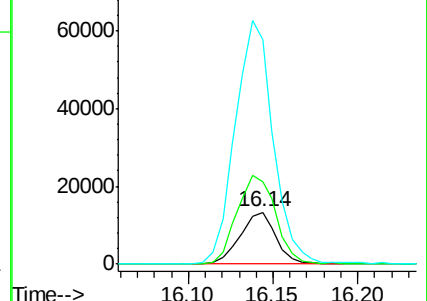
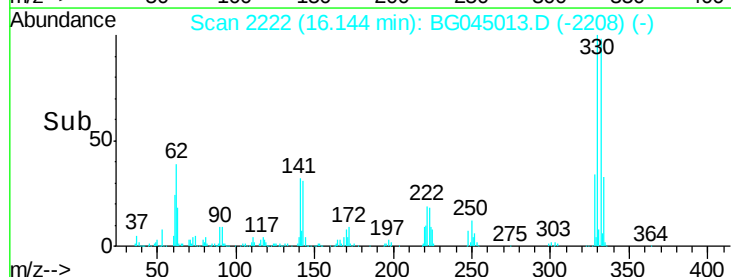
141 429.3 54.4 81.6#

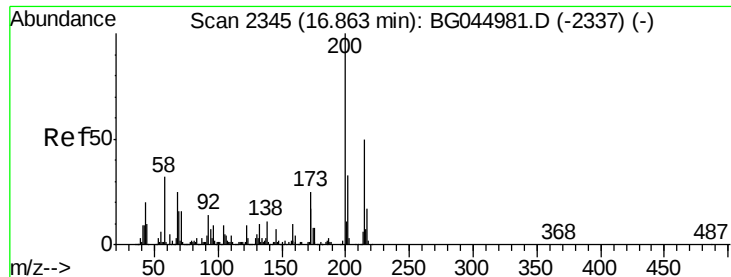


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.84 min Scan# 2341

Delta R.T. -0.02 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

Instrument :

BNA_G

ClientSampleId :

TP-12-DA

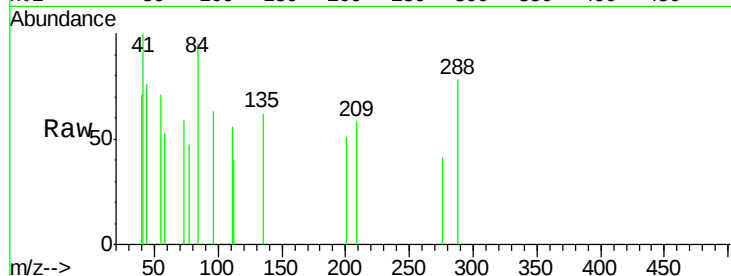
Tot Ion:200 Resp: 70

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

16.84

200

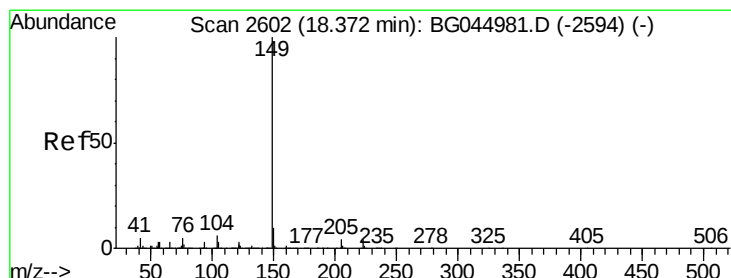
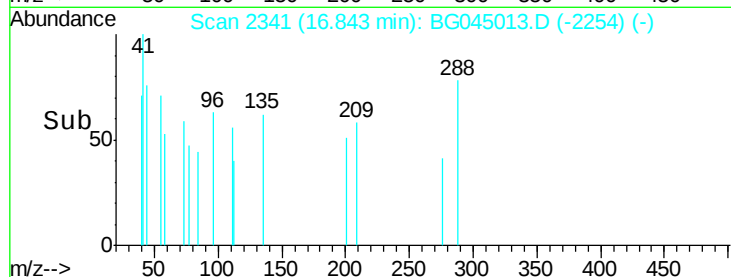
150

100

50

0

Time--> 16.82 16.84 16.86



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

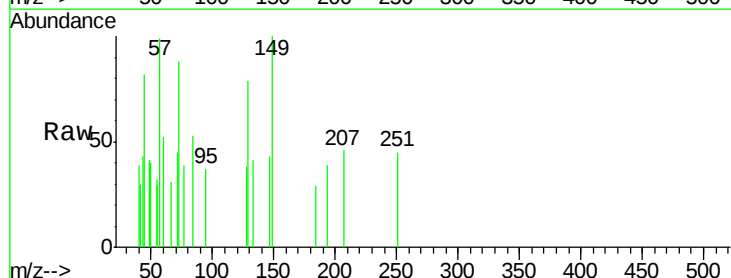
Tgt Ion:149 Resp: 616

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

18.36

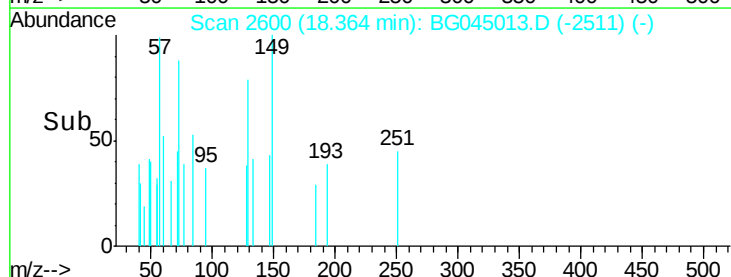
600

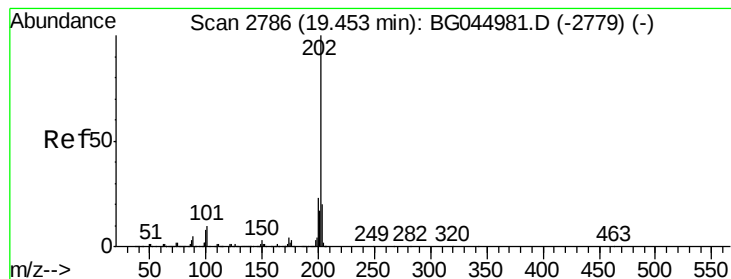
400

200

0

Time--> 18.35 18.40





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

Instrument :

BNA_G

ClientSampleId :

TP-12-DA

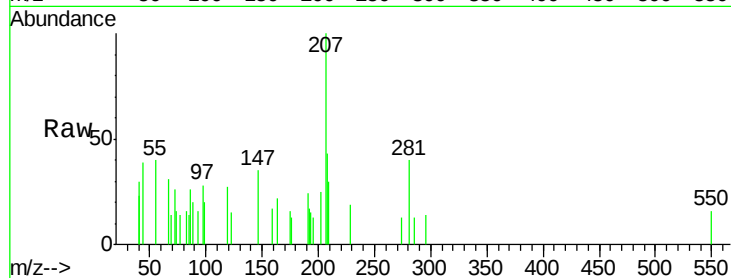
Tot Ion:202 Resp: 256

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

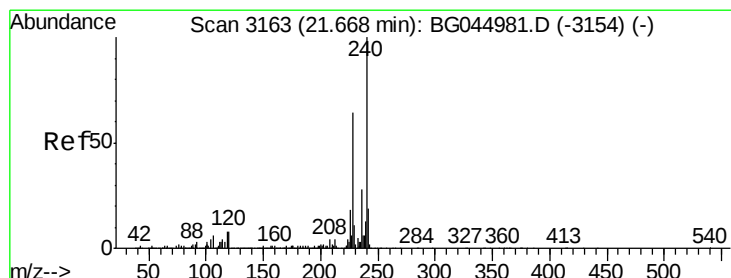
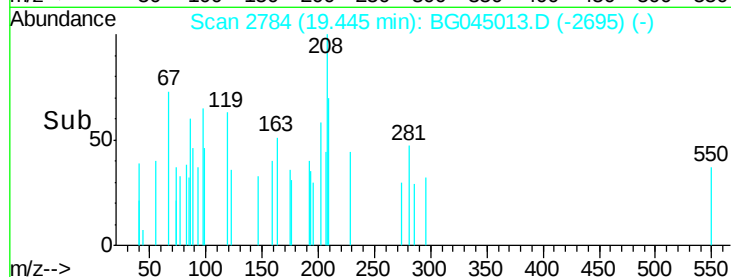
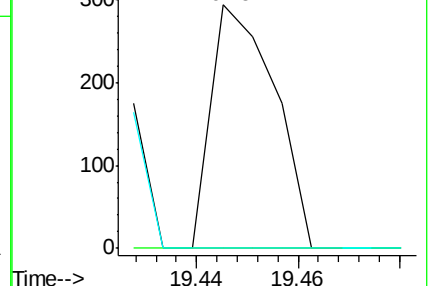
203 0.0 0.0 39.7



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# 3161

Delta R.T. -0.01 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

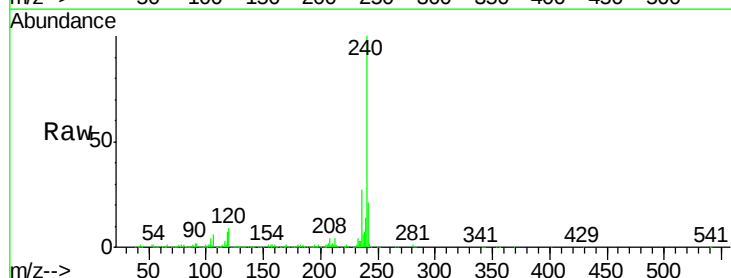
Tgt Ion:240 Resp: 564552

Ion Ratio Lower Upper

240 100

120 8.7 6.6 10.0

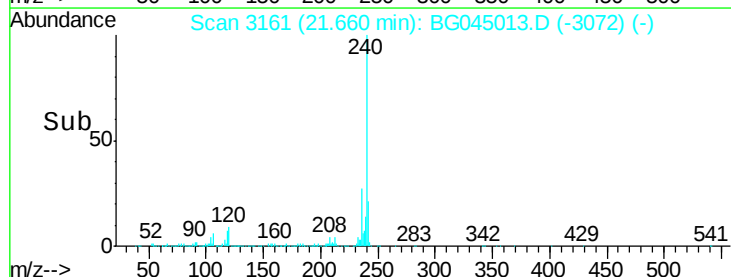
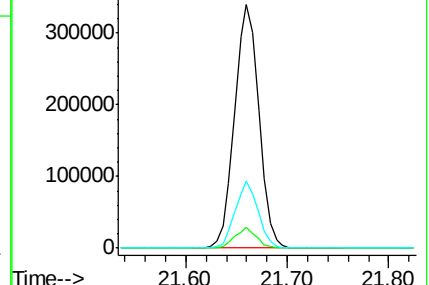
236 27.3 22.2 33.2

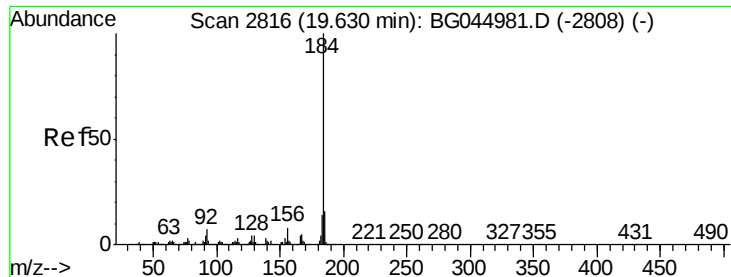


Abundance Ion 240.00 (239.70 to 240.70): E

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# 2880

Delta R.T. 0.38 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

Instrument :

BNA_G

ClientSampleId :

TP-12-DA

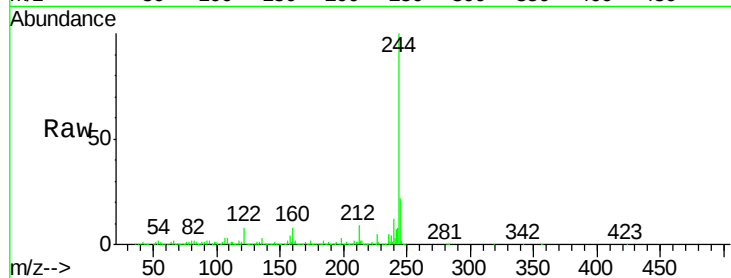
Tot Ion:184 Resp: 28528

Ion Ratio Lower Upper

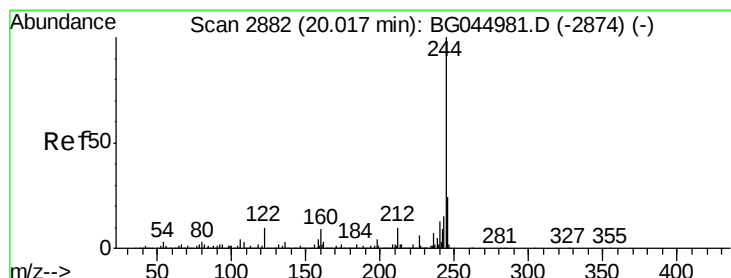
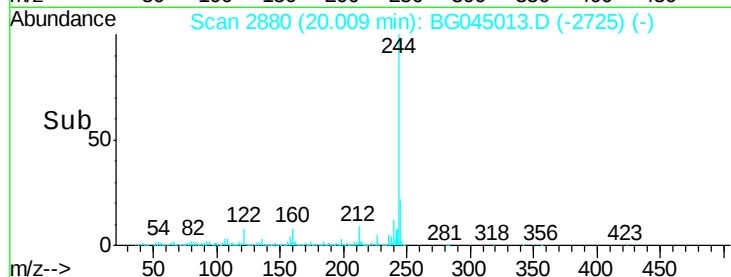
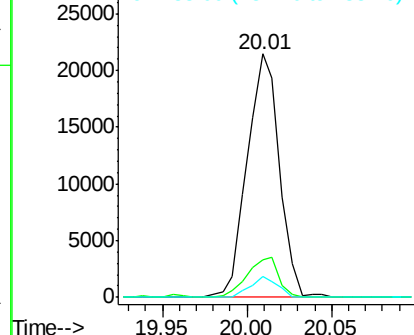
184 100

185 15.5 12.6 19.0

183 8.7 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: 62.368 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG045013.D

Acq: 16 Apr 2020 19:30

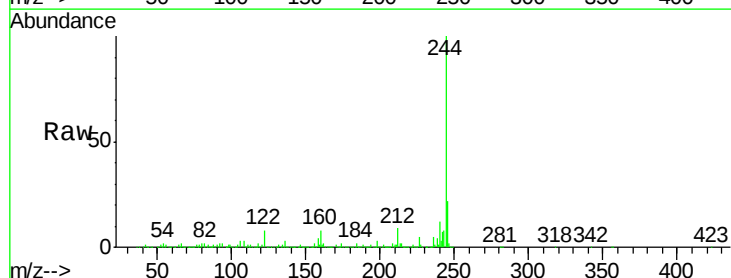
Tgt Ion:244 Resp: 1615455

Ion Ratio Lower Upper

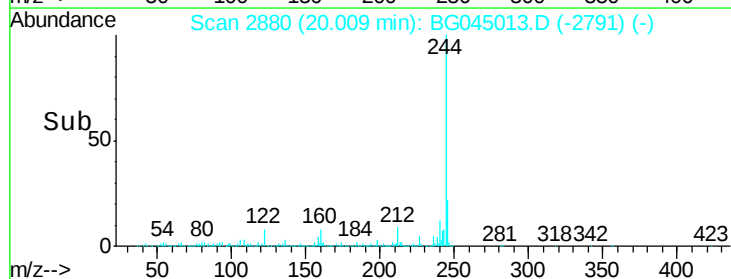
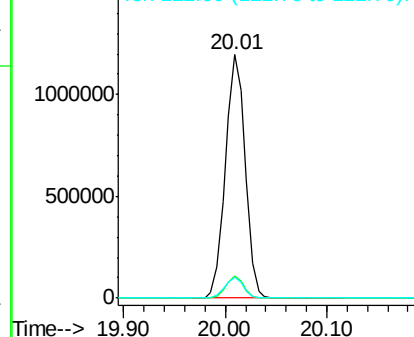
244 100

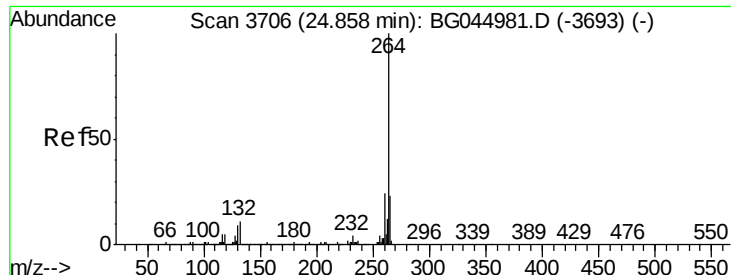
212 8.9 7.9 11.9

122 8.4 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# 3704
Delta R.T. -0.01 min
Lab File: BG045013.D
Acq: 16 Apr 2020 19:30

Instrument :
BNA_G
ClientSampleId :
TP-12-DA

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.2	19.0	28.4

