

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091925\
 Data File : BP025807.D
 Acq On : 19 Sep 2025 20:37
 Operator : CG/JU
 Sample : Q3126-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 23:31:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

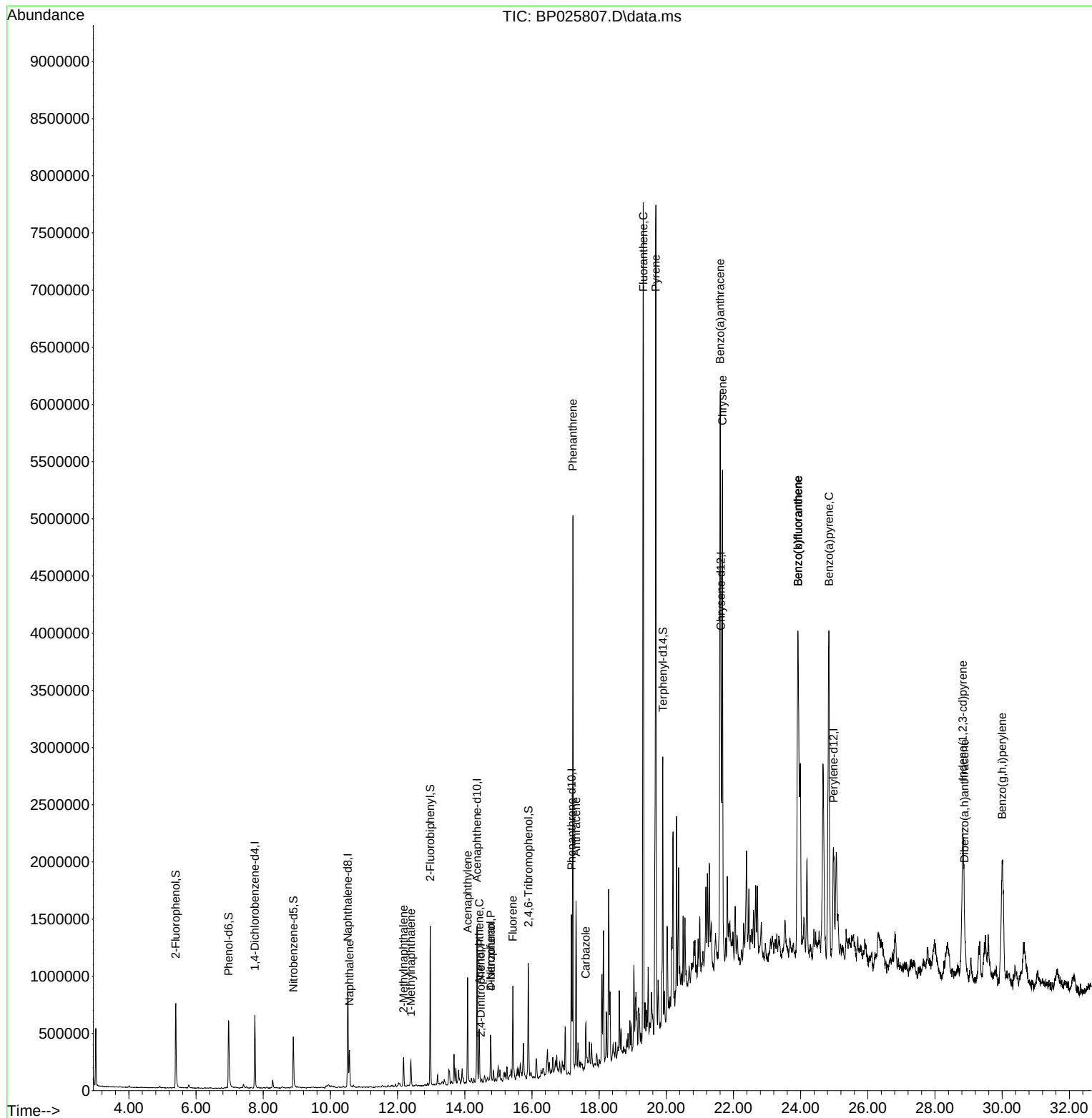
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	178205	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	719786	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	461754	20.000	ng	-0.01
64) Phenanthrene-d10	17.178	188	917004	20.000	ng	0.00
76) Chrysene-d12	21.624	240	861967	20.000	ng	-0.02
86) Perylene-d12	24.977	264	979860	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	357309	32.352	ng	0.01
7) Phenol-d6	6.966	99	440067	29.978	ng	0.02
23) Nitrobenzene-d5	8.896	82	288165	17.660	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	167178	29.027	ng	-0.01
45) 2-Fluorobiphenyl	12.972	172	692128	19.958	ng	-0.02
79) Terphenyl-d14	19.895	244	1013704	21.157	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.566	128	261759	6.744	ng	98
37) 2-Methylnaphthalene	12.178	142	124685	5.002	ng	96
38) 1-Methylnaphthalene	12.395	142	117319	4.413	ng	99
49) Acenaphthylene	14.084	152	652884	14.765	ng	100
52) Acenaphthene	14.431	154	163559	6.414	ng	98
54) 2,4-Dinitrophenol	14.478	184	23	4.829	ng	# 1
55) Dibenzofuran	14.772	168	237614	5.717	ng	97
56) 4-Nitrophenol	14.772	139	92376	17.374	ng	# 6
58) Fluorene	15.431	166	382278	11.567	ng	98
71) Phenanthrene	17.219	178	2877944	55.326	ng	100
72) Anthracene	17.313	178	958524	18.161	ng	100
73) Carbazole	17.601	167	267710	5.456	ng	99
75) Fluoranthene	19.313	202	5179639	83.026	ng	99
78) Pyrene	19.689	202	4863751	84.565	ng	99
81) Benzo(a)anthracene	21.601	228	3226997	54.684	ng	95
83) Chrysene	21.671	228	2948795	52.420	ng	97
87) Indeno(1,2,3-cd)pyrene	28.830	276	2218196	31.129	ng	# 82
88) Benzo(b)fluoranthene	23.918	252	4149144	69.244	ng	99
89) Benzo(k)fluoranthene	23.918	252	4149144	67.858	ng	98
90) Benzo(a)pyrene	24.842	252	3218875	54.855	ng	98
91) Dibenzo(a,h)anthracene	28.871	278	593828	10.184	ng	94
92) Benzo(g,h,i)perylene	30.000	276	2085261	36.363	ng	98

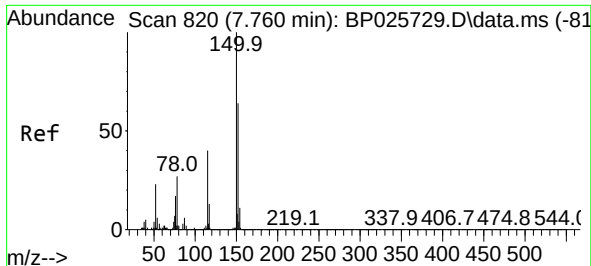
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091925\
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BNA_P
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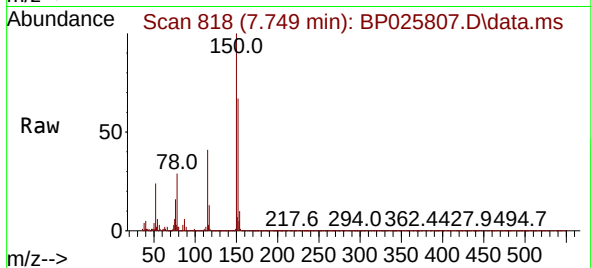
Quant Time: Sep 19 23:31:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 16:45:04 2025
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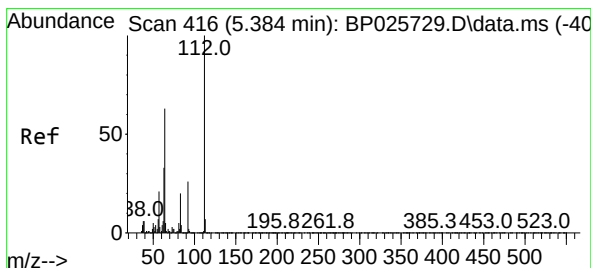
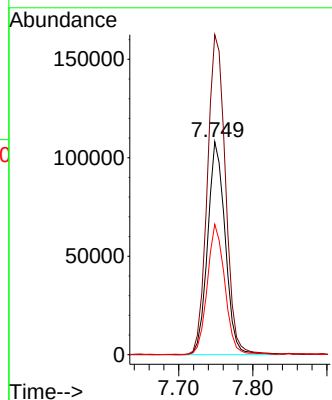
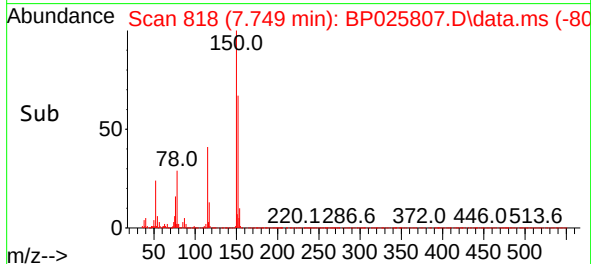


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

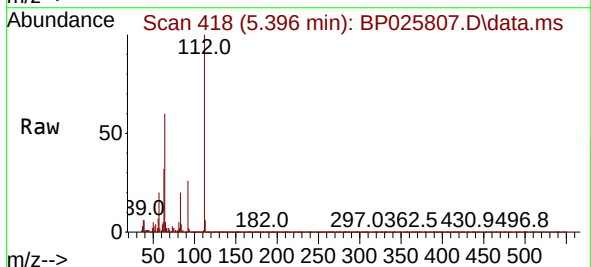
Instrument :
BNA_P
ClientSampleId :



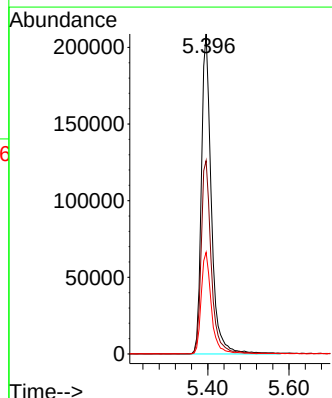
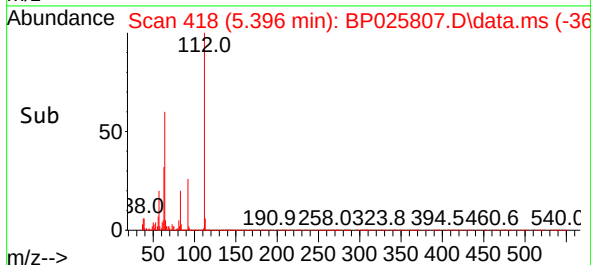
Tgt Ion:152 Resp: 178205
Ion Ratio Lower Upper
152 100
150 150.3 124.3 186.5
115 61.3 50.3 75.5

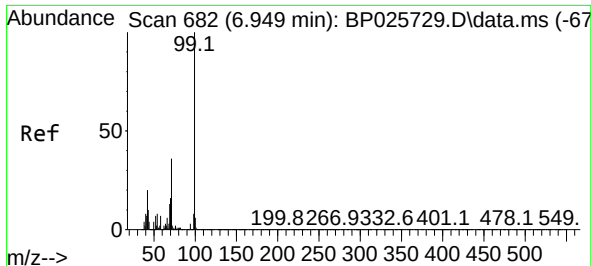


#5
2-Fluorophenol
Concen: 32.352 ng
RT: 5.396 min Scan# 418
Delta R.T. 0.012 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37



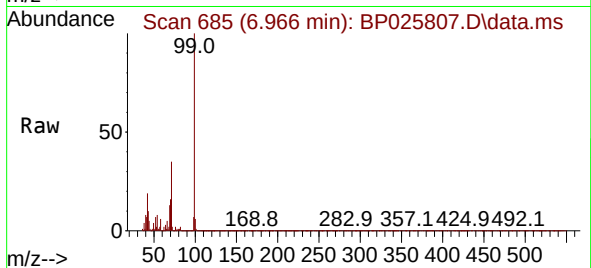
Tgt Ion:112 Resp: 357309
Ion Ratio Lower Upper
112 100
64 60.4 50.2 75.4
63 31.8 26.7 40.1



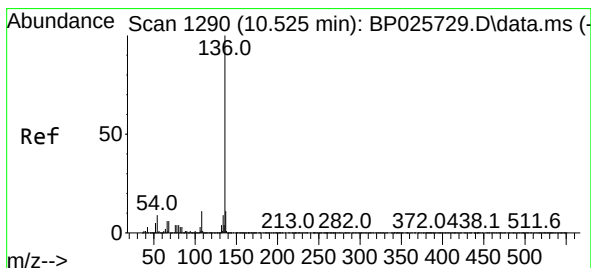
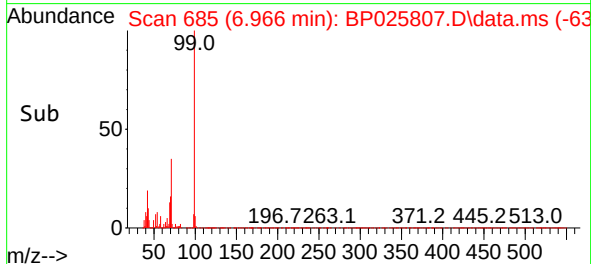
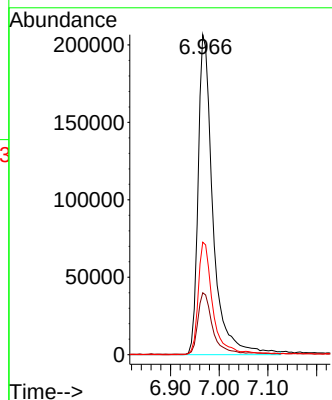


#7
Phenol-d6
Concen: 29.978 ng
RT: 6.966 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Instrument :
BNA_P
ClientSampleId :

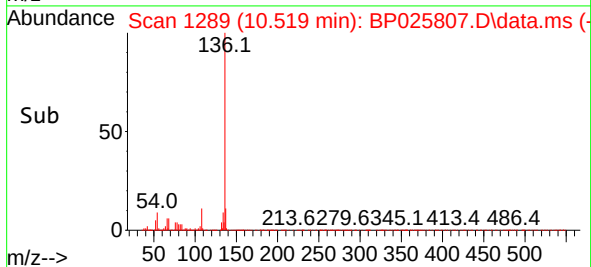
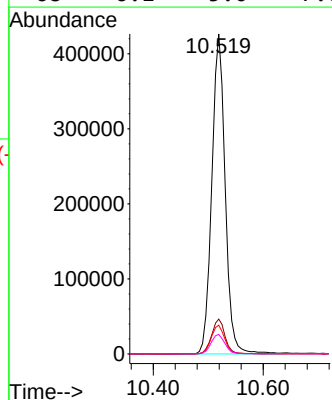
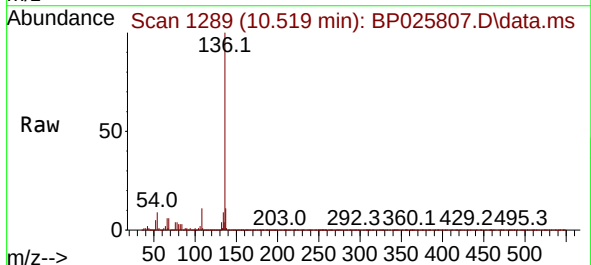


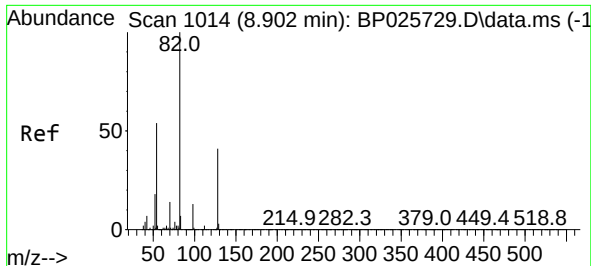
Tgt Ion: 99 Resp: 440067
Ion Ratio Lower Upper
99 100
42 19.3 15.6 23.4
71 35.2 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion: 136 Resp: 719786
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.0 7.5 11.3
68 6.1 5.0 7.6

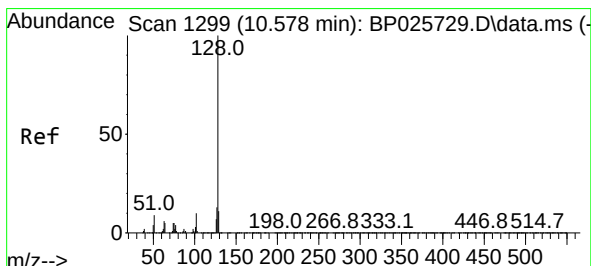
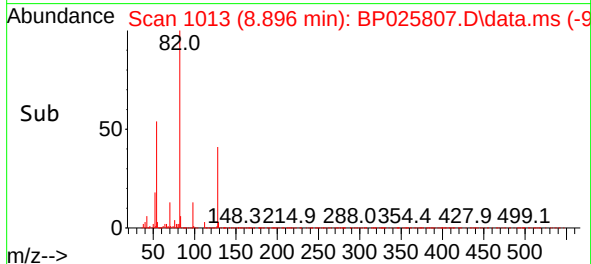
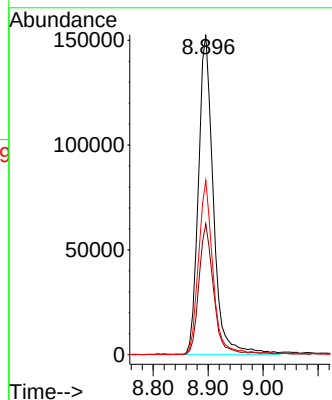
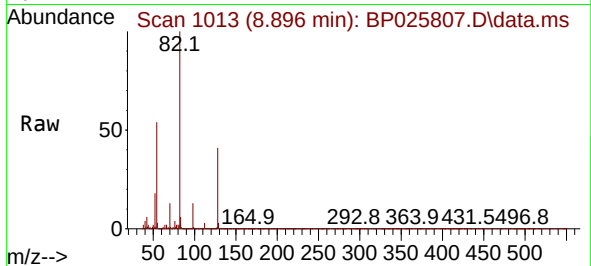




#23
 Nitrobenzene-d5
 Concen: 17.660 ng
 RT: 8.896 min Scan# 1013
 Delta R.T. -0.006 min
 Lab File: BP025807.D
 Acq: 19 Sep 2025 20:37

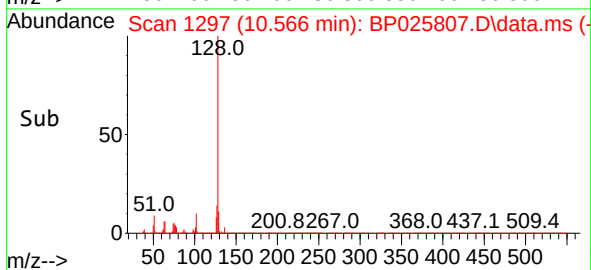
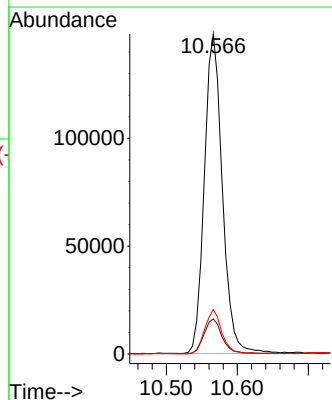
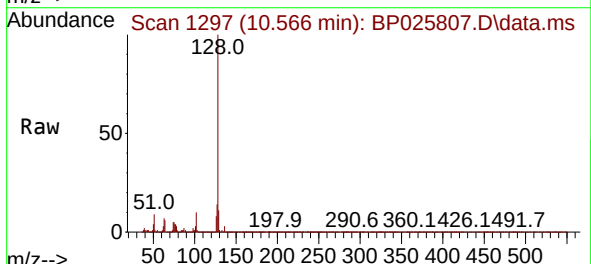
Instrument :
 BNA_P
 ClientSampleId :

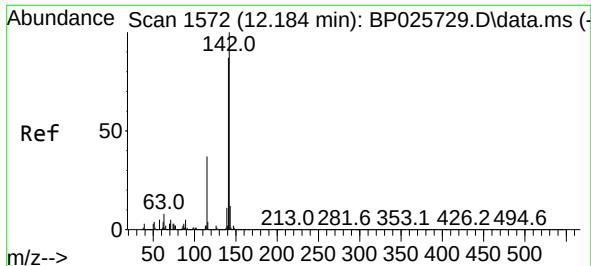
Tgt Ion: 82 Resp: 288165
 Ion Ratio Lower Upper
 82 100
 128 40.9 32.9 49.3
 54 54.5 43.4 65.2



#31
 Naphthalene
 Concen: 6.744 ng
 RT: 10.566 min Scan# 1297
 Delta R.T. -0.012 min
 Lab File: BP025807.D
 Acq: 19 Sep 2025 20:37

Tgt Ion: 128 Resp: 261759
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 12.8
 127 13.9 10.2 15.4

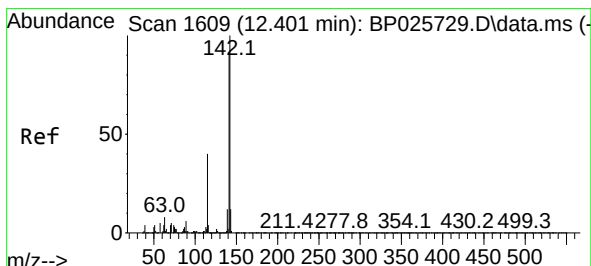
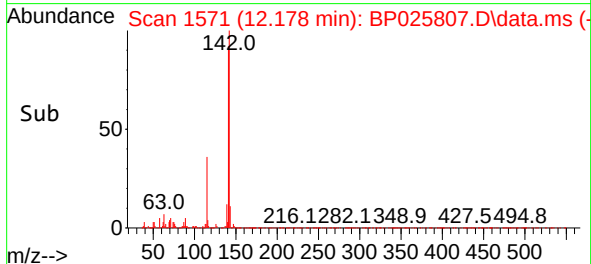
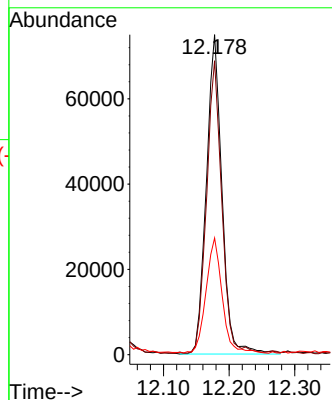
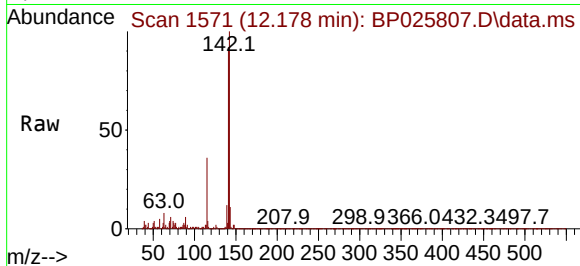




#37
2-Methylnaphthalene
Concen: 5.002 ng
RT: 12.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

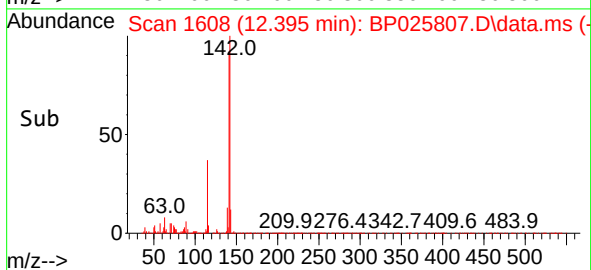
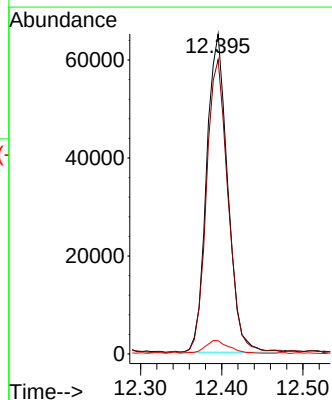
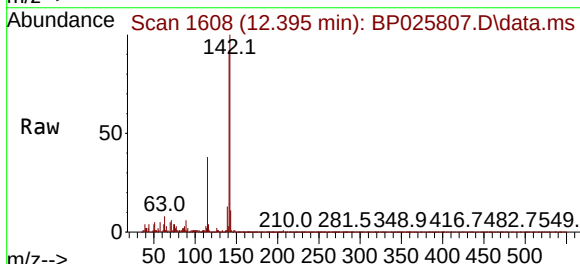
Instrument :
BNA_P
ClientSampleId :

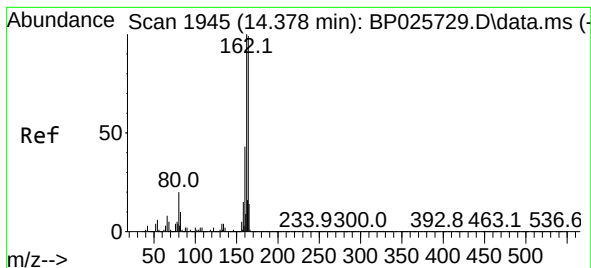
Tgt Ion:142 Resp: 124685
Ion Ratio Lower Upper
142 100
141 91.8 69.6 104.4
115 36.5 30.0 45.0



#38
1-Methylnaphthalene
Concen: 4.413 ng
RT: 12.395 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:142 Resp: 117319
Ion Ratio Lower Upper
142 100
141 92.0 72.7 109.1
116 4.2 3.5 5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.366 min Scan# 1943

Delta R.T. -0.012 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

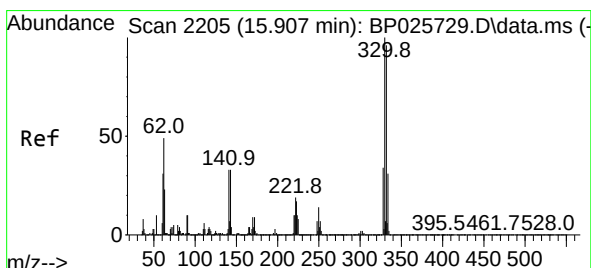
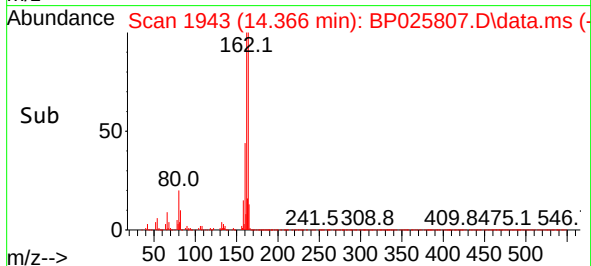
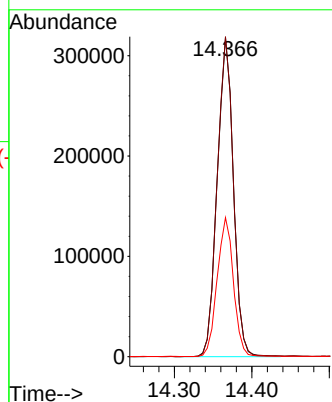
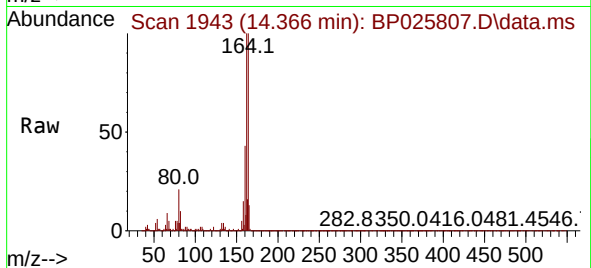
Tgt Ion:164 Resp: 461754

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

160 43.6 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 29.027 ng

RT: 15.895 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

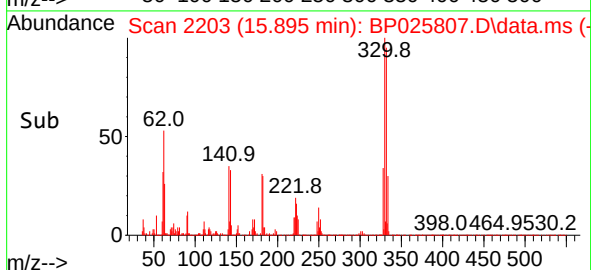
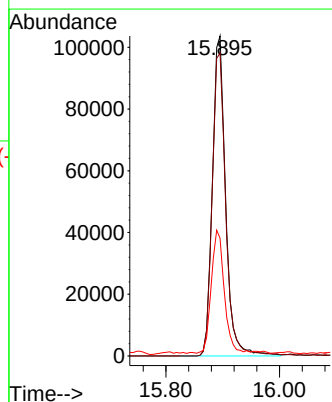
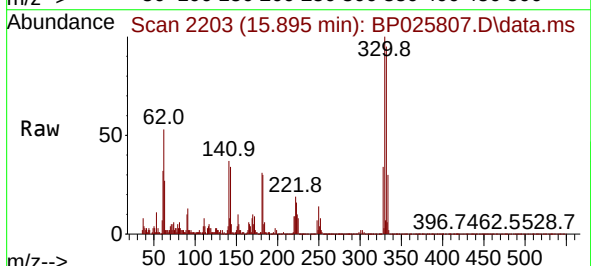
Tgt Ion:330 Resp: 167178

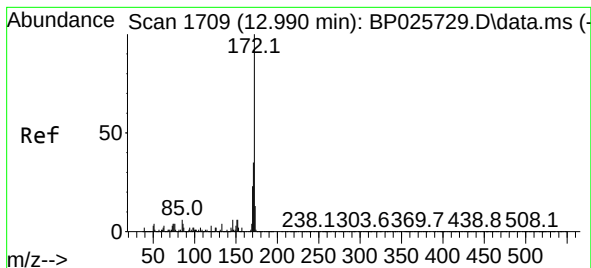
Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

141 38.0 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 19.958 ng

RT: 12.972 min Scan# 1706

Delta R.T. -0.018 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

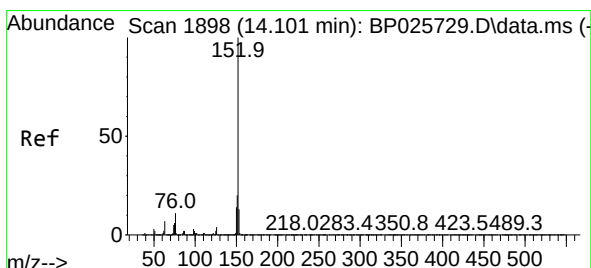
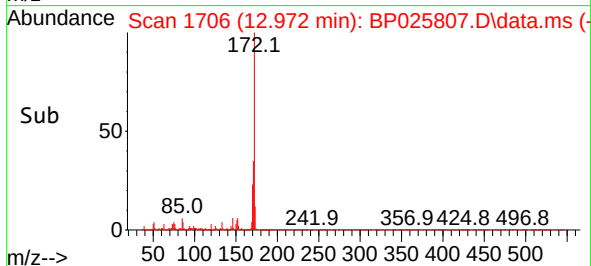
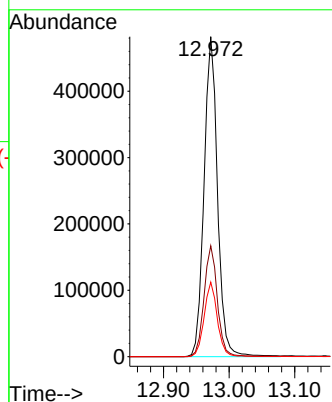
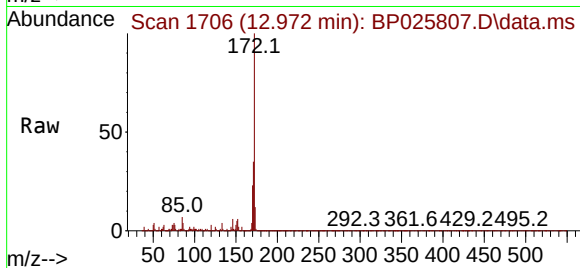
Tgt Ion:172 Resp: 692128

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.3 18.6 27.8



#49

Acenaphthylene

Concen: 14.765 ng

RT: 14.084 min Scan# 1895

Delta R.T. -0.018 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

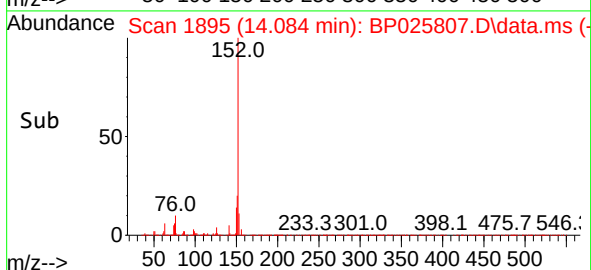
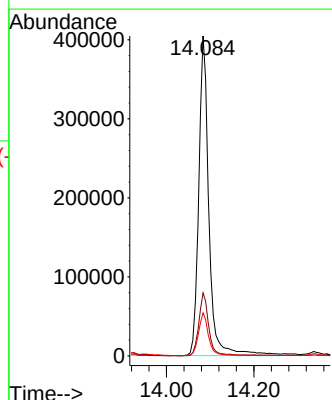
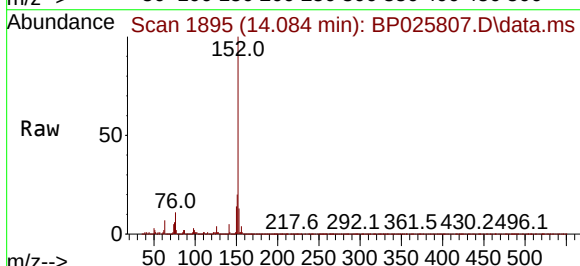
Tgt Ion:152 Resp: 652884

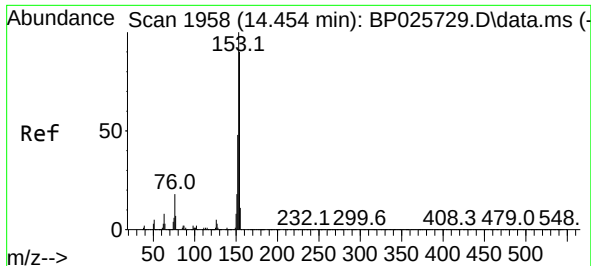
Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.4 10.5 15.7

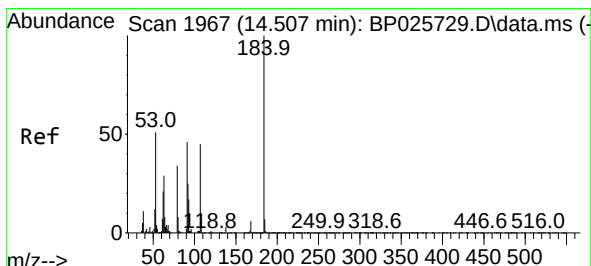
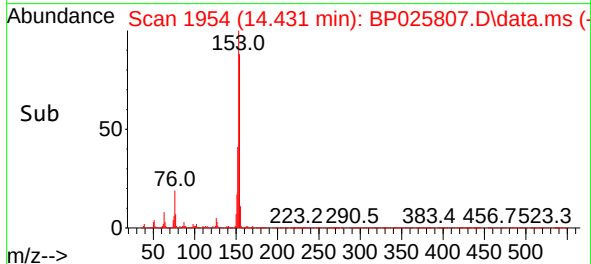
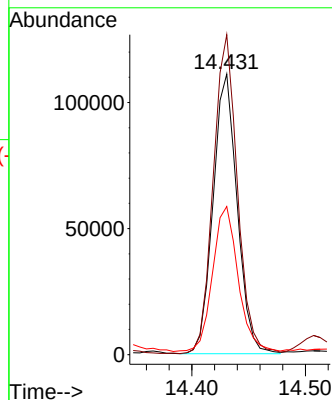
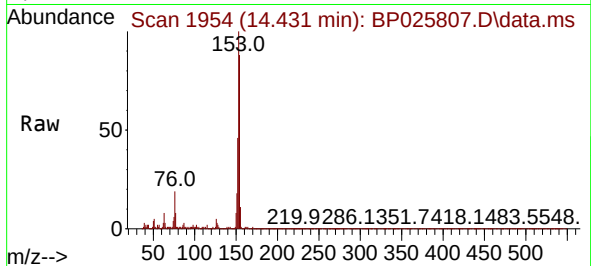




#52
Acenaphthene
Concen: 6.414 ng
RT: 14.431 min Scan# 1954
Delta R.T. -0.024 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

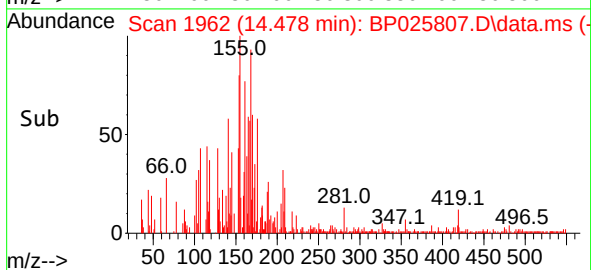
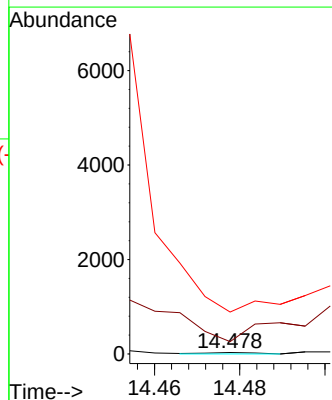
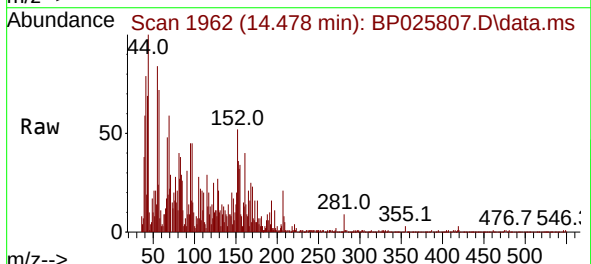
Instrument :
BNA_P
ClientSampleId :

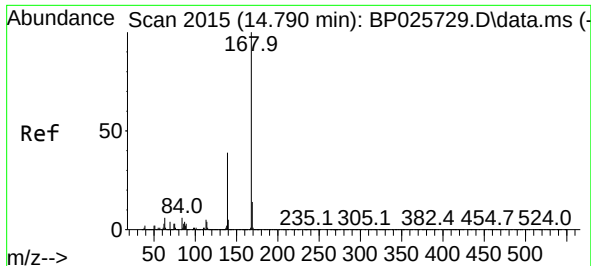
Tgt Ion:154 Resp: 163559
Ion Ratio Lower Upper
154 100
153 114.0 89.4 134.0
152 52.8 42.5 63.7



#54
2,4-Dinitrophenol
Concen: 4.829 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.029 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:184 Resp: 23
Ion Ratio Lower Upper
184 100
63 870.0 52.5 78.7#
154 2963.3 51.5 77.3#

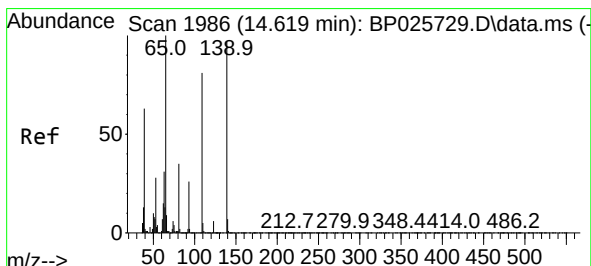
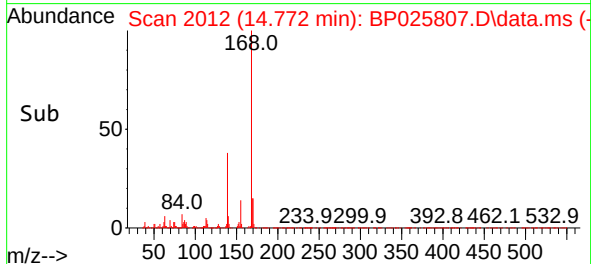
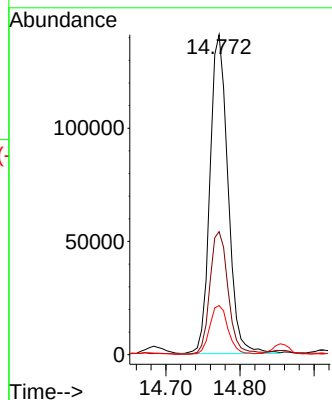
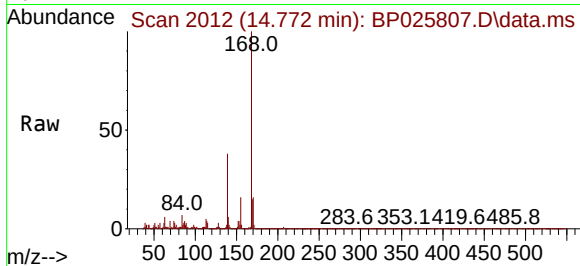




#55
Dibenzenofuran
Concen: 5.717 ng
RT: 14.772 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

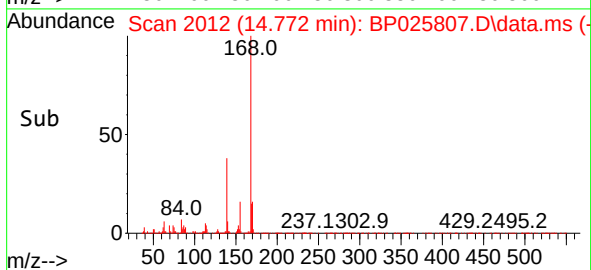
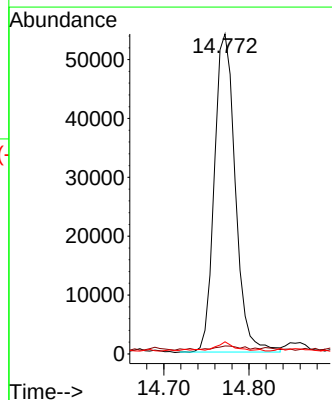
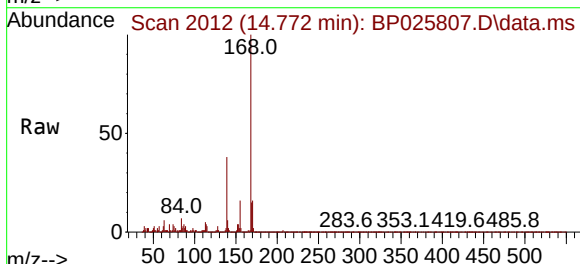
Instrument :
BNA_P
ClientSampleId :

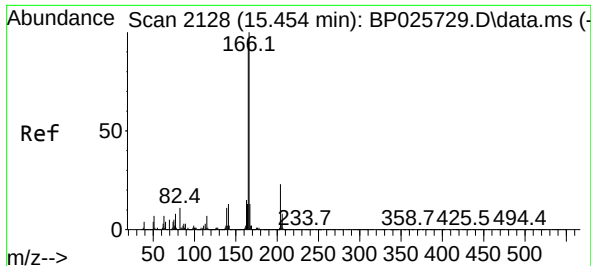
Tgt Ion:168 Resp: 237614
Ion Ratio Lower Upper
168 100
139 38.5 31.7 47.5
169 15.3 10.8 16.2



#56
4-Nitrophenol
Concen: 17.374 ng
RT: 14.772 min Scan# 2012
Delta R.T. 0.153 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:139 Resp: 92376
Ion Ratio Lower Upper
139 100
109 2.5 62.9 102.9#
65 3.8 83.4 123.4#

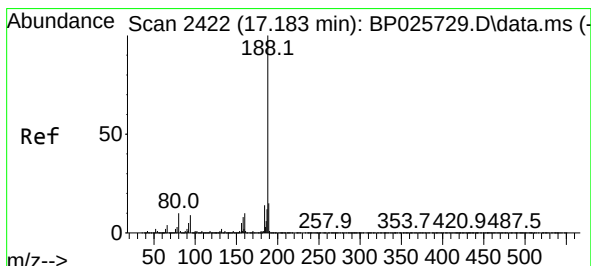
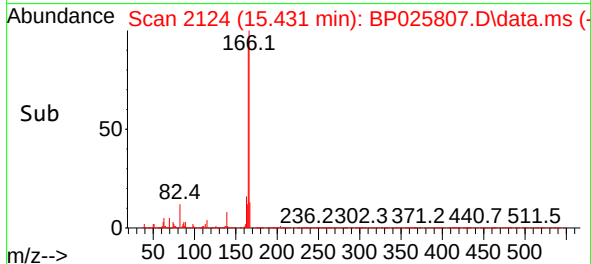
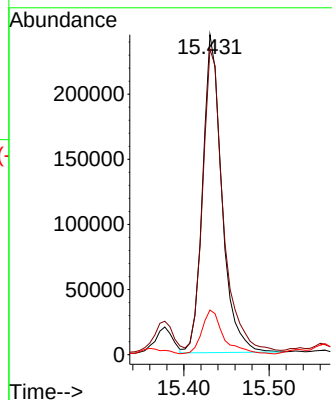
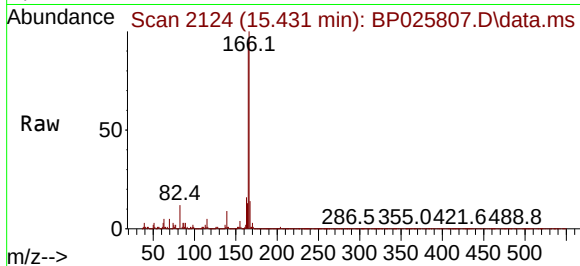




#58
Fluorene
Concen: 11.567 ng
RT: 15.431 min Scan# 2128
Delta R.T. -0.024 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

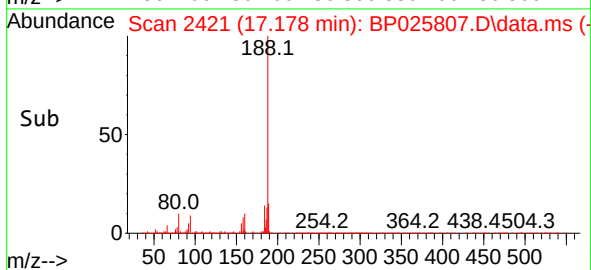
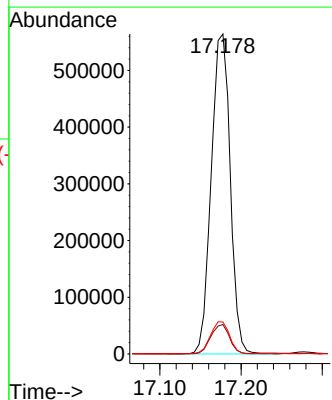
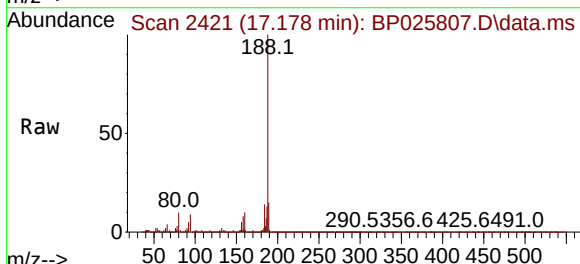
Instrument :
BNA_P
ClientSampleId :

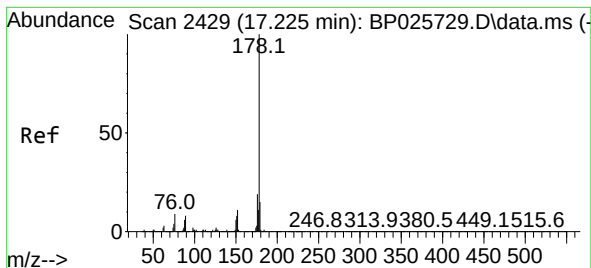
Tgt Ion:166 Resp: 382278
Ion Ratio Lower Upper
166 100
165 95.5 77.7 116.5
167 13.9 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:188 Resp: 917004
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.0
80 10.0 7.7 11.5





#71

Phenanthrene

Concen: 55.326 ng

RT: 17.219 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

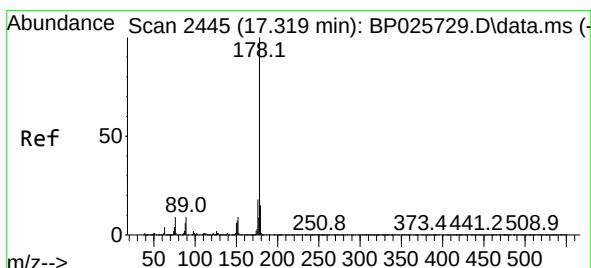
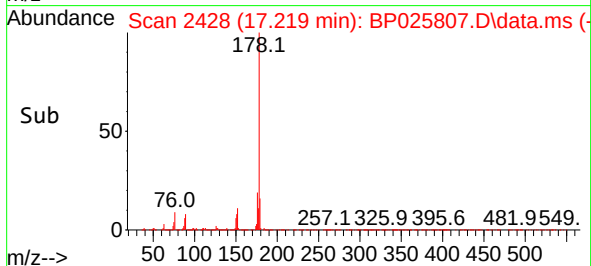
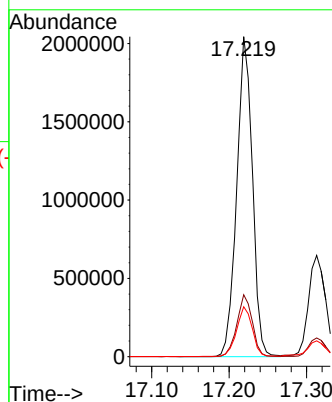
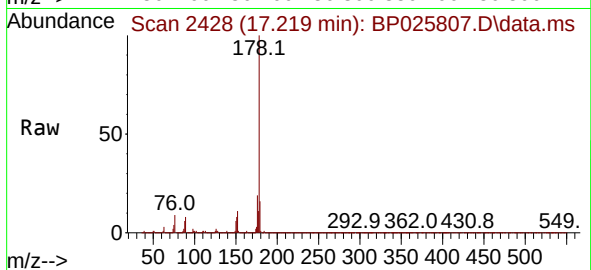
Tgt Ion:178 Resp: 2877944

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.6 12.2 18.4



#72

Anthracene

Concen: 18.161 ng

RT: 17.313 min Scan# 2444

Delta R.T. -0.006 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

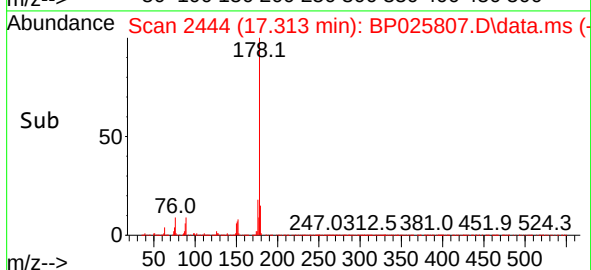
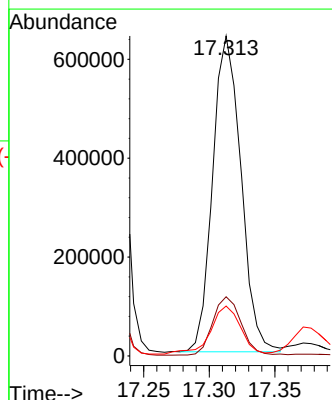
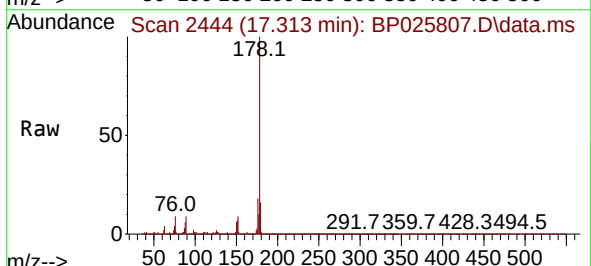
Tgt Ion:178 Resp: 958524

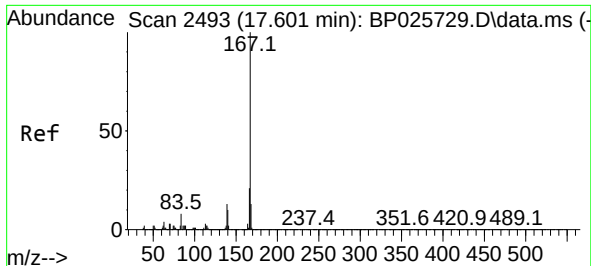
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.6 12.2 18.4

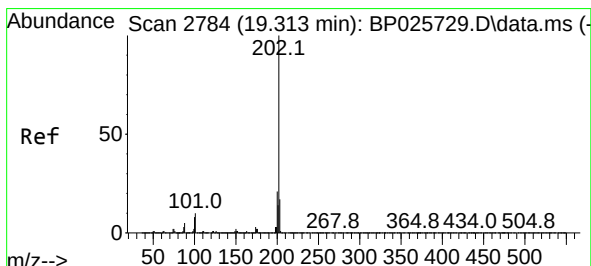
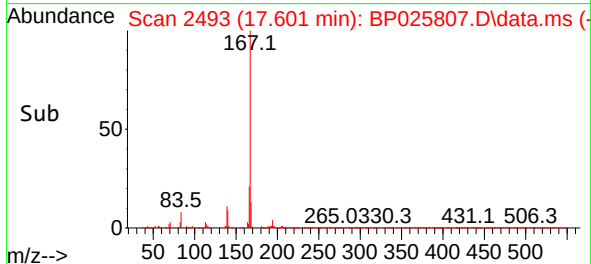
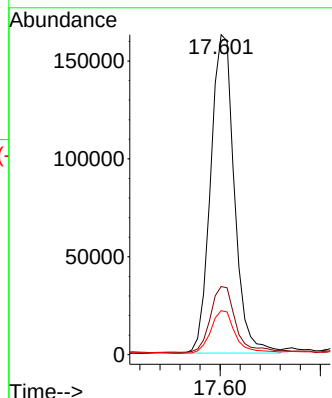
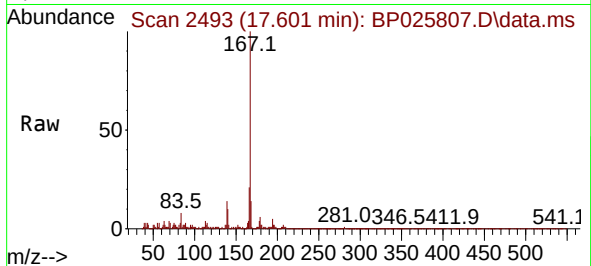




#73
 Carbazole
 Concen: 5.456 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BP025807.D
 Acq: 19 Sep 2025 20:37

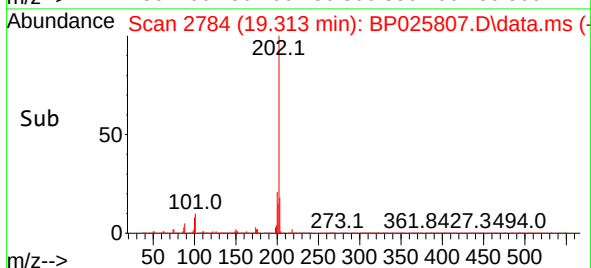
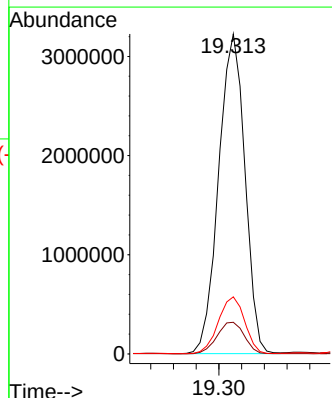
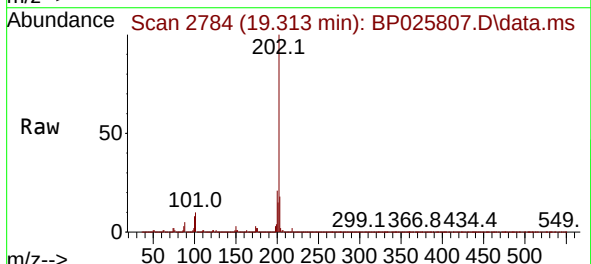
Instrument :
 BNA_P
 ClientSampleId :

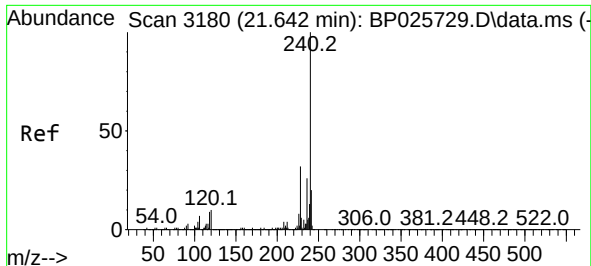
Tgt Ion:167 Resp: 267710
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.4
 139 13.8 10.6 16.0



#75
 Fluoranthene
 Concen: 83.026 ng
 RT: 19.313 min Scan# 2784
 Delta R.T. -0.000 min
 Lab File: BP025807.D
 Acq: 19 Sep 2025 20:37

Tgt Ion:202 Resp: 5179639
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.4
 203 17.8 0.0 37.4

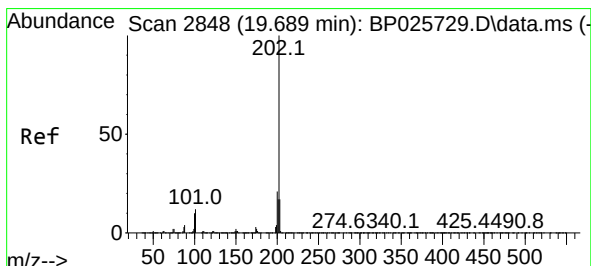
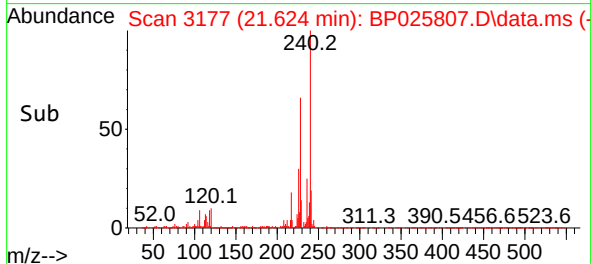
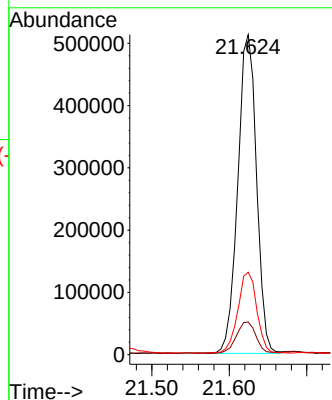
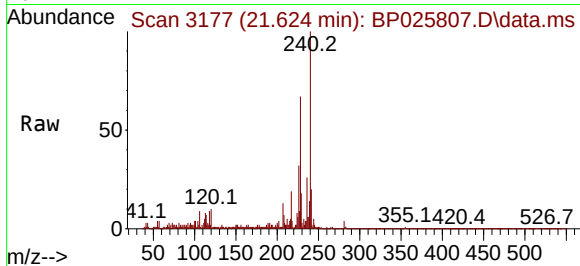




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3180
Delta R.T. -0.018 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

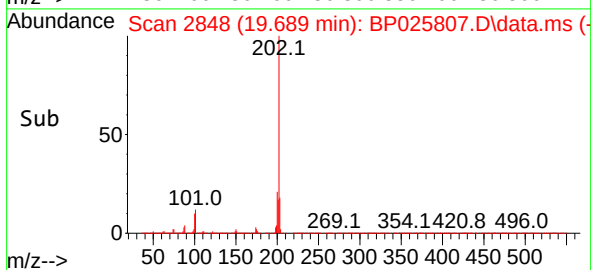
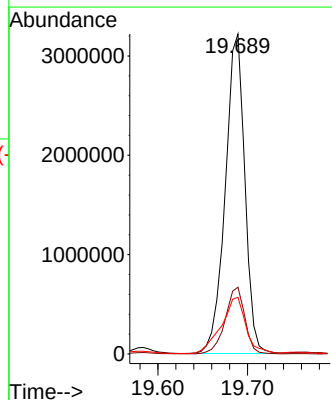
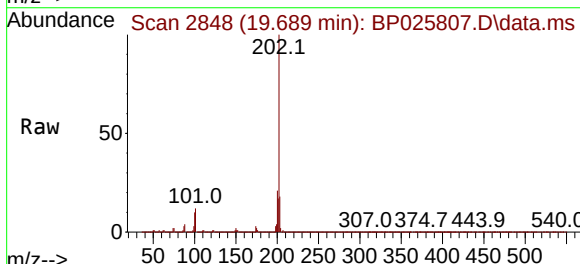
Instrument :
BNA_P
ClientSampleId :

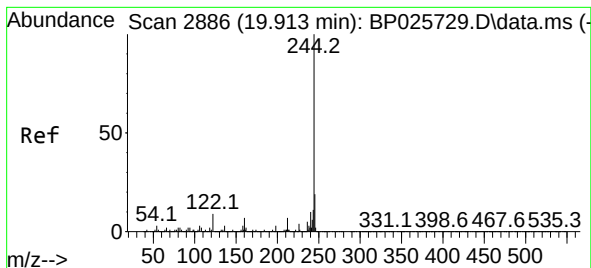
Tgt Ion:240 Resp: 861967
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.7 20.7 31.1



#78
Pyrene
Concen: 84.565 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.000 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:202 Resp: 4863751
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 17.7 13.9 20.9





#79

Terphenyl-d14

Concen: 21.157 ng

RT: 19.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

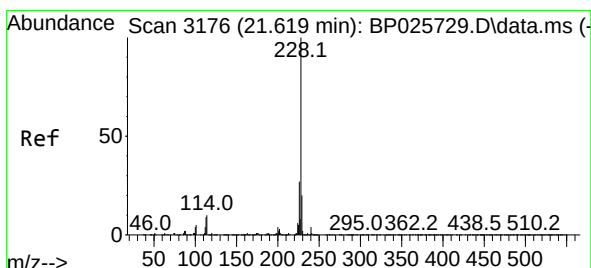
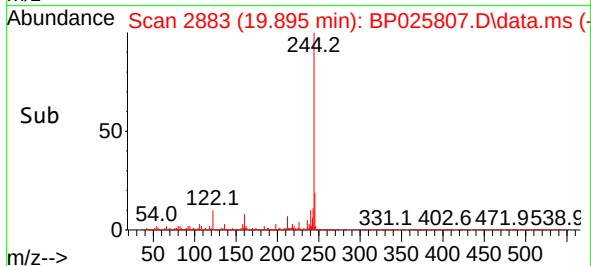
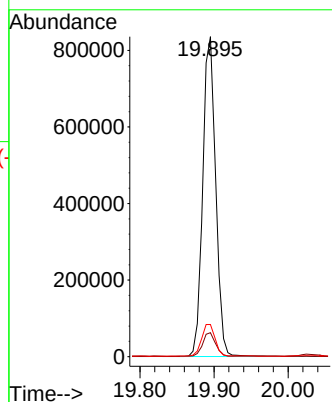
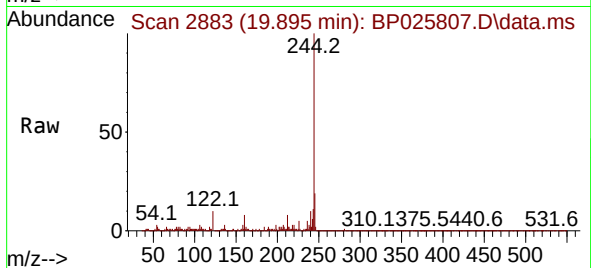
Tgt Ion:244 Resp: 1013704

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 10.0 7.1 10.7



#81

Benzo(a)anthracene

Concen: 54.684 ng

RT: 21.601 min Scan# 3173

Delta R.T. -0.018 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

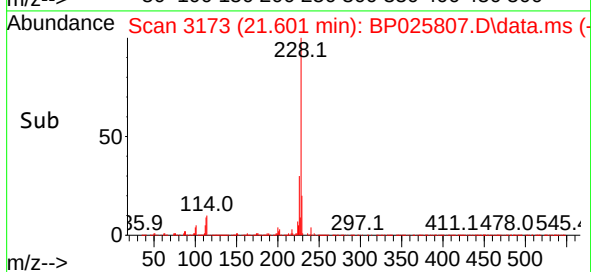
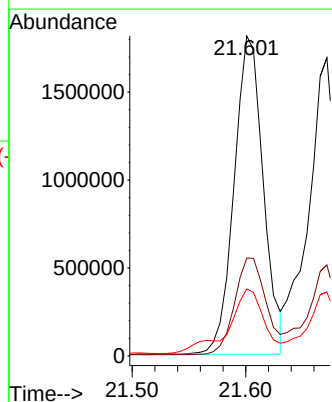
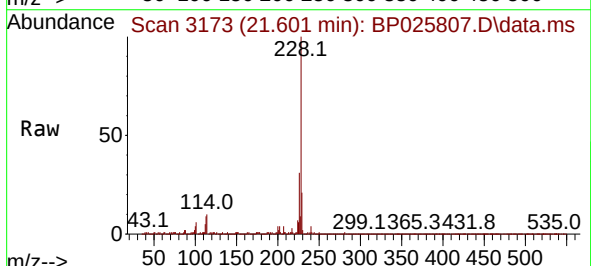
Tgt Ion:228 Resp: 3226997

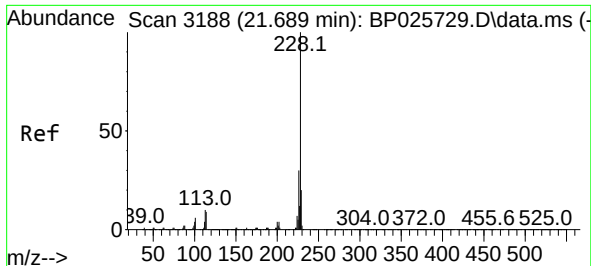
Ion Ratio Lower Upper

228 100

226 30.6 21.6 32.4

229 20.9 15.7 23.5

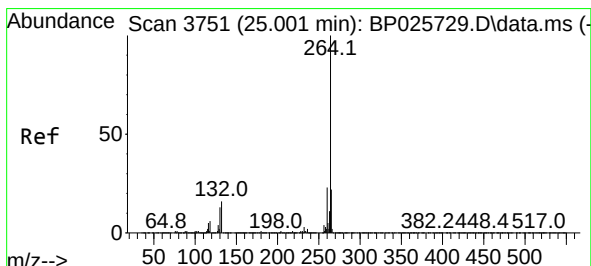
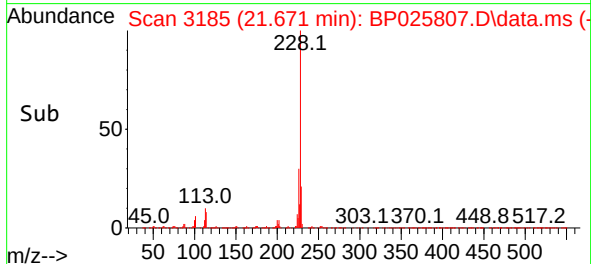
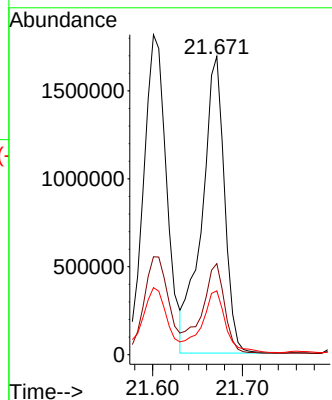
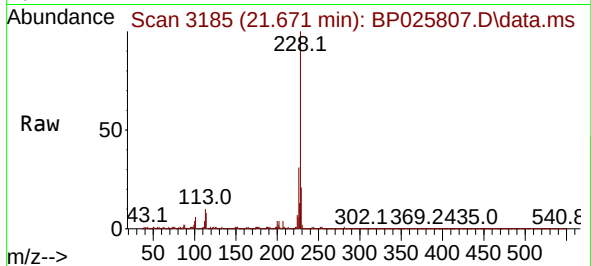




#83
Chrysene
Concen: 52.420 ng
RT: 21.671 min Scan# 3185
Delta R.T. -0.018 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

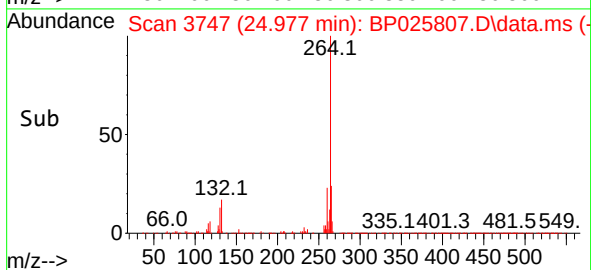
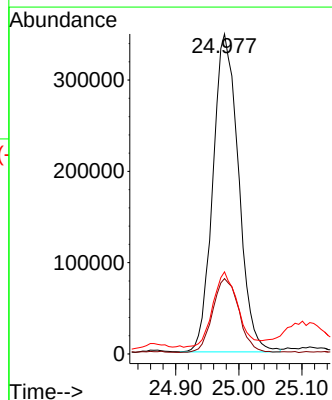
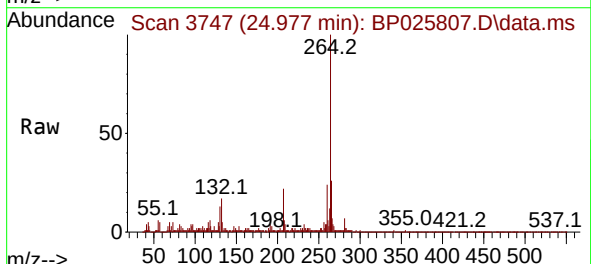
Instrument :
BNA_P
ClientSampleId :

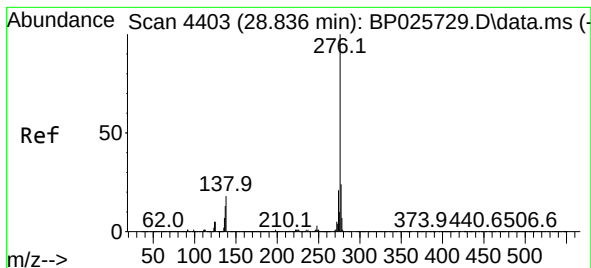
Tgt Ion:228 Resp: 2948795
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 21.4 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3747
Delta R.T. -0.024 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:264 Resp: 979860
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 25.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 31.129 ng

RT: 28.830 min Scan# 4403

Delta R.T. -0.006 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

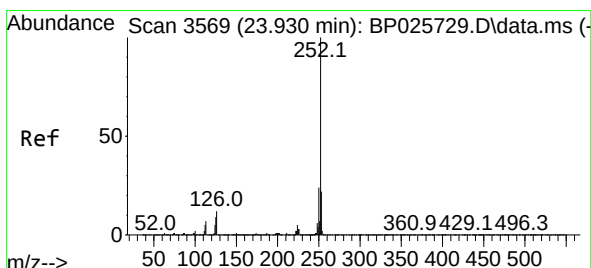
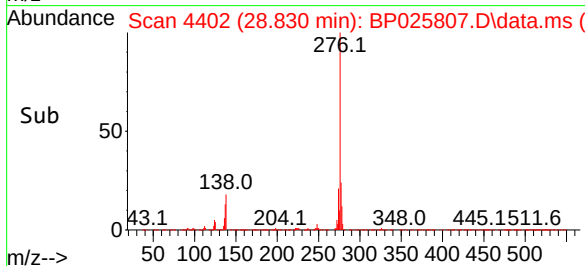
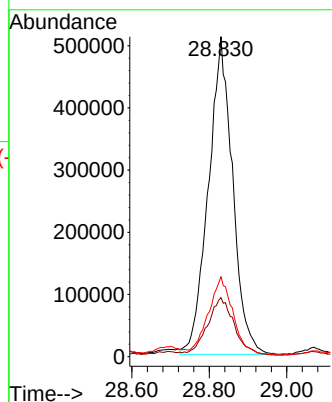
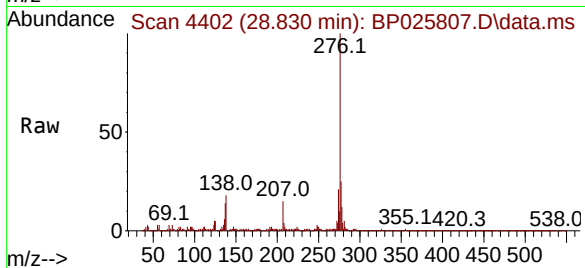
Tgt Ion:276 Resp: 2218196

Ion Ratio Lower Upper

276 100

138 19.6 13.4 20.2

277 25.0 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 69.244 ng

RT: 23.918 min Scan# 3567

Delta R.T. -0.012 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

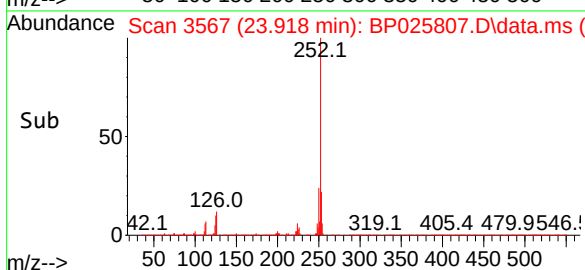
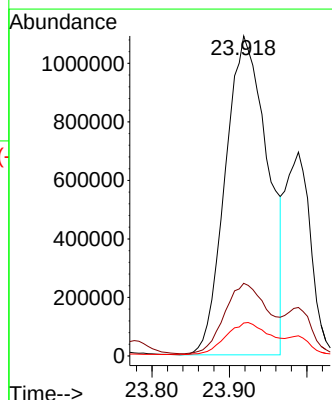
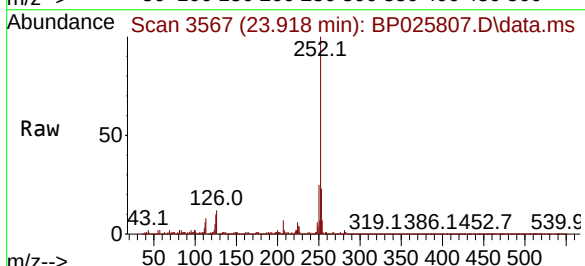
Tgt Ion:252 Resp: 4149144

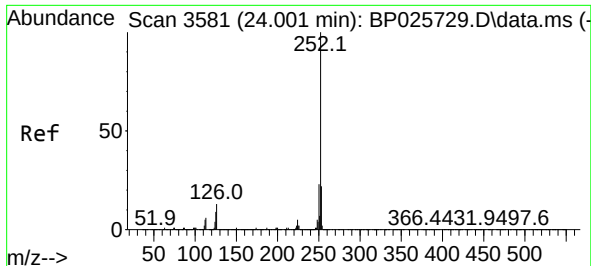
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 10.3 7.3 10.9

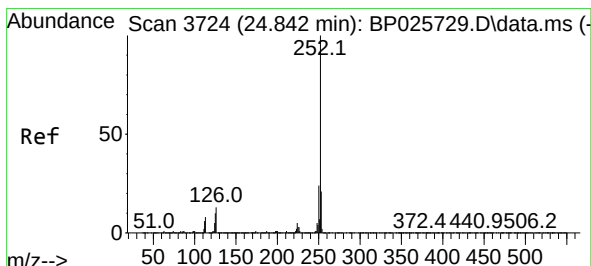
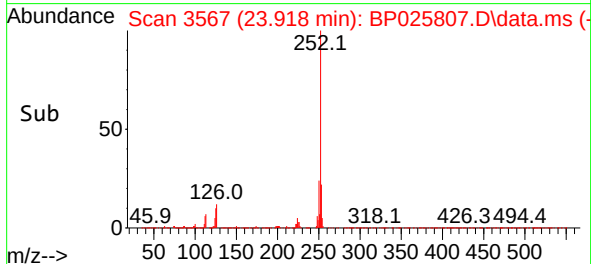
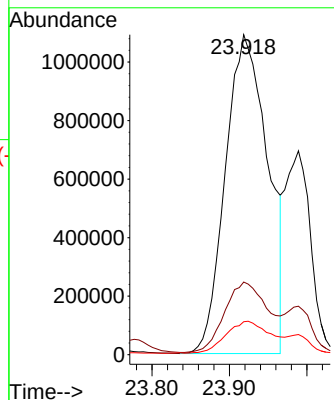
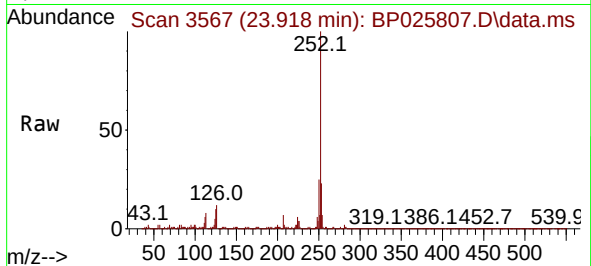




#89
Benzo(k)fluoranthene
Concen: 67.858 ng
RT: 23.918 min Scan# 3567
Delta R.T. -0.082 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

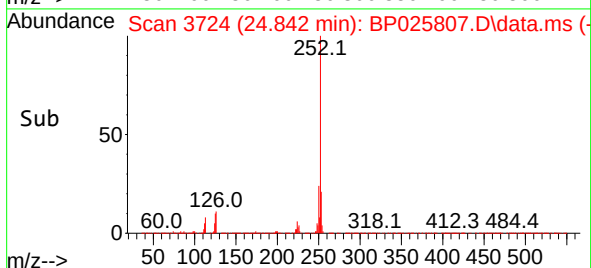
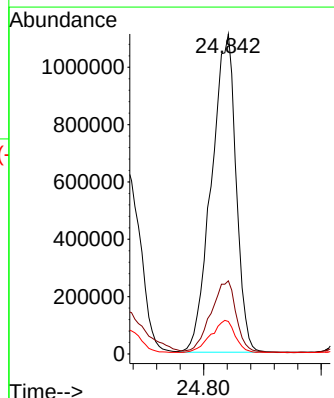
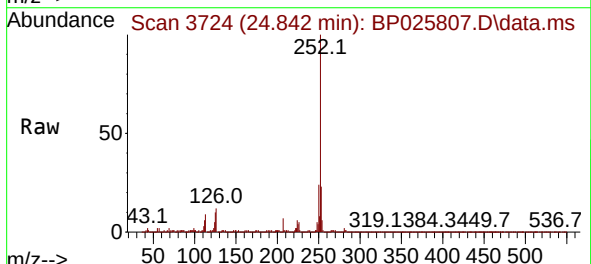
Instrument :
BNA_P
ClientSampleId :

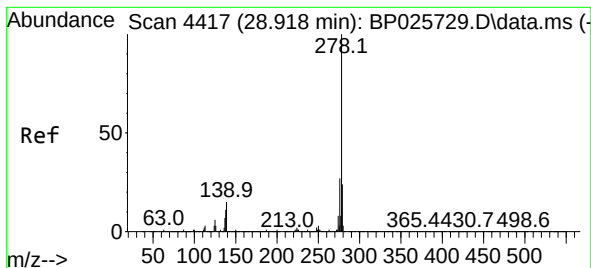
Tgt Ion:252 Resp: 4149144
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.3 7.5 11.3



#90
Benzo(a)pyrene
Concen: 54.855 ng
RT: 24.842 min Scan# 3724
Delta R.T. -0.000 min
Lab File: BP025807.D
Acq: 19 Sep 2025 20:37

Tgt Ion:252 Resp: 3218875
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 10.2 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 10.184 ng

RT: 28.871 min Scan# 4417

Delta R.T. -0.047 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

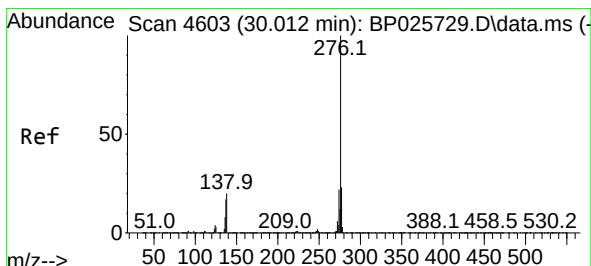
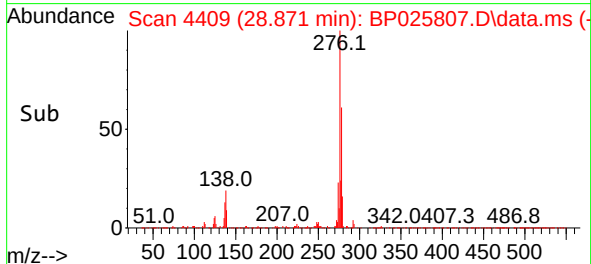
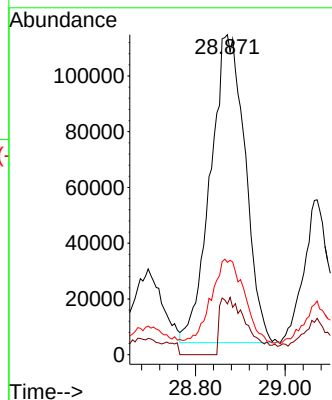
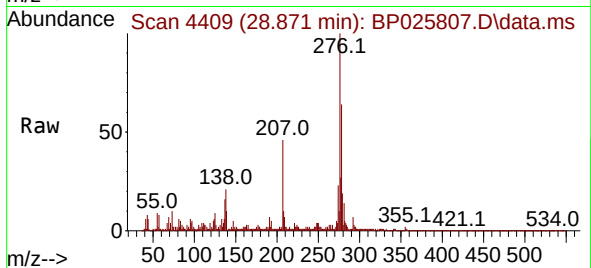
Tgt Ion:278 Resp: 593828

Ion Ratio Lower Upper

278 100

139 15.8 12.1 18.1

279 28.9 19.6 29.4



#92

Benzo(g,h,i)perylene

Concen: 36.363 ng

RT: 30.000 min Scan# 4601

Delta R.T. -0.012 min

Lab File: BP025807.D

Acq: 19 Sep 2025 20:37

Tgt Ion:276 Resp: 2085261

Ion Ratio Lower Upper

276 100

277 24.5 18.7 28.1

138 20.7 16.0 24.0

