

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101521.D
 Acq On : 7 Nov 2024 6:37
 Operator : RC/JU
 Sample : P4708-01 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OR-02-110424

Quant Time: Nov 07 06:28:44 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)

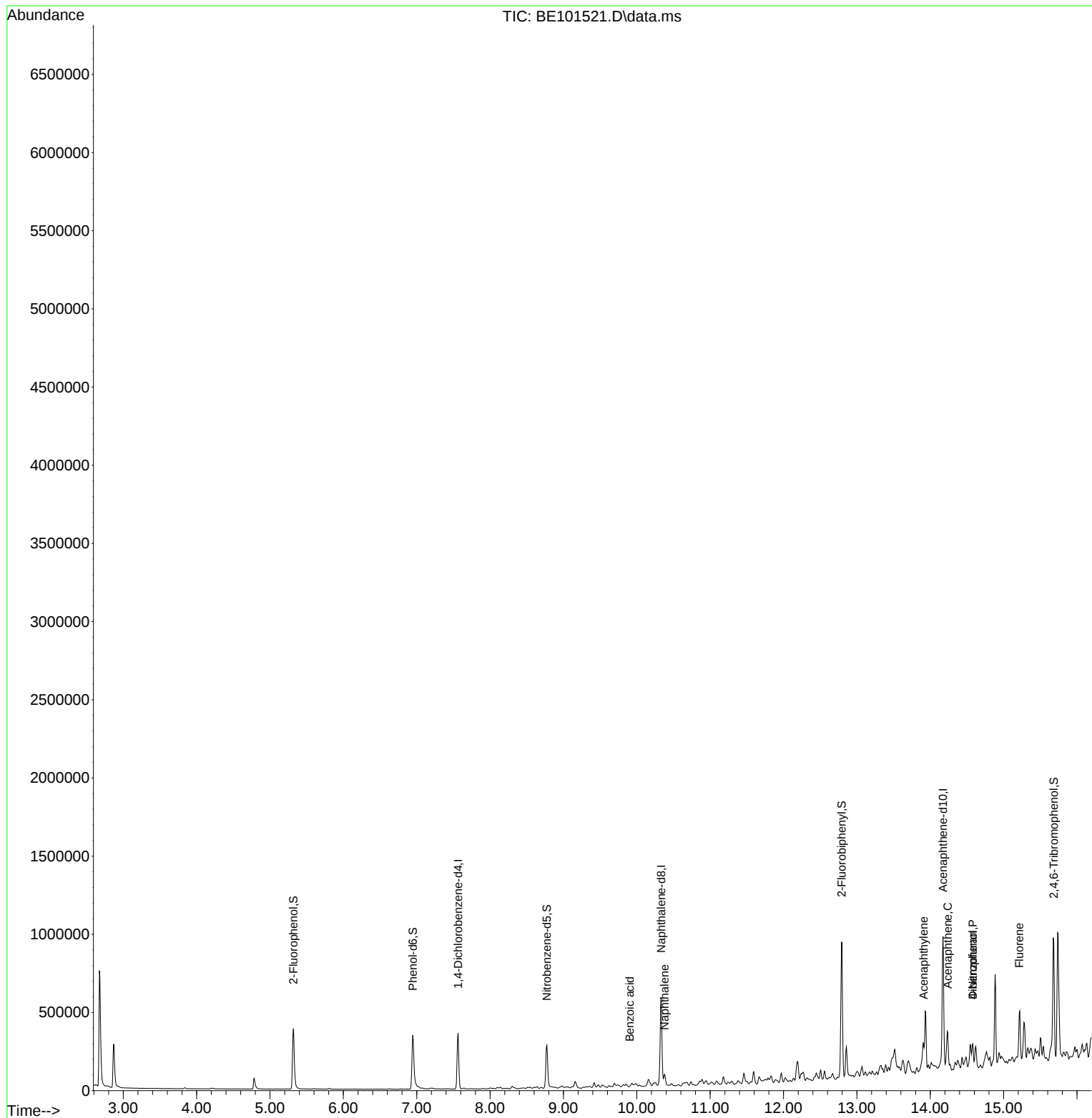
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	102904	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	455557	20.000	ng	0.00
39) Acenaphthene-d10	14.173	164	297606	20.000	ng	0.00
64) Phenanthrene-d10	16.911	188	632358	20.000	ng	0.00
76) Chrysene-d12	21.077	240	637468	20.000	ng	0.00
86) Perylene-d12	23.380	264	857820	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	214975	36.939	ng	0.00
7) Phenol-d6	6.947	99	276434	34.644	ng	0.00
23) Nitrobenzene-d5	8.774	82	167764	23.261	ng	0.00
42) 2,4,6-Tribromophenol	15.683	330	188528	33.665	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	466142	25.575	ng	0.00
79) Terphenyl-d14	19.508	244	863751	29.993	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.378	128	57465	2.499	ng	98
32) Benzoic acid	9.902	122	81	6.850	ng	# 1
49) Acenaphthylene	13.909	152	135101	5.599	ng	98
52) Acenaphthene	14.238	154	76747	4.984	ng	97
55) Dibenzofuran	14.579	168	79303	3.198	ng	99
56) 4-Nitrophenol	14.579	139	31304	7.983	ng	# 26
58) Fluorene	15.213	166	139899	6.761	ng	99
71) Phenanthrene	16.958	178	1343093	43.669	ng	100
72) Anthracene	17.041	178	453517	14.932	ng	98
73) Carbazole	17.370	167	105694	3.470	ng	97
75) Fluoranthene	18.968	202	2251758	57.102	ng	99
78) Pyrene	19.338	202	2226950	61.397	ng	97
81) Benzo(a)anthracene	21.059	228	1368071	36.135	ng	97
83) Chrysene	21.118	228	1229154	34.157	ng	97
87) Indeno(1,2,3-cd)pyrene	25.725	276	1162218	19.715	ng	# 94
88) Benzo(b)fluoranthene	22.669	252	1576779	33.503	ng	98
89) Benzo(k)fluoranthene	22.669	252	1576779	36.907	ng	98
90) Benzo(a)pyrene	23.274	252	1528422	37.617	ng	98
91) Dibenzo(a,h)anthracene	25.695	278	268506	5.469	ng	# 86
92) Benzo(g,h,i)perylene	26.482	276	1117102	22.397	ng	97

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

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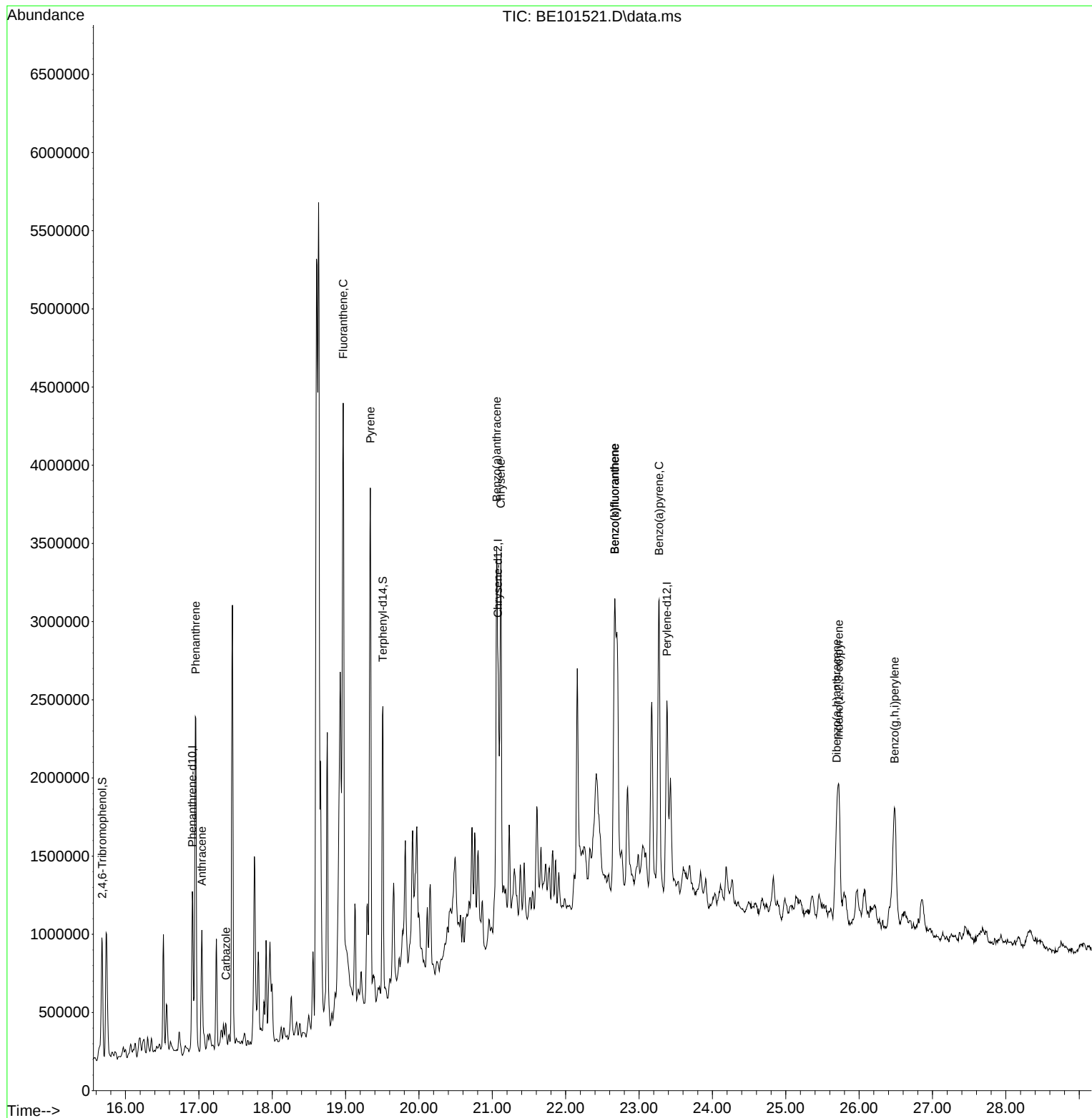
Quant Time: Nov 07 06:28:44 2024
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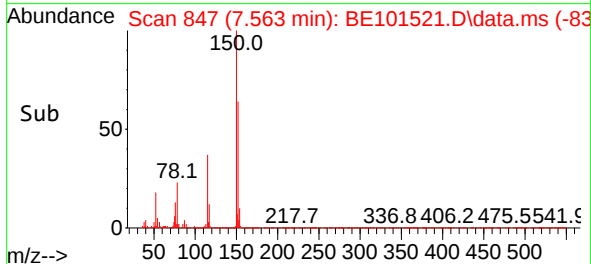
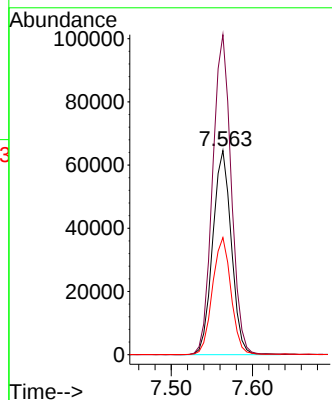
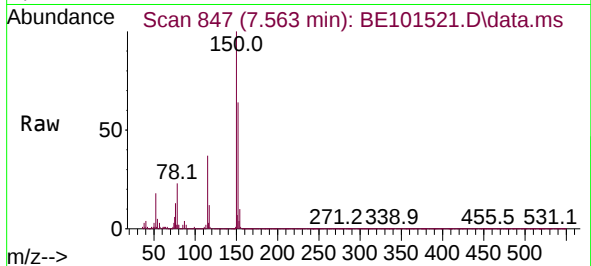




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.563 min Scan# 847
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

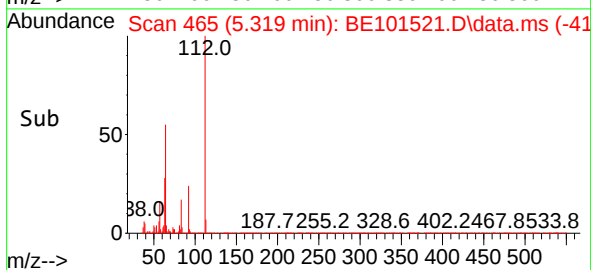
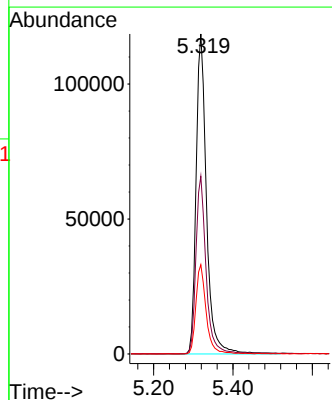
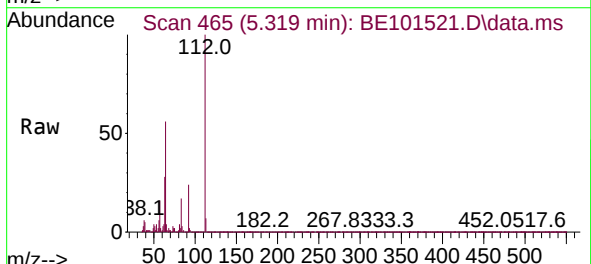
Instrument :
BNA_E
ClientSampleId :
OR-02-110424

Tgt Ion:152 Resp: 102904
Ion Ratio Lower Upper
152 100
150 156.8 126.3 189.5
115 57.4 45.0 67.4



#5
2-Fluorophenol
Concen: 36.939 ng
RT: 5.319 min Scan# 465
Delta R.T. 0.006 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:112 Resp: 214975
Ion Ratio Lower Upper
112 100
64 55.5 43.2 64.8
63 27.9 21.8 32.6

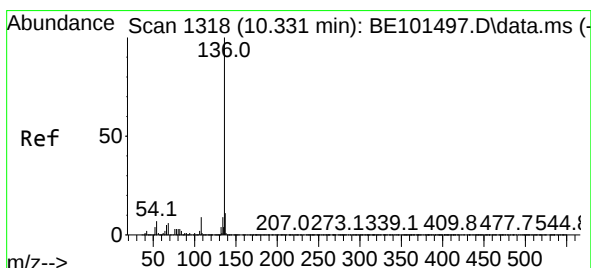
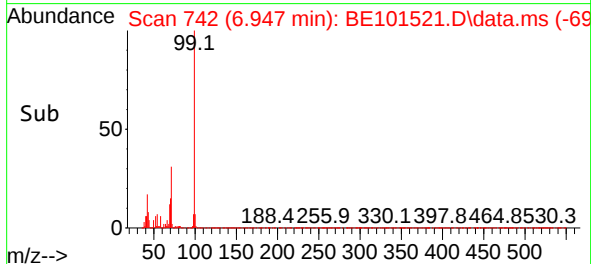
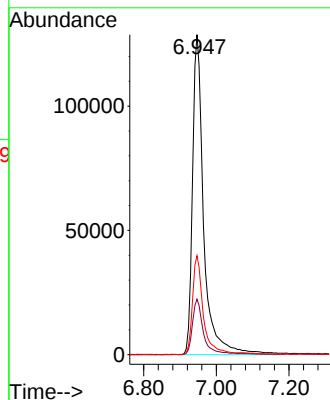
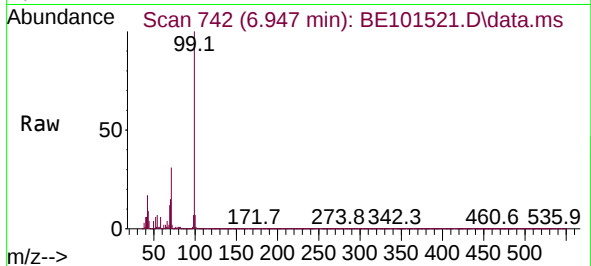




#7
Phenol-d6
Concen: 34.644 ng
RT: 6.947 min Scan# 742
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

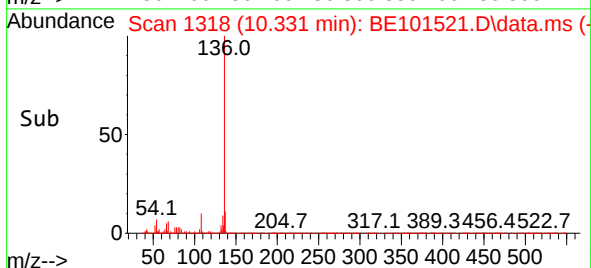
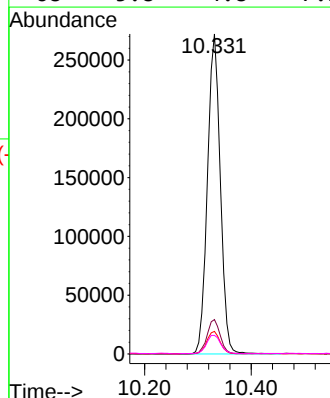
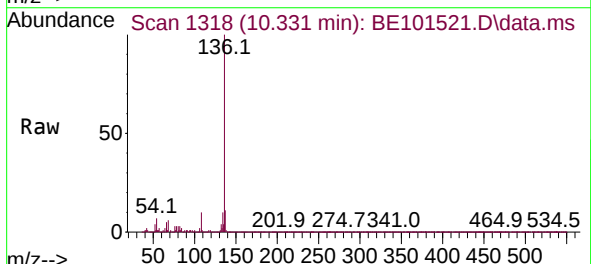
Instrument :
BNA_E
ClientSampleId :
OR-02-110424

Tgt Ion: 99 Resp: 276434
Ion Ratio Lower Upper
99 100
42 17.4 12.5 18.7
71 31.0 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.331 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion: 136 Resp: 455557
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.1 5.6 8.4
68 5.8 4.8 7.2

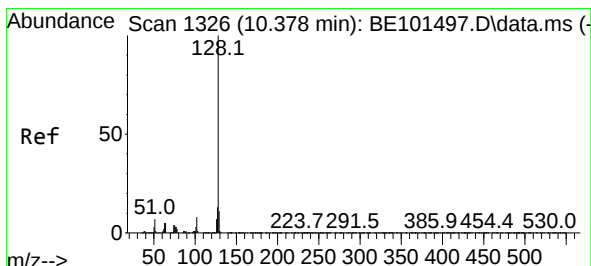
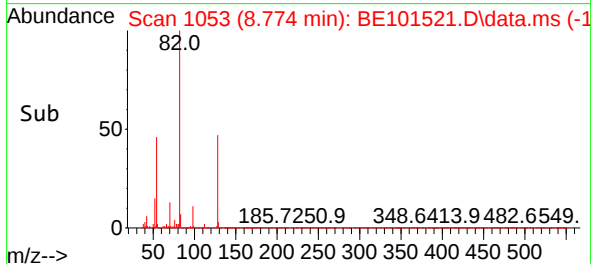
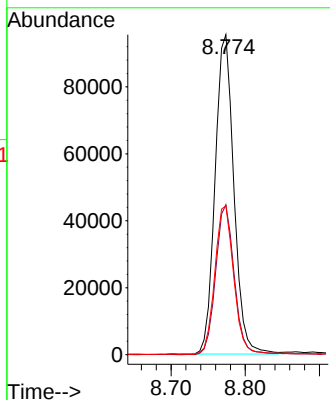
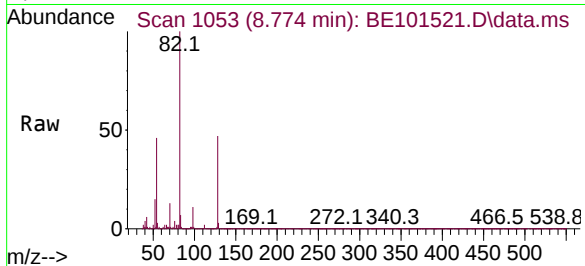




#23
Nitrobenzene-d5
Concen: 23.261 ng
RT: 8.774 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

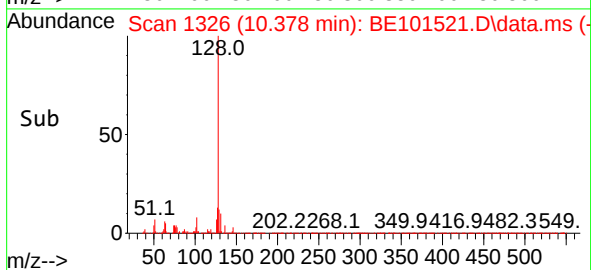
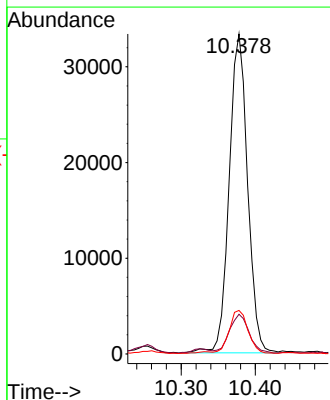
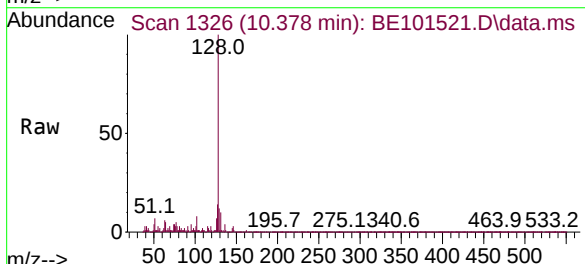
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BNA_E
ClientSampleId :
OR-02-110424

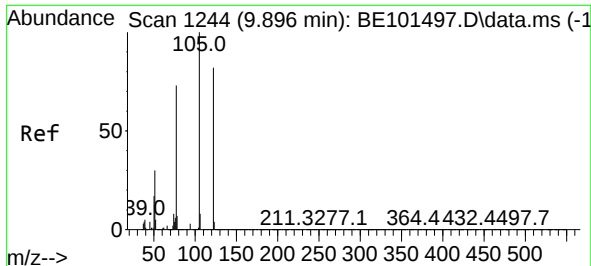
Tgt Ion: 82 Resp: 167764
Ion Ratio Lower Upper
82 100
128 46.8 38.6 58.0
54 46.5 36.3 54.5



#31
Naphthalene
Concen: 2.499 ng
RT: 10.378 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion: 128 Resp: 57465
Ion Ratio Lower Upper
128 100
129 12.4 8.9 13.3
127 13.6 10.3 15.5

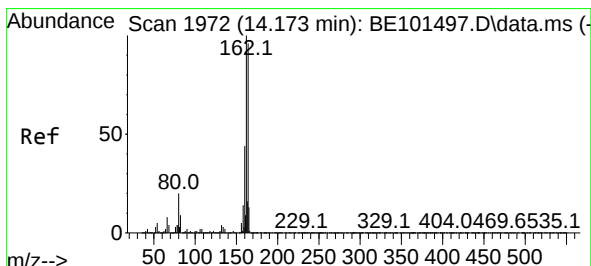
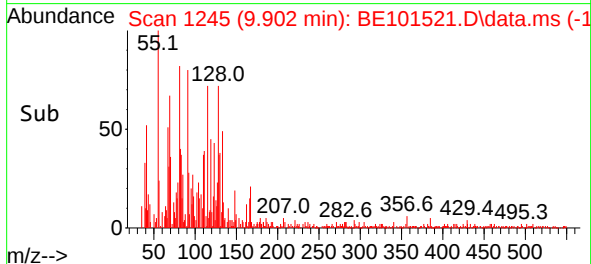
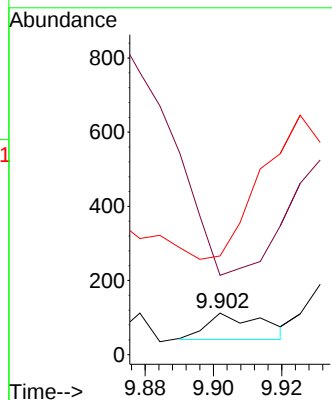
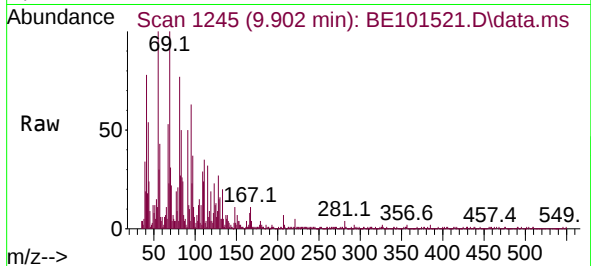




#32
Benzoic acid
Concen: 6.850 ng
RT: 9.902 min Scan# 11
Delta R.T. 0.006 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

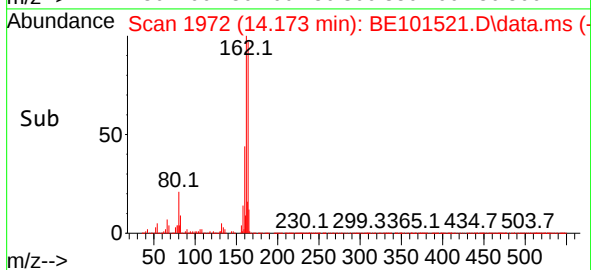
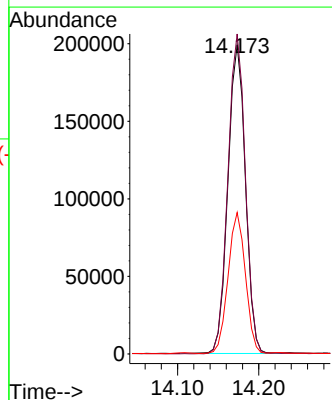
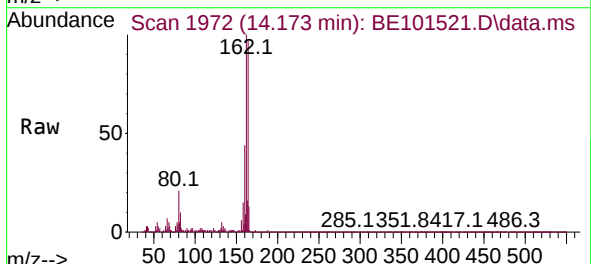
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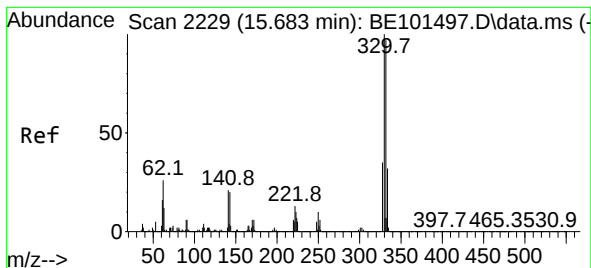
Tgt Ion:122 Resp: 81
Ion Ratio Lower Upper
122 100
105 191.1 100.6 140.6#
77 237.5 68.6 108.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.173 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:164 Resp: 297606
Ion Ratio Lower Upper
164 100
162 103.5 83.7 125.5
160 45.8 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 33.665 ng

RT: 15.683 min Scan# 21

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

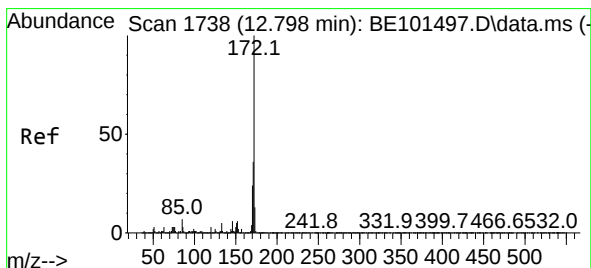
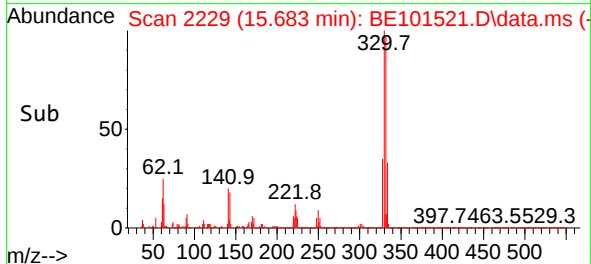
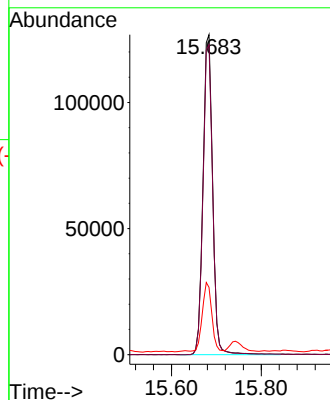
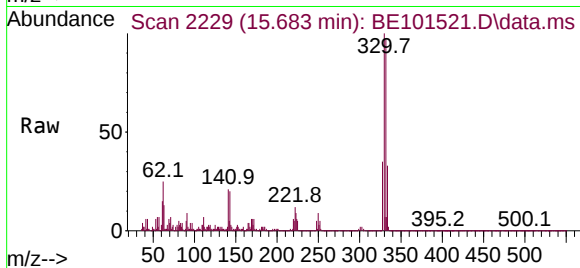
Tgt Ion:330 Resp: 188528

Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

141 20.9 17.0 25.4



#45

2-Fluorobiphenyl

Concen: 25.575 ng

RT: 12.793 min Scan# 1737

Delta R.T. -0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

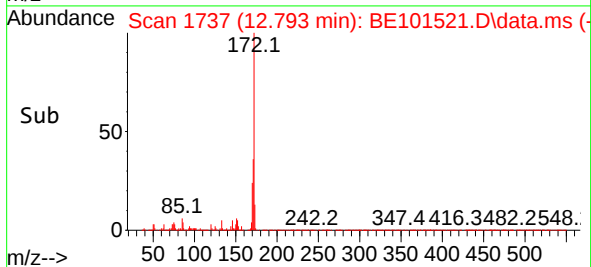
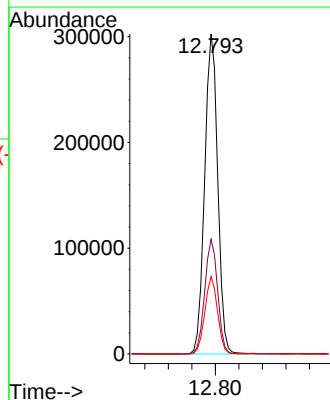
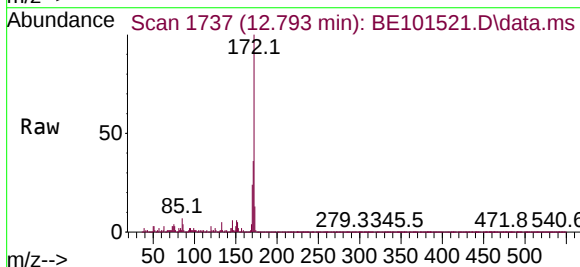
Tgt Ion:172 Resp: 466142

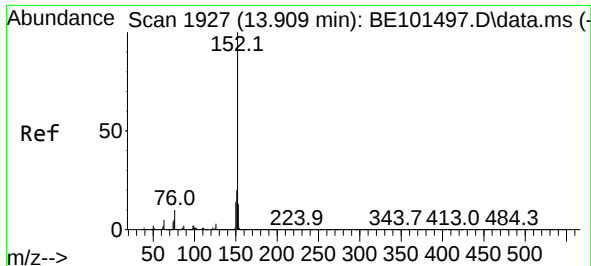
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.1 18.9 28.3

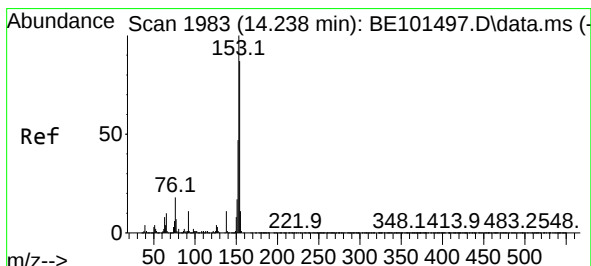
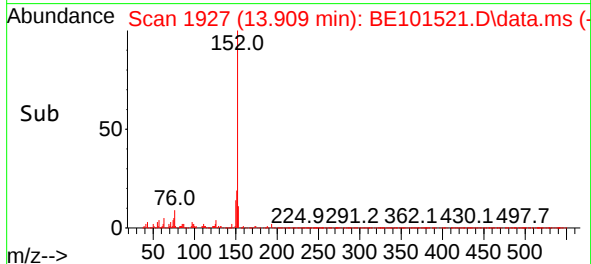
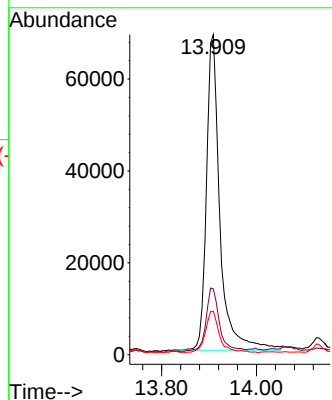
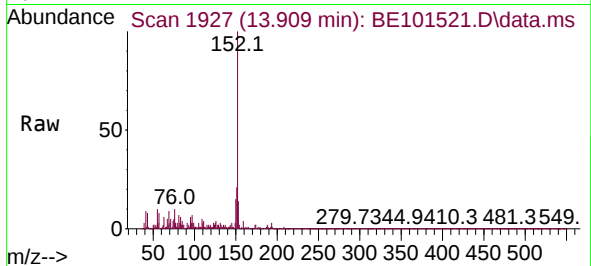




#49
Acenaphthylene
Concen: 5.599 ng
RT: 13.909 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

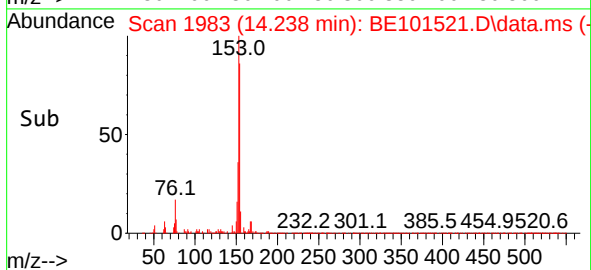
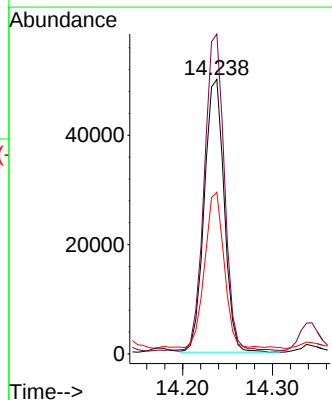
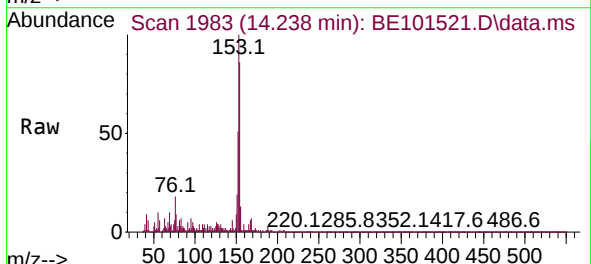
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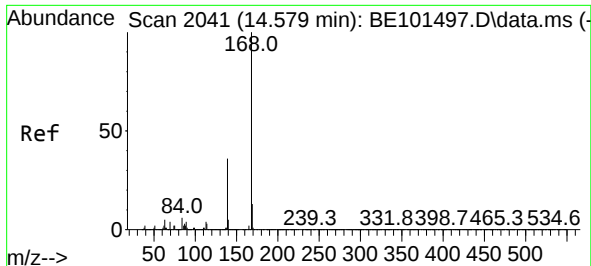
Tgt Ion:152 Resp: 135101
Ion Ratio Lower Upper
152 100
151 20.6 15.6 23.4
153 13.6 10.3 15.5



#52
Acenaphthene
Concen: 4.984 ng
RT: 14.238 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:154 Resp: 76747
Ion Ratio Lower Upper
154 100
153 116.6 92.3 138.5
152 58.9 43.6 65.4

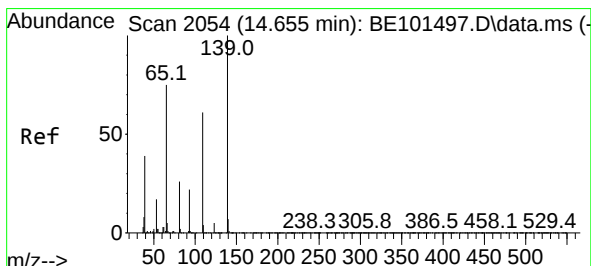
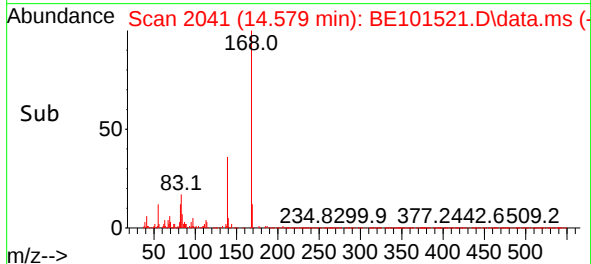
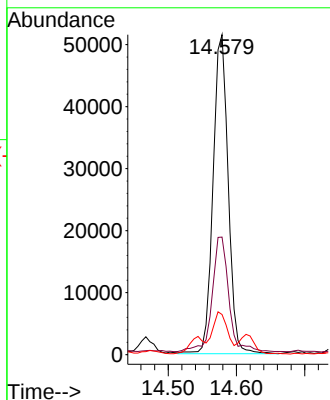
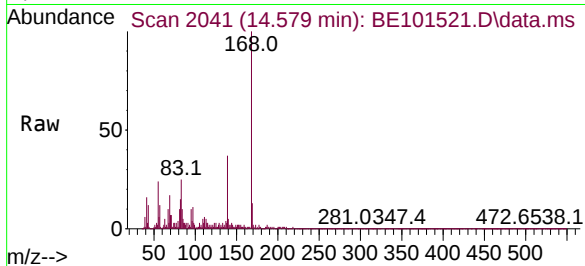




#55
Dibenzenofuran
Concen: 3.198 ng
RT: 14.579 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

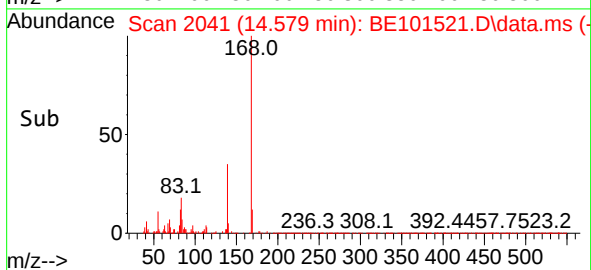
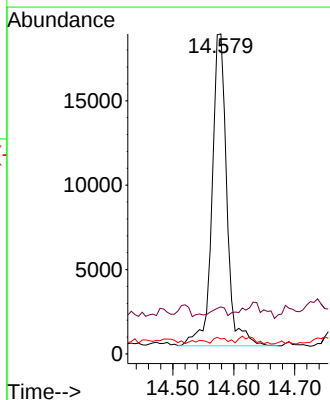
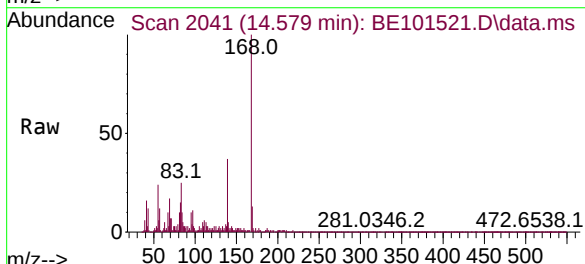
Instrument :
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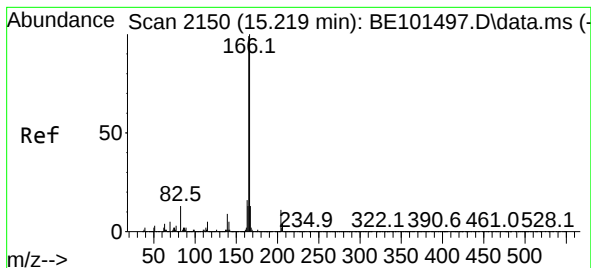
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Ion Ratio Lower Upper
168 100
139 36.7 29.1 43.7
169 12.6 10.6 16.0



#56
4-Nitrophenol
Concen: 7.983 ng
RT: 14.579 min Scan# 2041
Delta R.T. -0.076 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:139 Resp: 31304
Ion Ratio Lower Upper
139 100
109 14.7 40.7 80.7#
65 4.7 58.0 98.0#





#58

Fluorene

Concen: 6.761 ng

RT: 15.213 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

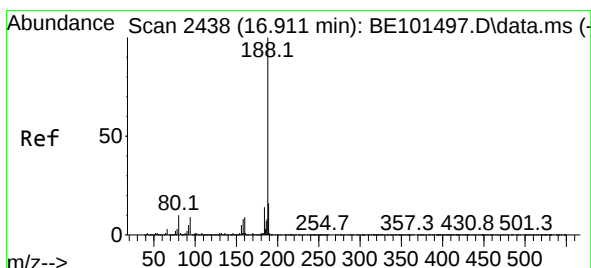
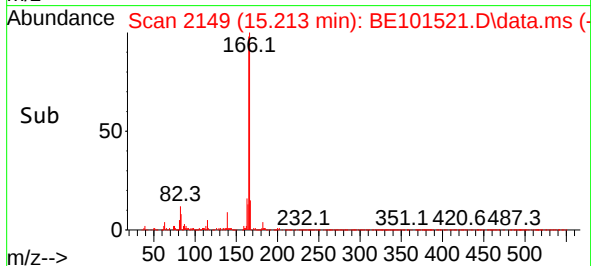
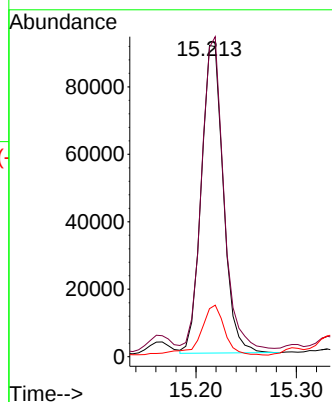
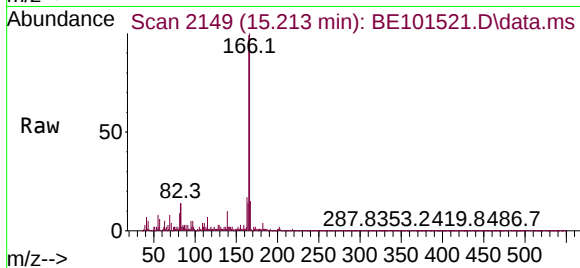
Tgt Ion:166 Resp: 139899

Ion Ratio Lower Upper

166 100

165 99.4 79.0 118.4

167 15.4 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.911 min Scan# 2438

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

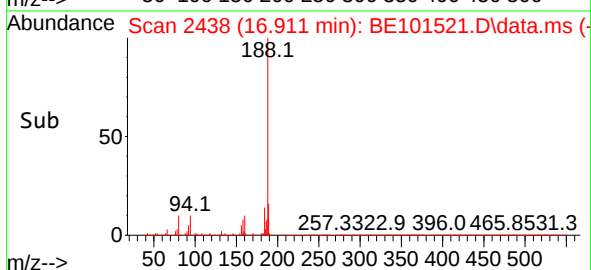
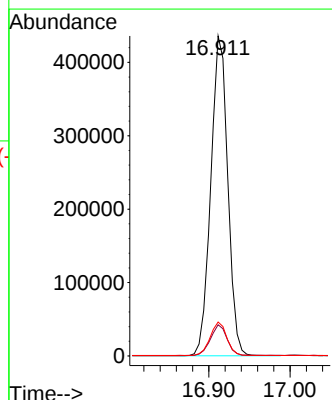
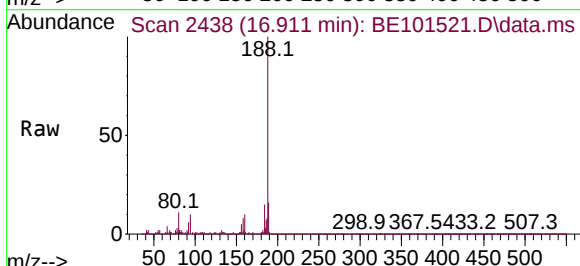
Tgt Ion:188 Resp: 632358

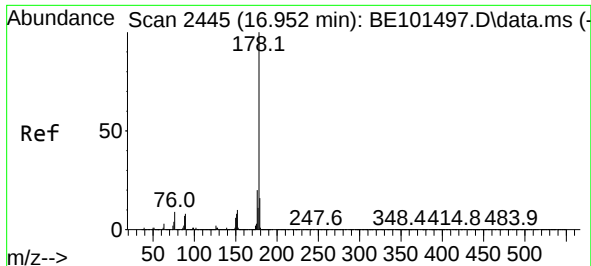
Ion Ratio Lower Upper

188 100

94 9.7 7.4 11.2

80 10.6 8.0 12.0

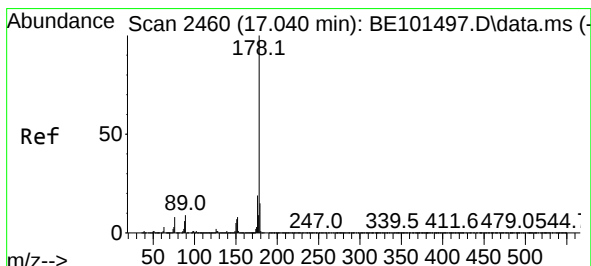
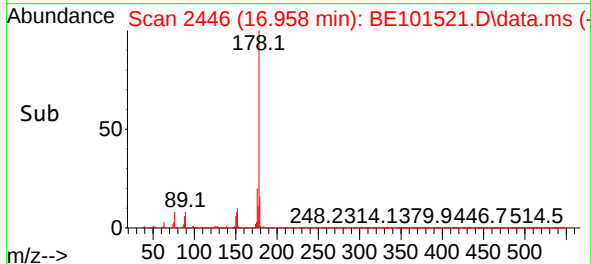
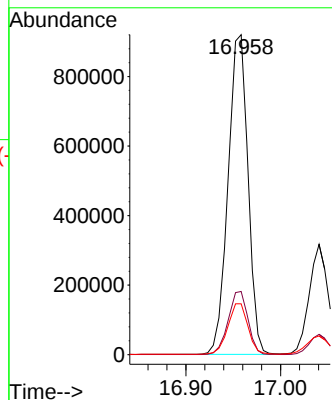
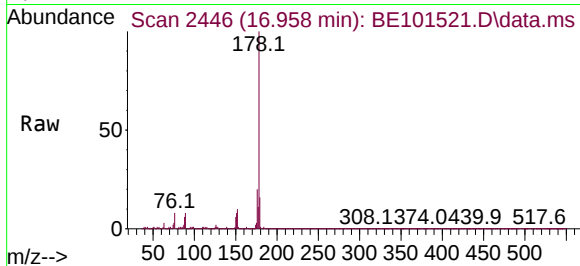




#71
Phenanthrene
Concen: 43.669 ng
RT: 16.958 min Scan# 2445
Delta R.T. 0.006 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

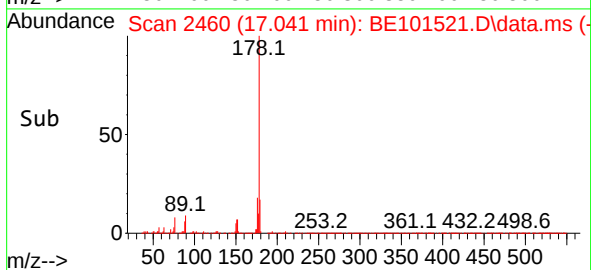
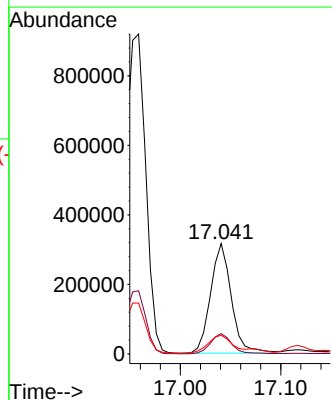
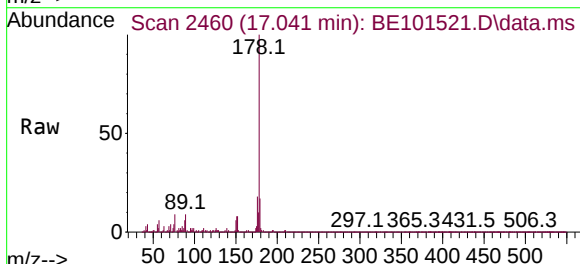
Instrument :
BNA_E
ClientSampleId :
OR-02-110424

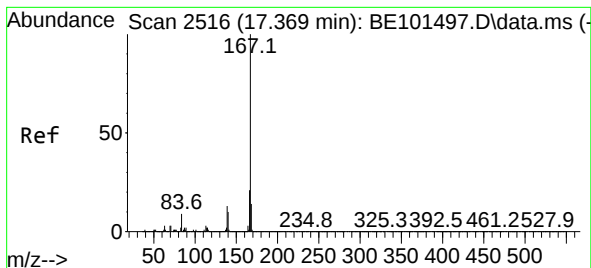
Tgt Ion:178 Resp: 1343093
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.9 12.6 19.0



#72
Anthracene
Concen: 14.932 ng
RT: 17.041 min Scan# 2460
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:178 Resp: 453517
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 17.0 12.4 18.6





#73

Carbazole

Concen: 3.470 ng

RT: 17.370 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

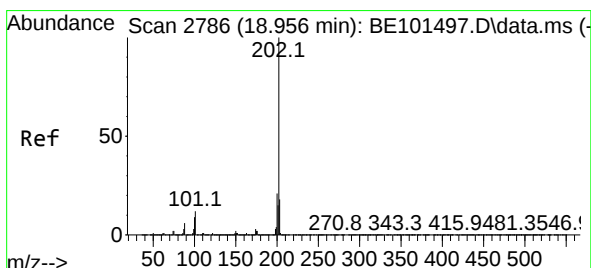
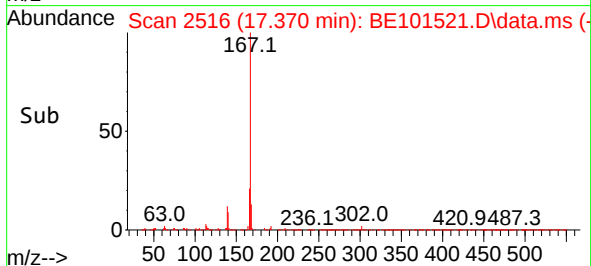
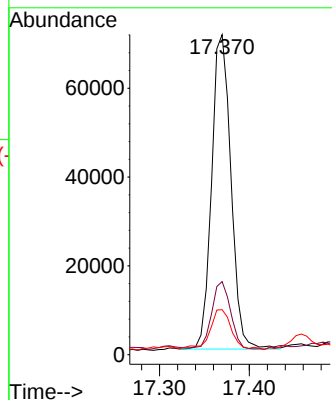
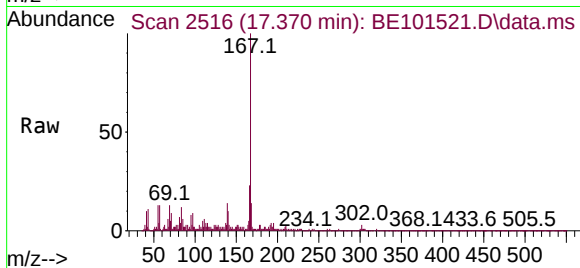
Tgt Ion:167 Resp: 105694

Ion Ratio Lower Upper

167 100

166 22.8 17.1 25.7

139 14.1 10.2 15.2



#75

Fluoranthene

Concen: 57.102 ng

RT: 18.968 min Scan# 2788

Delta R.T. 0.012 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

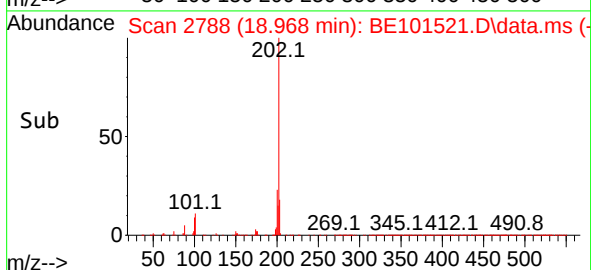
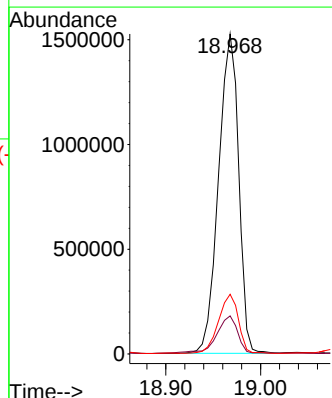
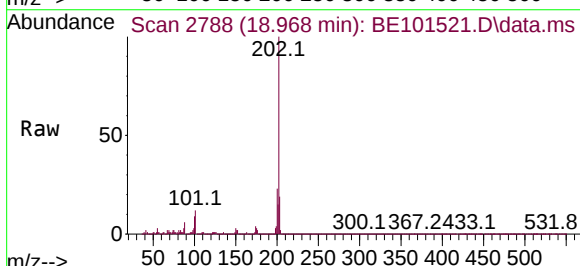
Tgt Ion:202 Resp: 2251758

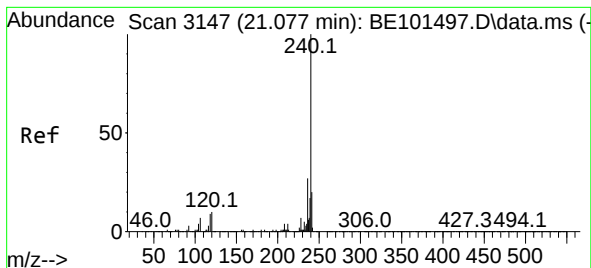
Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.7

203 18.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.077 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

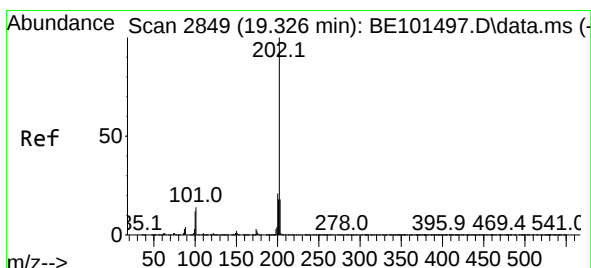
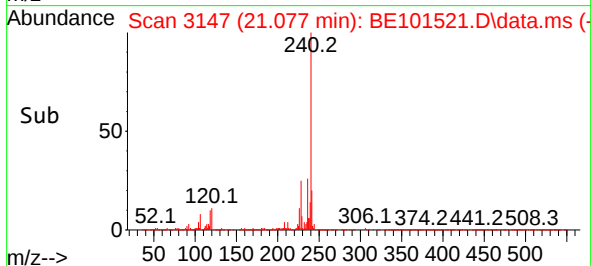
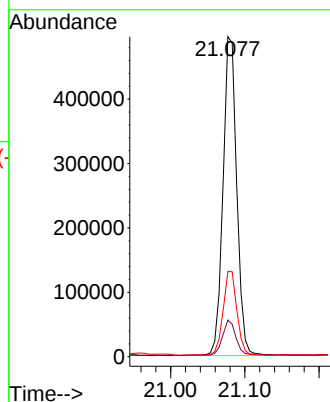
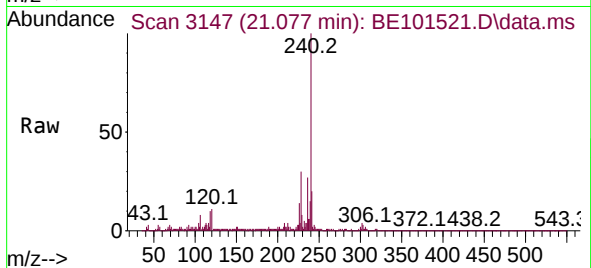
Tgt Ion:240 Resp: 637468

Ion Ratio Lower Upper

240 100

120 11.4 8.2 12.4

236 26.6 21.4 32.2



#78

Pyrene

Concen: 61.397 ng

RT: 19.338 min Scan# 2851

Delta R.T. 0.012 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

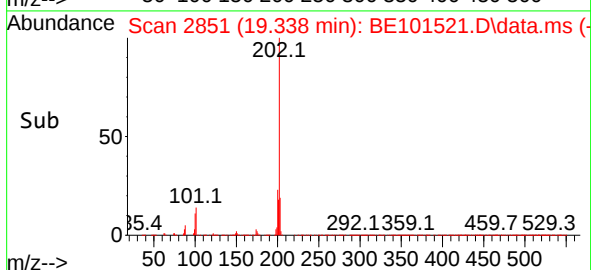
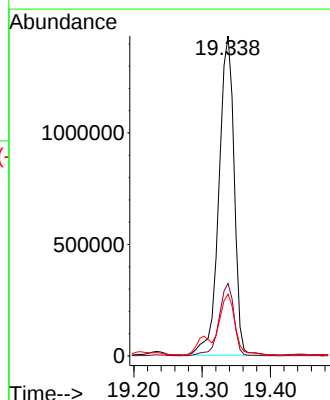
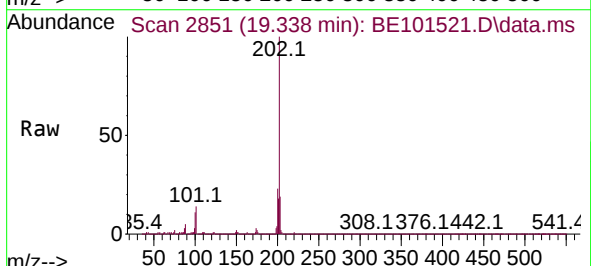
Tgt Ion:202 Resp: 2226950

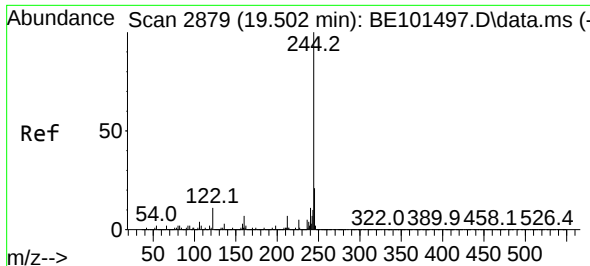
Ion Ratio Lower Upper

202 100

200 22.6 17.2 25.8

203 19.3 14.2 21.4

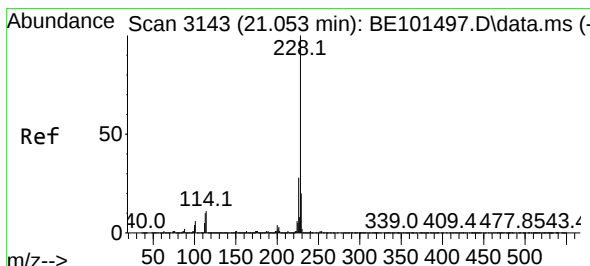
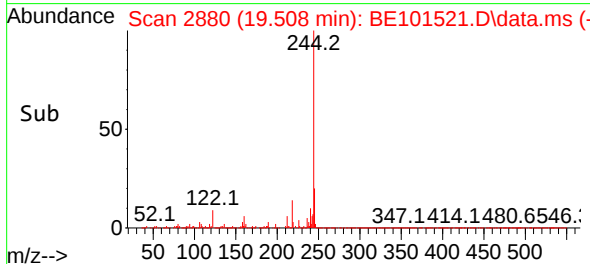
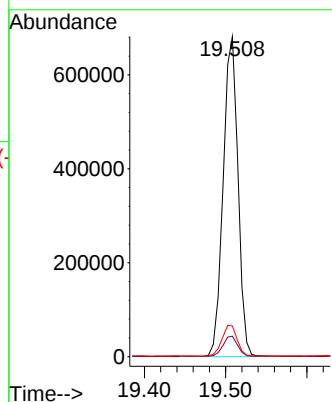
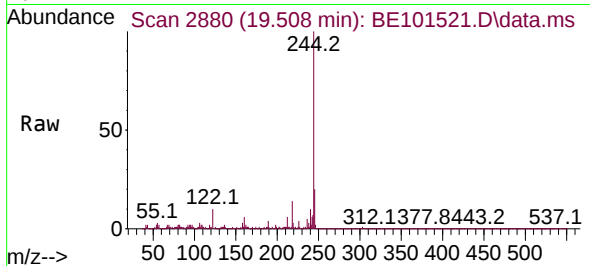




#79
 Terphenyl-d14
 Concen: 29.993 ng
 RT: 19.508 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BE101521.D
 Acq: 7 Nov 2024 6:37

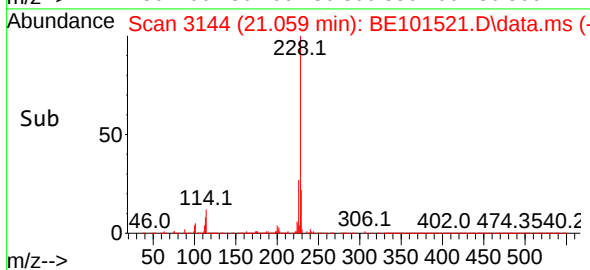
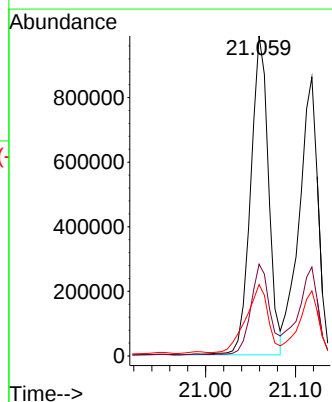
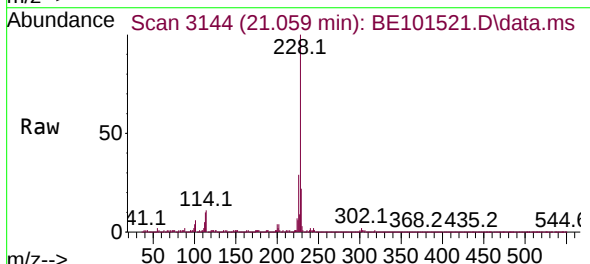
Instrument :
 BNA_E
 ClientSampleId :
 OR-02-110424

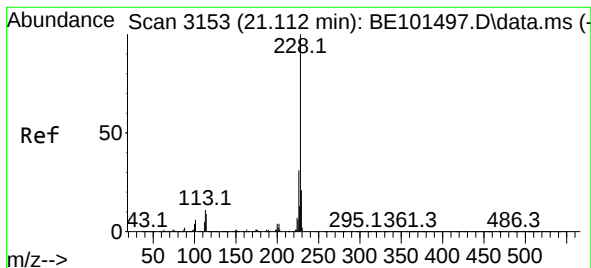
Tgt Ion:244 Resp: 863751
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.8
 122 9.6 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 36.135 ng
 RT: 21.059 min Scan# 3144
 Delta R.T. 0.006 min
 Lab File: BE101521.D
 Acq: 7 Nov 2024 6:37

Tgt Ion:228 Resp: 1368071
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.4 33.6
 229 22.3 16.1 24.1





#83

Chrysene

Concen: 34.157 ng

RT: 21.118 min Scan# 31

Delta R.T. 0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

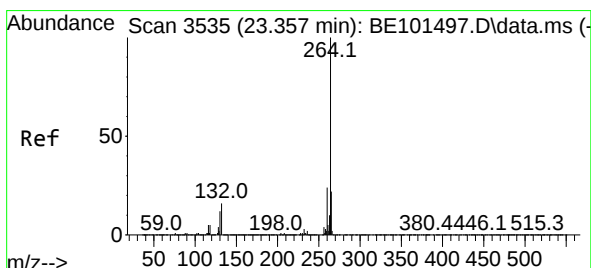
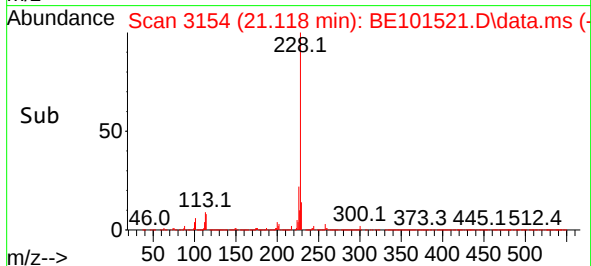
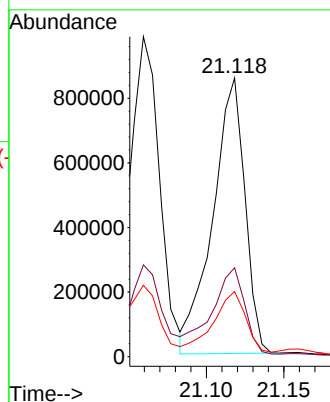
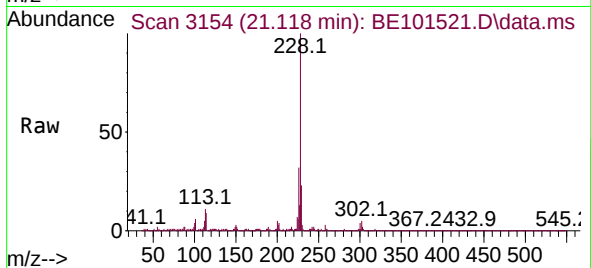
Tgt Ion:228 Resp: 1229154

Ion Ratio Lower Upper

228 100

226 31.9 25.1 37.7

229 23.3 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.380 min Scan# 3539

Delta R.T. 0.024 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

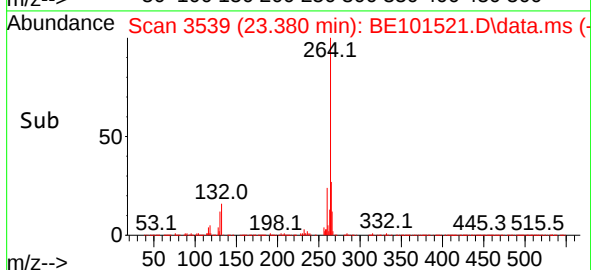
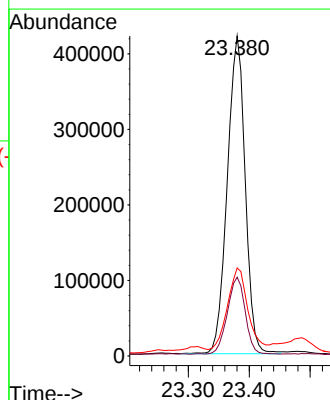
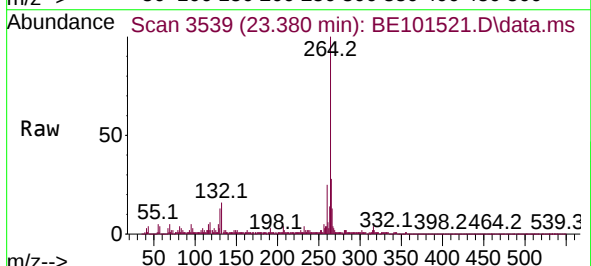
Tgt Ion:264 Resp: 857820

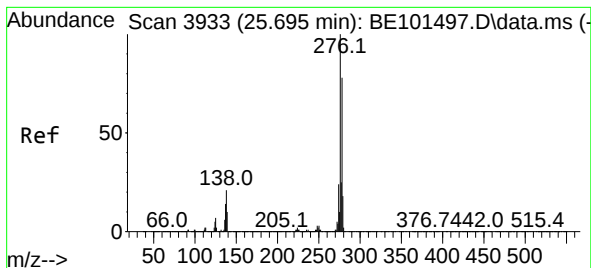
Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 27.5 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.715 ng

RT: 25.725 min Scan# 3933

Delta R.T. 0.030 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

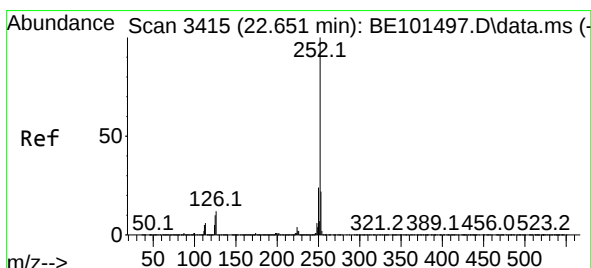
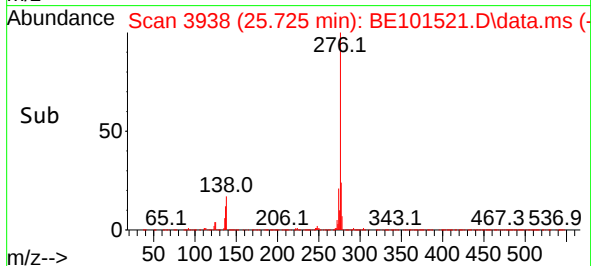
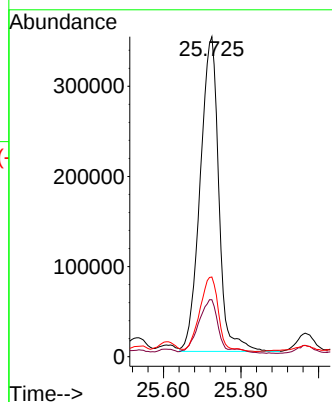
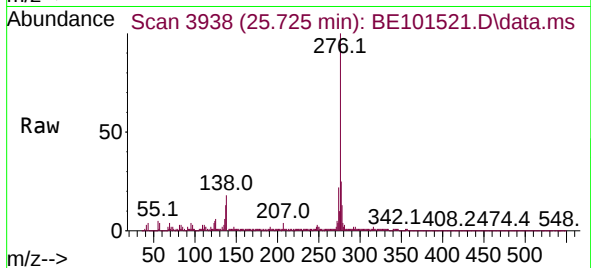
Tgt Ion:276 Resp: 1162218

Ion Ratio Lower Upper

276 100

138 16.5 17.0 25.6#

277 23.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 33.503 ng

RT: 22.669 min Scan# 3418

Delta R.T. 0.018 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

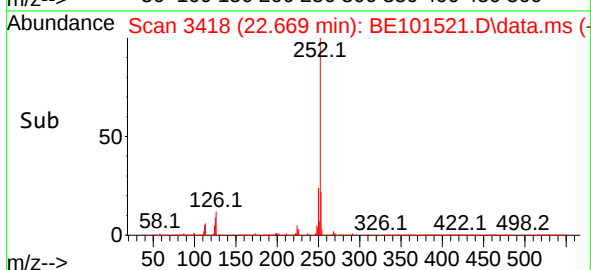
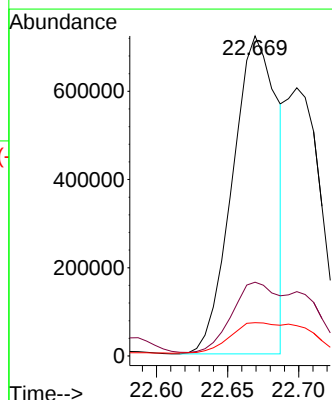
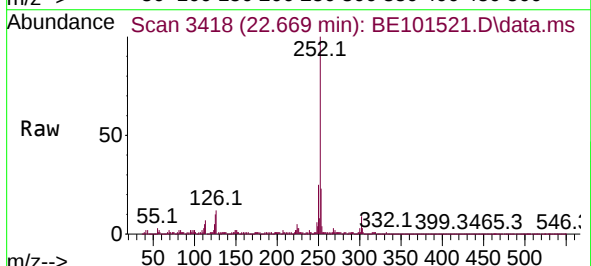
Tgt Ion:252 Resp: 1576779

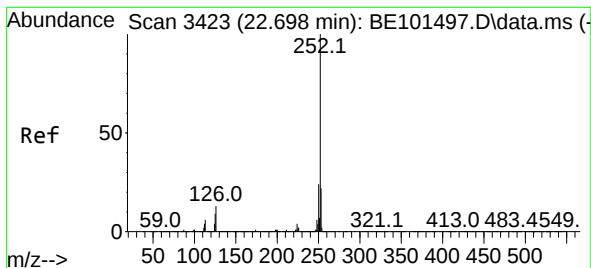
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 10.4 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 36.907 ng

RT: 22.669 min Scan# 34

Delta R.T. -0.029 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

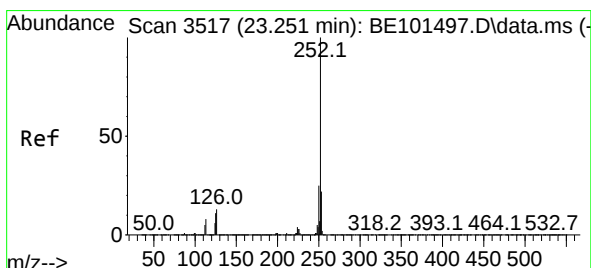
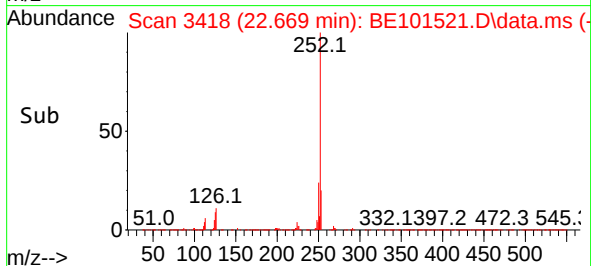
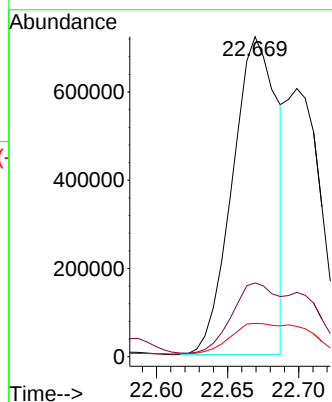
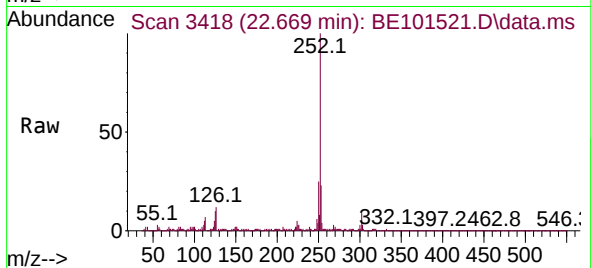
Tgt Ion:252 Resp: 1576779

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 10.4 7.7 11.5



#90

Benzo(a)pyrene

Concen: 37.617 ng

RT: 23.274 min Scan# 3521

Delta R.T. 0.024 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

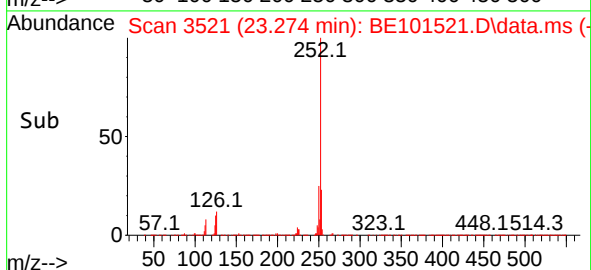
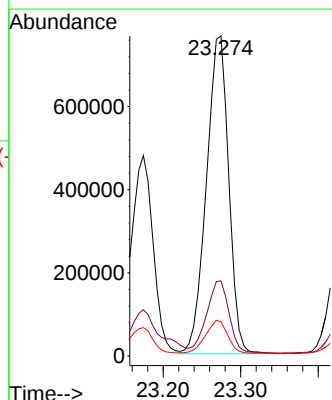
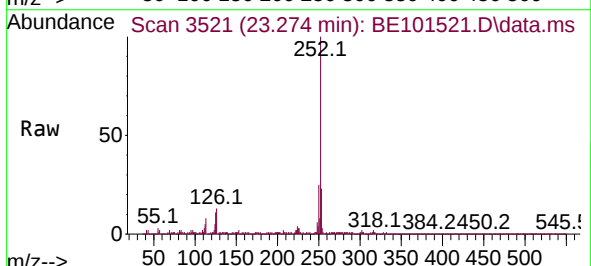
Tgt Ion:252 Resp: 1528422

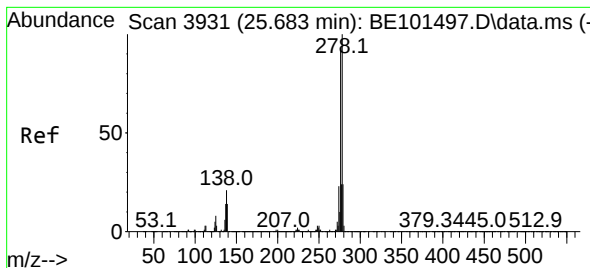
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 10.7 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 5.469 ng

RT: 25.695 min Scan# 3931

Delta R.T. 0.012 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

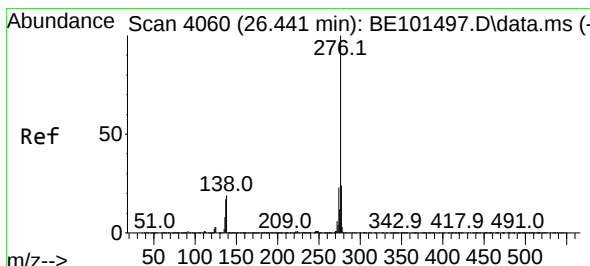
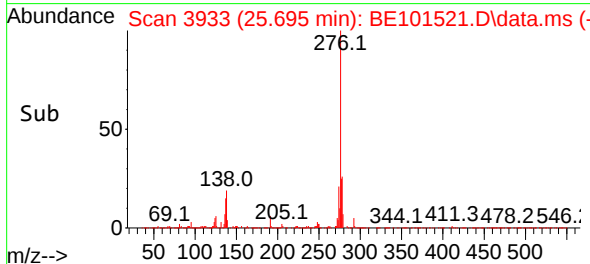
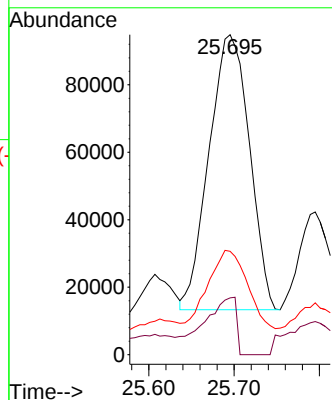
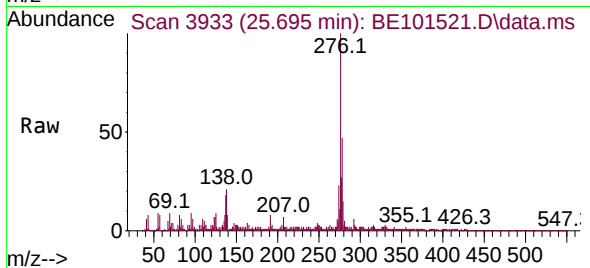
Tgt Ion:278 Resp: 268506

Ion Ratio Lower Upper

278 100

139 17.7 11.2 16.8#

279 32.3 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 22.397 ng

RT: 26.482 min Scan# 4067

Delta R.T. 0.041 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Tgt Ion:276 Resp: 1117102

Ion Ratio Lower Upper

276 100

277 26.5 19.5 29.3

138 19.4 15.3 22.9

