

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111324\
 Data File : BE101596.D
 Acq On : 13 Nov 2024 15:32
 Operator : RC/JU
 Sample : P4816-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 331

Quant Time: Nov 13 16:35:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

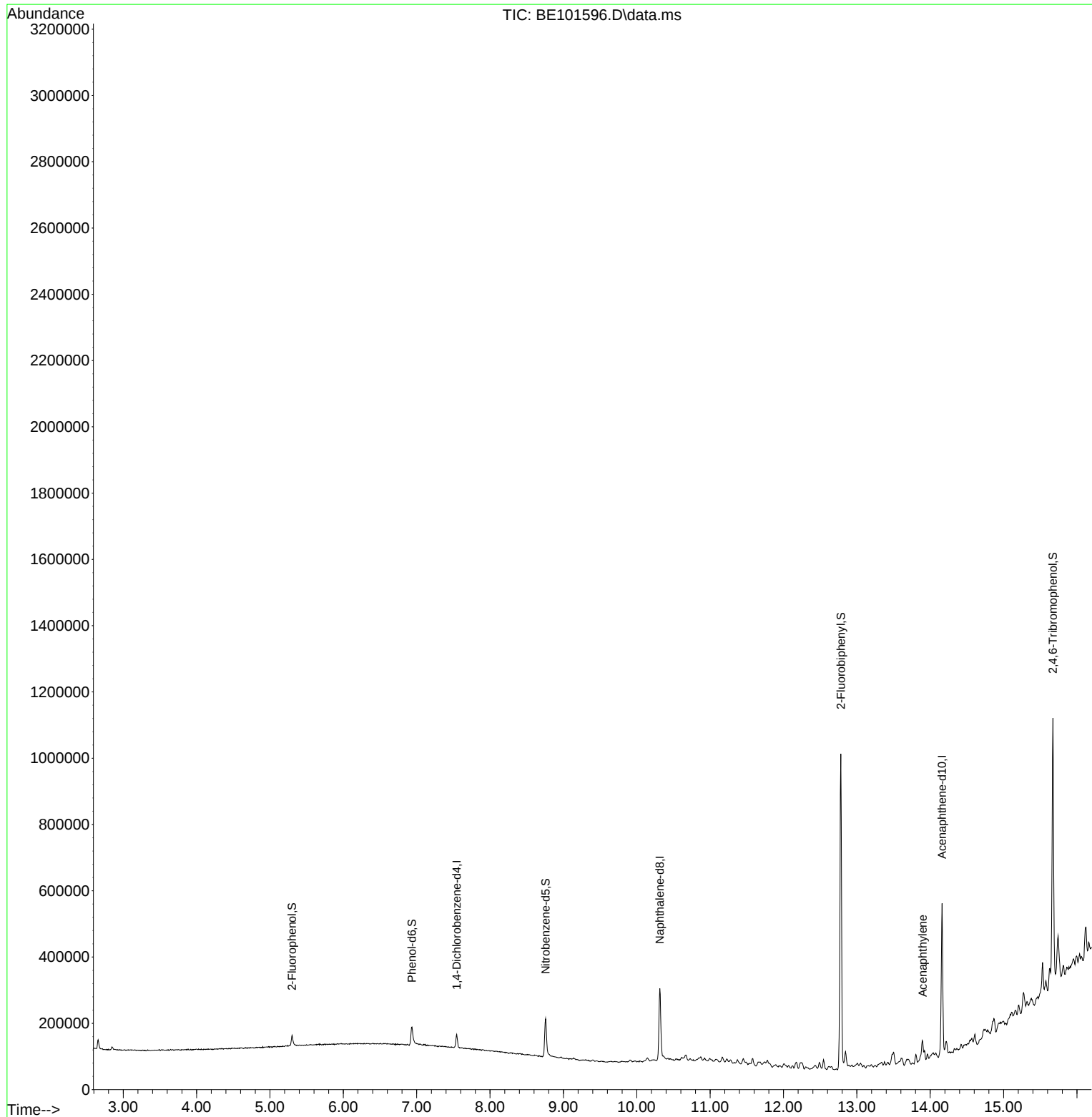
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	10685	20.000	ng	#-0.02
21) Naphthalene-d8	10.314	136	210426	20.000	ng	-0.02
39) Acenaphthene-d10	14.162	164	141494	20.000	ng	-0.01
64) Phenanthrene-d10	16.906	188	332390	20.000	ng	0.00
76) Chrysene-d12	21.072	240	375184	20.000	ng	0.00
86) Perylene-d12	23.357	264	495731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	14217	23.527	ng	-0.01
7) Phenol-d6	6.935	99	40930	49.400	ng	-0.01
23) Nitrobenzene-d5	8.757	82	86153	25.861	ng	-0.02
42) 2,4,6-Tribromophenol	15.672	330	180226	67.691	ng	-0.01
45) 2-Fluorobiphenyl	12.781	172	494990	57.120	ng	-0.02
79) Terphenyl-d14	19.497	244	1088974	64.249	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.898	152	29668	2.586	ng	95
71) Phenanthrene	16.941	178	234949	14.533	ng	99
72) Anthracene	17.029	178	63181m	3.958	ng	
75) Fluoranthene	18.956	202	704394	33.983	ng	100
78) Pyrene	19.326	202	681165	31.908	ng	99
81) Benzo(a)anthracene	21.048	228	308723	13.855	ng	97
83) Chrysene	21.107	228	421552	19.904	ng	98
87) Indeno(1,2,3-cd)pyrene	25.678	276	271635	7.974	ng	97
88) Benzo(b)fluoranthene	22.646	252	486847m	17.900	ng	
89) Benzo(k)fluoranthene	22.681	252	271948m	11.015	ng	
90) Benzo(a)pyrene	23.245	252	319154	13.592	ng	# 96
91) Dibenzo(a,h)anthracene	25.660	278	64517	2.274	ng	# 79
92) Benzo(g,h,i)perylene	26.430	276	269040	9.334	ng	94

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

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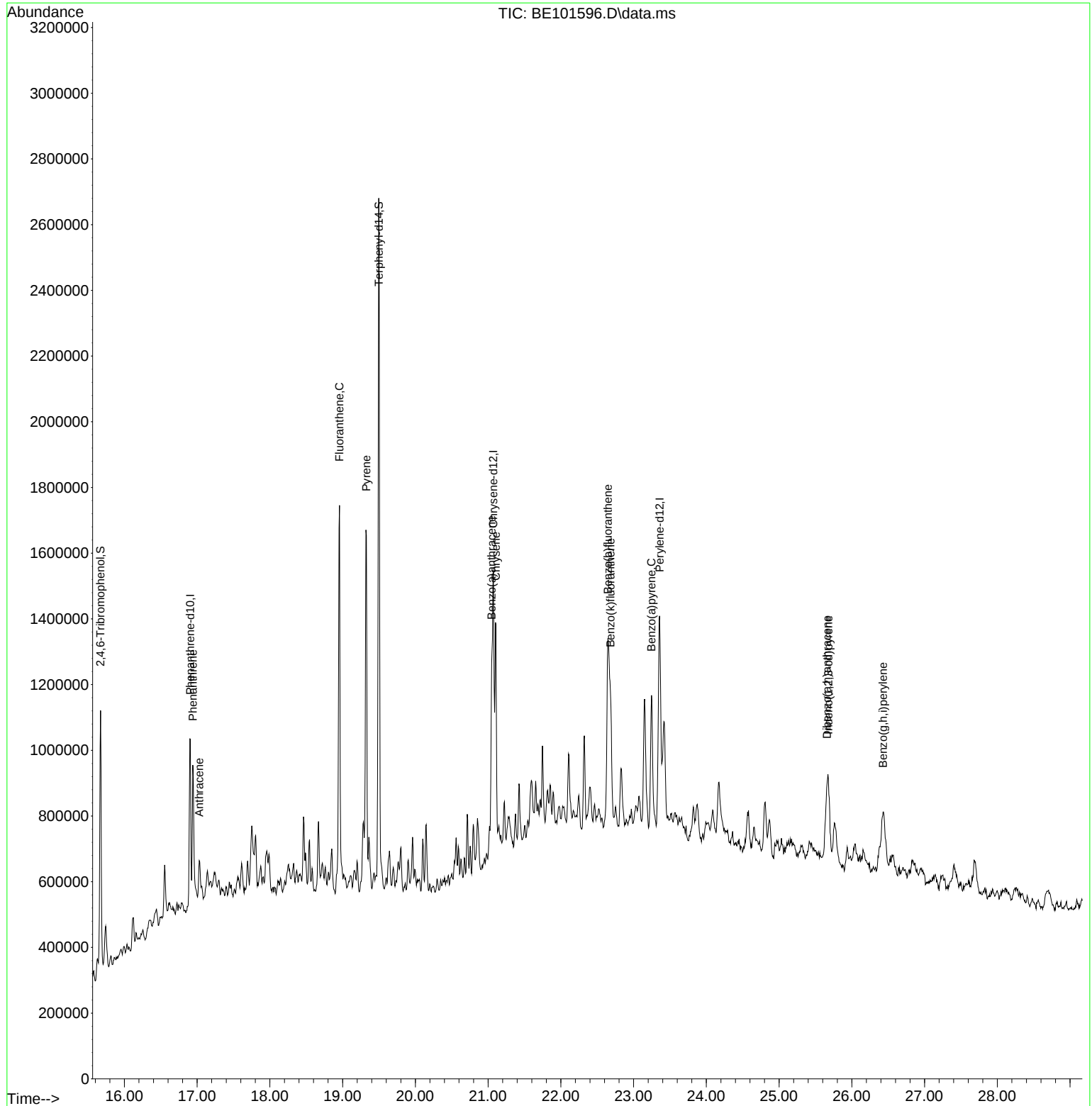
Quant Time: Nov 13 16:35:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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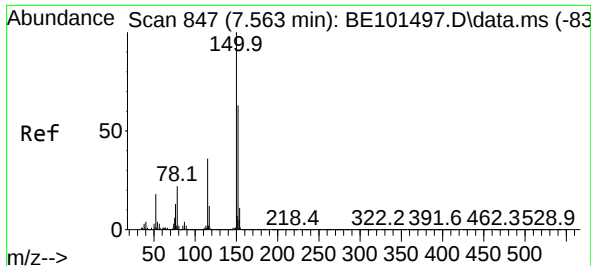


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111324\
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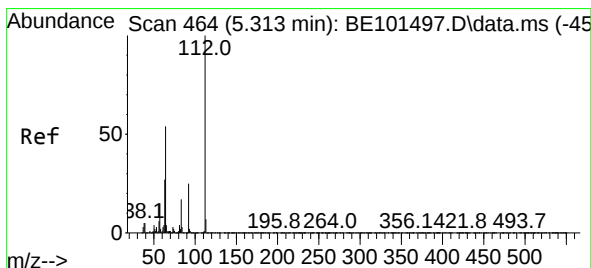
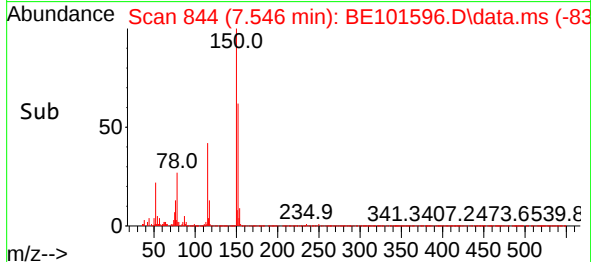
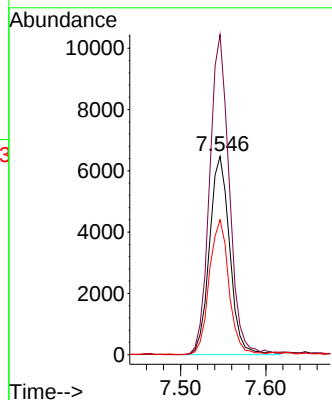
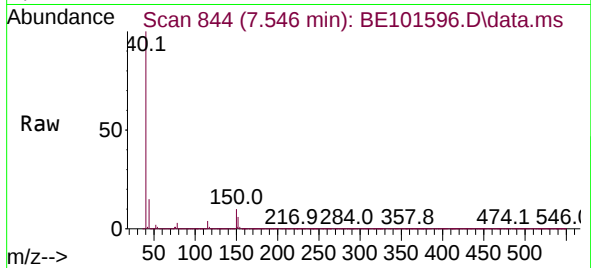




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.546 min Scan# 84
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

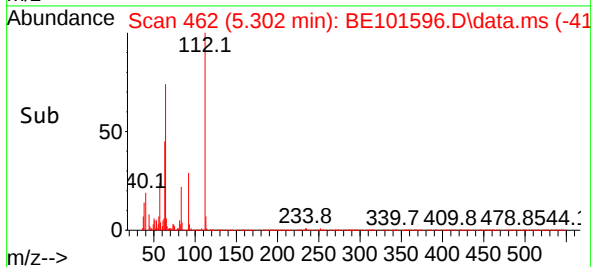
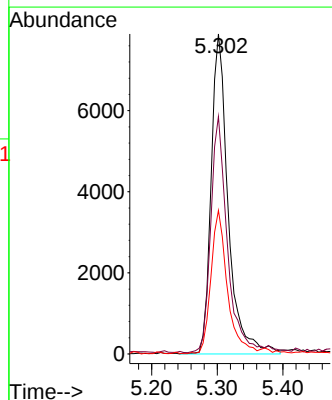
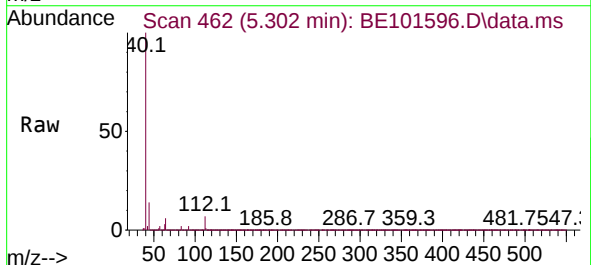
Instrument :
BNA_E
ClientSampleId :
331

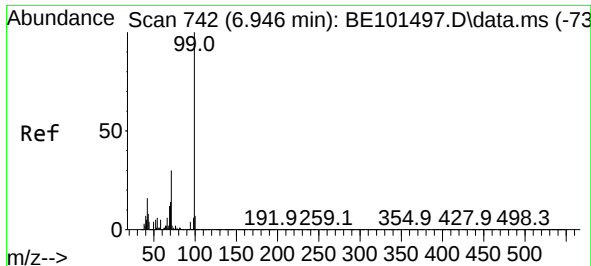
Tgt Ion:152 Resp: 10685
Ion Ratio Lower Upper
152 100
150 161.4 126.3 189.5
115 68.0 45.0 67.4#



#5
2-Fluorophenol
Concen: 23.527 ng
RT: 5.302 min Scan# 462
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:112 Resp: 14217
Ion Ratio Lower Upper
112 100
64 74.2 43.2 64.8#
63 44.8 21.8 32.6#

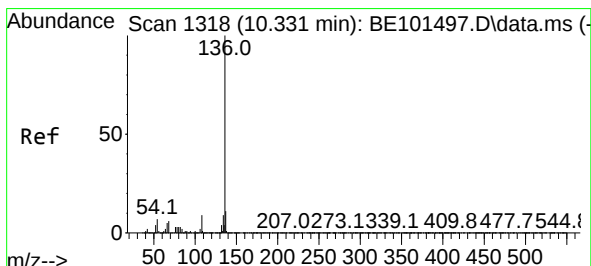
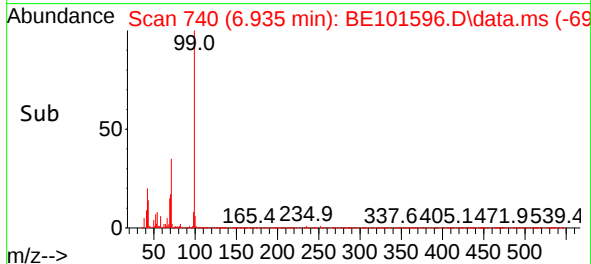
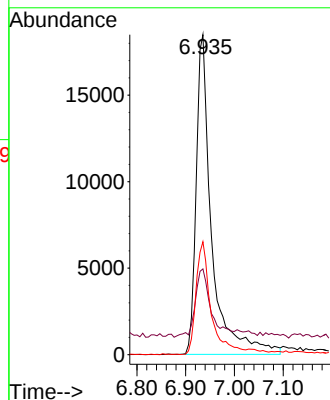
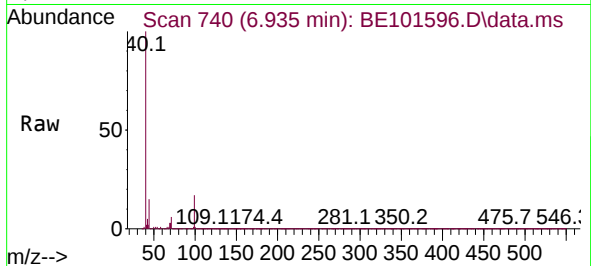




#7
Phenol-d6
Concen: 49.400 ng
RT: 6.935 min Scan# 741
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

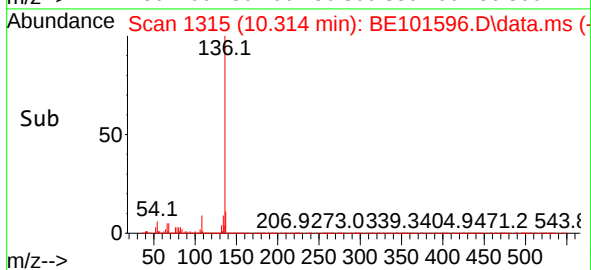
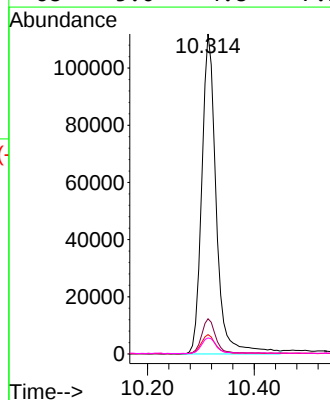
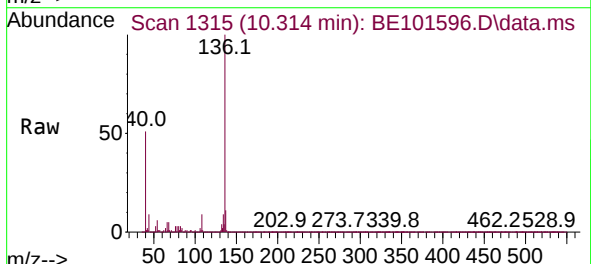
Instrument :
BNA_E
ClientSampleId :
331

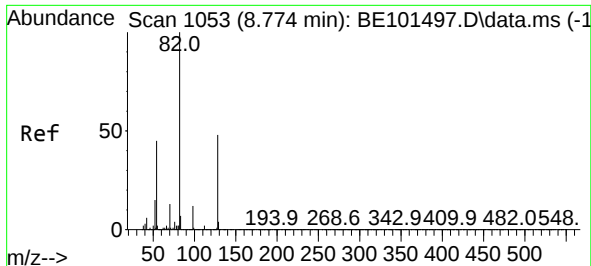
Tgt Ion: 99 Resp: 40930
Ion Ratio Lower Upper
99 100
42 26.8 12.5 18.7#
71 35.3 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.314 min Scan# 1315
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion: 136 Resp: 210426
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 6.0 5.6 8.4
68 5.0 4.8 7.2

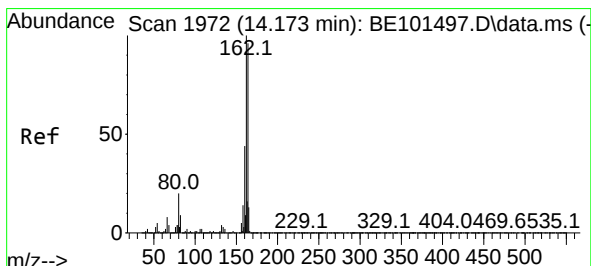
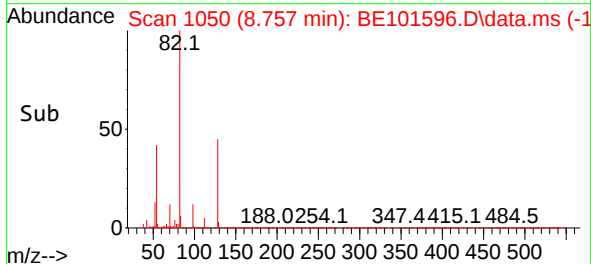
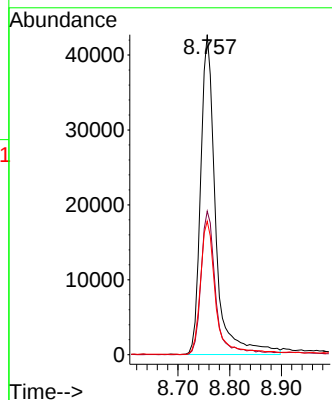
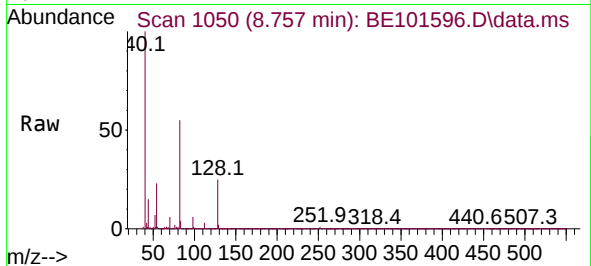




#23
Nitrobenzene-d5
Concen: 25.861 ng
RT: 8.757 min Scan# 1050
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

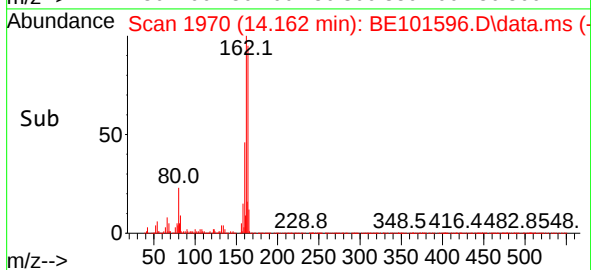
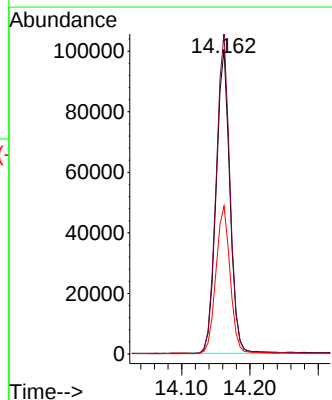
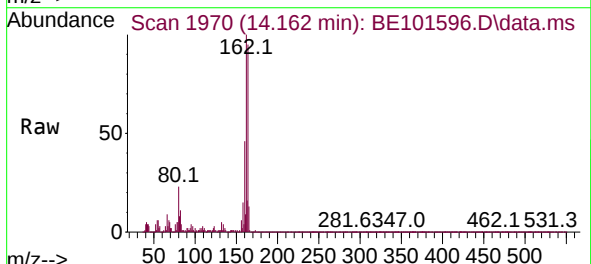
Instrument :
BNA_E
ClientSampleId :
331

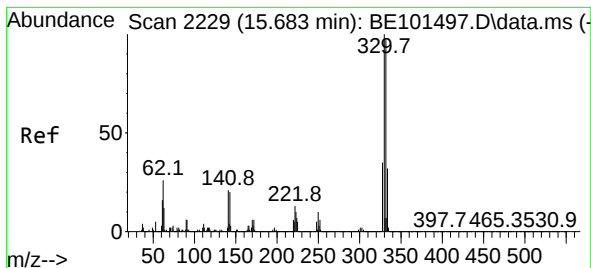
Tgt Ion: 82	Resp: 86153
Ion Ratio	Lower Upper
82 100	
128 44.9	38.6 58.0
54 41.7	36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.162 min Scan# 1970
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion: 164	Resp: 141494
Ion Ratio	Lower Upper
164 100	
162 105.1	83.7 125.5
160 48.5	37.1 55.7

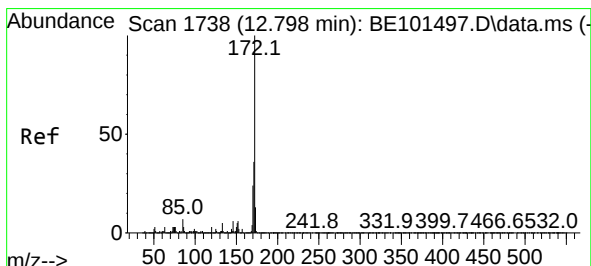
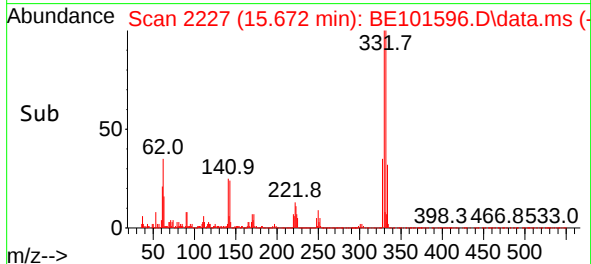
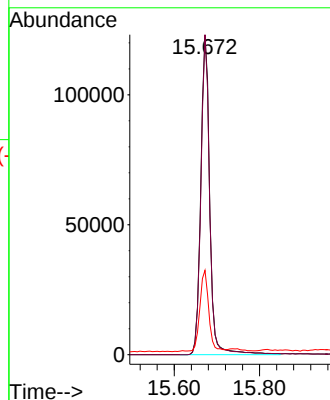
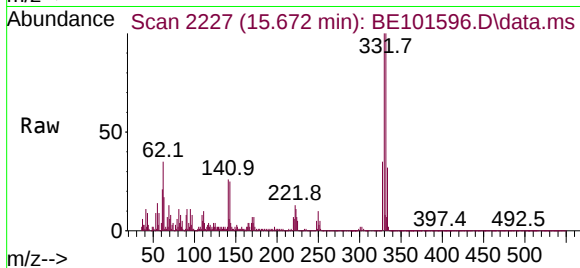




#42
2,4,6-Tribromophenol
Concen: 67.691 ng
RT: 15.672 min Scan# 211
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

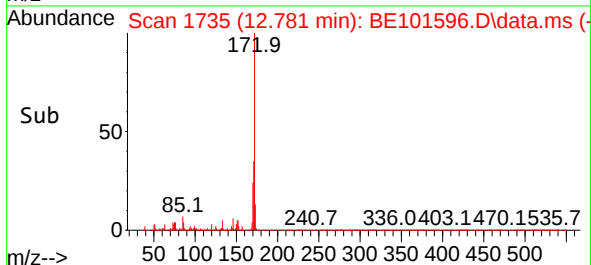
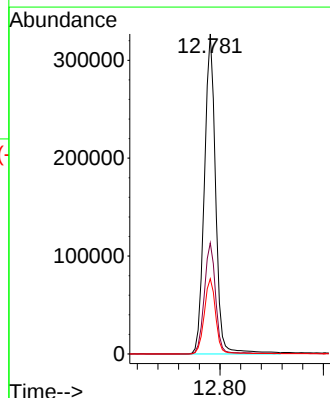
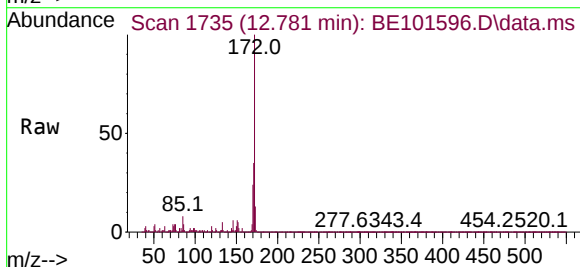
Instrument :
BNA_E
ClientSampleId :
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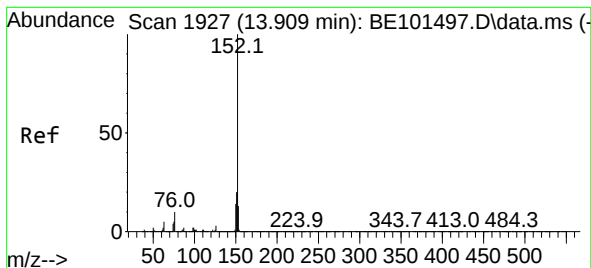
Tgt Ion:330 Resp: 180226
Ion Ratio Lower Upper
330 100
332 97.9 77.7 116.5
141 24.5 17.0 25.4



#45
2-Fluorobiphenyl
Concen: 57.120 ng
RT: 12.781 min Scan# 1735
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:172 Resp: 494990
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.5 18.9 28.3





#49

Acenaphthylene

Concen: 2.586 ng

RT: 13.898 min Scan# 1925

Delta R.T. -0.011 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

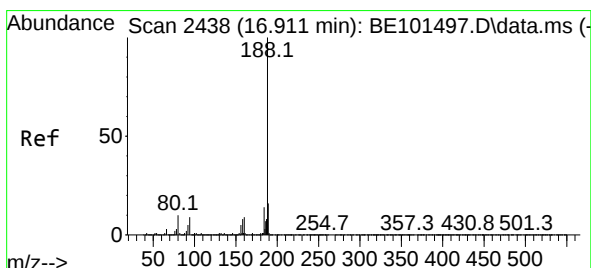
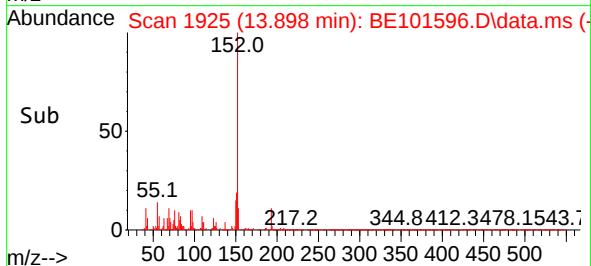
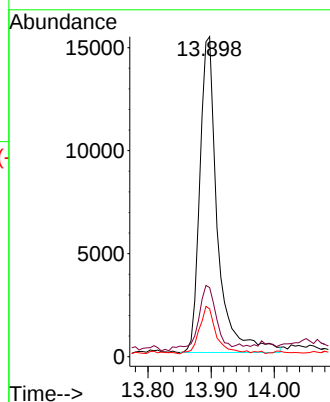
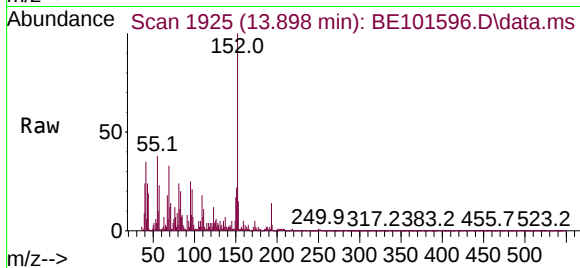
Tgt Ion:152 Resp: 29668

Ion Ratio Lower Upper

152 100

151 21.6 15.6 23.4

153 15.0 10.3 15.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.906 min Scan# 2437

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

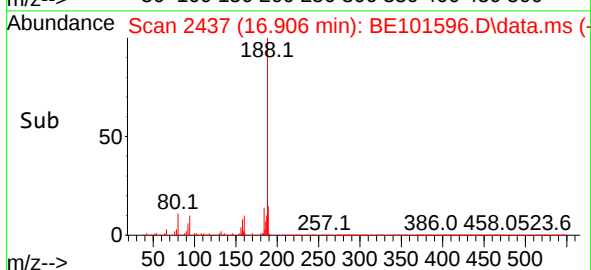
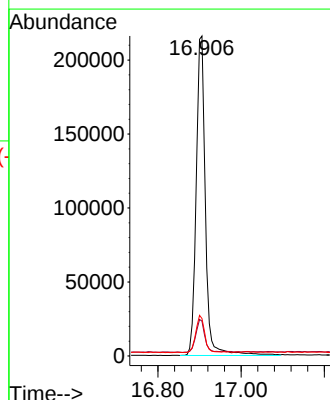
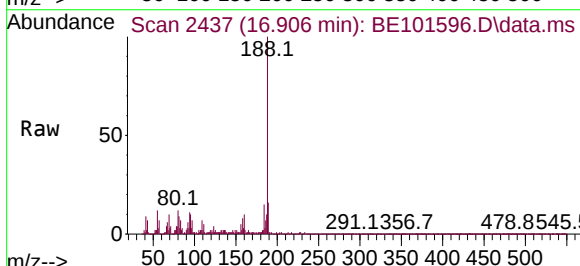
Tgt Ion:188 Resp: 332390

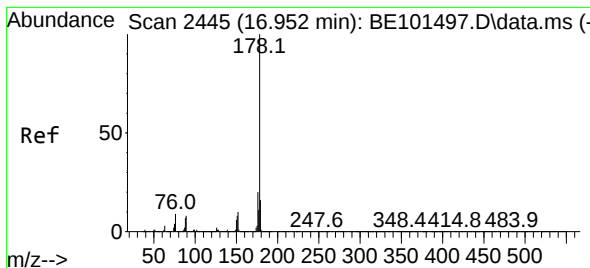
Ion Ratio Lower Upper

188 100

94 10.9 7.4 11.2

80 11.7 8.0 12.0





#71

Phenanthrene

Concen: 14.533 ng

RT: 16.941 min Scan# 2445

Delta R.T. -0.011 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

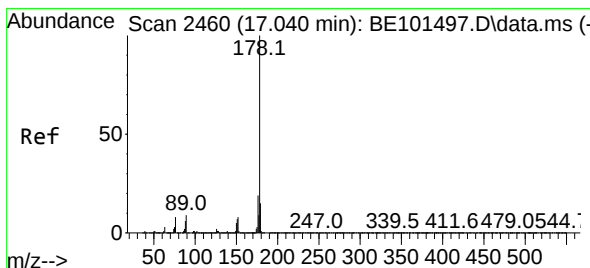
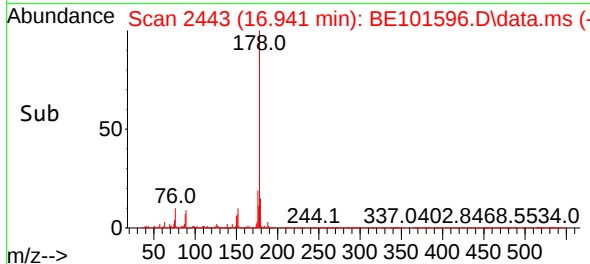
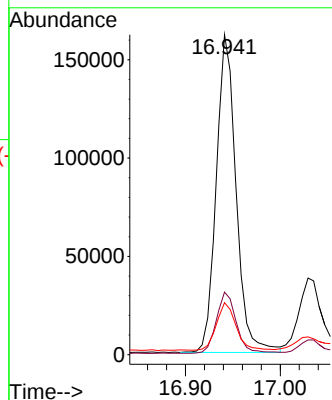
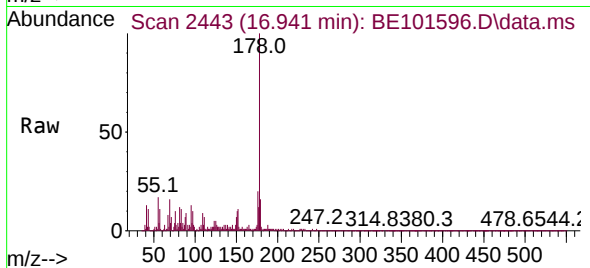
Tgt Ion:178 Resp: 234949

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 16.2 12.6 19.0



#72

Anthracene

Concen: 3.958 ng m

RT: 17.029 min Scan# 2458

Delta R.T. -0.011 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

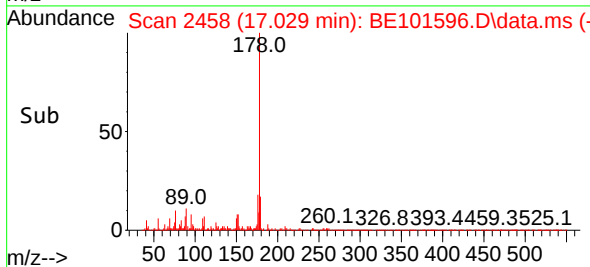
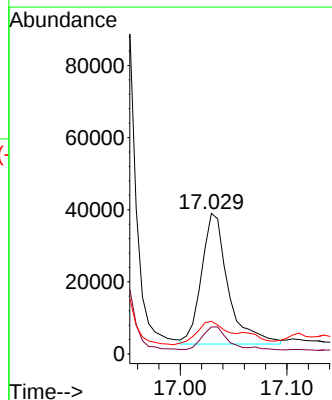
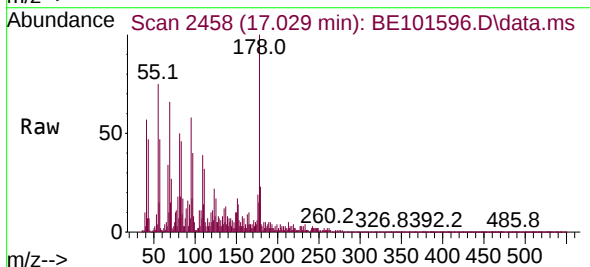
Tgt Ion:178 Resp: 63181

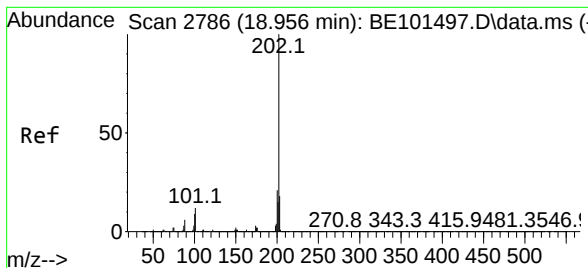
Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 23.2 12.4 18.6#





#75

Fluoranthene

Concen: 33.983 ng

RT: 18.956 min Scan# 21

Delta R.T. 0.001 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

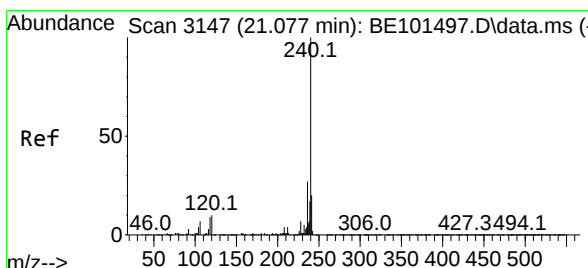
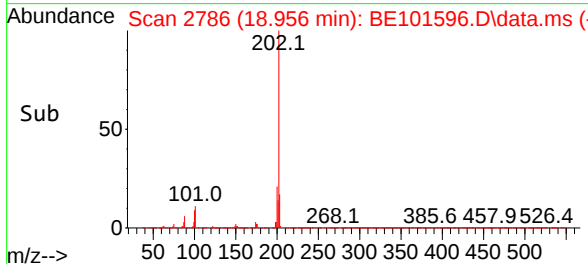
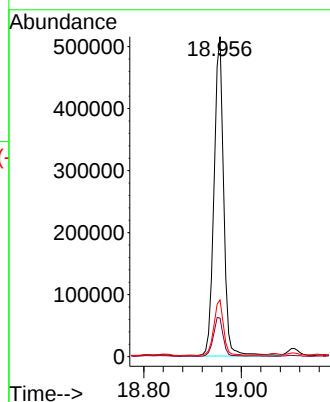
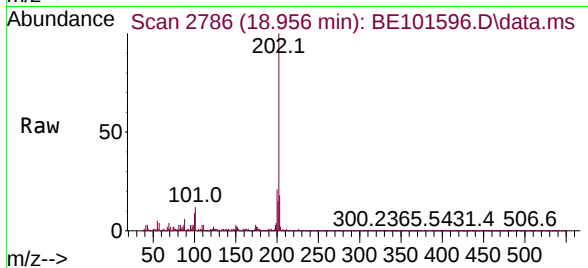
Tgt Ion:202 Resp: 704394

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.7

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.072 min Scan# 3146

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

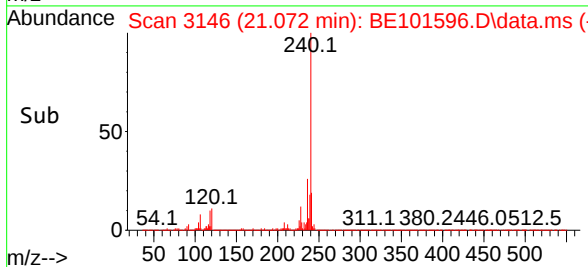
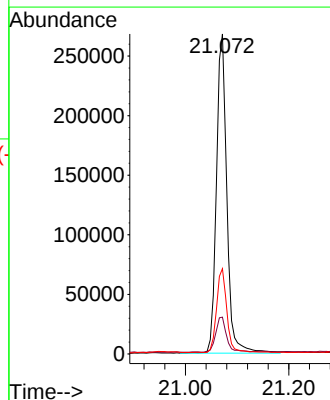
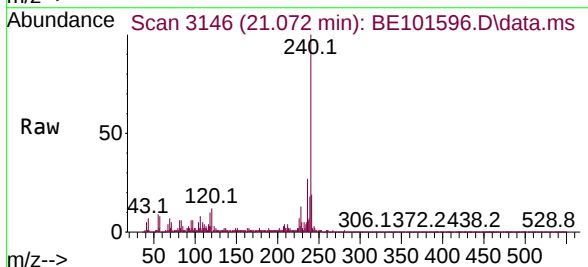
Tgt Ion:240 Resp: 375184

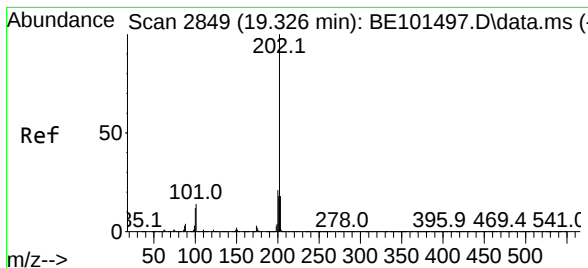
Ion Ratio Lower Upper

240 100

120 11.5 8.2 12.4

236 26.7 21.4 32.2





#78

Pyrene

Concen: 31.908 ng

RT: 19.326 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

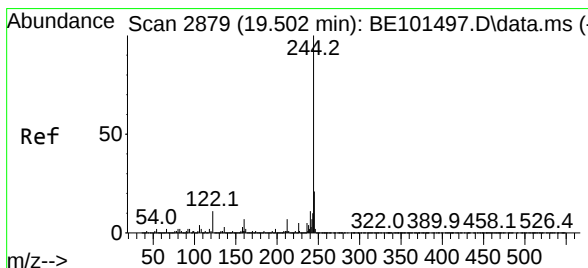
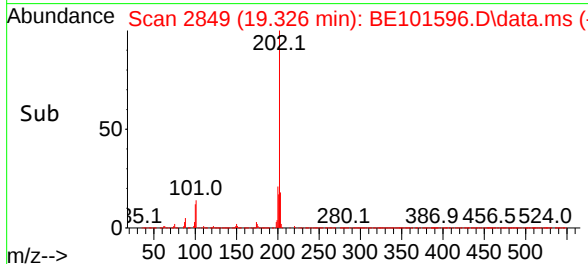
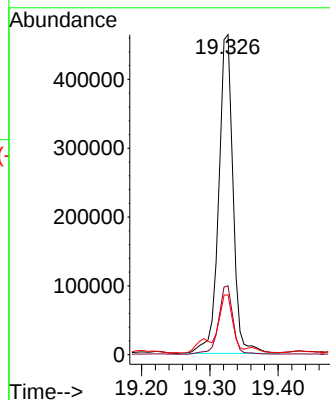
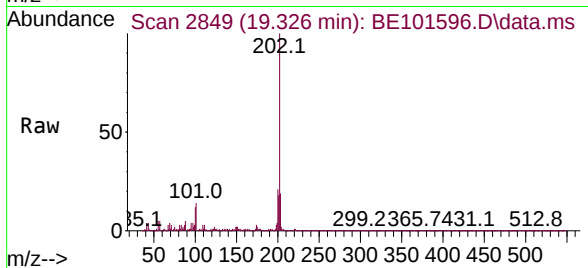
Tgt Ion:202 Resp: 681165

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 18.7 14.2 21.4



#79

Terphenyl-d14

Concen: 64.249 ng

RT: 19.497 min Scan# 2878

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

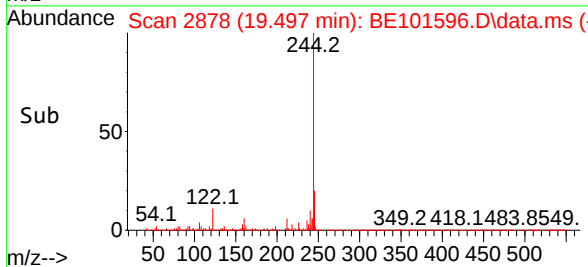
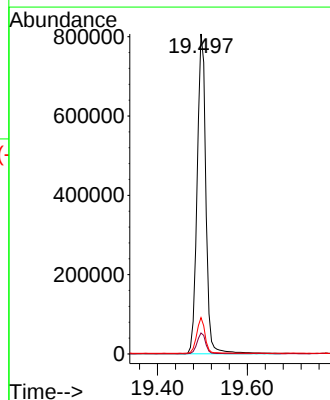
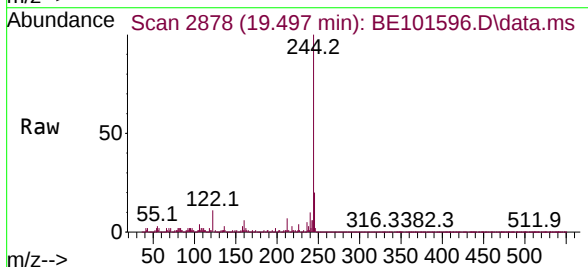
Tgt Ion:244 Resp: 1088974

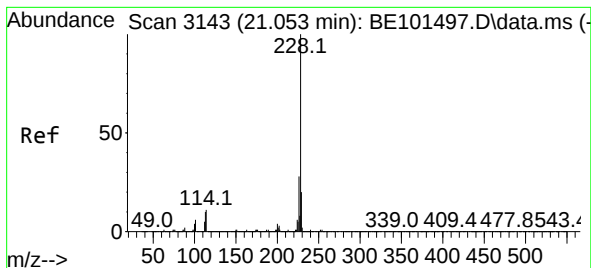
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 11.4 8.4 12.6





#81

Benzo(a)anthracene

Concen: 13.855 ng

RT: 21.048 min Scan# 3142

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

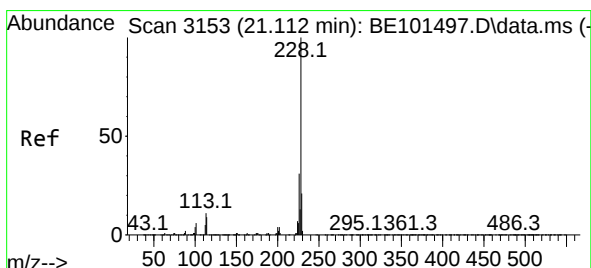
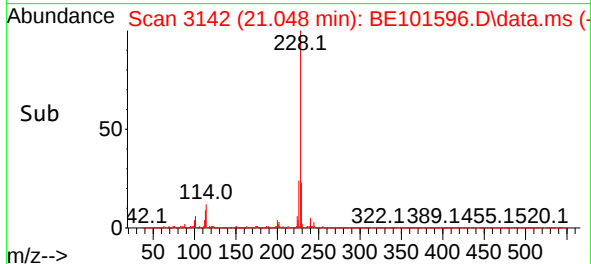
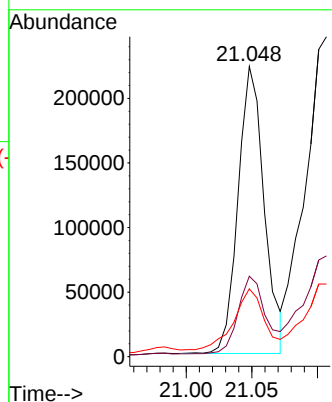
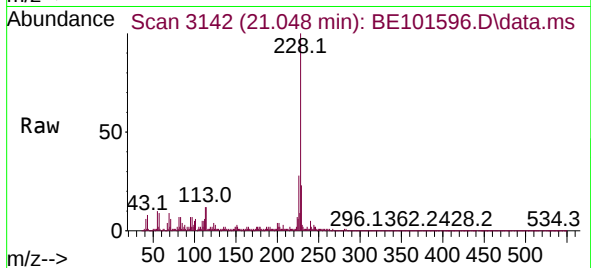
Tgt Ion:228 Resp: 308723

Ion Ratio Lower Upper

228 100

226 27.8 22.4 33.6

229 23.4 16.1 24.1



#83

Chrysene

Concen: 19.904 ng

RT: 21.107 min Scan# 3152

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

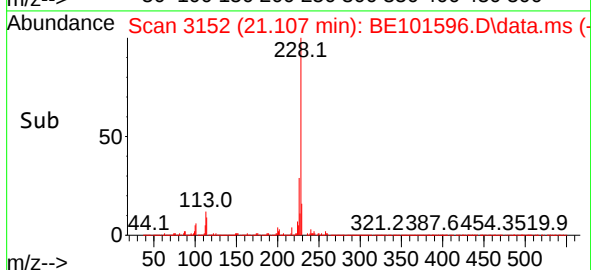
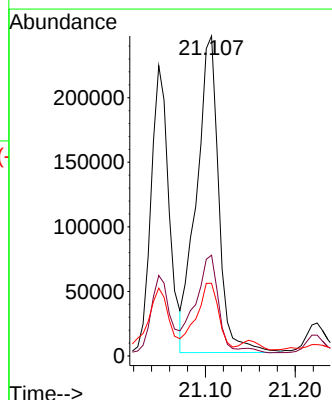
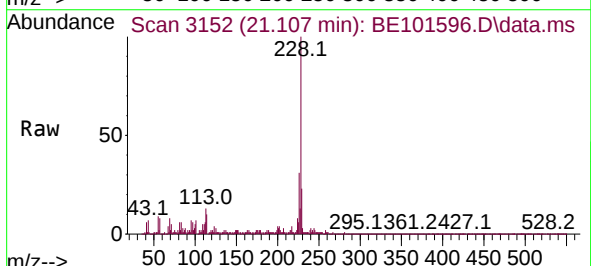
Tgt Ion:228 Resp: 421552

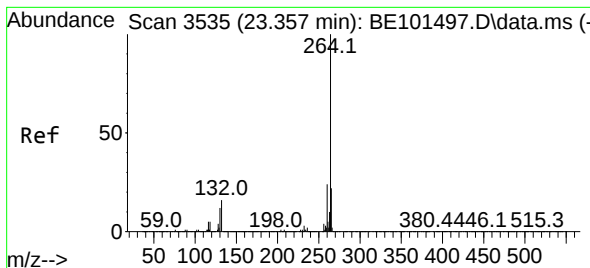
Ion Ratio Lower Upper

228 100

226 31.5 25.1 37.7

229 22.7 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.357 min Scan# 31

Delta R.T. 0.001 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

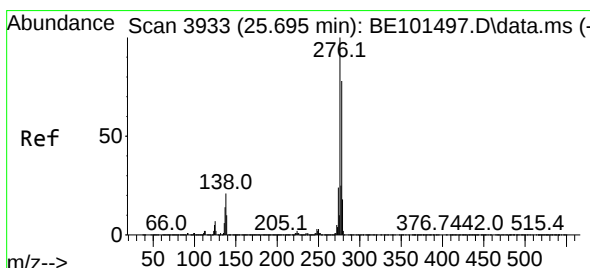
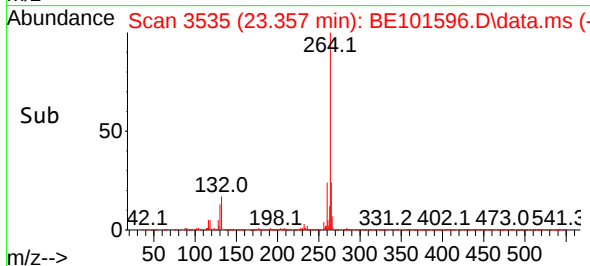
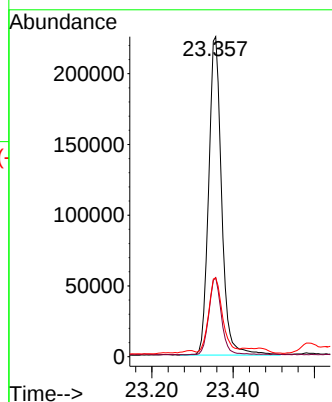
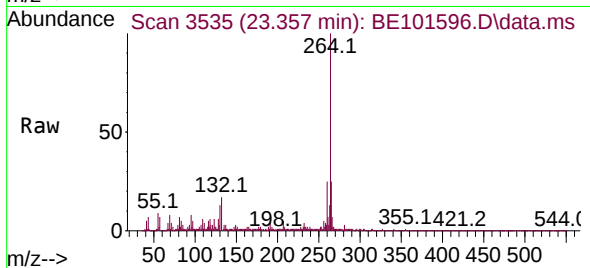
Tgt Ion:264 Resp: 495731

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 24.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.974 ng

RT: 25.678 min Scan# 3930

Delta R.T. -0.017 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

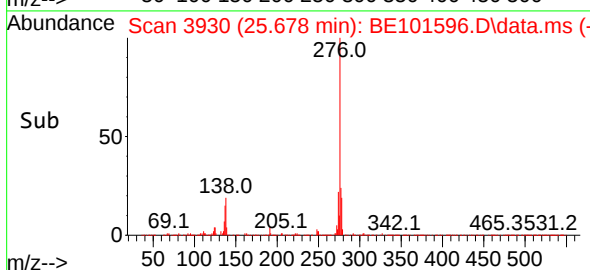
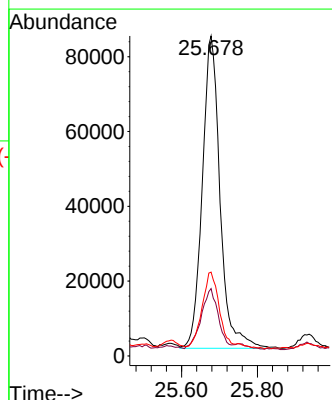
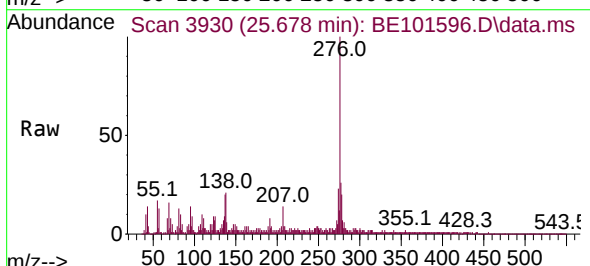
Tgt Ion:276 Resp: 271635

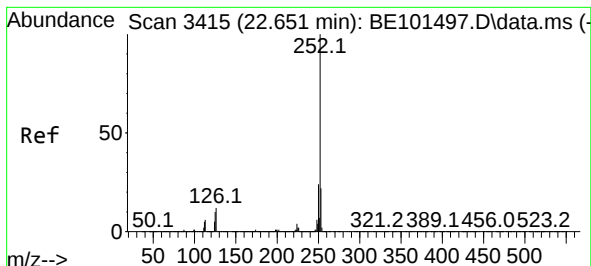
Ion Ratio Lower Upper

276 100

138 18.2 17.0 25.6

277 25.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 17.900 ng m

RT: 22.646 min Scan# 3415

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

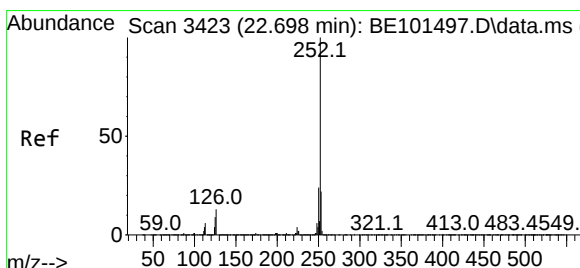
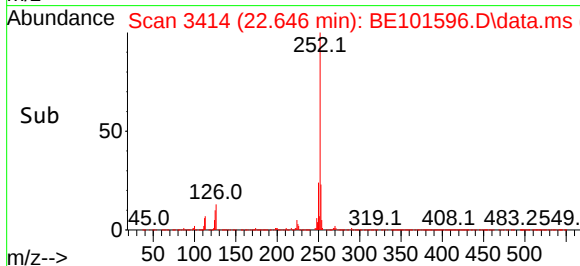
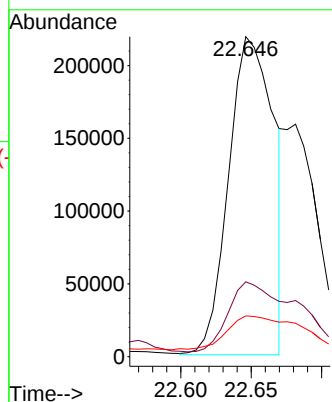
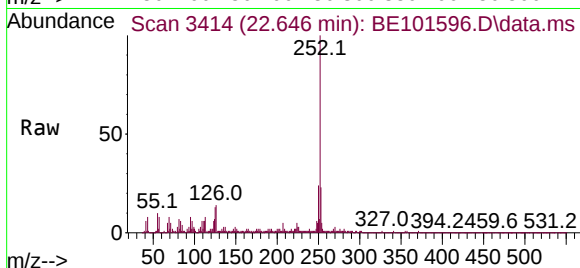
Tgt Ion:252 Resp: 486847

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.7 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 11.015 ng m

RT: 22.681 min Scan# 3420

Delta R.T. -0.017 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

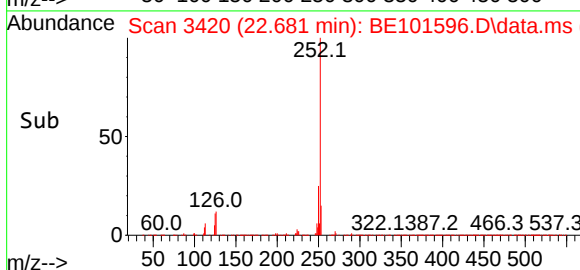
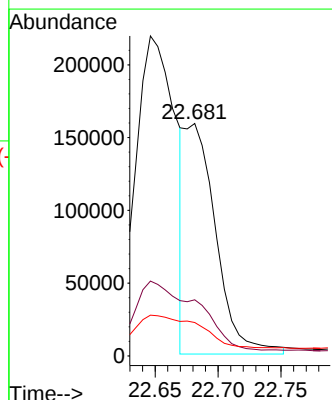
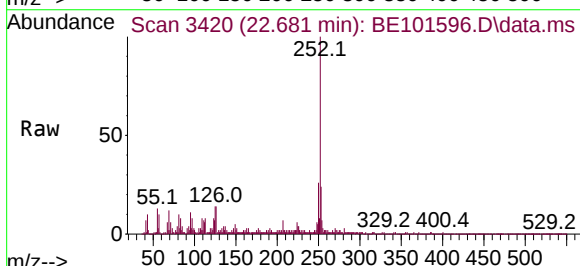
Tgt Ion:252 Resp: 271948

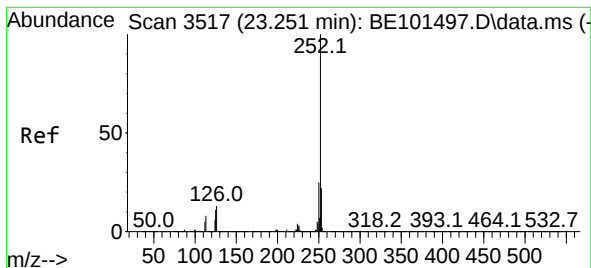
Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

125 14.4 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 13.592 ng

RT: 23.245 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

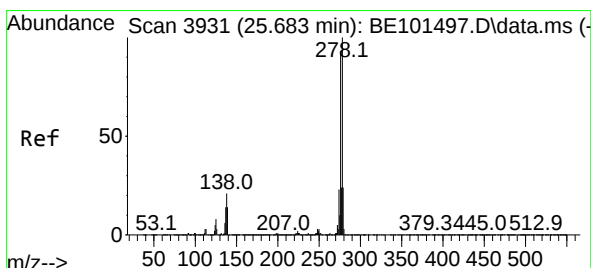
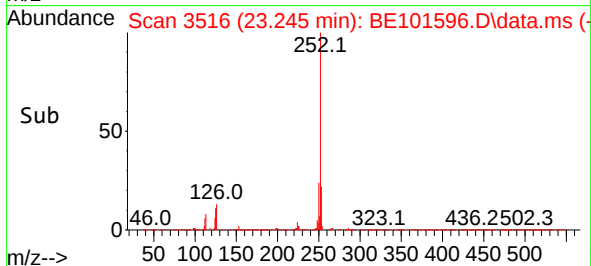
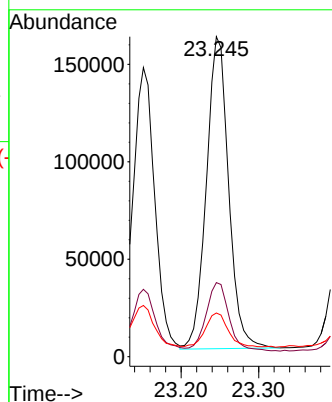
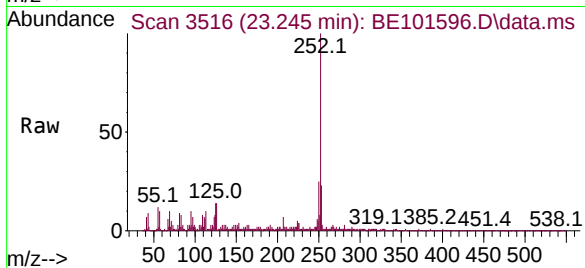
Tgt Ion:252 Resp: 319154

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 13.7 8.6 13.0#



#91

Dibenzo(a,h)anthracene

Concen: 2.274 ng

RT: 25.660 min Scan# 3927

Delta R.T. -0.023 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

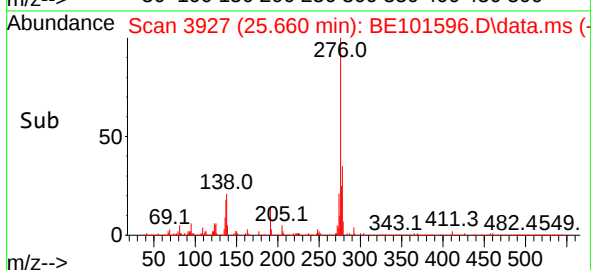
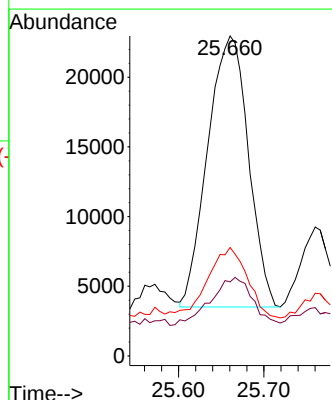
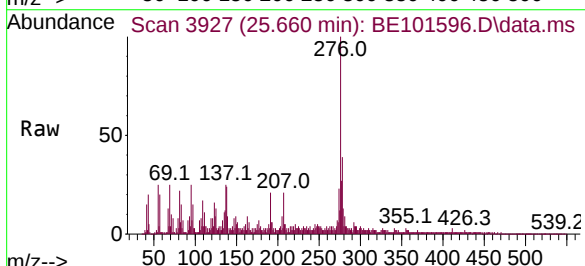
Tgt Ion:278 Resp: 64517

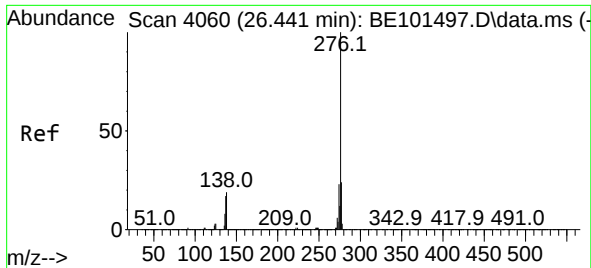
Ion Ratio Lower Upper

278 100

139 23.2 11.2 16.8#

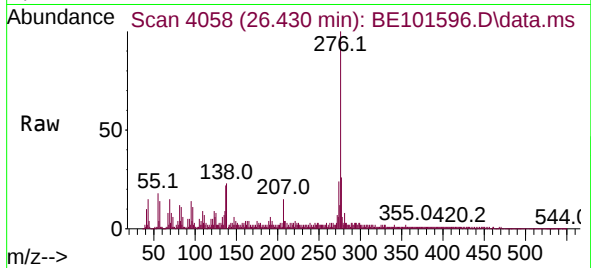
279 33.9 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 9.334 ng
 RT: 26.430 min Scan# 4060
 Delta R.T. -0.011 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

Instrument :
 BNA_E
 ClientSampleId :
 331



Tgt Ion: 276 Resp: 269040

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.5	29.3
138	22.6	15.3	22.9

