

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092525\
 Data File : BP025867.D
 Acq On : 25 Sep 2025 21:36
 Operator : CG/JU
 Sample : Q3167-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT4784

Quant Time: Sep 25 22:07:25 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)

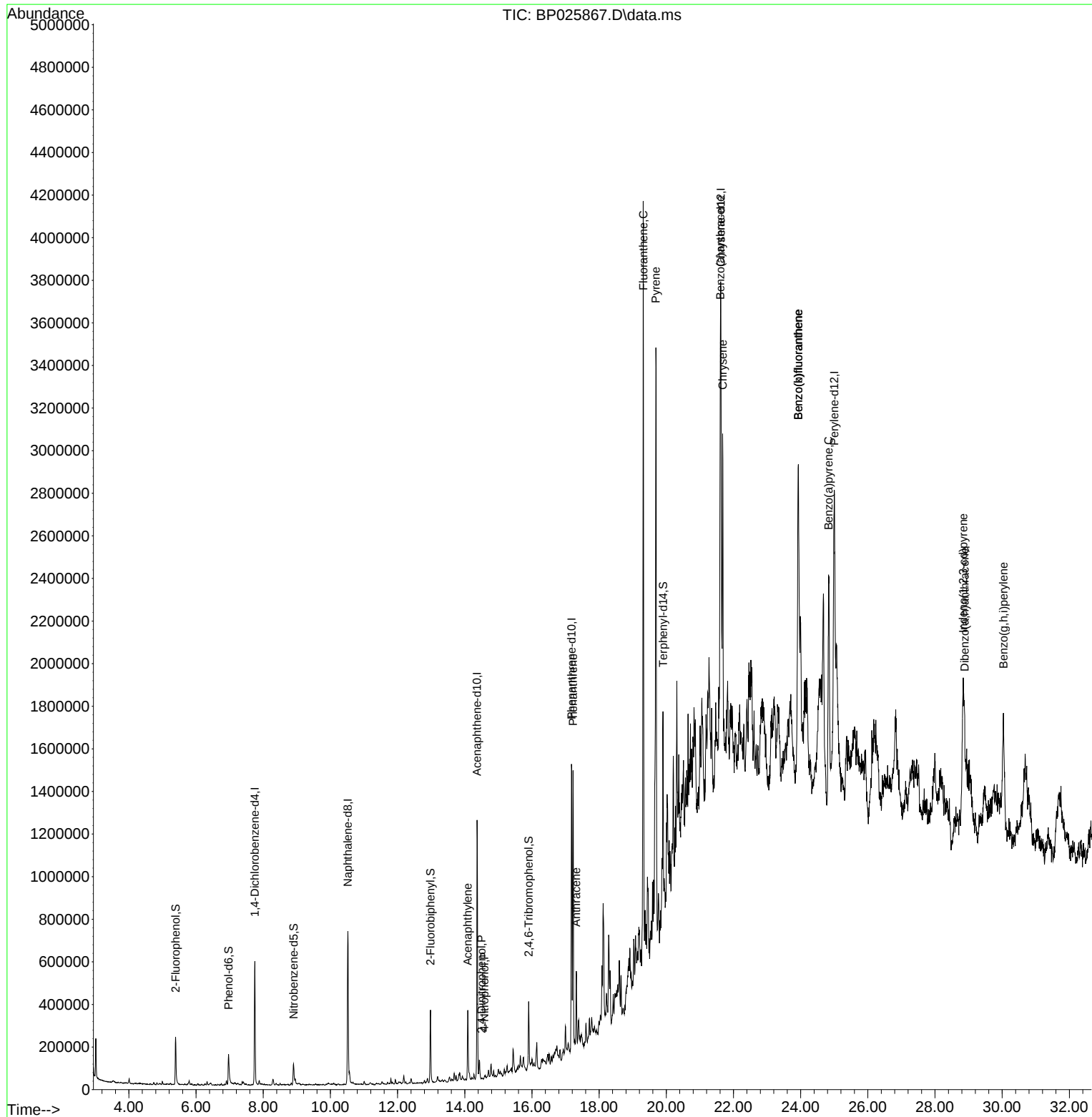
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	168700	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	666294	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	448032	20.000	ng	-0.01
64) Phenanthrene-d10	17.178	188	906496	20.000	ng	0.00
76) Chrysene-d12	21.624	240	964685	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1124463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	117204	11.210	ng	0.00
7) Phenol-d6	6.966	99	127782	9.195	ng	0.02
23) Nitrobenzene-d5	8.902	82	83884	5.553	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	69869	12.503	ng	0.00
45) 2-Fluorobiphenyl	12.978	172	220622	6.557	ng	-0.01
79) Terphenyl-d14	19.901	244	372742	6.951	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.090	152	285942	6.665	ng	98
54) 2,4-Dinitrophenol	14.495	184	148	4.854	ng	# 1
56) 4-Nitrophenol	14.584	139	461	4.549	ng	# 67
71) Phenanthrene	17.225	178	852309	16.575	ng	99
72) Anthracene	17.319	178	279379	5.355	ng	98
75) Fluoranthene	19.313	202	2064378	33.474	ng	98
78) Pyrene	19.689	202	1904003	29.580	ng	99
81) Benzo(a)anthracene	21.607	228	1220878	18.486	ng	95
83) Chrysene	21.677	228	1204716	19.136	ng	98
87) Indeno(1,2,3-cd)pyrene	28.842	276	1072361	13.114	ng	# 86
88) Benzo(b)fluoranthene	23.930	252	1902798	27.672	ng	99
89) Benzo(k)fluoranthene	23.930	252	1902798	27.118	ng	98
90) Benzo(a)pyrene	24.830	252	1344634	19.968	ng	96
91) Dibenzo(a,h)anthracene	28.883	278	259874	3.884	ng	# 81
92) Benzo(g,h,i)perylene	30.036	276	1020177	15.502	ng	99

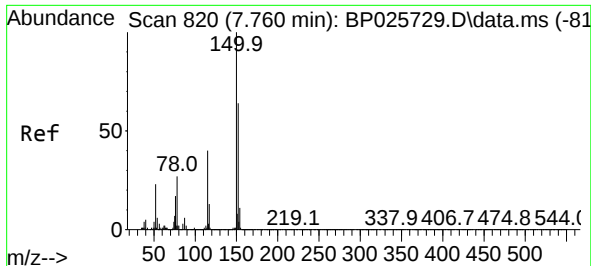
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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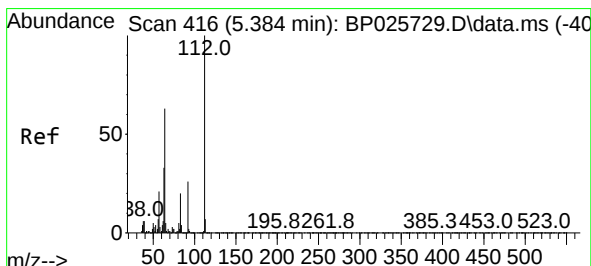
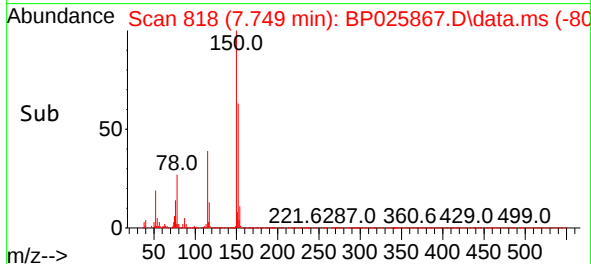
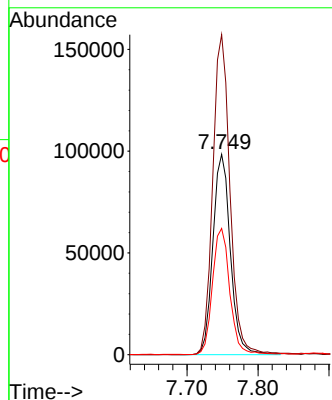
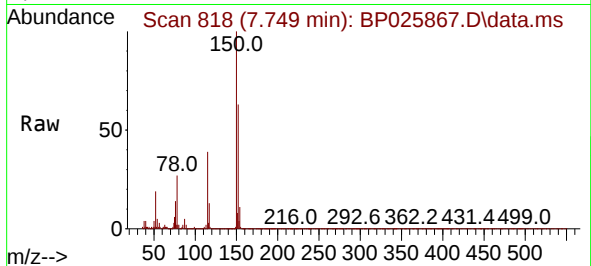




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

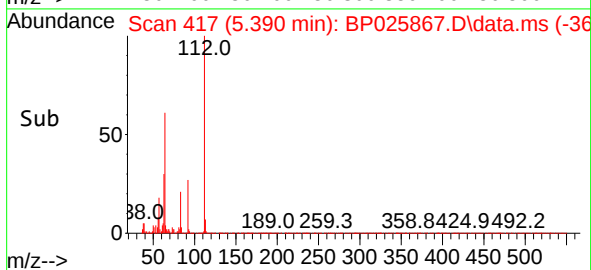
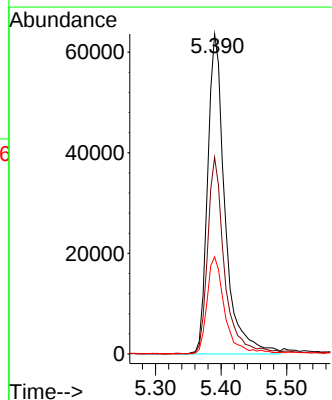
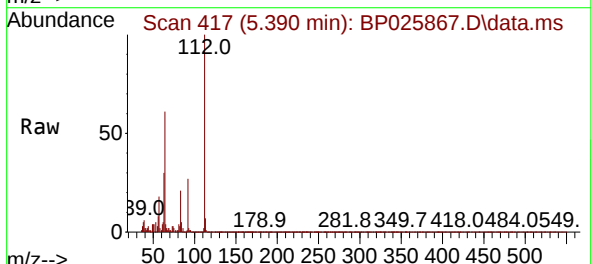
Instrument :
BNA_P
ClientSampleId :
RT4784

Tgt Ion:152 Resp: 168700
Ion Ratio Lower Upper
152 100
150 159.7 124.3 186.5
115 63.0 50.3 75.5



#5
2-Fluorophenol
Concen: 11.210 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:112 Resp: 117204
Ion Ratio Lower Upper
112 100
64 61.4 50.2 75.4
63 30.4 26.7 40.1

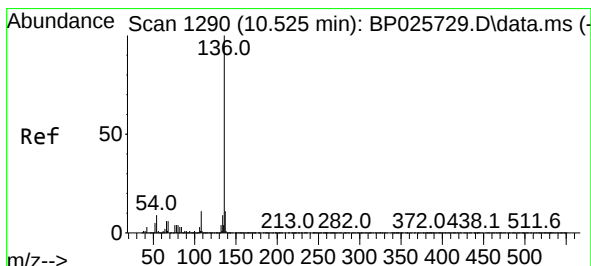
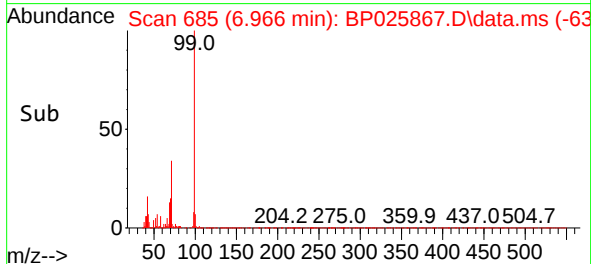
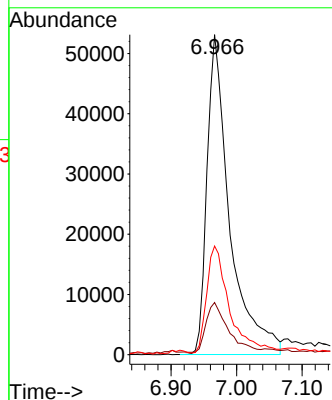
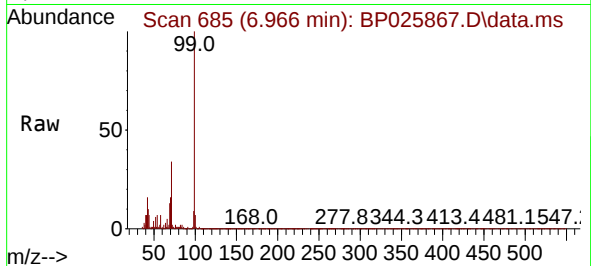




#7
Phenol-d6
Concen: 9.195 ng
RT: 6.966 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

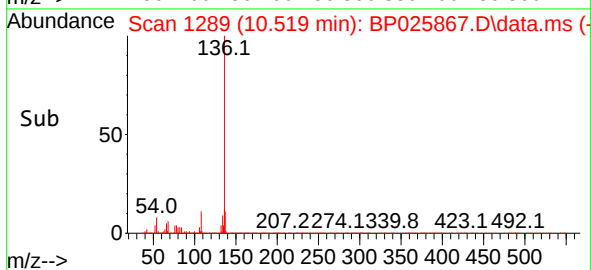
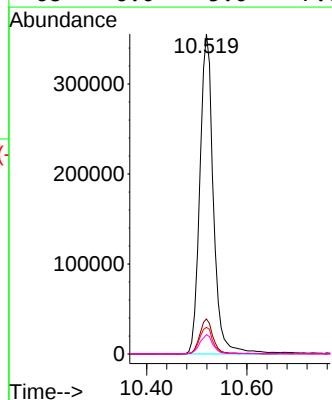
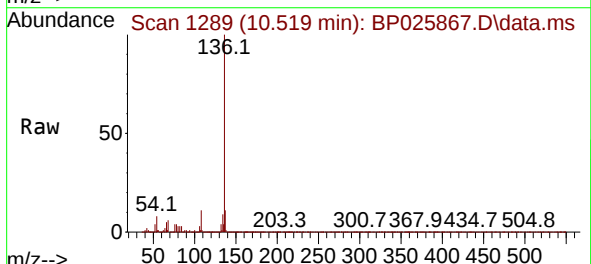
Instrument :
BNA_P
ClientSampleId :
RT4784

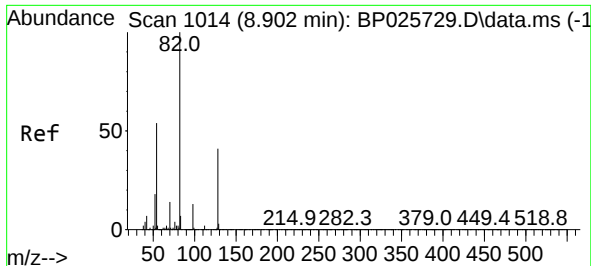
Tgt Ion: 99 Resp: 127782
Ion Ratio Lower Upper
99 100
42 16.3 15.6 23.4
71 33.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:136 Resp: 666294
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.3 7.5 11.3
68 6.0 5.0 7.6

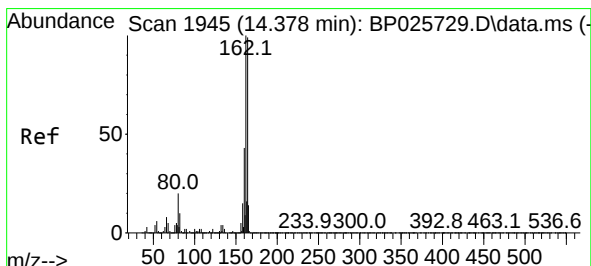
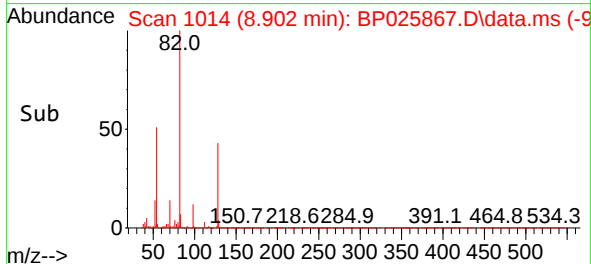
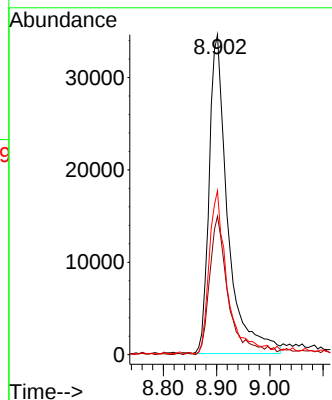
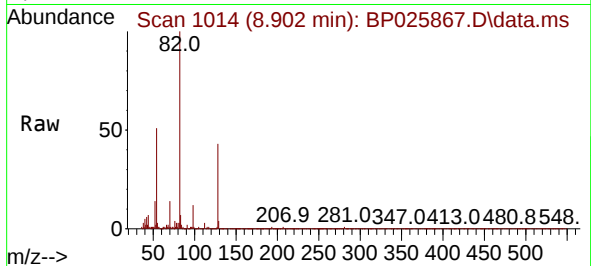




#23
Nitrobenzene-d5
Concen: 5.553 ng
RT: 8.902 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

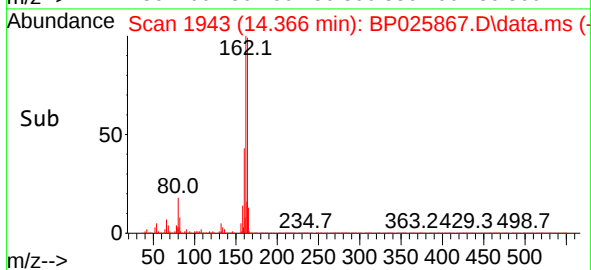
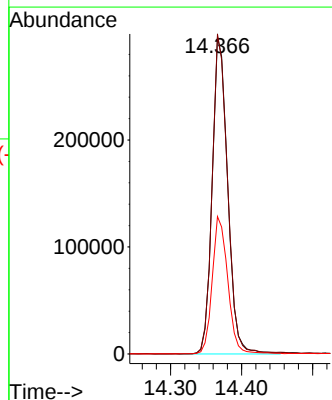
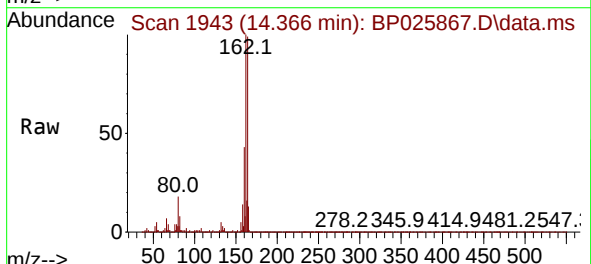
Instrument :
BNA_P
ClientSampleId :
RT4784

Tgt Ion: 82 Resp: 83884
Ion Ratio Lower Upper
82 100
128 43.2 32.9 49.3
54 51.2 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: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion: 164 Resp: 448032
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 43.4 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 12.503 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

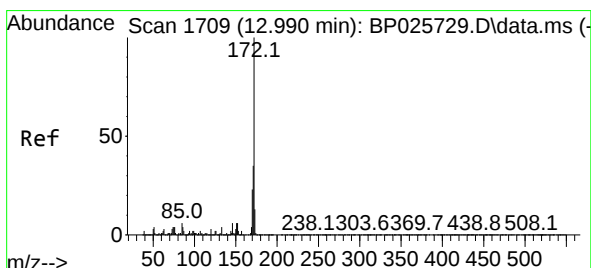
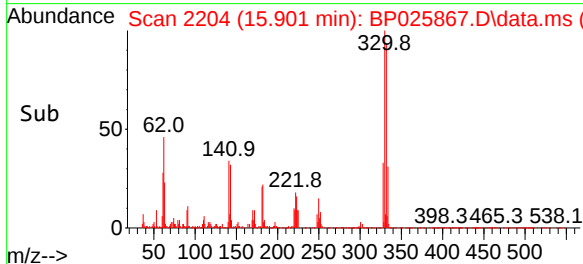
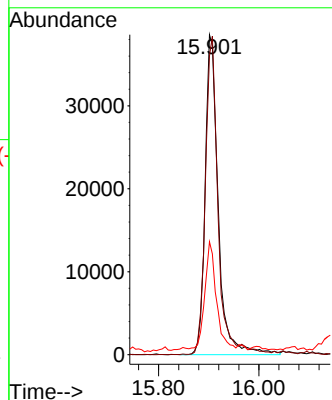
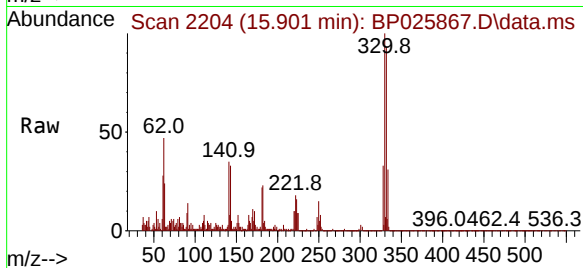
Tgt Ion:330 Resp: 69869

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 30.3 31.0 46.4#



#45

2-Fluorobiphenyl

Concen: 6.557 ng

RT: 12.978 min Scan# 1707

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

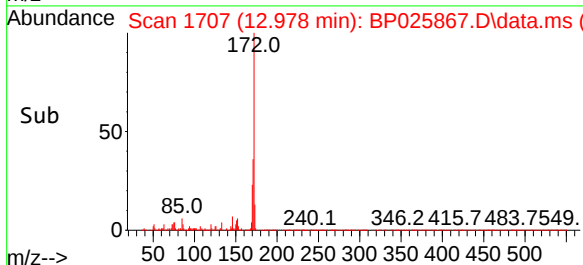
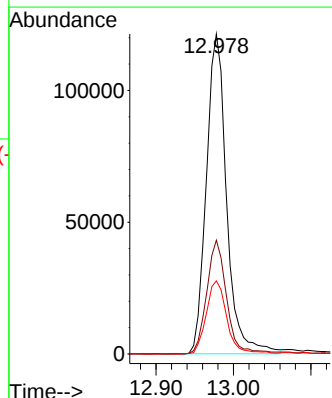
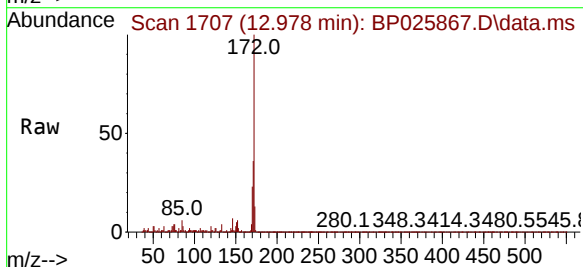
Tgt Ion:172 Resp: 220622

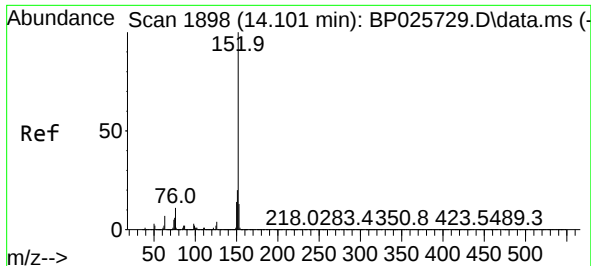
Ion Ratio Lower Upper

172 100

171 35.6 27.8 41.6

170 22.8 18.6 27.8

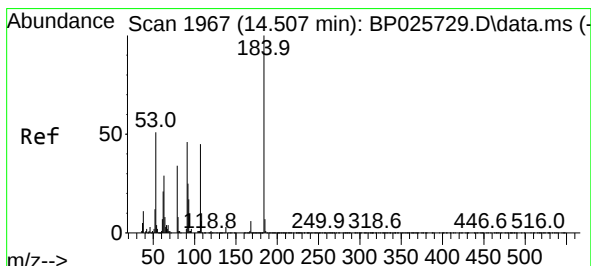
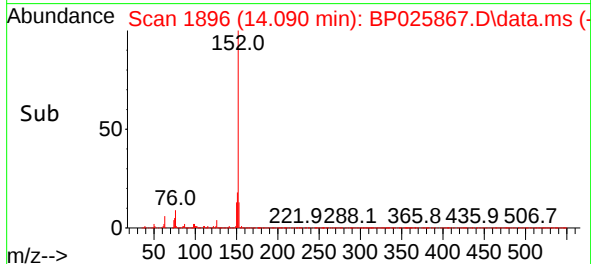
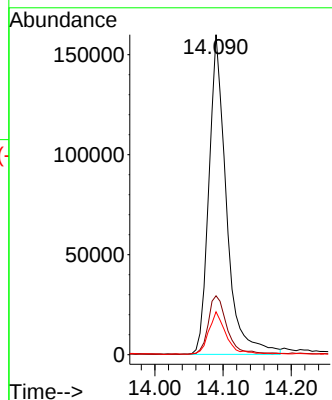
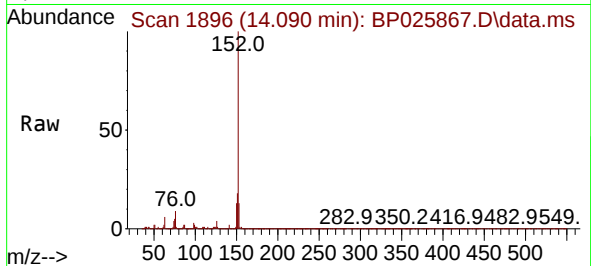




#49
Acenaphthylene
Concen: 6.665 ng
RT: 14.090 min Scan# 1896
Delta R.T. -0.012 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

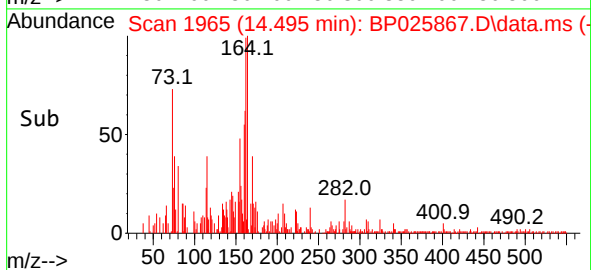
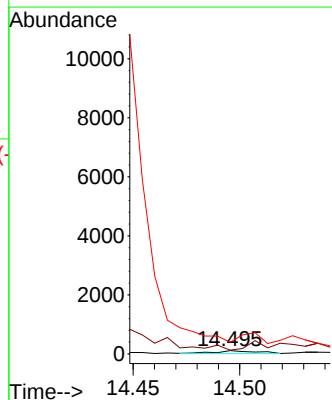
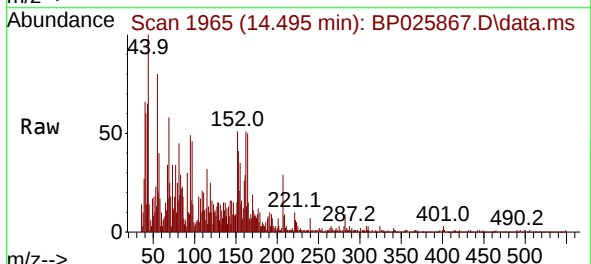
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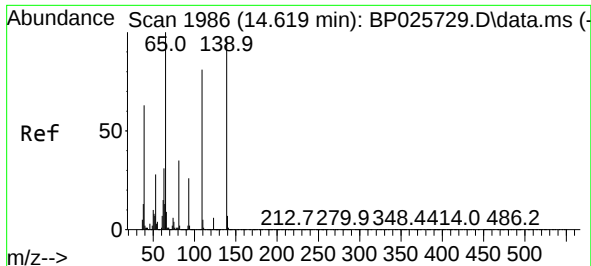
Tgt Ion:152 Resp: 285942
Ion Ratio Lower Upper
152 100
151 18.4 15.8 23.6
153 13.4 10.5 15.7



#54
2,4-Dinitrophenol
Concen: 4.854 ng
RT: 14.495 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:184 Resp: 148
Ion Ratio Lower Upper
184 100
63 115.0 52.5 78.7#
154 350.4 51.5 77.3#

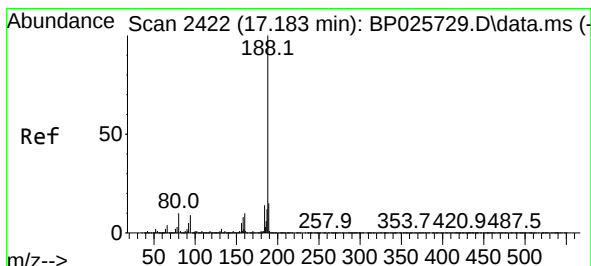
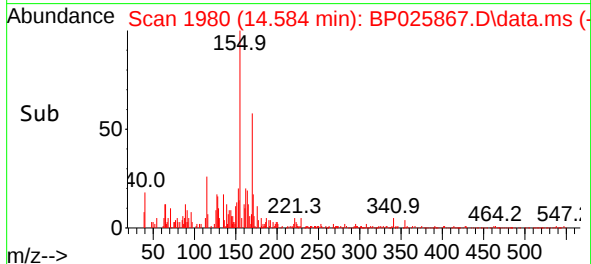
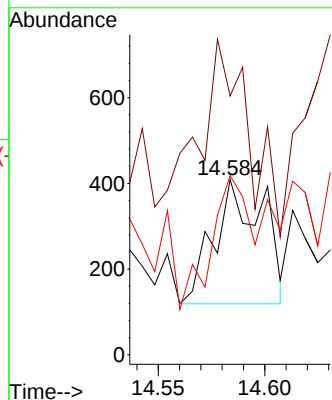
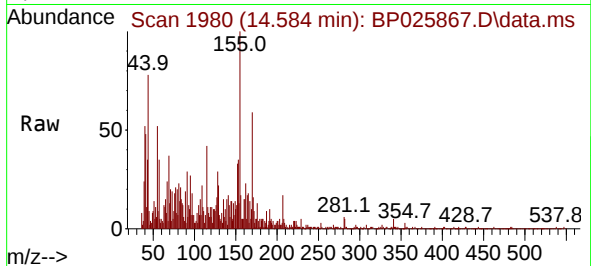




#56
4-Nitrophenol
Concen: 4.549 ng
RT: 14.584 min Scan# 1980
Delta R.T. -0.035 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

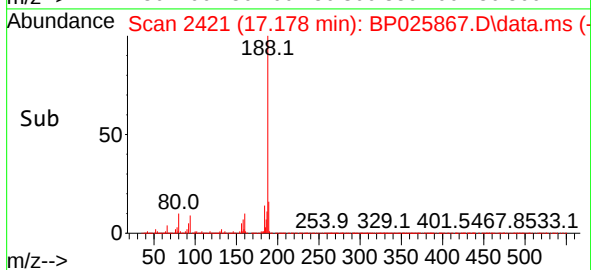
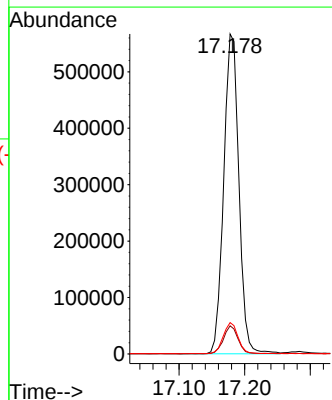
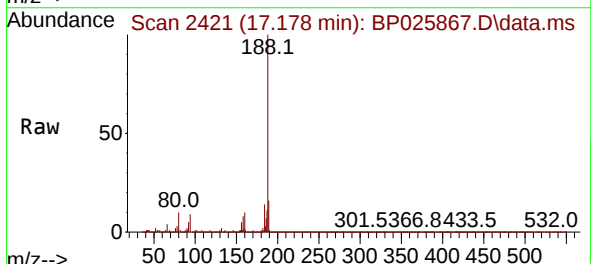
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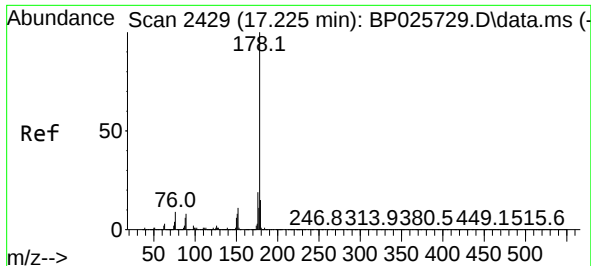
Tgt Ion:139 Resp: 461
Ion Ratio Lower Upper
139 100
109 147.7 62.9 102.9#
65 102.2 83.4 123.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:188 Resp: 906496
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.0
80 9.8 7.7 11.5

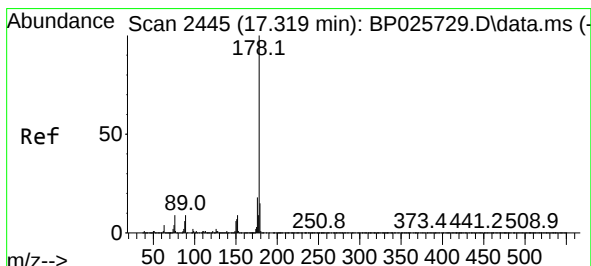
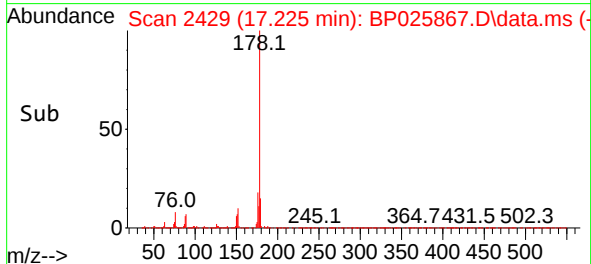
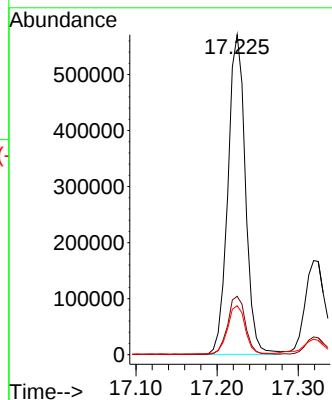
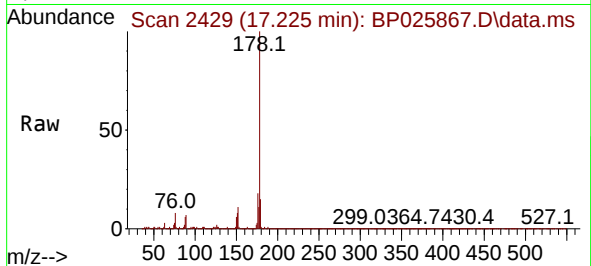




#71
Phenanthrene
Concen: 16.575 ng
RT: 17.225 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

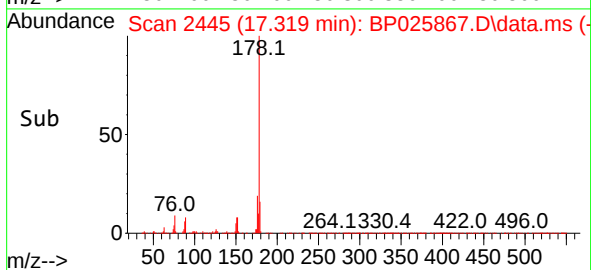
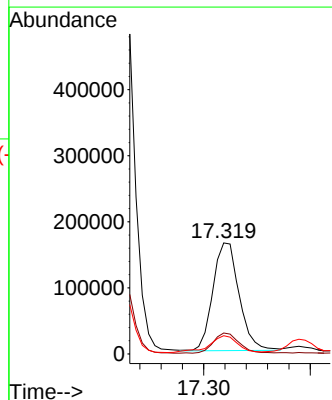
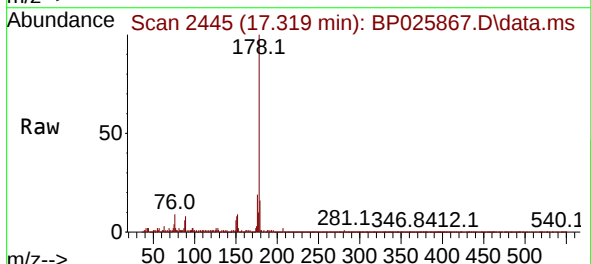
Instrument :
BNA_P
ClientSampleId :
RT4784

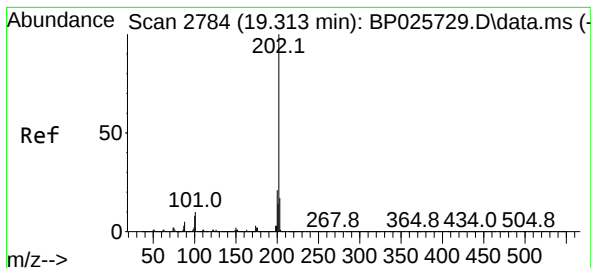
Tgt Ion:178 Resp: 852309
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.3 12.2 18.4



#72
Anthracene
Concen: 5.355 ng
RT: 17.319 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:178 Resp: 279379
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 16.5 12.2 18.4





#75

Fluoranthene

Concen: 33.474 ng

RT: 19.313 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

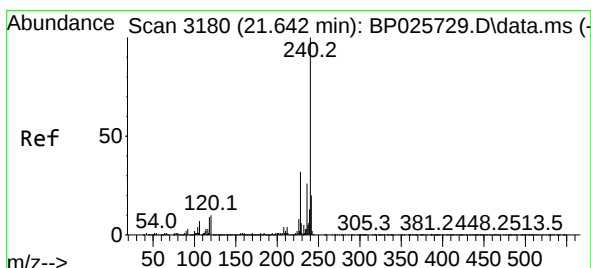
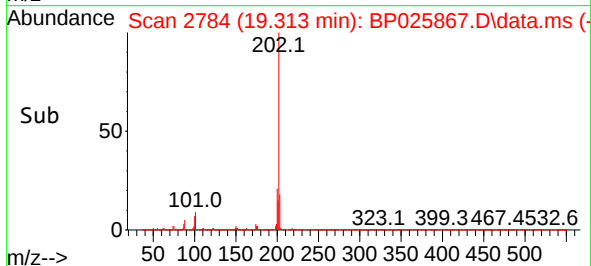
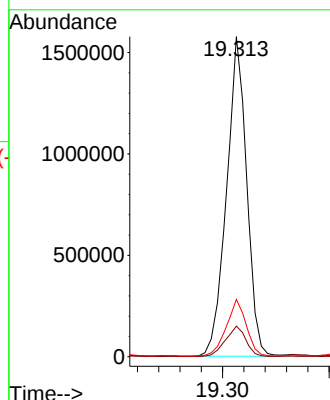
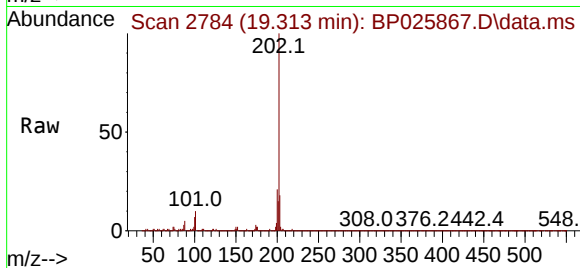
Tgt Ion:202 Resp: 2064378

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.4

203 17.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.018 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

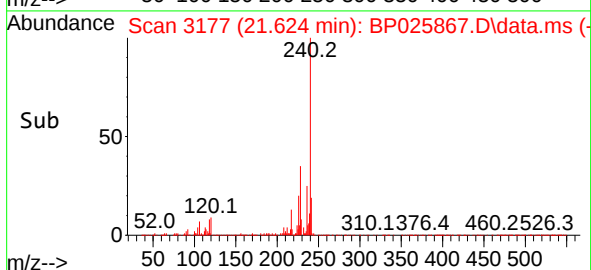
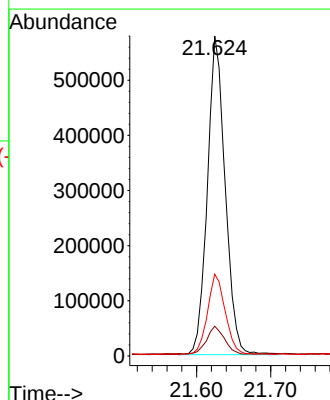
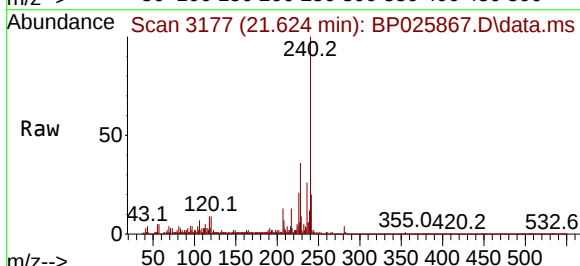
Tgt Ion:240 Resp: 964685

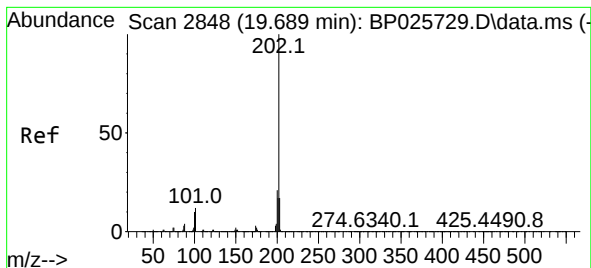
Ion Ratio Lower Upper

240 100

120 9.3 8.0 12.0

236 25.6 20.7 31.1





#78

Pyrene

Concen: 29.580 ng

RT: 19.689 min Scan# 2848

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

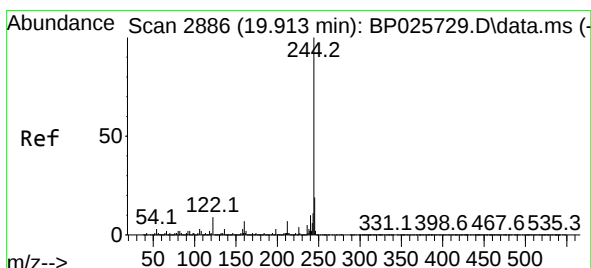
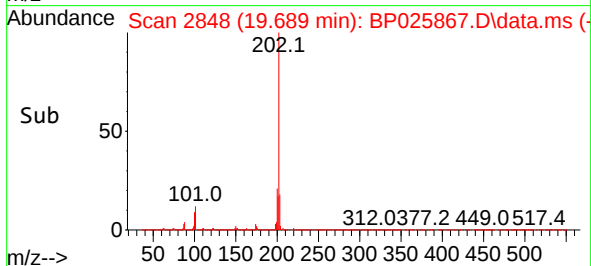
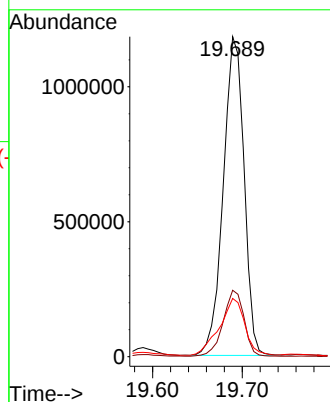
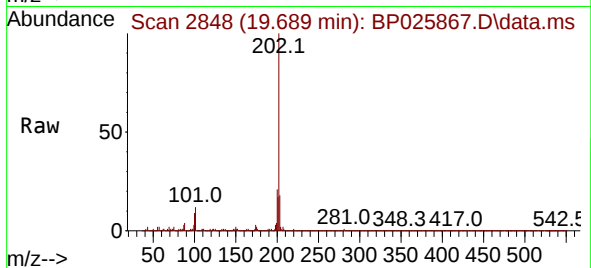
Tgt Ion:202 Resp: 1904003

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 18.2 13.9 20.9



#79

Terphenyl-d14

Concen: 6.951 ng

RT: 19.901 min Scan# 2884

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

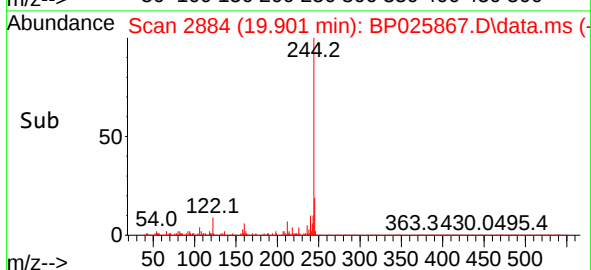
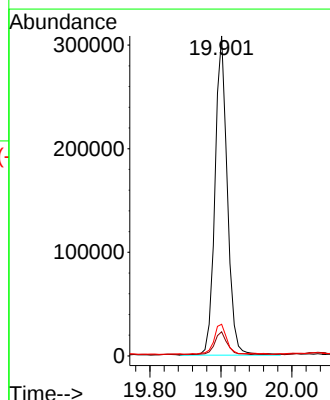
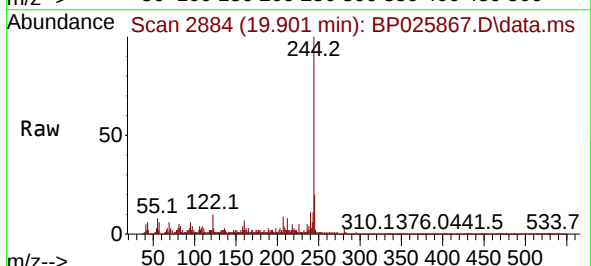
Tgt Ion:244 Resp: 372742

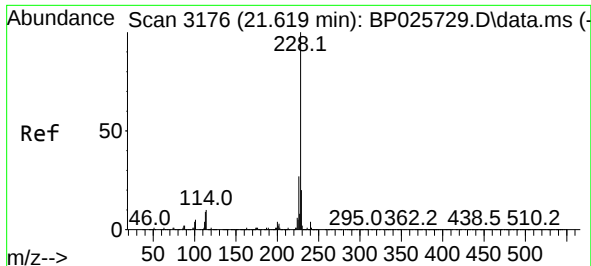
Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 9.9 7.1 10.7

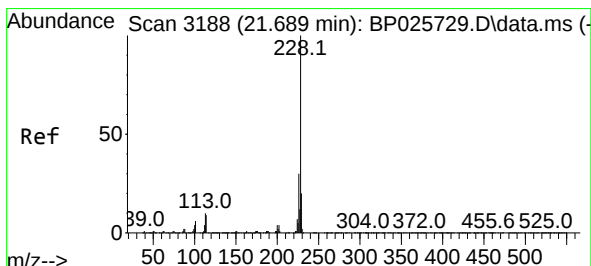
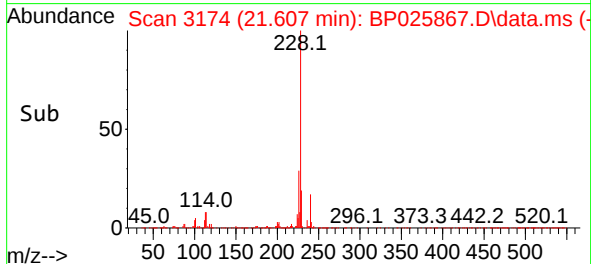
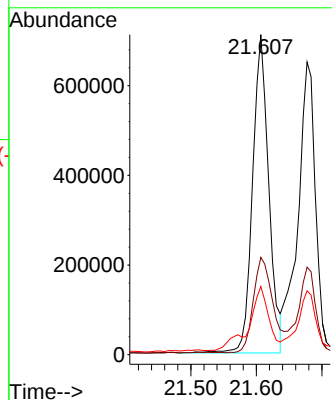
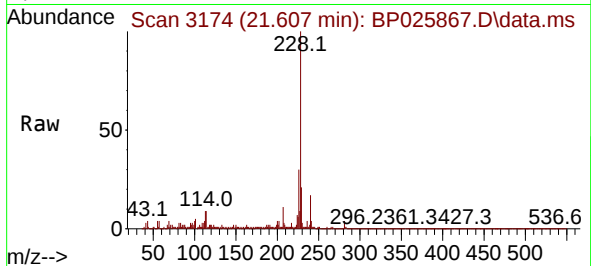




#81
Benzo(a)anthracene
Concen: 18.486 ng
RT: 21.607 min Scan# 3176
Delta R.T. -0.012 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

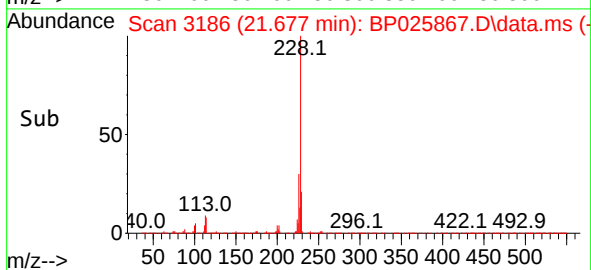
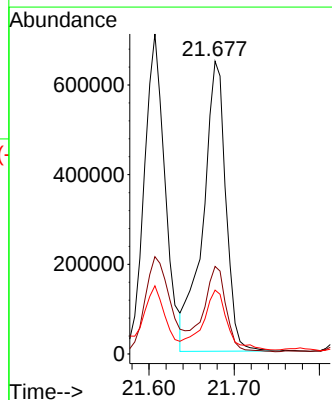
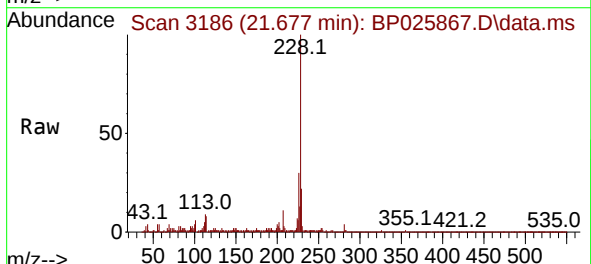
Instrument :
BNA_P
ClientSampleId :
RT4784

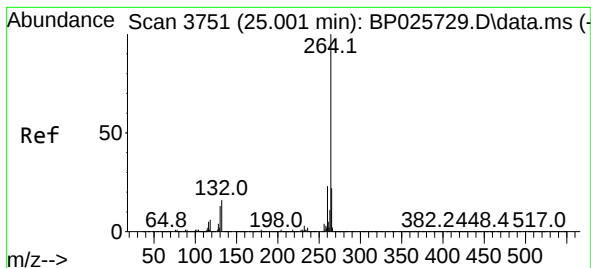
Tgt Ion:228 Resp: 1220878
Ion Ratio Lower Upper
228 100
226 30.4 21.6 32.4
229 21.3 15.7 23.5



#83
Chrysene
Concen: 19.136 ng
RT: 21.677 min Scan# 3186
Delta R.T. -0.012 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:228 Resp: 1204716
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

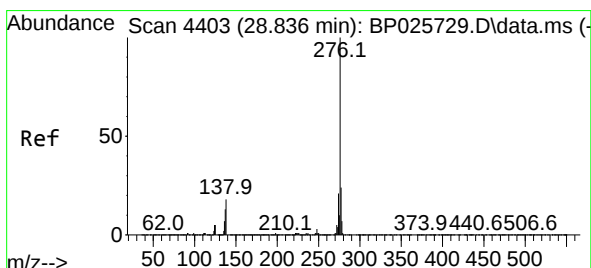
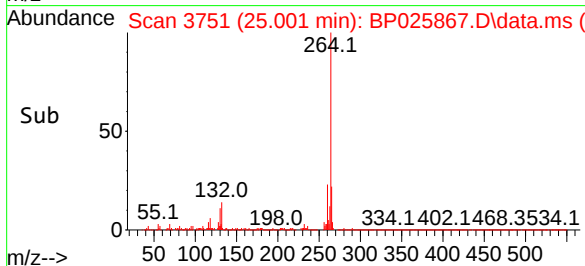
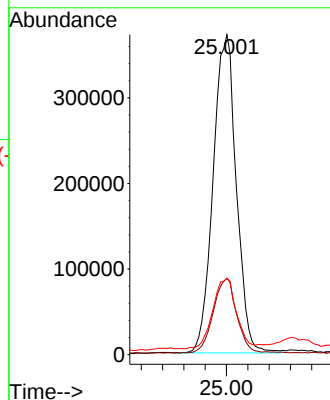
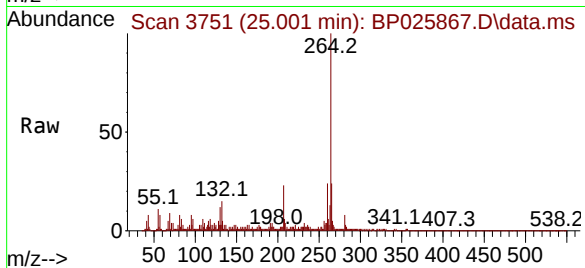
Tgt Ion:264 Resp: 1124463

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 23.9 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.114 ng

RT: 28.842 min Scan# 4404

Delta R.T. 0.006 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

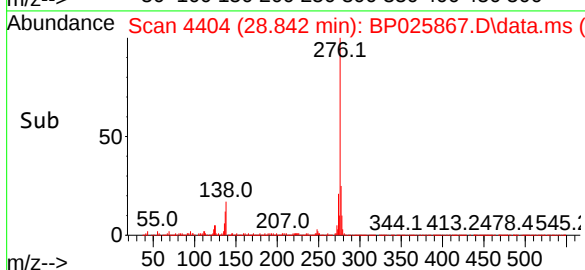
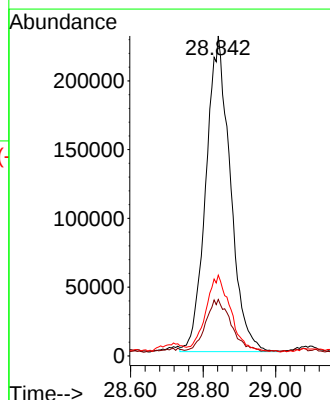
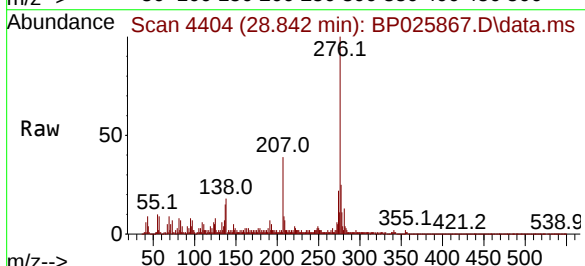
Tgt Ion:276 Resp: 1072361

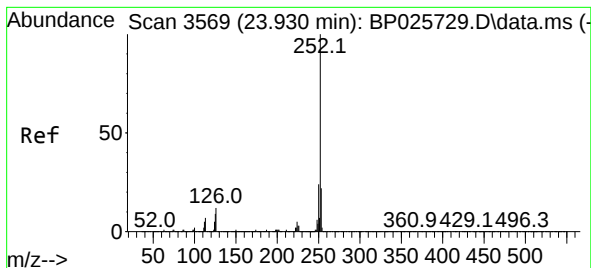
Ion Ratio Lower Upper

276 100

138 17.1 13.4 20.2

277 24.3 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 27.672 ng

RT: 23.930 min Scan# 3569

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

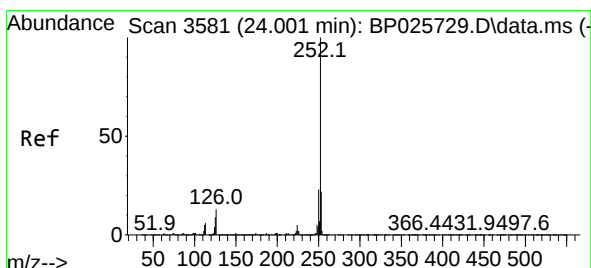
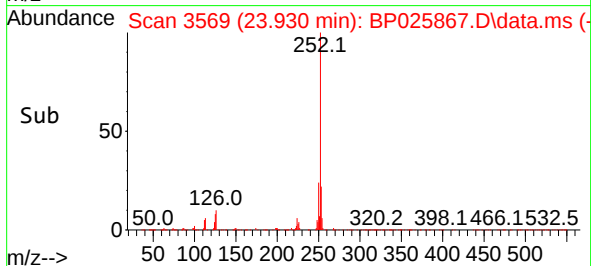
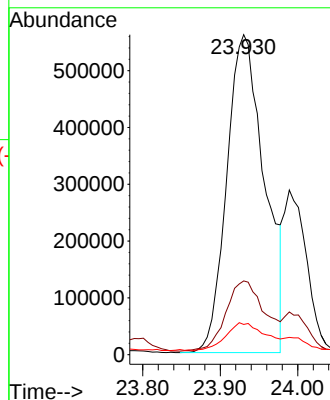
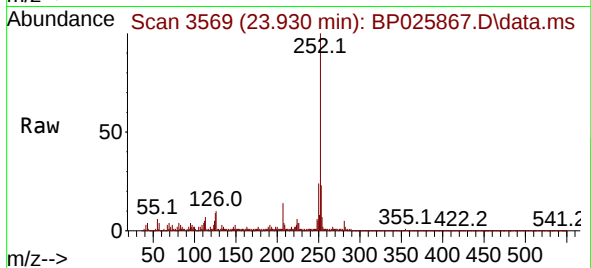
Tgt Ion:252 Resp: 1902798

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 9.4 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 27.118 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.071 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

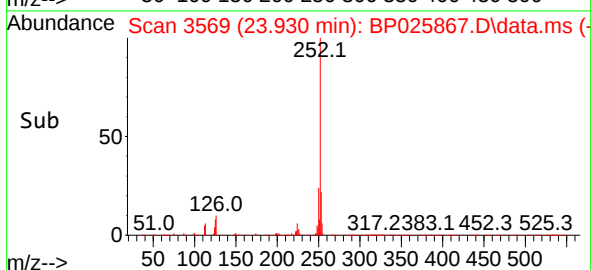
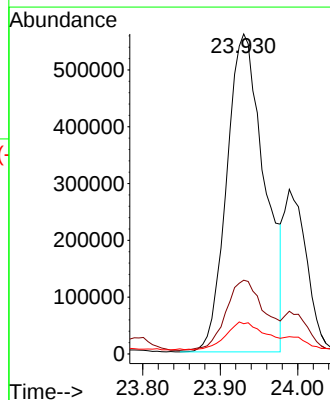
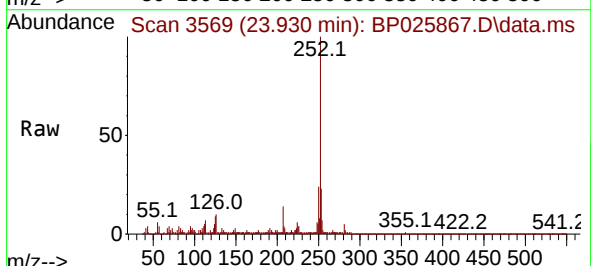
Tgt Ion:252 Resp: 1902798

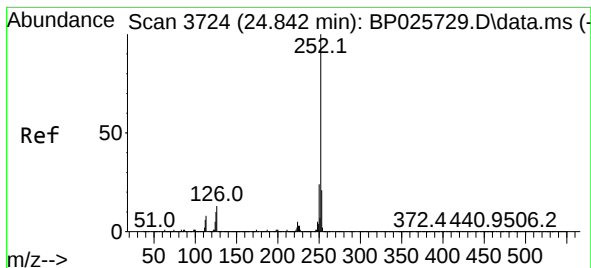
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 9.4 7.5 11.3





#90

Benzo(a)pyrene

Concen: 19.968 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

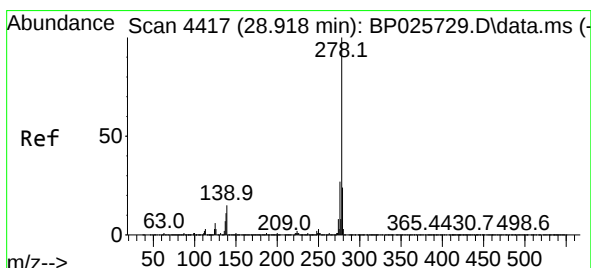
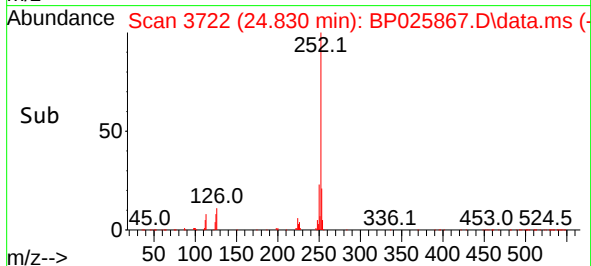
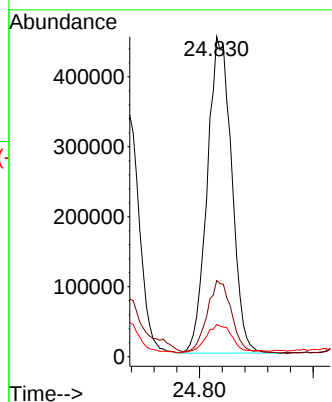
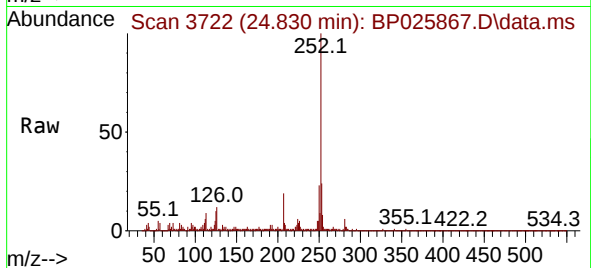
Tgt Ion:252 Resp: 1344634

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 10.1 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 3.884 ng

RT: 28.883 min Scan# 4411

Delta R.T. -0.035 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

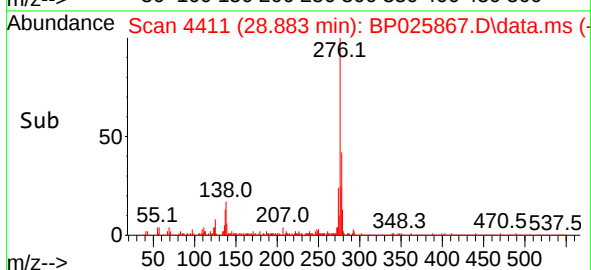
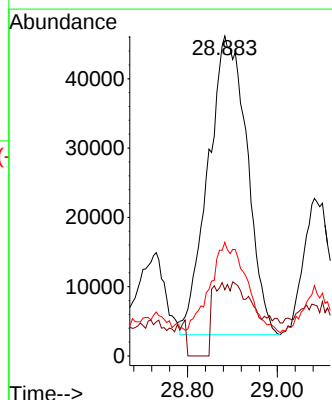
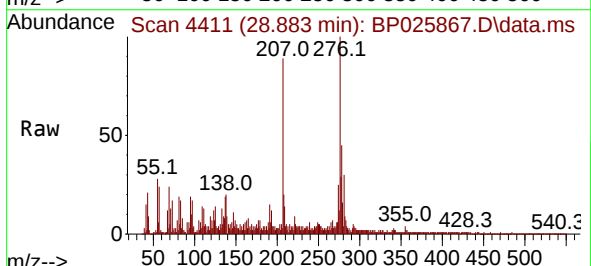
Tgt Ion:278 Resp: 259874

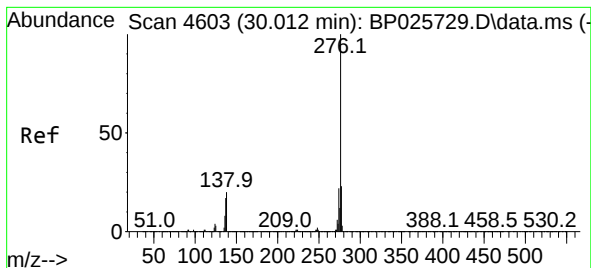
Ion Ratio Lower Upper

278 100

139 20.7 12.1 18.1#

279 35.5 19.6 29.4#





#92

Benzo(g,h,i)perylene

Concen: 15.502 ng

RT: 30.036 min Scan# 4

Delta R.T. 0.024 min

Lab File: BP025867.D

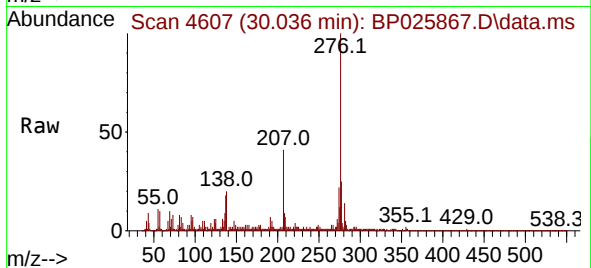
Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784



Tgt Ion:276 Resp: 1020177

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.7	28.1
138	19.8	16.0	24.0

