

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
 Data File : BP025944.D
 Acq On : 07 Oct 2025 15:55
 Operator : RC/JU
 Sample : Q3295-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-10062025

Quant Time: Oct 07 16:17:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 19:16:54 2025
 Response via : Initial Calibration

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

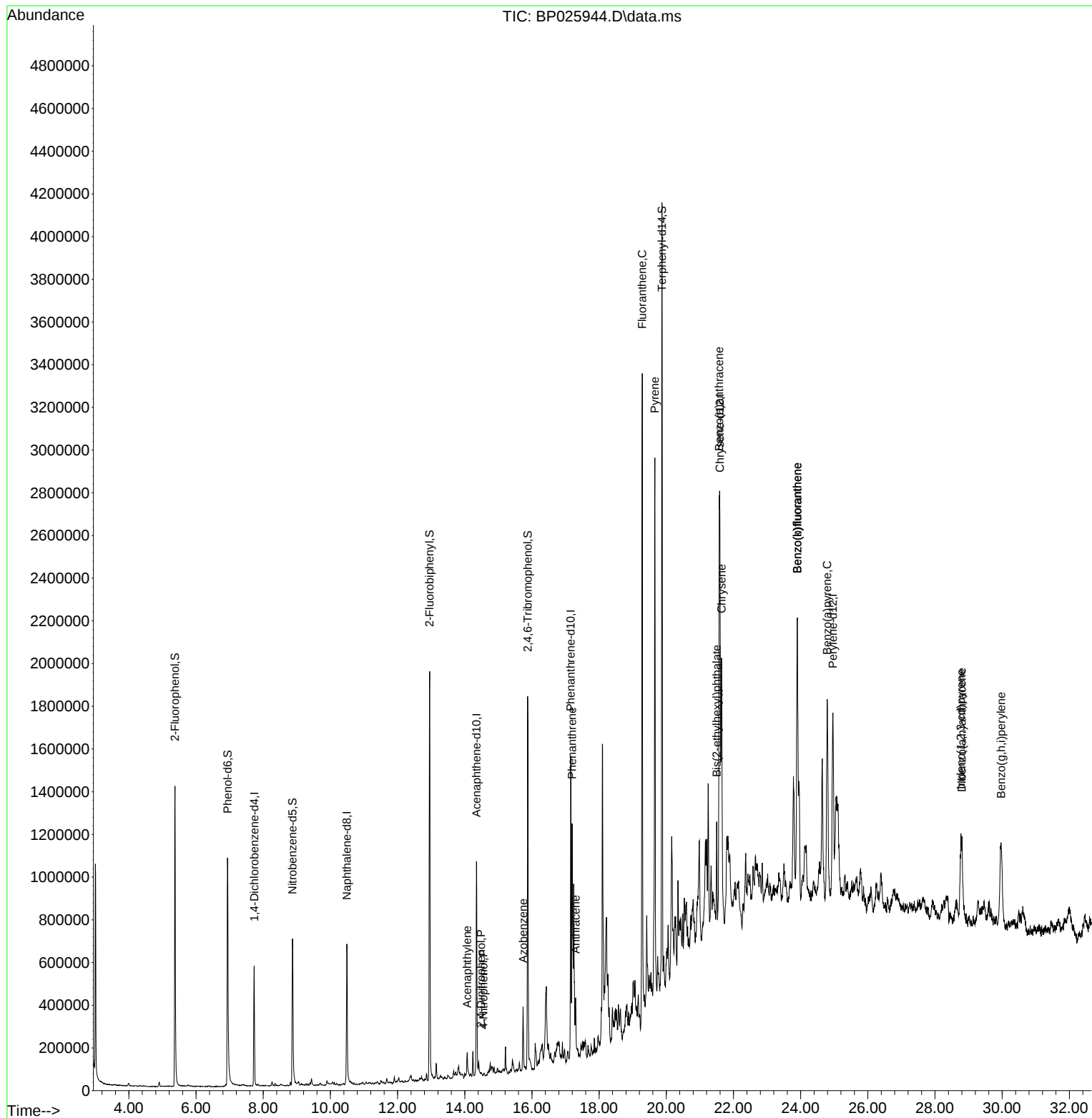
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	154688	20.000	ng	-0.03
21) Naphthalene-d8	10.490	136	589414	20.000	ng	-0.04
39) Acenaphthene-d10	14.349	164	388969	20.000	ng	-0.03
64) Phenanthrene-d10	17.154	188	795908	20.000	ng	-0.03
76) Chrysene-d12	21.595	240	865358	20.000	ng	-0.05
86) Perylene-d12	24.960	264	990370	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.373	112	655649	68.391	ng	-0.01
7) Phenol-d6	6.937	99	797332	62.572	ng	-0.01
23) Nitrobenzene-d5	8.872	82	505291	37.815	ng	-0.03
42) 2,4,6-Tribromophenol	15.872	330	340960	70.278	ng	-0.04
45) 2-Fluorobiphenyl	12.954	172	1158809	39.668	ng	-0.04
79) Terphenyl-d14	19.872	244	1973168	41.020	ng	-0.04
Target Compounds						Qvalue
49) Acenaphthylene	14.072	152	91736	2.463	ng	97
54) 2,4-Dinitrophenol	14.484	184	43	4.834	ng	# 1
56) 4-Nitrophenol	14.554	139	199	4.515	ng	# 61
63) Azobenzene	15.737	77	90444	3.105	ng	# 1
71) Phenanthrene	17.195	178	565660	12.529	ng	100
72) Anthracene	17.301	178	155372	3.392	ng	98
75) Fluoranthene	19.284	202	1630994	30.121	ng	100
78) Pyrene	19.660	202	1560120	27.019	ng	99
81) Benzo(a)anthracene	21.578	228	985050	16.627	ng	99
83) Chrysene	21.642	228	979177	17.338	ng	97
84) Bis(2-ethylhexyl)phtha...	21.501	149	219298	5.921	ng	99
87) Indeno(1,2,3-cd)pyrene	28.771	276	761005	10.566	ng	# 82
88) Benzo(b)fluoranthene	23.901	252	1411734	23.310	ng	98
89) Benzo(k)fluoranthene	23.901	252	1411734	22.843	ng	98
90) Benzo(a)pyrene	24.789	252	1019962	17.197	ng	96
91) Dibenzo(a,h)anthracene	28.801	278	193895	3.290	ng	# 77
92) Benzo(g,h,i)perylene	29.965	276	775116	13.373	ng	98

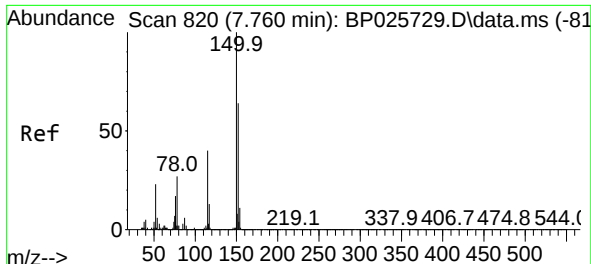
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
Data File : BP025944.D
Acq On : 07 Oct 2025 15:55
Operator : RC/JU
Sample : Q3295-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

Quant Time: Oct 07 16:17:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 19:16:54 2025
Response via : Initial Calibration

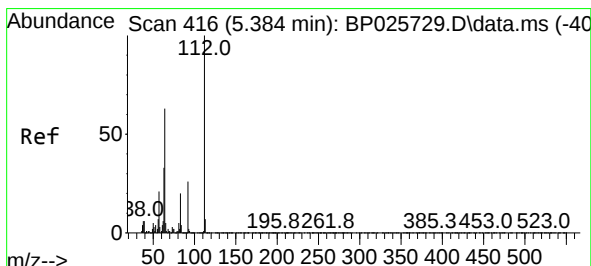
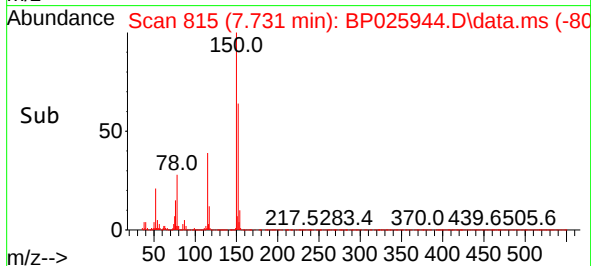
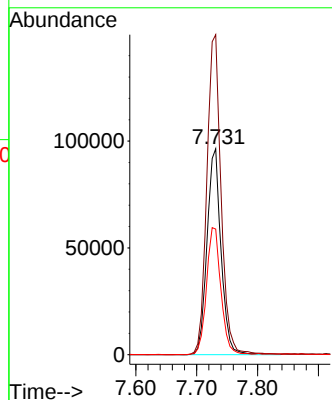
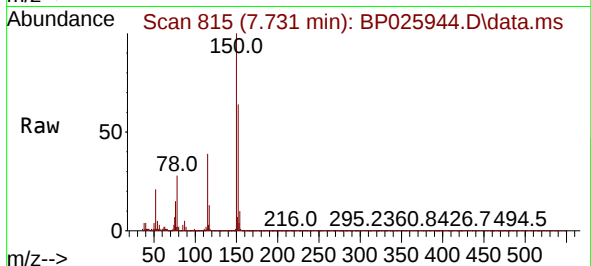




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.731 min Scan# 81
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

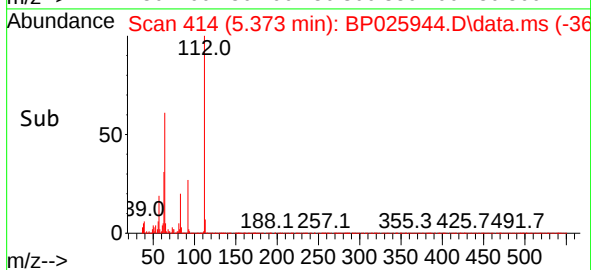
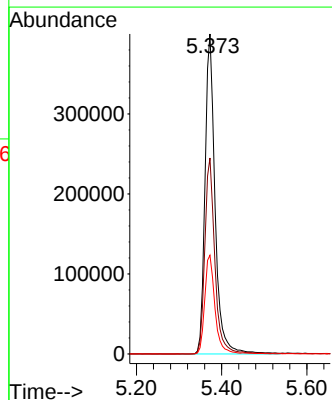
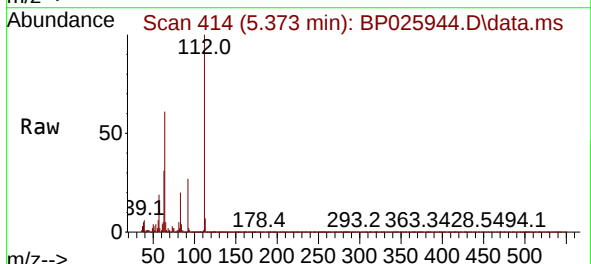
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

Tgt Ion:152 Resp: 154688
Ion Ratio Lower Upper
152 100
150 155.4 124.3 186.5
115 61.0 50.3 75.5



#5
2-Fluorophenol
Concen: 68.391 ng
RT: 5.373 min Scan# 414
Delta R.T. -0.012 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:112 Resp: 655649
Ion Ratio Lower Upper
112 100
64 61.3 50.2 75.4
63 30.9 26.7 40.1

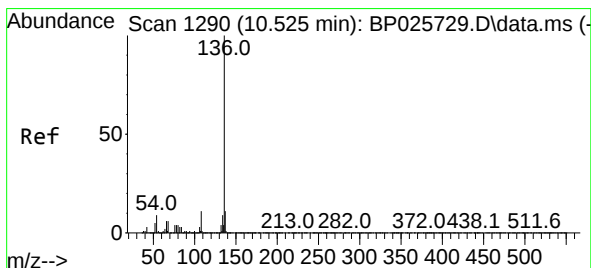
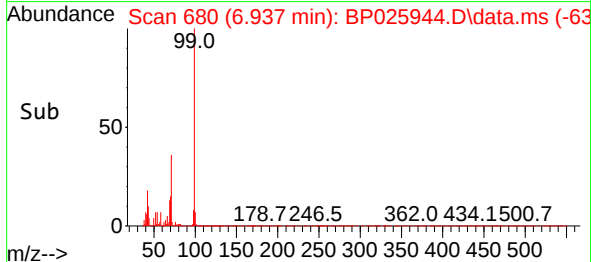
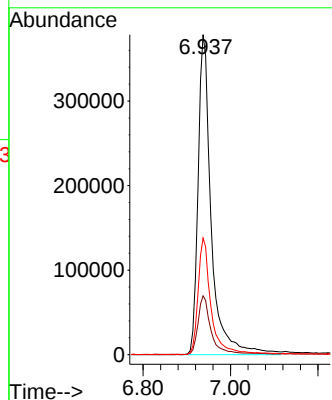
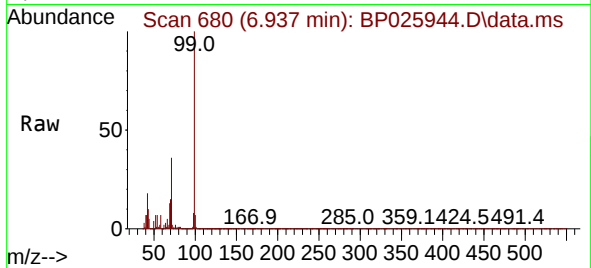




#7
Phenol-d6
Concen: 62.572 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

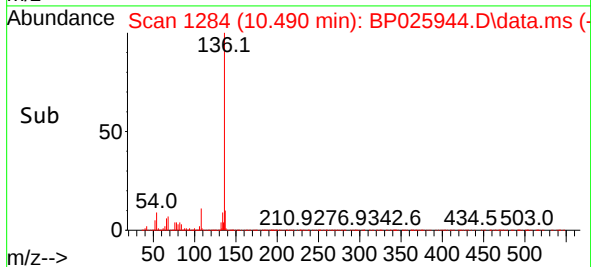
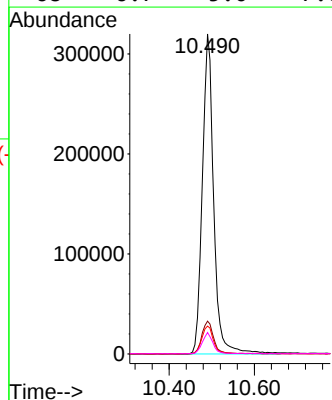
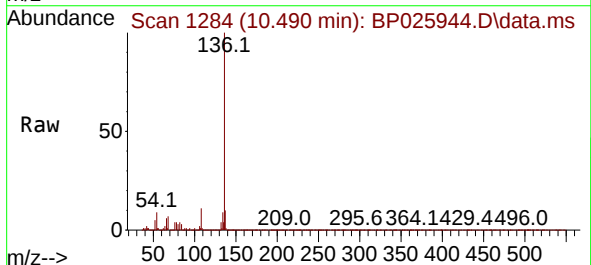
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

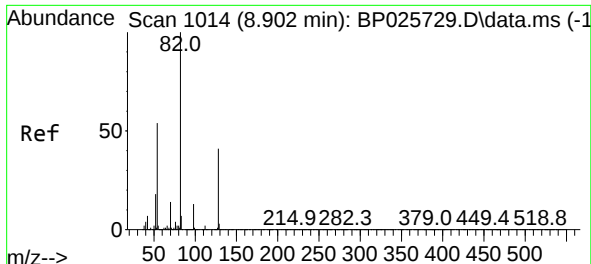
Tgt Ion: 99 Resp: 797332
Ion Ratio Lower Upper
99 100
42 18.4 15.6 23.4
71 36.4 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.490 min Scan# 1284
Delta R.T. -0.035 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion: 136 Resp: 589414
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 8.7 7.5 11.3
68 6.7 5.0 7.6

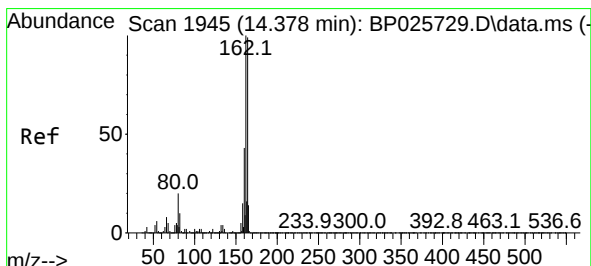
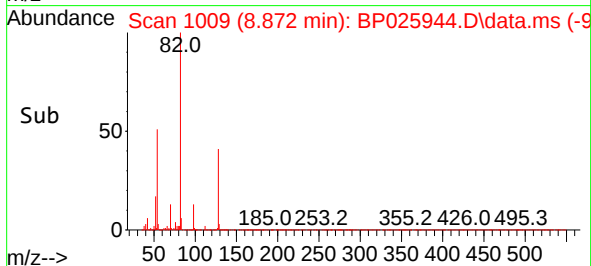
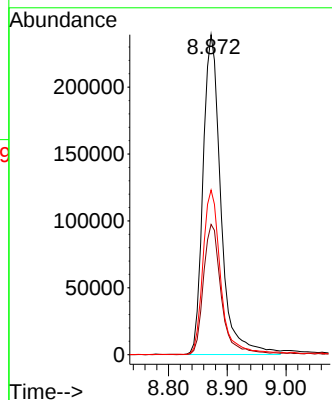
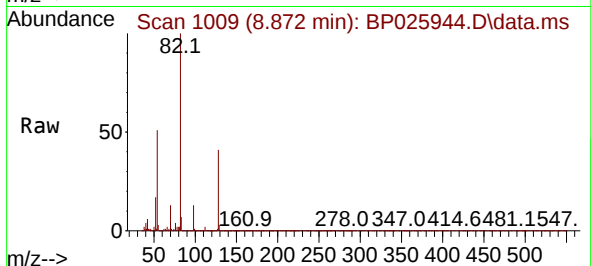




#23
 Nitrobenzene-d5
 Concen: 37.815 ng
 RT: 8.872 min Scan# 1009
 Delta R.T. -0.029 min
 Lab File: BP025944.D
 Acq: 07 Oct 2025 15:55

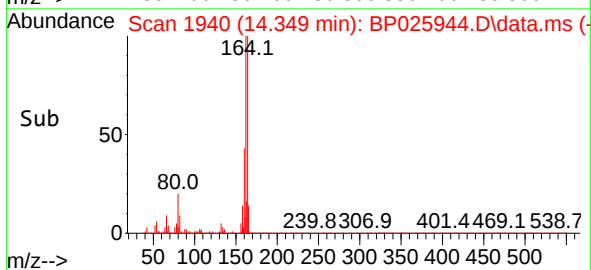
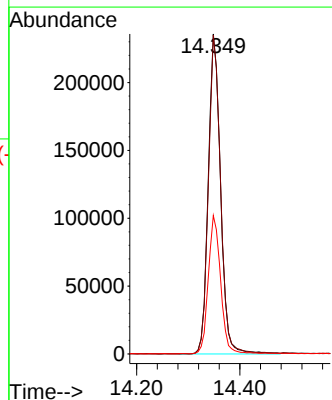
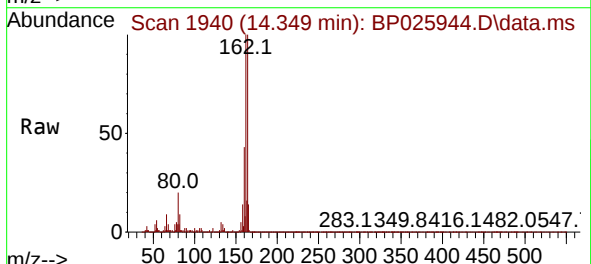
Instrument :
 BNA_P
 ClientSampleId :
 EO-02-10062025

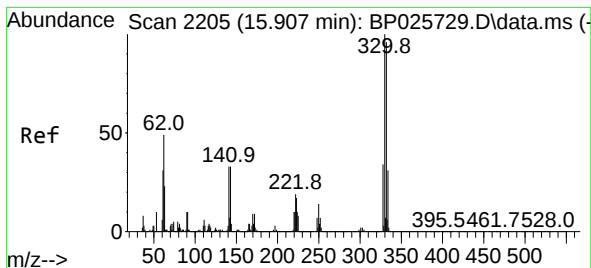
Tgt Ion: 82 Resp: 505291
 Ion Ratio Lower Upper
 82 100
 128 40.7 32.9 49.3
 54 51.4 43.4 65.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.349 min Scan# 1940
 Delta R.T. -0.029 min
 Lab File: BP025944.D
 Acq: 07 Oct 2025 15:55

Tgt Ion:164 Resp: 388969
 Ion Ratio Lower Upper
 164 100
 162 99.7 80.6 120.8
 160 43.3 35.0 52.6

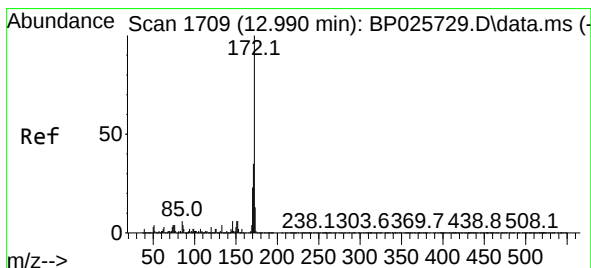
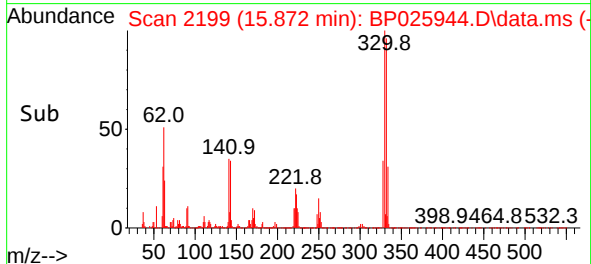
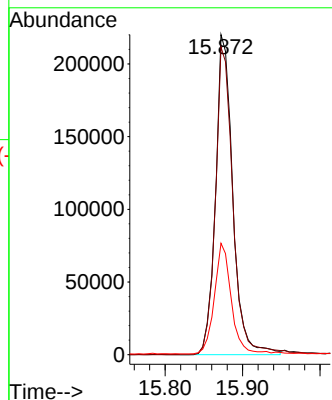
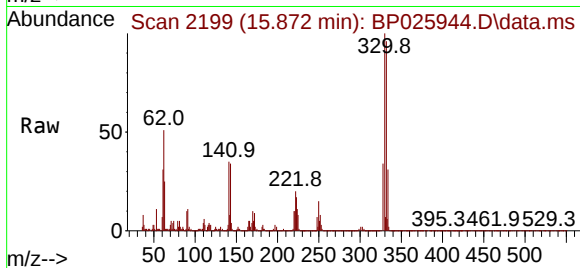




#42
2,4,6-Tribromophenol
Concen: 70.278 ng
RT: 15.872 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

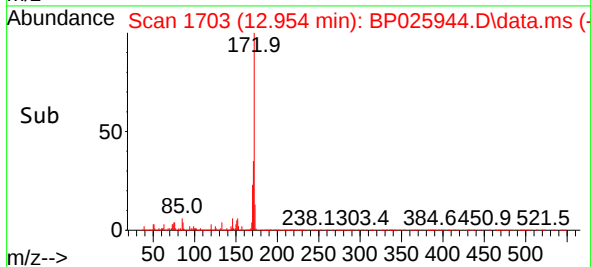
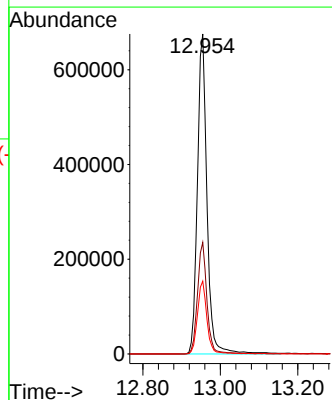
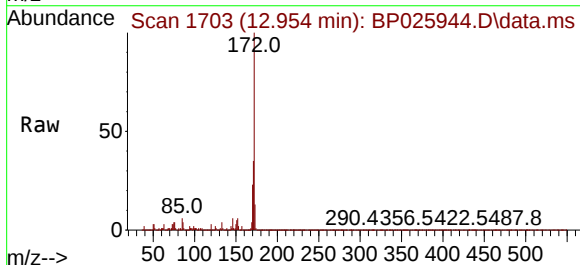
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

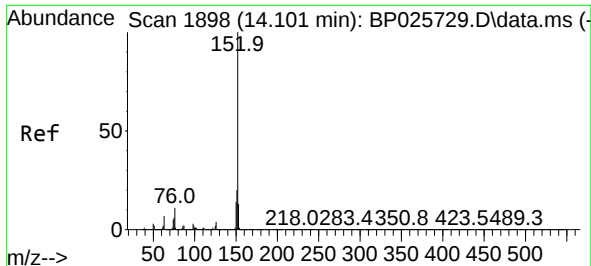
Tgt Ion:330 Resp: 340960
Ion Ratio Lower Upper
330 100
332 99.1 76.9 115.3
141 34.2 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 39.668 ng
RT: 12.954 min Scan# 1703
Delta R.T. -0.035 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:172 Resp: 1158809
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 22.7 18.6 27.8

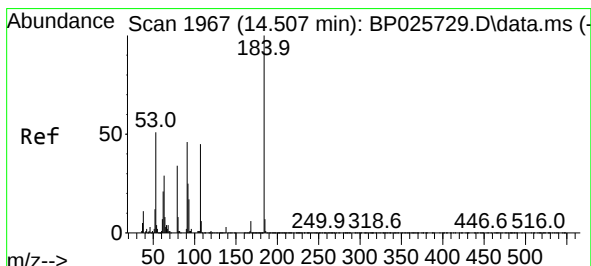
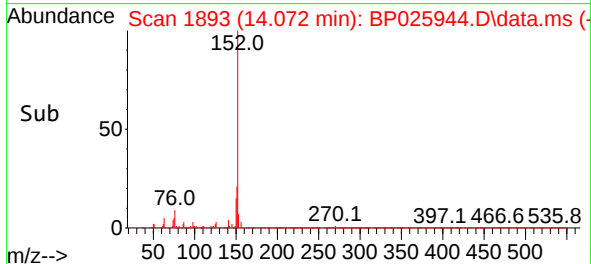
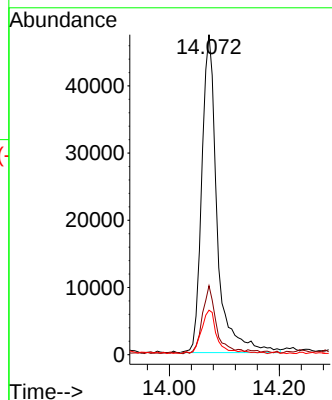
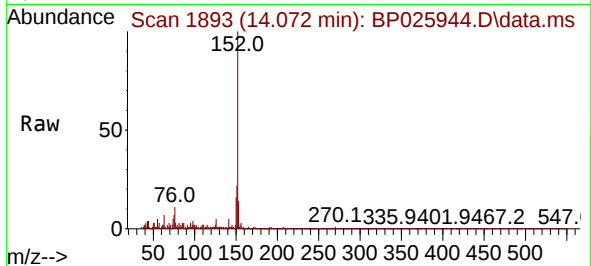




#49
Acenaphthylene
Concen: 2.463 ng
RT: 14.072 min Scan# 1893
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

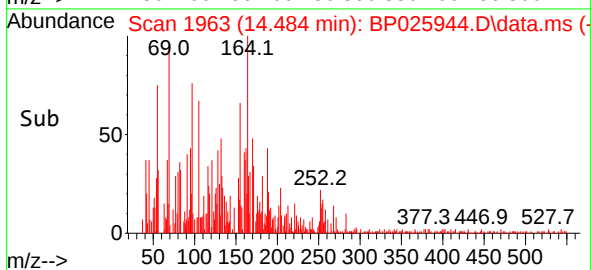
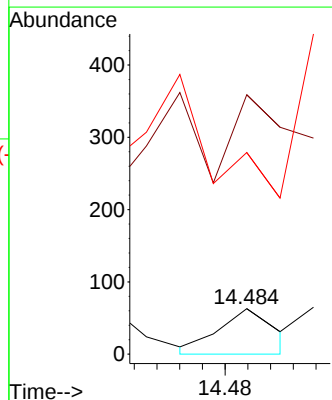
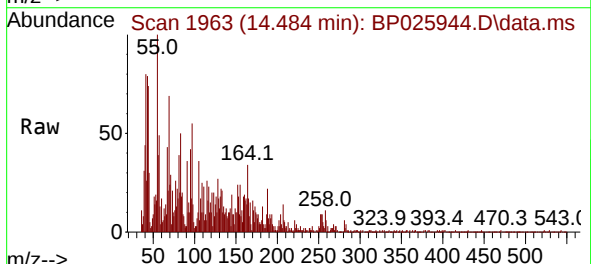
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

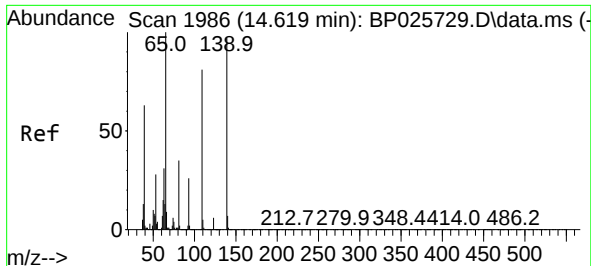
Tgt Ion:152 Resp: 91736
Ion Ratio Lower Upper
152 100
151 21.6 15.8 23.6
153 13.9 10.5 15.7



#54
2,4-Dinitrophenol
Concen: 4.834 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.023 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:184 Resp: 43
Ion Ratio Lower Upper
184 100
63 569.8 52.5 78.7#
154 442.9 51.5 77.3#

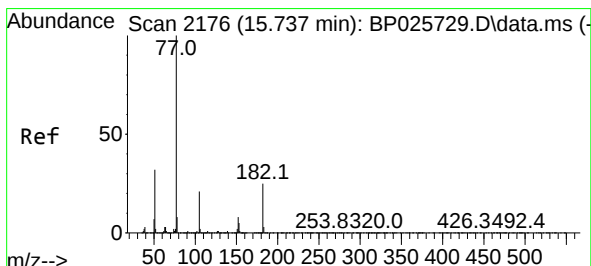
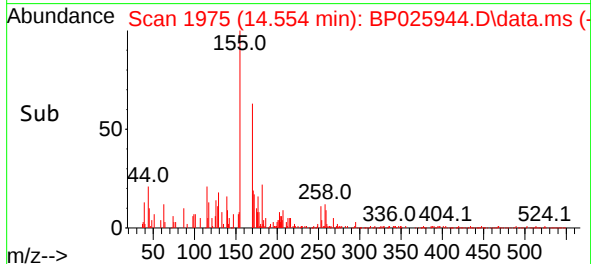
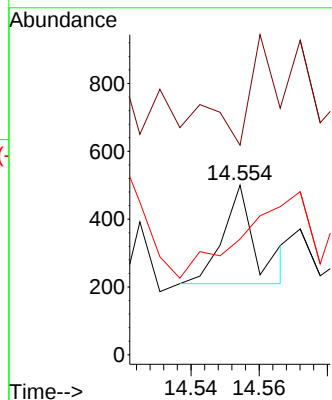
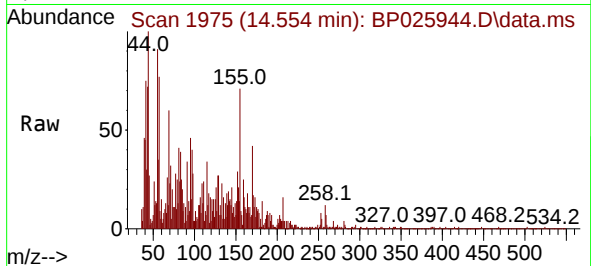




#56
4-Nitrophenol
Concen: 4.515 ng
RT: 14.554 min Scan# 1986
Delta R.T. -0.065 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

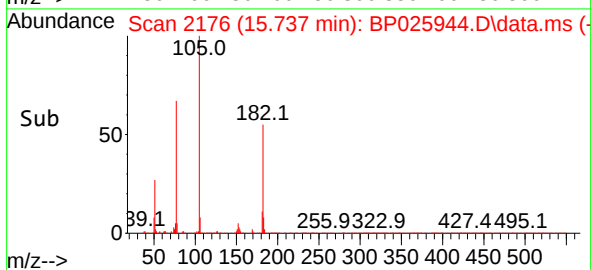
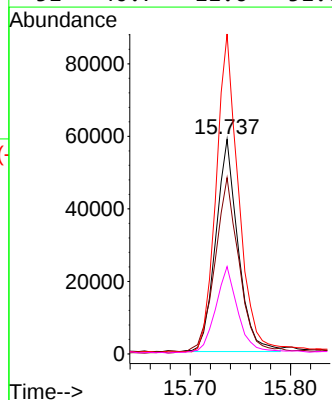
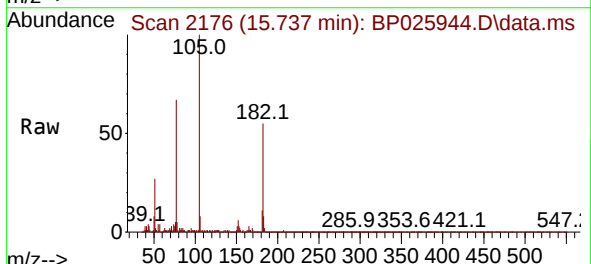
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

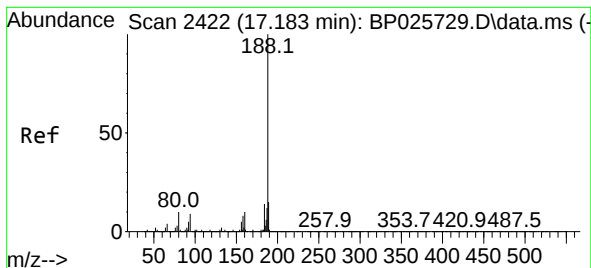
Tgt Ion:139 Resp: 199
Ion Ratio Lower Upper
139 100
109 123.6 62.9 102.9#
65 68.2 83.4 123.4#



#63
Azobenzene
Concen: 3.105 ng
RT: 15.737 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion: 77 Resp: 90444
Ion Ratio Lower Upper
77 100
182 82.2 5.2 45.2#
105 149.1 1.1 41.1#
51 40.7 11.6 51.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.154 min Scan# 2417

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

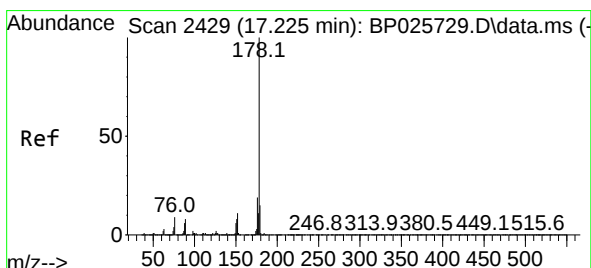
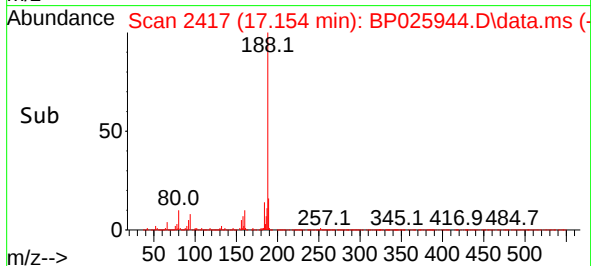
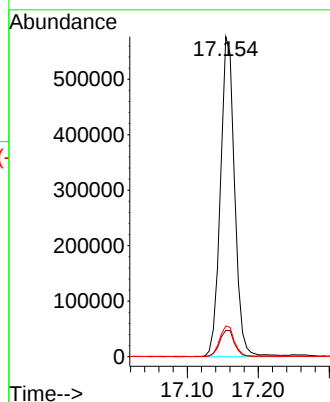
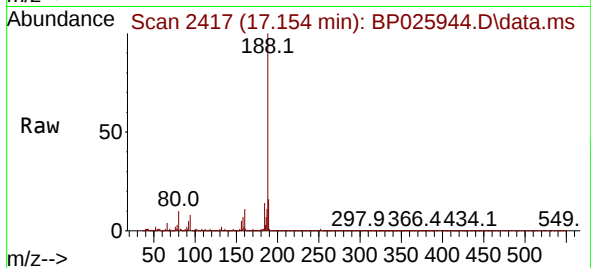
Tgt Ion:188 Resp: 795908

Ion Ratio Lower Upper

188 100

94 8.2 7.4 11.0

80 9.6 7.7 11.5



#71

Phenanthrene

Concen: 12.529 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

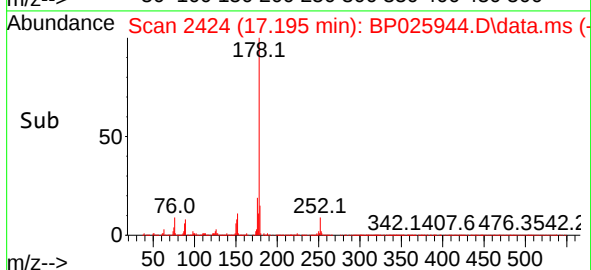
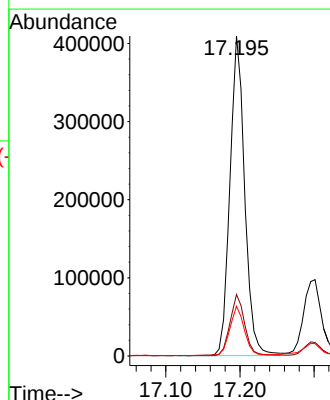
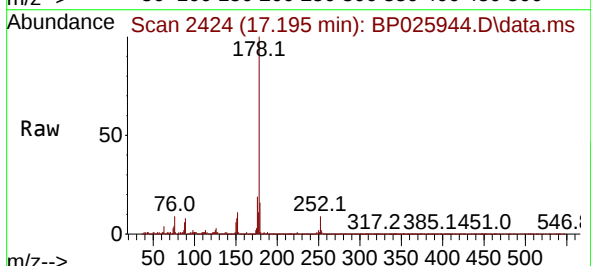
Tgt Ion:178 Resp: 565660

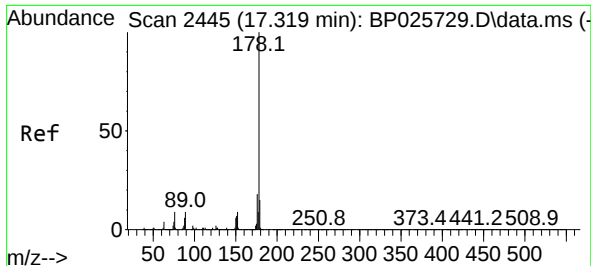
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.6 12.2 18.4

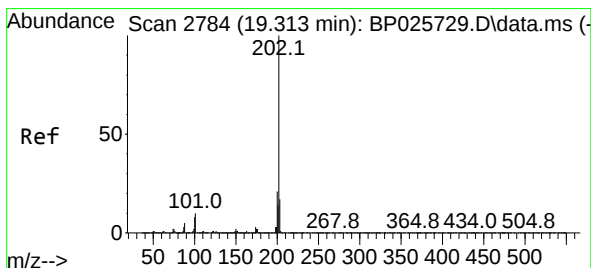
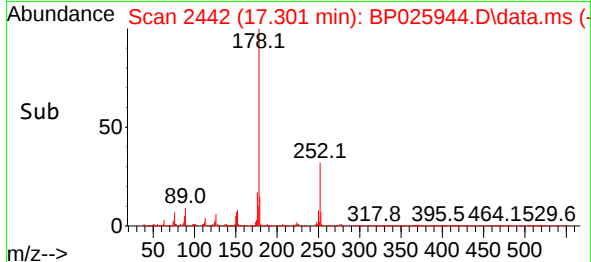
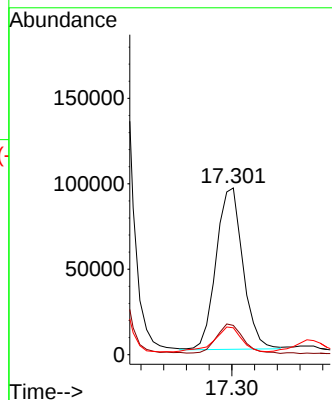
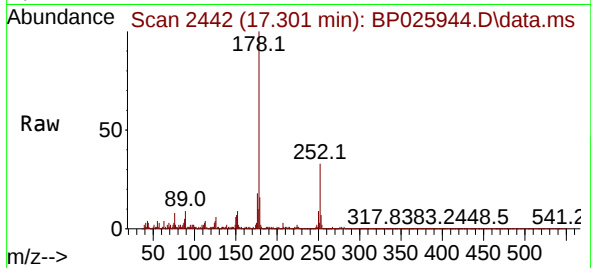




#72
Anthracene
Concen: 3.392 ng
RT: 17.301 min Scan# 2445
Delta R.T. -0.017 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

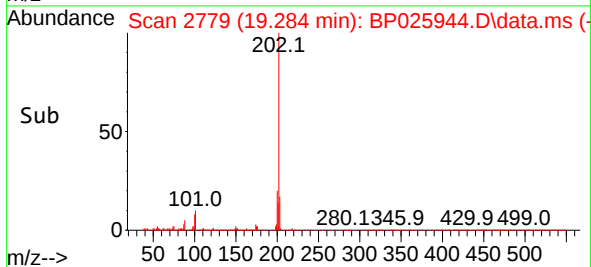
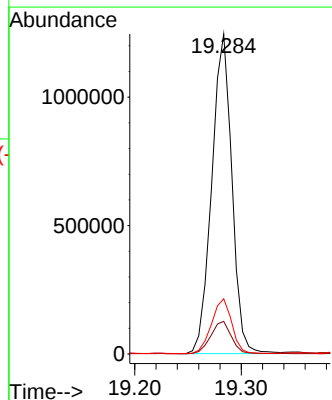
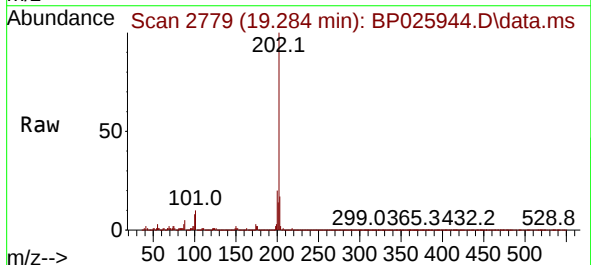
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

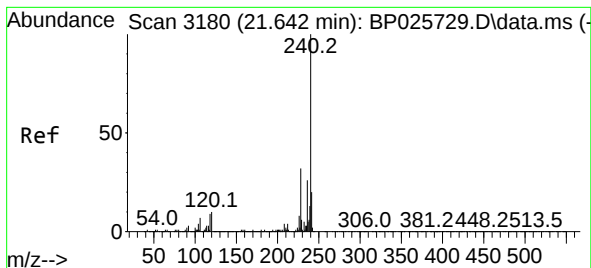
Tgt Ion:178 Resp: 155372
Ion Ratio Lower Upper
178 100
176 17.5 14.8 22.2
179 16.1 12.2 18.4



#75
Fluoranthene
Concen: 30.121 ng
RT: 19.284 min Scan# 2779
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:202 Resp: 1630994
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.4
203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.595 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

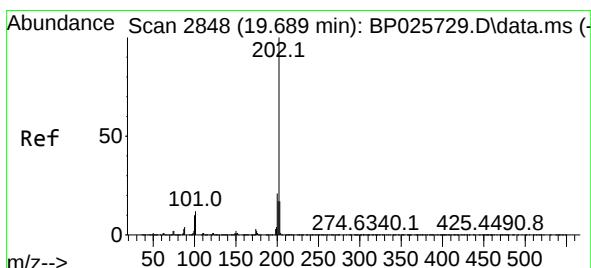
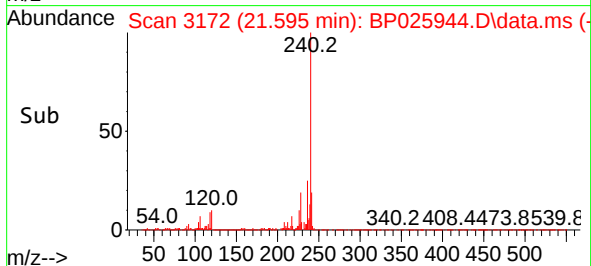
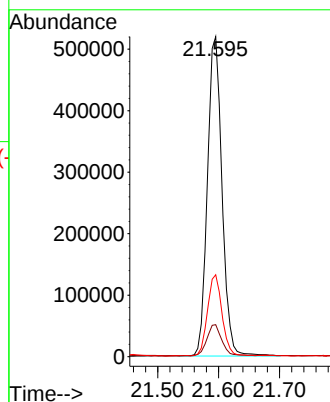
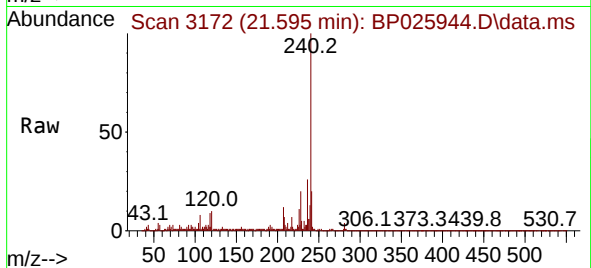
Tgt Ion:240 Resp: 865358

Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 25.6 20.7 31.1



#78

Pyrene

Concen: 27.019 ng

RT: 19.660 min Scan# 2843

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

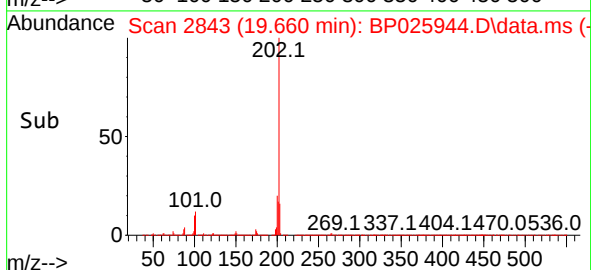
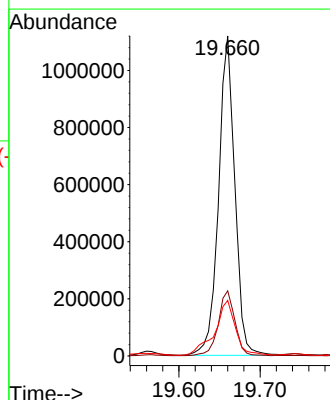
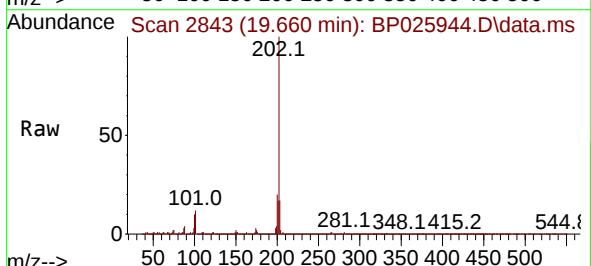
Tgt Ion:202 Resp: 1560120

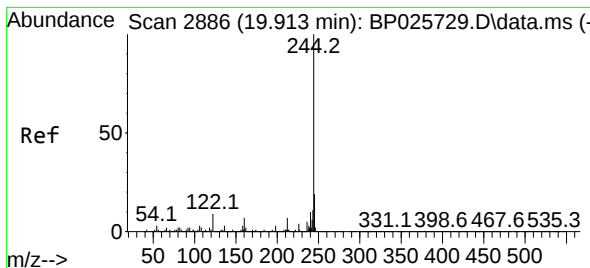
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 41.020 ng

RT: 19.872 min Scan# 21

Delta R.T. -0.041 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

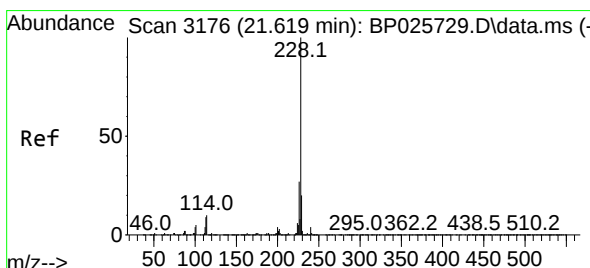
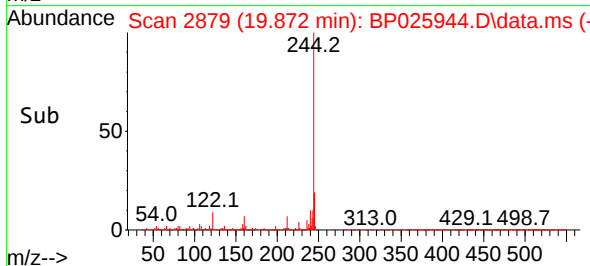
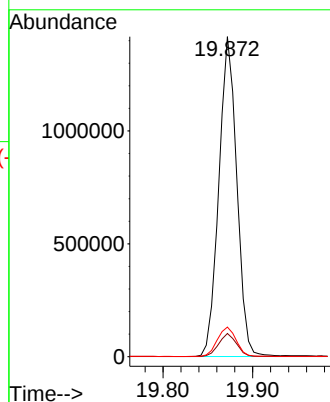
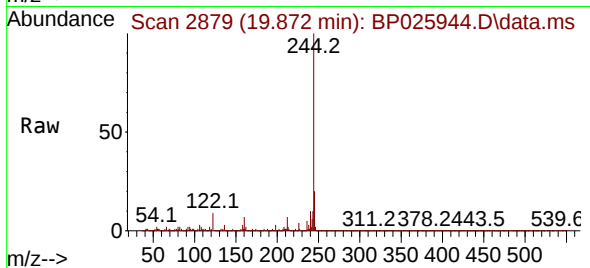
Tgt Ion:244 Resp: 1973168

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 9.2 7.1 10.7



#81

Benzo(a)anthracene

Concen: 16.627 ng

RT: 21.578 min Scan# 3169

Delta R.T. -0.041 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

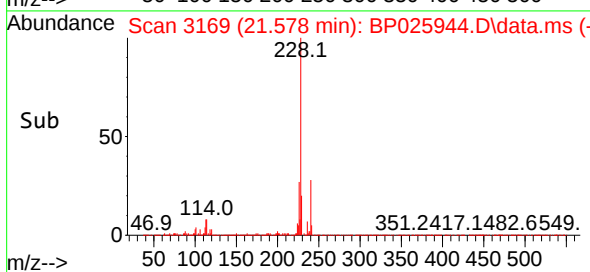
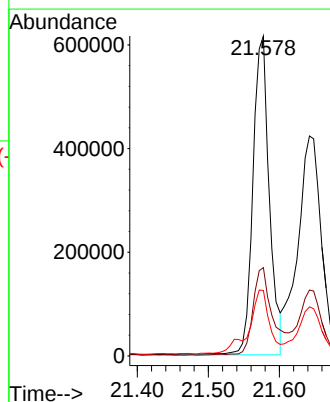
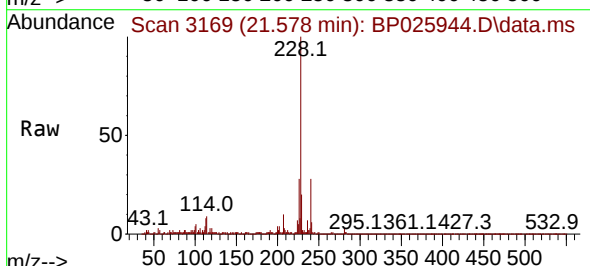
Tgt Ion:228 Resp: 985050

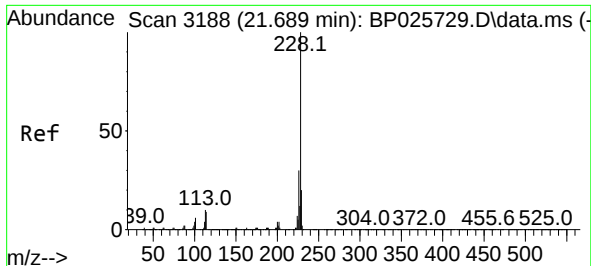
Ion Ratio Lower Upper

228 100

226 27.6 21.6 32.4

229 20.5 15.7 23.5

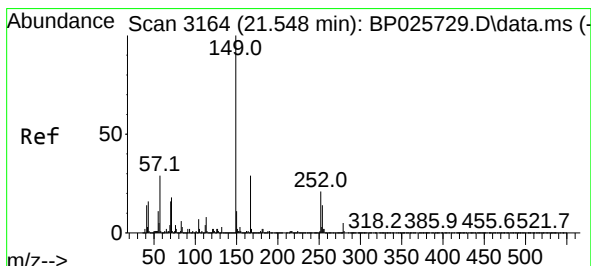
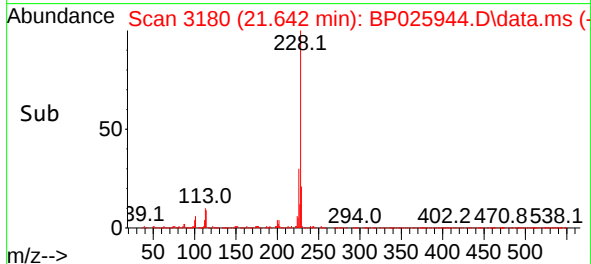
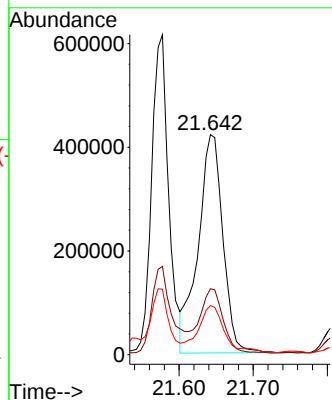
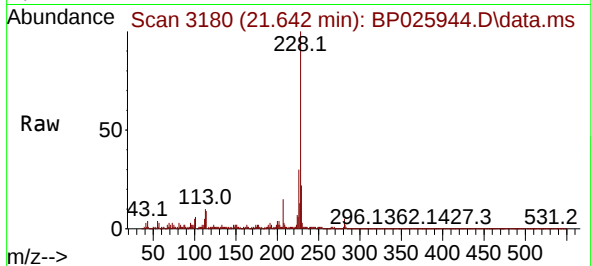




#83
Chrysene
Concen: 17.338 ng
RT: 21.642 min Scan# 3188
Delta R.T. -0.047 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

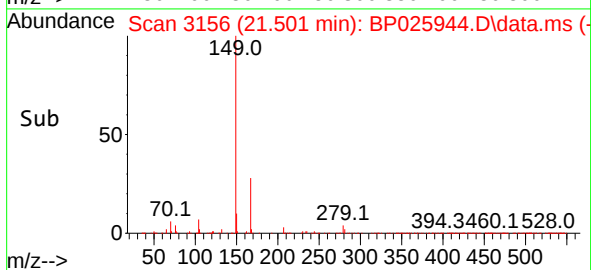
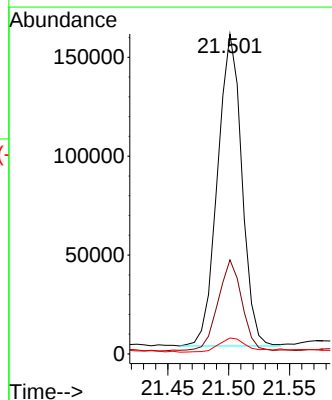
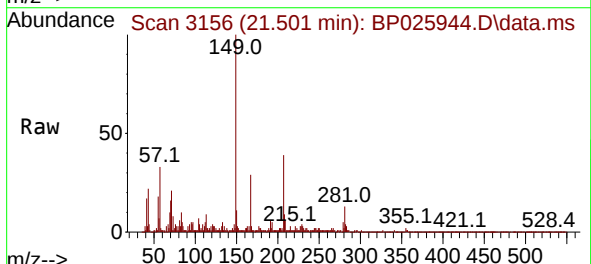
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

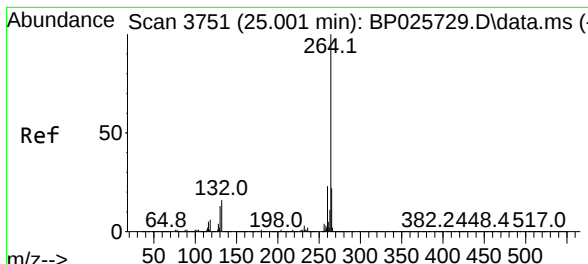
Tgt Ion:228 Resp: 979177
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 22.3 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.921 ng
RT: 21.501 min Scan# 3156
Delta R.T. -0.047 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:149 Resp: 219298
Ion Ratio Lower Upper
149 100
167 29.4 22.9 34.3
279 5.0 3.8 5.8

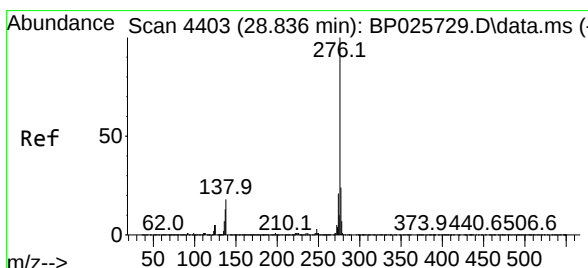
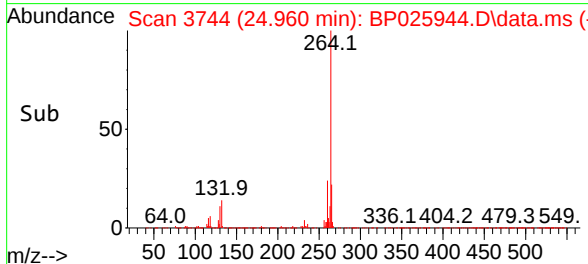
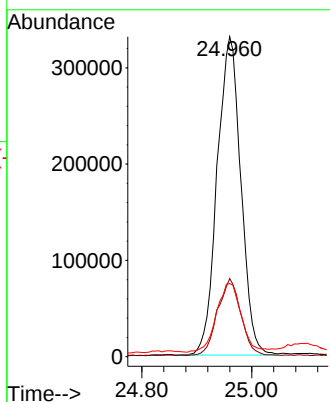
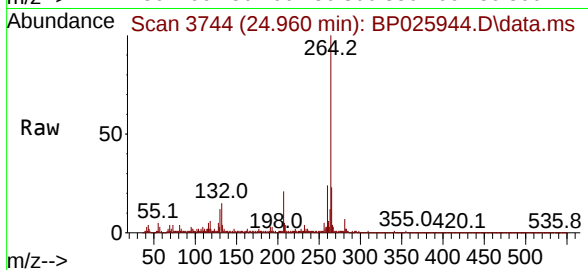




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.960 min Scan# 31
 Delta R.T. -0.041 min
 Lab File: BP025944.D
 Acq: 07 Oct 2025 15:55

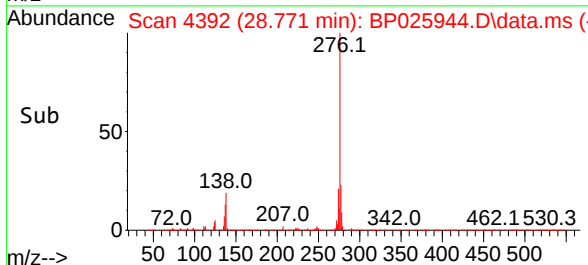
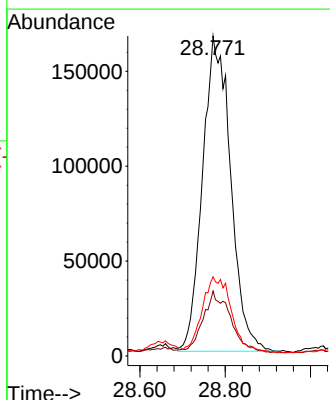
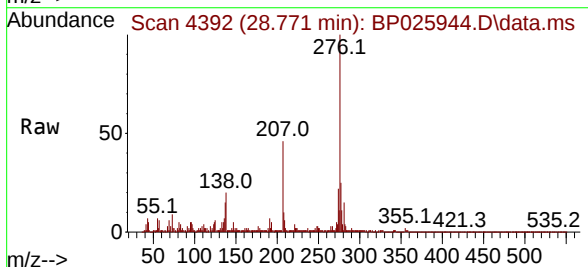
Instrument :
 BNA_P
 ClientSampleId :
 EO-02-10062025

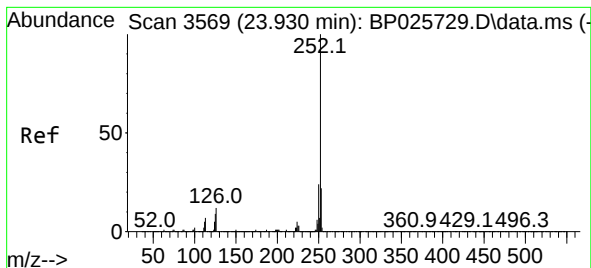
Tgt Ion:	264	Resp:	990370
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.3	27.5
265	22.9	17.3	25.9



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.566 ng
 RT: 28.771 min Scan# 4392
 Delta R.T. -0.065 min
 Lab File: BP025944.D
 Acq: 07 Oct 2025 15:55

Tgt Ion:	276	Resp:	761005
Ion Ratio	Lower	Upper	
276	100		
138	19.0	13.4	20.2
277	25.3	9.1	13.7





#88

Benzo(b)fluoranthene

Concen: 23.310 ng

RT: 23.901 min Scan# 3564

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

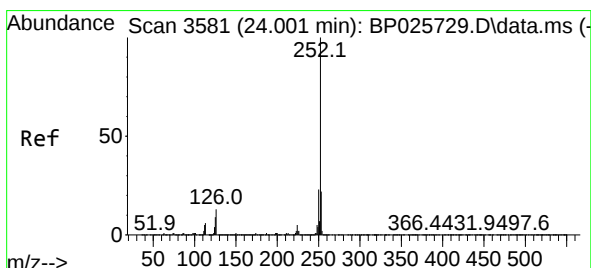
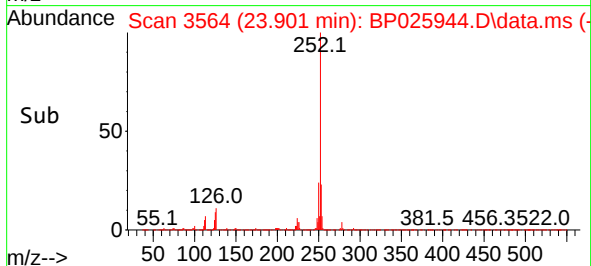
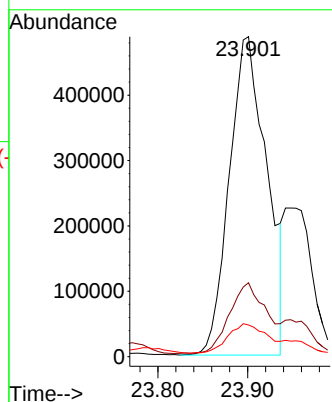
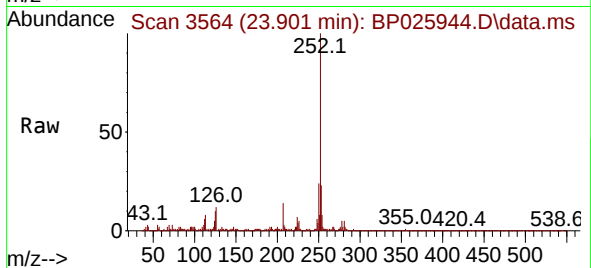
Tgt Ion:252 Resp: 1411734

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 9.9 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 22.843 ng

RT: 23.901 min Scan# 3564

Delta R.T. -0.100 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

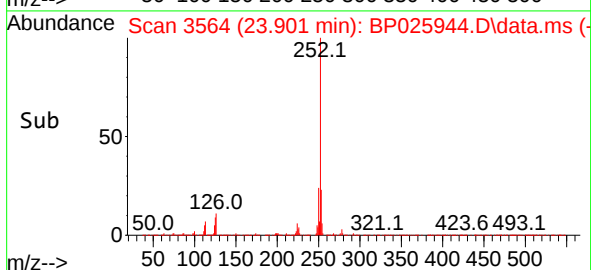
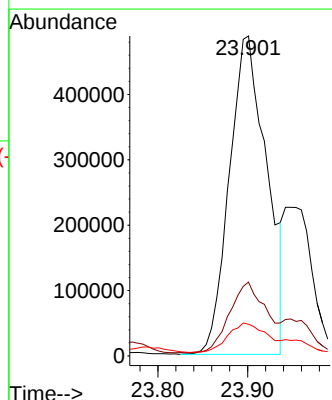
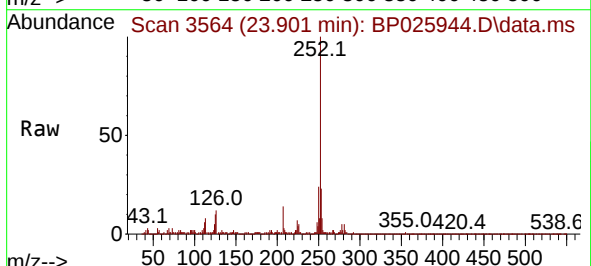
Tgt Ion:252 Resp: 1411734

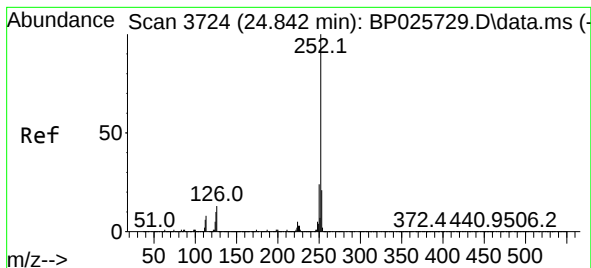
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 9.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 17.197 ng

RT: 24.789 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

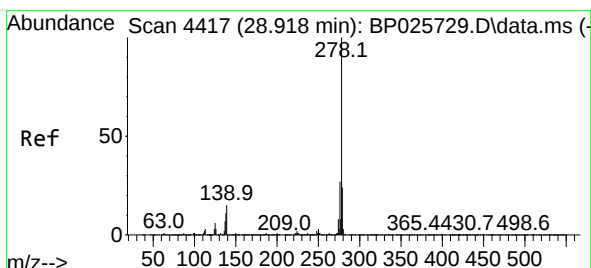
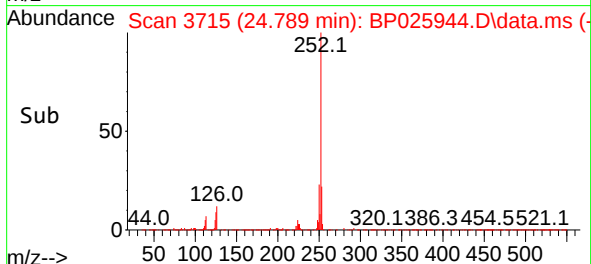
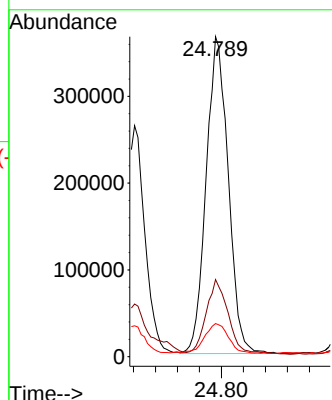
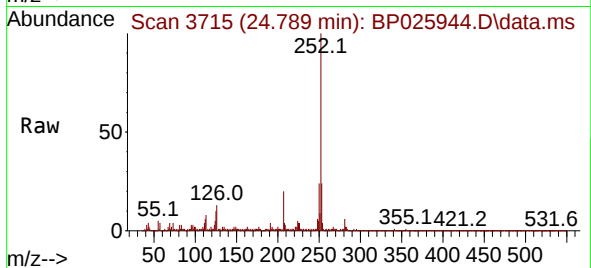
Tgt Ion:252 Resp: 1019962

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 10.3 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 3.290 ng

RT: 28.801 min Scan# 4397

Delta R.T. -0.117 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

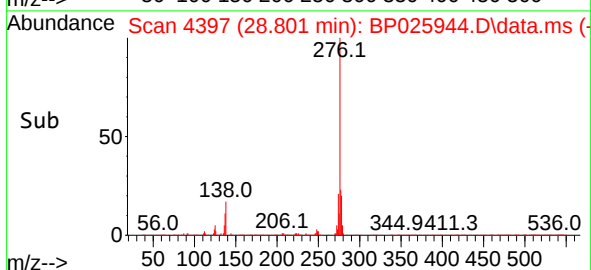
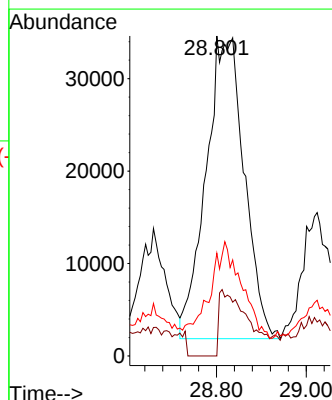
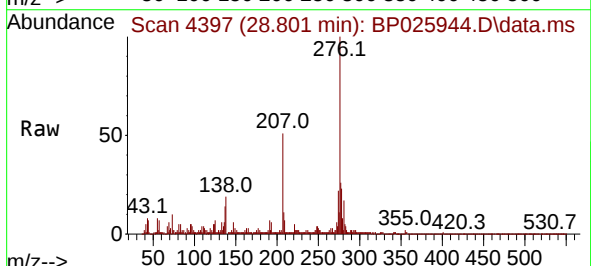
Tgt Ion:278 Resp: 193895

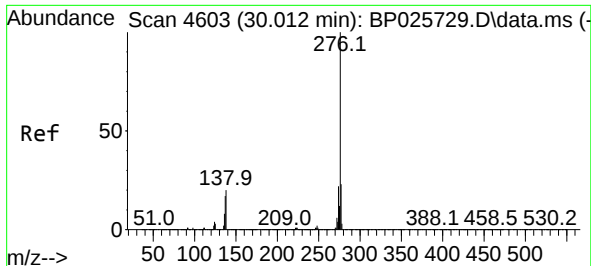
Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

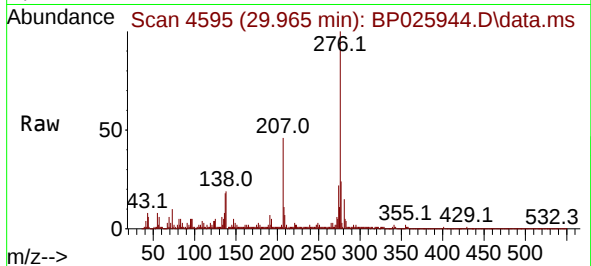
279 32.1 19.6 29.4#





#92
 Benzo(g,h,i)perylene
 Concen: 13.373 ng
 RT: 29.965 min Scan# 4
 Delta R.T. -0.047 min
 Lab File: BP025944.D
 Acq: 07 Oct 2025 15:55

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-10062025



Tgt Ion:276 Resp: 775116
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.7 28.1
 138 18.8 16.0 24.0

