

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042320\
 Data File : BG045143.D
 Acq On : 23 Apr 2020 15:51
 Operator : CG/JU
 Sample : L2359-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1B-S

Quant Time: Apr 23 16:27:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 15:21:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	73809	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	314134	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	223966	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	498007	20.00	ng	0.00
76) Chrysene-d12	21.65	240	436678	20.00	ng	0.00
87) Perylene-d12	24.83	264	475658	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	472209	105.62	ng	0.00
7) Phenol-d6	7.17	99	739561	111.34	ng	0.00
23) Nitrobenzene-d5	9.16	82	514168	74.68	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	400687	115.81	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1257326	82.32	ng	0.00
79) Terphenyl-d14	20.00	244	1834880	91.58	ng	0.00

Target Compounds

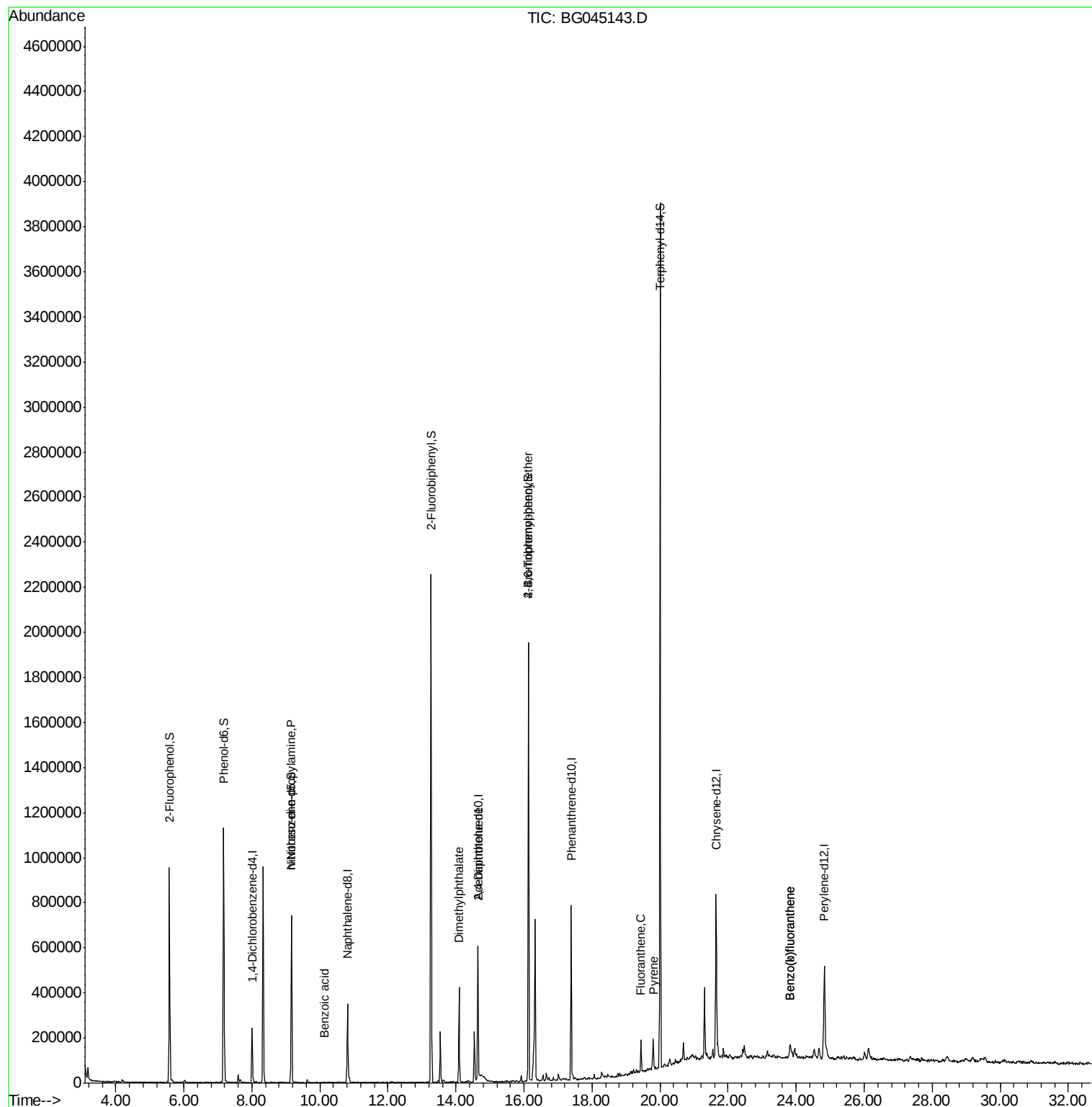
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	3302	Below Cal	#	58
19) n-Nitroso-di-n-propylamine	9.16	70	70430	14.993	ng	76
32) Benzoic acid	10.13	122	72	6.390	ng	32
50) Dimethylphthalate	14.09	163	273852	15.017	ng	97
57) 2,4-Dinitrotoluene	14.64	165	30162	5.060	ng	28
67) 4-Bromophenyl-phenylether	16.13	248	27909	4.344	ng	1
69) Atrazine	16.99	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	4078	Below Cal	#	91
75) Fluoranthene	19.44	202	91183	2.807	ng	98
77) Benzidine	20.00	184	36990	Below Cal	#	92
78) Pyrene	19.80	202	84251	2.799	ng	97
88) Benzo(b)fluoranthene	23.83	252	70064	2.352	ng	95
89) Benzo(k)fluoranthene	23.83	252	70064	2.473	ng	96

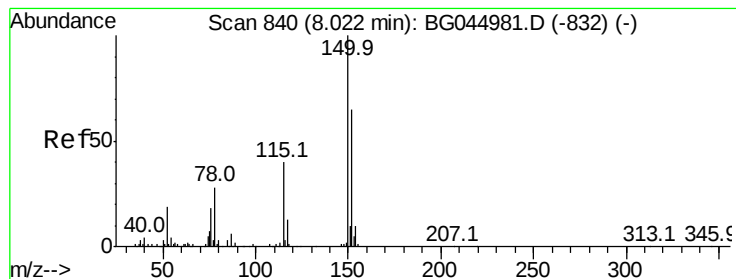
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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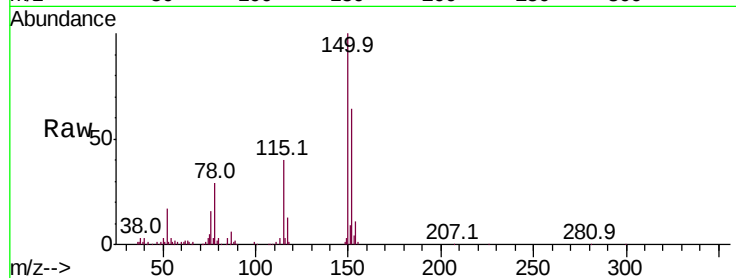


#1

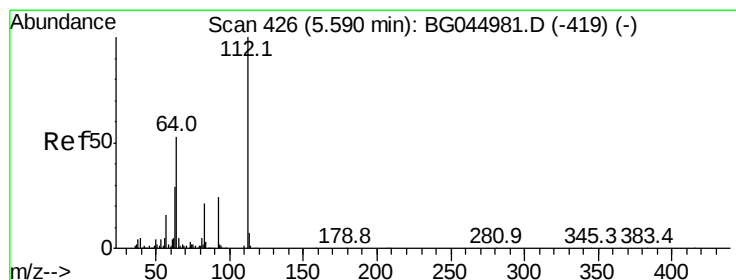
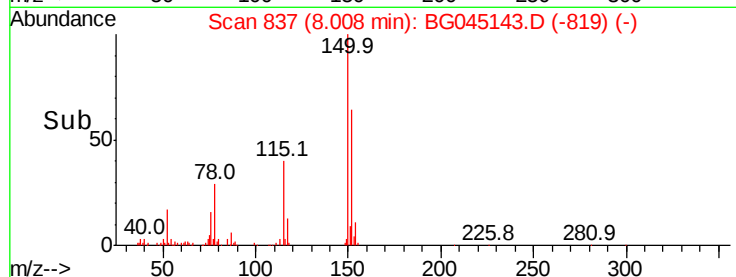
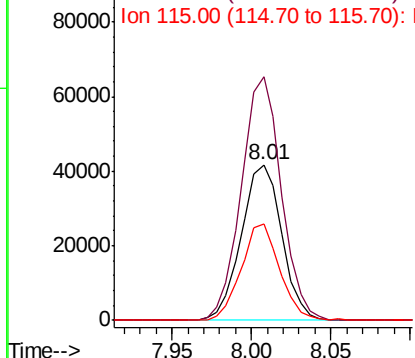
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG045143.D
Acq: 23 Apr 2020 15:51

Instrument :
BNA_G
ClientSampleId :
TP-1B-S

Tot Ion:152 Resp: 73809
Ion Ratio Lower Upper
152 100
150 156.8 123.6 185.4
115 62.1 49.1 73.7



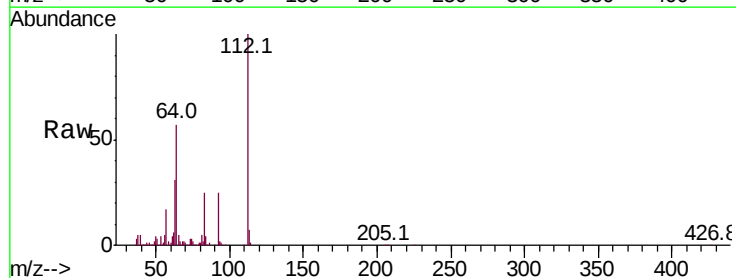
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



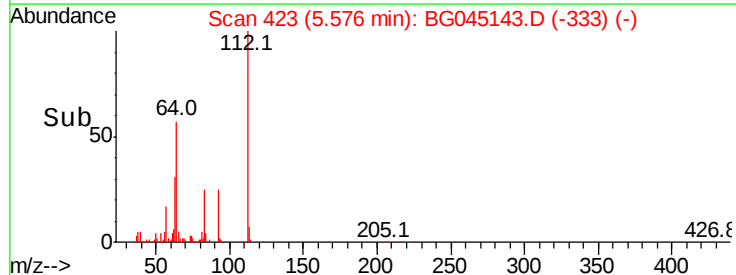
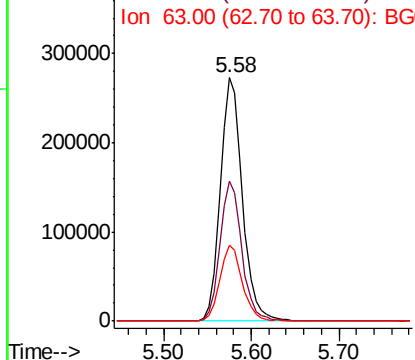
#5

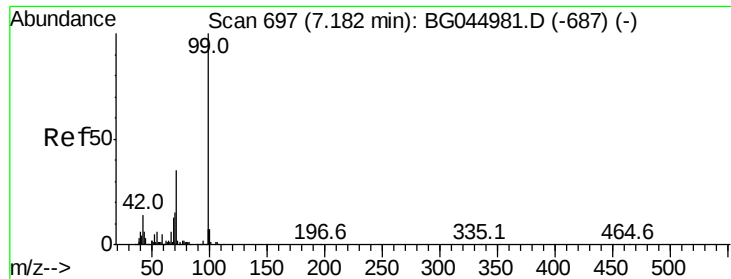
2-Fluorophenol
Concen: 105.623 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045143.D
Acq: 23 Apr 2020 15:51

Tgt Ion:112 Resp: 472209
Ion Ratio Lower Upper
112 100
64 57.5 42.4 63.6
63 31.4 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: 111.340 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampled :

TP-1B-S

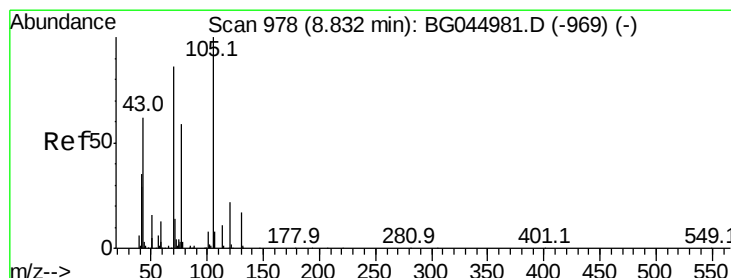
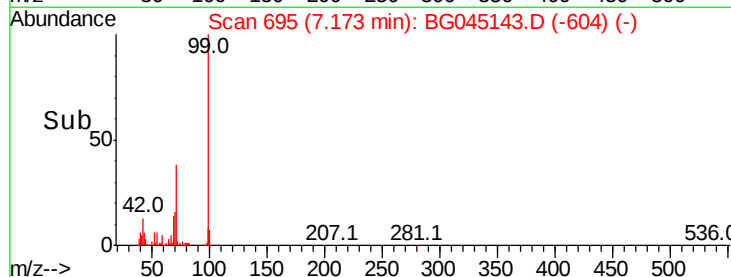
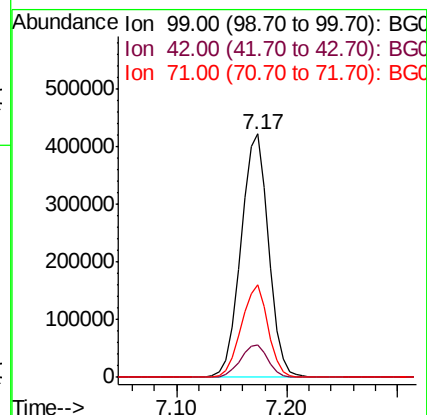
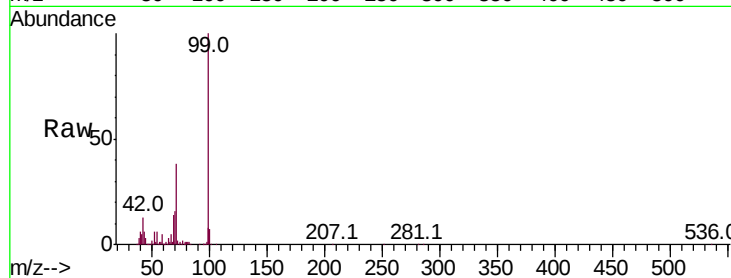
Tot Ion: 99 Resp: 739561

Ion Ratio Lower Upper

99 100

42 13.4 11.3 16.9

71 37.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 14.993 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Tgt Ion: 70 Resp: 70430

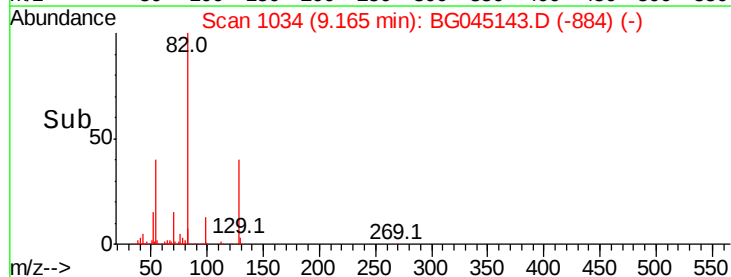
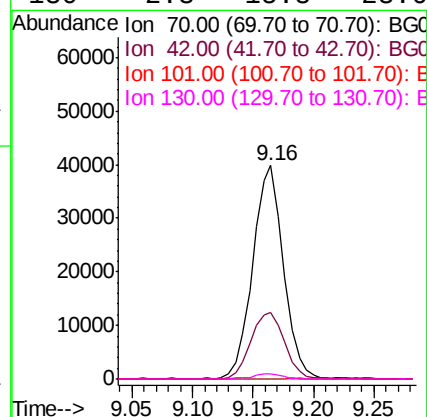
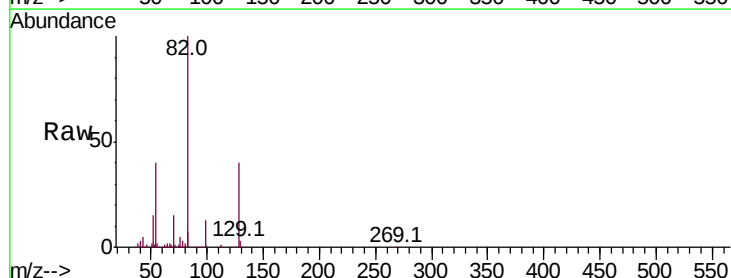
Ion Ratio Lower Upper

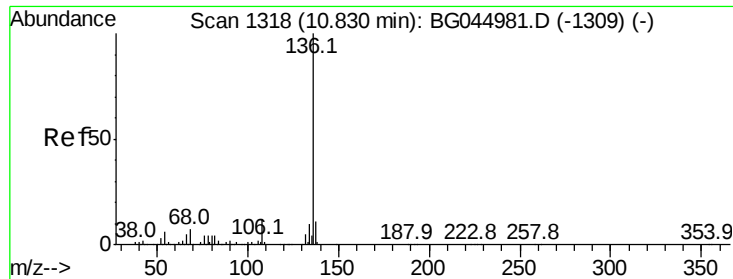
70 100

42 31.2 33.3 49.9#

101 0.0 7.8 11.8#

130 2.3 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

Tot Ion:136 Resp: 314134

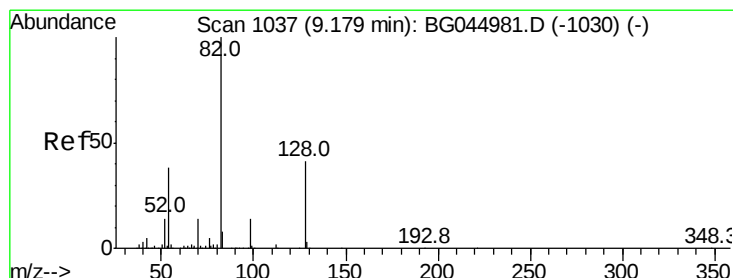
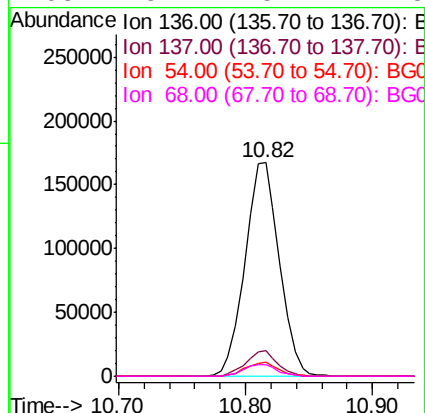
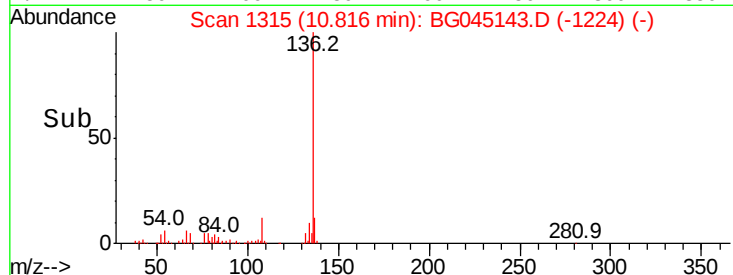
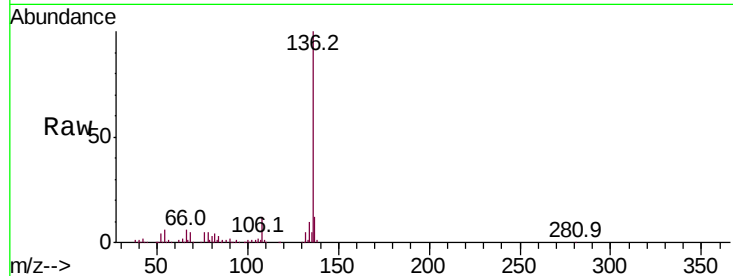
Ion Ratio Lower Upper

136 100

137 12.0 8.6 13.0

54 6.3 4.8 7.2

68 5.2 5.2 7.8#



#23

Nitrobenzene-d5

Concen: 74.684 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

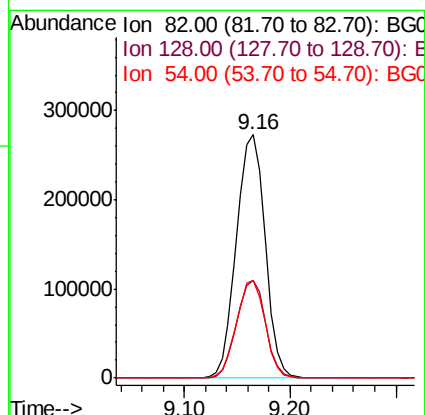
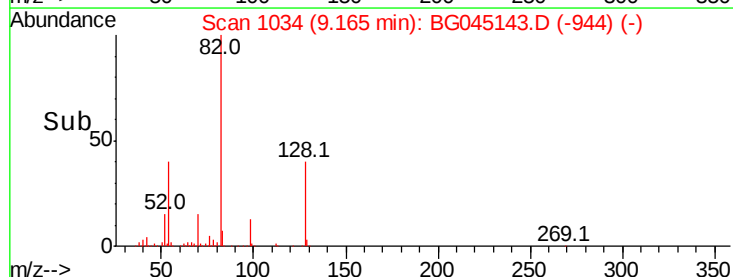
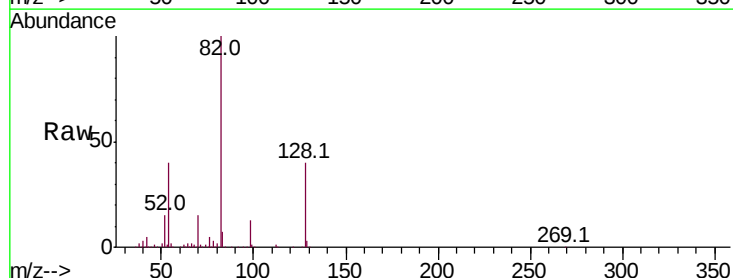
Tgt Ion: 82 Resp: 514168

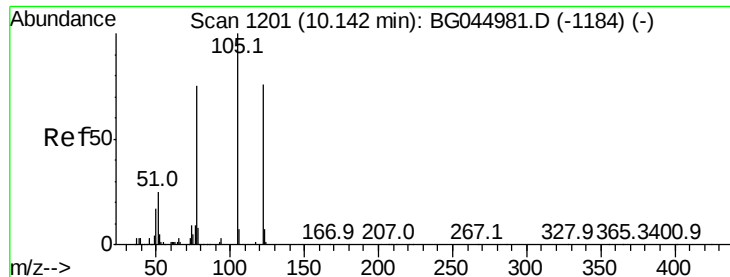
Ion Ratio Lower Upper

82 100

128 39.9 33.0 49.4

54 40.3 30.4 45.6





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.13 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

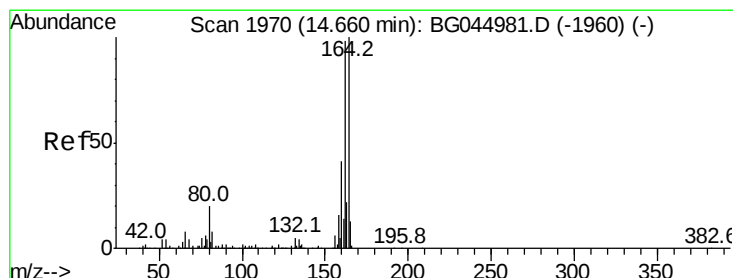
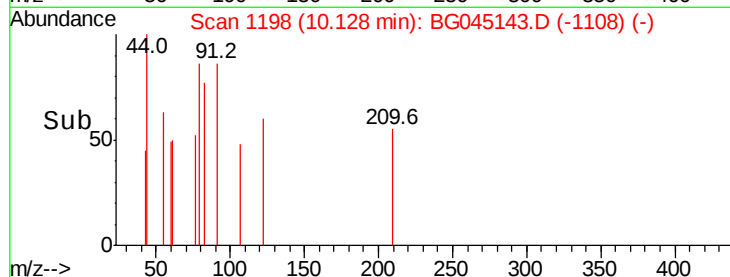
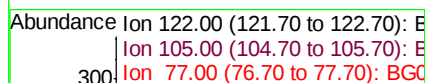
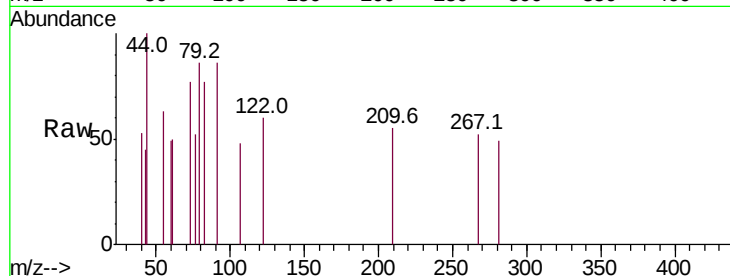
Tot Ion:122 Resp: 72

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 86.3 78.8 118.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

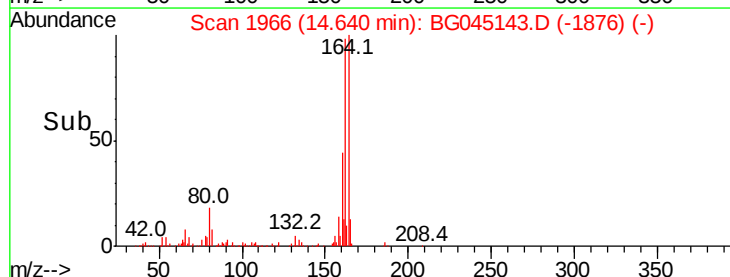
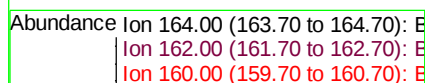
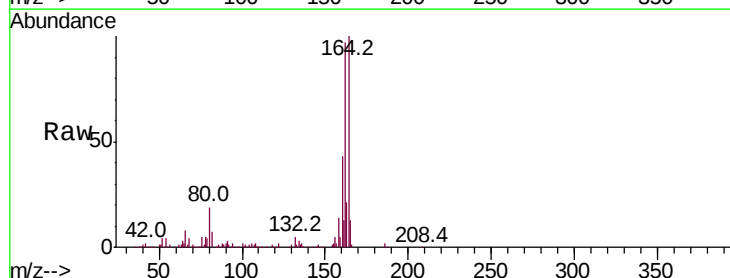
Tgt Ion:164 Resp: 223966

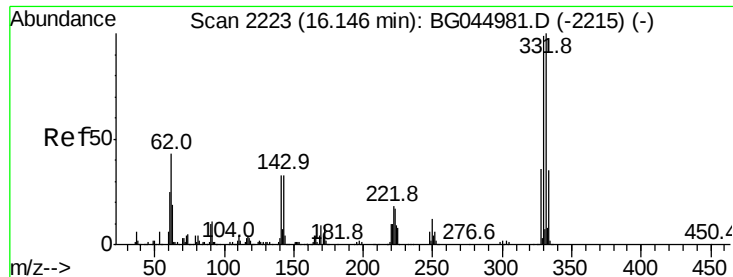
Ion Ratio Lower Upper

164 100

162 96.6 78.7 118.1

160 43.2 32.8 49.2

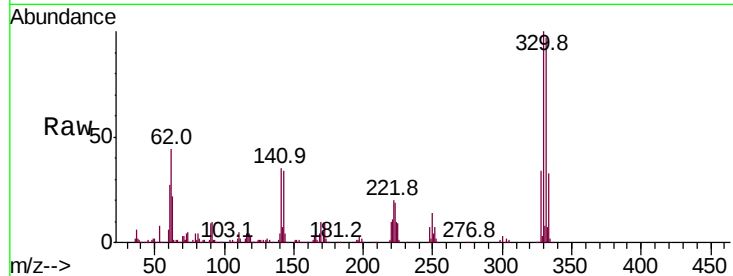




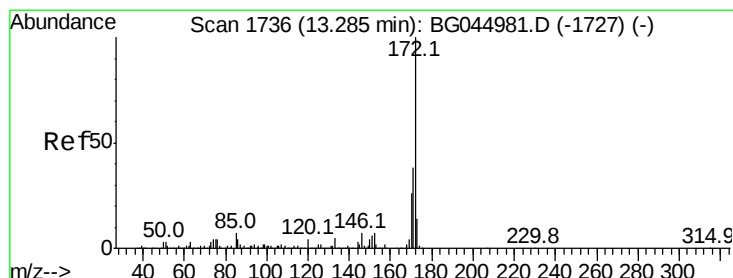
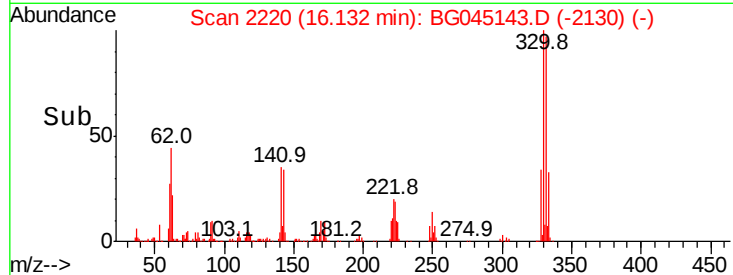
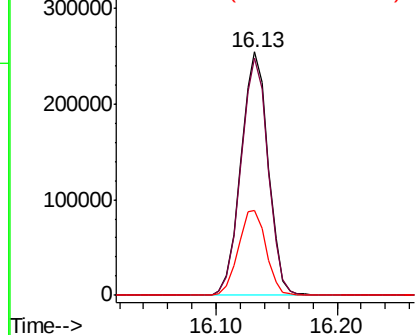
#42
 2,4,6-Tribromophenol
 Concen: 115.806 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG045143.D
 Acq: 23 Apr 2020 15:51

Instrument :
 BNA_G
 ClientSampleId :
 TP-1B-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.1	118.7
141	35.5	27.1	40.7

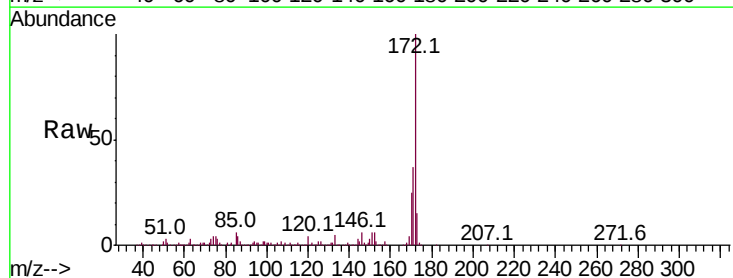


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

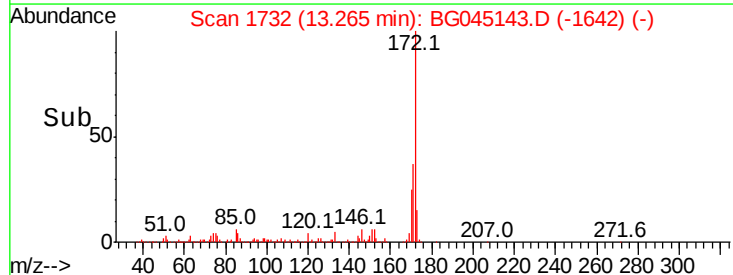
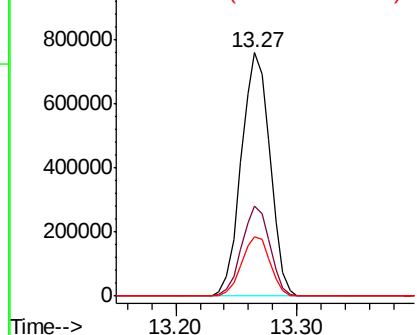


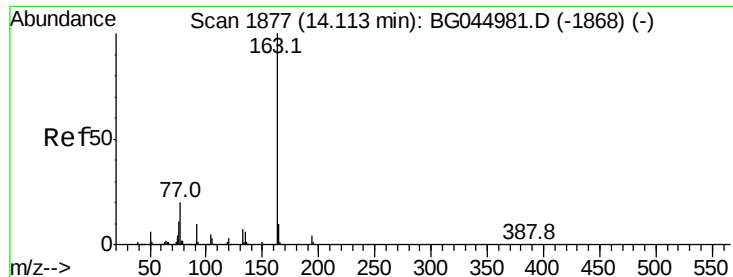
#45
 2-Fluorobiphenyl
 Concen: 82.318 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045143.D
 Acq: 23 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	24.6	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

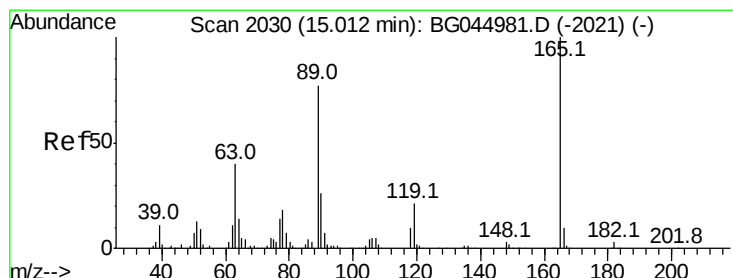
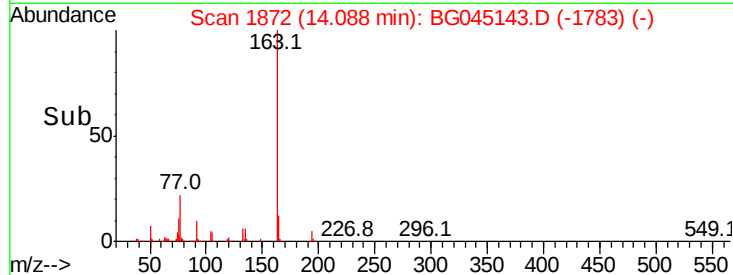
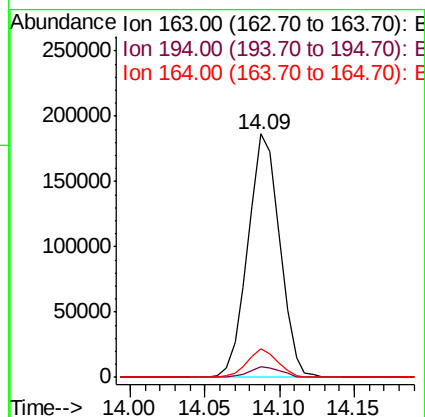
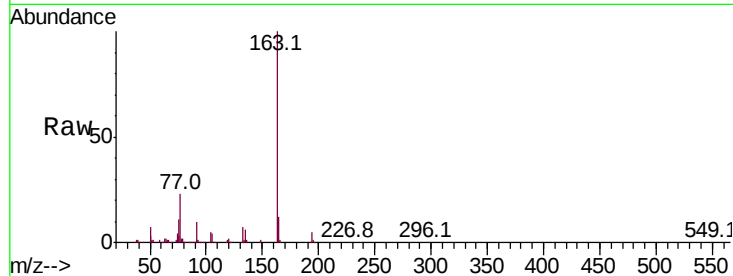




#50
Dimethylphthalate
Concen: 15.017 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG045143.D
Acq: 23 Apr 2020 15:51

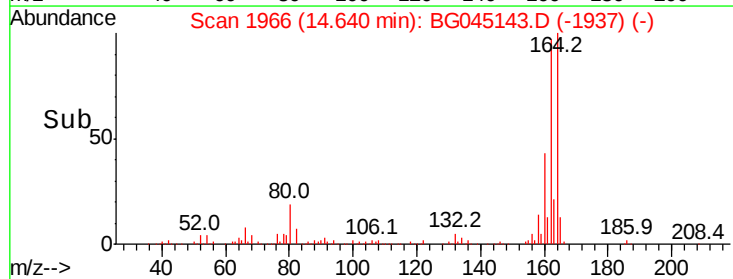
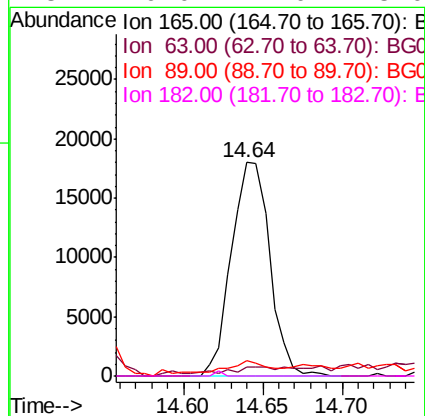
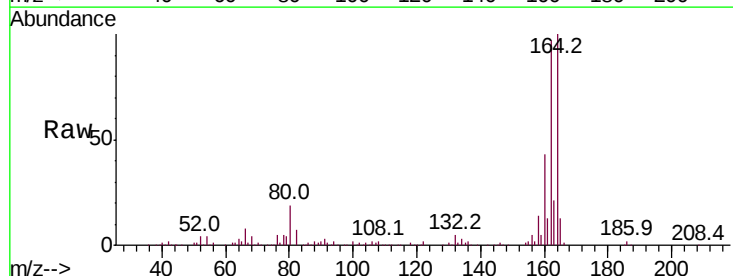
Instrument :
BNA_G
ClientSampleId :
TP-1B-S

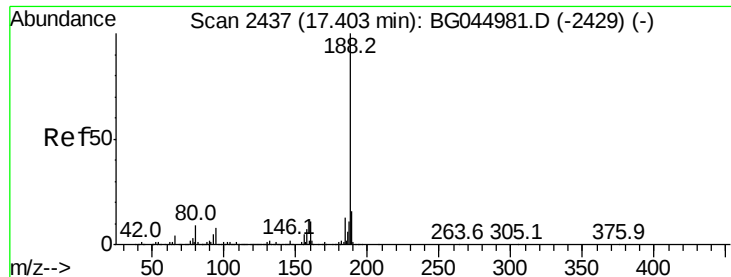
Tot Ion:163 Resp: 273852
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 11.6 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 5.060 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.36 min
Lab File: BG045143.D
Acq: 23 Apr 2020 15:51

Tgt Ion:165 Resp: 30162
Ion Ratio Lower Upper
165 100
63 4.4 32.2 48.2#
89 7.3 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

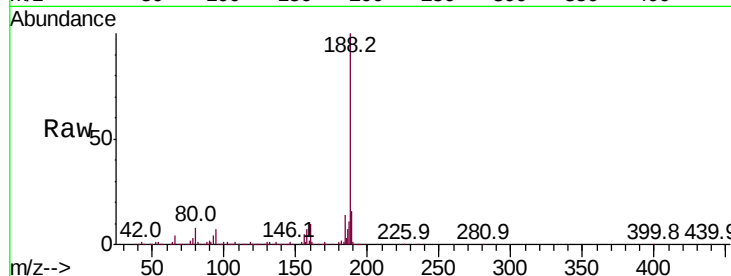
Tot Ion:188 Resp: 498007

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

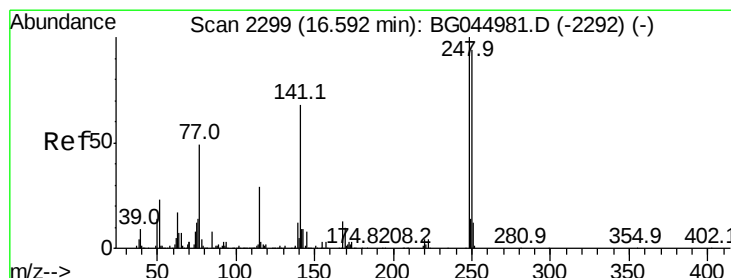
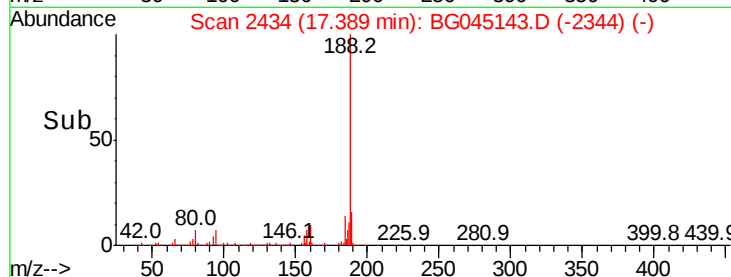
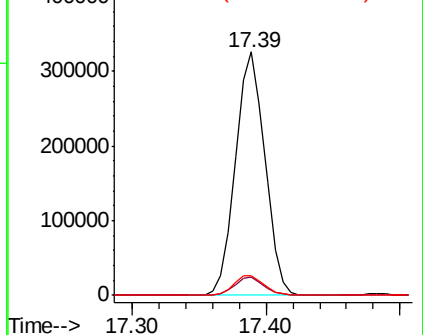
80 7.8 7.0 10.6



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: 4.344 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.45 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

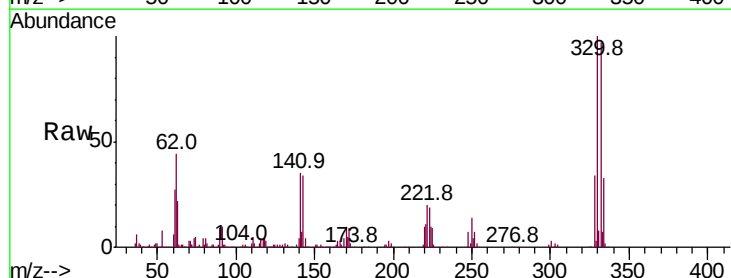
Tgt Ion:248 Resp: 27909

Ion Ratio Lower Upper

248 100

250 200.9 75.4 113.2#

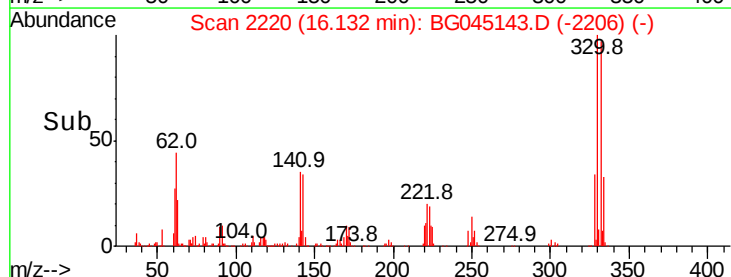
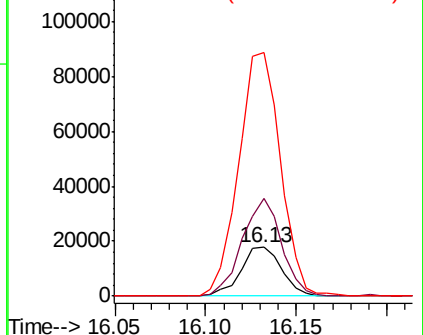
141 501.7 54.4 81.6#

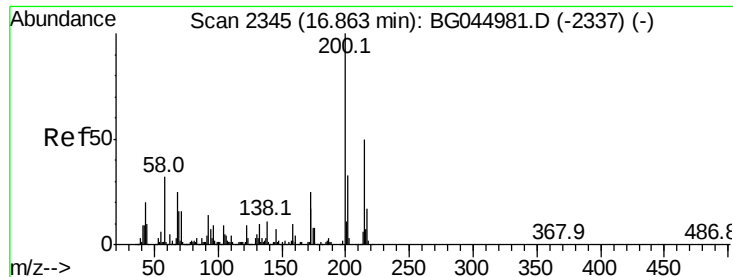


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.99 min Scan# 2366

Delta R.T. 0.14 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

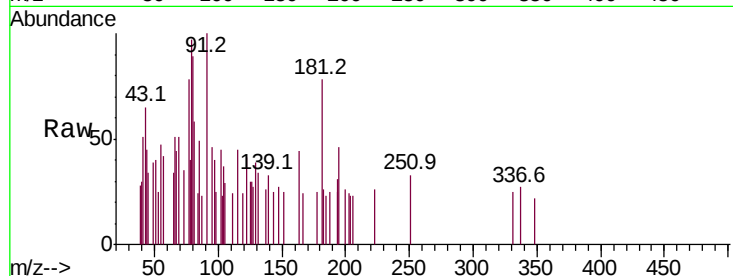
Tot Ion:200 Resp: 62

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#

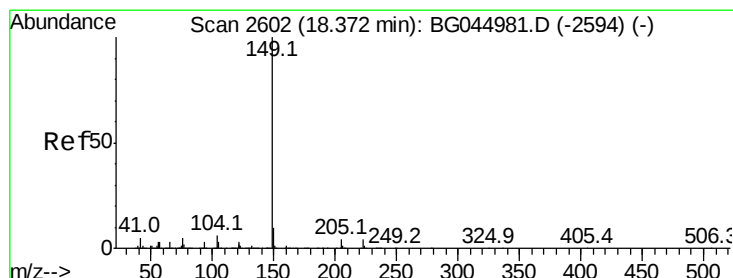
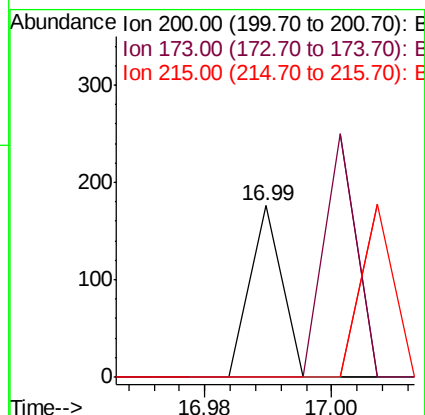
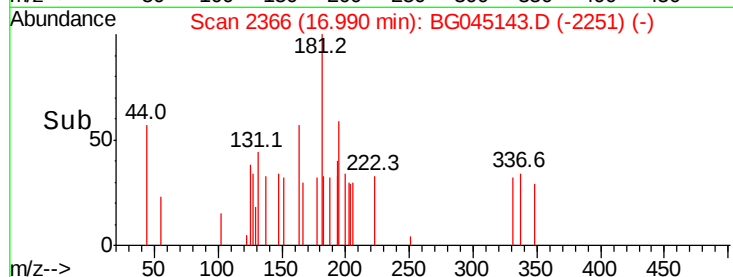


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.35 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

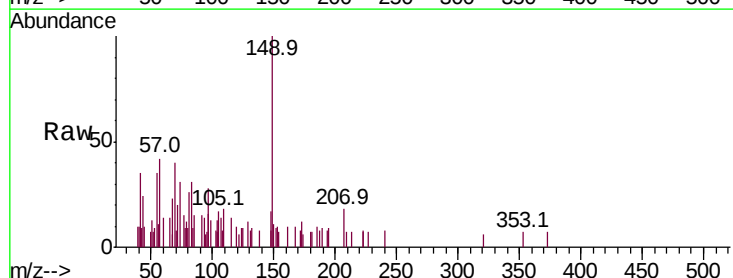
Tgt Ion:149 Resp: 4078

Ion Ratio Lower Upper

149 100

150 10.7 8.2 12.2

104 13.1 4.8 7.2#

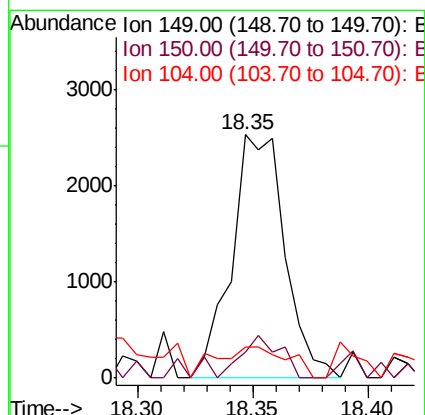
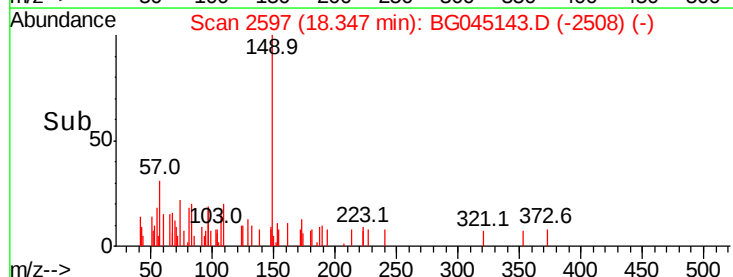


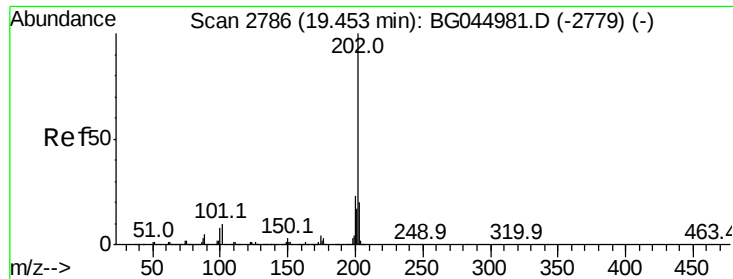
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->





#75

Fluoranthene

Concen: 2.807 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

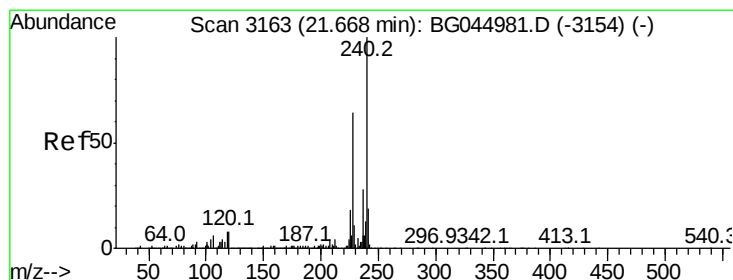
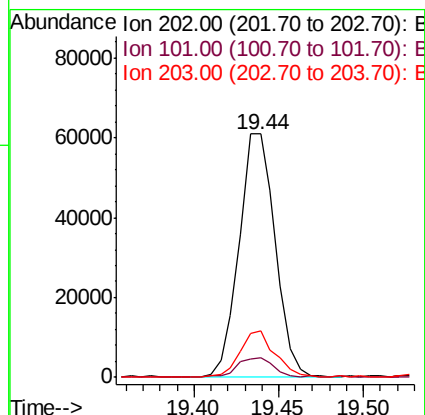
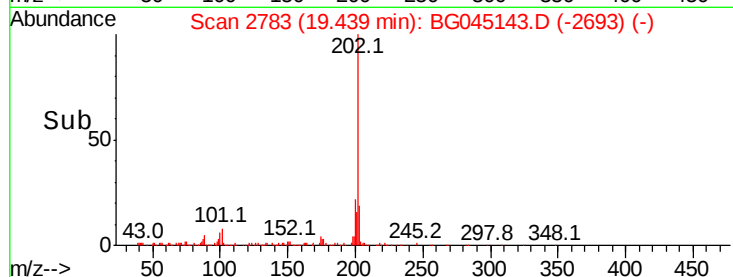
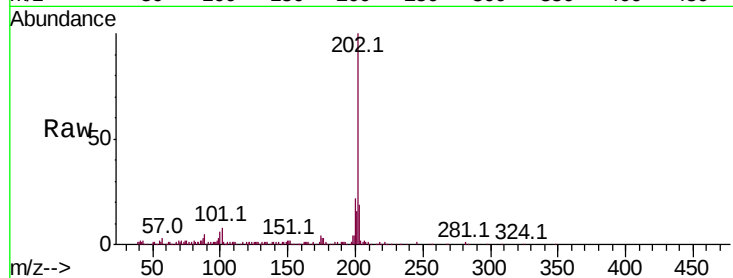
Tot Ion:202 Resp: 91183

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.6

203 19.2 0.0 39.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

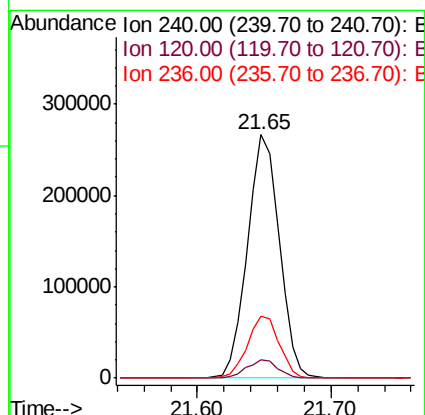
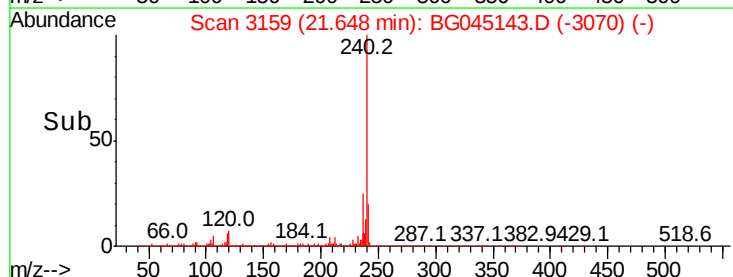
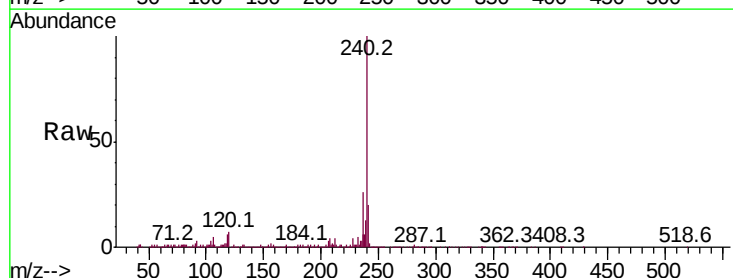
Tgt Ion:240 Resp: 436678

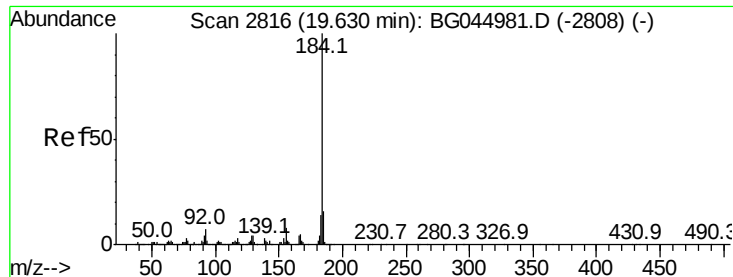
Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

236 25.6 22.2 33.2





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2879

Delta R.T. 0.39 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

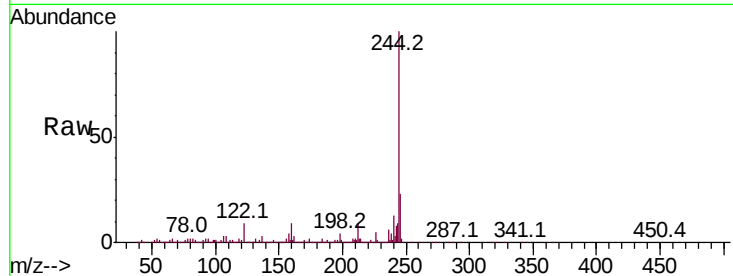
Tot Ion:184 Resp: 36990

Ion Ratio Lower Upper

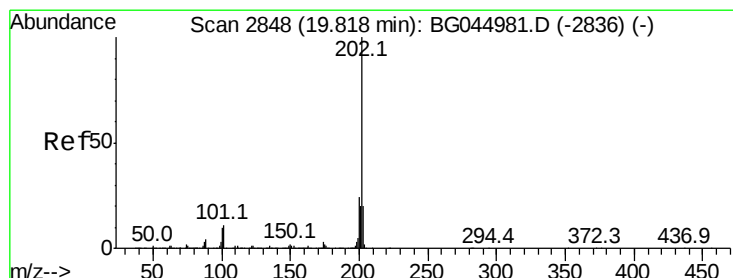
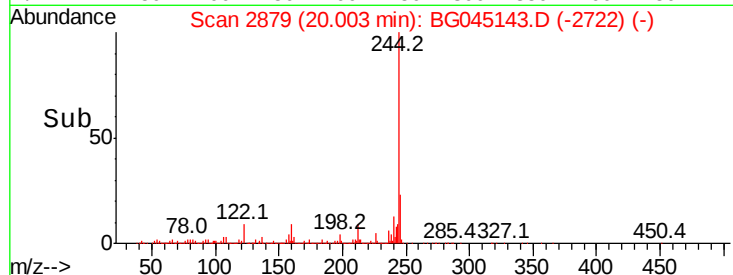
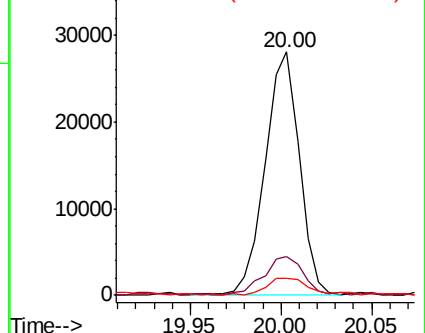
184 100

185 15.8 12.6 19.0

183 6.8 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



#78

Pyrene

Concen: 2.799 ng

RT: 19.80 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

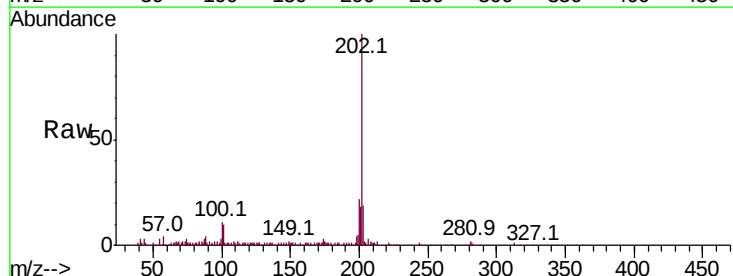
Tgt Ion:202 Resp: 84251

Ion Ratio Lower Upper

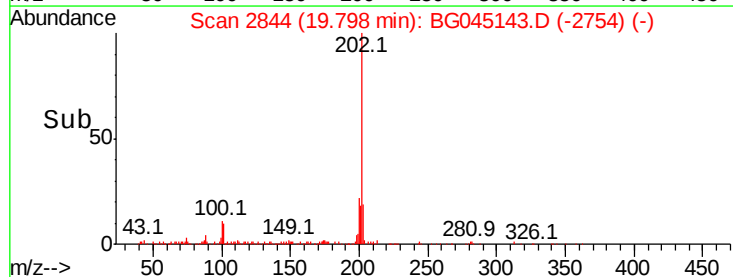
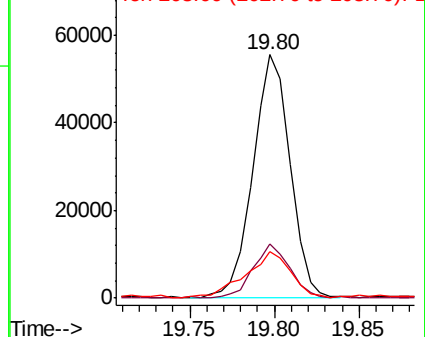
202 100

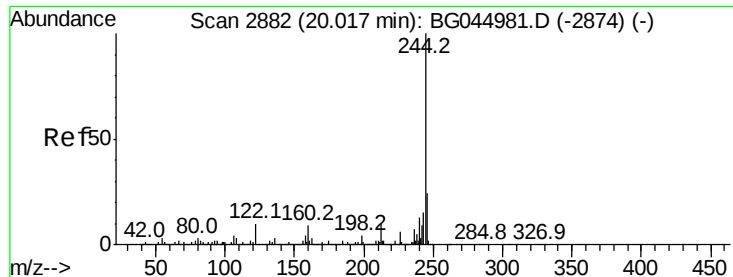
200 22.4 19.0 28.6

203 18.9 16.1 24.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.583 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

Instrument :

BNA_G

ClientSampleId :

TP-1B-S

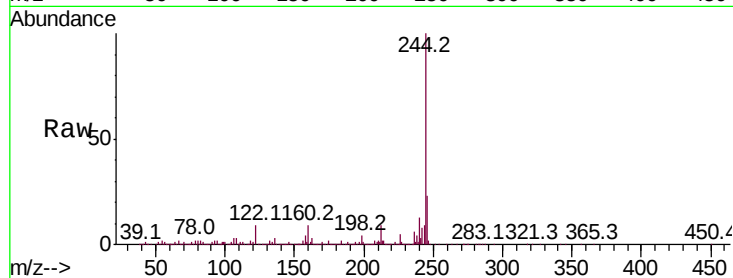
Tot Ion:244 Resp: 1834880

Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

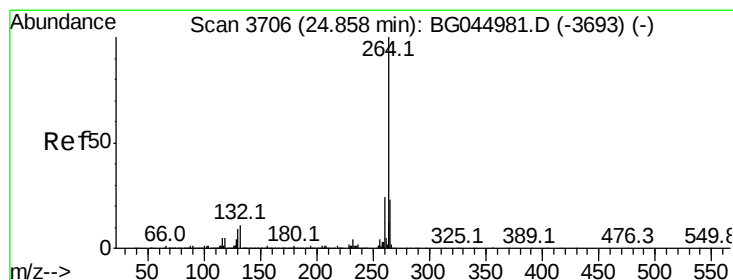
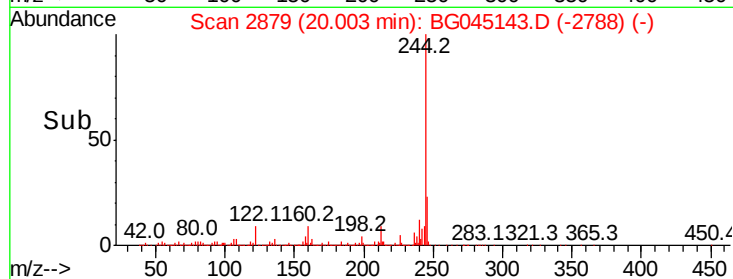
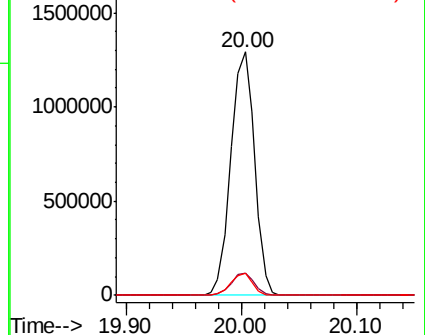
122 8.9 7.7 11.5



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: 24.83 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BG045143.D

Acq: 23 Apr 2020 15:51

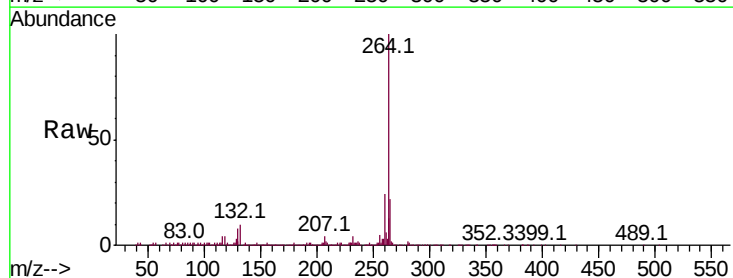
Tgt Ion:264 Resp: 475658

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

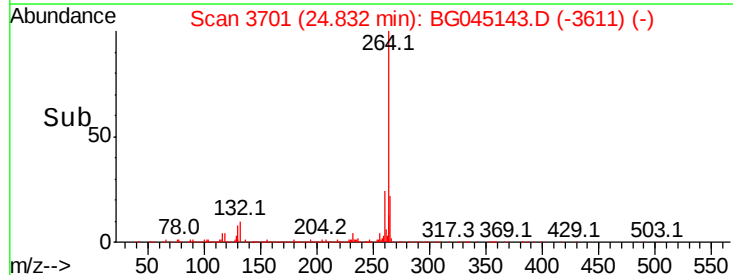
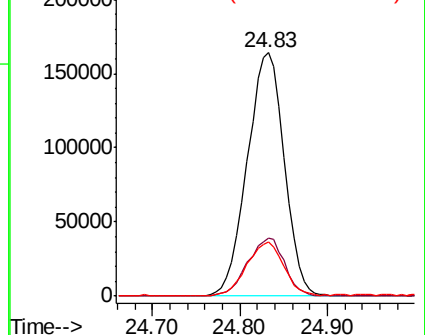
265 22.1 19.0 28.4

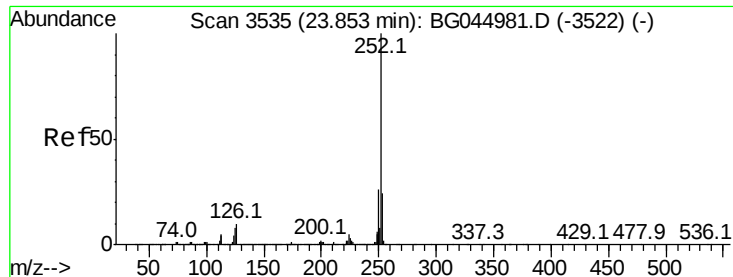


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

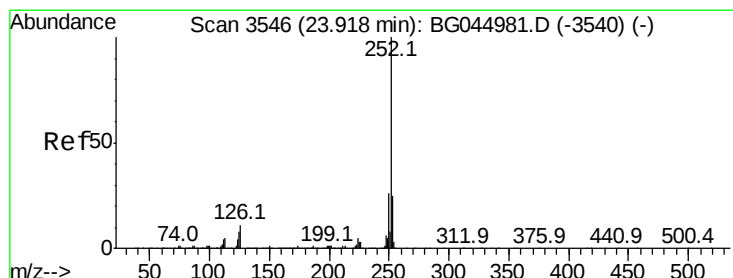
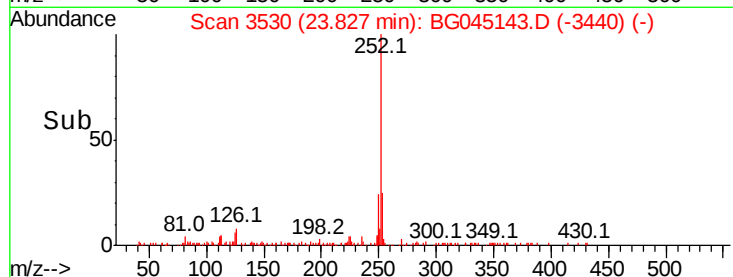
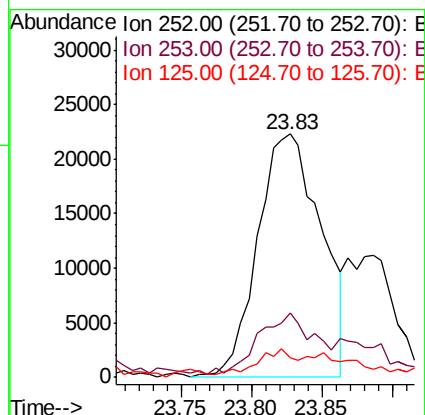
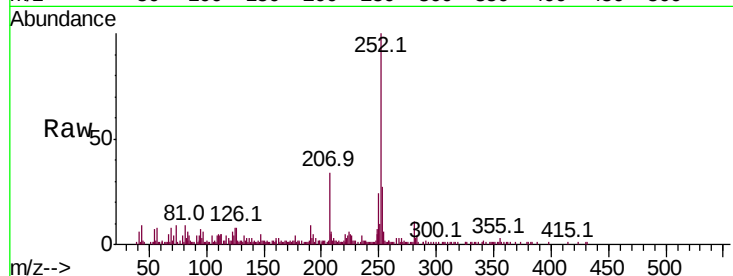




#88
Benzo(b)fluoranthene
Concen: 2.352 ng
RT: 23.83 min Scan# 3530
Delta R.T. -0.00 min
Lab File: BG045143.D
Acq: 23 Apr 2020 15:51

Instrument :
BNA_G
ClientSampleId :
TP-1B-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.8	28.2
125	7.9	6.2	9.4



#89
Benzo(k)fluoranthene
Concen: 2.473 ng
RT: 23.83 min Scan# 3530
Delta R.T. -0.07 min
Lab File: BG045143.D
Acq: 23 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.2	28.8
125	7.9	5.9	8.9

