

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042320\
 Data File : BG045147.D
 Acq On : 23 Apr 2020 18:30
 Operator : CG/JU
 Sample : L2331-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 01:49:59 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 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	85078	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	350054	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	238949	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	512168	20.00	ng	0.00
76) Chrysene-d12	21.65	240	424801	20.00	ng	0.00
87) Perylene-d12	24.83	264	463012	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	490204	95.12	ng	0.00
7) Phenol-d6	7.17	99	755380	98.66	ng	0.00
23) Nitrobenzene-d5	9.16	82	514900	67.12	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	344343	93.28	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1175730	72.15	ng	0.00
79) Terphenyl-d14	20.00	244	1548230	79.44	ng	0.00

Target Compounds

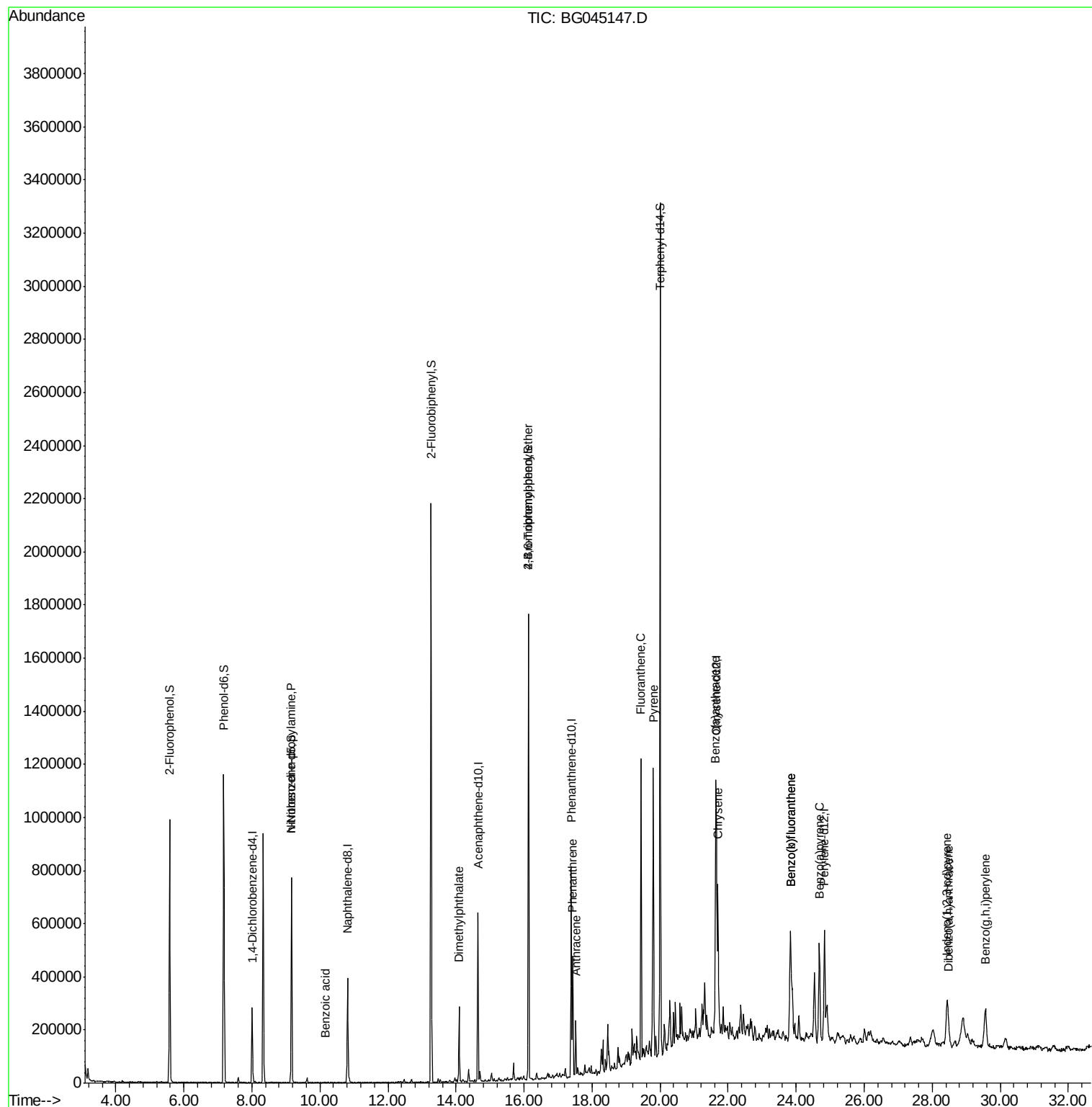
						Qvalue
9) Benzaldehyde	7.17	77	1675	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	68810	12.708 ng	#	80
32) Benzoic acid	10.16	122	60	6.386 ng	#	1
50) Dimethylphthalate	14.09	163	185642	9.541 ng		98
67) 4-Bromophenyl-phenylether	16.13	248	24395	3.692 ng	#	1
69) Atrazine	16.98	200	71	Below Cal	#	35
71) Phenanthrene	17.43	178	279623	10.624 ng		98
72) Anthracene	17.52	178	146617	5.554 ng		98
74) Di-n-butylphthalate	18.34	149	1032	Below Cal	#	65
75) Fluoranthene	19.44	202	709875	19.443 ng		98
77) Benzidine	19.68	184	1478	Below Cal	#	1
78) Pyrene	19.80	202	739390	25.247 ng		96
81) Benzo(a)anthracene	21.63	228	398430	14.471 ng		98
83) Chrysene	21.69	228	378599	14.311 ng		95
86) Indeno(1,2,3-cd)pyrene	28.43	276	306834	8.736 ng		99
88) Benzo(b)fluoranthene	23.83	252	543819	18.751 ng		98
89) Benzo(k)fluoranthene	23.83	252	543819	19.717 ng		97
90) Benzo(a)pyrene	24.68	252	435135	15.891 ng		97
91) Dibenzo(a,h)anthracene	28.48	278	78164	2.833 ng		92
92) Benzo(a,h,i)perylene	29.56	276	311010	11.243 ng		96

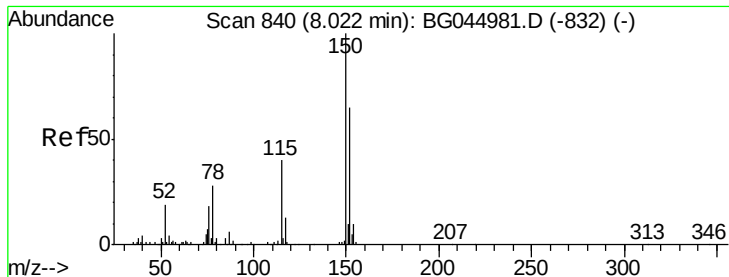
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
Operator : CG/JU
Sample : L2331-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 24 01:49:59 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 13:58:55 2020
Response via : Initial Calibration



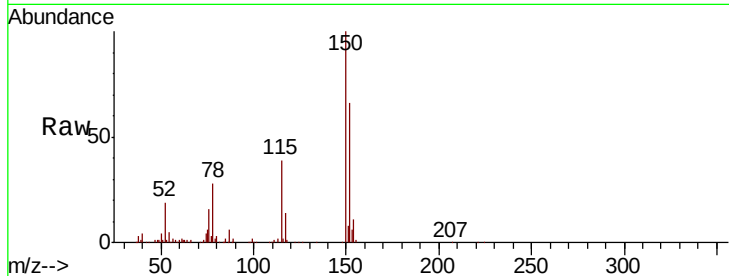


#1

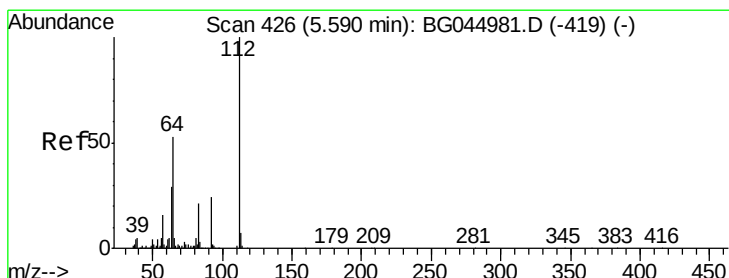
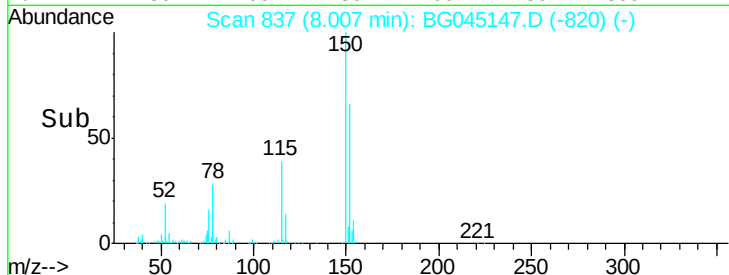
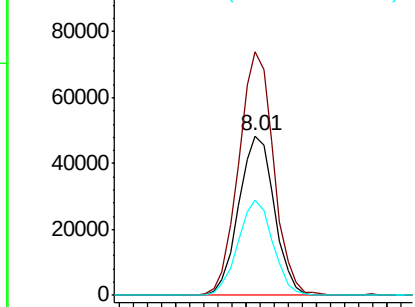
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	123.6	185.4
115	60.0	49.1	73.7



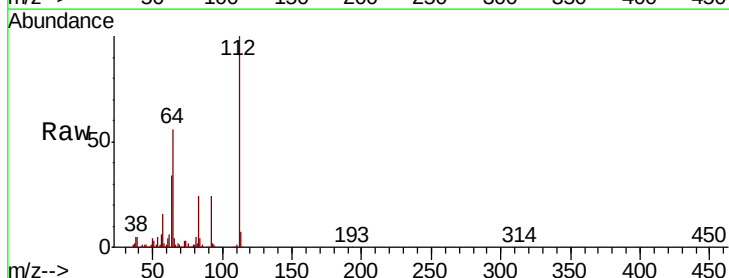
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



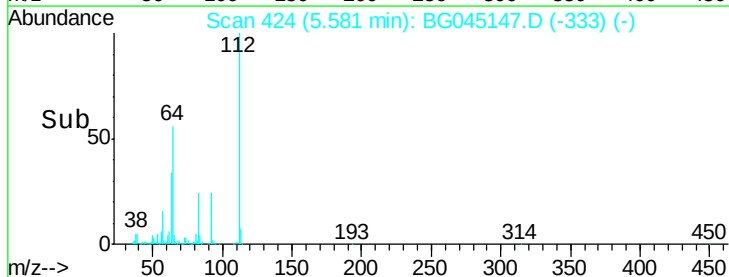
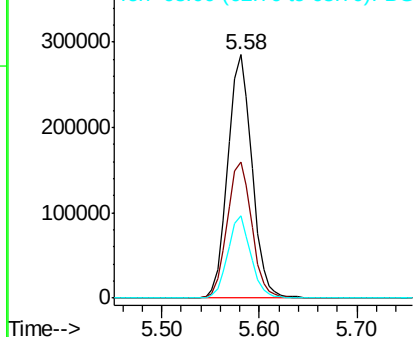
#5

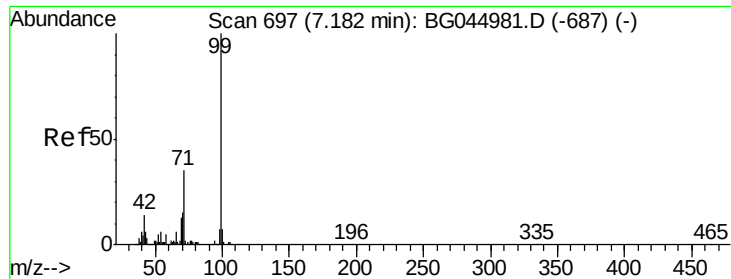
2-Fluorophenol
Concen: 95.125 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.4	63.6
63	33.6	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 98.659 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampleId :

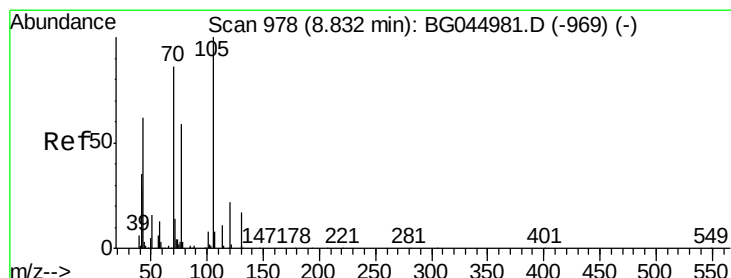
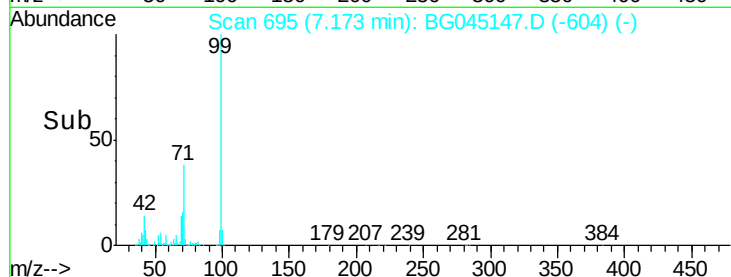
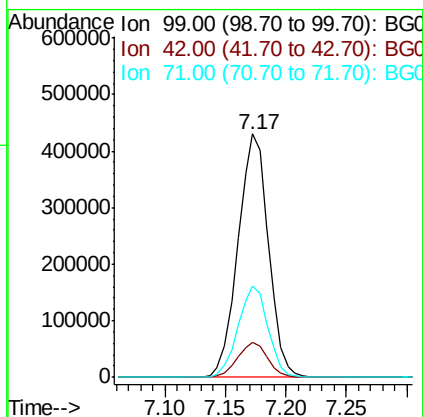
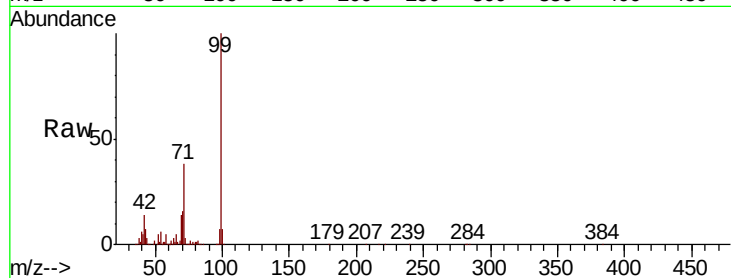
Tot Ion: 99 Resp: 755380

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 37.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.708 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Tgt Ion: 70 Resp: 68810

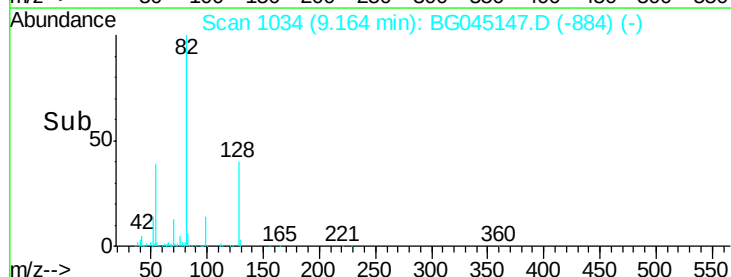
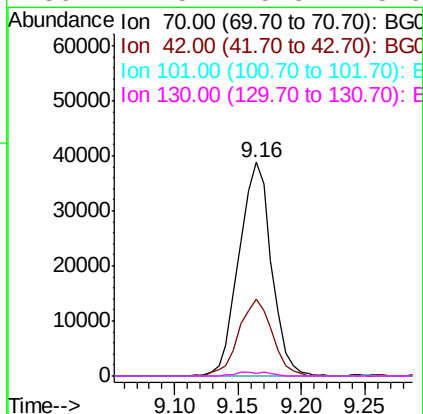
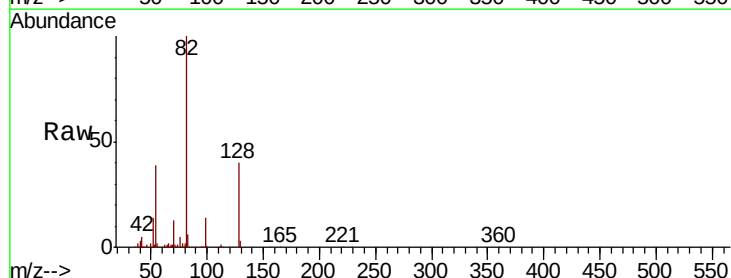
Ion Ratio Lower Upper

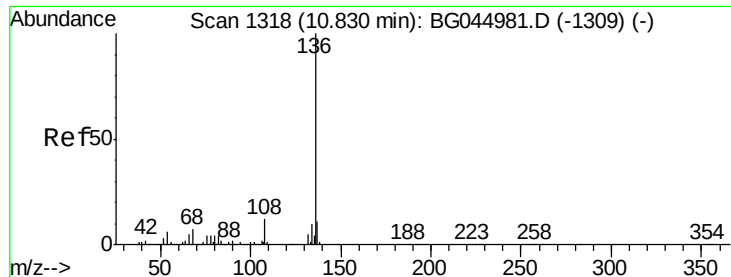
70 100

42 36.2 33.3 49.9

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

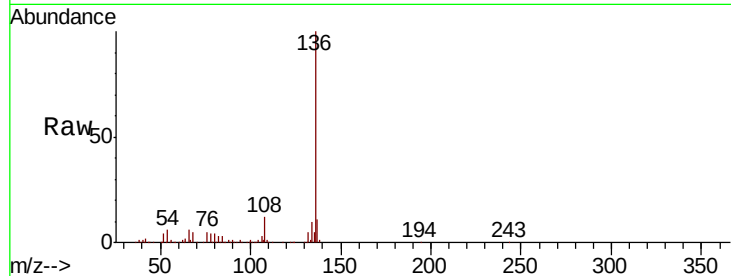




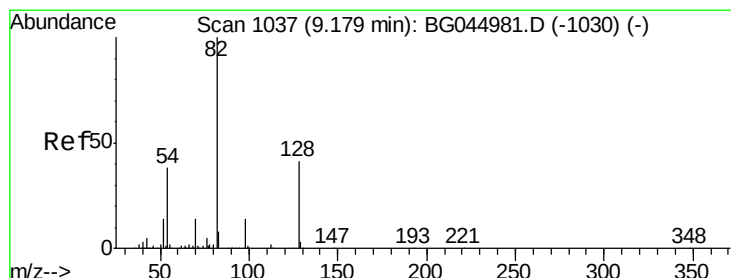
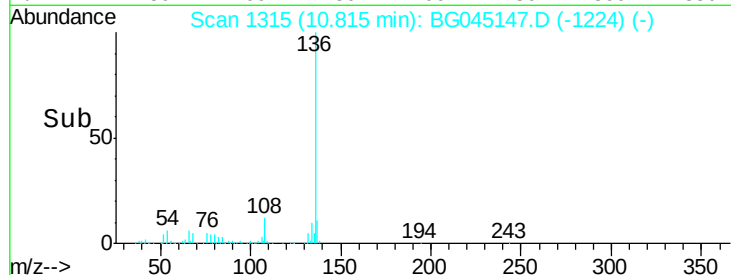
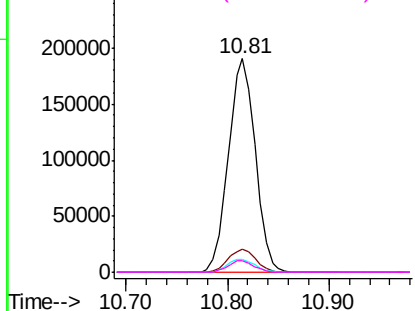
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	350054
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.6	13.0
54 5.9	4.8	7.2
68 5.4	5.2	7.8

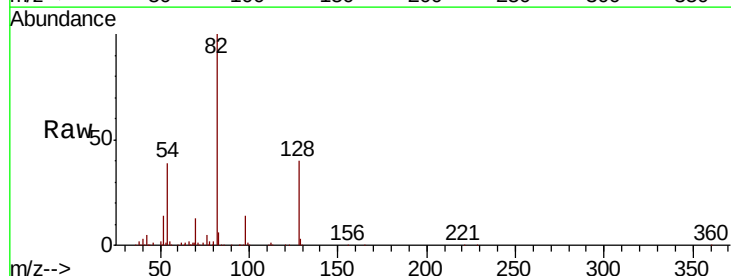


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

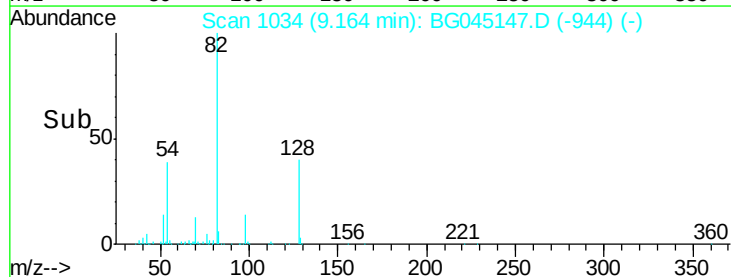
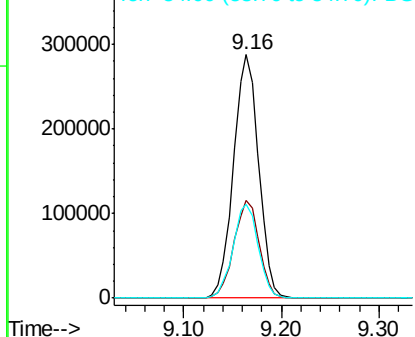


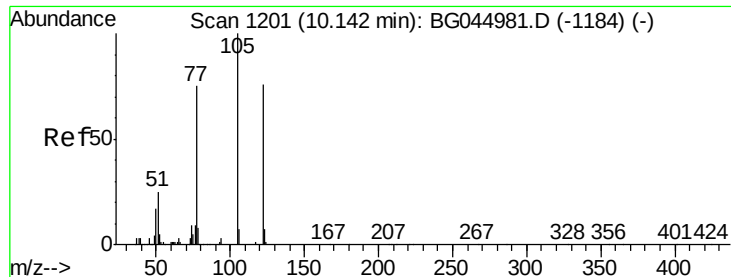
#23
Nitrobenzene-d5
Concen: 67.116 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion: 82	Resp: 514900
Ion Ratio	Lower Upper
82 100	
128 39.9	33.0 49.4
54 38.5	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: 6.386 ng

RT: 10.16 min Scan# 1204

Delta R.T. 0.03 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampled :

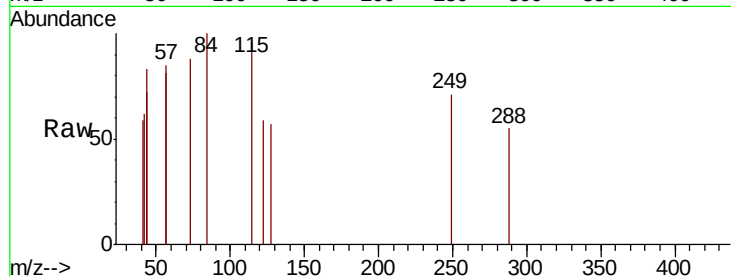
Tot Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

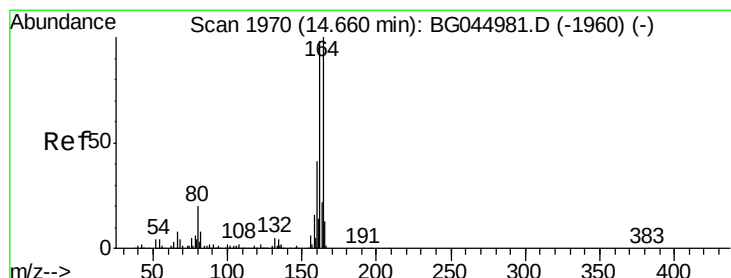
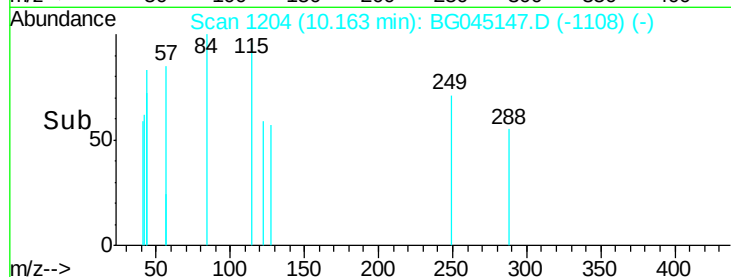
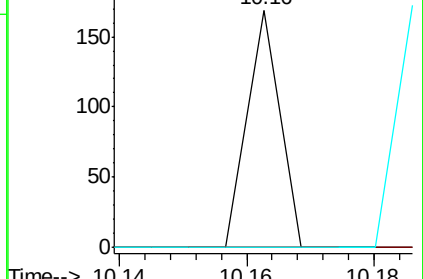
77 0.0 78.8 118.8#



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: 14.64 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

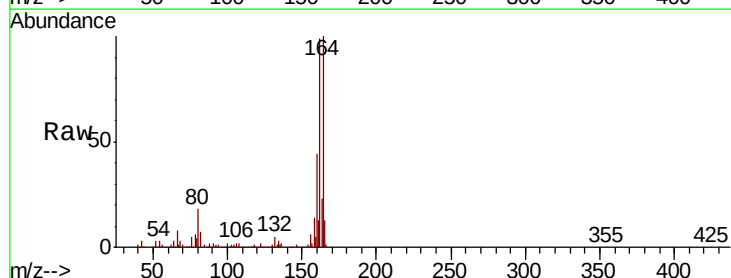
Tgt Ion:164 Resp: 238949

Ion Ratio Lower Upper

164 100

162 98.9 78.7 118.1

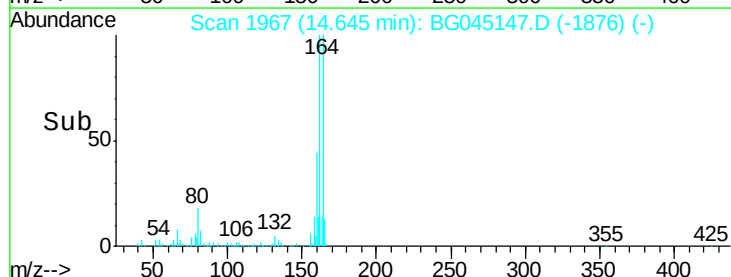
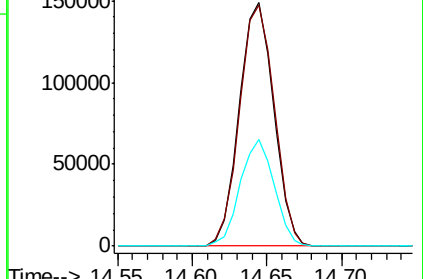
160 43.8 32.8 49.2

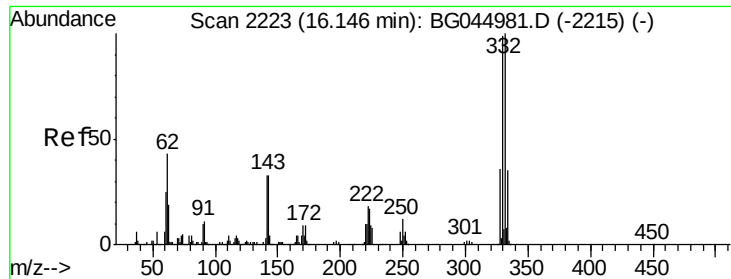


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

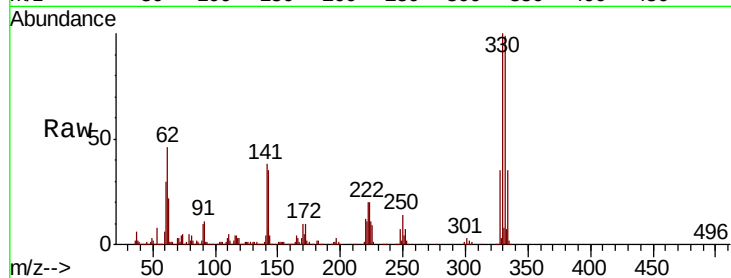




#42
 2,4,6-Tribromophenol
 Concen: 93.281 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	79.1	118.7
141	36.1	27.1	40.7

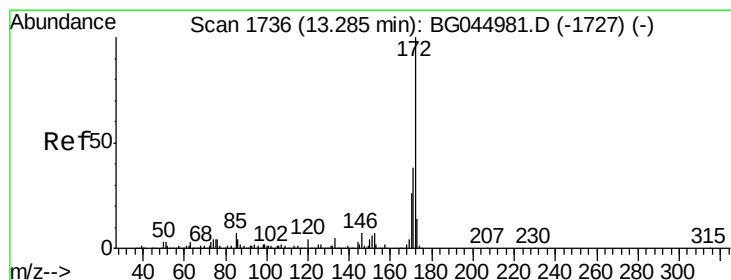
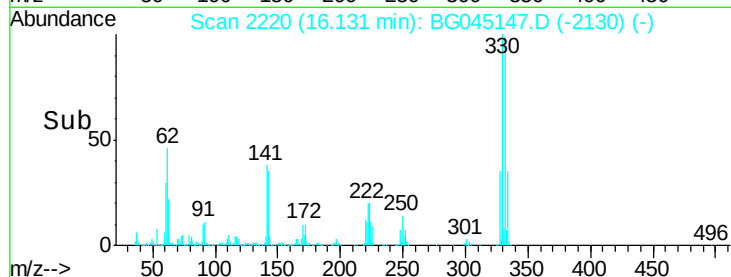
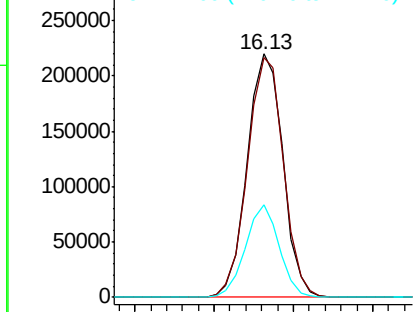


Abundance

Ion 329.80 (329.50 to 330.50): E

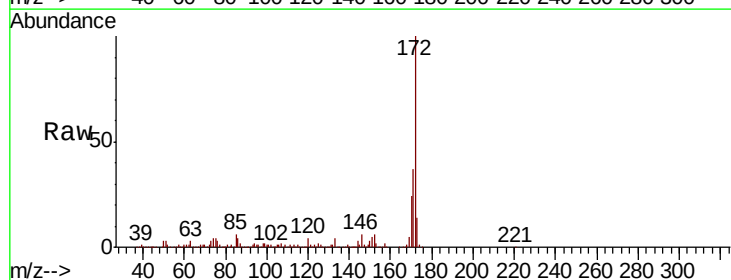
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.149 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	46.0
170	24.4	20.5	30.7

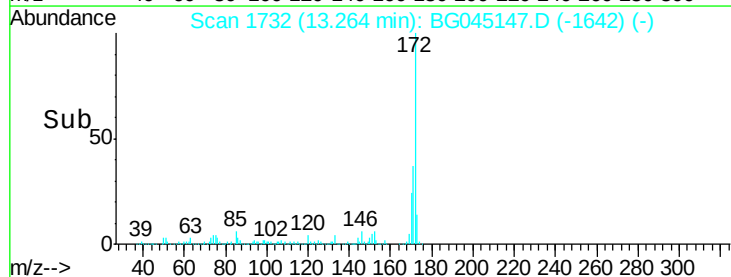
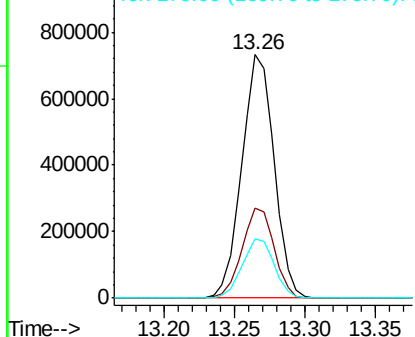


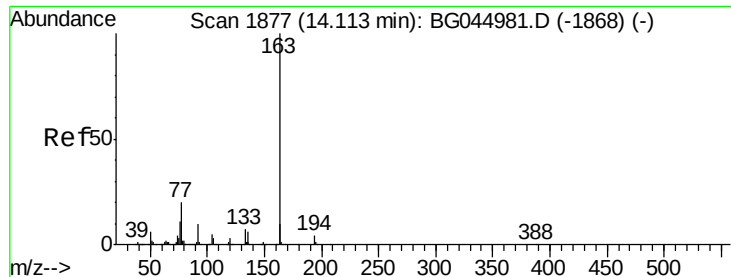
Abundance

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: 9.541 ng

RT: 14.09 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampleId :

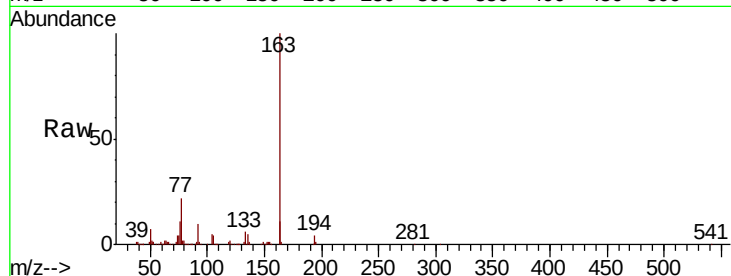
Tot Ion:163 Resp: 185642

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

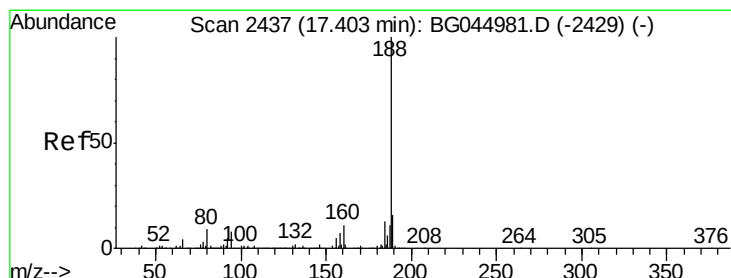
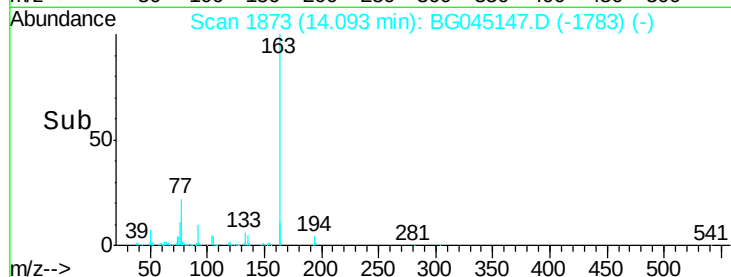
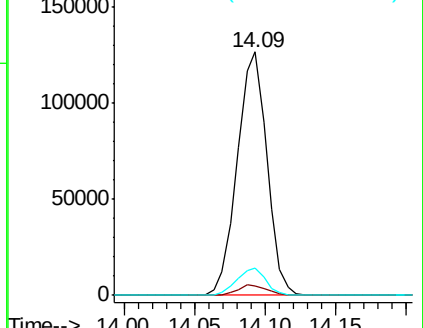
164 11.3 8.2 12.4



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

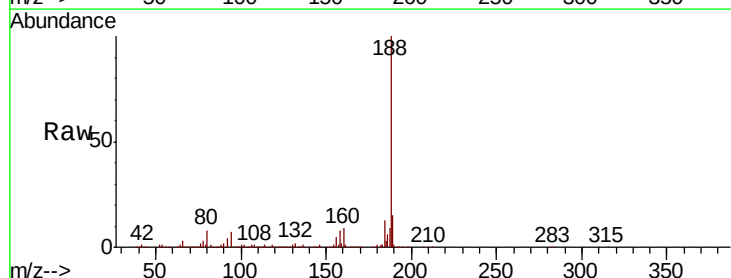
Tgt Ion:188 Resp: 512168

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

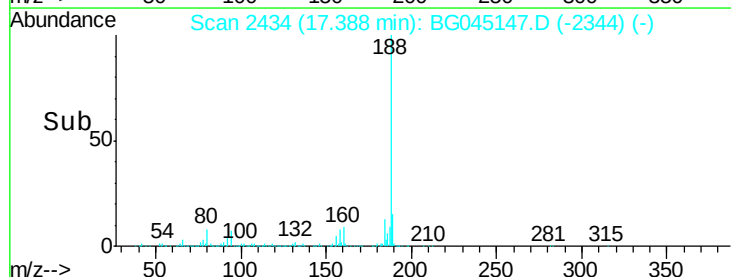
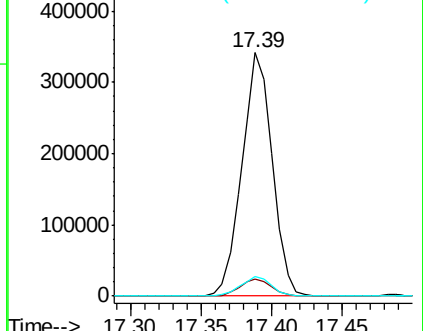
80 7.9 7.0 10.6

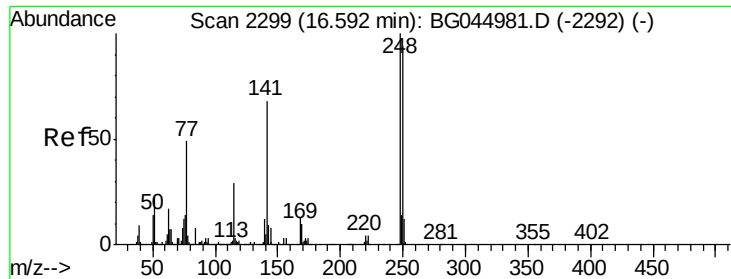


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

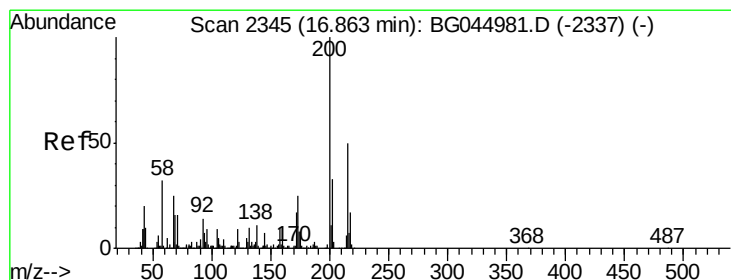
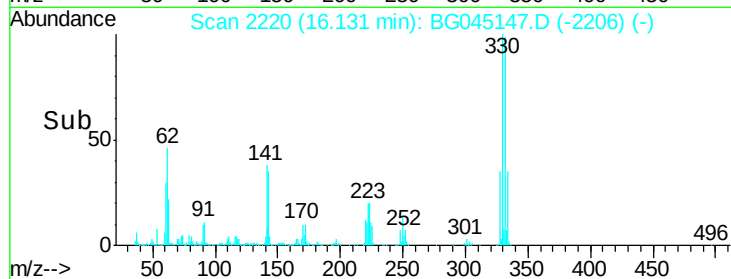
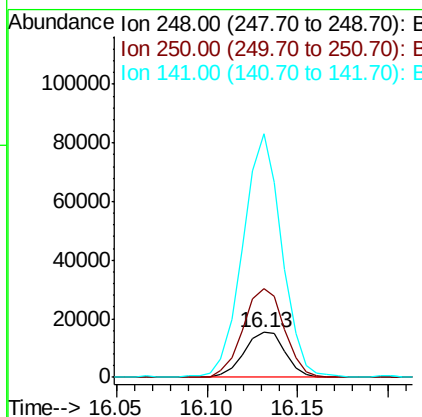
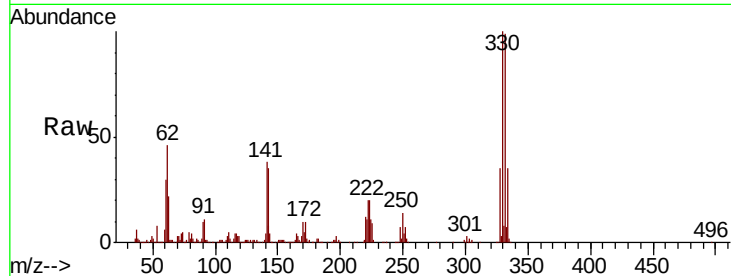




#67
 4-Bromophenyl-phenylether
 Concen: 3.692 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.45 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

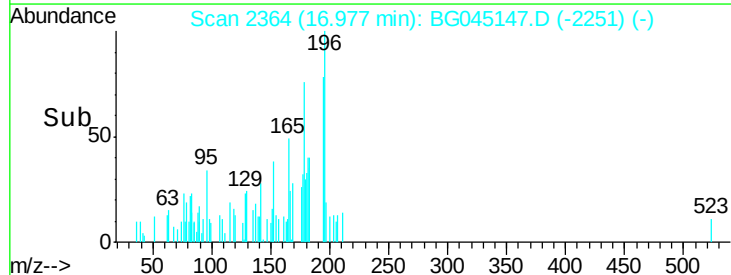
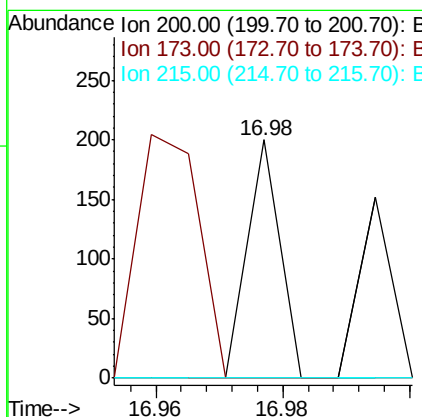
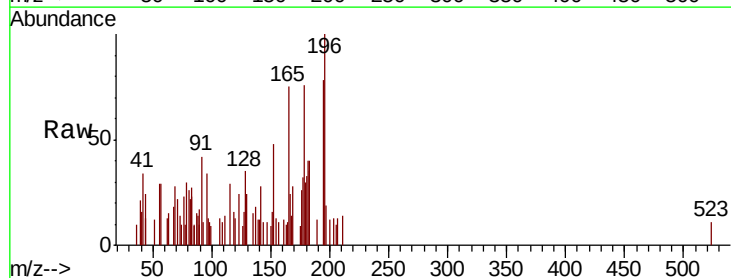
Instrument :
 BNA_G
 ClientSampled :

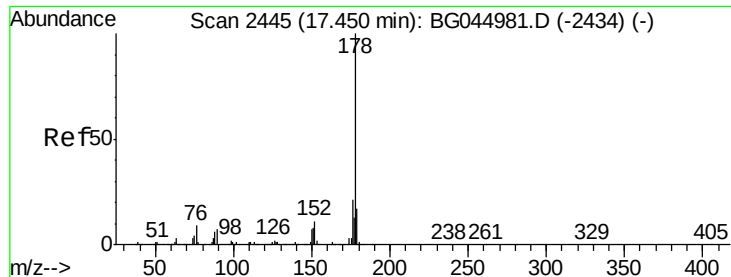
Tot Ion:248 Resp: 24395
 Ion Ratio Lower Upper
 248 100
 250 197.8 75.4 113.2#
 141 546.1 54.4 81.6#



#69
 Atrazine
 Concen: Below Cal
 RT: 16.98 min Scan# 2364
 Delta R.T. 0.13 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

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#

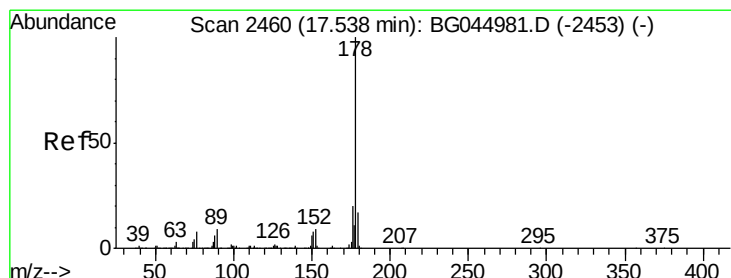
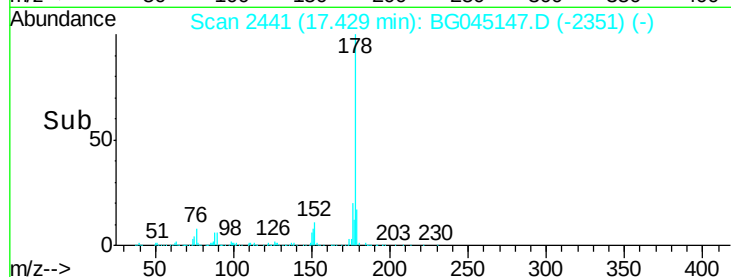
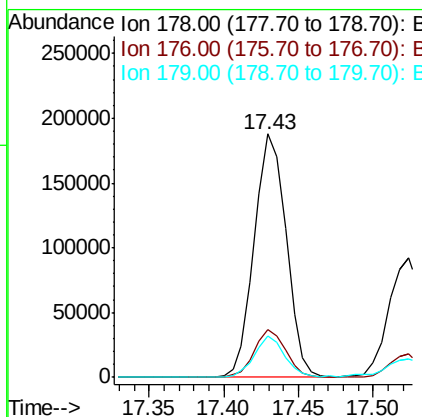
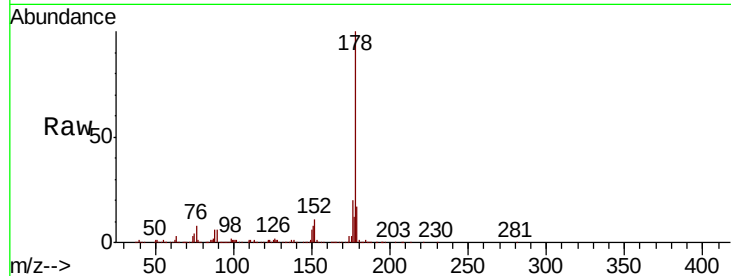




#71
Phenanthrene
Concen: 10.624 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

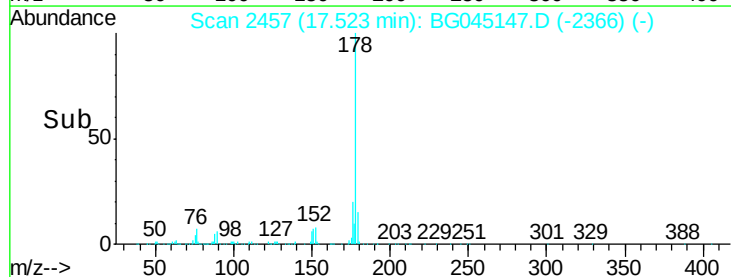
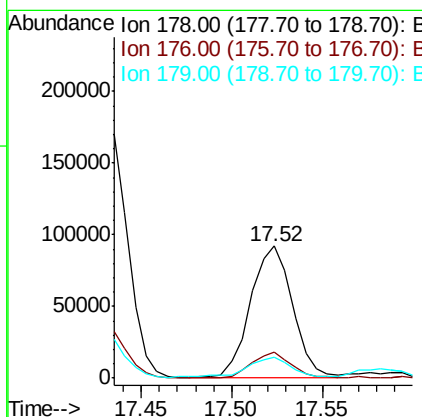
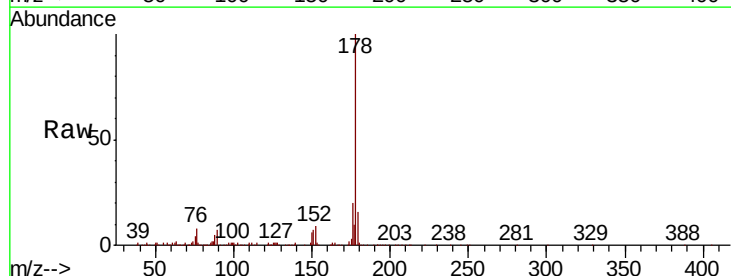
Instrument :
BNA_G
ClientSampleId :

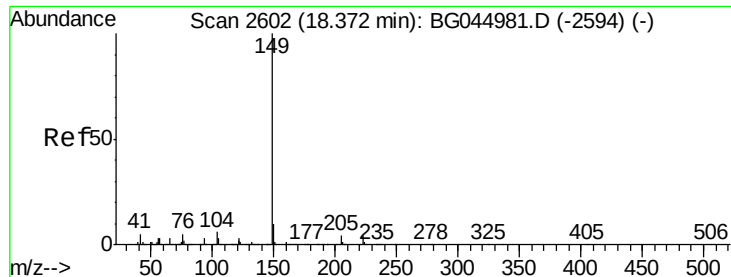
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.8	25.2
179	16.8	13.2	19.8



#72
Anthracene
Concen: 5.554 ng
RT: 17.52 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.6	13.6	20.4

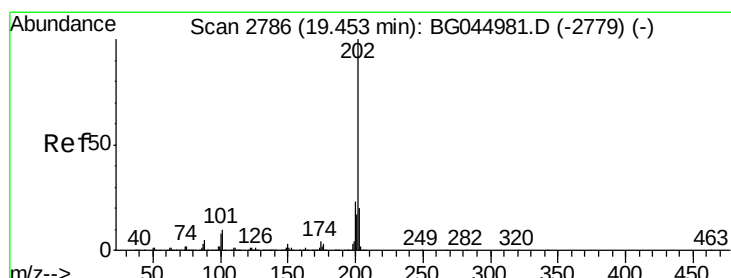
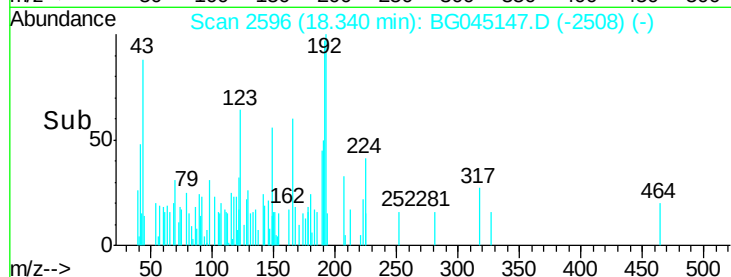
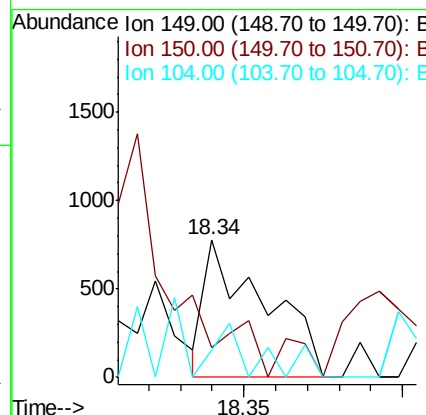
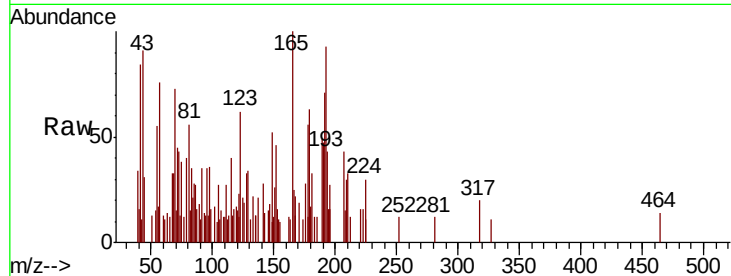




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.34 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

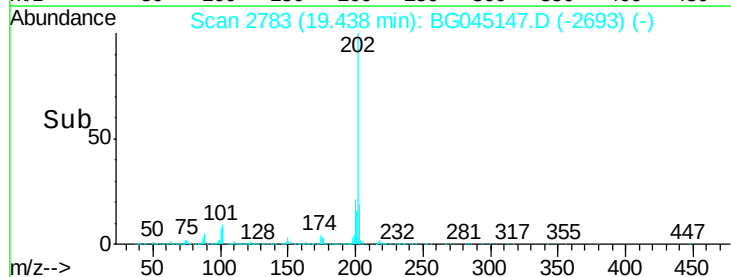
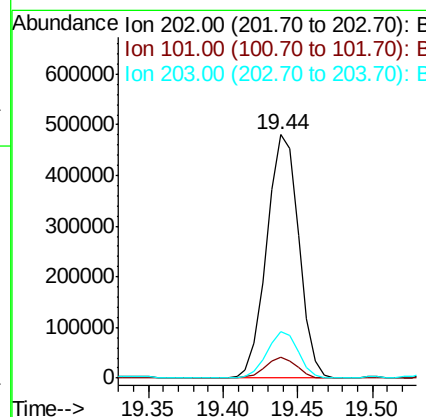
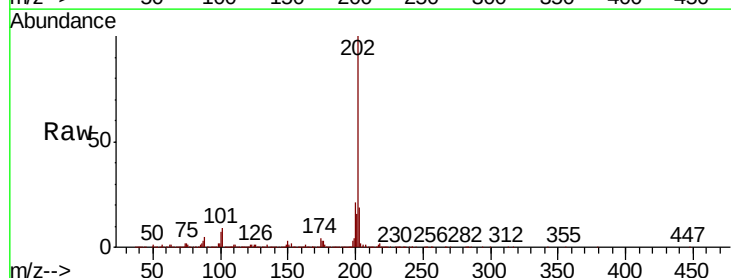
Instrument :
BNA_G
ClientSampleId :

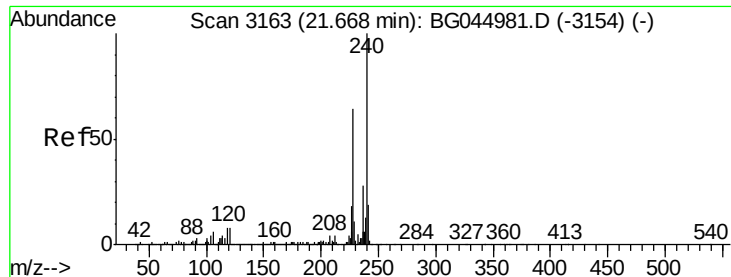
Tot Ion:149 Resp: 1032
Ion Ratio Lower Upper
149 100
150 22.1 8.2 12.2#
104 19.6 4.8 7.2#



#75
Fluoranthene
Concen: 19.443 ng
RT: 19.44 min Scan# 2783
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion:202 Resp: 709875
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.6
203 19.1 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampleId :

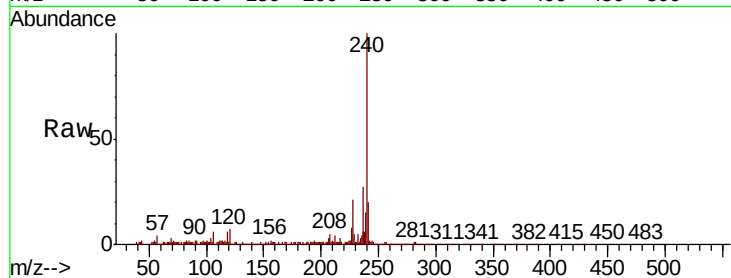
Tot Ion:240 Resp: 424801

Ion Ratio Lower Upper

240 100

120 6.7 6.6 10.0

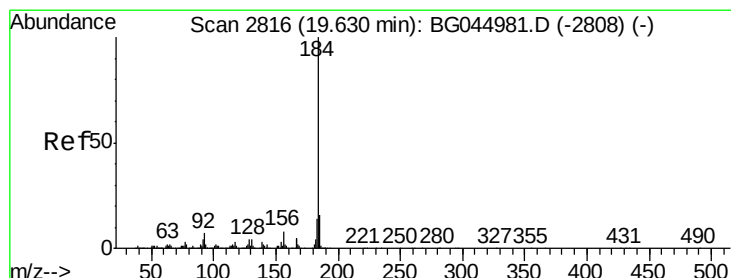
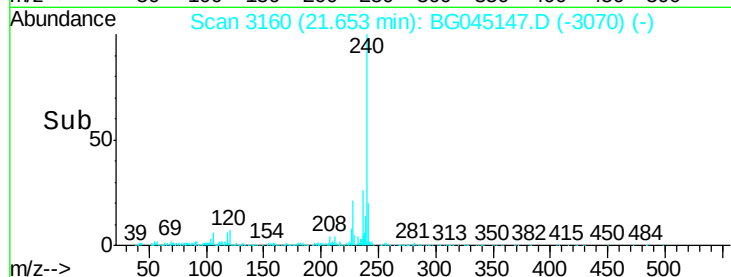
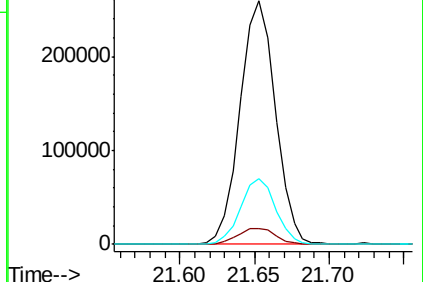
236 27.0 22.2 33.2



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: 19.68 min Scan# 2824

Delta R.T. 0.07 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

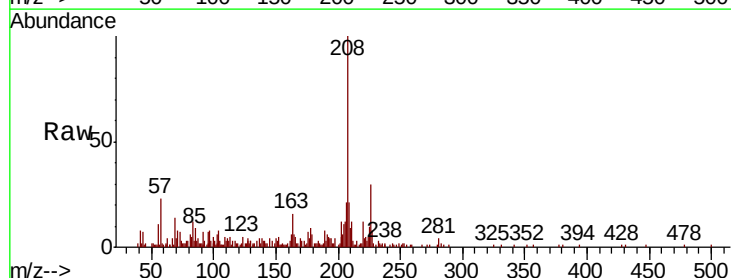
Tgt Ion:184 Resp: 1478

Ion Ratio Lower Upper

184 100

185 64.2 12.6 19.0#

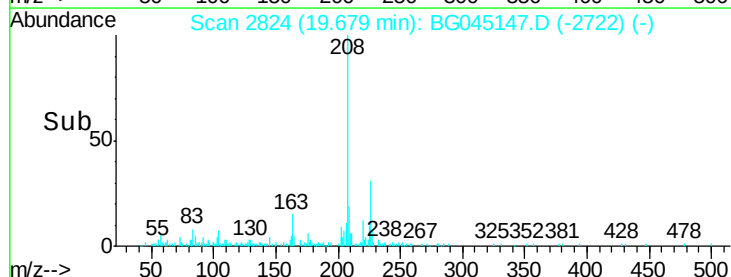
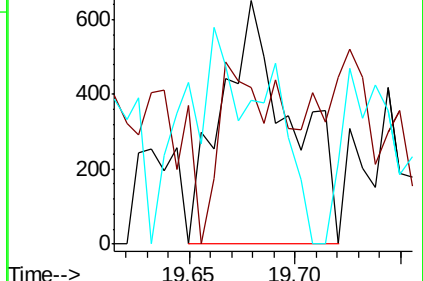
183 59.0 11.3 16.9#

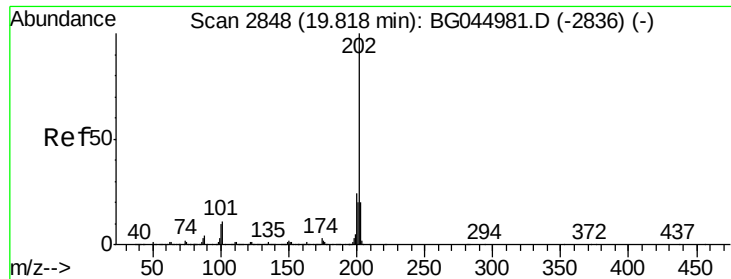


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 25.247 ng

RT: 19.80 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

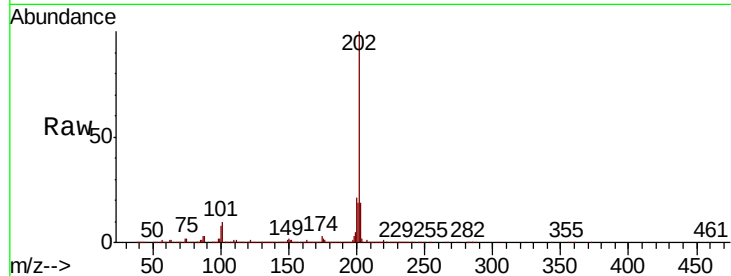
Instrument :

BNA_G

ClientSampleId :

Tot Ion:202 Resp: 739390

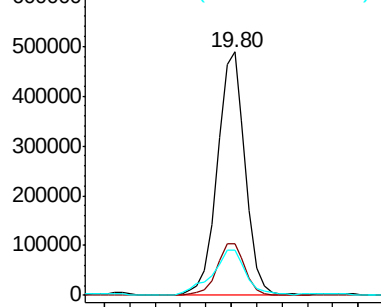
Ion	Ratio	Lower	Upper
202	100		
200	21.2	19.0	28.6
203	18.7	16.1	24.1



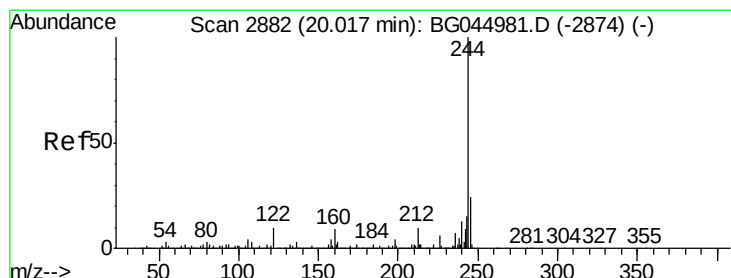
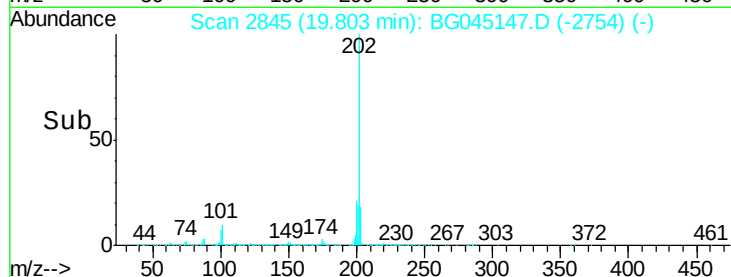
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.70 19.80



#79

Terphenyl-d14

Concen: 79.437 ng

RT: 20.00 min Scan# 2879

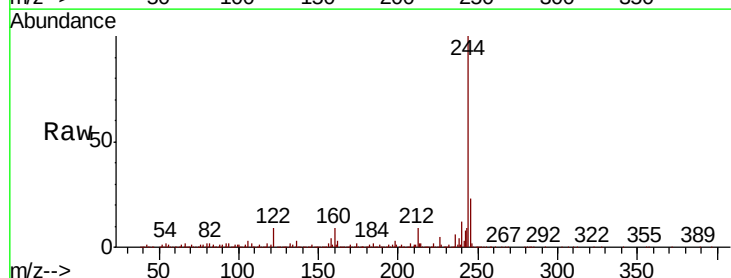
Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Tgt Ion:244 Resp: 1548230

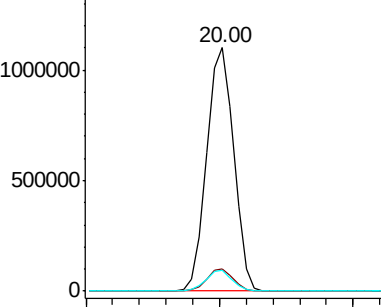
Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.9	11.9
122	8.5	7.7	11.5



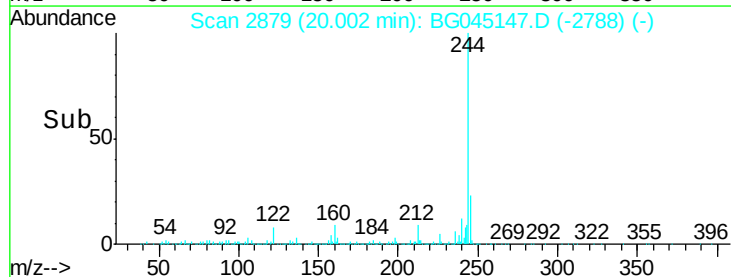
Abundance Ion 244.00 (243.70 to 244.70): E

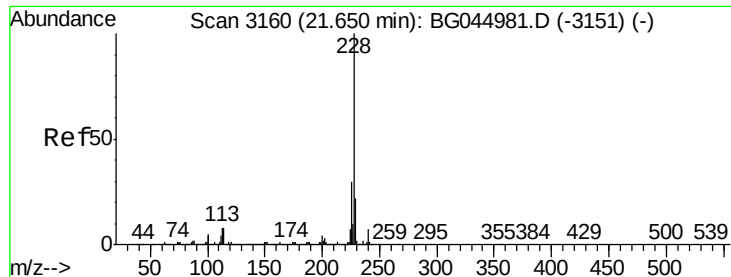
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10





#81

Benzo(a)anthracene

Concen: 14.471 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampleId :

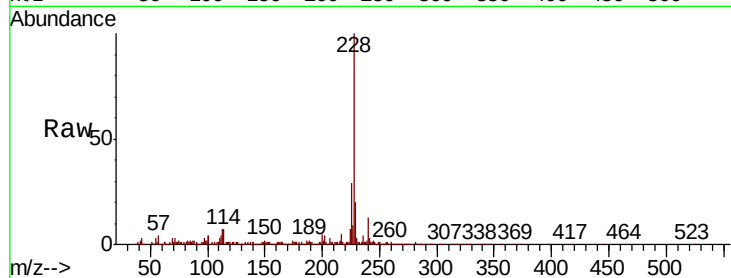
Tot Ion:228 Resp: 398430

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	20.5	17.5	26.3

228 100

226 29.2 24.0 36.0

229 20.5 17.5 26.3

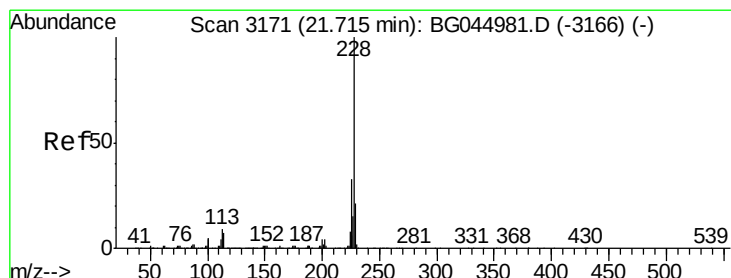
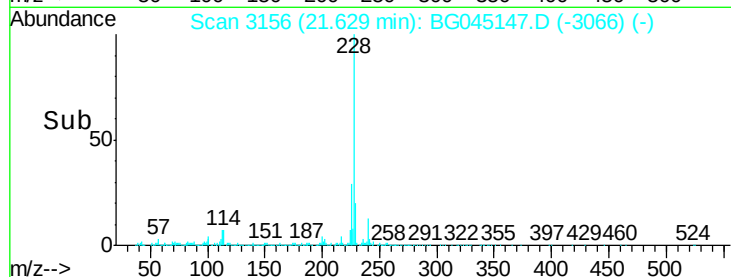
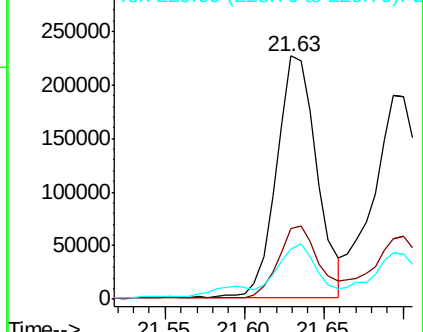


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 14.311 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

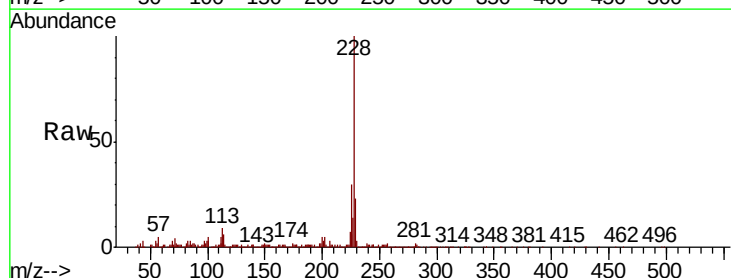
Tgt Ion:228 Resp: 378599

Ion	Ratio	Lower	Upper
228	100		
226	29.7	26.2	39.4
229	22.7	17.0	25.6

228 100

226 29.7 26.2 39.4

229 22.7 17.0 25.6

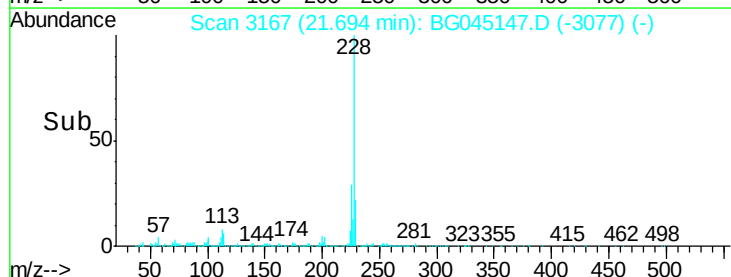
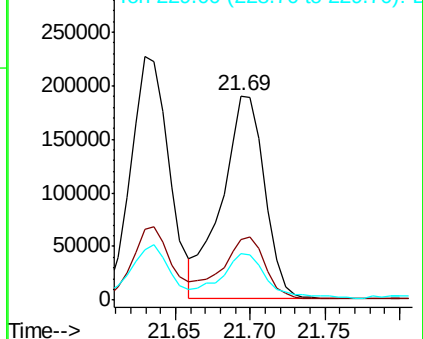


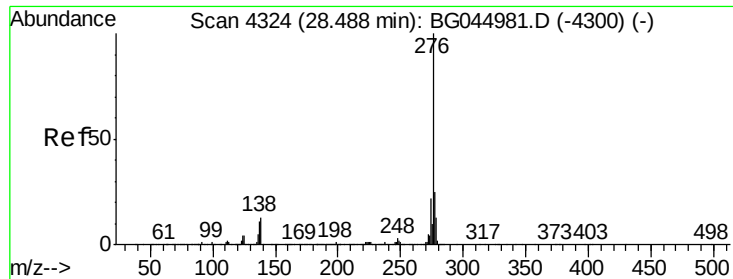
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

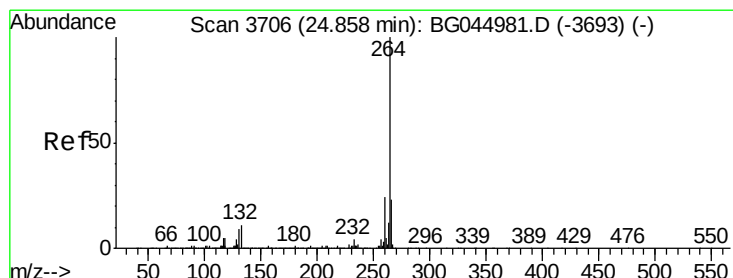
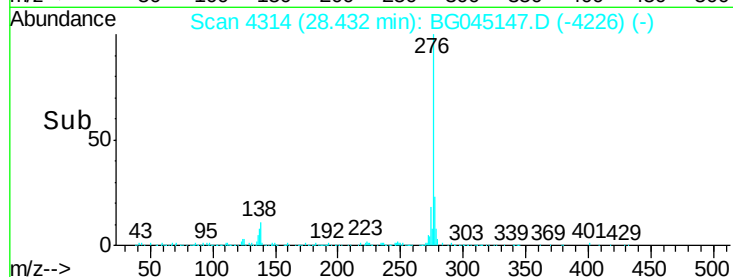
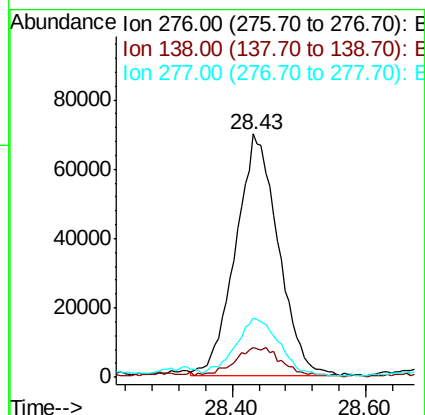
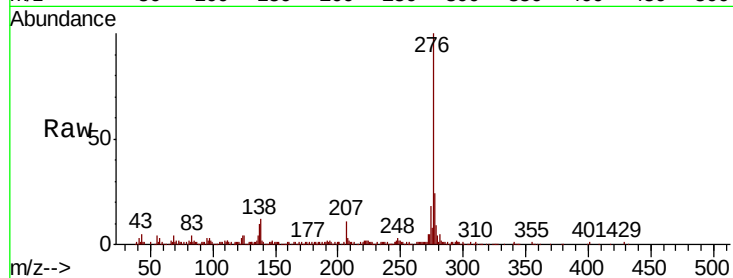




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.736 ng
RT: 28.43 min Scan# 4314
Delta R.T. -0.02 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

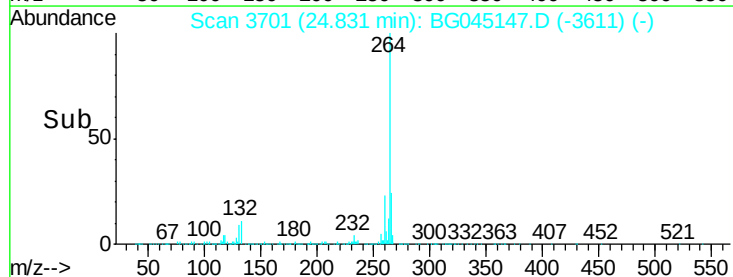
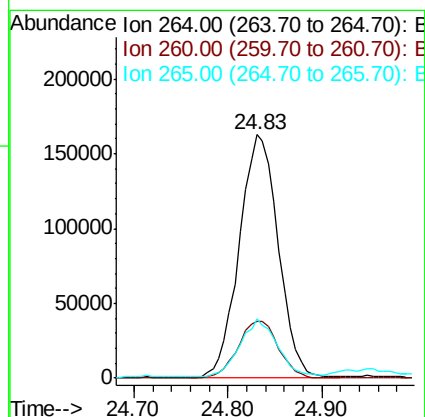
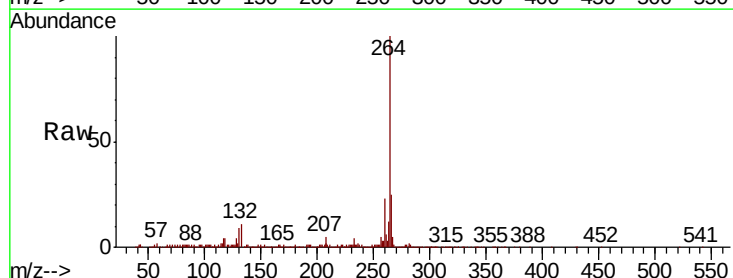
Instrument :
BNA_G
ClientSampleId :

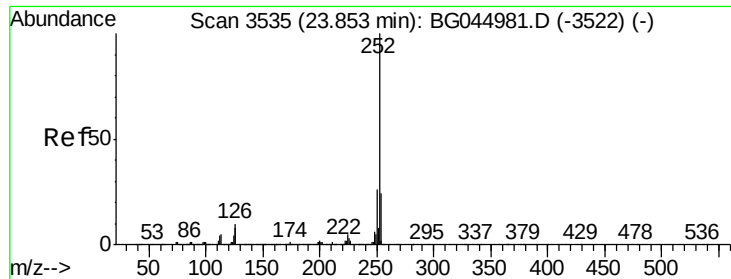
Tot Ion:276 Resp: 306834
Ion Ratio Lower Upper
276 100
138 12.1 9.6 14.4
277 24.8 20.6 31.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3701
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion:264 Resp: 463012
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 24.6 19.0 28.4

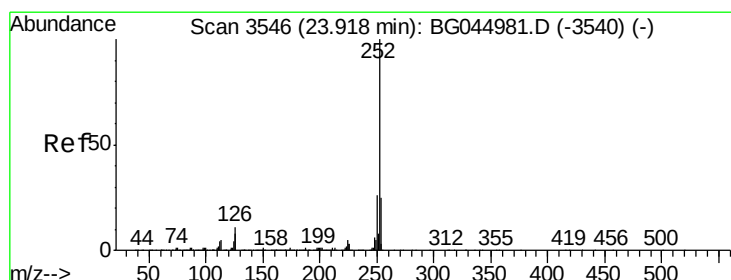
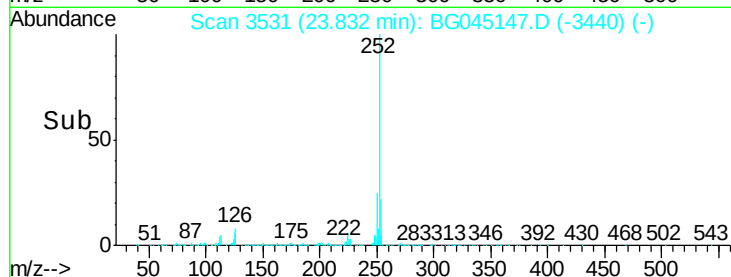
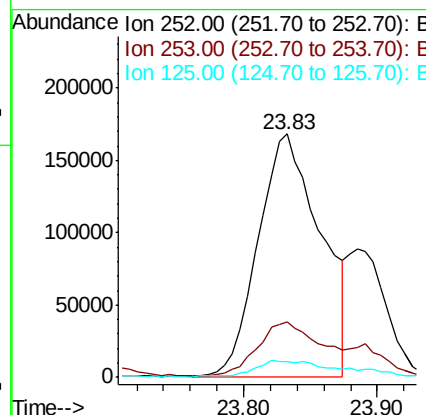
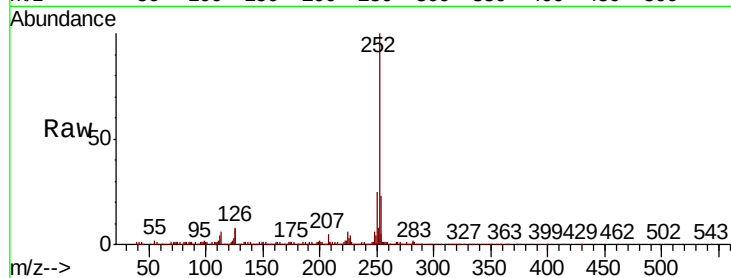




#88
Benzo(b)fluoranthene
Concen: 18.751 ng
RT: 23.83 min Scan# 3531
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

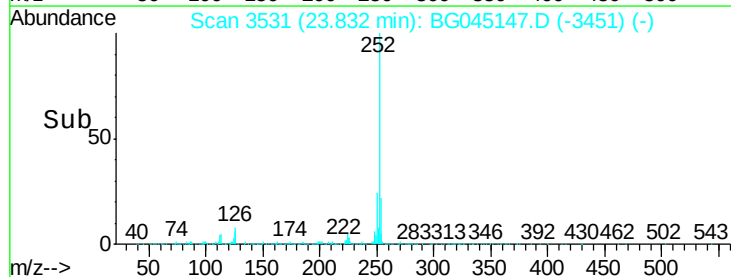
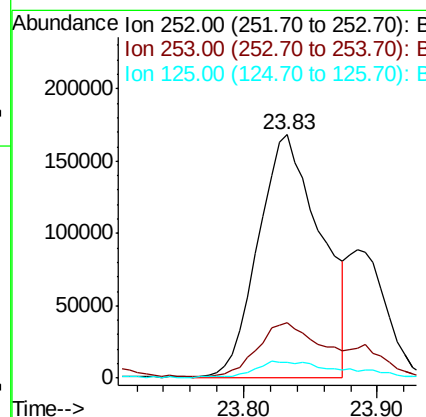
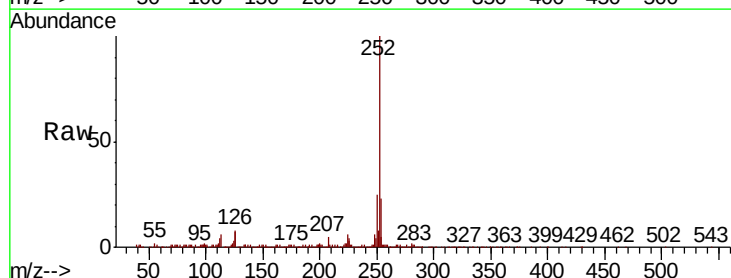
Instrument :
BNA_G
ClientSampleId :

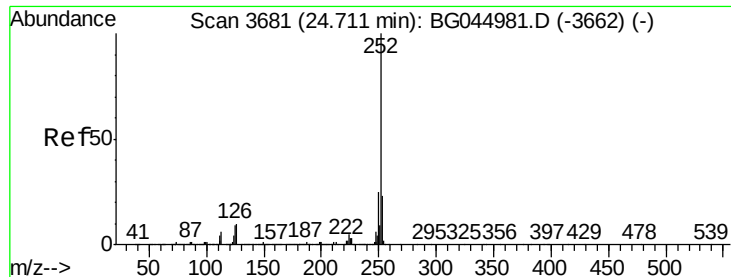
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.8	28.2
125	6.7	6.2	9.4



#89
Benzo(k)fluoranthene
Concen: 19.717 ng
RT: 23.83 min Scan# 3531
Delta R.T. -0.06 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.2	28.8
125	6.7	5.9	8.9





#90

Benzo(a)pyrene

Concen: 15.891 ng

RT: 24.68 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampleId :

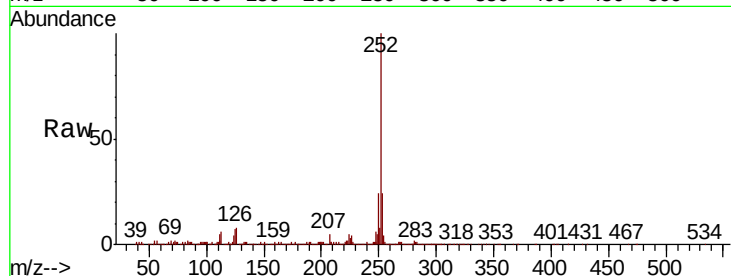
Tot Ion:252 Resp: 435135

Ion Ratio Lower Upper

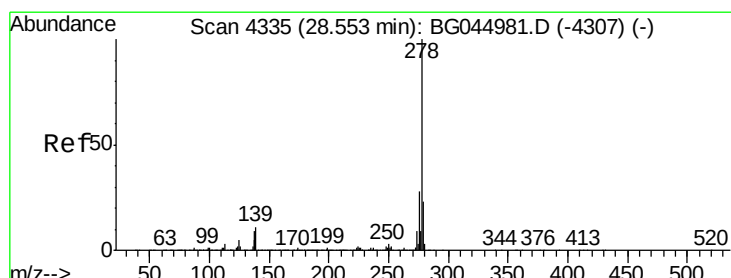
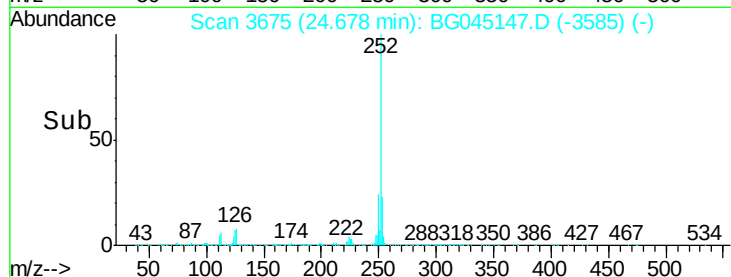
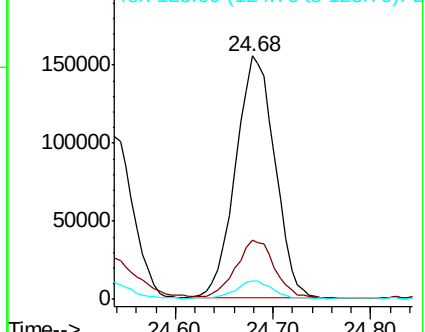
252 100

253 24.2 18.3 27.5

125 7.3 7.0 10.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.833 ng

RT: 28.48 min Scan# 4322

Delta R.T. -0.02 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

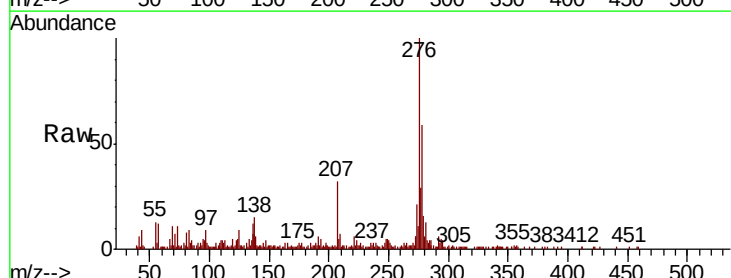
Tgt Ion:278 Resp: 78164

Ion Ratio Lower Upper

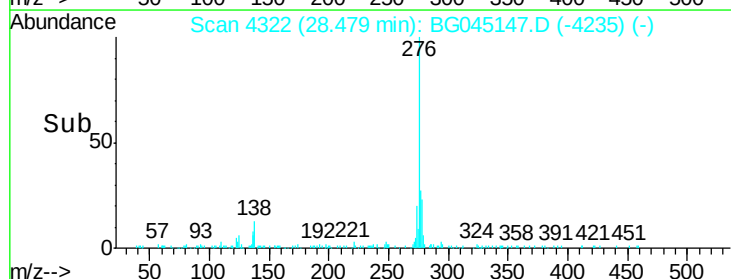
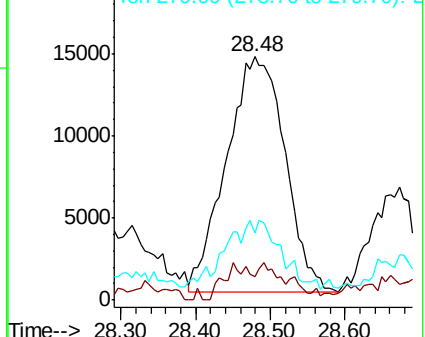
278 100

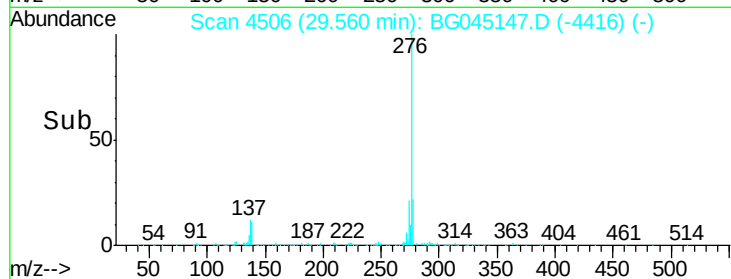
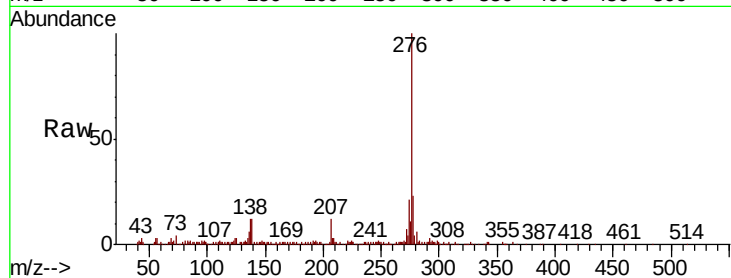
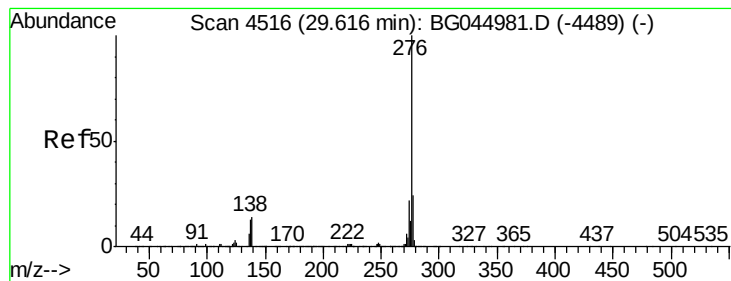
139 9.6 9.0 13.6

279 27.5 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.243 ng

RT: 29.56 min Scan# 4506

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 311010

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

276	100		
-----	-----	--	--

277	23.0	19.3	28.9
-----	------	------	------

138	11.6	11.4	17.2
-----	------	------	------

