

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
 Data File : BE101470.D
 Acq On : 4 Nov 2024 00:01
 Operator : RC/JU
 Sample : P4679-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MH-1

Quant Time: Nov 05 00:07:14 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)

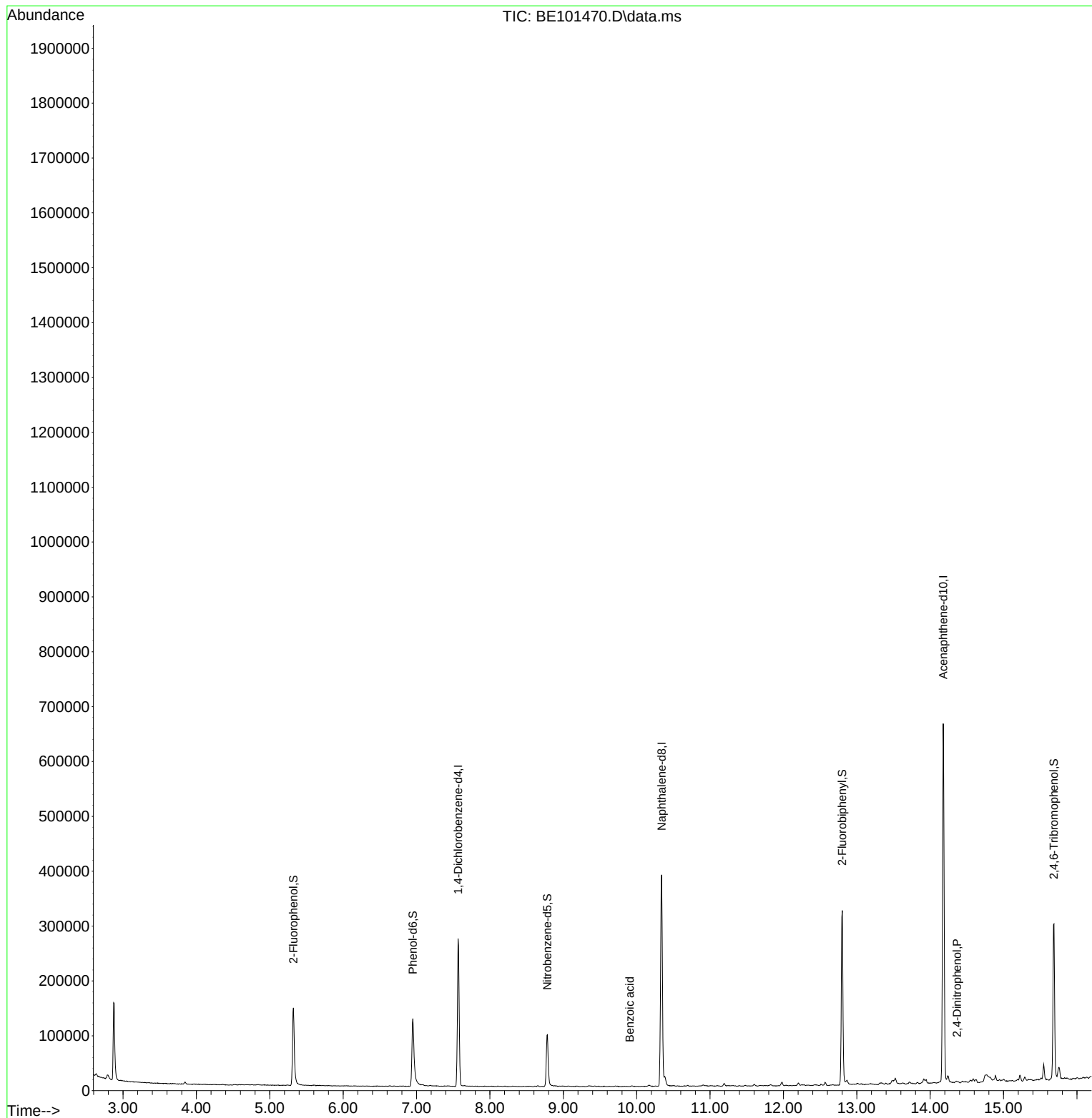
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.567	152	78112	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	346651	20.000	ng	0.00
39) Acenaphthene-d10	14.177	164	236260	20.000	ng	0.00
64) Phenanthrene-d10	16.915	188	525960	20.000	ng	0.00
76) Chrysene-d12	21.075	240	578212	20.000	ng	0.00
86) Perylene-d12	23.372	264	764878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.323	112	82365	18.481	ng	0.00
7) Phenol-d6	6.950	99	105000	16.991	ng	0.00
23) Nitrobenzene-d5	8.783	82	61924	11.220	ng	0.00
42) 2,4,6-Tribromophenol	15.687	330	73806	17.824	ng	0.00
45) 2-Fluorobiphenyl	12.802	172	177366	12.714	ng	0.00
79) Terphenyl-d14	19.506	244	357596	14.234	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.906	122	52	8.227	ng	# 80
54) 2,4-Dinitrophenol	14.365	184	24	5.625	ng	# 1
71) Phenanthrene	16.956	178	57055	2.266	ng	97
75) Fluoranthene	18.966	202	113860	3.723	ng	96
78) Pyrene	19.330	202	121091	3.808	ng	97
81) Benzo(a)anthracene	21.057	228	70428	2.167	ng	97
83) Chrysene	21.110	228	72166	2.297	ng	96
88) Benzo(b)fluoranthene	22.655	252	124081	3.113	ng	# 91
89) Benzo(k)fluoranthene	22.655	252	124081	3.332	ng	# 91

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

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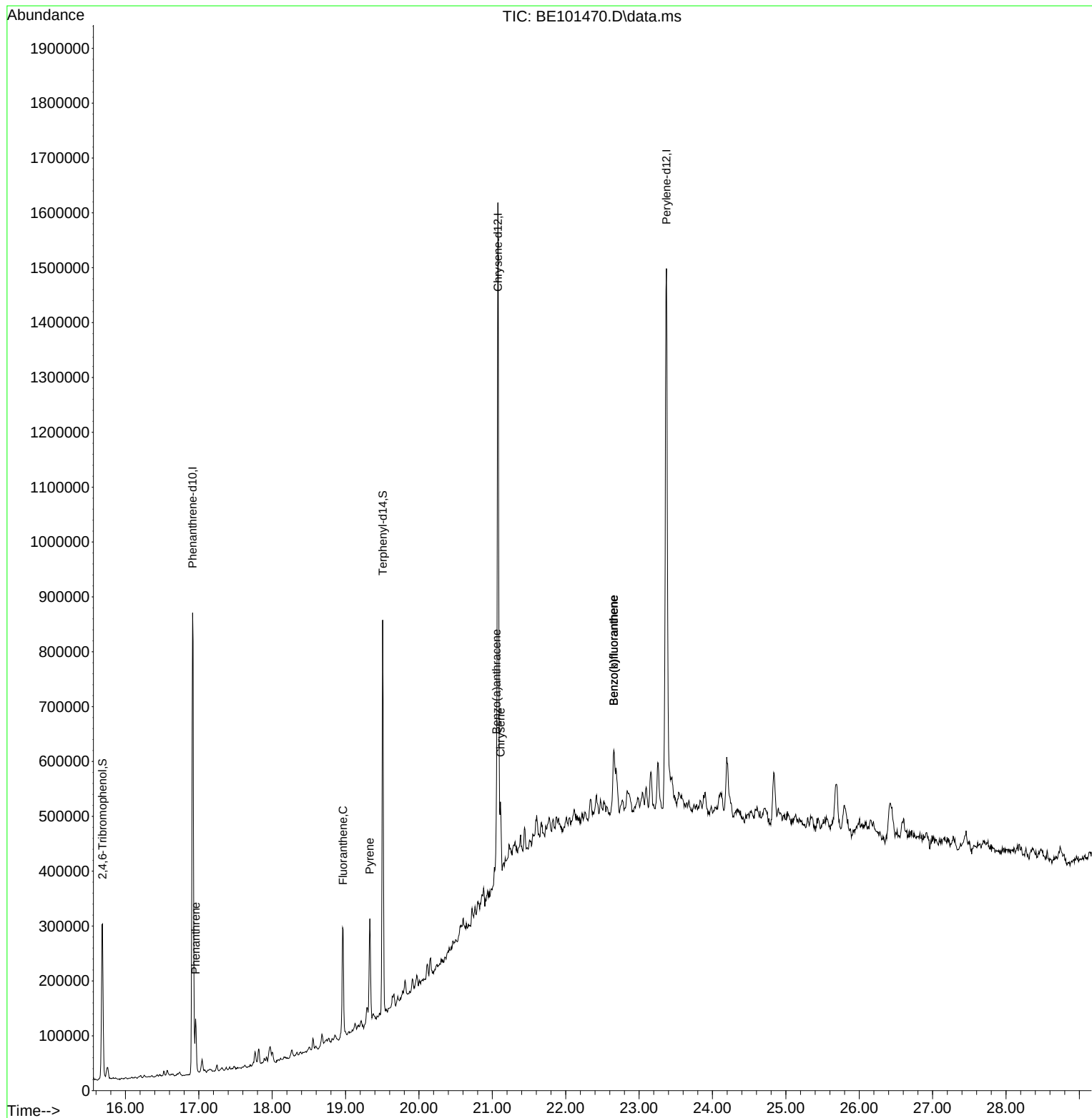
Quant Time: Nov 05 00:07:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

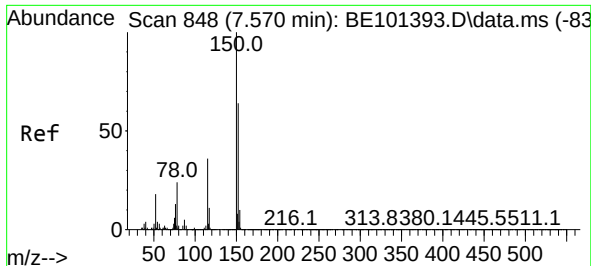


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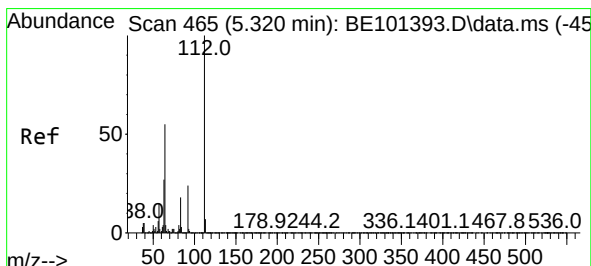
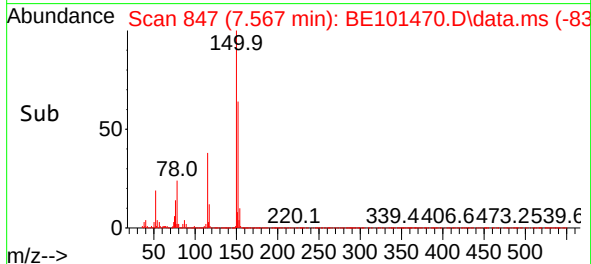
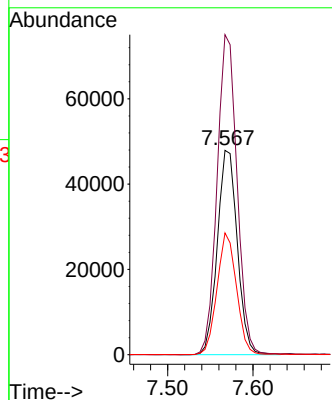
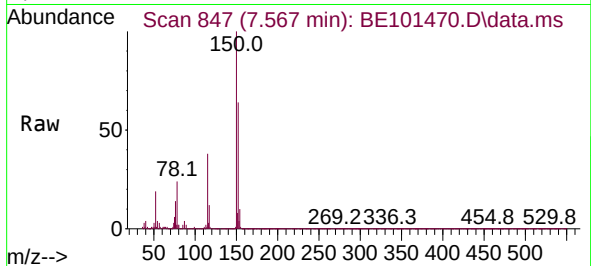




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.567 min Scan# 848
 Delta R.T. -0.003 min
 Lab File: BE101470.D
 Acq: 4 Nov 2024 00:01

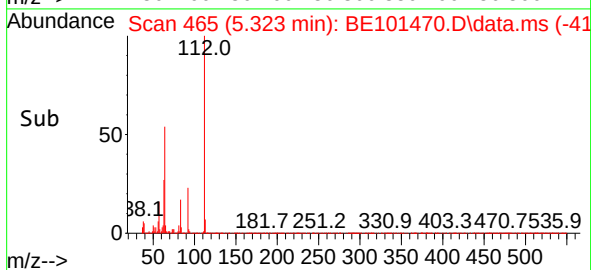
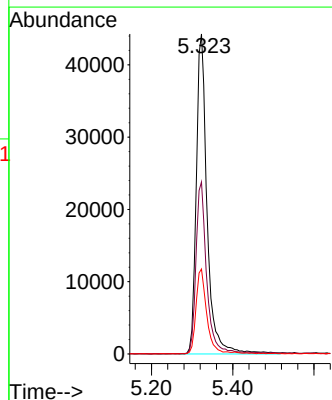
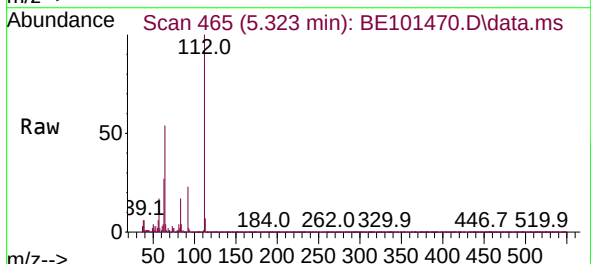
Instrument :
 BNA_E
 ClientSampleId :
 MH-1

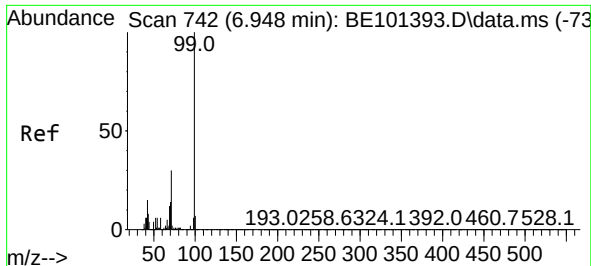
Tgt Ion:152 Resp: 78112
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.2 186.4
 115 59.6 45.3 67.9



#5
 2-Fluorophenol
 Concen: 18.481 ng
 RT: 5.323 min Scan# 465
 Delta R.T. 0.003 min
 Lab File: BE101470.D
 Acq: 4 Nov 2024 00:01

Tgt Ion:112 Resp: 82365
 Ion Ratio Lower Upper
 112 100
 64 53.7 43.7 65.5
 63 26.6 21.4 32.2

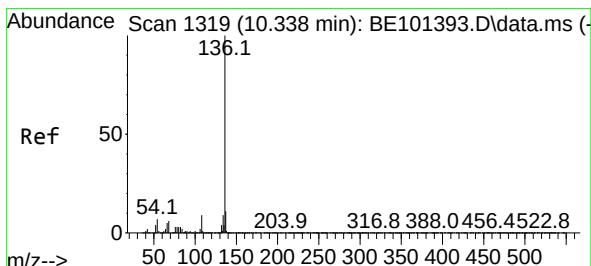
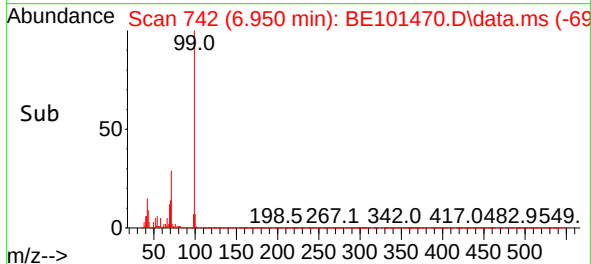
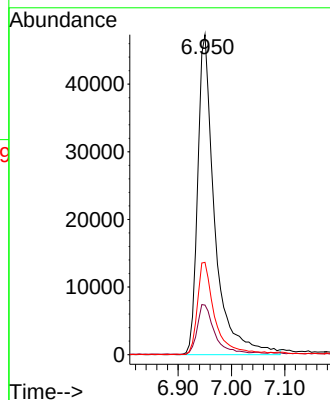
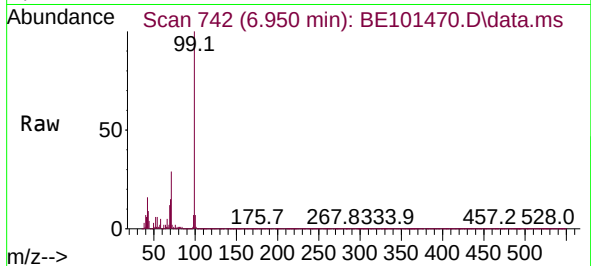




#7
Phenol-d6
Concen: 16.991 ng
RT: 6.950 min Scan# 742
Delta R.T. 0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

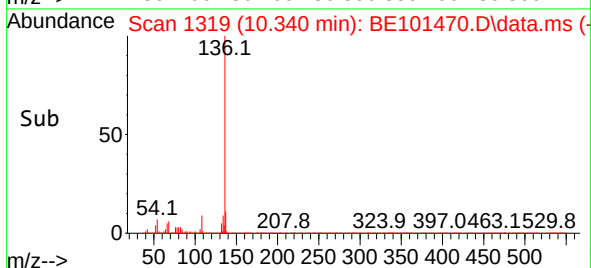
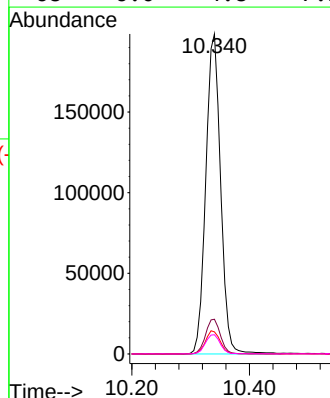
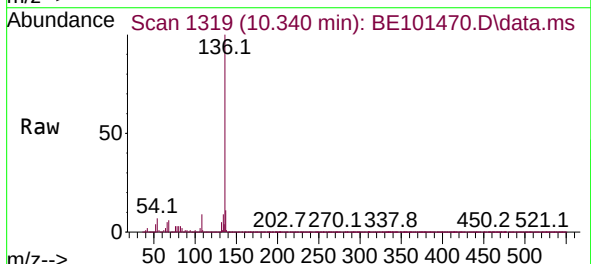
Instrument :
BNA_E
ClientSampleId :
MH-1

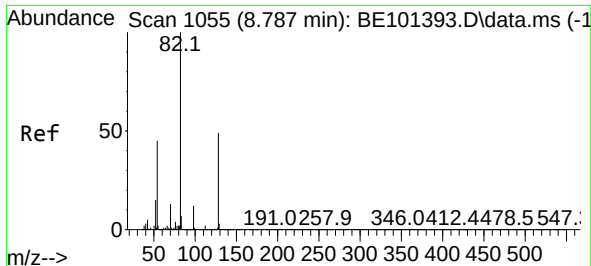
Tgt Ion: 99 Resp: 105000
Ion Ratio Lower Upper
99 100
42 15.5 12.3 18.5
71 28.9 23.8 35.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

Tgt Ion:136 Resp: 346651
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 6.9 5.9 8.9
68 6.0 4.8 7.2

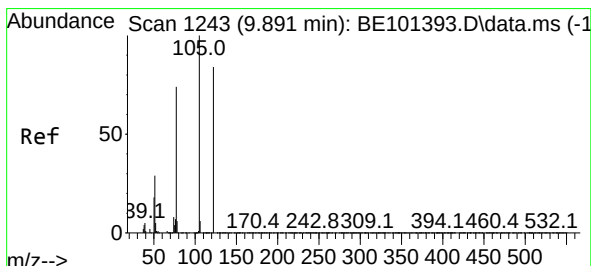
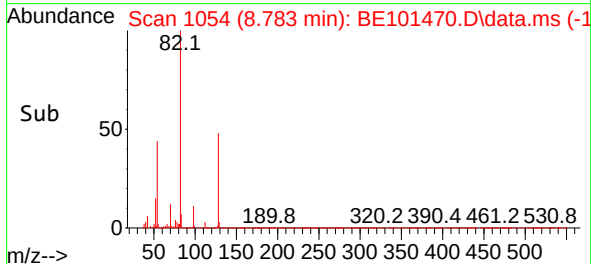
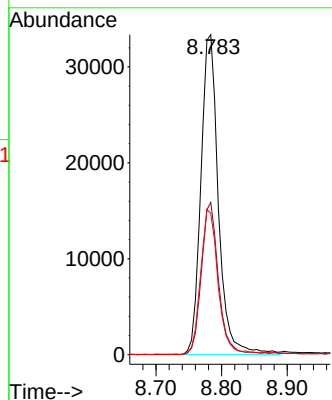
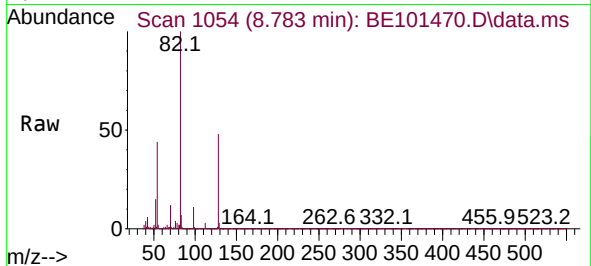




#23
Nitrobenzene-d5
Concen: 11.220 ng
RT: 8.783 min Scan# 1054
Delta R.T. -0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

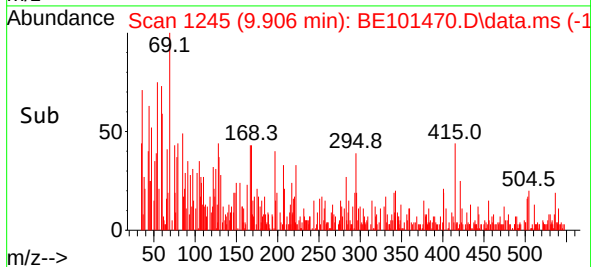
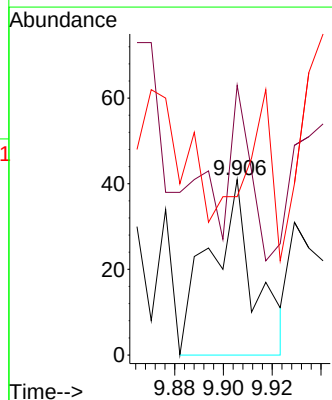
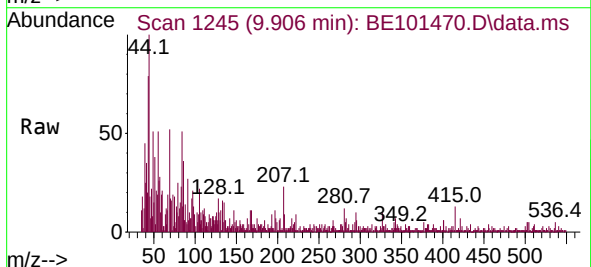
Instrument :
BNA_E
ClientSampleId :
MH-1

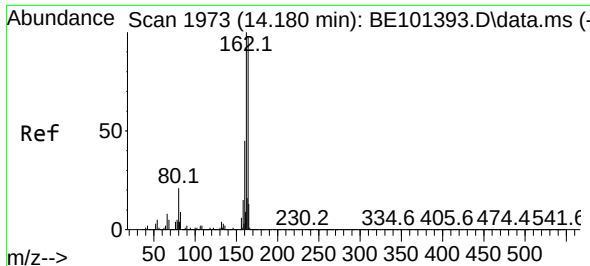
Tgt Ion: 82 Resp: 61924
Ion Ratio Lower Upper
82 100
128 47.5 38.9 58.3
54 44.1 36.2 54.4



#32
Benzoic acid
Concen: 8.227 ng
RT: 9.906 min Scan# 1245
Delta R.T. 0.015 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

Tgt Ion: 122 Resp: 52
Ion Ratio Lower Upper
122 100
105 153.7 97.9 137.9
77 90.2 68.1 108.1

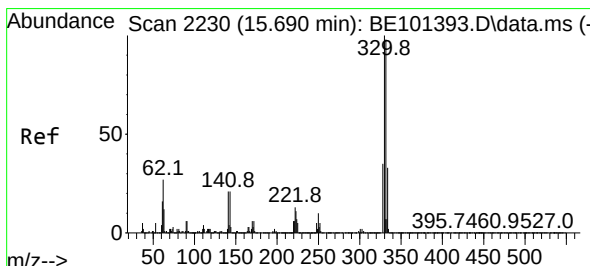
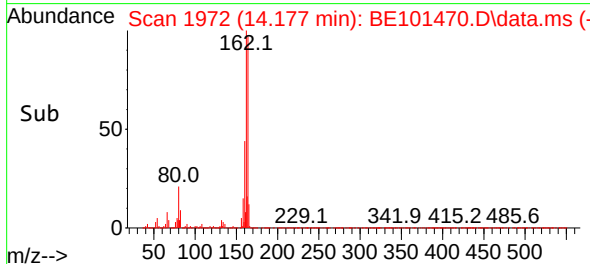
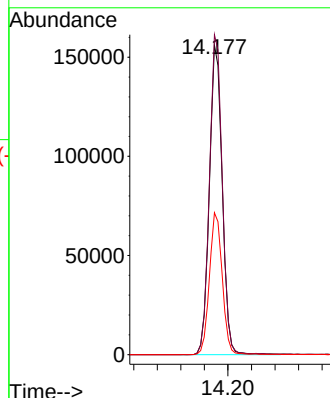
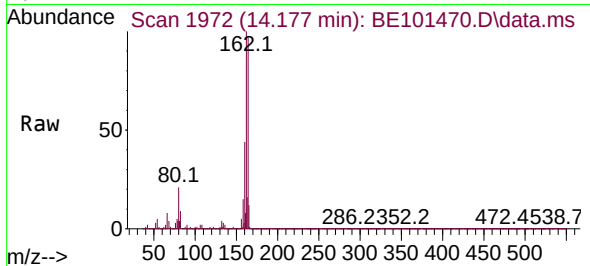




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.177 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

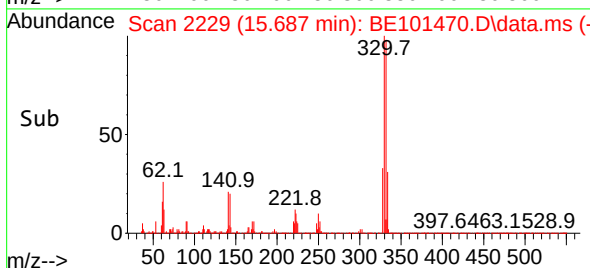
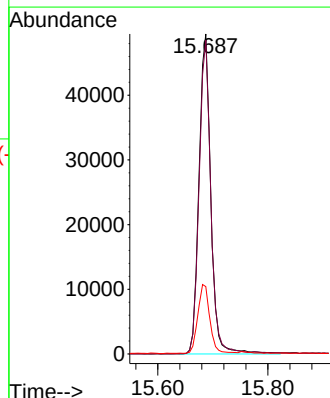
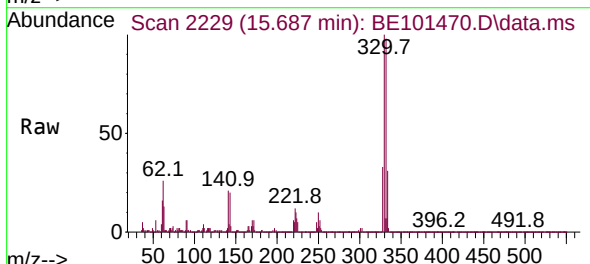
Instrument :
BNA_E
ClientSampleId :
MH-1

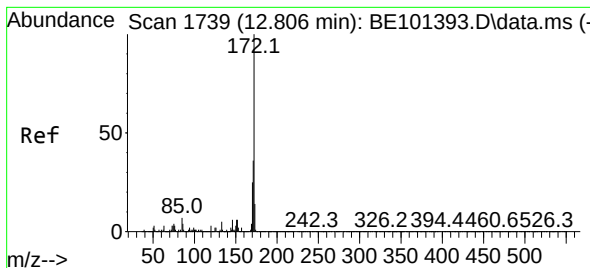
Tgt Ion:164 Resp: 236260
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 45.8 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 17.824 ng
RT: 15.687 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

Tgt Ion:330 Resp: 73806
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.2
141 21.7 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 12.714 ng

RT: 12.802 min Scan# 1

Delta R.T. -0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

Instrument :

BNA_E

ClientSampleId :

MH-1

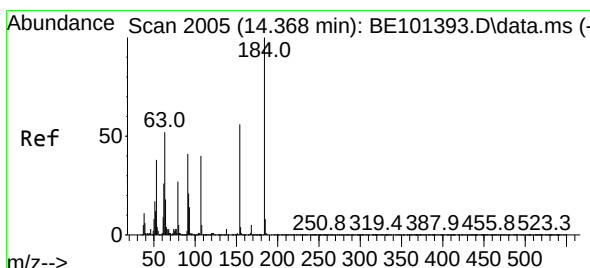
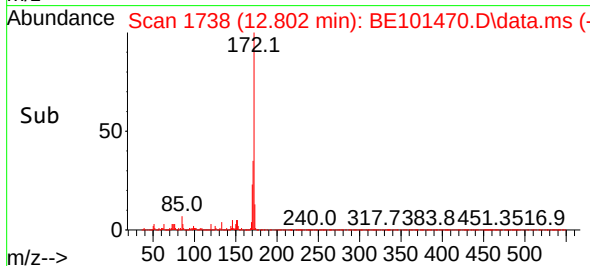
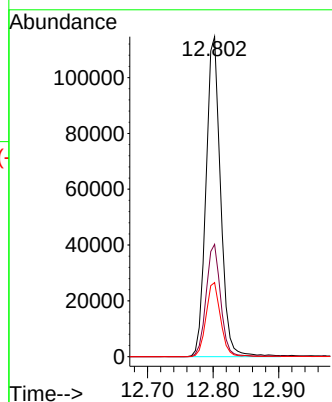
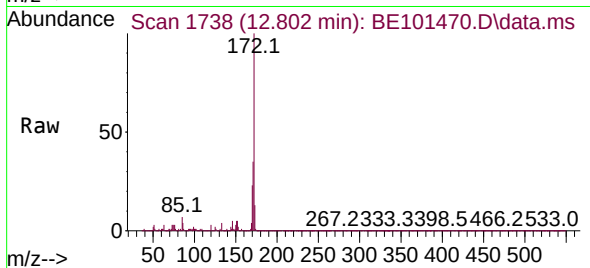
Tgt Ion:172 Resp: 177366

Ion Ratio Lower Upper

172 100

171 35.1 29.2 43.8

170 23.2 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.625 ng

RT: 14.365 min Scan# 2004

Delta R.T. -0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

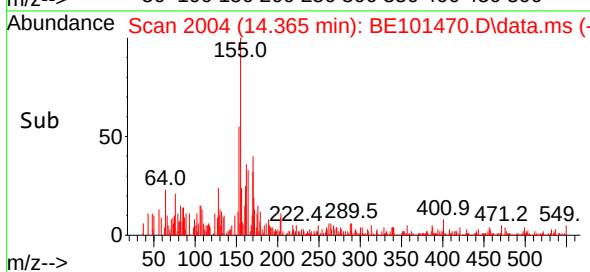
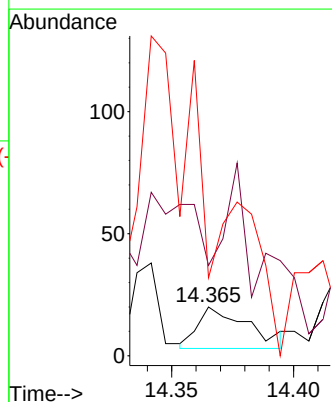
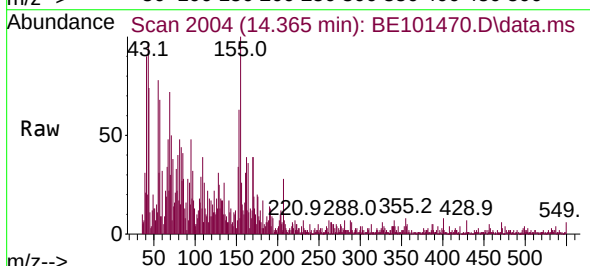
Tgt Ion:184 Resp: 24

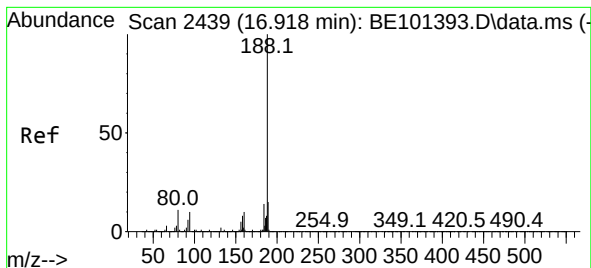
Ion Ratio Lower Upper

184 100

63 185.0 41.8 62.6#

154 160.0 44.9 67.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.915 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

Instrument :

BNA_E

ClientSampleId :

MH-1

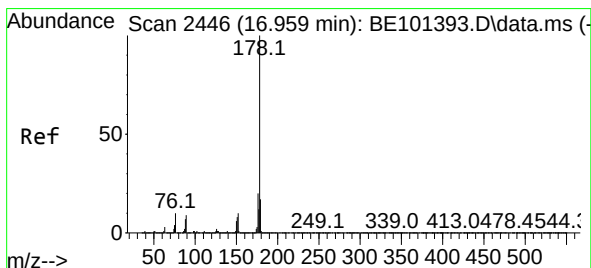
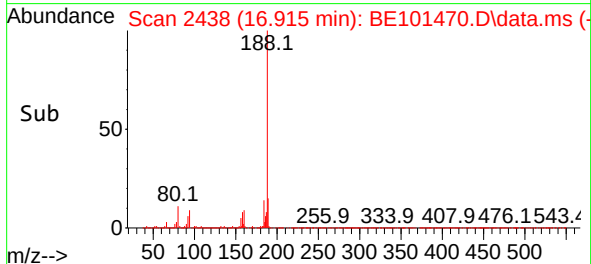
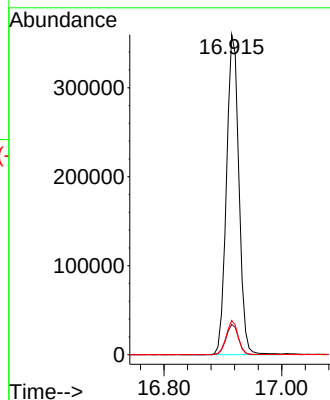
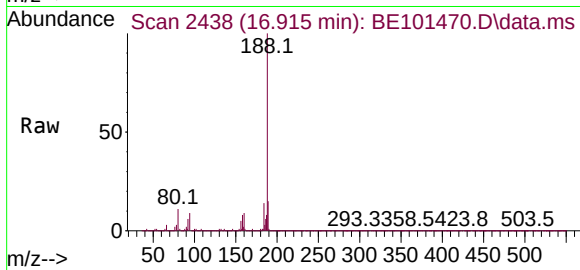
Tgt Ion:188 Resp: 525960

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.8

80 10.7 8.6 12.8



#71

Phenanthrene

Concen: 2.266 ng

RT: 16.956 min Scan# 2445

Delta R.T. -0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

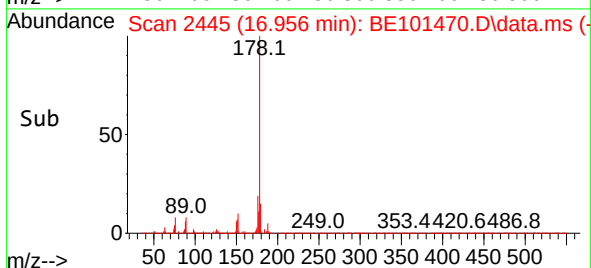
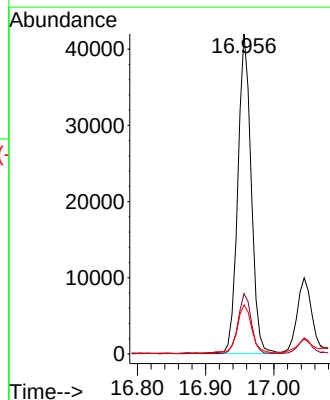
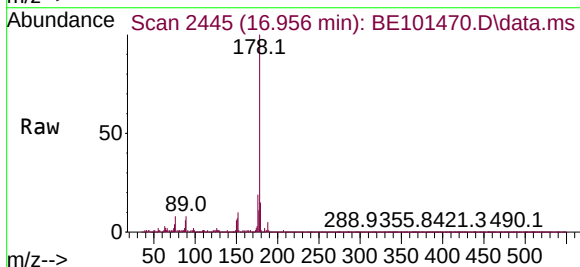
Tgt Ion:178 Resp: 57055

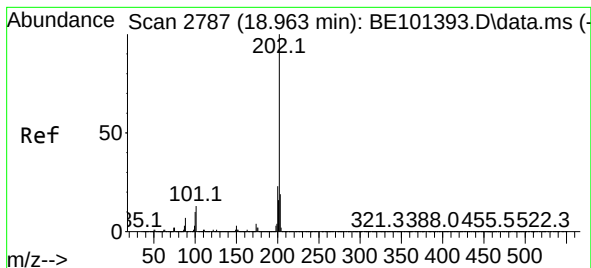
Ion Ratio Lower Upper

178 100

176 18.8 16.4 24.6

179 15.3 13.2 19.8





#75

Fluoranthene

Concen: 3.723 ng

RT: 18.966 min Scan# 21

Delta R.T. 0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

Instrument :

BNA_E

ClientSampleId :

MH-1

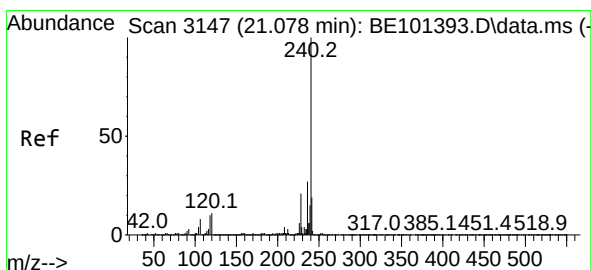
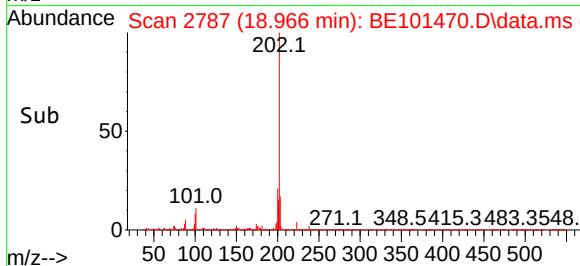
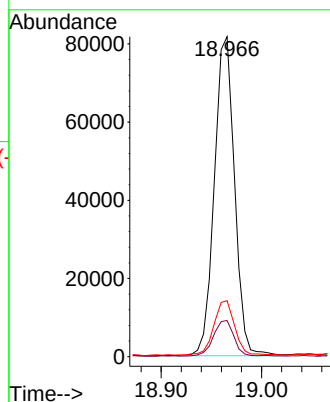
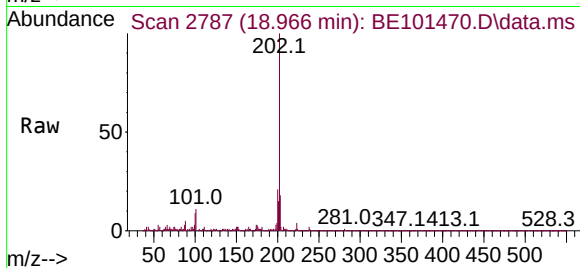
Tgt Ion:202 Resp: 113860

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.3

203 17.5 0.0 39.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.075 min Scan# 3146

Delta R.T. -0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

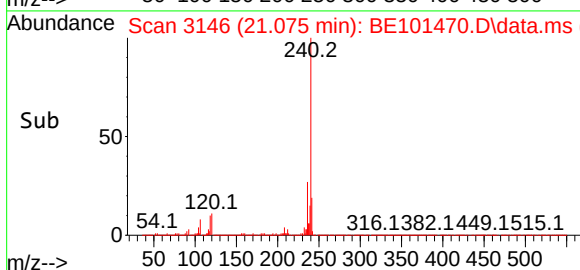
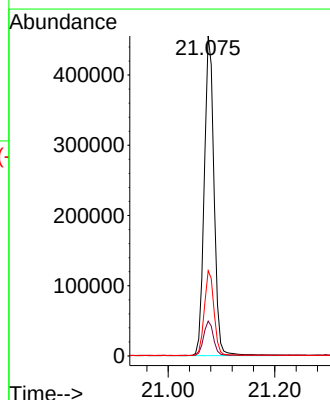
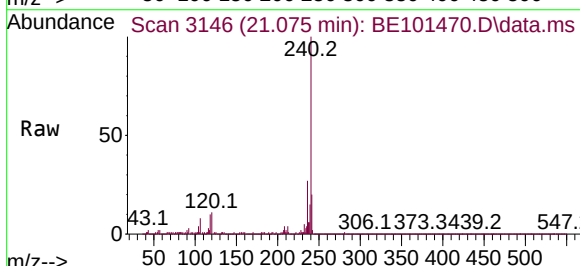
Tgt Ion:240 Resp: 578212

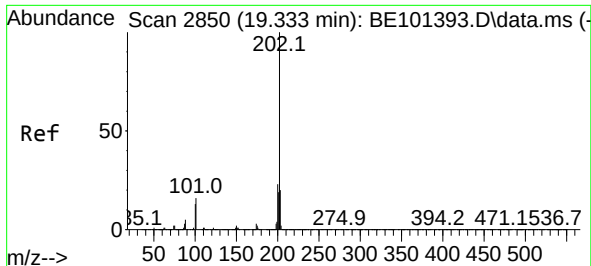
Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

236 26.6 21.4 32.0

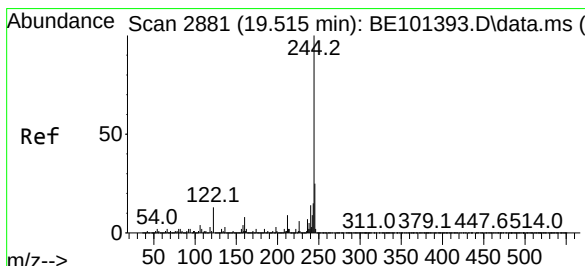
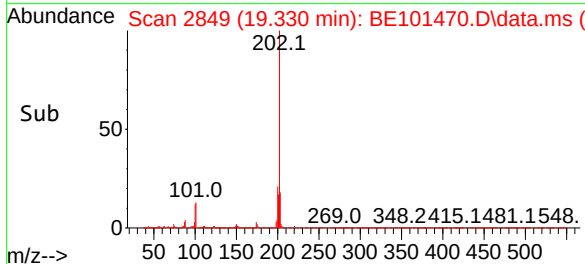
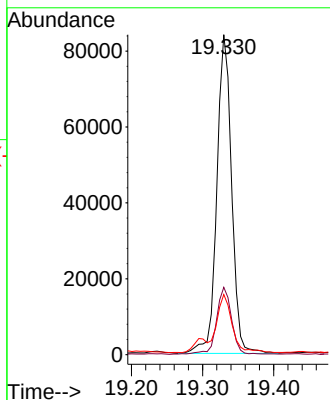
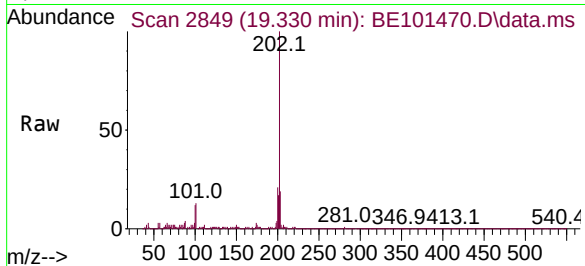




#78
Pyrene
Concen: 3.808 ng
RT: 19.330 min Scan# 2850
Delta R.T. -0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

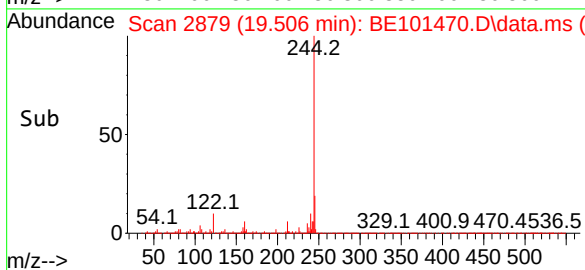
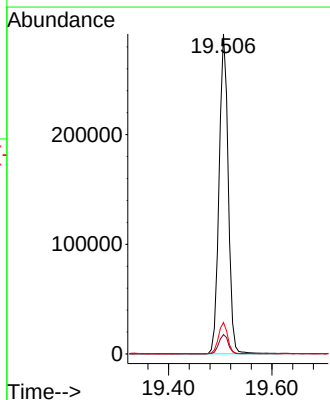
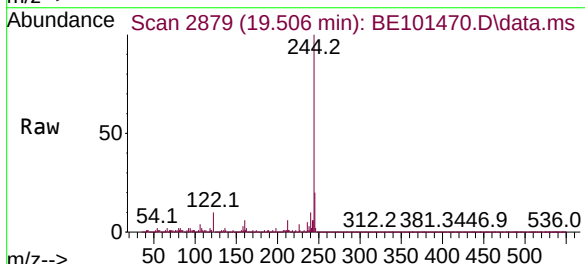
Instrument :
BNA_E
ClientSampleId :
MH-1

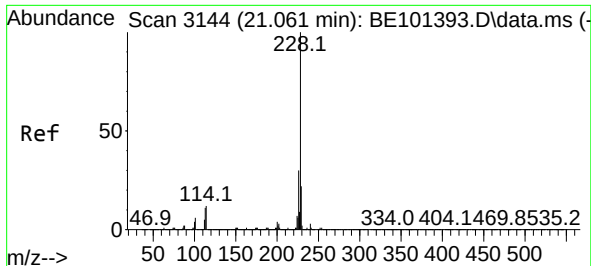
Tgt Ion:202 Resp: 121091
Ion Ratio Lower Upper
202 100
200 21.1 18.6 28.0
203 18.8 15.6 23.4



#79
Terphenyl-d14
Concen: 14.234 ng
RT: 19.506 min Scan# 2879
Delta R.T. -0.009 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

Tgt Ion:244 Resp: 357596
Ion Ratio Lower Upper
244 100
212 6.1 7.2 10.8#
122 9.9 10.4 15.6#

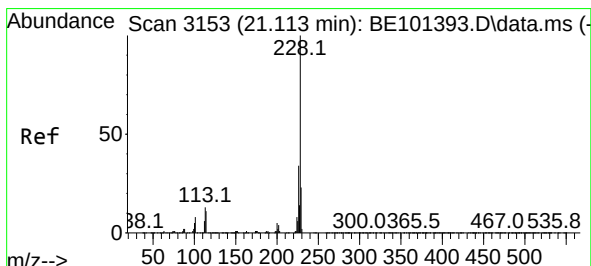
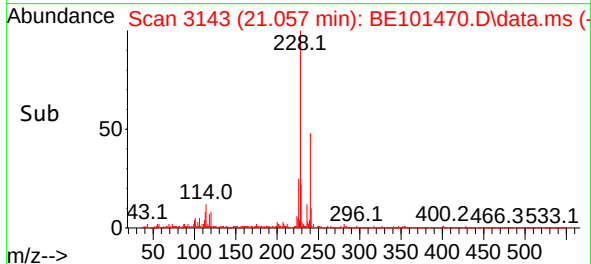
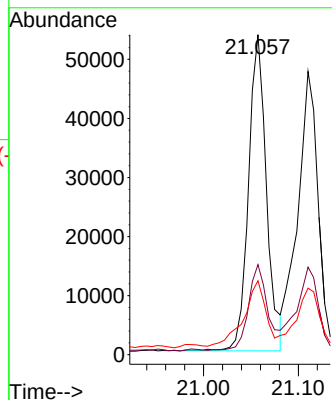
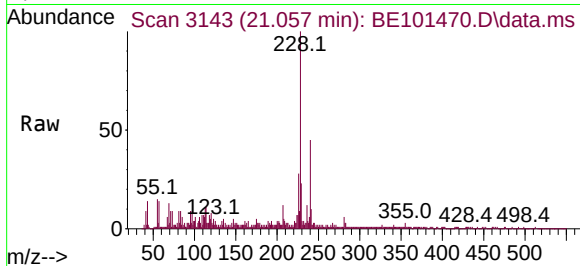




#81
Benzo(a)anthracene
Concen: 2.167 ng
RT: 21.057 min Scan# 3143
Delta R.T. -0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

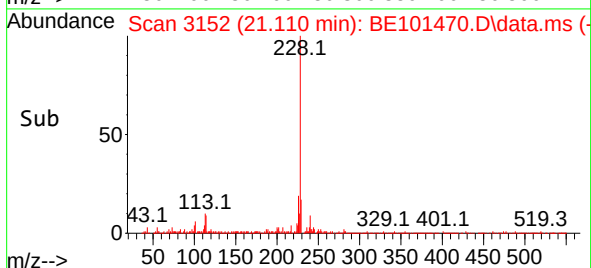
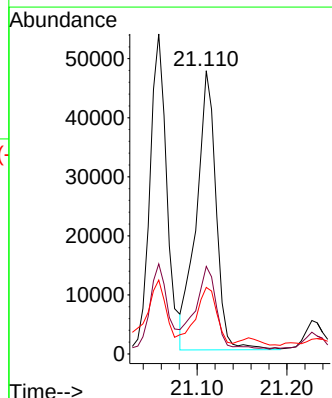
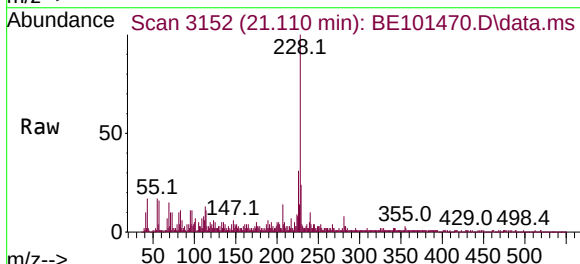
Instrument :
BNA_E
ClientSampleId :
MH-1

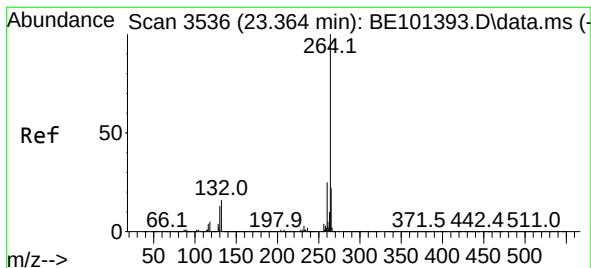
Tgt Ion:228 Resp: 70428
Ion Ratio Lower Upper
228 100
226 28.1 24.1 36.1
229 23.1 17.3 25.9



#83
Chrysene
Concen: 2.297 ng
RT: 21.110 min Scan# 3152
Delta R.T. -0.003 min
Lab File: BE101470.D
Acq: 4 Nov 2024 00:01

Tgt Ion:228 Resp: 72166
Ion Ratio Lower Upper
228 100
226 30.9 27.2 40.8
229 23.5 18.0 27.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.372 min Scan# 3

Delta R.T. 0.008 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

Instrument :

BNA_E

ClientSampleId :

MH-1

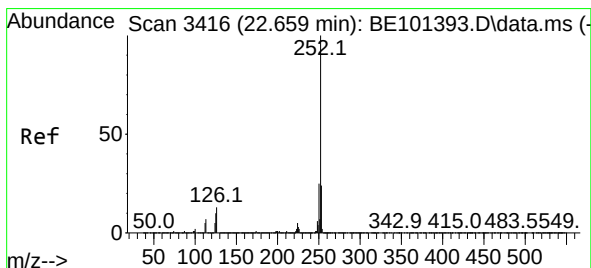
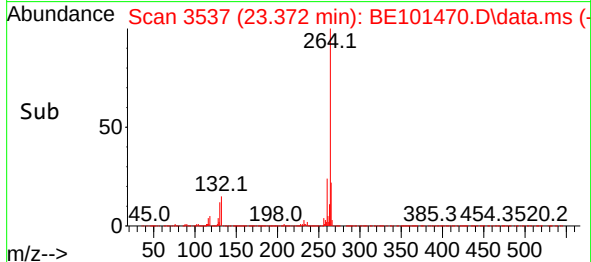
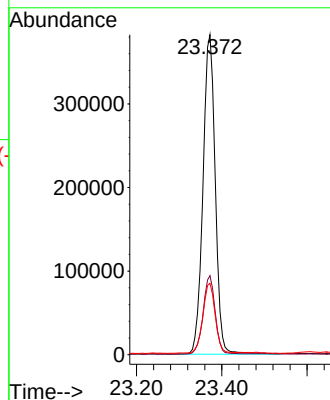
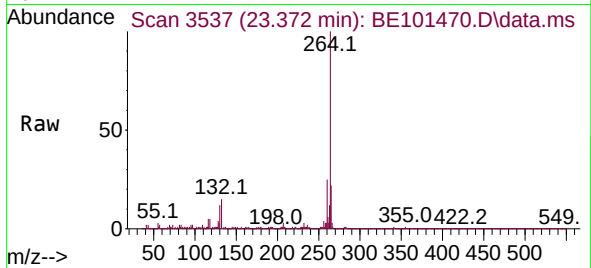
Tgt Ion:264 Resp: 764878

Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

265 22.3 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.113 ng

RT: 22.655 min Scan# 3415

Delta R.T. -0.003 min

Lab File: BE101470.D

Acq: 4 Nov 2024 00:01

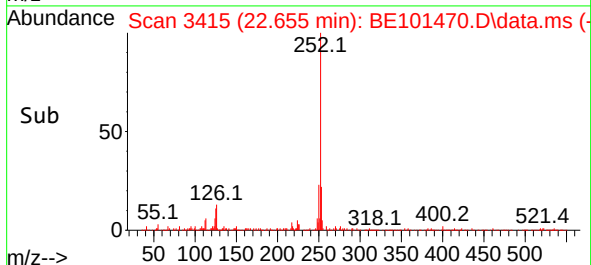
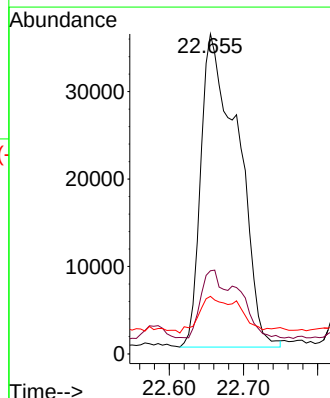
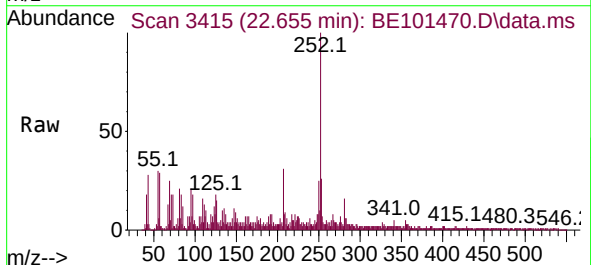
Tgt Ion:252 Resp: 124081

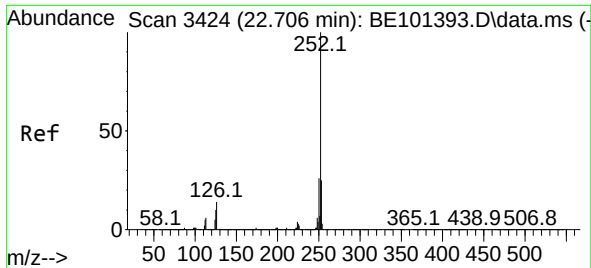
Ion Ratio Lower Upper

252 100

253 26.0 19.0 28.6

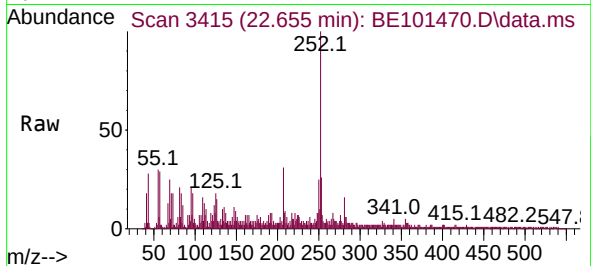
125 18.0 8.2 12.2#





#89
 Benzo(k)fluoranthene
 Concen: 3.332 ng
 RT: 22.655 min Scan# 34
 Delta R.T. -0.050 min
 Lab File: BE101470.D
 Acq: 4 Nov 2024 00:01

Instrument :
 BNA_E
 ClientSampleId :
 MH-1



Tgt Ion:252 Resp: 124081
 Ion Ratio Lower Upper
 252 100
 253 26.0 19.4 29.2
 125 18.0 8.2 12.2#

