

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052825\
 Data File : BP024815.D
 Acq On : 28 May 2025 14:49
 Operator : RC/JU
 Sample : Q2128-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP03-MHM

Quant Time: May 28 15:36:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 28 14:16:13 2025
 Response via : Initial Calibration

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

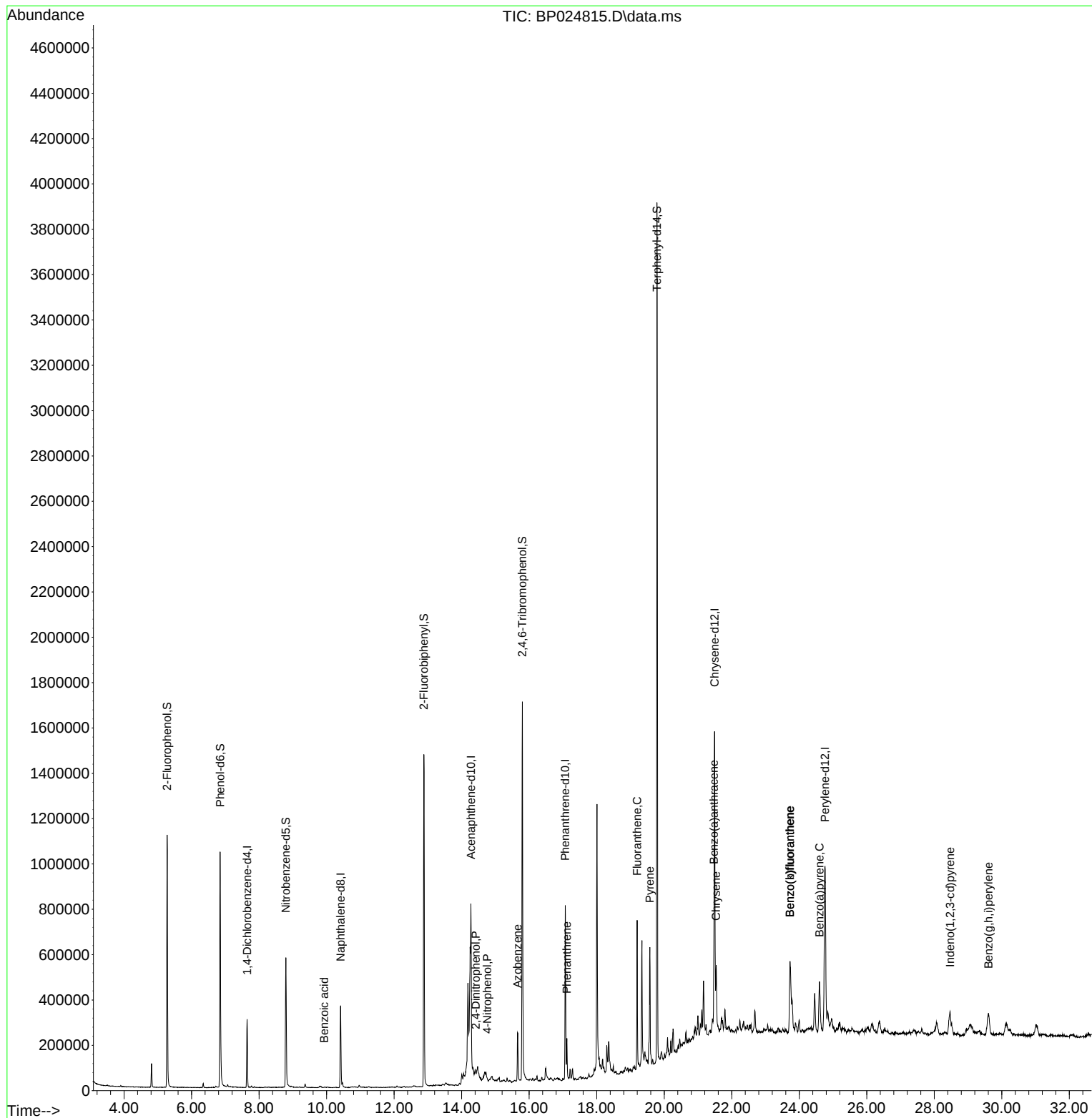
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	82980	20.000	ng	0.00
21) Naphthalene-d8	10.416	136	320918	20.000	ng	0.00
39) Acenaphthene-d10	14.275	164	196512	20.000	ng	0.00
64) Phenanthrene-d10	17.069	188	434367	20.000	ng	0.00
76) Chrysene-d12	21.492	240	681821	20.000	ng	0.00
86) Perylene-d12	24.762	264	908350	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	519991	107.180	ng	0.00
7) Phenol-d6	6.846	99	642739	103.802	ng	0.00
23) Nitrobenzene-d5	8.793	82	353934	55.725	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	445316	133.671	ng	0.01
45) 2-Fluorobiphenyl	12.881	172	783259	52.219	ng	0.00
79) Terphenyl-d14	19.786	244	1980683	49.812	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.928	122	145	7.505	ng	98
54) 2,4-Dinitrophenol	14.422	184	17	6.409	ng	# 1
56) 4-Nitrophenol	14.757	139	387	4.365	ng	93
63) Azobenzene	15.657	77	70289	5.427	ng	# 1
71) Phenanthrene	17.116	178	104917	4.345	ng	99
75) Fluoranthene	19.198	202	331287	11.737	ng	99
78) Pyrene	19.575	202	327062	8.006	ng	99
81) Benzo(a)anthracene	21.474	228	222514	5.197	ng	98
83) Chrysene	21.539	228	199988	4.928	ng	98
87) Indeno(1,2,3-cd)pyrene	28.468	276	189603	2.859	ng	# 89
88) Benzo(b)fluoranthene	23.727	252	338272	6.506	ng	98
89) Benzo(k)fluoranthene	23.727	252	338272	6.314	ng	97
90) Benzo(a)pyrene	24.598	252	259247	5.192	ng	99
92) Benzo(g,h,i)perylene	29.603	276	199229	3.714	ng	98

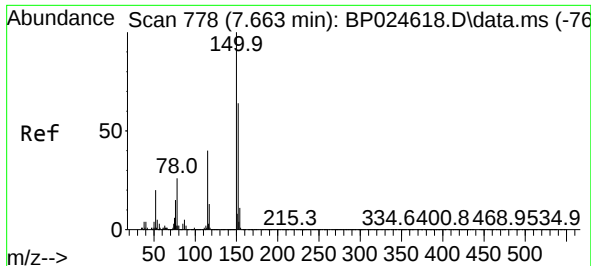
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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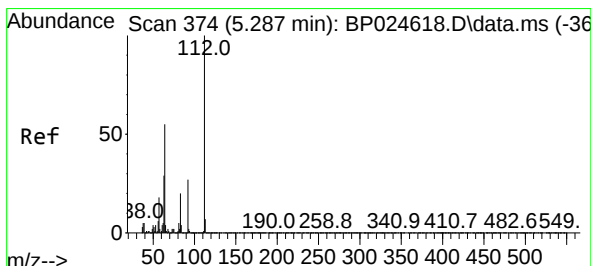
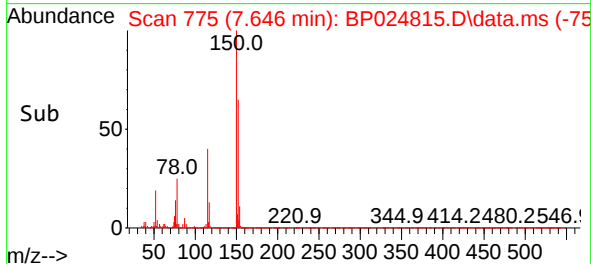
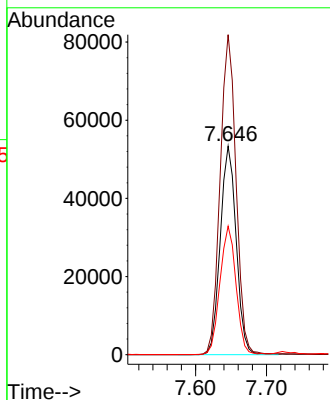
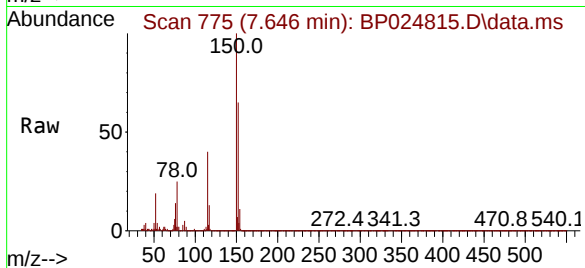




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.646 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

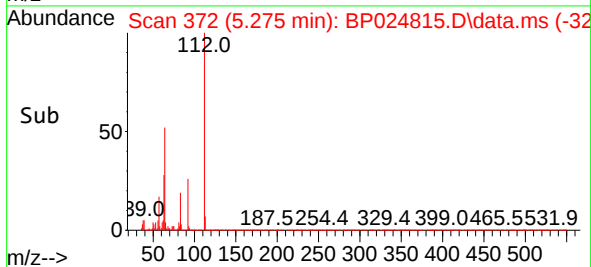
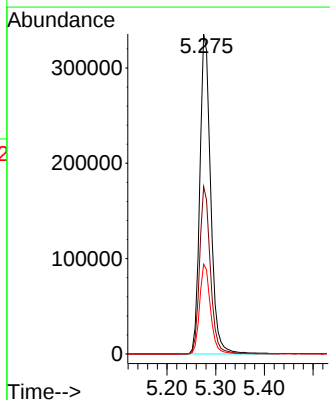
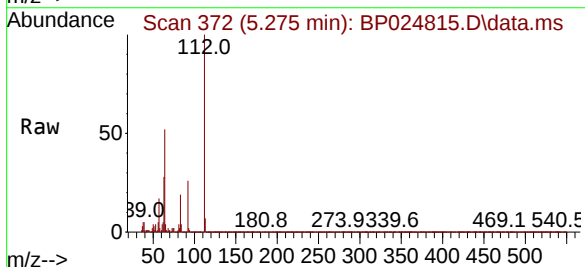
Instrument :
BNA_P
ClientSampleId :
TP03-MHM

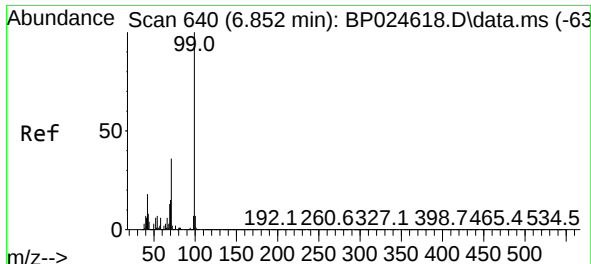
Tgt Ion:152 Resp: 82980
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 61.7 50.1 75.1



#5
2-Fluorophenol
Concen: 107.180 ng
RT: 5.275 min Scan# 372
Delta R.T. -0.006 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion:112 Resp: 519991
Ion Ratio Lower Upper
112 100
64 52.3 44.1 66.1
63 28.1 23.5 35.3

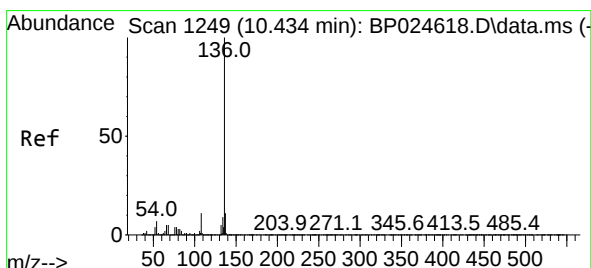
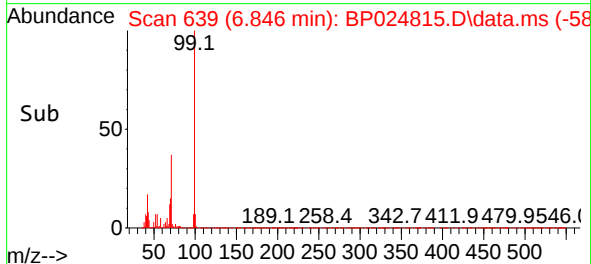
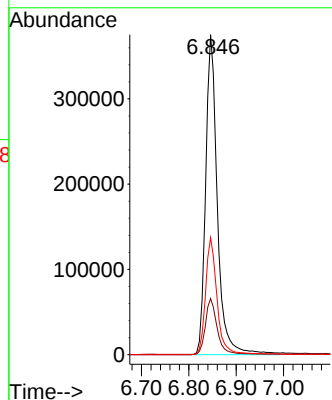
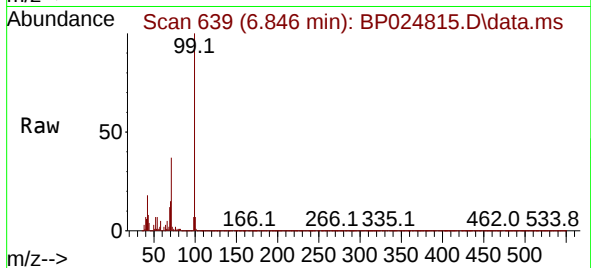




#7
Phenol-d6
Concen: 103.802 ng
RT: 6.846 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

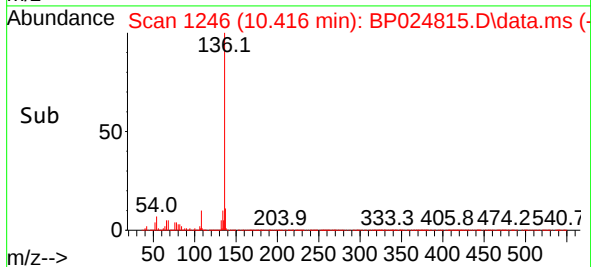
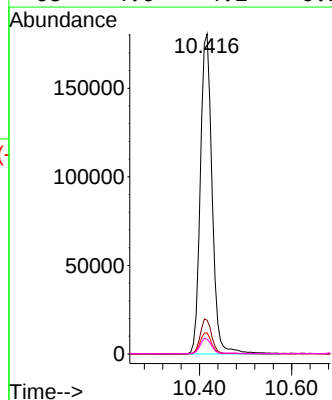
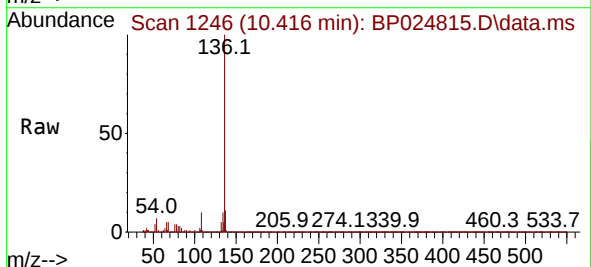
Instrument :
BNA_P
ClientSampleId :
TP03-MHM

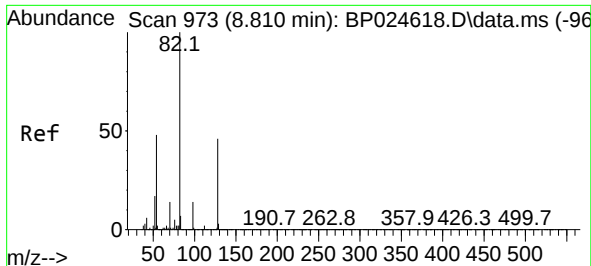
Tgt Ion: 99 Resp: 642739
Ion Ratio Lower Upper
99 100
42 17.6 14.4 21.6
71 36.6 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.006 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion: 136 Resp: 320918
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.6 5.5 8.3
68 4.6 4.2 6.2

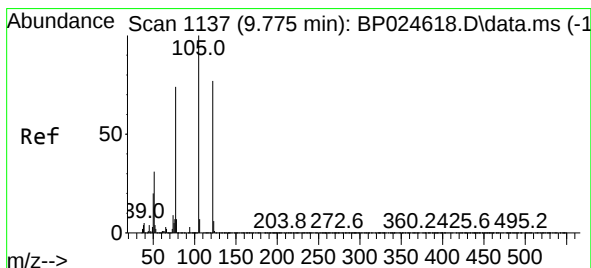
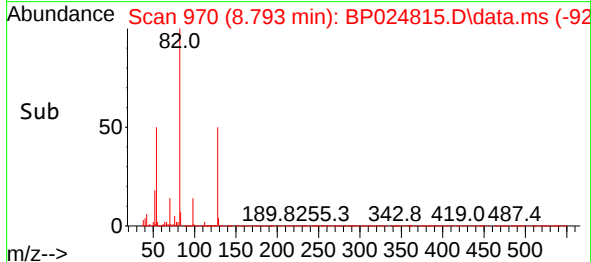
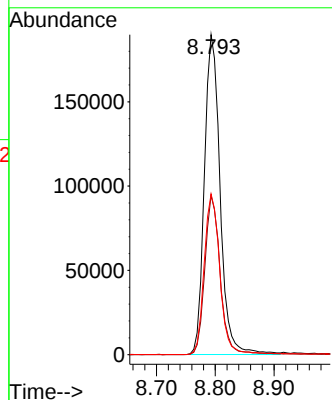
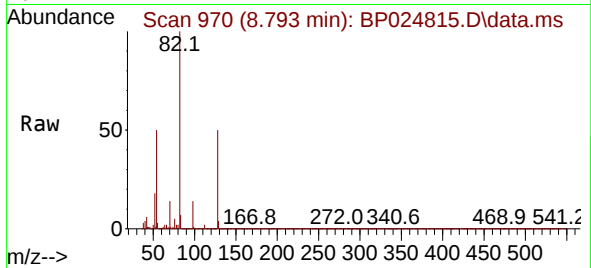




#23
Nitrobenzene-d5
Concen: 55.725 ng
RT: 8.793 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

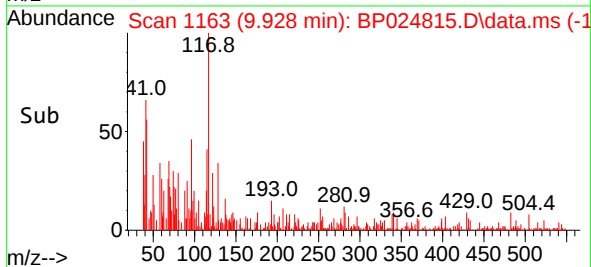
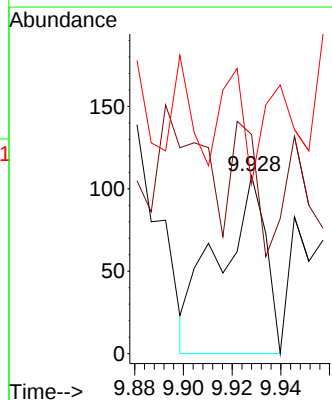
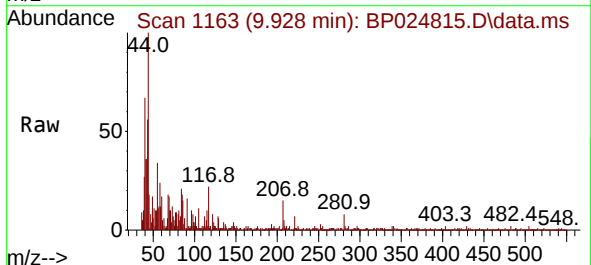
Instrument :
BNA_P
ClientSampleId :
TP03-MHM

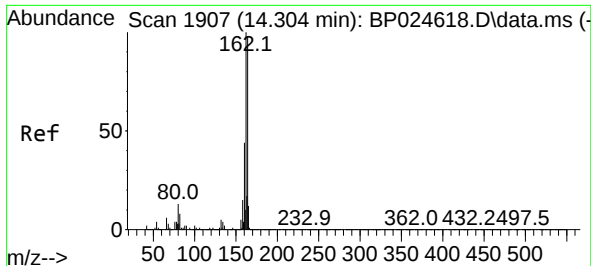
Tgt Ion: 82 Resp: 353934
Ion Ratio Lower Upper
82 100
128 49.8 37.0 55.4
54 50.2 38.7 58.1



#32
Benzoic acid
Concen: 7.505 ng
RT: 9.928 min Scan# 1163
Delta R.T. 0.135 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion: 122 Resp: 145
Ion Ratio Lower Upper
122 100
105 123.1 106.9 146.9
77 95.4 75.1 115.1

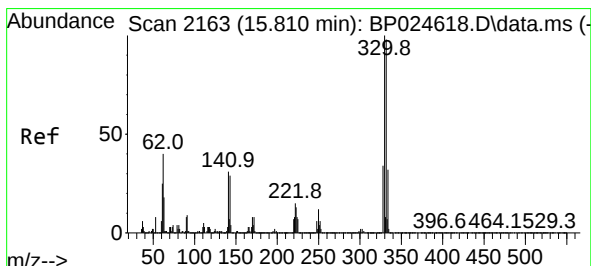
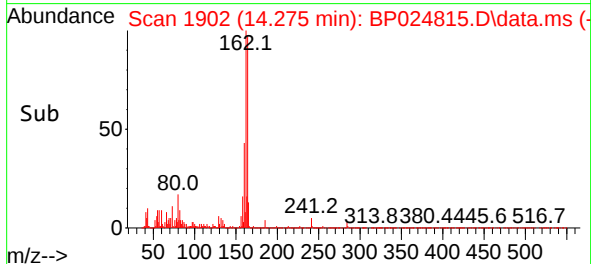
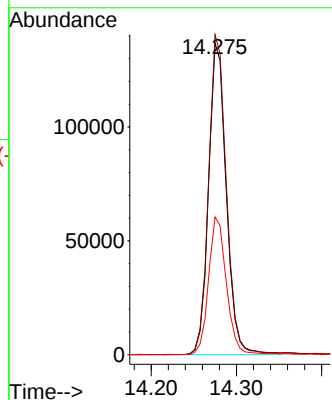
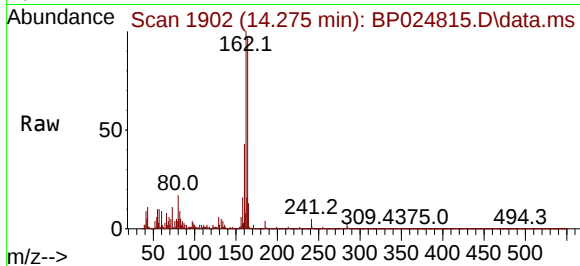




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.275 min Scan# 1907
Delta R.T. 0.000 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

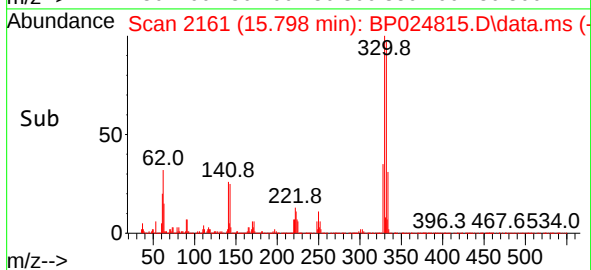
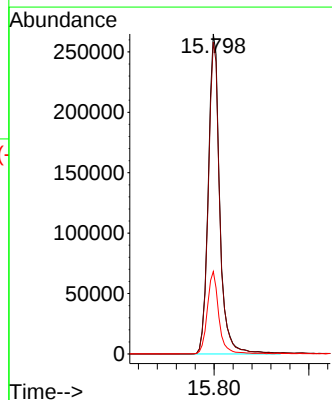
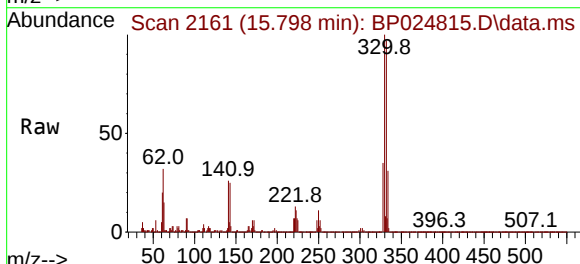
Instrument :
BNA_P
ClientSampleId :
TP03-MHM

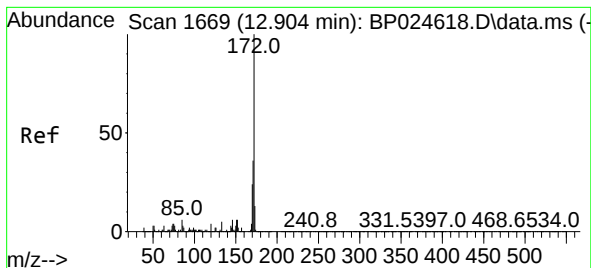
Tgt Ion:164 Resp: 196512
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.6
160 44.2 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 133.671 ng
RT: 15.798 min Scan# 2161
Delta R.T. 0.012 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion:330 Resp: 445316
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.4
141 25.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 52.219 ng

RT: 12.881 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP03-MHM

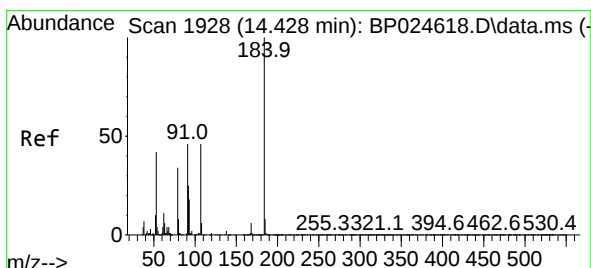
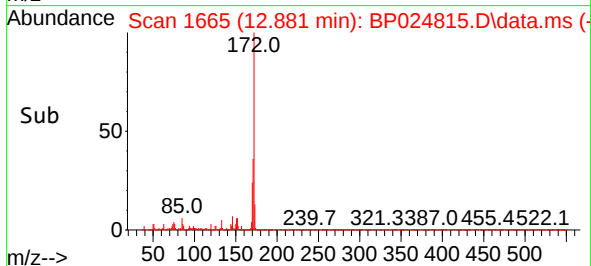
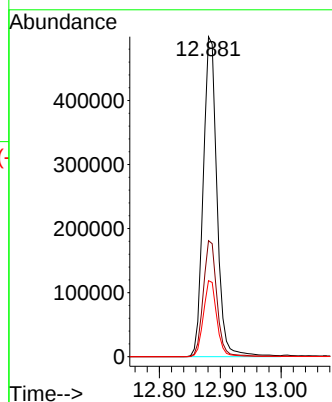
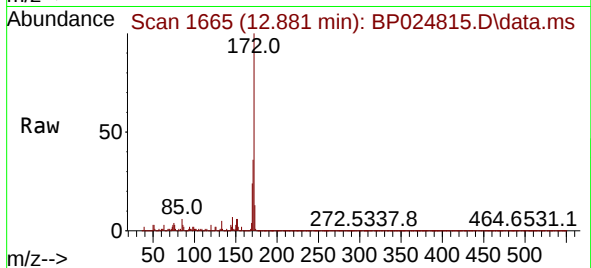
Tgt Ion:172 Resp: 783259

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.8 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.409 ng

RT: 14.422 min Scan# 1927

Delta R.T. 0.006 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

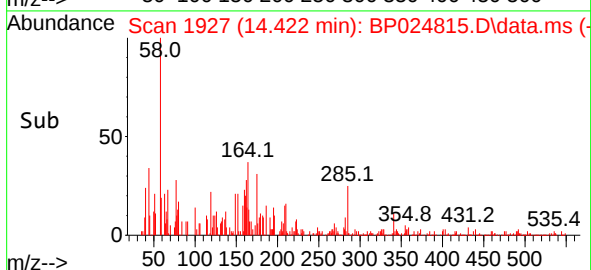
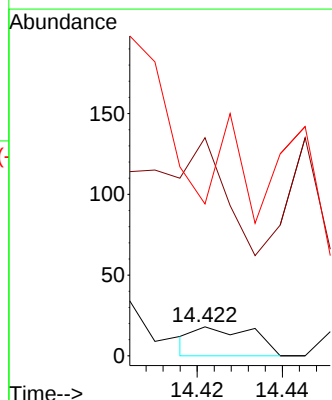
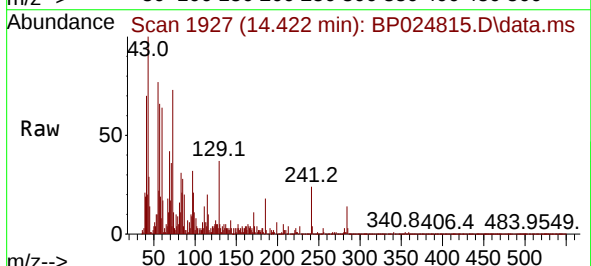
Tgt Ion:184 Resp: 17

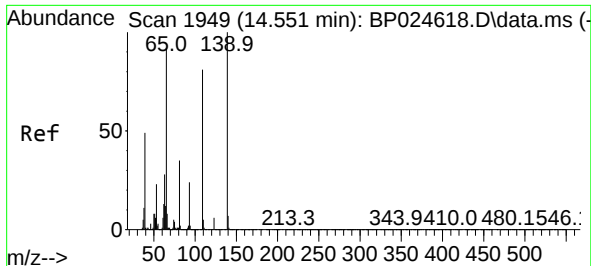
Ion Ratio Lower Upper

184 100

63 750.0 51.3 76.9#

154 522.2 53.5 80.3#

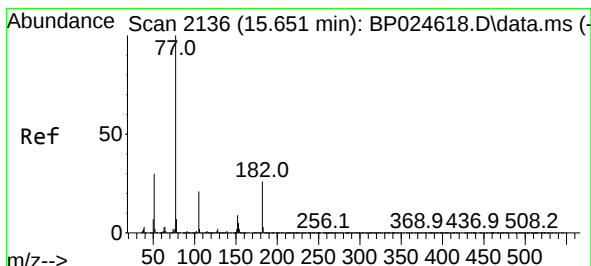
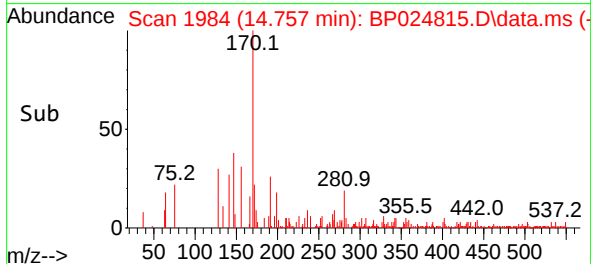
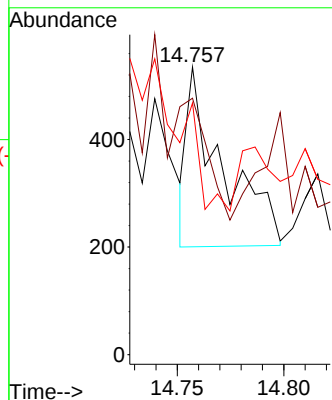
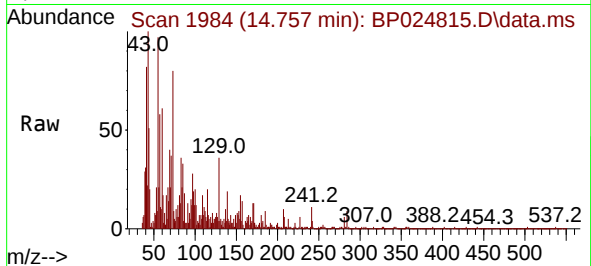




#56
4-Nitrophenol
Concen: 4.365 ng
RT: 14.757 min Scan# 1949
Delta R.T. 0.200 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

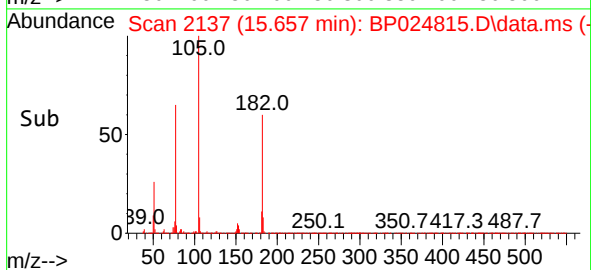
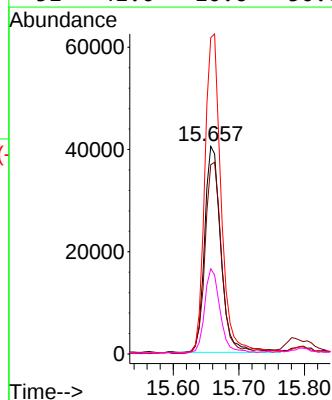
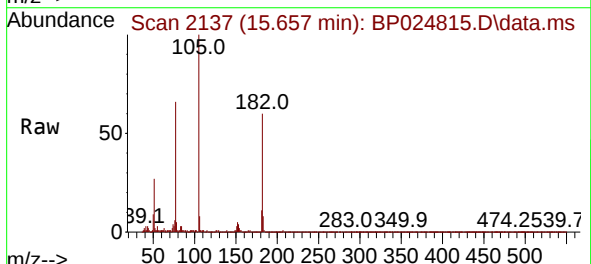
Instrument :
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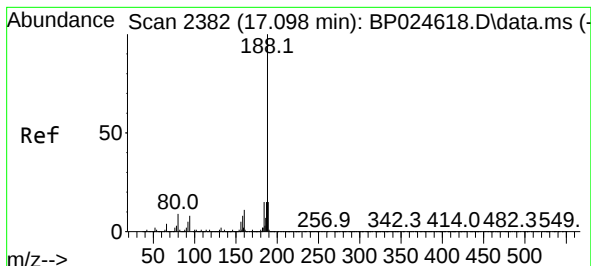
Tgt Ion:139 Resp: 387
Ion Ratio Lower Upper
139 100
109 89.2 61.4 101.4
65 87.5 72.2 112.2



#63
Azobenzene
Concen: 5.427 ng
RT: 15.657 min Scan# 2137
Delta R.T. 0.030 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion: 77 Resp: 70289
Ion Ratio Lower Upper
77 100
182 91.2 5.7 45.7#
105 152.4 1.3 41.3#
51 41.0 10.6 50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.069 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP03-MHM

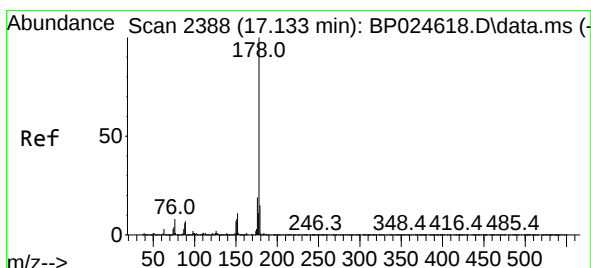
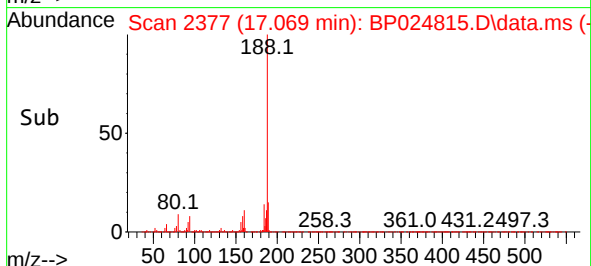
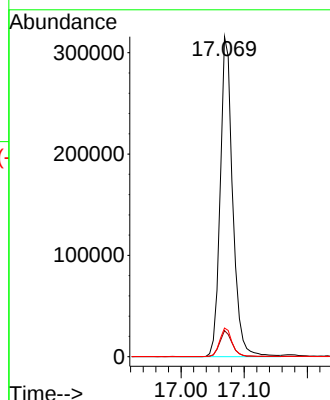
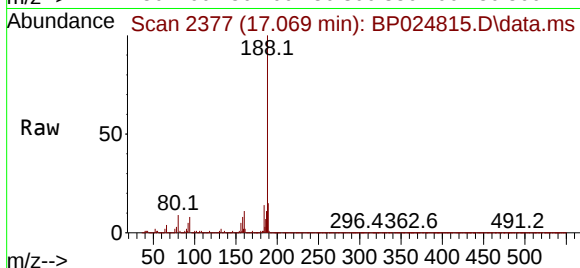
Tgt Ion:188 Resp: 434367

Ion Ratio Lower Upper

188 100

94 8.1 6.5 9.7

80 9.0 7.3 10.9



#71

Phenanthrene

Concen: 4.345 ng

RT: 17.116 min Scan# 2385

Delta R.T. 0.006 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

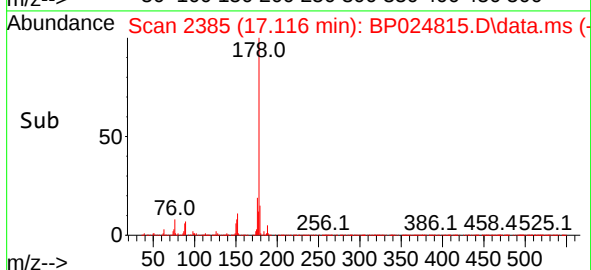
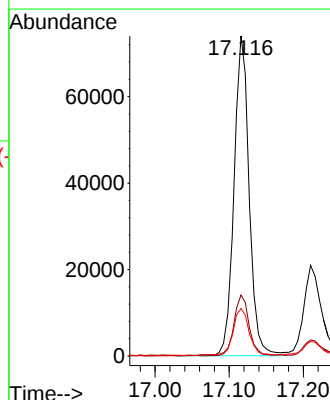
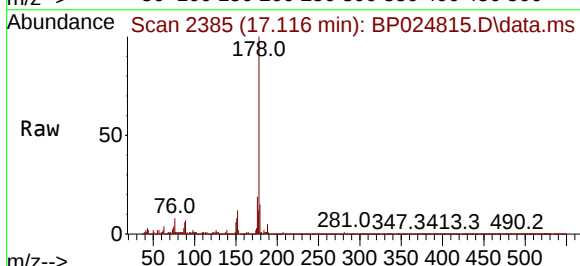
Tgt Ion:178 Resp: 104917

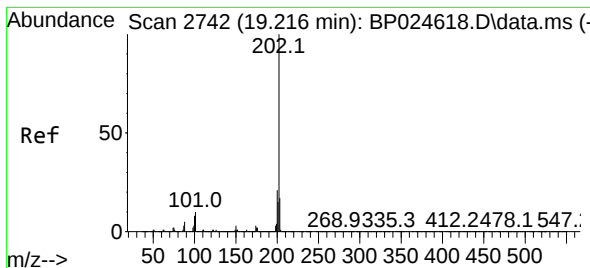
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 14.8 12.2 18.4





#75

Fluoranthene

Concen: 11.737 ng

RT: 19.198 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP03-MHM

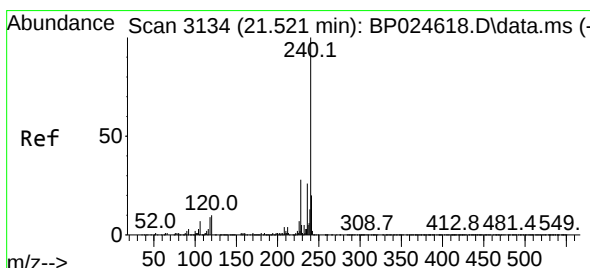
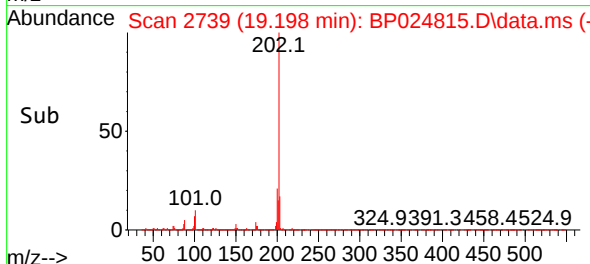
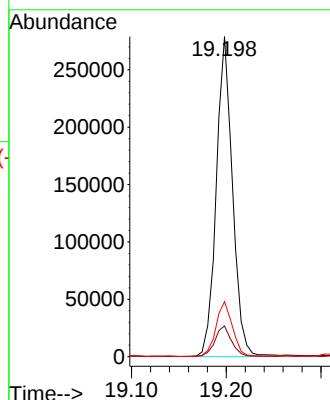
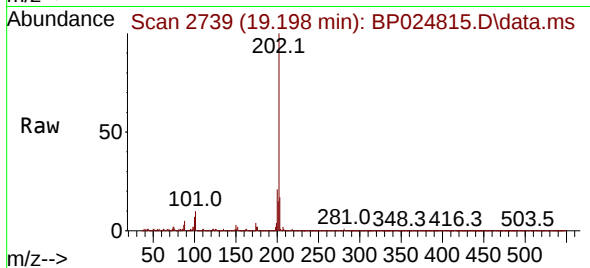
Tgt Ion:202 Resp: 331287

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

203 17.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.492 min Scan# 3129

Delta R.T. 0.000 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

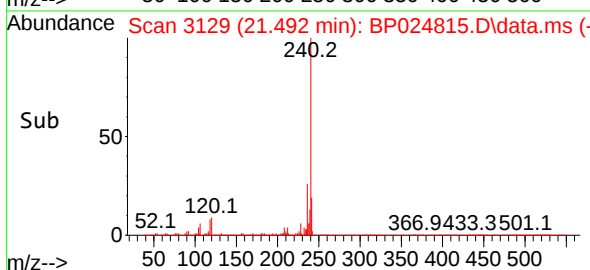
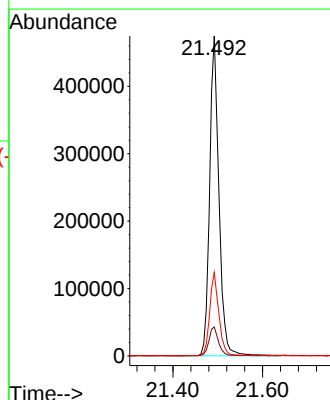
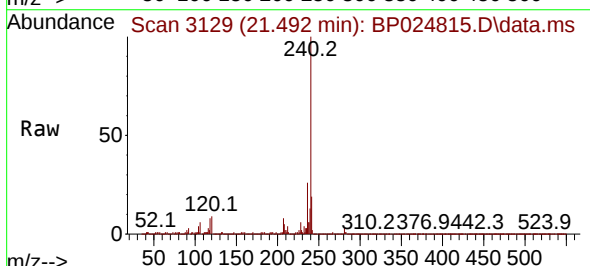
Tgt Ion:240 Resp: 681821

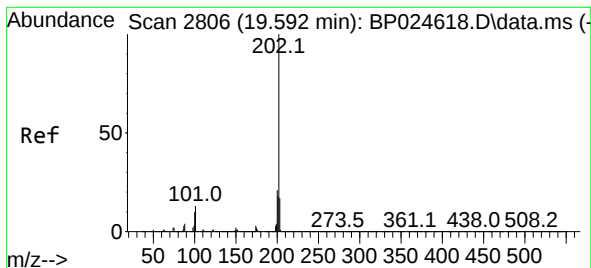
Ion Ratio Lower Upper

240 100

120 9.0 7.8 11.6

236 26.2 20.6 31.0





#78

Pyrene

Concen: 8.006 ng

RT: 19.575 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP03-MHM

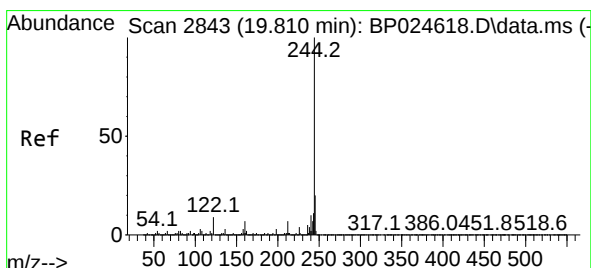
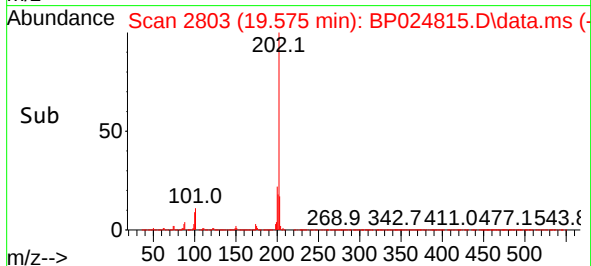
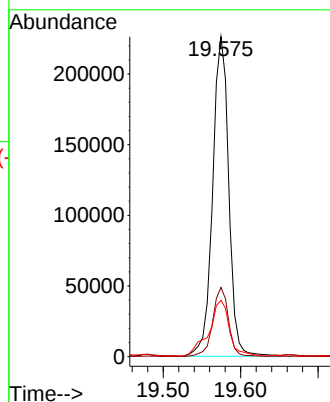
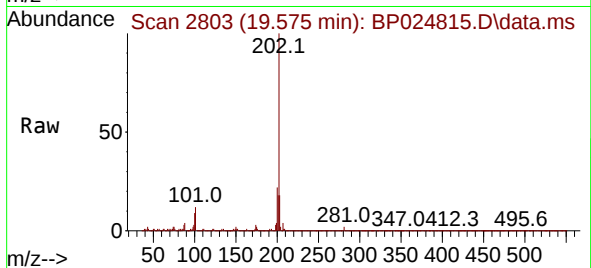
Tgt Ion:202 Resp: 327062

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 49.812 ng

RT: 19.786 min Scan# 2839

Delta R.T. 0.000 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

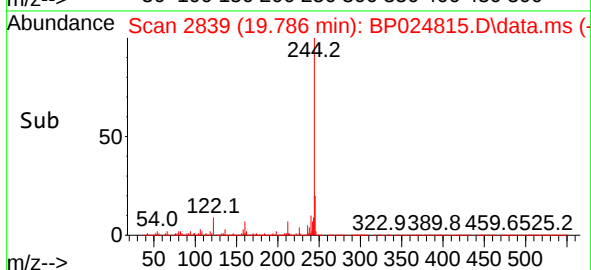
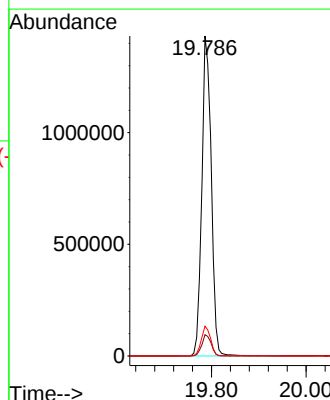
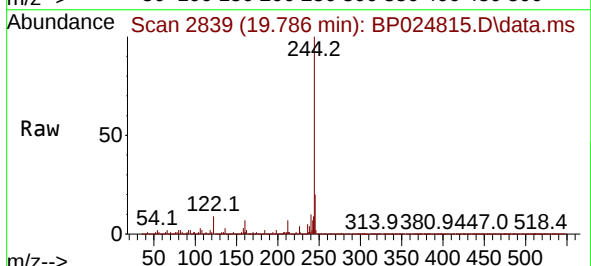
Tgt Ion:244 Resp: 1980683

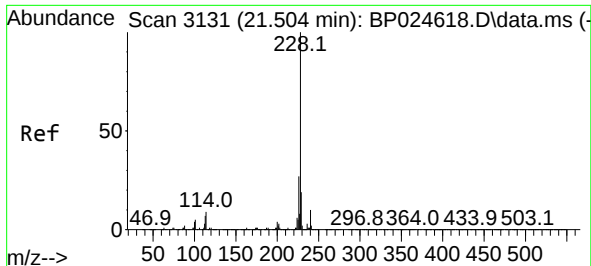
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 9.3 7.4 11.0

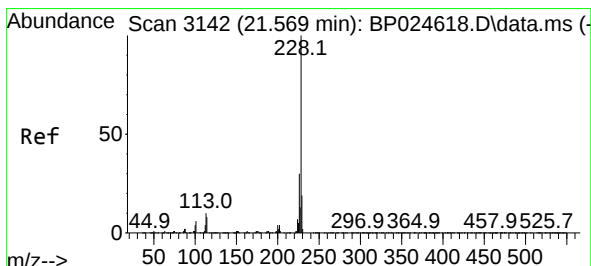
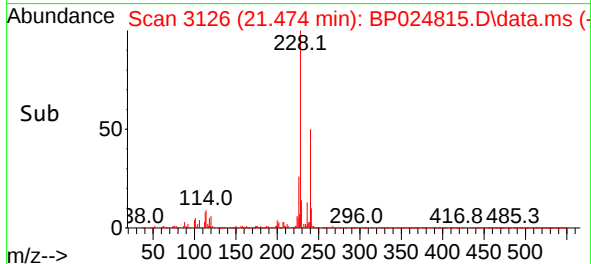
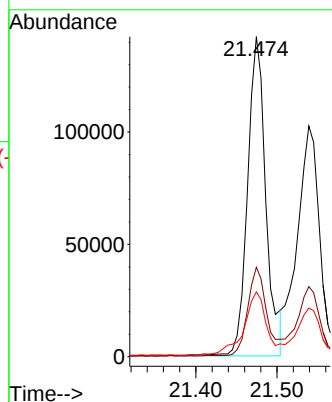
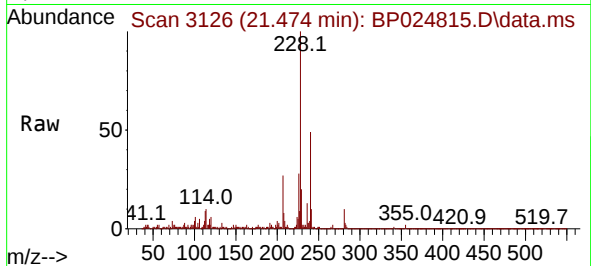




#81
Benzo(a)anthracene
Concen: 5.197 ng
RT: 21.474 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

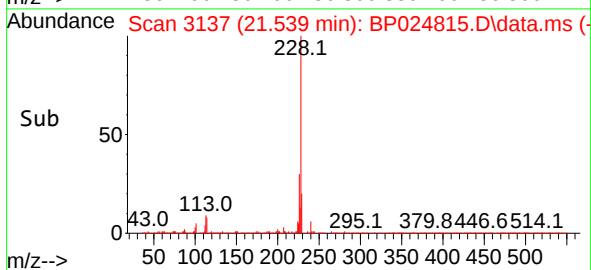
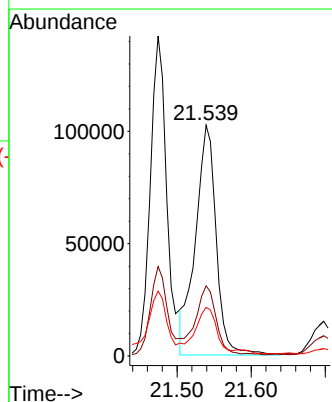
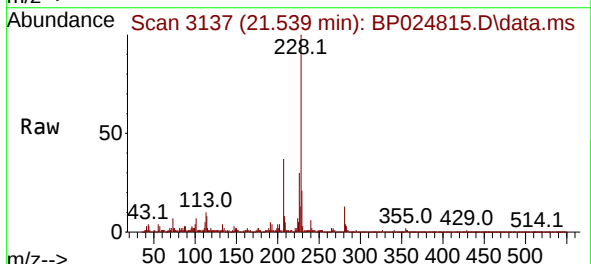
Instrument :
BNA_P
ClientSampleId :
TP03-MHM

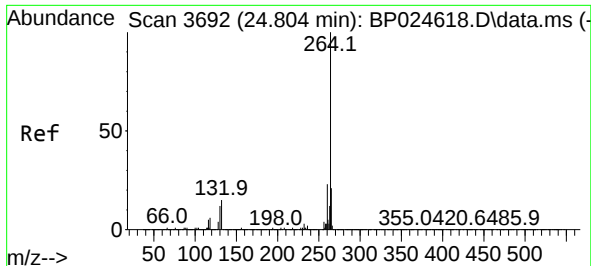
Tgt Ion:228 Resp: 222514
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 20.2 15.5 23.3



#83
Chrysene
Concen: 4.928 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion:228 Resp: 199988
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 21.1 15.5 23.3

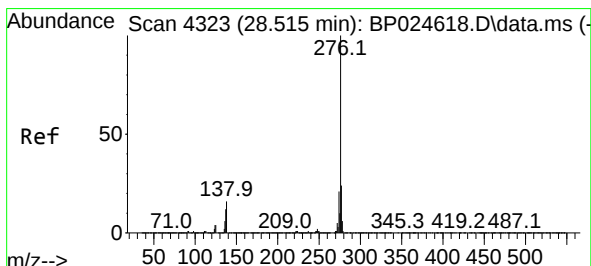
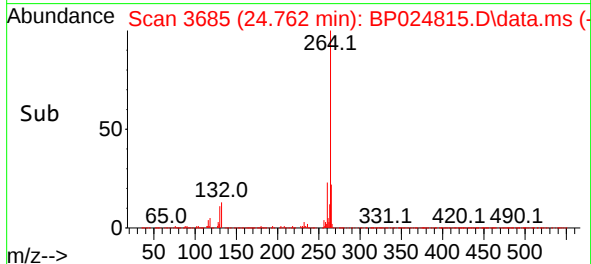
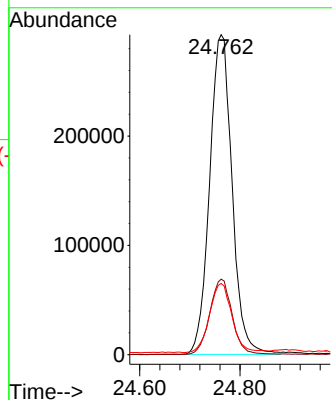
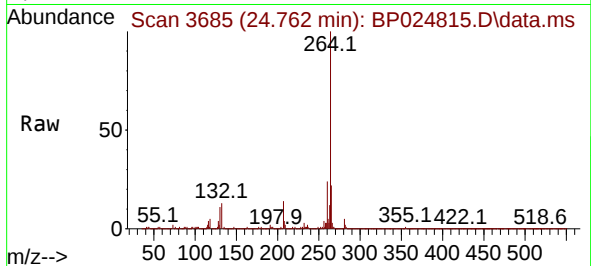




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.762 min Scan# 30
 Delta R.T. 0.018 min
 Lab File: BP024815.D
 Acq: 28 May 2025 14:49

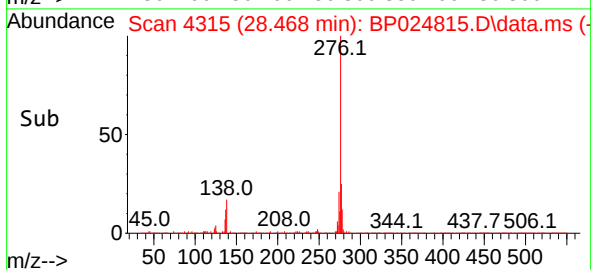
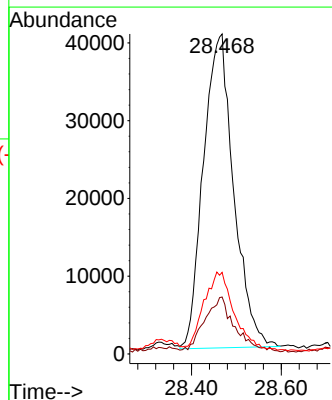
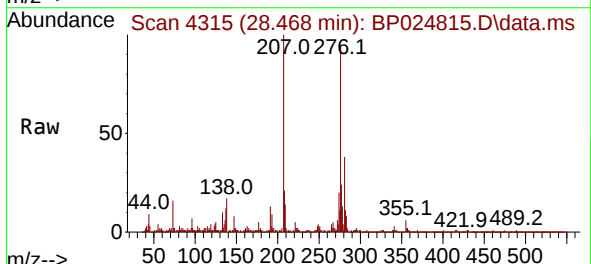
Instrument :
 BNA_P
 ClientSampleId :
 TP03-MHM

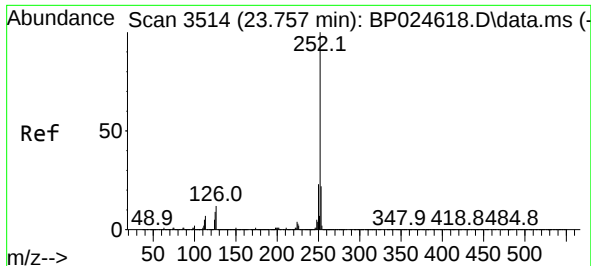
Tgt Ion:264 Resp: 908350
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 22.3 17.0 25.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.859 ng
 RT: 28.468 min Scan# 4315
 Delta R.T. 0.030 min
 Lab File: BP024815.D
 Acq: 28 May 2025 14:49

Tgt Ion:276 Resp: 189603
 Ion Ratio Lower Upper
 276 100
 138 17.3 11.2 16.8#
 277 25.3 15.7 23.5#

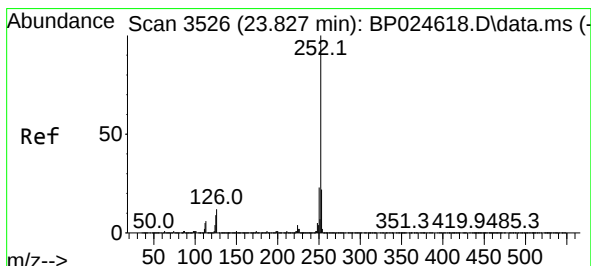
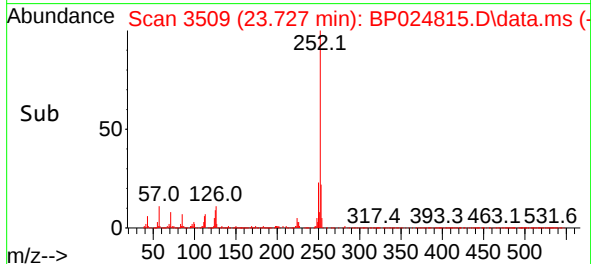
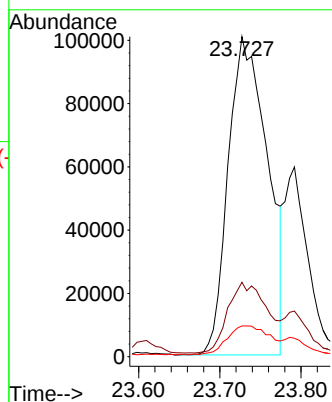
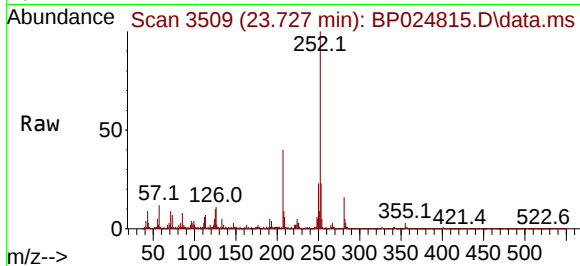




#88
Benzo(b)fluoranthene
Concen: 6.506 ng
RT: 23.727 min Scan# 3509
Delta R.T. 0.006 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

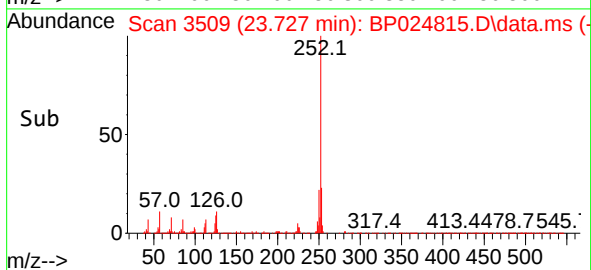
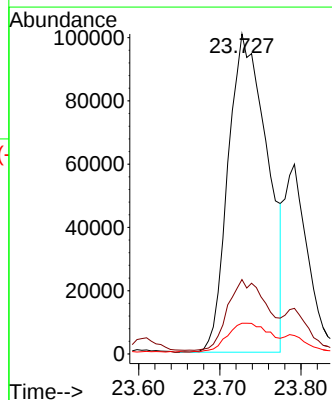
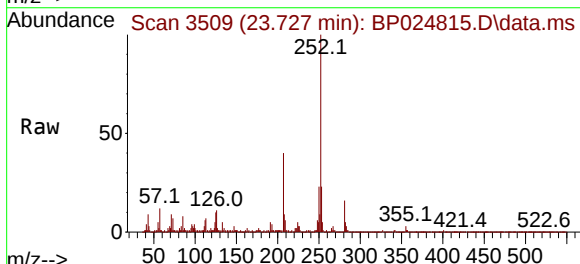
Instrument :
BNA_P
ClientSampleId :
TP03-MHM

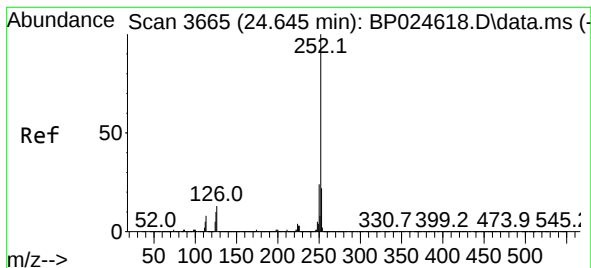
Tgt Ion:252 Resp: 338272
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 9.6 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 6.314 ng
RT: 23.727 min Scan# 3509
Delta R.T. -0.070 min
Lab File: BP024815.D
Acq: 28 May 2025 14:49

Tgt Ion:252 Resp: 338272
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 9.6 7.0 10.4





#90

Benzo(a)pyrene

Concen: 5.192 ng

RT: 24.598 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP03-MHM

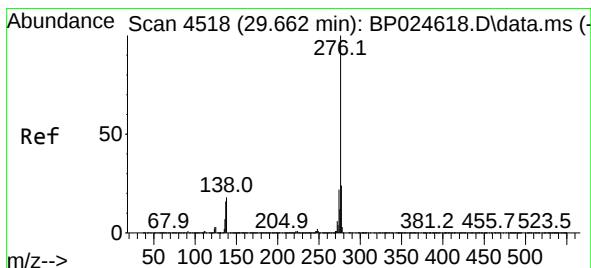
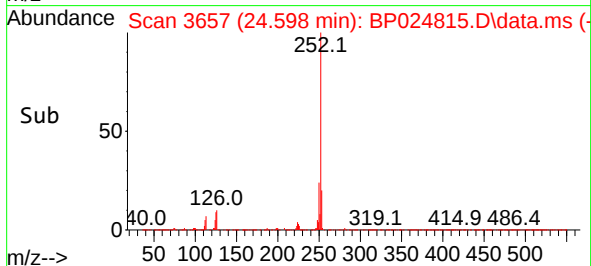
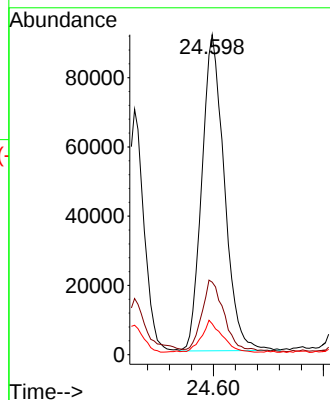
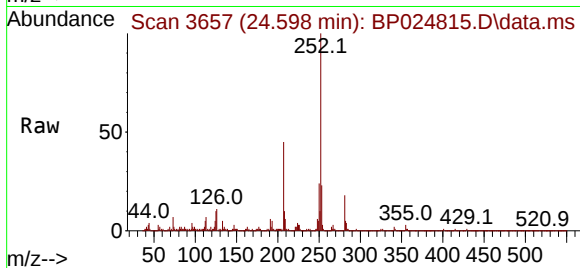
Tgt Ion:252 Resp: 259247

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.7 8.1 12.1



#92

Benzo(g,h,i)perylene

Concen: 3.714 ng

RT: 29.603 min Scan# 4508

Delta R.T. 0.012 min

Lab File: BP024815.D

Acq: 28 May 2025 14:49

Tgt Ion:276 Resp: 199229

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.4

138 17.9 14.4 21.6

