

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110124\
 Data File : BE101449.D
 Acq On : 1 Nov 2024 15:09
 Operator : RC/JU
 Sample : P4645-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 01 16:17:10 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)

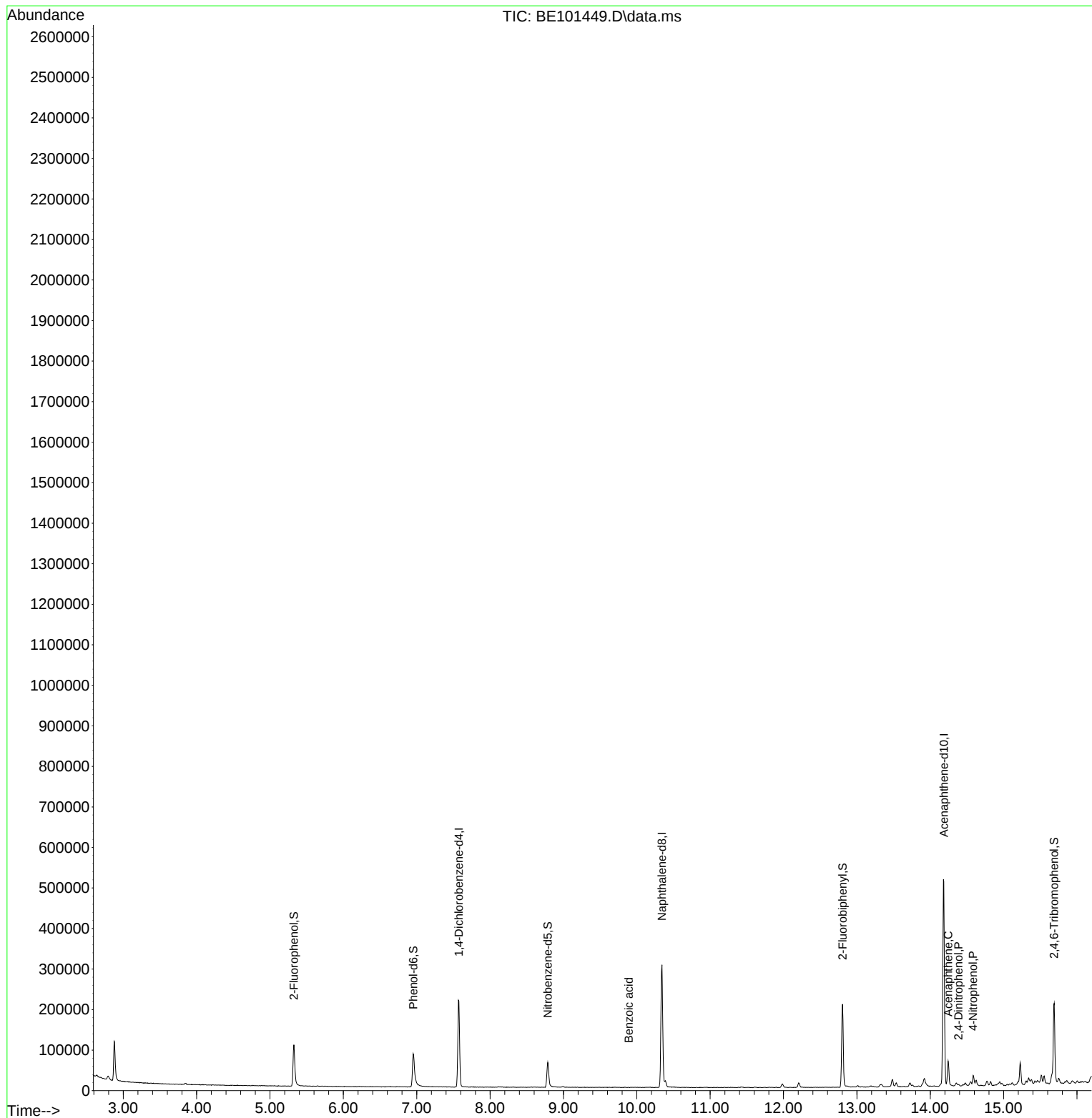
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	64386	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	275798	20.000	ng	0.00
39) Acenaphthene-d10	14.185	164	186947	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	434049	20.000	ng	0.00
76) Chrysene-d12	21.083	240	509855	20.000	ng	0.00
86) Perylene-d12	23.380	264	677793	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.325	112	58142	15.827	ng	0.00
7) Phenol-d6	6.953	99	72244	14.183	ng	0.00
23) Nitrobenzene-d5	8.786	82	42089	9.585	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	49100	14.985	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	115764	10.487	ng	0.00
79) Terphenyl-d14	19.508	244	260433	11.756	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.890	122	16	8.220	ng	# 1
52) Acenaphthene	14.244	154	21242	2.174	ng	97
54) 2,4-Dinitrophenol	14.385	184	19	5.625	ng	# 1
56) 4-Nitrophenol	14.585	139	6682	2.409	ng	# 15
71) Phenanthrene	16.959	178	663335	31.919	ng	98
72) Anthracene	17.047	178	139538	6.876	ng	98
73) Carbazole	17.376	167	49776	2.397	ng	99
75) Fluoranthene	18.968	202	1209391	47.914	ng	97
78) Pyrene	19.338	202	1182779	42.185	ng	97
81) Benzo(a)anthracene	21.060	228	664694	23.195	ng	97
83) Chrysene	21.118	228	649490	23.441	ng	96
87) Indeno(1,2,3-cd)pyrene	25.701	276	464511	10.240	ng	94
88) Benzo(b)fluoranthene	22.669	252	717961	20.326	ng	98
89) Benzo(k)fluoranthene	22.669	252	717961	21.756	ng	98
90) Benzo(a)pyrene	23.269	252	647308	20.954	ng	99
91) Dibenzo(a,h)anthracene	25.684	278	122275	3.262	ng	# 92
92) Benzo(g,h,i)perylene	26.453	276	466388	12.077	ng	98

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

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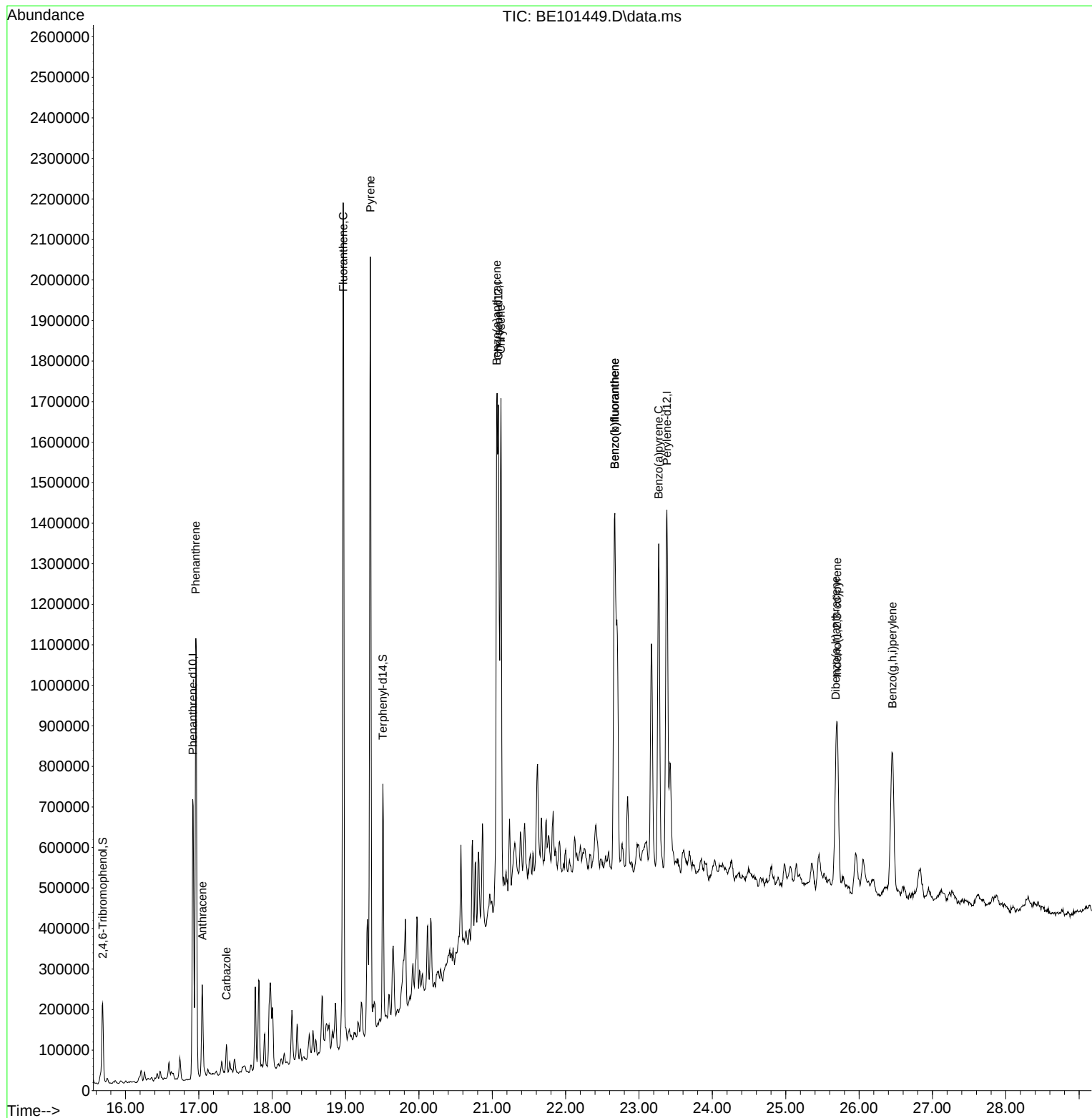
Quant Time: Nov 01 16:17:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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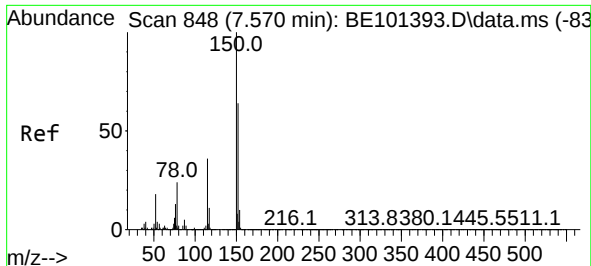


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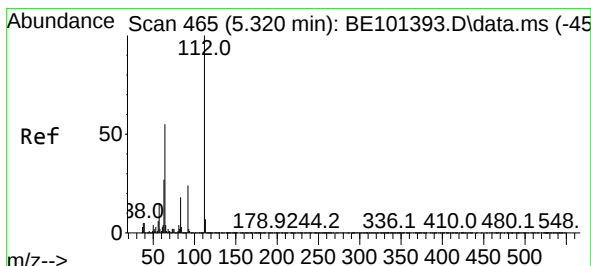
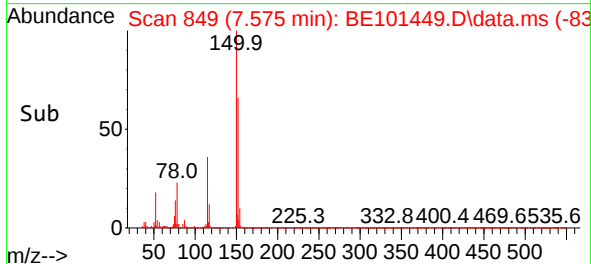
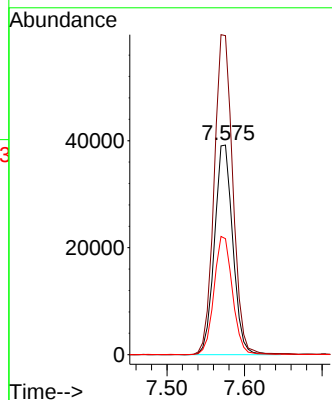
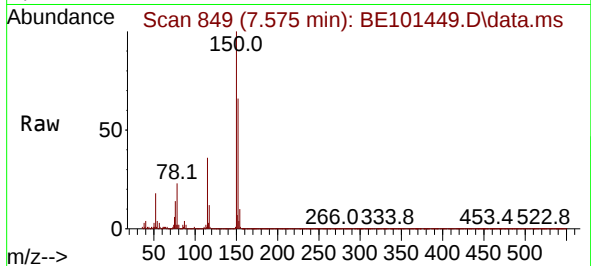




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.575 min Scan# 848
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

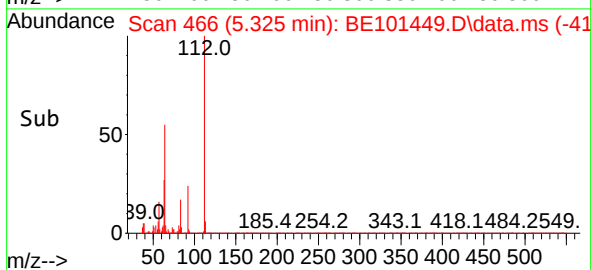
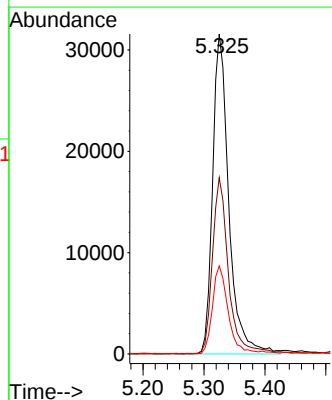
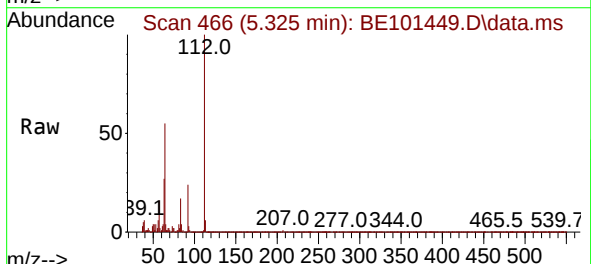
Instrument :
BNA_E
ClientSampleId :

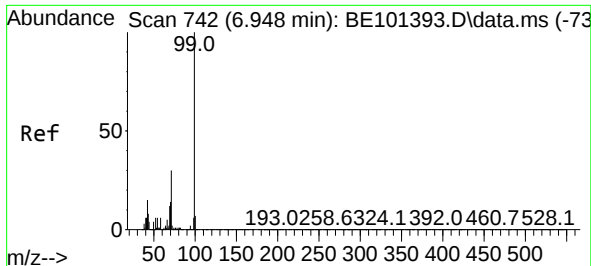
Tgt Ion:152 Resp: 64386
Ion Ratio Lower Upper
152 100
150 152.2 124.2 186.4
115 55.4 45.3 67.9



#5
2-Fluorophenol
Concen: 15.827 ng
RT: 5.325 min Scan# 466
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:112 Resp: 58142
Ion Ratio Lower Upper
112 100
64 55.1 43.7 65.5
63 27.5 21.4 32.2

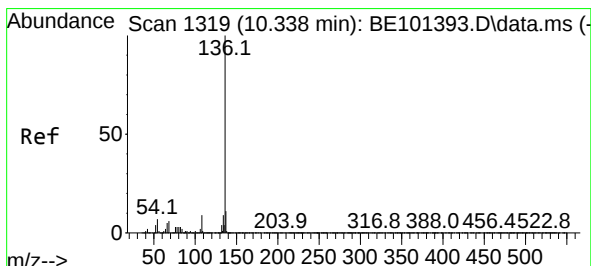
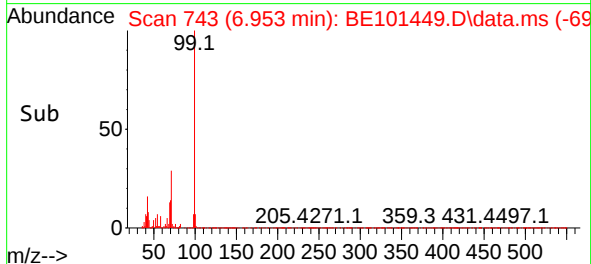
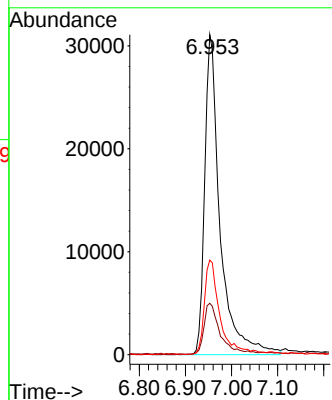
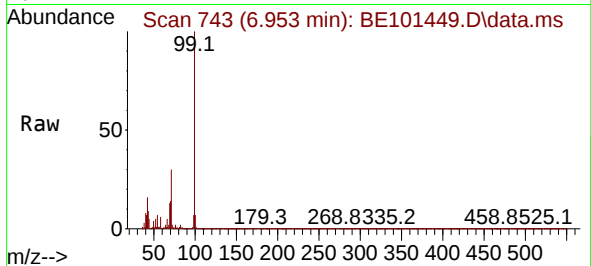




#7
Phenol-d6
Concen: 14.183 ng
RT: 6.953 min Scan# 742
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

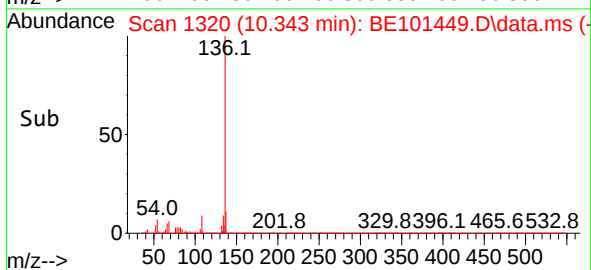
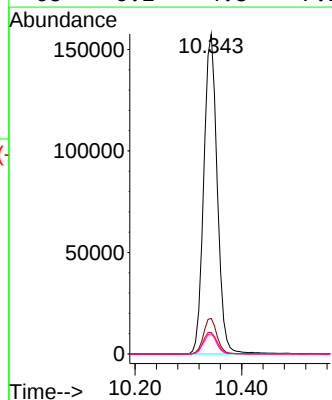
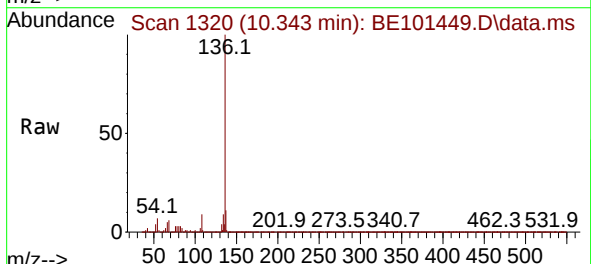
Instrument :
BNA_E
ClientSampleId :

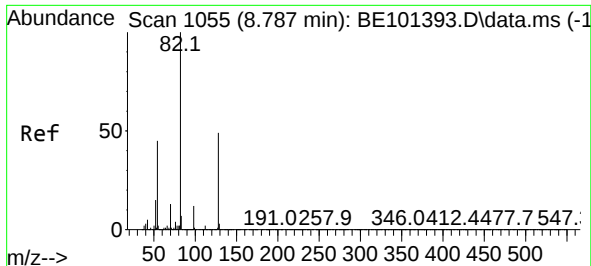
Tgt Ion: 99 Resp: 72244
Ion Ratio Lower Upper
99 100
42 16.0 12.3 18.5
71 29.5 23.8 35.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.343 min Scan# 1320
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:136 Resp: 275798
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 6.8 5.9 8.9
68 6.2 4.8 7.2

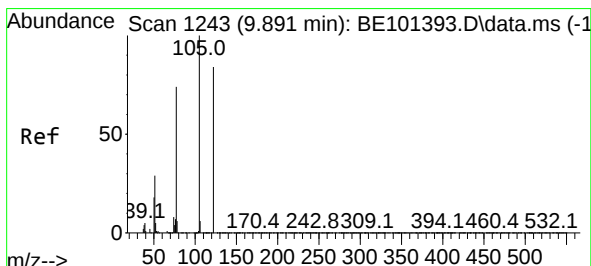
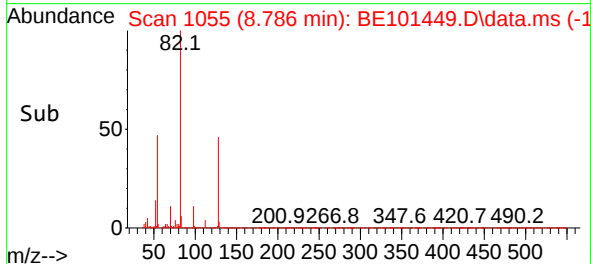
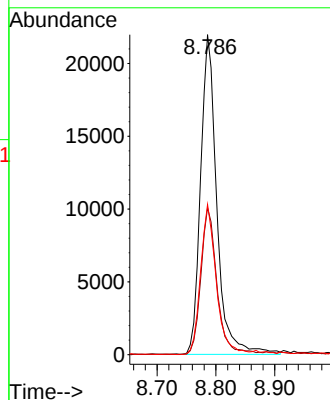
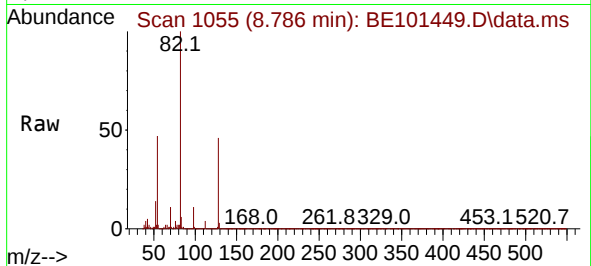




#23
Nitrobenzene-d5
Concen: 9.585 ng
RT: 8.786 min Scan# 1055
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

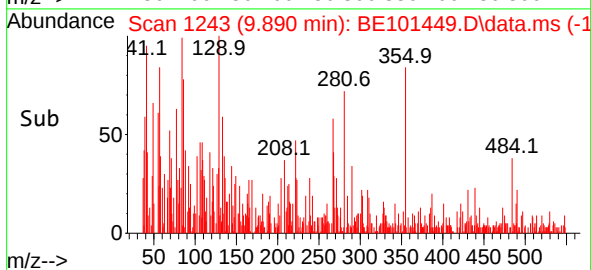
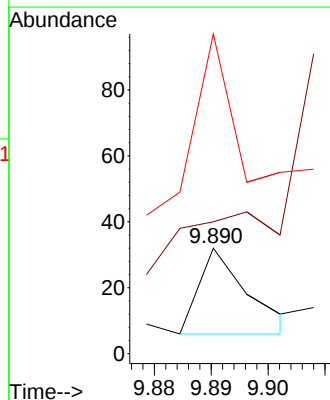
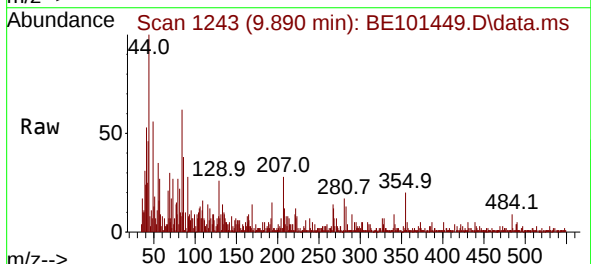
Instrument :
BNA_E
ClientSampleId :

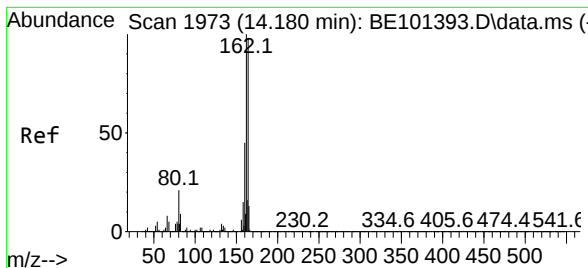
Tgt Ion:	82	Resp:	42089
Ion	Ratio	Lower	Upper
82	100		
128	45.9	38.9	58.3
54	46.9	36.2	54.4



#32
Benzoic acid
Concen: 8.220 ng
RT: 9.890 min Scan# 1243
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:	122	Resp:	16
Ion	Ratio	Lower	Upper
122	100		
105	125.0	97.9	137.9
77	303.1	68.1	108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.185 min Scan# 1973

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

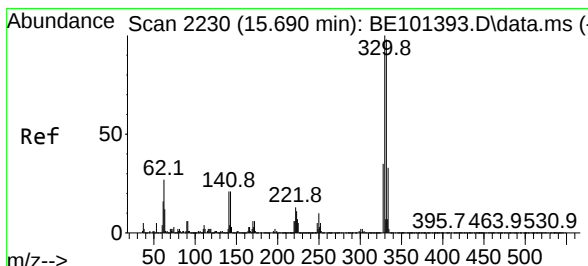
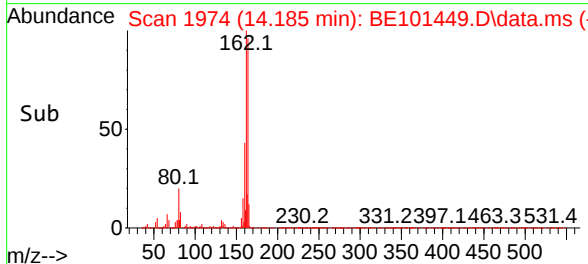
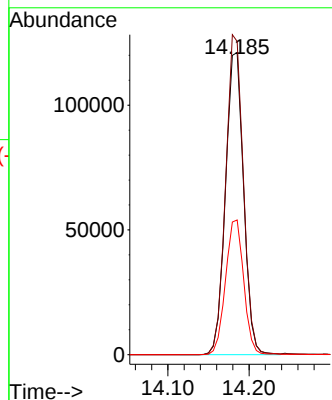
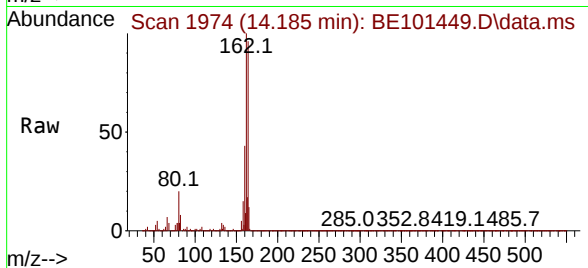
Tgt Ion:164 Resp: 186947

Ion Ratio Lower Upper

164 100

162 103.7 81.3 121.9

160 44.6 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 14.985 ng

RT: 15.689 min Scan# 2230

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

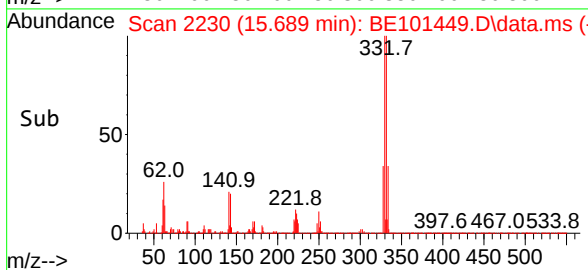
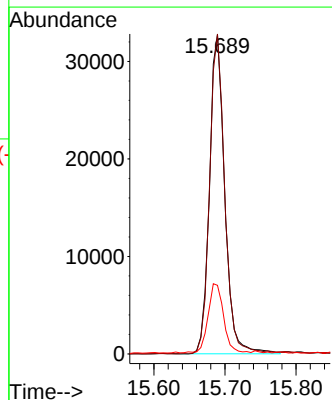
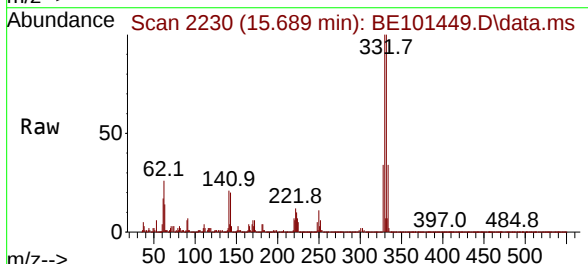
Tgt Ion:330 Resp: 49100

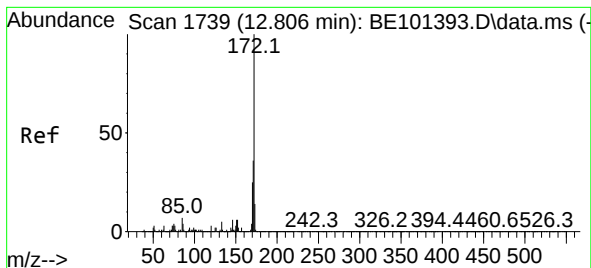
Ion Ratio Lower Upper

330 100

332 99.2 78.2 117.2

141 21.9 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 10.487 ng

RT: 12.805 min Scan# 1

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

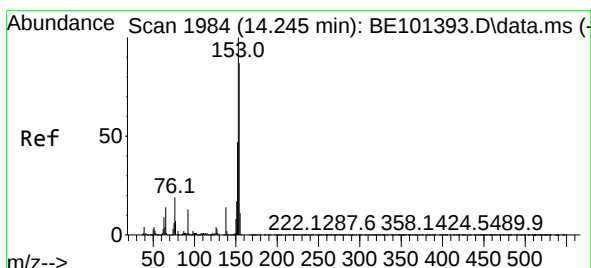
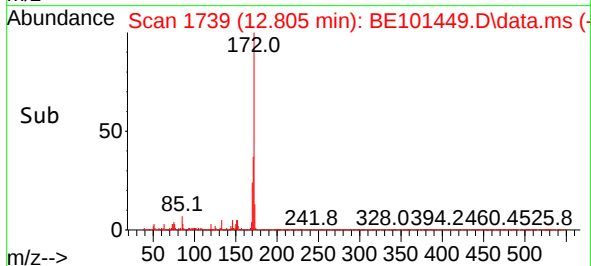
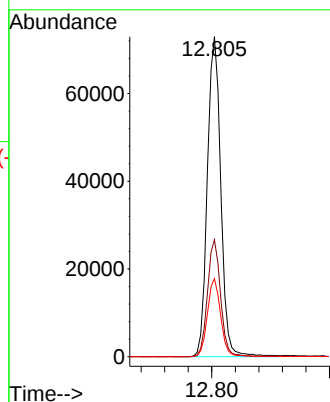
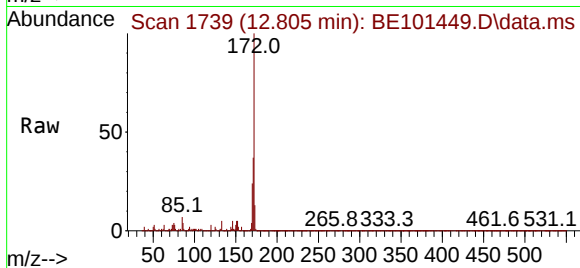
Tgt Ion:172 Resp: 115764

Ion Ratio Lower Upper

172 100

171 36.5 29.2 43.8

170 24.4 19.8 29.6



#52

Acenaphthene

Concen: 2.174 ng

RT: 14.244 min Scan# 1984

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

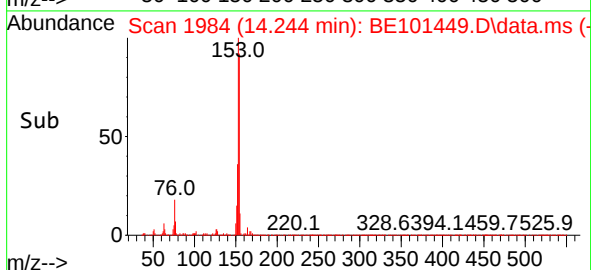
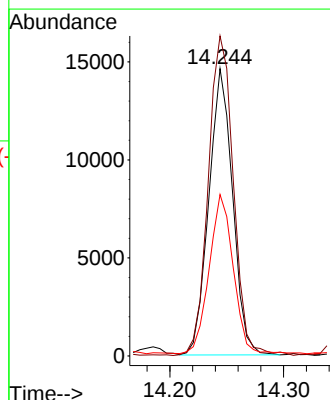
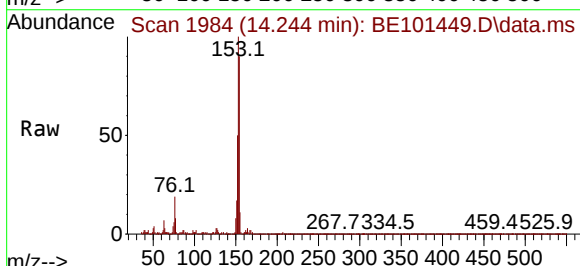
Tgt Ion:154 Resp: 21242

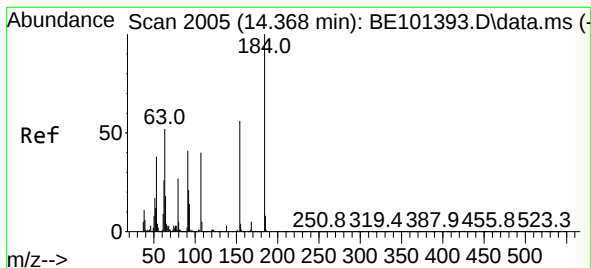
Ion Ratio Lower Upper

154 100

153 111.3 91.8 137.6

152 56.1 43.1 64.7

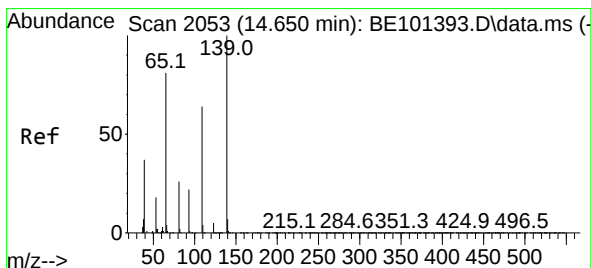
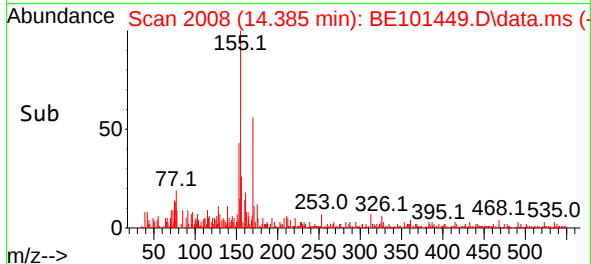
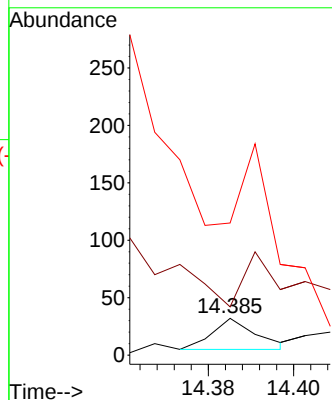
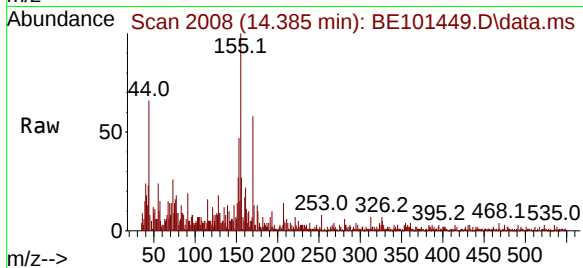




#54
2,4-Dinitrophenol
Concen: 5.625 ng
RT: 14.385 min Scan# 2008
Delta R.T. 0.017 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

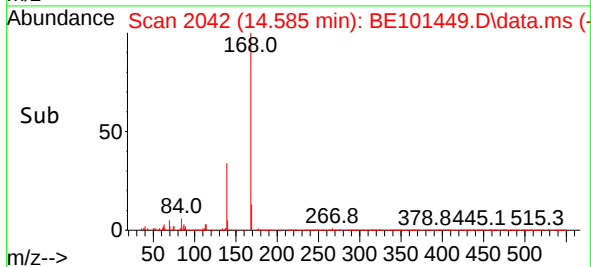
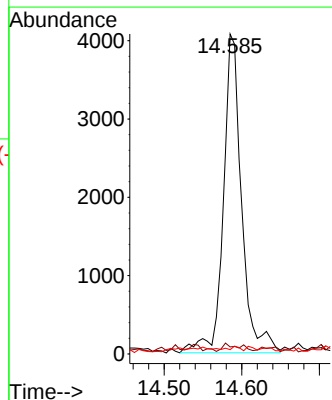
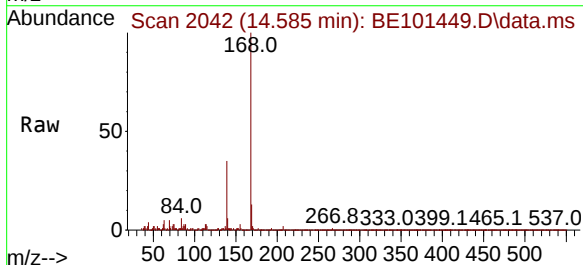
Instrument :
BNA_E
ClientSampleId :

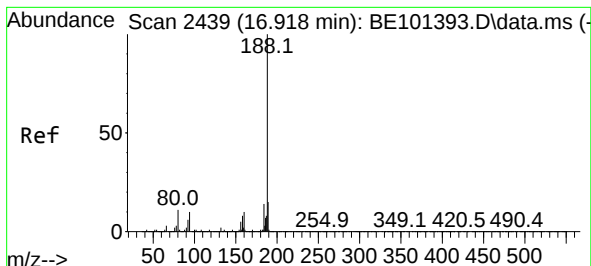
Tgt Ion:184 Resp: 19
Ion Ratio Lower Upper
184 100
63 131.3 41.8 62.6#
154 359.4 44.9 67.3#



#56
4-Nitrophenol
Concen: 2.409 ng
RT: 14.585 min Scan# 2042
Delta R.T. -0.065 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:139 Resp: 6682
Ion Ratio Lower Upper
139 100
109 2.2 42.4 82.4#
65 1.3 63.4 103.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.917 min Scan# 2439

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

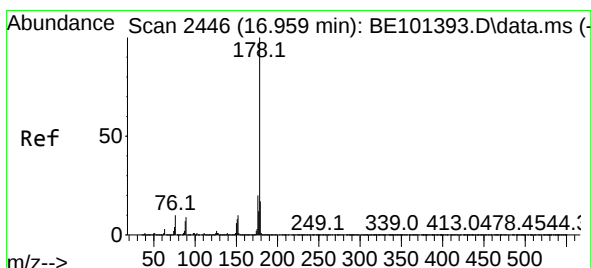
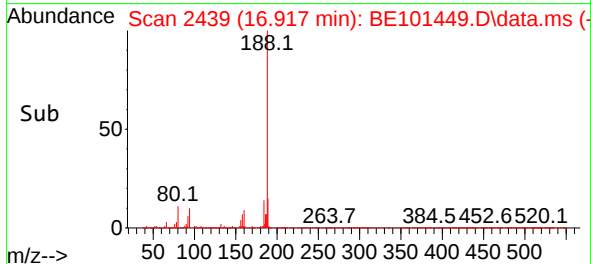
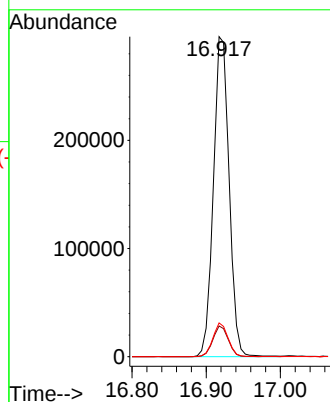
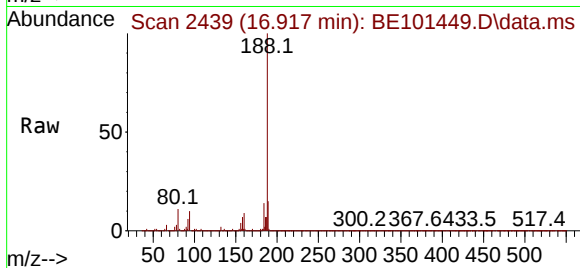
Tgt Ion:188 Resp: 434049

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.8

80 10.6 8.6 12.8



#71

Phenanthrene

Concen: 31.919 ng

RT: 16.959 min Scan# 2446

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

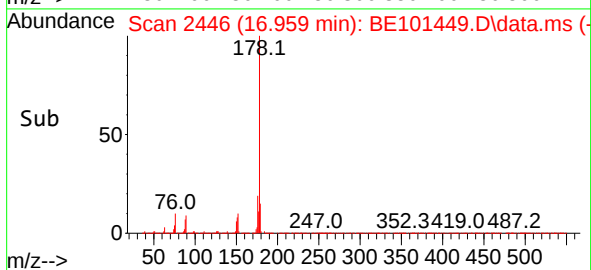
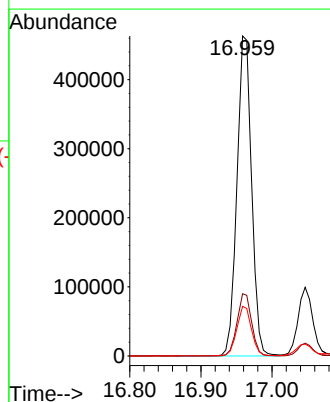
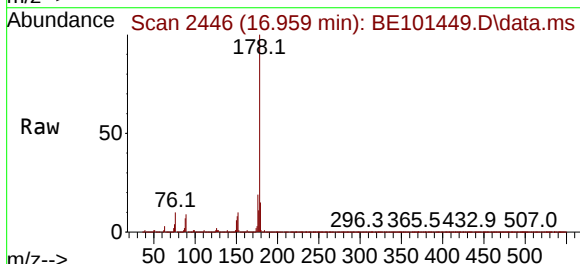
Tgt Ion:178 Resp: 663335

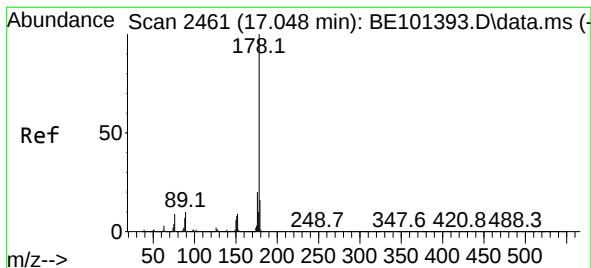
Ion Ratio Lower Upper

178 100

176 19.5 16.4 24.6

179 15.5 13.2 19.8





#72

Anthracene

Concen: 6.876 ng

RT: 17.047 min Scan# 2461

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

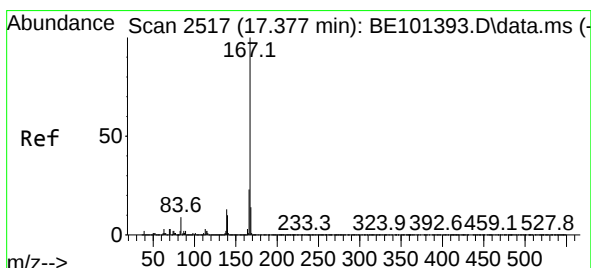
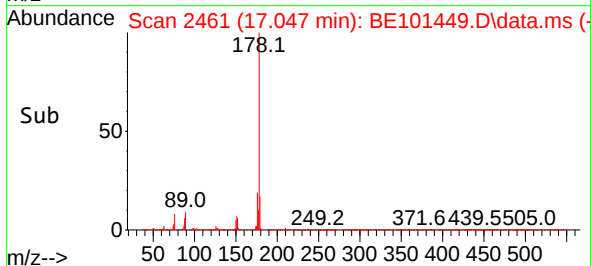
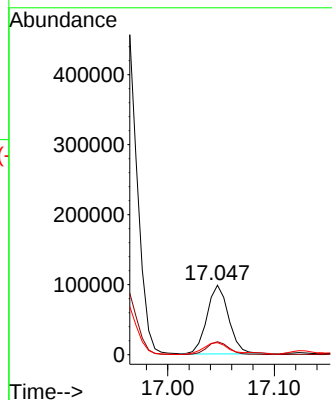
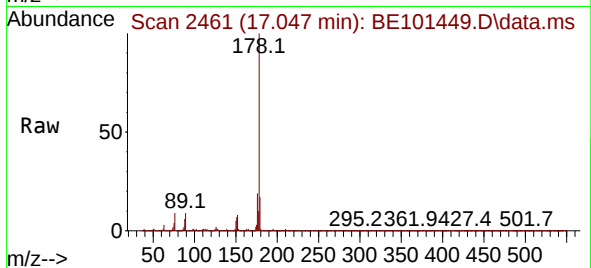
Tgt Ion:178 Resp: 139538

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

179 17.3 13.1 19.7



#73

Carbazole

Concen: 2.397 ng

RT: 17.376 min Scan# 2517

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

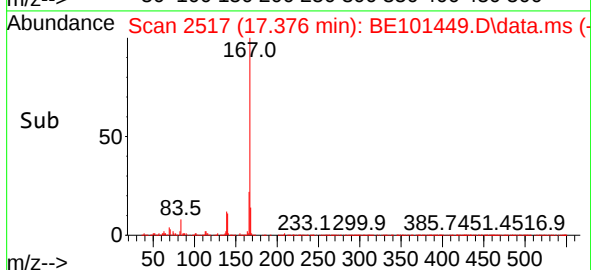
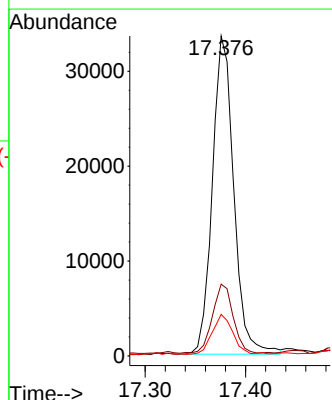
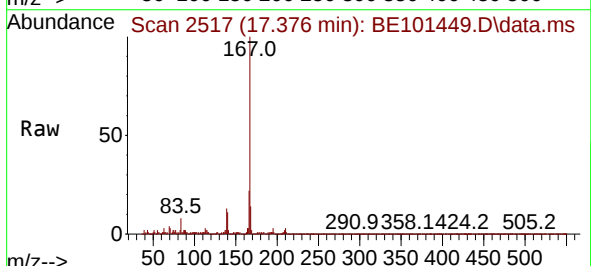
Tgt Ion:167 Resp: 49776

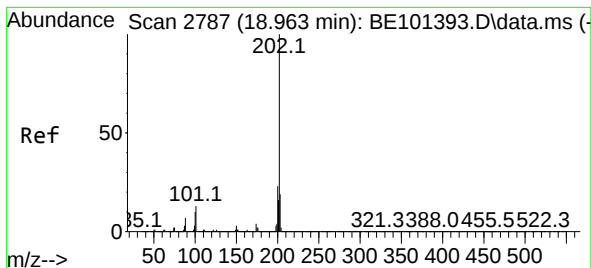
Ion Ratio Lower Upper

167 100

166 22.4 18.3 27.5

139 13.0 10.8 16.2





#75

Fluoranthene

Concen: 47.914 ng

RT: 18.968 min Scan# 21

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

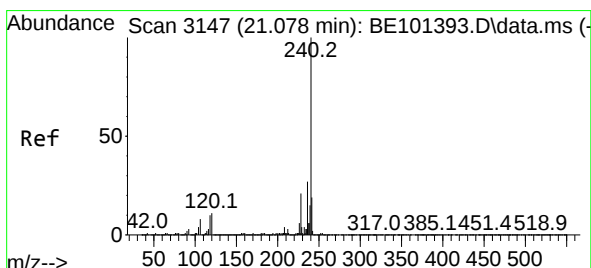
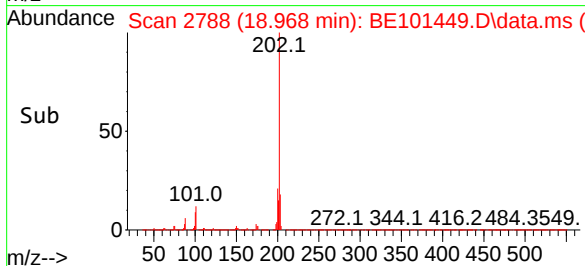
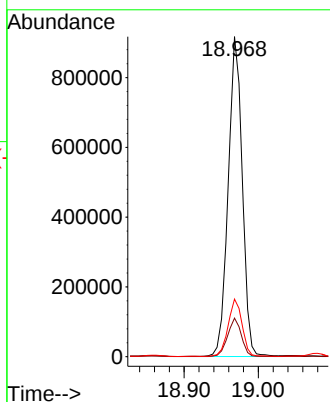
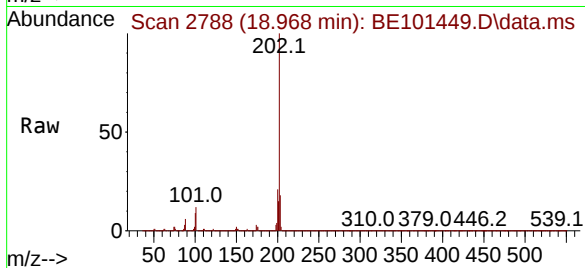
Tgt Ion:202 Resp: 1209391

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.3

203 18.0 0.0 39.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.083 min Scan# 3148

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

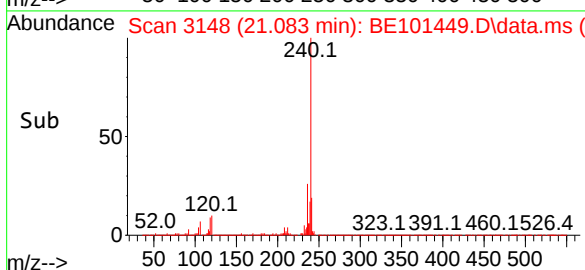
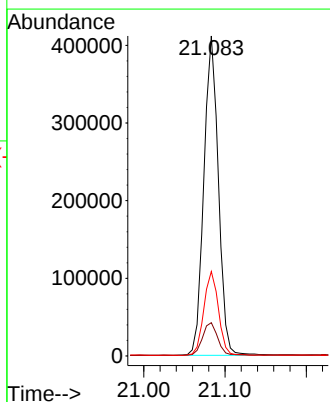
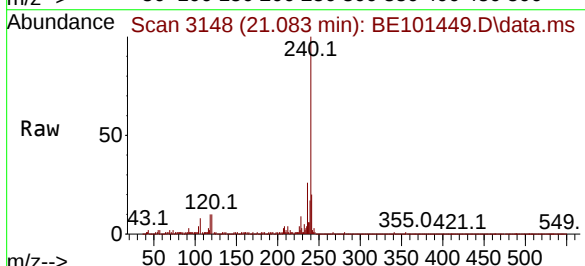
Tgt Ion:240 Resp: 509855

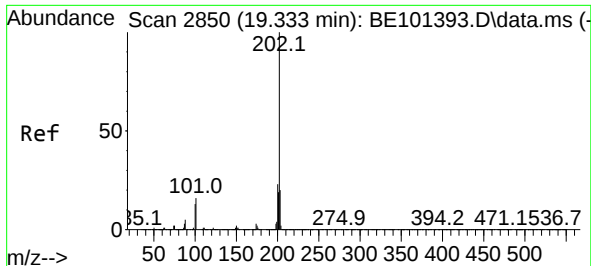
Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.4

236 26.4 21.4 32.0

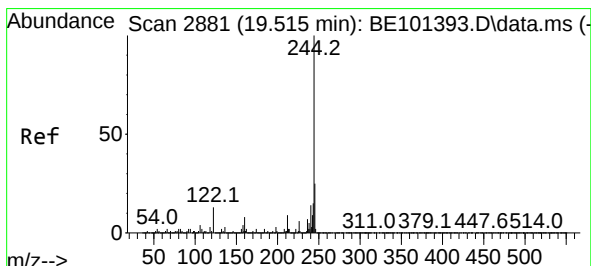
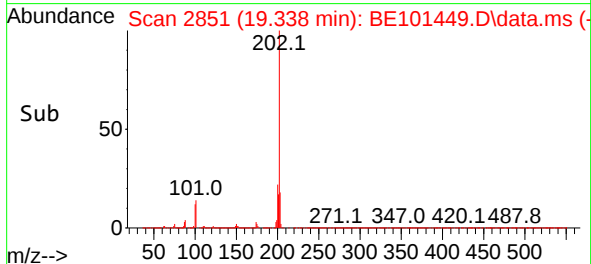
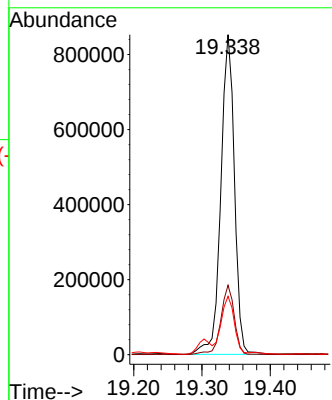
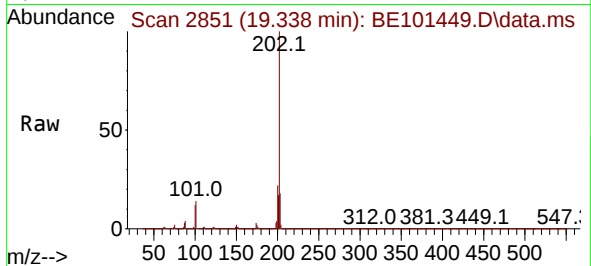




#78
Pyrene
Concen: 42.185 ng
RT: 19.338 min Scan# 21
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

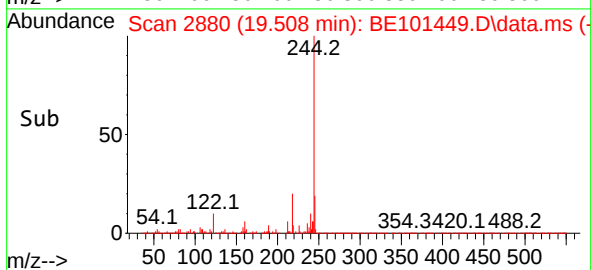
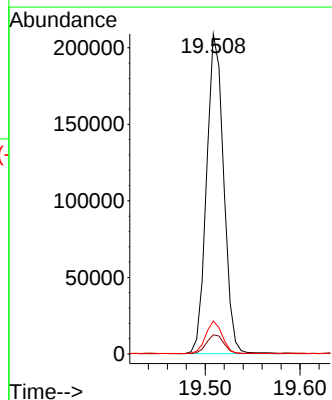
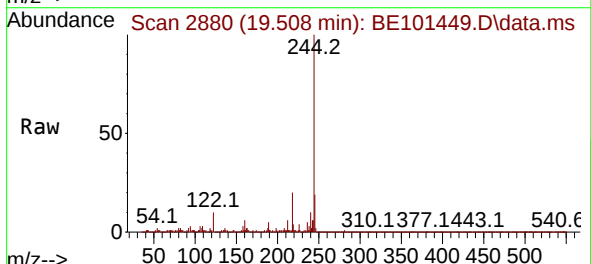
Instrument :
BNA_E
ClientSampleId :

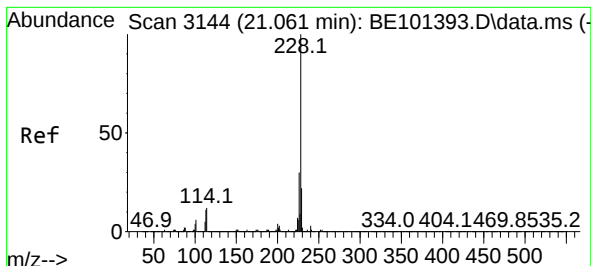
Tgt Ion:202 Resp: 1182779
Ion Ratio Lower Upper
202 100
200 21.7 18.6 28.0
203 18.3 15.6 23.4



#79
Terphenyl-d14
Concen: 11.756 ng
RT: 19.508 min Scan# 2880
Delta R.T. -0.007 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:244 Resp: 260433
Ion Ratio Lower Upper
244 100
212 6.0 7.2 10.8#
122 10.3 10.4 15.6#





#81

Benzo(a)anthracene

Concen: 23.195 ng

RT: 21.060 min Scan# 3144

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

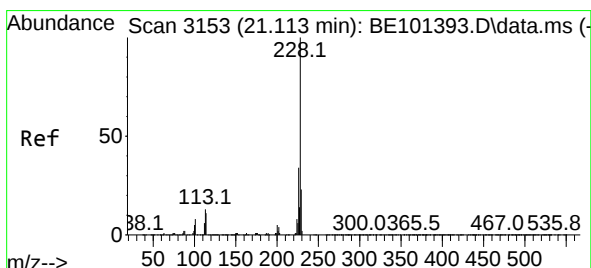
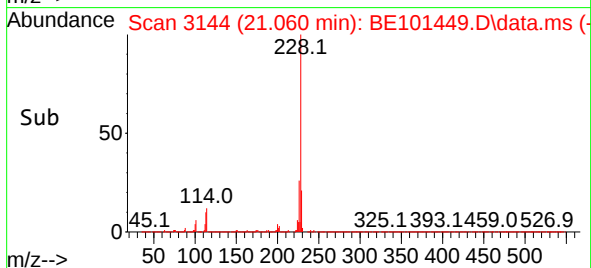
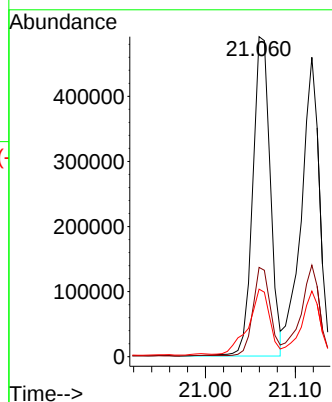
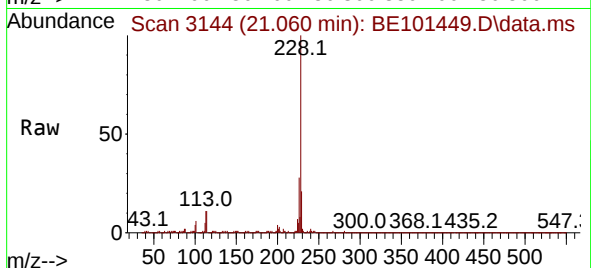
Tgt Ion:228 Resp: 664694

Ion Ratio Lower Upper

228 100

226 27.9 24.1 36.1

229 21.1 17.3 25.9



#83

Chrysene

Concen: 23.441 ng

RT: 21.118 min Scan# 3154

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

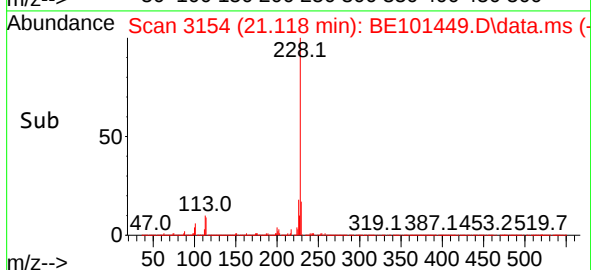
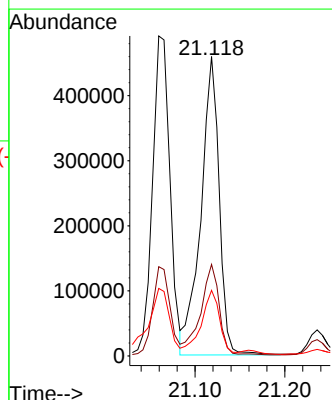
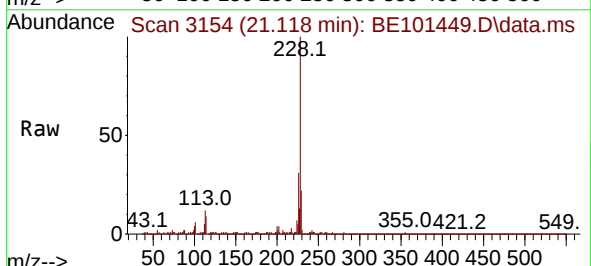
Tgt Ion:228 Resp: 649490

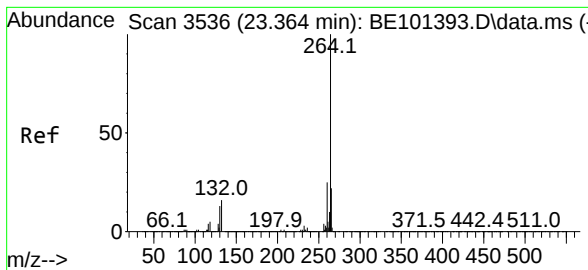
Ion Ratio Lower Upper

228 100

226 30.6 27.2 40.8

229 21.9 18.0 27.0



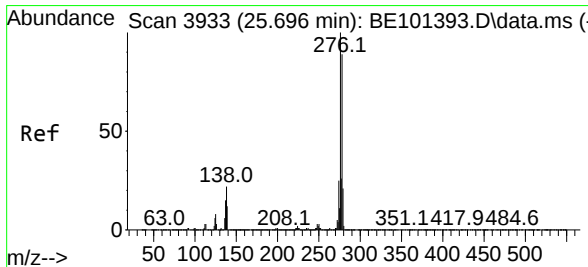
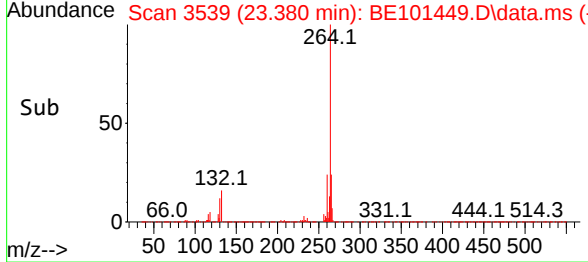
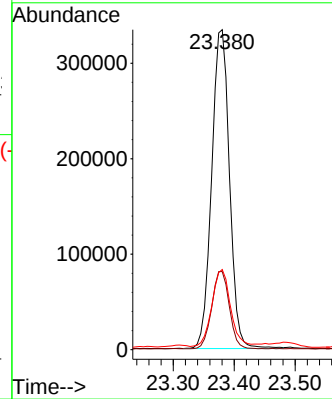
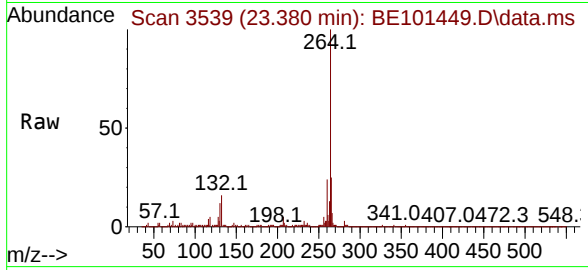


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.380 min Scan# 3536
Delta R.T. 0.017 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 677793

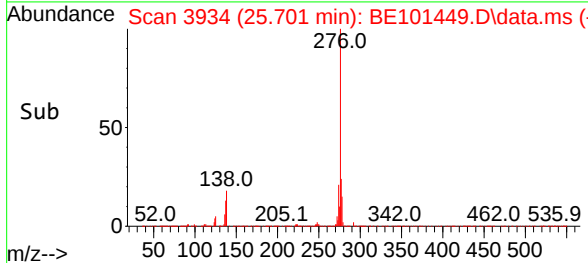
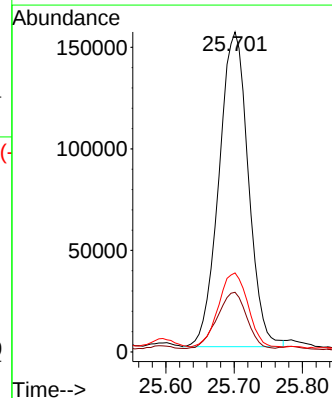
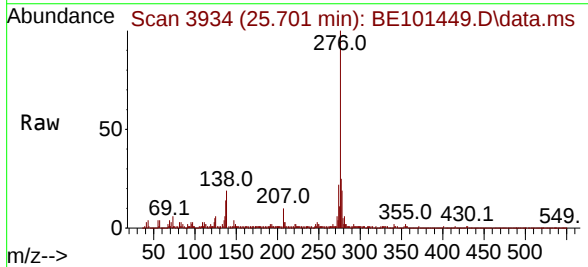
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	25.0	17.6	26.4

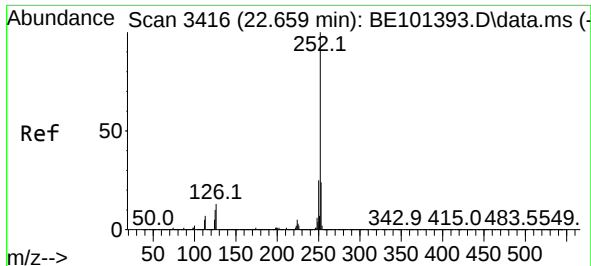


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.240 ng
RT: 25.701 min Scan# 3934
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:276 Resp: 464511

Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.8	26.8
277	23.5	20.5	30.7

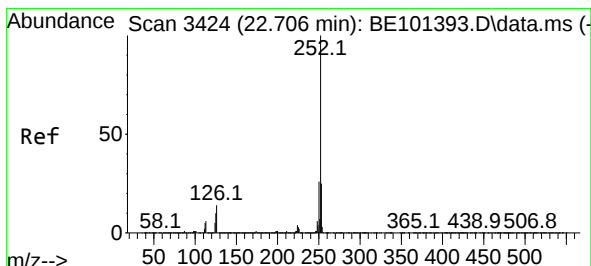
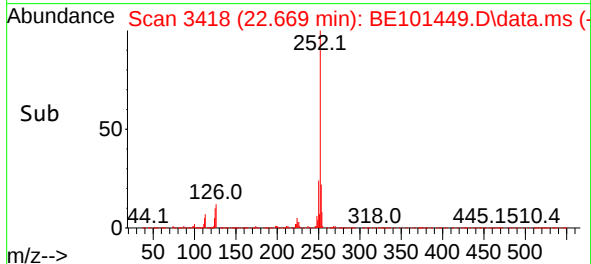
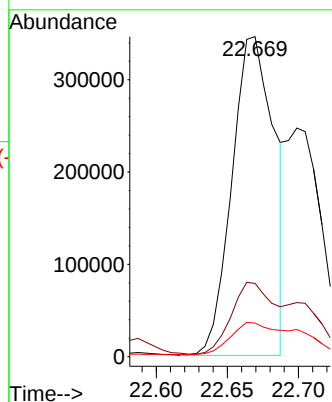
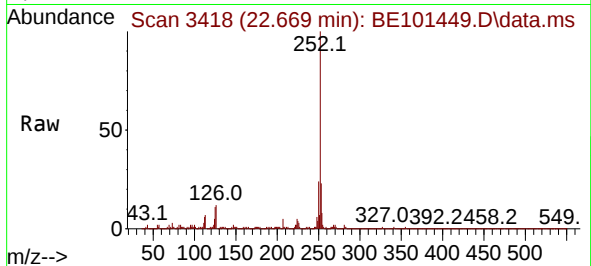




#88
Benzo(b)fluoranthene
Concen: 20.326 ng
RT: 22.669 min Scan# 3416
Delta R.T. 0.011 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

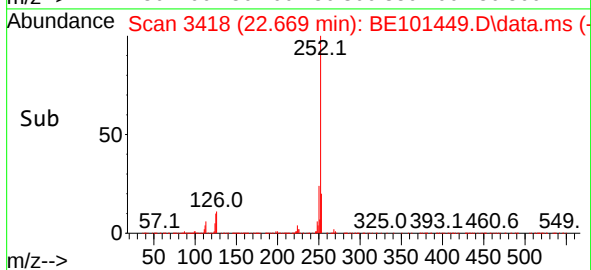
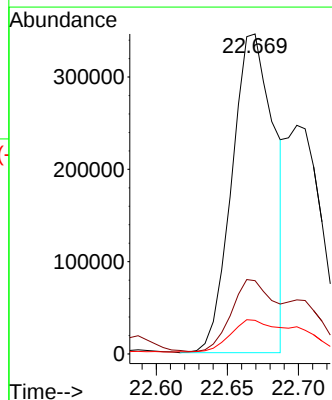
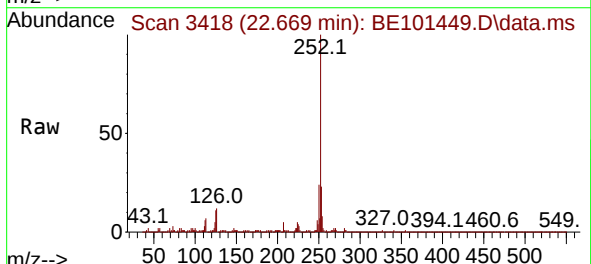
Instrument :
BNA_E
ClientSampleId :

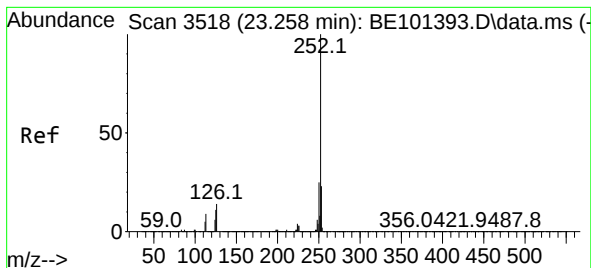
Tgt Ion:252 Resp: 717961
Ion Ratio Lower Upper
252 100
253 22.9 19.0 28.6
125 10.5 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 21.756 ng
RT: 22.669 min Scan# 3418
Delta R.T. -0.036 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:252 Resp: 717961
Ion Ratio Lower Upper
252 100
253 22.9 19.4 29.2
125 10.5 8.2 12.2





#90

Benzo(a)pyrene

Concen: 20.954 ng

RT: 23.269 min Scan# 3518

Delta R.T. 0.011 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

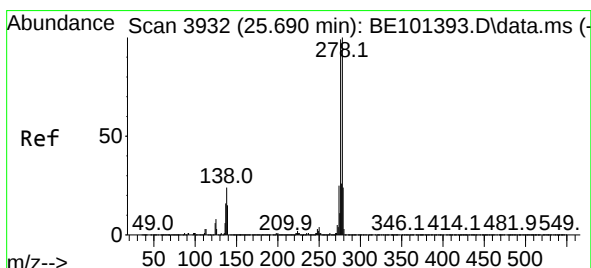
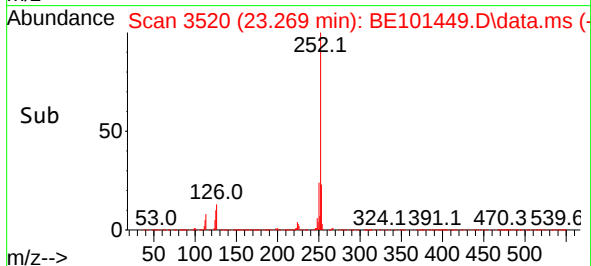
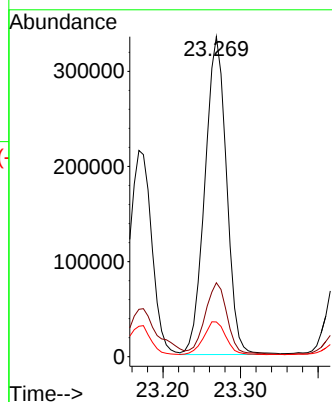
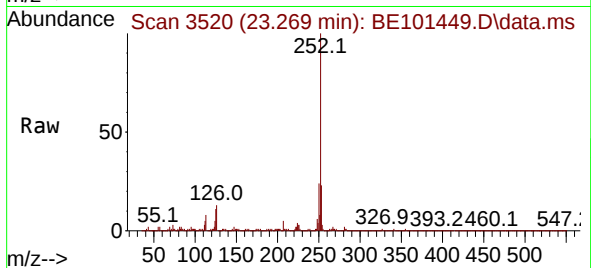
Tgt Ion:252 Resp: 647308

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 10.8 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 3.262 ng

RT: 25.684 min Scan# 3931

Delta R.T. -0.007 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

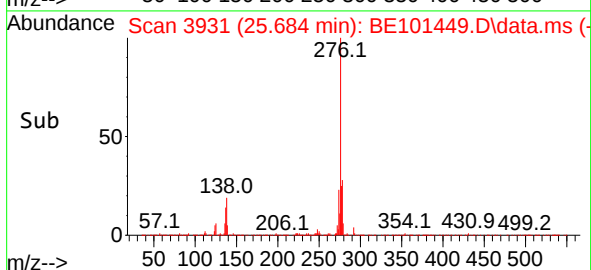
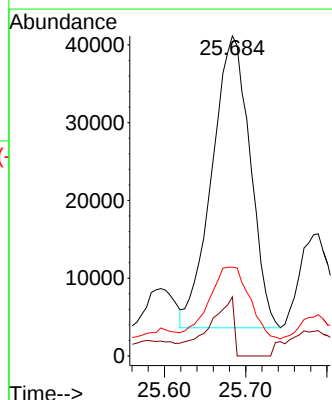
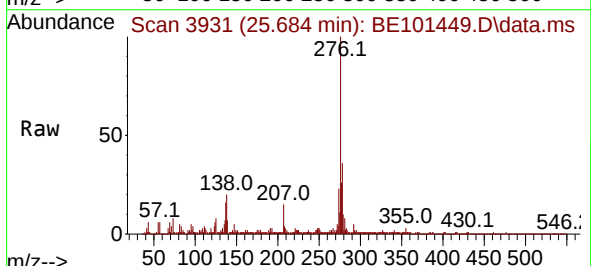
Tgt Ion:278 Resp: 122275

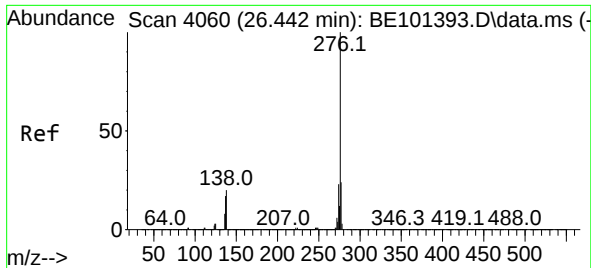
Ion Ratio Lower Upper

278 100

139 18.5 11.9 17.9#

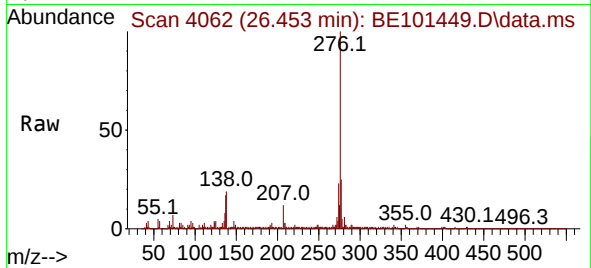
279 27.8 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 12.077 ng
 RT: 26.453 min Scan# 4062
 Delta R.T. 0.011 min
 Lab File: BE101449.D
 Acq: 1 Nov 2024 15:09

Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion: 276 Resp: 466388

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.2
138	19.3	15.8	23.6

