

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025889.D
 Acq On : 29 Sep 2025 20:33
 Operator : CG/JU
 Sample : Q3222-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-092625

Quant Time: Sep 30 05:09:29 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)

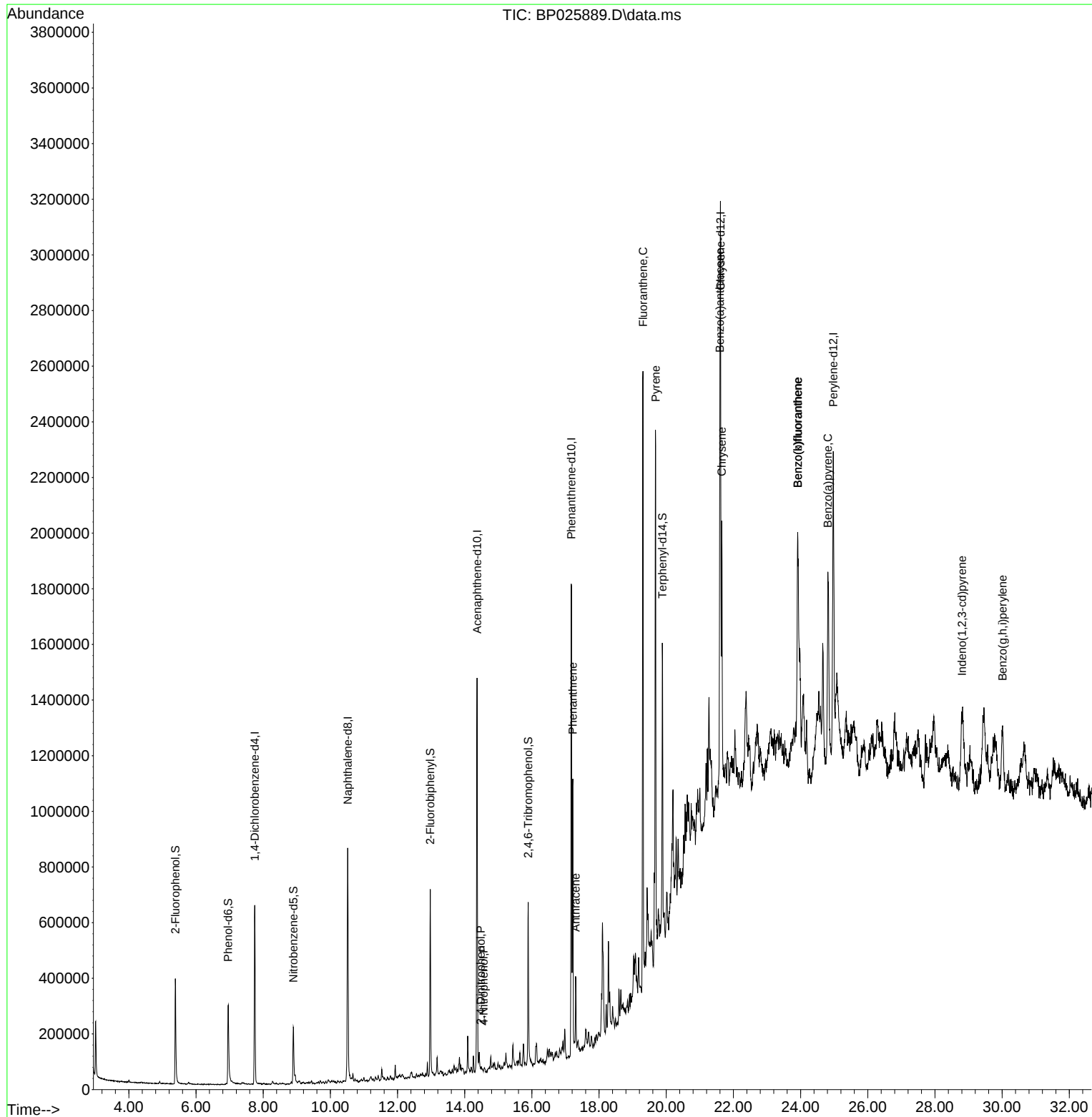
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	196328	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	804197	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	560676	20.000	ng	-0.01
64) Phenanthrene-d10	17.172	188	1076340	20.000	ng	-0.01
76) Chrysene-d12	21.613	240	929551	20.000	ng	-0.03
86) Perylene-d12	24.971	264	1074841	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	209212	17.194	ng	0.00
7) Phenol-d6	6.955	99	247047	15.275	ng	0.00
23) Nitrobenzene-d5	8.896	82	158792	8.710	ng	0.00
42) 2,4,6-Tribromophenol	15.889	330	130513	18.663	ng	-0.02
45) 2-Fluorobiphenyl	12.972	172	403180	9.575	ng	-0.02
79) Terphenyl-d14	19.883	244	574266	11.114	ng	-0.03
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.472	184	62	4.834	ng	# 1
56) 4-Nitrophenol	14.560	139	428	4.531	ng	# 15
71) Phenanthrene	17.219	178	619290	10.143	ng	99
72) Anthracene	17.301	178	180863	2.920	ng	98
75) Fluoranthene	19.307	202	1371099	18.724	ng	99
78) Pyrene	19.683	202	1278585	20.614	ng	99
81) Benzo(a)anthracene	21.595	228	692034	10.874	ng	98
83) Chrysene	21.654	228	655969	10.813	ng	97
87) Indeno(1,2,3-cd)pyrene	28.806	276	459265	5.876	ng	# 61
88) Benzo(b)fluoranthene	23.912	252	877340	13.348	ng	# 96
89) Benzo(k)fluoranthene	23.912	252	877340	13.081	ng	95
90) Benzo(a)pyrene	24.812	252	658921	10.237	ng	95
92) Benzo(g,h,i)perylene	30.012	276	436340	6.937	ng	98

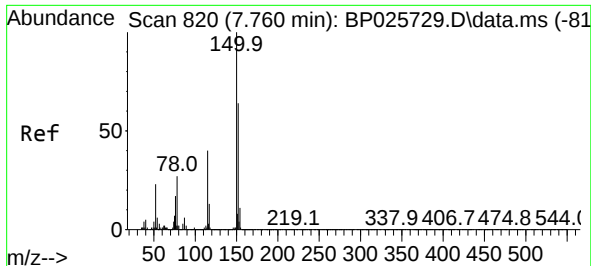
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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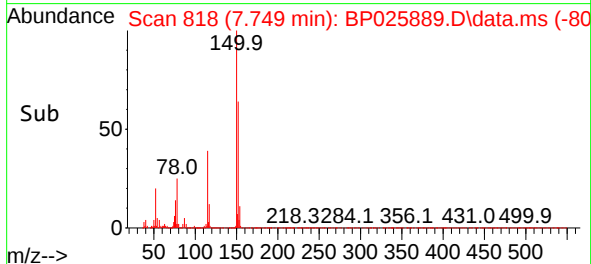
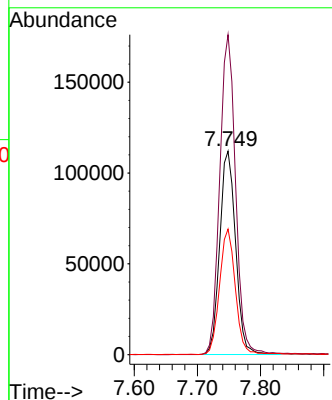
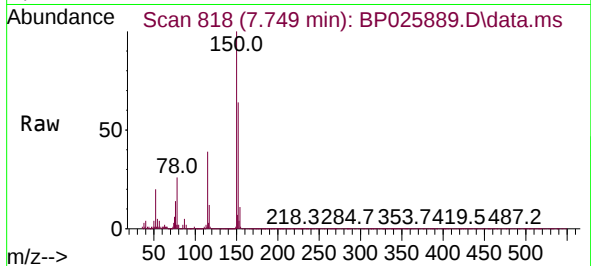




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

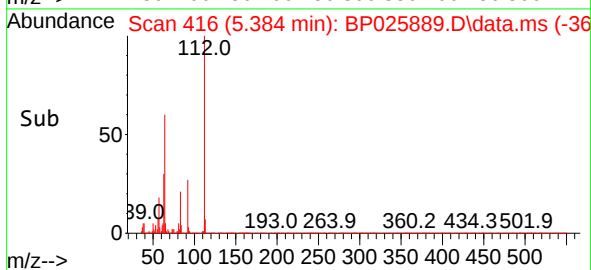
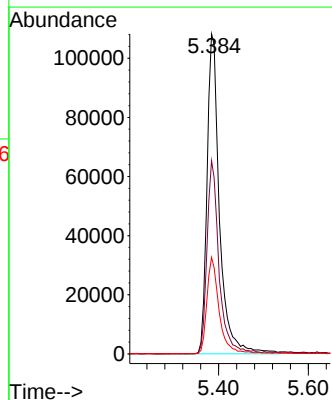
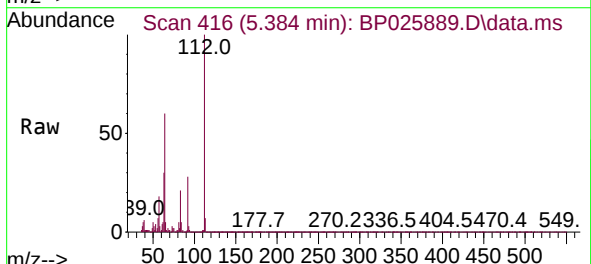
Instrument :
BNA_P
ClientSampleId :
SU-03-092625

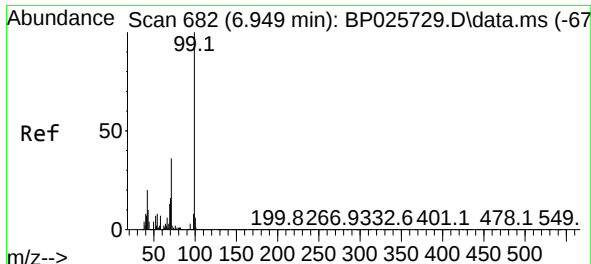
Tgt Ion:152 Resp: 196328
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 61.7 50.3 75.5



#5
2-Fluorophenol
Concen: 17.194 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Tgt Ion:112 Resp: 209212
Ion Ratio Lower Upper
112 100
64 60.4 50.2 75.4
63 30.2 26.7 40.1

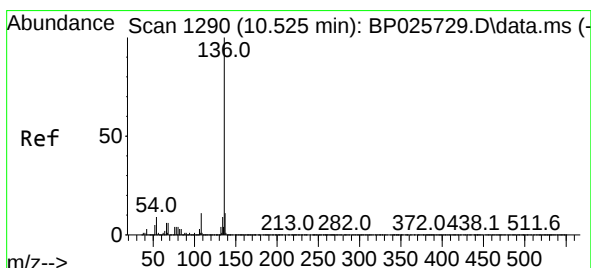
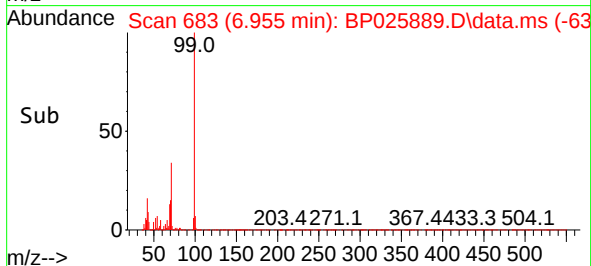
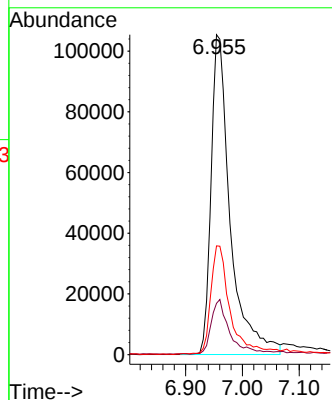
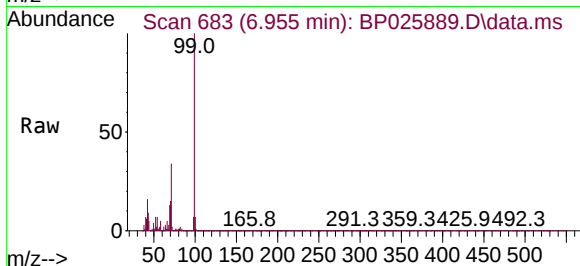




#7
Phenol-d6
Concen: 15.275 ng
RT: 6.955 min Scan# 682
Delta R.T. 0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

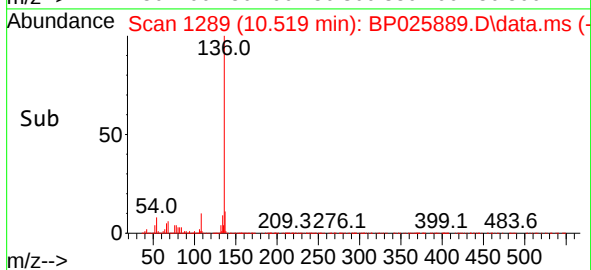
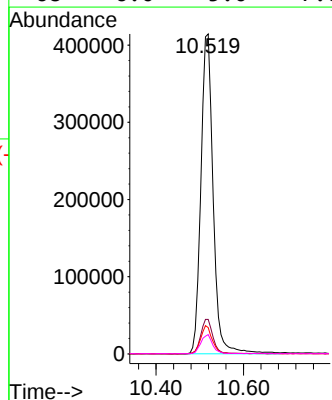
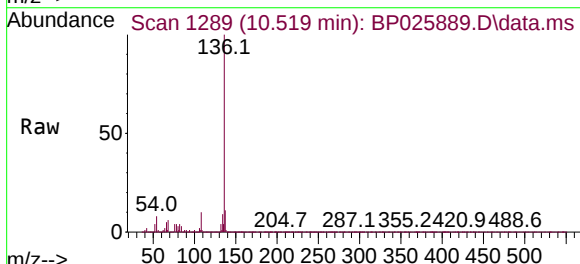
Instrument :
BNA_P
ClientSampleId :
SU-03-092625

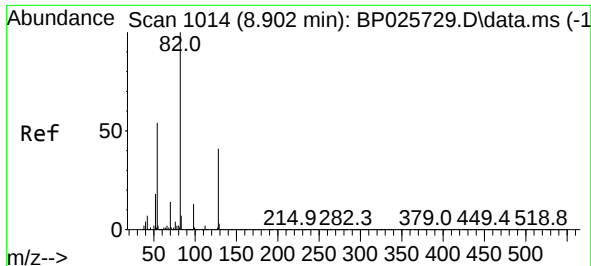
Tgt Ion: 99 Resp: 247047
Ion Ratio Lower Upper
99 100
42 16.0 15.6 23.4
71 34.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Tgt Ion:136 Resp: 804197
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.2 7.5 11.3
68 6.0 5.0 7.6

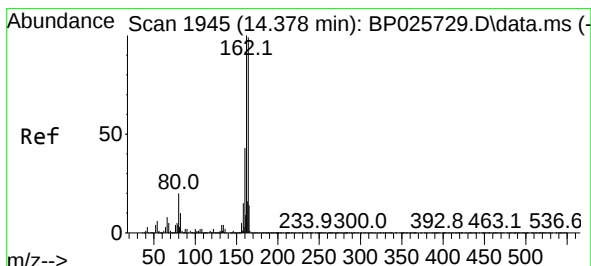
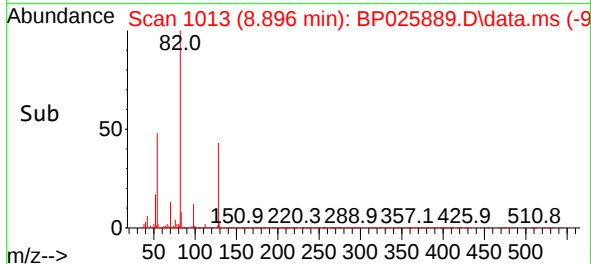
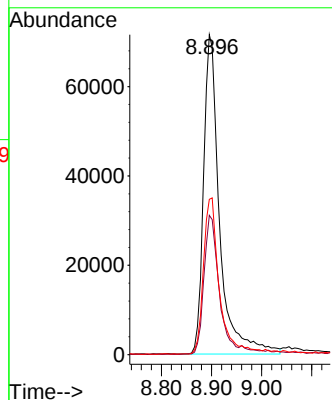
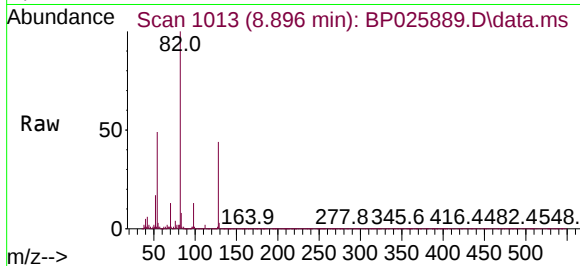




#23
Nitrobenzene-d5
Concen: 8.710 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

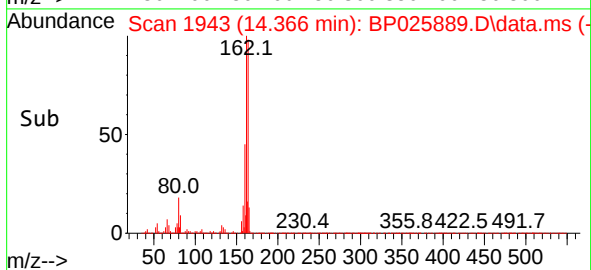
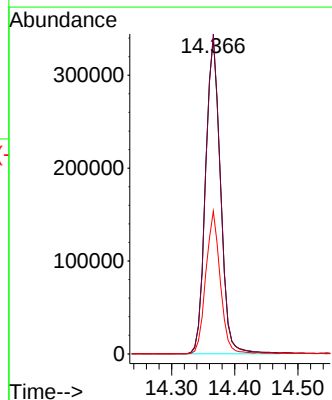
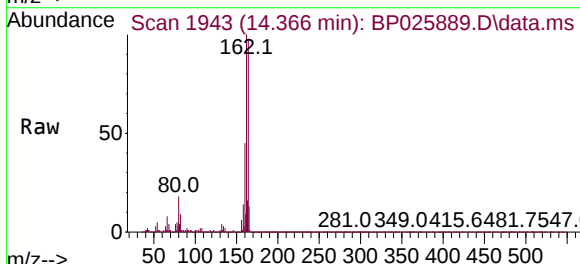
Instrument :
BNA_P
ClientSampleId :
SU-03-092625

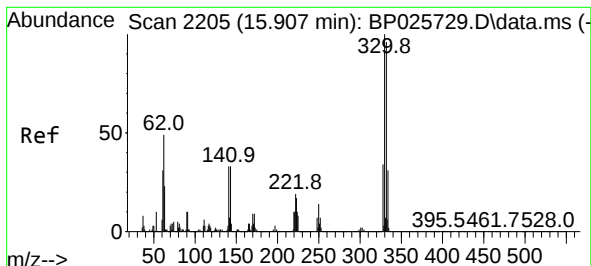
Tgt Ion: 82 Resp: 158792
Ion Ratio Lower Upper
82 100
128 43.5 32.9 49.3
54 48.5 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Tgt Ion: 164 Resp: 560676
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.4 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 18.663 ng

RT: 15.889 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

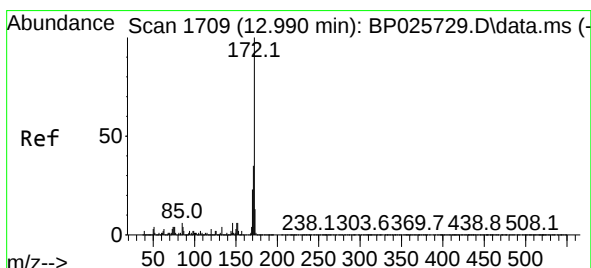
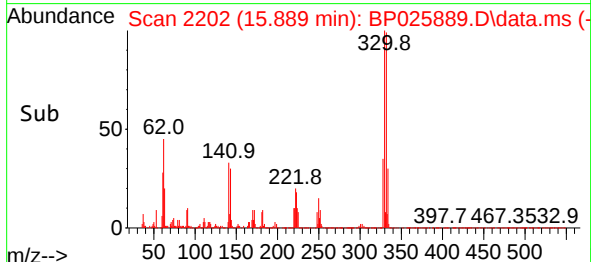
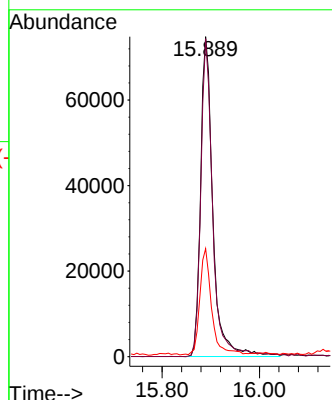
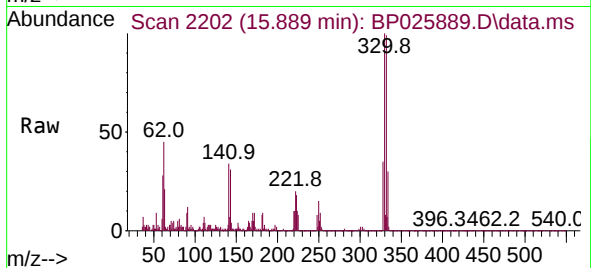
Tgt Ion:330 Resp: 130513

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 31.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 9.575 ng

RT: 12.972 min Scan# 1706

Delta R.T. -0.018 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

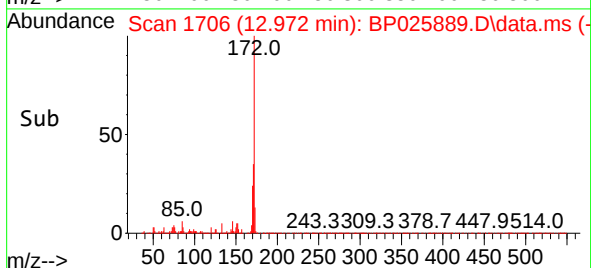
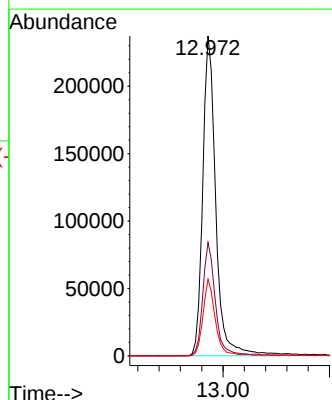
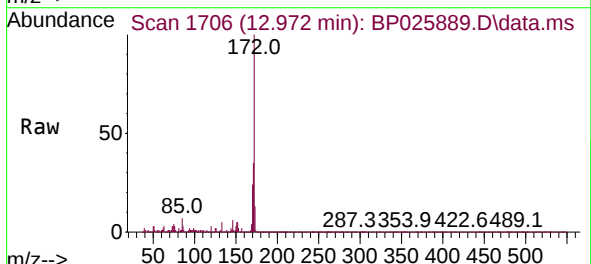
Tgt Ion:172 Resp: 403180

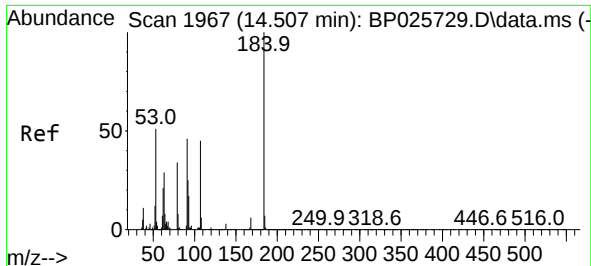
Ion Ratio Lower Upper

172 100

171 35.5 27.8 41.6

170 23.9 18.6 27.8

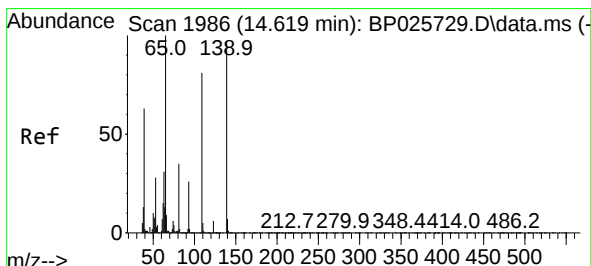
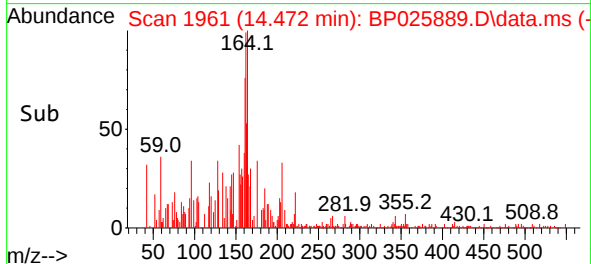
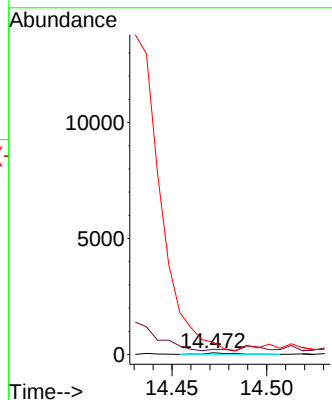
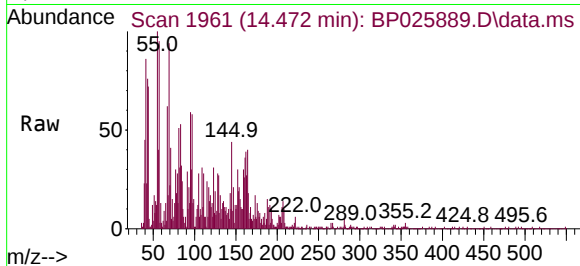




#54
2,4-Dinitrophenol
Concen: 4.834 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.035 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

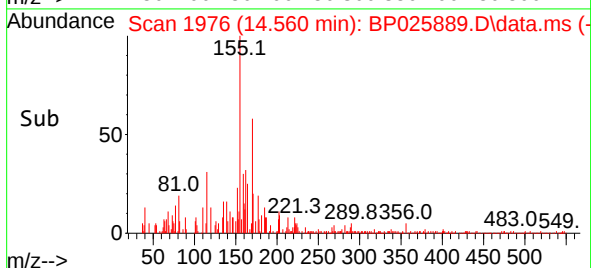
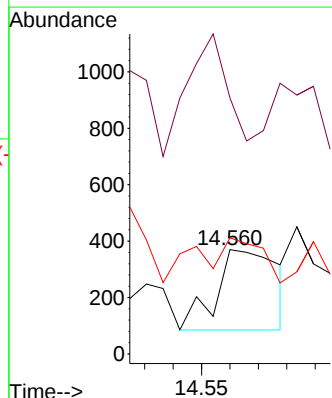
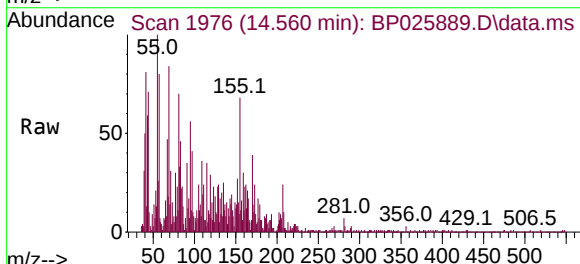
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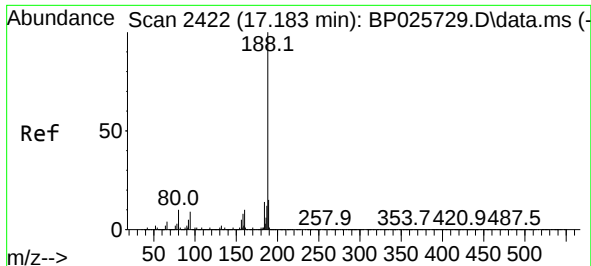
Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 285.9 52.5 78.7#
154 682.1 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.531 ng
RT: 14.560 min Scan# 1976
Delta R.T. -0.059 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Tgt Ion:139 Resp: 428
Ion Ratio Lower Upper
139 100
109 245.4 62.9 102.9#
65 111.4 83.4 123.4

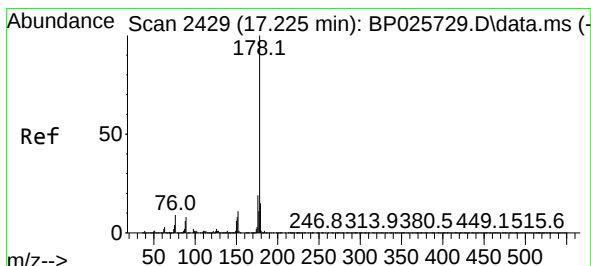
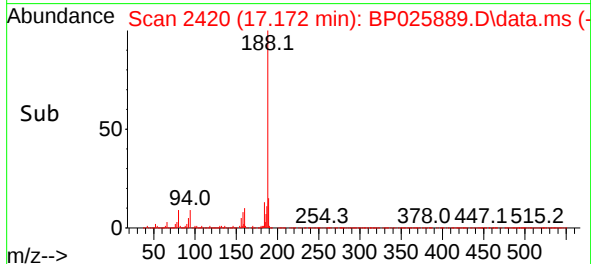
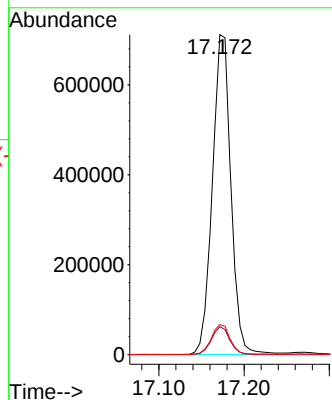
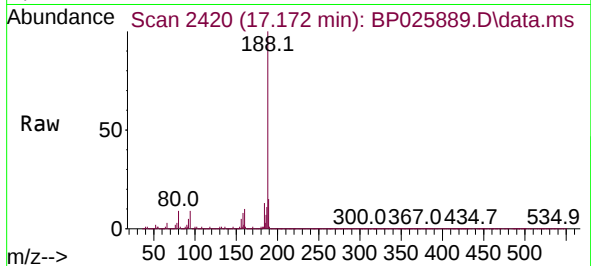




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

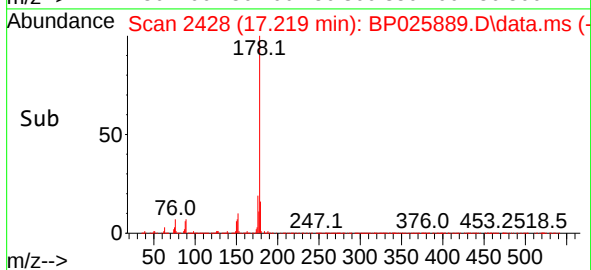
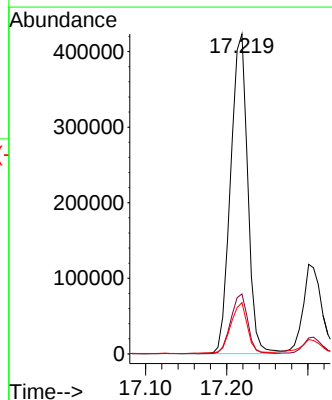
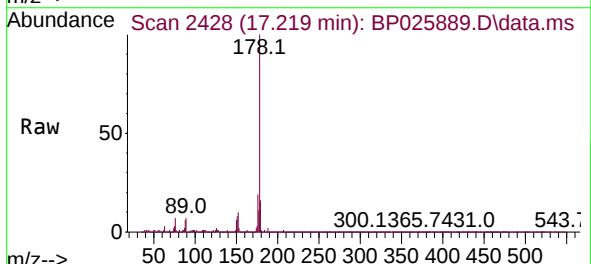
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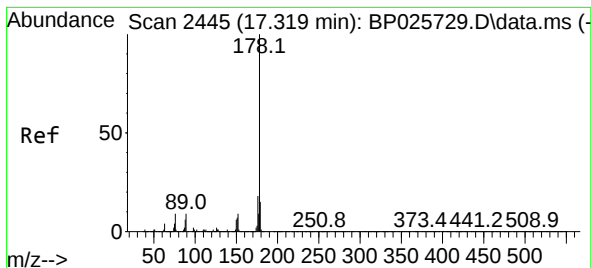
Tgt Ion:188 Resp: 1076340
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 9.4 7.7 11.5



#71
Phenanthrene
Concen: 10.143 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Tgt Ion:178 Resp: 619290
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 16.0 12.2 18.4





#72

Anthracene

Concen: 2.920 ng

RT: 17.301 min Scan# 2445

Delta R.T. -0.018 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

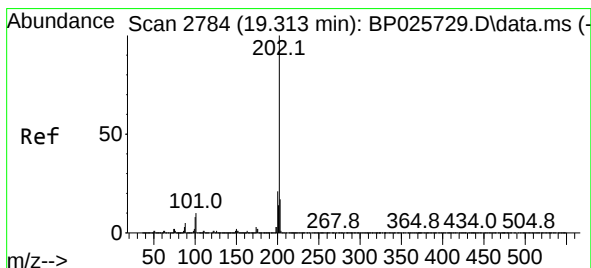
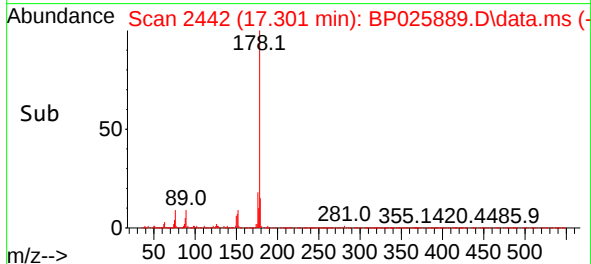
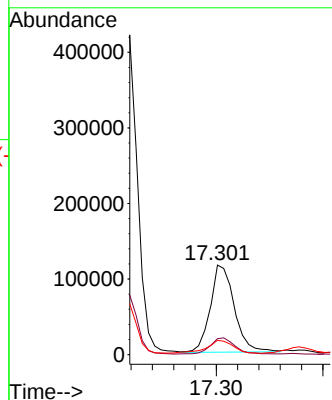
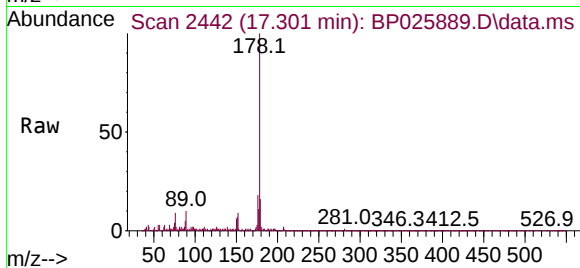
Tgt Ion:178 Resp: 180863

Ion Ratio Lower Upper

178 100

176 17.7 14.8 22.2

179 16.0 12.2 18.4



#75

Fluoranthene

Concen: 18.724 ng

RT: 19.307 min Scan# 2783

Delta R.T. -0.006 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

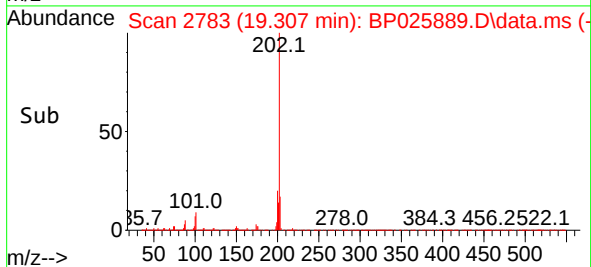
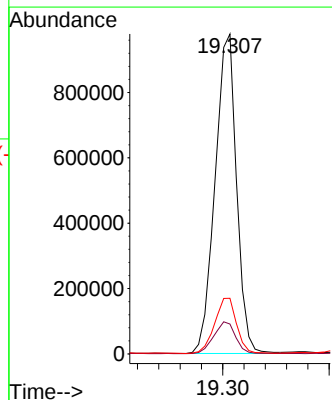
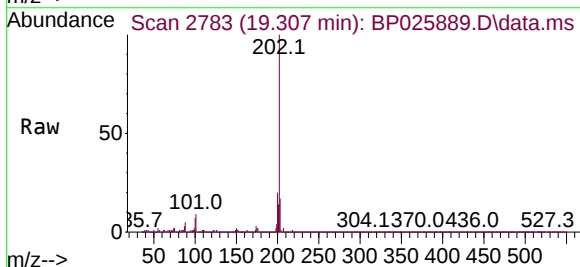
Tgt Ion:202 Resp: 1371099

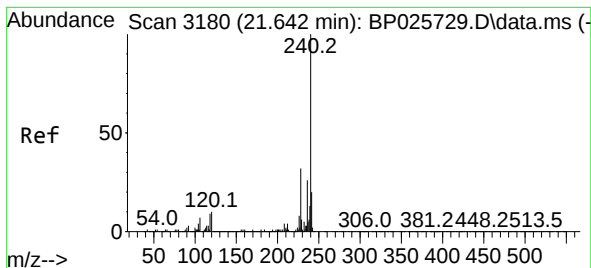
Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.4

203 17.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

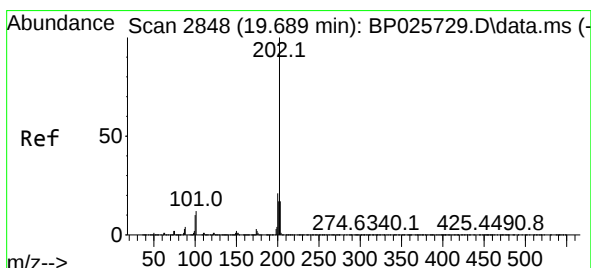
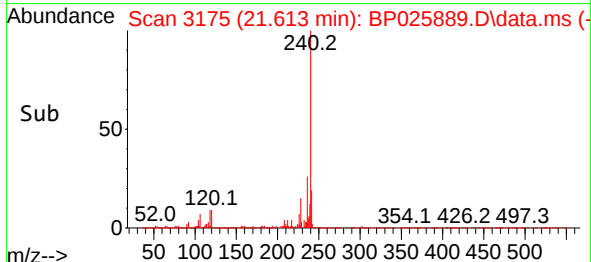
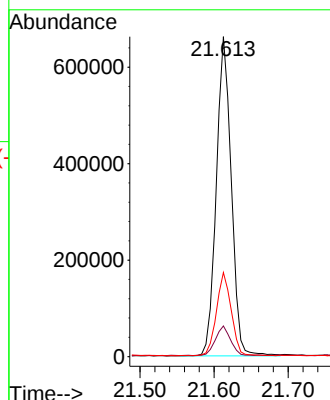
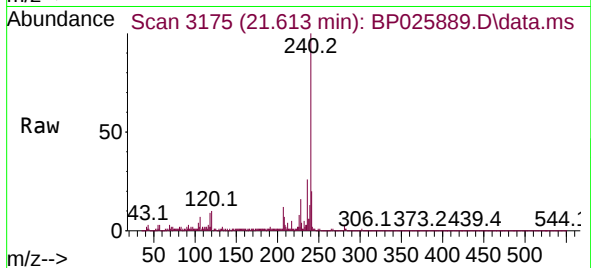
Tgt Ion:240 Resp: 929551

Ion Ratio Lower Upper

240 100

120 9.6 8.0 12.0

236 26.3 20.7 31.1



#78

Pyrene

Concen: 20.614 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

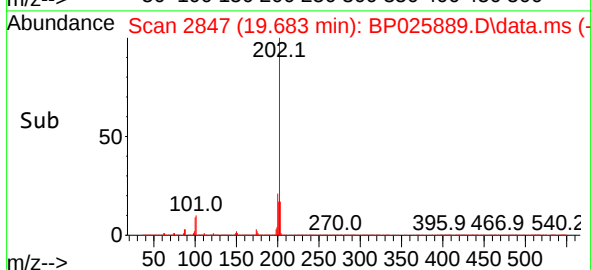
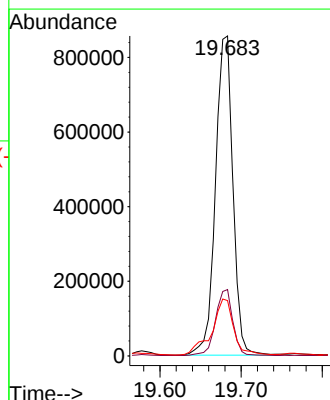
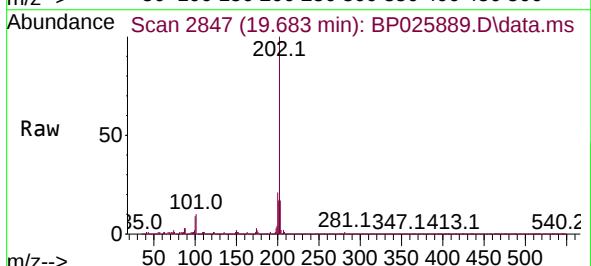
Tgt Ion:202 Resp: 1278585

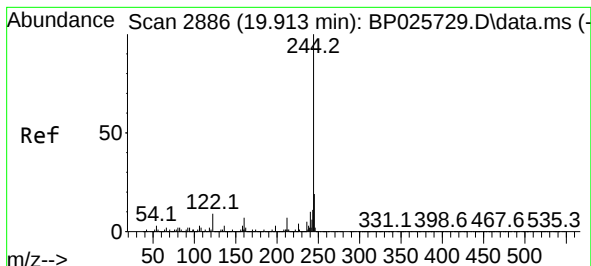
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 17.3 13.9 20.9





#79

Terphenyl-d14

Concen: 11.114 ng

RT: 19.883 min Scan# 2881

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

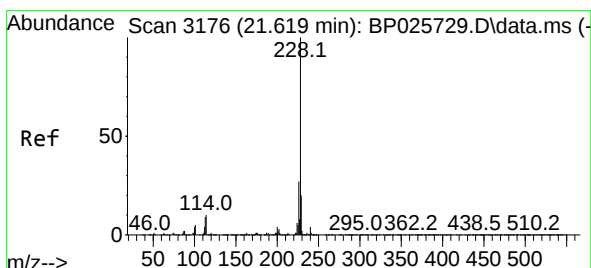
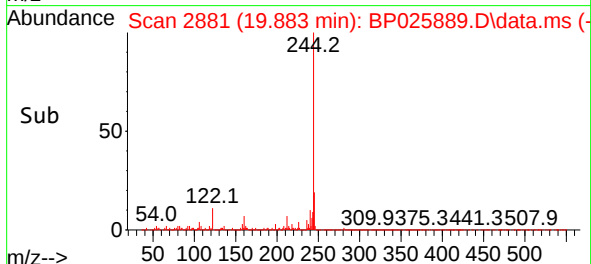
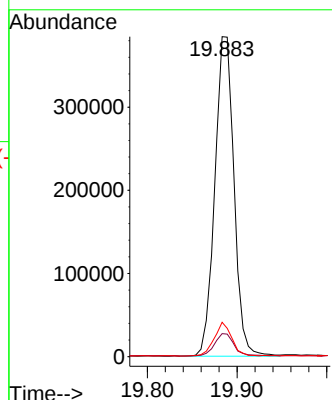
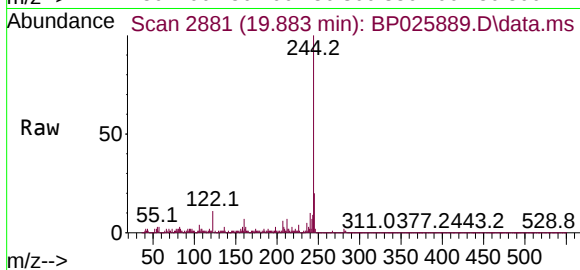
Tgt Ion:244 Resp: 574266

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.7 7.1 10.7#



#81

Benzo(a)anthracene

Concen: 10.874 ng

RT: 21.595 min Scan# 3172

Delta R.T. -0.024 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

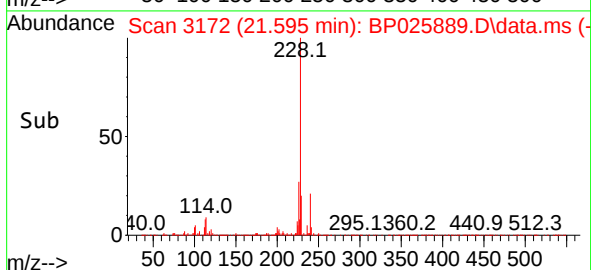
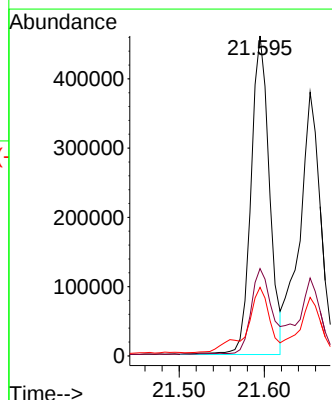
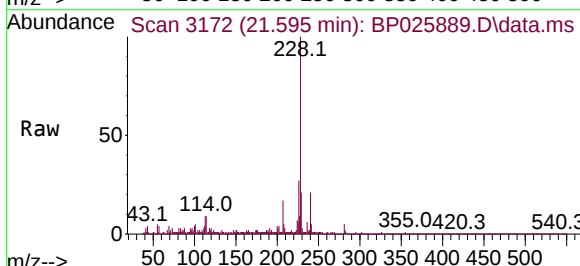
Tgt Ion:228 Resp: 692034

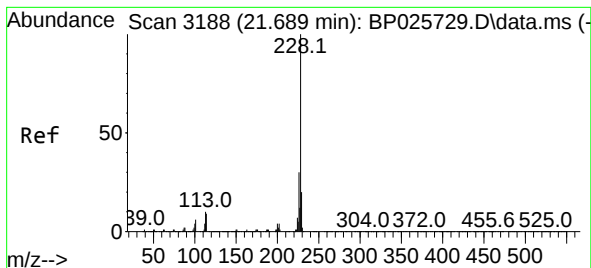
Ion Ratio Lower Upper

228 100

226 27.3 21.6 32.4

229 21.4 15.7 23.5





#83

Chrysene

Concen: 10.813 ng

RT: 21.654 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

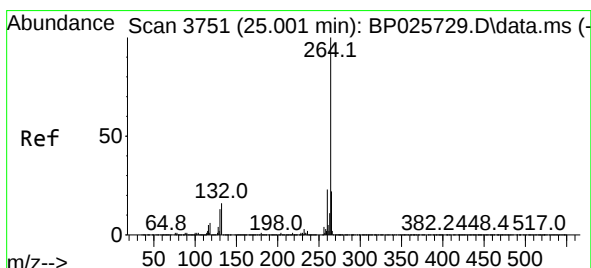
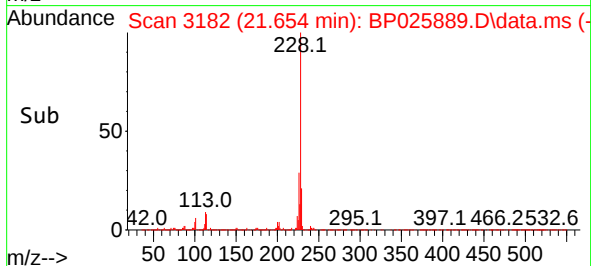
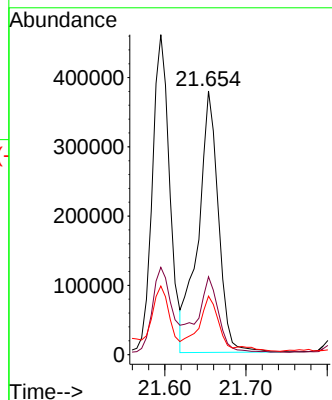
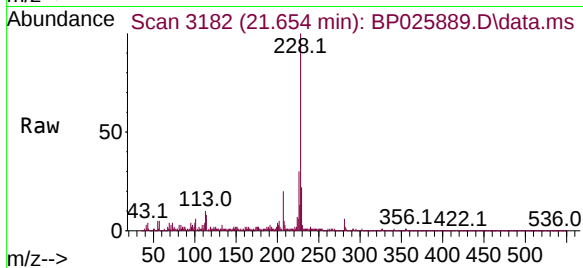
Tgt Ion:228 Resp: 655969

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

229 22.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.971 min Scan# 3746

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

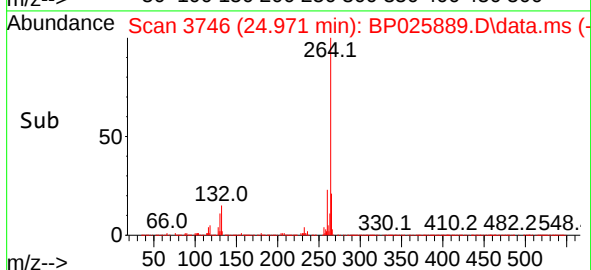
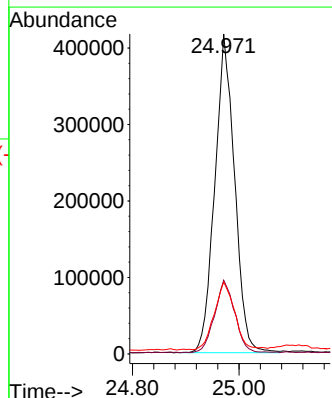
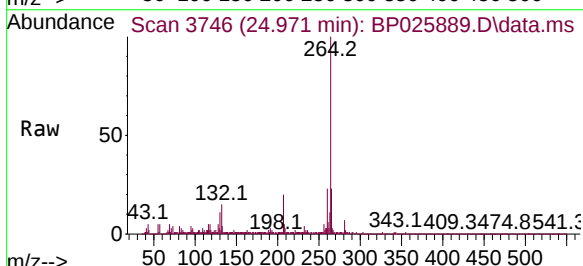
Tgt Ion:264 Resp: 1074841

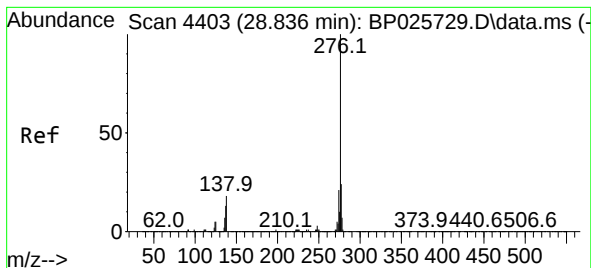
Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 22.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.876 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

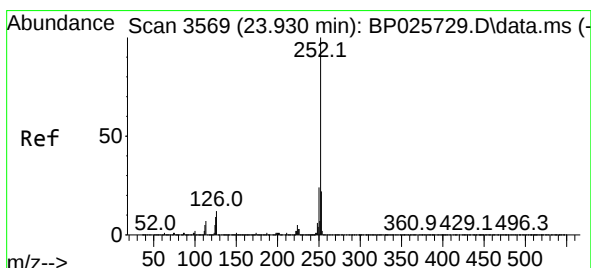
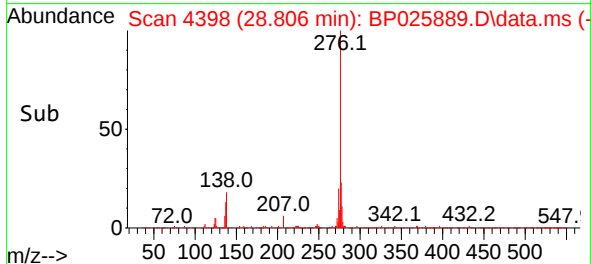
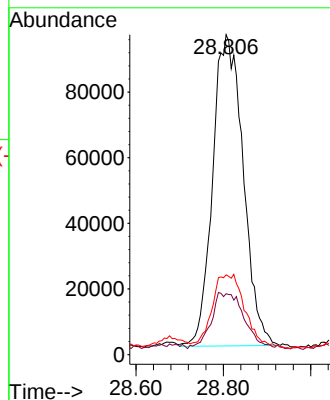
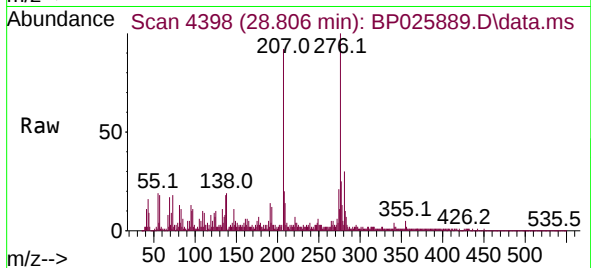
Tgt Ion:276 Resp: 459265

Ion Ratio Lower Upper

276 100

138 0.0 13.4 20.2#

277 26.3 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 13.348 ng

RT: 23.912 min Scan# 3566

Delta R.T. -0.018 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

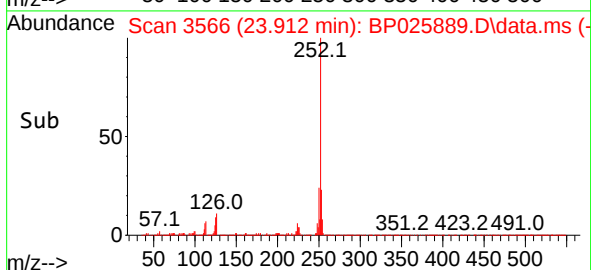
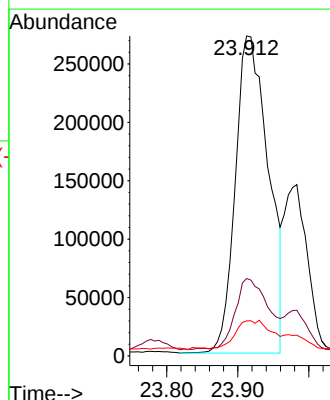
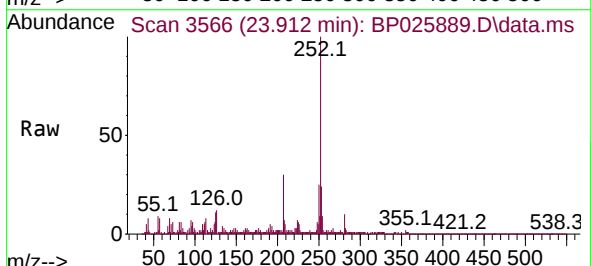
Tgt Ion:252 Resp: 877340

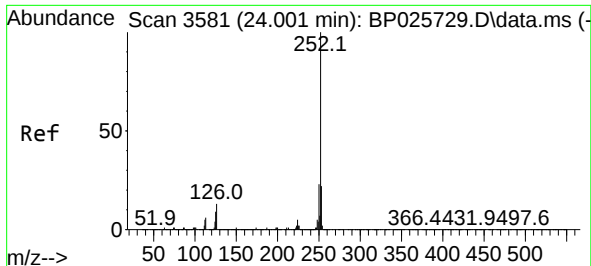
Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

125 10.9 7.3 10.9#

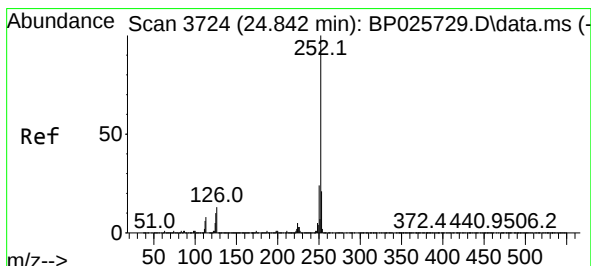
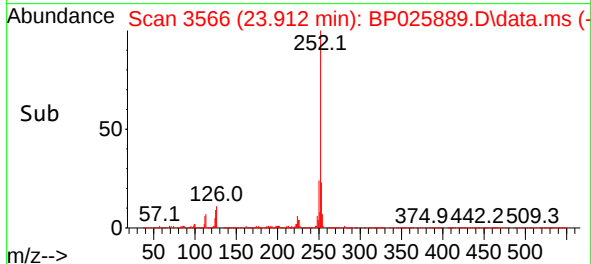
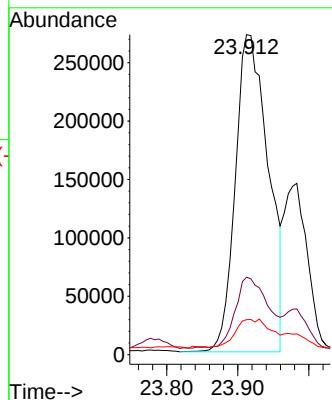
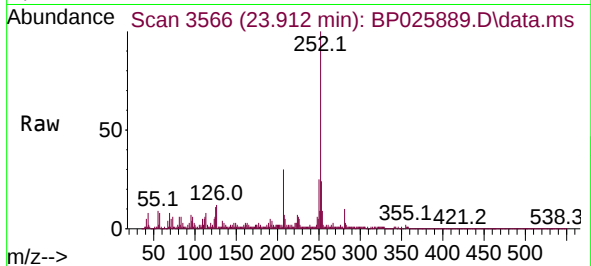




#89
Benzo(k)fluoranthene
Concen: 13.081 ng
RT: 23.912 min Scan# 31
Delta R.T. -0.088 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

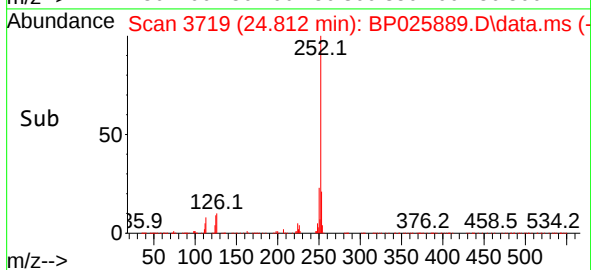
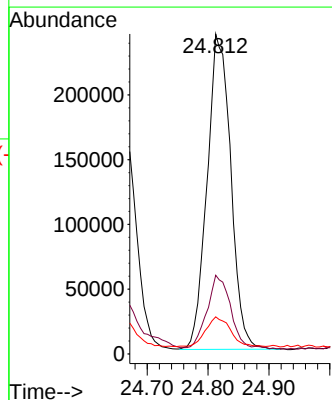
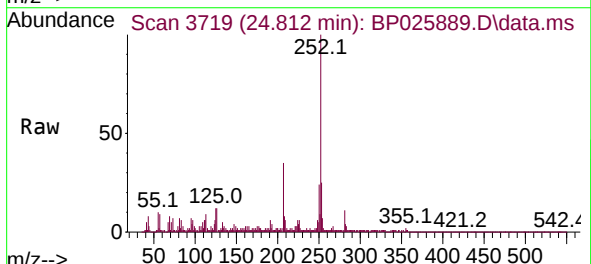
Instrument :
BNA_P
ClientSampleId :
SU-03-092625

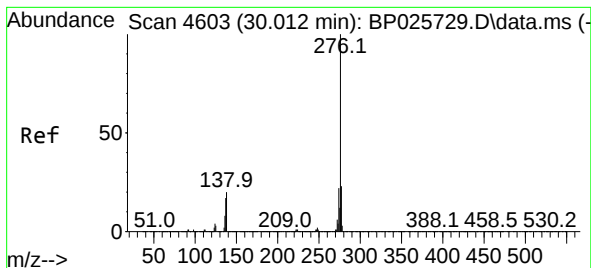
Tgt Ion:252 Resp: 877340
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 10.9 7.5 11.3



#90
Benzo(a)pyrene
Concen: 10.237 ng
RT: 24.812 min Scan# 3719
Delta R.T. -0.030 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Tgt Ion:252 Resp: 658921
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 11.6 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 6.937 ng

RT: 30.012 min Scan# 4603

Delta R.T. -0.000 min

Lab File: BP025889.D

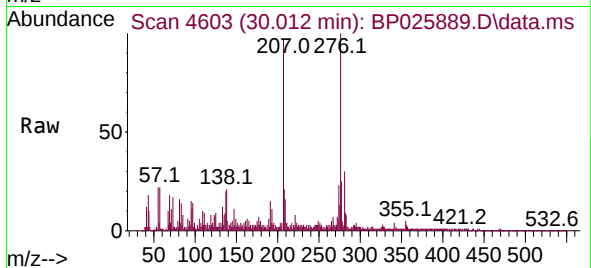
Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625



Tgt Ion: 276 Resp: 436340

Ion Ratio Lower Upper

276 100

277 24.9 18.7 28.1

138 20.7 16.0 24.0

