

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025814.D
 Acq On : 22 Sep 2025 15:46
 Operator : CG/JU
 Sample : Q3126-01DL 4X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-091725DL

Quant Time: Sep 22 16:09:13 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)

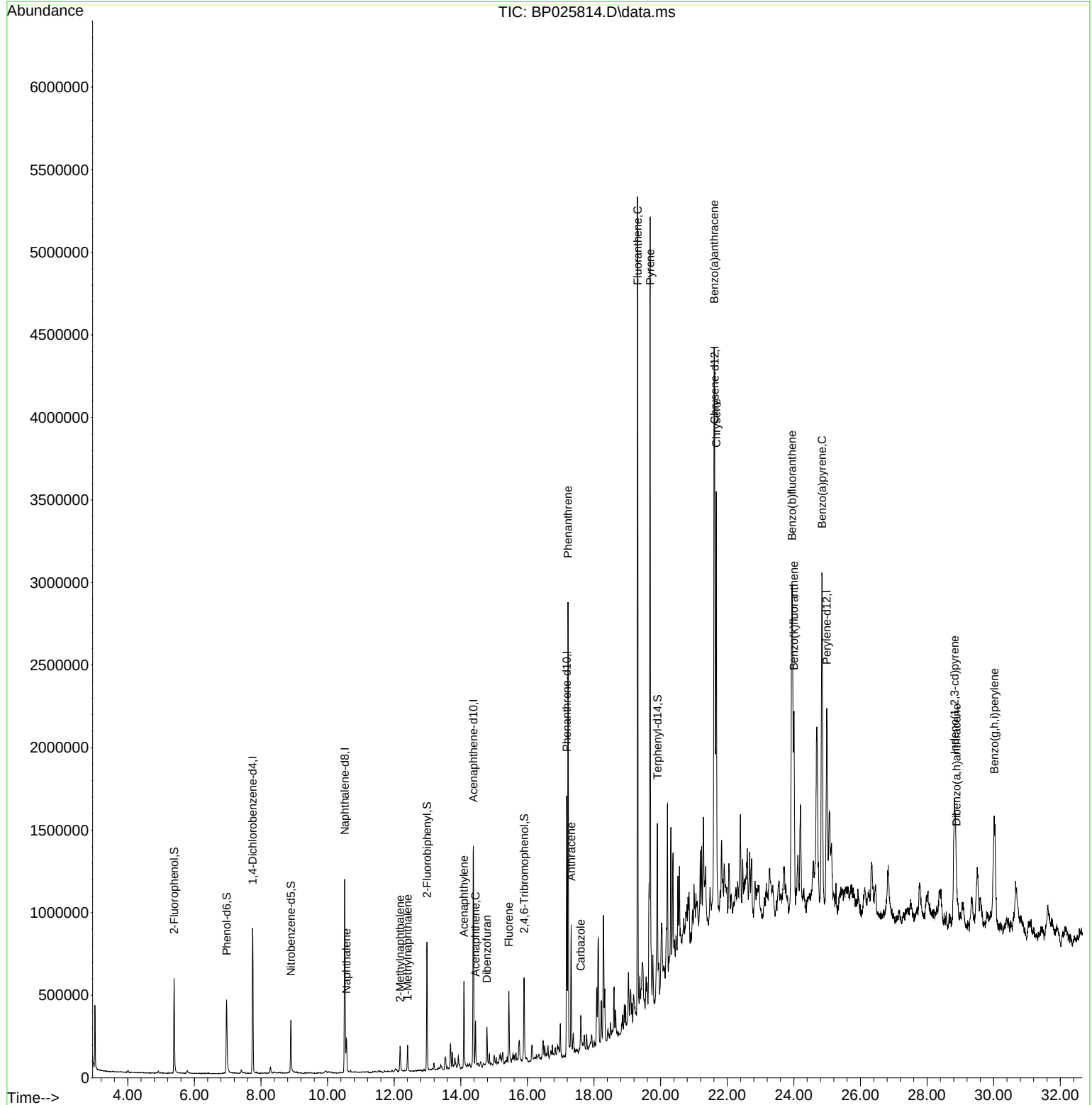
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	249529	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	942740	20.000	ng	-0.01
39) Acenaphthene-d10	14.378	164	520175	20.000	ng	0.00
64) Phenanthrene-d10	17.178	188	865329	20.000	ng	0.00
76) Chrysene-d12	21.625	240	978754	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1178980	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	261877	16.934	ng	0.00
7) Phenol-d6	6.966	99	322813	15.705	ng	0.02
23) Nitrobenzene-d5	8.896	82	205373	9.609	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	88366	13.620	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	445985	11.416	ng	0.00
79) Terphenyl-d14	19.901	244	586383	10.778	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.566	128	179423	3.530	ng	98
37) 2-Methylnaphthalene	12.178	142	80611	2.469	ng	96
38) 1-Methylnaphthalene	12.402	142	78895m	2.266	ng	
49) Acenaphthylene	14.096	152	369791	7.424	ng	98
52) Acenaphthene	14.443	154	94558	3.292	ng	95
55) Dibenzofuran	14.784	168	131773	2.815	ng	# 94
58) Fluorene	15.443	166	206491	5.546	ng	99
71) Phenanthrene	17.219	178	1521327	30.993	ng	99
72) Anthracene	17.313	178	499794	10.035	ng	99
73) Carbazole	17.601	167	138452	2.990	ng	98
75) Fluoranthene	19.307	202	2830359	48.078	ng	99
78) Pyrene	19.683	202	2798823	42.856	ng	99
81) Benzo(a)anthracene	21.607	228	1945701	29.037	ng	97
83) Chrysene	21.672	228	1850443m	28.970	ng	
87) Indeno(1,2,3-cd)pyrene	28.824	276	1425750	16.629	ng	# 82
88) Benzo(b)fluoranthene	23.948	252	2604550	36.126	ng	98
89) Benzo(k)fluoranthene	24.001	252	880572	11.969	ng	96
90) Benzo(a)pyrene	24.842	252	2065409	29.253	ng	97
91) Dibenzo(a,h)anthracene	28.883	278	371743	5.298	ng	# 91
92) Benzo(g,h,i)perylene	30.018	276	1370023m	19.856	ng	

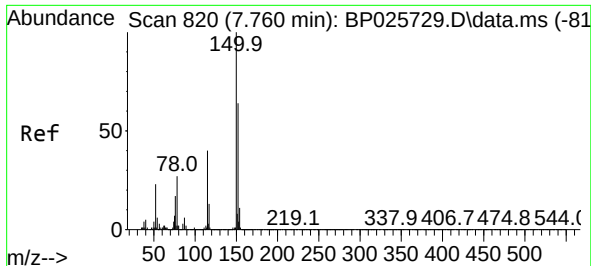
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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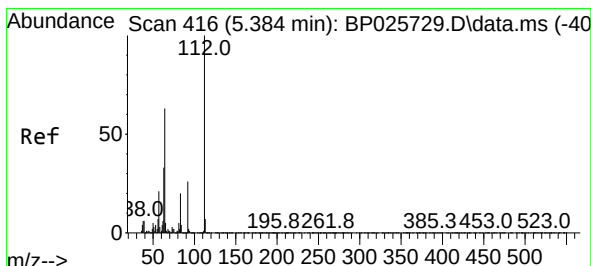
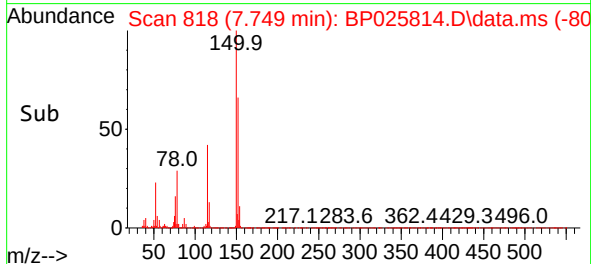
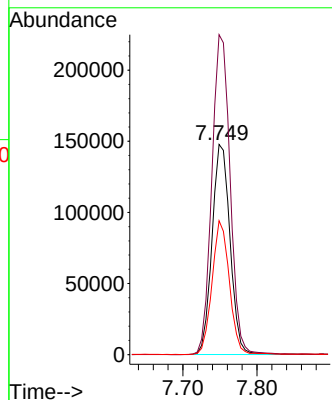
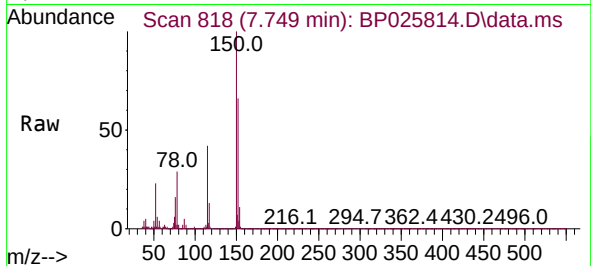




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.749 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BP025814.D
 Acq: 22 Sep 2025 15:46

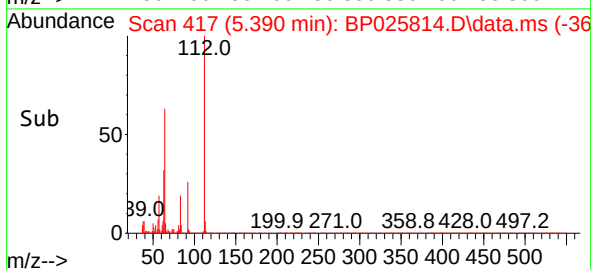
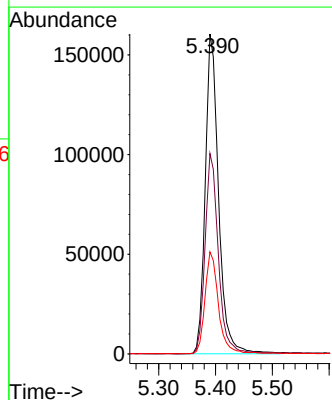
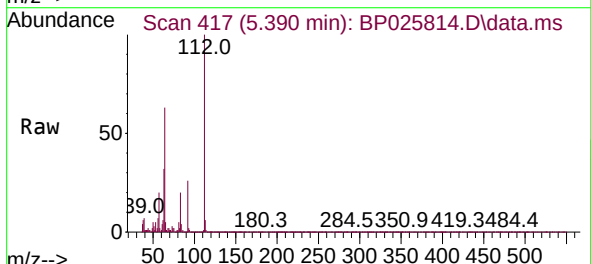
Instrument :
 BNA_P
 ClientSampleId :
 OK-01-091725DL

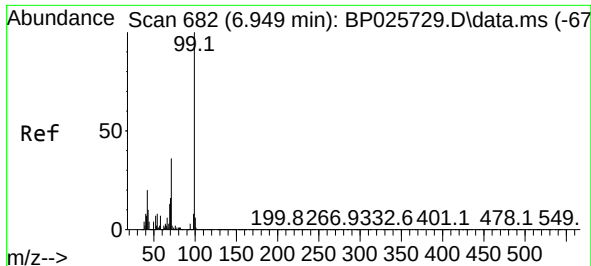
Tgt Ion:152 Resp: 249529
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.3 186.5
 115 63.7 50.3 75.5



#5
 2-Fluorophenol
 Concen: 16.934 ng
 RT: 5.390 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BP025814.D
 Acq: 22 Sep 2025 15:46

Tgt Ion:112 Resp: 261877
 Ion Ratio Lower Upper
 112 100
 64 62.6 50.2 75.4
 63 31.9 26.7 40.1

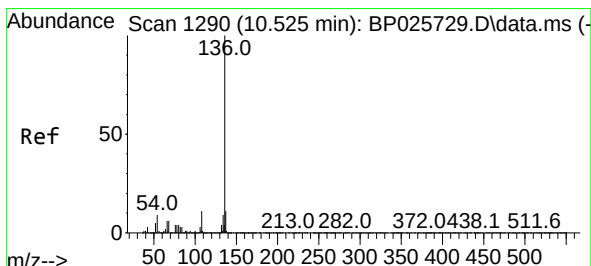
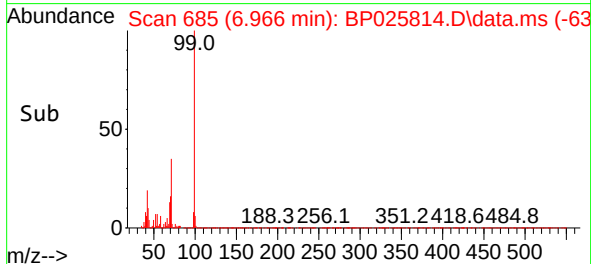
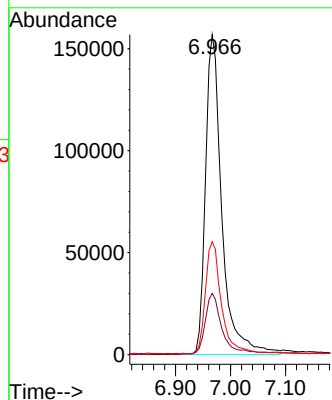
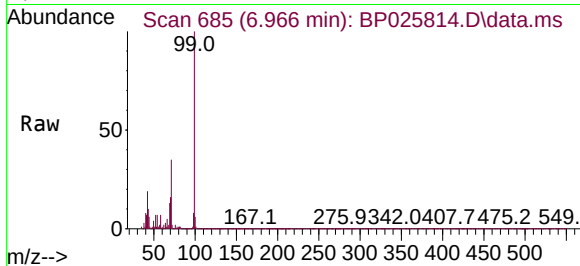




#7
Phenol-d6
Concen: 15.705 ng
RT: 6.966 min Scan# 68
Delta R.T. 0.018 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

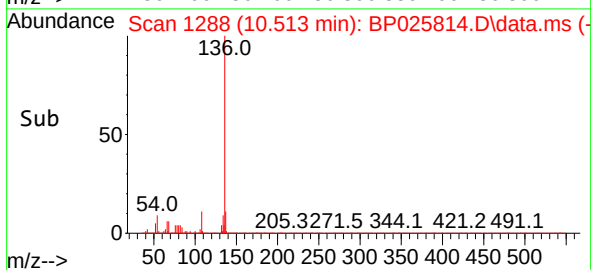
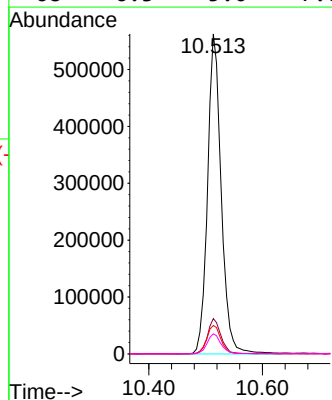
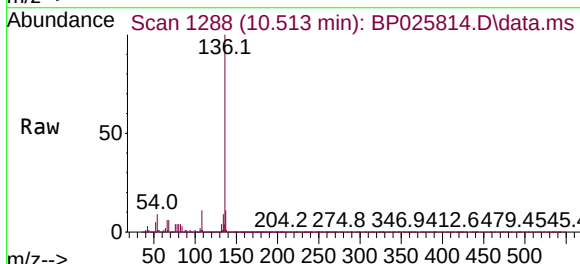
Instrument :
BNA_P
ClientSampleId :
OK-01-091725DL

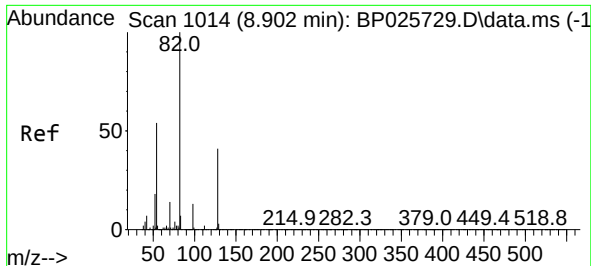
Tgt Ion:	99	Resp:	322813
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.6	23.4
71	35.3	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

Tgt Ion:	136	Resp:	942740
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.9	7.5	11.3
68	6.3	5.0	7.6

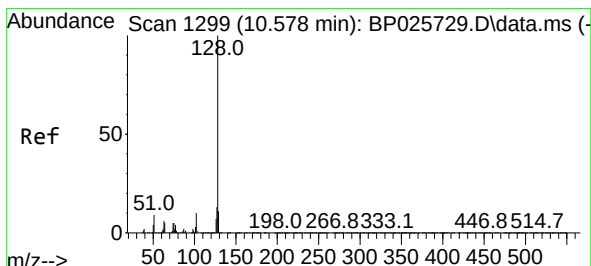
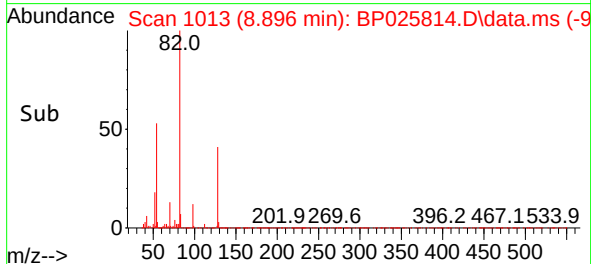
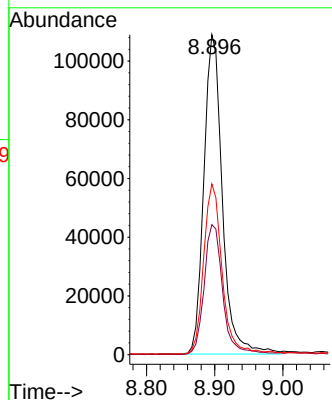
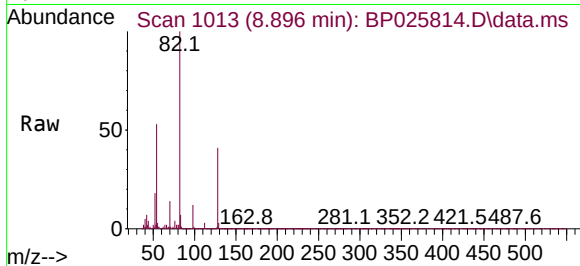




#23
Nitrobenzene-d5
Concen: 9.609 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

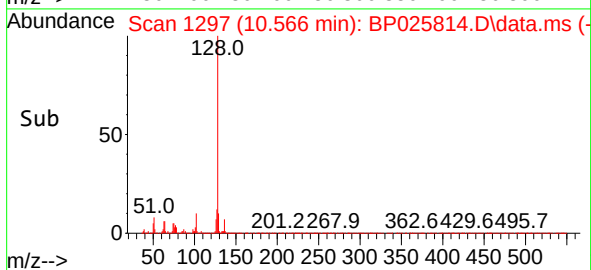
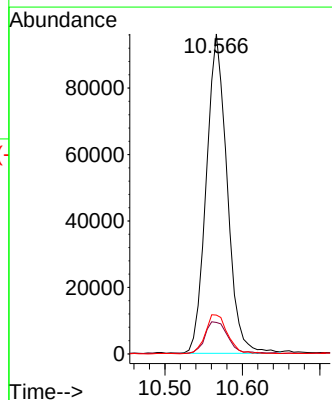
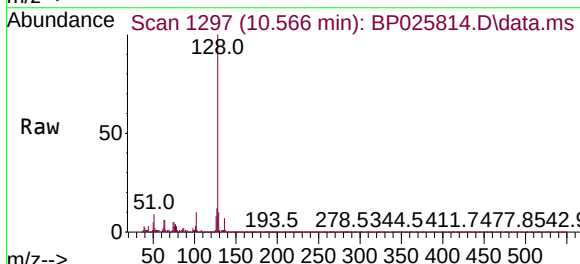
Instrument :
BNA_P
ClientSampleId :
OK-01-091725DL

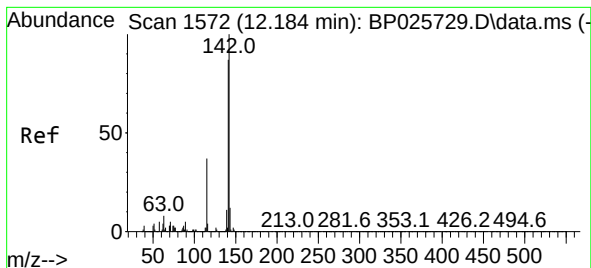
Tgt Ion: 82 Resp: 205373
Ion Ratio Lower Upper
82 100
128 40.6 32.9 49.3
54 53.3 43.4 65.2



#31
Naphthalene
Concen: 3.530 ng
RT: 10.566 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

Tgt Ion: 128 Resp: 179423
Ion Ratio Lower Upper
128 100
129 9.9 8.6 12.8
127 12.1 10.2 15.4

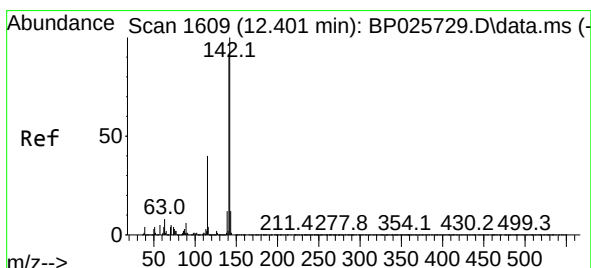
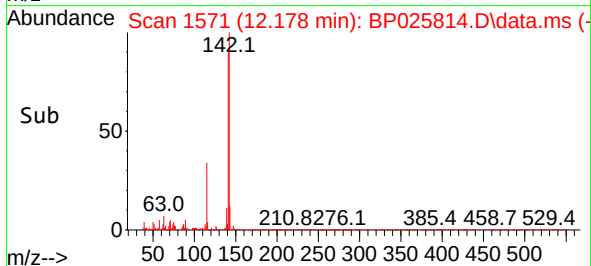
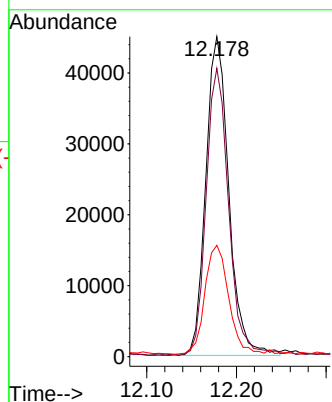
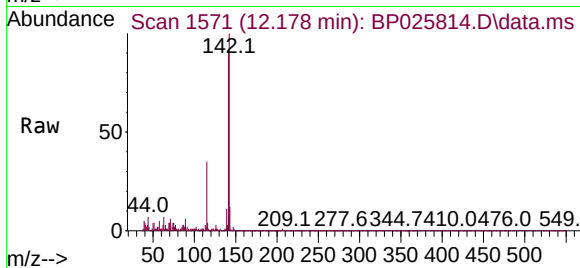




#37
2-Methylnaphthalene
Concen: 2.469 ng
RT: 12.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

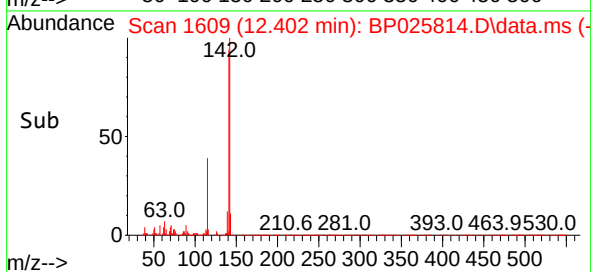
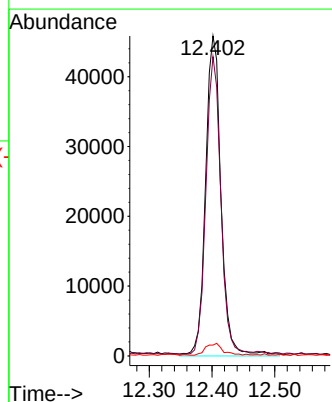
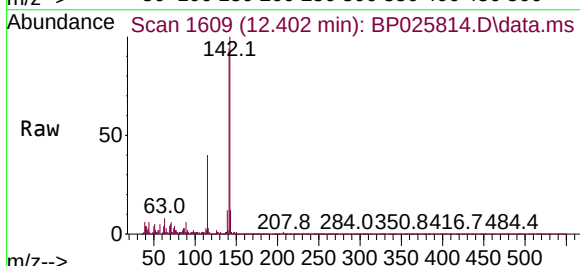
Instrument :
BNA_P
ClientSampleId :
OK-01-091725DL

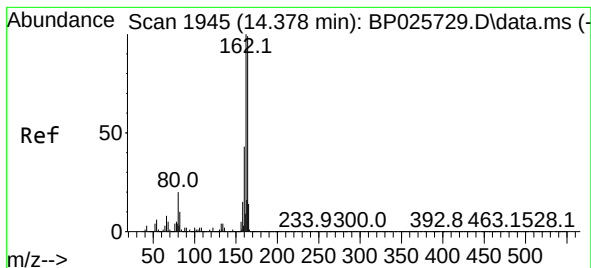
Tgt Ion:142 Resp: 80611
Ion Ratio Lower Upper
142 100
141 90.1 69.6 104.4
115 34.8 30.0 45.0



#38
1-Methylnaphthalene
Concen: 2.266 ng m
RT: 12.402 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

Tgt Ion:142 Resp: 78895
Ion Ratio Lower Upper
142 100
141 93.5 72.7 109.1
116 3.4 3.5 5.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.378 min Scan# 1945

Delta R.T. 0.000 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

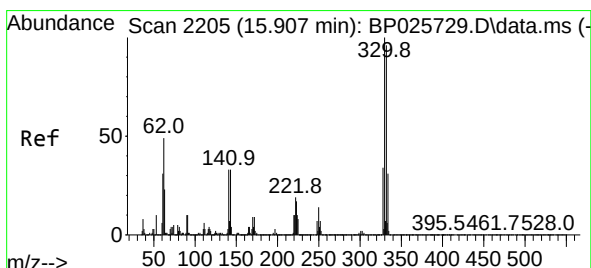
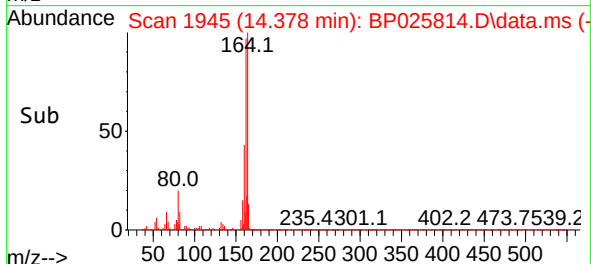
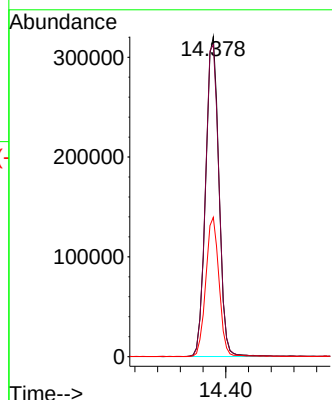
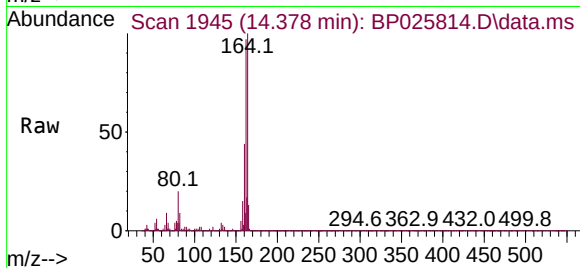
Tgt Ion:164 Resp: 520175

Ion Ratio Lower Upper

164 100

162 97.5 80.6 120.8

160 43.5 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 13.620 ng

RT: 15.901 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

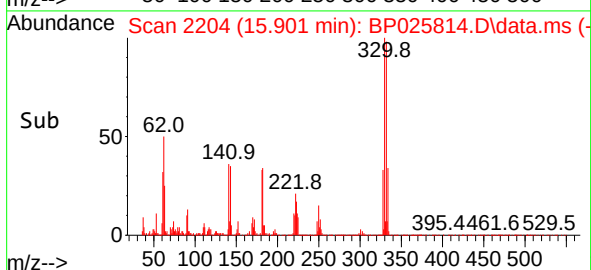
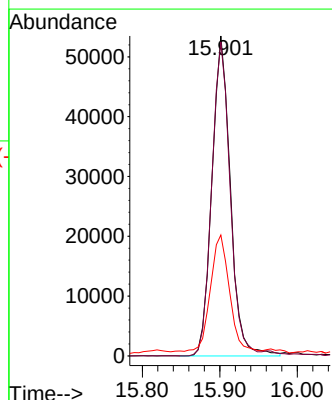
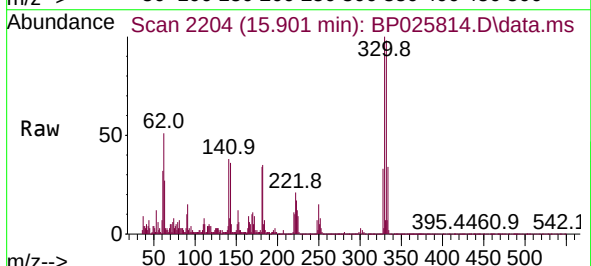
Tgt Ion:330 Resp: 88366

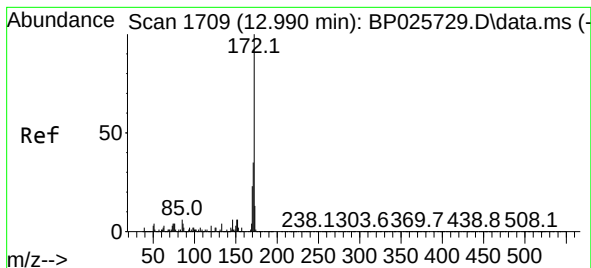
Ion Ratio Lower Upper

330 100

332 97.9 76.9 115.3

141 39.1 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 11.416 ng

RT: 12.984 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

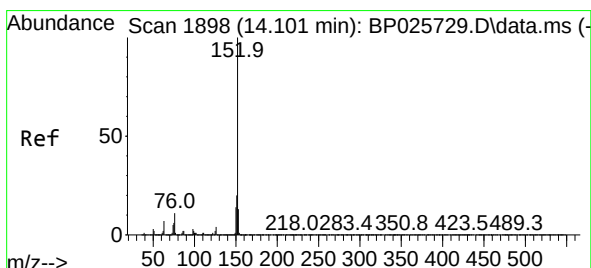
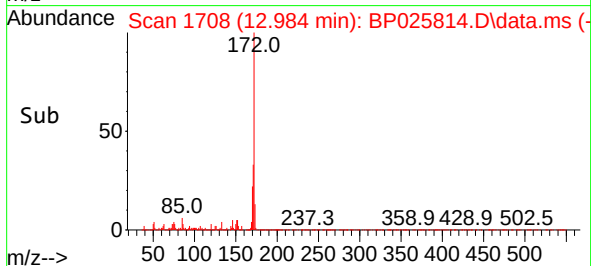
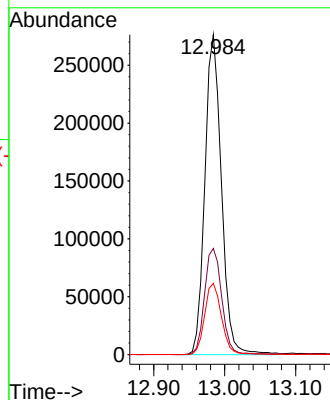
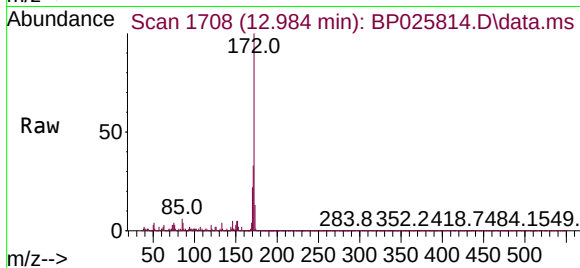
Tgt Ion:172 Resp: 445985

Ion Ratio Lower Upper

172 100

171 33.2 27.8 41.6

170 22.3 18.6 27.8



#49

Acenaphthylene

Concen: 7.424 ng

RT: 14.096 min Scan# 1897

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

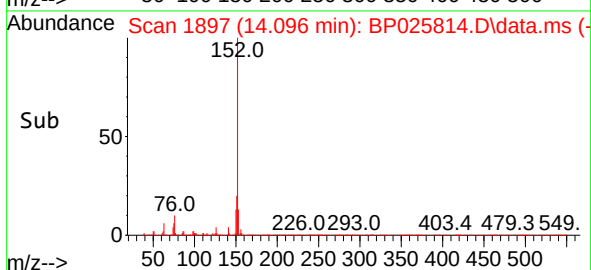
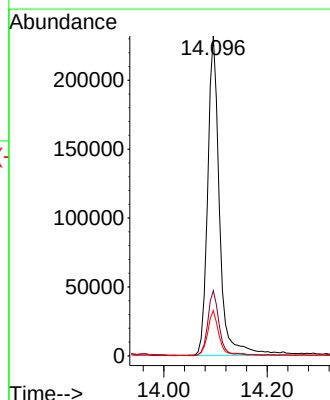
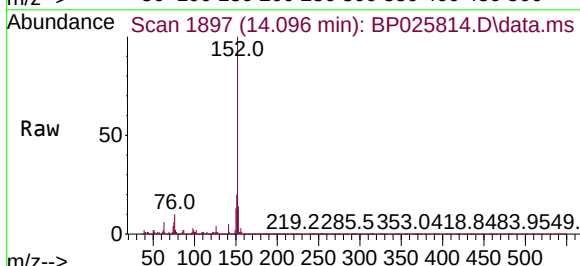
Tgt Ion:152 Resp: 369791

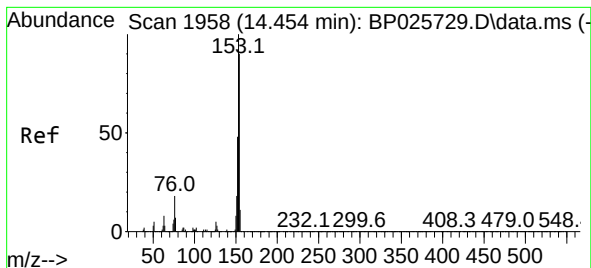
Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.6

153 14.1 10.5 15.7





#52

Acenaphthene

Concen: 3.292 ng

RT: 14.443 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

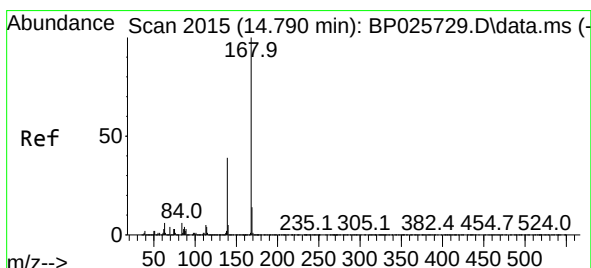
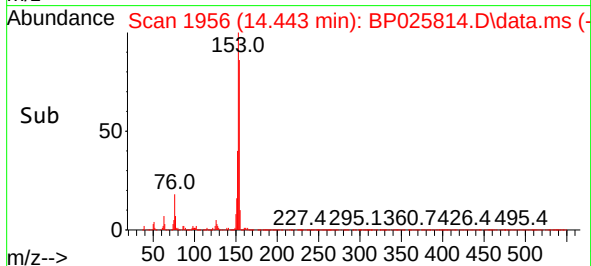
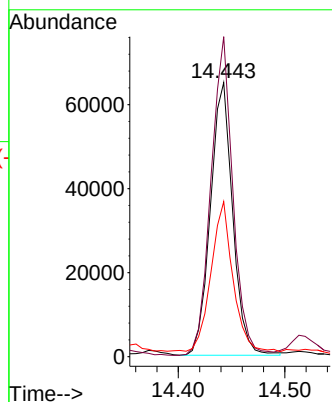
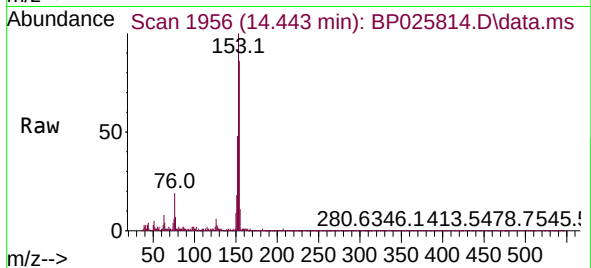
Tgt Ion:154 Resp: 94558

Ion Ratio Lower Upper

154 100

153 116.8 89.4 134.0

152 56.6 42.5 63.7



#55

Dibenzofuran

Concen: 2.815 ng

RT: 14.784 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

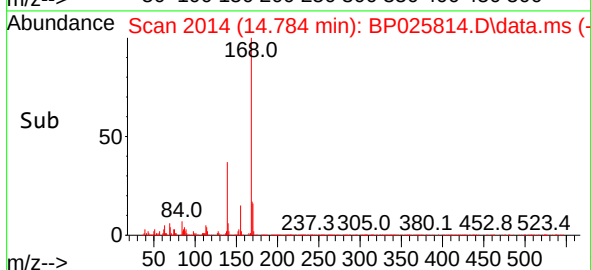
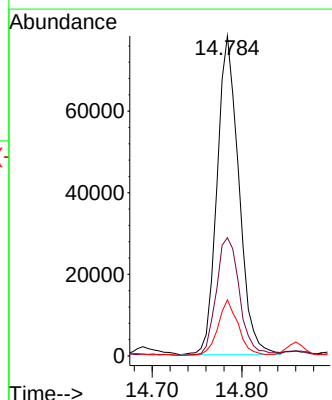
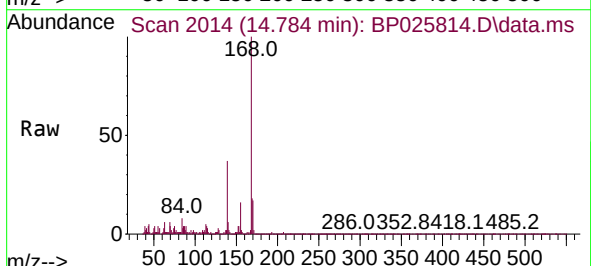
Tgt Ion:168 Resp: 131773

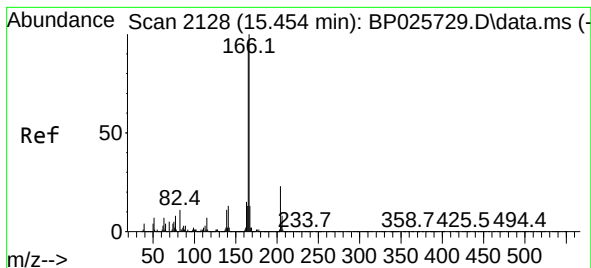
Ion Ratio Lower Upper

168 100

139 36.9 31.7 47.5

169 17.5 10.8 16.2#





#58

Fluorene

Concen: 5.546 ng

RT: 15.443 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

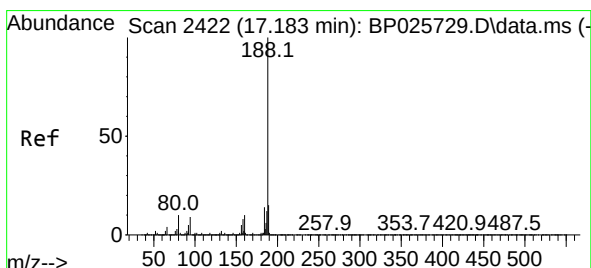
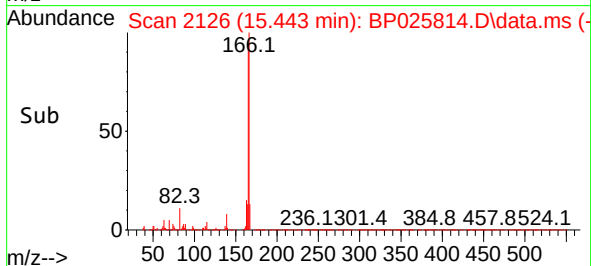
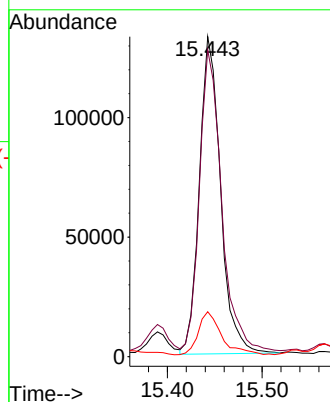
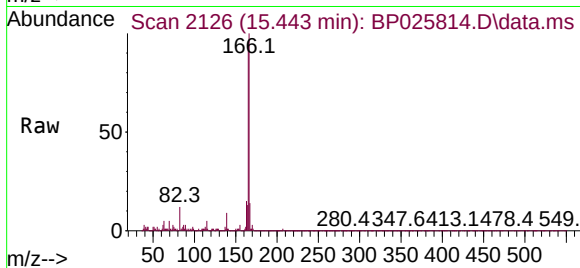
Tgt Ion:166 Resp: 206491

Ion Ratio Lower Upper

166 100

165 95.8 77.7 116.5

167 14.0 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: BP025814.D

Acq: 22 Sep 2025 15:46

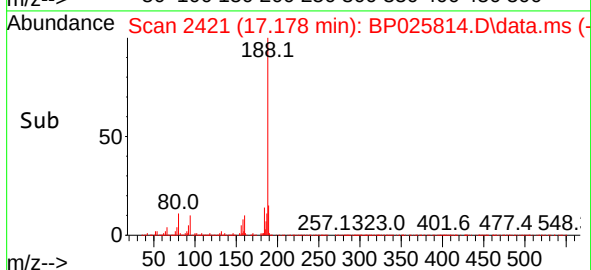
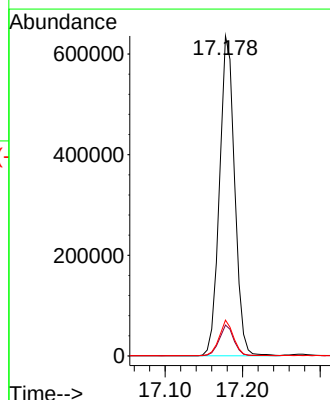
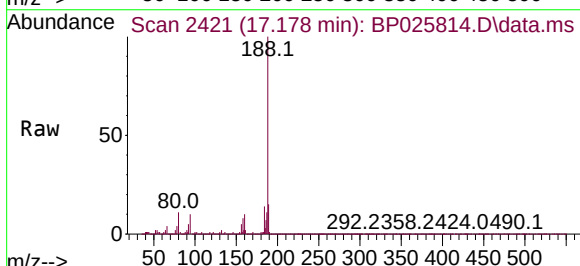
Tgt Ion:188 Resp: 865329

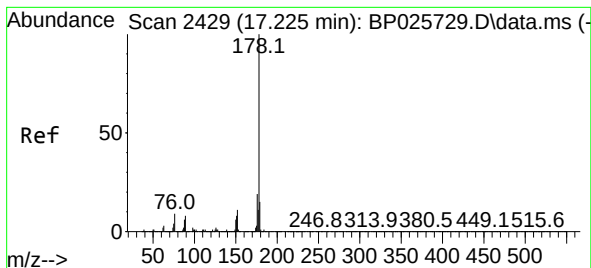
Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.0

80 11.2 7.7 11.5





#71

Phenanthrene

Concen: 30.993 ng

RT: 17.219 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

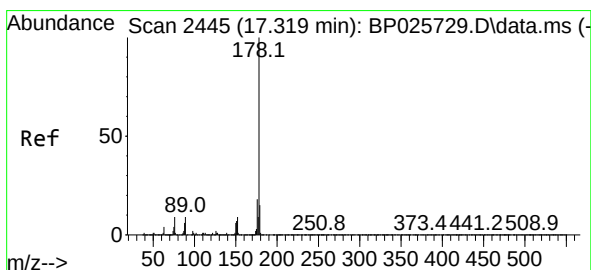
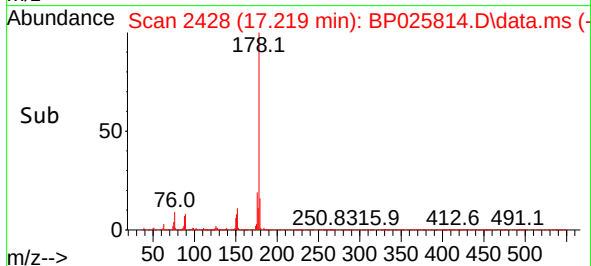
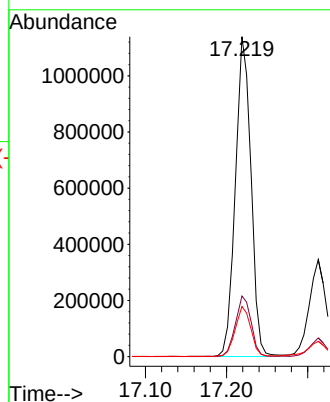
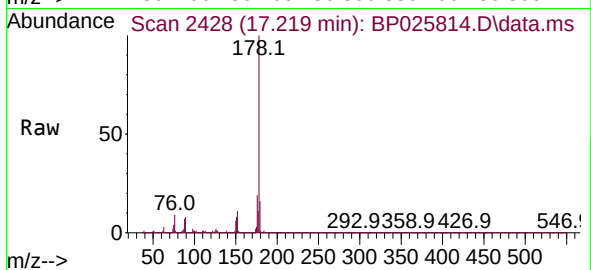
Tgt Ion:178 Resp: 1521327

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.7 12.2 18.4



#72

Anthracene

Concen: 10.035 ng

RT: 17.313 min Scan# 2444

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

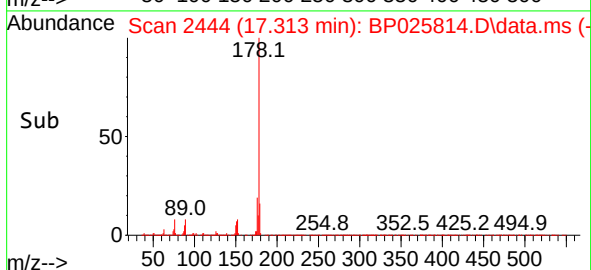
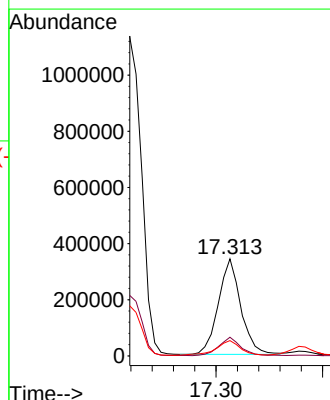
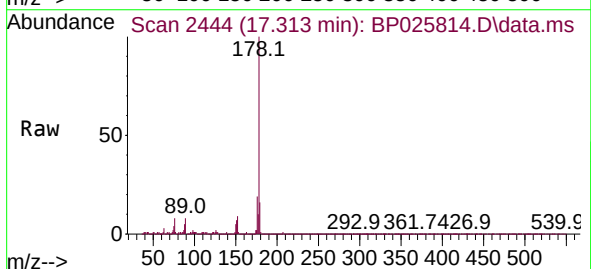
Tgt Ion:178 Resp: 499794

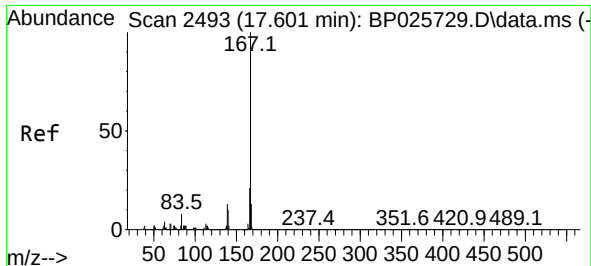
Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

179 15.8 12.2 18.4

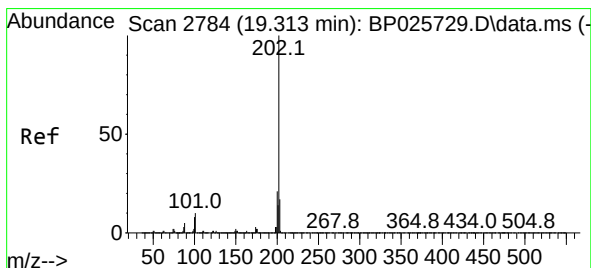
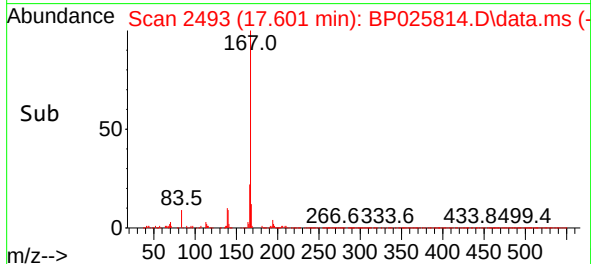
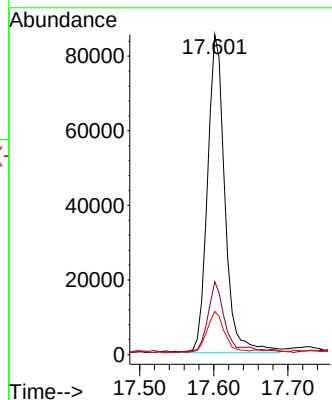
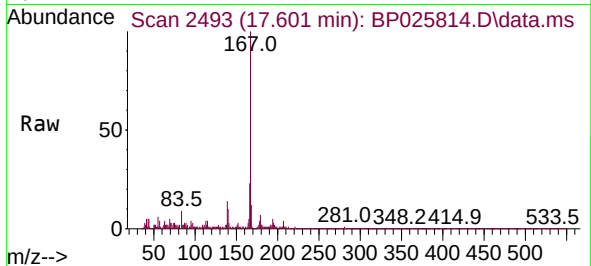




#73
 Carbazole
 Concen: 2.990 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. 0.000 min
 Lab File: BP025814.D
 Acq: 22 Sep 2025 15:46

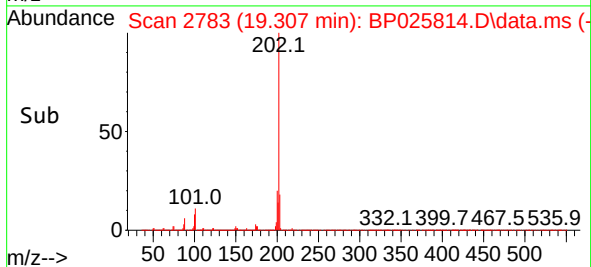
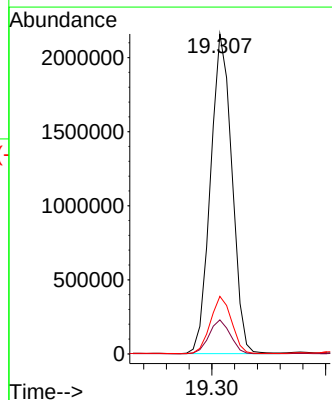
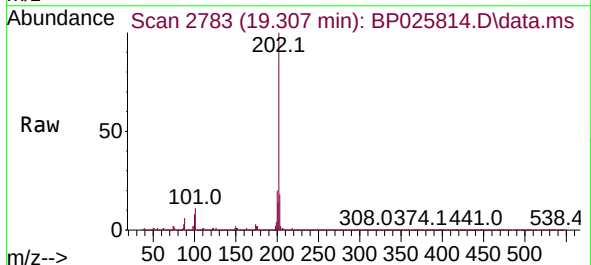
Instrument :
 BNA_P
 ClientSampleId :
 OK-01-091725DL

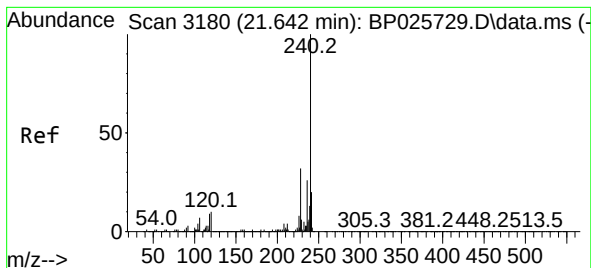
Tgt Ion:	167	Resp:	138452
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.0	25.4
139	13.5	10.6	16.0



#75
 Fluoranthene
 Concen: 48.078 ng
 RT: 19.307 min Scan# 2783
 Delta R.T. -0.006 min
 Lab File: BP025814.D
 Acq: 22 Sep 2025 15:46

Tgt Ion:	202	Resp:	2830359
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	30.4
203	18.0	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.625 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

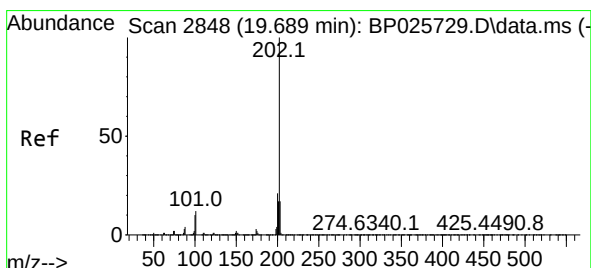
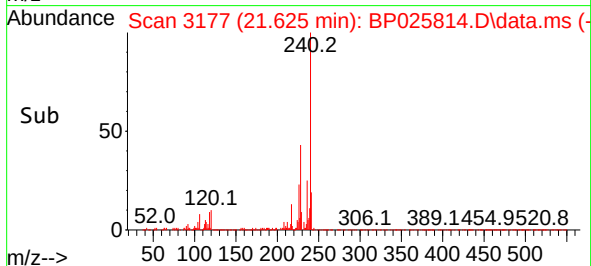
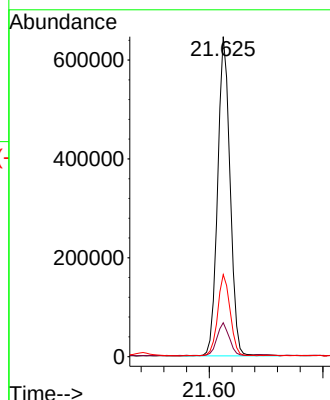
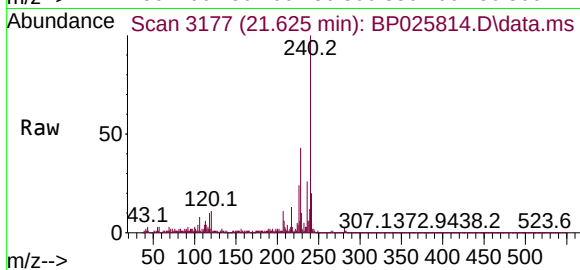
Tgt Ion:240 Resp: 978754

Ion Ratio Lower Upper

240 100

120 10.6 8.0 12.0

236 25.6 20.7 31.1



#78

Pyrene

Concen: 42.856 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

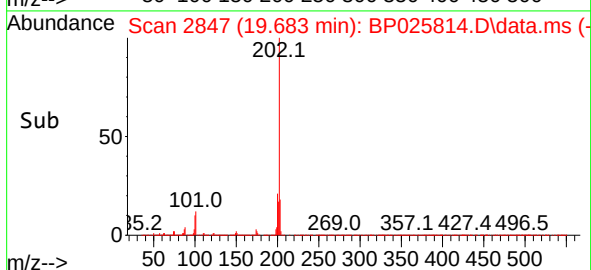
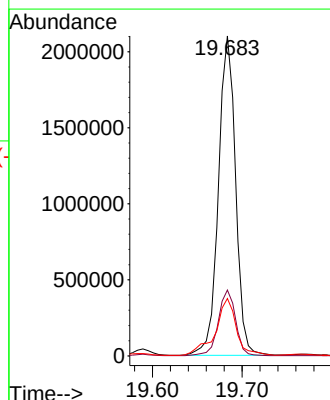
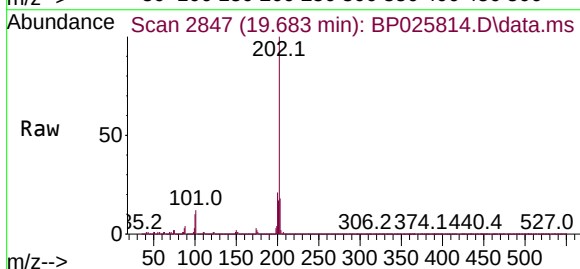
Tgt Ion:202 Resp: 2798823

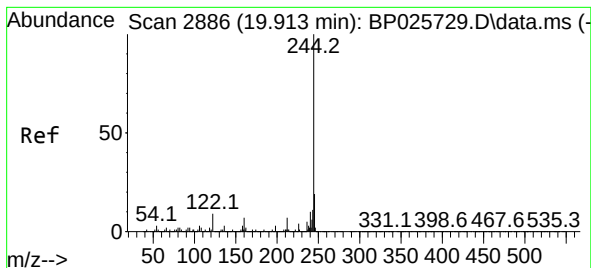
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 17.9 13.9 20.9





#79

Terphenyl-d14

Concen: 10.778 ng

RT: 19.901 min Scan# 2886

Delta R.T. -0.012 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

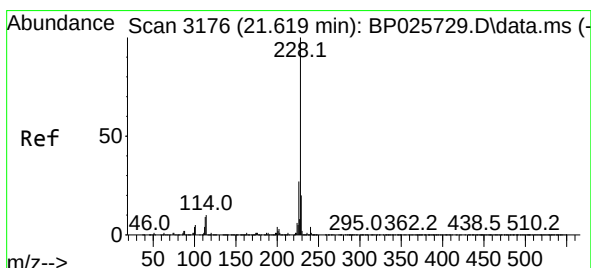
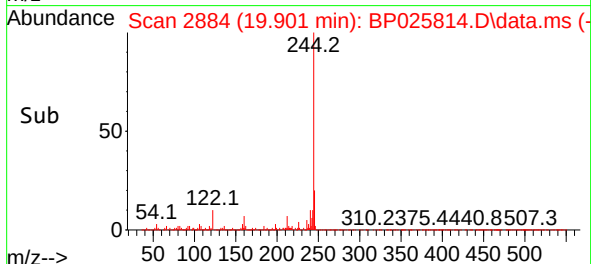
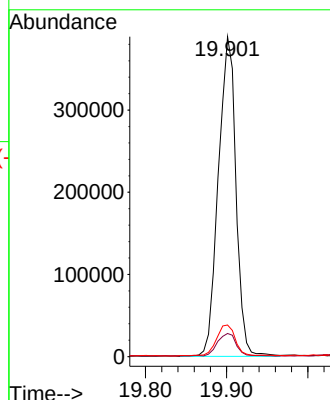
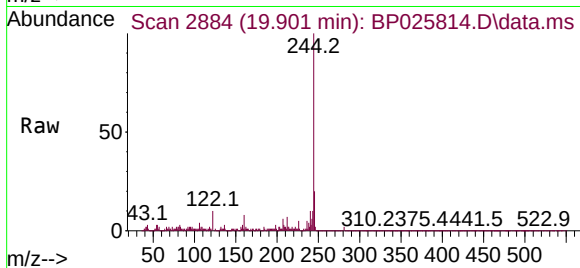
Tgt Ion:244 Resp: 586383

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.9 7.1 10.7



#81

Benzo(a)anthracene

Concen: 29.037 ng

RT: 21.607 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

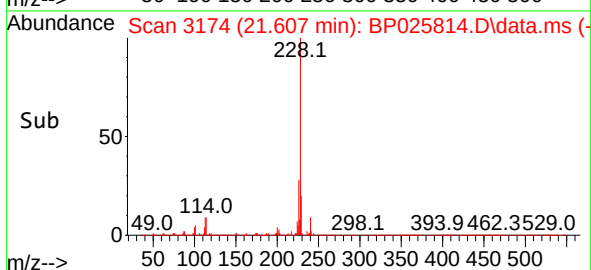
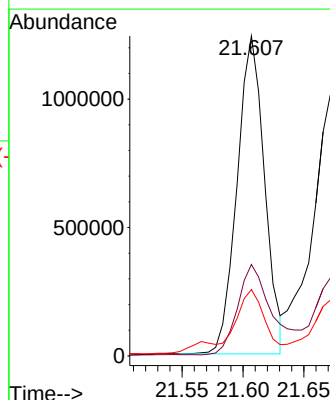
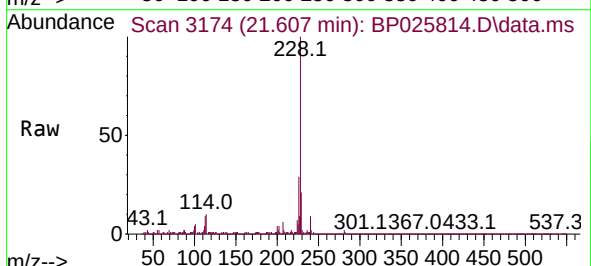
Tgt Ion:228 Resp: 1945701

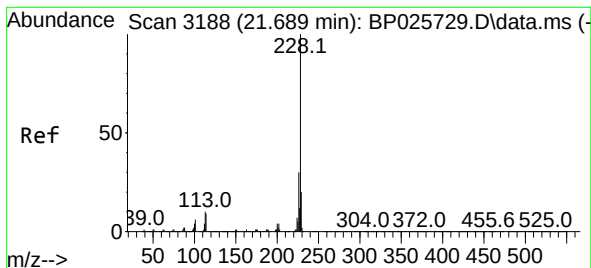
Ion Ratio Lower Upper

228 100

226 28.6 21.6 32.4

229 20.7 15.7 23.5





#83

Chrysene

Concen: 28.970 ng m

RT: 21.672 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

Instrument :

BNA_P

ClientSampleId :

OK-01-091725DL

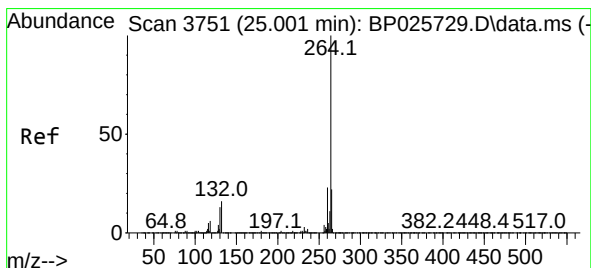
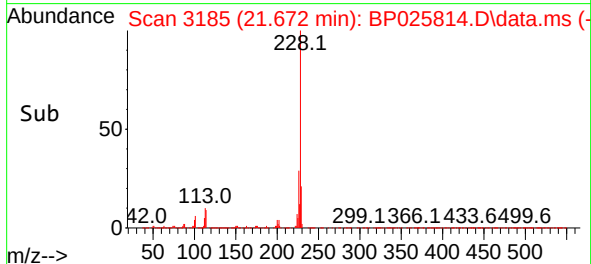
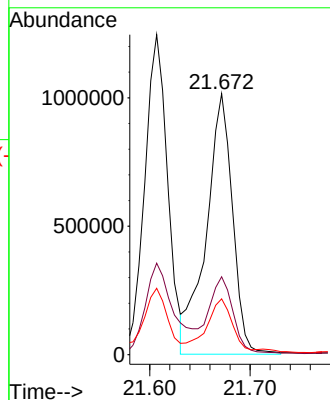
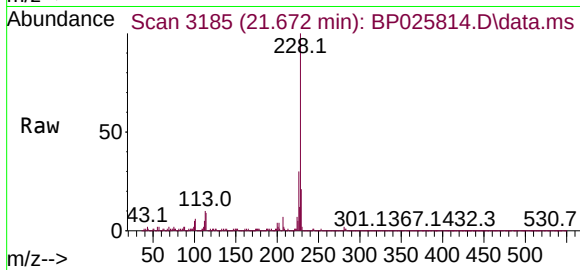
Tgt Ion:228 Resp: 1850443

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 21.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.012 min

Lab File: BP025814.D

Acq: 22 Sep 2025 15:46

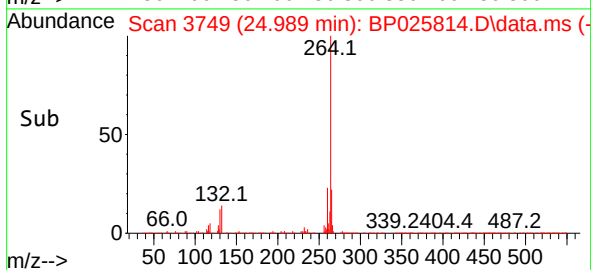
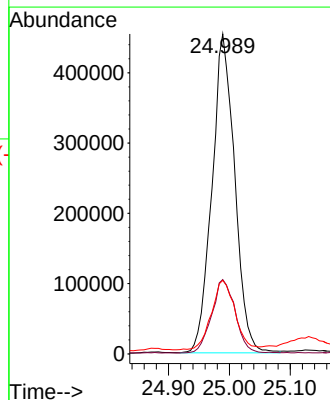
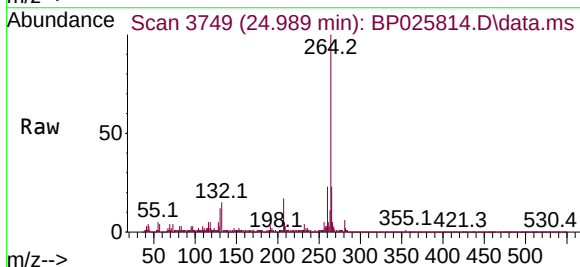
Tgt Ion:264 Resp: 1178980

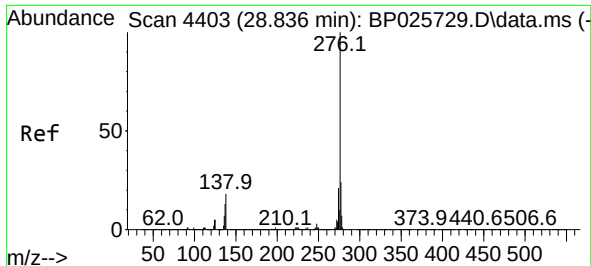
Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 23.0 17.3 25.9

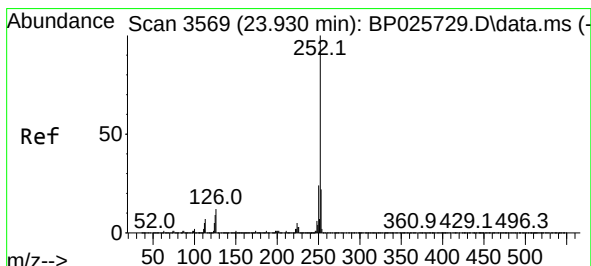
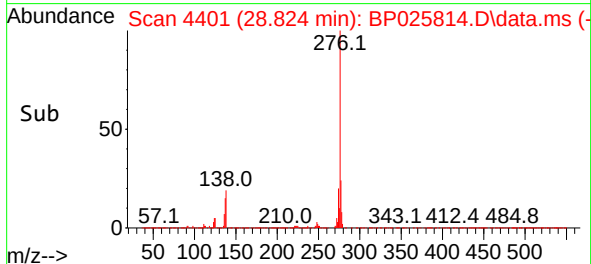
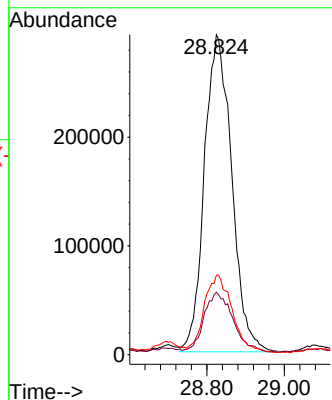
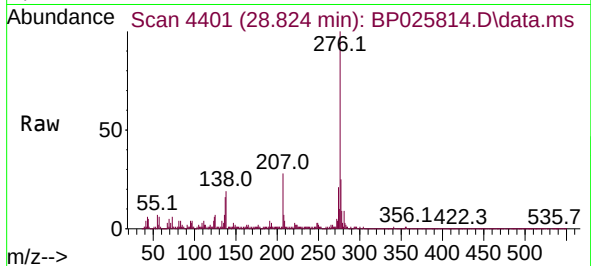




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 16.629 ng
 RT: 28.824 min Scan# 4403
 Delta R.T. -0.012 min
 Lab File: BP025814.D
 Acq: 22 Sep 2025 15:46

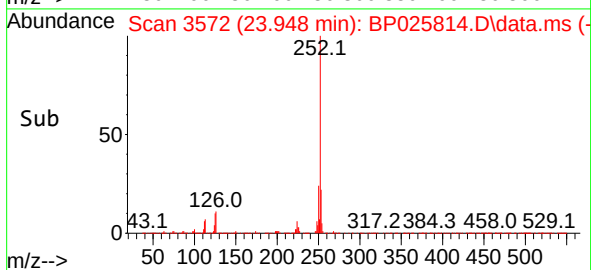
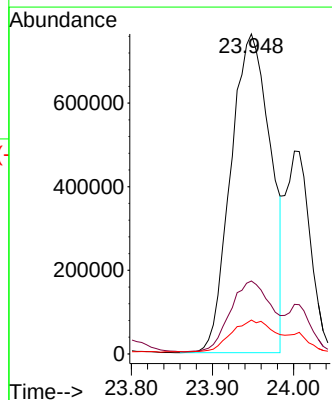
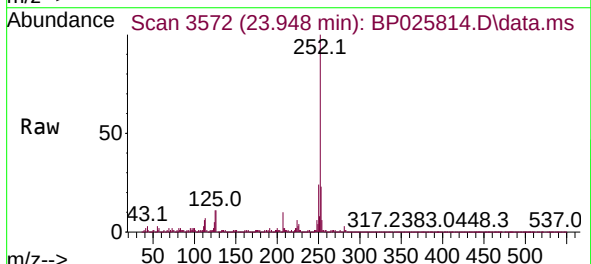
Instrument :
 BNA_P
 ClientSampleId :
 OK-01-091725DL

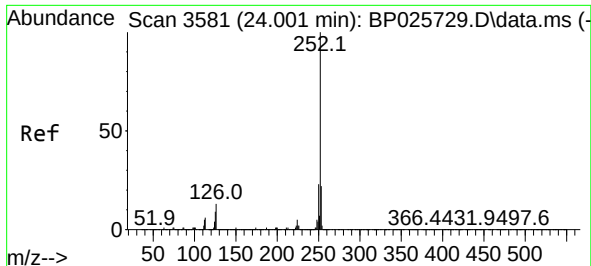
Tgt Ion:276 Resp: 1425750
 Ion Ratio Lower Upper
 276 100
 138 19.8 13.4 20.2
 277 25.0 9.1 13.7#



#88
 Benzo(b)fluoranthene
 Concen: 36.126 ng
 RT: 23.948 min Scan# 3572
 Delta R.T. 0.018 min
 Lab File: BP025814.D
 Acq: 22 Sep 2025 15:46

Tgt Ion:252 Resp: 2604550
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.9 26.9
 125 10.6 7.3 10.9

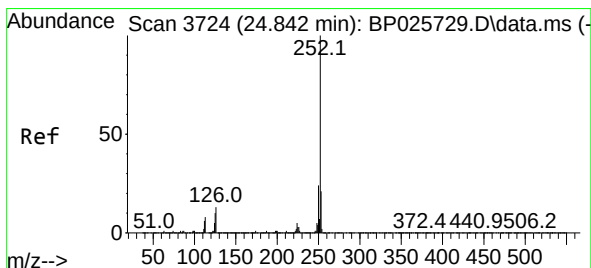
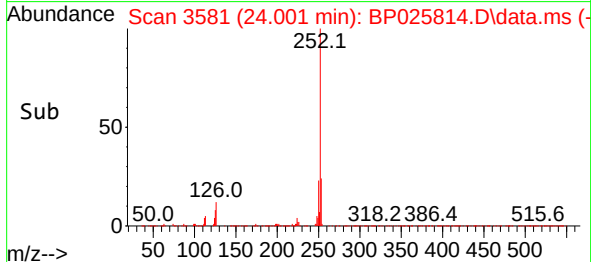
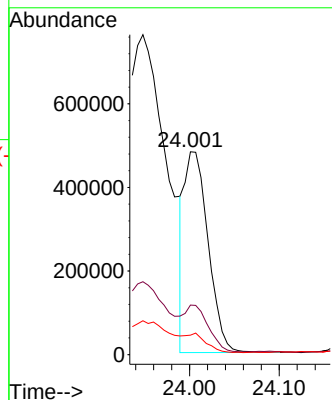
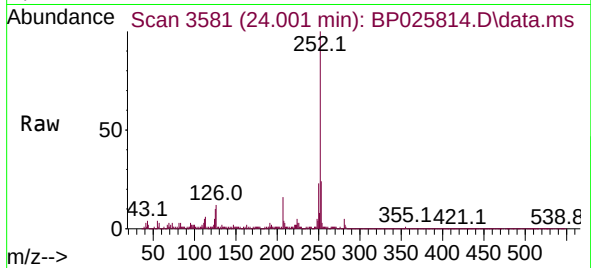




#89
Benzo(k)fluoranthene
Concen: 11.969 ng
RT: 24.001 min Scan# 3581
Delta R.T. 0.000 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

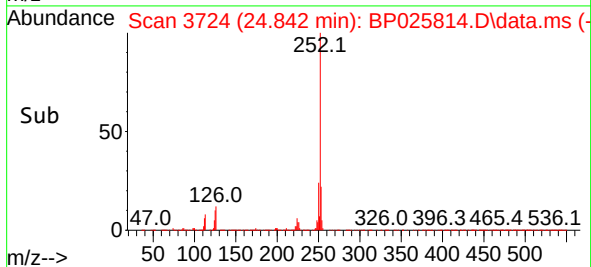
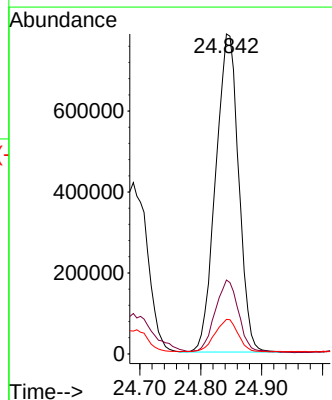
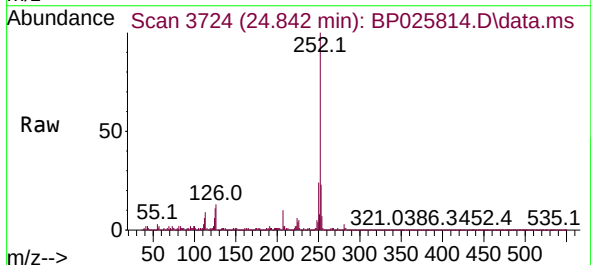
Instrument :
BNA_P
ClientSampleId :
OK-01-091725DL

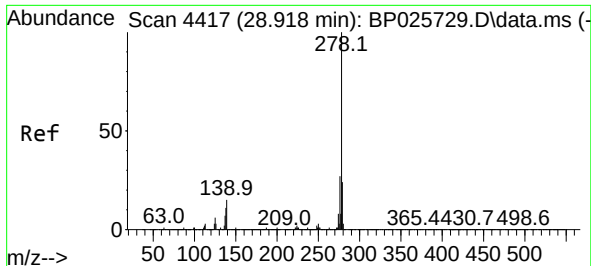
Tgt Ion:252 Resp: 880572
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 9.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 29.253 ng
RT: 24.842 min Scan# 3724
Delta R.T. 0.000 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

Tgt Ion:252 Resp: 2065409
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 10.8 8.3 12.5

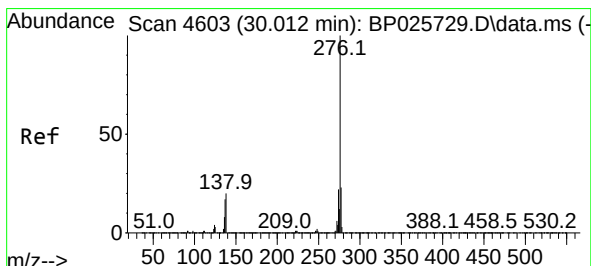
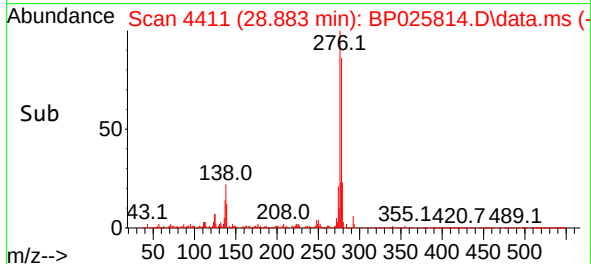
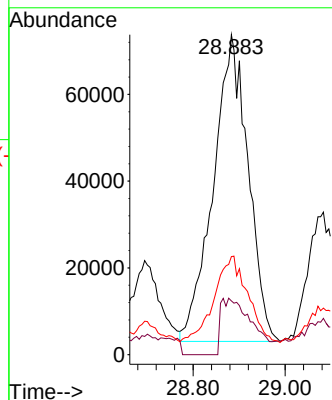
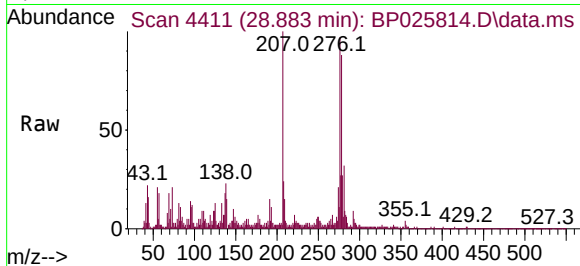




#91
Dibenzo(a,h)anthracene
Concen: 5.298 ng
RT: 28.883 min Scan# 4417
Delta R.T. -0.035 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

Instrument :
BNA_P
ClientSampleId :
OK-01-091725DL

Tgt Ion:278 Resp: 371743
Ion Ratio Lower Upper
278 100
139 16.8 12.1 18.1
279 30.6 19.6 29.4#



#92
Benzo(g,h,i)perylene
Concen: 19.856 ng m
RT: 30.018 min Scan# 4604
Delta R.T. 0.006 min
Lab File: BP025814.D
Acq: 22 Sep 2025 15:46

Tgt Ion:276 Resp: 1370023
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 20.3 16.0 24.0

