

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025884.D
 Acq On : 29 Sep 2025 17:07
 Operator : CG/JU
 Sample : Q3208-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-ESM-COMP-01

Quant Time: Sep 29 17:48:54 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)

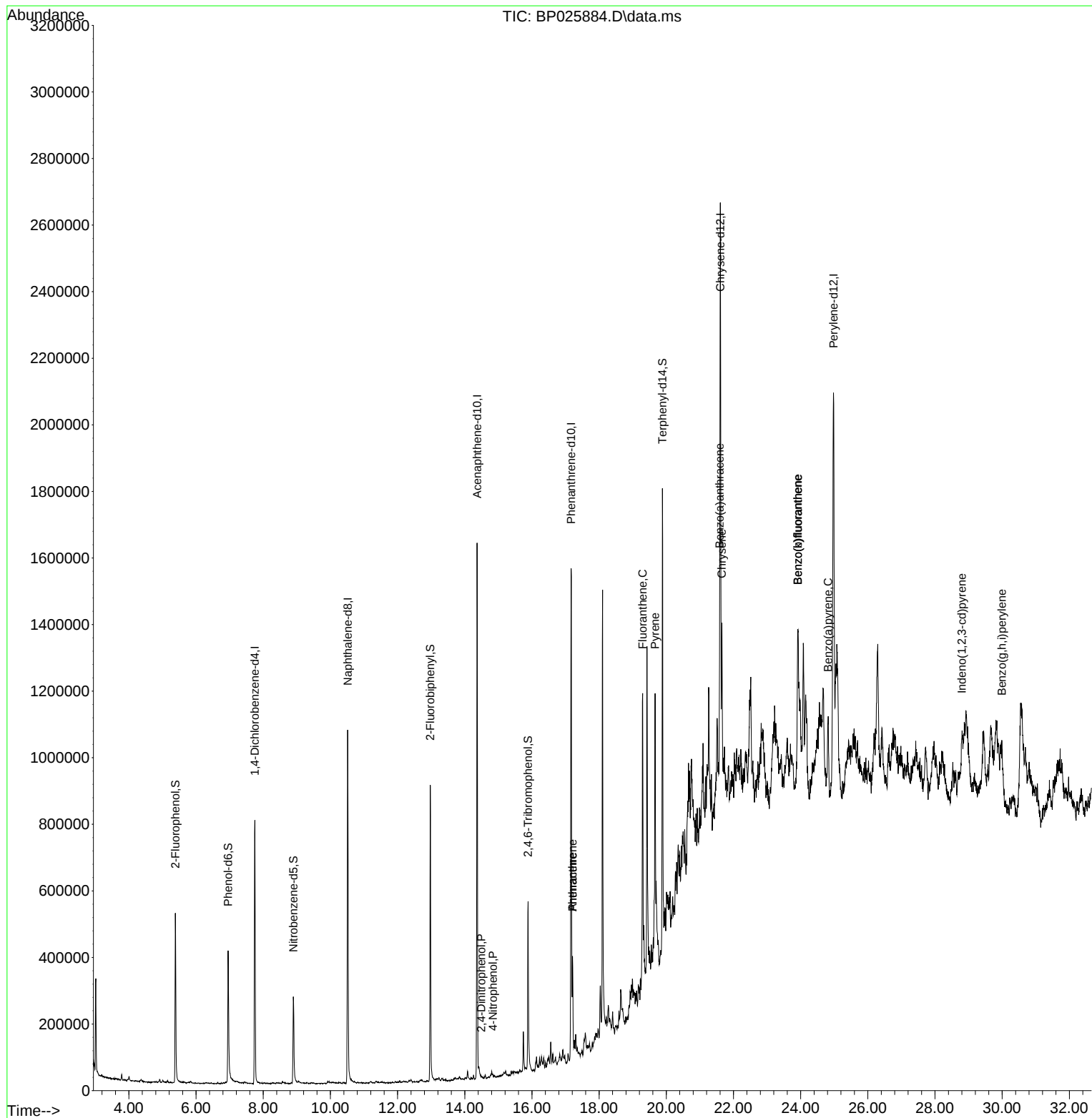
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	237312	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	905424	20.000	ng	-0.01
39) Acenaphthene-d10	14.366	164	558707	20.000	ng	-0.01
64) Phenanthrene-d10	17.166	188	997724	20.000	ng	-0.02
76) Chrysene-d12	21.607	240	1025474	20.000	ng	-0.04
86) Perylene-d12	24.977	264	1178510	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	258928	17.605	ng	0.00
7) Phenol-d6	6.955	99	309221	15.818	ng	0.00
23) Nitrobenzene-d5	8.896	82	196501	9.573	ng	0.00
42) 2,4,6-Tribromophenol	15.884	330	122256	17.543	ng	-0.02
45) 2-Fluorobiphenyl	12.972	172	488093	11.632	ng	-0.02
79) Terphenyl-d14	19.883	244	679461	11.920	ng	-0.03
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.490	184	6	4.825	ng	# 1
56) 4-Nitrophenol	14.837	139	93	4.493	ng	87
71) Phenanthrene	17.207	178	153760	2.717	ng	98
72) Anthracene	17.207	178	153760	2.678	ng	97
75) Fluoranthene	19.295	202	530197	7.811	ng	99
78) Pyrene	19.666	202	445064	6.504	ng	98
81) Benzo(a)anthracene	21.589	228	223368	3.182	ng	98
83) Chrysene	21.654	228	311749	4.658	ng	97
87) Indeno(1,2,3-cd)pyrene	28.801	276	232345	2.711	ng	# 87
88) Benzo(b)fluoranthene	23.913	252	442428	6.139	ng	# 96
89) Benzo(k)fluoranthene	23.913	252	442428	6.016	ng	# 96
90) Benzo(a)pyrene	24.818	252	250884	3.555	ng	96
92) Benzo(g,h,i)perylene	29.989	276	244919	3.551	ng	97

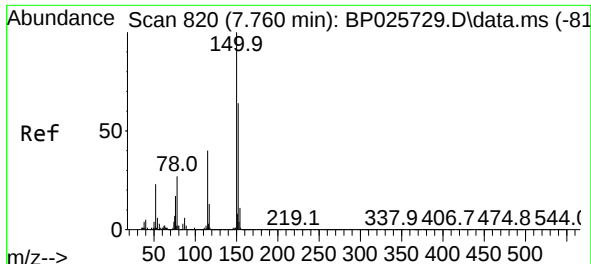
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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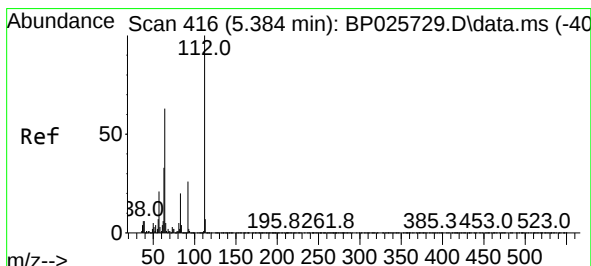
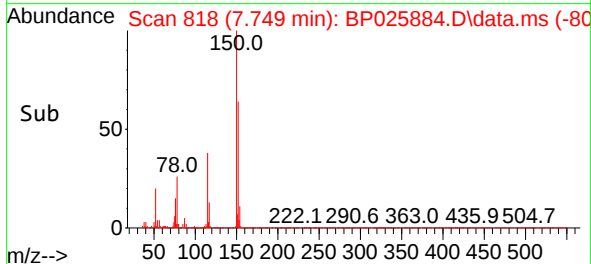
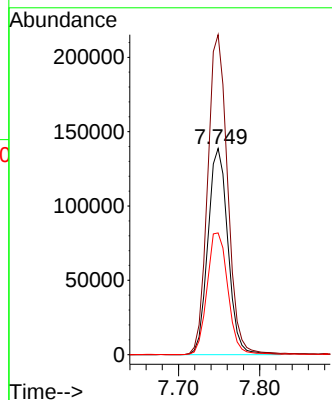
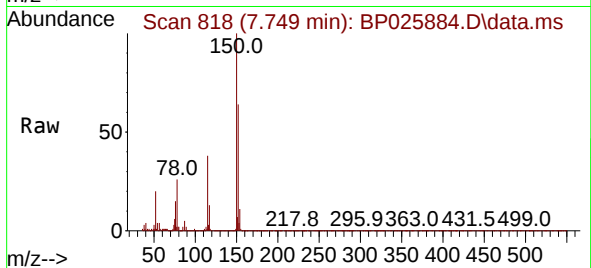




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

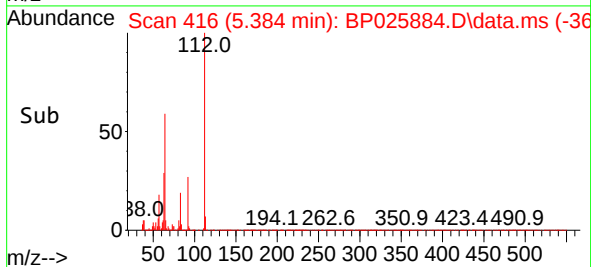
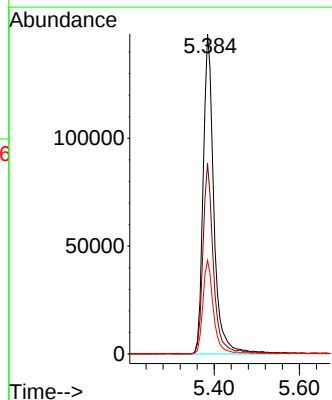
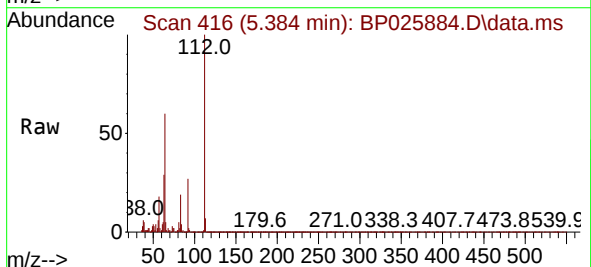
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

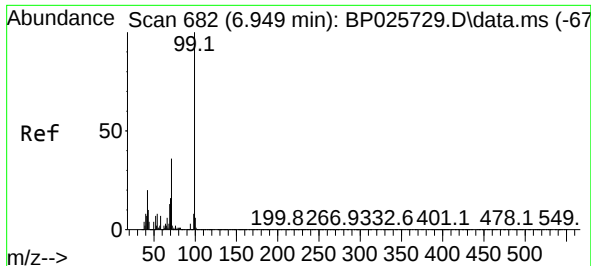
Tgt Ion:152 Resp: 237312
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 59.1 50.3 75.5



#5
2-Fluorophenol
Concen: 17.605 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:112 Resp: 258928
Ion Ratio Lower Upper
112 100
64 59.5 50.2 75.4
63 29.3 26.7 40.1

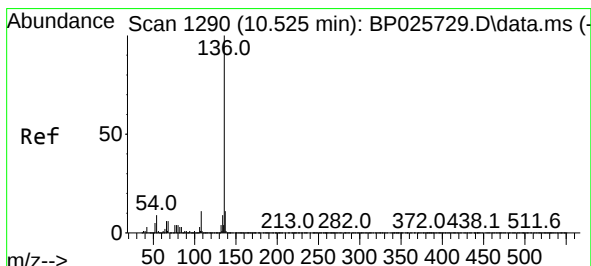
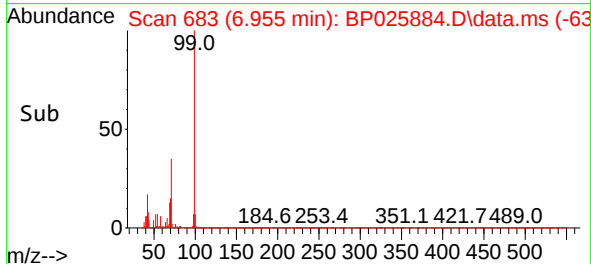
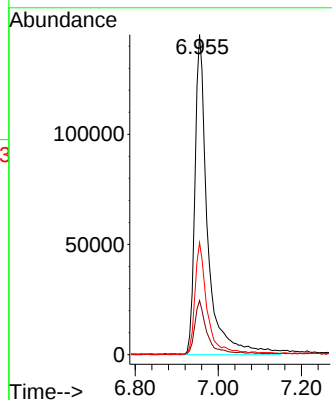
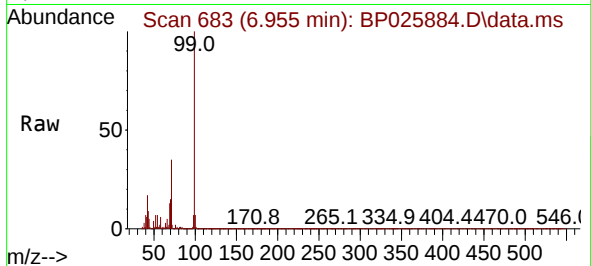




#7
Phenol-d6
Concen: 15.818 ng
RT: 6.955 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

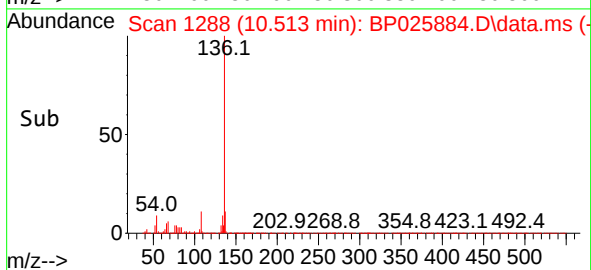
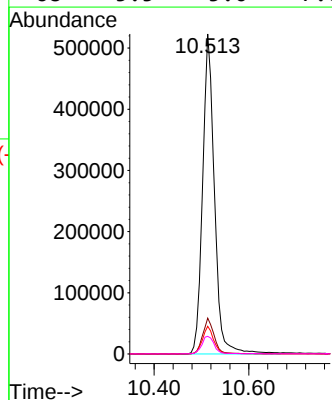
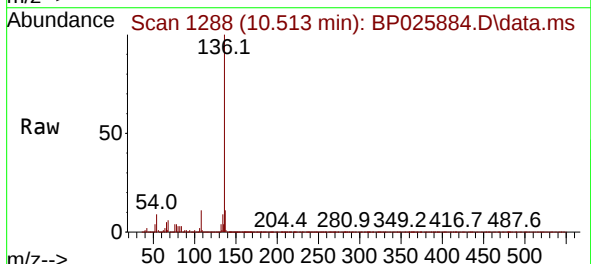
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

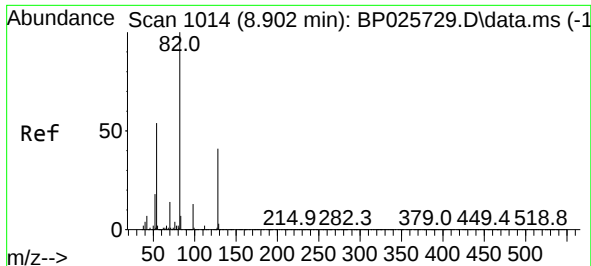
Tgt Ion: 99 Resp: 309221
Ion Ratio Lower Upper
99 100
42 16.9 15.6 23.4
71 35.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:136 Resp: 905424
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.6 7.5 11.3
68 5.5 5.0 7.6

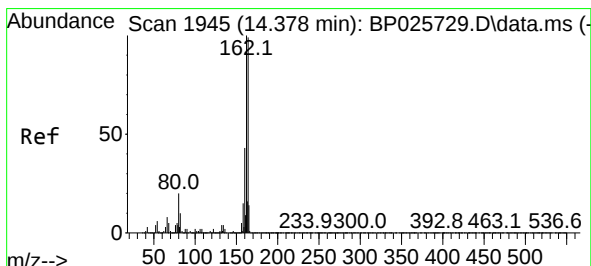
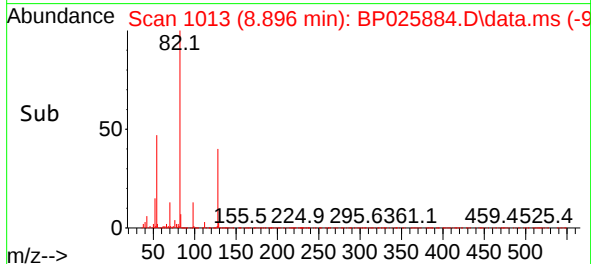
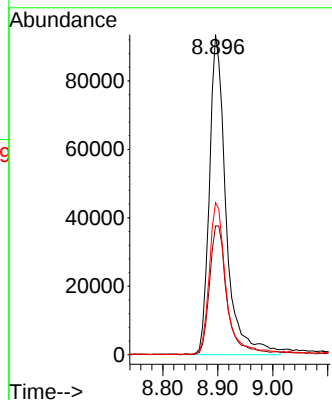
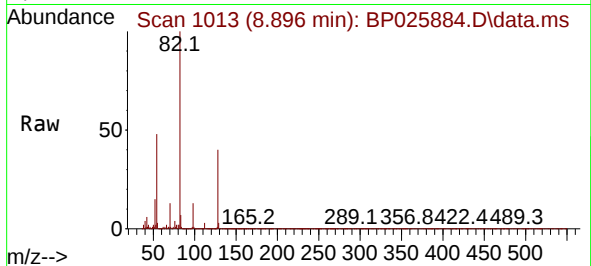




#23
Nitrobenzene-d5
Concen: 9.573 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

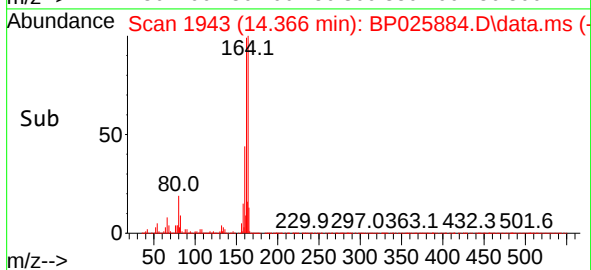
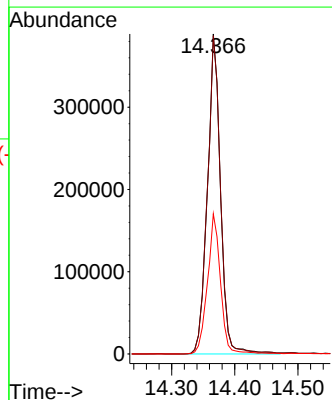
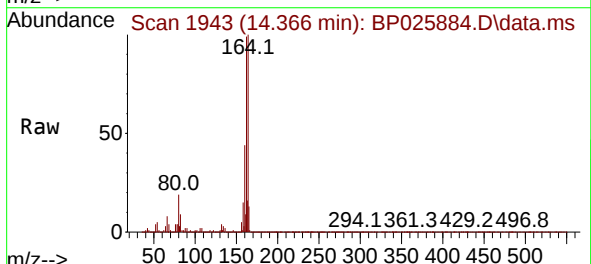
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

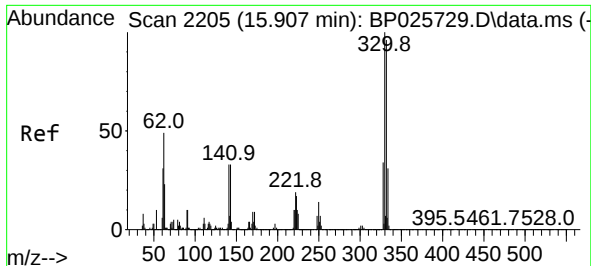
Tgt Ion: 82 Resp: 196501
Ion Ratio Lower Upper
82 100
128 40.3 32.9 49.3
54 47.5 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion: 164 Resp: 558707
Ion Ratio Lower Upper
164 100
162 99.4 80.6 120.8
160 43.8 35.0 52.6

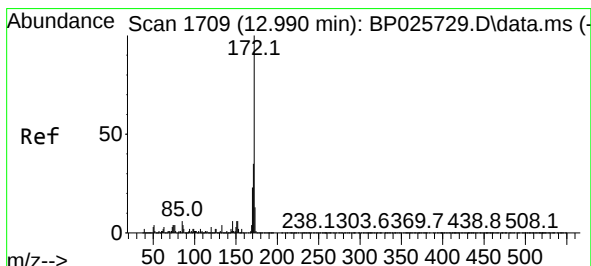
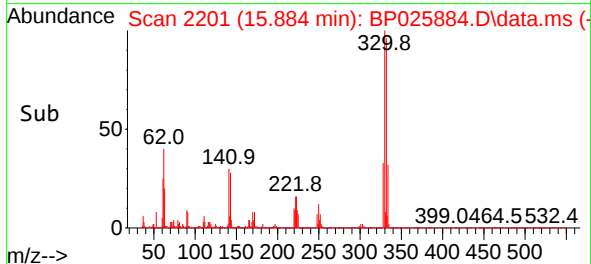
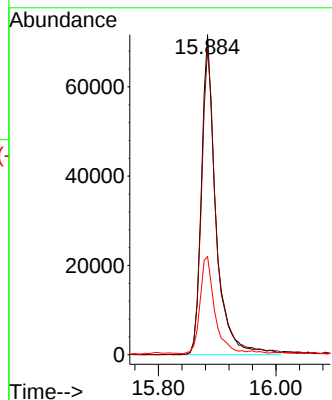
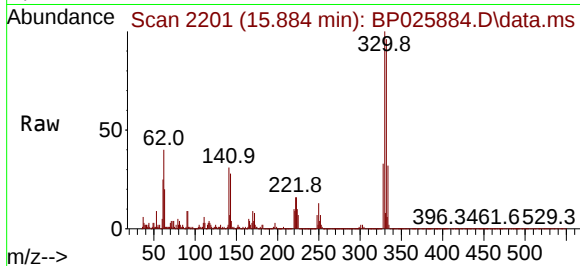




#42
2,4,6-Tribromophenol
Concen: 17.543 ng
RT: 15.884 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

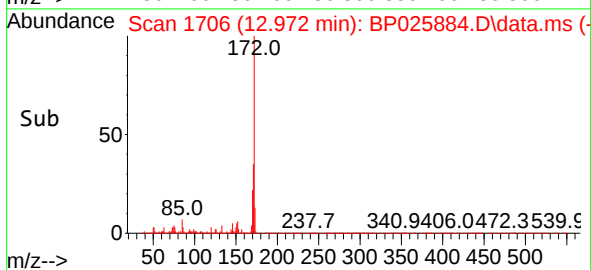
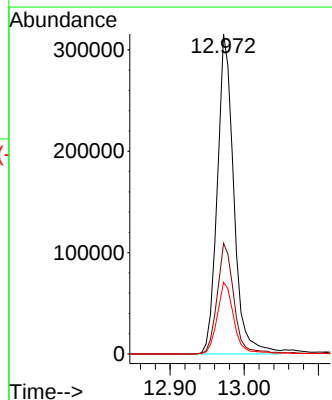
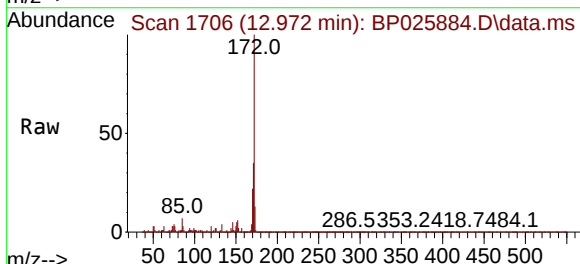
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

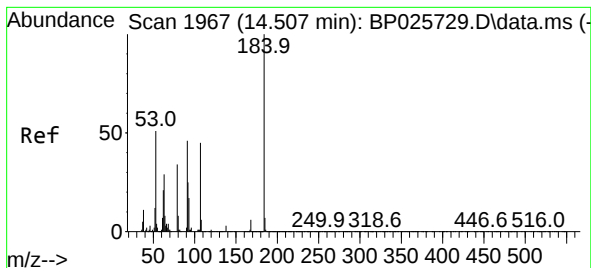
Tgt Ion:330 Resp: 122256
Ion Ratio Lower Upper
330 100
332 97.9 76.9 115.3
141 30.6 31.0 46.4#



#45
2-Fluorobiphenyl
Concen: 11.632 ng
RT: 12.972 min Scan# 1706
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:172 Resp: 488093
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 22.4 18.6 27.8

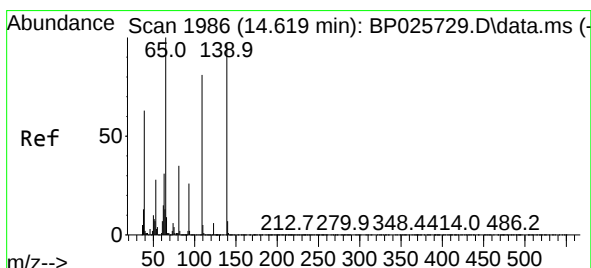
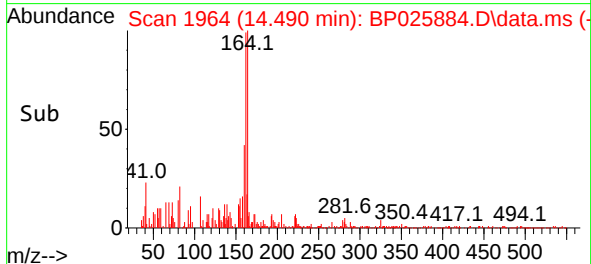
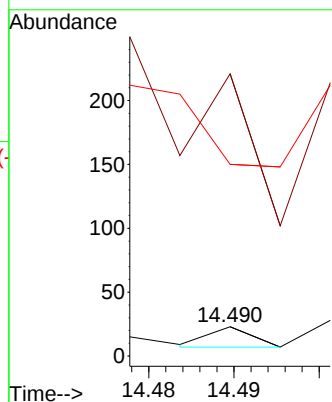
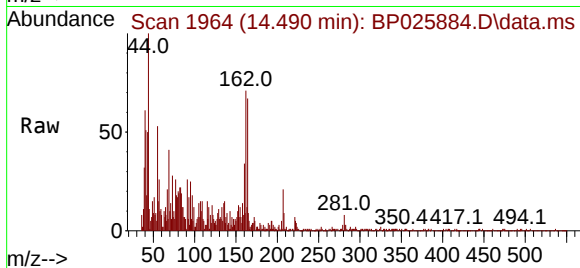




#54
2,4-Dinitrophenol
Concen: 4.825 ng
RT: 14.490 min Scan# 1967
Delta R.T. -0.017 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

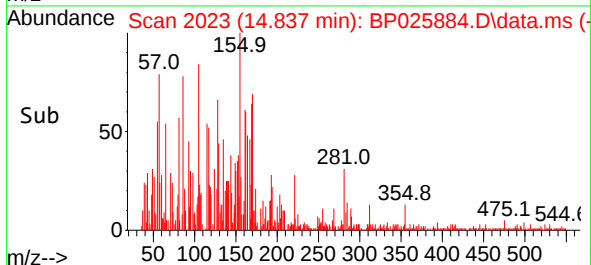
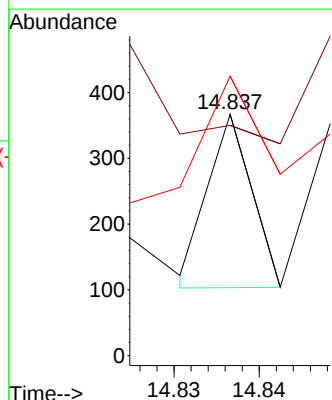
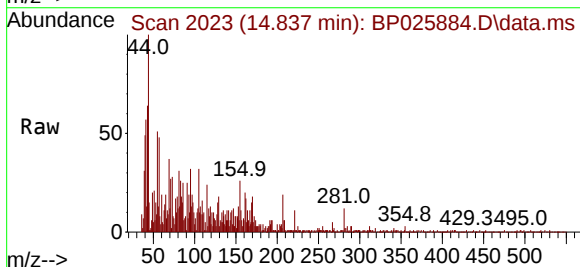
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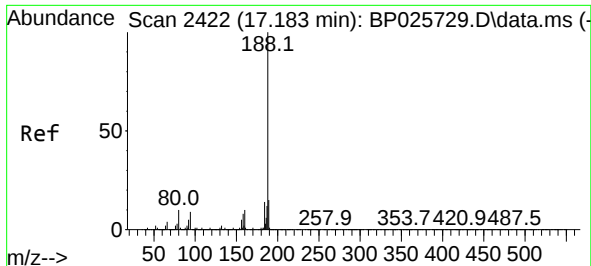
Tgt Ion:184 Resp: 6
Ion Ratio Lower Upper
184 100
63 960.9 52.5 78.7#
154 652.2 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.493 ng
RT: 14.837 min Scan# 2023
Delta R.T. 0.218 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:139 Resp: 93
Ion Ratio Lower Upper
139 100
109 95.4 62.9 102.9
65 115.8 83.4 123.4

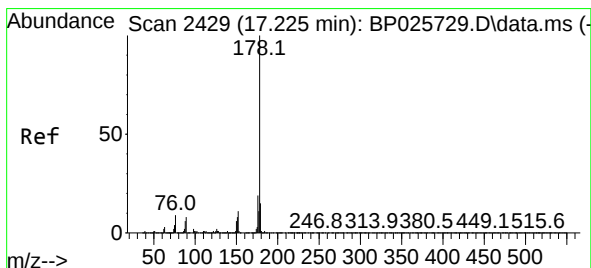
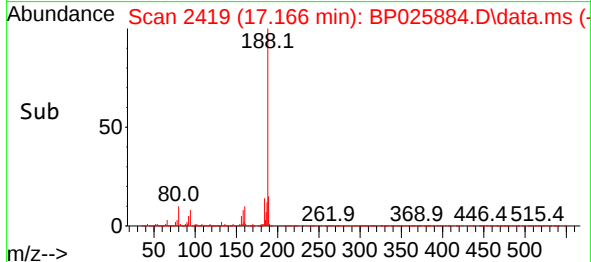
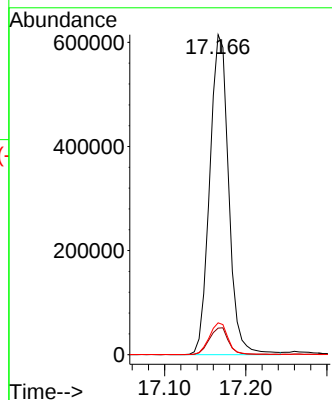
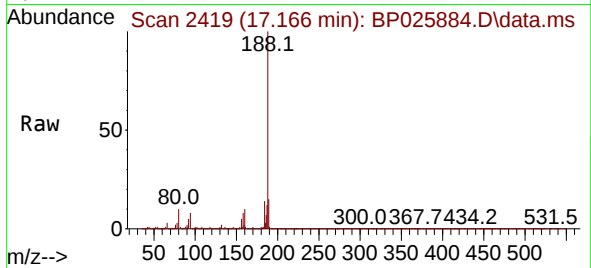




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.166 min Scan# 2419
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

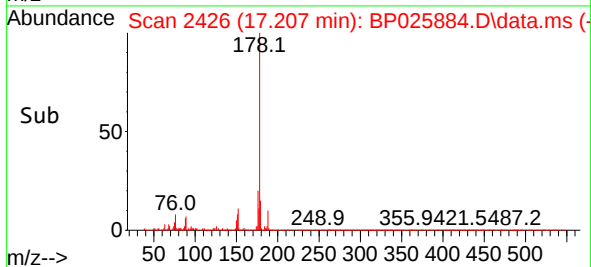
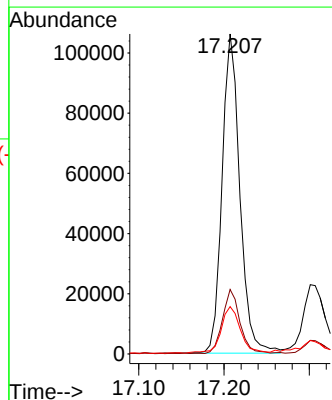
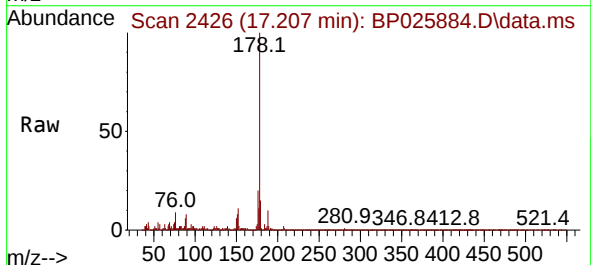
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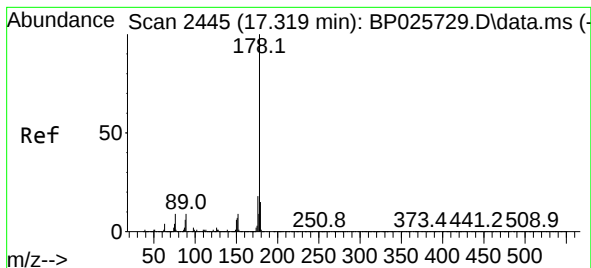
Tgt Ion:188 Resp: 997724
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.0
80 9.9 7.7 11.5



#71
Phenanthrene
Concen: 2.717 ng
RT: 17.207 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:178 Resp: 153760
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 14.8 12.2 18.4





#72

Anthracene

Concen: 2.678 ng

RT: 17.207 min Scan# 2445

Delta R.T. -0.112 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

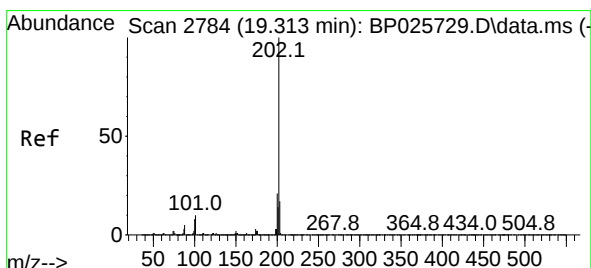
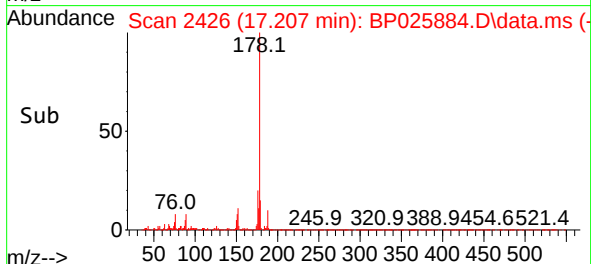
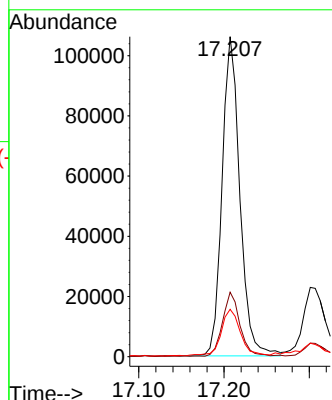
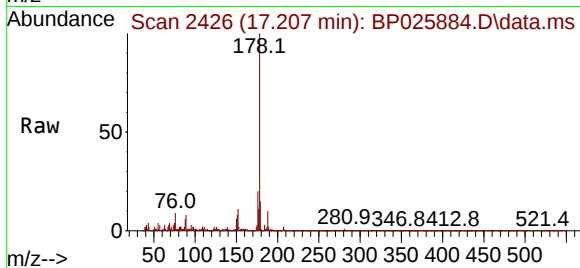
Tgt Ion:178 Resp: 153760

Ion Ratio Lower Upper

178 100

176 20.2 14.8 22.2

179 14.8 12.2 18.4



#75

Fluoranthene

Concen: 7.811 ng

RT: 19.295 min Scan# 2781

Delta R.T. -0.018 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

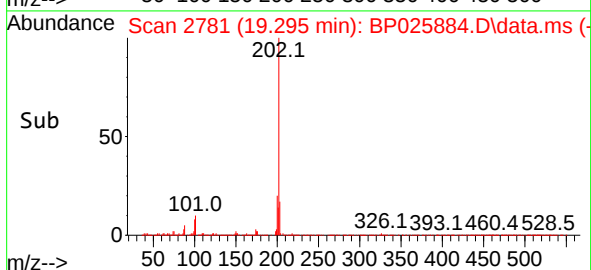
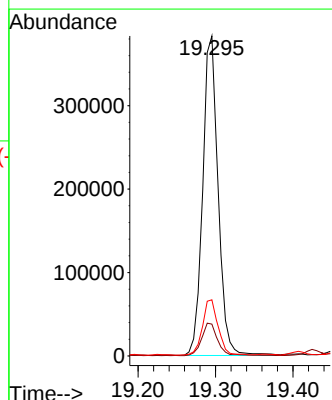
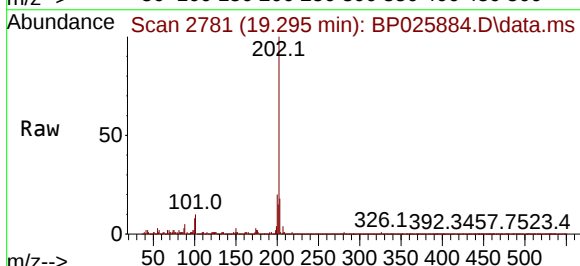
Tgt Ion:202 Resp: 530197

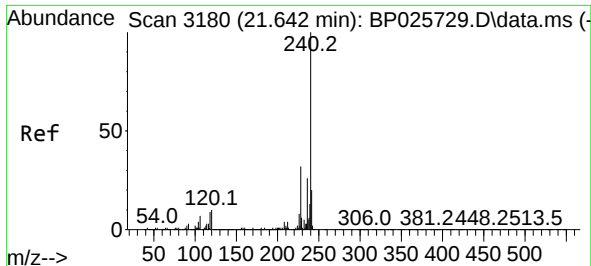
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.4

203 17.6 0.0 37.4

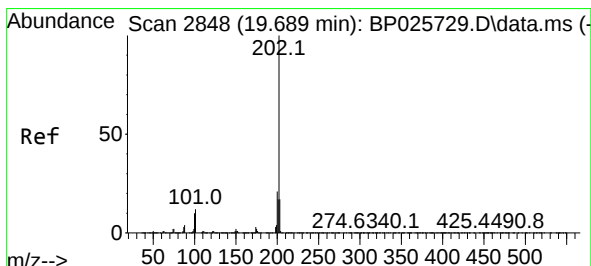
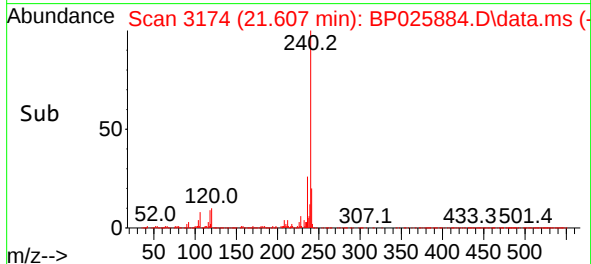
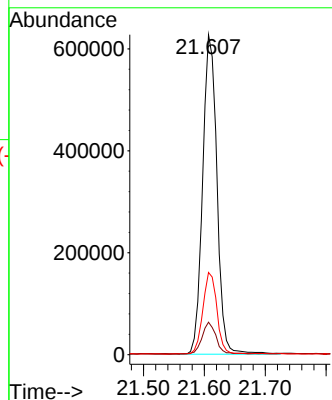
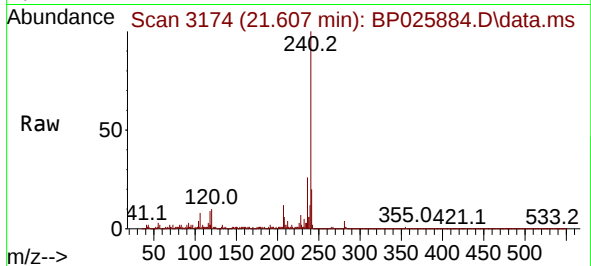




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3180
Delta R.T. -0.035 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

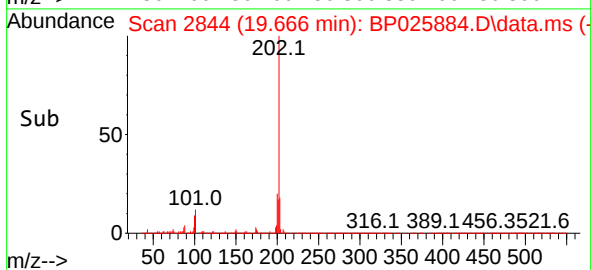
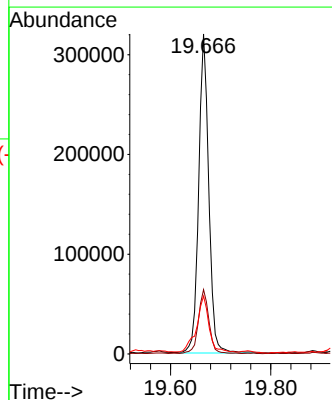
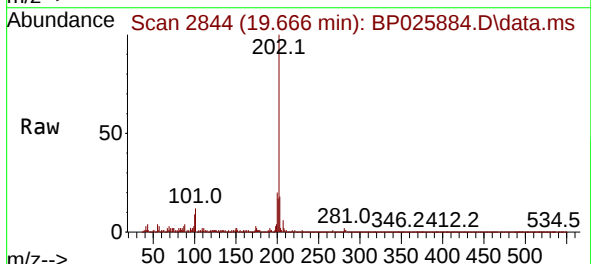
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

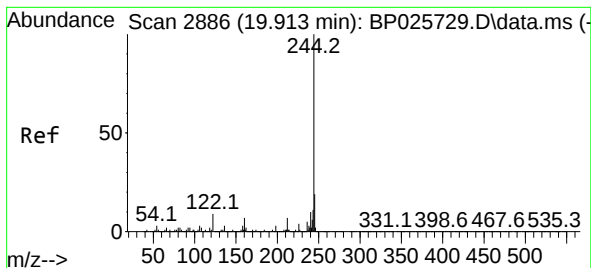
Tgt Ion:240 Resp: 1025474
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.7 20.7 31.1



#78
Pyrene
Concen: 6.504 ng
RT: 19.666 min Scan# 2844
Delta R.T. -0.024 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:202 Resp: 445064
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 18.1 13.9 20.9





#79

Terphenyl-d14

Concen: 11.920 ng

RT: 19.883 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

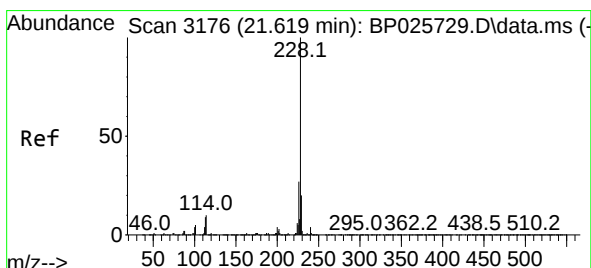
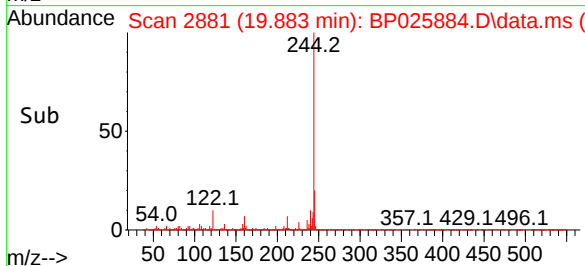
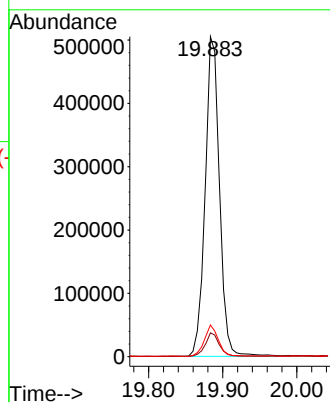
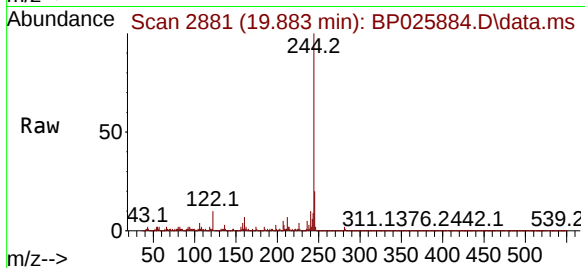
Tgt Ion:244 Resp: 679461

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 9.9 7.1 10.7



#81

Benzo(a)anthracene

Concen: 3.182 ng

RT: 21.589 min Scan# 3171

Delta R.T. -0.029 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

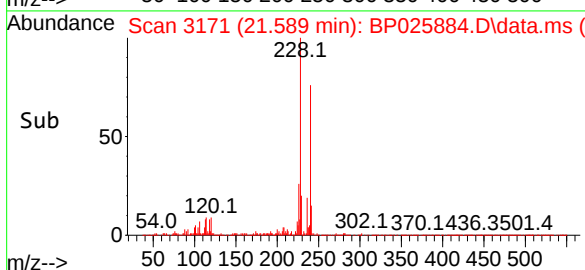
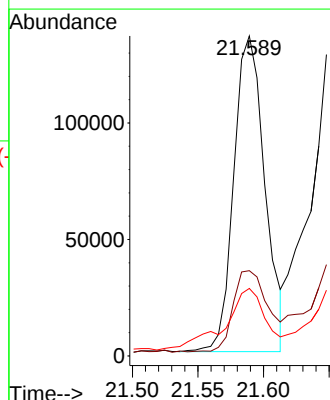
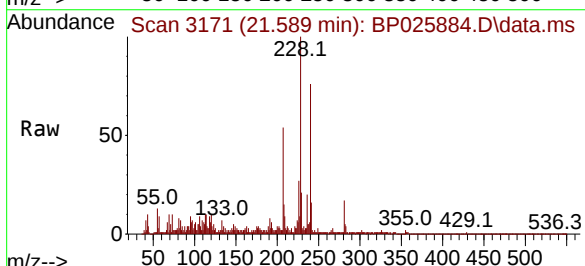
Tgt Ion:228 Resp: 223368

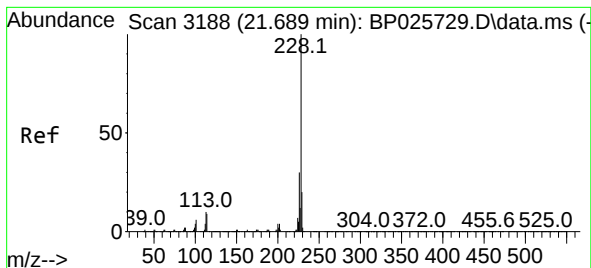
Ion Ratio Lower Upper

228 100

226 26.6 21.6 32.4

229 21.1 15.7 23.5





#83

Chrysene

Concen: 4.658 ng

RT: 21.654 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

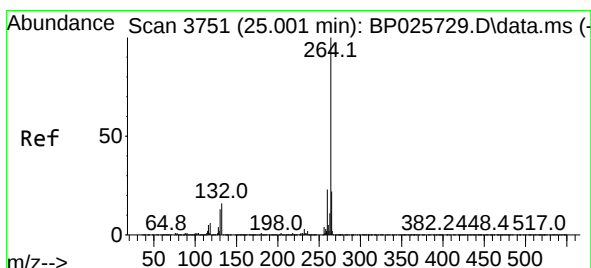
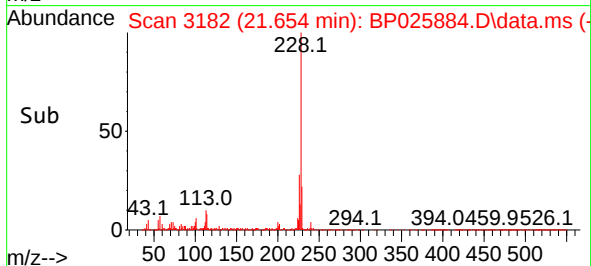
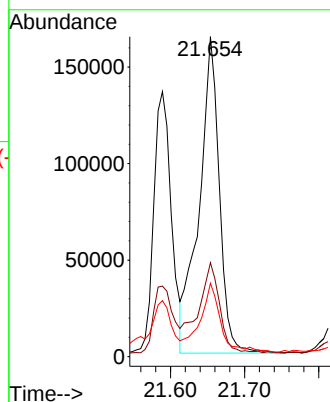
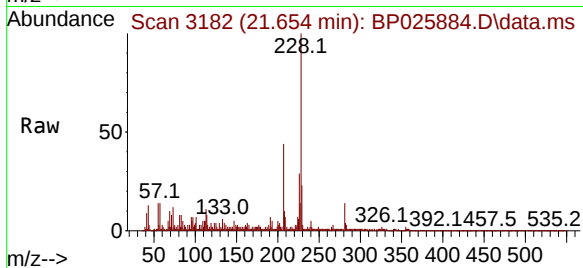
Tgt Ion:228 Resp: 311749

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

229 22.9 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: BP025884.D

Acq: 29 Sep 2025 17:07

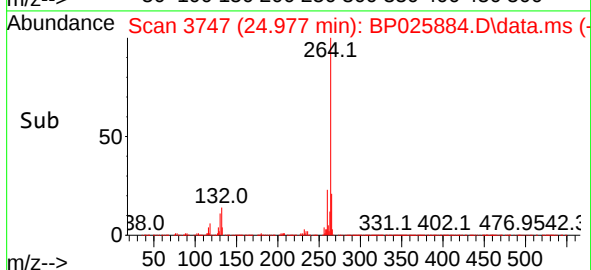
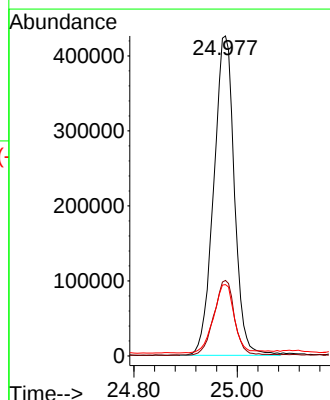
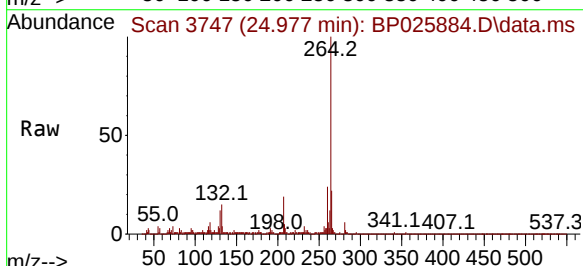
Tgt Ion:264 Resp: 1178510

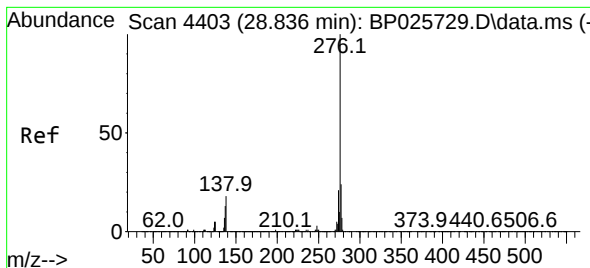
Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 22.3 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.711 ng

RT: 28.801 min Scan# 41

Delta R.T. -0.035 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

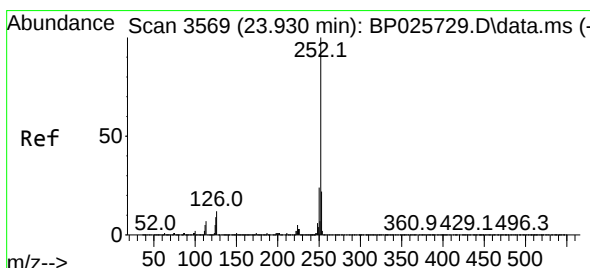
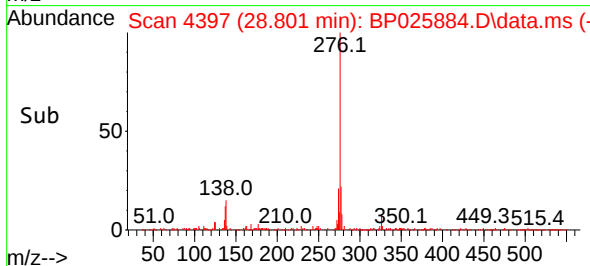
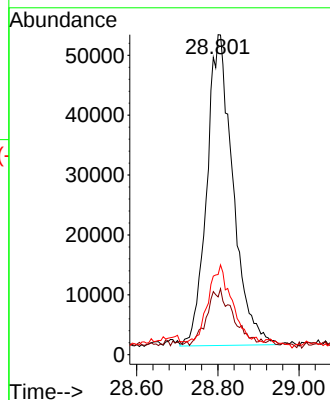
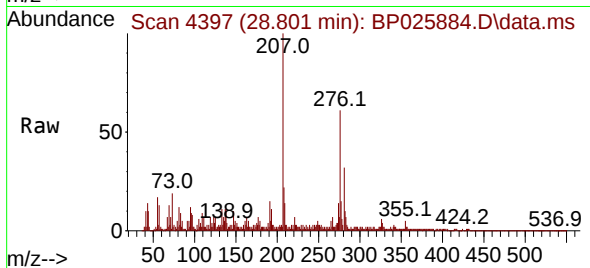
Tgt Ion:276 Resp: 232345

Ion Ratio Lower Upper

276 100

138 18.3 13.4 20.2

277 21.9 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 6.139 ng

RT: 23.913 min Scan# 3566

Delta R.T. -0.018 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

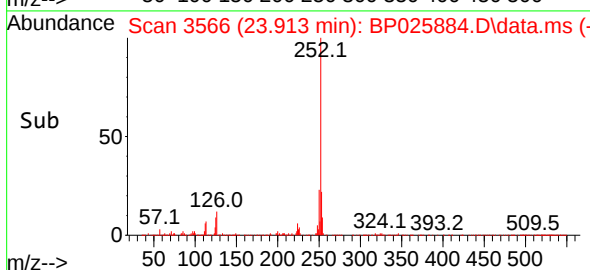
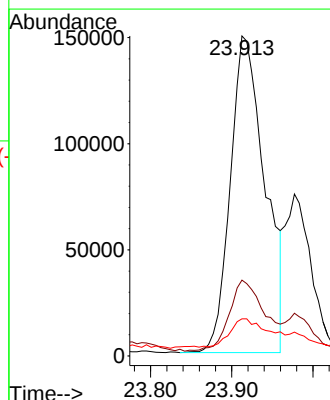
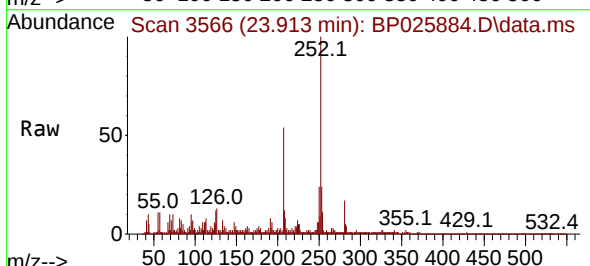
Tgt Ion:252 Resp: 442428

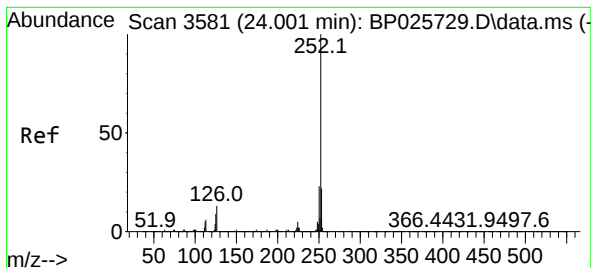
Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 11.6 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 6.016 ng

RT: 23.913 min Scan# 31

Delta R.T. -0.088 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

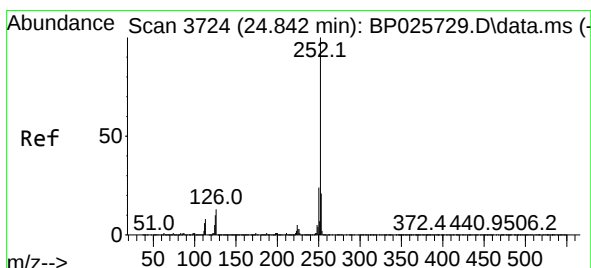
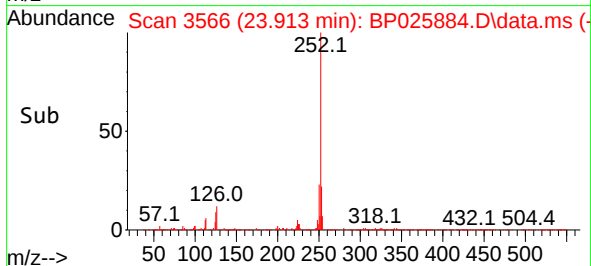
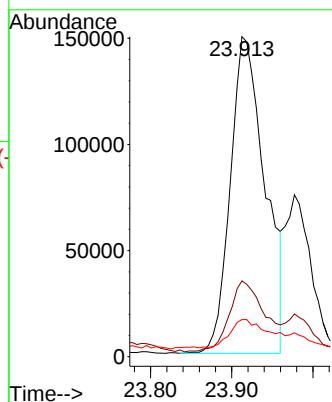
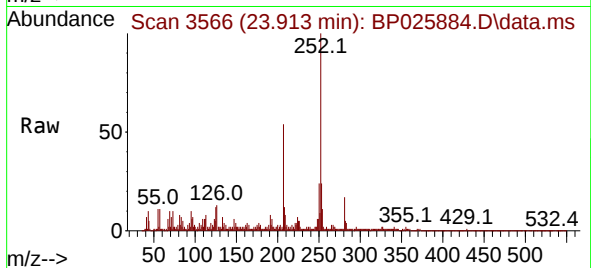
Tgt Ion:252 Resp: 442428

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.6 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 3.555 ng

RT: 24.818 min Scan# 3720

Delta R.T. -0.024 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

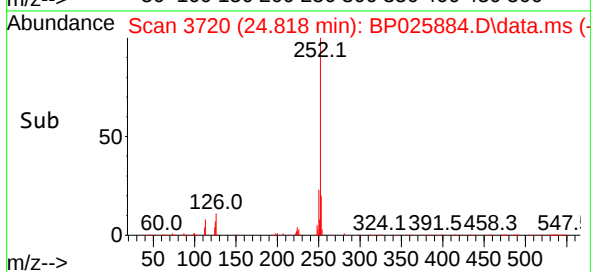
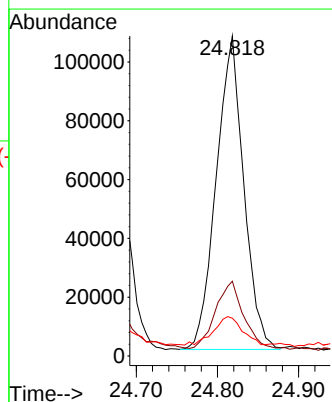
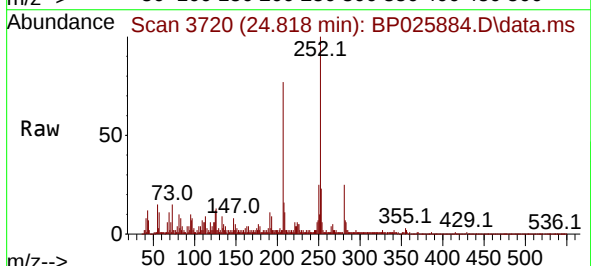
Tgt Ion:252 Resp: 250884

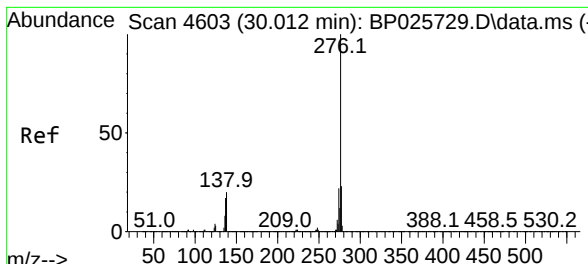
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 11.8 8.3 12.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.551 ng
 RT: 29.989 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: BP025884.D
 Acq: 29 Sep 2025 17:07

Instrument : BNA_P
 ClientSampleId : SU-ESM-COMP-01

Tgt Ion: 276 Resp: 244919

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.7	28.1
138	20.9	16.0	24.0

