

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045054.D
 Acq On : 18 Apr 2020 6:26
 Operator : CG/JU
 Sample : L2307-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-10

Quant Time: Apr 18 07:20:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	56167	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	240353	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	186346	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	467289	20.00	ng	0.00
76) Chrysene-d12	21.66	240	453973	20.00	ng	0.00
87) Perylene-d12	24.85	264	448102	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	502516	147.71	ng	0.00
7) Phenol-d6	7.19	99	703894	139.26	ng	0.00
23) Nitrobenzene-d5	9.18	82	516444	98.04	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	456205	158.47	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1247023	98.13	ng	0.00
79) Terphenyl-d14	20.01	244	2185558	104.93	ng	0.00

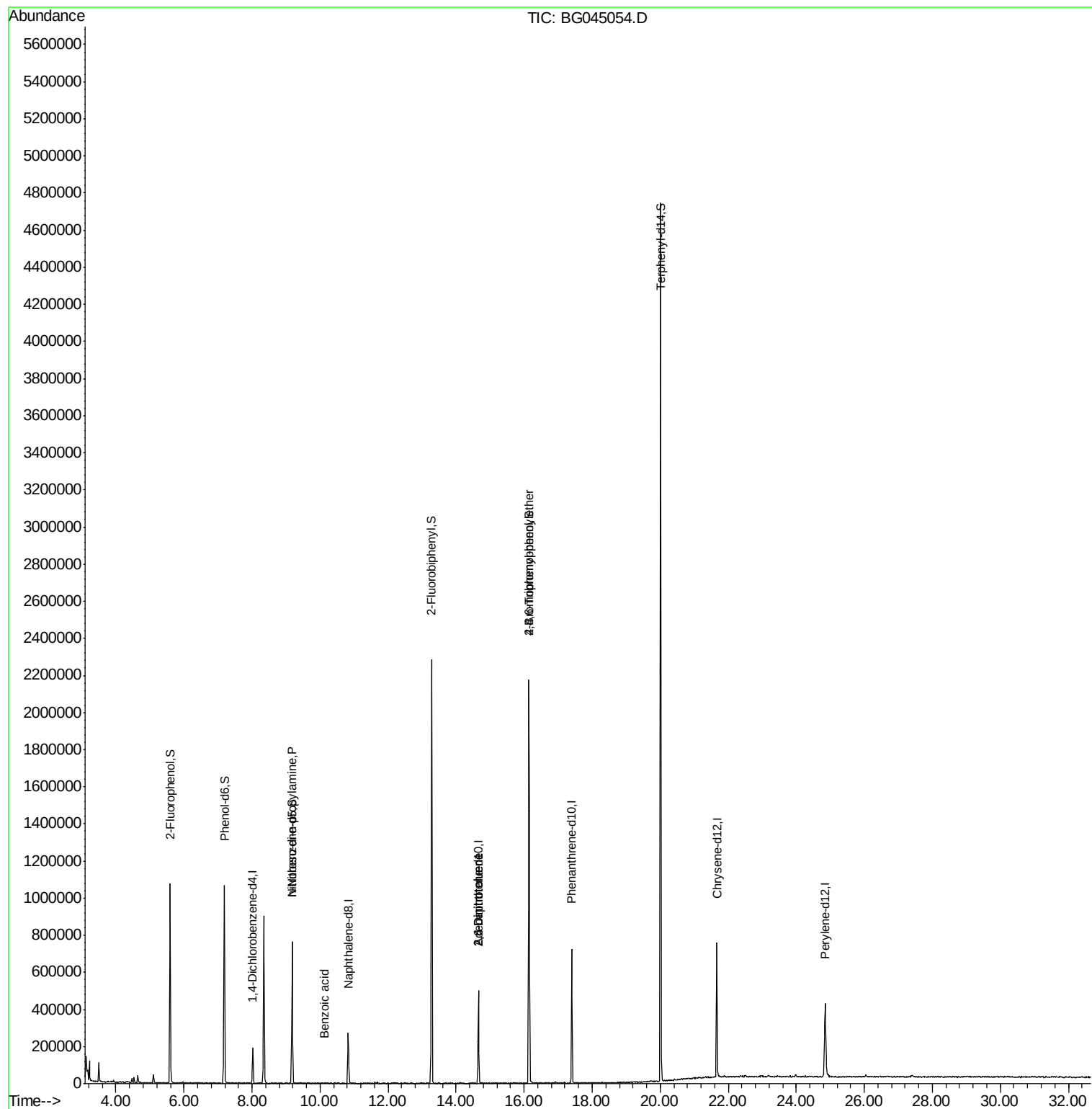
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1667	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	67763	18.956	ng	84
32) Benzoic acid	10.12	122	157	6.419	ng	31
51) 2,6-Dinitrotoluene	14.65	165	23569	6.945	ng	25
57) 2,4-Dinitrotoluene	14.65	165	23569	4.752	ng	22
67) 4-Bromophenyl-phenylether	16.14	248	29956	4.969	ng	1
69) Atrazine	16.44	200	74	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	754	Below Cal	#	76
75) Fluoranthene	19.45	202	440	Below Cal	#	62
77) Benzidine	20.01	184	42832	Below Cal	#	90

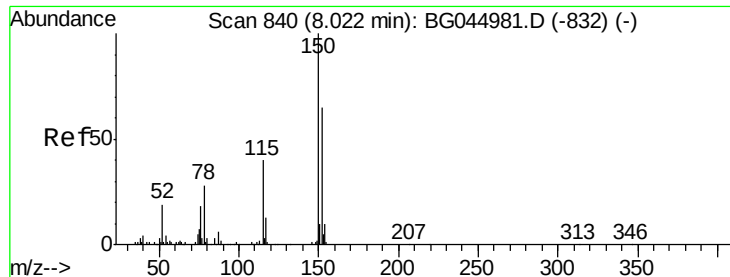
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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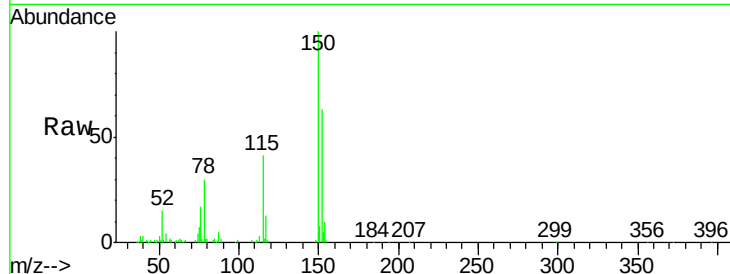


#1

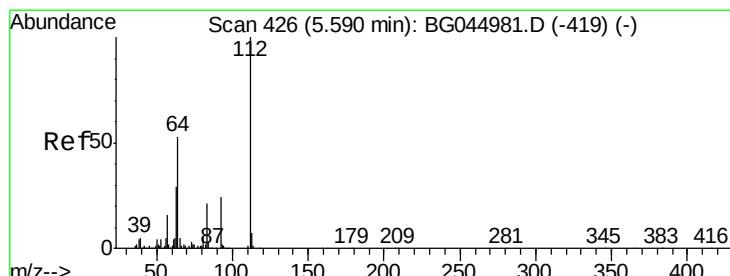
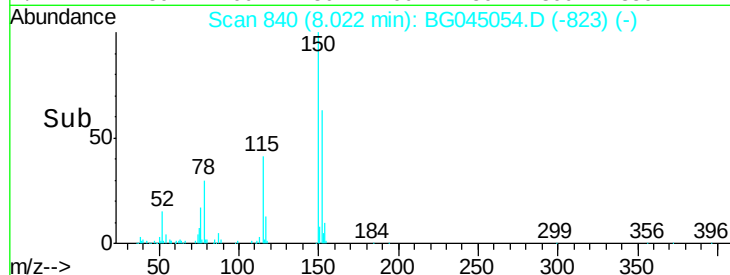
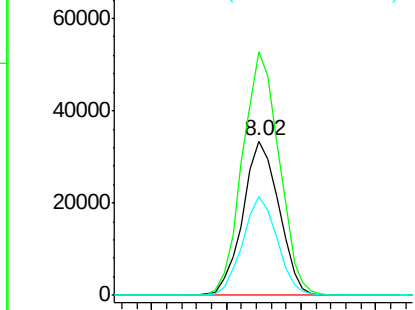
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

Instrument :
BNA_G
ClientSampleId :
TP-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.6	185.4
115	64.3	49.1	73.7



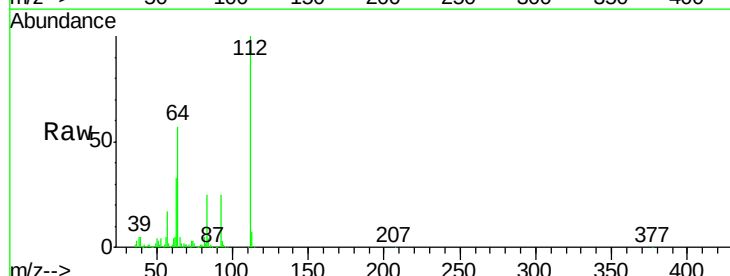
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



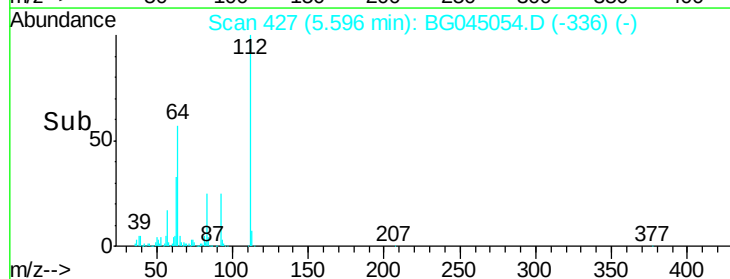
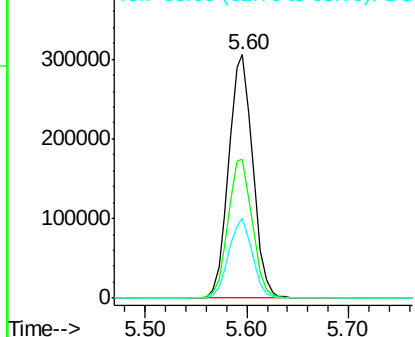
#5

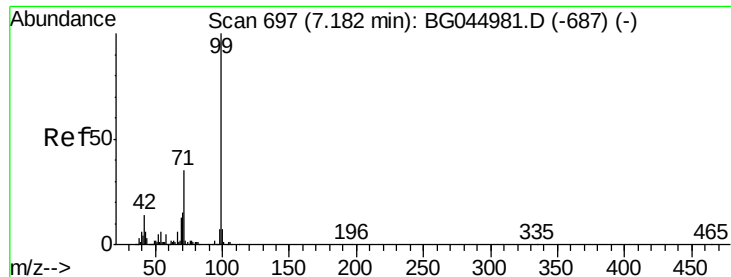
2-Fluorophenol
Concen: 147.707 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	42.4	63.6
63	32.8	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: 139.256 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

Instrument :

BNA_G

ClientSampled :

TP-10

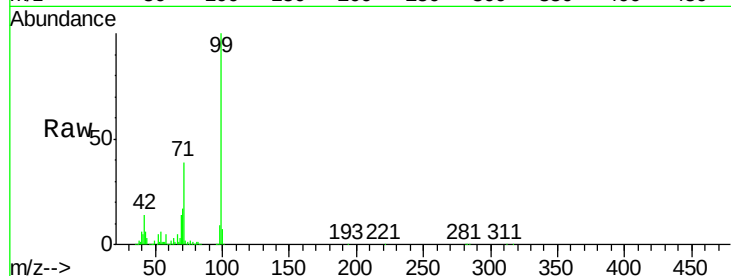
Tot Ion: 99 Resp: 703894

Ion Ratio Lower Upper

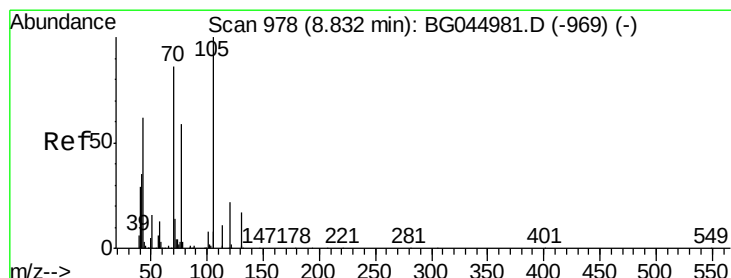
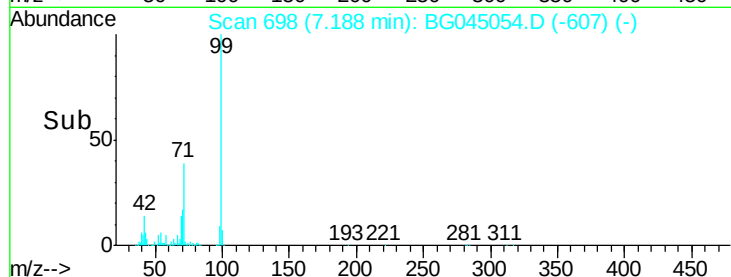
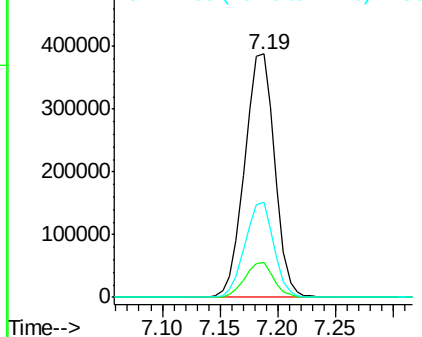
99 100

42 14.5 11.3 16.9

71 39.3 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: 18.956 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

Tgt Ion: 70 Resp: 67763

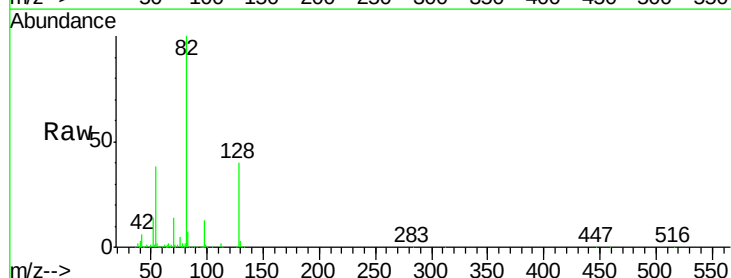
Ion Ratio Lower Upper

70 100

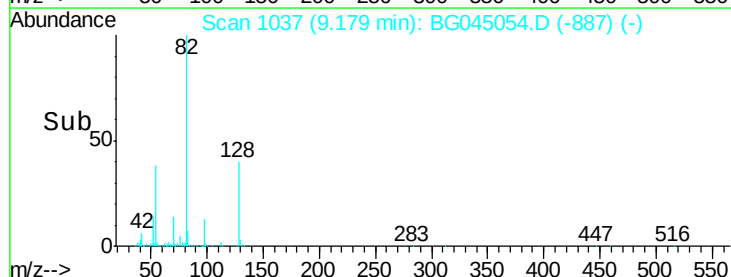
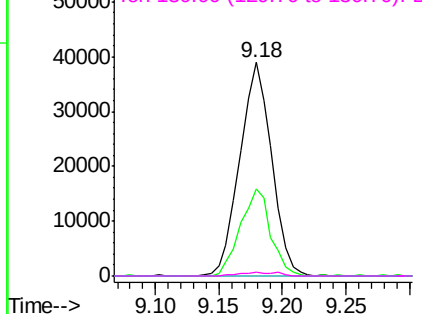
42 40.5 33.3 49.9

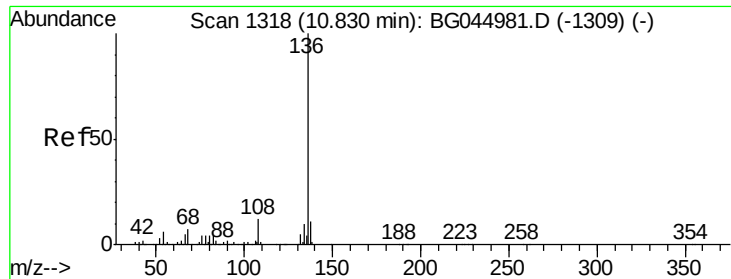
101 0.0 7.8 11.8#

130 1.5 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

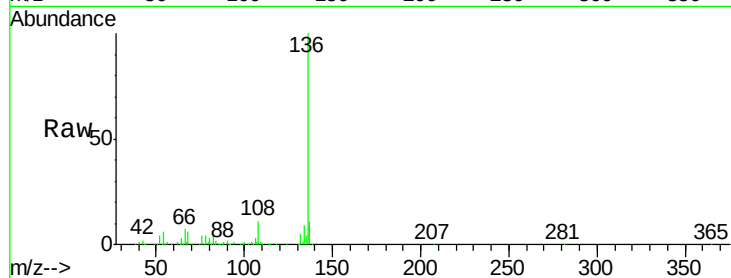




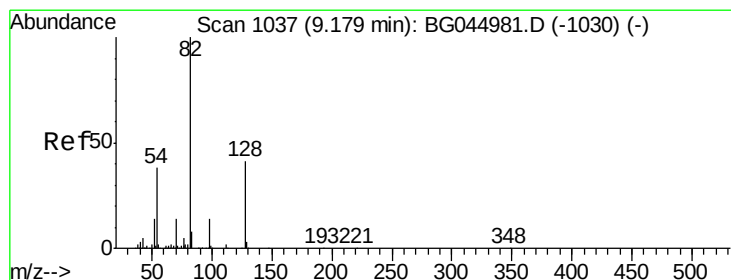
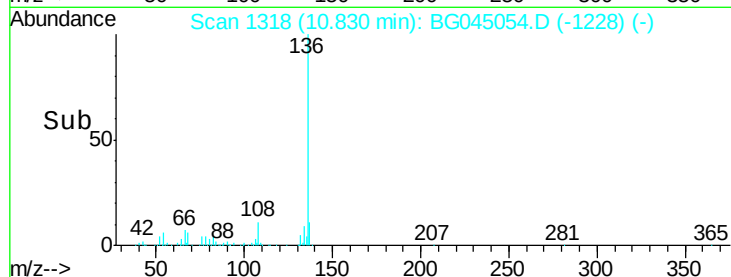
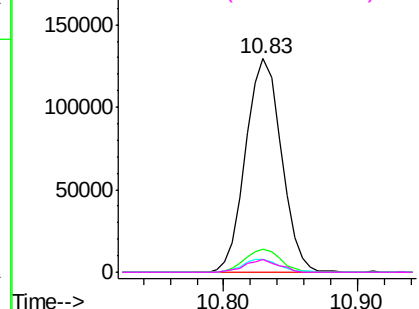
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

Instrument :
BNA_G
ClientSampleId :
TP-10

Tot Ion:136	Resp:	240353
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 13.0
54	5.8	4.8 7.2
68	5.9	5.2 7.8

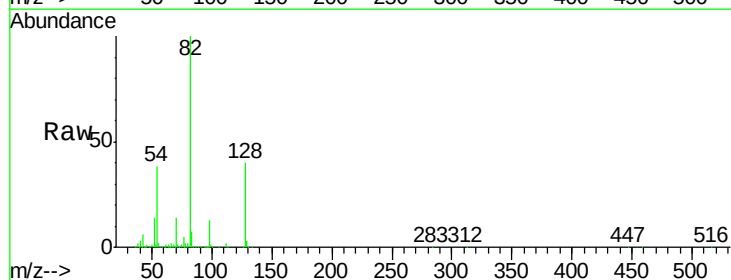


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

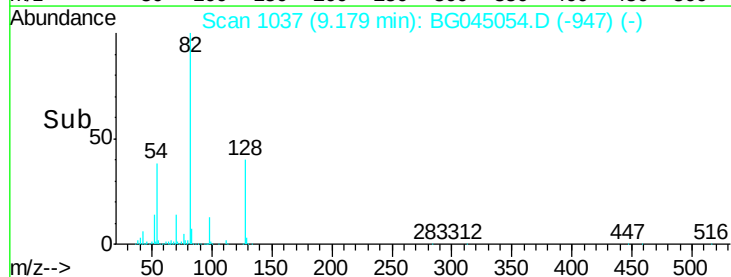
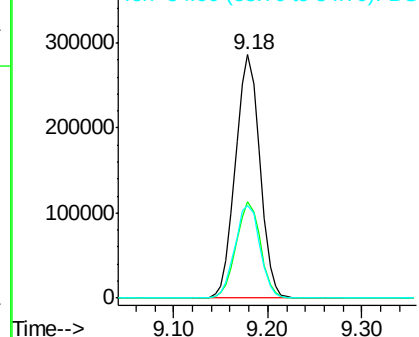


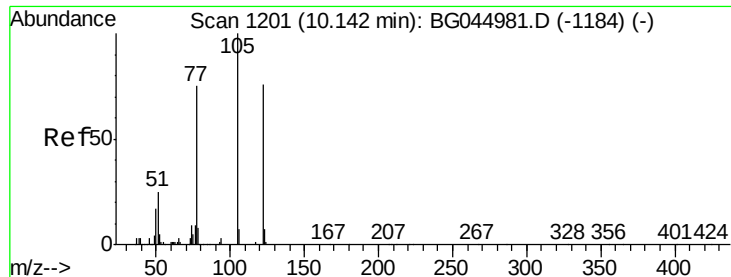
#23
Nitrobenzene-d5
Concen: 98.042 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

Tgt Ion: 82	Resp:	516444
Ion Ratio	Lower	Upper
82	100	
128	39.8	33.0 49.4
54	38.2	30.4 45.6



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

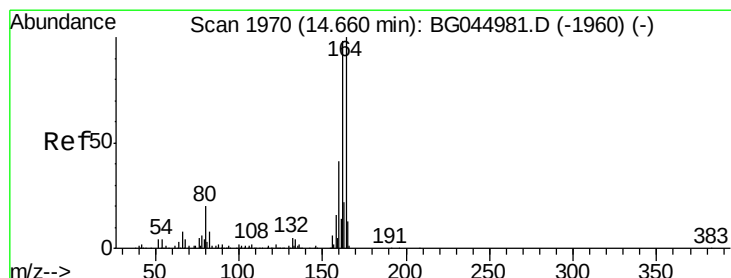
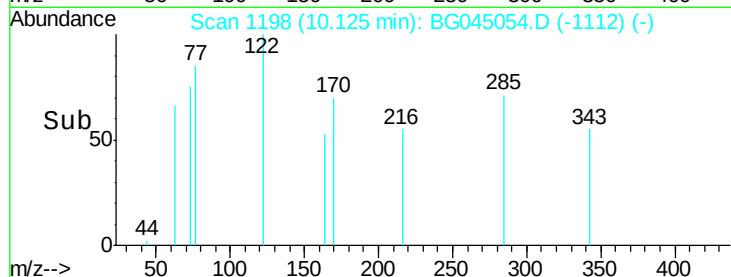
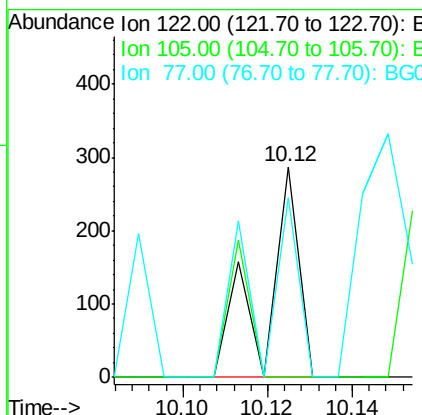
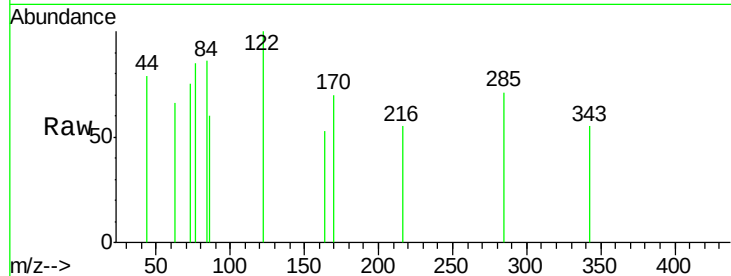




#32
Benzoic acid
Concen: 6.419 ng
RT: 10.12 min Scan# 1198
Delta R.T. -0.03 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

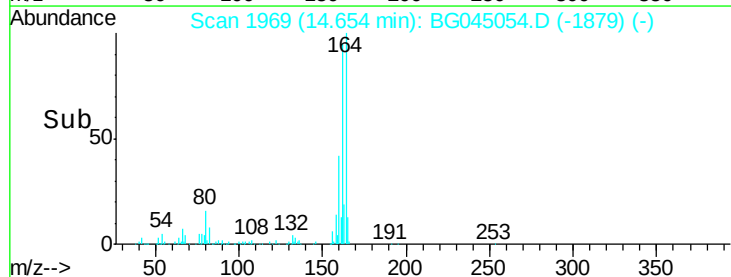
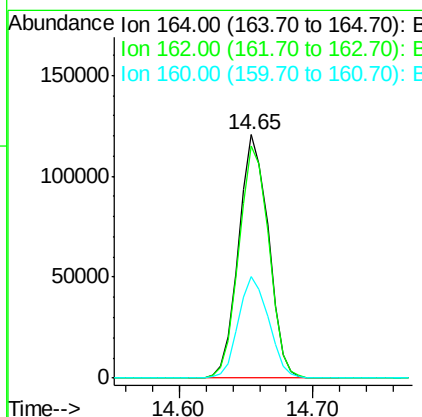
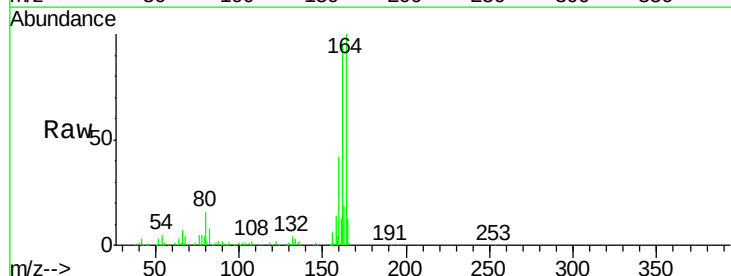
Instrument :
BNA_G
ClientSampleId :
TP-10

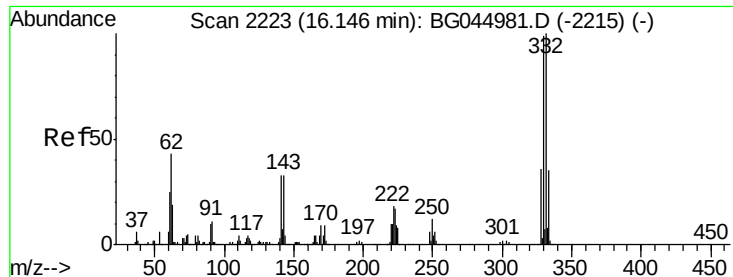
Tot Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 85.4 78.8 118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

Tgt Ion:164 Resp: 186346
Ion Ratio Lower Upper
164 100
162 95.1 78.7 118.1
160 41.9 32.8 49.2

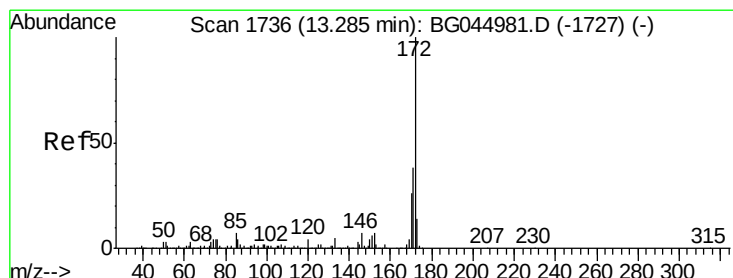
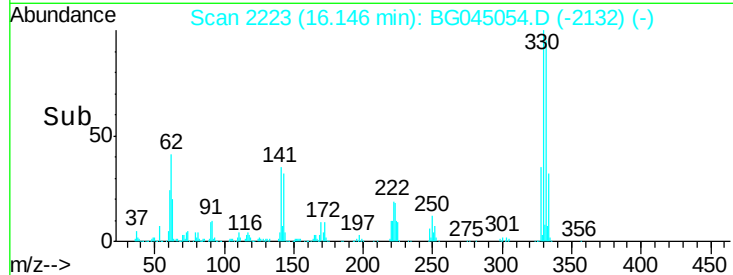
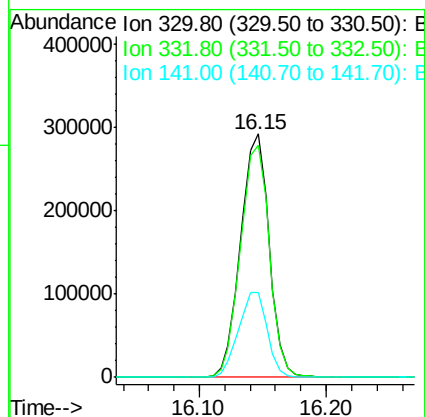
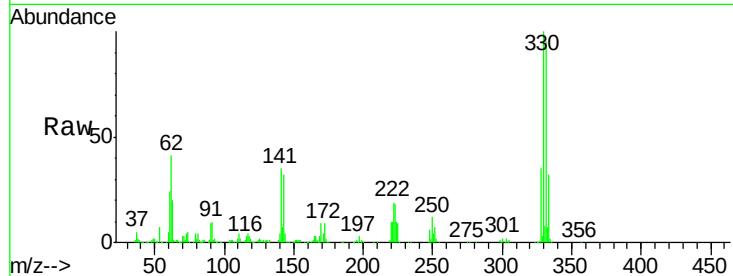




#42
 2,4,6-Tribromophenol
 Concen: 158.470 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045054.D
 Acq: 18 Apr 2020 6:26

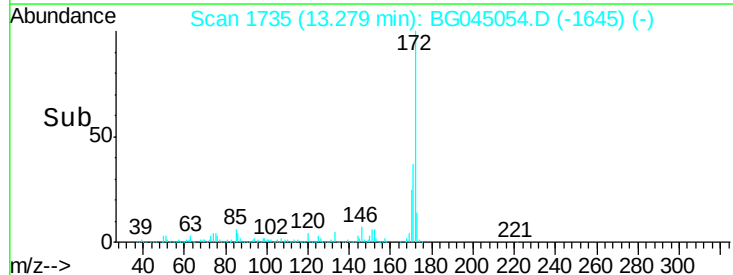
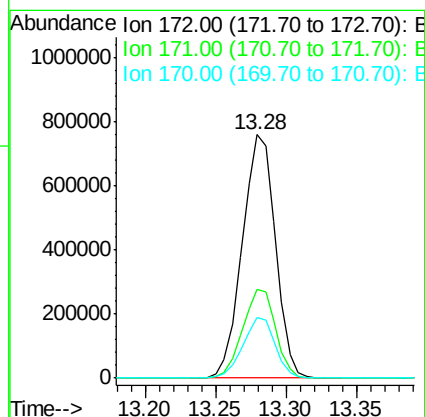
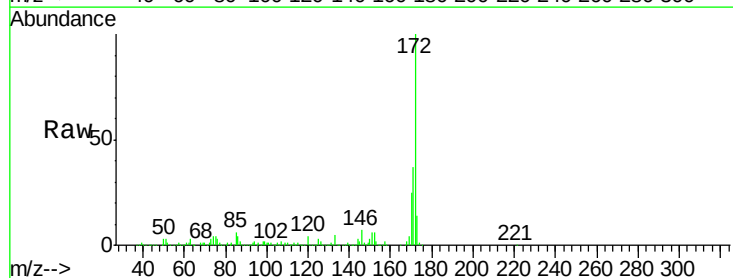
Instrument :
 BNA_G
 ClientSampleId :
 TP-10

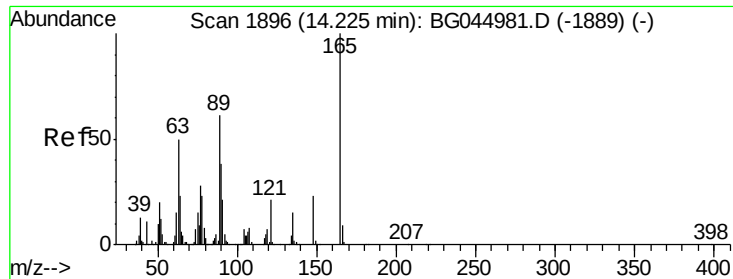
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	35.2	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 98.126 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045054.D
 Acq: 18 Apr 2020 6:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.6	46.0
170	24.7	20.5	30.7

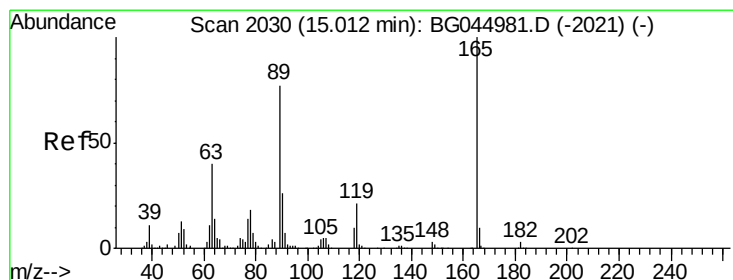
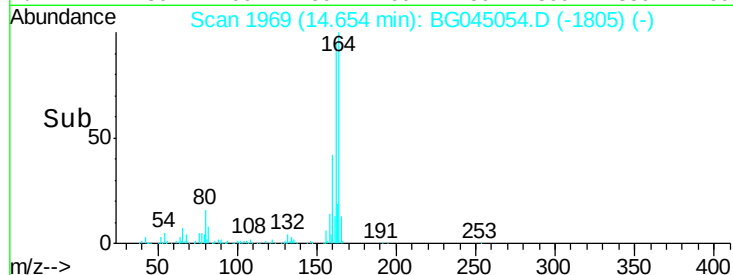
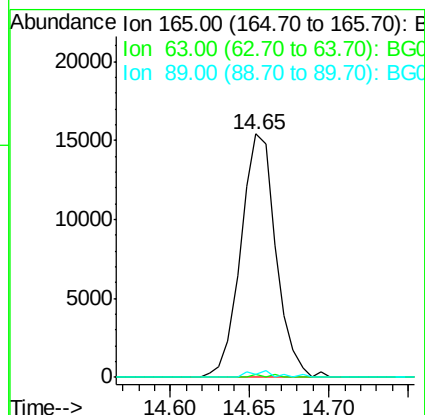
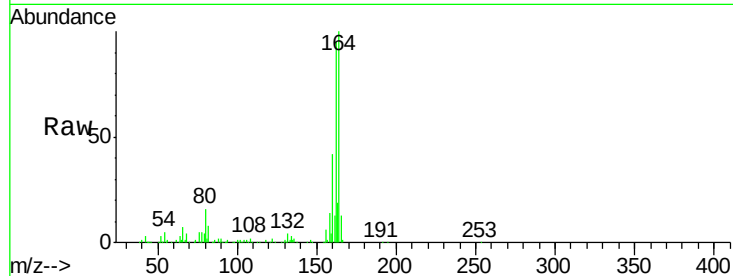




#51
2,6-Dinitrotoluene
Concen: 6.945 ng
RT: 14.65 min Scan# 1969
Delta R.T. 0.43 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

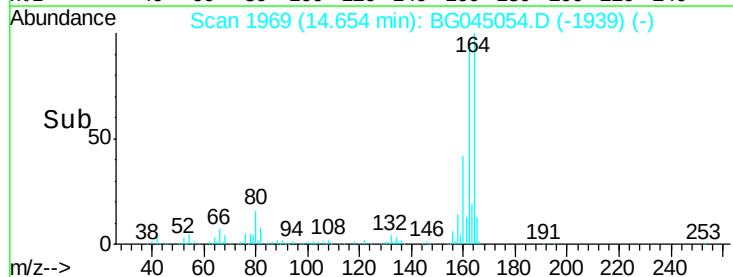
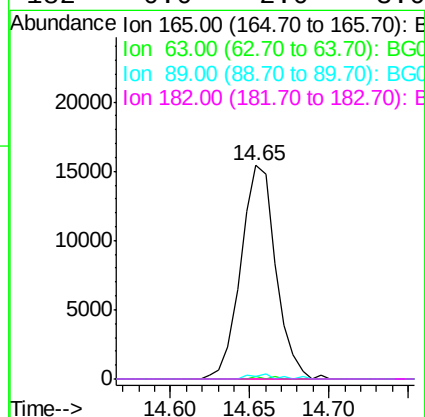
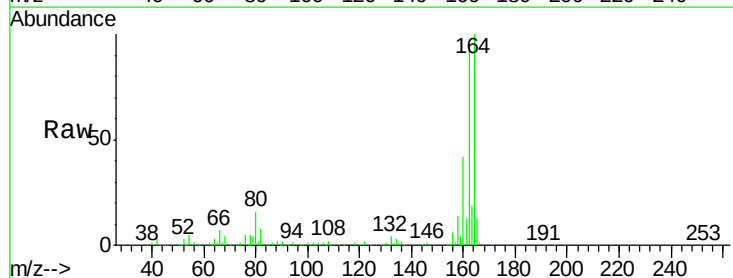
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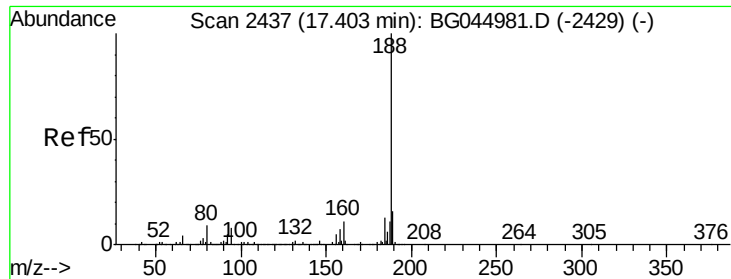
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.4	60.6#
89	1.3	49.1	73.7#



#57
2,4-Dinitrotoluene
Concen: 4.752 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.36 min
Lab File: BG045054.D
Acq: 18 Apr 2020 6:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.2	48.2#
89	1.3	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: BG045054.D

Acq: 18 Apr 2020 6:26

Instrument :

BNA_G

ClientSampleId :

TP-10

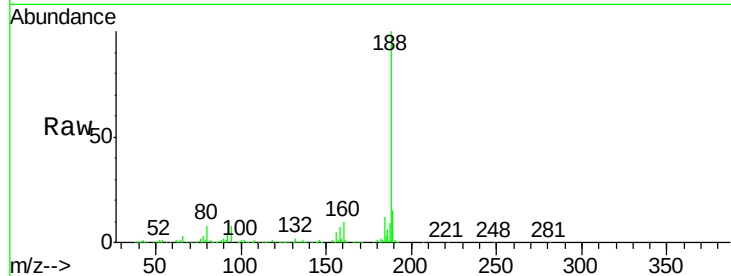
Tot Ion:188 Resp: 467289

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.4

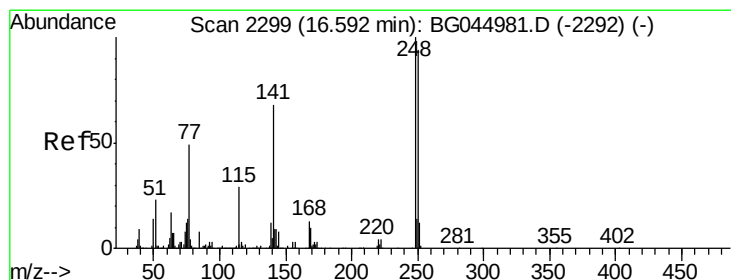
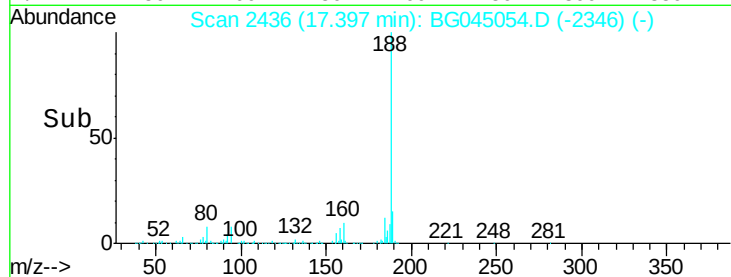
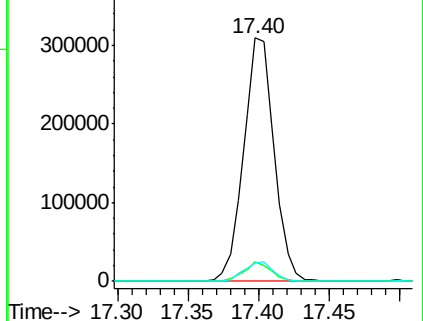
80 7.7 7.0 10.6



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: 4.969 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

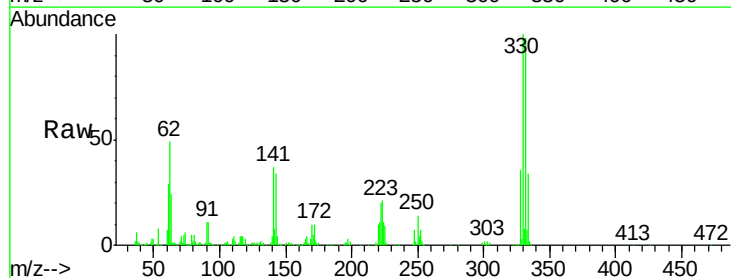
Tgt Ion:248 Resp: 29956

Ion Ratio Lower Upper

248 100

250 198.8 75.4 113.2#

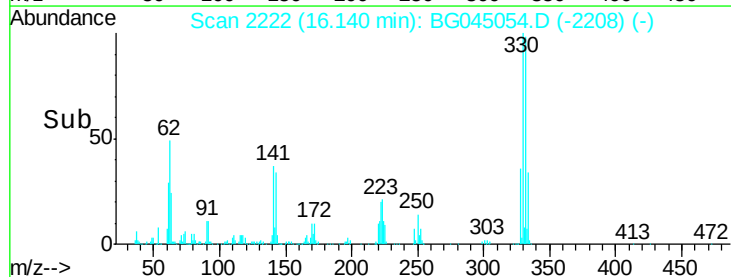
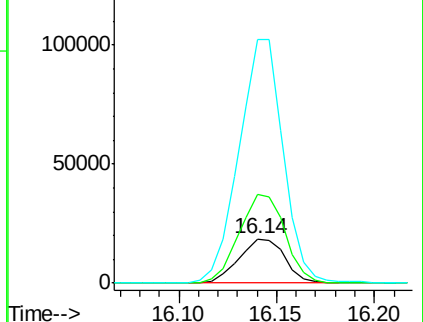
141 547.7 54.4 81.6#

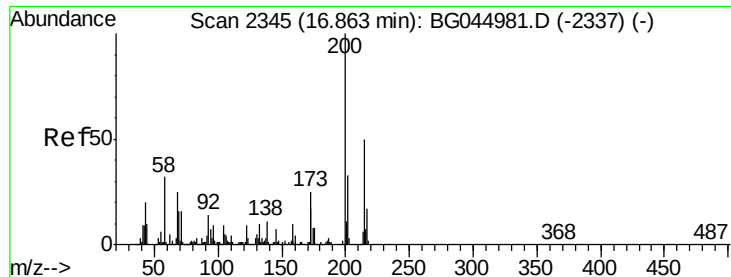


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.44 min Scan# 2273

Delta R.T. -0.42 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

Instrument :

BNA_G

ClientSampleId :

TP-10

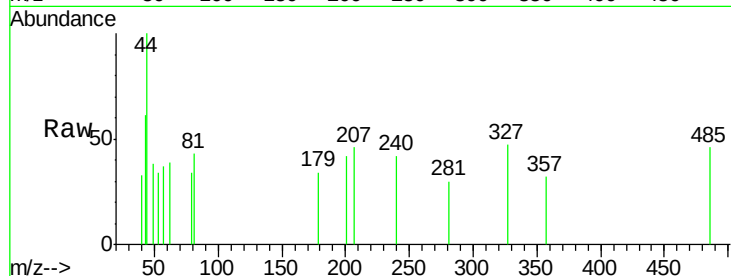
Tot Ion:200 Resp: 74

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

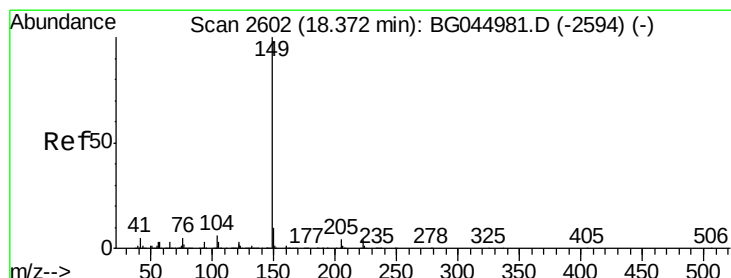
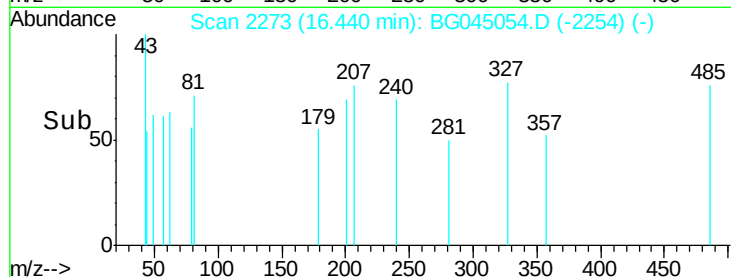
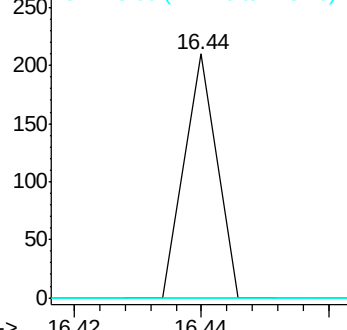
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

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: BG045054.D

Acq: 18 Apr 2020 6:26

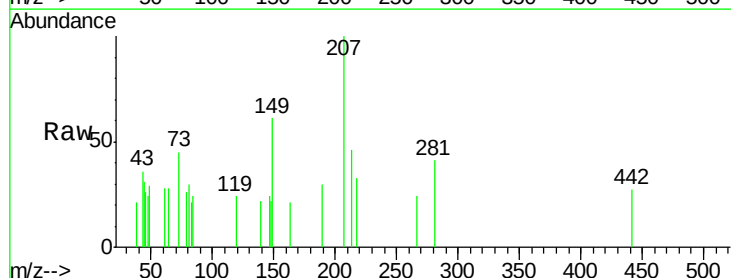
Tgt Ion:149 Resp: 754

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

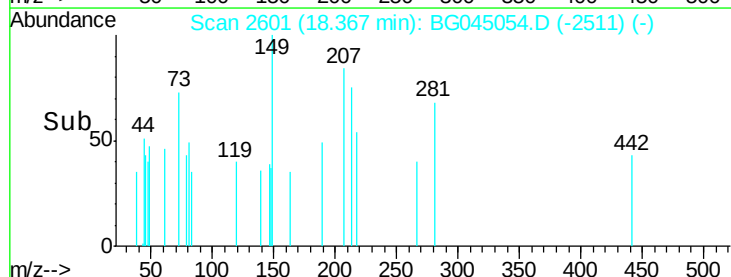
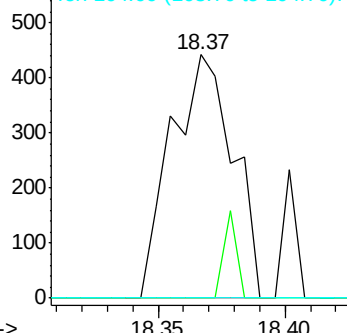
104 0.0 4.8 7.2#

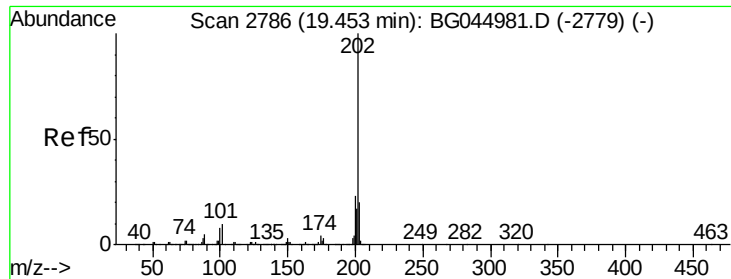


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

Instrument :

BNA_G

ClientSampled :

TP-10

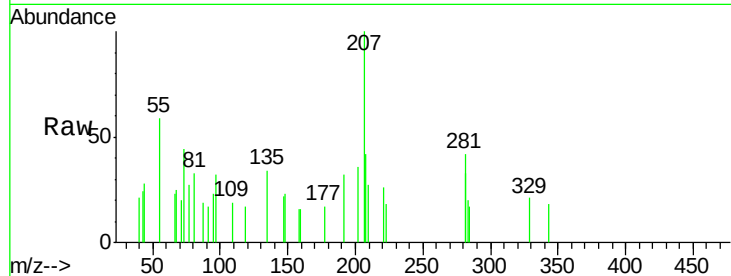
Tot Ion:202 Resp: 440

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

203 0.0 0.0 39.7

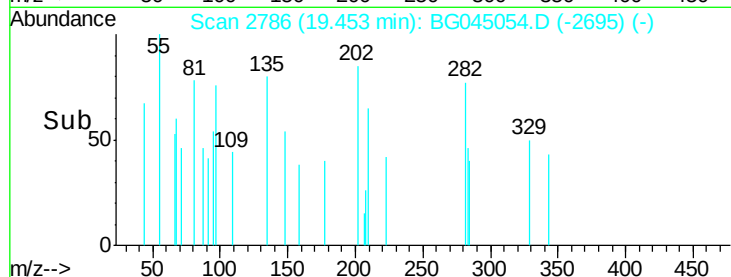


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

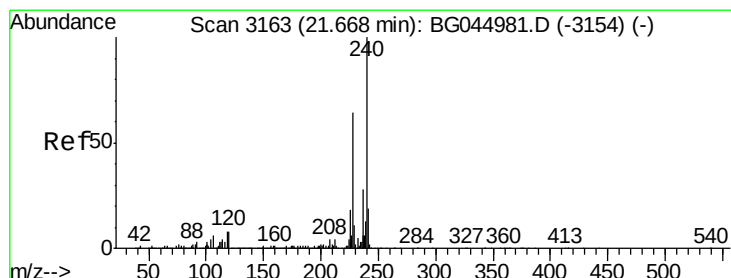
Ion 203.00 (202.70 to 203.70): E

Time-->



Abundance

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

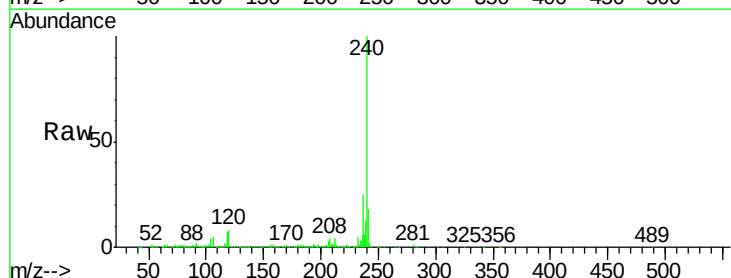
Tgt Ion:240 Resp: 453973

Ion Ratio Lower Upper

240 100

120 7.6 6.6 10.0

236 25.2 22.2 33.2

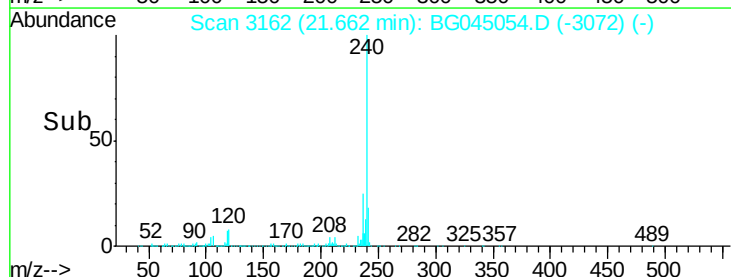


Abundance Ion 240.00 (239.70 to 240.70): E

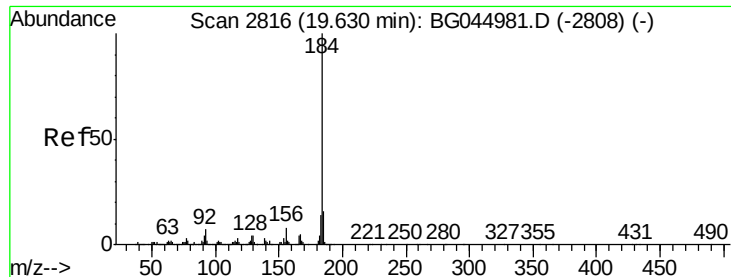
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

Instrument :

BNA_G

ClientSampleId :

TP-10

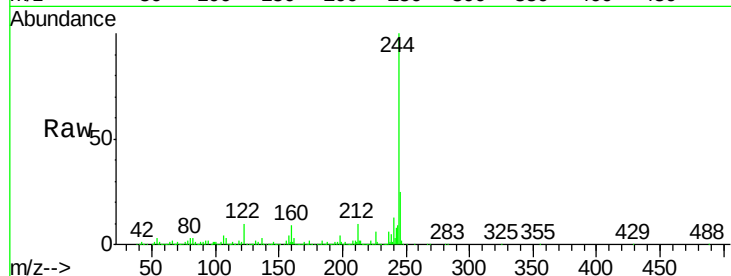
Tot Ion:184 Resp: 42832

Ion Ratio Lower Upper

184 100

185 17.4 12.6 19.0

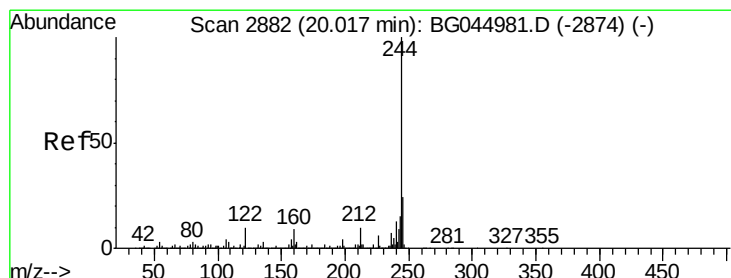
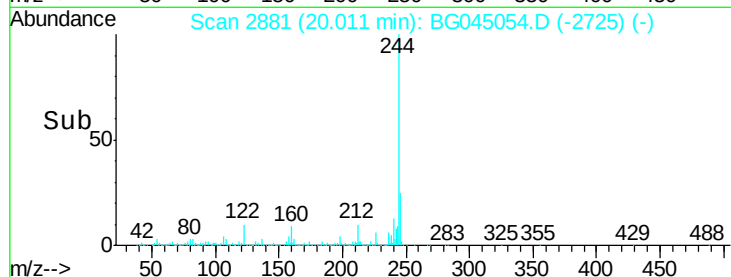
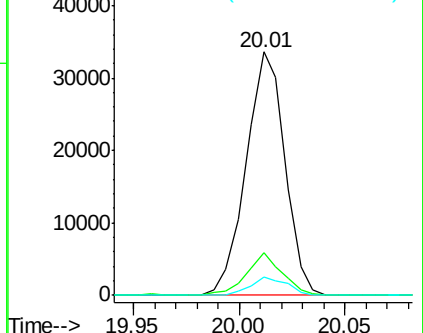
183 7.4 11.3 16.9#



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: 104.931 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045054.D

Acq: 18 Apr 2020 6:26

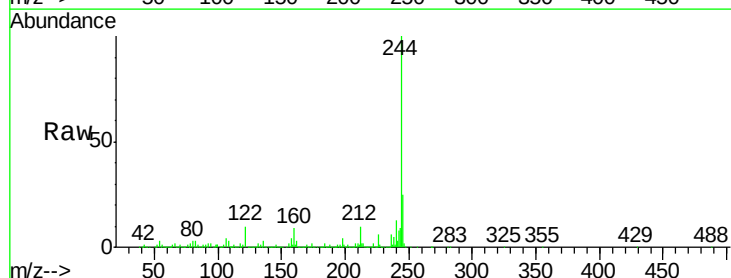
Tgt Ion:244 Resp: 2185558

Ion Ratio Lower Upper

244 100

212 10.1 7.9 11.9

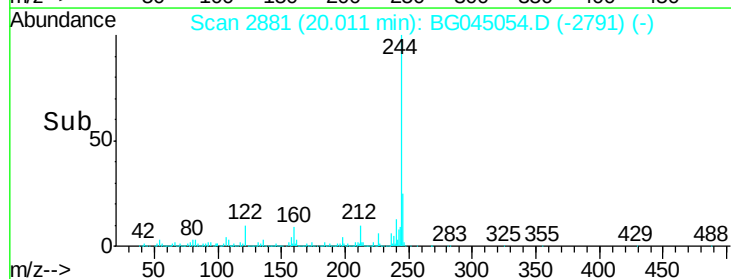
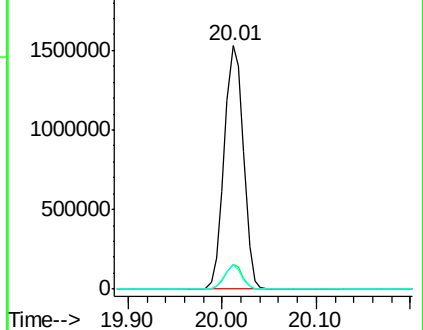
122 10.0 7.7 11.5

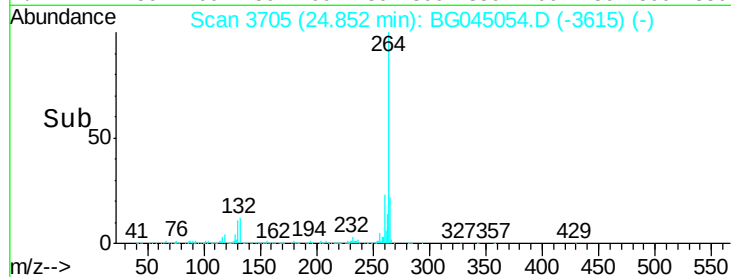
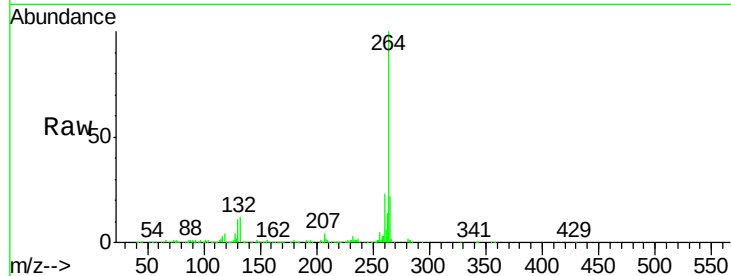
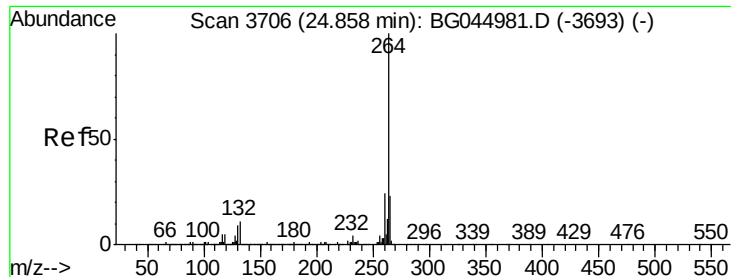


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG045054.D

Acq: 18 Apr 2020 6:26

Instrument :

BNA_G

ClientSampleId :

TP-10

Tot Ion:264 Resp: 448102

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.8 19.0 28.4

