

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\
 Data File : BG045682.D
 Acq On : 10 Jun 2020 5:56
 Operator : CG/JU
 Sample : L2815-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

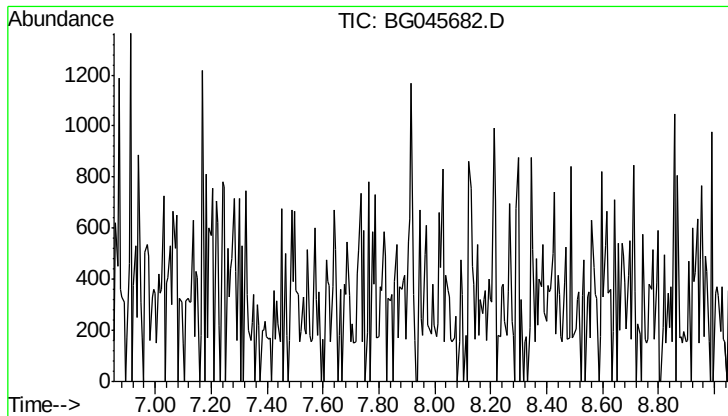
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-060520

Quant Time: Jun 10 07:41:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.95
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.76
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.60
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.34
76) Chrysene-d12	22.04	240	54	20.00	ng	0.43
87) Perylene-d12	25.13	264	59	20.00	ng	0.38
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.28	99	54	0.00	ng	0.13
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.22	172	61	0.00	ng	0.00
79) Terphenyl-d14	20.01	244	70	30.23	ng	0.05
Target Compounds						
77) Benzidine	20.02	184	58	38.243	ng	# 66
78) Pyrene	19.98	202	67	21.766	ng	# 55
80) Butylbenzylphthalate	21.06	149	362	272.454	ng	# 76
81) Benzo(a)anthracene	22.14	228	57	18.948	ng	# 50
82) 3,3'-Dichlorobenzidine	21.93	252	62	52.543	ng	# 25
83) Chrysene	22.14	228	57	19.706	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.93	149	54	29.566	ng	# 53
85) Di-n-octyl phthalate	23.14	149	158	50.368	ng	# 82
86) Indeno(1,2,3-cd)pyrene	29.17	276	64	16.920	ng	# 56
88) Benzo(b)fluoranthene	24.14	252	58	18.330	ng	# 1
89) Benzo(k)fluoranthene	24.14	252	58	19.511	ng	# 1
90) Benzo(a)pyrene	25.04	252	57	19.342	ng	# 1
91) Dibenzo(a,h)anthracene	28.49	278	61	20.598	ng	# 1
92) Benzo(a,h,i)perylene	29.48	276	54	18.232	ng	# 58

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

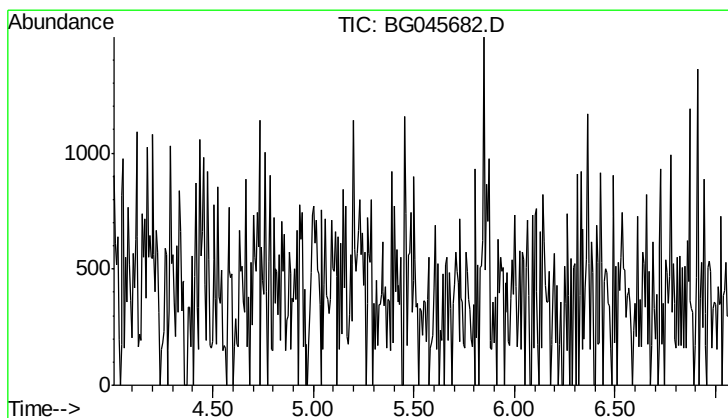
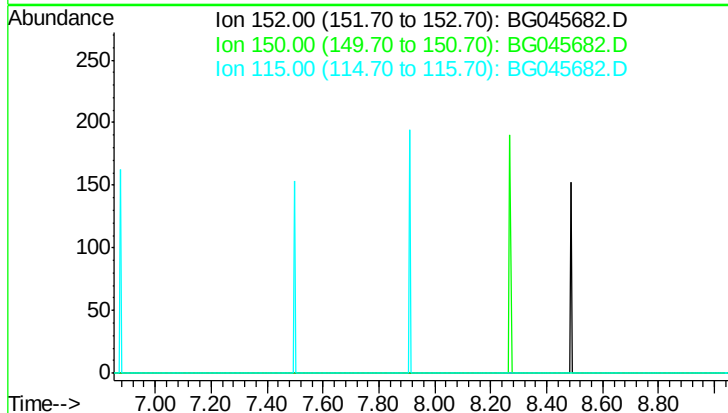
```
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\  
Data File : BG045682.D  
Acq On    : 10 Jun 2020    5:56  
Operator  : CG/JU  
Sample    : L2815-05  
Misc      :  
ALS Vial  : 26    Sample Multiplier: 1
```



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.95 min
 Lab File: BG045682.D
 Acq: 10 Jun 2020 5:56

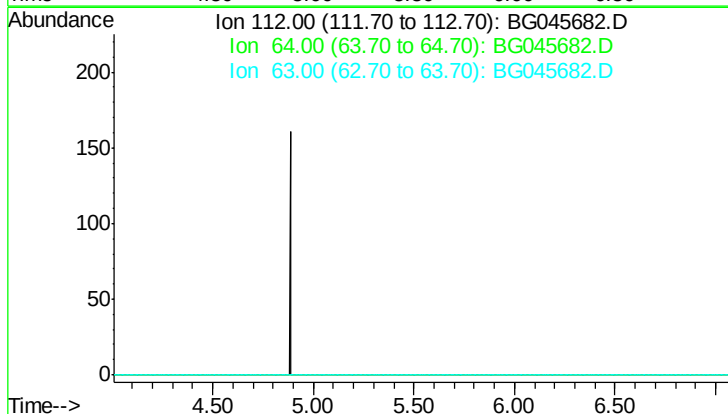
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-060520

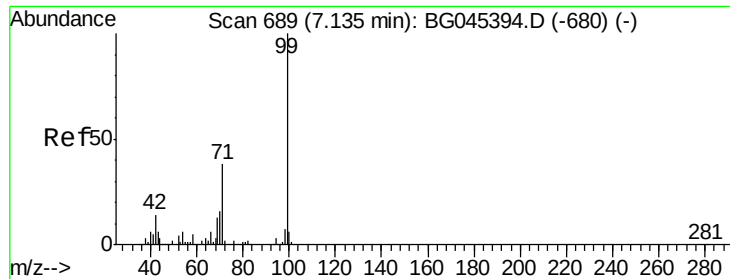
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 153.0
 115 55.3



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.54 min
 Lab File: BG045682.D
 Acq: 10 Jun 2020 5:56

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 60.7
 63 33.1





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.28 min Scan# 713

Delta R.T. 0.13 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

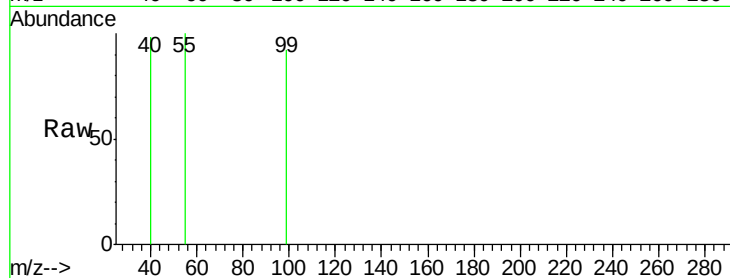
Tot Ion: 99 Resp: 54

Ion Ratio Lower Upper

99 100

42 0.0 11.3 16.9#

71 0.0 30.8 46.2#



Abundance Ion 99.00 (98.70 to 99.70): BG045682.D

Ion 42.00 (41.70 to 42.70): BG045682.D

Ion 71.00 (70.70 to 71.70): BG045682.D

7.28

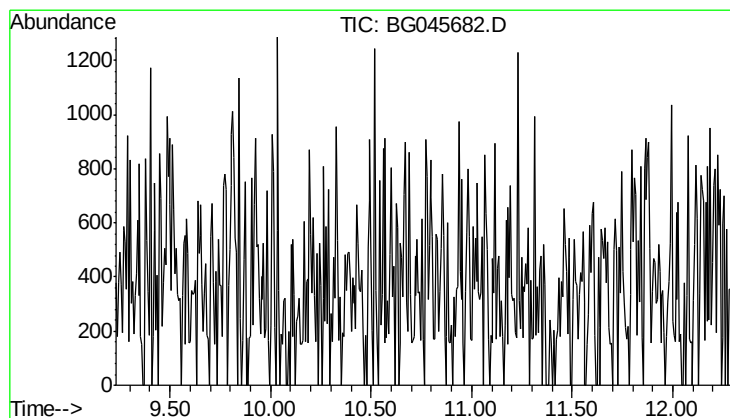
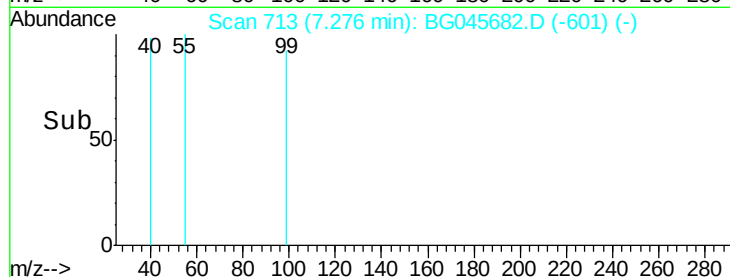
150

100

50

0

Time-->



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.76 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Tgt Ion: 136

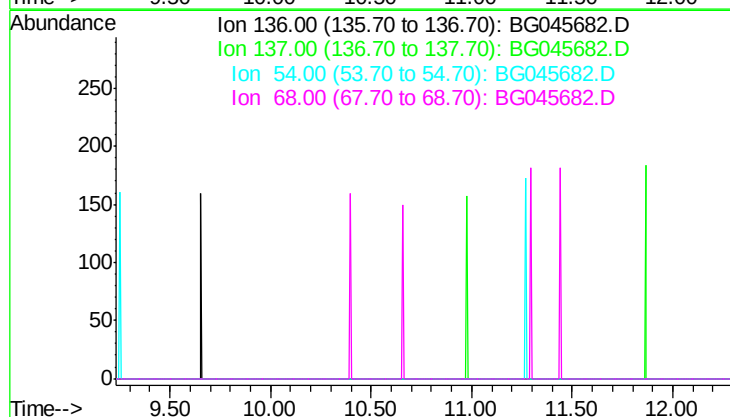
Sig Exp Ratio

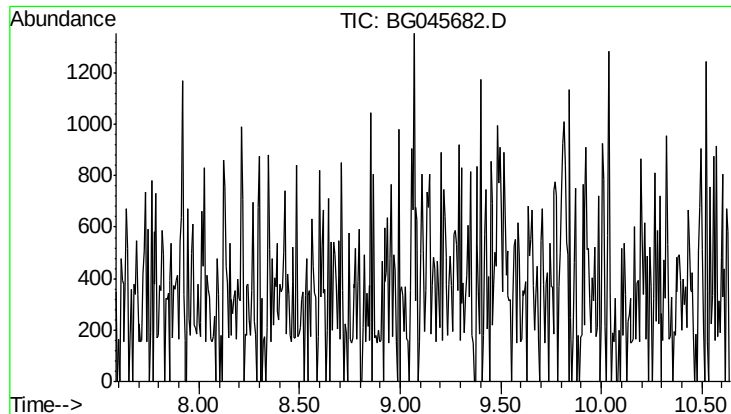
136 100

137 11.8

54 7.2

68 5.6

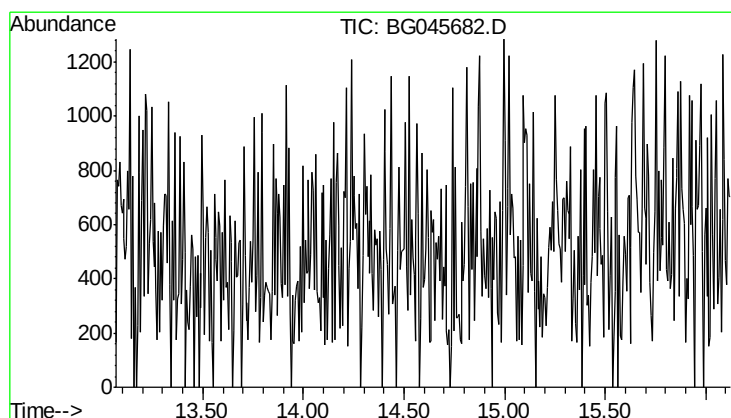
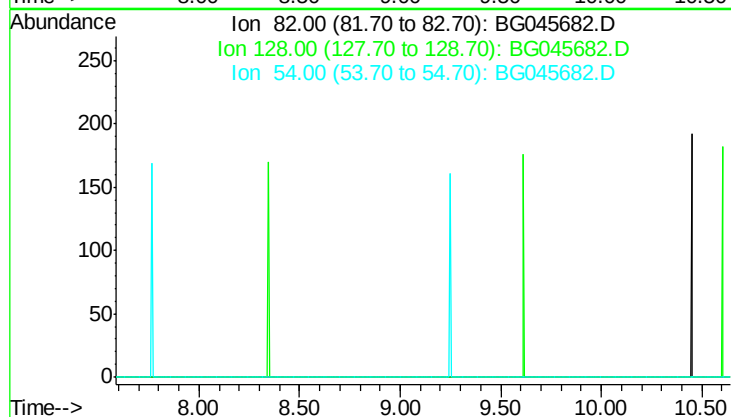




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.11 min
 Lab File: BG045682.D
 Acq: 10 Jun 2020 5:56

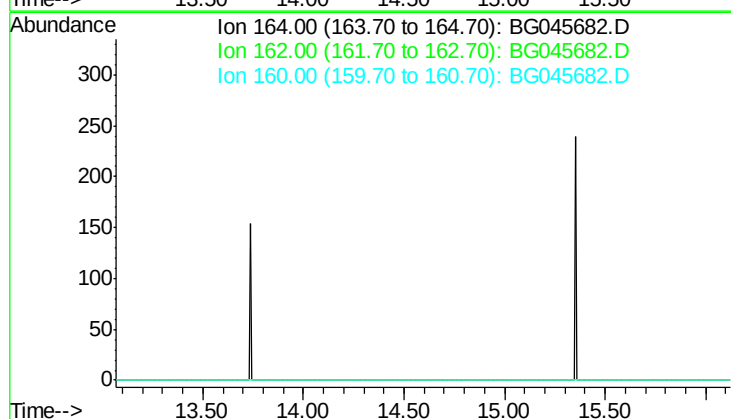
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-060520

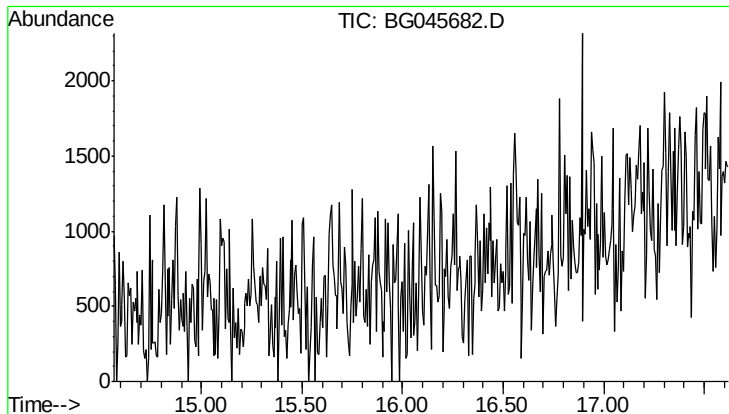
Tot Ion	82
Sig	Exp Ratio
82	100
128	38.6
54	37.9



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.60 min
 Lab File: BG045682.D
 Acq: 10 Jun 2020 5:56

Tgt Ion	164
Sig	Exp Ratio
164	100
162	96.1
160	42.3





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.09 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

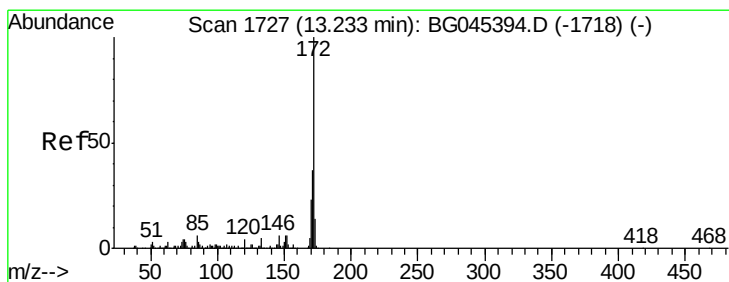
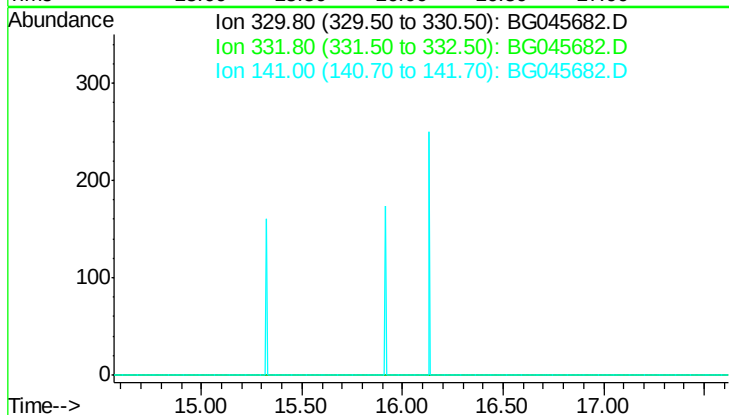
Tot Ion: 330

Sig Exp Ratio

330 100

332 97.8

141 35.3



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 13.22 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

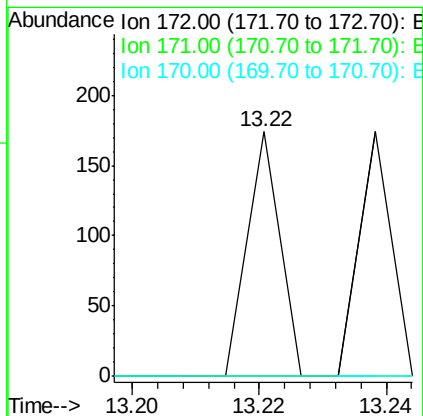
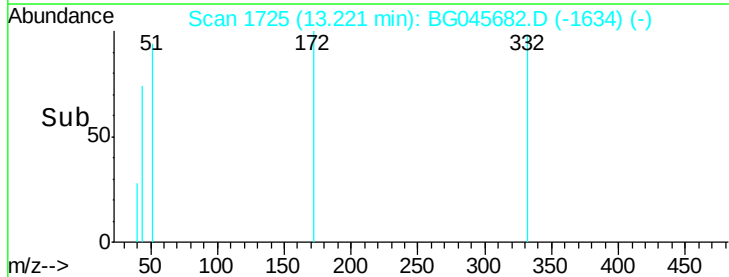
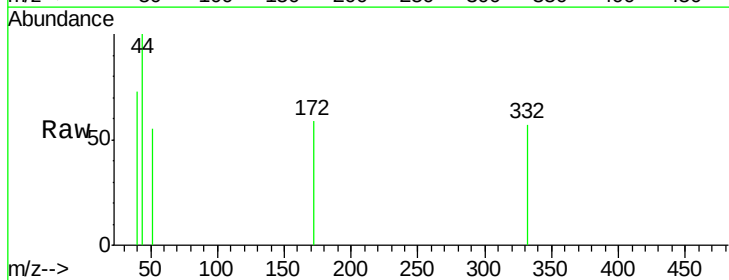
Tgt Ion: 172 Resp: 61

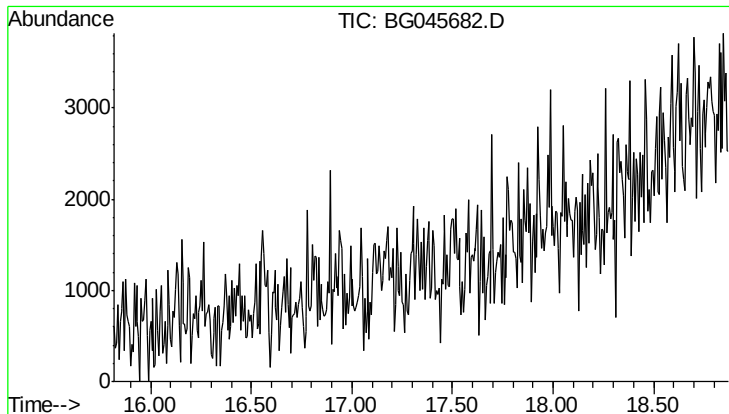
Ion Ratio Lower Upper

172 100

171 0.0 29.5 44.3#

170 0.0 18.5 27.7#

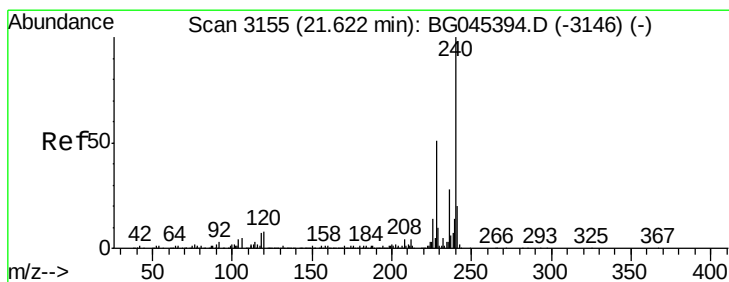
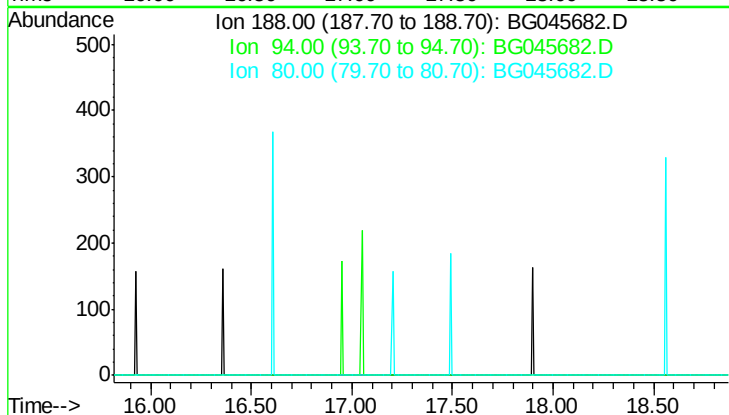




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.34 min
 Lab File: BG045682.D
 Acq: 10 Jun 2020 5:56

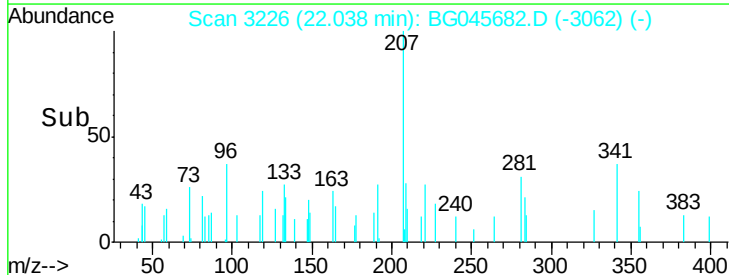
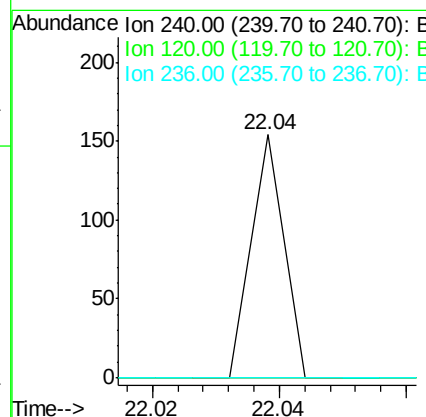
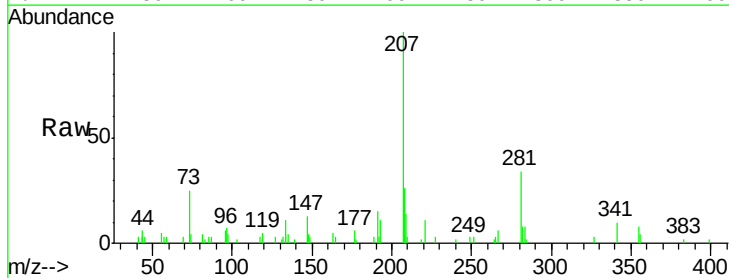
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-060520

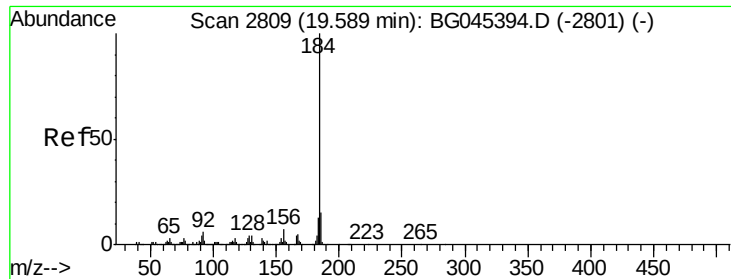
Tot Ion	188
Exp Ratio	100
94	6.9
80	8.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.04 min Scan# 3226
 Delta R.T. 0.43 min
 Lab File: BG045682.D
 Acq: 10 Jun 2020 5:56

Tgt Ion	240	Resp	Lower	Upper
Ion Ratio	100			
120	0.0	6.1	9.1#	
236	0.0	22.3	33.5#	





#77

Benzidine

Concen: 38.243 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.44 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

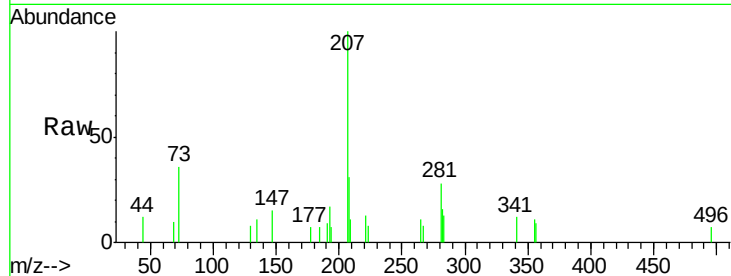
Tot Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

185 0.0 11.7 17.5#

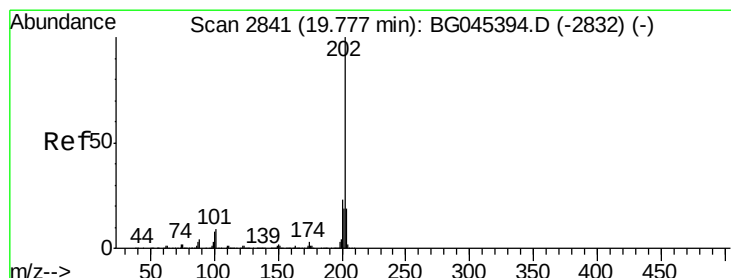
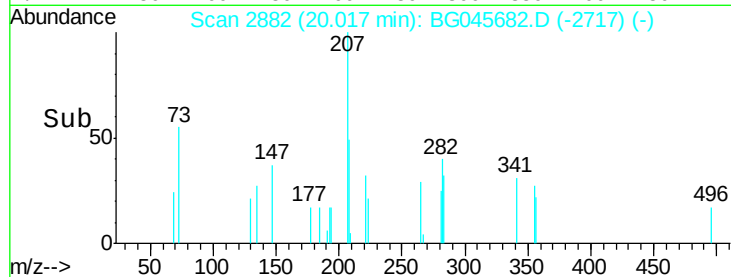
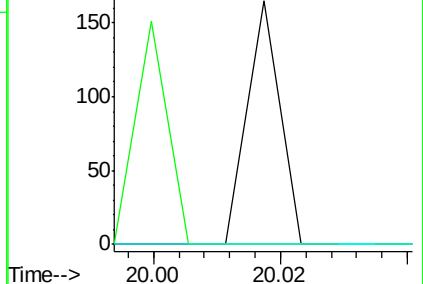
183 0.0 10.2 15.4#



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: 21.766 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.22 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

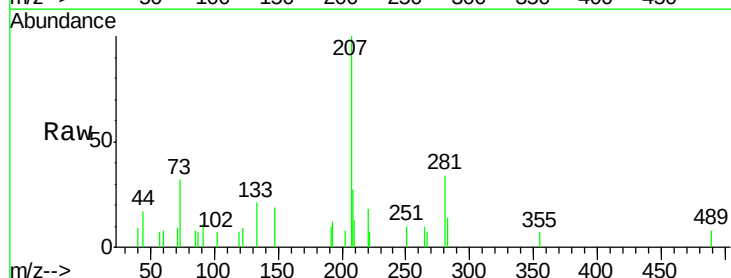
Tgt Ion:202 Resp: 67

Ion Ratio Lower Upper

202 100

200 0.0 18.2 27.2#

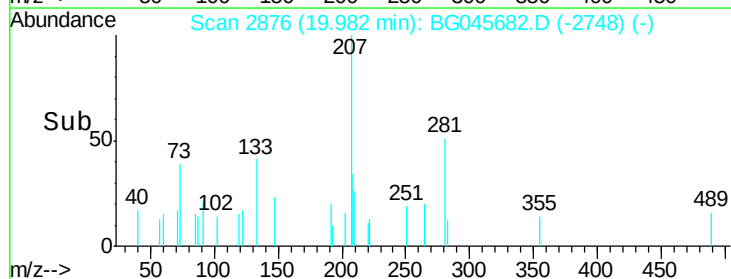
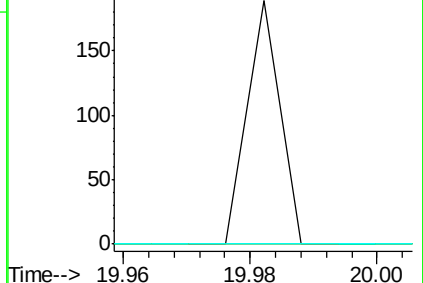
203 0.0 15.1 22.7#

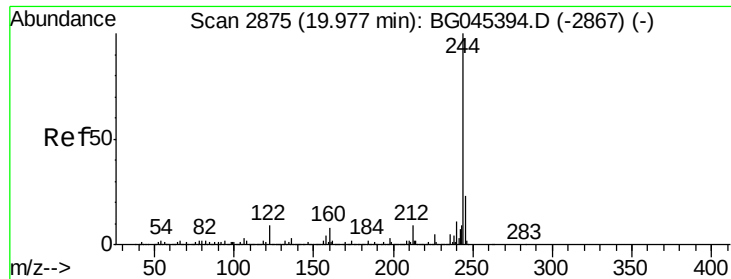


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 30.233 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.05 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

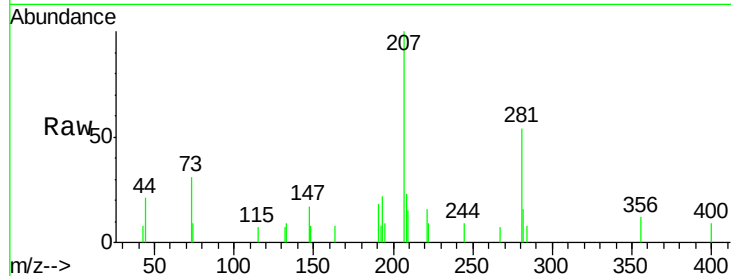
Tot Ion:244 Resp: 70

Ion Ratio Lower Upper

244 100

212 0.0 7.4 11.0#

122 0.0 6.8 10.2#



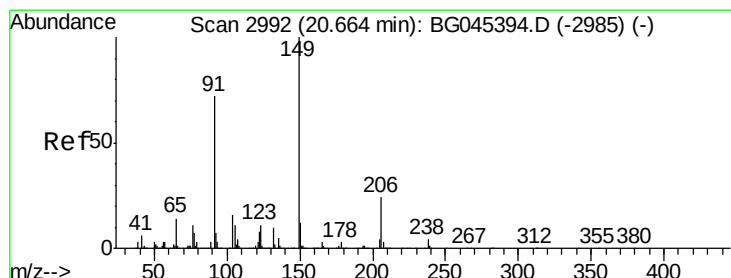
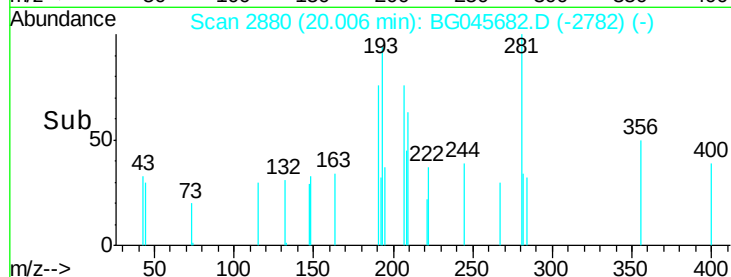
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.01

Time-->



#80

Butylbenzylphthalate

Concen: 272.454 ng

RT: 21.06 min Scan# 3059

Delta R.T. 0.41 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

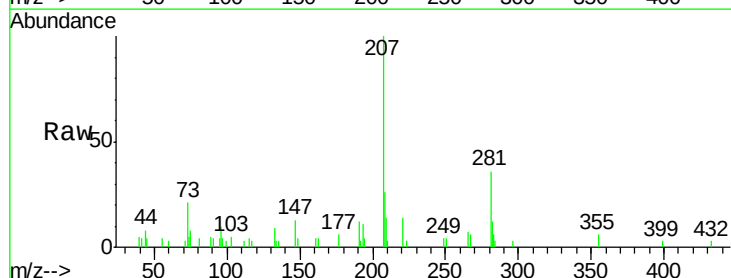
Tgt Ion:149 Resp: 362

Ion Ratio Lower Upper

149 100

91 85.6 57.8 86.6

206 0.0 19.1 28.7#



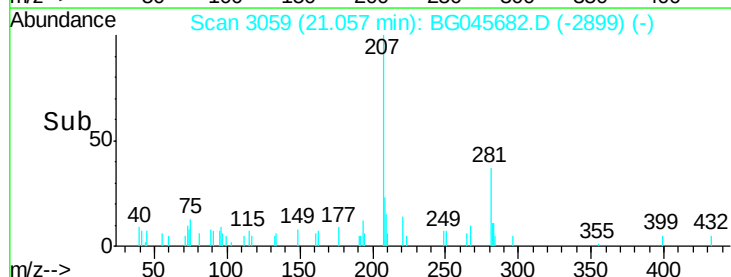
Abundance Ion 149.00 (148.70 to 149.70): E

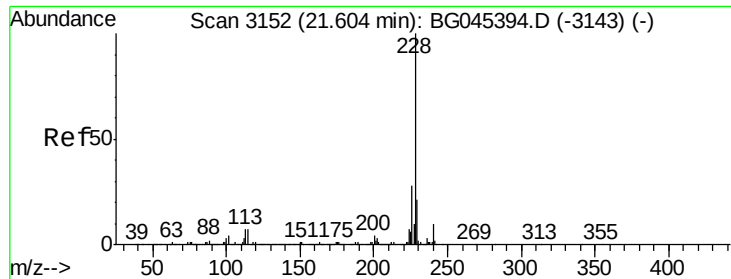
Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E

21.06

Time-->





#81

Benzo(a)anthracene

Concen: 18.948 ng

RT: 22.14 min Scan# 3243

Delta R.T. 0.55 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

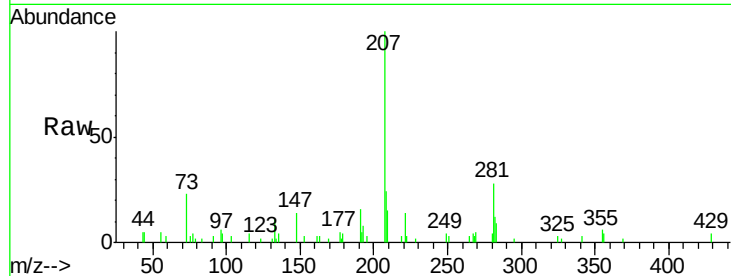
Tot Ion:228 Resp: 57

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

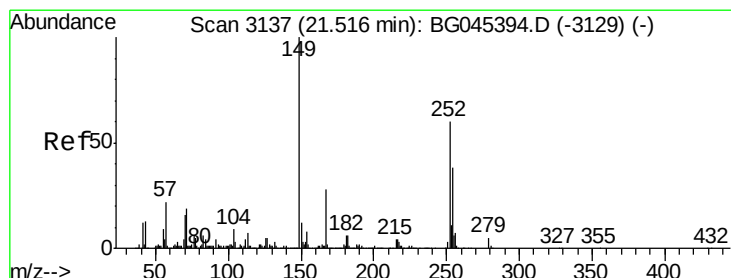
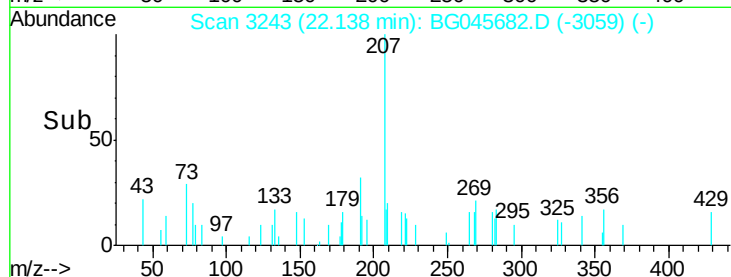
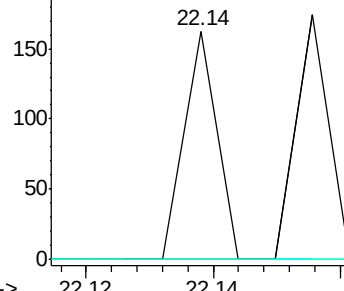
229 0.0 16.7 25.1#



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



#82

3,3'-Dichlorobenzidine

Concen: 52.543 ng

RT: 21.93 min Scan# 3207

Delta R.T. 0.42 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

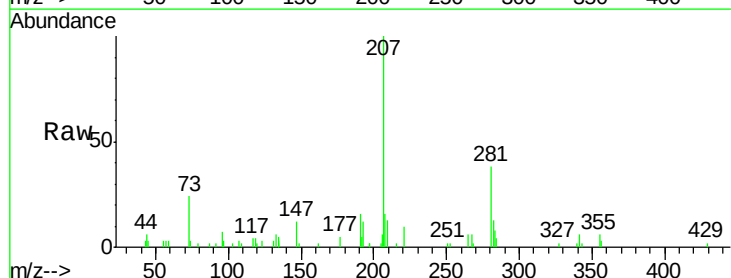
Tgt Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

254 0.0 51.3 76.9#

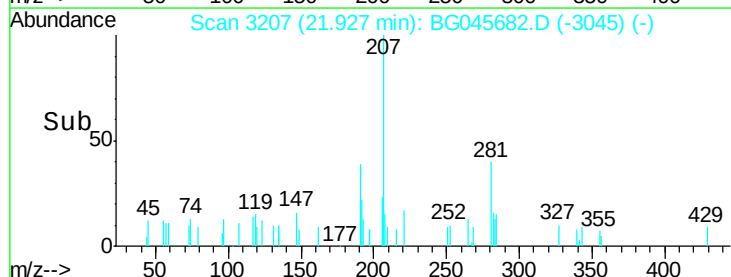
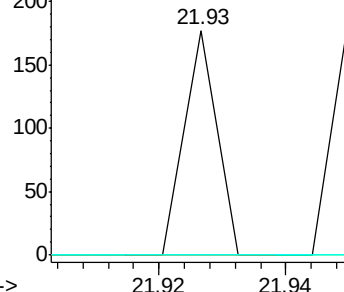
126 0.0 6.6 10.0#

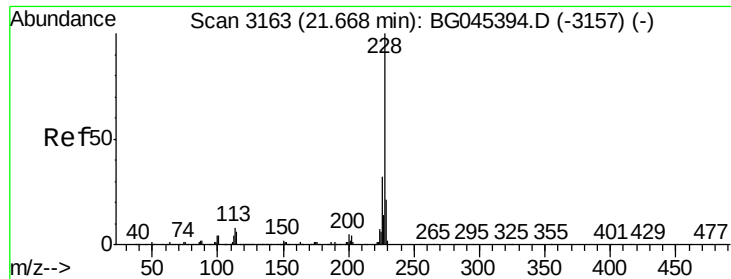


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 19.706 ng

RT: 22.14 min Scan# 3243

Delta R.T. 0.49 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

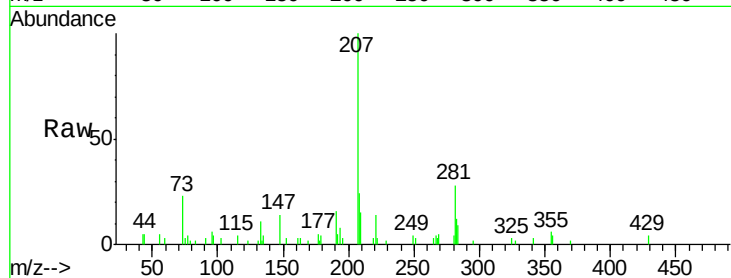
Tot Ion:228 Resp: 57

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

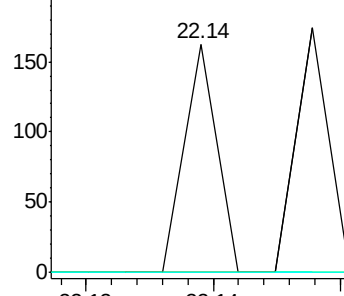
229 0.0 16.7 25.1#



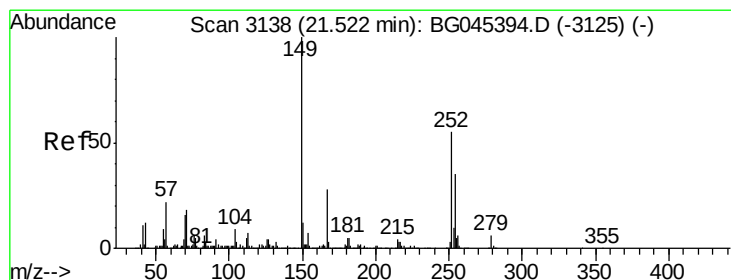
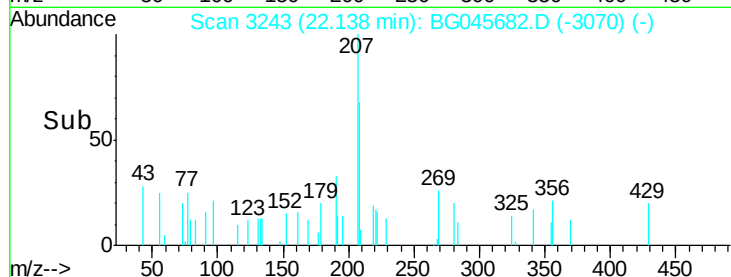
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 29.566 ng

RT: 21.93 min Scan# 3207

Delta R.T. 0.43 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

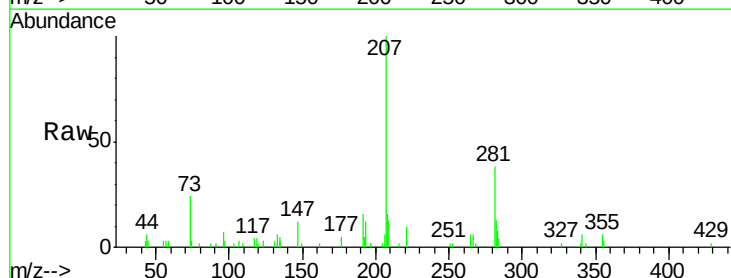
Tgt Ion:149 Resp: 54

Ion Ratio Lower Upper

149 100

167 0.0 22.2 33.2#

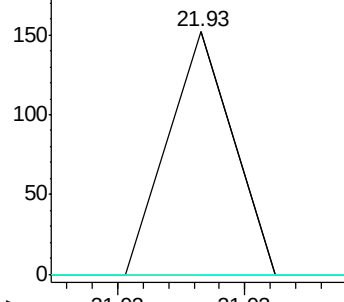
279 0.0 4.7 7.1#



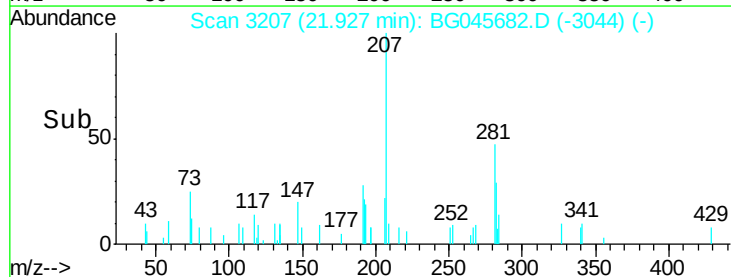
Abundance Ion 149.00 (148.70 to 149.70): E

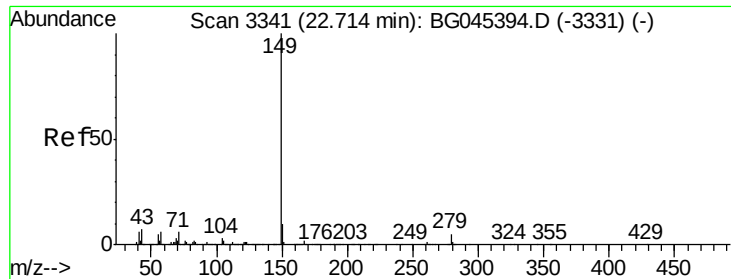
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

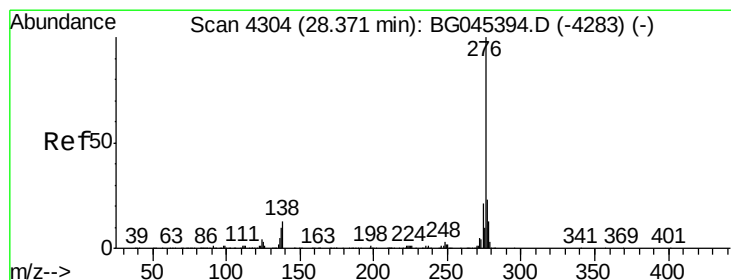
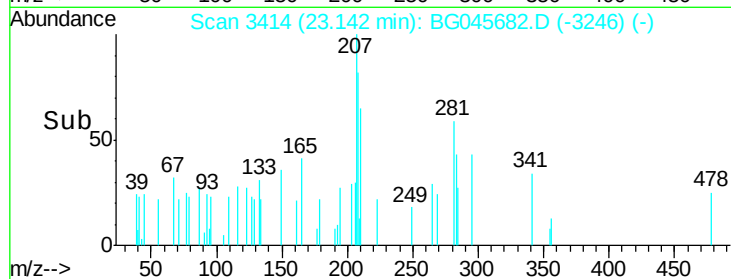
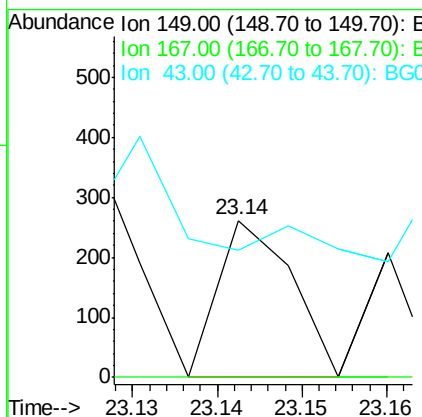
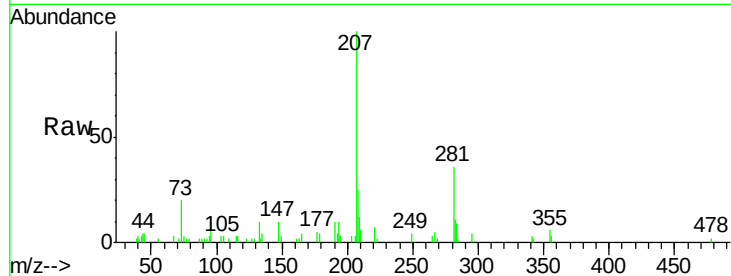




#85
Di-n-octyl phthalate
Concen: 50.368 ng
RT: 23.14 min Scan# 3414
Delta R.T. 0.46 min
Lab File: BG045682.D
Acq: 10 Jun 2020 5:56

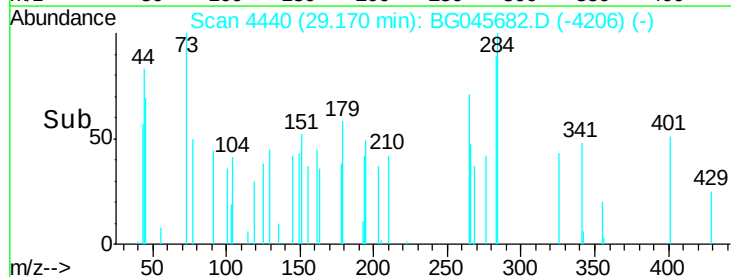
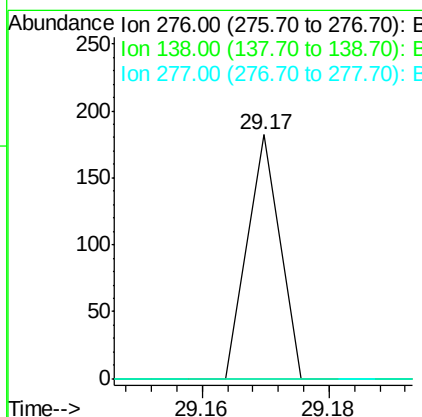
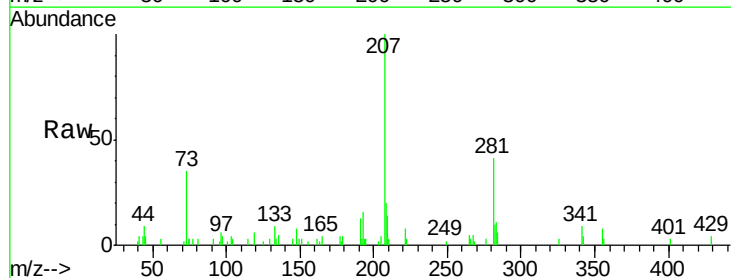
Instrument :
BNA_G
ClientSampleId :
OR-02-060520

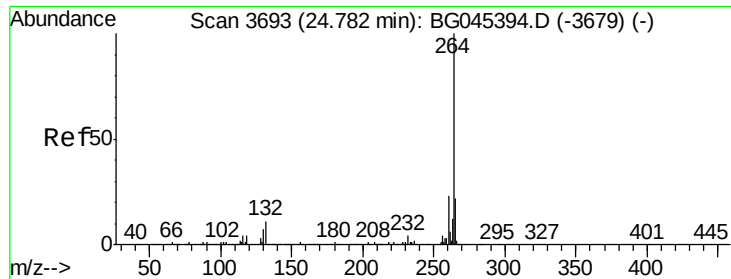
Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.0#
43	0.0	5.8	8.8#



#86
Indeno(1,2,3-cd)pyrene
Concen: 16.920 ng
RT: 29.17 min Scan# 4440
Delta R.T. 0.85 min
Lab File: BG045682.D
Acq: 10 Jun 2020 5:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	8.6	12.8#
277	0.0	20.2	30.4#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.13 min Scan# 3753

Delta R.T. 0.38 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

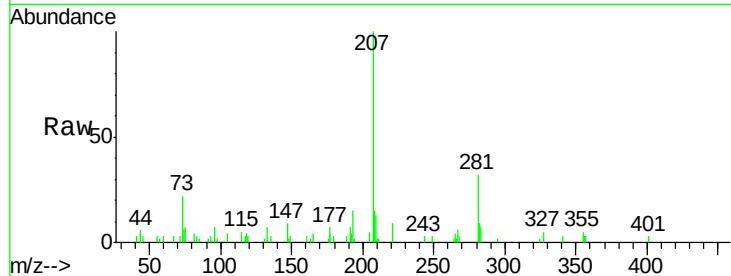
Tot Ion:264 Resp: 59

Ion Ratio Lower Upper

264 100

260 0.0 18.2 27.4#

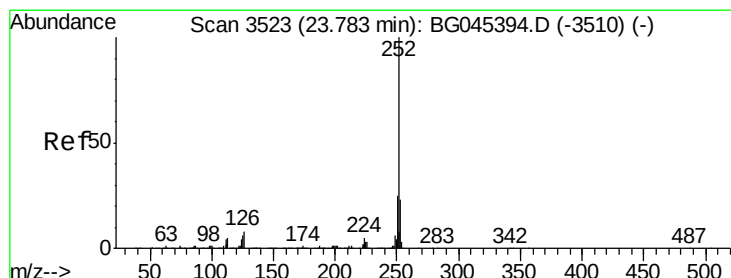
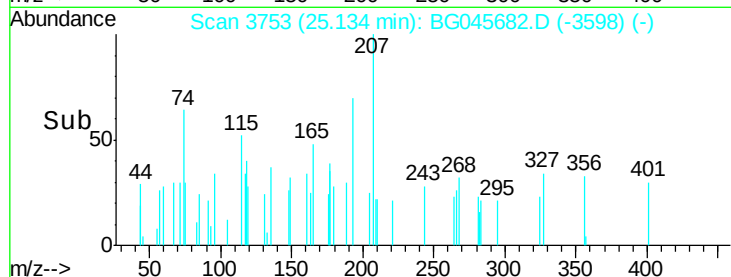
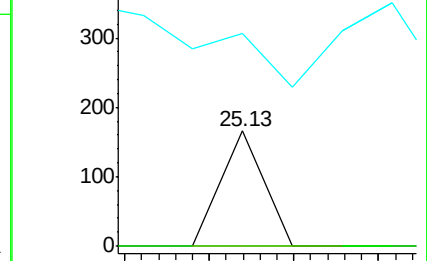
265 184.3 17.6 26.4#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 18.330 ng

RT: 24.14 min Scan# 3584

Delta R.T. 0.38 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

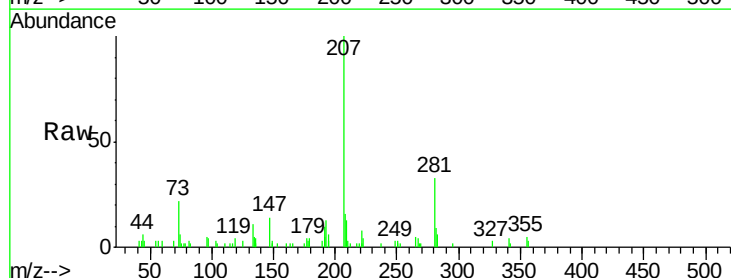
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

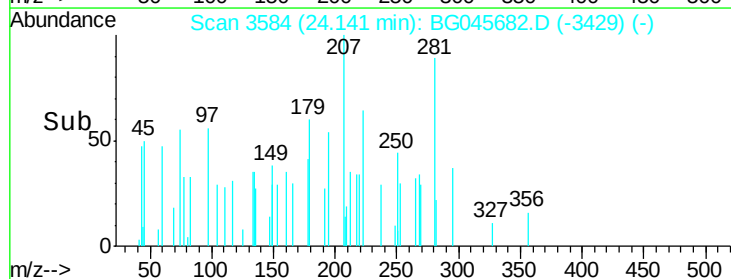
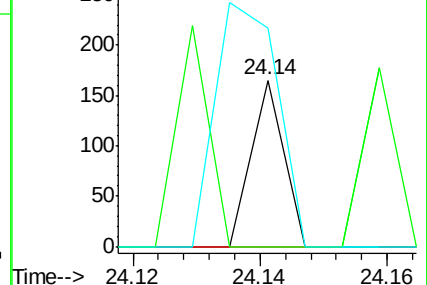
125 131.5 5.0 7.6#

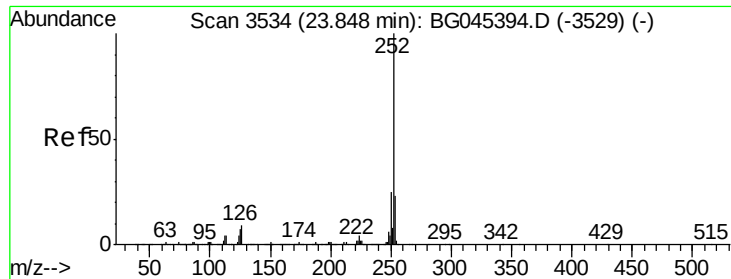


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 19.511 ng

RT: 24.14 min Scan# 3584

Delta R.T. 0.32 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

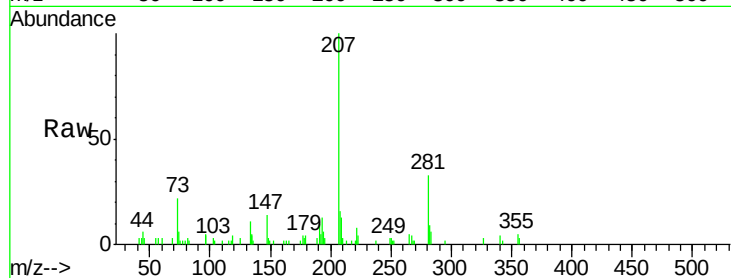
Tot Ion:252 Resp: 58

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

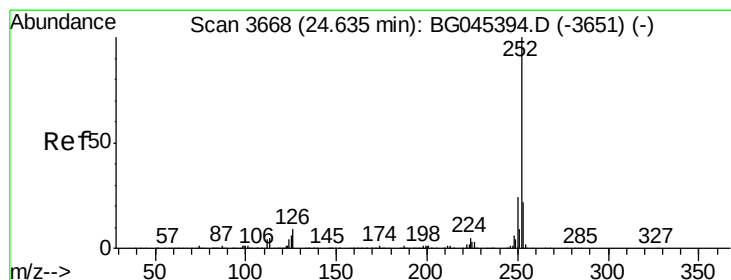
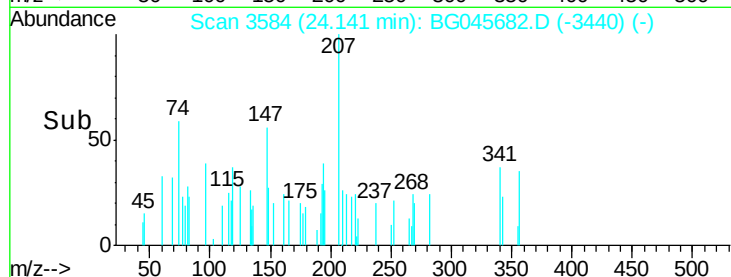
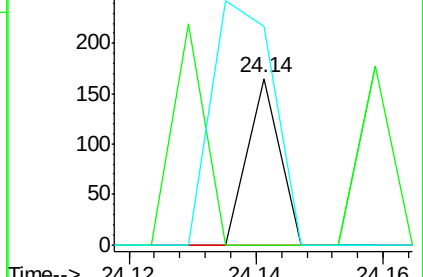
125 131.5 5.7 8.5#



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: 19.342 ng

RT: 25.04 min Scan# 3737

Delta R.T. 0.43 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

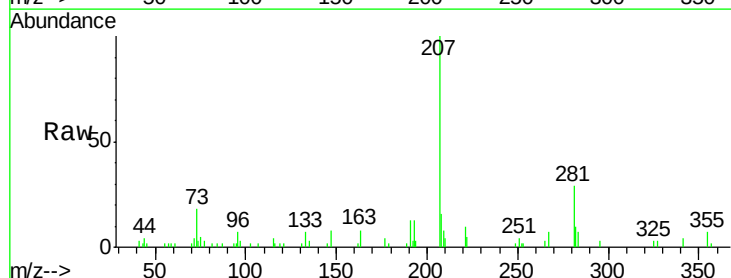
Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 104.3 17.2 25.8#

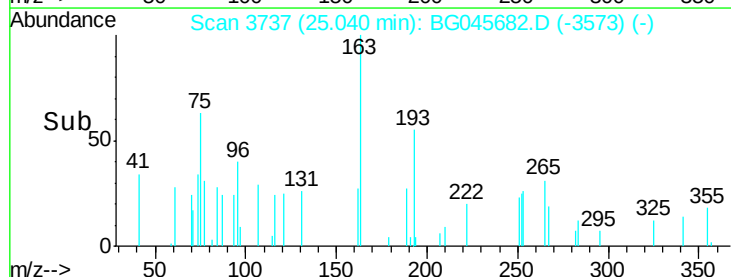
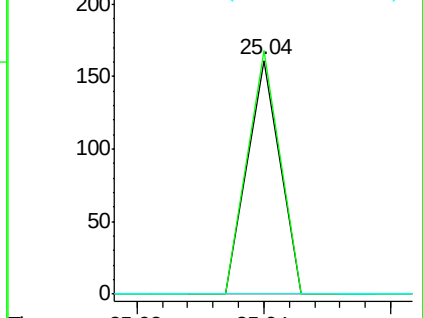
125 0.0 5.0 7.6#

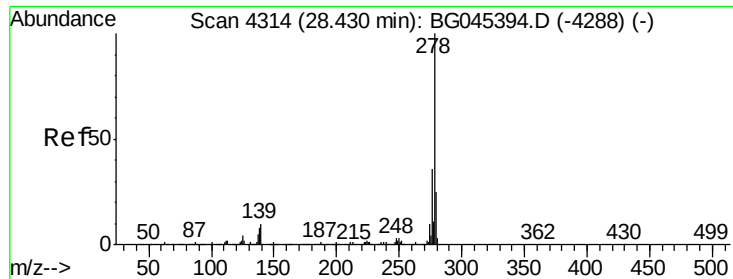


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 20.598 ng

RT: 28.49 min Scan# 4324

Delta R.T. 0.10 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

Instrument :

BNA_G

ClientSampleId :

OR-02-060520

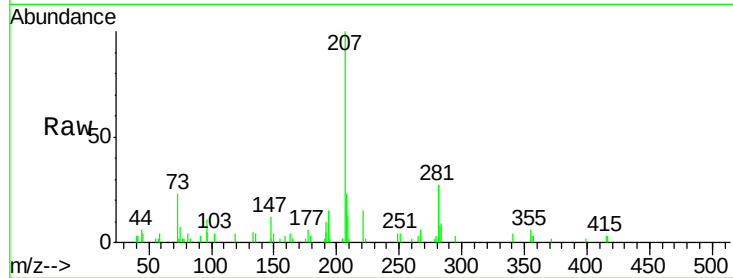
Tot Ion:278 Resp: 61

Ion Ratio Lower Upper

278 100

139 0.0 7.8 11.8#

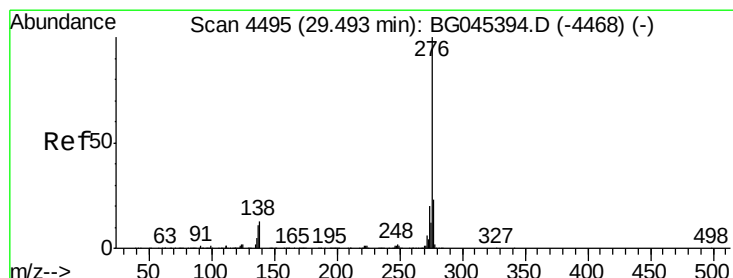
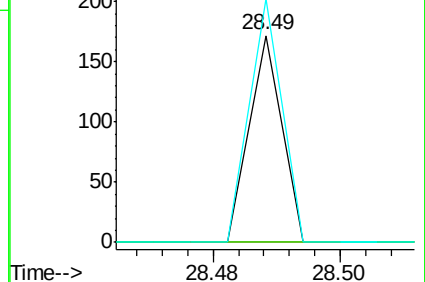
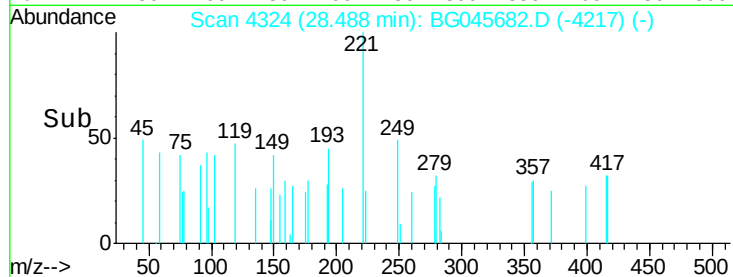
279 117.4 19.8 29.8#



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(g,h,i)perylene

Concen: 18.232 ng

RT: 29.48 min Scan# 4492

Delta R.T. 0.04 min

Lab File: BG045682.D

Acq: 10 Jun 2020 5:56

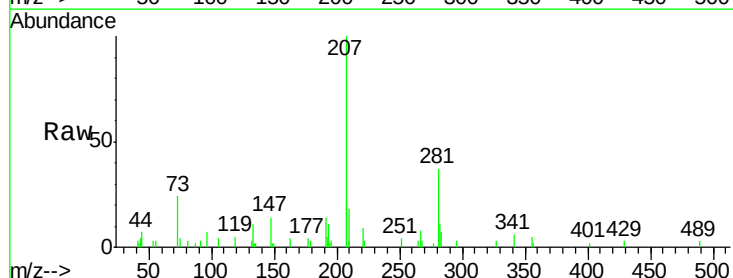
Tgt Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

277 0.0 18.1 27.1#

138 0.0 10.2 15.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

