

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
 Data File : BE101490.D
 Acq On : 5 Nov 2024 21:38
 Operator : RC/JU
 Sample : P4685-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 06 00:04:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

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

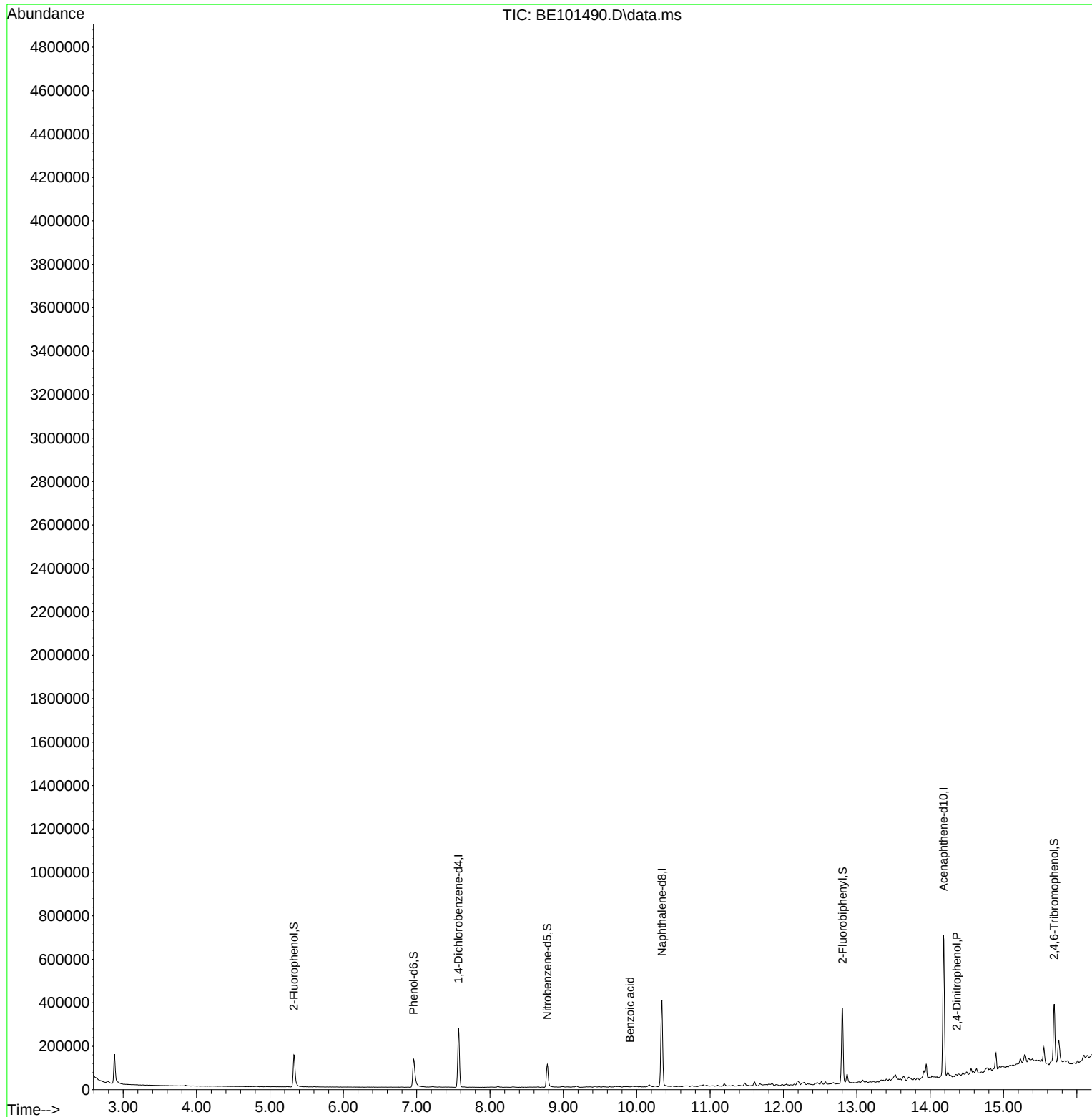
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	80012	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	356354	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	233022	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	472252	20.000	ng	0.00
76) Chrysene-d12	21.084	240	424778	20.000	ng	0.00
86) Perylene-d12	23.381	264	566620	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.326	112	90370	19.796	ng	0.00
7) Phenol-d6	6.959	99	114687	18.118	ng	0.01
23) Nitrobenzene-d5	8.780	82	66648	11.747	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	72576	17.770	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	196301	14.267	ng	0.00
79) Terphenyl-d14	19.509	244	346556	18.777	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.909	122	28	8.222	ng	# 29
54) 2,4-Dinitrophenol	14.362	184	26	5.626	ng	# 1
71) Phenanthrene	16.959	178	110394	4.882	ng	98
72) Anthracene	17.047	178	47019	2.130	ng	98
75) Fluoranthene	18.969	202	410357	14.942	ng	96
78) Pyrene	19.339	202	425914	18.233	ng	96
81) Benzo(a)anthracene	21.060	228	284492	11.916	ng	97
83) Chrysene	21.119	228	264209	11.445	ng	96
88) Benzo(b)fluoranthene	22.664	252	345751	11.709	ng	# 78
89) Benzo(k)fluoranthene	22.664	252	345751	12.533	ng	# 79
90) Benzo(a)pyrene	23.269	252	339223	13.136	ng	# 82
91) Dibenzo(a,h)anthracene	25.702	278	71789	2.291	ng	# 37
92) Benzo(g,h,i)perylene	26.472	276	266939	8.268	ng	93

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

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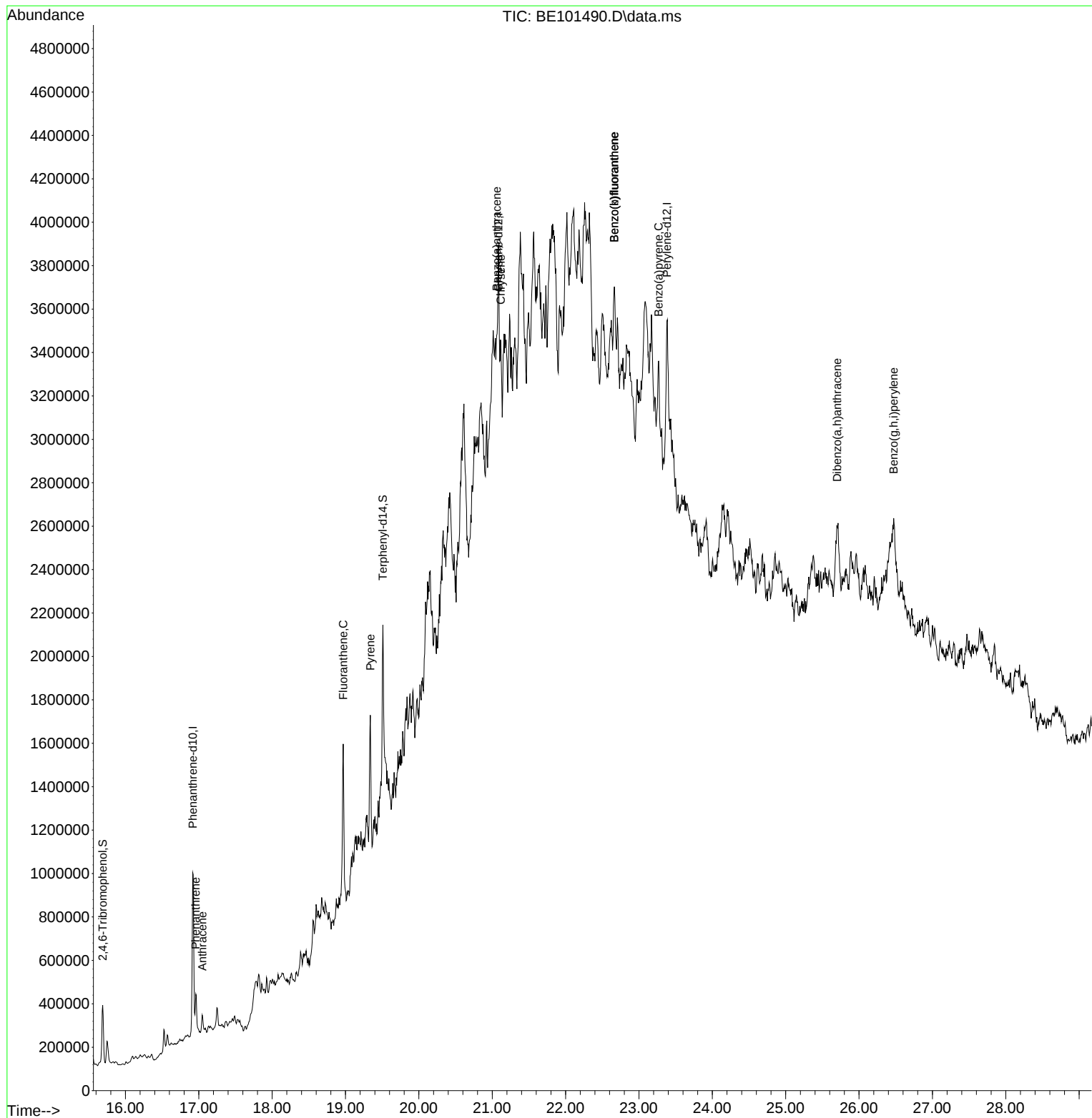
Quant Time: Nov 06 00:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

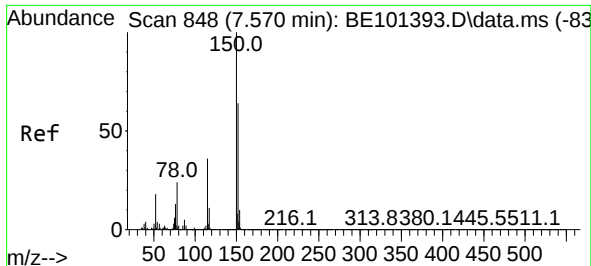


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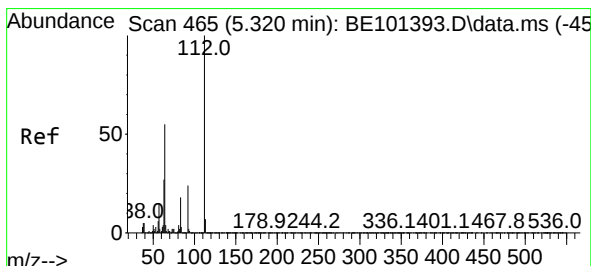
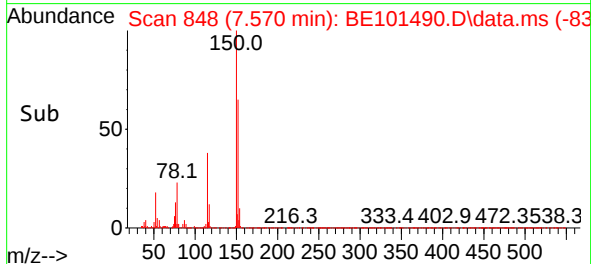
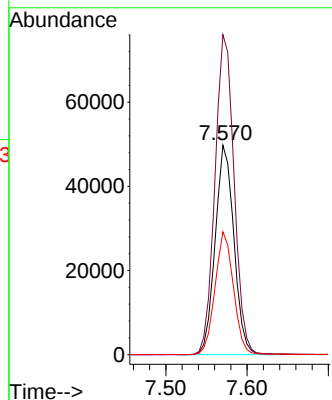
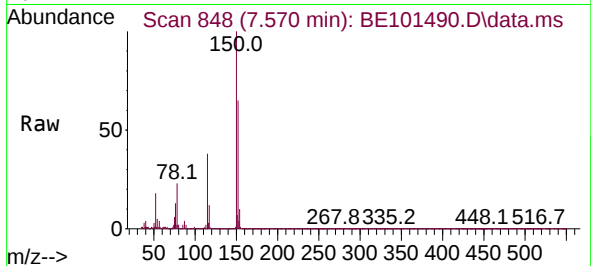




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 848
Delta R.T. 0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

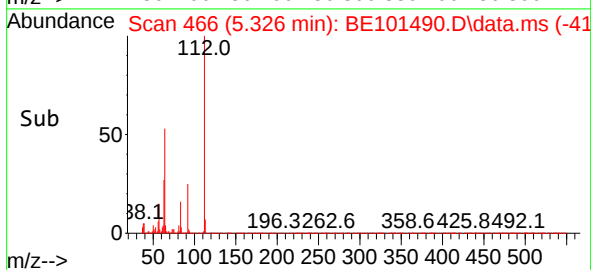
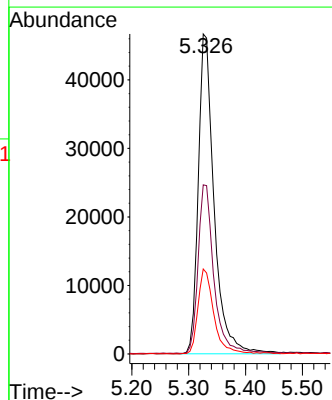
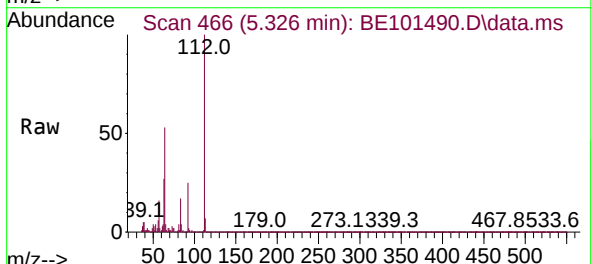
Instrument :
BNA_E
ClientSampleId :

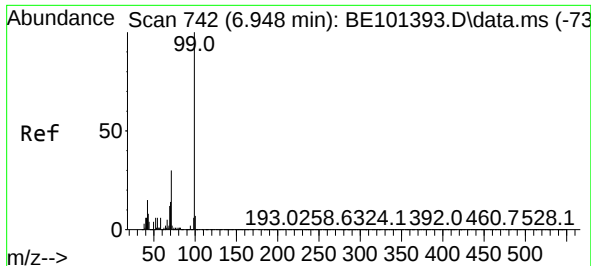
Tgt Ion:152 Resp: 80012
Ion Ratio Lower Upper
152 100
150 152.8 124.2 186.4
115 58.7 45.3 67.9



#5
2-Fluorophenol
Concen: 19.796 ng
RT: 5.326 min Scan# 466
Delta R.T. 0.006 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:112 Resp: 90370
Ion Ratio Lower Upper
112 100
64 52.9 43.7 65.5
63 26.5 21.4 32.2





#7

Phenol-d6

Concen: 18.118 ng

RT: 6.959 min Scan# 74

Delta R.T. 0.011 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

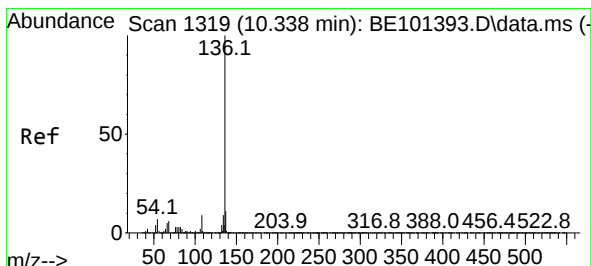
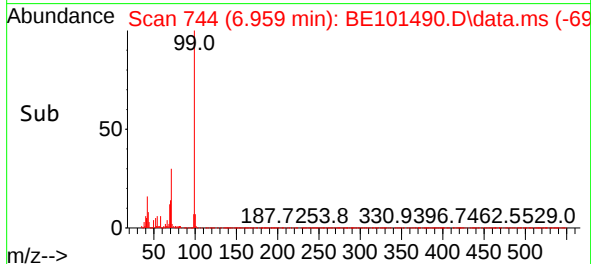
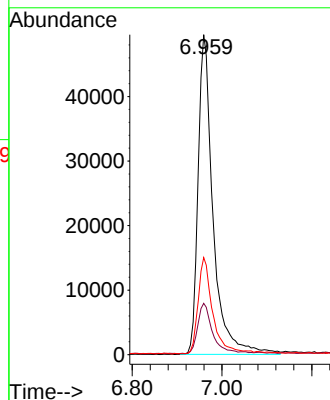
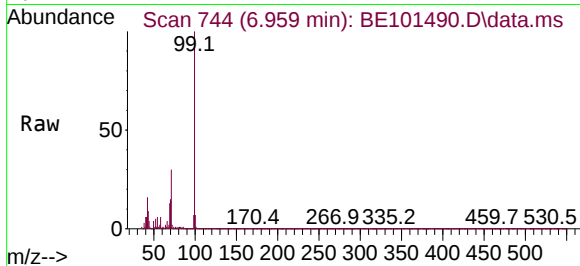
Tgt Ion: 99 Resp: 114687

Ion Ratio Lower Upper

99 100

42 16.1 12.3 18.5

71 30.3 23.8 35.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.343 min Scan# 1320

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Tgt Ion:136 Resp: 356354

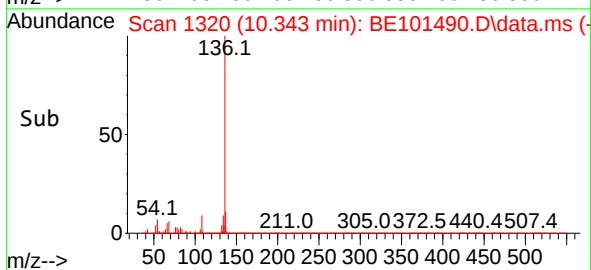
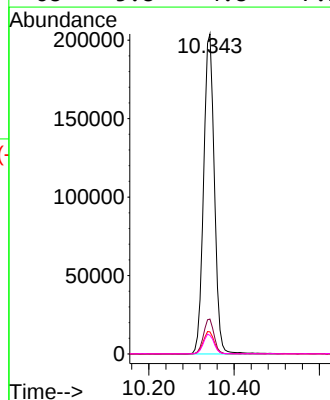
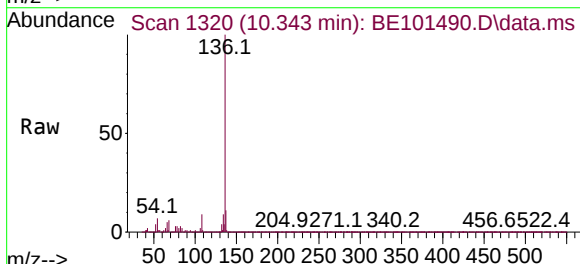
Ion Ratio Lower Upper

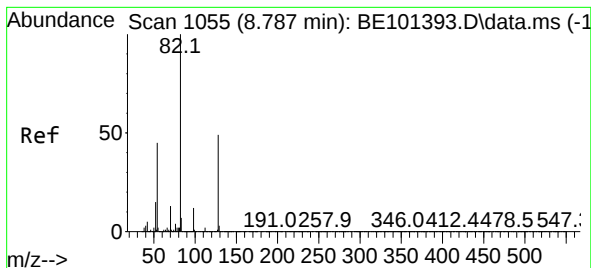
136 100

137 10.9 9.0 13.6

54 6.9 5.9 8.9

68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 11.747 ng

RT: 8.780 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

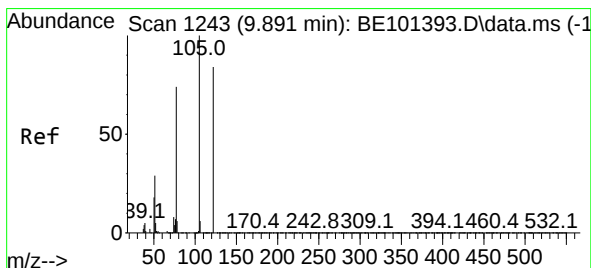
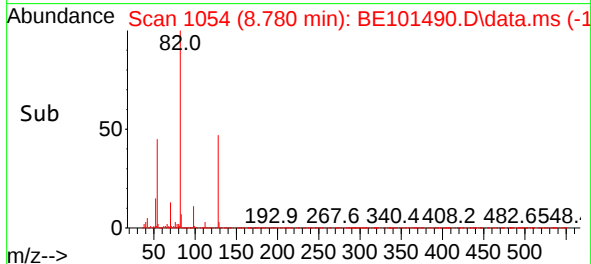
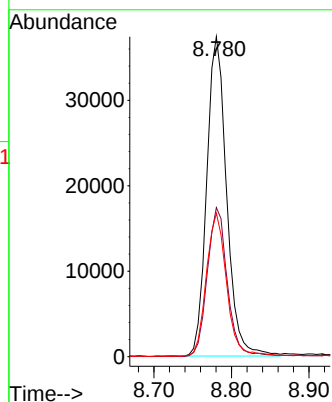
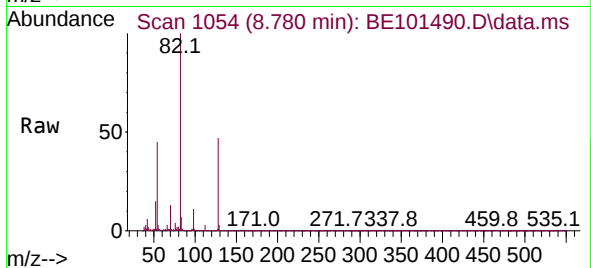
Tgt Ion: 82 Resp: 66648

Ion Ratio Lower Upper

82 100

128 46.6 38.9 58.3

54 44.9 36.2 54.4



#32

Benzoic acid

Concen: 8.222 ng

RT: 9.909 min Scan# 1246

Delta R.T. 0.018 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

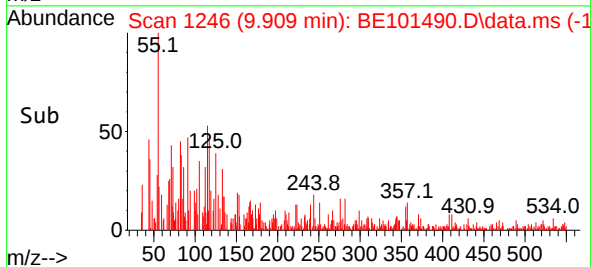
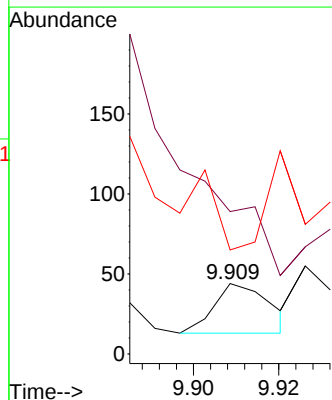
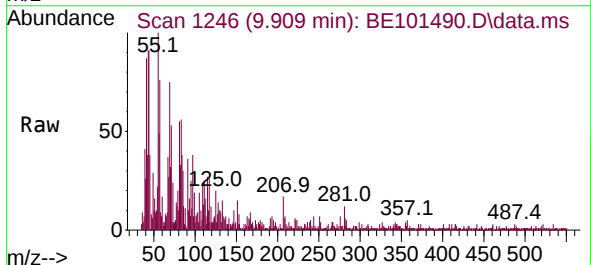
Tgt Ion: 122 Resp: 28

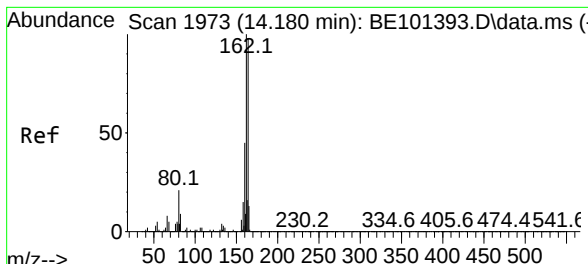
Ion Ratio Lower Upper

122 100

105 202.3 97.9 137.9#

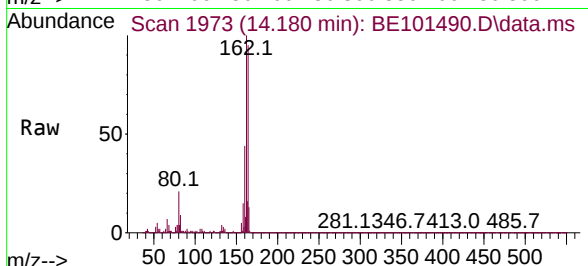
77 147.7 68.1 108.1#



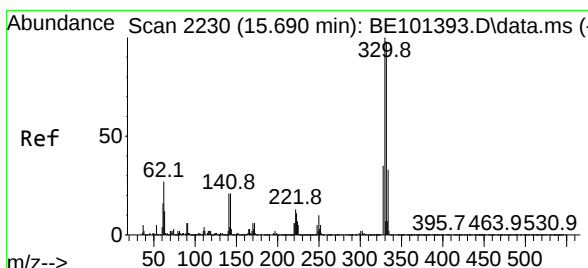
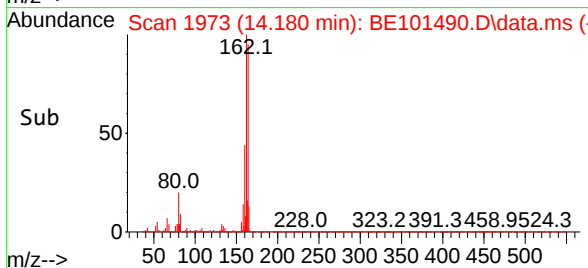
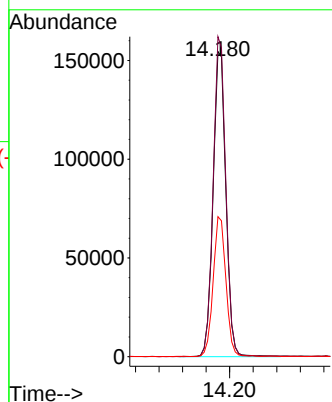


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :
BNA_E
ClientSampleId :

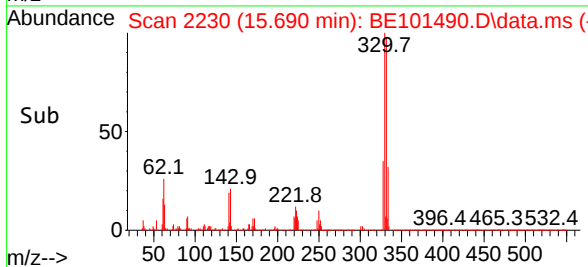
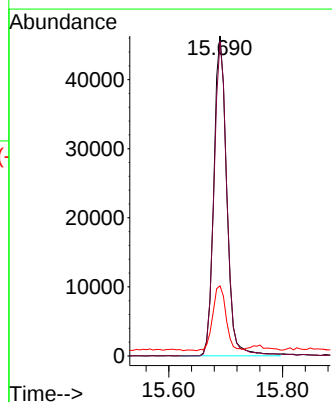
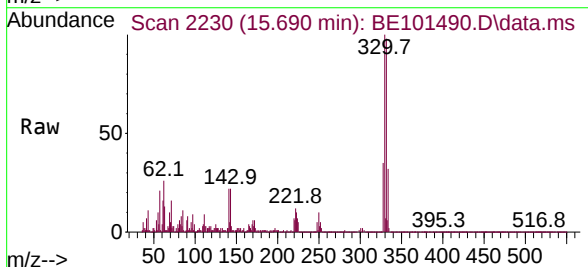


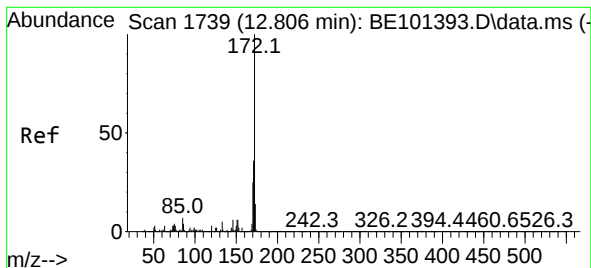
Tgt Ion:164 Resp: 233022
Ion Ratio Lower Upper
164 100
162 104.9 81.3 121.9
160 45.9 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 17.770 ng
RT: 15.690 min Scan# 2230
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:330 Resp: 72576
Ion Ratio Lower Upper
330 100
332 98.0 78.2 117.2
141 20.8 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 14.267 ng

RT: 12.805 min Scan# 1

Delta R.T. -0.000 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

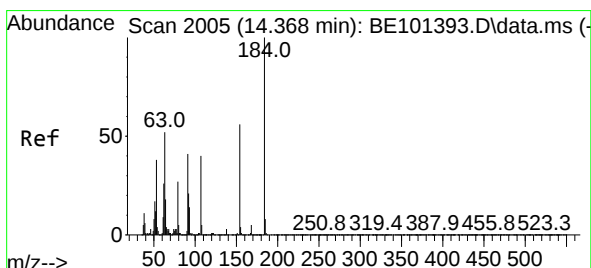
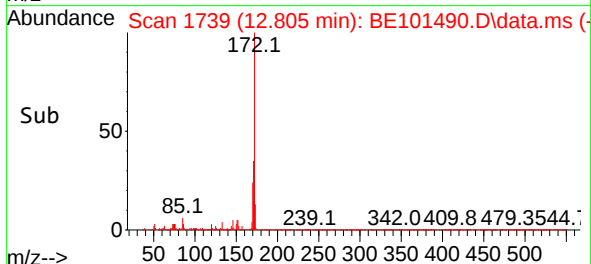
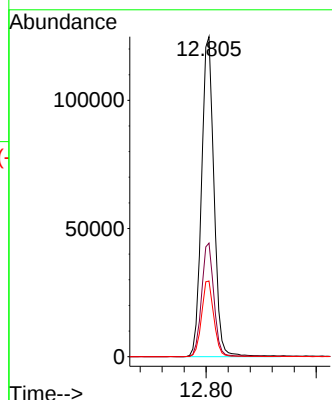
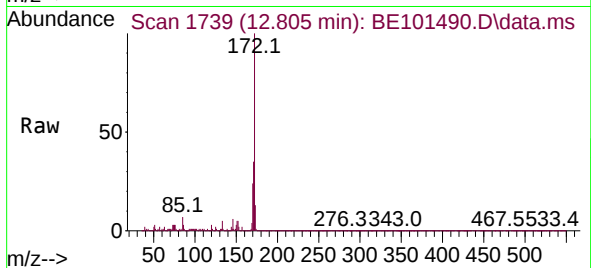
Tgt Ion:172 Resp: 196301

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.7 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.626 ng

RT: 14.362 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

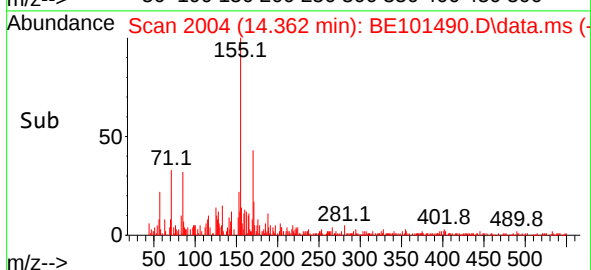
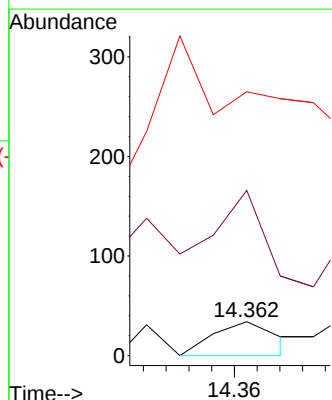
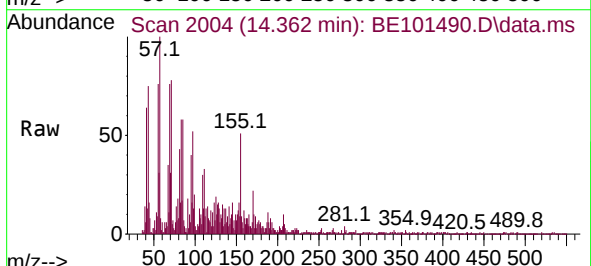
Tgt Ion:184 Resp: 26

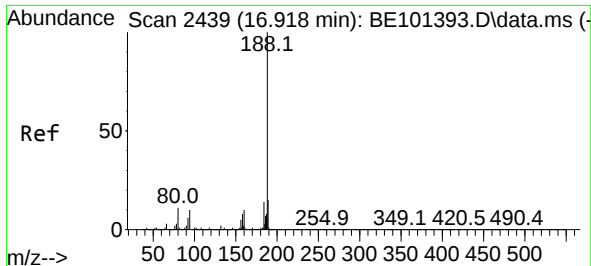
Ion Ratio Lower Upper

184 100

63 488.2 41.8 62.6#

154 779.4 44.9 67.3#

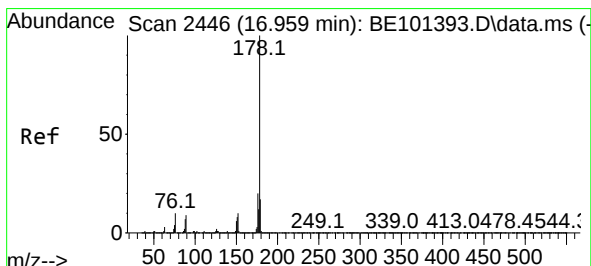
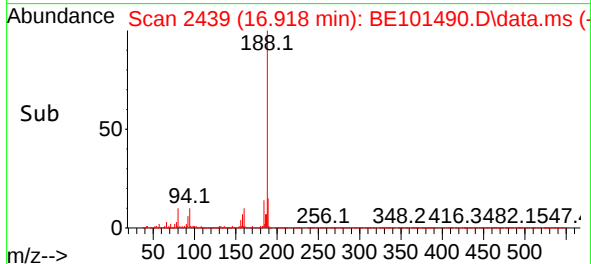
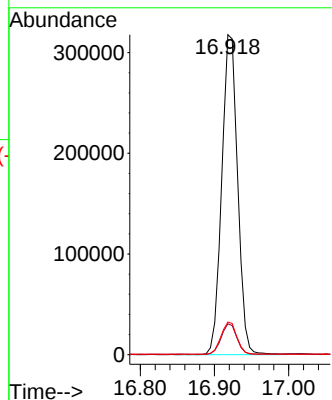
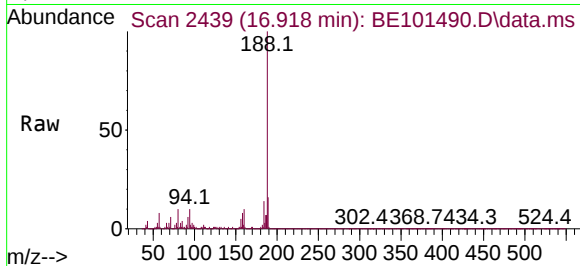




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

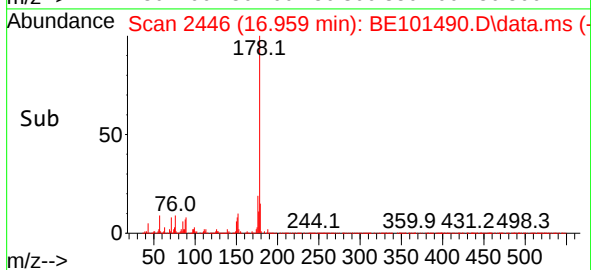
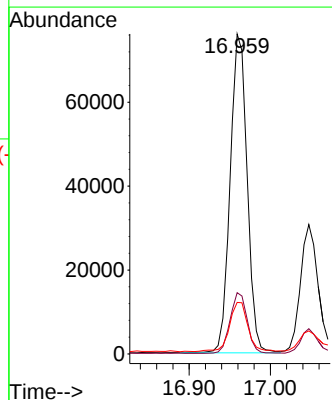
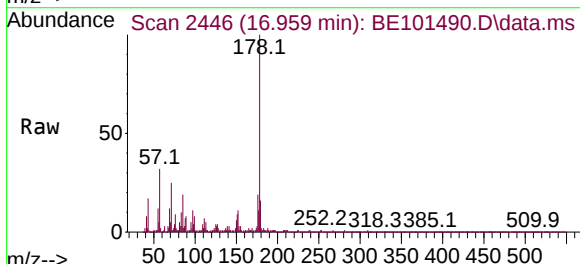
Instrument :
BNA_E
ClientSampleId :

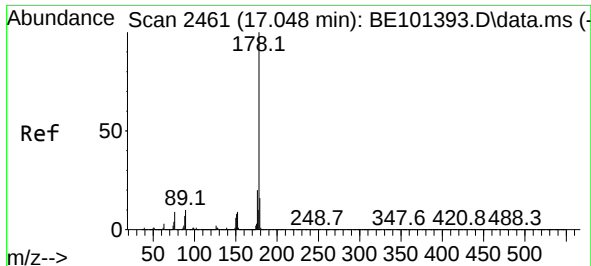
Tgt Ion:188 Resp: 472252
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.8
80 10.2 8.6 12.8



#71
Phenanthrene
Concen: 4.882 ng
RT: 16.959 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:178 Resp: 110394
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 16.1 13.2 19.8

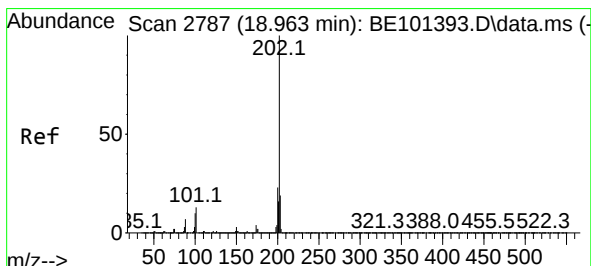
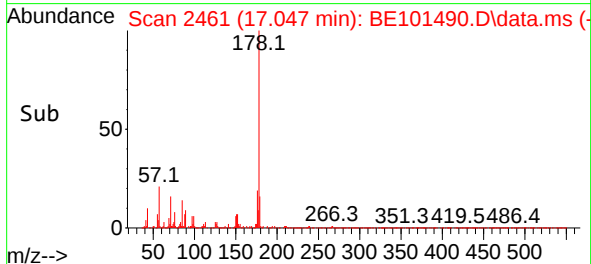
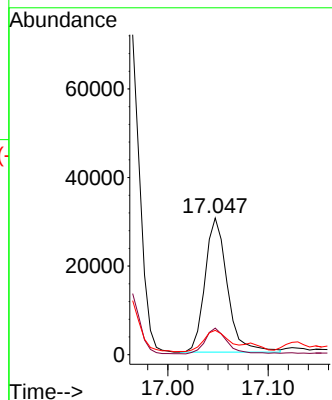
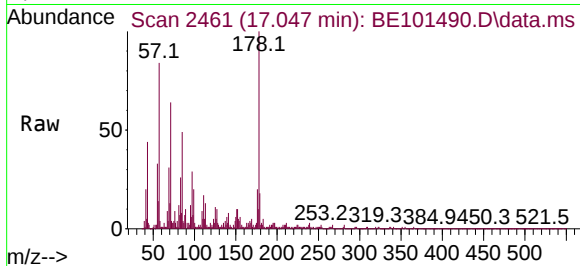




#72
 Anthracene
 Concen: 2.130 ng
 RT: 17.047 min Scan# 2461
 Delta R.T. -0.000 min
 Lab File: BE101490.D
 Acq: 5 Nov 2024 21:38

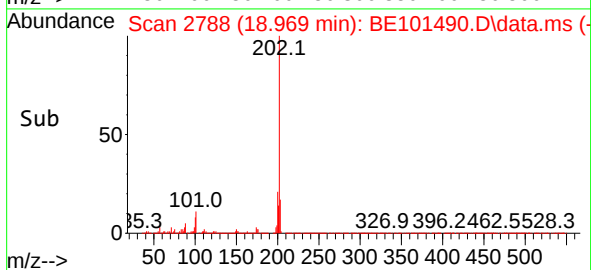
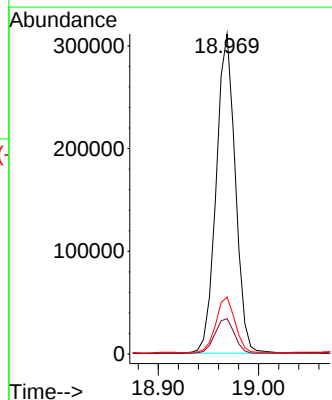
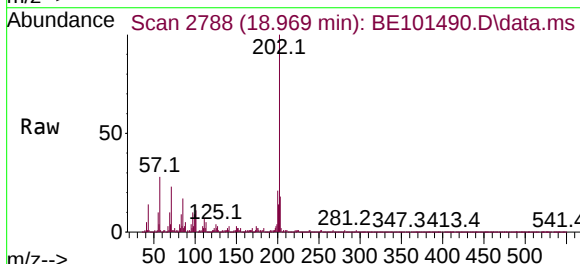
Instrument :
 BNA_E
 ClientSampleId :

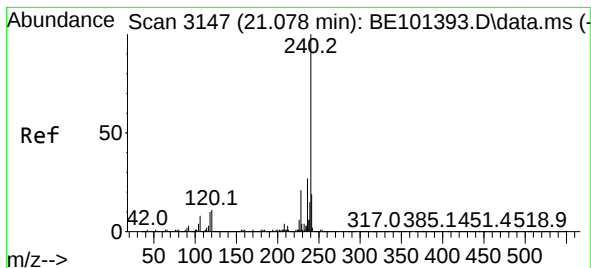
Tgt Ion:178 Resp: 47019
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.9 23.9
 179 17.8 13.1 19.7



#75
 Fluoranthene
 Concen: 14.942 ng
 RT: 18.969 min Scan# 2788
 Delta R.T. 0.006 min
 Lab File: BE101490.D
 Acq: 5 Nov 2024 21:38

Tgt Ion:202 Resp: 410357
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 33.3
 203 17.8 0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.084 min Scan# 3147

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

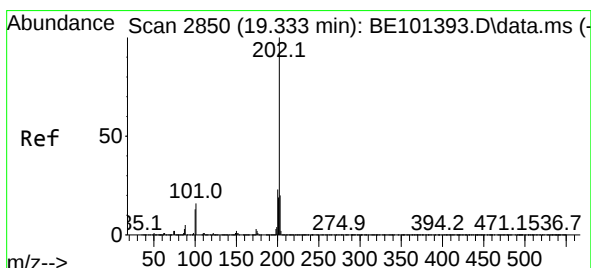
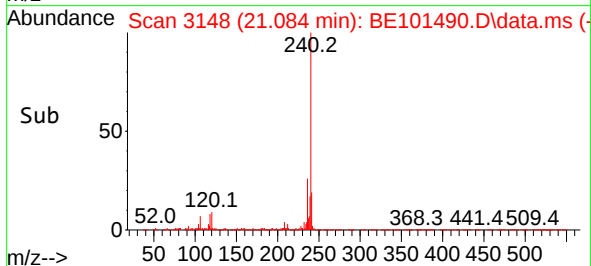
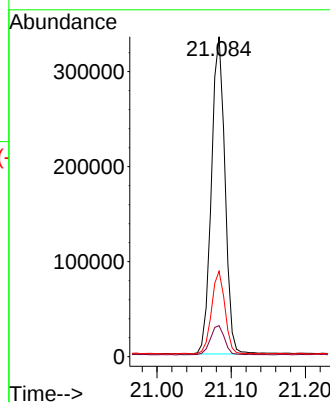
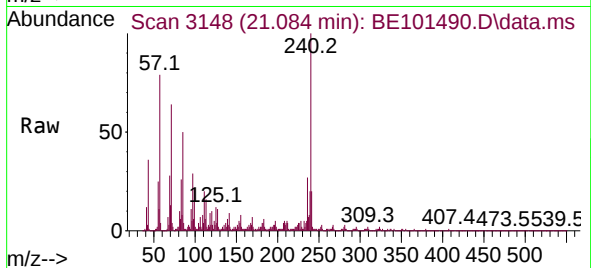
Tgt Ion:240 Resp: 424778

Ion Ratio Lower Upper

240 100

120 9.7 9.0 13.4

236 26.7 21.4 32.0



#78

Pyrene

Concen: 18.233 ng

RT: 19.339 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

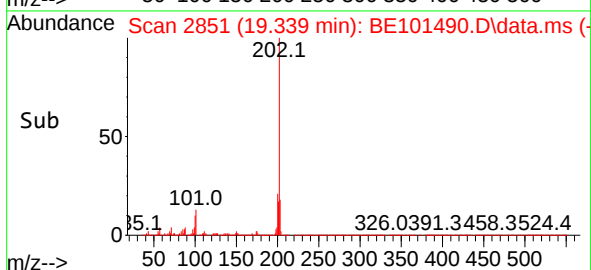
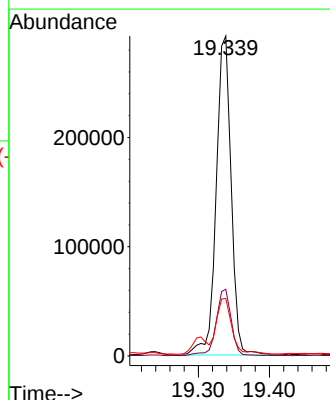
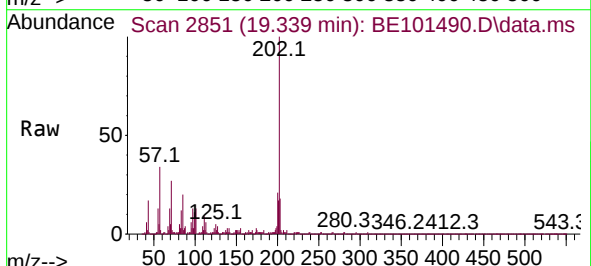
Tgt Ion:202 Resp: 425914

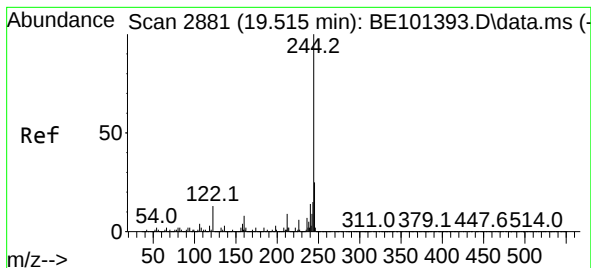
Ion Ratio Lower Upper

202 100

200 20.9 18.6 28.0

203 18.0 15.6 23.4





#79

Terphenyl-d14

Concen: 18.777 ng

RT: 19.509 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

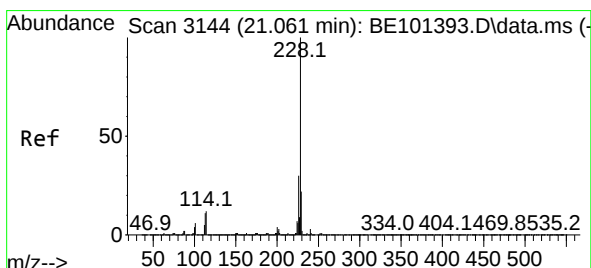
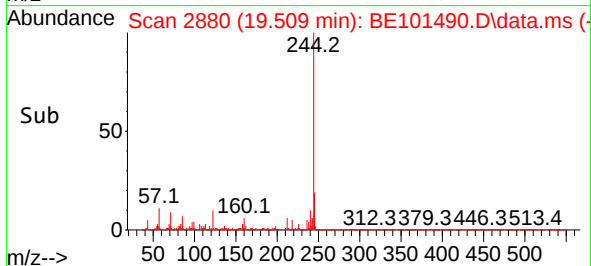
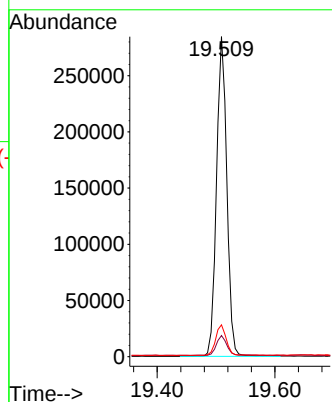
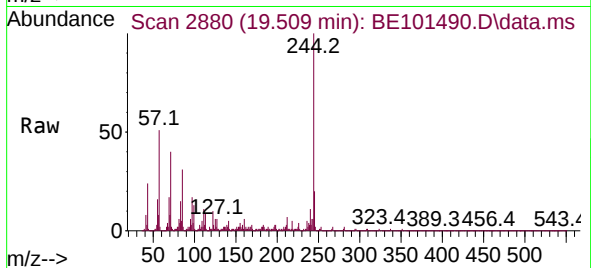
Tgt Ion:244 Resp: 346556

Ion Ratio Lower Upper

244 100

212 6.6 7.2 10.8#

122 9.9 10.4 15.6#



#81

Benzo(a)anthracene

Concen: 11.916 ng

RT: 21.060 min Scan# 3144

Delta R.T. -0.000 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

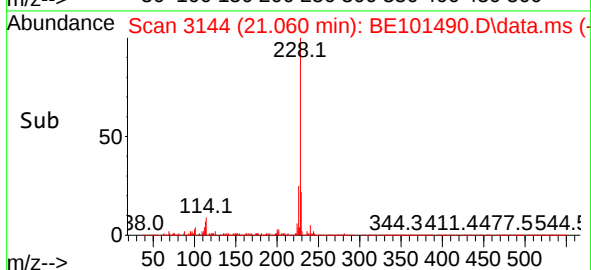
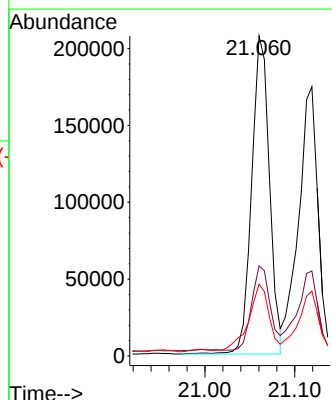
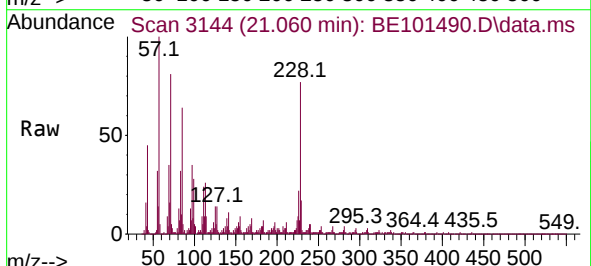
Tgt Ion:228 Resp: 284492

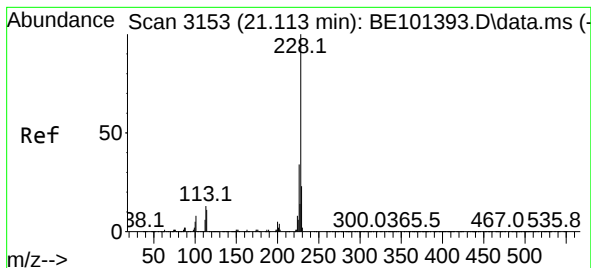
Ion Ratio Lower Upper

228 100

226 28.2 24.1 36.1

229 22.4 17.3 25.9





#83

Chrysene

Concen: 11.445 ng

RT: 21.119 min Scan# 31

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

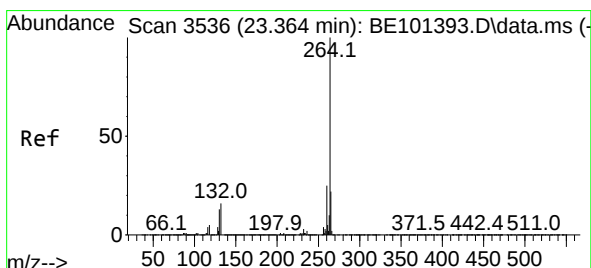
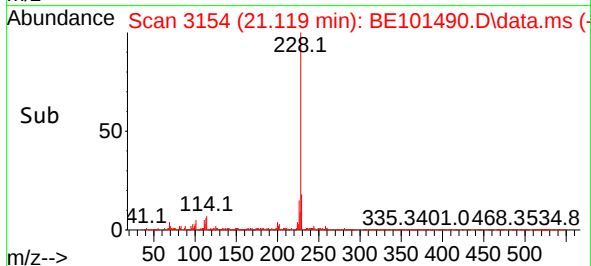
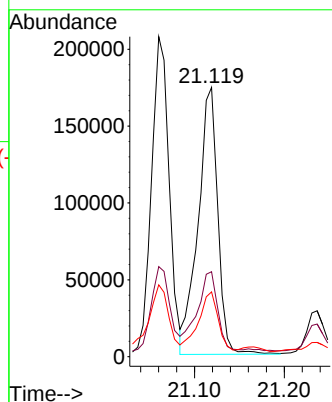
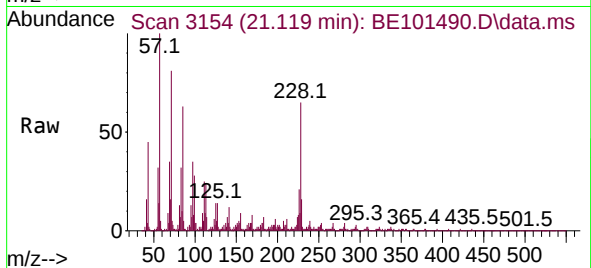
Tgt Ion:228 Resp: 264209

Ion Ratio Lower Upper

228 100

226 31.6 27.2 40.8

229 24.1 18.0 27.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.381 min Scan# 3539

Delta R.T. 0.017 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

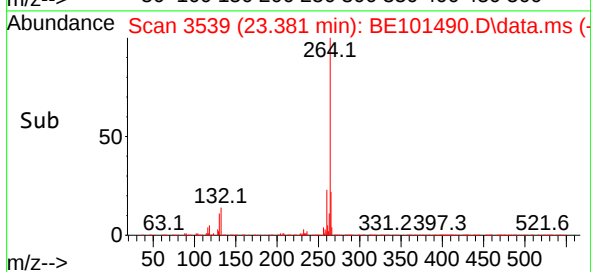
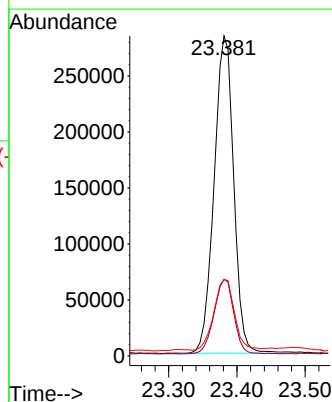
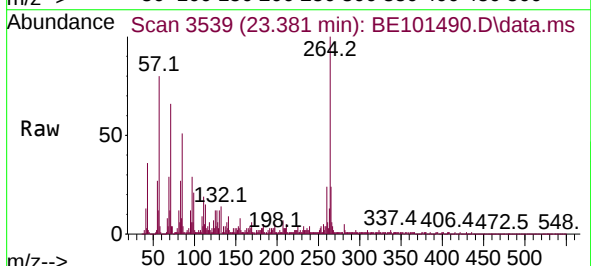
Tgt Ion:264 Resp: 566620

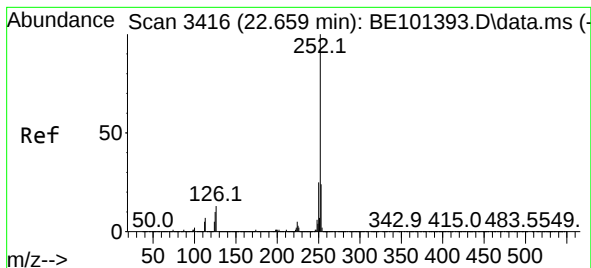
Ion Ratio Lower Upper

264 100

260 23.9 19.8 29.8

265 23.9 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 11.709 ng

RT: 22.664 min Scan# 3417

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

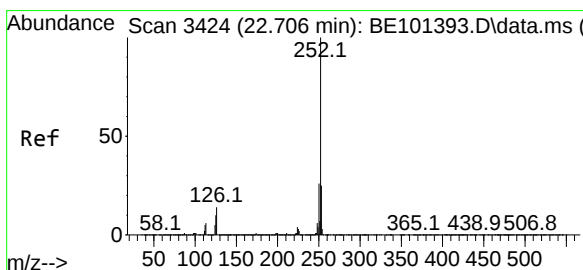
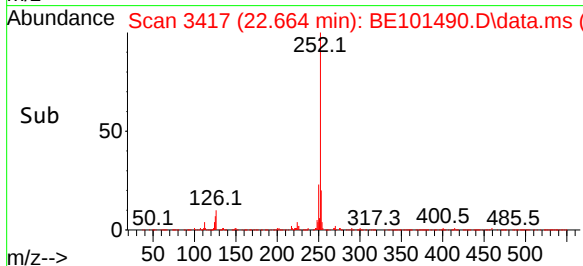
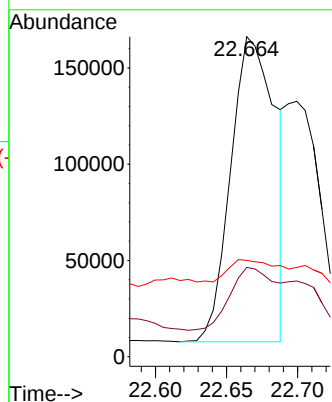
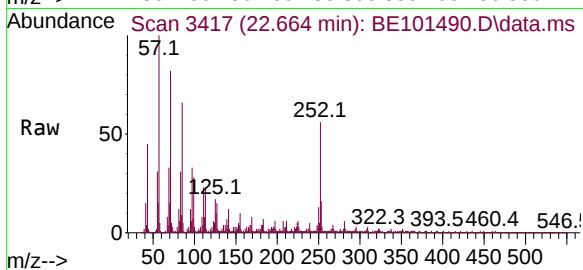
Tgt Ion:252 Resp: 345751

Ion Ratio Lower Upper

252 100

253 27.9 19.0 28.6

125 30.1 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 12.533 ng

RT: 22.664 min Scan# 3417

Delta R.T. -0.041 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

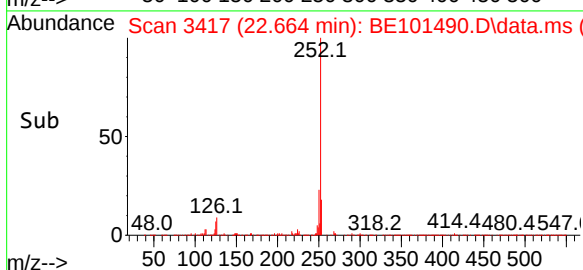
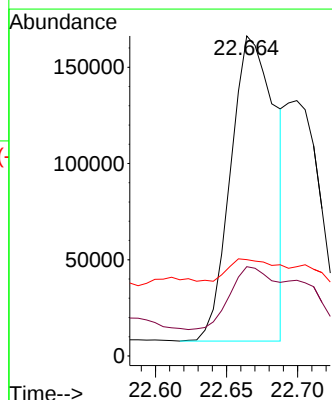
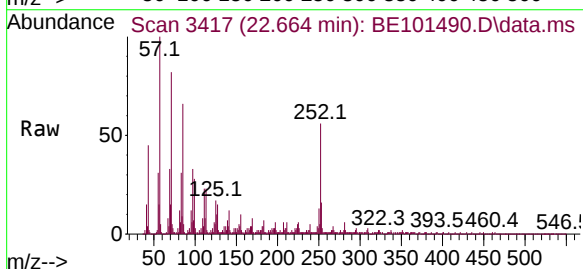
Tgt Ion:252 Resp: 345751

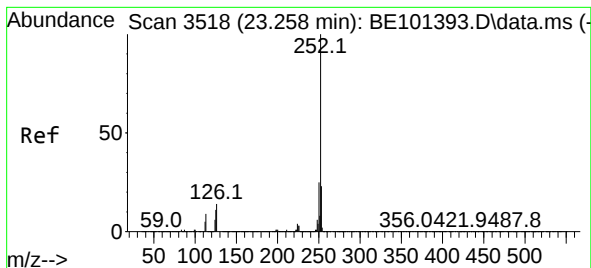
Ion Ratio Lower Upper

252 100

253 27.9 19.4 29.2

125 30.1 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 13.136 ng

RT: 23.269 min Scan# 3

Delta R.T. 0.011 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

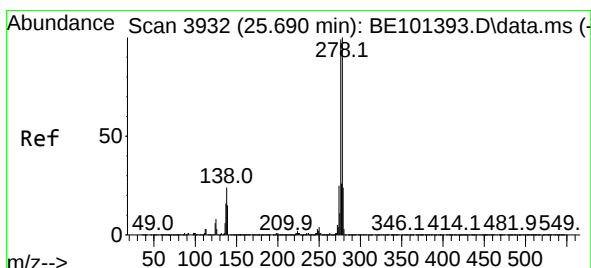
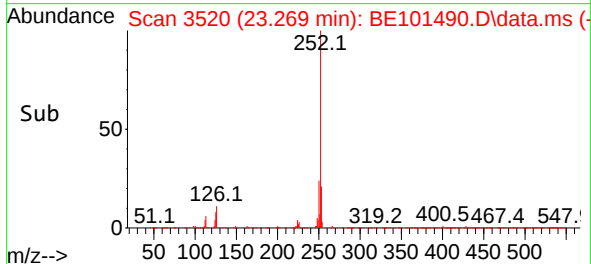
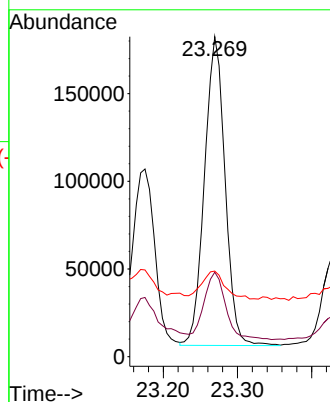
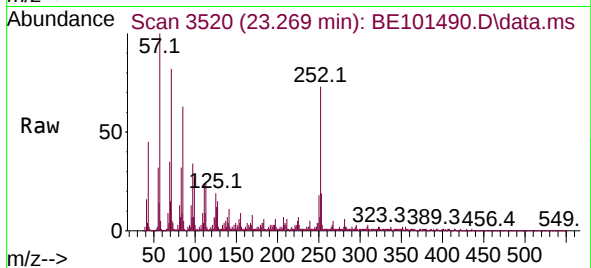
Tgt Ion:252 Resp: 339223

Ion Ratio Lower Upper

252 100

253 26.4 18.4 27.6

125 26.7 9.0 13.6#



#91

Dibenzo(a,h)anthracene

Concen: 2.291 ng

RT: 25.702 min Scan# 3934

Delta R.T. 0.011 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

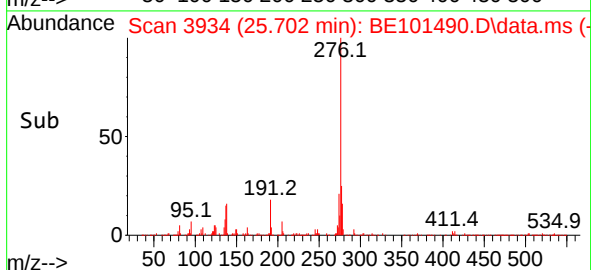
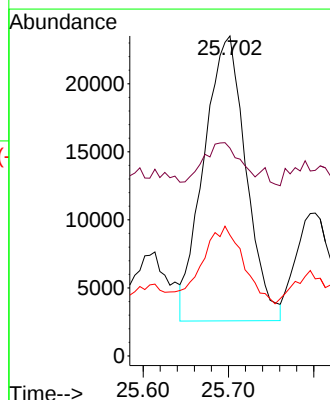
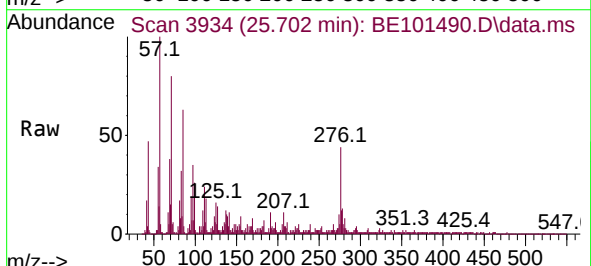
Tgt Ion:278 Resp: 71789

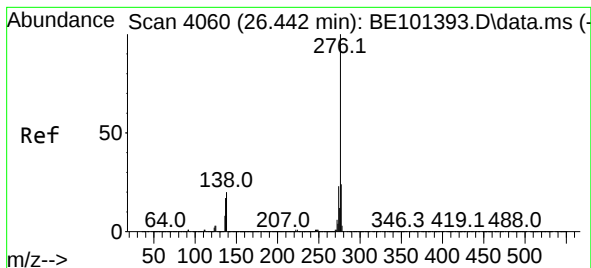
Ion Ratio Lower Upper

278 100

139 65.0 11.9 17.9#

279 37.7 19.3 28.9#





#92

Benzo(g,h,i)perylene

Concen: 8.268 ng

RT: 26.472 min Scan# 4065

Delta R.T. 0.029 min

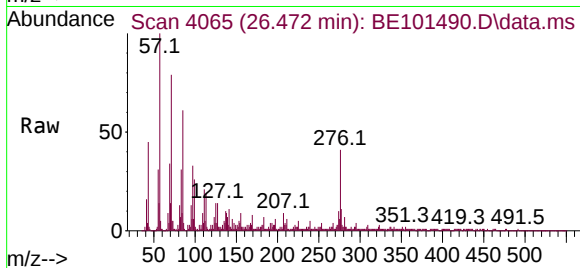
Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 276 Resp: 266939

Ion Ratio Lower Upper

276 100

277 27.9 19.4 29.2

138 23.0 15.8 23.6

