

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110124\
 Data File : BE101450.D
 Acq On : 1 Nov 2024 15:45
 Operator : RC/JU
 Sample : P4663-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 01 17:22:19 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)

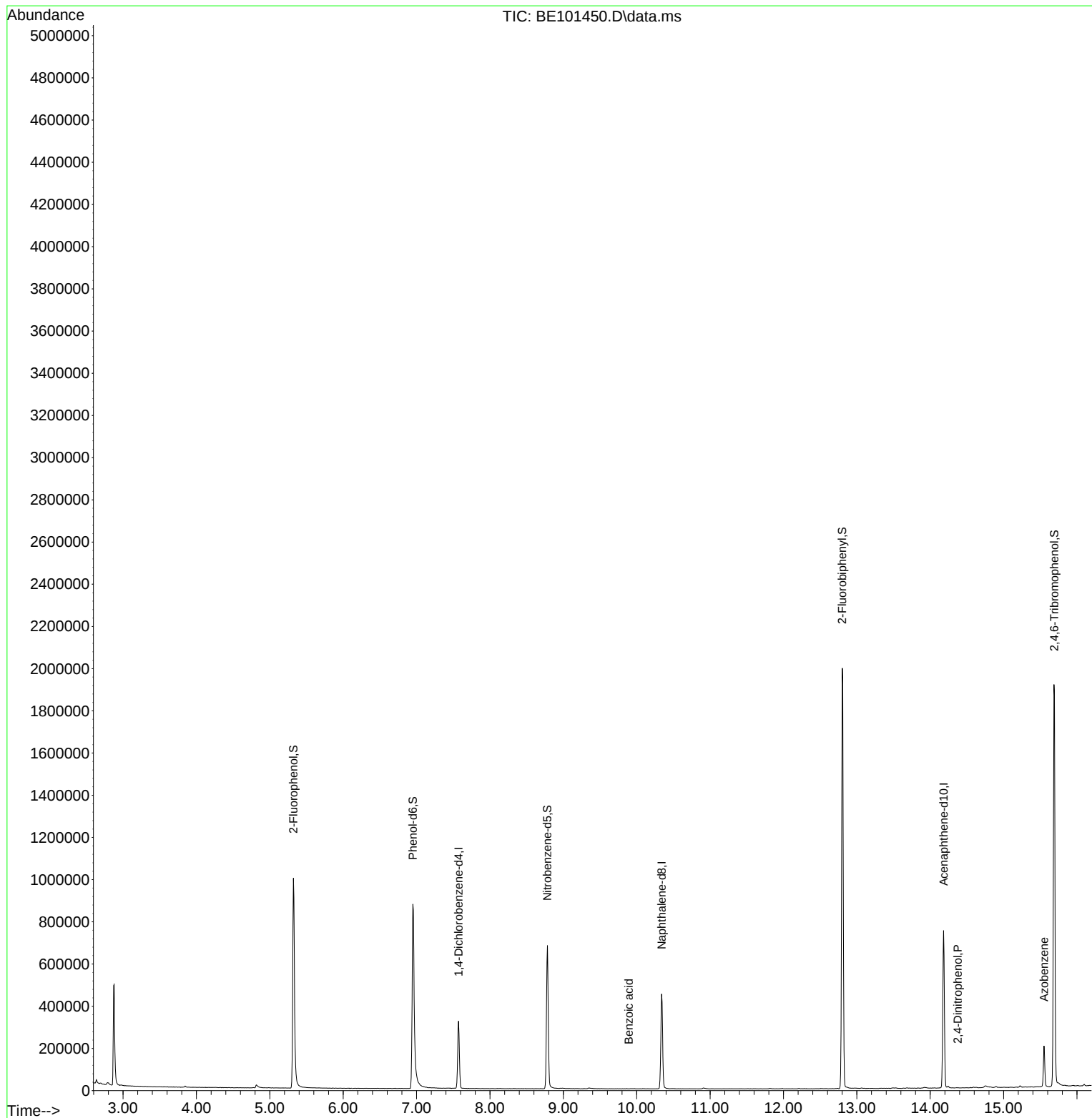
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.573	152	90671	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	396894	20.000	ng	0.00
39) Acenaphthene-d10	14.182	164	265226	20.000	ng	0.00
64) Phenanthrene-d10	16.920	188	598076	20.000	ng	0.00
76) Chrysene-d12	21.080	240	668565	20.000	ng	0.00
86) Perylene-d12	23.378	264	876363	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	536510	103.707	ng	0.00
7) Phenol-d6	6.950	99	708836	98.815	ng	0.00
23) Nitrobenzene-d5	8.783	82	408608	64.663	ng	0.00
42) 2,4,6-Tribromophenol	15.692	330	468925	100.875	ng	0.00
45) 2-Fluorobiphenyl	12.802	172	1073639	68.555	ng	0.00
79) Terphenyl-d14	19.517	244	2147495	73.928	ng	0.00
Target Compounds					Qvalue	
32) Benzoic acid	9.893	122	30	8.221	ng	# 48
54) 2,4-Dinitrophenol	14.376	184	19	5.622	ng	# 1
63) Azobenzene	15.551	77	50393	2.994	ng	# 1
71) Phenanthrene	16.962	178	63526	2.218	ng	98
75) Fluoranthene	18.965	202	169582	4.876	ng	96
78) Pyrene	19.335	202	156114	4.246	ng	96
81) Benzo(a)anthracene	21.063	228	96709	2.574	ng	97
83) Chrysene	21.116	228	102572	2.823	ng	97
88) Benzo(b)fluoranthene	22.661	252	220497	4.828	ng	# 93
89) Benzo(k)fluoranthene	22.661	252	220497	5.168	ng	# 93
90) Benzo(a)pyrene	23.266	252	107140	2.682	ng	# 90

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

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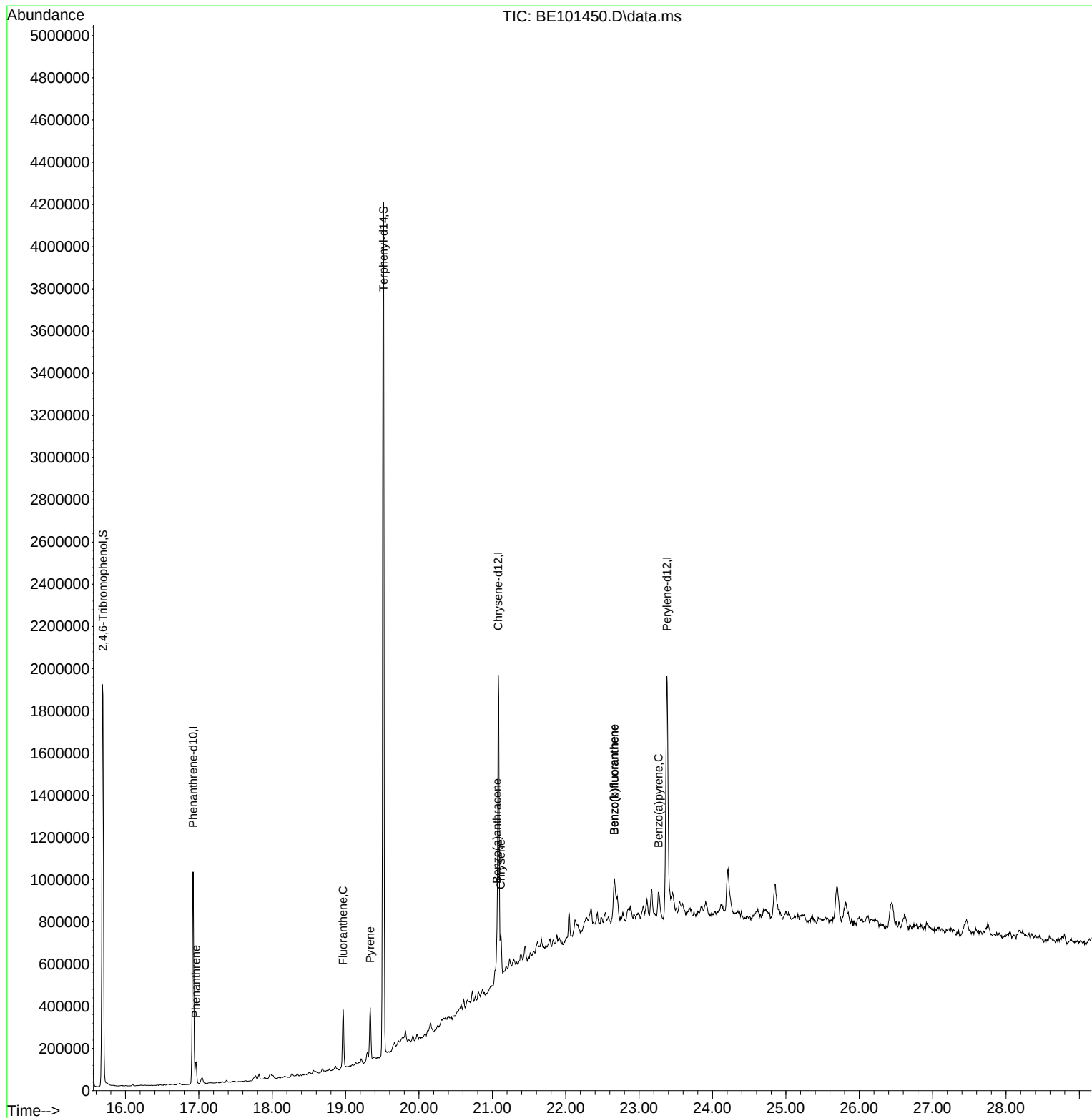
Quant Time: Nov 01 17:22:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

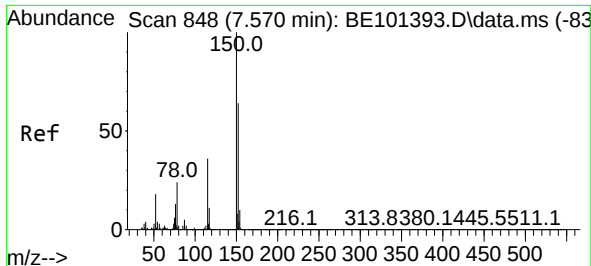


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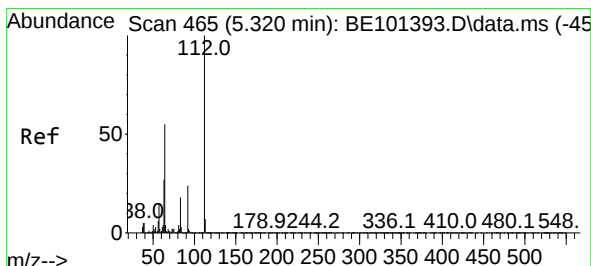
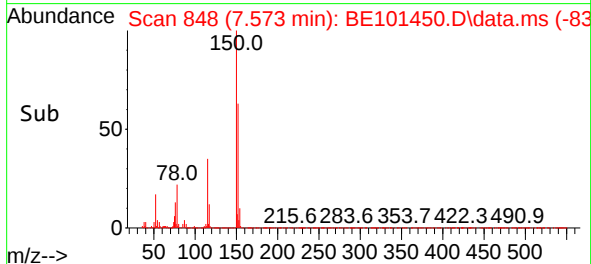
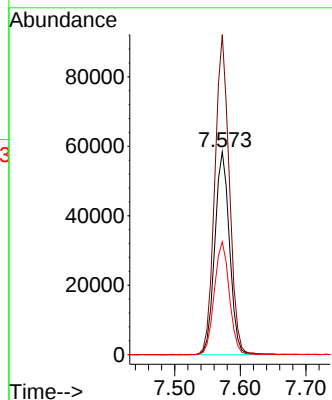
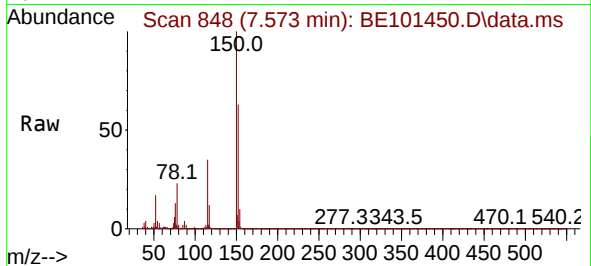




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.573 min Scan# 848
Delta R.T. 0.003 min
Lab File: BE101450.D
Acq: 1 Nov 2024 15:45

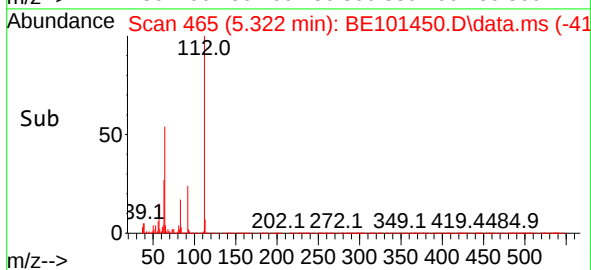
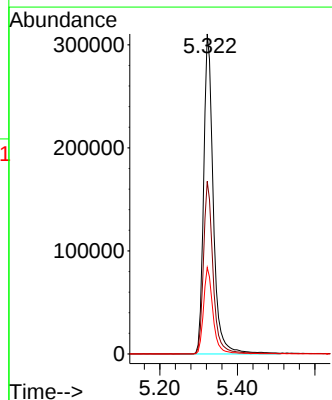
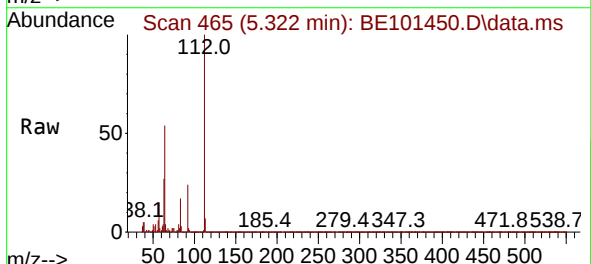
Instrument :
BNA_E
ClientSampleId :

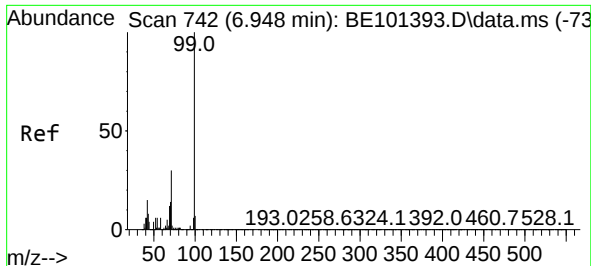
Tgt Ion:152 Resp: 90671
Ion Ratio Lower Upper
152 100
150 157.8 124.2 186.4
115 55.6 45.3 67.9



#5
2-Fluorophenol
Concen: 103.707 ng
RT: 5.322 min Scan# 465
Delta R.T. 0.002 min
Lab File: BE101450.D
Acq: 1 Nov 2024 15:45

Tgt Ion:112 Resp: 536510
Ion Ratio Lower Upper
112 100
64 54.0 43.7 65.5
63 27.0 21.4 32.2

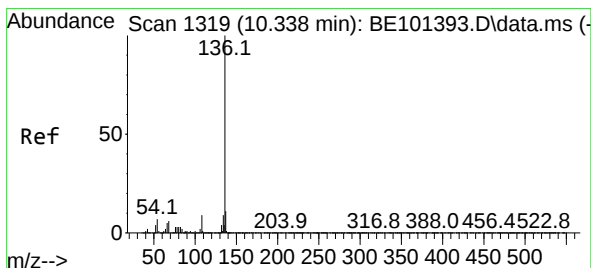
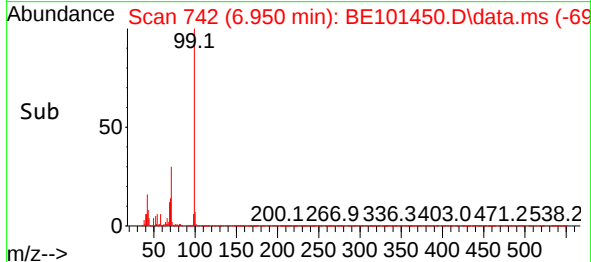
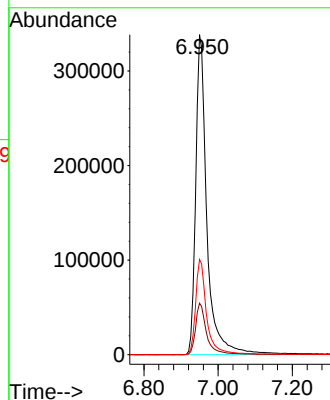
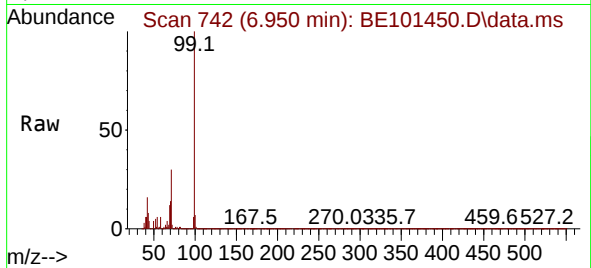




#7
Phenol-d6
Concen: 98.815 ng
RT: 6.950 min Scan# 742
Delta R.T. 0.002 min
Lab File: BE101450.D
Acq: 1 Nov 2024 15:45

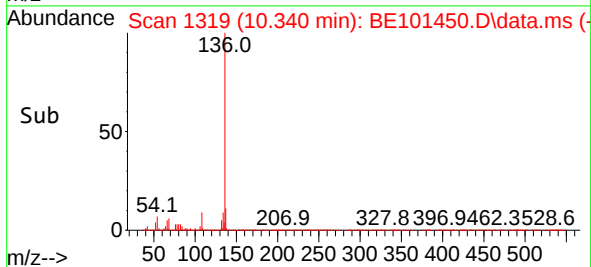
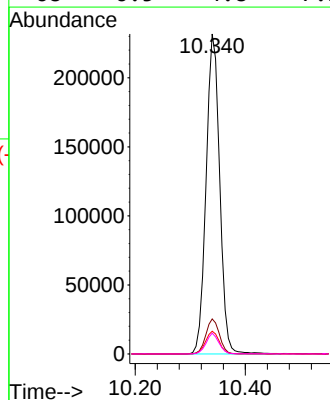
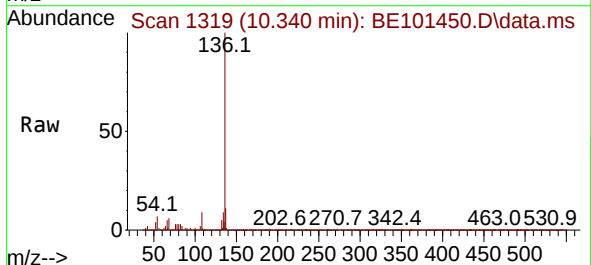
Instrument :
BNA_E
ClientSampleId :

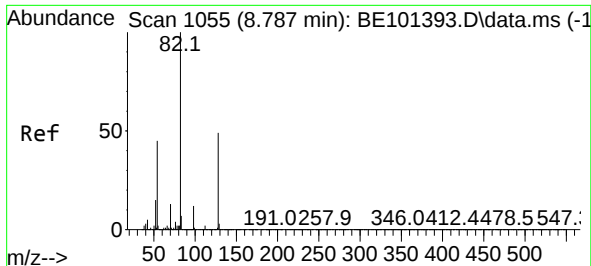
Tgt Ion: 99 Resp: 708836
Ion Ratio Lower Upper
99 100
42 16.1 12.3 18.5
71 29.8 23.8 35.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101450.D
Acq: 1 Nov 2024 15:45

Tgt Ion: 136 Resp: 396894
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 7.1 5.9 8.9
68 6.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 64.663 ng

RT: 8.783 min Scan# 1055

Delta R.T. -0.004 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

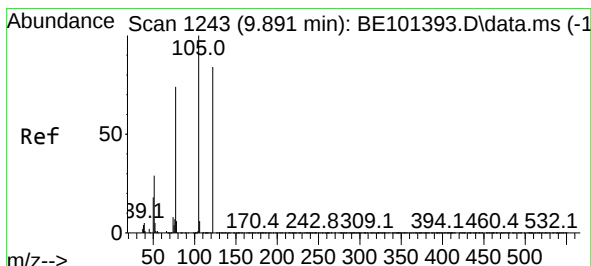
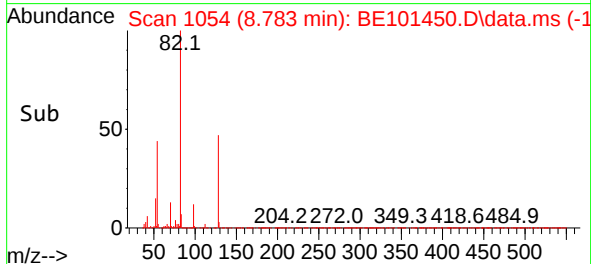
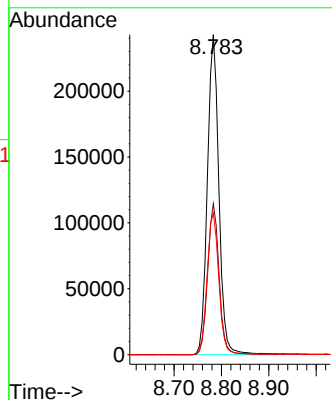
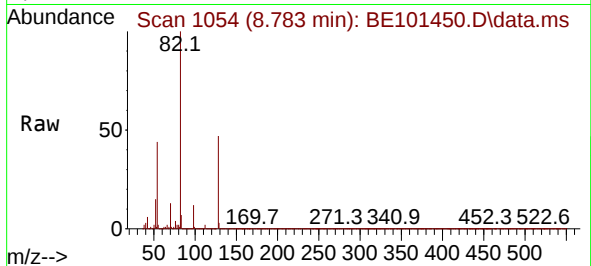
Tgt Ion: 82 Resp: 408608

Ion Ratio Lower Upper

82 100

128 47.2 38.9 58.3

54 44.3 36.2 54.4



#32

Benzoic acid

Concen: 8.221 ng

RT: 9.893 min Scan# 1243

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

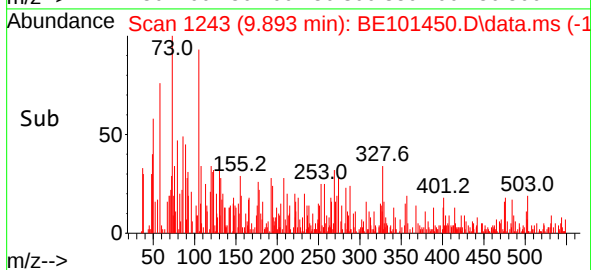
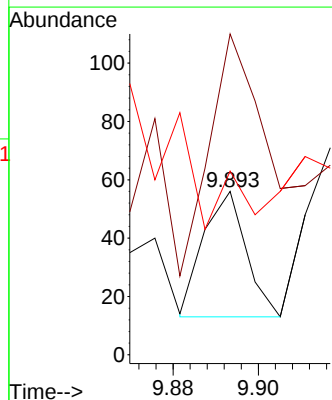
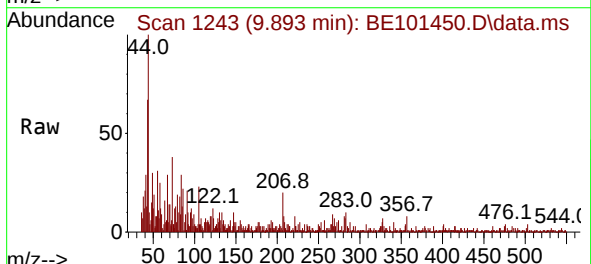
Tgt Ion:122 Resp: 30

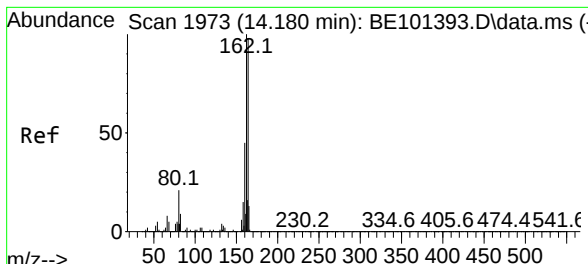
Ion Ratio Lower Upper

122 100

105 196.4 97.9 137.9#

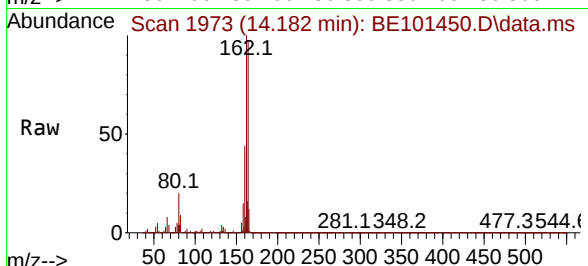
77 112.5 68.1 108.1#



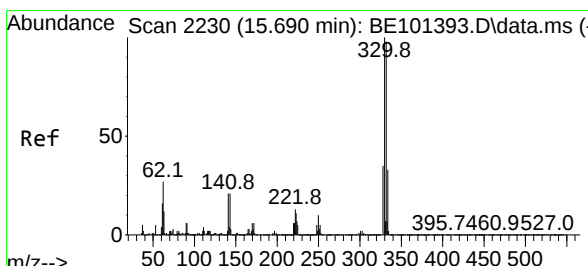
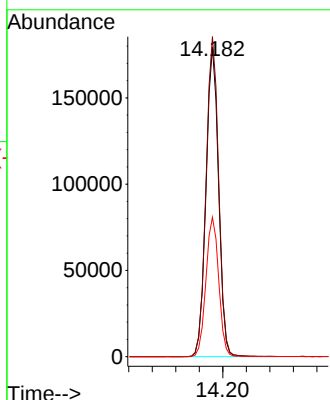
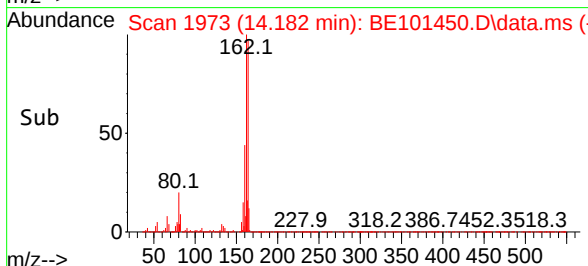


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.182 min Scan# 1973
Delta R.T. 0.002 min
Lab File: BE101450.D
Acq: 1 Nov 2024 15:45

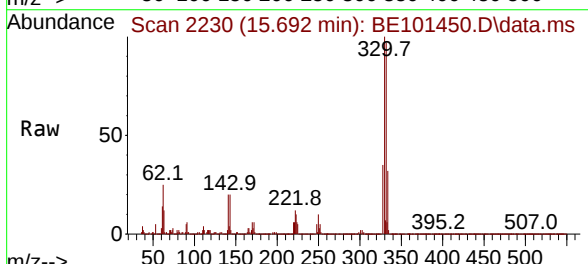
Instrument :
BNA_E
ClientSampleId :



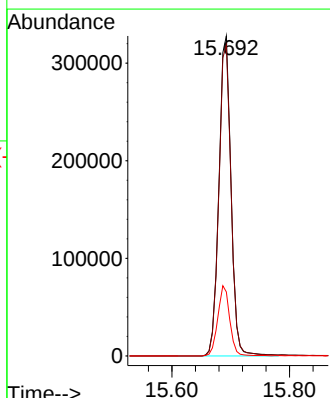
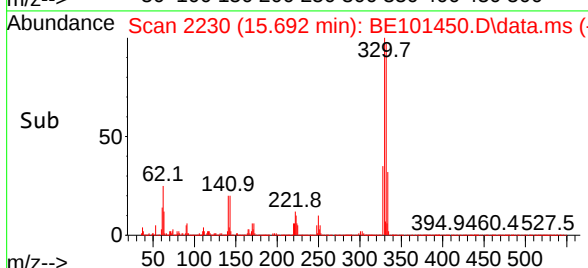
Tgt Ion:164 Resp: 265226
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 45.0 36.4 54.6

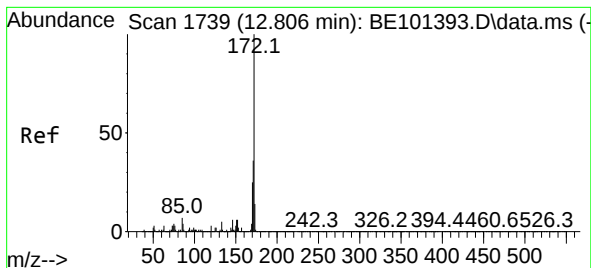


#42
2,4,6-Tribromophenol
Concen: 100.875 ng
RT: 15.692 min Scan# 2230
Delta R.T. 0.002 min
Lab File: BE101450.D
Acq: 1 Nov 2024 15:45



Tgt Ion:330 Resp: 468925
Ion Ratio Lower Upper
330 100
332 98.4 78.2 117.2
141 21.7 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 68.555 ng

RT: 12.802 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

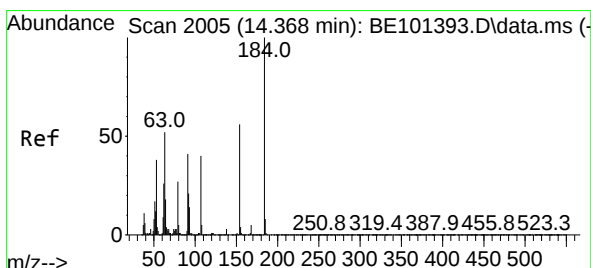
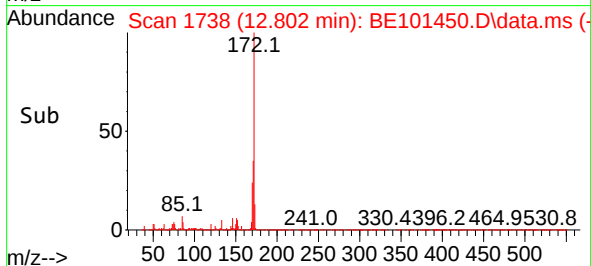
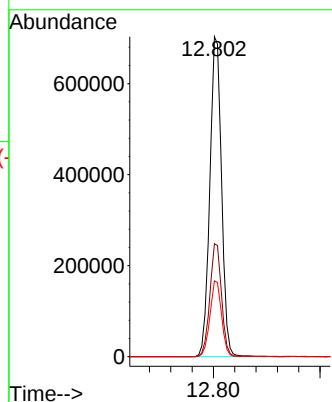
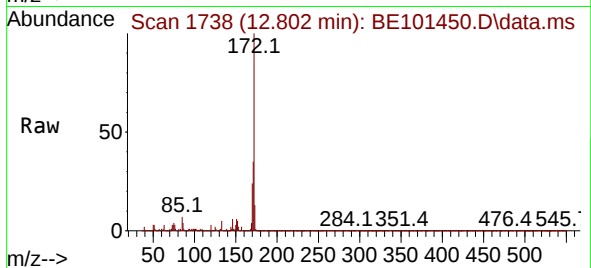
Tgt Ion:172 Resp: 1073639

Ion Ratio Lower Upper

172 100

171 35.3 29.2 43.8

170 23.7 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.622 ng

RT: 14.376 min Scan# 2006

Delta R.T. 0.008 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

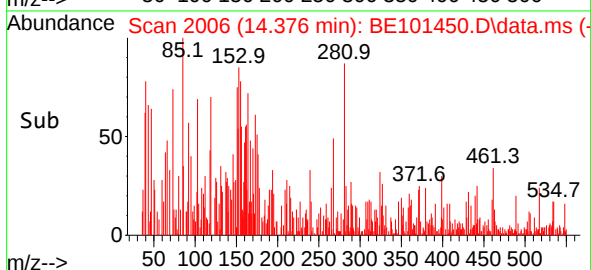
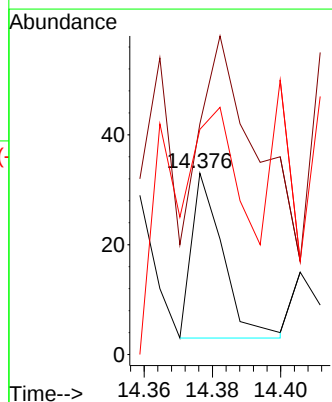
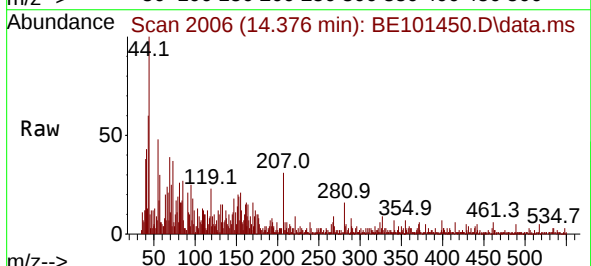
Tgt Ion:184 Resp: 19

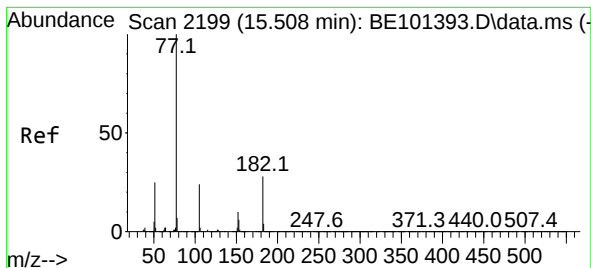
Ion Ratio Lower Upper

184 100

63 127.3 41.8 62.6#

154 124.2 44.9 67.3#





#63

Azobenzene

Concen: 2.994 ng

RT: 15.551 min Scan# 2199

Delta R.T. 0.043 min

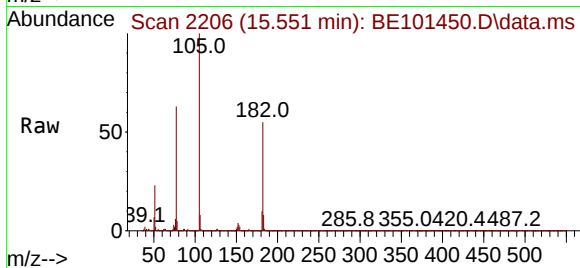
Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 77 Resp: 50393

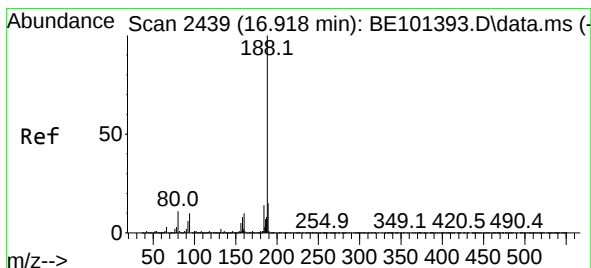
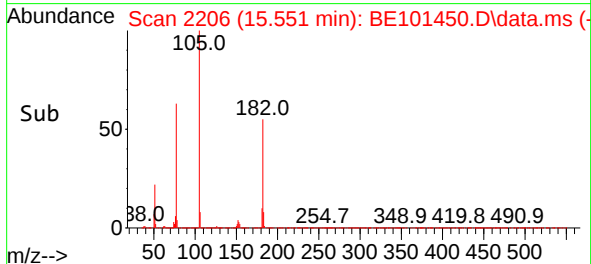
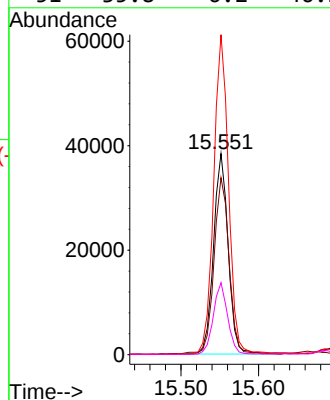
Ion Ratio Lower Upper

77 100

182 88.0 7.6 47.6#

105 159.1 3.2 43.2#

51 35.8 6.2 46.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.920 min Scan# 2439

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

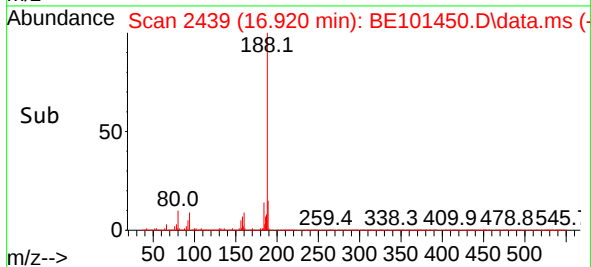
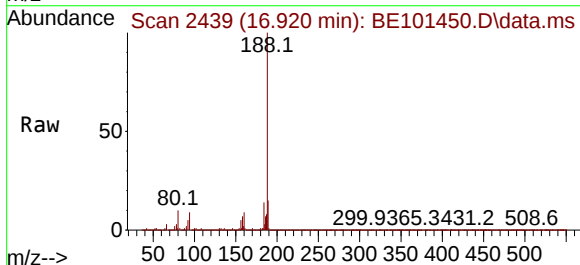
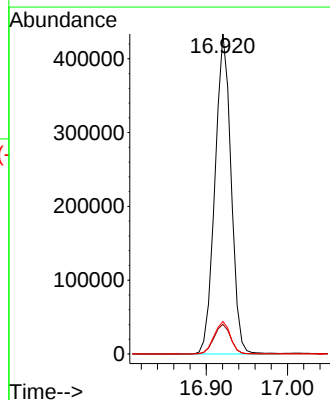
Tgt Ion:188 Resp: 598076

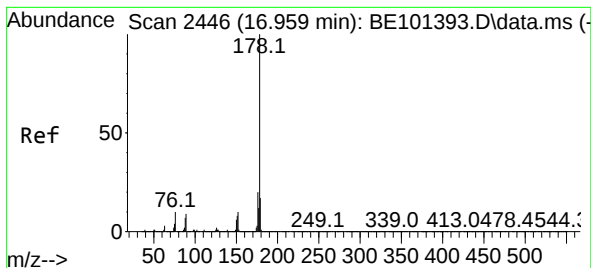
Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.8

80 10.2 8.6 12.8





#71

Phenanthrene

Concen: 2.218 ng

RT: 16.962 min Scan# 2446

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

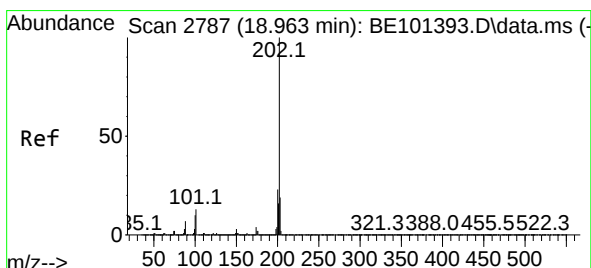
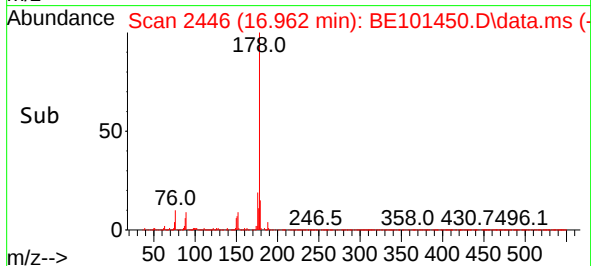
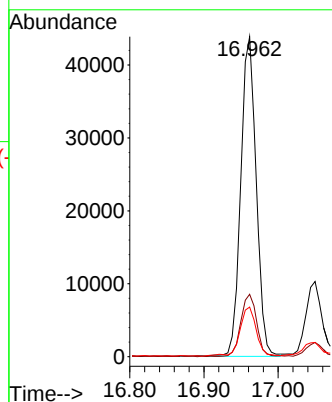
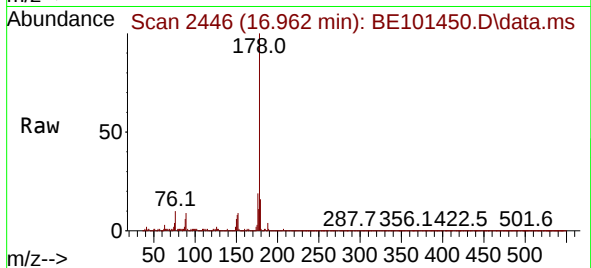
Tgt Ion:178 Resp: 63526

Ion Ratio Lower Upper

178 100

176 19.5 16.4 24.6

179 15.5 13.2 19.8



#75

Fluoranthene

Concen: 4.876 ng

RT: 18.965 min Scan# 2787

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

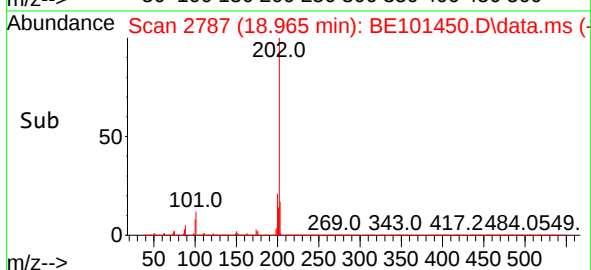
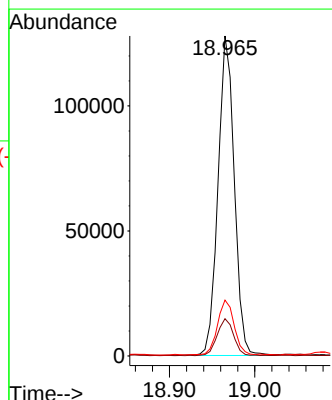
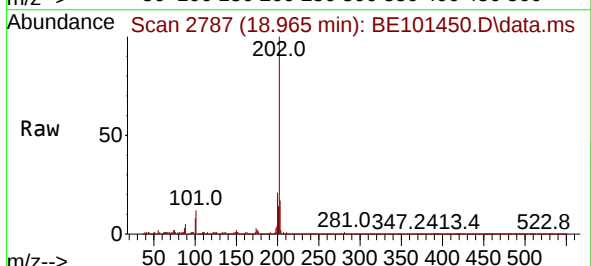
Tgt Ion:202 Resp: 169582

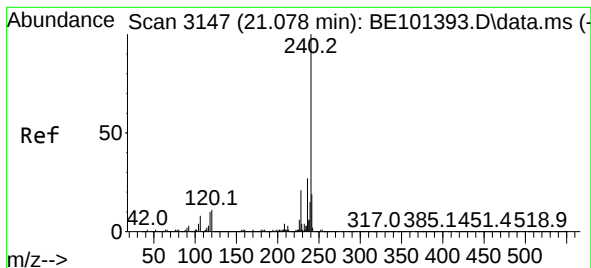
Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.3

203 17.4 0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.080 min Scan# 3147

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

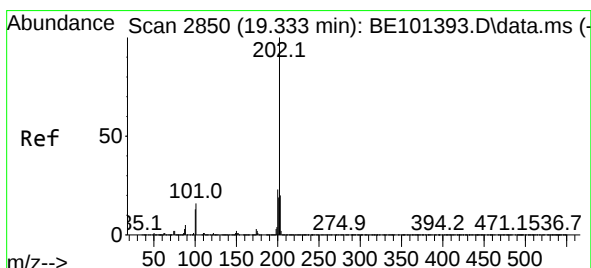
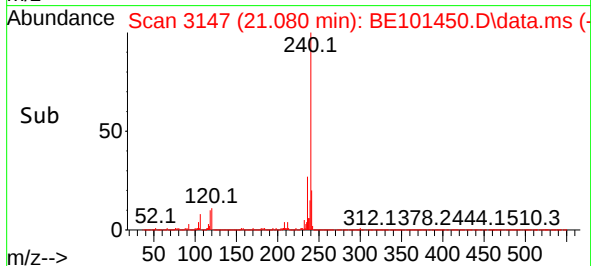
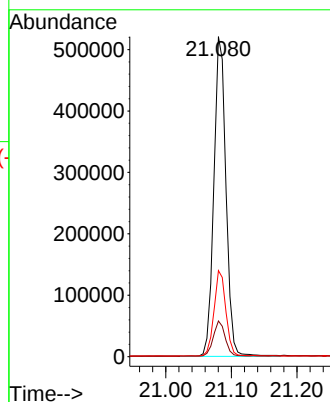
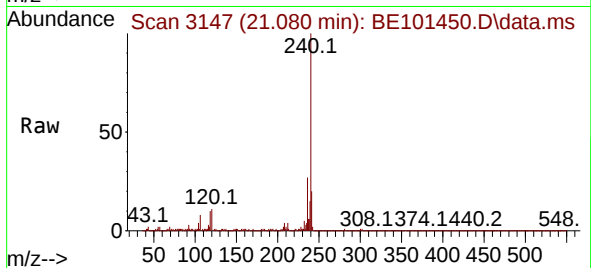
Tgt Ion:240 Resp: 668565

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 26.9 21.4 32.0



#78

Pyrene

Concen: 4.246 ng

RT: 19.335 min Scan# 2850

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

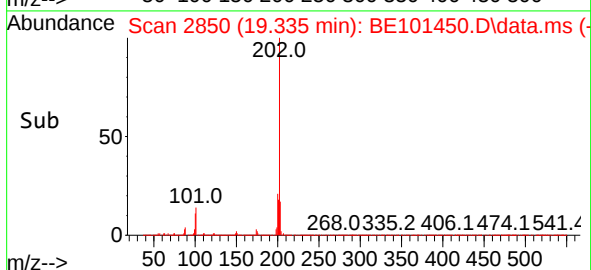
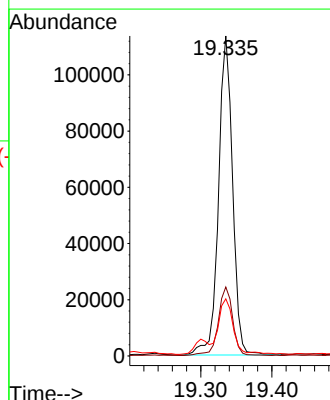
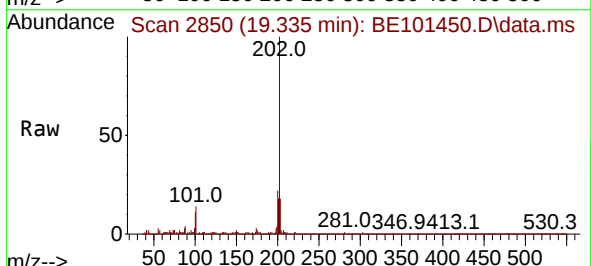
Tgt Ion:202 Resp: 156114

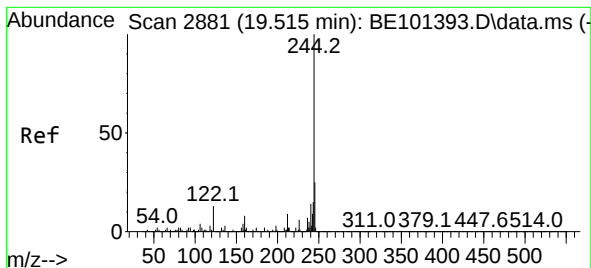
Ion Ratio Lower Upper

202 100

200 21.5 18.6 28.0

203 17.9 15.6 23.4





#79

Terphenyl-d14

Concen: 73.928 ng

RT: 19.517 min Scan# 21

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

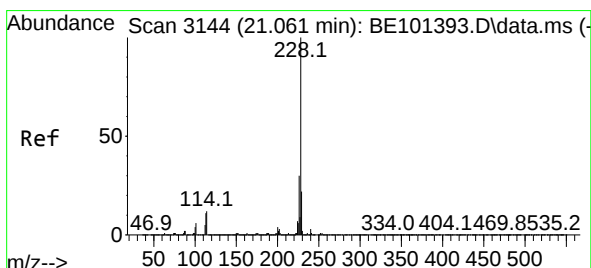
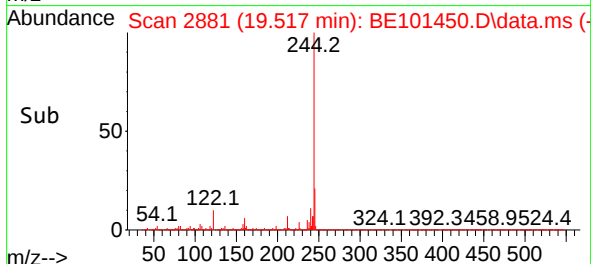
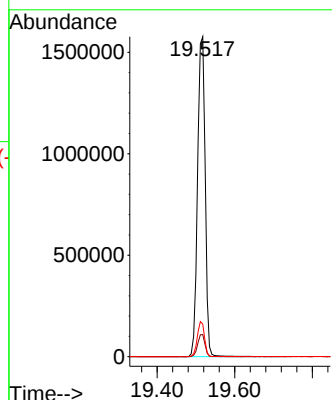
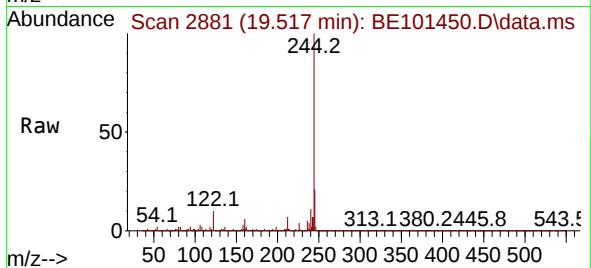
Tgt Ion:244 Resp: 2147495

Ion Ratio Lower Upper

244 100

212 6.9 7.2 10.8#

122 10.2 10.4 15.6#



#81

Benzo(a)anthracene

Concen: 2.574 ng

RT: 21.063 min Scan# 3144

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

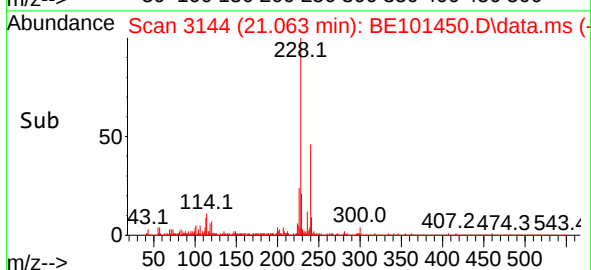
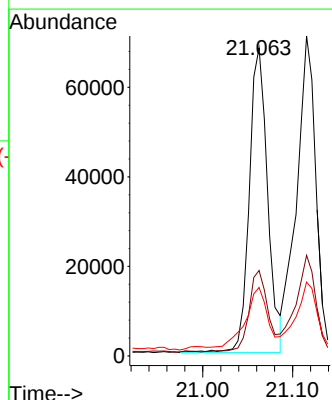
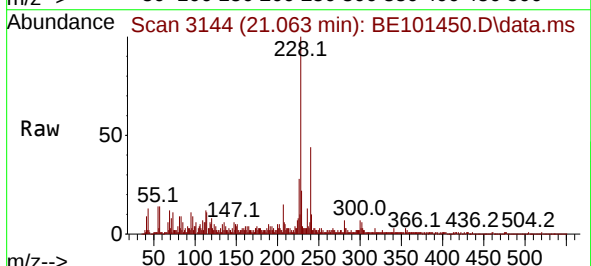
Tgt Ion:228 Resp: 96709

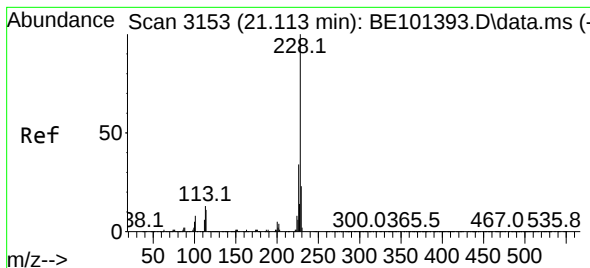
Ion Ratio Lower Upper

228 100

226 27.7 24.1 36.1

229 22.2 17.3 25.9





#83

Chrysene

Concen: 2.823 ng

RT: 21.116 min Scan# 3153

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

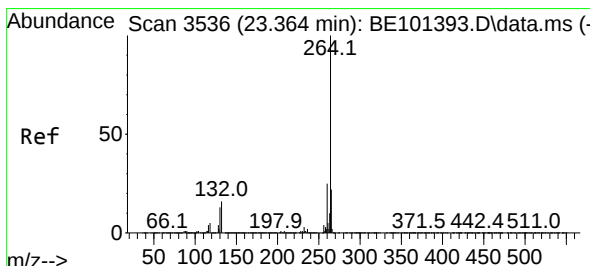
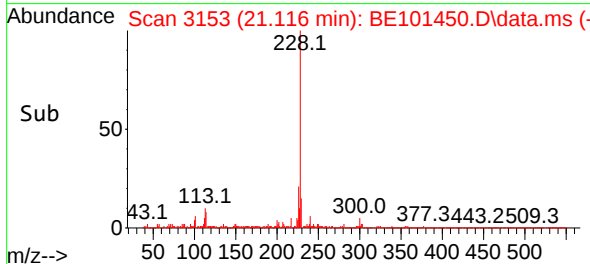
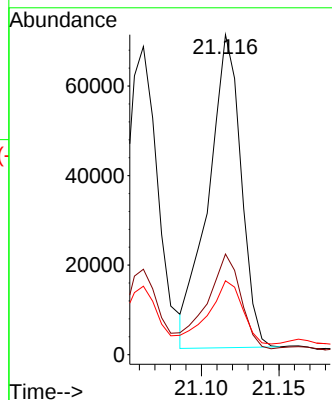
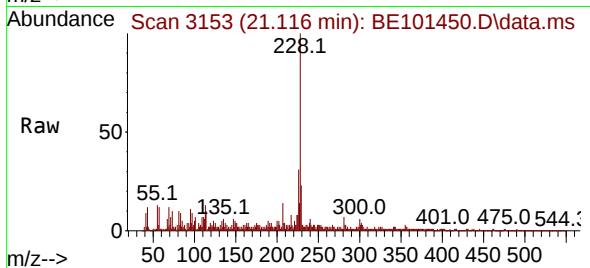
Tgt Ion:228 Resp: 102572

Ion Ratio Lower Upper

228 100

226 31.4 27.2 40.8

229 23.1 18.0 27.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.378 min Scan# 3538

Delta R.T. 0.014 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

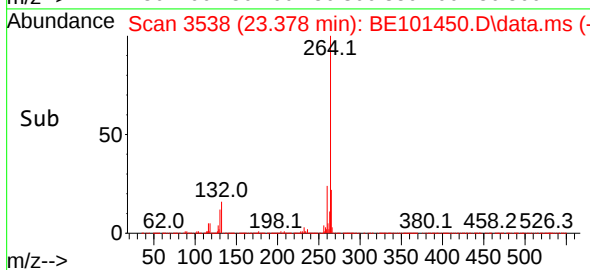
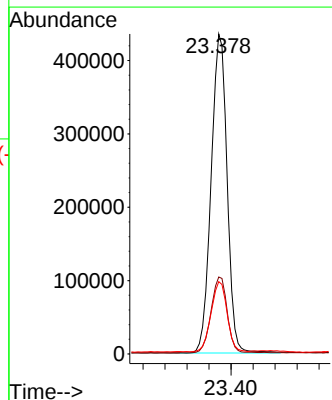
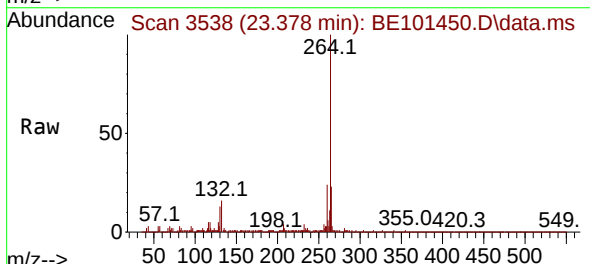
Tgt Ion:264 Resp: 876363

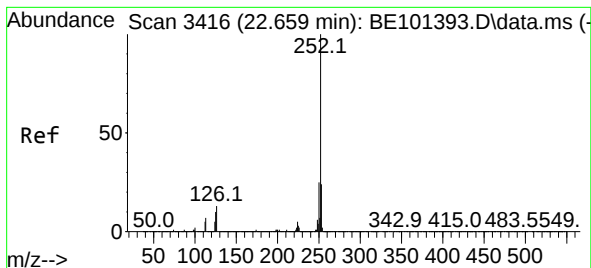
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.8

265 22.6 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 4.828 ng

RT: 22.661 min Scan# 3416

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :

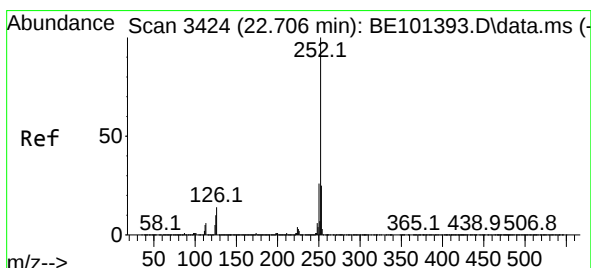
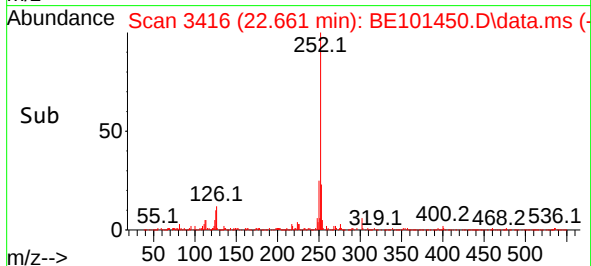
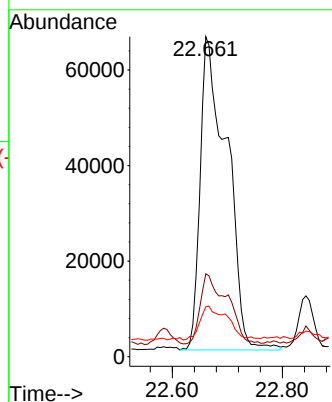
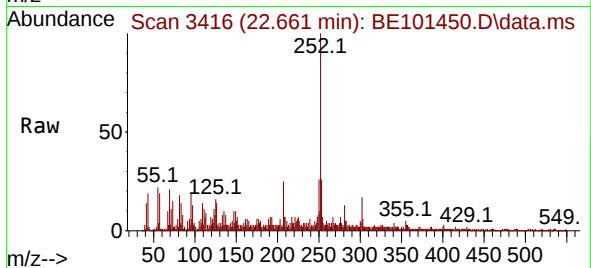
Tgt Ion:252 Resp: 220497

Ion Ratio Lower Upper

252 100

253 25.9 19.0 28.6

125 15.6 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 5.168 ng

RT: 22.661 min Scan# 3416

Delta R.T. -0.045 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

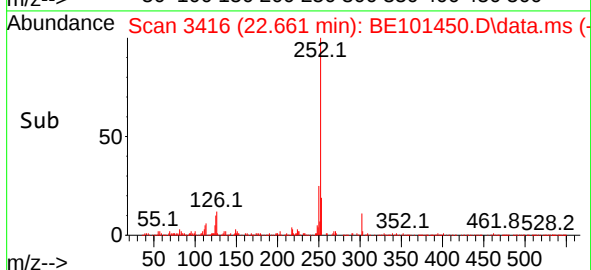
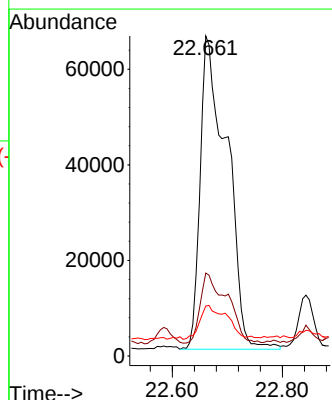
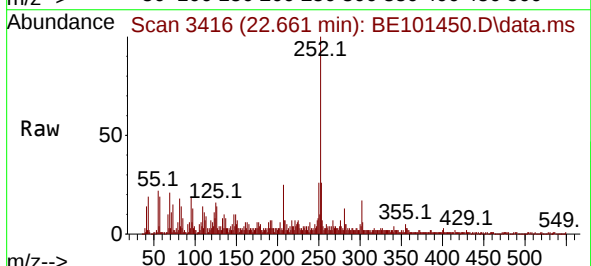
Tgt Ion:252 Resp: 220497

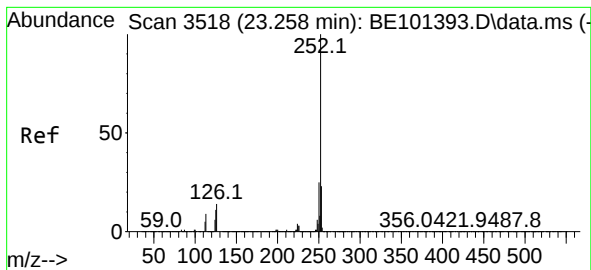
Ion Ratio Lower Upper

252 100

253 25.9 19.4 29.2

125 15.6 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 2.682 ng

RT: 23.266 min Scan# 3

Delta R.T. 0.008 min

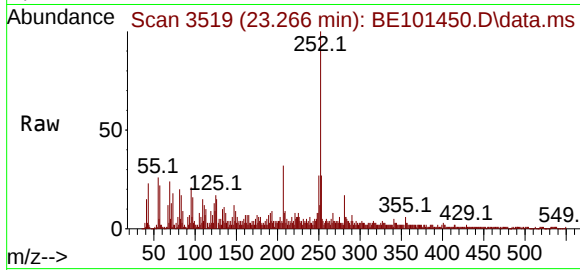
Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA_E

ClientSampleId :



Tgt Ion:252 Resp: 107140

Ion Ratio Lower Upper

252 100

253 26.7 18.4 27.6

125 16.8 9.0 13.6#

