

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
 Data File : BG045780.D
 Acq On : 16 Jun 2020 20:02
 Operator : CG/JU
 Sample : L2815-06 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-061520

Quant Time: Jun 17 02:26:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	77442	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	320248	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	212226	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	429088	20.00	ng	0.00
76) Chrysene-d12	21.58	240	397885	20.00	ng	0.00
86) Perylene-d12	24.70	264	440871	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	205644	44.86	ng	0.00
7) Phenol-d6	7.16	99	299227	42.91	ng	0.00
23) Nitrobenzene-d5	9.08	82	199288	28.43	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	116981	36.51	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	454022	31.44	ng	0.00
79) Terphenyl-d14	19.93	244	638103	32.50	ng	0.00

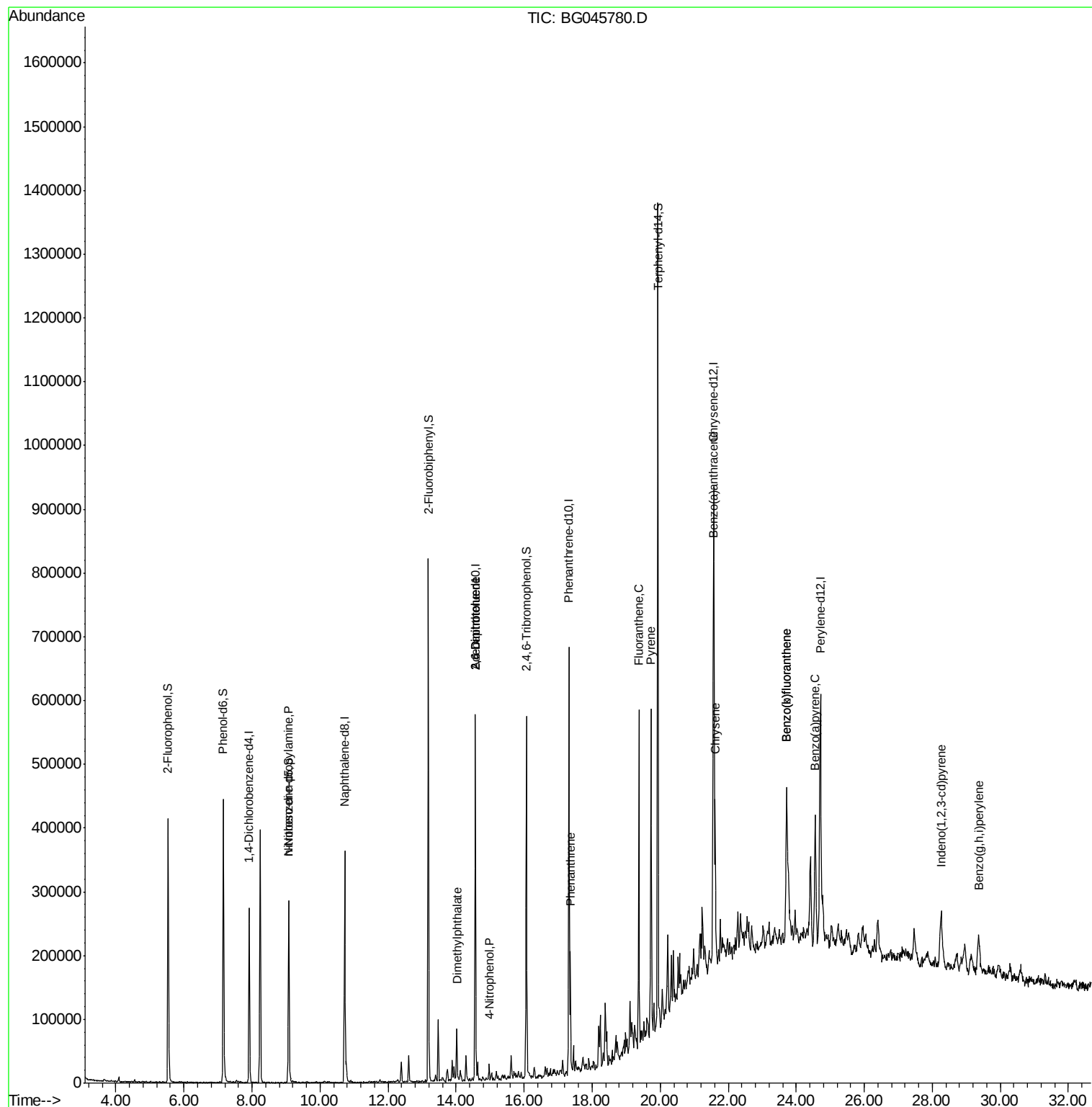
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.08	70	27672	6.036	ng	# 80
50) Dimethylphthalate	14.02	163	54693	3.290	ng	98
51) 2,6-Dinitrotoluene	14.56	165	28712	7.689	ng	# 26
56) 4-Nitrophenol	14.97	139	4034	5.408	ng	# 1
57) 2,4-Dinitrotoluene	14.56	165	28712	5.366	ng	# 25
71) Phenanthrene	17.36	178	120815	5.459	ng	96
75) Fluoranthene	19.37	202	325246	11.952	ng	99
78) Pyrene	19.73	202	348576	13.083	ng	98
81) Benzo(a)anthracene	21.56	228	189129	7.332	ng	97
83) Chrysene	21.62	228	202548	8.118	ng	98
87) Indeno(1,2,3-cd)pyrene	28.25	276	156256	4.889	ng	96
88) Benzo(b)fluoranthene	23.72	252	305214	11.042	ng	97
89) Benzo(k)fluoranthene	23.72	252	305214	11.537	ng	97
90) Benzo(a)pyrene	24.55	252	217138	8.409	ng	99
92) Benzo(a,h,i)perylene	29.36	276	156674	6.107	ng	# 96

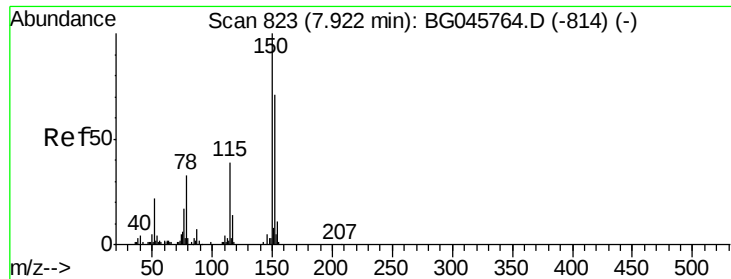
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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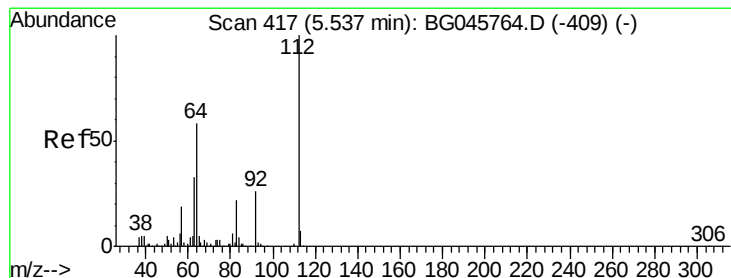
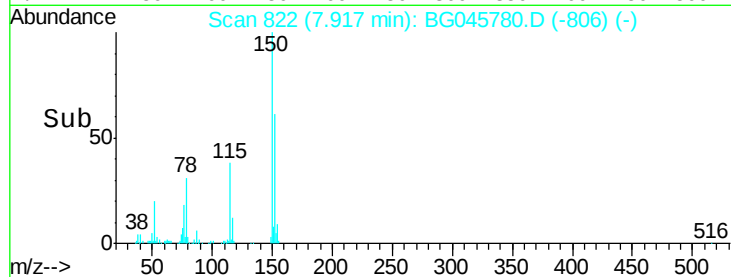
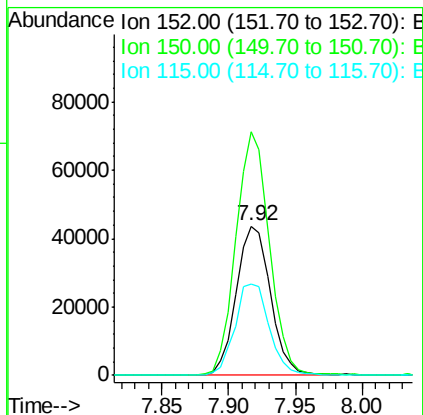
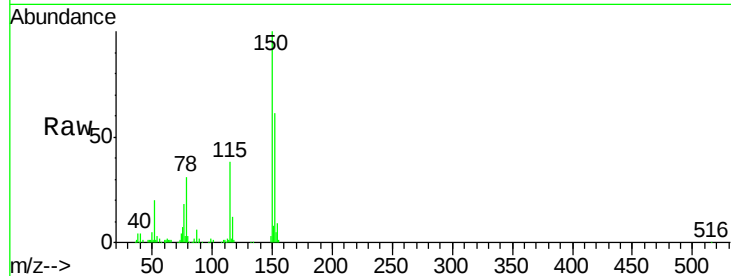


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

Instrument :
BNA_G
ClientSampleId :
OR-03-061520

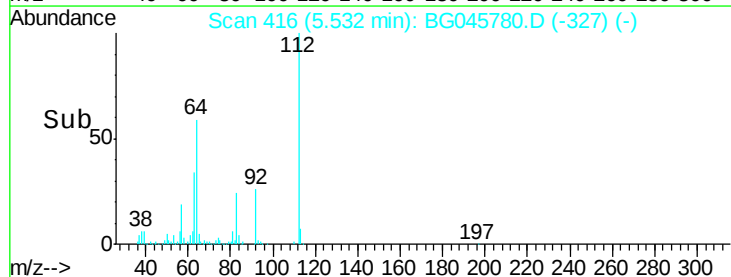
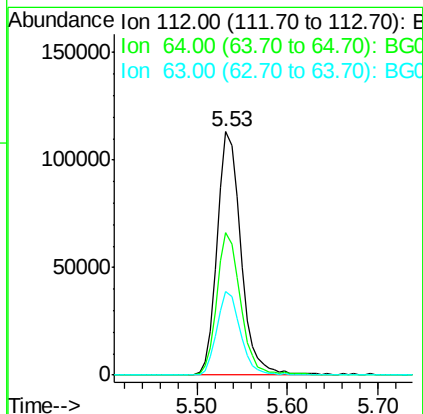
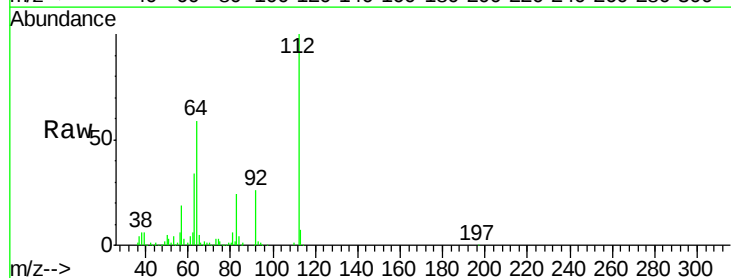
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	113.1	169.7
115	61.3	43.8	65.6

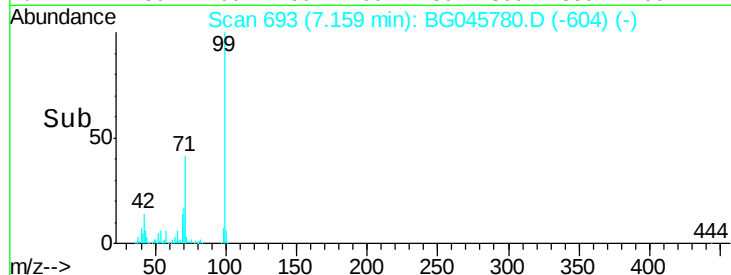
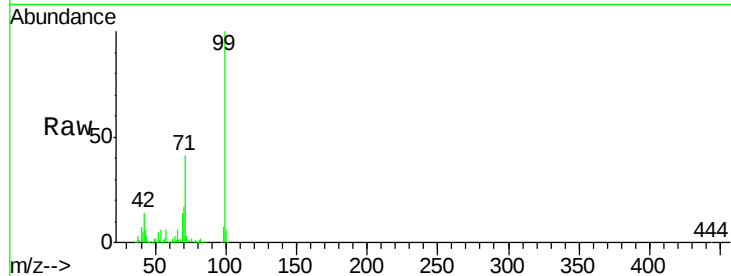
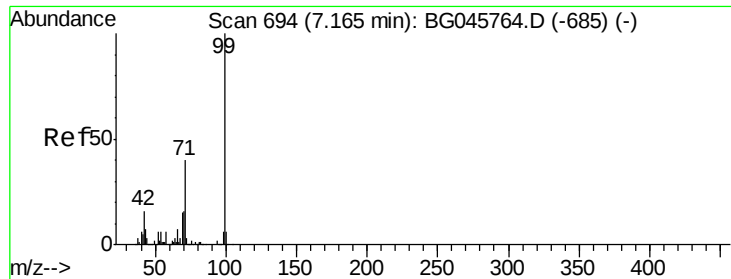


#5

2-Fluorophenol
Concen: 44.857 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.6	69.8
63	34.3	26.3	39.5





#7

Phenol-d6

Concen: 42.910 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

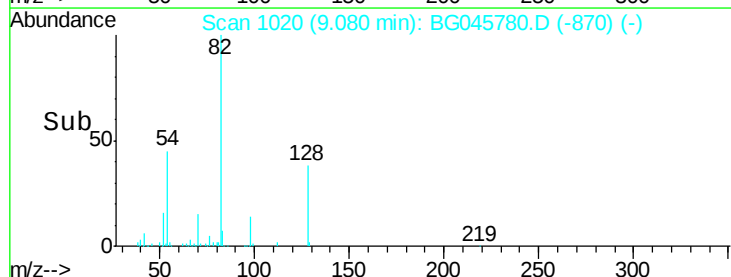
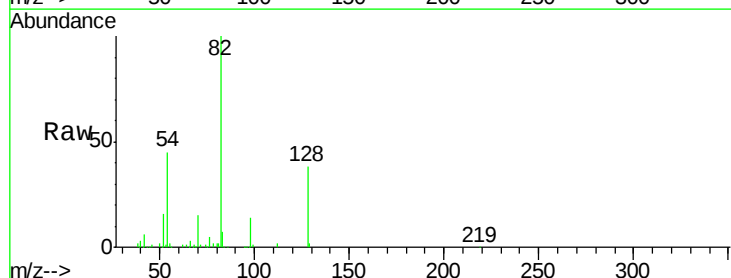
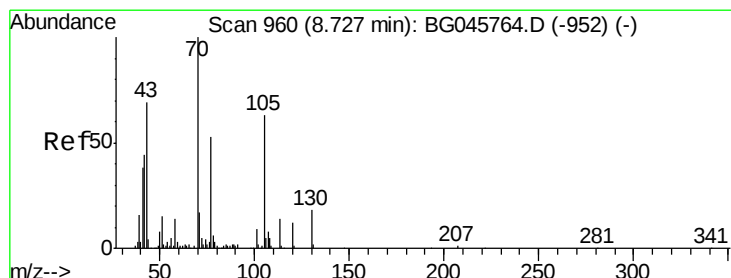
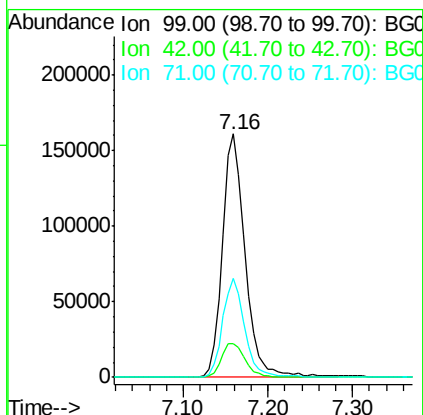
Tot Ion: 99 Resp: 299227

Ion Ratio Lower Upper

99 100

42 13.6 12.4 18.6

71 40.8 32.1 48.1



#19

n-Nitroso-di-n-propylamine

Concen: 6.036 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Tgt Ion: 70 Resp: 27672

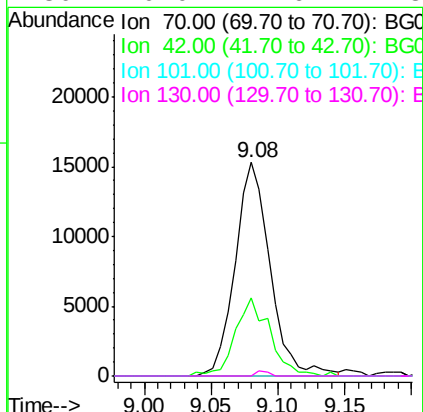
Ion Ratio Lower Upper

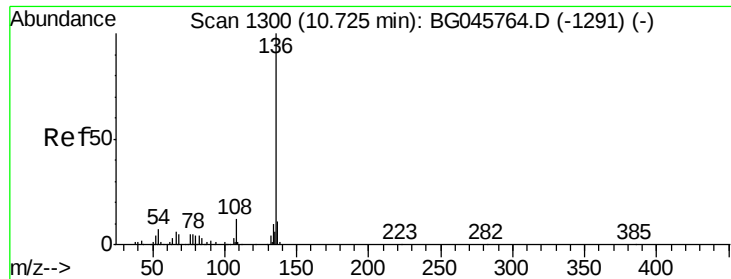
70 100

42 36.8 35.1 52.7

101 0.0 7.4 11.0#

130 0.0 14.6 21.8#

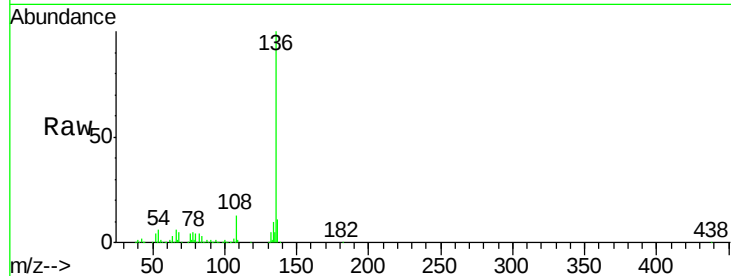




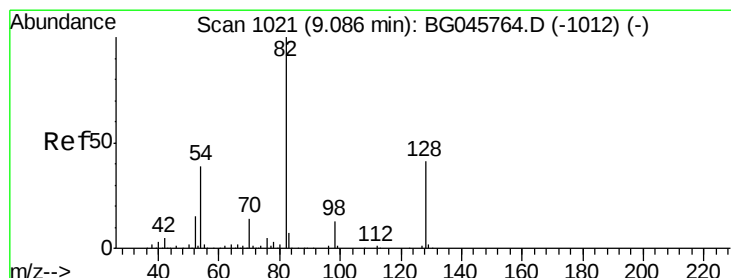
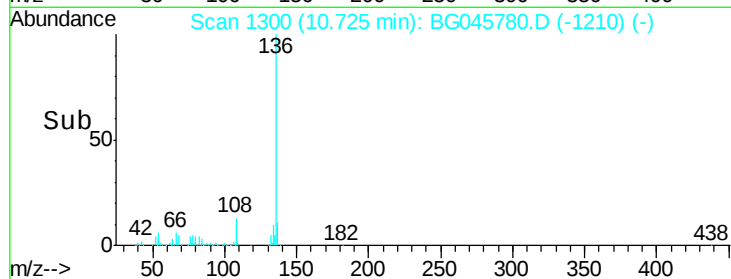
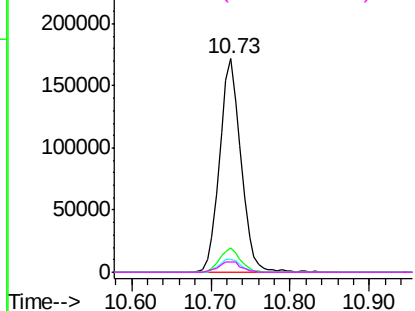
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

Instrument :
BNA_G
ClientSampleId :
OR-03-061520

Tot Ion:136	Resp:	320248
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.7	13.1
54 6.1	5.8	8.6
68 4.8	4.0	6.0

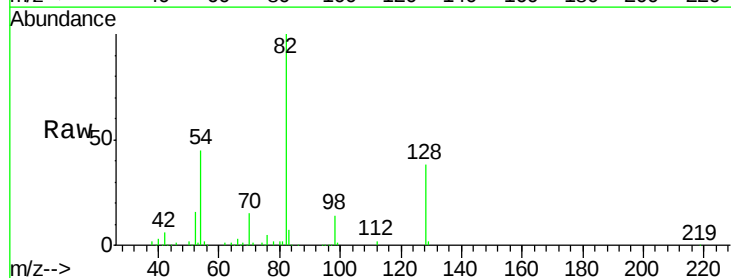


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

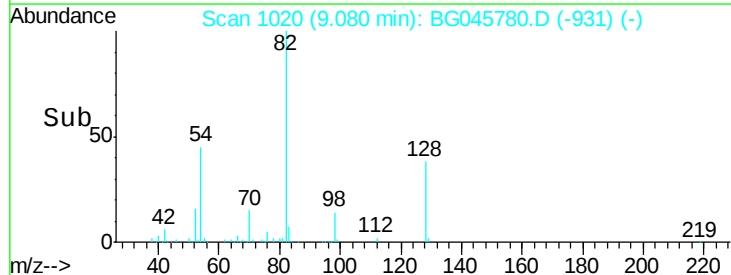
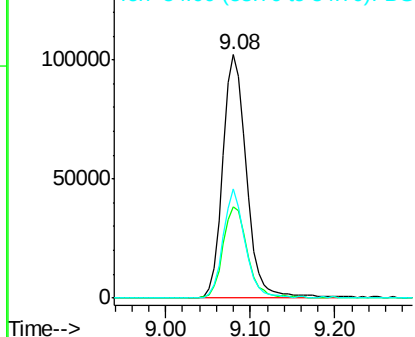


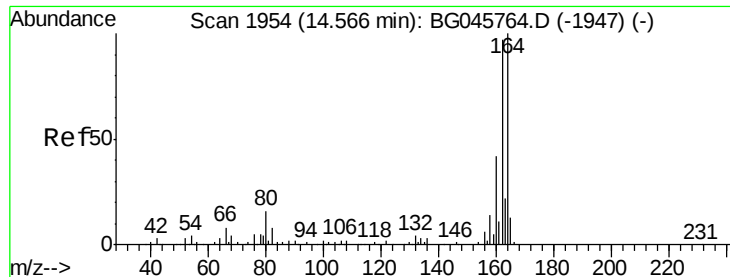
#23
Nitrobenzene-d5
Concen: 28.428 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

Tgt	Ion: 82	Resp:	199288
Ion	Ratio	Lower	Upper
82	100		
128	37.6	32.5	48.7
54	44.7	31.2	46.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

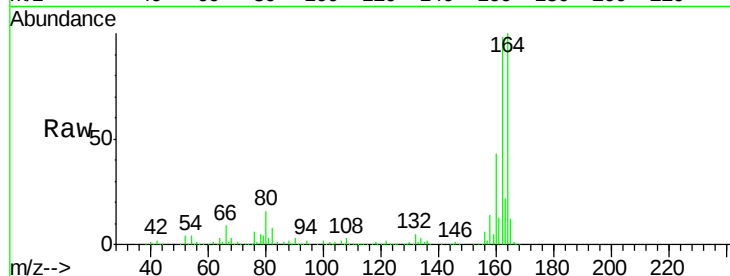
Tot Ion:164 Resp: 212226

Ion Ratio Lower Upper

164 100

162 97.9 77.4 116.0

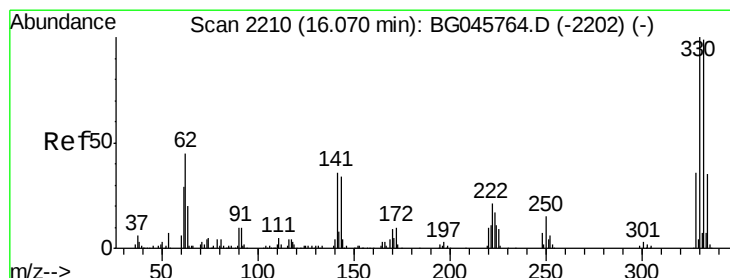
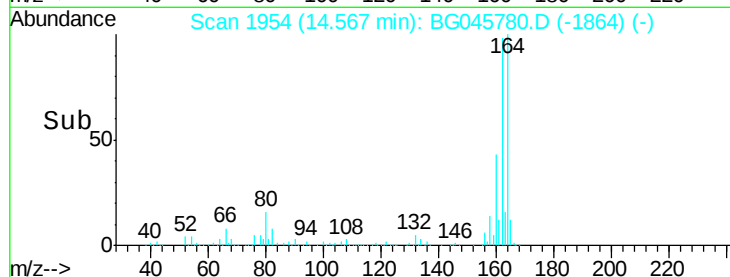
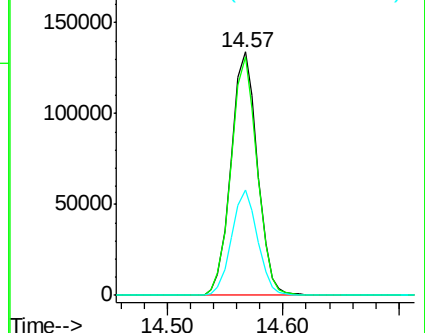
160 43.1 33.3 49.9



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: 36.510 ng

RT: 16.06 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

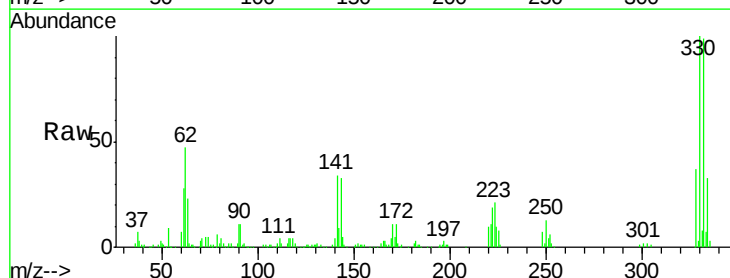
Tgt Ion:330 Resp: 116981

Ion Ratio Lower Upper

330 100

332 96.9 78.6 117.8

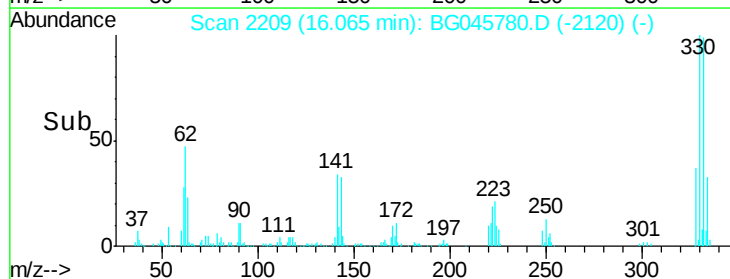
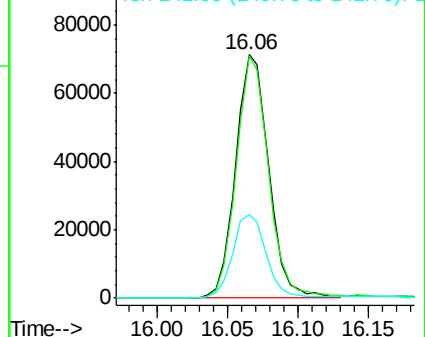
141 34.7 28.2 42.4

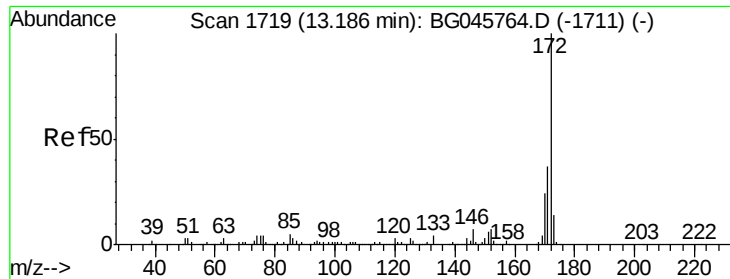


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

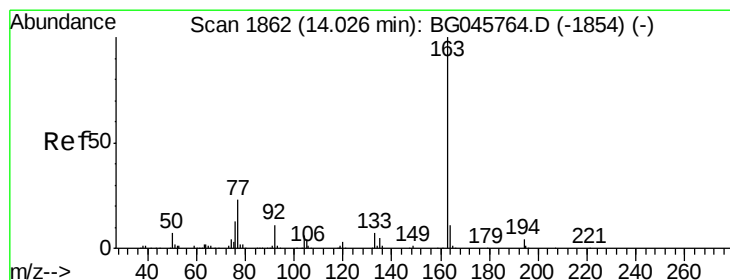
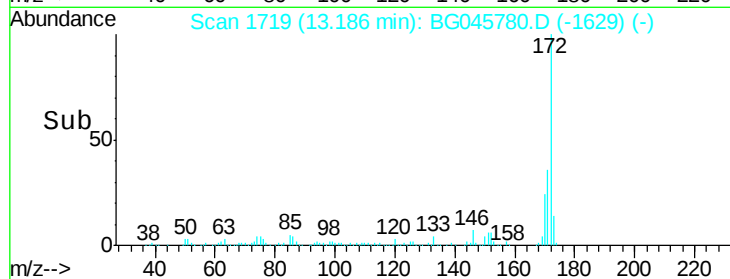
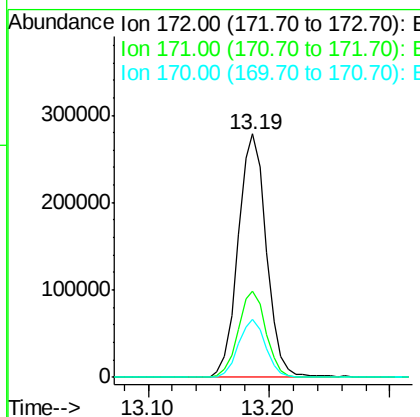
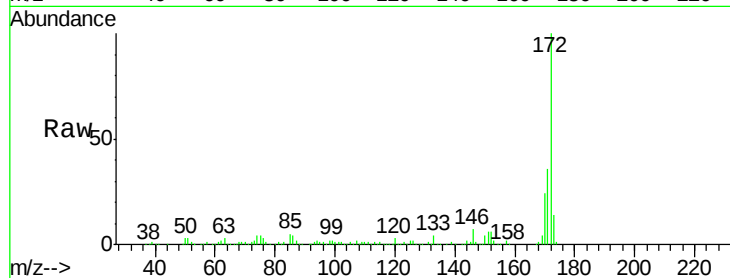




#45
2-Fluorobiphenyl
Concen: 31.439 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

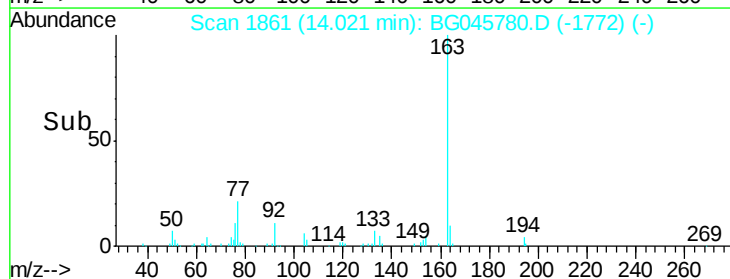
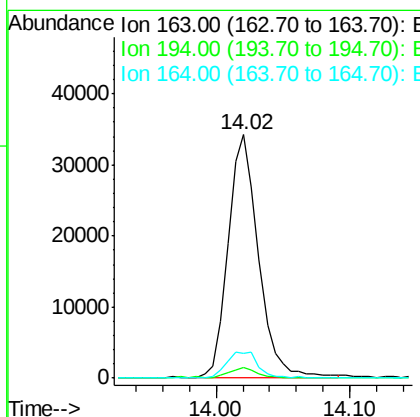
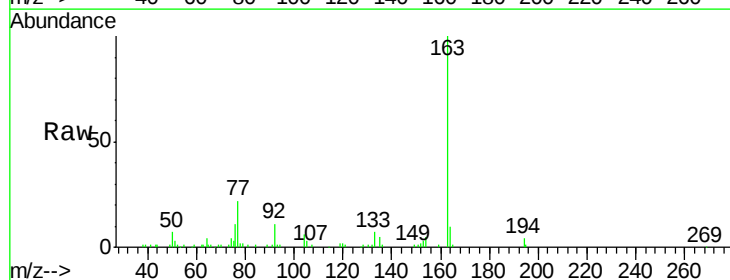
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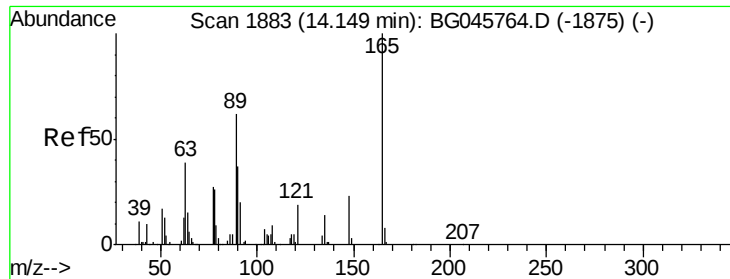
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	24.0	19.3	28.9



#50
Dimethylphthalate
Concen: 3.290 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.3	8.9	13.3

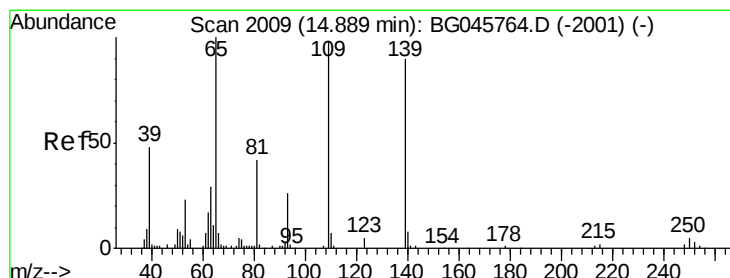
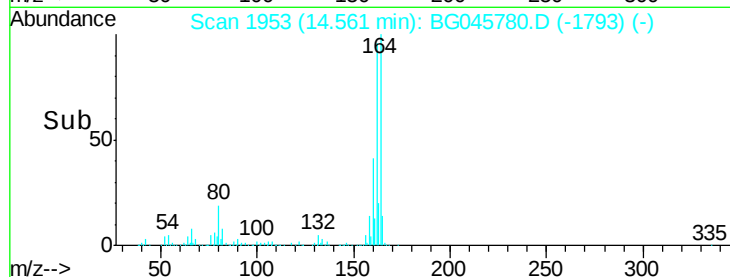
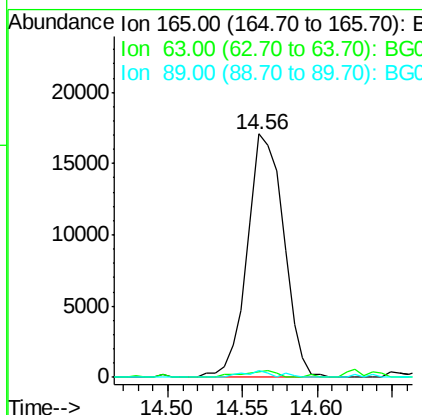
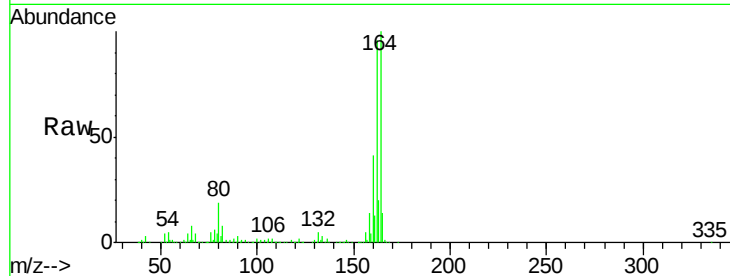




#51
 2,6-Dinitrotoluene
 Concen: 7.689 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.41 min
 Lab File: BG045780.D
 Acq: 16 Jun 2020 20:02

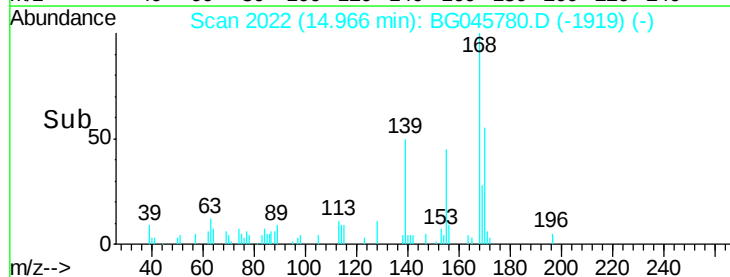
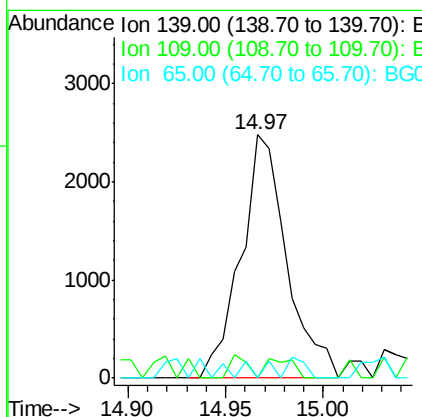
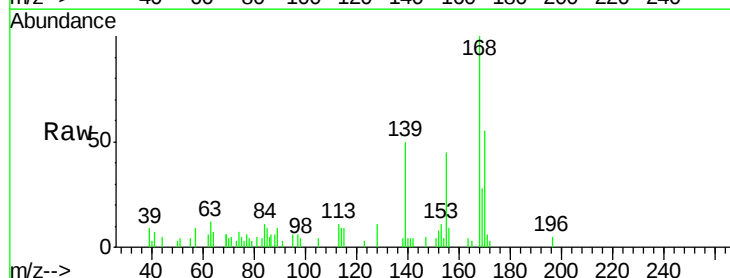
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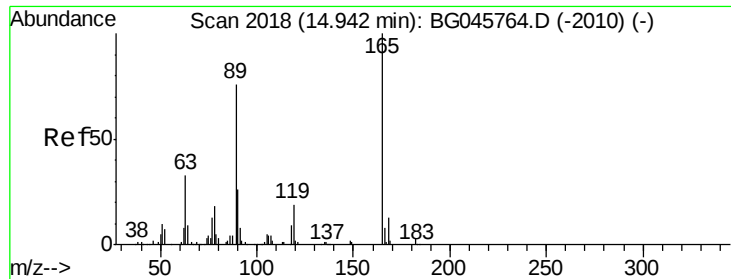
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	41.2	61.8#
89	3.0	49.7	74.5#



#56
 4-Nitrophenol
 Concen: 5.408 ng
 RT: 14.97 min Scan# 2022
 Delta R.T. 0.08 min
 Lab File: BG045780.D
 Acq: 16 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	88.9	128.9#
65	0.0	92.3	132.3#

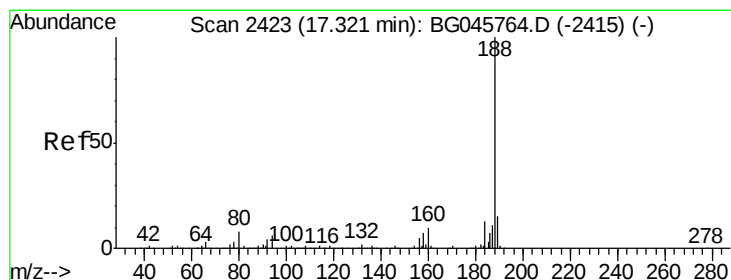
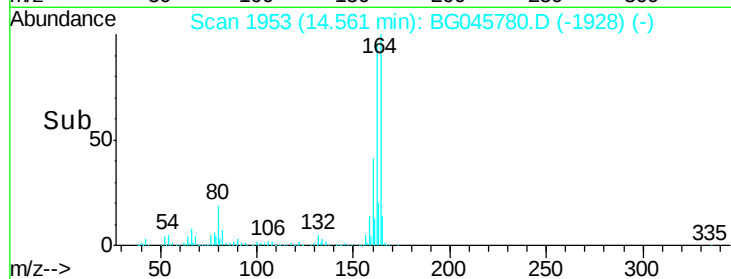
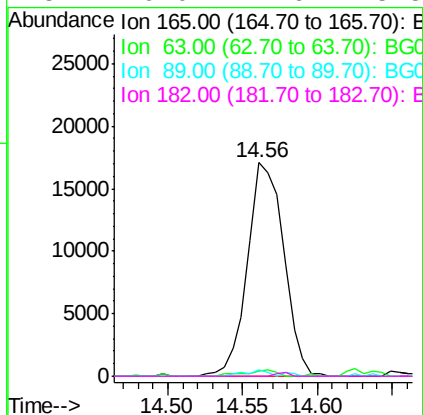
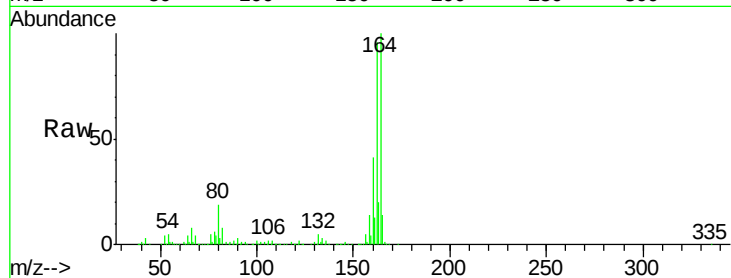




#57
 2,4-Dinitrotoluene
 Concen: 5.366 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.38 min
 Lab File: BG045780.D
 Acq: 16 Jun 2020 20:02

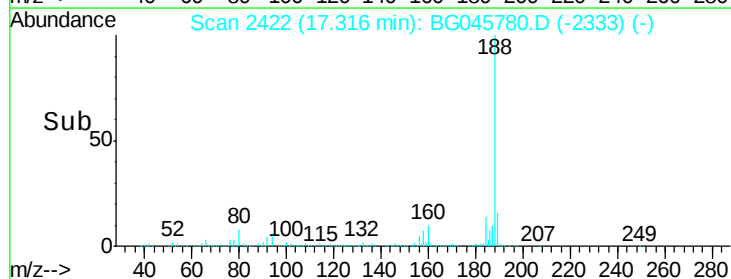
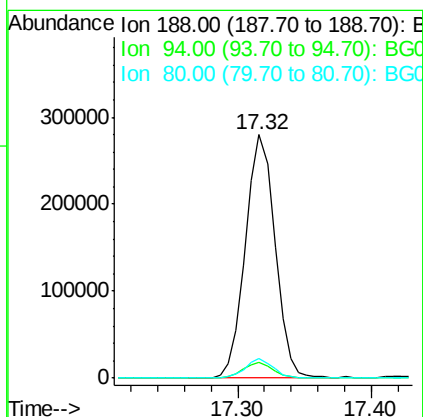
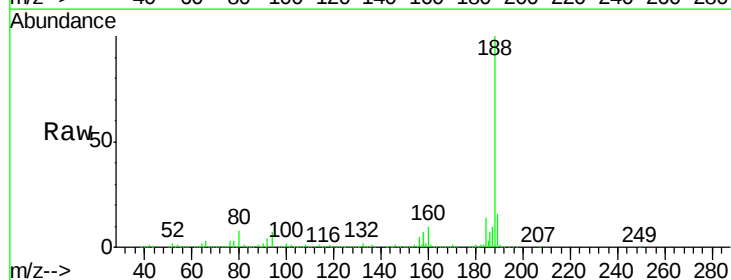
Instrument :
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 ClientSampleId :
 OR-03-061520

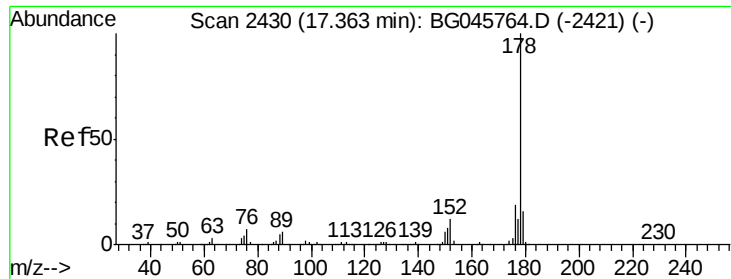
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 Ion Ratio Lower Upper
 165 100
 63 2.1 33.8 50.8#
 89 3.0 60.4 90.6#
 182 0.0 2.6 3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG045780.D
 Acq: 16 Jun 2020 20:02

Tgt Ion:188 Resp: 429088
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.1 7.7
 80 8.1 6.2 9.4





#71

Phenanthrene

Concen: 5.459 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

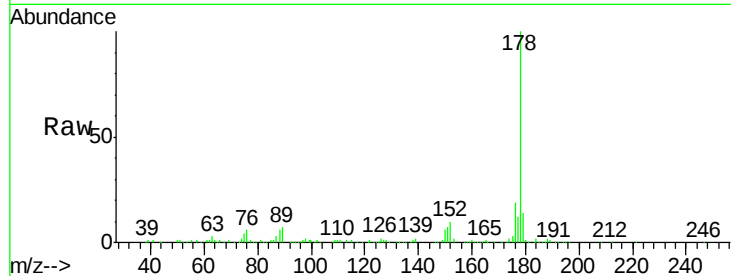
Tot Ion:178 Resp: 120815

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.1	13.2	19.8

178 100

176 18.6 15.5 23.3

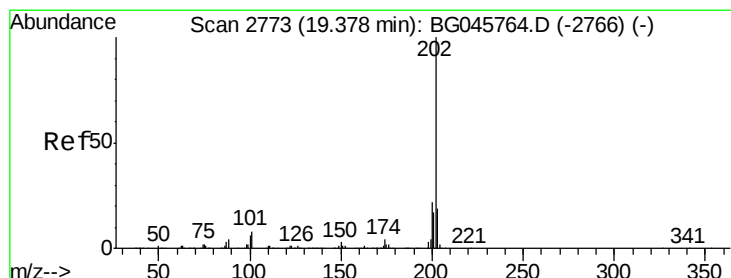
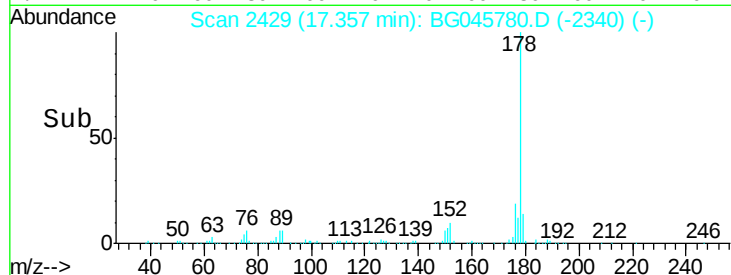
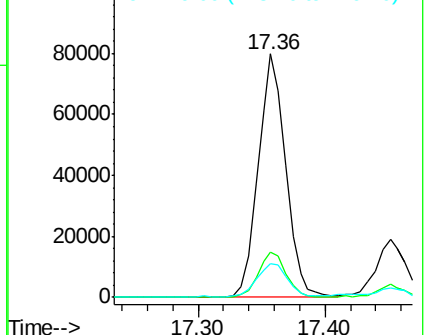
179 14.1 13.2 19.8



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



#75

Fluoranthene

Concen: 11.952 ng

RT: 19.37 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

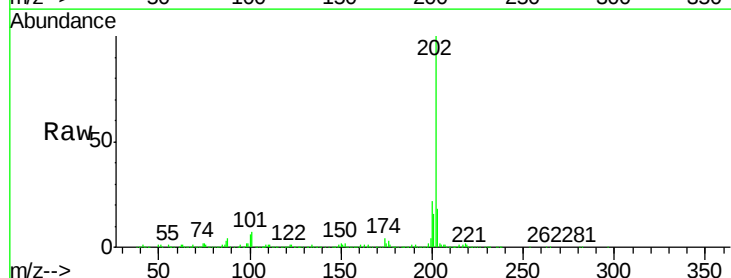
Tgt Ion:202 Resp: 325246

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	27.7
203	18.2	0.0	38.7

202 100

101 7.4 0.0 27.7

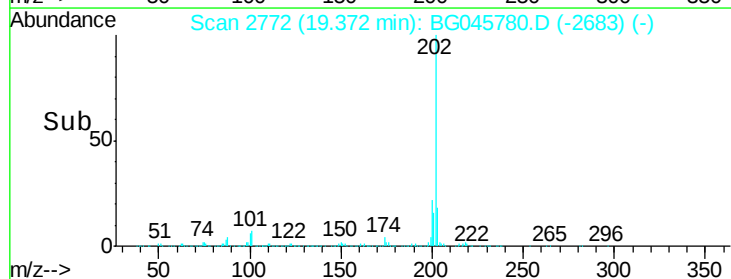
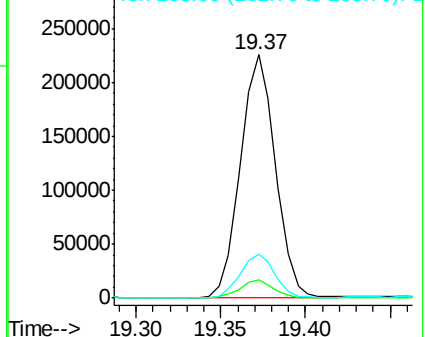
203 18.2 0.0 38.7

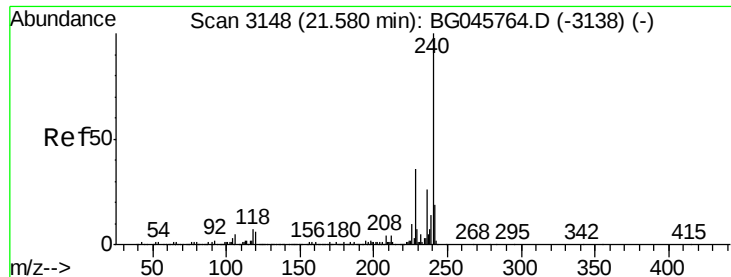


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

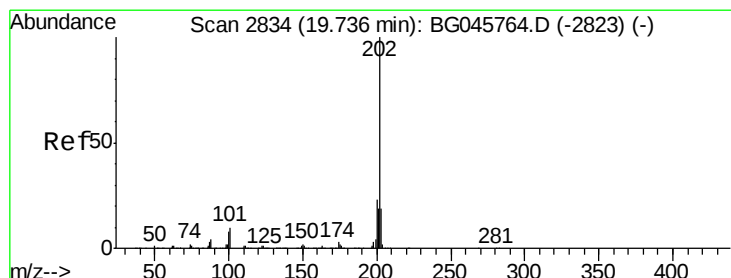
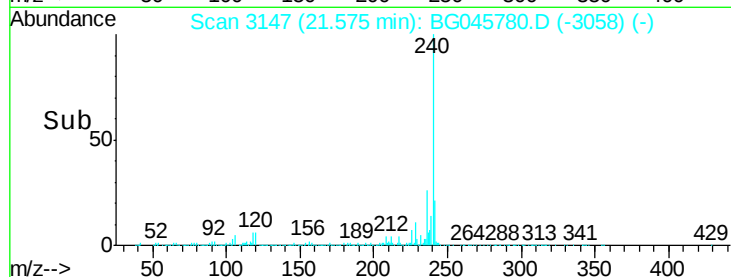
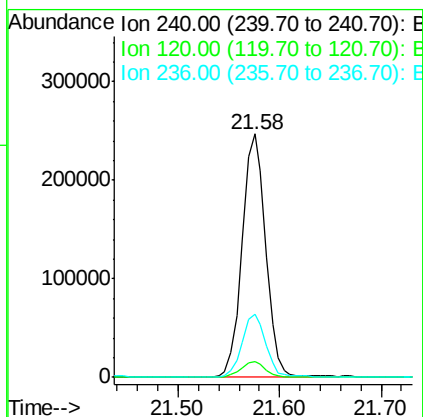
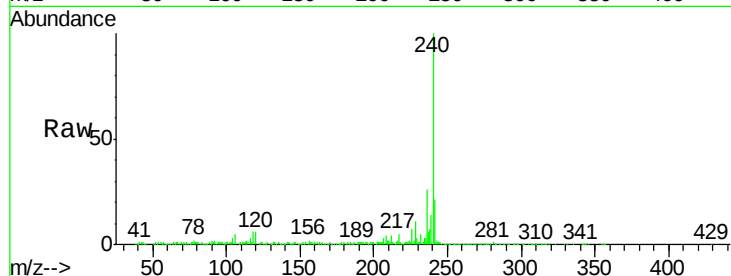




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

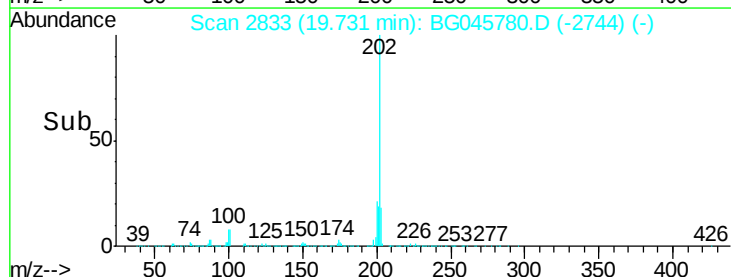
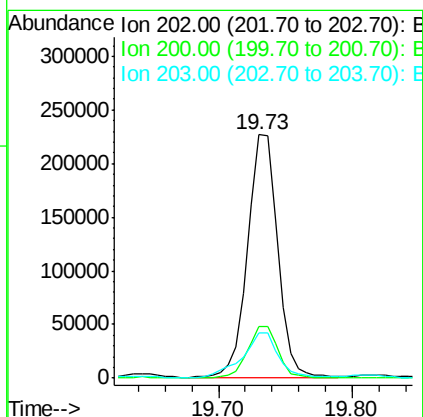
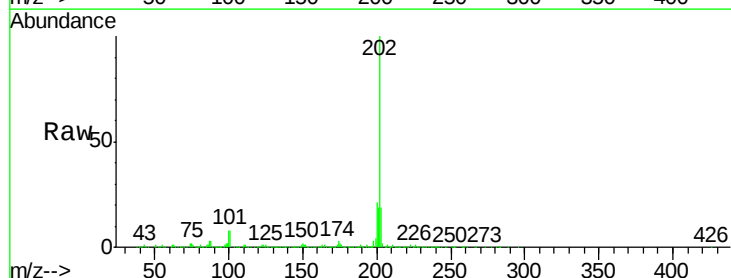
Instrument :
BNA_G
ClientSampleId :
OR-03-061520

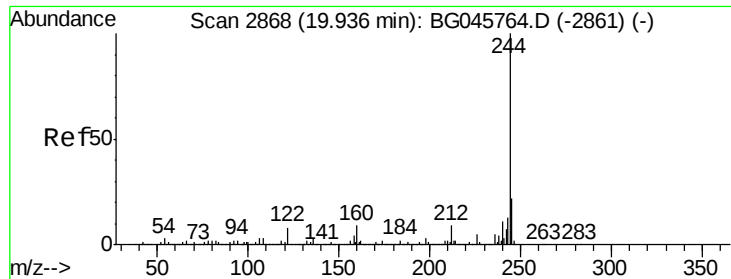
Tot Ion:240 Resp: 397885
Ion Ratio Lower Upper
240 100
120 6.4 5.0 7.4
236 26.0 20.6 30.8



#78
Pyrene
Concen: 13.083 ng
RT: 19.73 min Scan# 2833
Delta R.T. -0.01 min
Lab File: BG045780.D
Acq: 16 Jun 2020 20:02

Tgt Ion:202 Resp: 348576
Ion Ratio Lower Upper
202 100
200 21.1 18.2 27.2
203 18.6 14.8 22.2





#79

Terphenyl-d14

Concen: 32.501 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

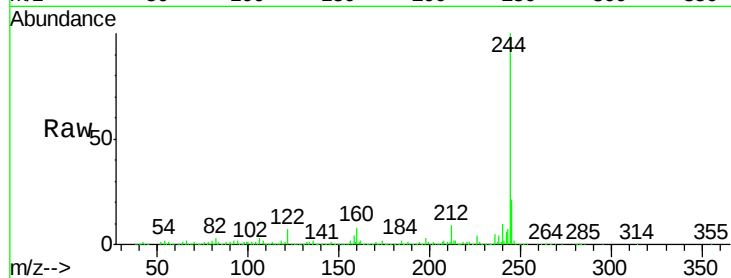
Tot Ion:244 Resp: 638103

Ion Ratio Lower Upper

244 100

212 8.6 7.2 10.8

122 7.3 6.4 9.6



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

600000

500000

400000

300000

200000

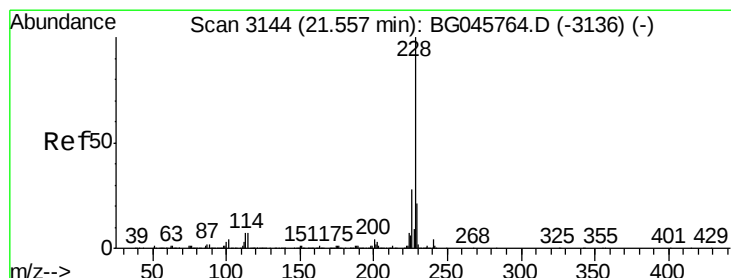
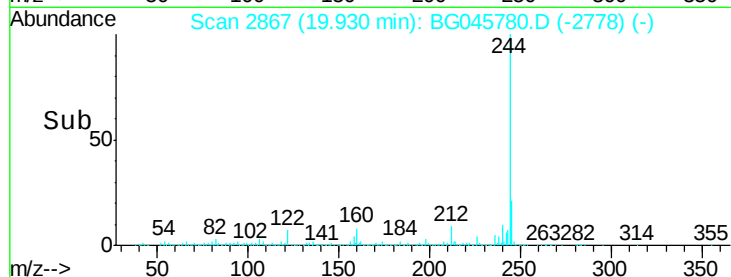
100000

0

19.93

19.80 19.90 20.00 20.10

Time-->



#81

Benzo(a)anthracene

Concen: 7.332 ng

RT: 21.56 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

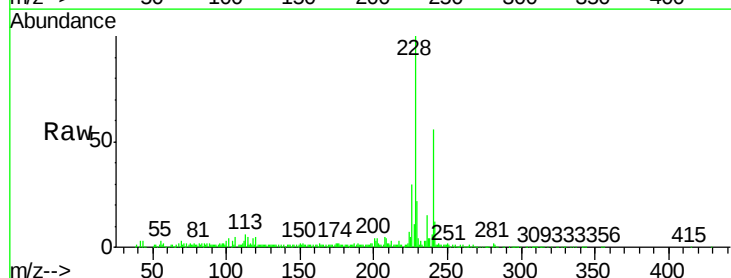
Tgt Ion:228 Resp: 189129

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

229 22.0 16.6 24.8



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

150000

100000

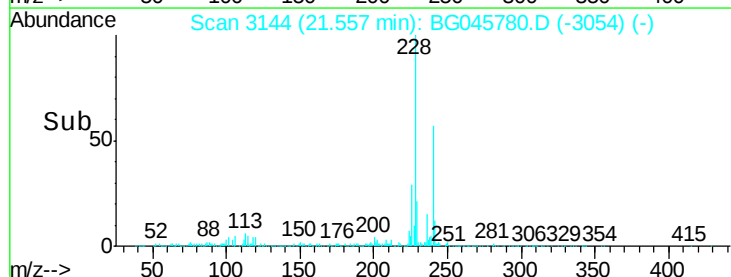
50000

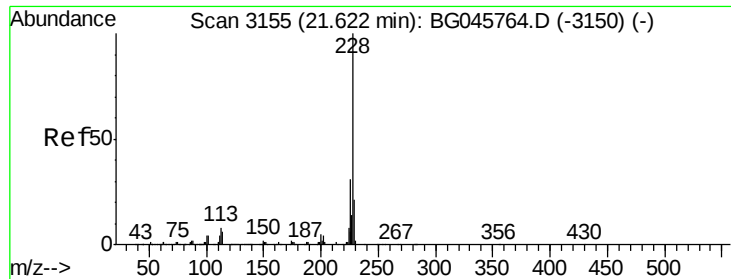
0

21.56

21.50 21.55 21.60

Time-->





#83

Chrysene

Concen: 8.118 ng

RT: 21.62 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

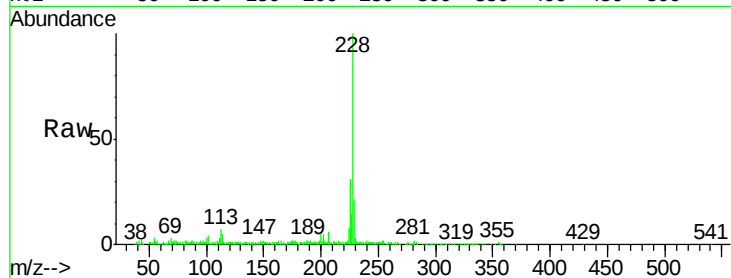
Tot Ion:228 Resp: 202548

Ion Ratio Lower Upper

228 100

226 30.6 25.1 37.7

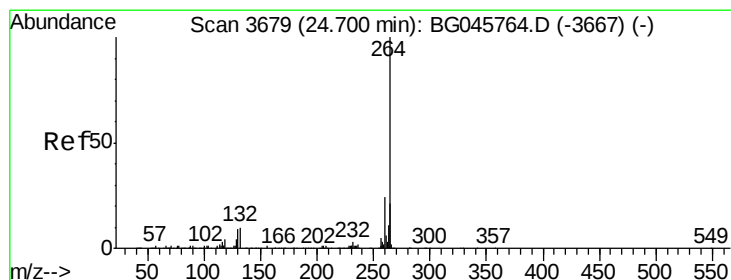
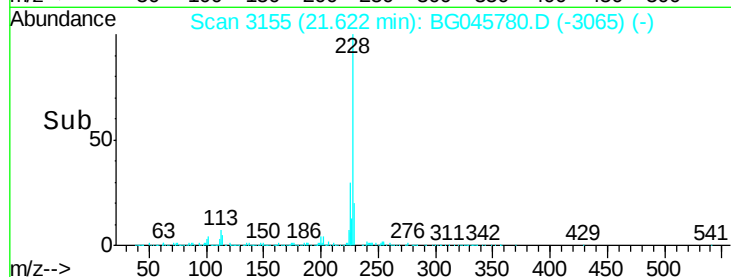
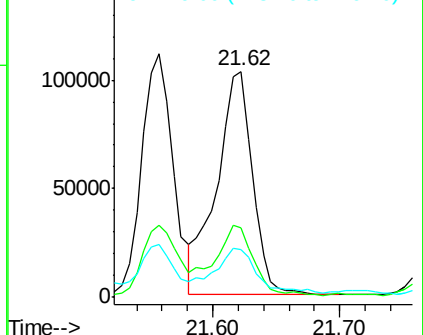
229 21.3 16.4 24.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

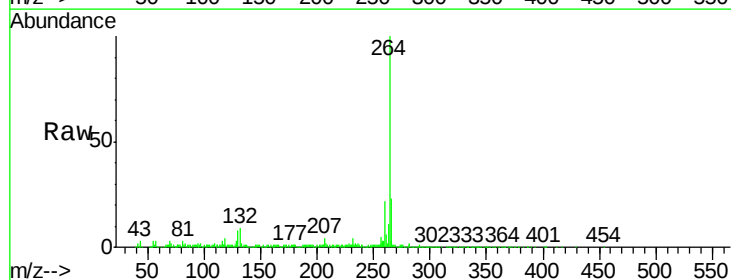
Tgt Ion:264 Resp: 440871

Ion Ratio Lower Upper

264 100

260 22.0 19.0 28.4

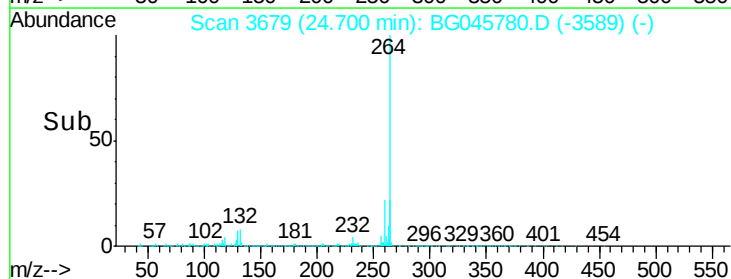
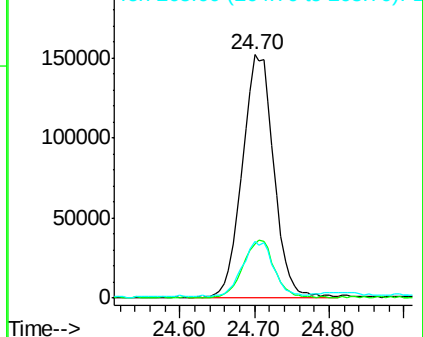
265 23.1 17.4 26.0

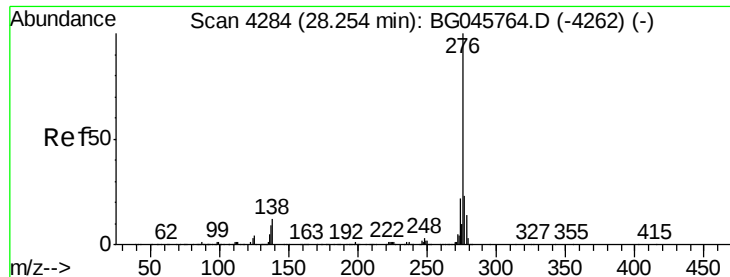


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

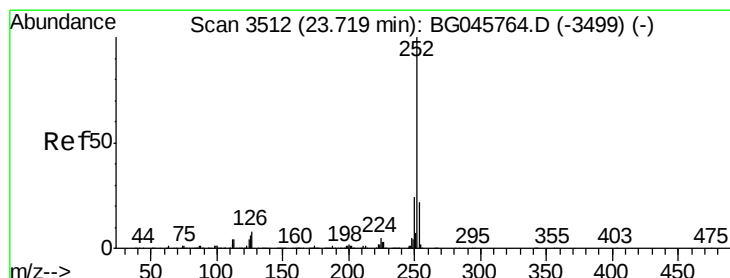
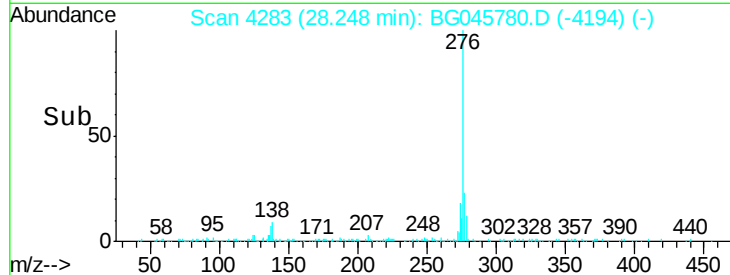
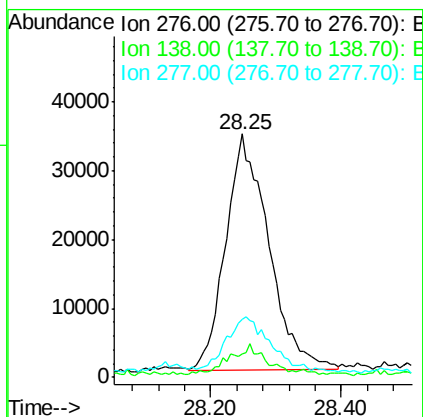
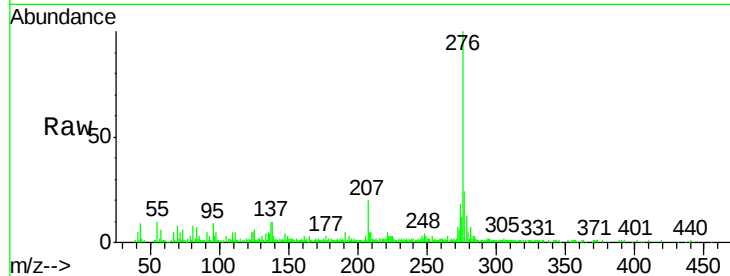




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.889 ng
 RT: 28.25 min Scan# 4283
 Delta R.T. -0.01 min
 Lab File: BG045780.D
 Acq: 16 Jun 2020 20:02

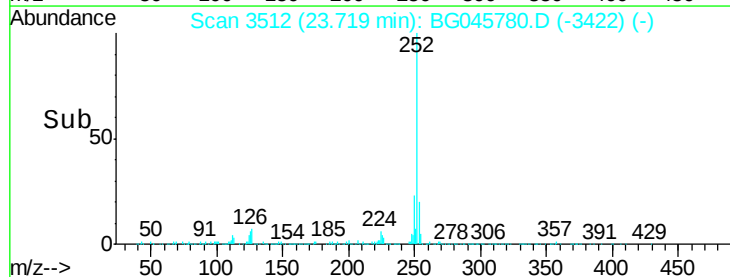
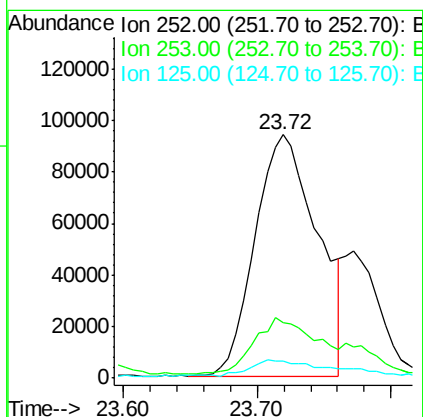
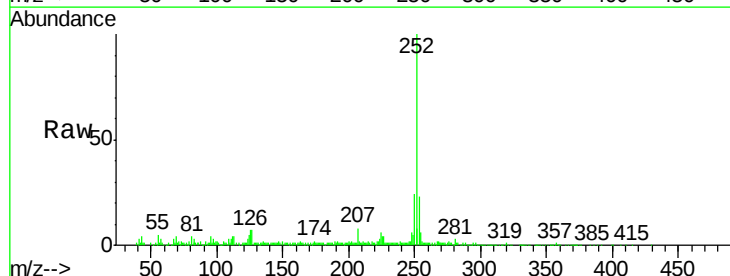
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-061520

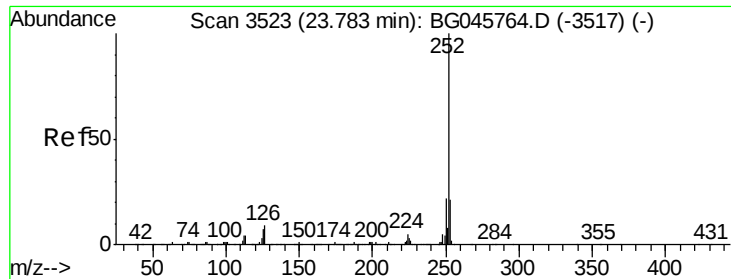
Tot Ion	Ratio	Lower	Upper
276	100		
138	6.9	5.4	8.0
277	23.0	20.6	30.8



#88
 Benzo(b)fluoranthene
 Concen: 11.042 ng
 RT: 23.72 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: BG045780.D
 Acq: 16 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	7.1	5.0	7.4





#89

Benzo(k)fluoranthene

Concen: 11.537 ng

RT: 23.72 min Scan# 3512

Delta R.T. -0.06 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

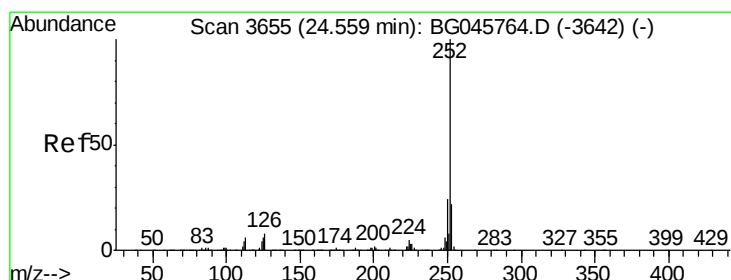
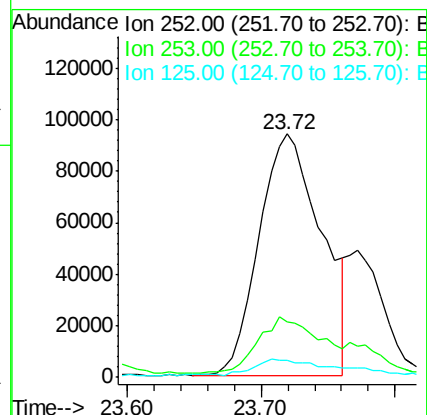
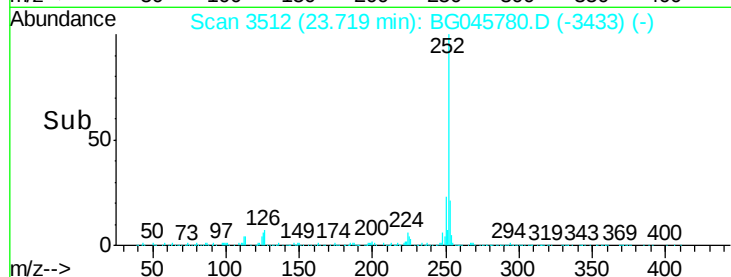
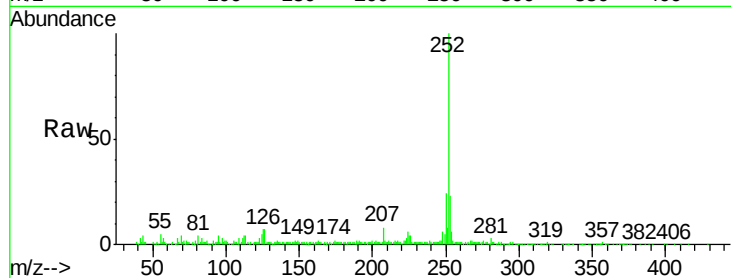
Tot Ion:252 Resp: 305214

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 7.1 5.2 7.8



#90

Benzo(a)pyrene

Concen: 8.409 ng

RT: 24.55 min Scan# 3654

Delta R.T. -0.01 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

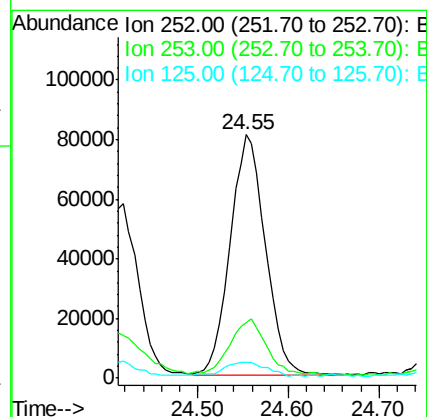
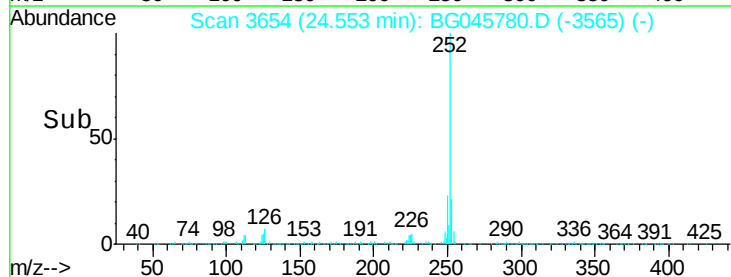
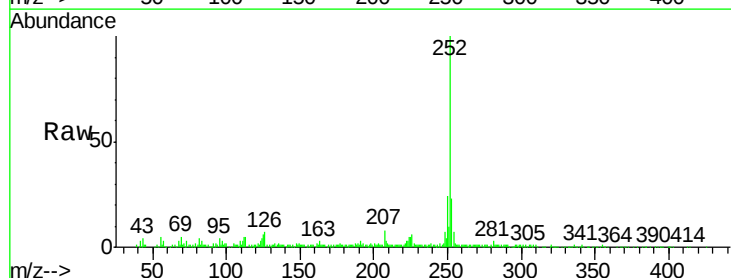
Tgt Ion:252 Resp: 217138

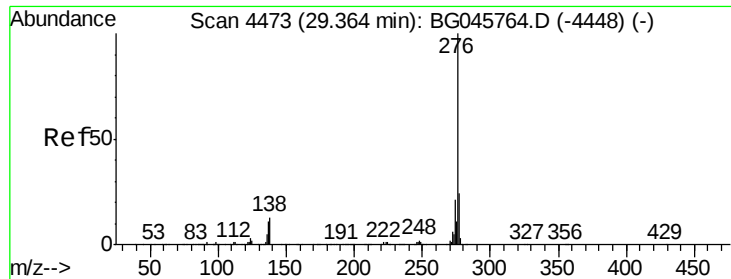
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 6.2 5.0 7.6





#92

Benzo(a,h,i)perylene

Concen: 6.107 ng

RT: 29.36 min Scan# 4473

Delta R.T. 0.00 min

Lab File: BG045780.D

Acq: 16 Jun 2020 20:02

Instrument :

BNA_G

ClientSampleId :

OR-03-061520

Tot Ion:276 Resp: 156674

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 10.2 10.6 15.8#

