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 Data File : BP025819.D
 Acq On : 22 Sep 2025 19:12
 Operator : CG/JU
 Sample : Q3133-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 23 01:04:21 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

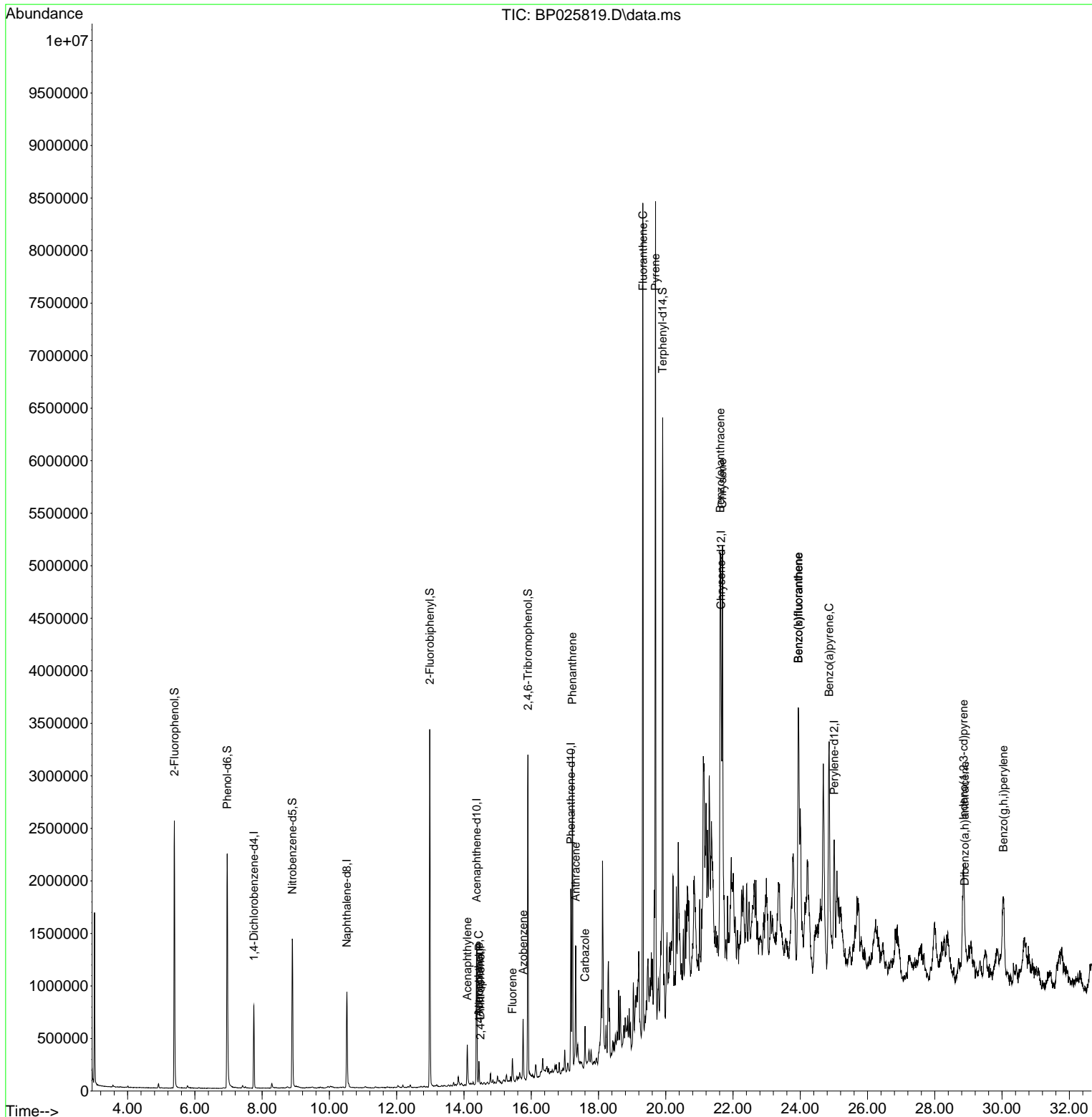
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.755	152	213622	20.000	ng	0.00	
21) Naphthalene-d8	10.519	136	835450	20.000	ng	0.00	
39) Acenaphthene-d10	14.378	164	528961	20.000	ng	0.00	
64) Phenanthrene-d10	17.178	188	1040228	20.000	ng	0.00	
76) Chrysene-d12	21.642	240	1018673	20.000	ng	0.00	
86) Perylene-d12	25.007	264	1183265	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.390	112	1132981	85.577	ng	0.00	
7) Phenol-d6	6.961	99	1477218	83.945	ng	0.01	
23) Nitrobenzene-d5	8.896	82	939259	49.592	ng	0.00	
42) 2,4,6-Tribromophenol	15.901	330	568563	86.175	ng	0.00	
45) 2-Fluorobiphenyl	12.984	172	1955810	49.232	ng	0.00	
79) Terphenyl-d14	19.907	244	2670167	47.155	ng	0.00	
Target Compounds							
49) Acenaphthylene	14.101	152	344016	6.792	ng		99
52) Acenaphthene	14.443	154	83951	2.874	ng		96
54) 2,4-Dinitrophenol	14.490	184	35	4.830	ng	#	1
56) 4-Nitrophenol	14.454	139	785	4.578	ng	#	72
58) Fluorene	15.443	166	125509	3.315	ng		97
63) Azobenzene	15.760	77	164258	4.147	ng	#	1
71) Phenanthrene	17.225	178	1966410	33.325	ng		99
72) Anthracene	17.325	178	750477	12.535	ng		99
73) Carbazole	17.601	167	242199	4.351	ng		98
75) Fluoranthene	19.319	202	4778888	67.528	ng		100
78) Pyrene	19.695	202	4544798	66.864	ng		99
81) Benzo(a)anthracene	21.619	228	2254269	32.324	ng		97
83) Chrysene	21.683	228	2445004	36.778	ng		98
87) Indeno(1,2,3-cd)pyrene	28.854	276	1667144	19.374	ng	#	82
88) Benzo(b)fluoranthene	23.942	252	3112762	43.018	ng		99
89) Benzo(k)fluoranthene	23.942	252	3112762	42.157	ng		98
90) Benzo(a)pyrene	24.860	252	2344998	33.093	ng		97
91) Dibenzo(a,h)anthracene	28.895	278	410626	5.831	ng	#	91
92) Benzo(g,h,i)perylene	30.036	276	1650833	23.839	ng		97

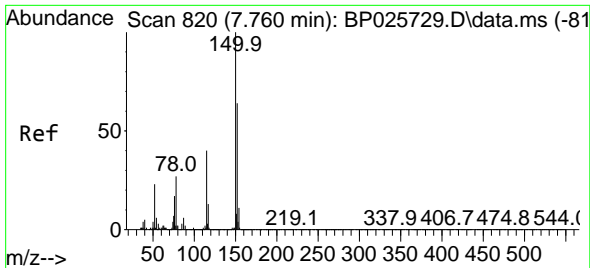
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 23 01:04:21 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

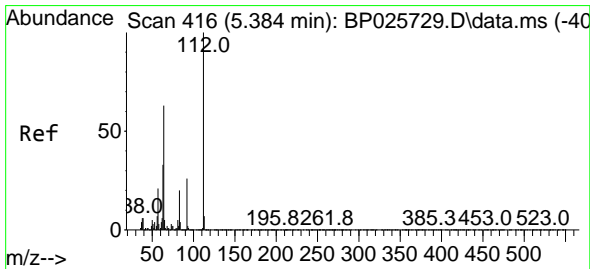
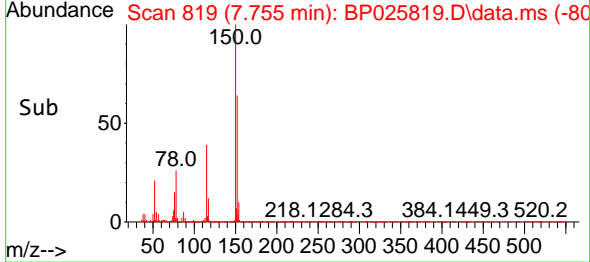
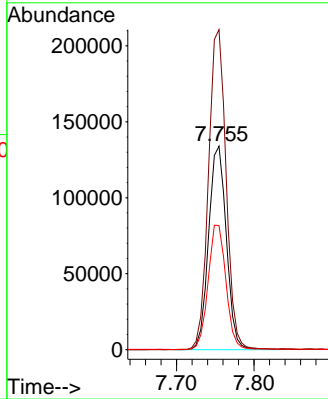
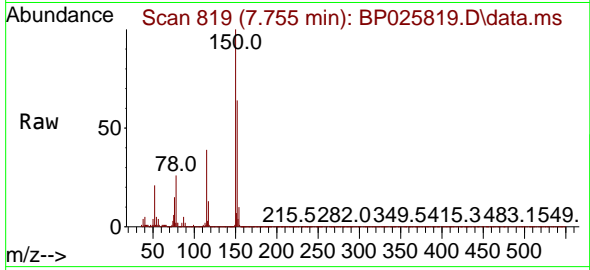




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.755 min Scan# 819
 Delta R.T. -0.005 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

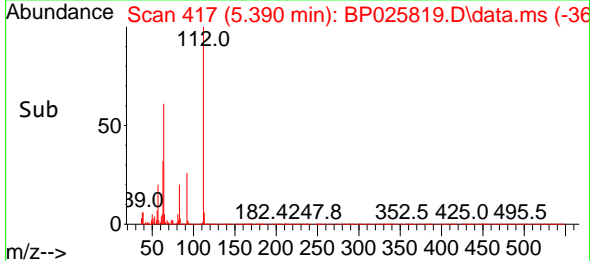
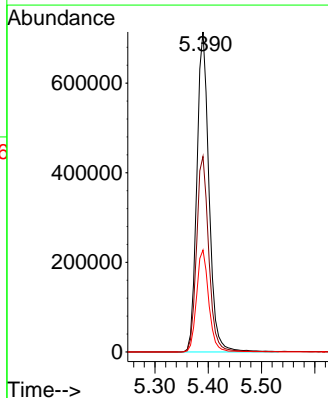
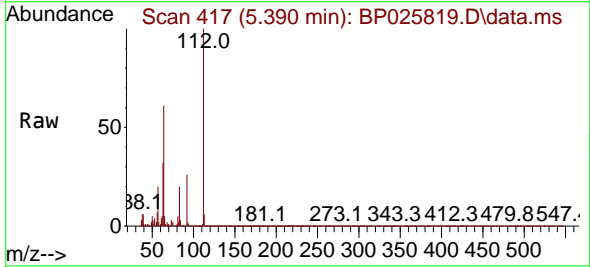
Instrument :
 BNA_P
 ClientSampleId :

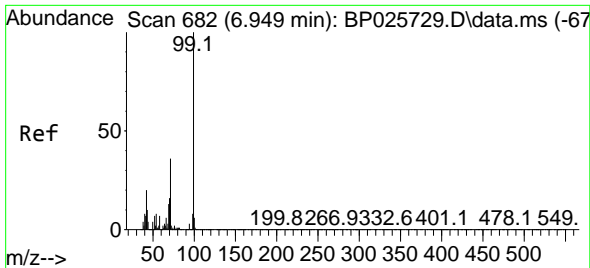
Tgt Ion:152 Resp: 213622
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.3 186.5
 115 61.0 50.3 75.5



#5
 2-Fluorophenol
 Concen: 85.577 ng
 RT: 5.390 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

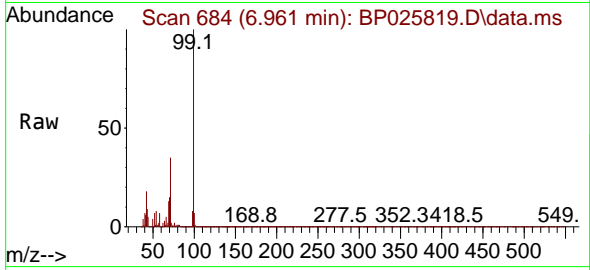
Tgt Ion:112 Resp: 1132981
 Ion Ratio Lower Upper
 112 100
 64 61.1 50.2 75.4
 63 31.8 26.7 40.1



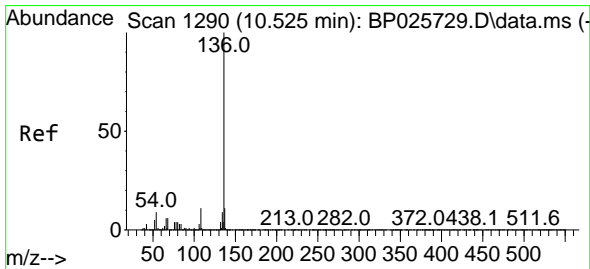
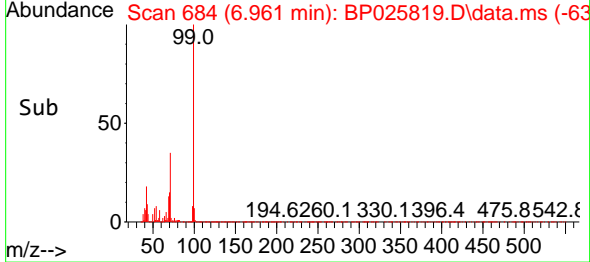
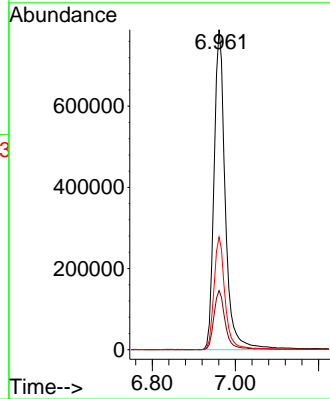


#7
 Phenol-d6
 Concen: 83.945 ng
 RT: 6.961 min Scan# 61
 Delta R.T. 0.012 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

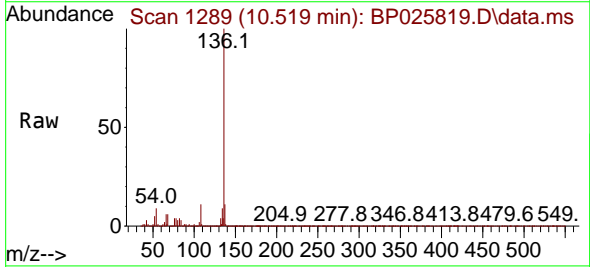
Instrument :
 BNA_P
 ClientSampleId :



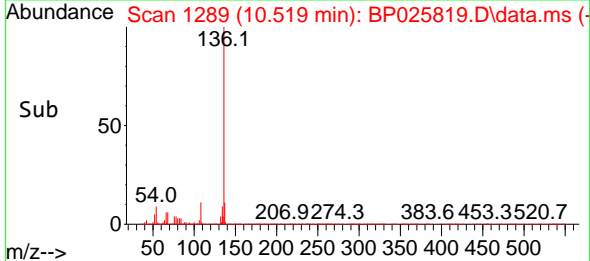
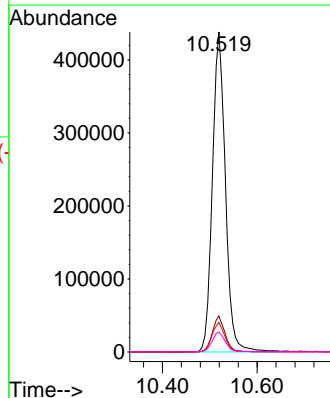
Tgt Ion: 99 Resp: 1477218
 Ion Ratio Lower Upper
 99 100
 42 18.4 15.6 23.4
 71 35.2 28.6 43.0

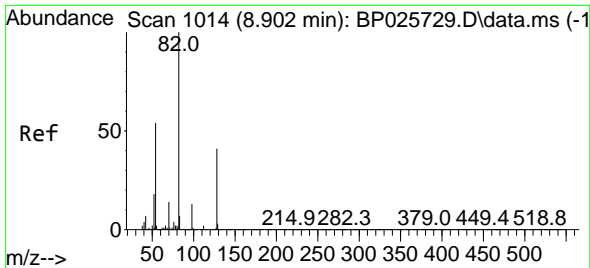


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.519 min Scan# 1289
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12



Tgt Ion: 136 Resp: 835450
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.7 13.1
 54 9.2 7.5 11.3
 68 6.2 5.0 7.6



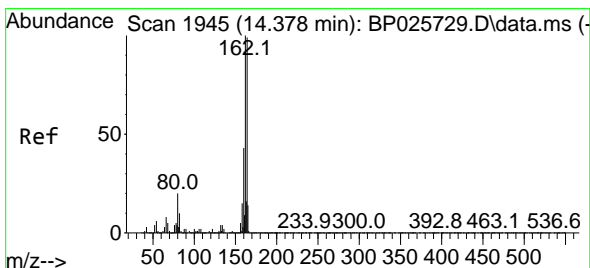
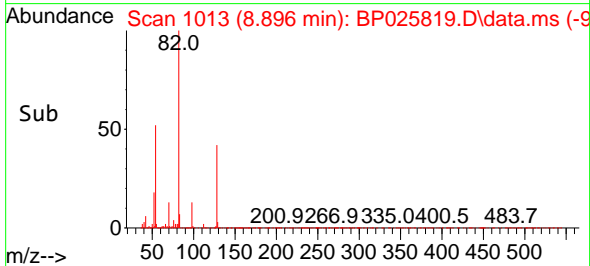
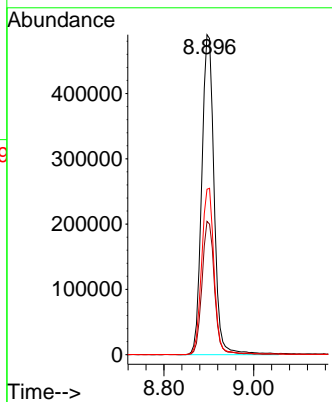
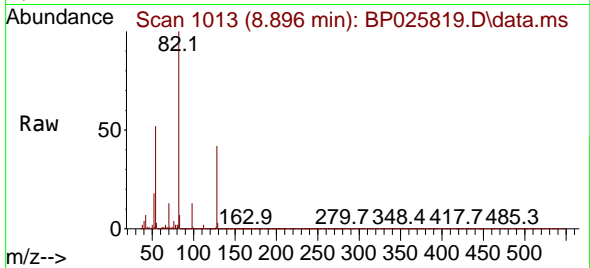


#23
 Nitrobenzene-d5
 Concen: 49.592 ng
 RT: 8.896 min Scan# 1014
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion: 82 Resp: 939259

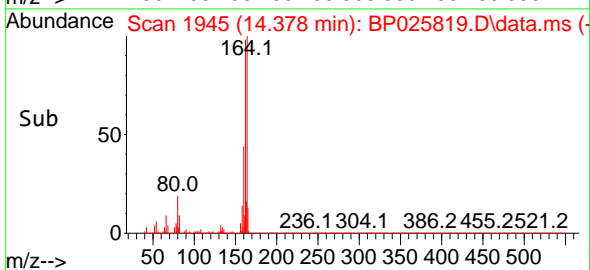
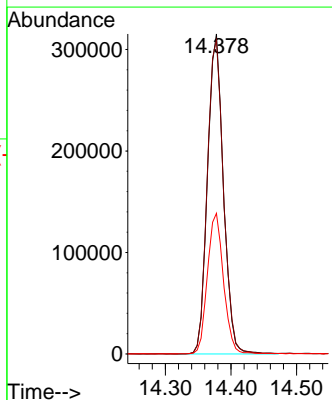
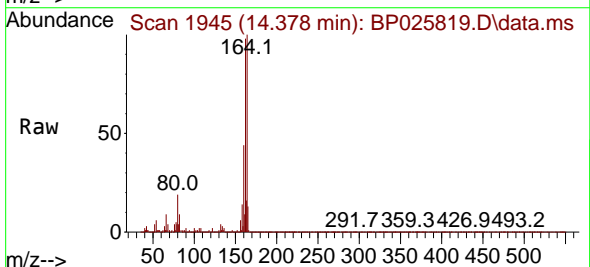
Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.9	49.3
54	51.7	43.4	65.2

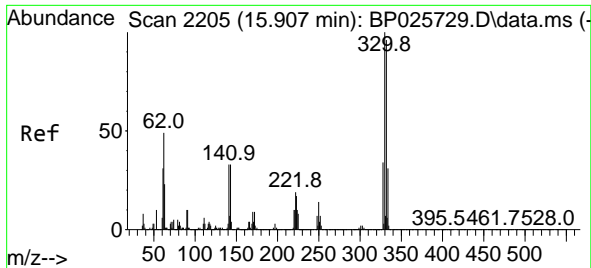


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.378 min Scan# 1945
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion: 164 Resp: 528961

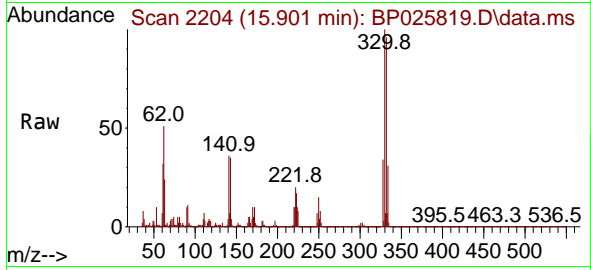
Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.6	120.8
160	44.0	35.0	52.6



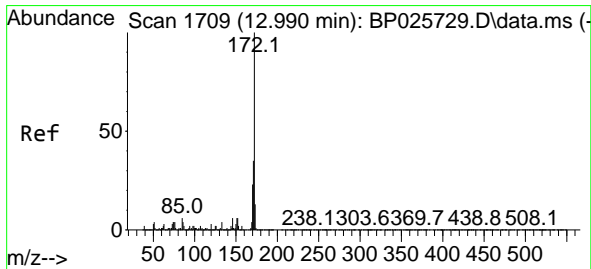
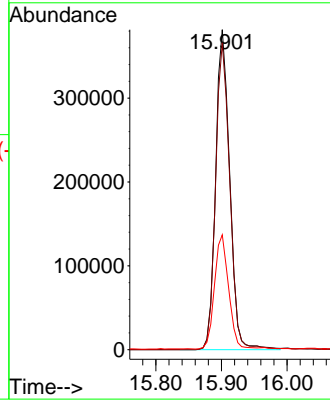
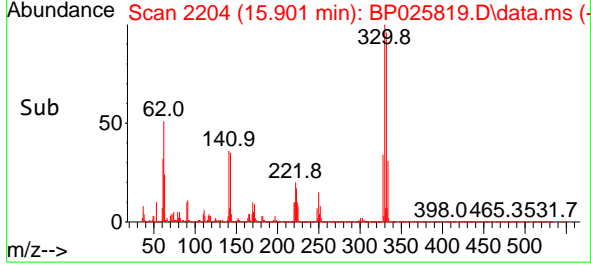


#42
 2,4,6-Tribromophenol
 Concen: 86.175 ng
 RT: 15.901 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

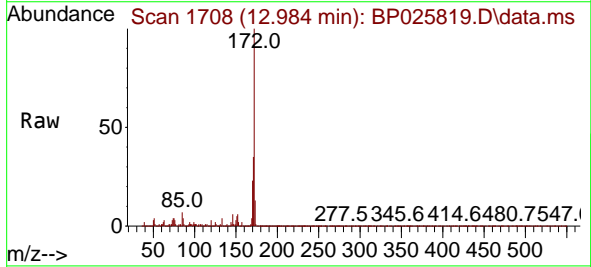
Instrument :
 BNA_P
 ClientSampleId :



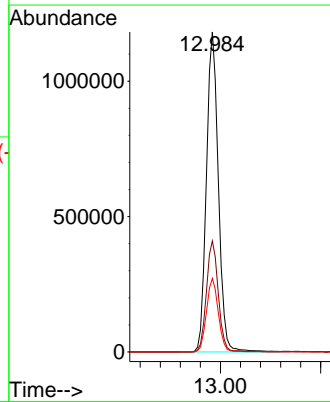
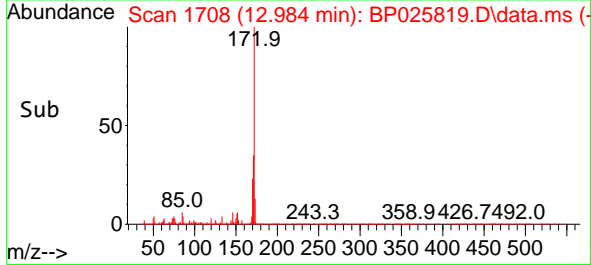
Tgt Ion:330 Resp: 568563
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.9 115.3
 141 36.3 31.0 46.4

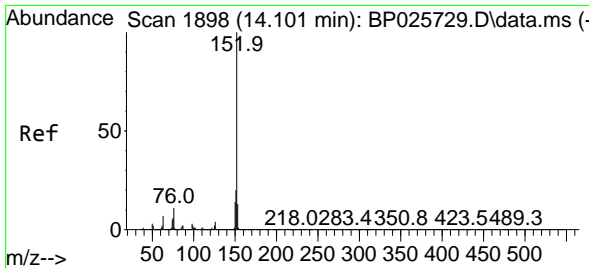


#45
 2-Fluorobiphenyl
 Concen: 49.232 ng
 RT: 12.984 min Scan# 1708
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12



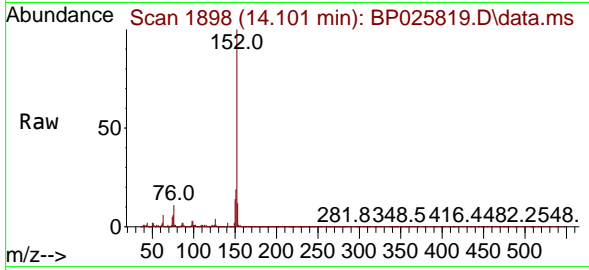
Tgt Ion:172 Resp: 1955810
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.8 41.6
 170 23.0 18.6 27.8





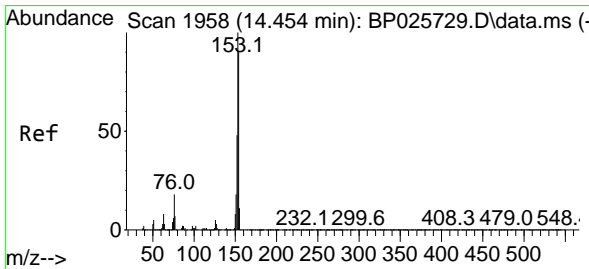
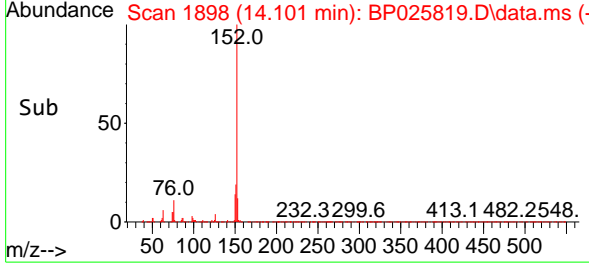
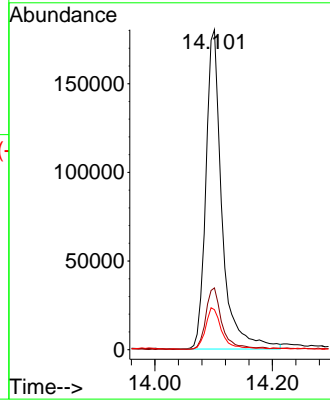
#49
 Acenaphthylene
 Concen: 6.792 ng
 RT: 14.101 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument : BNA_P
 ClientSampleId :



Tgt Ion:152 Resp: 344016

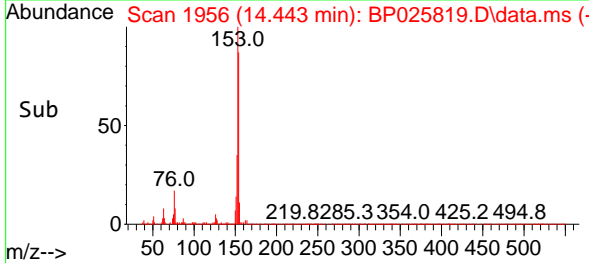
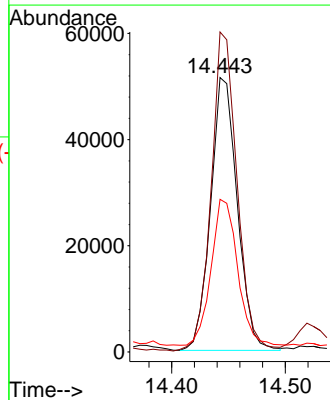
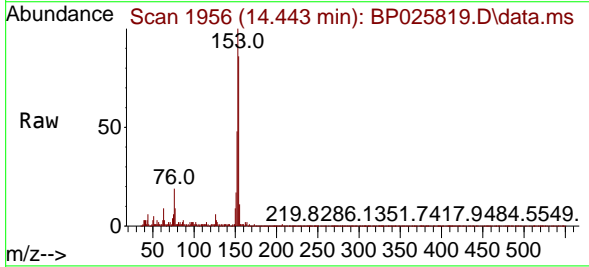
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	12.5	10.5	15.7

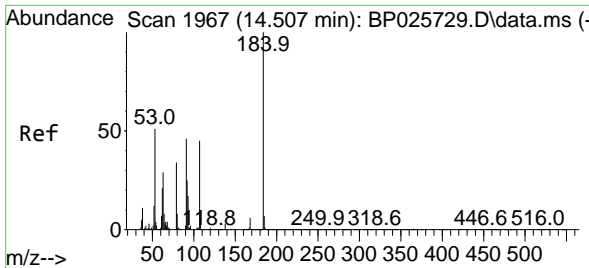


#52
 Acenaphthene
 Concen: 2.874 ng
 RT: 14.443 min Scan# 1956
 Delta R.T. -0.012 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion:154 Resp: 83951

Ion	Ratio	Lower	Upper
154	100		
153	116.6	89.4	134.0
152	55.6	42.5	63.7

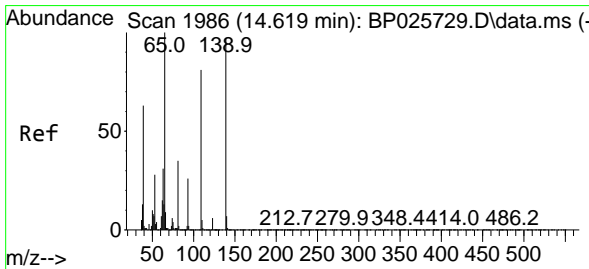
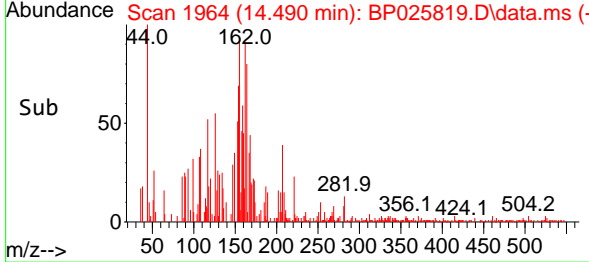
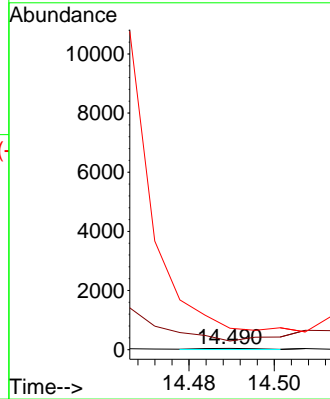
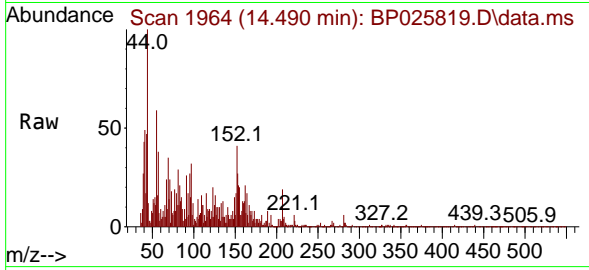




#54
 2,4-Dinitrophenol
 Concen: 4.830 ng
 RT: 14.490 min Scan# 1964
 Delta R.T. -0.017 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

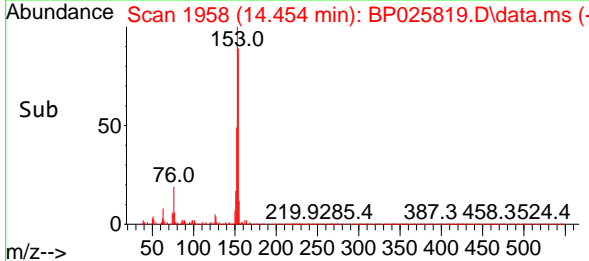
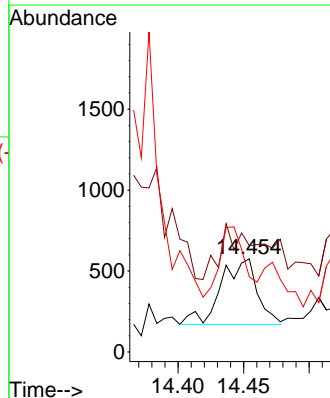
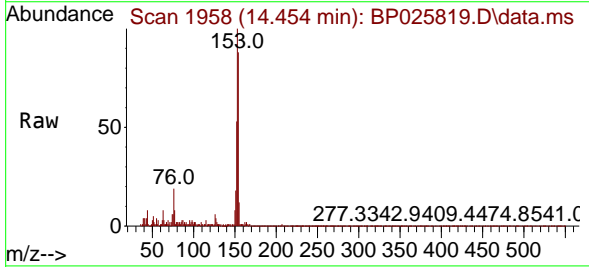
Instrument :
 BNA_P
 ClientSampleId :

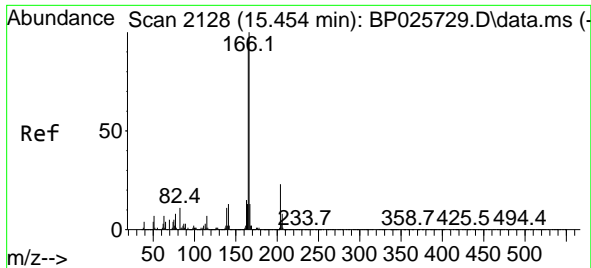
Tgt Ion	Resp	Lower	Upper
184	100		
63	707.3	52.5	78.7#
154	1763.4	51.5	77.3#



#56
 4-Nitrophenol
 Concen: 4.578 ng
 RT: 14.454 min Scan# 1958
 Delta R.T. -0.165 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion	Resp	Lower	Upper
139	100		
109	114.1	62.9	102.9#
65	80.6	83.4	123.4#

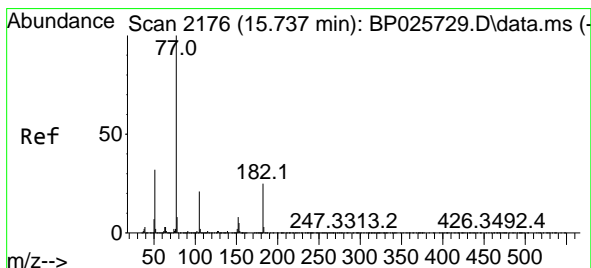
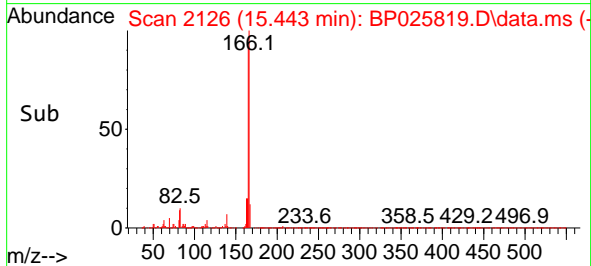
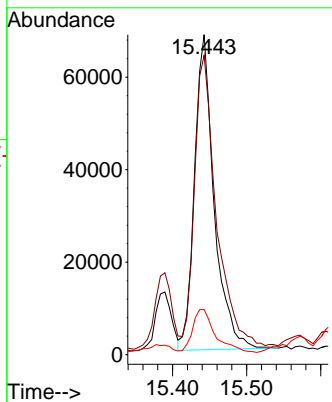
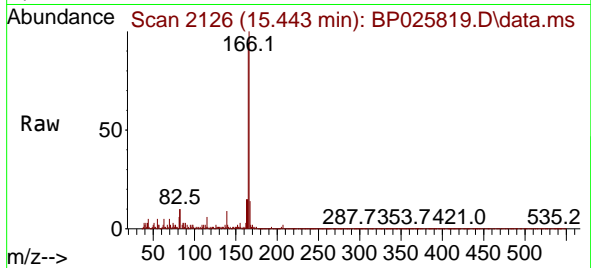




#58
 Fluorene
 Concen: 3.315 ng
 RT: 15.443 min Scan# 2126
 Delta R.T. -0.012 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

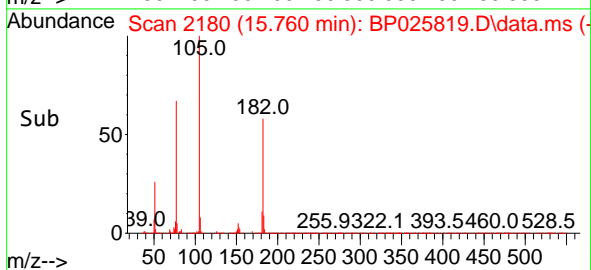
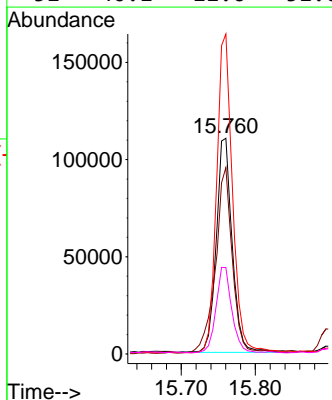
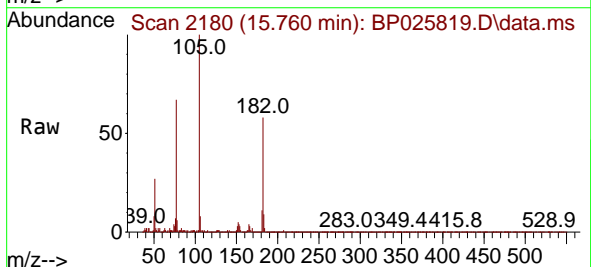
Instrument :
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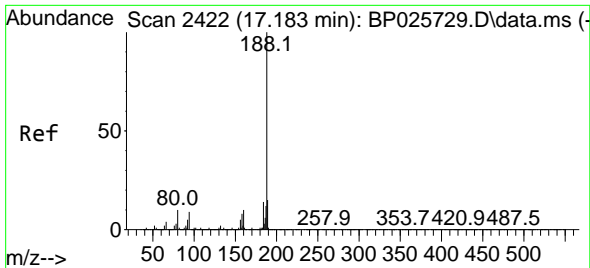
Tgt Ion:166 Resp: 125509
 Ion Ratio Lower Upper
 166 100
 165 93.6 77.7 116.5
 167 14.1 10.6 16.0



#63
 Azobenzene
 Concen: 4.147 ng
 RT: 15.760 min Scan# 2180
 Delta R.T. 0.024 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion: 77 Resp: 164258
 Ion Ratio Lower Upper
 77 100
 182 86.4 5.2 45.2#
 105 148.3 1.1 41.1#
 51 40.1 11.6 51.6



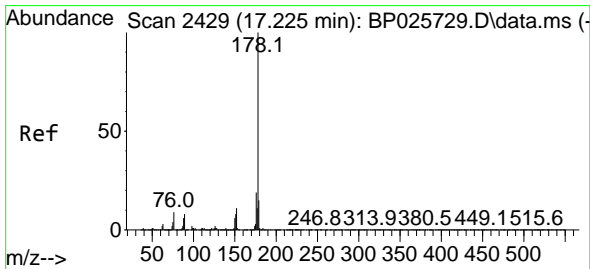
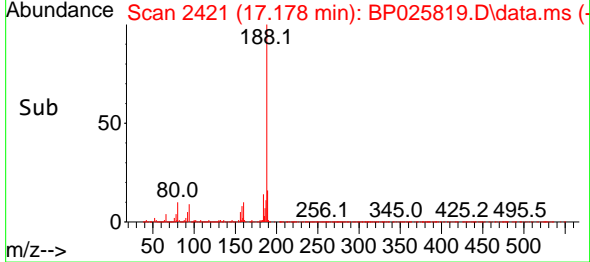
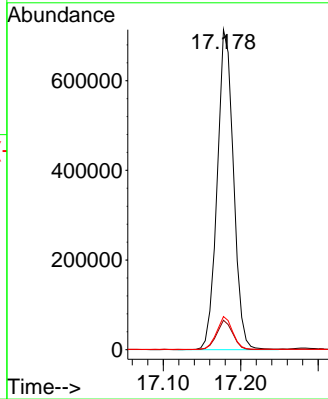
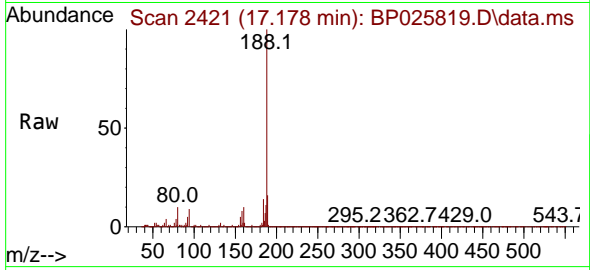


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.178 min Scan# 2421
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:188 Resp: 1040228

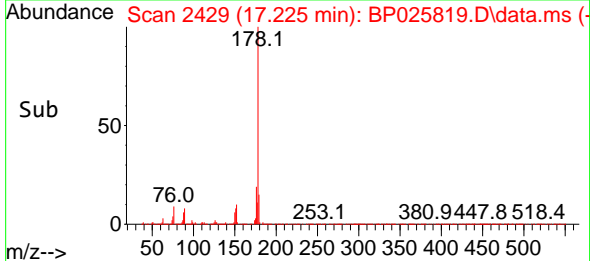
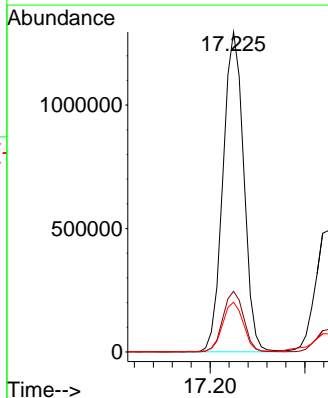
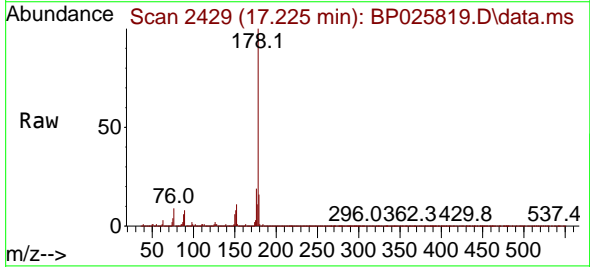
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.0
80	10.4	7.7	11.5

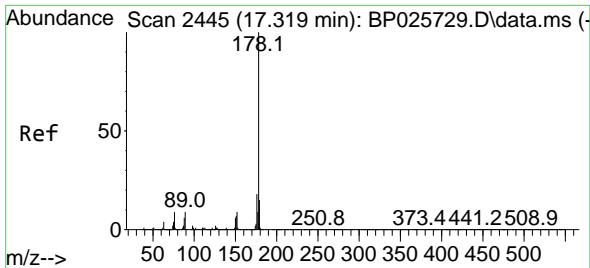


#71
 Phenanthrene
 Concen: 33.325 ng
 RT: 17.225 min Scan# 2429
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion:178 Resp: 1966410

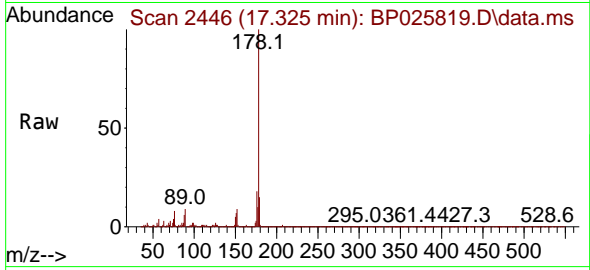
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.6	12.2	18.4



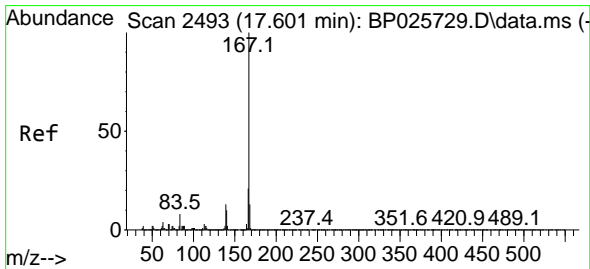
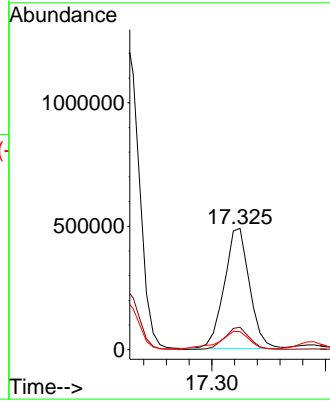
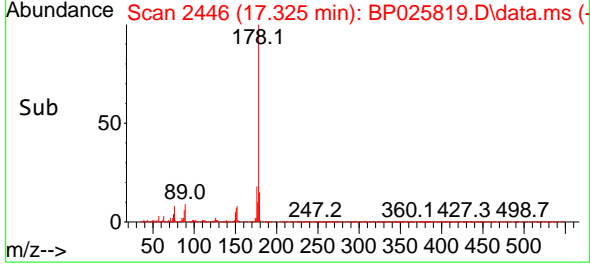


#72
 Anthracene
 Concen: 12.535 ng
 RT: 17.325 min Scan# 2445
 Delta R.T. 0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

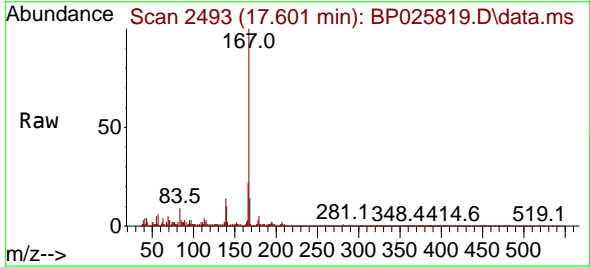
Instrument :
 BNA_P
 ClientSampleId :



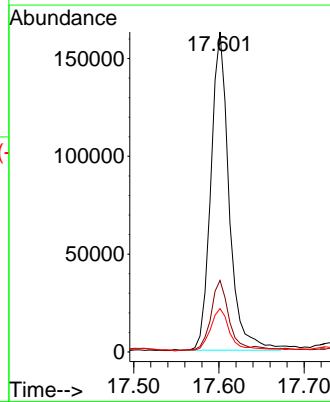
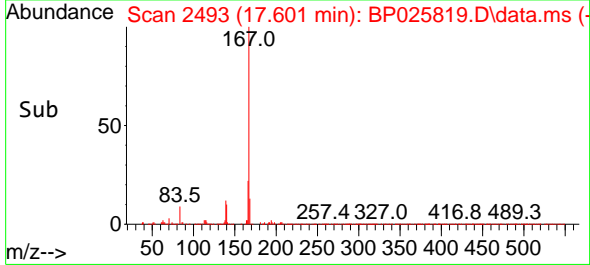
Tgt Ion:178 Resp: 750477
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 14.9 12.2 18.4

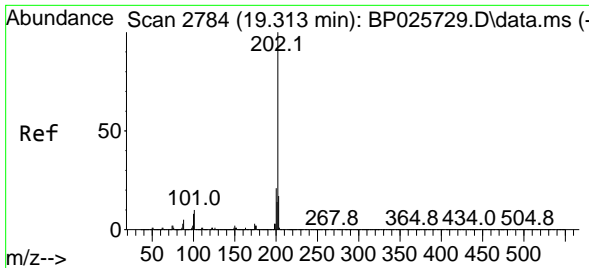


#73
 Carbazole
 Concen: 4.351 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12



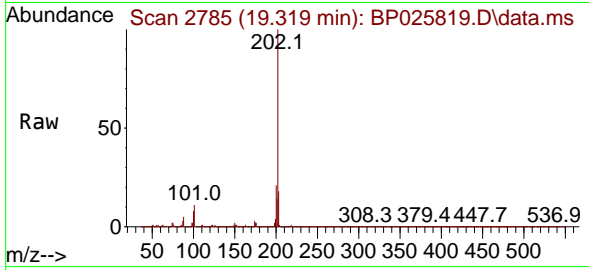
Tgt Ion:167 Resp: 242199
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.4
 139 13.6 10.6 16.0



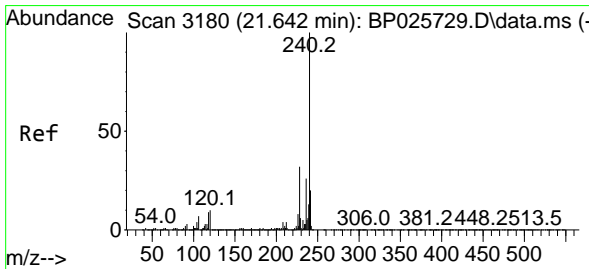
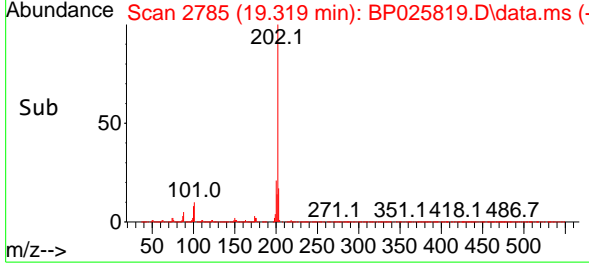
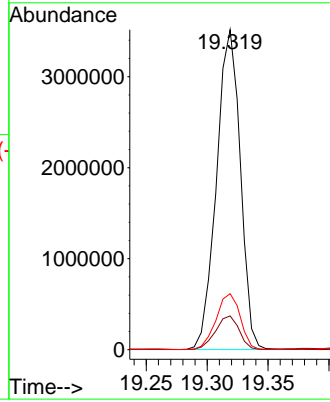


#75
 Fluoranthene
 Concen: 67.528 ng
 RT: 19.319 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument :
 BNA_P
 ClientSampleId :

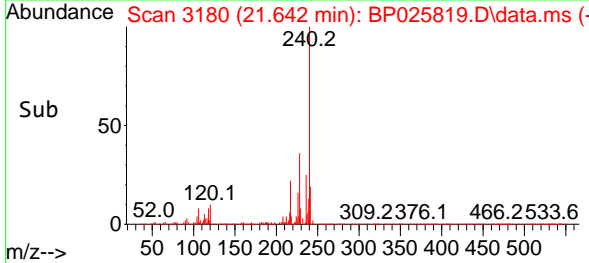
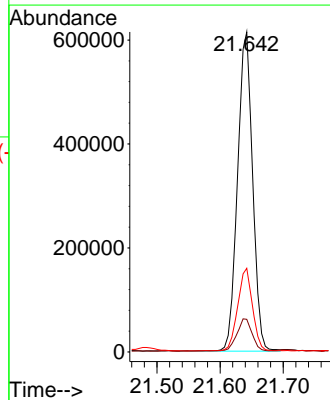
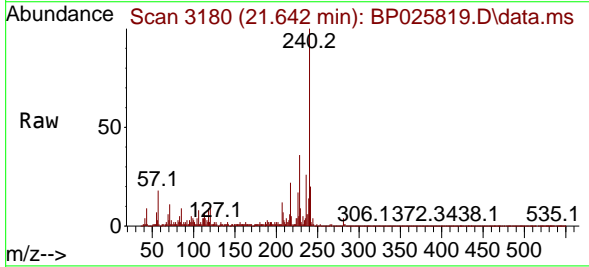


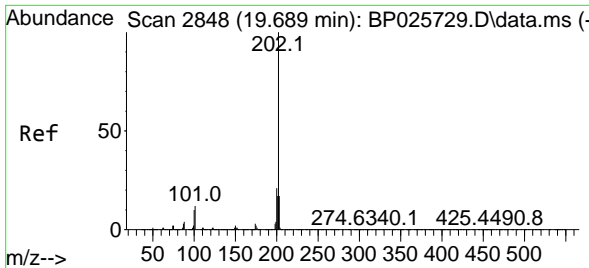
Tgt Ion: 202 Resp: 4778888
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.4
 203 17.5 0.0 37.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.642 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion: 240 Resp: 1018673
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.0 12.0
 236 26.1 20.7 31.1



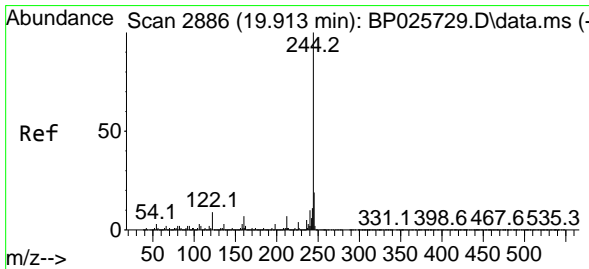
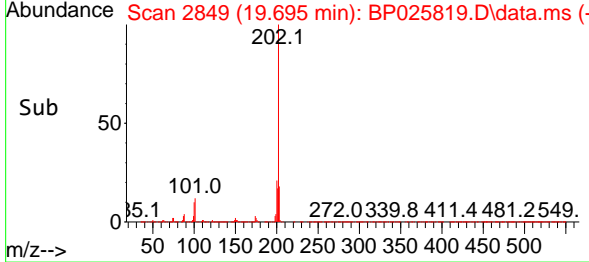
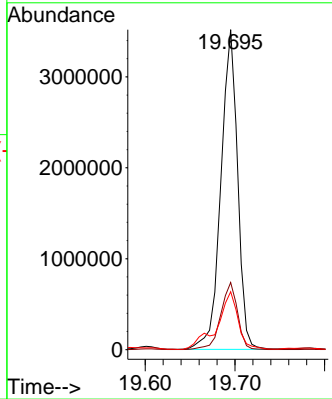
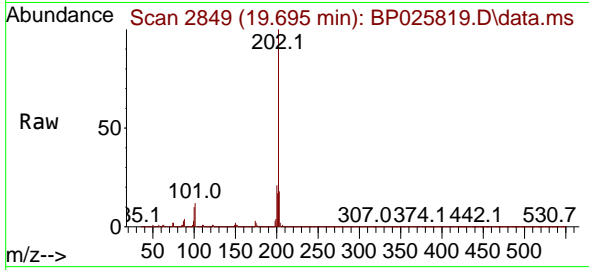


#78
 Pyrene
 Concen: 66.864 ng
 RT: 19.695 min Scan# 2849
 Delta R.T. 0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument : BNA_P
 ClientSampleId :

Tgt Ion: 202 Resp: 4544798

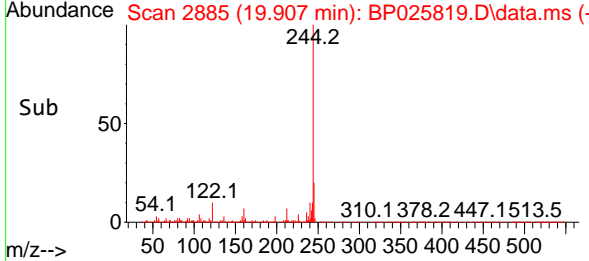
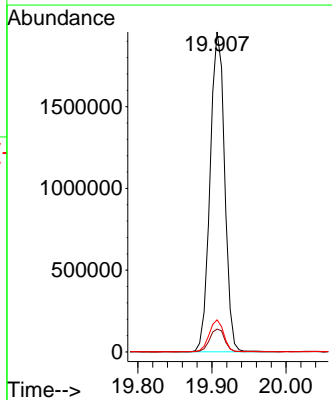
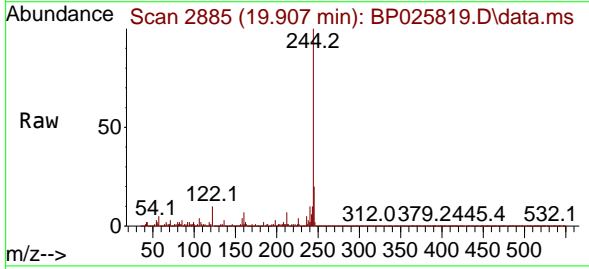
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	18.1	13.9	20.9

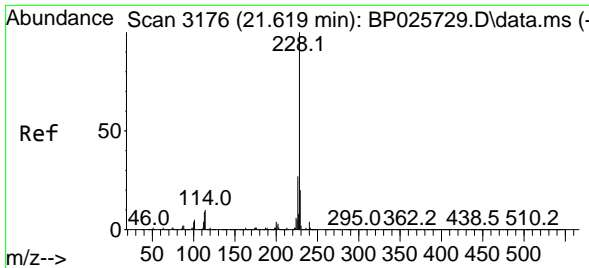


#79
 Terphenyl-d14
 Concen: 47.155 ng
 RT: 19.907 min Scan# 2885
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion: 244 Resp: 2670167

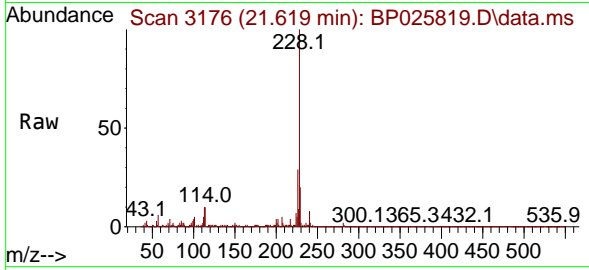
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.1	7.1	10.7



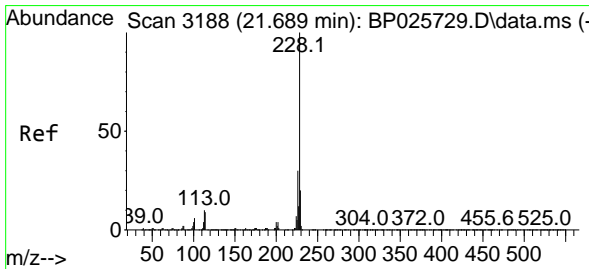
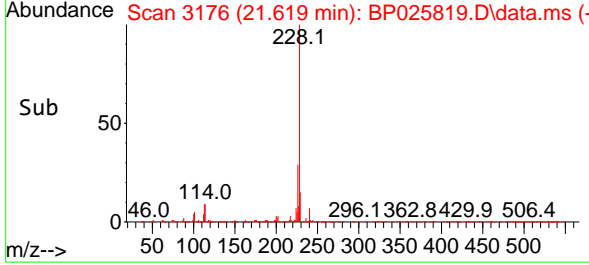
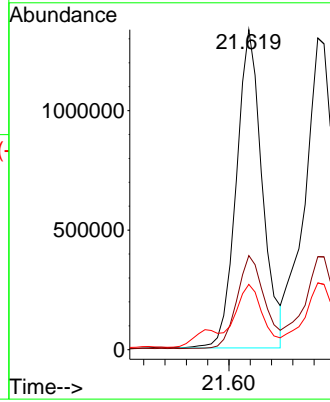


#81
 Benzo(a)anthracene
 Concen: 32.324 ng
 RT: 21.619 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument : BNA_P
 ClientSampleId :

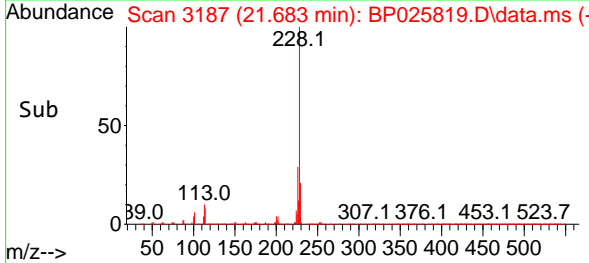
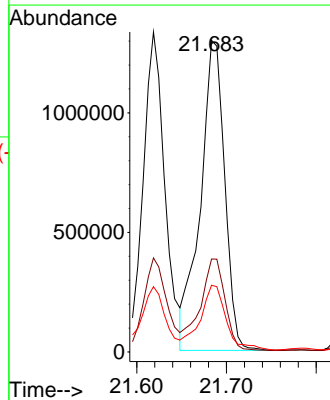
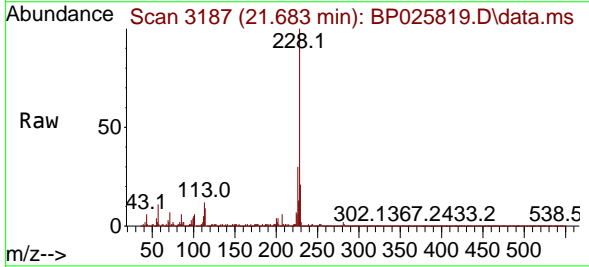


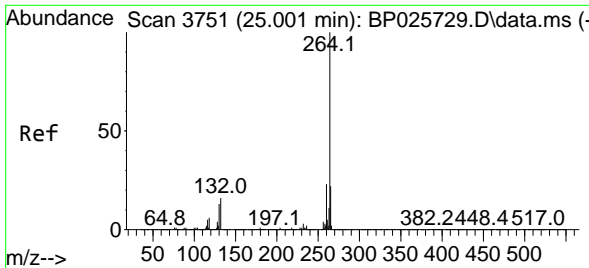
Tgt Ion:228 Resp: 2254269
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 20.4 15.7 23.5



#83
 Chrysene
 Concen: 36.778 ng
 RT: 21.683 min Scan# 3187
 Delta R.T. -0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion:228 Resp: 2445004
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.8 35.6
 229 21.4 15.6 23.4

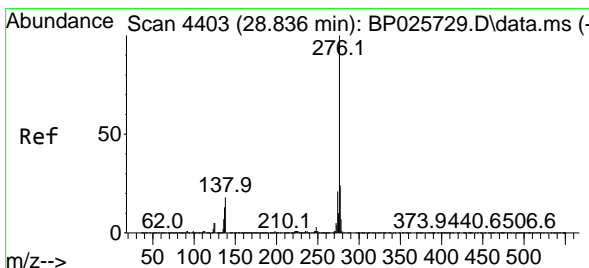
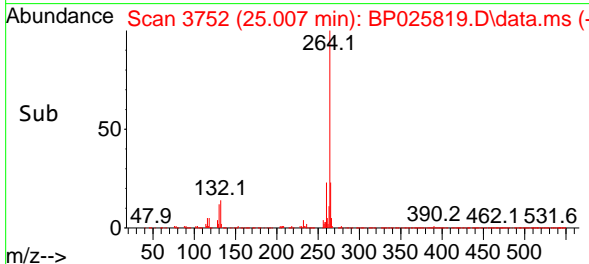
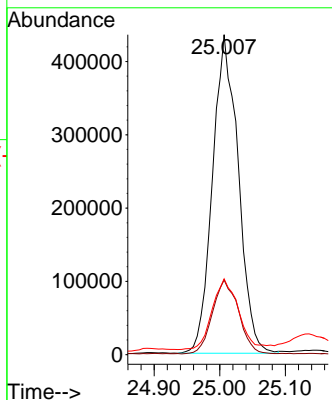
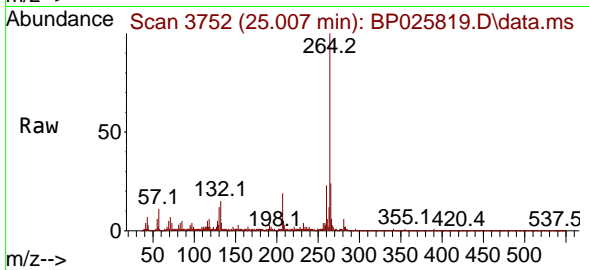




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.007 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

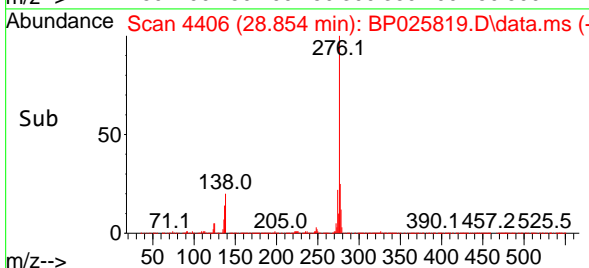
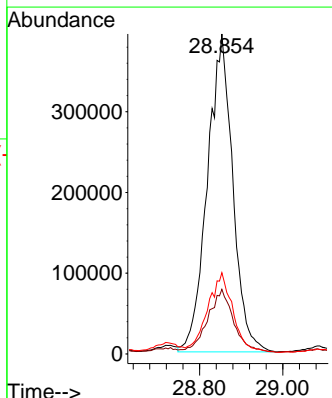
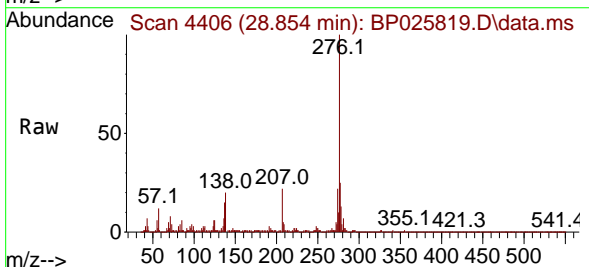
Instrument :
 BNA_P
 ClientSampleId :

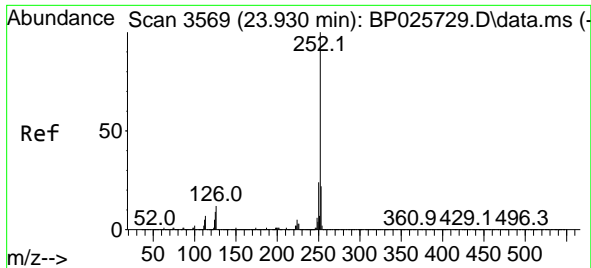
Tgt Ion:264 Resp: 1183265
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.3 27.5
 265 23.7 17.3 25.9



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.374 ng
 RT: 28.854 min Scan# 4406
 Delta R.T. 0.018 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

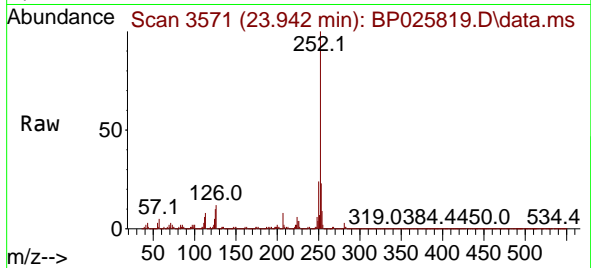
Tgt Ion:276 Resp: 1667144
 Ion Ratio Lower Upper
 276 100
 138 19.7 13.4 20.2
 277 24.9 9.1 13.7#



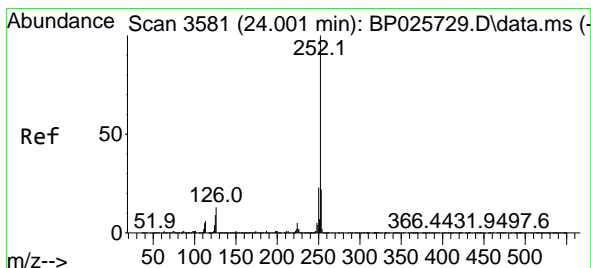
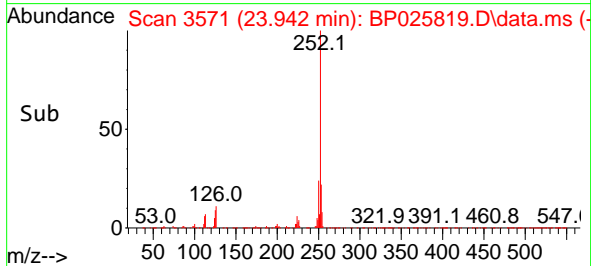
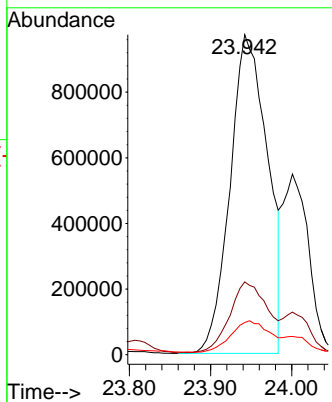


#88
 Benzo(b)fluoranthene
 Concen: 43.018 ng
 RT: 23.942 min Scan# 3571
 Delta R.T. 0.012 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument :
 BNA_P
 ClientSampleId :

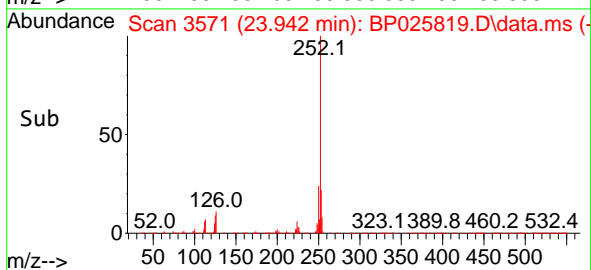
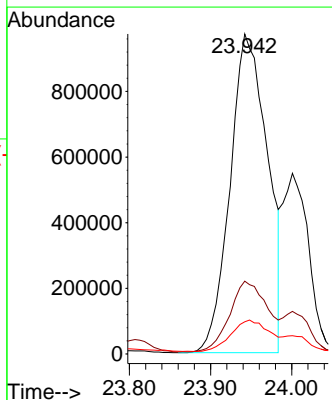
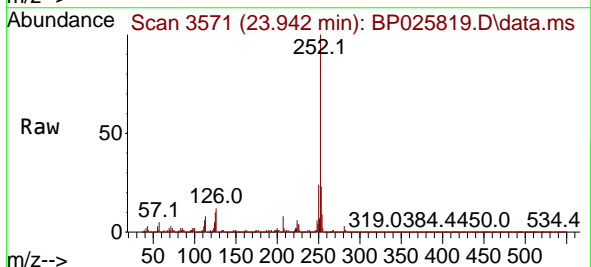


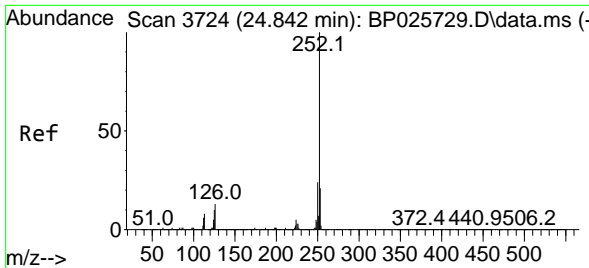
Tgt Ion:252 Resp: 3112762
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.9 26.9
 125 10.1 7.3 10.9



#89
 Benzo(k)fluoranthene
 Concen: 42.157 ng
 RT: 23.942 min Scan# 3571
 Delta R.T. -0.059 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

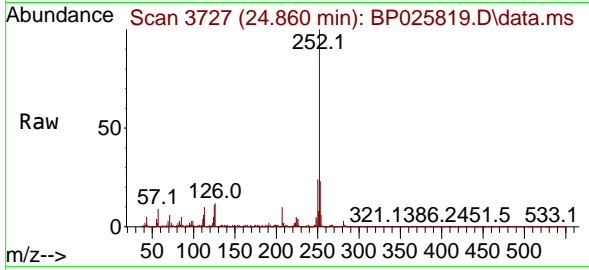
Tgt Ion:252 Resp: 3112762
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 10.1 7.5 11.3



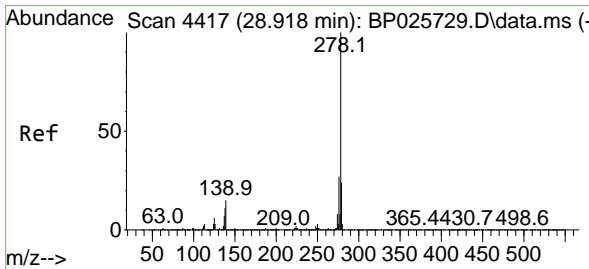
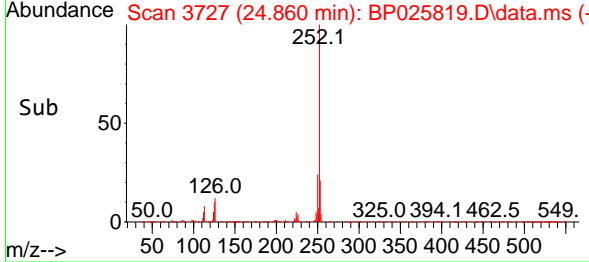
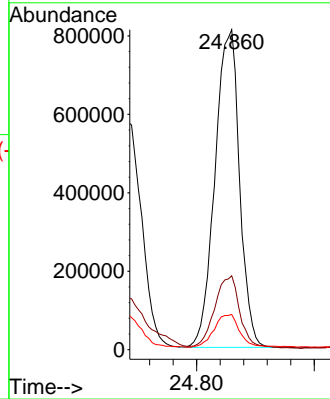


#90
 Benzo(a)pyrene
 Concen: 33.093 ng
 RT: 24.860 min Scan# 31
 Delta R.T. 0.018 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument :
 BNA_P
 ClientSampleId :

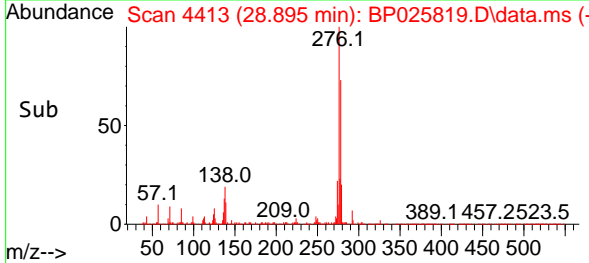
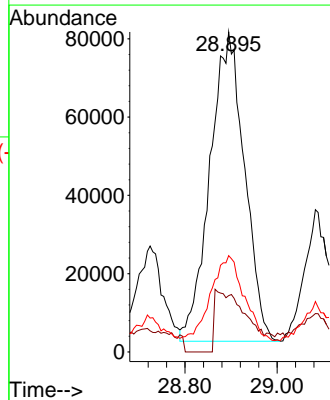
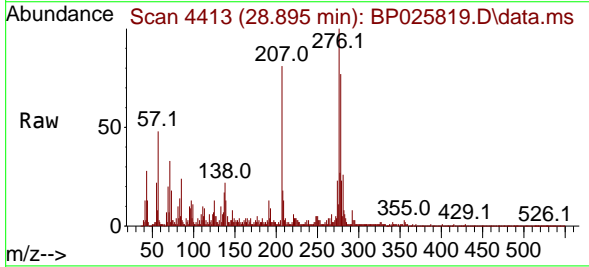


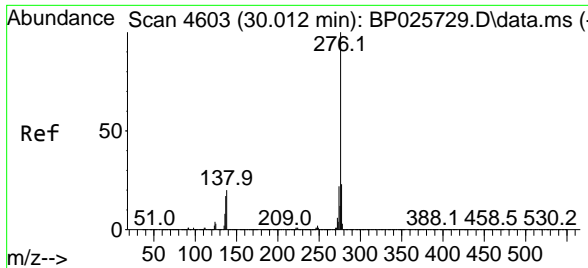
Tgt Ion:252 Resp: 2344998
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.2 25.8
 125 11.0 8.3 12.5



#91
 Dibenzo(a,h)anthracene
 Concen: 5.831 ng
 RT: 28.895 min Scan# 4413
 Delta R.T. -0.023 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

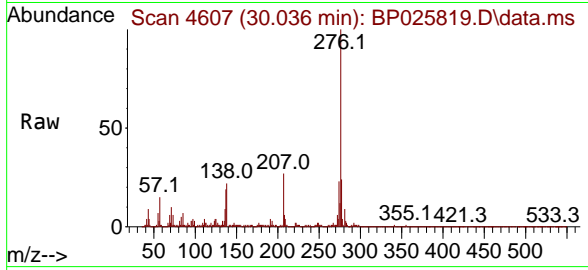
Tgt Ion:278 Resp: 410626
 Ion Ratio Lower Upper
 278 100
 139 17.6 12.1 18.1
 279 30.1 19.6 29.4#





#92
 Benzo(g,h,i)perylene
 Concen: 23.839 ng
 RT: 30.036 min Scan# 4
 Delta R.T. 0.024 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion: 276 Resp: 1650833

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.7	28.1
138	22.2	16.0	24.0

