

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045081.D
 Acq On : 19 Apr 2020 00:20
 Operator : CG/JU
 Sample : L2304-13
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

Quant Time: Apr 20 00:26:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	86852	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	340833	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	224498	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	430206	20.00	ng	0.00
76) Chrysene-d12	21.68	240	386510	20.00	ng	0.01
87) Perylene-d12	24.88	264	409183	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	552865	105.09	ng	0.01
7) Phenol-d6	7.20	99	872992	111.69	ng	0.02
23) Nitrobenzene-d5	9.18	82	597073	79.93	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	318223	91.75	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1289129	84.20	ng	0.00
79) Terphenyl-d14	20.02	244	1549993	87.41	ng	0.00

Target Compounds

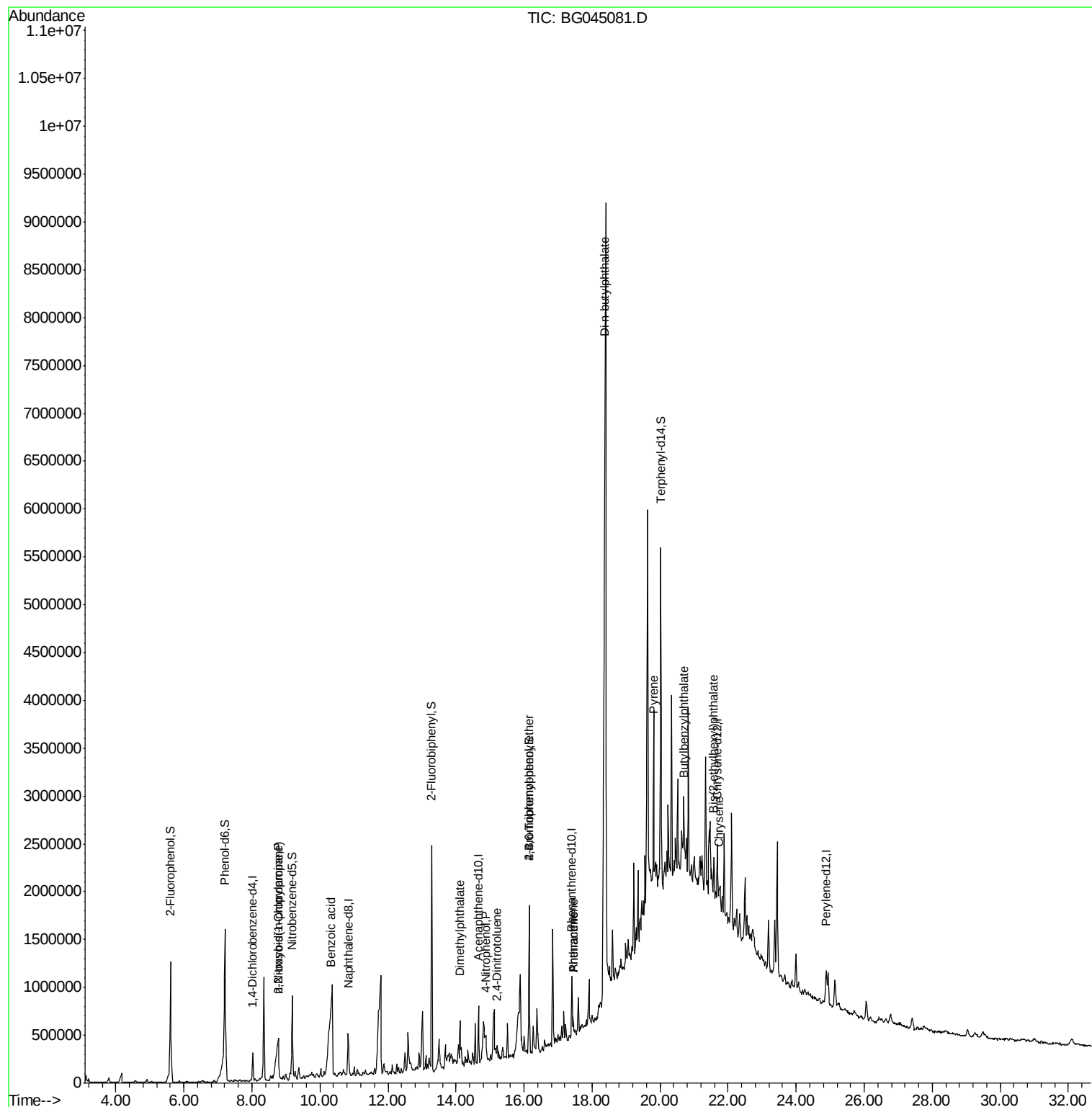
						Qvalue
9) Benzaldehyde	7.16	77	1664	Below Cal	#	80
16) 2,2'-oxybis(1-Chloropropan	8.77	45	80031	13.092 ng		67
19) n-Nitroso-di-n-propylamine	8.78	70	69611	12.593 ng	#	53
32) Benzoic acid	10.31	122	29157	12.355 ng		89
50) Dimethylphthalate	14.11	163	109157	5.972 ng		99
56) 4-Nitrophenol	14.89	139	7357	2.116 ng	#	76
57) 2,4-Dinitrotoluene	15.21	165	61604	10.310 ng	#	26
67) 4-Bromophenyl-phenylether	16.15	248	21278	3.834 ng	#	1
69) Atrazine	16.84	200	1824	Below Cal	#	40
71) Phenanthrene	17.45	178	99296	4.492 ng		97
72) Anthracene	17.45	178	99296	4.478 ng		97
74) Di-n-butylphthalate	18.37	149	309126	7.570 ng	#	98
75) Fluoranthene	19.46	202	100439	Below Cal		89
77) Benzidine	19.61	184	5831	Below Cal	#	1
78) Pyrene	19.82	202	72117	2.706 ng	#	90
80) Butylbenzylphthalate	20.71	149	37931	3.434 ng	#	58
83) Chrysene	21.72	228	70738	2.939 ng	#	92
84) Bis(2-ethylhexyl)phthalate	21.58	149	203034	13.366 ng	#	99

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

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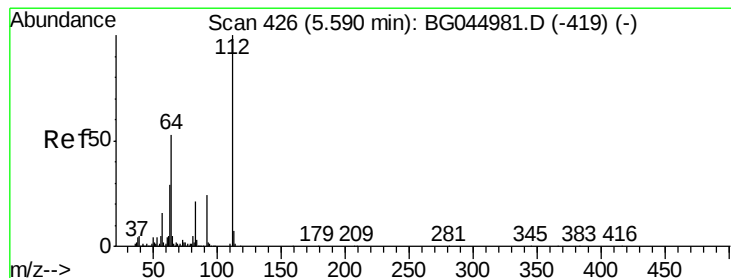
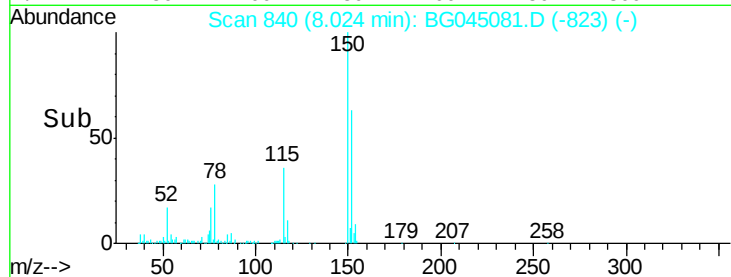
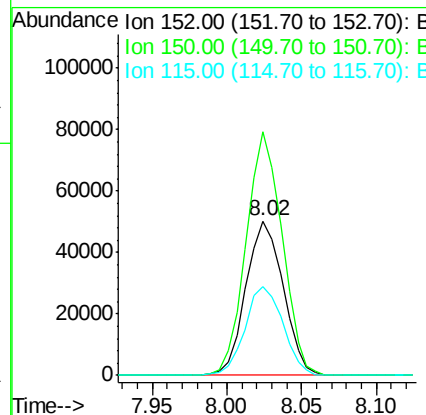
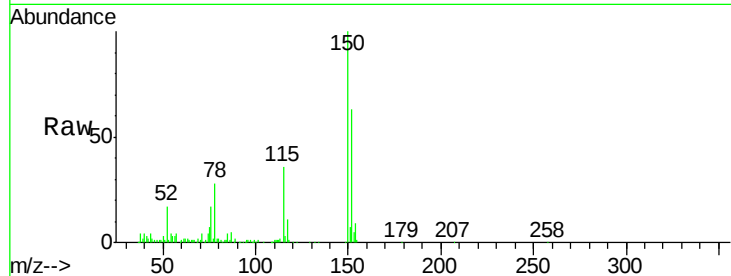


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

Instrument :
BNA_G
ClientSampleId :
WC-F2

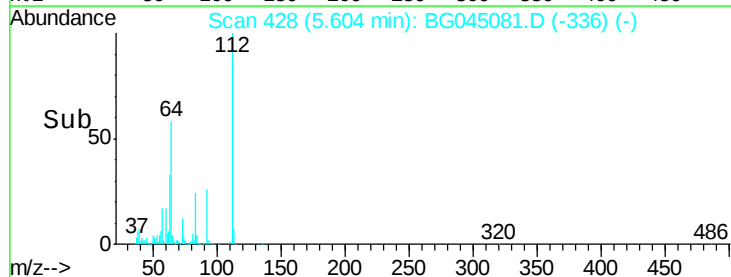
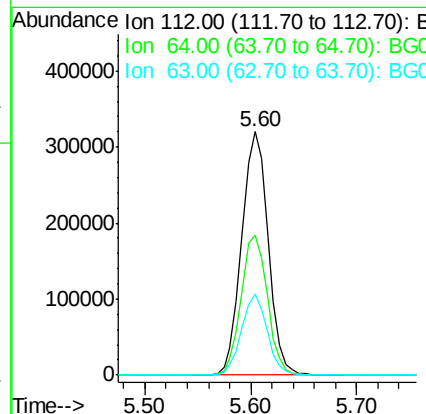
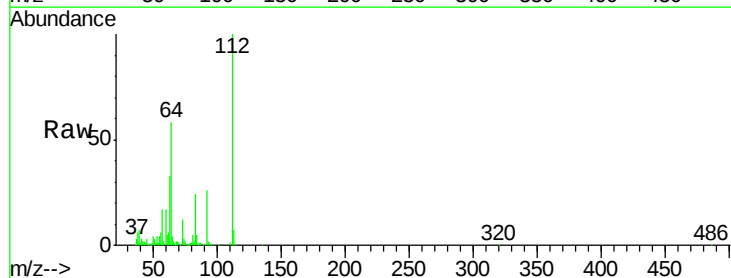
Tot Ion	152	Resp	86852
Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.6	185.4
115	57.2	49.1	73.7

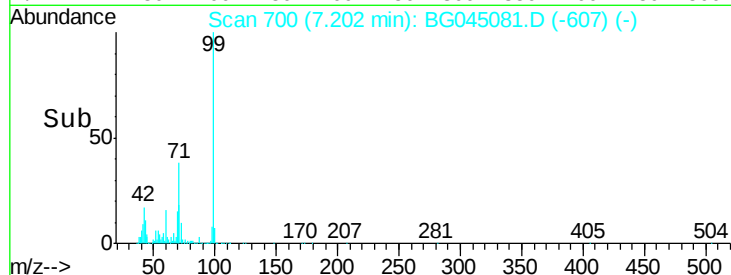
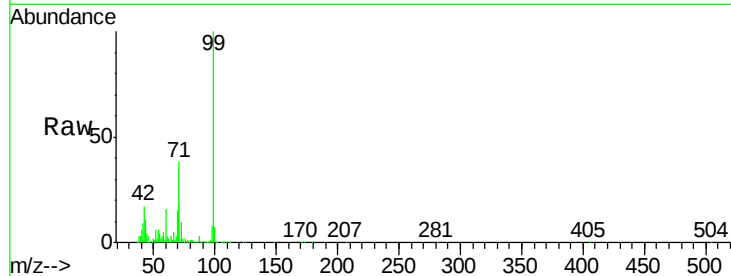
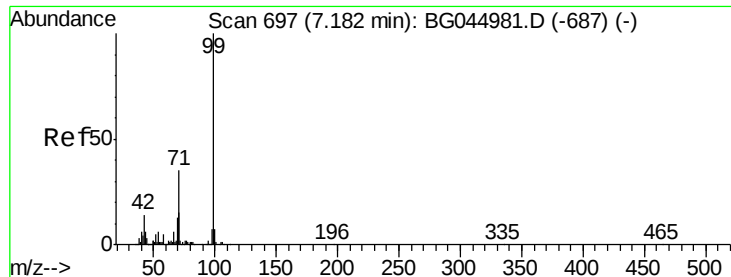


#5

2-Fluorophenol
Concen: 105.093 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

Tgt Ion	112	Resp	552865
Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.4	63.6
63	33.2	23.1	34.7





#7

Phenol-d6

Concen: 111.691 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.02 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

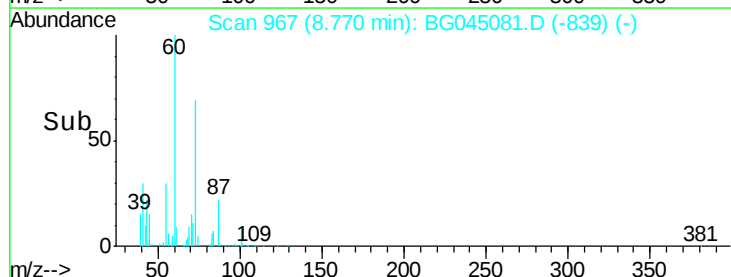
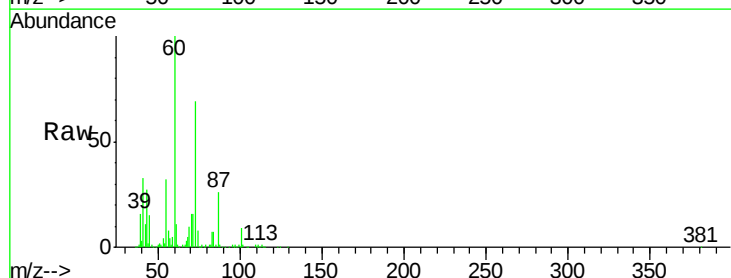
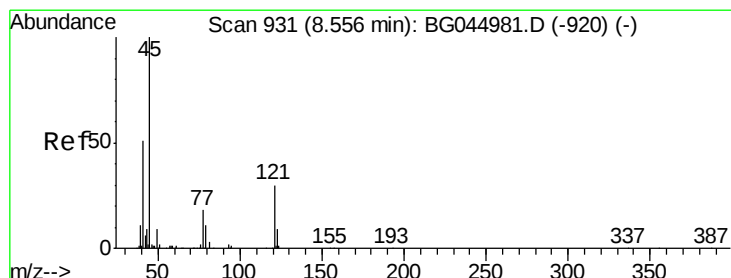
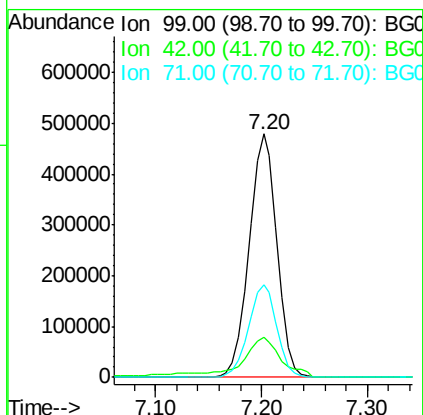
Tot Ion: 99 Resp: 872992

Ion Ratio Lower Upper

99 100

42 16.6 11.3 16.9

71 38.0 28.3 42.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 13.092 ng

RT: 8.77 min Scan# 967

Delta R.T. 0.22 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

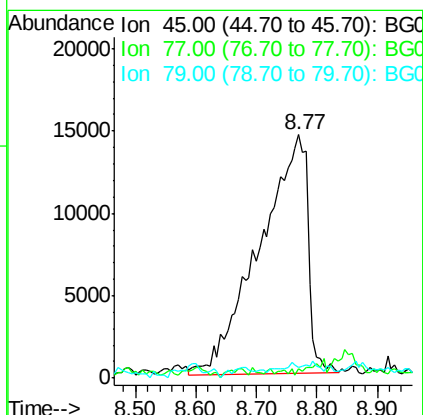
Tgt Ion: 45 Resp: 80031

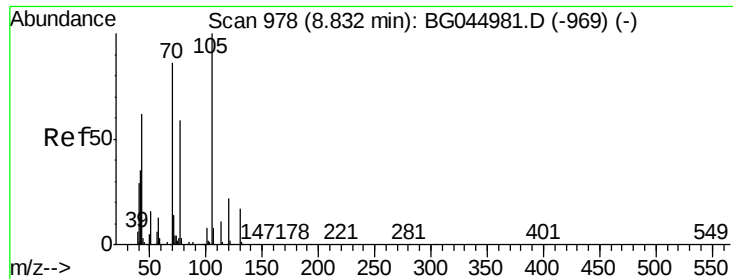
Ion Ratio Lower Upper

45 100

77 4.0 1.9 41.9

79 4.3 0.0 35.5

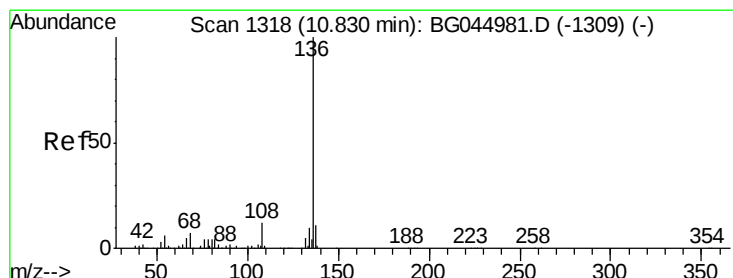
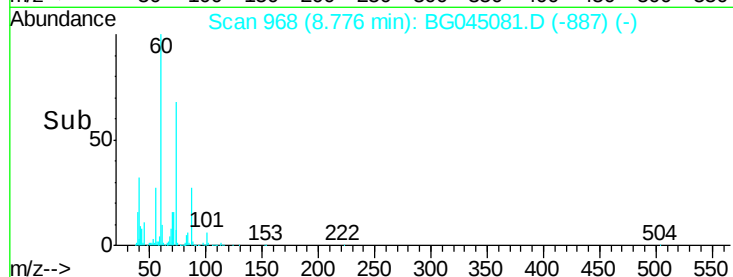
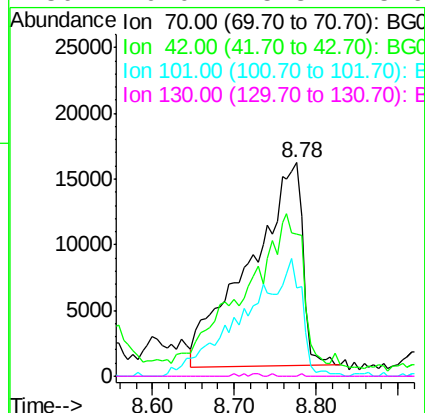
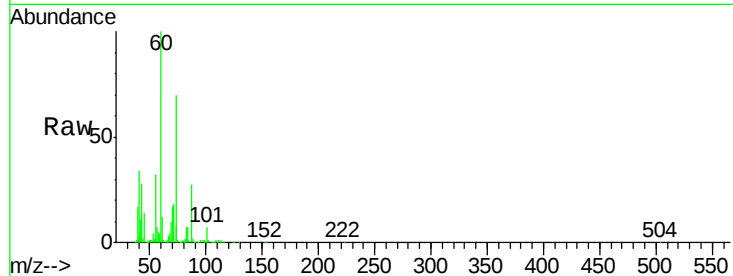




#19
n-Nitroso-di-n-propylamine
Concen: 12.593 ng
RT: 8.78 min Scan# 968
Delta R.T. -0.05 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

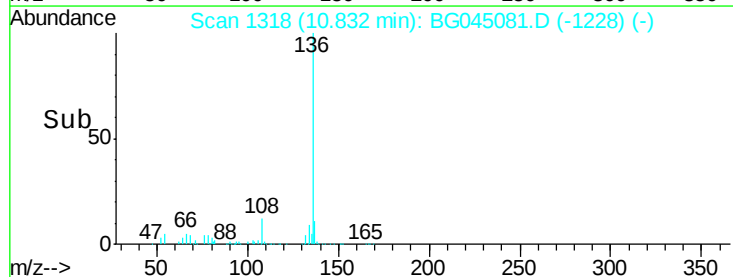
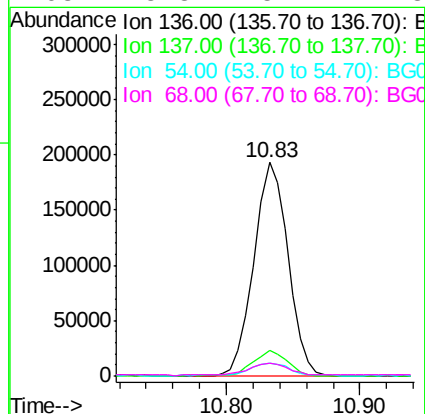
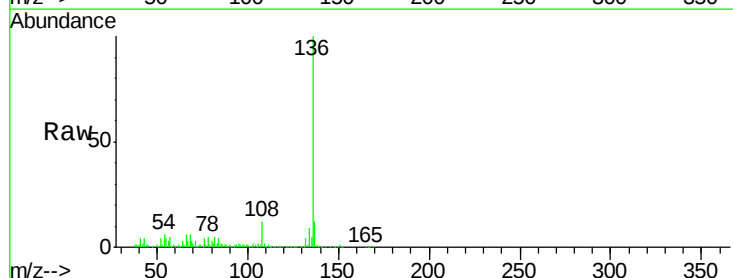
Instrument :
BNA_G
ClientSampleId :
WC-F2

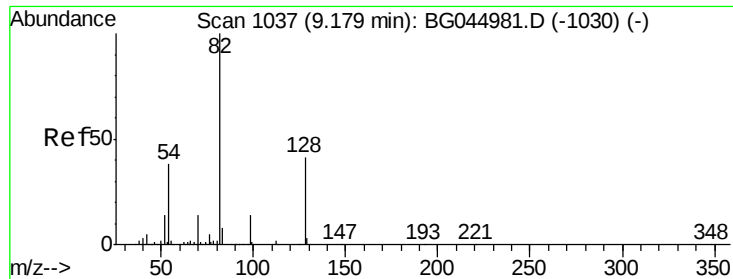
Tot Ion:	70	Resp:	69611
Ion	Ratio	Lower	Upper
70	100		
42	66.4	33.3	49.9#
101	41.4	7.8	11.8#
130	0.0	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

Tgt Ion:	136	Resp:	340833
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.6	13.0
54	6.2	4.8	7.2
68	5.8	5.2	7.8

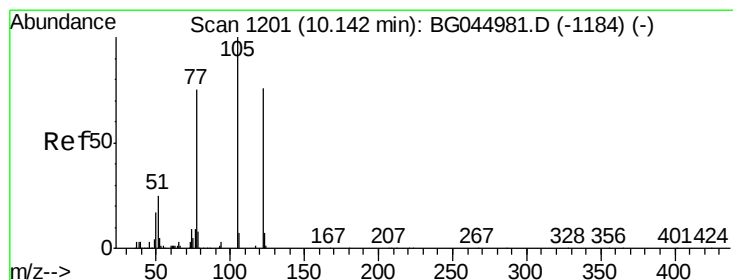
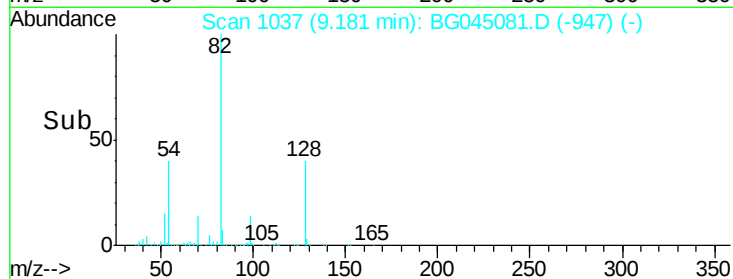
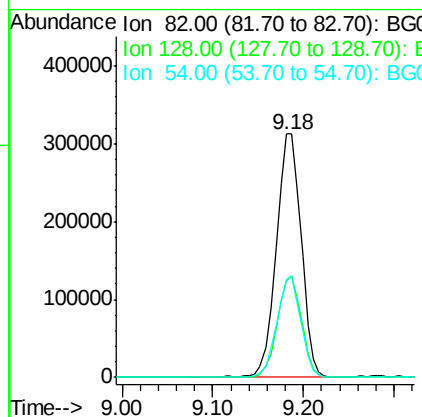
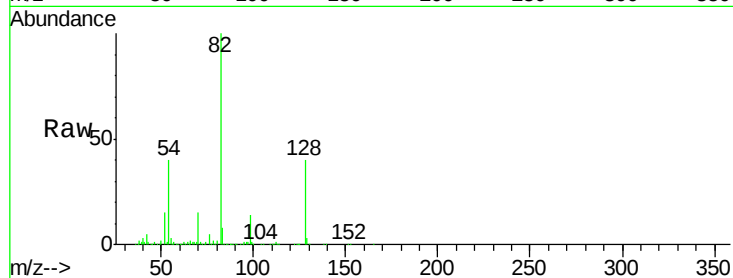




#23
Nitrobenzene-d5
Concen: 79.933 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

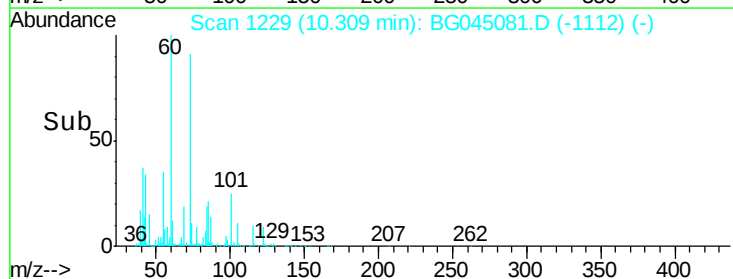
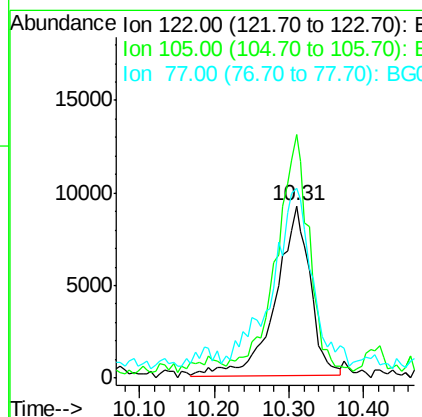
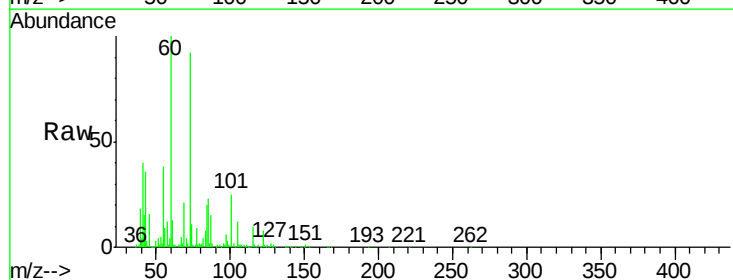
Instrument :
BNA_G
ClientSampleId :
WC-F2

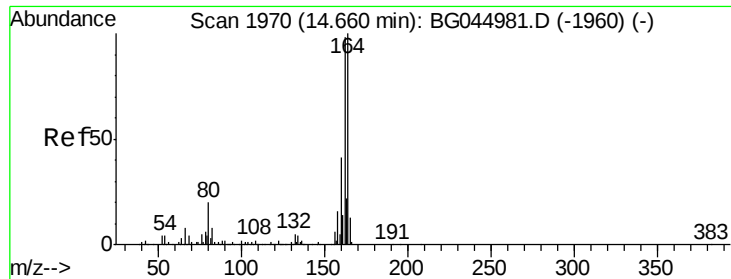
Tot Ion	82	Resp	597073
Ion	Ratio	Lower	Upper
82	100		
128	39.8	33.0	49.4
54	40.4	30.4	45.6



#32
Benzoic acid
Concen: 12.355 ng
RT: 10.31 min Scan# 1229
Delta R.T. 0.16 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

Tgt Ion	122	Resp	29157
Ion	Ratio	Lower	Upper
122	100		
105	141.4	108.4	148.4
77	110.2	78.8	118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

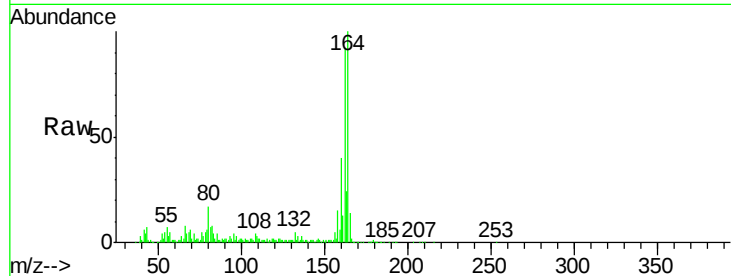
Tot Ion:164 Resp: 224498

Ion Ratio Lower Upper

164 100

162 92.4 78.7 118.1

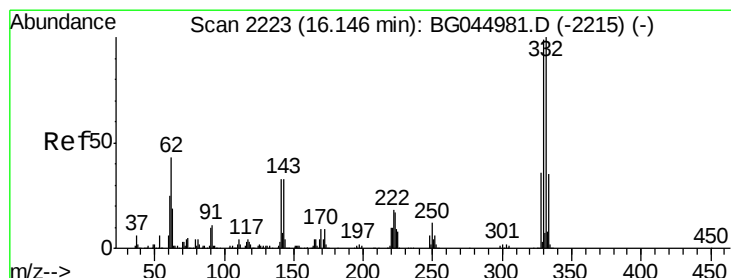
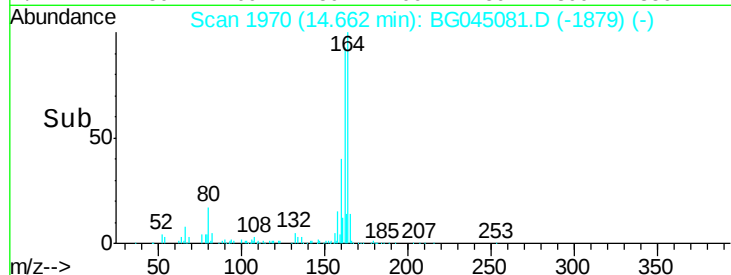
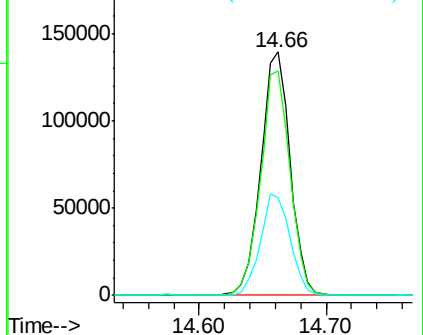
160 40.1 32.8 49.2



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: 91.755 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

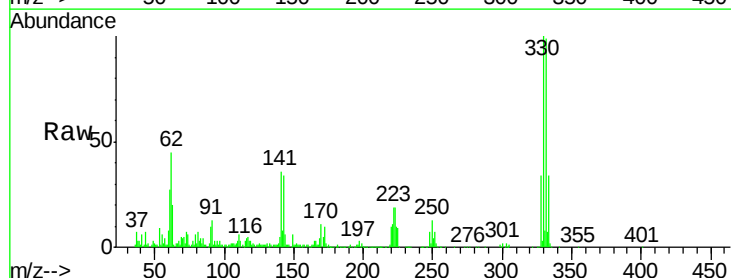
Tgt Ion:330 Resp: 318223

Ion Ratio Lower Upper

330 100

332 98.2 79.1 118.7

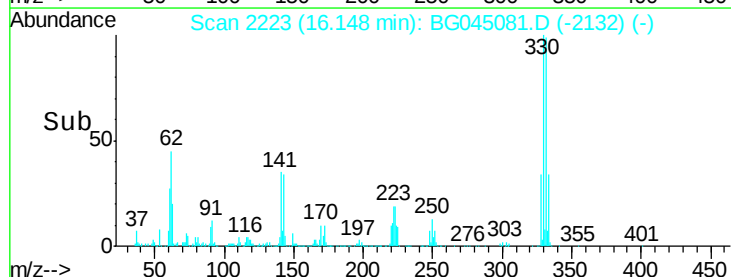
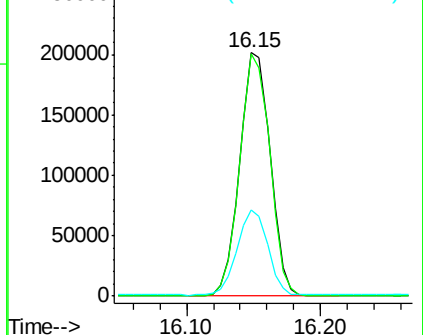
141 35.1 27.1 40.7

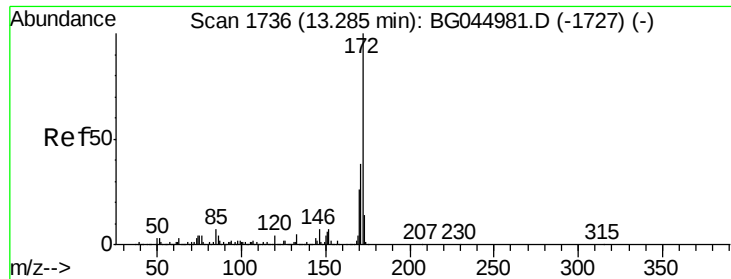


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

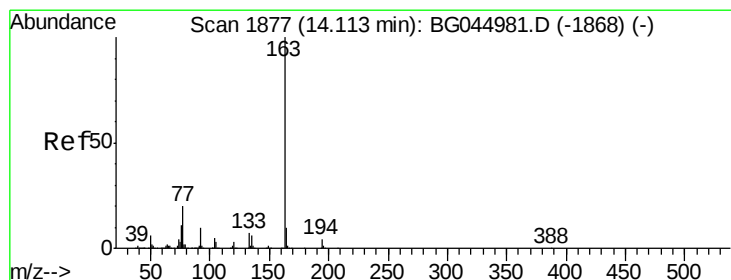
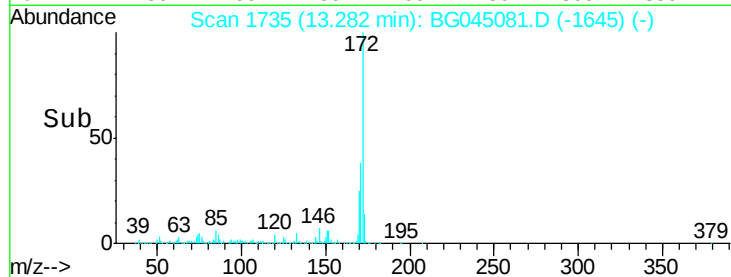
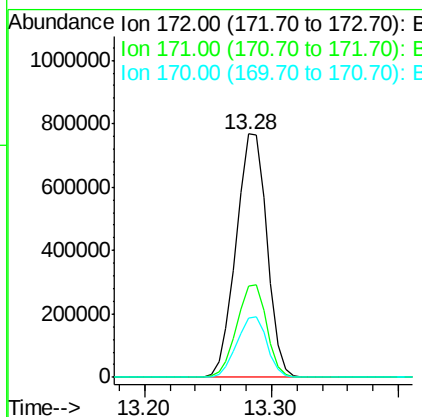
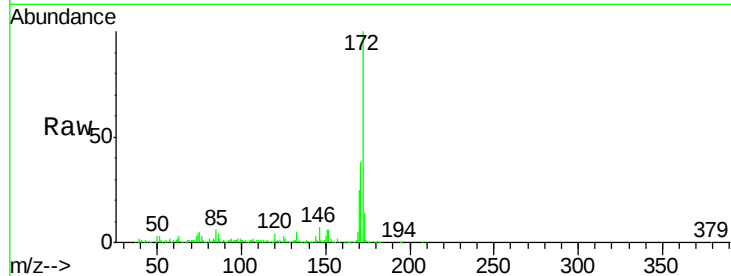




#45
 2-Fluorobiphenyl
 Concen: 84.200 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045081.D
 Acq: 19 Apr 2020 00:20

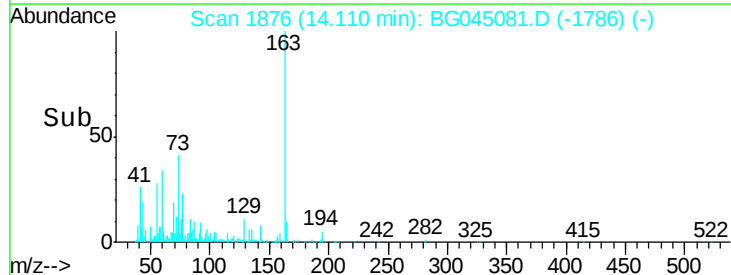
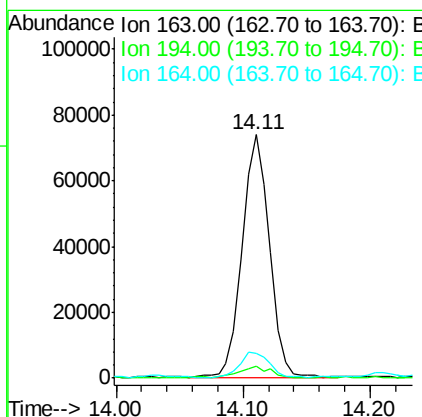
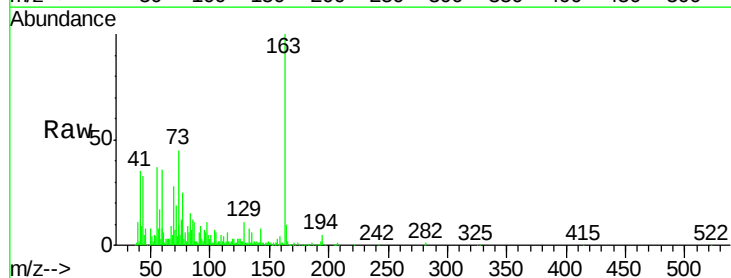
Instrument :
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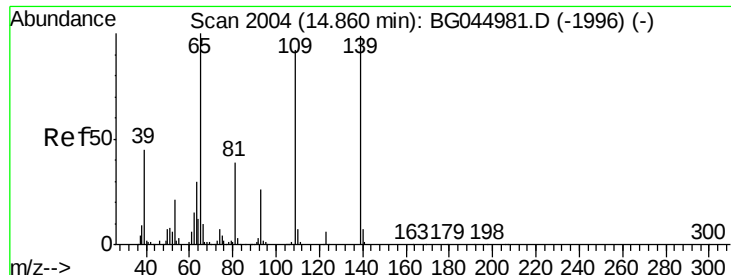
Tot Ion:172 Resp: 1289129
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.6 46.0
 170 24.6 20.5 30.7



#50
 Dimethylphthalate
 Concen: 5.972 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: BG045081.D
 Acq: 19 Apr 2020 00:20

Tgt Ion:163 Resp: 109157
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.5 5.3
 164 9.9 8.2 12.4





#56

4-Nitrophenol

Concen: 2.116 ng

RT: 14.89 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampled :

WC-F2

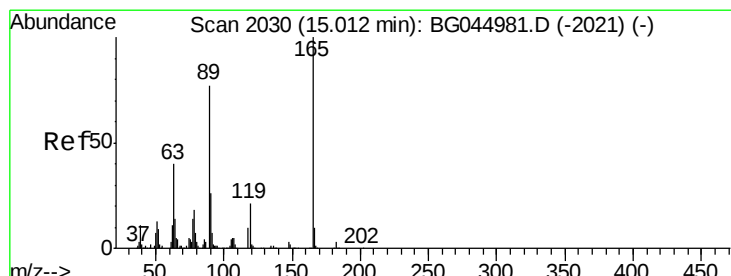
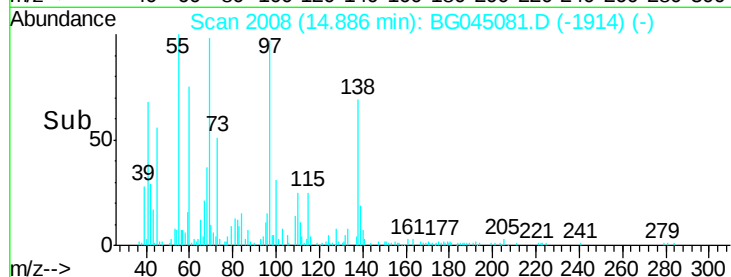
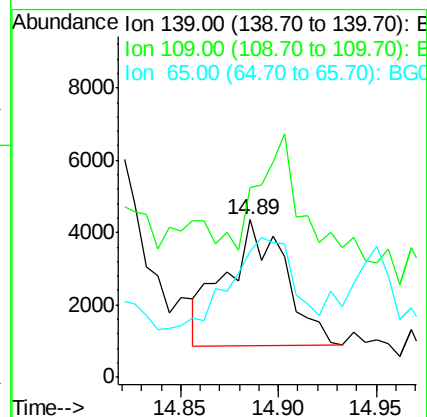
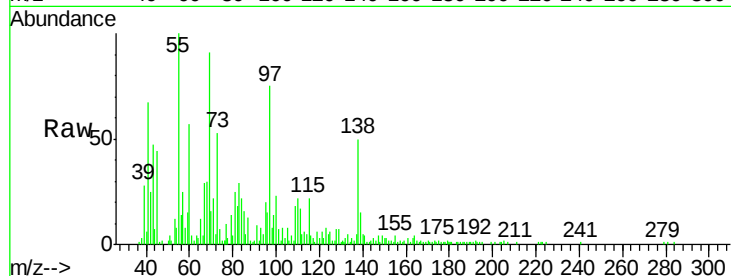
Tot Ion:139 Resp: 7357

Ion Ratio Lower Upper

139 100

109 120.3 73.6 113.6#

65 80.0 81.2 121.2#



#57

2,4-Dinitrotoluene

Concen: 10.310 ng

RT: 15.21 min Scan# 2064

Delta R.T. 0.20 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Tgt Ion:165 Resp: 61604

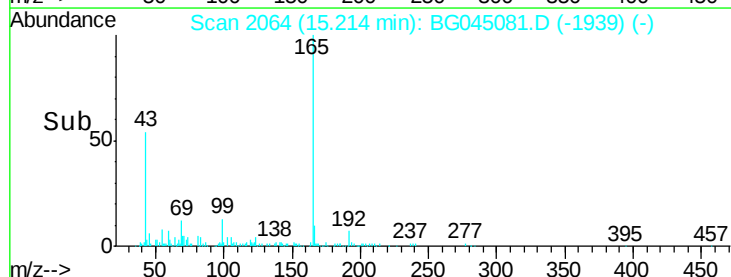
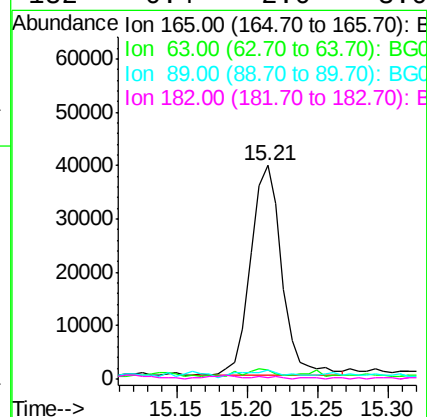
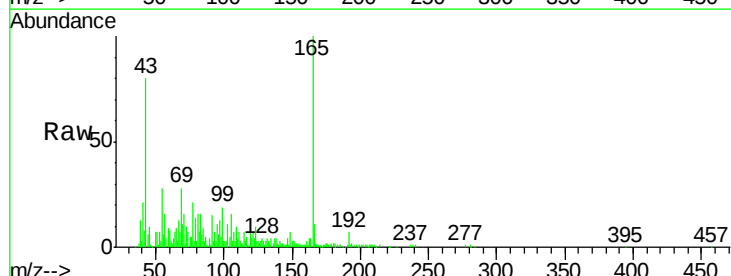
Ion Ratio Lower Upper

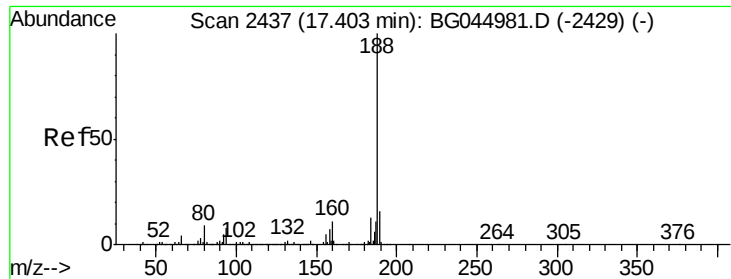
165 100

63 3.9 32.2 48.2#

89 4.1 61.7 92.5#

182 0.4 2.0 3.0#

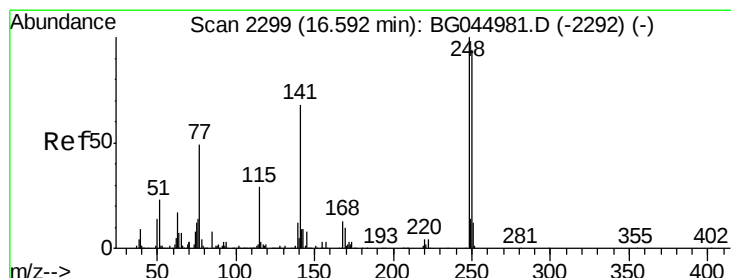
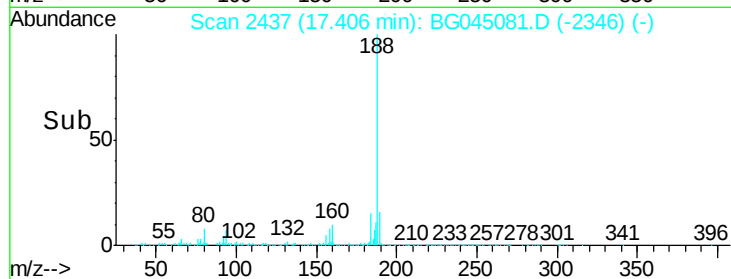
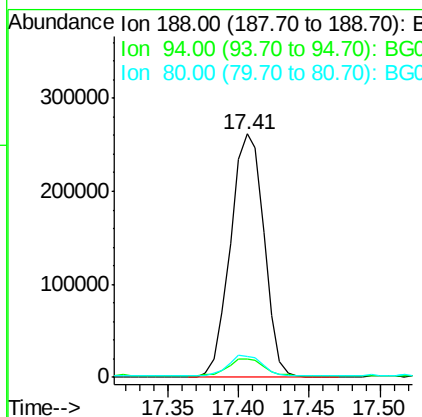
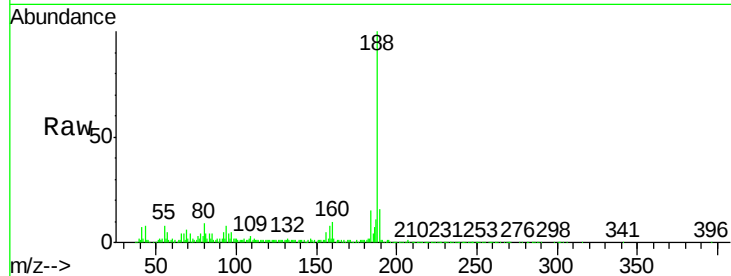




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BG045081.D
 Acq: 19 Apr 2020 00:20

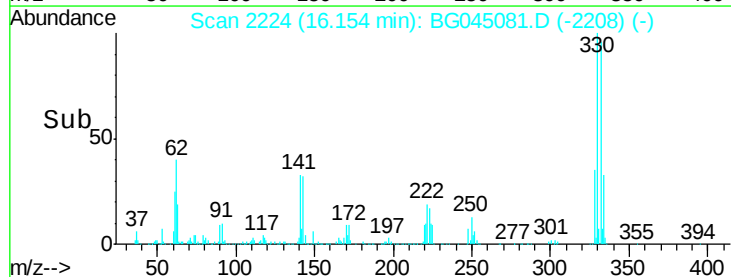
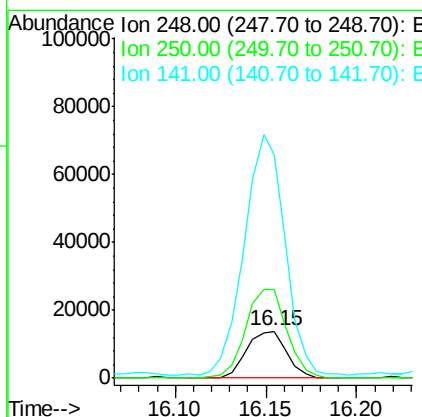
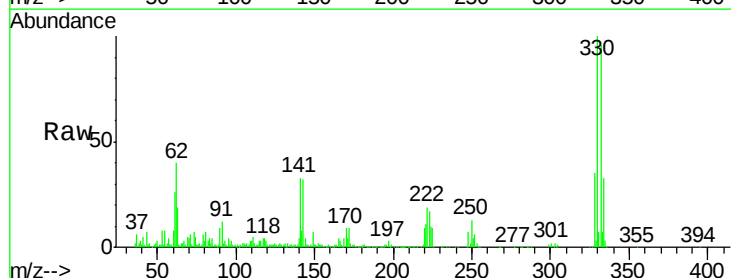
Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

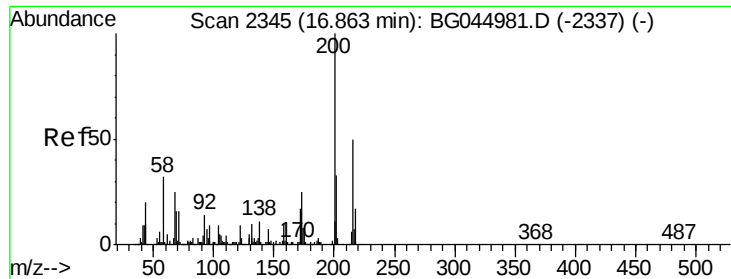
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.2	9.4
80	8.8	7.0	10.6



#67
 4-Bromophenyl-phenylether
 Concen: 3.834 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG045081.D
 Acq: 19 Apr 2020 00:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.3	75.4	113.2#
141	474.8	54.4	81.6#

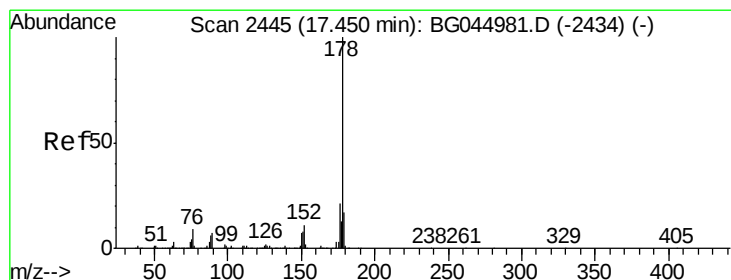
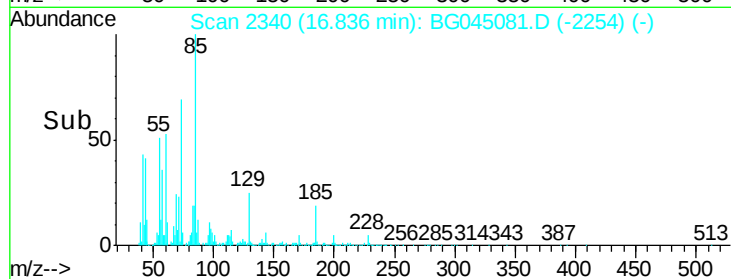
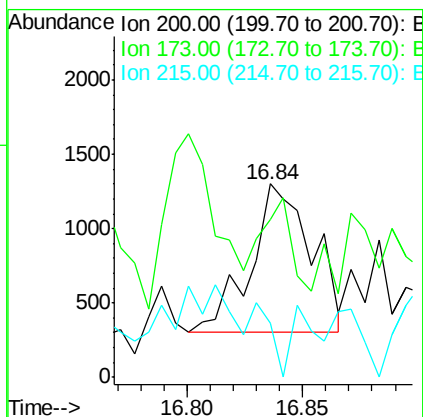
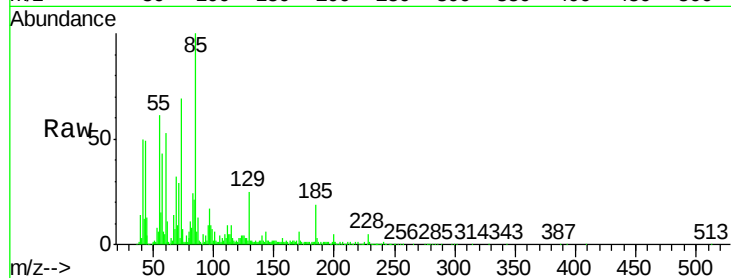




#69
Atrazine
Concen: Below Cal
RT: 16.84 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

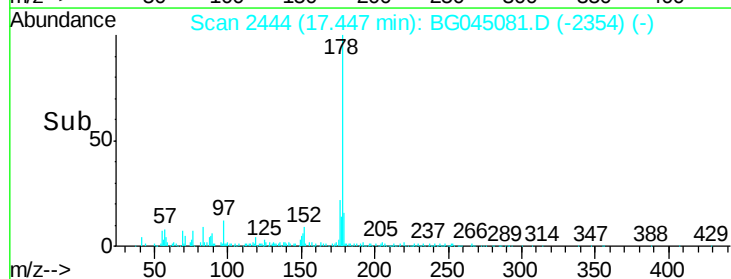
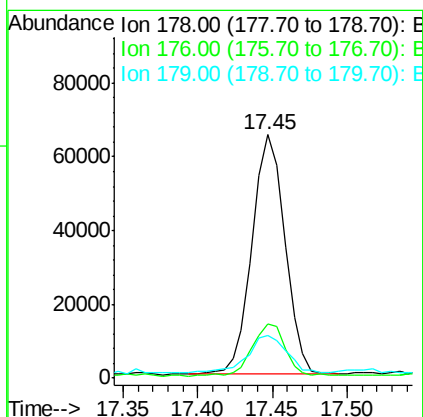
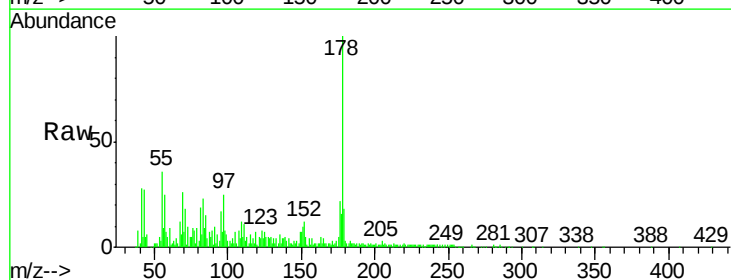
Instrument :
BNA_G
ClientSampleId :
WC-F2

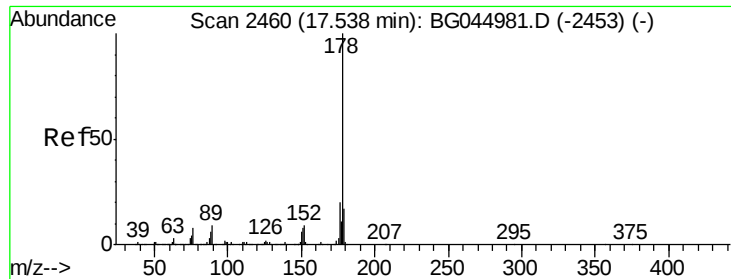
Tot Ion:200 Resp: 1824
Ion Ratio Lower Upper
200 100
173 81.9 4.5 44.5#
215 27.8 30.0 70.0#



#71
Phenanthrene
Concen: 4.492 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG045081.D
Acq: 19 Apr 2020 00:20

Tgt Ion:178 Resp: 99296
Ion Ratio Lower Upper
178 100
176 22.3 16.8 25.2
179 17.8 13.2 19.8





#72

Anthracene

Concen: 4.478 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.09 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

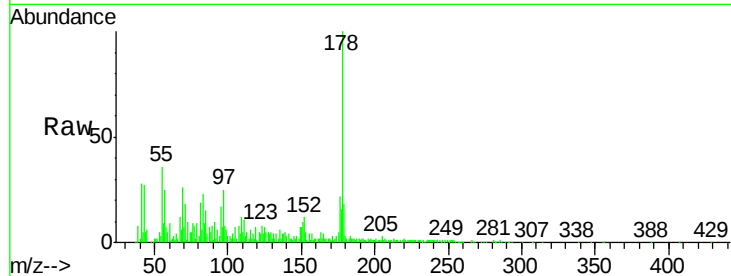
Tot Ion:178 Resp: 99296

Ion Ratio Lower Upper

178 100

176 22.3 16.0 24.0

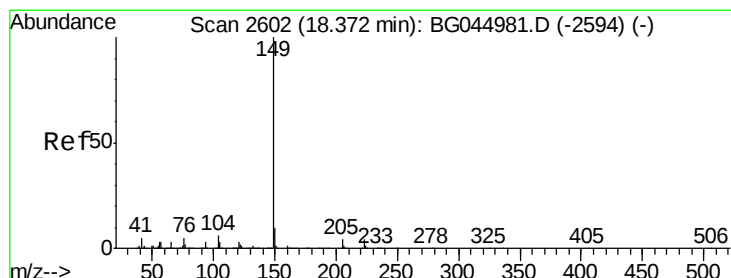
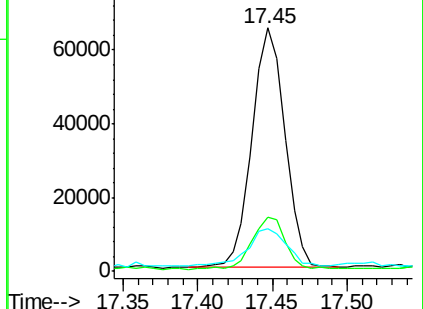
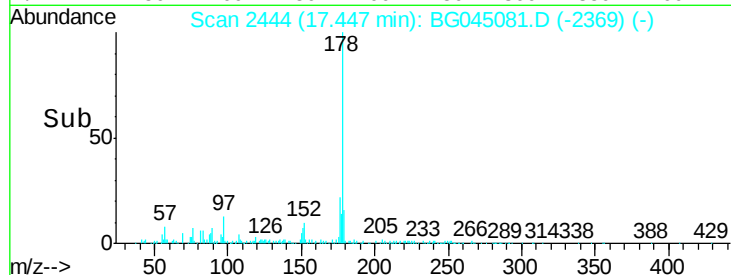
179 17.8 13.6 20.4



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: 7.570 ng

RT: 18.37 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

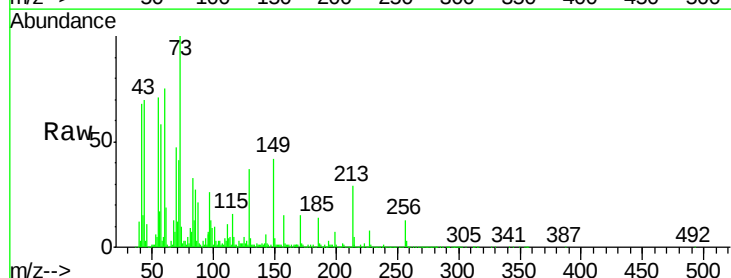
Tgt Ion:149 Resp: 309126

Ion Ratio Lower Upper

149 100

150 9.9 8.2 12.2

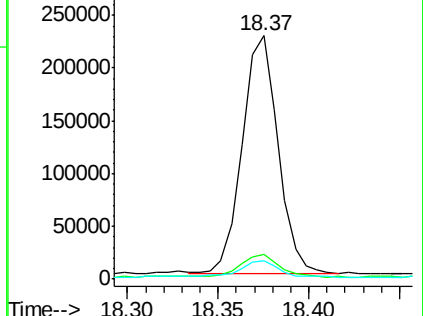
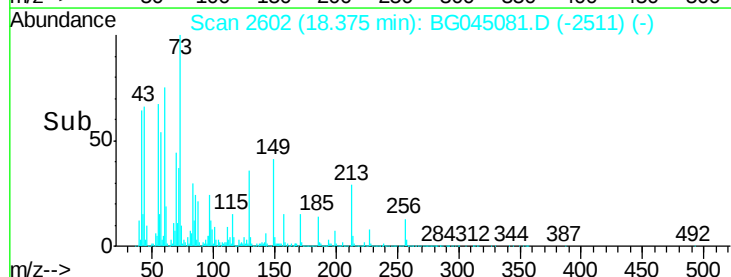
104 7.3 4.8 7.2#

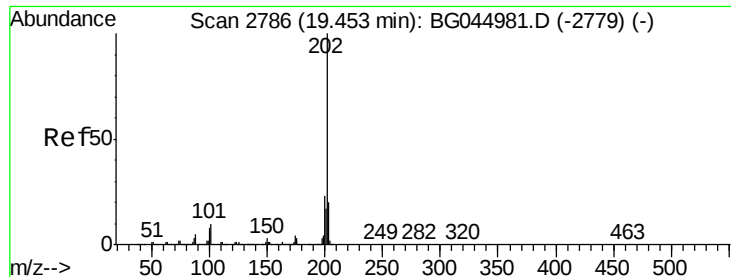


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

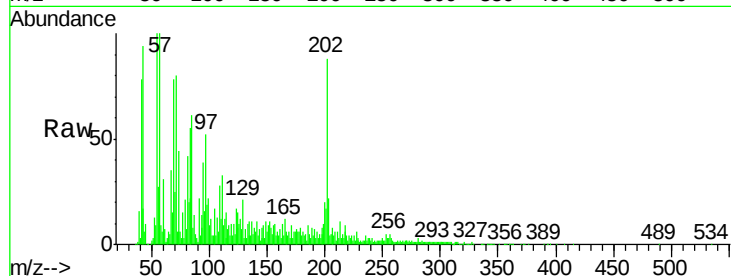
Tot Ion:202 Resp: 100439

Ion Ratio Lower Upper

202 100

101 13.6 0.0 29.6

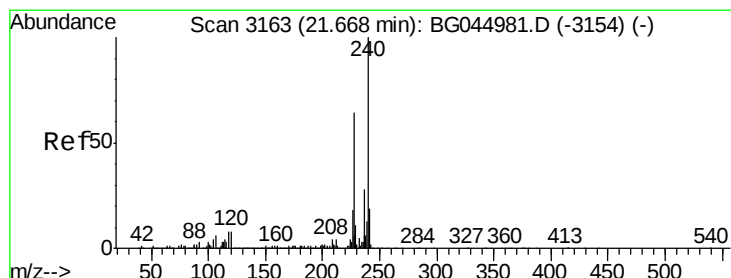
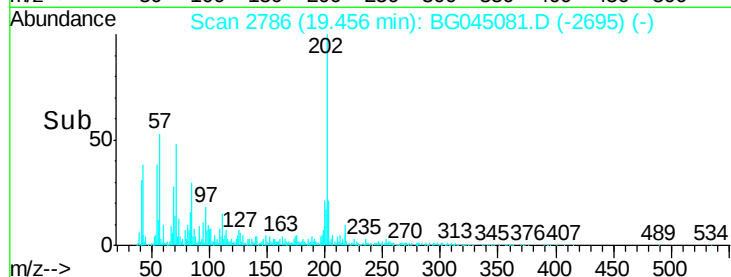
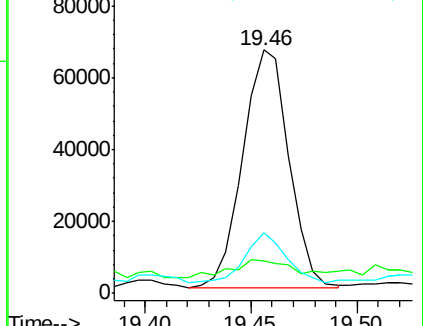
203 24.9 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

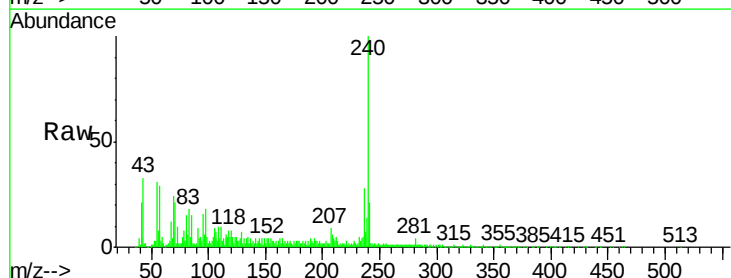
Tgt Ion:240 Resp: 386510

Ion Ratio Lower Upper

240 100

120 7.8 6.6 10.0

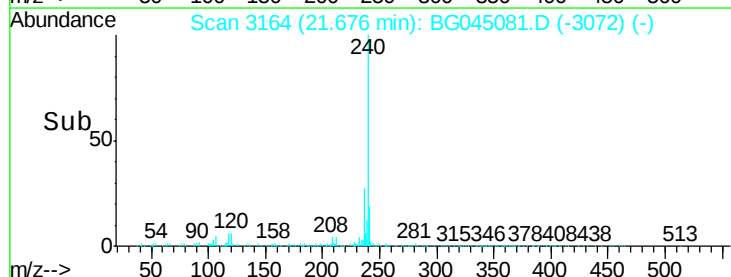
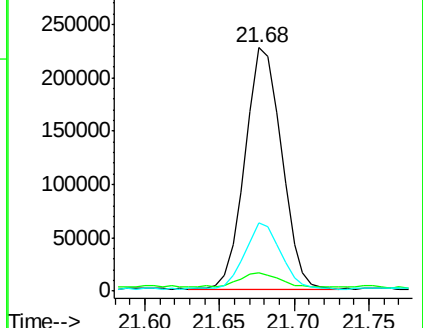
236 28.0 22.2 33.2

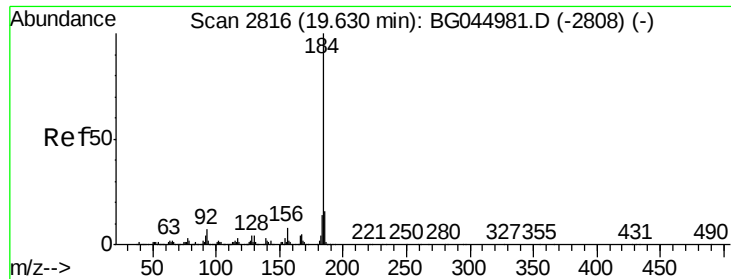


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.61 min Scan# 2813

Delta R.T. -0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

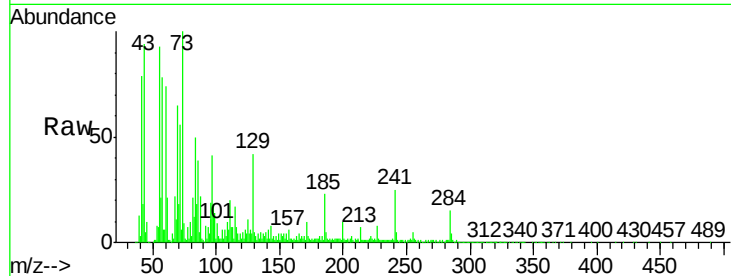
Tot Ion:184 Resp: 5831

Ion Ratio Lower Upper

184 100

185 1573.1 12.6 19.0#

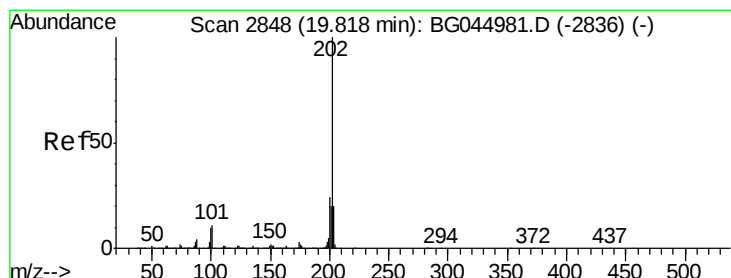
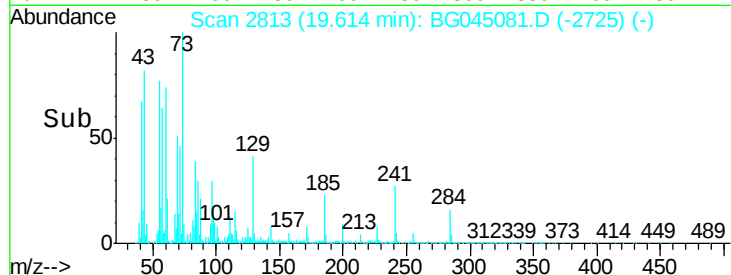
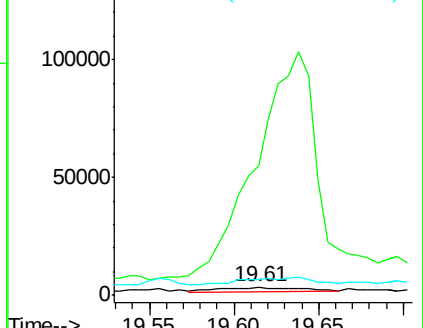
183 183.4 11.3 16.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 2.706 ng

RT: 19.82 min Scan# 2848

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

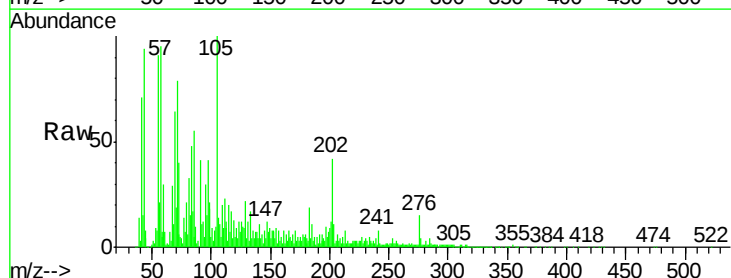
Tgt Ion:202 Resp: 72117

Ion Ratio Lower Upper

202 100

200 20.7 19.0 28.6

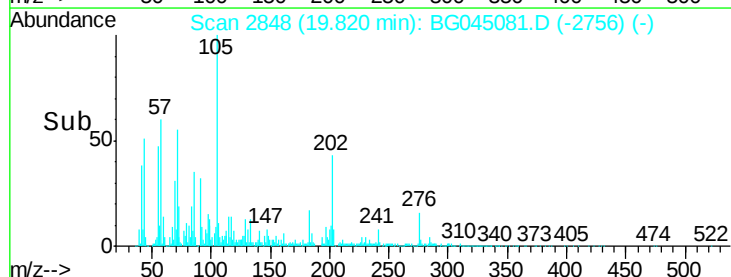
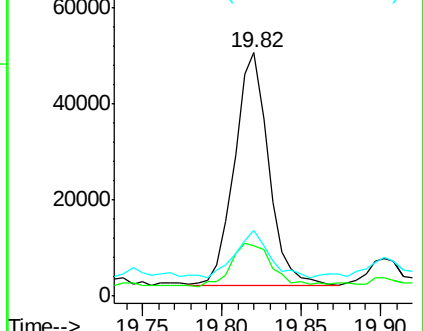
203 26.8 16.1 24.1#

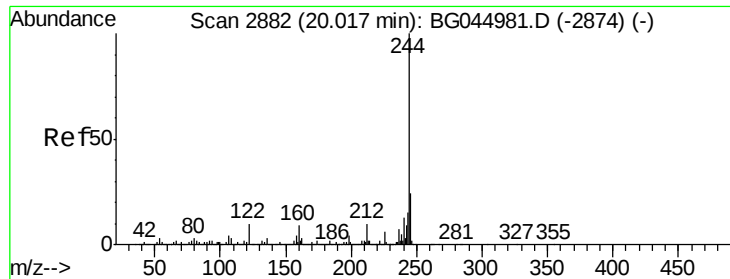


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 87.406 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

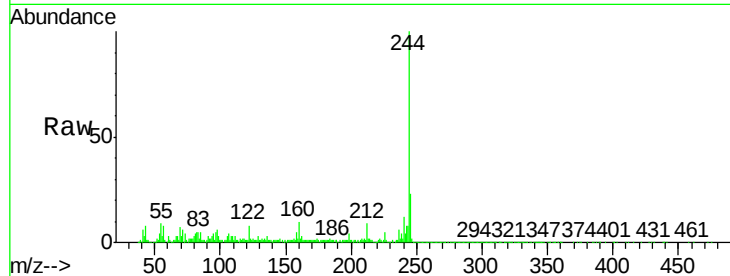
Tot Ion:244 Resp: 1549993

Ion Ratio Lower Upper

244 100

212 9.5 7.9 11.9

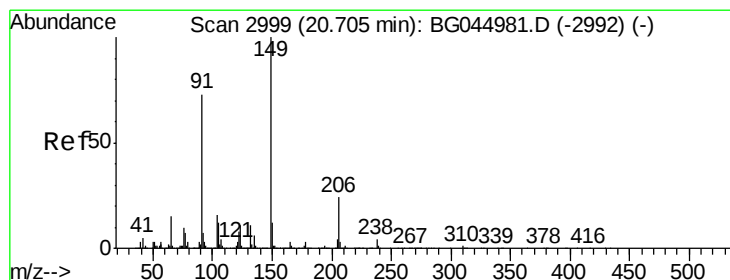
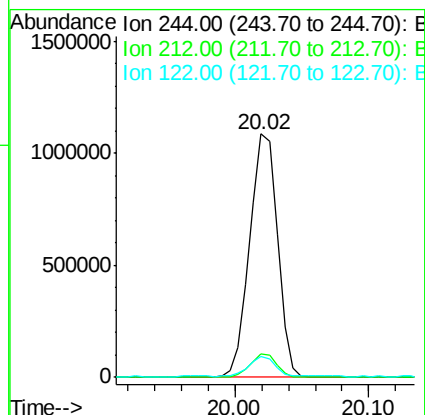
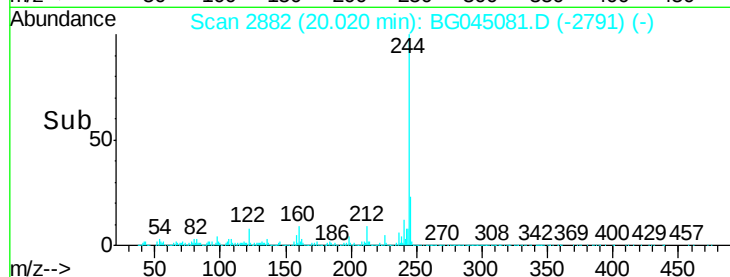
122 8.5 7.7 11.5



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



#80

Butylbenzylphthalate

Concen: 3.434 ng

RT: 20.71 min Scan# 3000

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

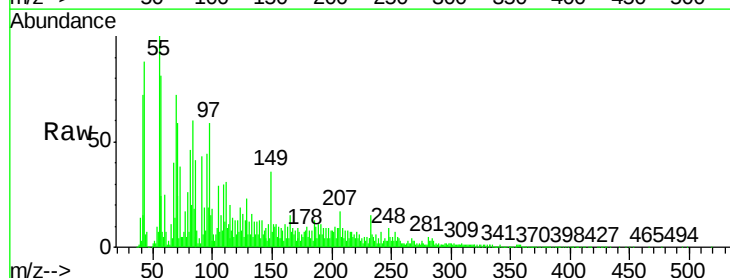
Tgt Ion:149 Resp: 37931

Ion Ratio Lower Upper

149 100

91 119.5 58.5 87.7#

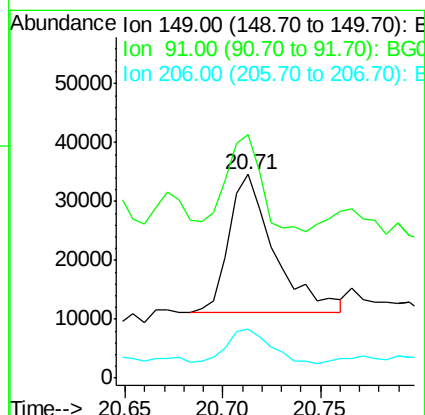
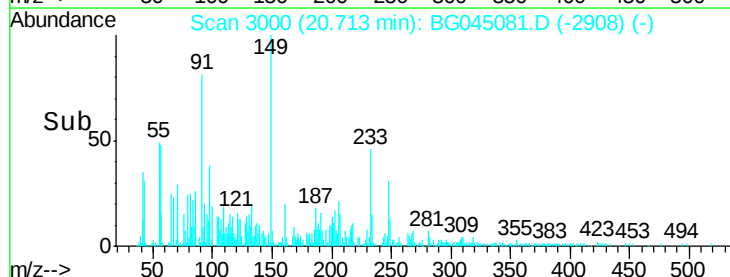
206 24.4 19.2 28.8

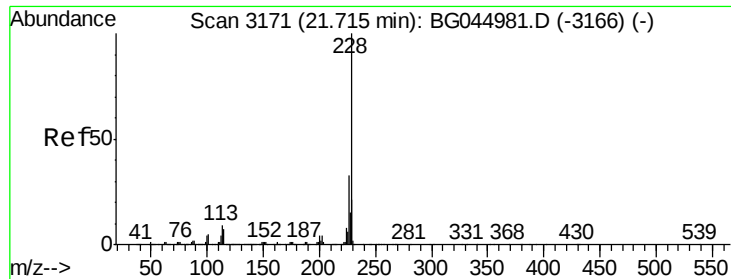


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#83

Chrysene

Concen: 2.939 ng

RT: 21.72 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

Instrument :

BNA_G

ClientSampleId :

WC-F2

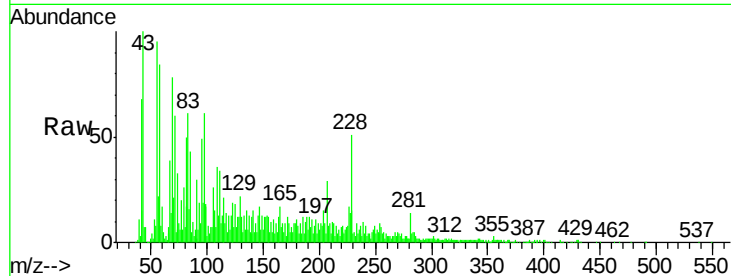
Tot Ion:228 Resp: 70738

Ion Ratio Lower Upper

228 100

226 34.1 26.2 39.4

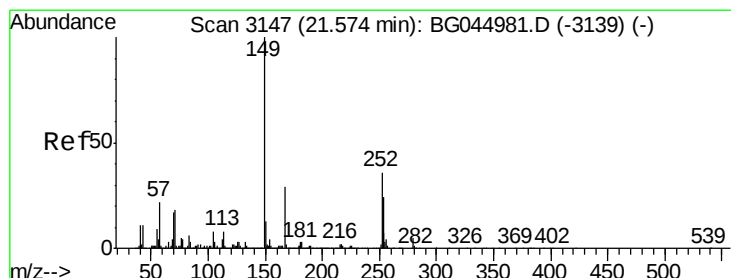
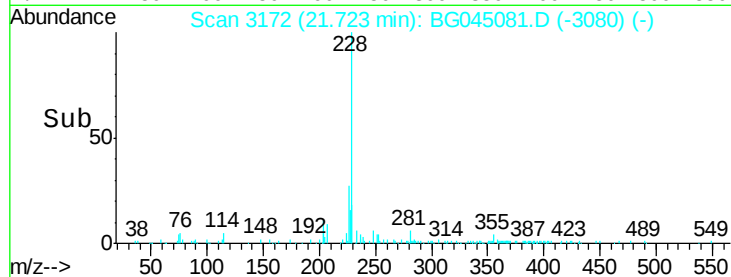
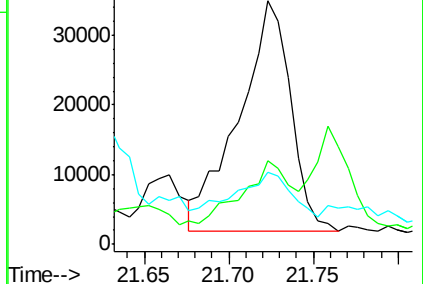
229 29.6 17.0 25.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.366 ng

RT: 21.58 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG045081.D

Acq: 19 Apr 2020 00:20

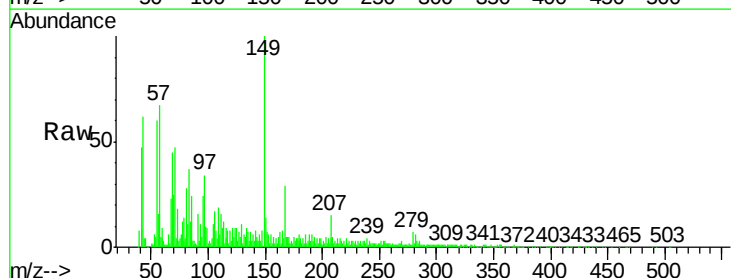
Tgt Ion:149 Resp: 203034

Ion Ratio Lower Upper

149 100

167 29.1 23.4 35.0

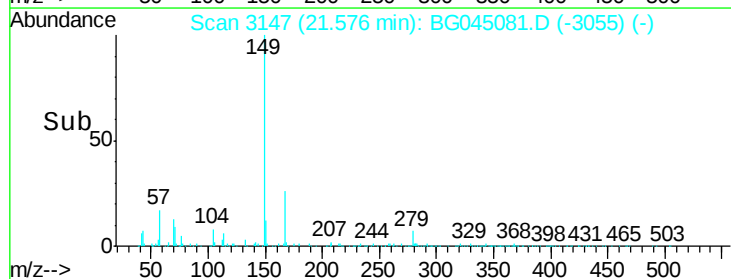
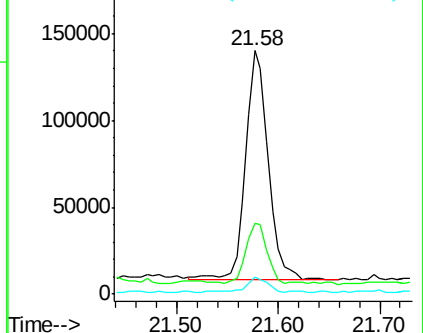
279 7.0 4.3 6.5#

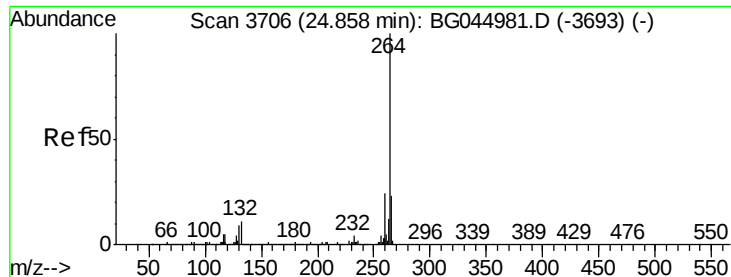


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

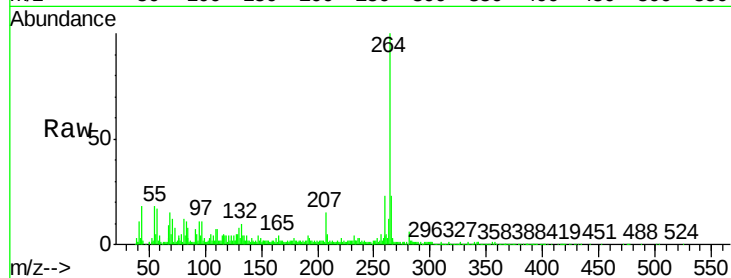




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3710
 Delta R.T. 0.03 min
 Lab File: BG045081.D
 Acq: 19 Apr 2020 00:20

Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	23.3	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

