

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025882.D
 Acq On : 29 Sep 2025 15:45
 Operator : CG/JU
 Sample : Q3208-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-ESM-COMP-02

Quant Time: Sep 29 16:09:20 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)

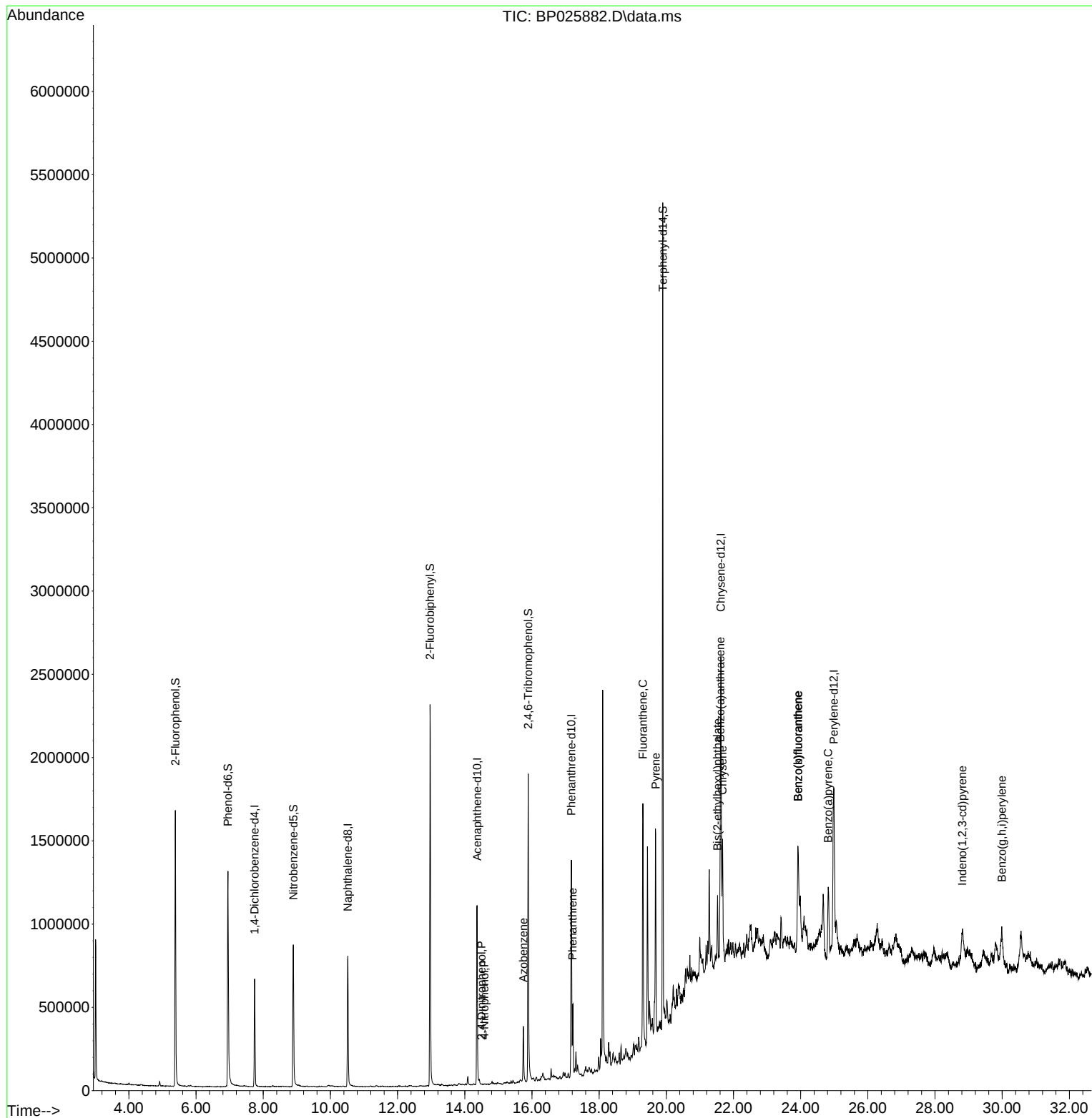
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	186387	20.000	ng	-0.02
21) Naphthalene-d8	10.519	136	692344	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	449134	20.000	ng	-0.01
64) Phenanthrene-d10	17.172	188	944584	20.000	ng	-0.01
76) Chrysene-d12	21.625	240	1039727	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1168499	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	808547	69.996	ng	0.00
7) Phenol-d6	6.949	99	938202	61.105	ng	0.00
23) Nitrobenzene-d5	8.896	82	614264	39.136	ng	0.00
42) 2,4,6-Tribromophenol	15.890	330	432367	77.180	ng	-0.02
45) 2-Fluorobiphenyl	12.966	172	1369083	40.588	ng	-0.02
79) Terphenyl-d14	19.895	244	2454129	42.463	ng	-0.02
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.501	184	70	4.838	ng	# 1
56) 4-Nitrophenol	14.584	139	74	4.493	ng	# 42
63) Azobenzene	15.743	77	111086	3.303	ng	# 1
71) Phenanthrene	17.213	178	285833	5.334	ng	99
75) Fluoranthene	19.301	202	963669	14.996	ng	99
78) Pyrene	19.683	202	856067	12.340	ng	98
81) Benzo(a)anthracene	21.607	228	444084	6.239	ng	99
83) Chrysene	21.672	228	509601	7.510	ng	97
84) Bis(2-ethylhexyl)phtha...	21.525	149	190009	4.270	ng	99
87) Indeno(1,2,3-cd)pyrene	28.812	276	391433	4.606	ng	# 84
88) Benzo(b)fluoranthene	23.919	252	763169	10.680	ng	98
89) Benzo(k)fluoranthene	23.919	252	763169	10.466	ng	98
90) Benzo(a)pyrene	24.819	252	470216	6.720	ng	98
92) Benzo(g,h,i)perylene	29.989	276	393483	5.754	ng	95

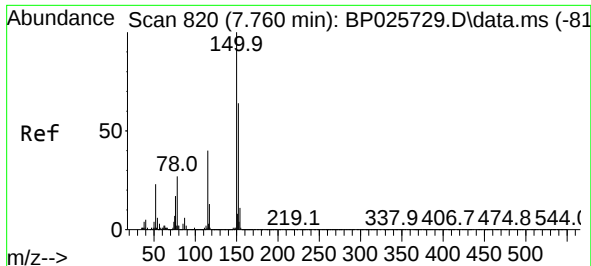
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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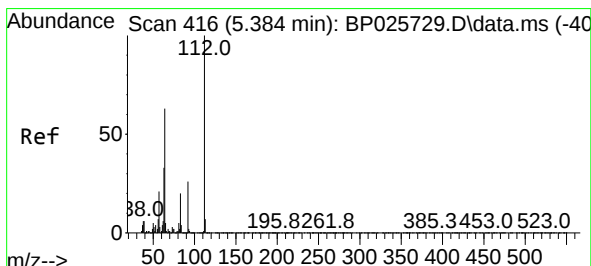
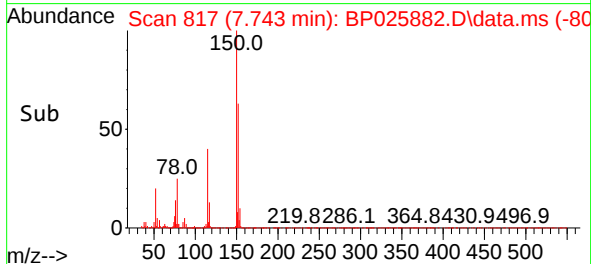
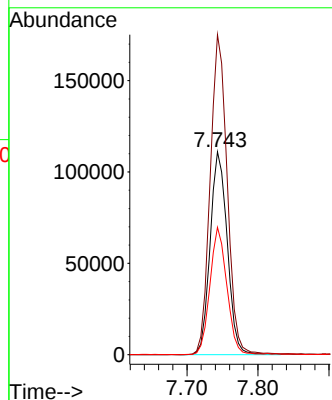
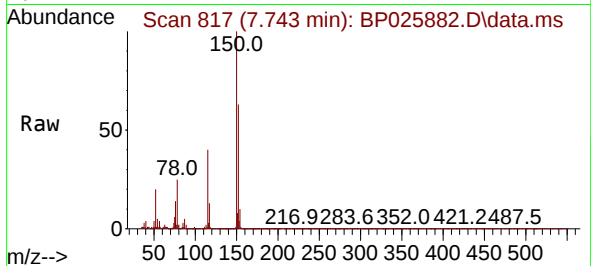




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

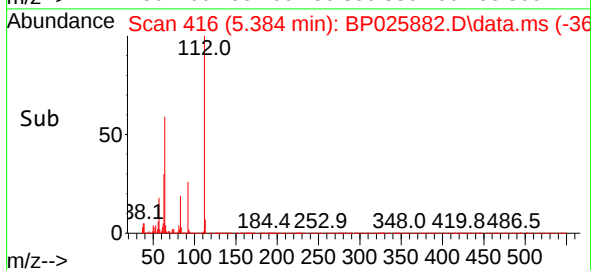
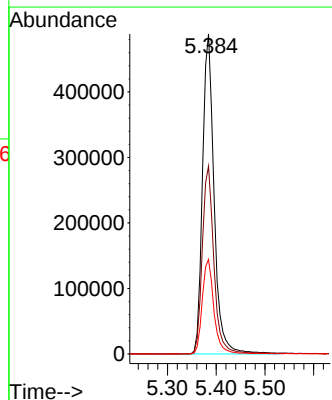
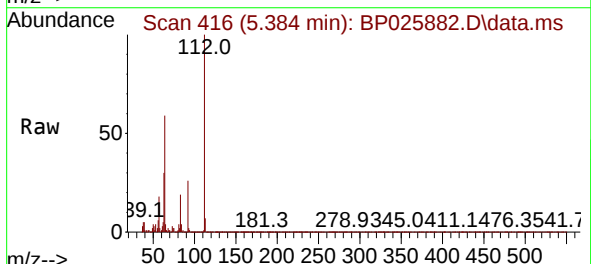
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02

Tgt Ion:152 Resp: 186387
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 62.8 50.3 75.5



#5
2-Fluorophenol
Concen: 69.996 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:112 Resp: 808547
Ion Ratio Lower Upper
112 100
64 58.7 50.2 75.4
63 29.5 26.7 40.1

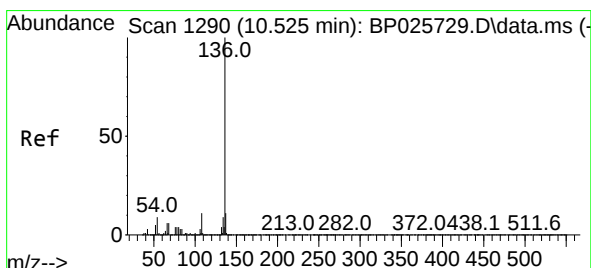
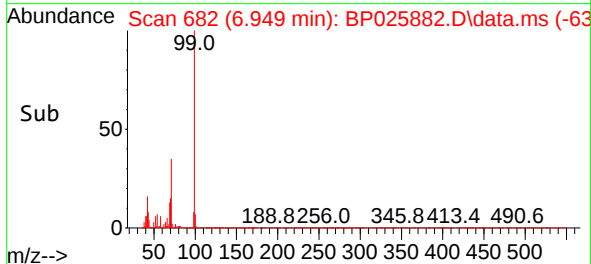
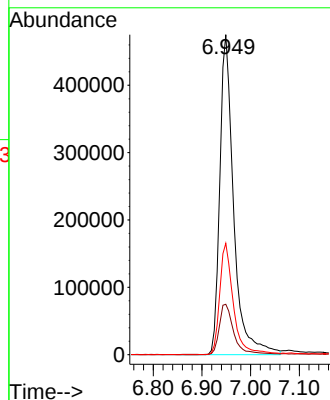
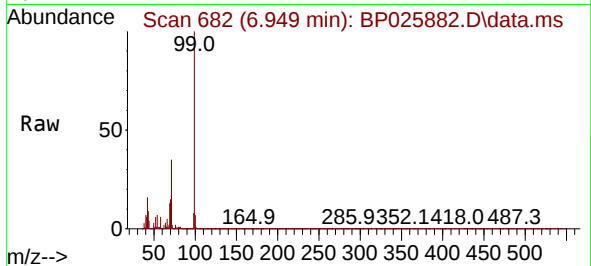




#7
Phenol-d6
Concen: 61.105 ng
RT: 6.949 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

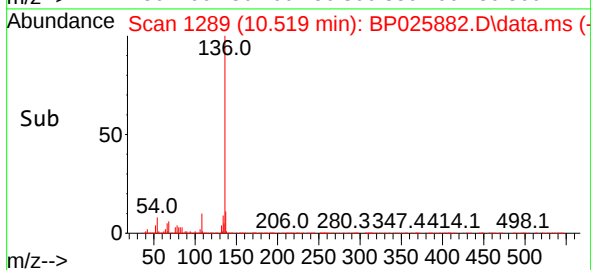
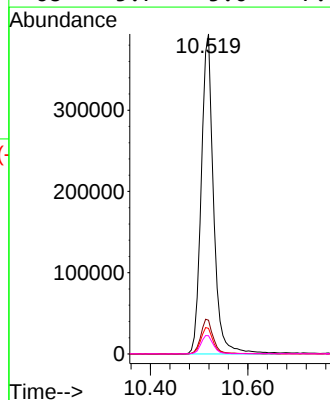
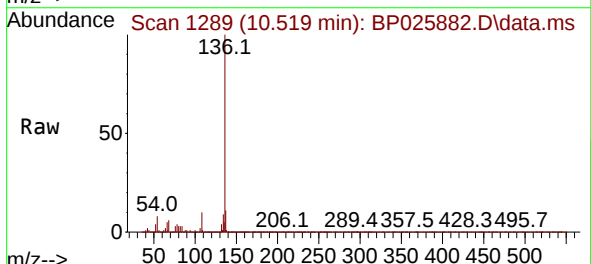
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02

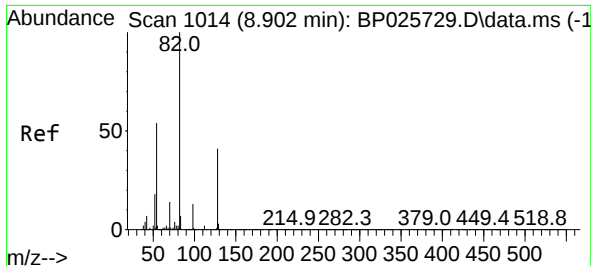
Tgt Ion: 99 Resp: 938202
Ion Ratio Lower Upper
99 100
42 15.8 15.6 23.4
71 34.8 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:136 Resp: 692344
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 8.0 7.5 11.3
68 5.7 5.0 7.6

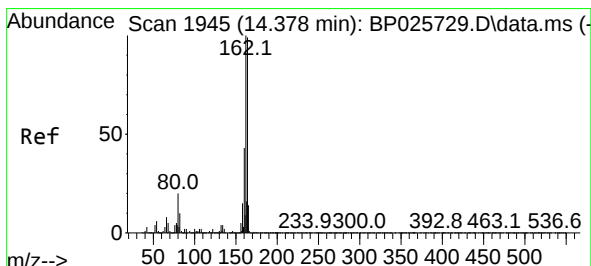
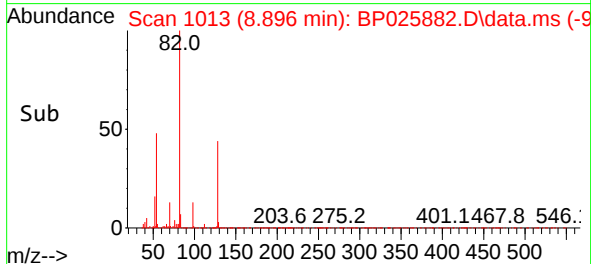
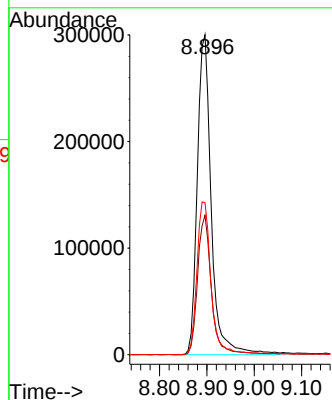
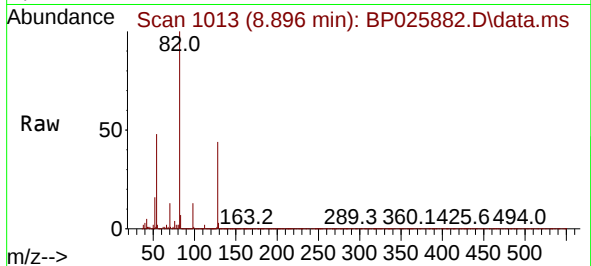




#23
Nitrobenzene-d5
Concen: 39.136 ng
RT: 8.896 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

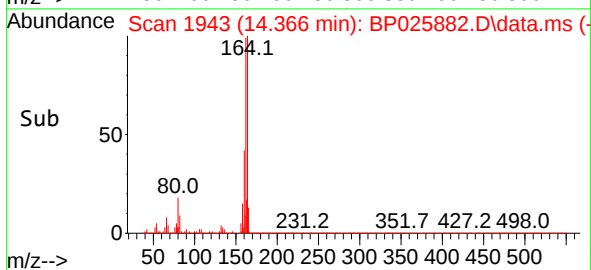
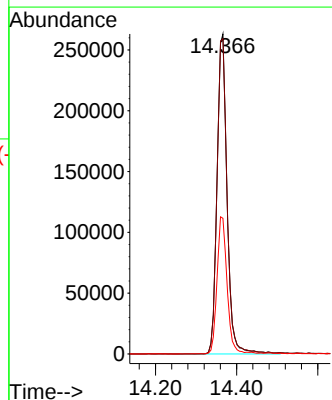
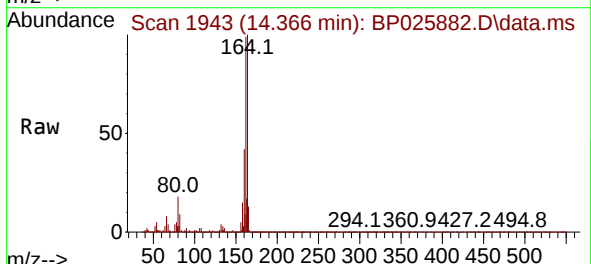
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02

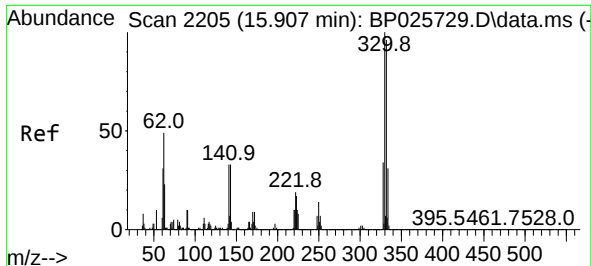
Tgt Ion: 82 Resp: 614264
Ion Ratio Lower Upper
82 100
128 43.6 32.9 49.3
54 47.6 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:164 Resp: 449134
Ion Ratio Lower Upper
164 100
162 98.5 80.6 120.8
160 42.4 35.0 52.6

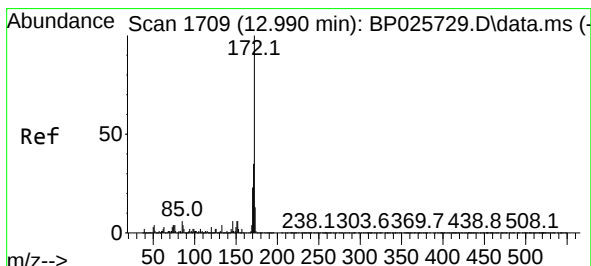
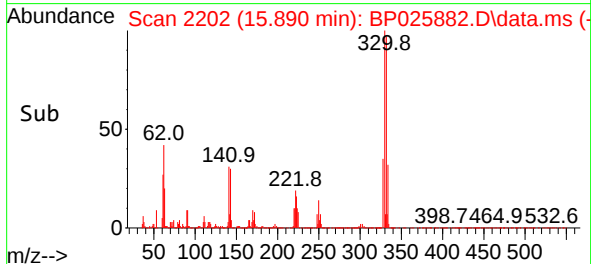
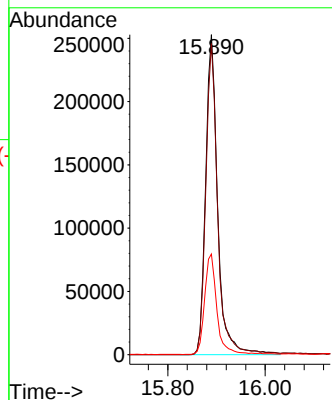
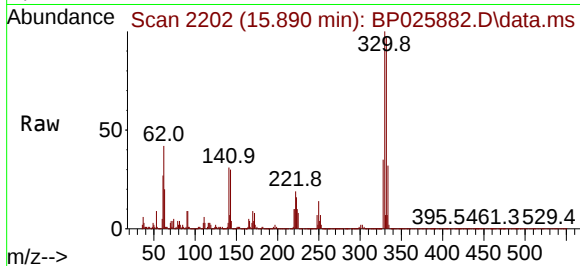




#42
2,4,6-Tribromophenol
Concen: 77.180 ng
RT: 15.890 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

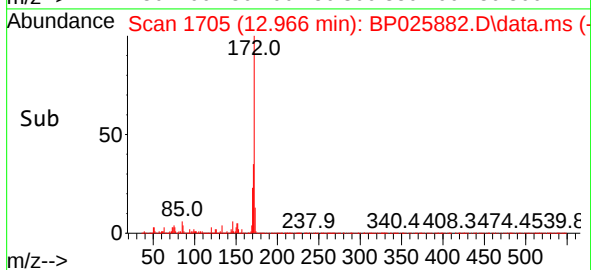
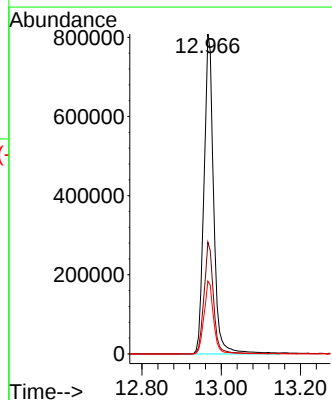
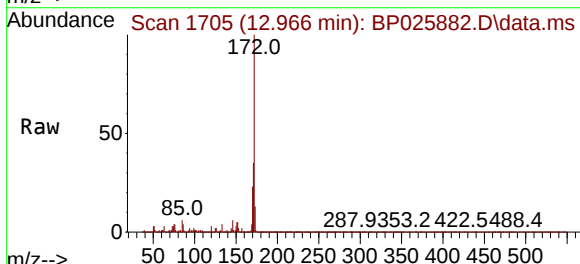
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ClientSampleId :
SU-ESM-COMP-02

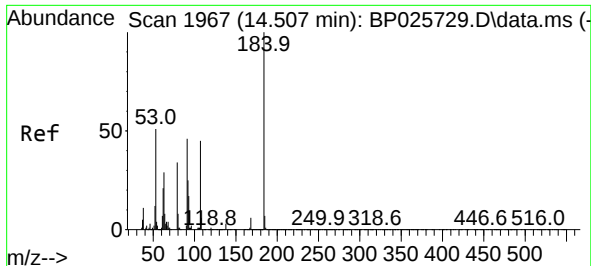
Tgt Ion:330 Resp: 432367
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 32.3 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 40.588 ng
RT: 12.966 min Scan# 1705
Delta R.T. -0.023 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:172 Resp: 1369083
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 22.7 18.6 27.8

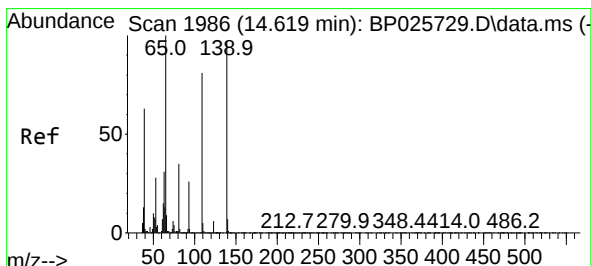
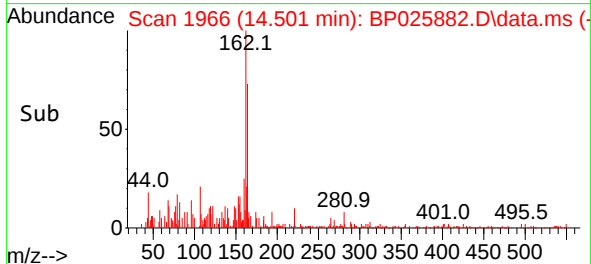
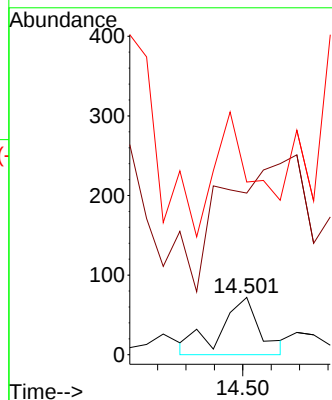
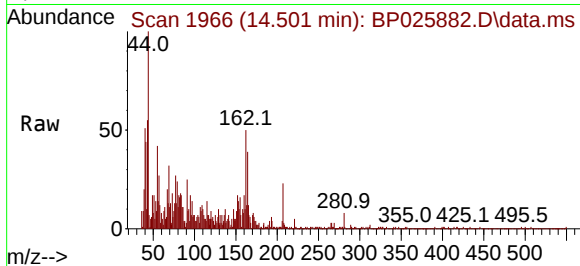




#54
2,4-Dinitrophenol
Concen: 4.838 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

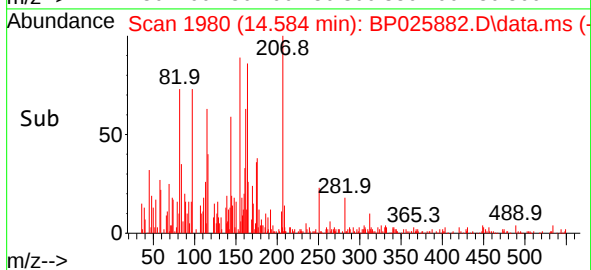
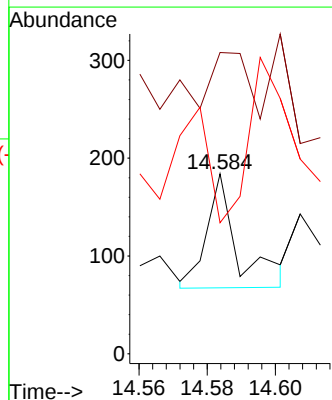
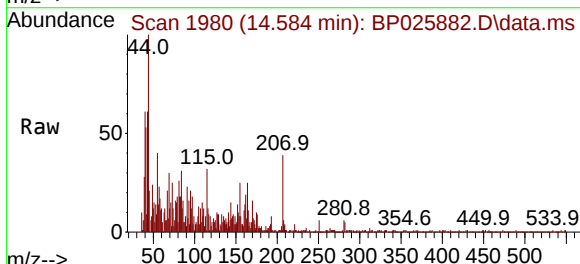
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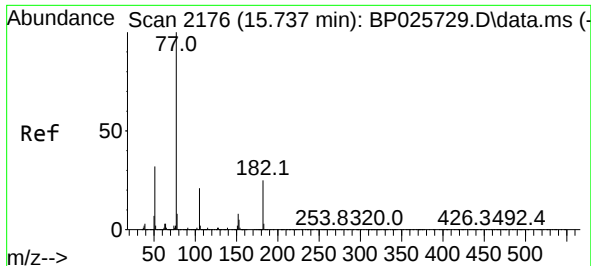
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 281.9 52.5 78.7#
154 301.4 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.493 ng
RT: 14.584 min Scan# 1980
Delta R.T. -0.035 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:139 Resp: 74
Ion Ratio Lower Upper
139 100
109 167.4 62.9 102.9#
65 72.8 83.4 123.4#

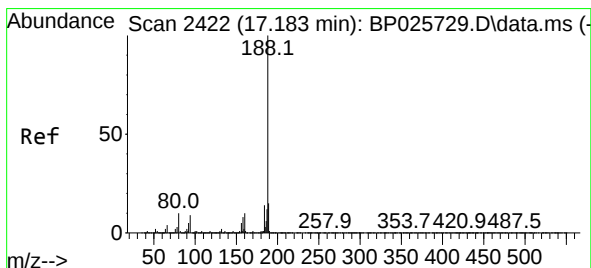
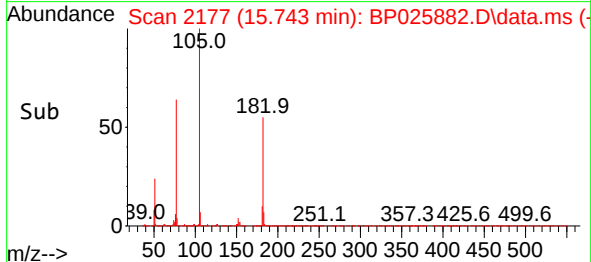
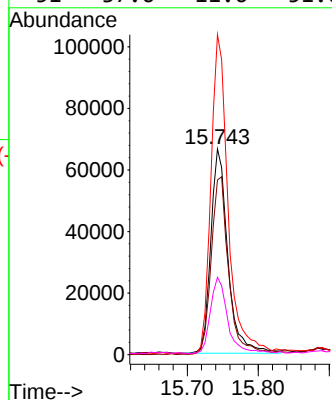
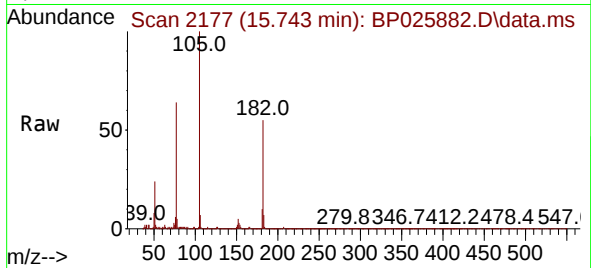




#63
Azobenzene
Concen: 3.303 ng
RT: 15.743 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

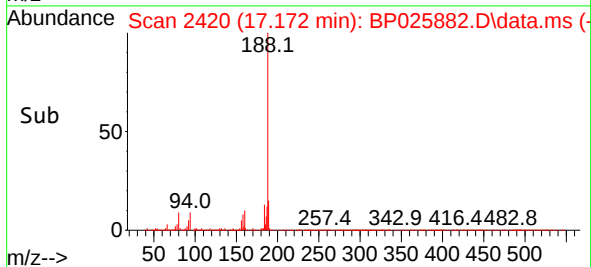
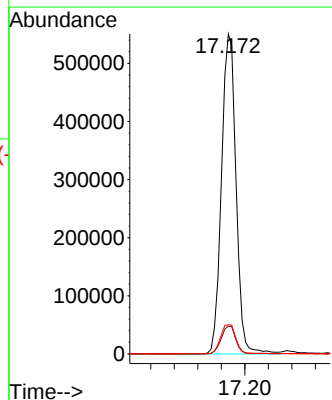
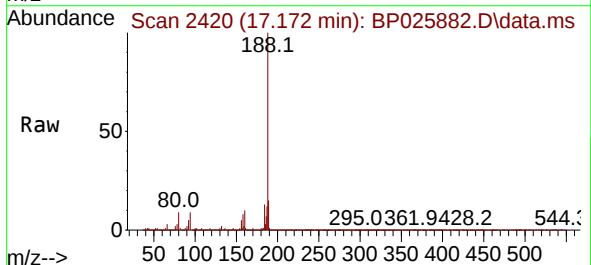
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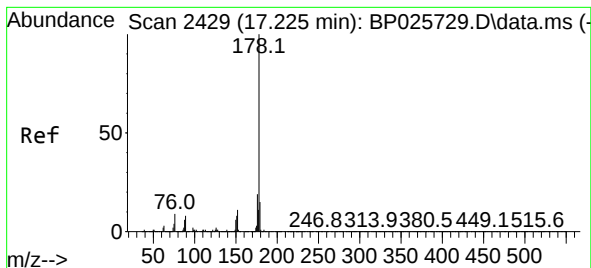
Tgt Ion: 77 Resp: 111086
Ion Ratio Lower Upper
77 100
182 84.9 5.2 45.2#
105 155.6 1.1 41.1#
51 37.6 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:188 Resp: 944584
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 9.1 7.7 11.5





#71

Phenanthrene

Concen: 5.334 ng

RT: 17.213 min Scan# 2429

Delta R.T. -0.012 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

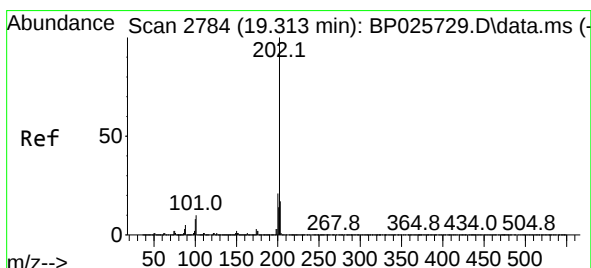
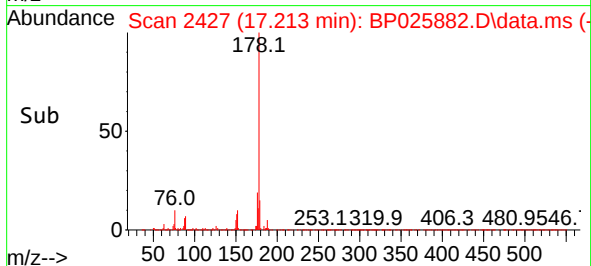
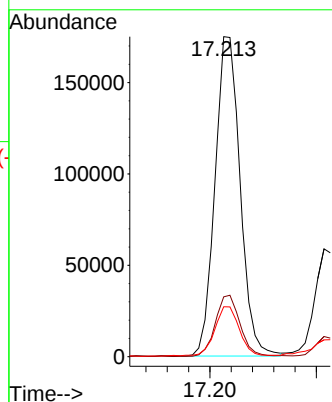
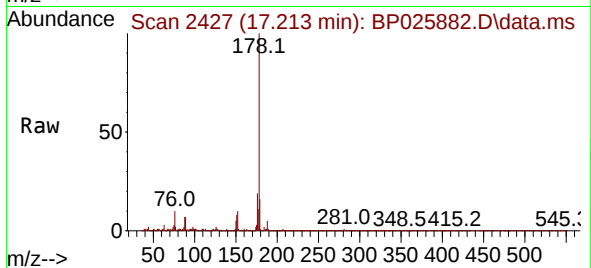
Tgt Ion:178 Resp: 285833

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 15.6 12.2 18.4



#75

Fluoranthene

Concen: 14.996 ng

RT: 19.301 min Scan# 2782

Delta R.T. -0.012 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

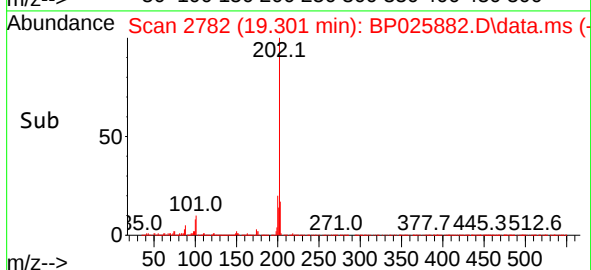
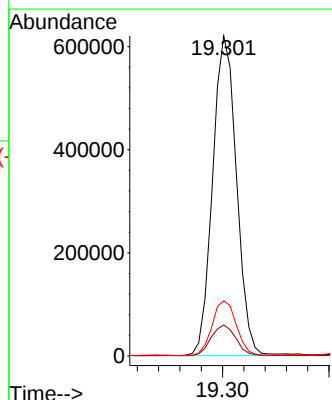
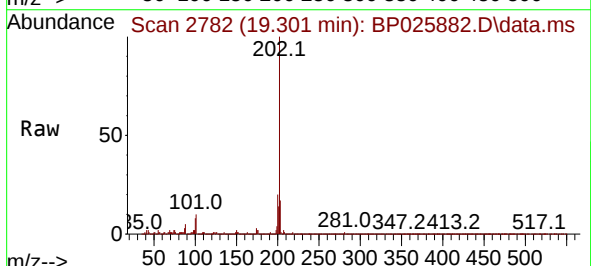
Tgt Ion:202 Resp: 963669

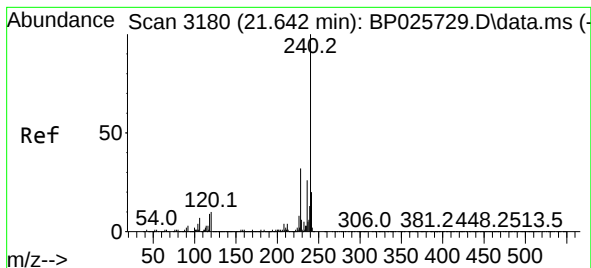
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.4

203 17.3 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: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

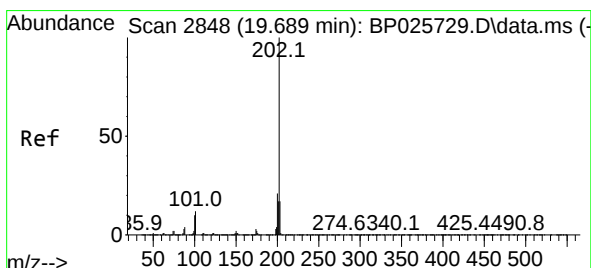
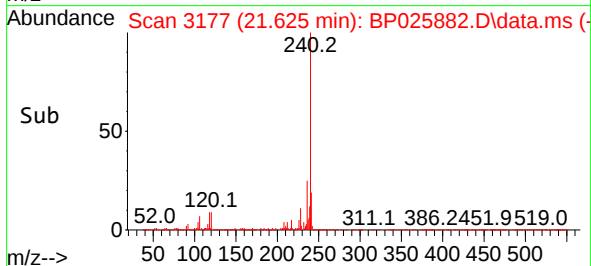
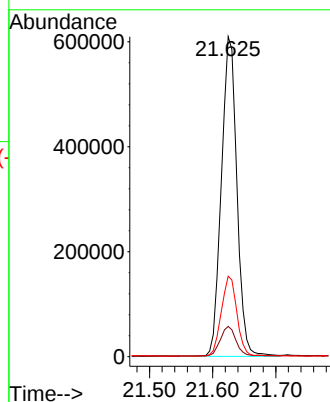
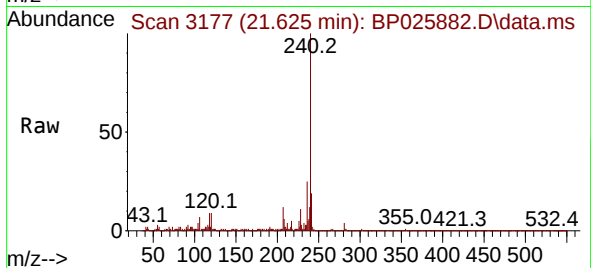
Tgt Ion:240 Resp: 1039727

Ion Ratio Lower Upper

240 100

120 9.4 8.0 12.0

236 25.1 20.7 31.1



#78

Pyrene

Concen: 12.340 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

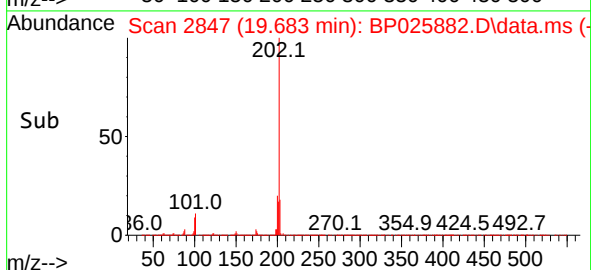
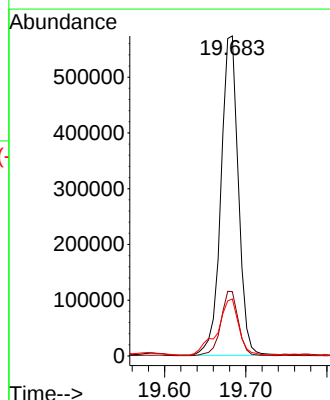
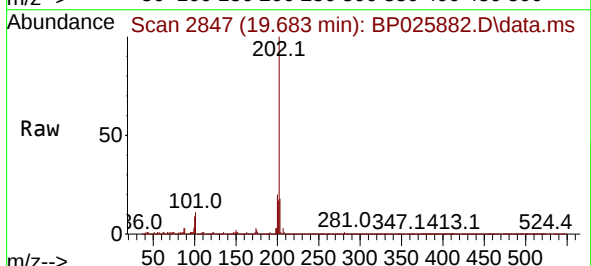
Tgt Ion:202 Resp: 856067

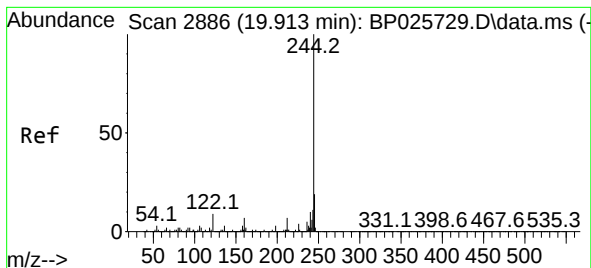
Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 42.463 ng

RT: 19.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

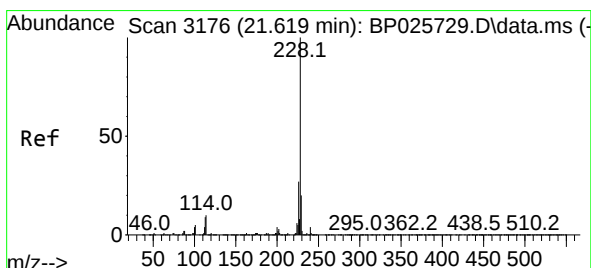
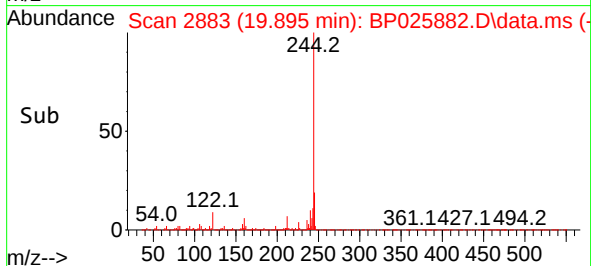
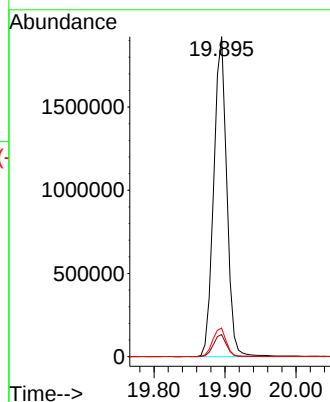
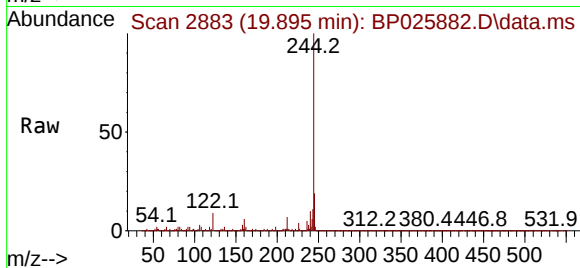
Tgt Ion:244 Resp: 2454129

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 9.0 7.1 10.7



#81

Benzo(a)anthracene

Concen: 6.239 ng

RT: 21.607 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

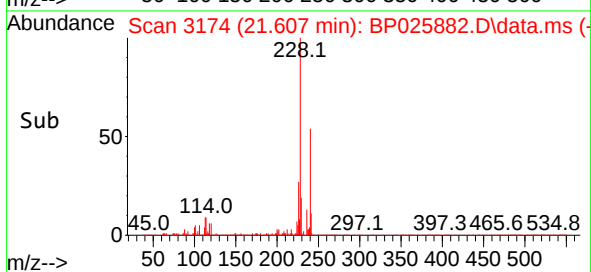
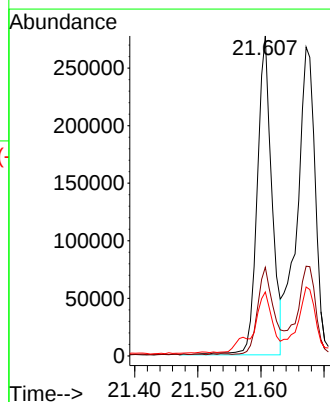
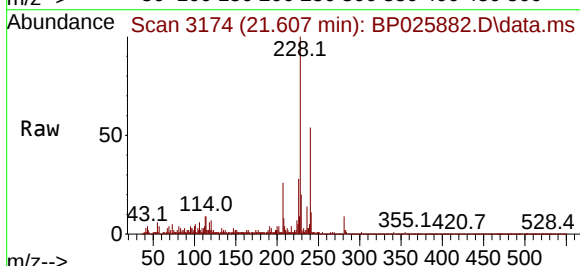
Tgt Ion:228 Resp: 444084

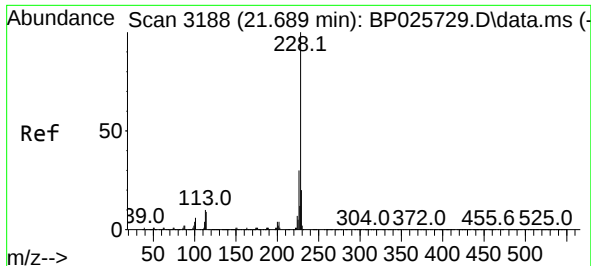
Ion Ratio Lower Upper

228 100

226 27.7 21.6 32.4

229 20.0 15.7 23.5

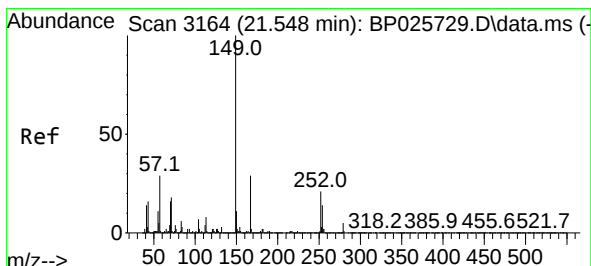
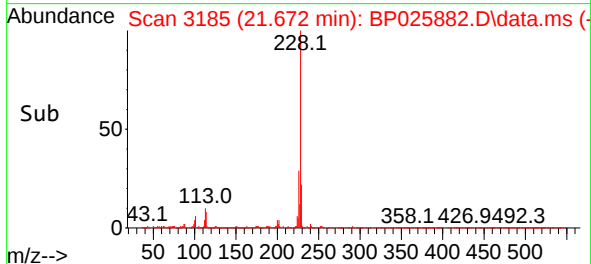
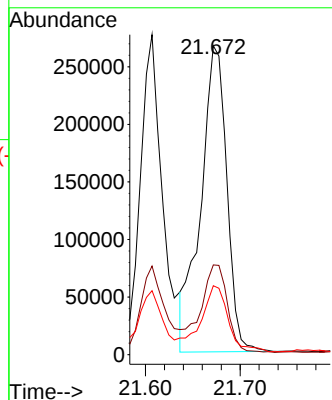
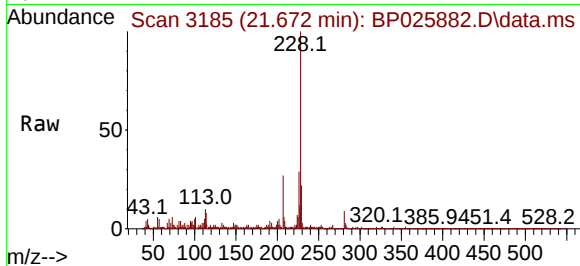




#83
Chrysene
Concen: 7.510 ng
RT: 21.672 min Scan# 3185
Delta R.T. -0.018 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

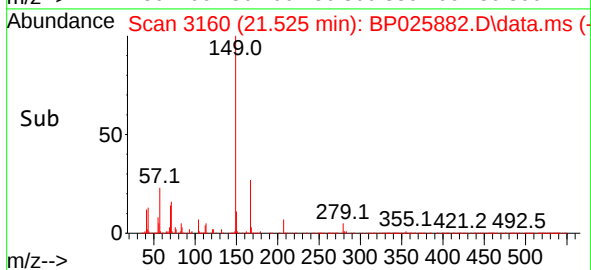
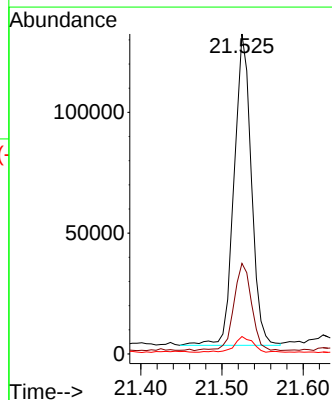
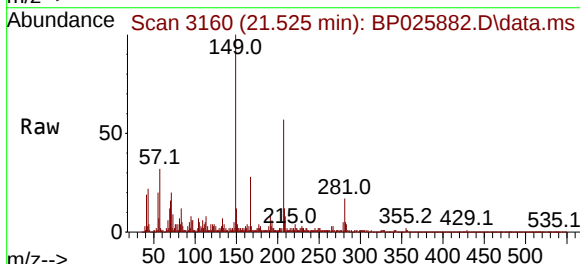
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02

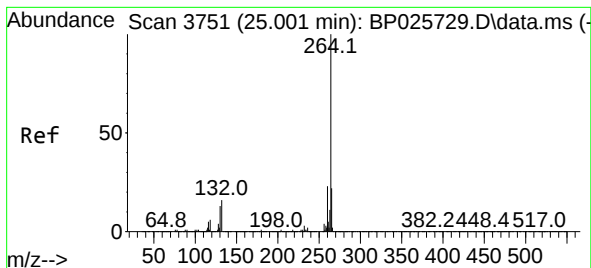
Tgt Ion:228 Resp: 509601
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.6
229 22.3 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.270 ng
RT: 21.525 min Scan# 3160
Delta R.T. -0.023 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:149 Resp: 190009
Ion Ratio Lower Upper
149 100
167 28.3 22.9 34.3
279 5.5 3.8 5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

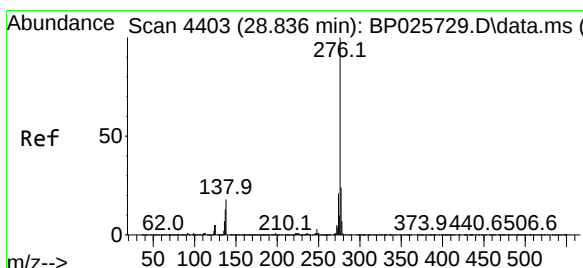
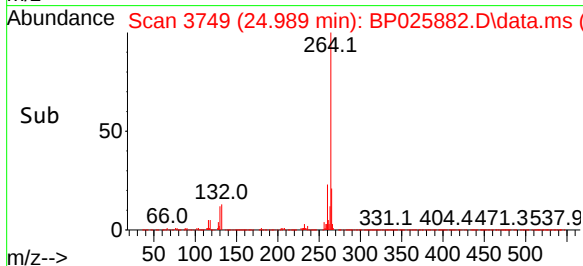
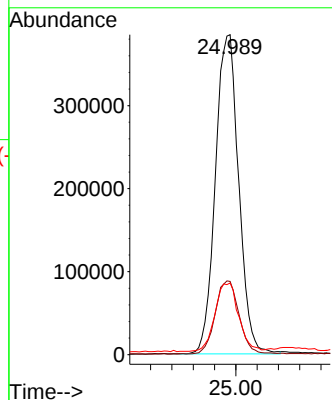
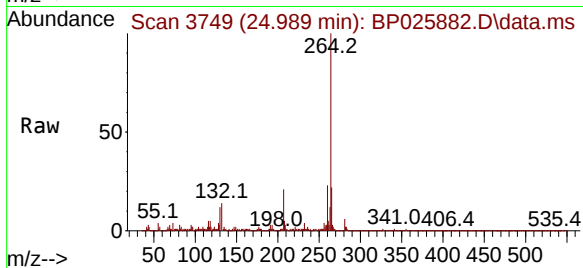
Tgt Ion:264 Resp: 1168499

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 22.4 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.606 ng

RT: 28.812 min Scan# 4399

Delta R.T. -0.023 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

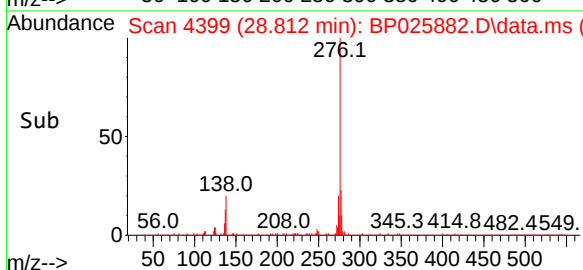
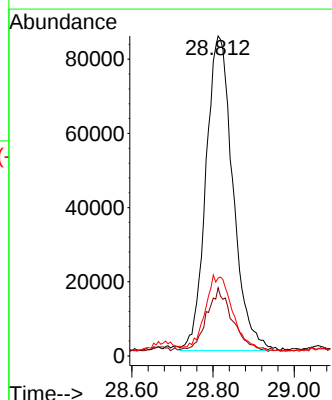
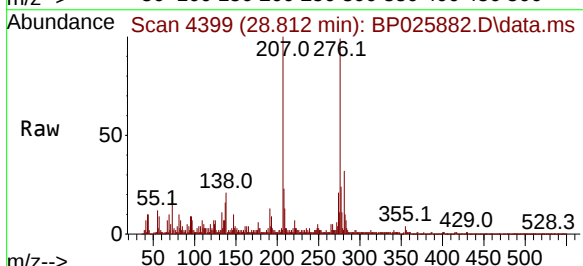
Tgt Ion:276 Resp: 391433

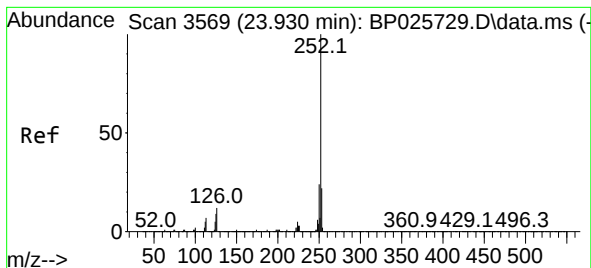
Ion Ratio Lower Upper

276 100

138 18.2 13.4 20.2

277 24.9 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 10.680 ng

RT: 23.919 min Scan# 3567

Delta R.T. -0.012 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

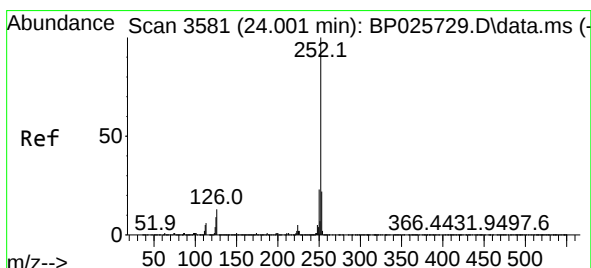
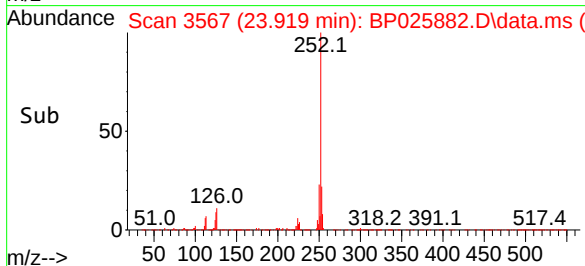
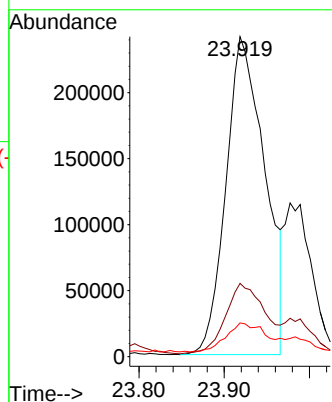
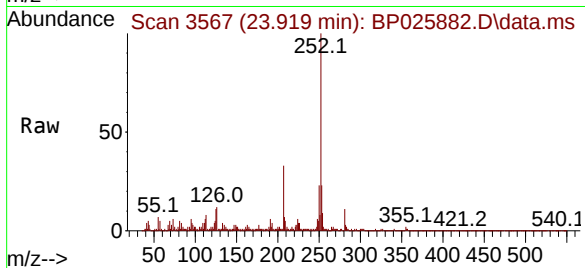
Tgt Ion:252 Resp: 763169

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 10.5 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 10.466 ng

RT: 23.919 min Scan# 3567

Delta R.T. -0.082 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

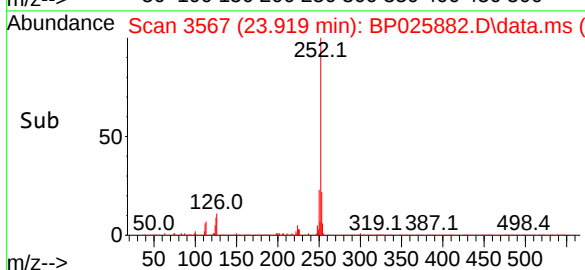
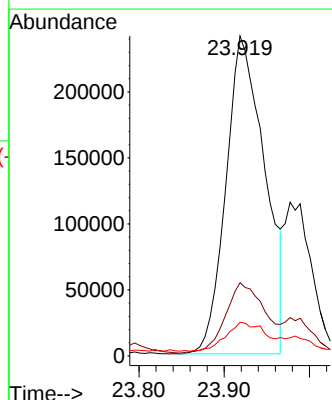
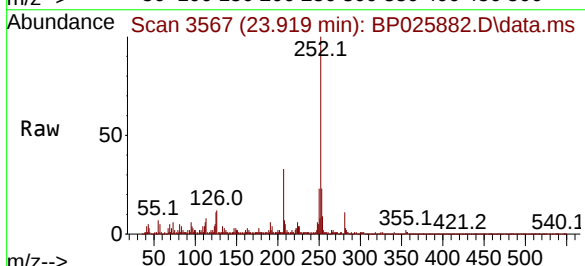
Tgt Ion:252 Resp: 763169

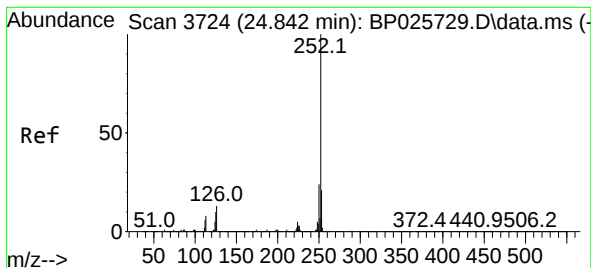
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 6.720 ng

RT: 24.819 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

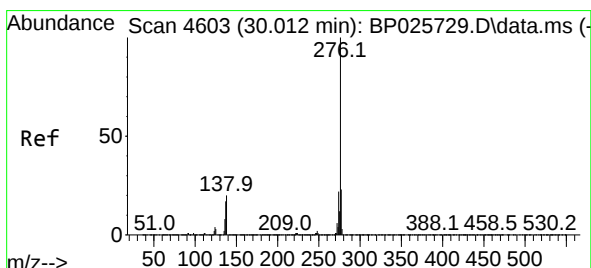
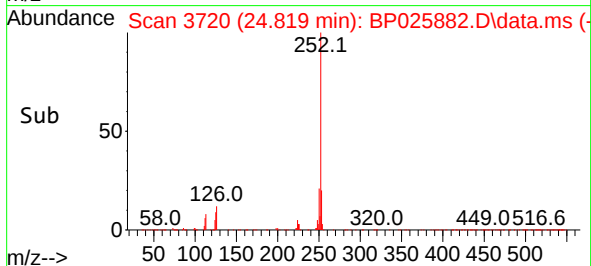
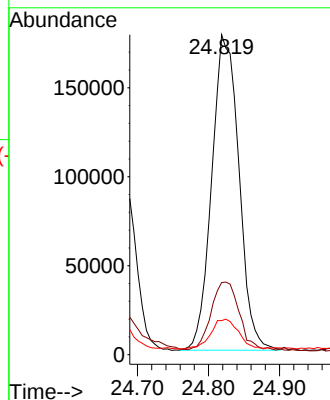
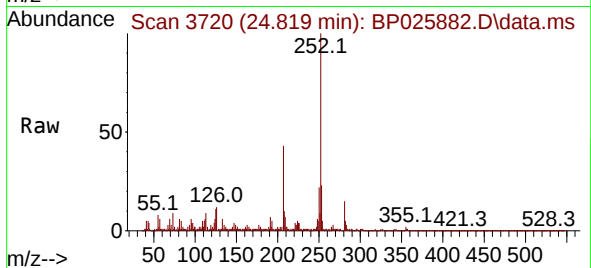
Tgt Ion:252 Resp: 470216

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 10.7 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 5.754 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.023 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Tgt Ion:276 Resp: 393483

Ion Ratio Lower Upper

276 100

277 26.7 18.7 28.1

138 21.1 16.0 24.0

