

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042220\
 Data File : BG045135.D
 Acq On : 22 Apr 2020 20:47
 Operator : CG/JU
 Sample : L2327-33
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 23 02:19:17 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 22 12:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	96434	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	391618	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	267803	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	565563	20.00	ng	0.00
76) Chrysene-d12	21.66	240	503275	20.00	ng	0.00
87) Perylene-d12	24.85	264	537857	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	531723	91.03	ng	0.00
7) Phenol-d6	7.18	99	809836	93.32	ng	0.00
23) Nitrobenzene-d5	9.17	82	560564	65.31	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	387008	93.54	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1295112	70.91	ng	0.00
79) Terphenyl-d14	20.01	244	1748528	75.72	ng	0.00

Target Compounds

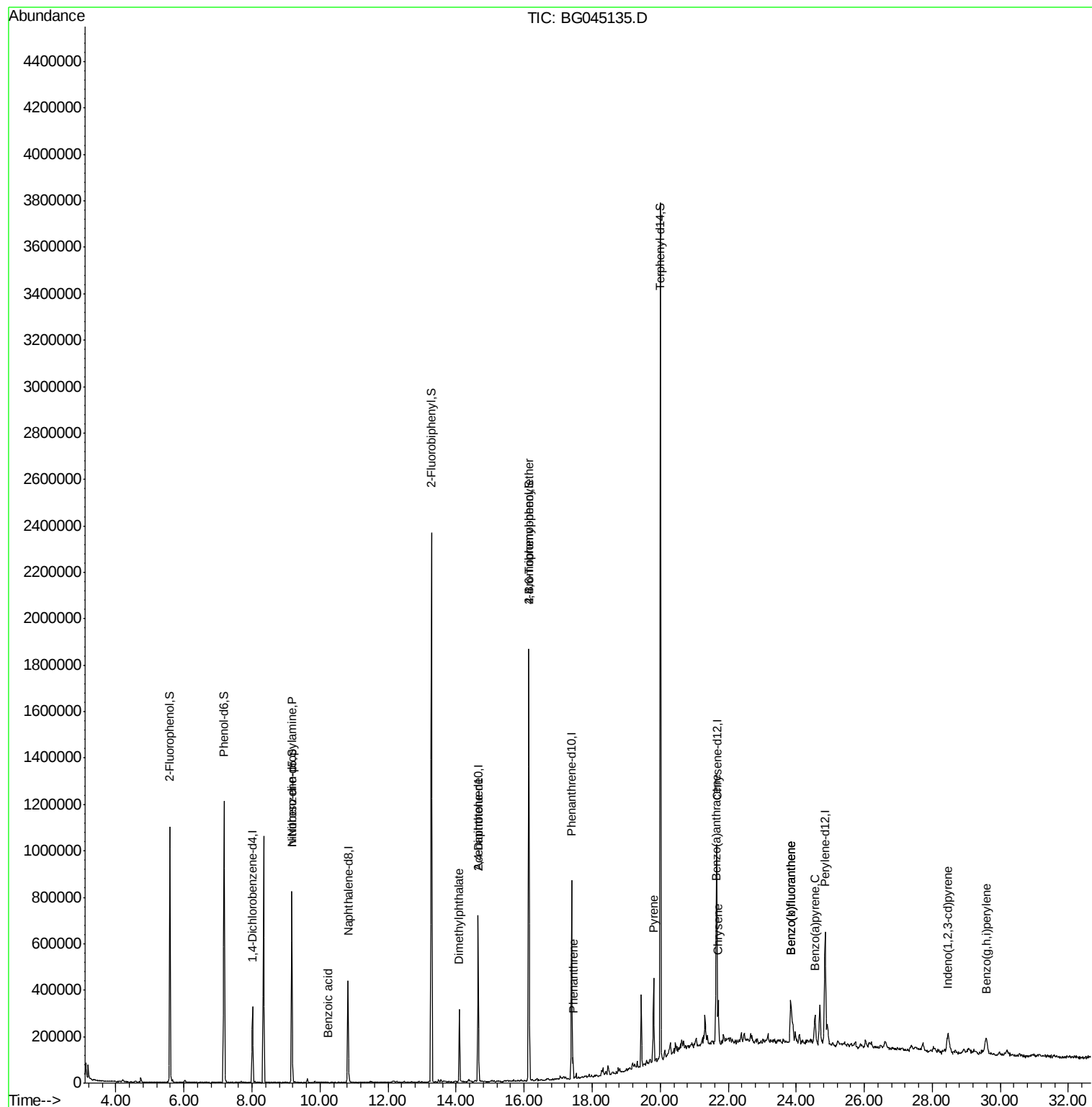
						Qvalue
9) Benzaldehyde	7.13	77	311	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.17	70	75773	12.346 ng	#	82
32) Benzoic acid	10.23	122	59	6.384 ng	#	2
50) Dimethylphthalate	14.10	163	208880	9.579 ng		99
57) 2,4-Dinitrotoluene	14.65	165	35422	4.970 ng	#	24
67) 4-Bromophenyl-phenylether	16.14	248	26586	3.644 ng	#	1
69) Atrazine	16.94	200	65	Below Cal	#	1
71) Phenanthrene	17.44	178	60641	2.087 ng		99
74) Di-n-butylphthalate	18.36	149	1268	Below Cal	#	46
75) Fluoranthene	19.45	202	206706	Below Cal		98
77) Benzidine	20.01	184	35759	Below Cal	#	89
78) Pyrene	19.81	202	241692	6.966 ng		95
81) Benzo(a)anthracene	21.64	228	146719	4.498 ng		97
83) Chrysene	21.70	228	141778	4.524 ng		99
86) Indeno(1,2,3-cd)pyrene	28.47	276	151503	3.641 ng		99
88) Benzo(b)fluoranthene	23.84	252	242834	7.208 ng		97
89) Benzo(k)fluoranthene	23.84	252	242834	7.579 ng		97
90) Benzo(a)pyrene	24.55	252	145550	4.576 ng		97
92) Benzo(a,h,i)perylene	29.58	276	174431	5.428 ng		97

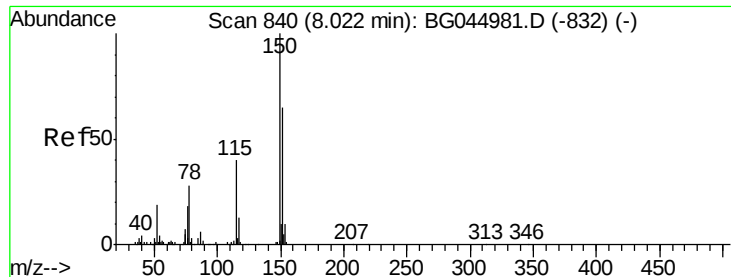
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampled :

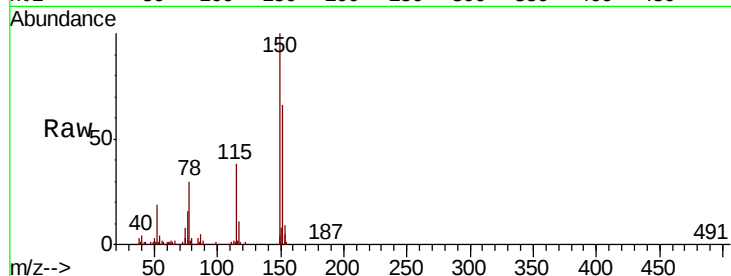
Tot Ion:152 Resp: 96434

Ion Ratio Lower Upper

152 100

150 151.3 123.6 185.4

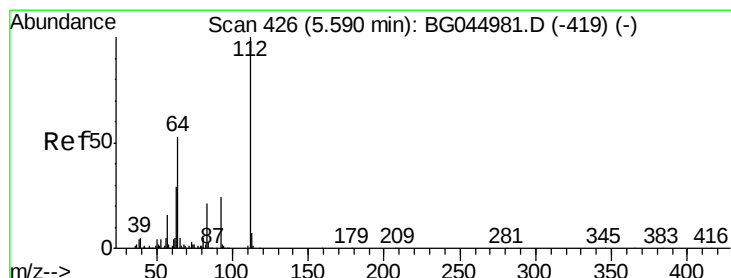
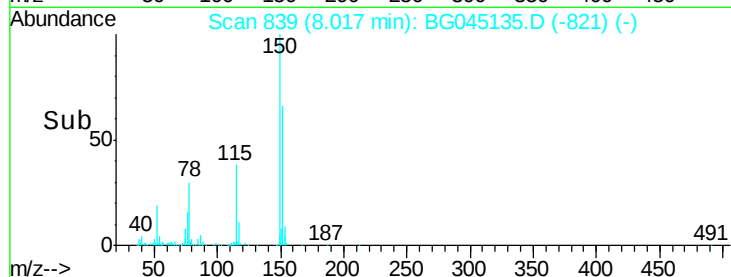
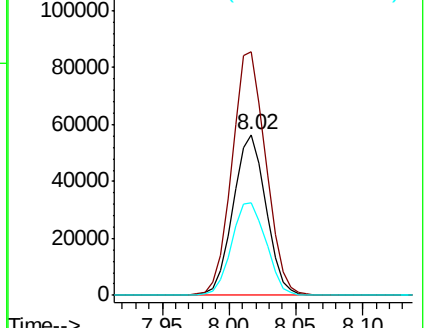
115 57.2 49.1 73.7



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: 91.031 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

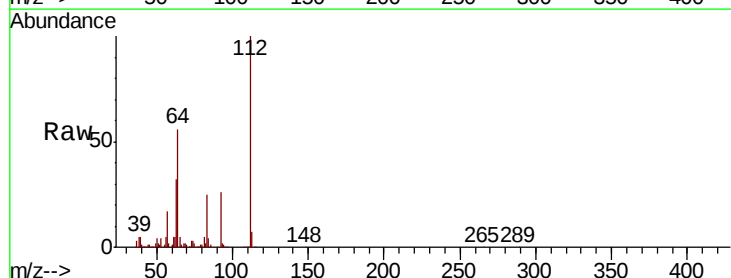
Tgt Ion:112 Resp: 531723

Ion Ratio Lower Upper

112 100

64 56.0 42.4 63.6

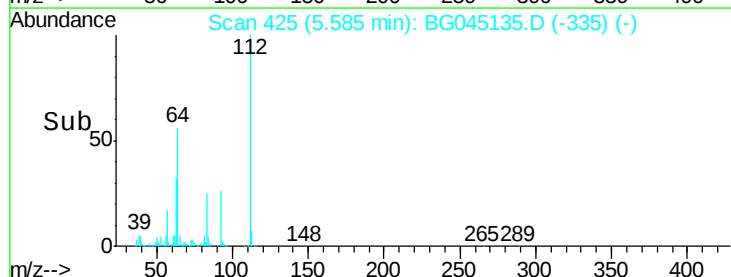
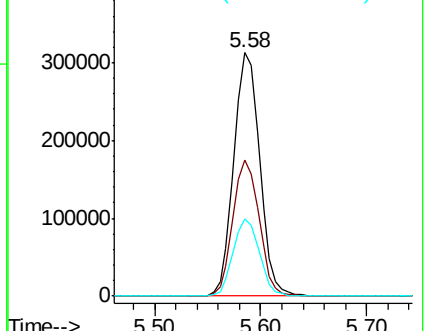
63 31.8 23.1 34.7

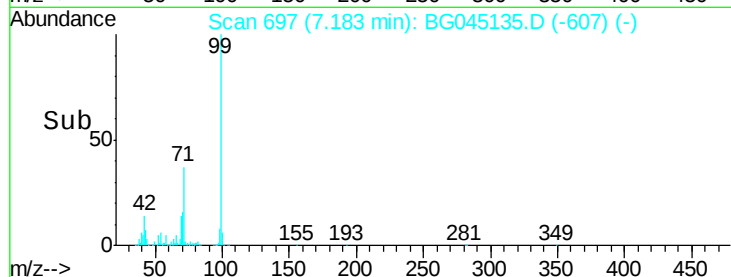
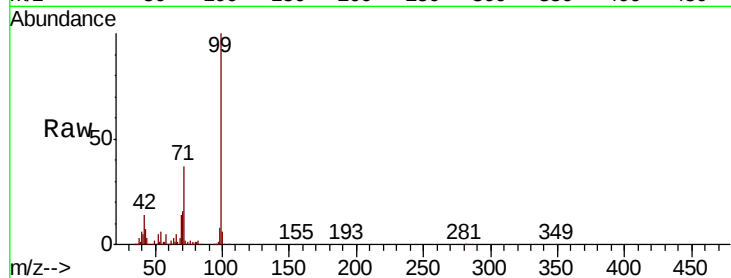
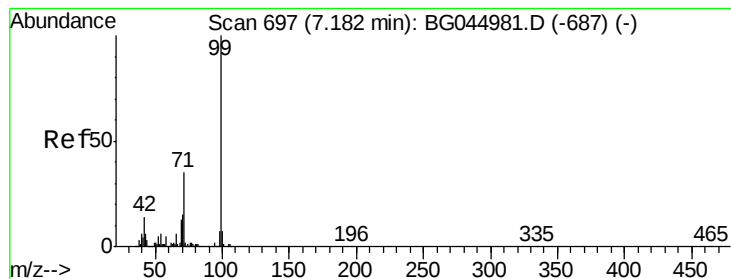


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 93.316 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampleId :

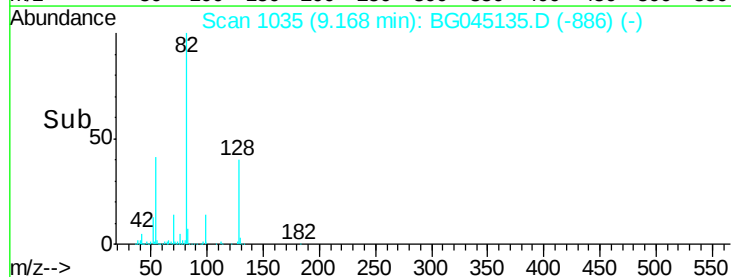
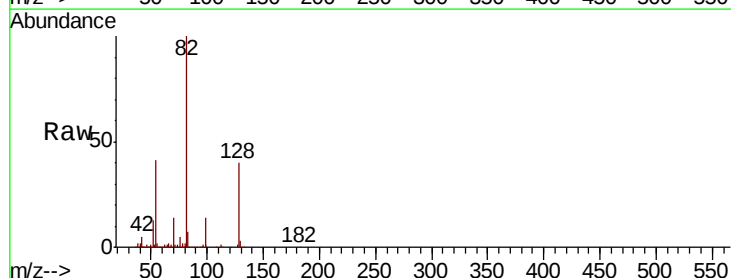
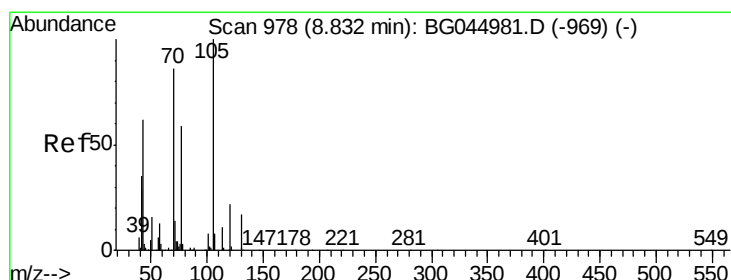
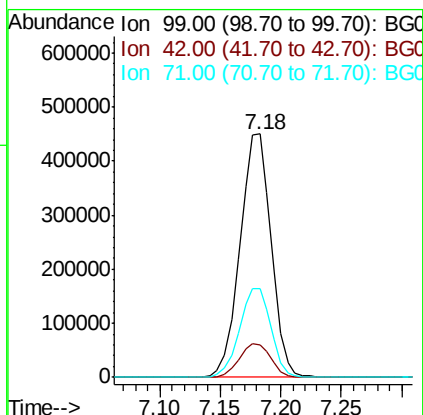
Tot Ion: 99 Resp: 809836

Ion Ratio Lower Upper

99 100

42 13.5 11.3 16.9

71 36.6 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.346 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.34 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Tgt Ion: 70 Resp: 75773

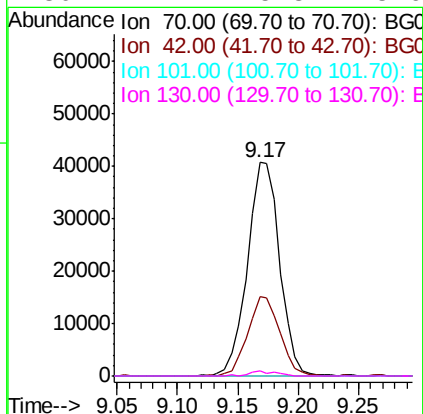
Ion Ratio Lower Upper

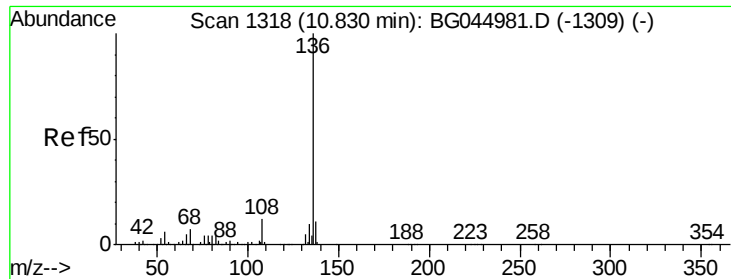
70 100

42 37.3 33.3 49.9

101 0.0 7.8 11.8#

130 2.2 15.8 23.6#

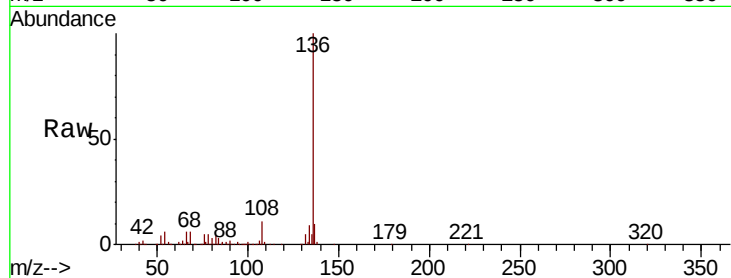




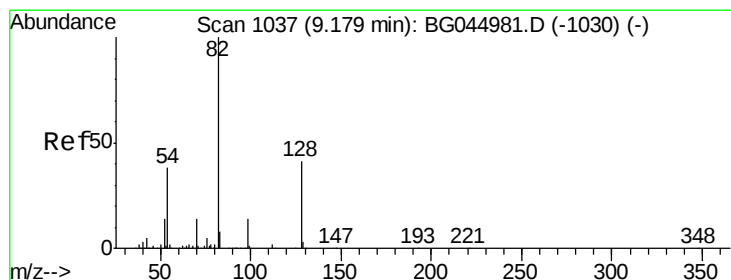
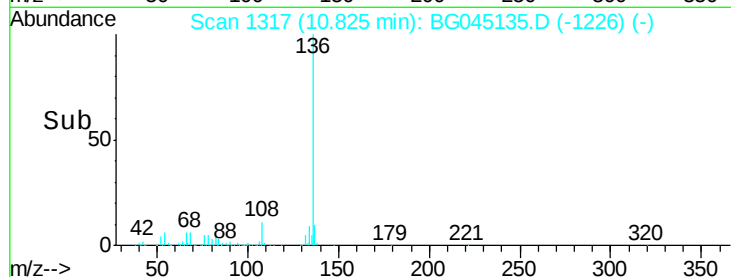
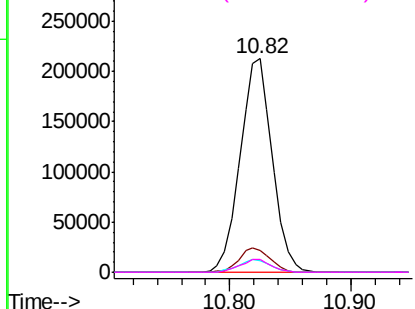
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	391618
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.6 13.0
54	5.6	4.8 7.2
68	5.8	5.2 7.8

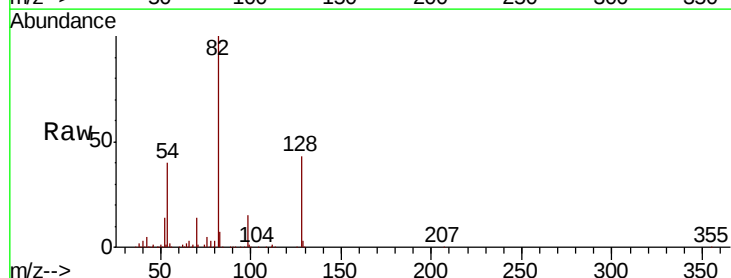


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

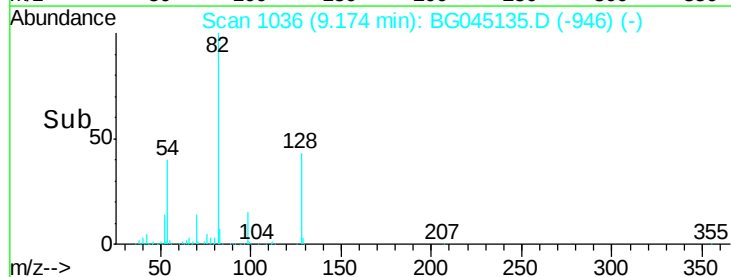
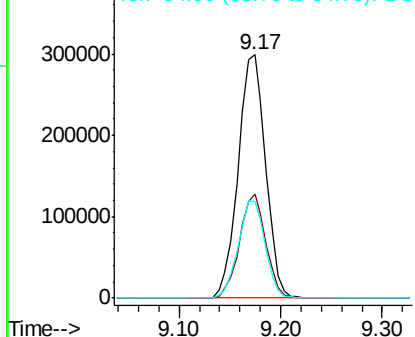


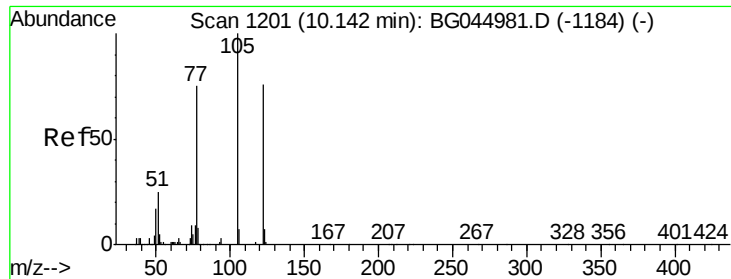
#23
Nitrobenzene-d5
Concen: 65.313 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Tgt Ion: 82	Resp:	560564
Ion	Ratio	Lower Upper
82	100	
128	42.6	33.0 49.4
54	39.8	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

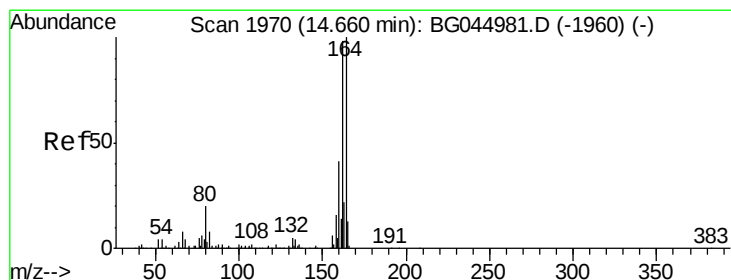
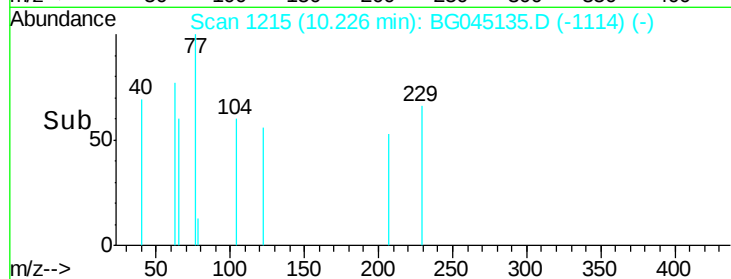
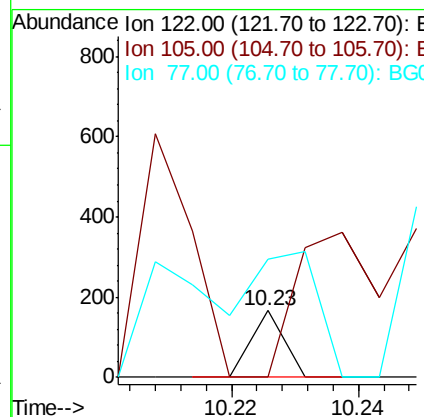
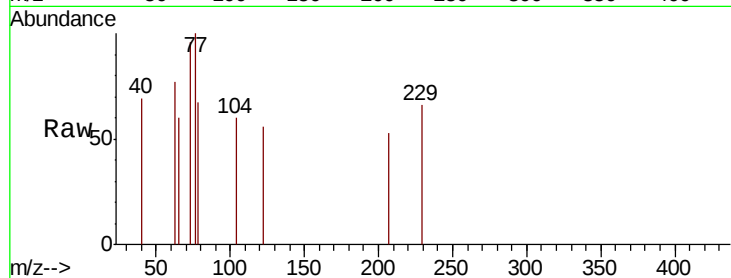




#32
Benzoic acid
Concen: 6.384 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.06 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

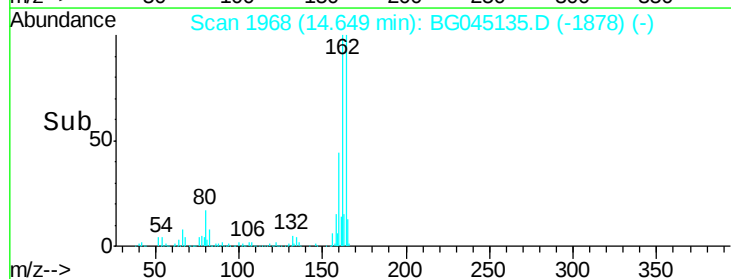
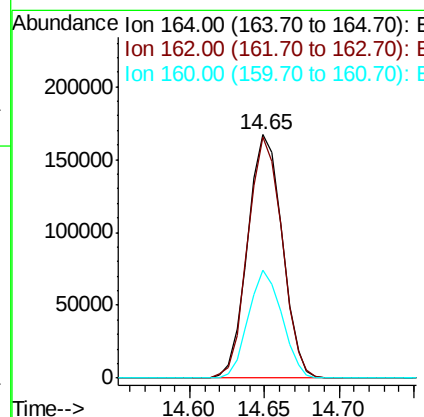
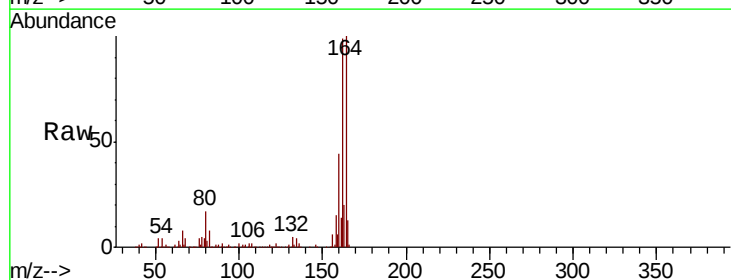
Instrument :
BNA_G
ClientSampleId :

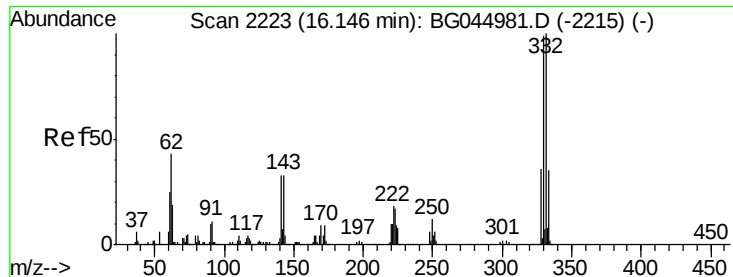
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	178.3	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	78.7	118.1
160	44.1	32.8	49.2

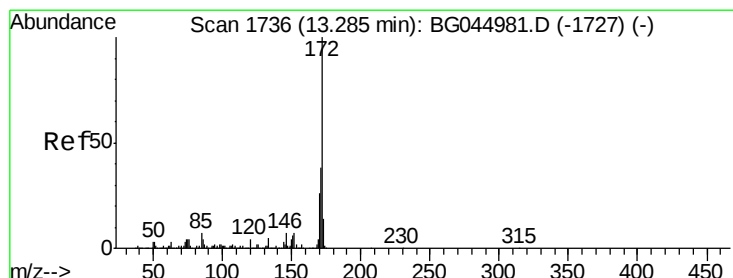
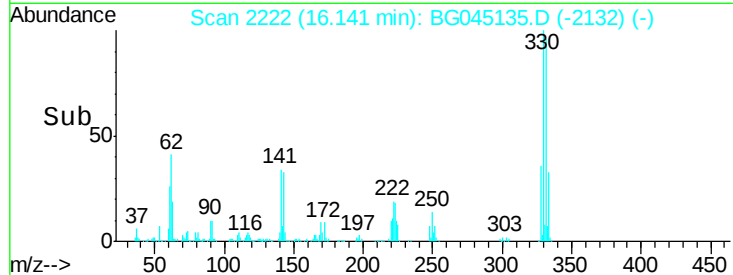
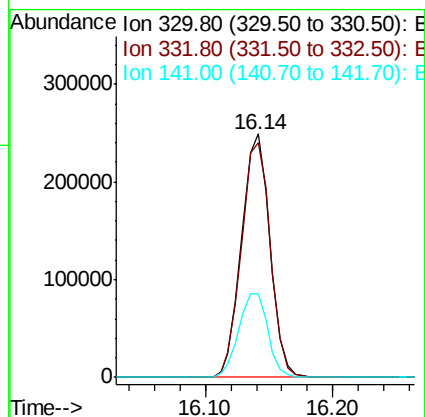
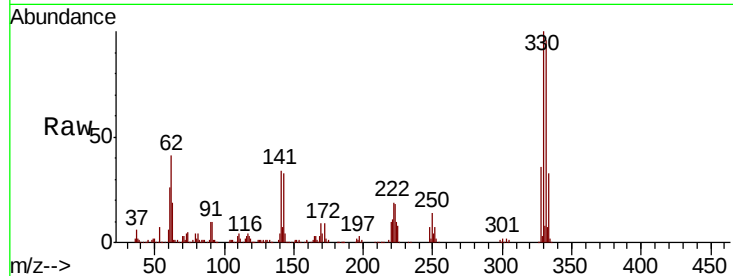




#42
 2,4,6-Tribromophenol
 Concen: 93.543 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045135.D
 Acq: 22 Apr 2020 20:47

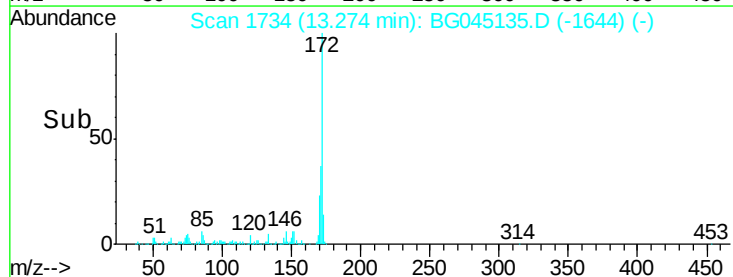
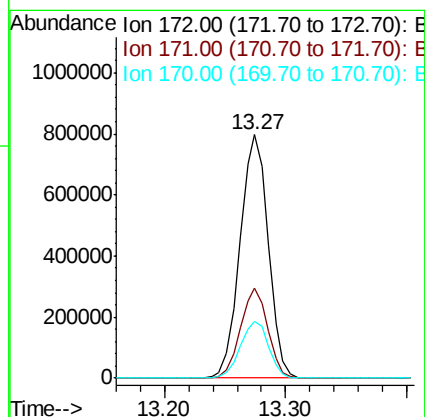
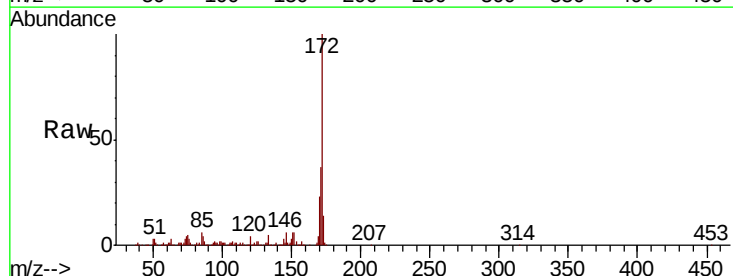
Instrument :
 BNA_G
 ClientSampleId :

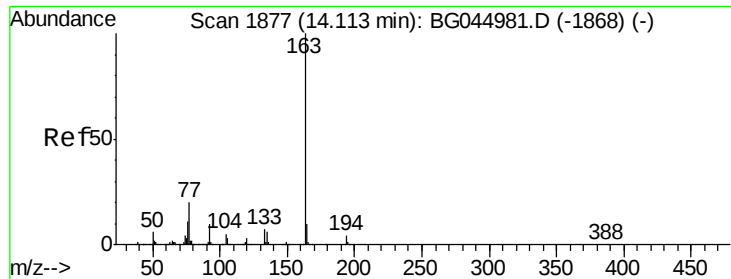
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	79.1	118.7
141	35.4	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 70.912 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG045135.D
 Acq: 22 Apr 2020 20:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	46.0
170	23.5	20.5	30.7

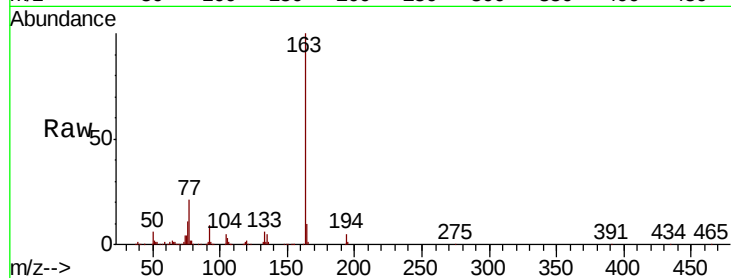




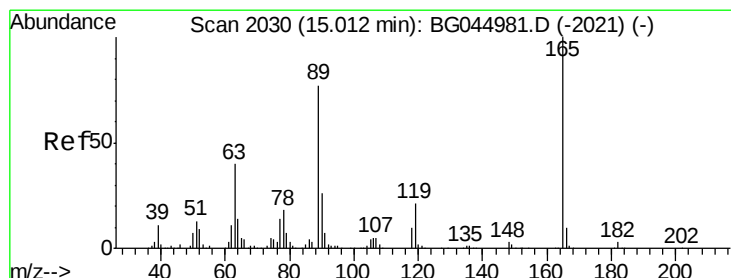
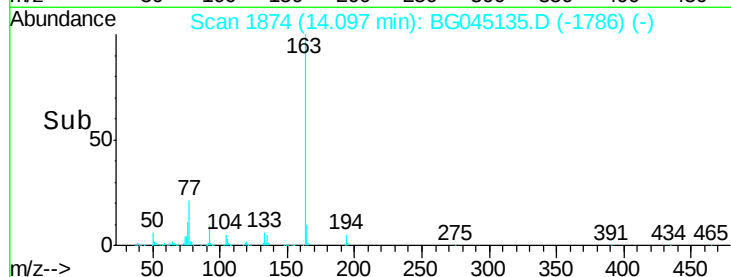
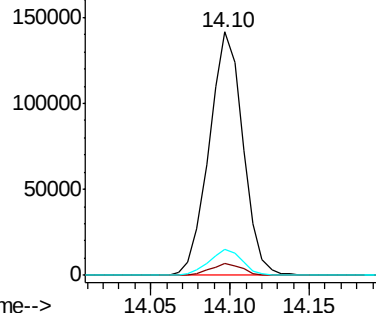
#50
Dimethylphthalate
Concen: 9.579 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	10.5	8.2	12.4

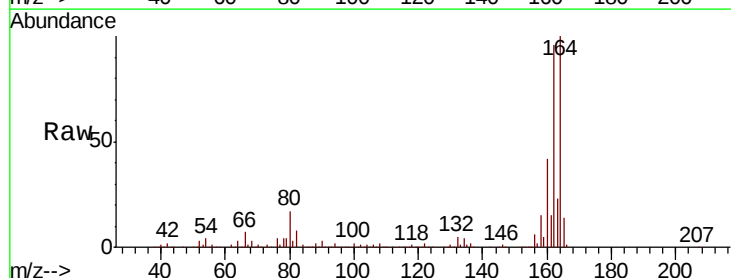


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

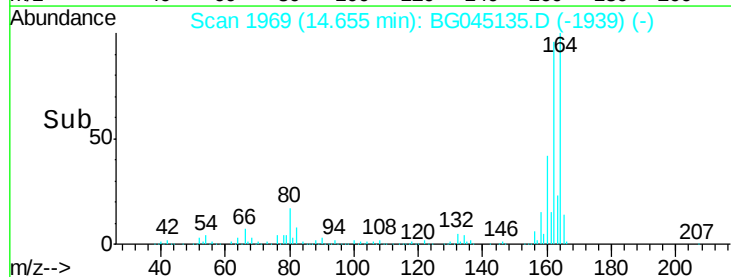
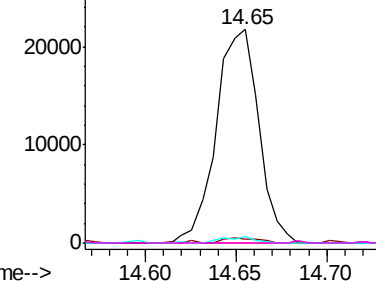


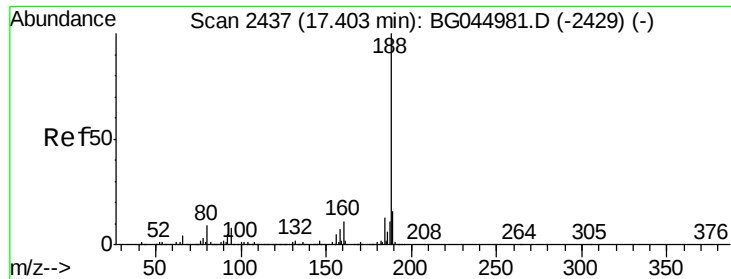
#57
2,4-Dinitrotoluene
Concen: 4.970 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.35 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.2	48.2#
89	2.9	61.7	92.5#
182	0.0	2.0	3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampled :

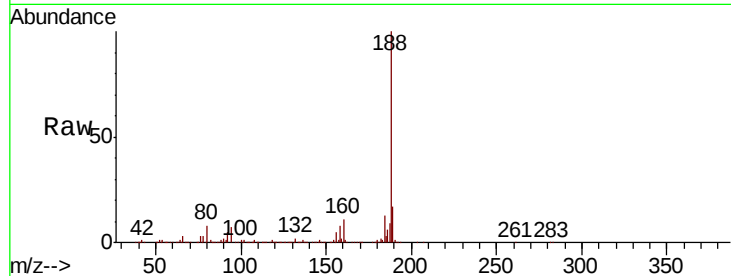
Tot Ion:188 Resp: 565563

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

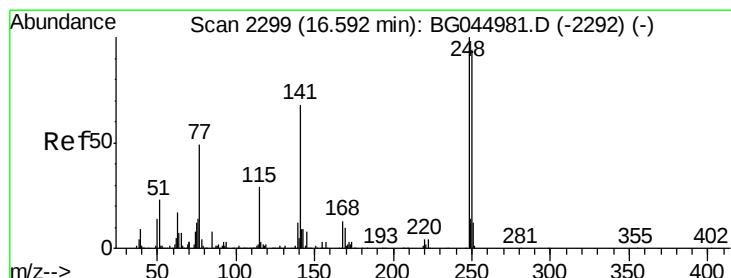
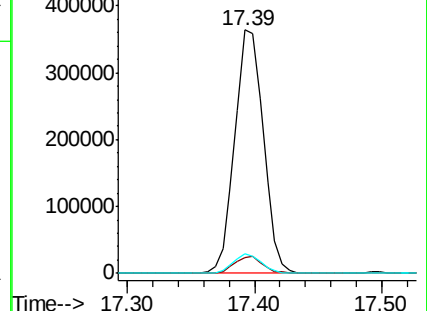
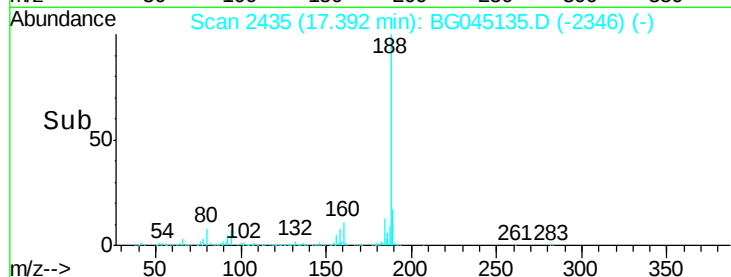
80 7.9 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.644 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

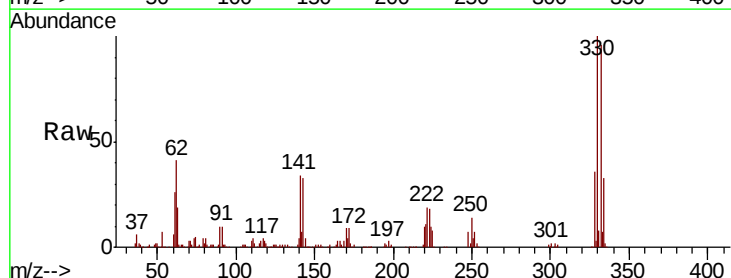
Tgt Ion:248 Resp: 26586

Ion Ratio Lower Upper

248 100

250 197.8 75.4 113.2#

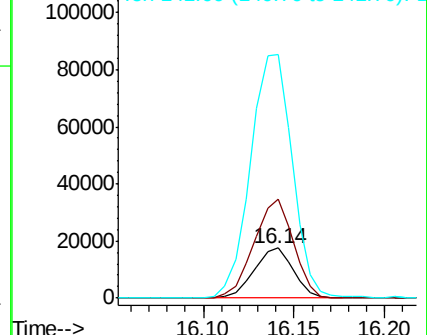
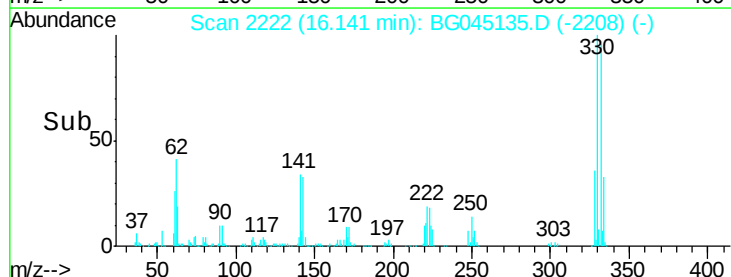
141 487.4 54.4 81.6#

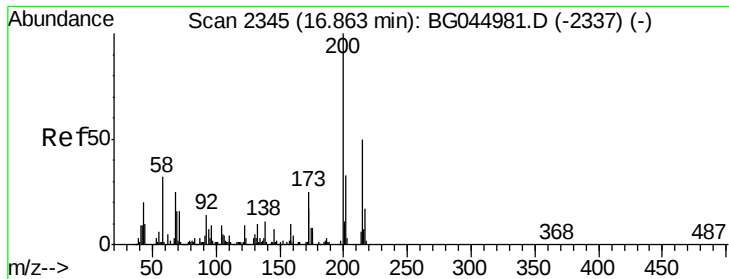


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.94 min Scan# 2358

Delta R.T. 0.08 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampled :

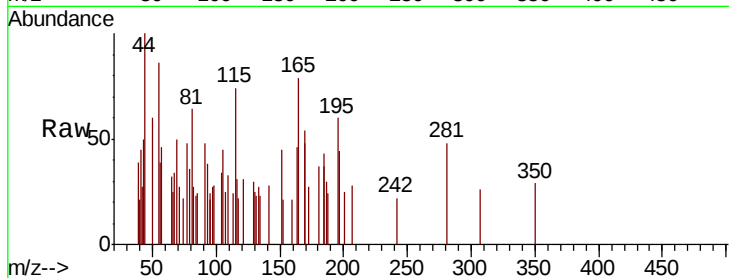
Tot Ion:200 Resp: 65

Ion Ratio Lower Upper

200 100

173 106.5 4.5 44.5#

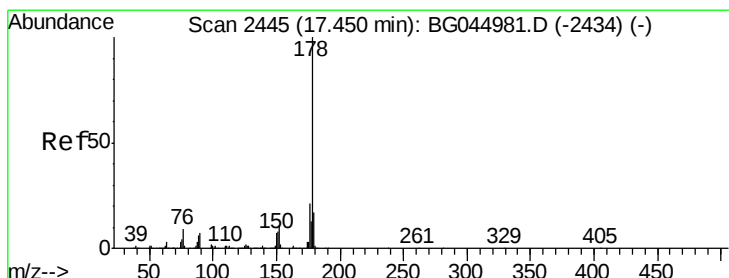
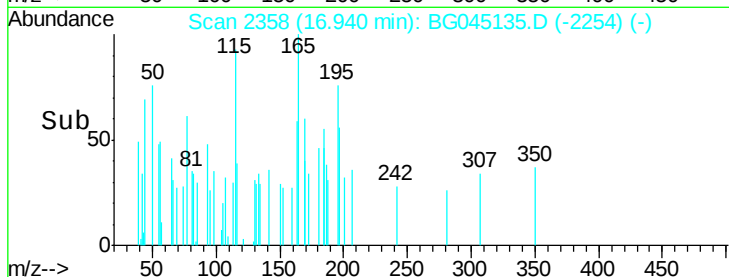
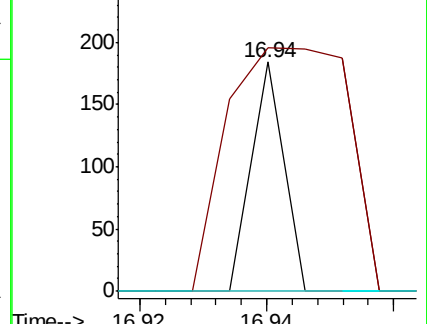
215 0.0 30.0 70.0#



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



#71

Phenanthrene

Concen: 2.087 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

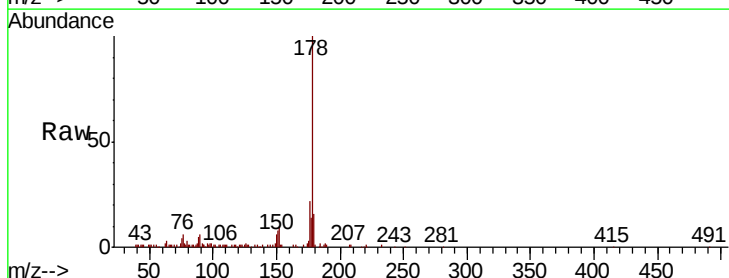
Tgt Ion:178 Resp: 60641

Ion Ratio Lower Upper

178 100

176 21.5 16.8 25.2

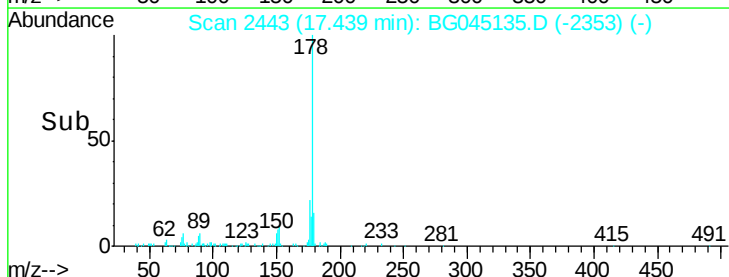
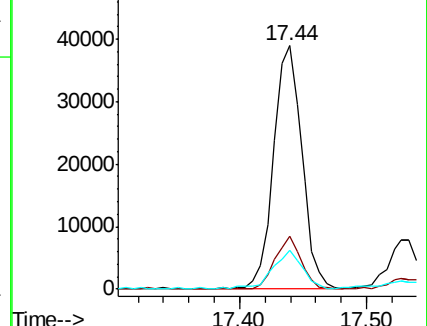
179 15.9 13.2 19.8

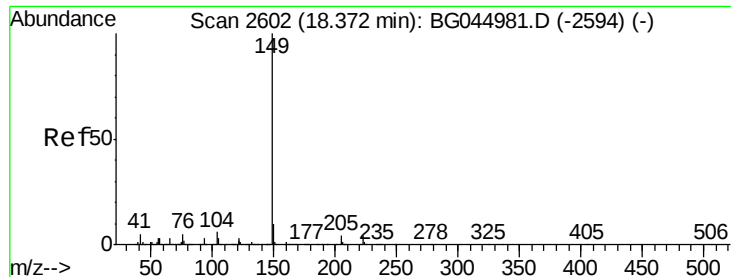


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

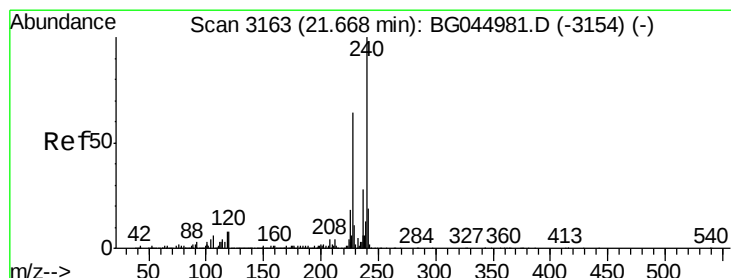
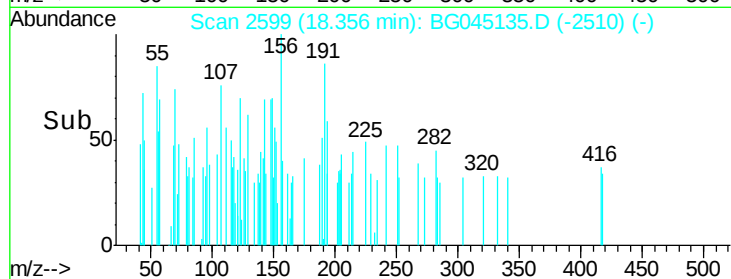
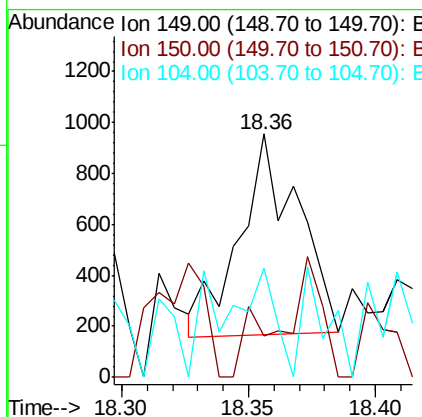
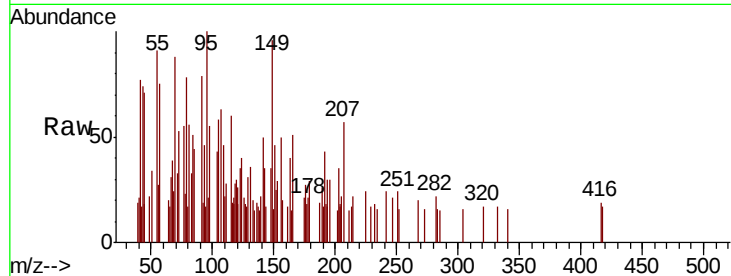




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

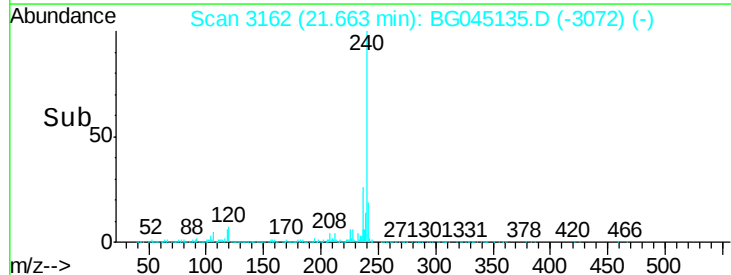
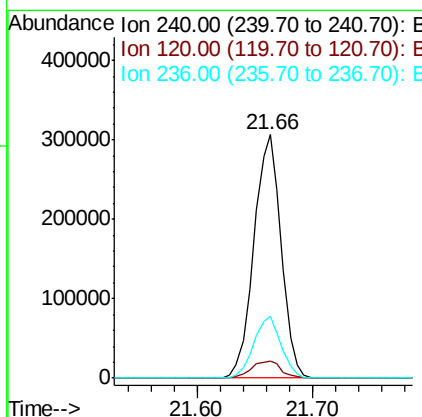
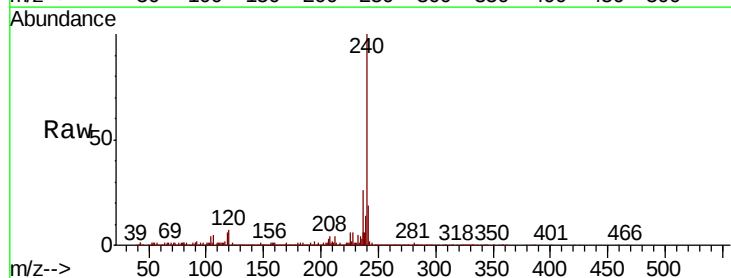
Instrument :
BNA_G
ClientSampleId :

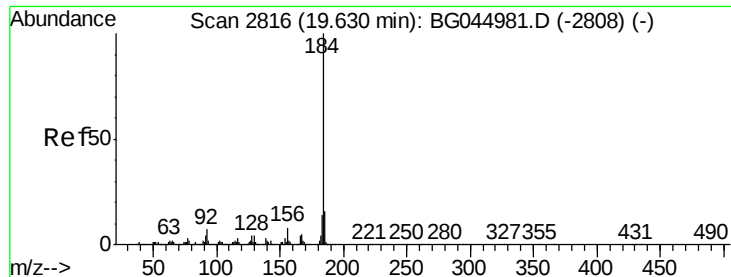
Tot Ion:149 Resp: 1268
Ion Ratio Lower Upper
149 100
150 17.2 8.2 12.2#
104 44.7 4.8 7.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Tgt Ion:240 Resp: 503275
Ion Ratio Lower Upper
240 100
120 7.0 6.6 10.0
236 25.7 22.2 33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2880

Delta R.T. 0.39 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampleId :

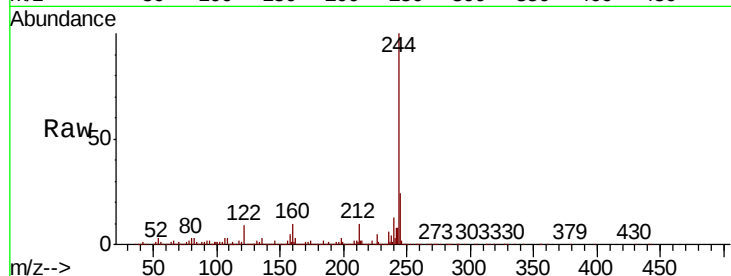
Tot Ion:184 Resp: 35759

Ion Ratio Lower Upper

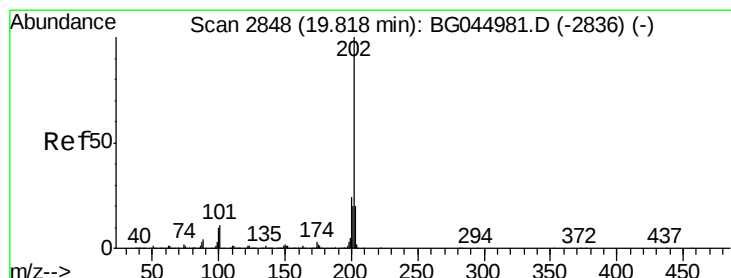
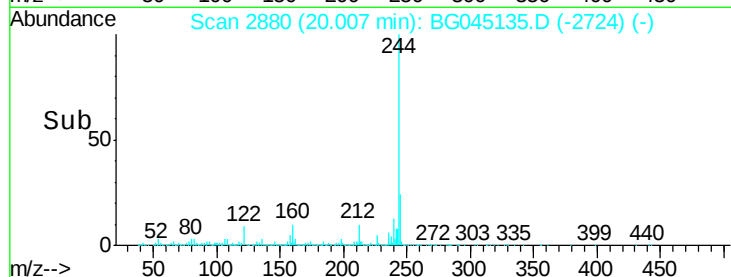
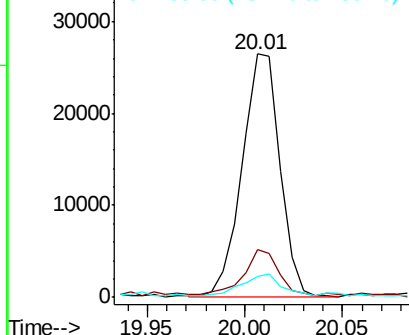
184 100

185 19.6 12.6 19.0#

183 8.8 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: 6.966 ng

RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

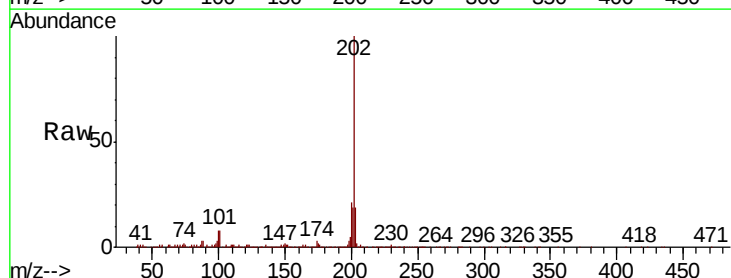
Tgt Ion:202 Resp: 241692

Ion Ratio Lower Upper

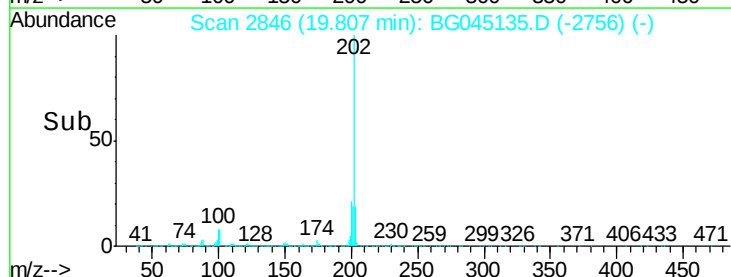
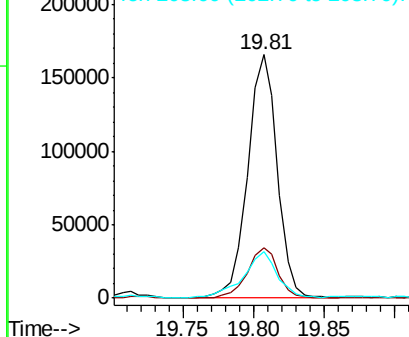
202 100

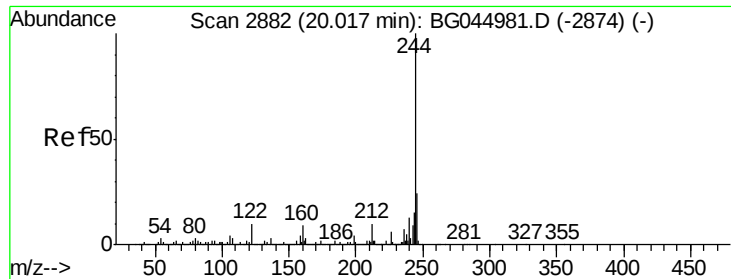
200 20.7 19.0 28.6

203 19.0 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: 75.725 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampleId :

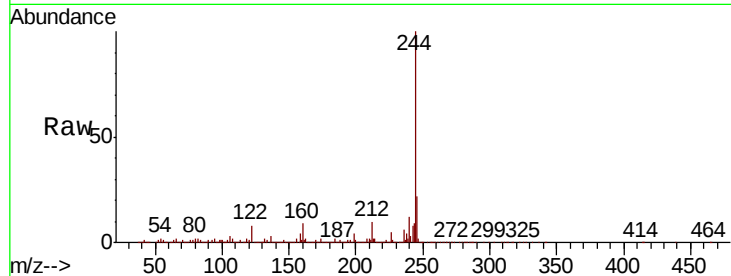
Tot Ion:244 Resp: 1748528

Ion Ratio Lower Upper

244 100

212 9.5 7.9 11.9

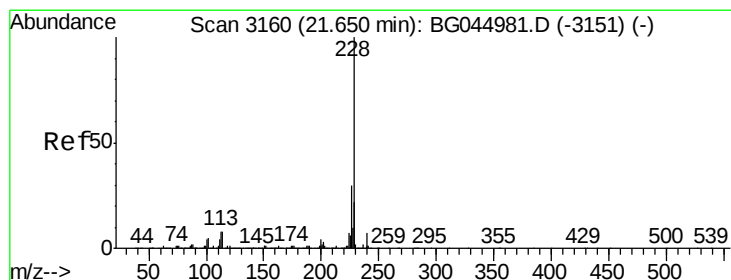
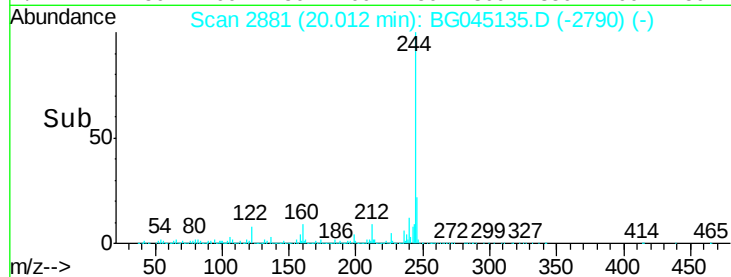
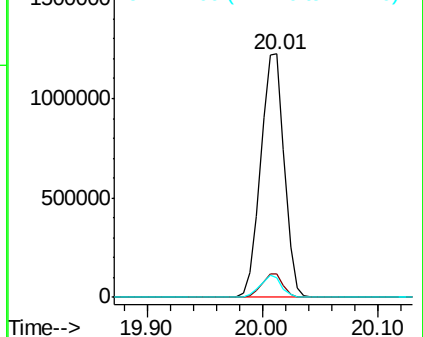
122 8.1 7.7 11.5



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



#81

Benzo(a)anthracene

Concen: 4.498 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

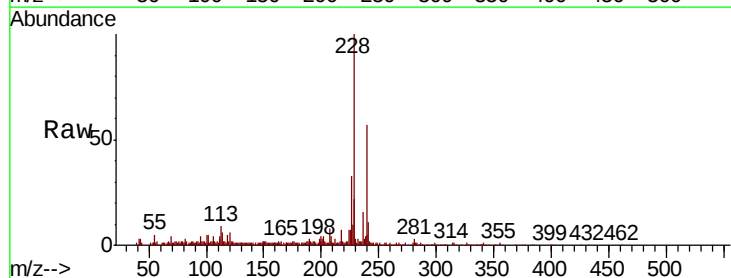
Tgt Ion:228 Resp: 146719

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

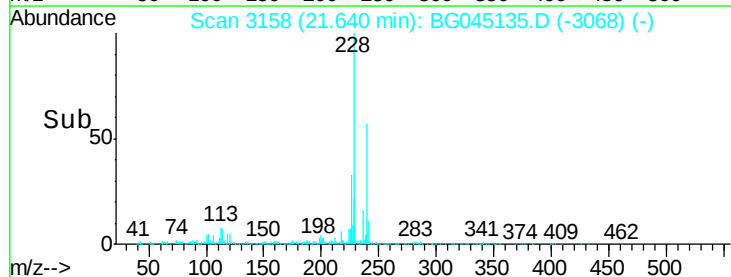
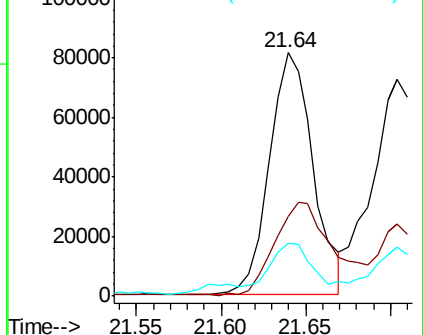
229 21.8 17.5 26.3

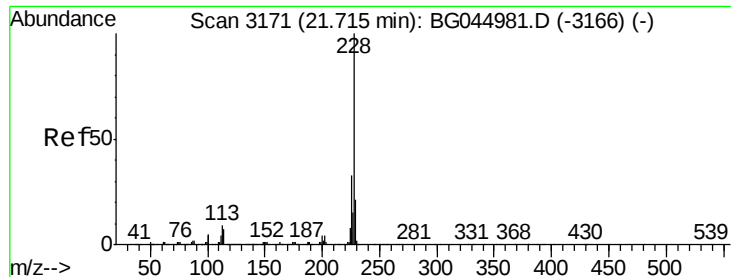


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.524 ng

RT: 21.70 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

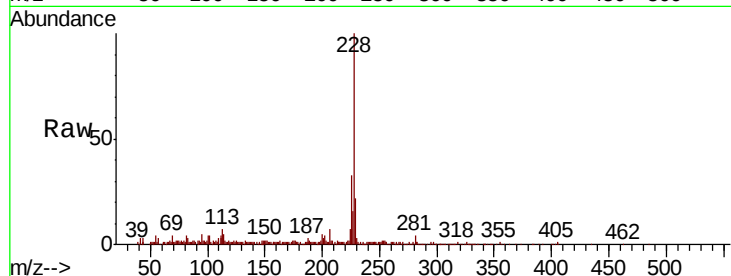
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 141778

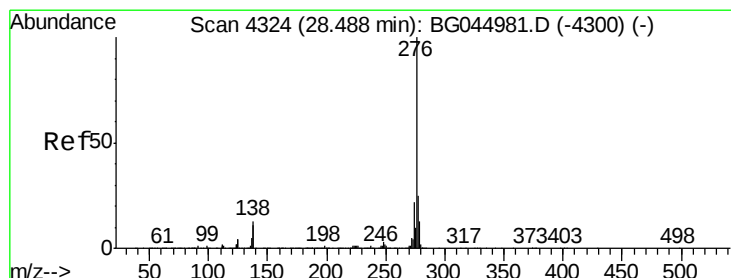
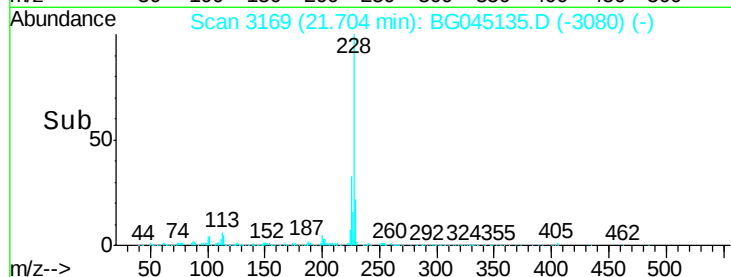
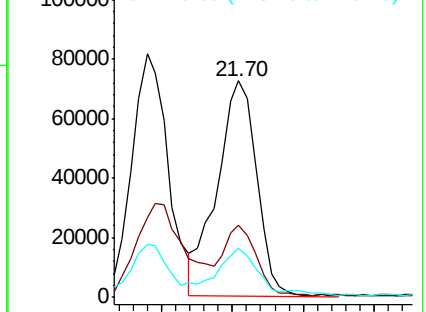
Ion	Ratio	Lower	Upper
228	100		
226	33.1	26.2	39.4
229	22.4	17.0	25.6



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: 3.641 ng

RT: 28.47 min Scan# 4320

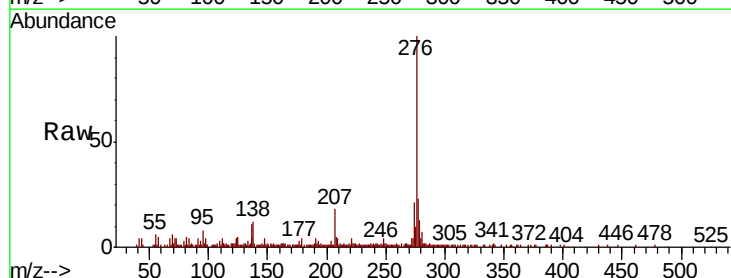
Delta R.T. -0.01 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Tgt Ion:276 Resp: 151503

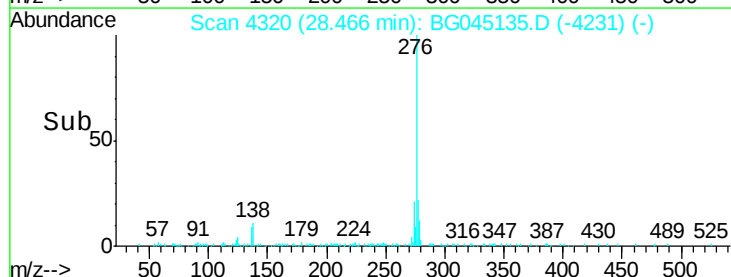
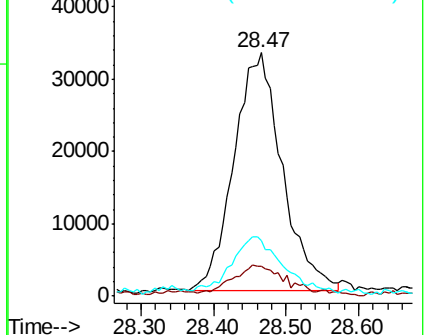
Ion	Ratio	Lower	Upper
276	100		
138	12.0	9.6	14.4
277	25.4	20.6	31.0

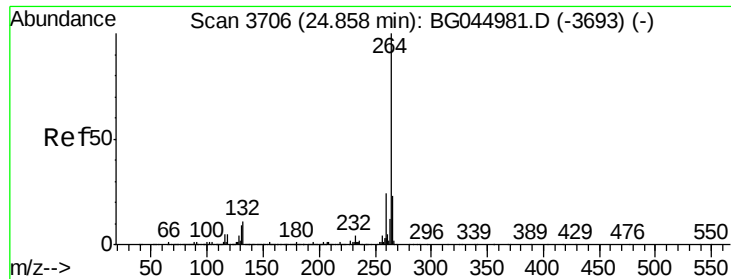


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

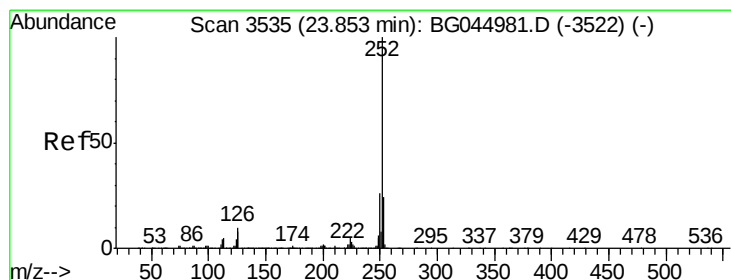
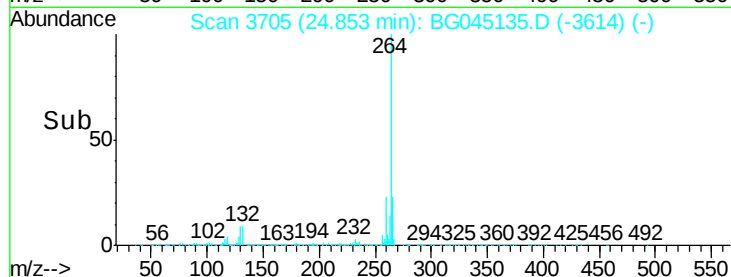
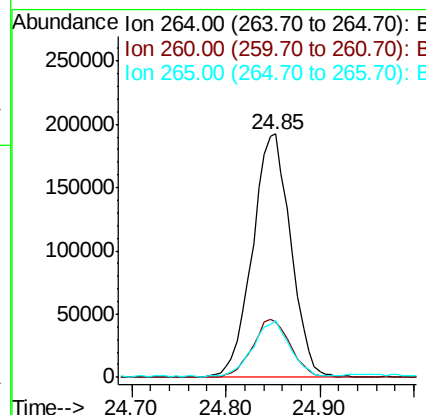
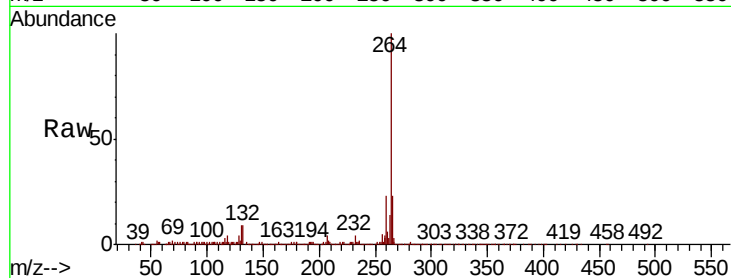




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3705
Delta R.T. 0.00 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

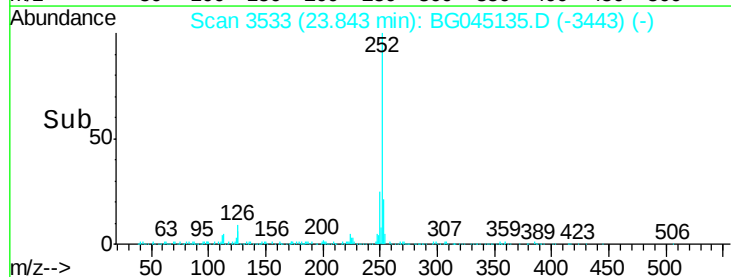
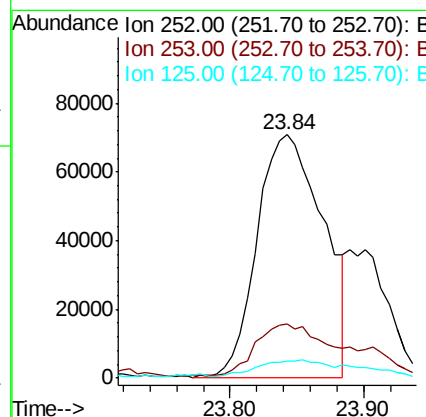
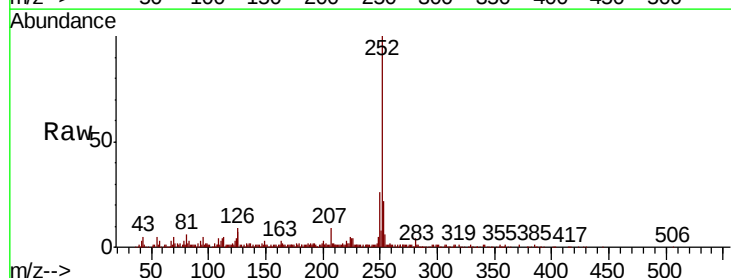
Instrument :
BNA_G
ClientSampleId :

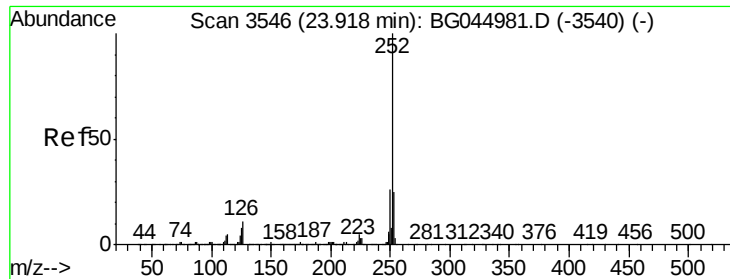
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	23.2	19.0	28.4



#88
Benzo(b)fluoranthene
Concen: 7.208 ng
RT: 23.84 min Scan# 3533
Delta R.T. -0.00 min
Lab File: BG045135.D
Acq: 22 Apr 2020 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.8	28.2
125	7.2	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 7.579 ng

RT: 23.84 min Scan# 3533

Delta R.T. -0.07 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

Instrument :

BNA_G

ClientSampleId :

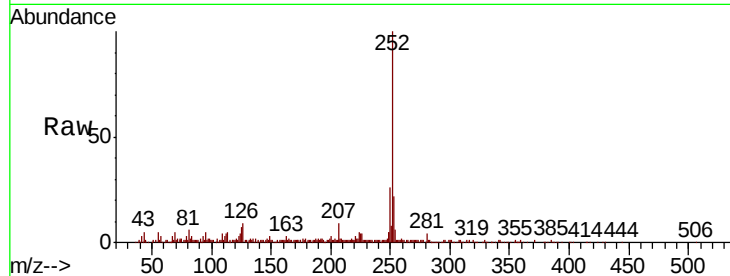
Tot Ion:252 Resp: 242834

Ion Ratio Lower Upper

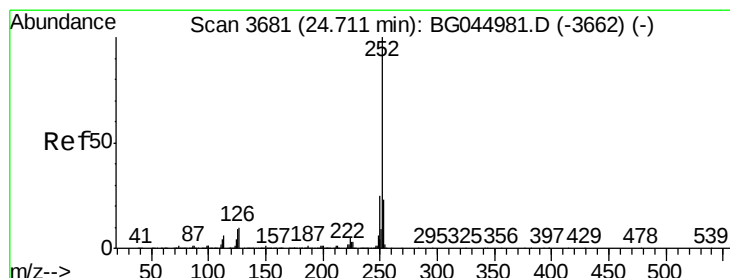
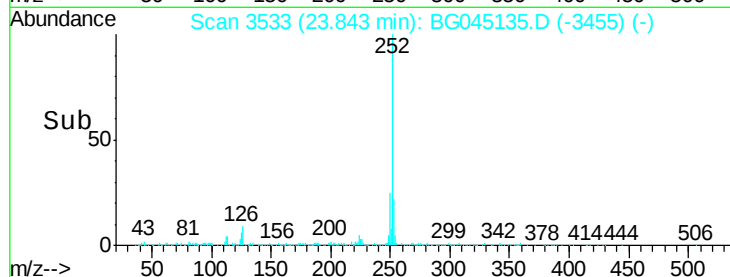
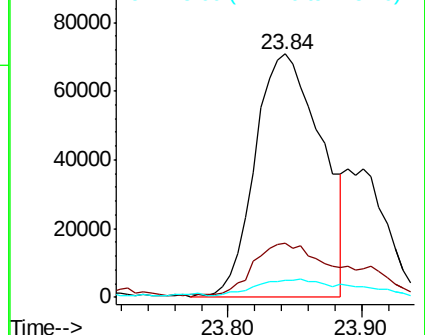
252 100

253 22.1 19.2 28.8

125 7.2 5.9 8.9



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



#90

Benzo(a)pyrene

Concen: 4.576 ng

RT: 24.55 min Scan# 3654

Delta R.T. -0.15 min

Lab File: BG045135.D

Acq: 22 Apr 2020 20:47

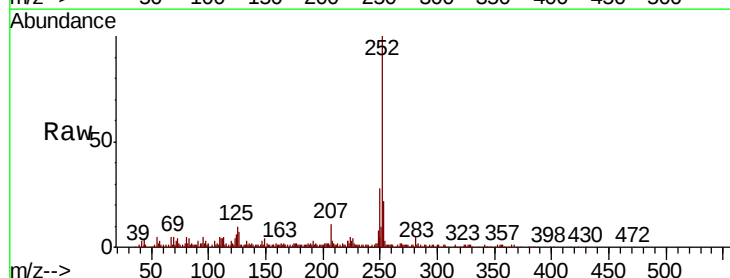
Tgt Ion:252 Resp: 145550

Ion Ratio Lower Upper

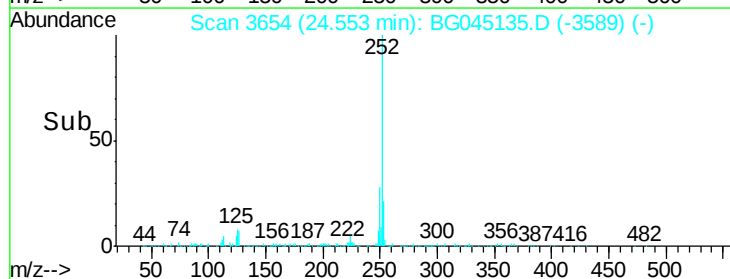
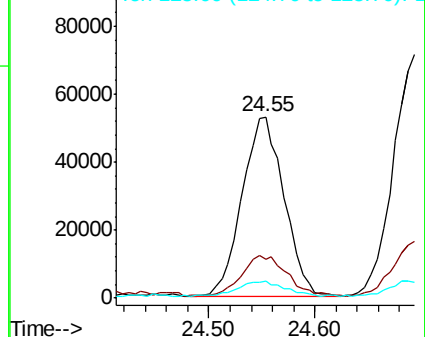
252 100

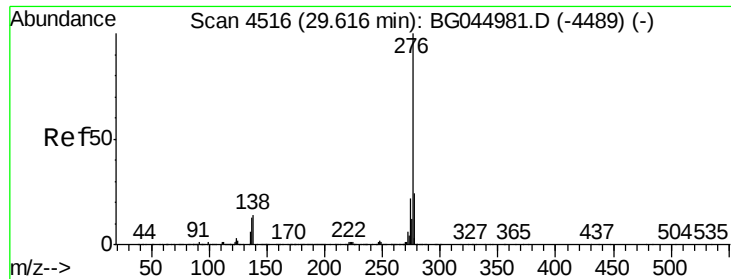
253 21.6 18.3 27.5

125 9.6 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





#92
 Benzo(a,h,i)perylene
 Concen: 5.428 ng
 RT: 29.58 min Scan# 4510
 Delta R.T. -0.03 min
 Lab File: BG045135.D
 Acq: 22 Apr 2020 20:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.3	28.9
138	12.8	11.4	17.2

