

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
 Data File : BP025950.D
 Acq On : 07 Oct 2025 20:02
 Operator : RC/JU
 Sample : Q3295-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-10062025

Quant Time: Oct 08 01:22:44 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)

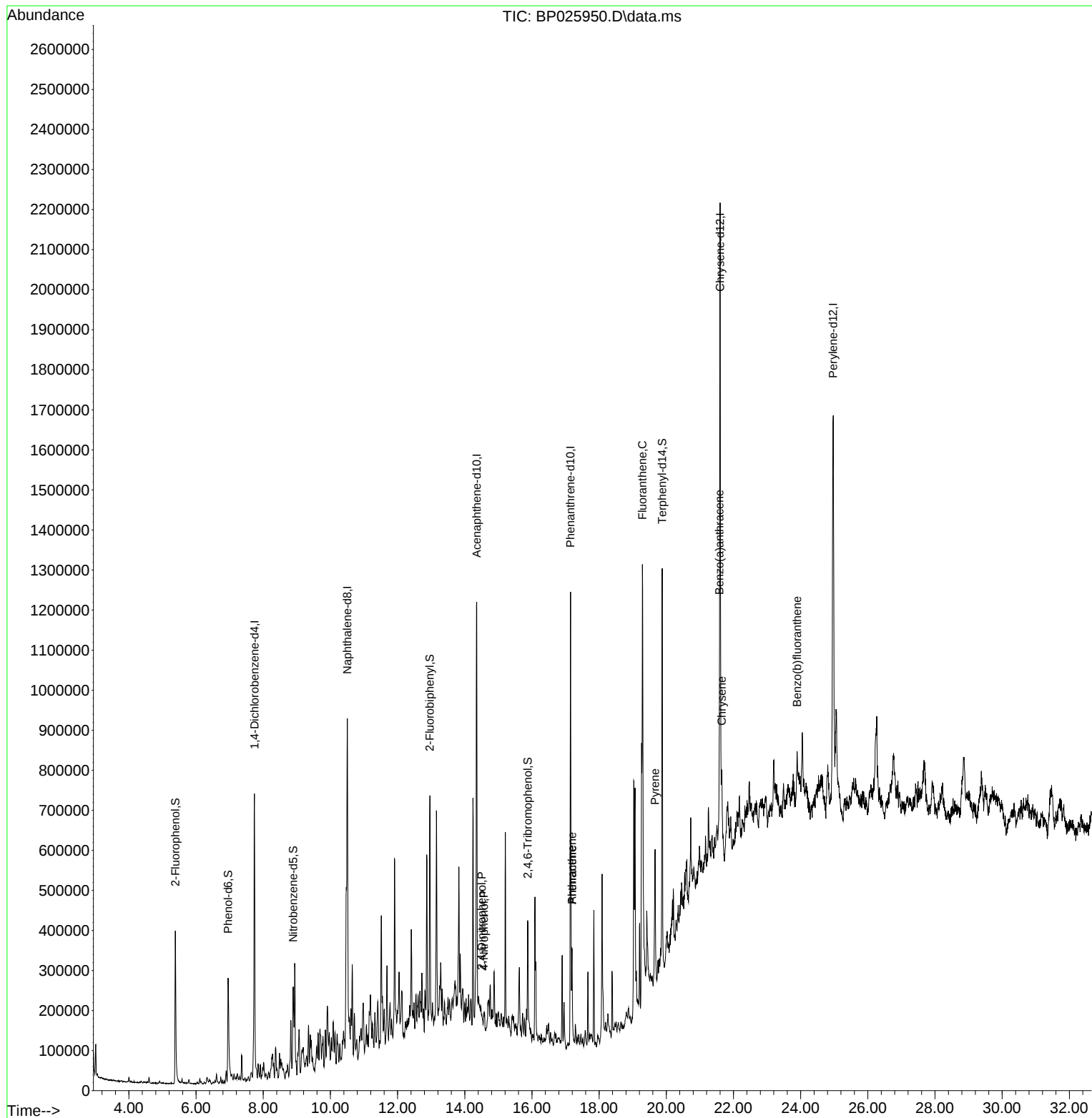
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.737	152	212597	20.000	ng	-0.02
21) Naphthalene-d8	10.502	136	757874	20.000	ng	-0.02
39) Acenaphthene-d10	14.354	164	418686	20.000	ng	-0.02
64) Phenanthrene-d10	17.148	188	713670	20.000	ng	-0.04
76) Chrysene-d12	21.601	240	872108	20.000	ng	-0.04
86) Perylene-d12	24.966	264	1031660	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	212690	16.143	ng	0.00
7) Phenol-d6	6.955	99	243864	13.925	ng	0.00
23) Nitrobenzene-d5	8.890	82	160887	9.364	ng	-0.01
42) 2,4,6-Tribromophenol	15.878	330	76293	14.609	ng	-0.03
45) 2-Fluorobiphenyl	12.960	172	352861	11.222	ng	-0.03
79) Terphenyl-d14	19.878	244	519449	10.715	ng	-0.04
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.507	184	90	4.844	ng	# 1
56) 4-Nitrophenol	14.572	139	1529	4.718	ng	# 1
71) Phenanthrene	17.195	178	146905	3.629	ng	99
72) Anthracene	17.195	178	146905	3.576	ng	100
75) Fluoranthene	19.289	202	217024	4.470	ng	96
78) Pyrene	19.666	202	213574	3.670	ng	99
81) Benzo(a)anthracene	21.583	228	137788	2.308	ng	96
83) Chrysene	21.654	228	131914	2.318	ng	96
88) Benzo(b)fluoranthene	23.895	252	148949	2.361	ng	# 88

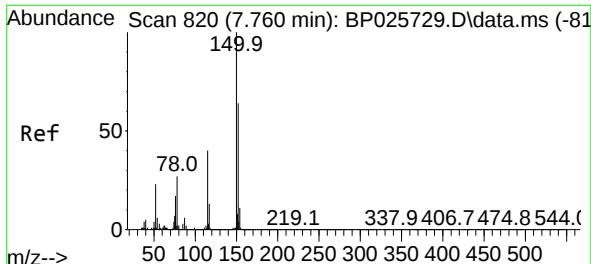
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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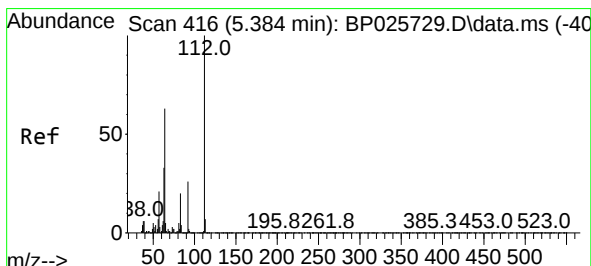
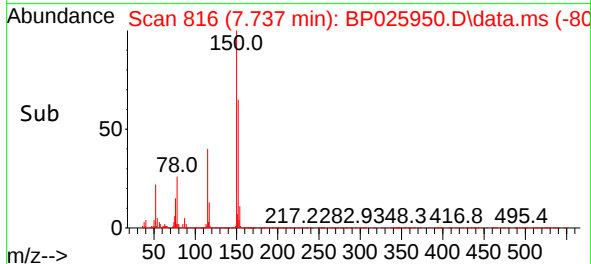
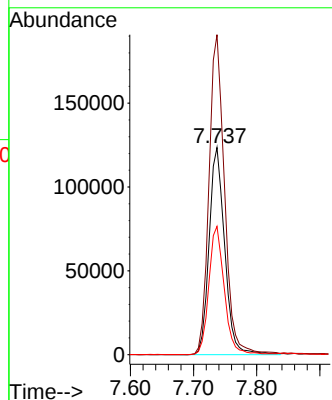
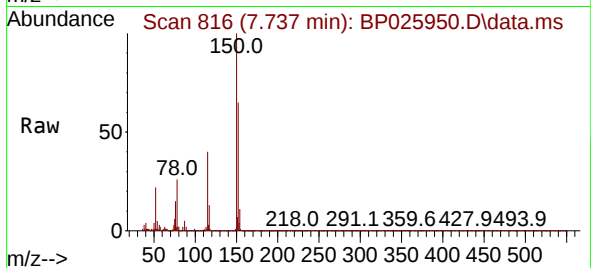




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.737 min Scan# 81
Delta R.T. -0.023 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

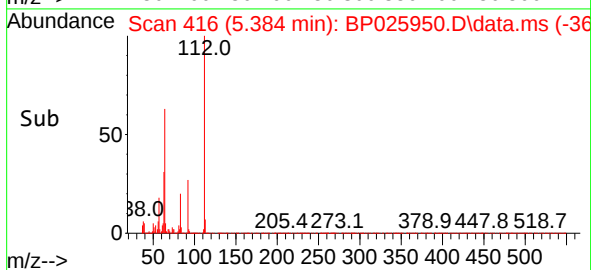
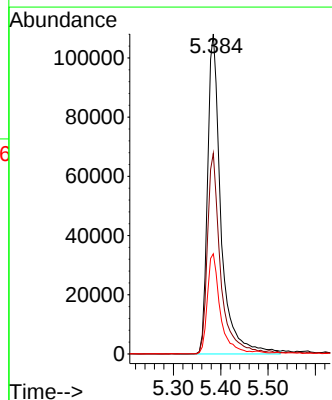
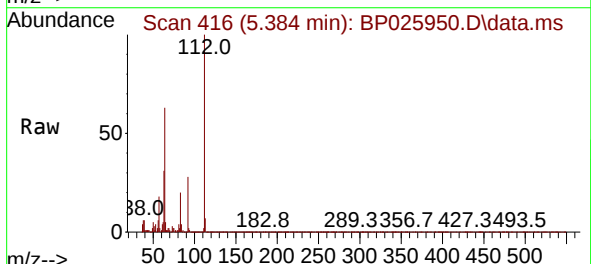
Instrument :
BNA_P
ClientSampleId :
EO-01-10062025

Tgt Ion:152 Resp: 212597
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 62.0 50.3 75.5



#5
2-Fluorophenol
Concen: 16.143 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

Tgt Ion:112 Resp: 212690
Ion Ratio Lower Upper
112 100
64 62.7 50.2 75.4
63 31.3 26.7 40.1

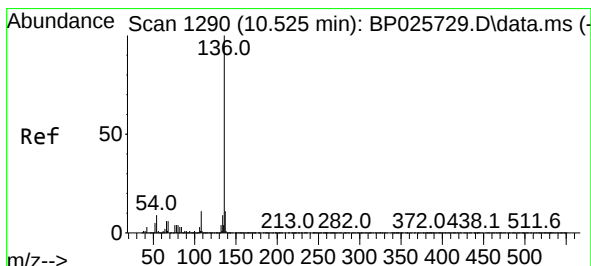
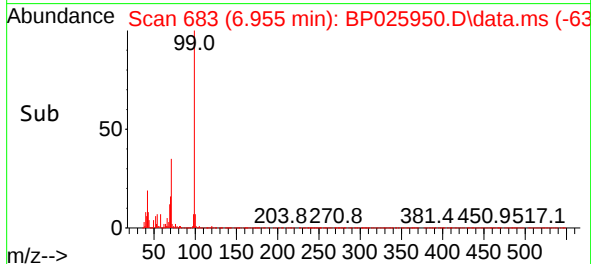
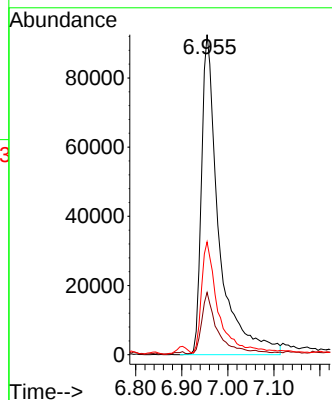
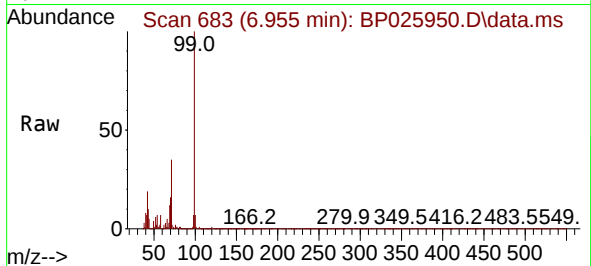




#7
Phenol-d6
Concen: 13.925 ng
RT: 6.955 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

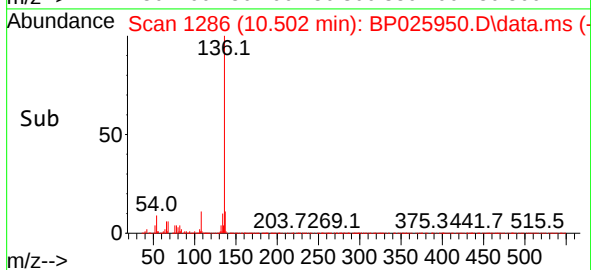
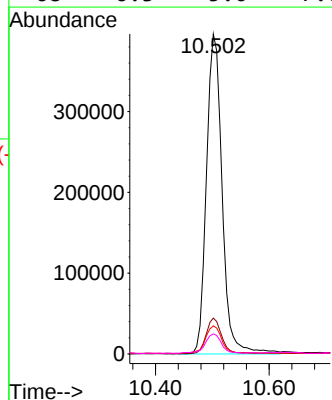
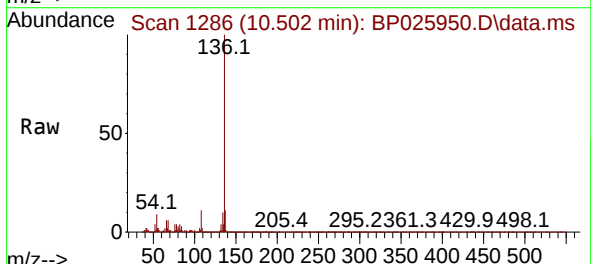
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BNA_P
ClientSampleId :
EO-01-10062025

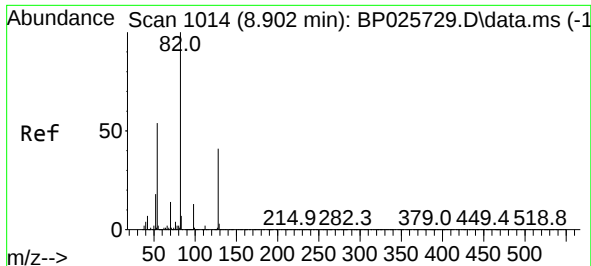
Tgt Ion: 99 Resp: 243864
Ion Ratio Lower Upper
99 100
42 19.4 15.6 23.4
71 35.2 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.502 min Scan# 1286
Delta R.T. -0.023 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

Tgt Ion:136 Resp: 757874
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.8 7.5 11.3
68 6.3 5.0 7.6

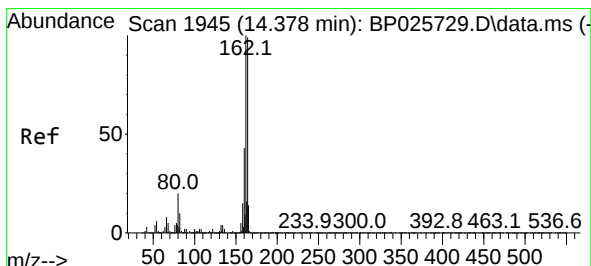
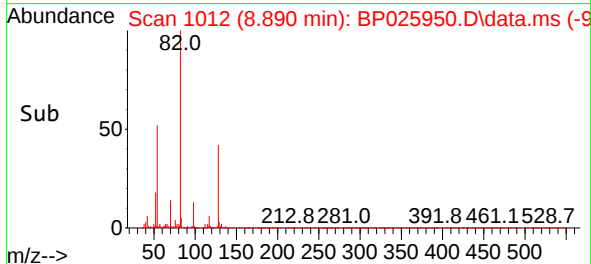
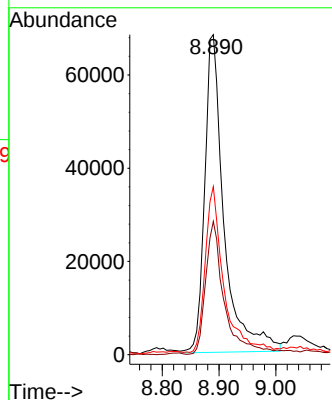
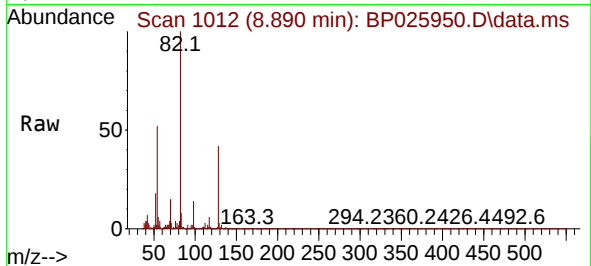




#23
Nitrobenzene-d5
Concen: 9.364 ng
RT: 8.890 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

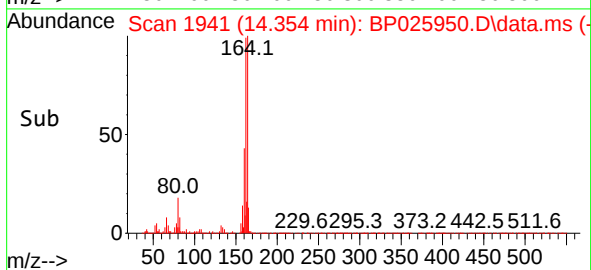
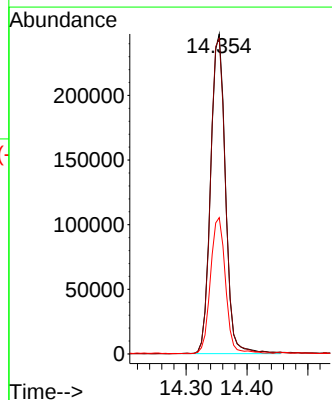
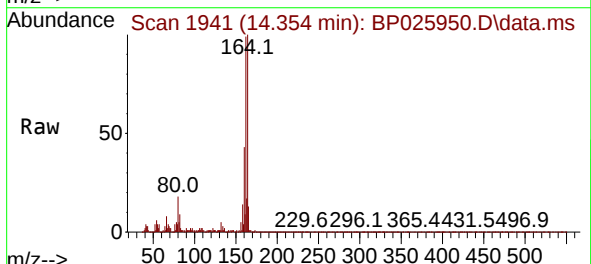
Instrument :
BNA_P
ClientSampleId :
EO-01-10062025

Tgt Ion: 82 Resp: 160887
Ion Ratio Lower Upper
82 100
128 41.7 32.9 49.3
54 52.5 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.354 min Scan# 1941
Delta R.T. -0.023 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

Tgt Ion:164 Resp: 418686
Ion Ratio Lower Upper
164 100
162 98.6 80.6 120.8
160 42.6 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 14.609 ng

RT: 15.878 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

Instrument :

BNA_P

ClientSampleId :

EO-01-10062025

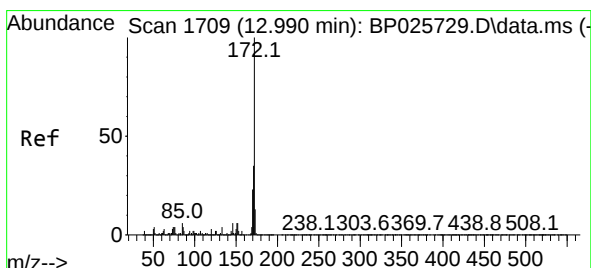
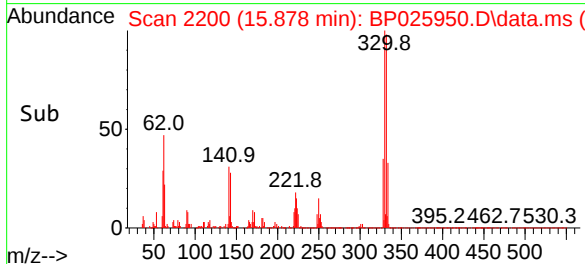
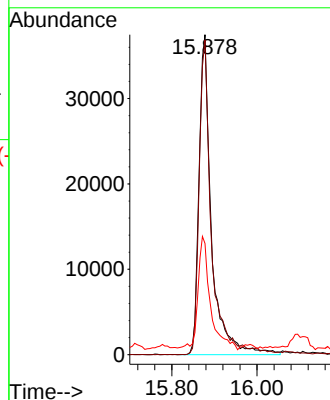
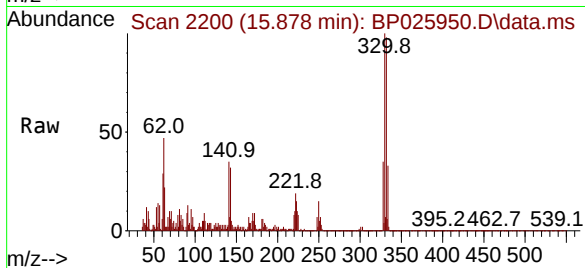
Tgt Ion:330 Resp: 76293

Ion Ratio Lower Upper

330 100

332 94.8 76.9 115.3

141 35.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 11.222 ng

RT: 12.960 min Scan# 1704

Delta R.T. -0.029 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

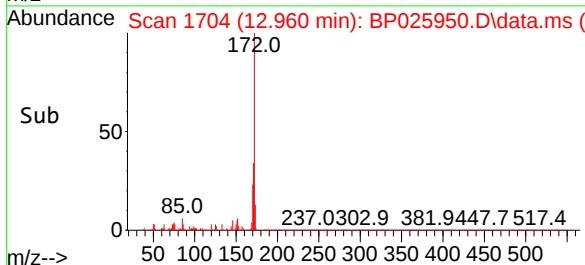
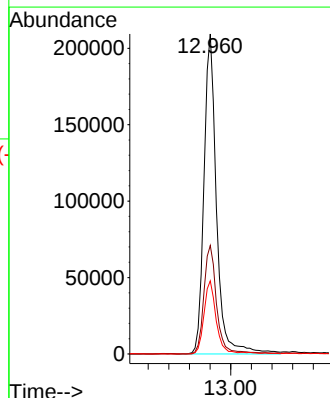
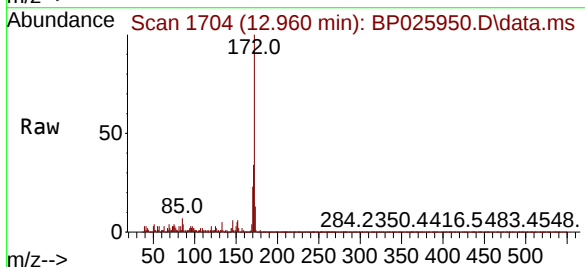
Tgt Ion:172 Resp: 352861

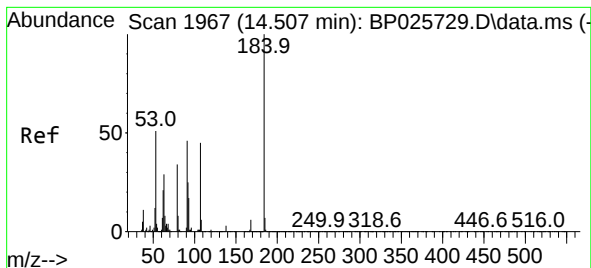
Ion Ratio Lower Upper

172 100

171 33.9 27.8 41.6

170 22.8 18.6 27.8

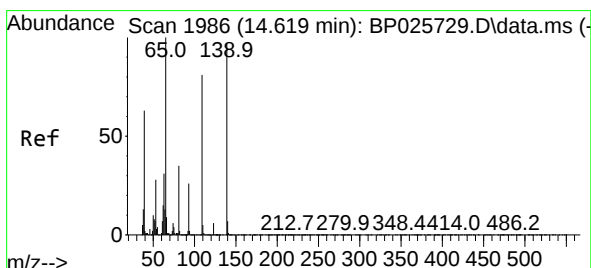
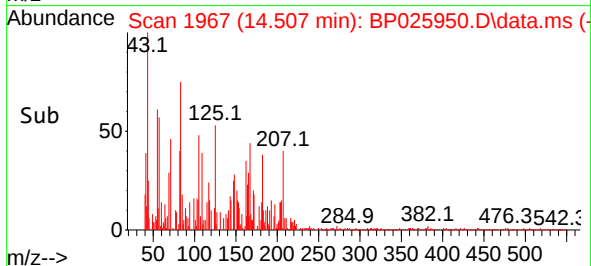
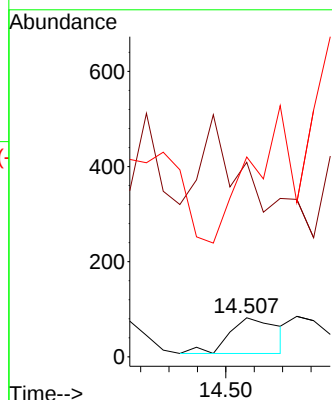
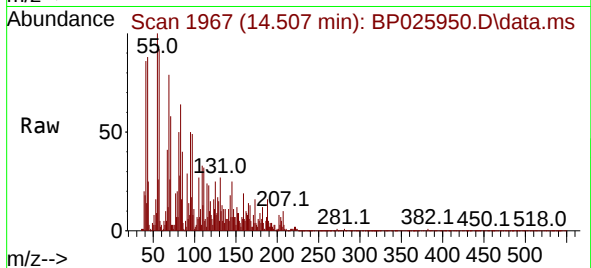




#54
2,4-Dinitrophenol
Concen: 4.844 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

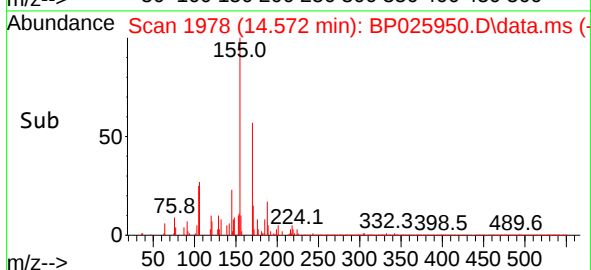
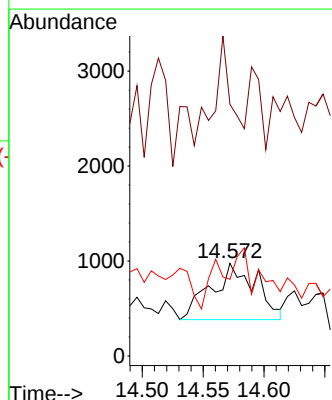
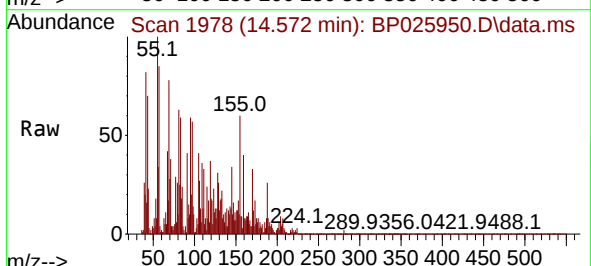
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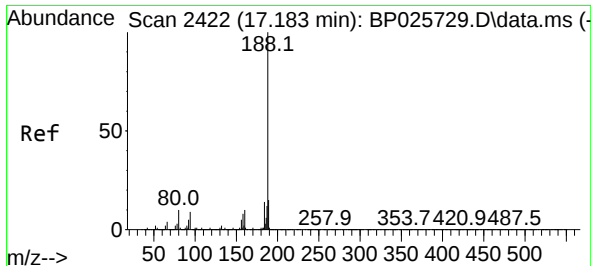
Tgt Ion:184 Resp: 90
Ion Ratio Lower Upper
184 100
63 498.8 52.5 78.7#
154 512.2 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.718 ng
RT: 14.572 min Scan# 1978
Delta R.T. -0.047 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

Tgt Ion:139 Resp: 1529
Ion Ratio Lower Upper
139 100
109 271.6 62.9 102.9#
65 82.8 83.4 123.4#

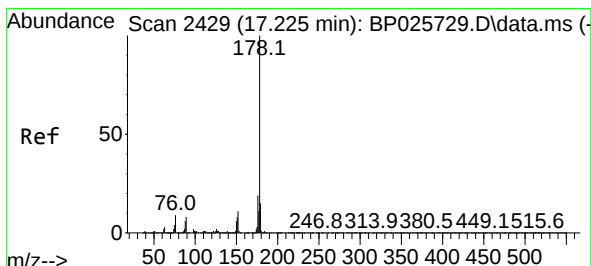
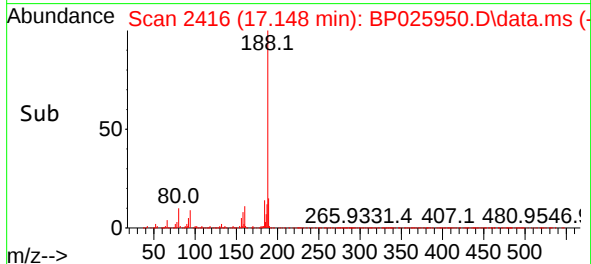
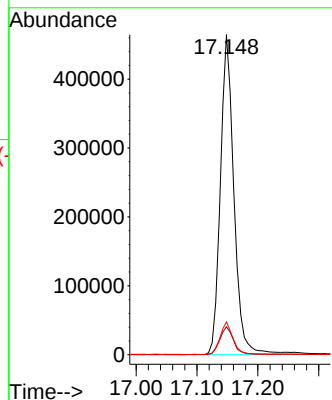
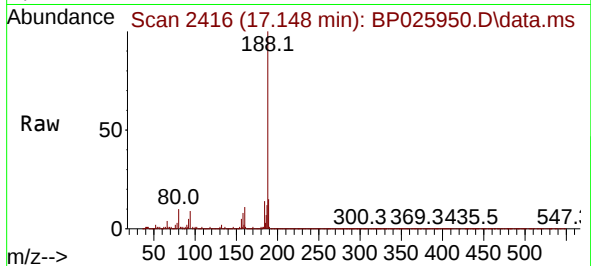




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.148 min Scan# 2416
Delta R.T. -0.035 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

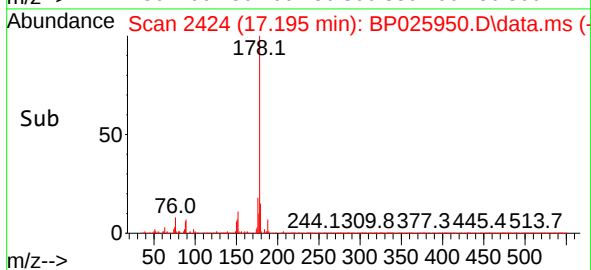
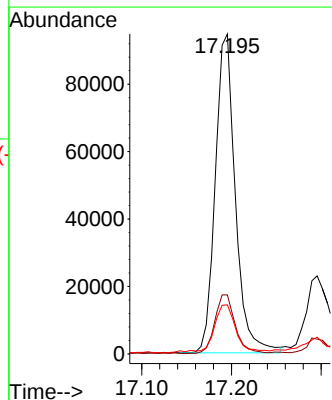
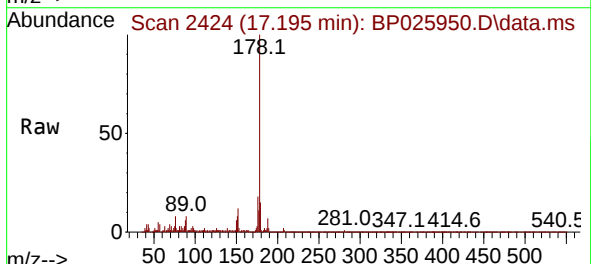
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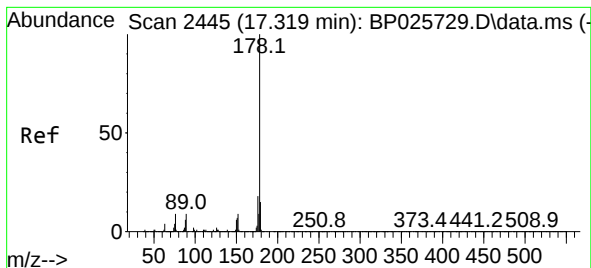
Tgt Ion:188 Resp: 713670
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 10.3 7.7 11.5



#71
Phenanthrene
Concen: 3.629 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.029 min
Lab File: BP025950.D
Acq: 07 Oct 2025 20:02

Tgt Ion:178 Resp: 146905
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.4 12.2 18.4





#72

Anthracene

Concen: 3.576 ng

RT: 17.195 min Scan# 2445

Delta R.T. -0.123 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

Instrument :

BNA_P

ClientSampleId :

EO-01-10062025

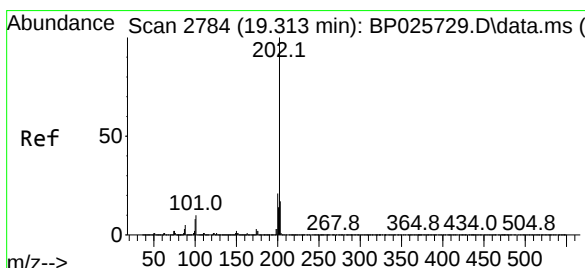
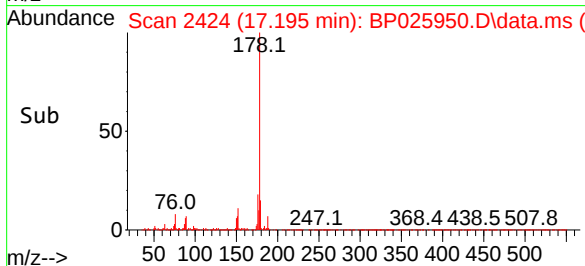
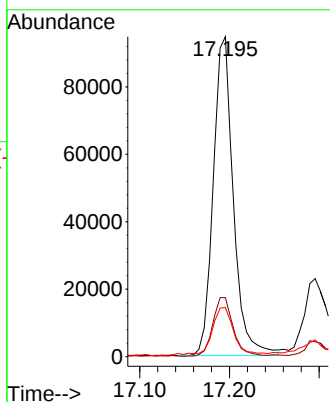
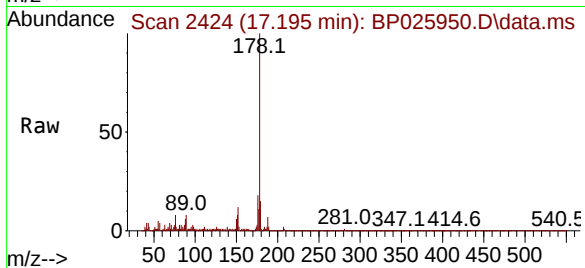
Tgt Ion:178 Resp: 146905

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.4 12.2 18.4



#75

Fluoranthene

Concen: 4.470 ng

RT: 19.289 min Scan# 2780

Delta R.T. -0.023 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

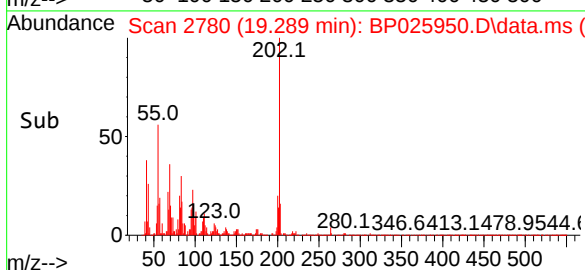
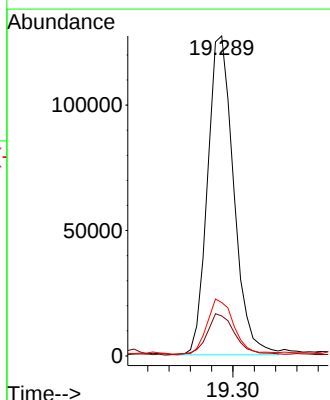
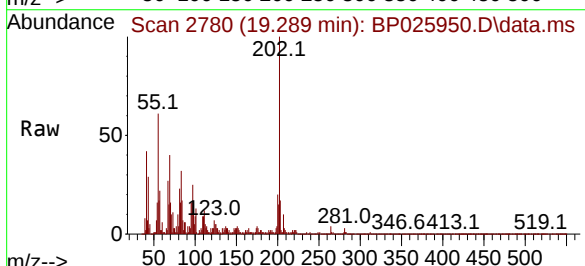
Tgt Ion:202 Resp: 217024

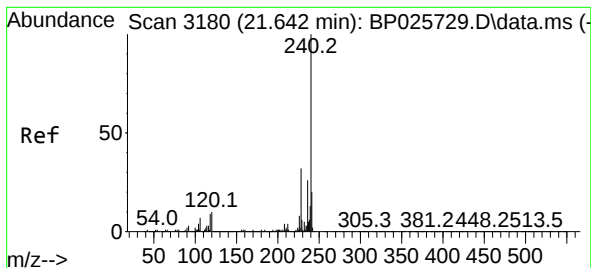
Ion Ratio Lower Upper

202 100

101 13.8 0.0 30.4

203 16.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.601 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

Instrument :

BNA_P

ClientSampleId :

EO-01-10062025

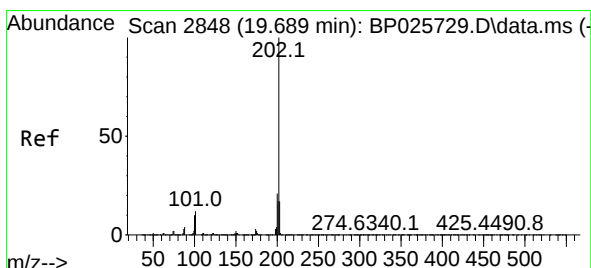
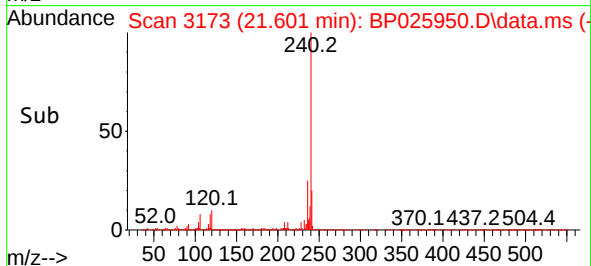
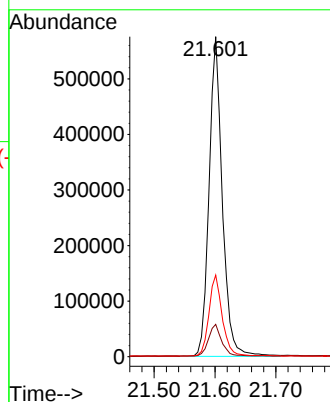
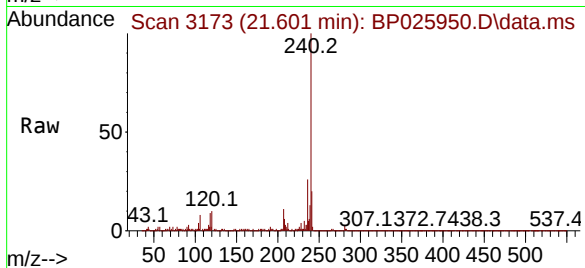
Tgt Ion:240 Resp: 872108

Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

236 25.5 20.7 31.1



#78

Pyrene

Concen: 3.670 ng

RT: 19.666 min Scan# 2844

Delta R.T. -0.023 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

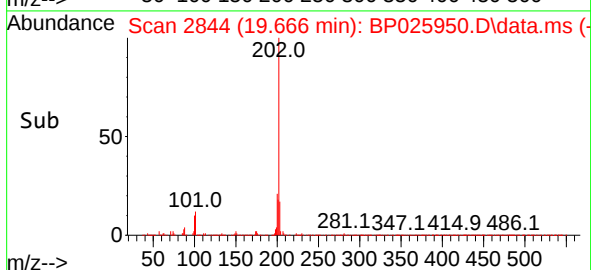
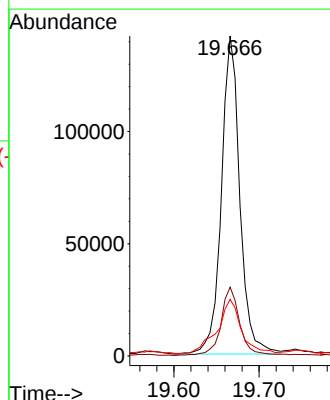
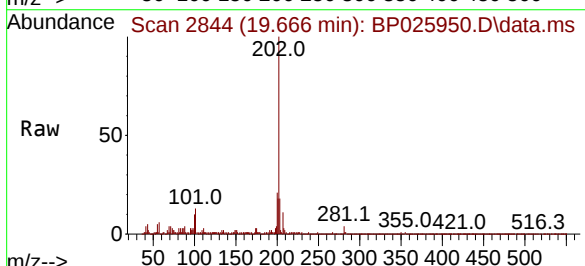
Tgt Ion:202 Resp: 213574

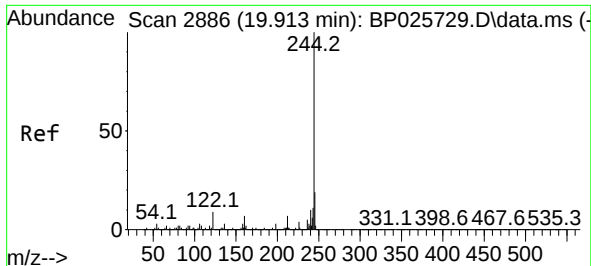
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.7 13.9 20.9

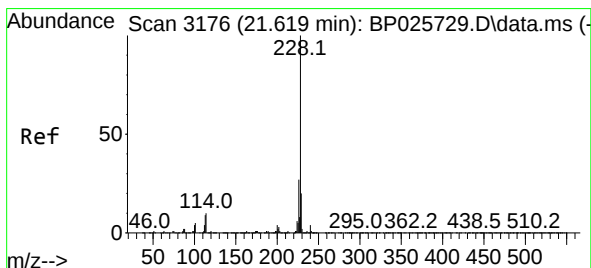
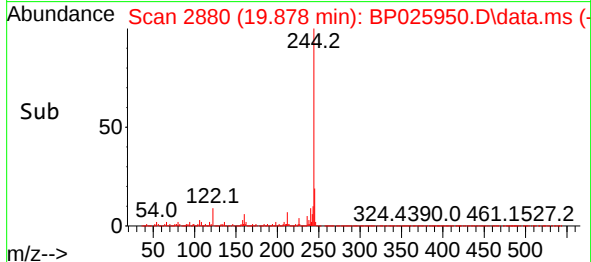
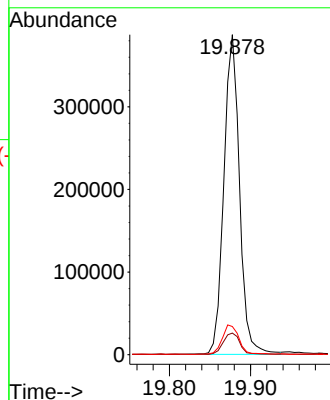
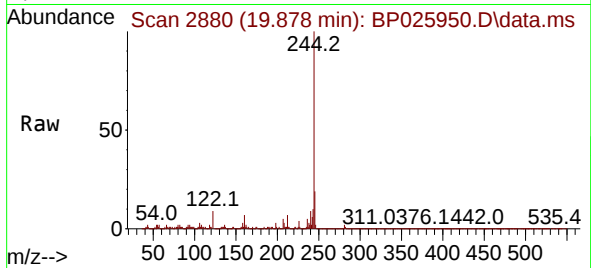




#79
 Terphenyl-d14
 Concen: 10.715 ng
 RT: 19.878 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BP025950.D
 Acq: 07 Oct 2025 20:02

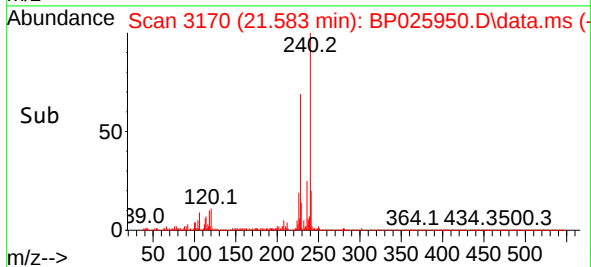
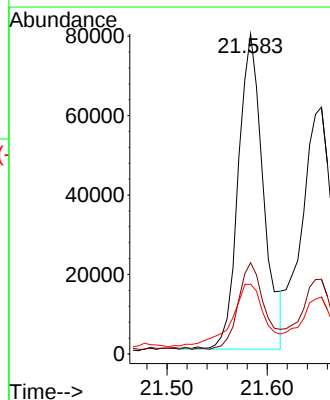
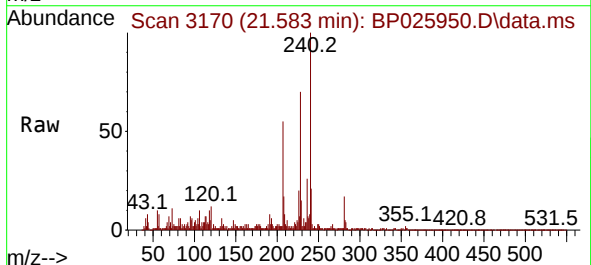
Instrument :
 BNA_P
 ClientSampleId :
 EO-01-10062025

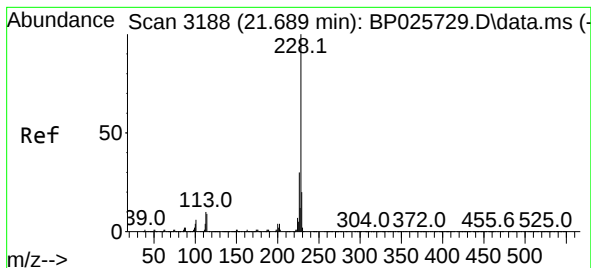
Tgt Ion:244 Resp: 519449
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 8.8 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 2.308 ng
 RT: 21.583 min Scan# 3170
 Delta R.T. -0.035 min
 Lab File: BP025950.D
 Acq: 07 Oct 2025 20:02

Tgt Ion:228 Resp: 137788
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 21.8 15.7 23.5





#83

Chrysene

Concen: 2.318 ng

RT: 21.654 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

Instrument :

BNA_P

ClientSampleId :

EO-01-10062025

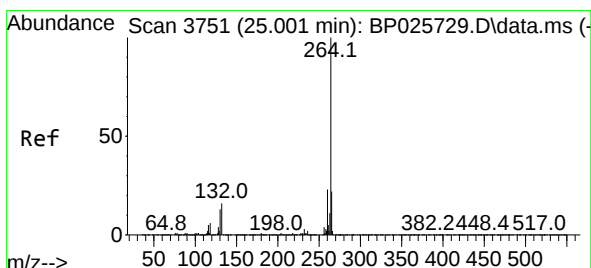
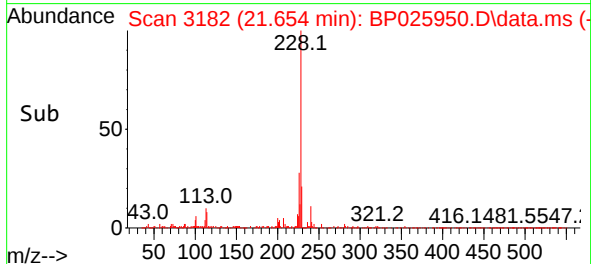
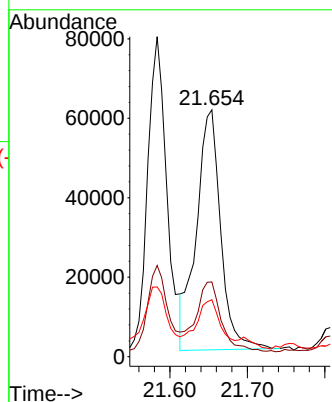
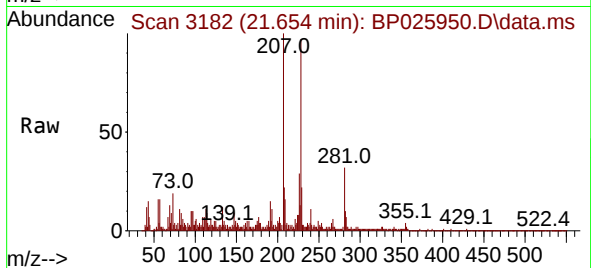
Tgt Ion:228 Resp: 131914

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 23.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.966 min Scan# 3745

Delta R.T. -0.035 min

Lab File: BP025950.D

Acq: 07 Oct 2025 20:02

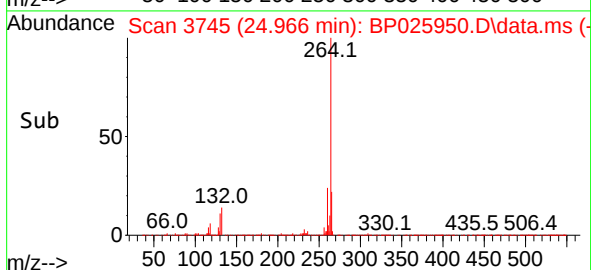
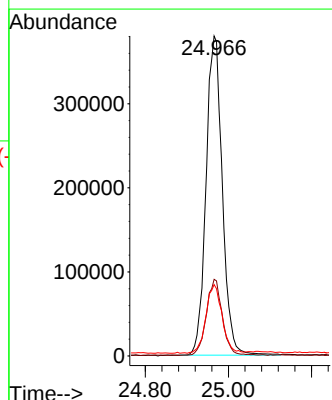
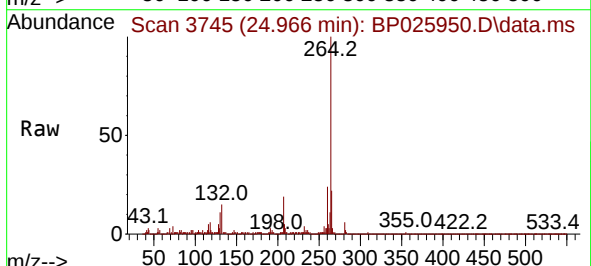
Tgt Ion:264 Resp: 1031660

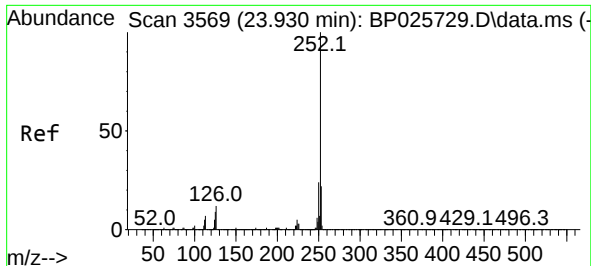
Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

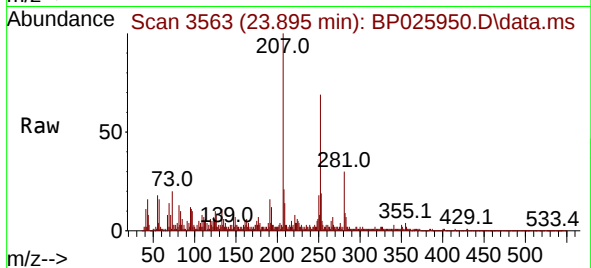
265 22.3 17.3 25.9





#88
 Benzo(b)fluoranthene
 Concen: 2.361 ng
 RT: 23.895 min Scan# 31
 Delta R.T. -0.035 min
 Lab File: BP025950.D
 Acq: 07 Oct 2025 20:02

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-10062025



Tgt Ion:252 Resp: 148949
 Ion Ratio Lower Upper
 252 100
 253 27.6 17.9 26.9#
 125 14.6 7.3 10.9#

