

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101519.D
 Acq On : 7 Nov 2024 5:25
 Operator : RC/JU
 Sample : P4711-01 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-16

Quant Time: Nov 07 05:13:02 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)

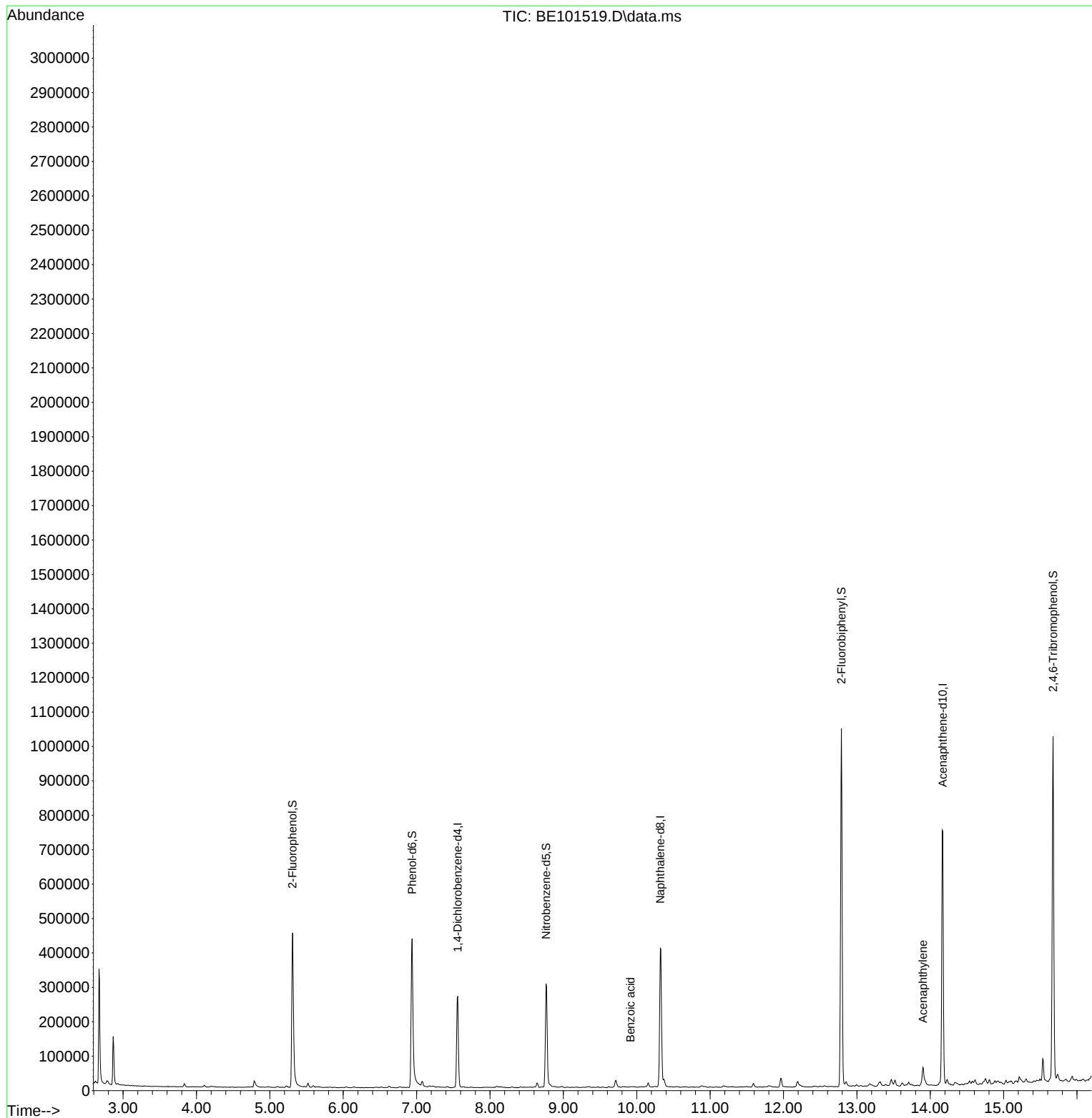
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	78284	20.000	ng	0.00
21) Naphthalene-d8	10.322	136	364054	20.000	ng	0.00
39) Acenaphthene-d10	14.170	164	262339	20.000	ng	0.00
64) Phenanthrene-d10	16.902	188	608779	20.000	ng	0.00
76) Chrysene-d12	21.068	240	662022	20.000	ng	0.00
86) Perylene-d12	23.359	264	864705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	235556	53.204	ng	0.00
7) Phenol-d6	6.937	99	318211	52.421	ng	0.00
23) Nitrobenzene-d5	8.765	82	187668	32.561	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	246265	49.887	ng	0.00
45) 2-Fluorobiphenyl	12.789	172	544131	33.867	ng	0.00
79) Terphenyl-d14	19.499	244	1185046	39.624	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.916	122	120	6.864	ng	# 79
49) Acenaphthylene	13.900	152	50833	2.390	ng	99
71) Phenanthrene	16.943	178	244516	8.258	ng	99
72) Anthracene	17.031	178	63804	2.182	ng	95
75) Fluoranthene	18.953	202	577284	15.206	ng	99
78) Pyrene	19.323	202	562809	14.941	ng	99
81) Benzo(a)anthracene	21.044	228	324699	8.258	ng	97
83) Chrysene	21.103	228	394894	10.567	ng	98
84) Bis(2-ethylhexyl)phtha...	20.874	149	51961	2.030	ng	# 97
87) Indeno(1,2,3-cd)pyrene	25.674	276	321834	5.416	ng	94
88) Benzo(b)fluoranthene	22.648	252	736997	15.535	ng	97
89) Benzo(k)fluoranthene	22.648	252	736997	17.113	ng	98
90) Benzo(a)pyrene	23.248	252	360459	8.801	ng	97
92) Benzo(g,h,i)perylene	26.426	276	332821	6.620	ng	98

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

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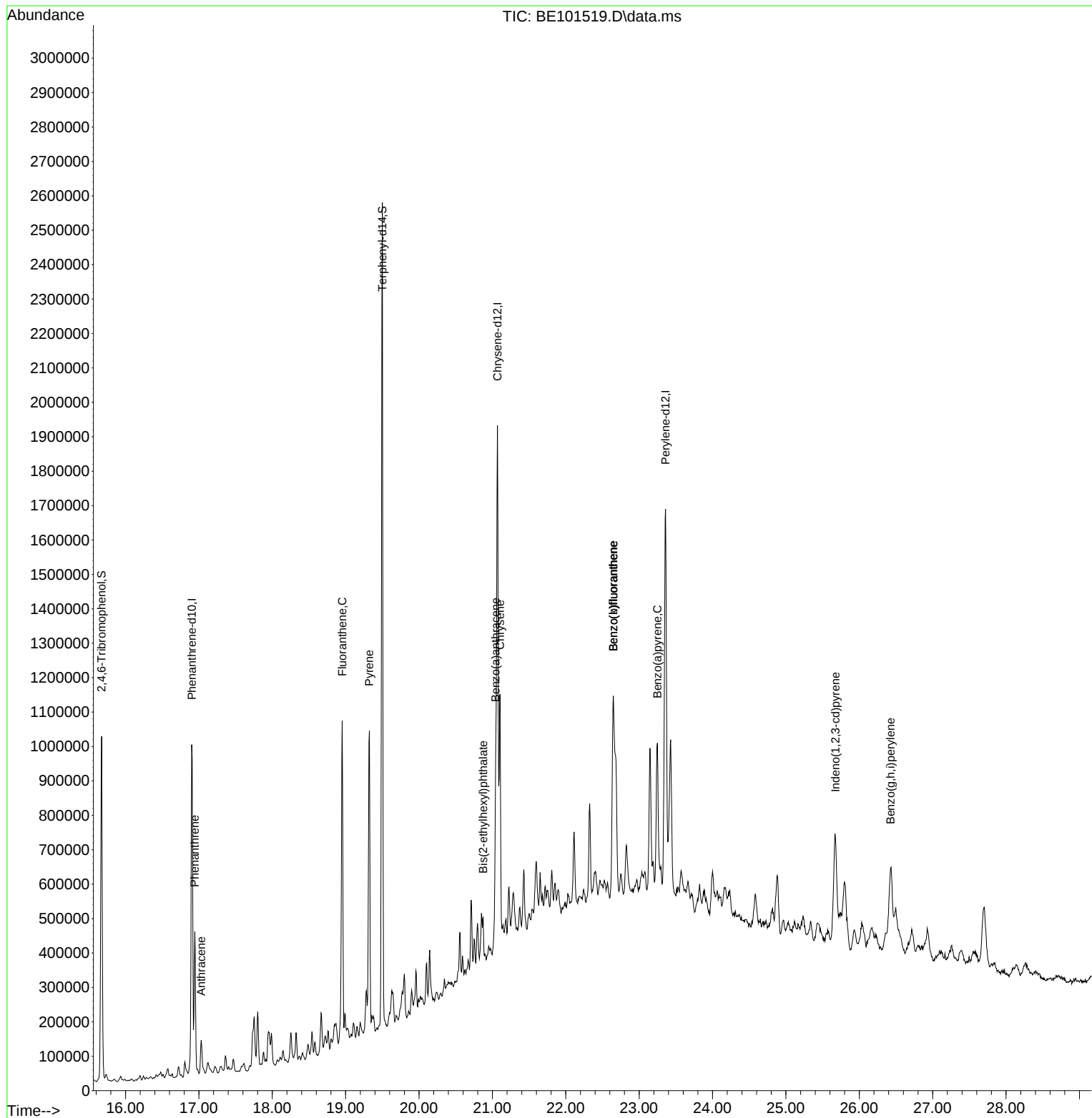
Quant Time: Nov 07 05:13:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
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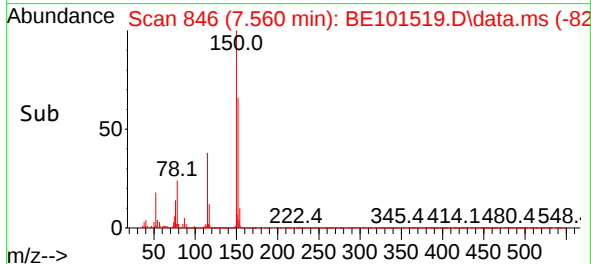
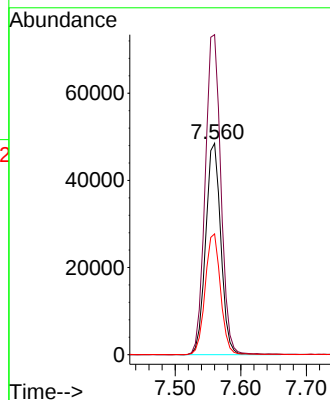
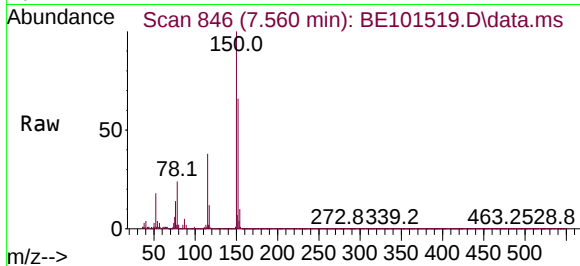




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.560 min Scan# 84
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

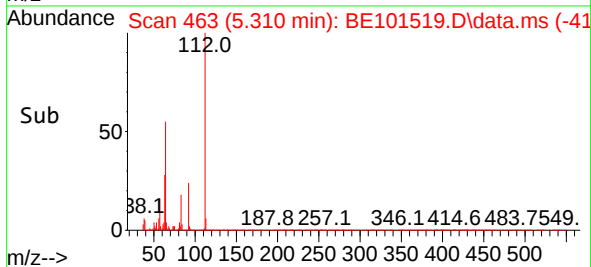
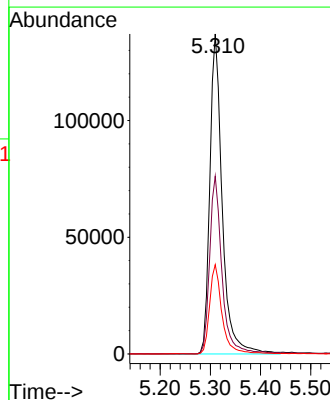
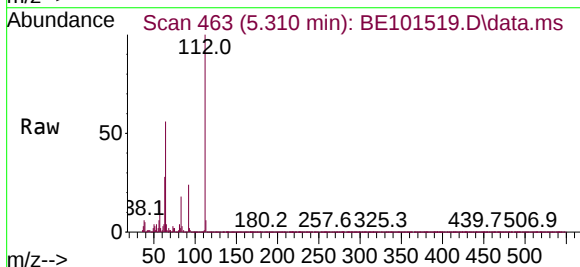
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

Tgt Ion:152 Resp: 78284
Ion Ratio Lower Upper
152 100
150 151.4 126.3 189.5
115 57.1 45.0 67.4



#5
2-Fluorophenol
Concen: 53.204 ng
RT: 5.310 min Scan# 463
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:112 Resp: 235556
Ion Ratio Lower Upper
112 100
64 55.6 43.2 64.8
63 27.9 21.8 32.6

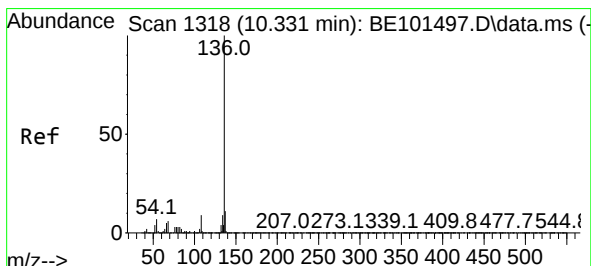
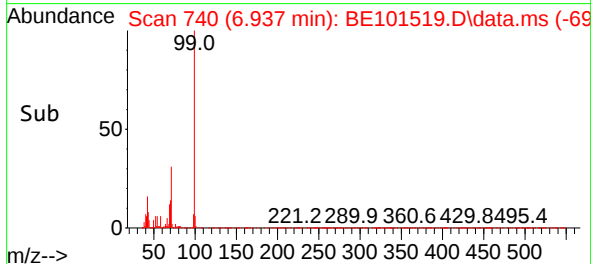
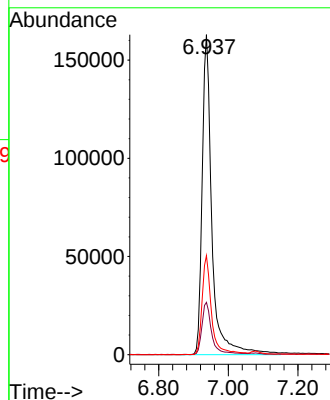
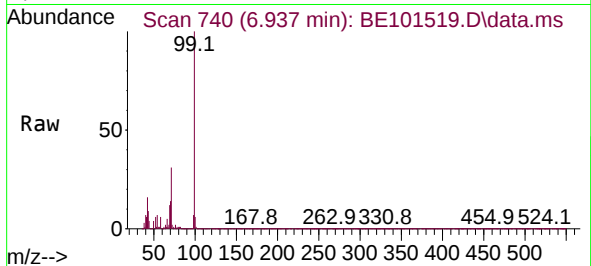




#7
Phenol-d6
Concen: 52.421 ng
RT: 6.937 min Scan# 741
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

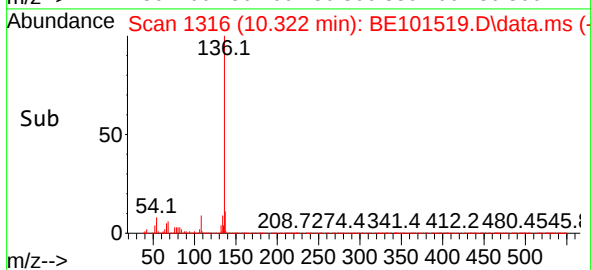
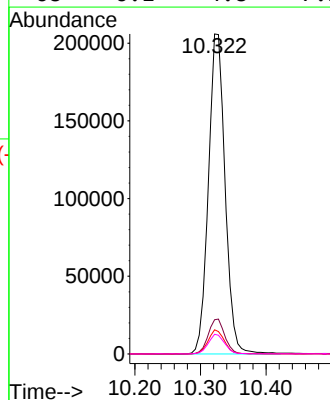
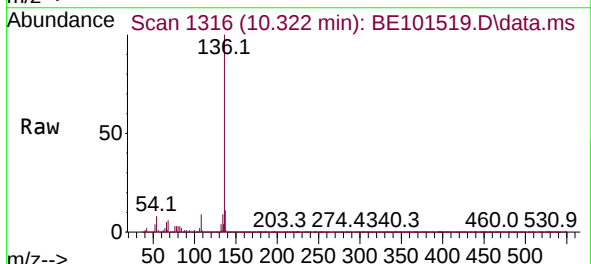
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

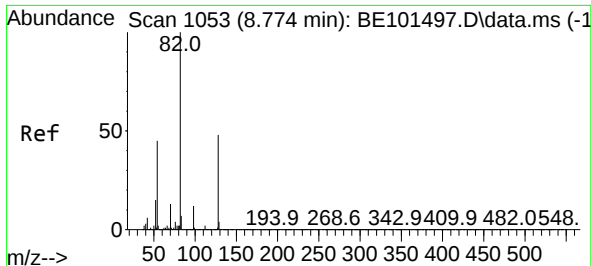
Tgt Ion: 99 Resp: 318211
Ion Ratio Lower Upper
99 100
42 16.3 12.5 18.7
71 31.0 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.322 min Scan# 1316
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion: 136 Resp: 364054
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.6 5.6 8.4
68 6.1 4.8 7.2

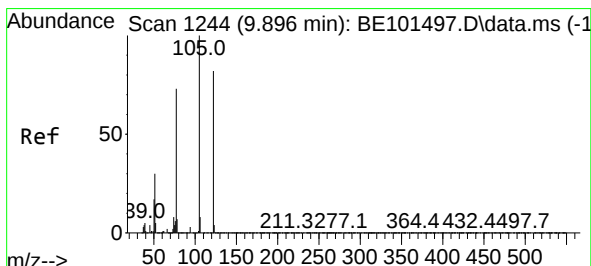
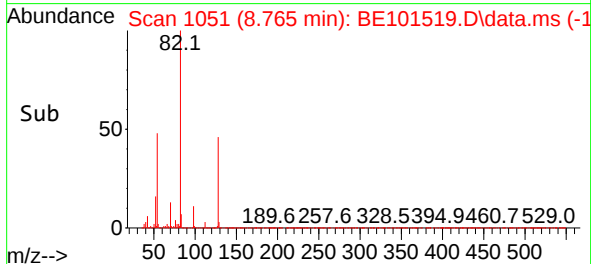
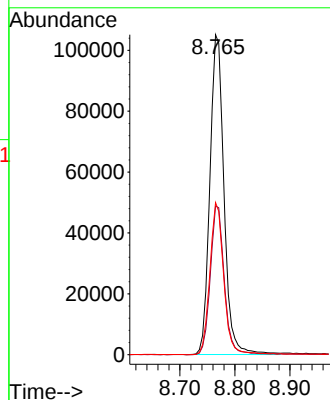
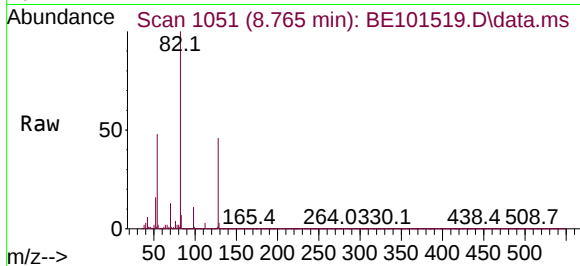




#23
Nitrobenzene-d5
Concen: 32.561 ng
RT: 8.765 min Scan# 1051
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

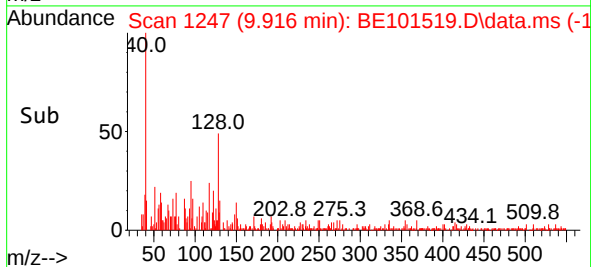
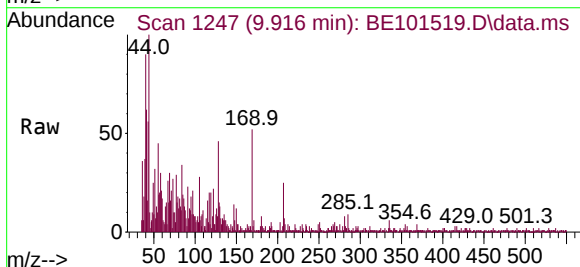
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BNA_E
ClientSampleId :
CF-613-COMP-16

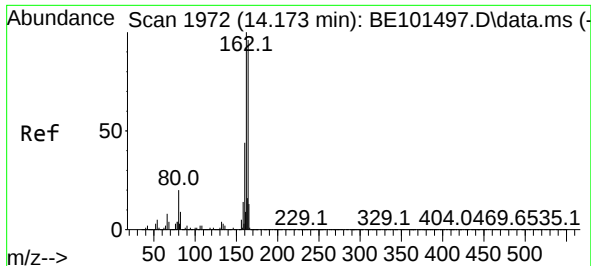
Tgt Ion: 82 Resp: 187668
Ion Ratio Lower Upper
82 100
128 46.4 38.6 58.0
54 47.6 36.3 54.5



#32
Benzoic acid
Concen: 6.864 ng
RT: 9.916 min Scan# 1247
Delta R.T. 0.020 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion: 122 Resp: 120
Ion Ratio Lower Upper
122 100
105 125.7 100.6 140.6
77 129.5 68.6 108.6

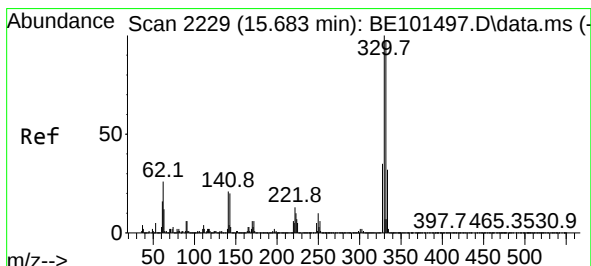
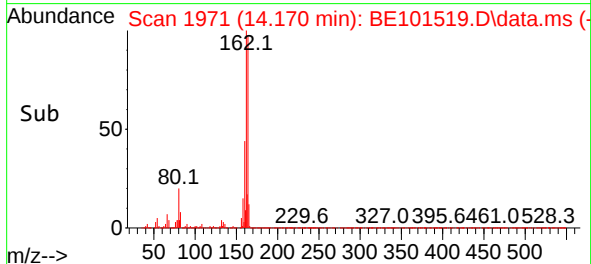
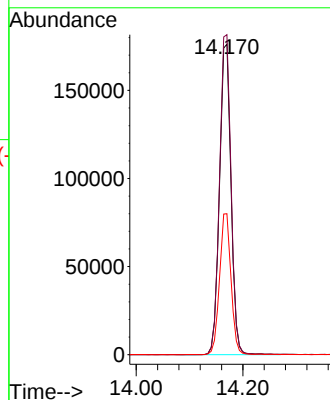
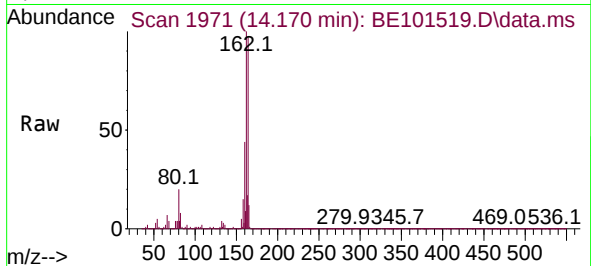




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.170 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

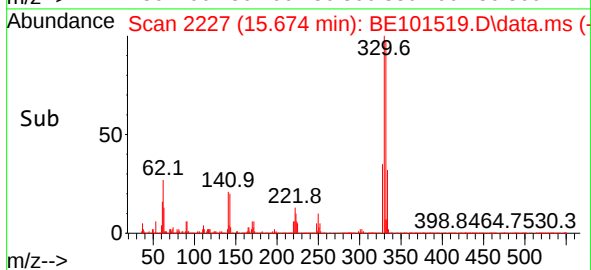
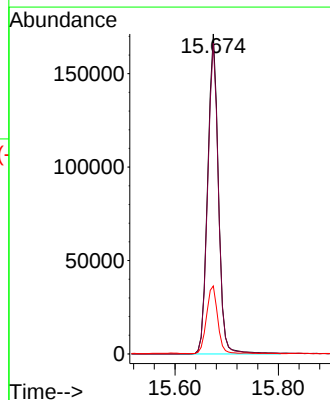
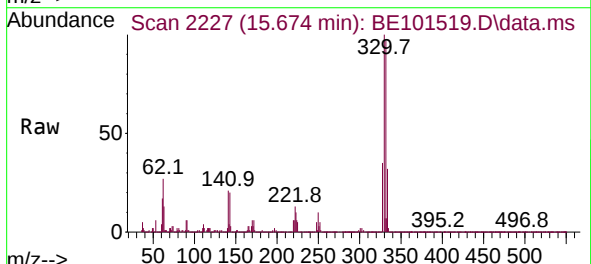
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ClientSampleId :
CF-613-COMP-16

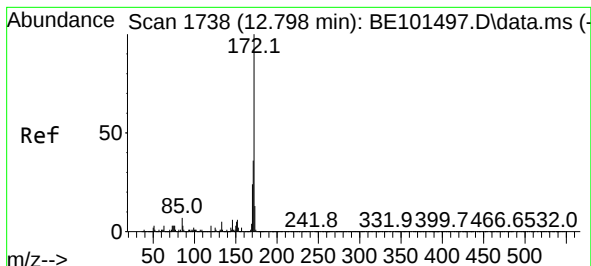
Tgt Ion:164 Resp: 262339
Ion Ratio Lower Upper
164 100
162 103.1 83.7 125.5
160 45.4 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 49.887 ng
RT: 15.674 min Scan# 2227
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:330 Resp: 246265
Ion Ratio Lower Upper
330 100
332 97.0 77.7 116.5
141 21.8 17.0 25.4





#45

2-Fluorobiphenyl

Concen: 33.867 ng

RT: 12.789 min Scan# 1

Delta R.T. -0.009 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

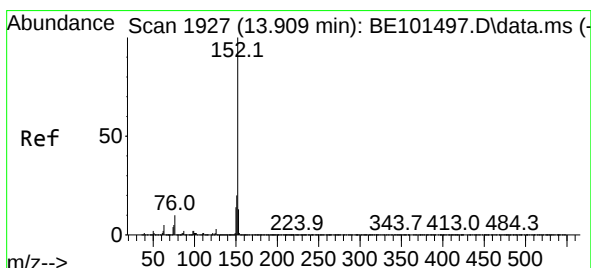
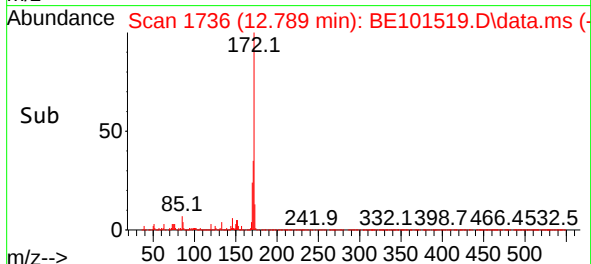
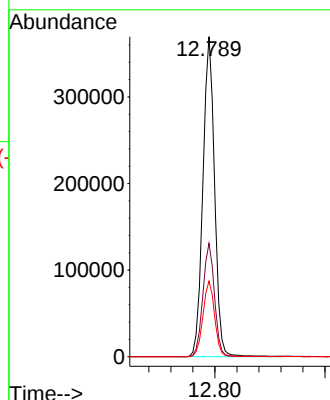
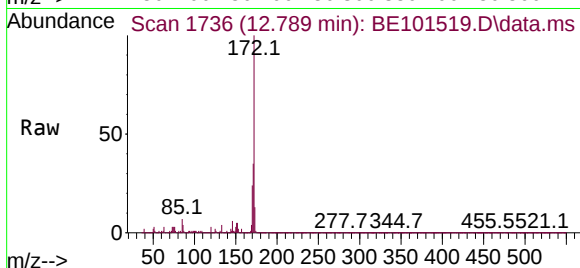
Tgt Ion:172 Resp: 544131

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.6 18.9 28.3



#49

Acenaphthylene

Concen: 2.390 ng

RT: 13.900 min Scan# 1925

Delta R.T. -0.009 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

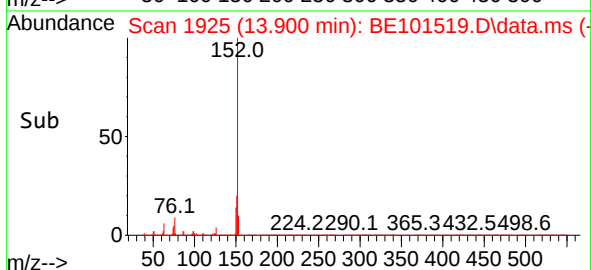
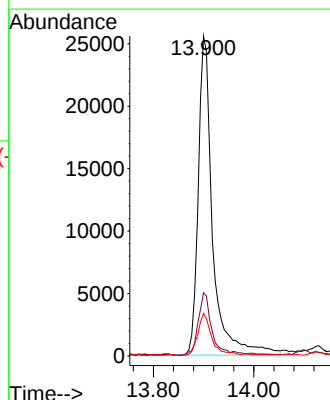
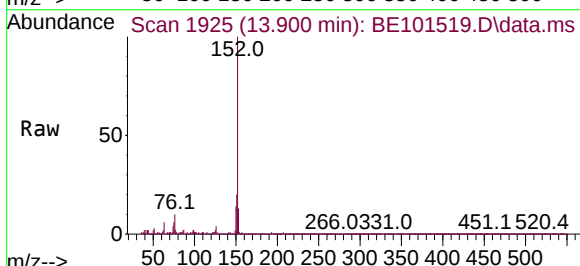
Tgt Ion:152 Resp: 50833

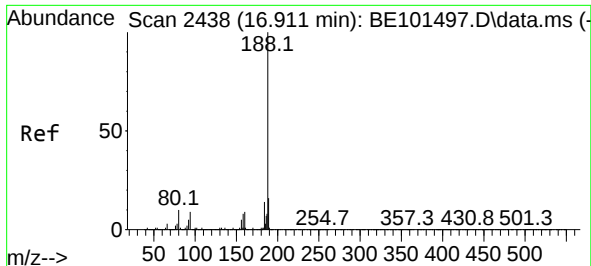
Ion Ratio Lower Upper

152 100

151 19.8 15.6 23.4

153 13.3 10.3 15.5

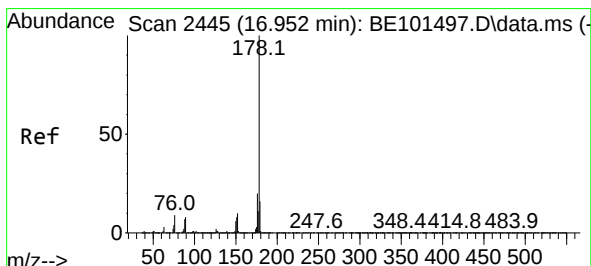
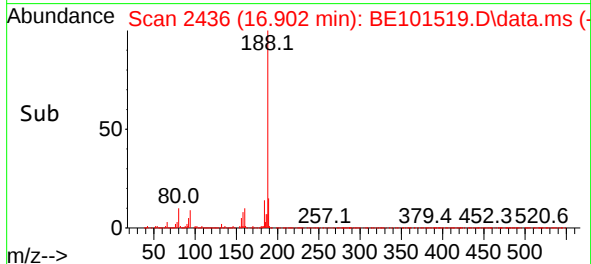
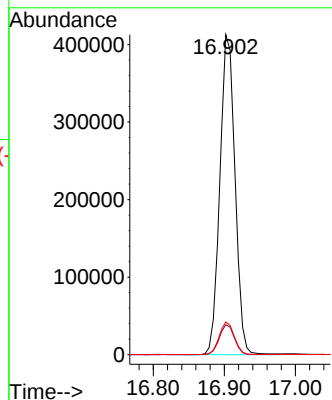
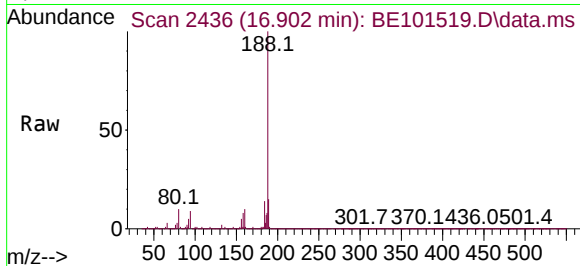




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.902 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

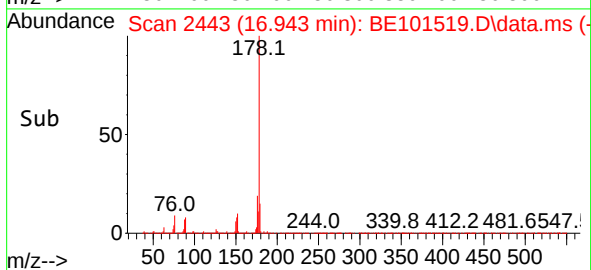
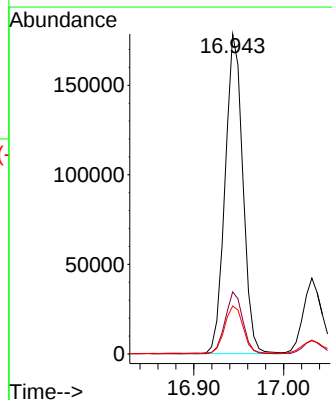
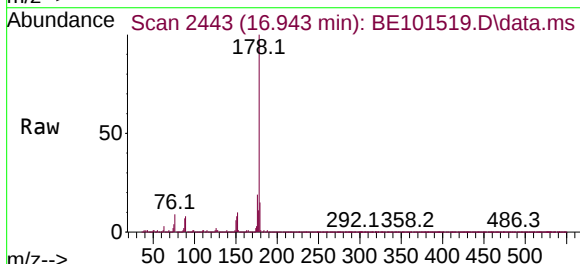
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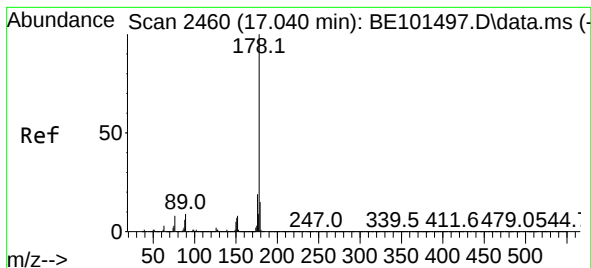
Tgt Ion:188 Resp: 608779
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.3 8.0 12.0



#71
Phenanthrene
Concen: 8.258 ng
RT: 16.943 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:178 Resp: 244516
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.0 12.6 19.0





#72

Anthracene

Concen: 2.182 ng

RT: 17.031 min Scan# 2460

Delta R.T. -0.009 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

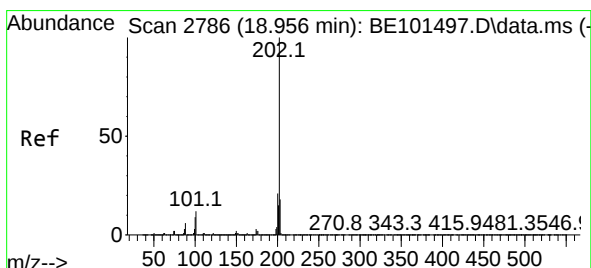
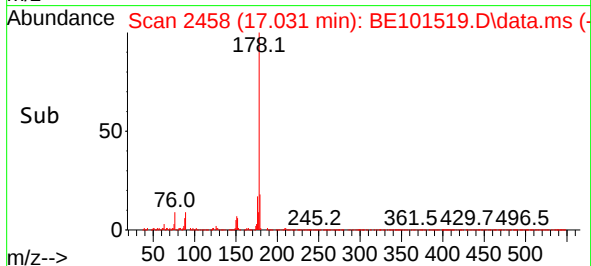
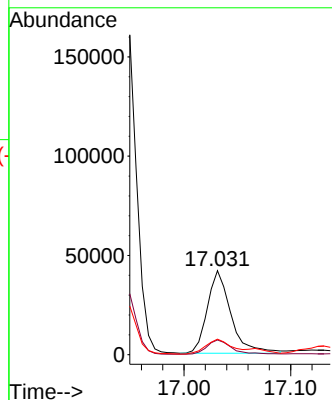
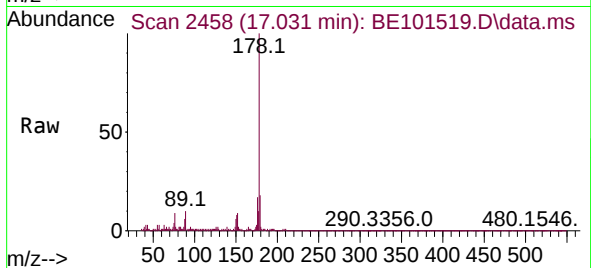
Tgt Ion:178 Resp: 63804

Ion Ratio Lower Upper

178 100

176 17.5 15.1 22.7

179 18.5 12.4 18.6



#75

Fluoranthene

Concen: 15.206 ng

RT: 18.953 min Scan# 2785

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

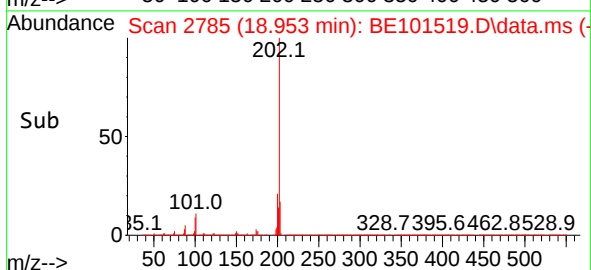
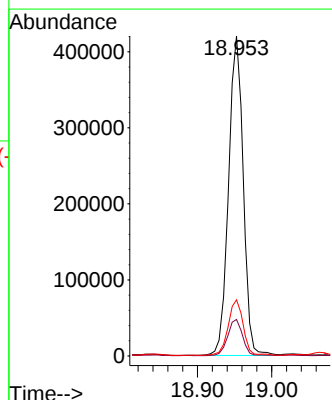
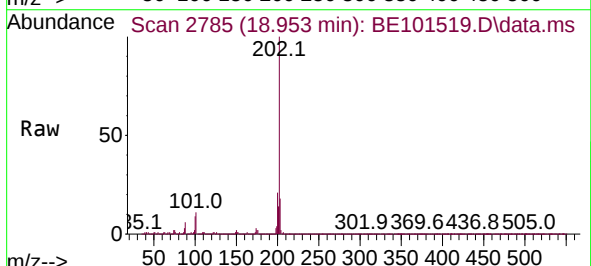
Tgt Ion:202 Resp: 577284

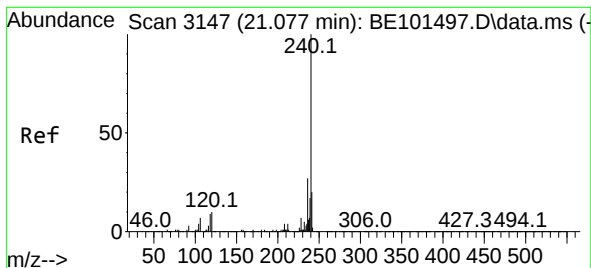
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.7

203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.068 min Scan# 3145

Delta R.T. -0.009 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

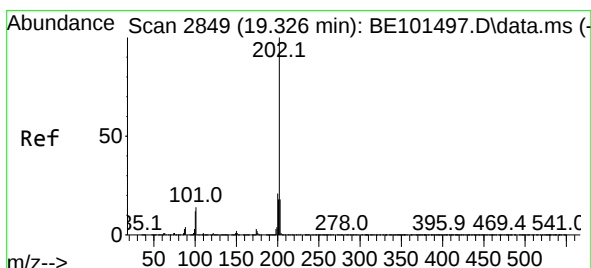
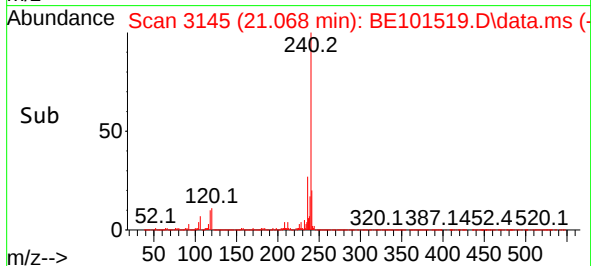
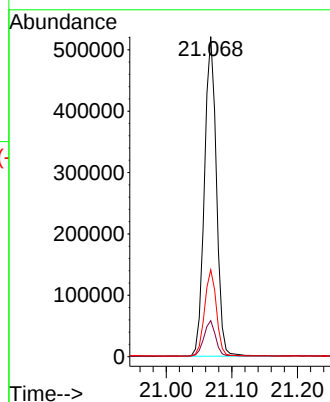
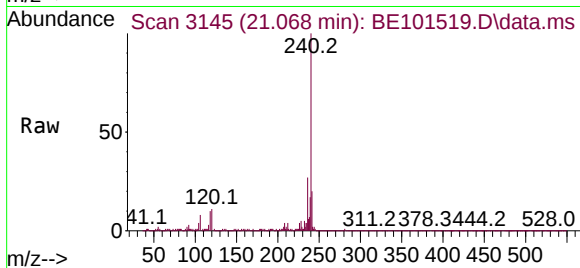
Tgt Ion:240 Resp: 662022

Ion Ratio Lower Upper

240 100

120 11.3 8.2 12.4

236 27.1 21.4 32.2



#78

Pyrene

Concen: 14.941 ng

RT: 19.323 min Scan# 2848

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

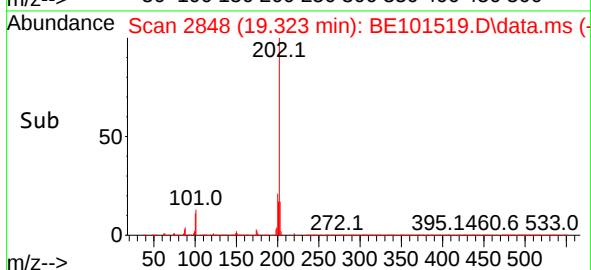
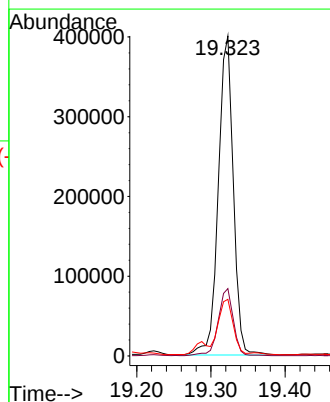
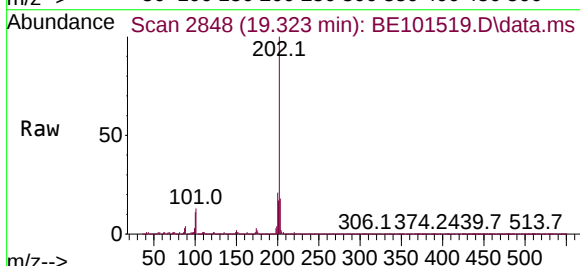
Tgt Ion:202 Resp: 562809

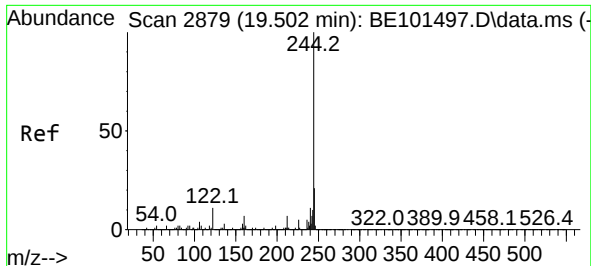
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.7 14.2 21.4

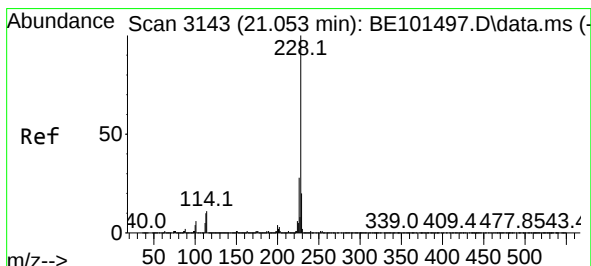
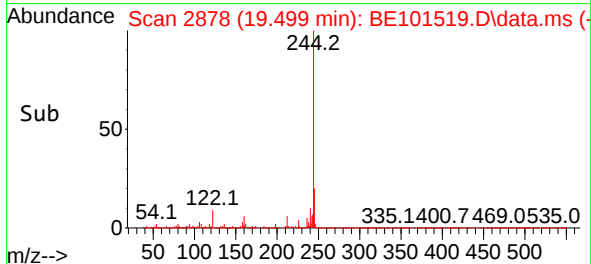
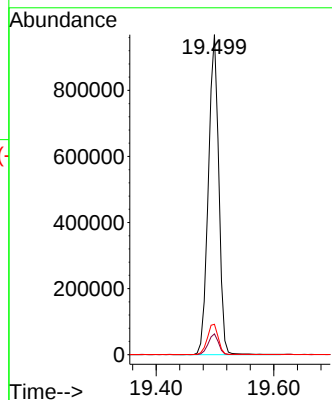
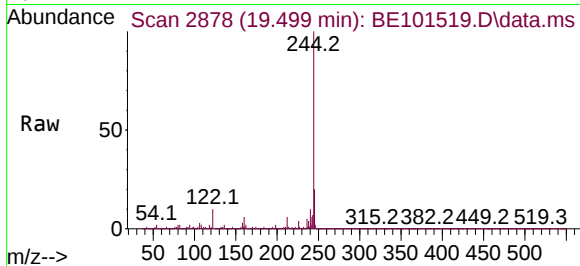




#79
 Terphenyl-d14
 Concen: 39.624 ng
 RT: 19.499 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BE101519.D
 Acq: 7 Nov 2024 5:25

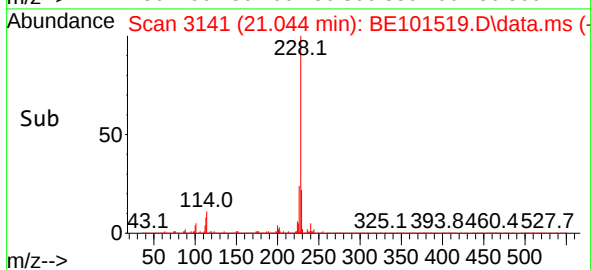
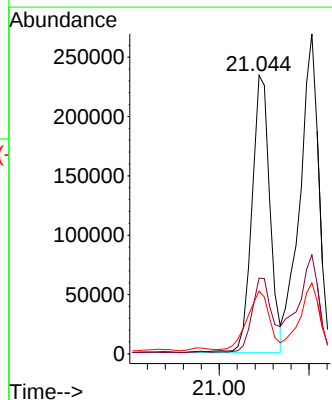
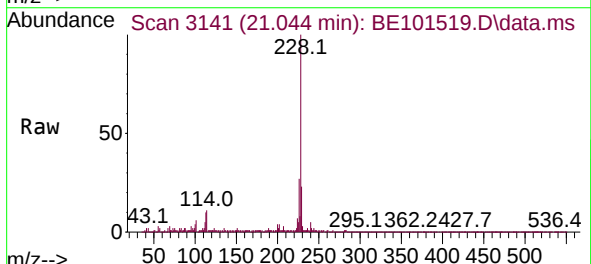
Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-16

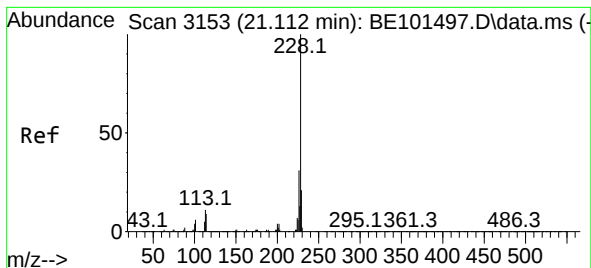
Tgt Ion:244 Resp: 1185046
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 9.5 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 8.258 ng
 RT: 21.044 min Scan# 3141
 Delta R.T. -0.009 min
 Lab File: BE101519.D
 Acq: 7 Nov 2024 5:25

Tgt Ion:228 Resp: 324699
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 22.6 16.1 24.1





#83

Chrysene

Concen: 10.567 ng

RT: 21.103 min Scan# 3151

Delta R.T. -0.009 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

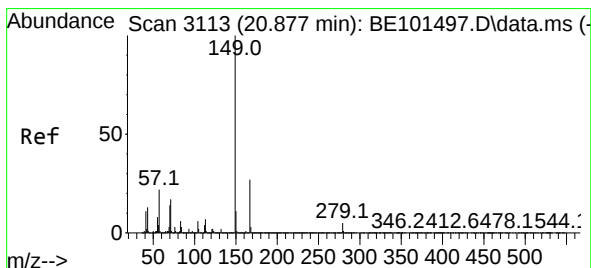
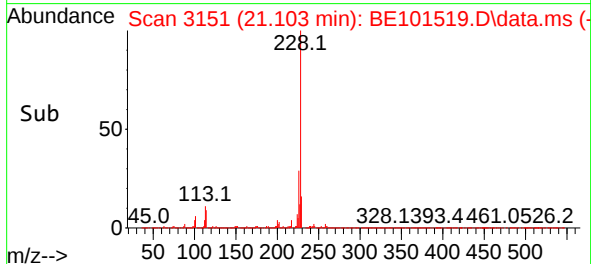
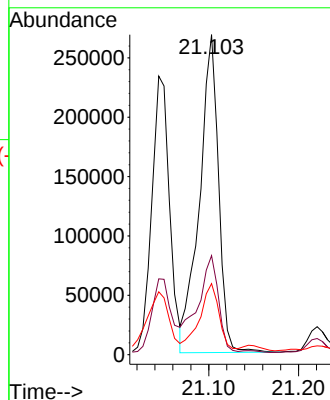
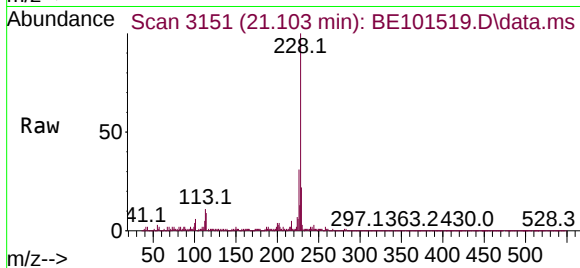
Tgt Ion:228 Resp: 394894

Ion Ratio Lower Upper

228 100

226 30.9 25.1 37.7

229 22.2 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.030 ng

RT: 20.874 min Scan# 3112

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

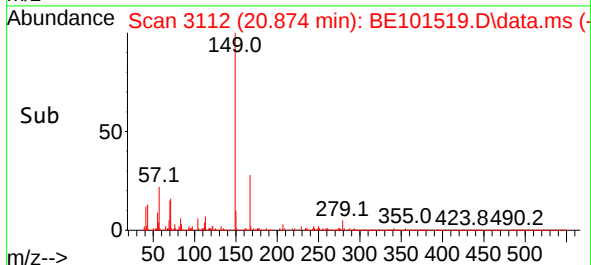
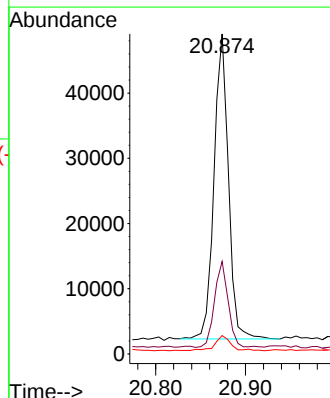
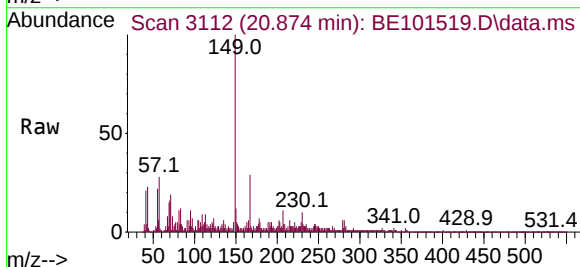
Tgt Ion:149 Resp: 51961

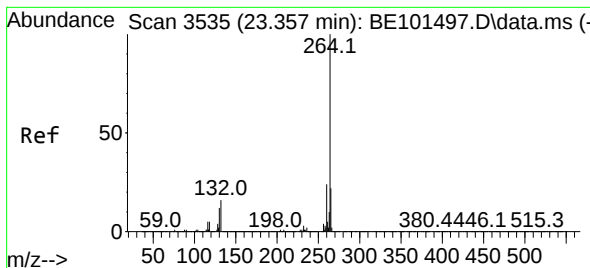
Ion Ratio Lower Upper

149 100

167 28.9 21.8 32.6

279 5.7 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.359 min Scan# 3

Delta R.T. 0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

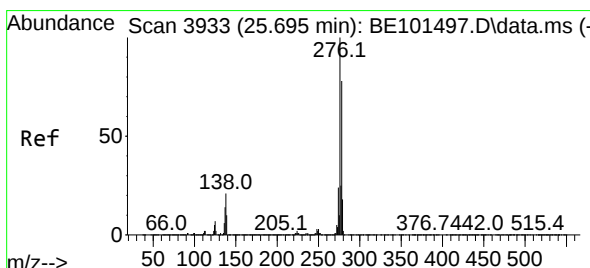
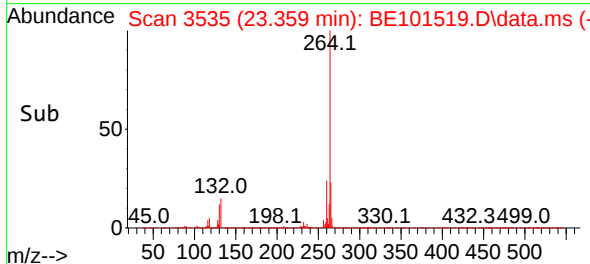
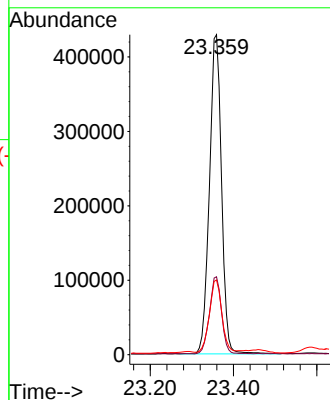
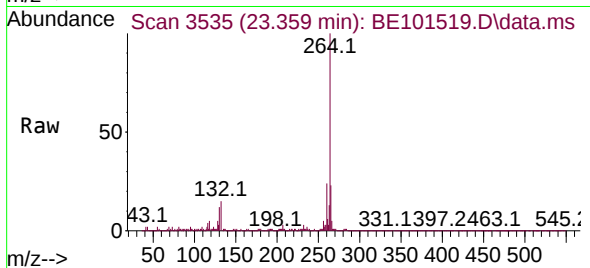
Tgt Ion:264 Resp: 864705

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 23.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.416 ng

RT: 25.674 min Scan# 3929

Delta R.T. -0.021 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

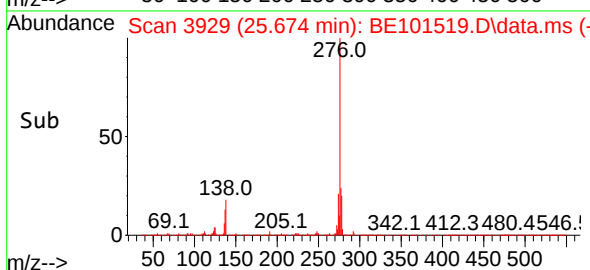
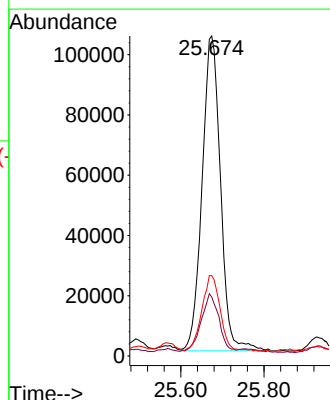
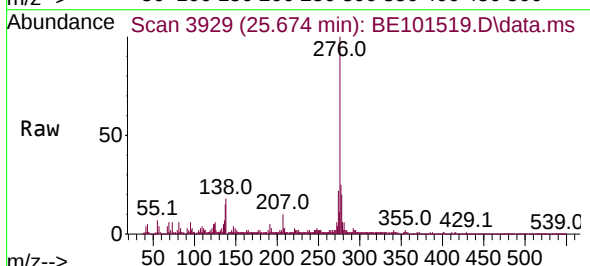
Tgt Ion:276 Resp: 321834

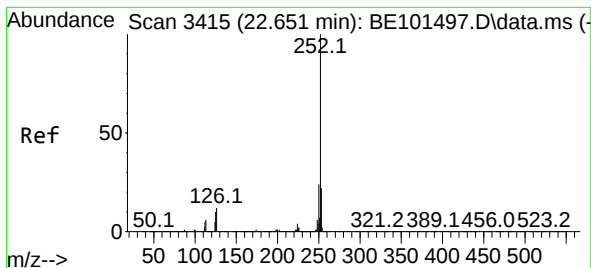
Ion Ratio Lower Upper

276 100

138 17.4 17.0 25.6

277 23.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 15.535 ng

RT: 22.648 min Scan# 3414

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

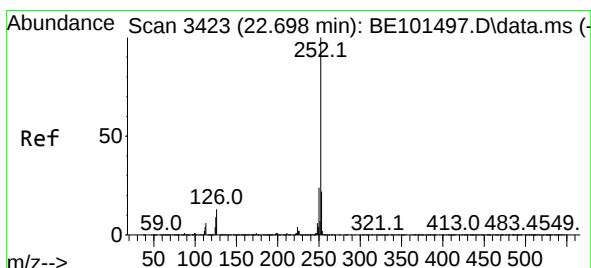
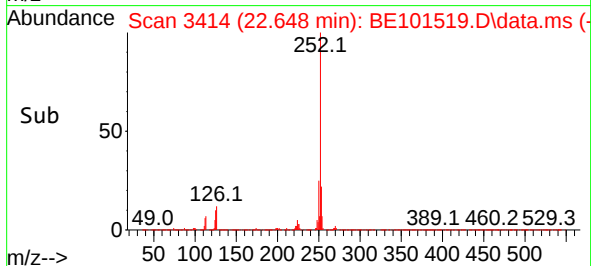
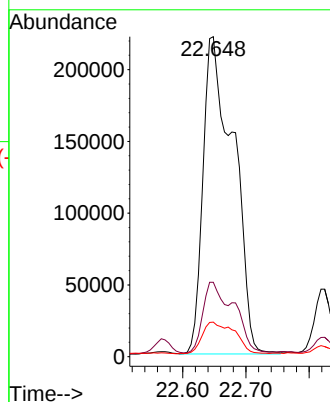
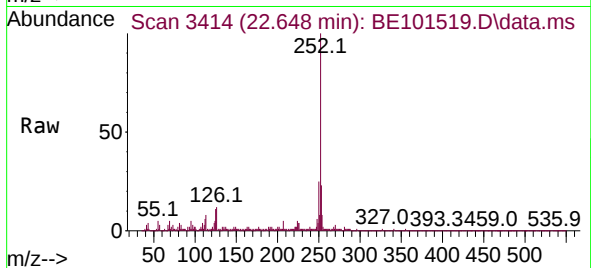
Tgt Ion:252 Resp: 736997

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.8 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 17.113 ng

RT: 22.648 min Scan# 3414

Delta R.T. -0.050 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

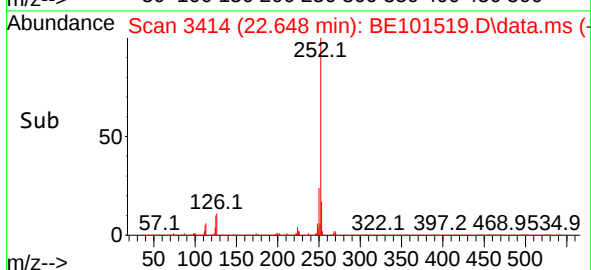
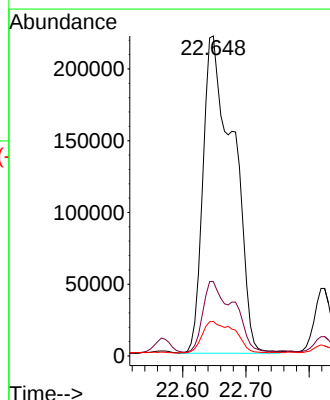
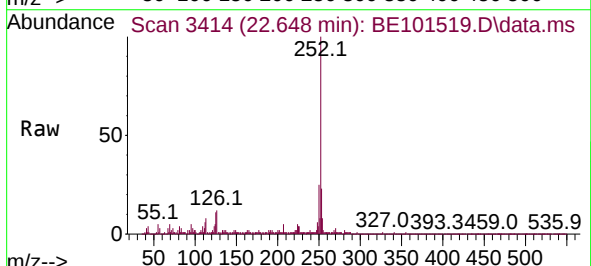
Tgt Ion:252 Resp: 736997

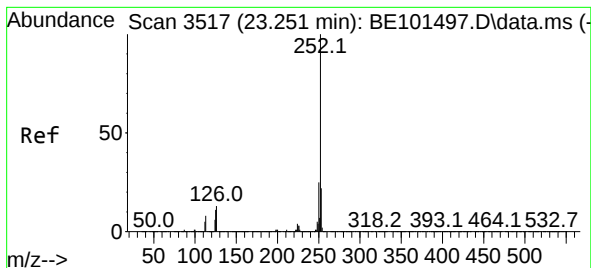
Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 10.8 7.7 11.5





#90

Benzo(a)pyrene

Concen: 8.801 ng

RT: 23.248 min Scan# 3

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

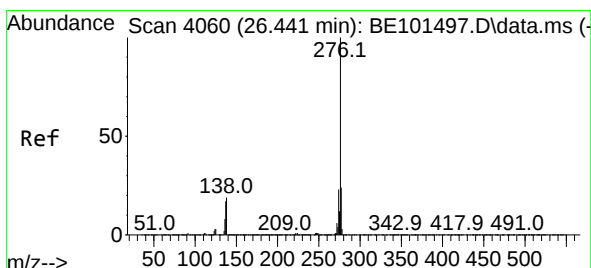
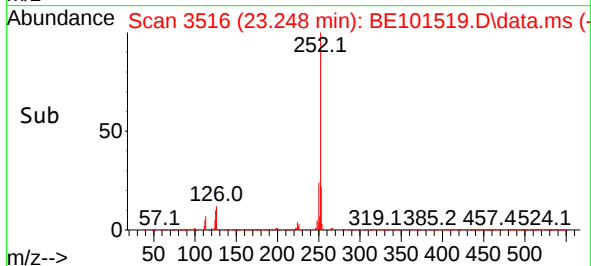
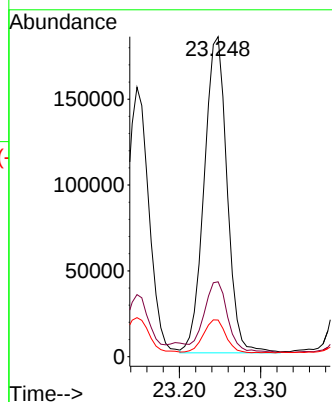
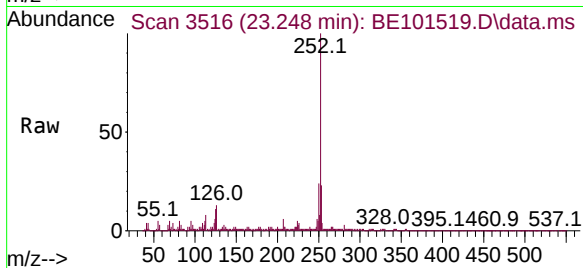
Tgt Ion:252 Resp: 360459

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 11.5 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 6.620 ng

RT: 26.426 min Scan# 4057

Delta R.T. -0.015 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Tgt Ion:276 Resp: 332821

Ion Ratio Lower Upper

276 100

277 26.0 19.5 29.3

138 19.0 15.3 22.9

