

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045023.D
 Acq On : 17 Apr 2020 2:08
 Operator : CG/JU
 Sample : L2284-18 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-16-B-SA

Quant Time: Apr 17 04:42:24 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

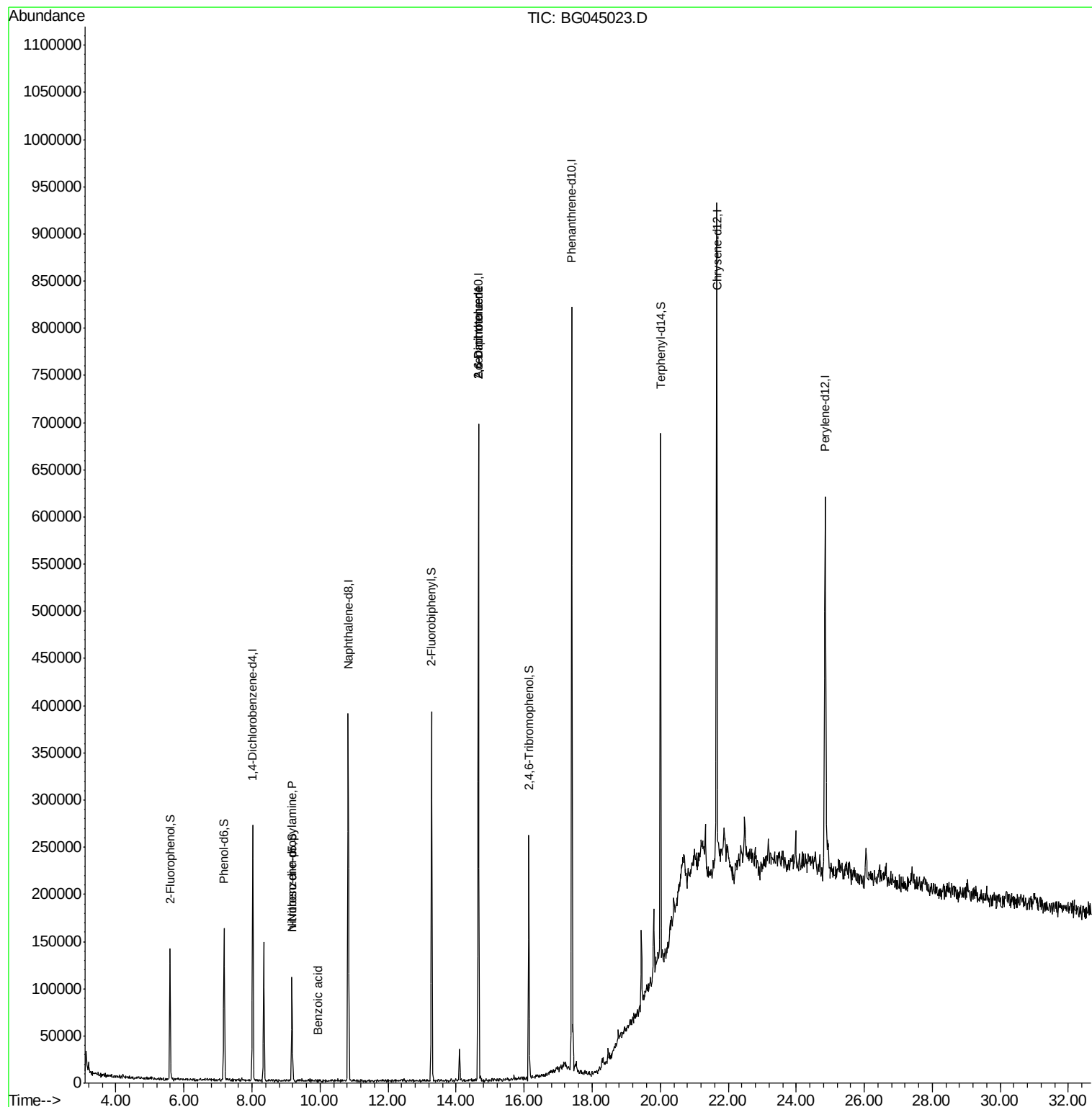
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	77940	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	350917	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	259964	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	527075	20.00	ng	0.00
76) Chrysene-d12	21.66	240	417816	20.00	ng	0.00
87) Perylene-d12	24.85	264	452570	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	67461	14.29	ng	0.00
7) Phenol-d6	7.18	99	112261	16.00	ng	0.00
23) Nitrobenzene-d5	9.17	82	74694	9.71	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	56195	13.99	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	212101	11.96	ng	0.00
79) Terphenyl-d14	20.01	244	287637	15.00	ng	0.00
Target Compounds						
9) Benzaldehyde	7.16	77	129	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	10112	2.039 ng	#	73
32) Benzoic acid	9.93	122	110	6.396 ng	#	46
51) 2,6-Dinitrotoluene	14.65	165	34666	7.322 ng	#	25
57) 2,4-Dinitrotoluene	14.65	165	34666	5.010 ng	#	22
69) Atrazine	16.84	200	71	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	875	Below Cal	#	76
75) Fluoranthene	19.45	202	49278	Below Cal	#	98
77) Benzidine	19.62	184	690	Below Cal	#	13

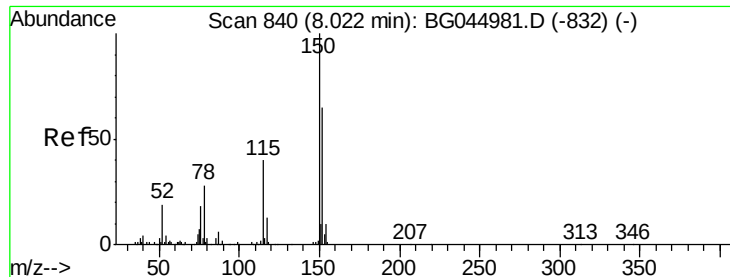
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
Data File : BG045023.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

Quant Time: Apr 17 04:42:24 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
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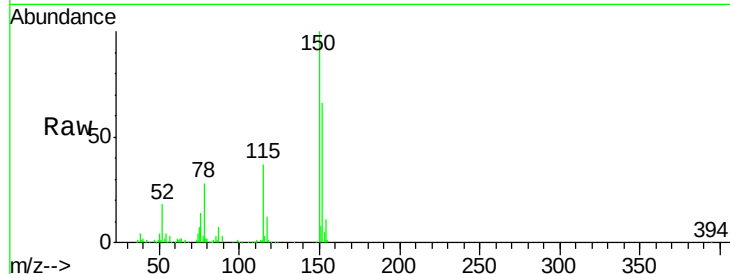


#1

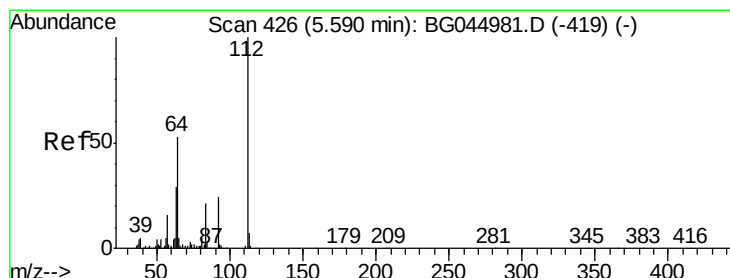
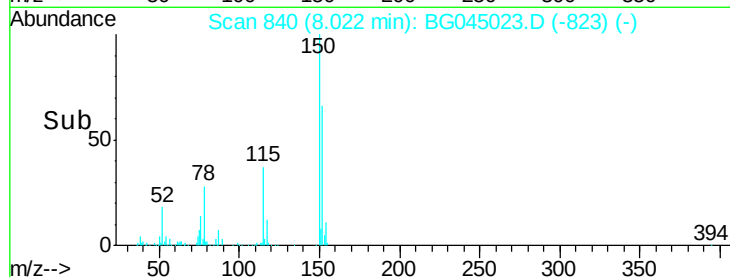
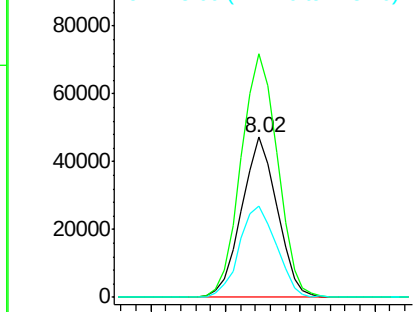
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

Tot Ion:152 Resp: 77940
Ion Ratio Lower Upper
152 100
150 152.0 123.6 185.4
115 56.7 49.1 73.7



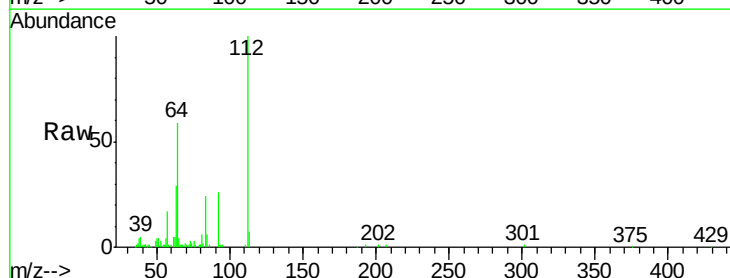
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



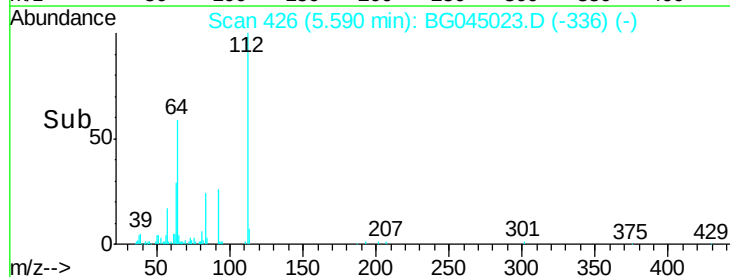
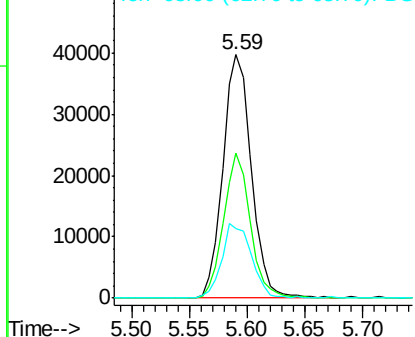
#5

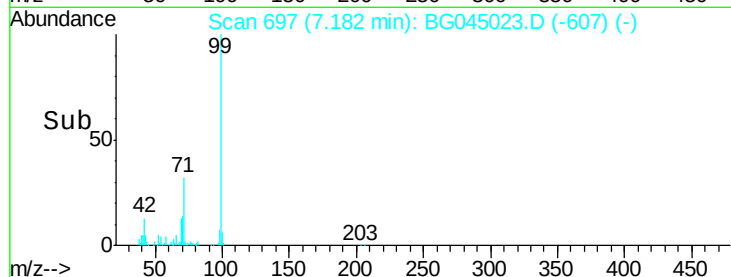
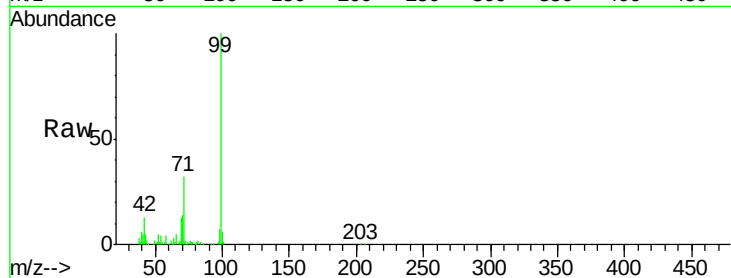
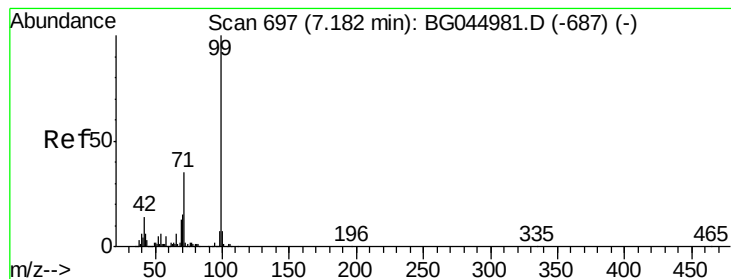
2-Fluorophenol
Concen: 14.290 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

Tgt Ion:112 Resp: 67461
Ion Ratio Lower Upper
112 100
64 59.5 42.4 63.6
63 28.8 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: 16.005 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

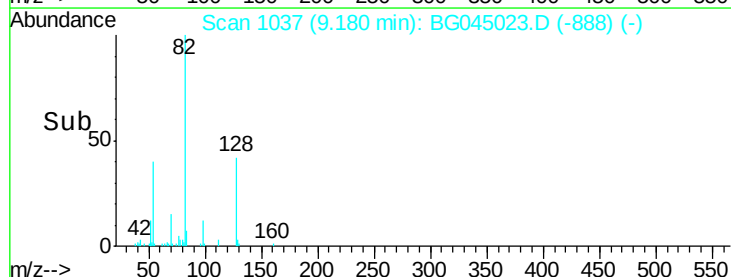
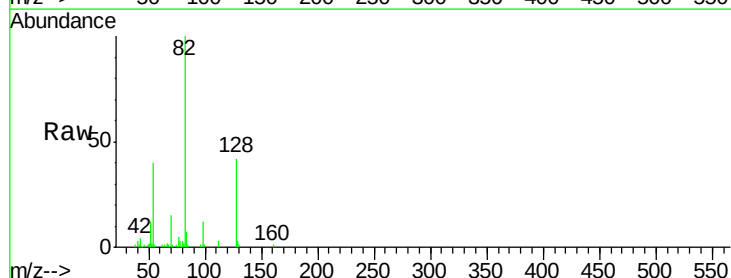
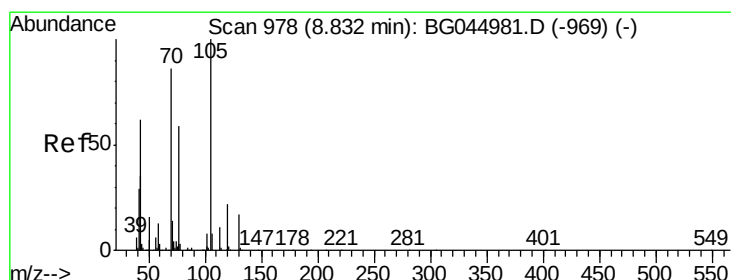
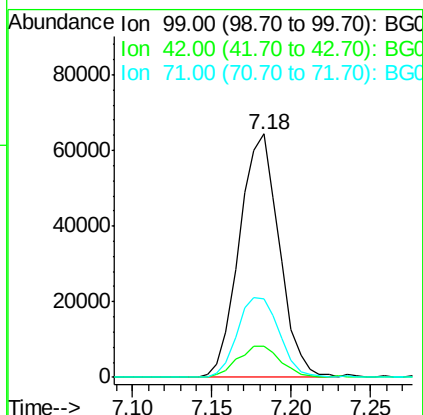
Tot Ion: 99 Resp: 112261

Ion Ratio Lower Upper

99 100

42 13.0 11.3 16.9

71 32.2 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.039 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Tgt Ion: 70 Resp: 10112

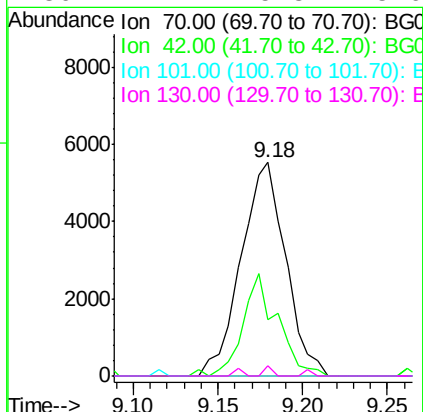
Ion Ratio Lower Upper

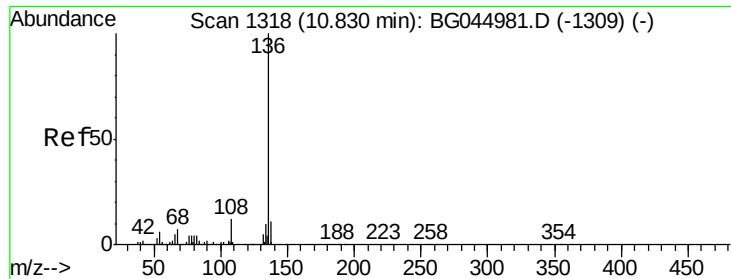
70 100

42 26.5 33.3 49.9#

101 0.0 7.8 11.8#

130 4.7 15.8 23.6#

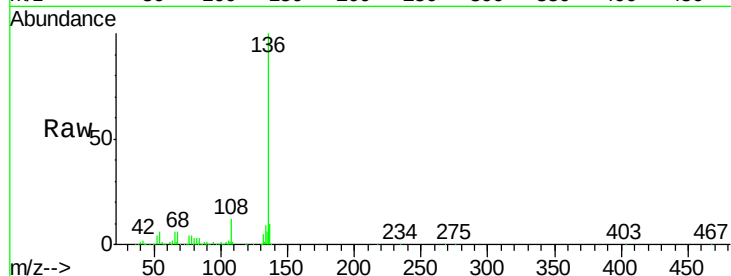




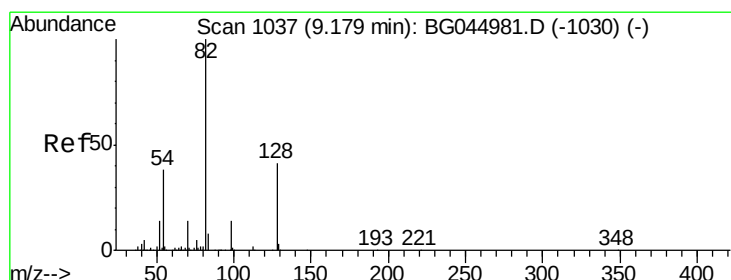
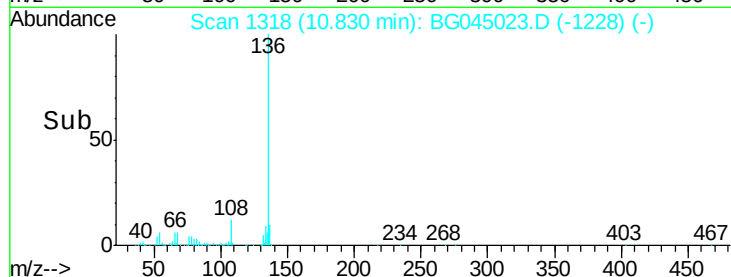
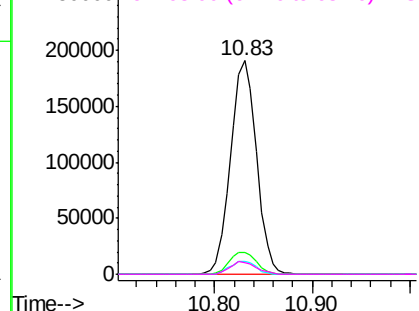
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

Tot Ion:136	Resp:	350917
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.6 13.0
54	6.3	4.8 7.2
68	5.7	5.2 7.8

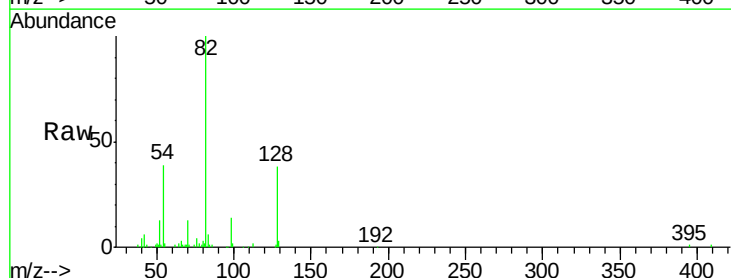


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

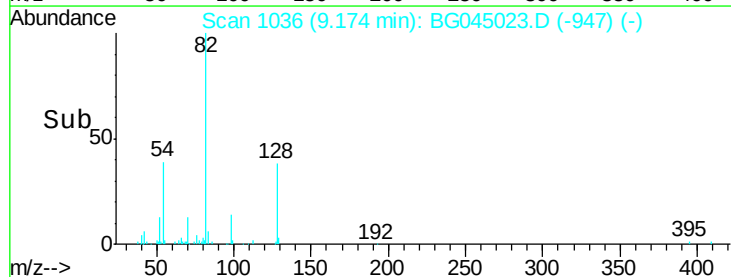
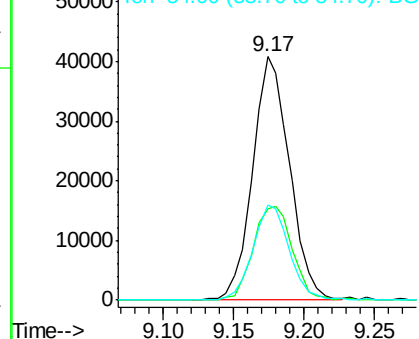


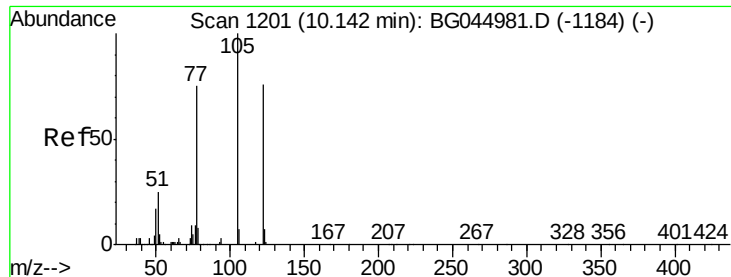
#23
Nitrobenzene-d5
Concen: 9.712 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

Tgt Ion: 82	Resp:	74694
Ion Ratio	Lower	Upper
82	100	
128	37.8	33.0 49.4
54	39.1	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

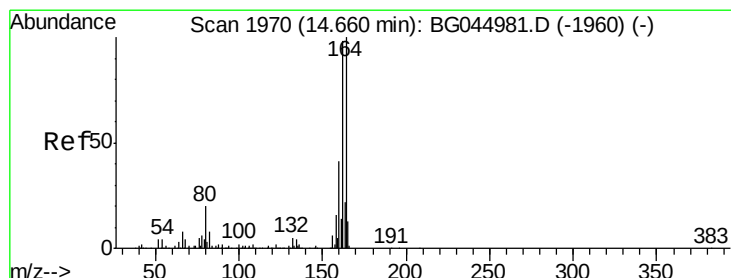
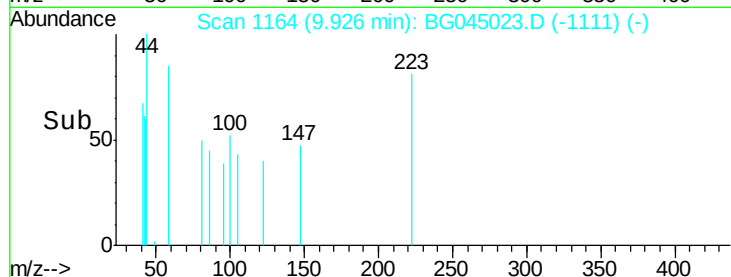
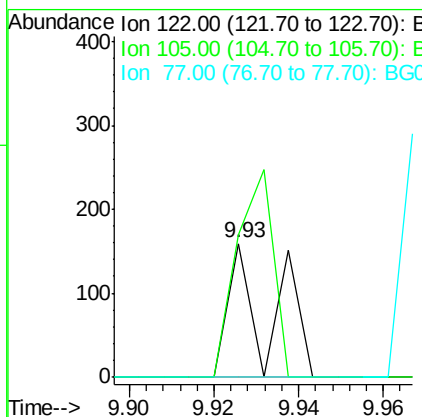
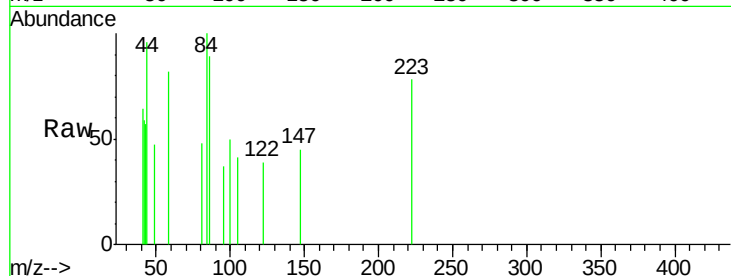




#32
Benzoic acid
Concen: 6.396 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.22 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

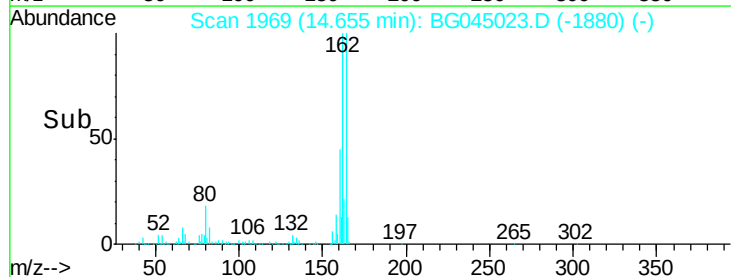
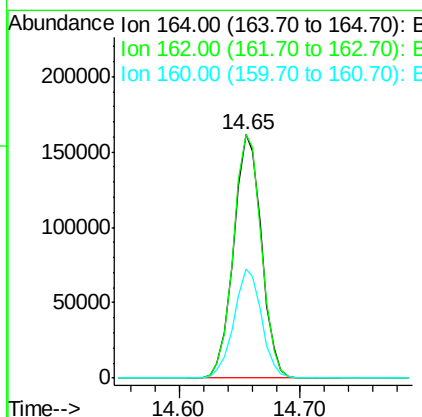
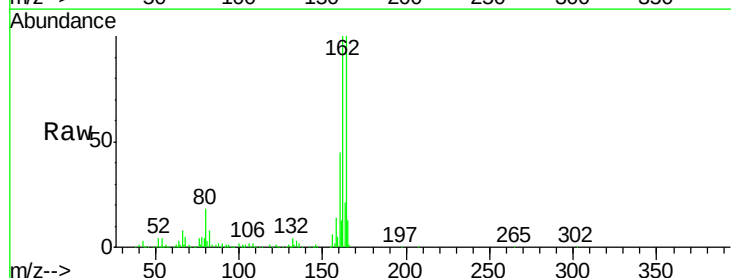
Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

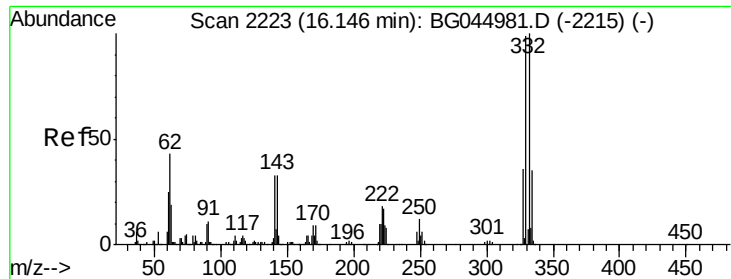
Tot Ion:122 Resp: 110
Ion Ratio Lower Upper
122 100
105 106.3 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

Tgt Ion:164 Resp: 259964
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 44.9 32.8 49.2

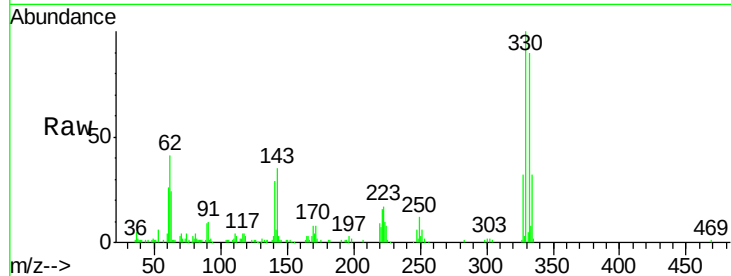




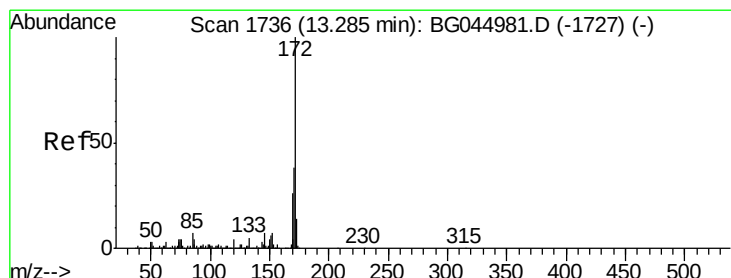
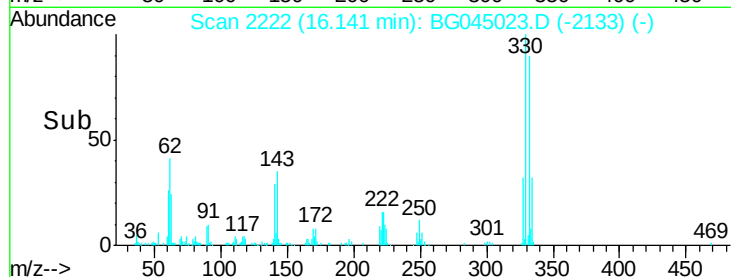
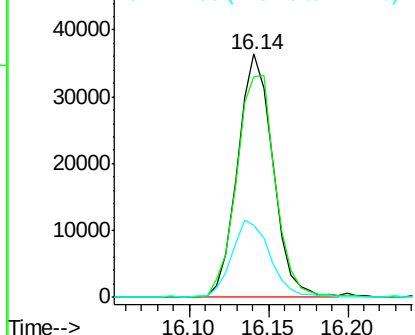
#42
 2,4,6-Tribromophenol
 Concen: 13.992 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG045023.D
 Acq: 17 Apr 2020 2:08

Instrument :
 BNA_G
 ClientSampleId :
 TP-16-B-SA

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	79.1	118.7
141	34.6	27.1	40.7

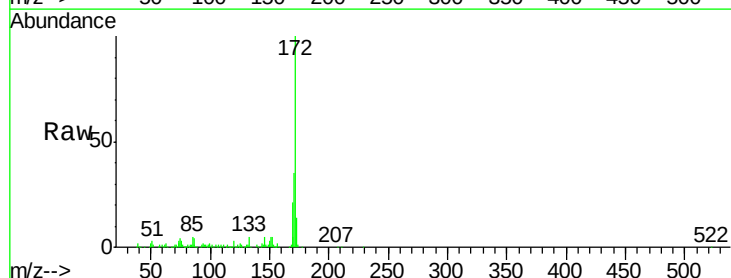


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

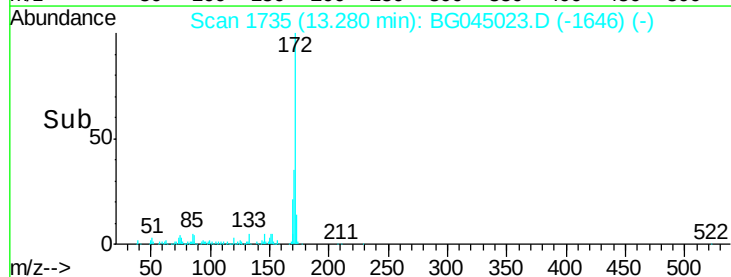
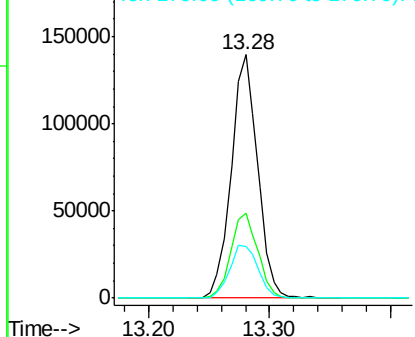


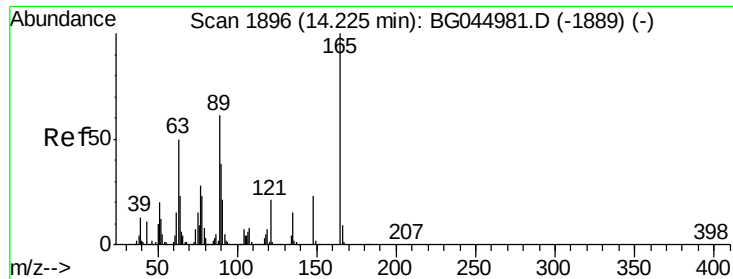
#45
 2-Fluorobiphenyl
 Concen: 11.963 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045023.D
 Acq: 17 Apr 2020 2:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.6	46.0
170	21.0	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: 7.322 ng

RT: 14.65 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Instrument :

BNA_G

ClientSampled :

TP-16-B-SA

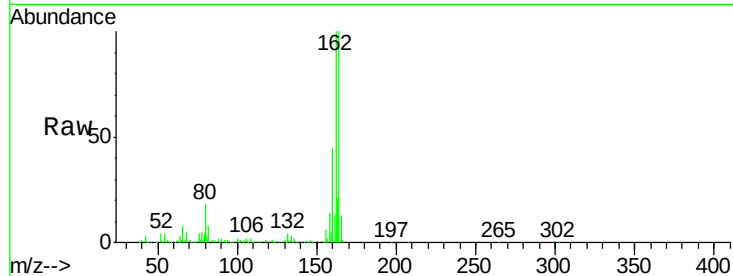
Tot Ion:165 Resp: 34666

Ion Ratio Lower Upper

165 100

63 1.3 40.4 60.6#

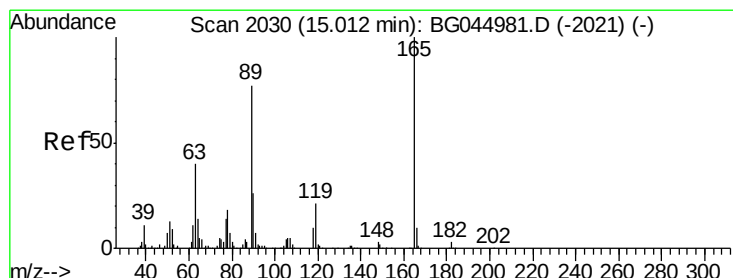
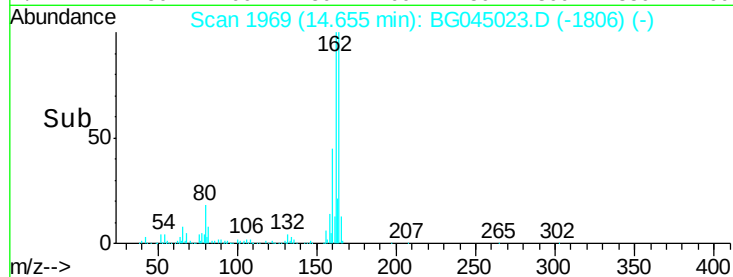
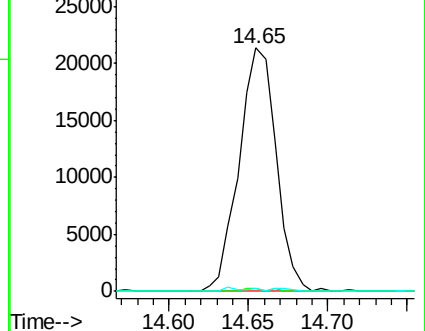
89 1.1 49.1 73.7#



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: 5.010 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Tgt Ion:165 Resp: 34666

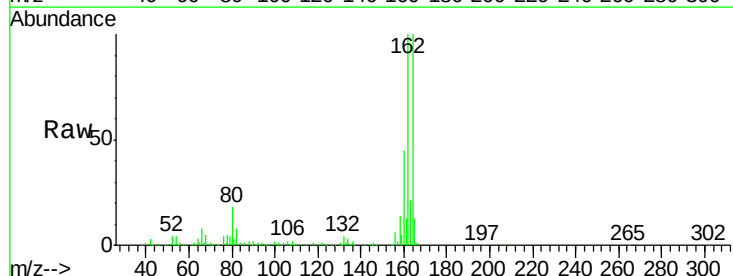
Ion Ratio Lower Upper

165 100

63 1.3 32.2 48.2#

89 1.1 61.7 92.5#

182 0.0 2.0 3.0#

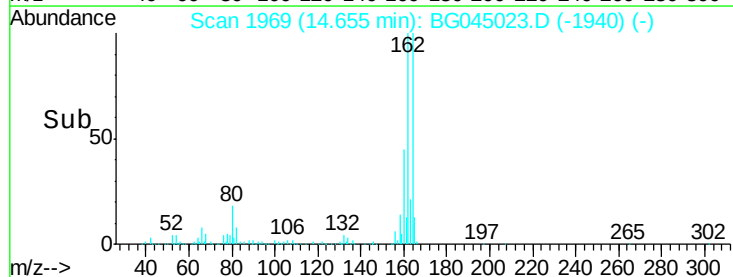
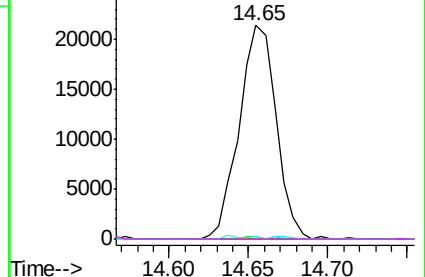


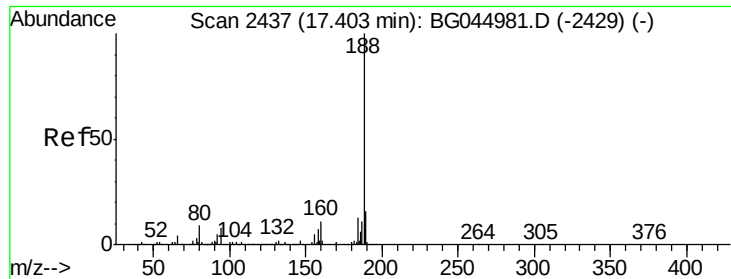
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

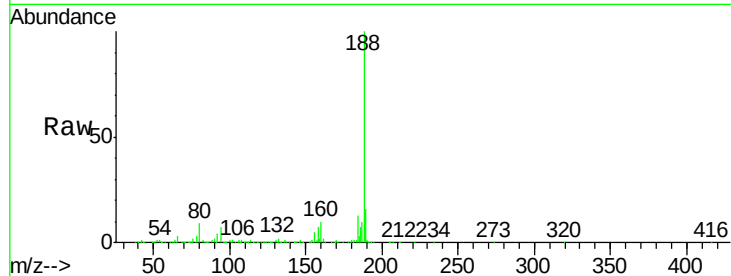
Tot Ion:188 Resp: 527075

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

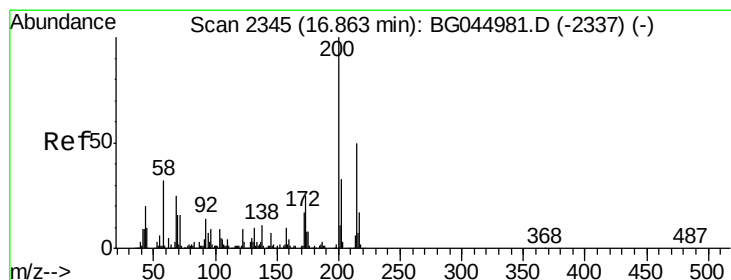
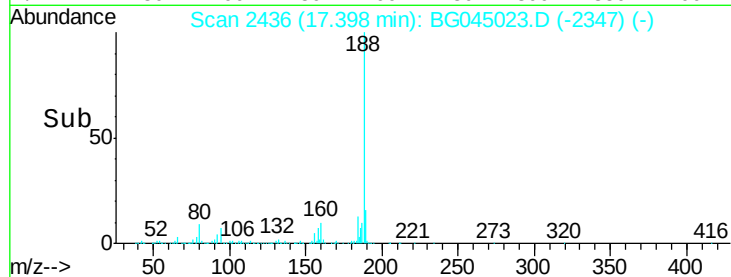
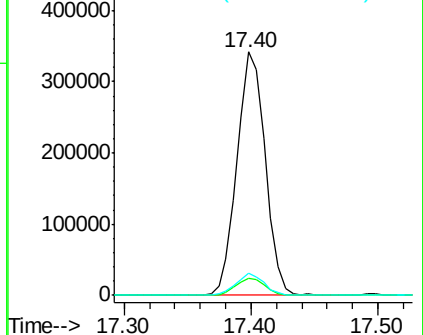
80 9.0 7.0 10.6



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



#69

Atrazine

Concen: Below Cal

RT: 16.84 min Scan# 2341

Delta R.T. -0.02 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

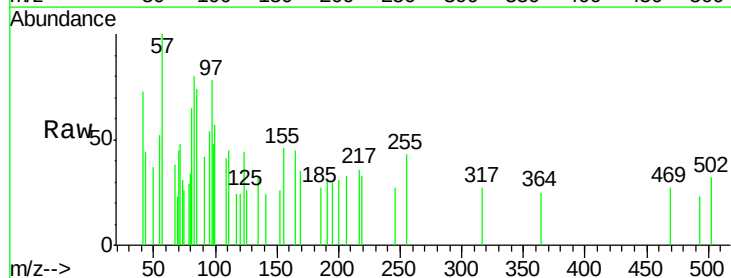
Tgt Ion:200 Resp: 71

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

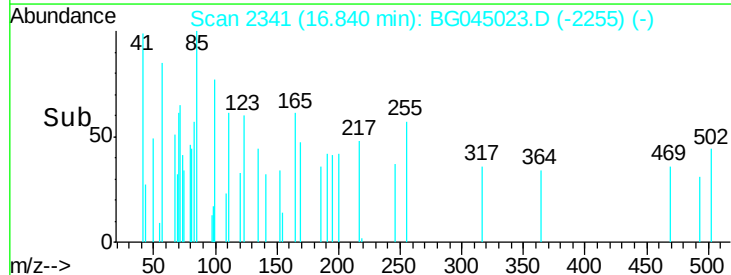
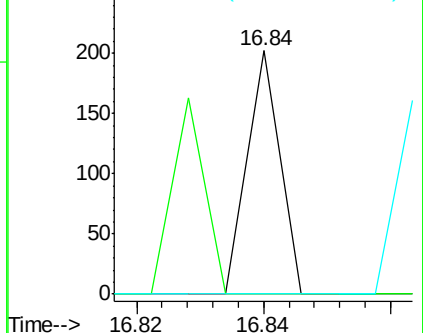
215 0.0 30.0 70.0#

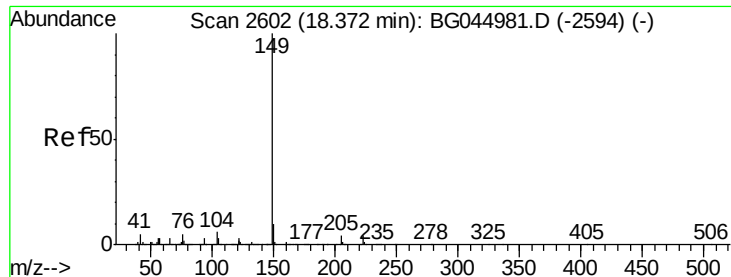


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

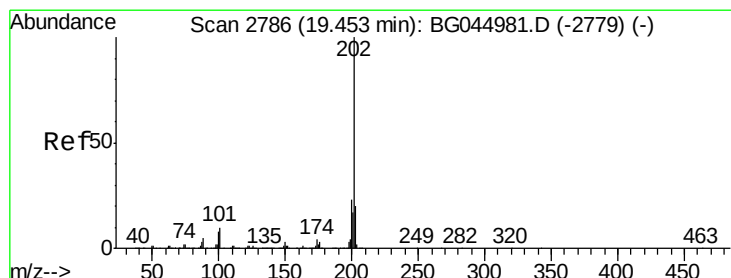
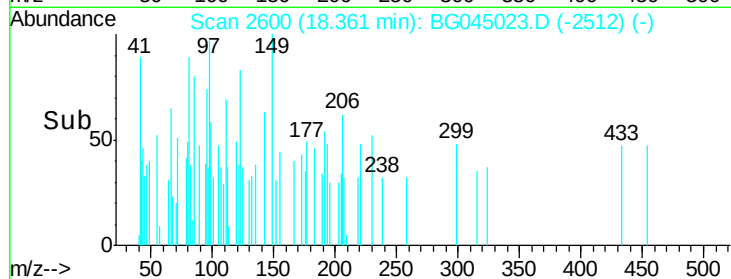
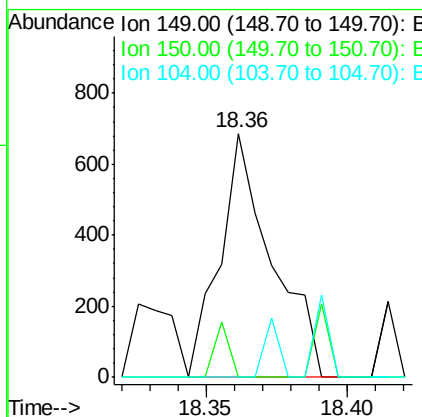
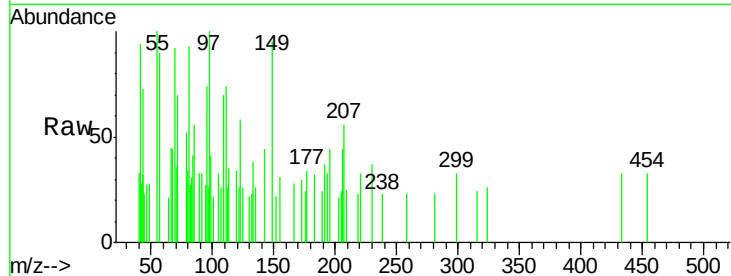




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

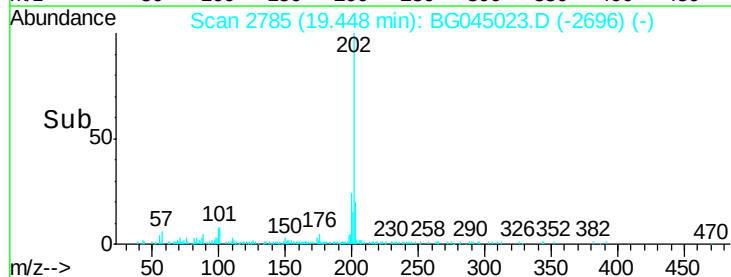
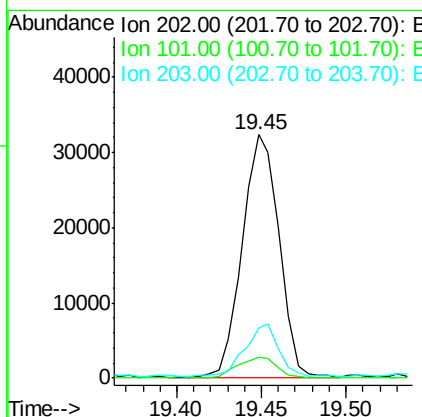
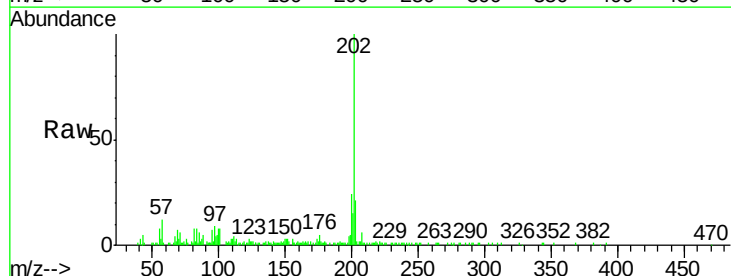
Instrument :
BNA_G
ClientSampled :
TP-16-B-SA

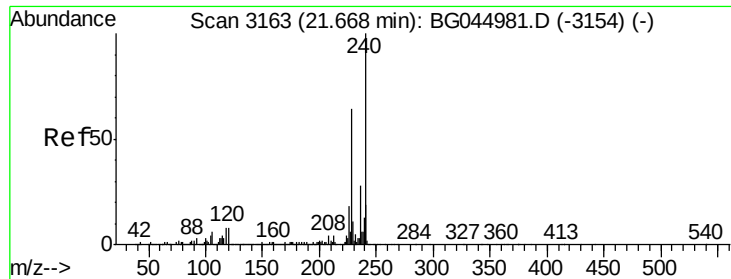
Tot Ion:149 Resp: 875
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BG045023.D
Acq: 17 Apr 2020 2:08

Tgt Ion:202 Resp: 49278
Ion Ratio Lower Upper
202 100
101 8.3 0.0 29.6
203 20.5 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

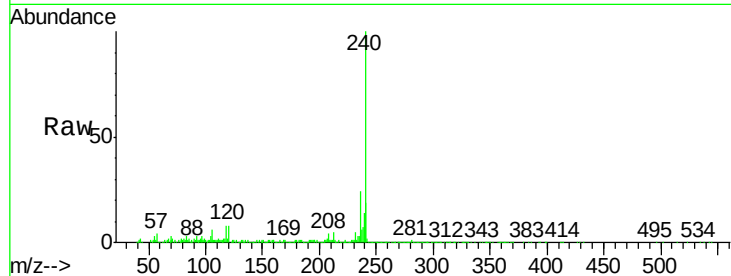
Tot Ion:240 Resp: 417816

Ion Ratio Lower Upper

240 100

120 7.8 6.6 10.0

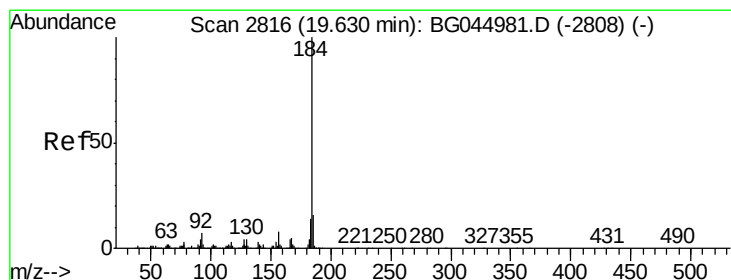
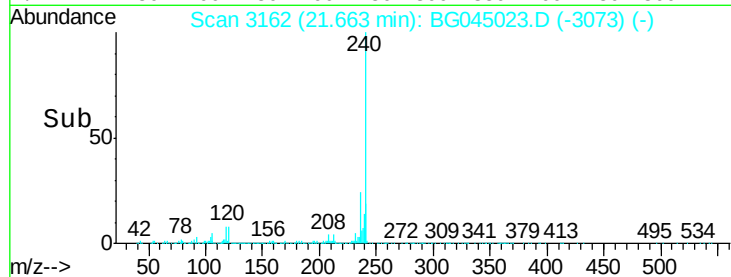
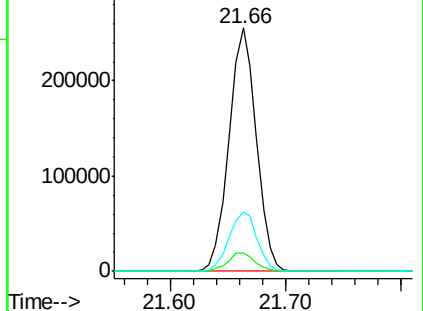
236 24.2 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 19.62 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

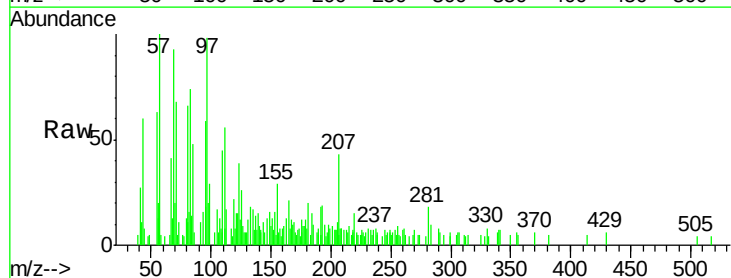
Tgt Ion:184 Resp: 690

Ion Ratio Lower Upper

184 100

185 65.1 12.6 19.0#

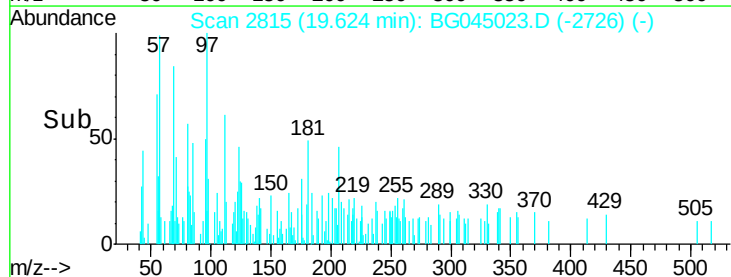
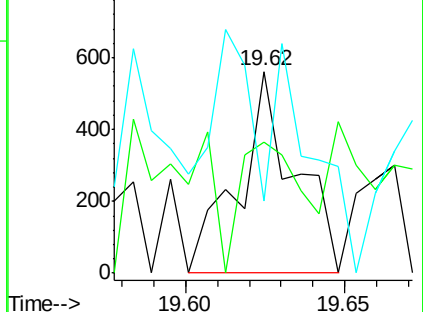
183 35.9 11.3 16.9#

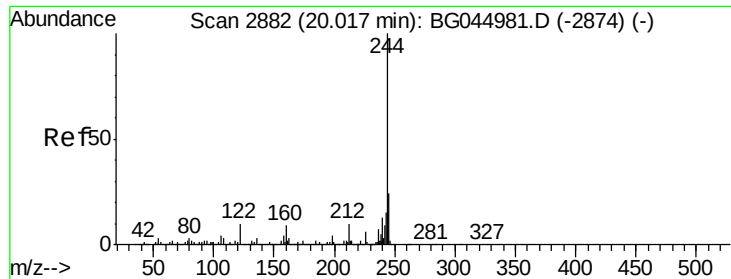


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 15.005 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

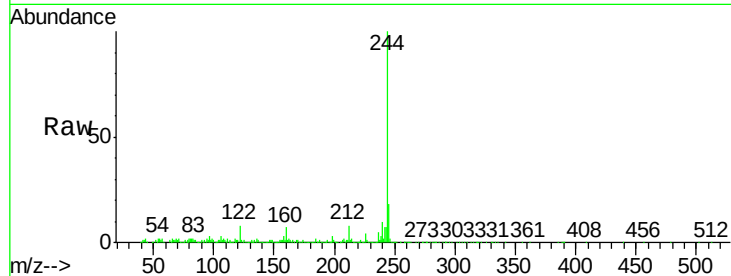
Tot Ion:244 Resp: 287637

Ion Ratio Lower Upper

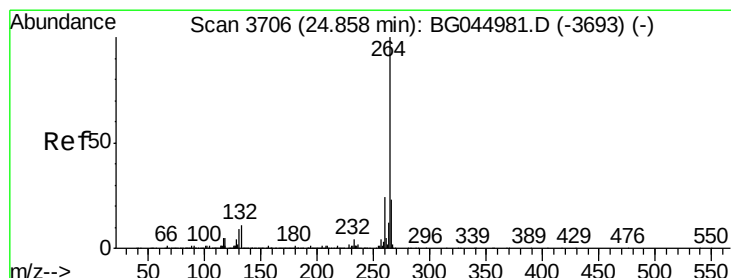
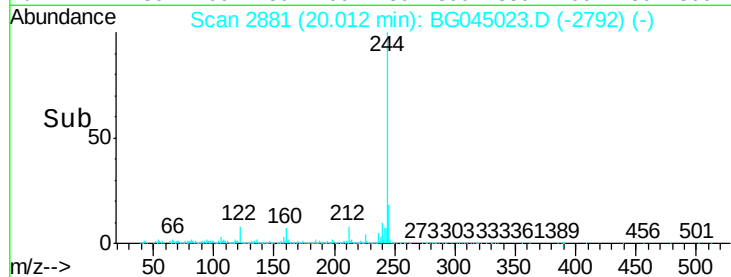
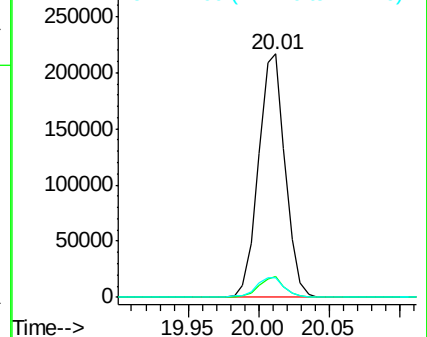
244 100

212 8.3 7.9 11.9

122 8.0 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

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG045023.D

Acq: 17 Apr 2020 2:08

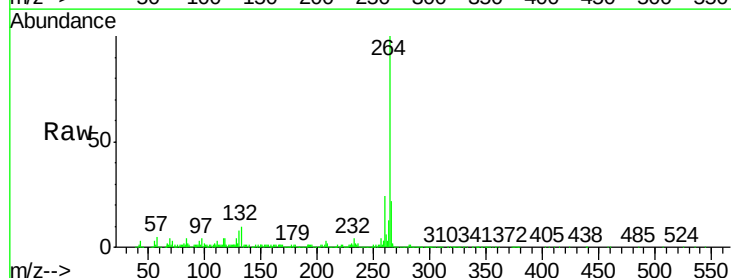
Tgt Ion:264 Resp: 452570

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.6 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

