

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025820.D
 Acq On : 22 Sep 2025 19:53
 Operator : CG/JU
 Sample : Q3140-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 23 01:05:00 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)

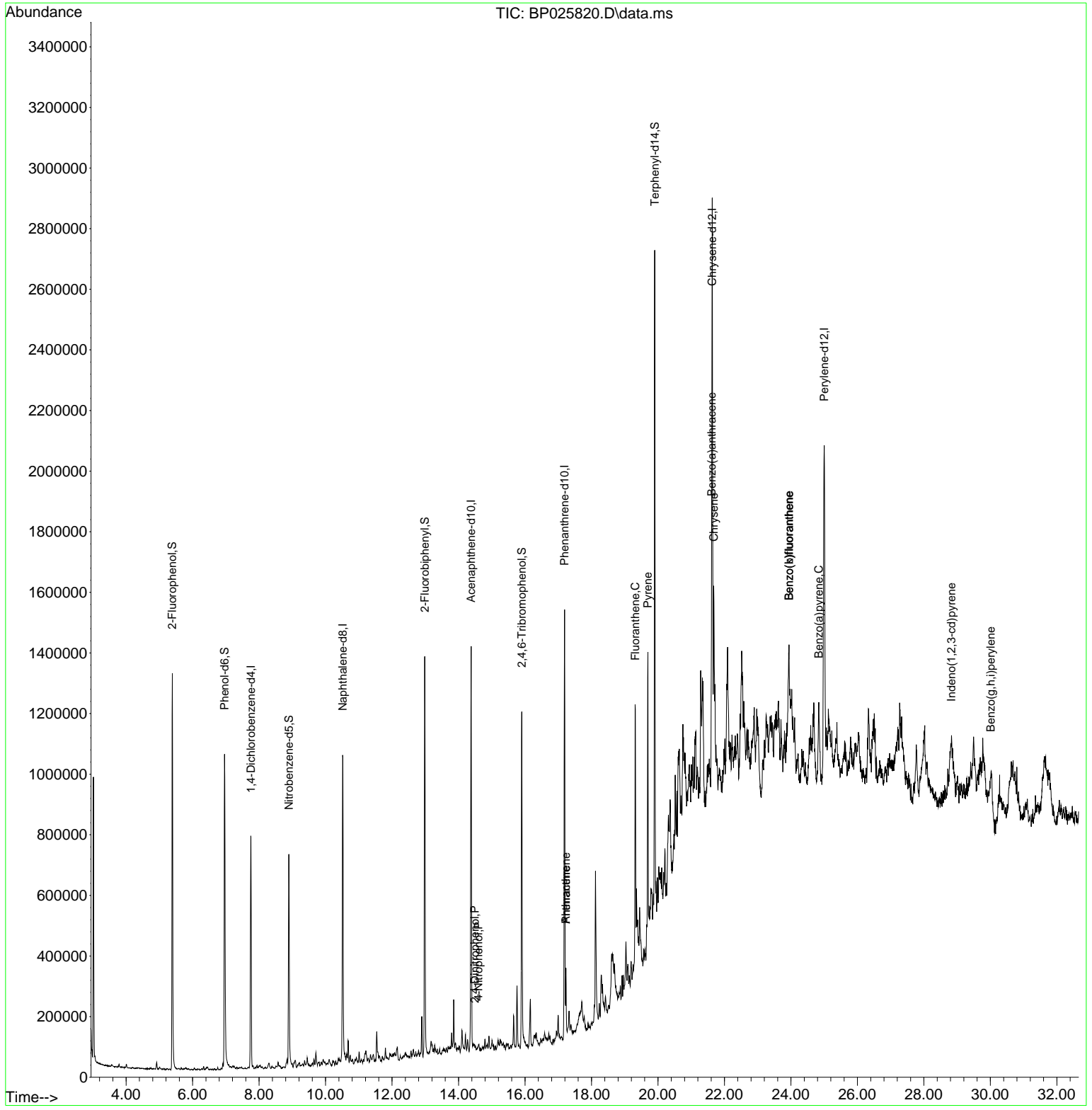
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	223533	20.000	ng	0.00
21) Naphthalene-d8	10.513	136	838434	20.000	ng	-0.01
39) Acenaphthene-d10	14.378	164	492701	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	897117	20.000	ng	0.00
76) Chrysene-d12	21.630	240	960777	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1113424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	575754	41.560	ng	0.00
7) Phenol-d6	6.960	99	706247	38.354	ng	0.01
23) Nitrobenzene-d5	8.896	82	442699	23.291	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	234923	38.227	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	805157	21.759	ng	0.00
79) Terphenyl-d14	19.901	244	1073444	20.099	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.489	184	27	4.829	ng	# 1
56) 4-Nitrophenol	14.595	139	659	4.568	ng	# 69
71) Phenanthrene	17.230	178	120472	2.367	ng	99
72) Anthracene	17.230	178	120472	2.333	ng	98
75) Fluoranthene	19.313	202	449195	7.360	ng	98
78) Pyrene	19.695	202	558926	8.719	ng	98
81) Benzo(a)anthracene	21.613	228	326502	4.964	ng	96
83) Chrysene	21.677	228	298883	4.767	ng	97
87) Indeno(1,2,3-cd)pyrene	28.824	276	186510	2.303	ng	# 78
88) Benzo(b)fluoranthene	23.942	252	363964	5.345	ng	# 93
89) Benzo(k)fluoranthene	23.942	252	363964	5.238	ng	# 92
90) Benzo(a)pyrene	24.836	252	303675	4.554	ng	# 94
92) Benzo(g,h,i)perylene	30.012	276	197642	3.033	ng	92

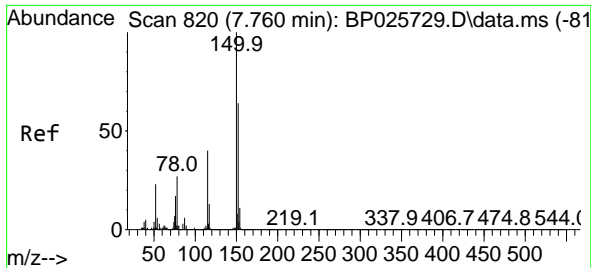
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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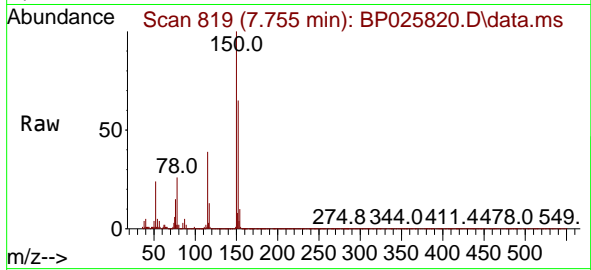
Quant Time: Sep 23 01:05:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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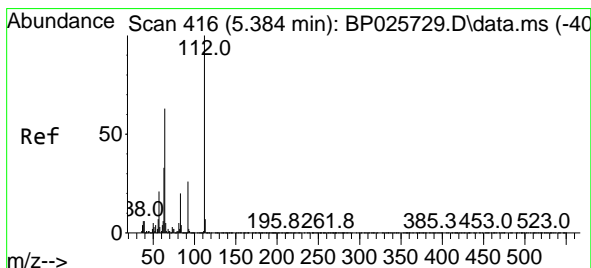
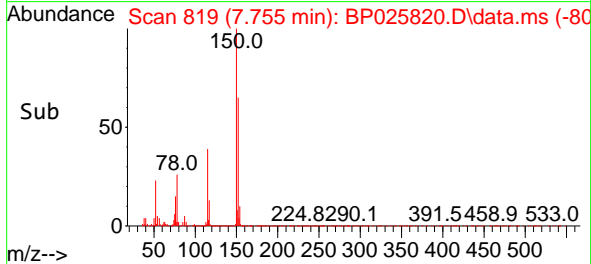
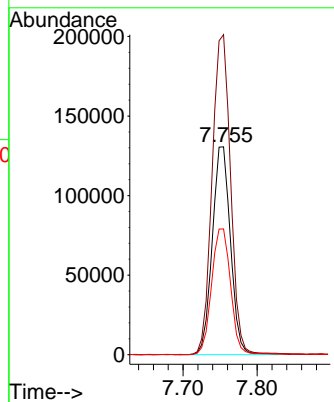


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.755 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument :
 BNA_P
 ClientSampleId :

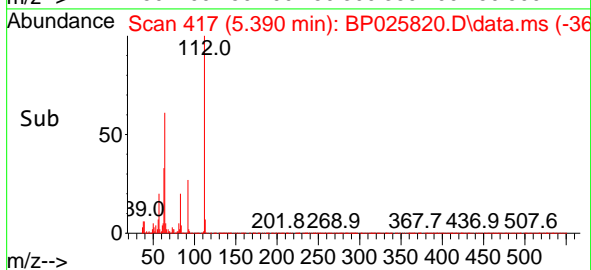
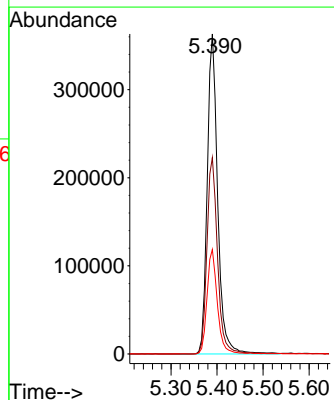
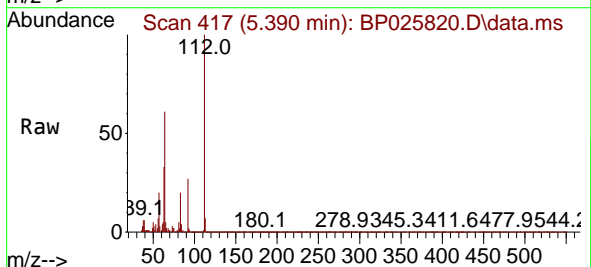


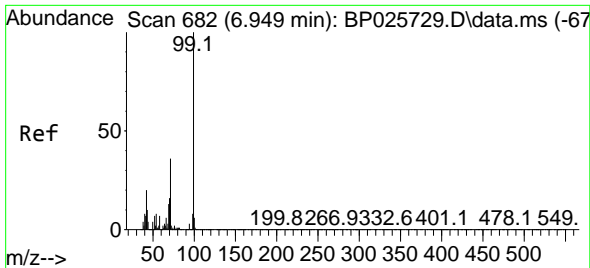
Tgt Ion:152 Resp: 223533
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.3 186.5
 115 60.5 50.3 75.5



#5
 2-Fluorophenol
 Concen: 41.560 ng
 RT: 5.390 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion:112 Resp: 575754
 Ion Ratio Lower Upper
 112 100
 64 61.4 50.2 75.4
 63 32.6 26.7 40.1



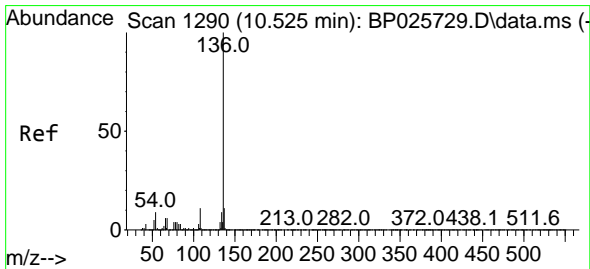
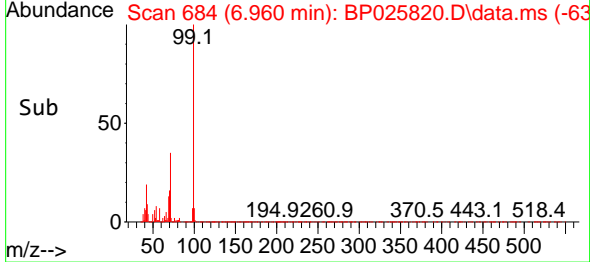
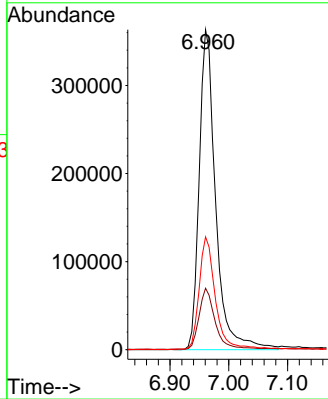
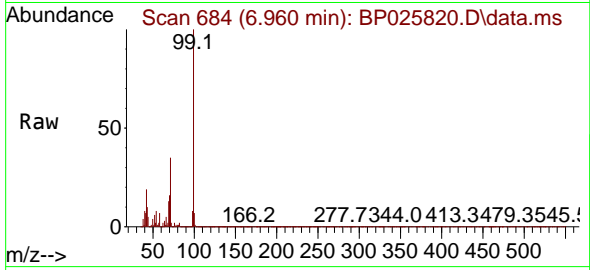


#7
 Phenol-d6
 Concen: 38.354 ng
 RT: 6.960 min Scan# 61
 Delta R.T. 0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument : BNA_P
 ClientSampleId :

Tgt Ion: 99 Resp: 706247

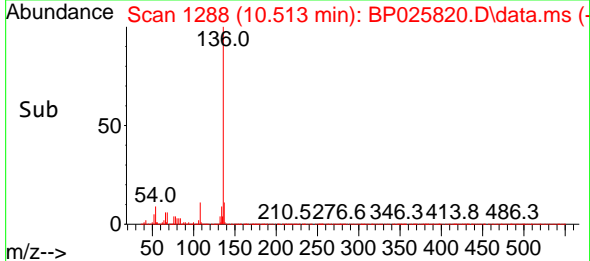
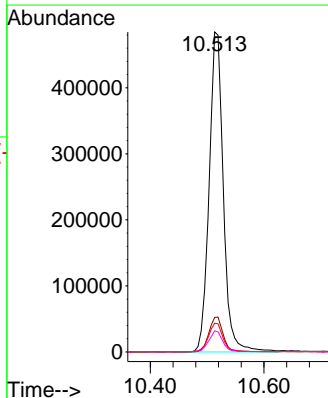
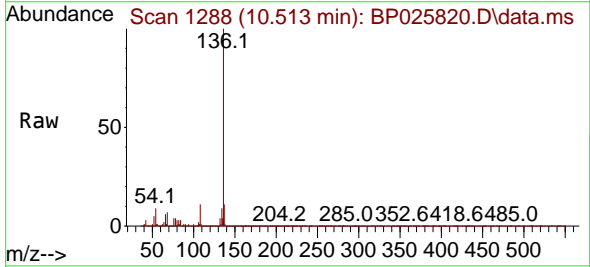
Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.6	23.4
71	35.3	28.6	43.0

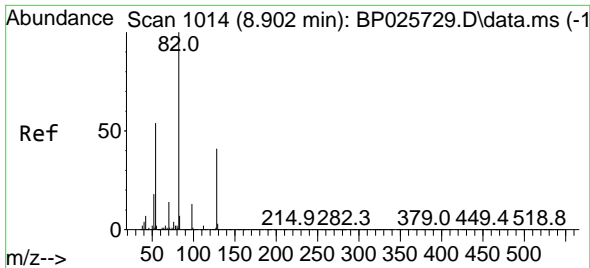


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.513 min Scan# 1288
 Delta R.T. -0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion: 136 Resp: 838434

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.0	7.5	11.3
68	6.6	5.0	7.6



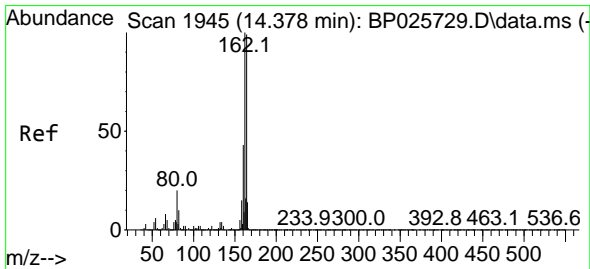
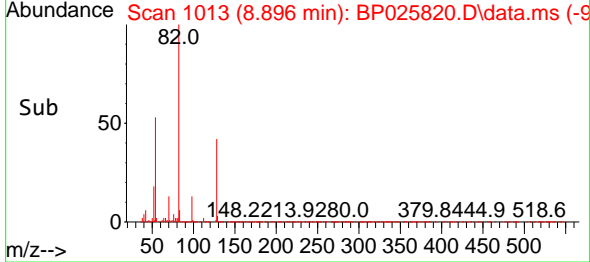
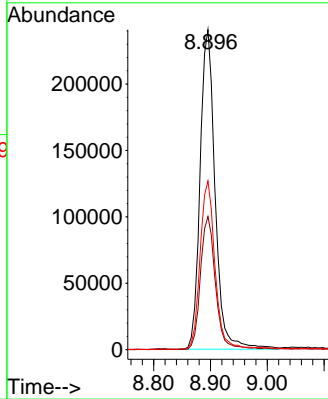
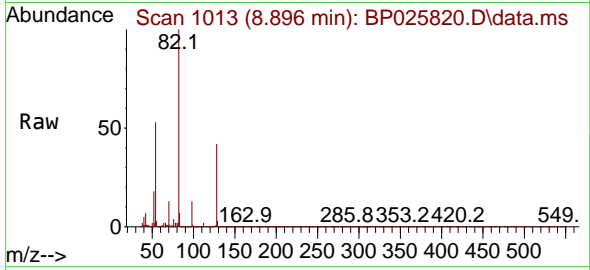


#23
 Nitrobenzene-d5
 Concen: 23.291 ng
 RT: 8.896 min Scan# 1014
 Delta R.T. -0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion: 82 Resp: 442699

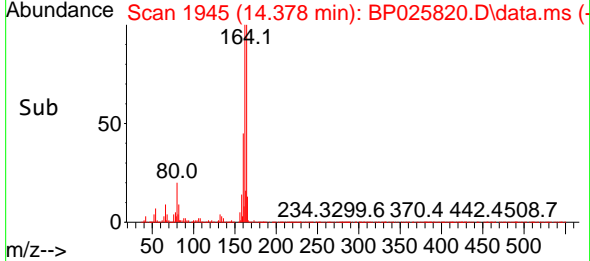
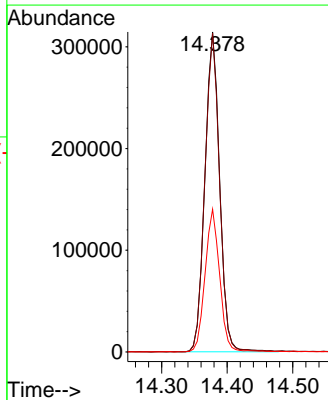
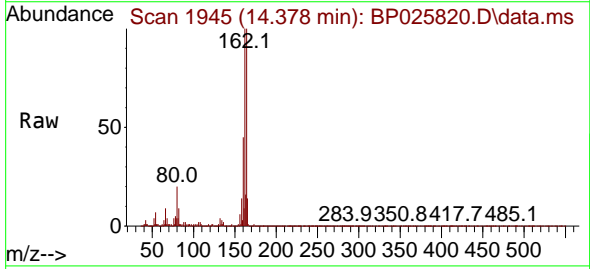
Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.9	49.3
54	52.8	43.4	65.2

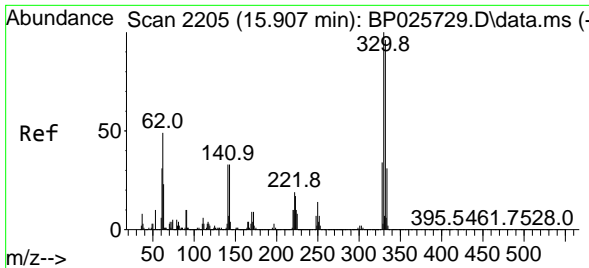


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.378 min Scan# 1945
 Delta R.T. -0.000 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion: 164 Resp: 492701

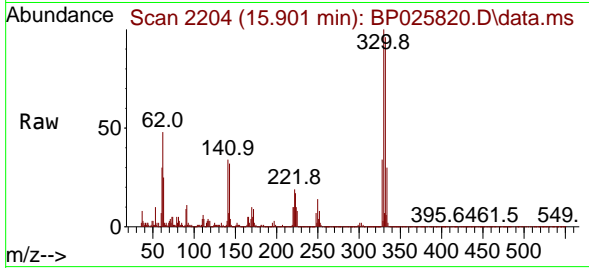
Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.6	35.0	52.6



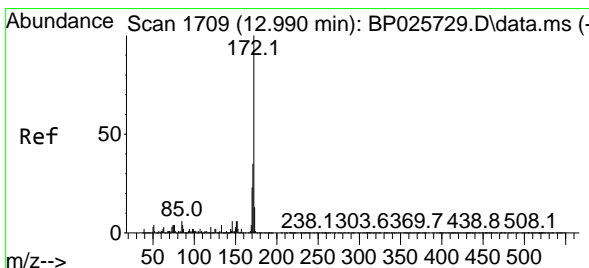
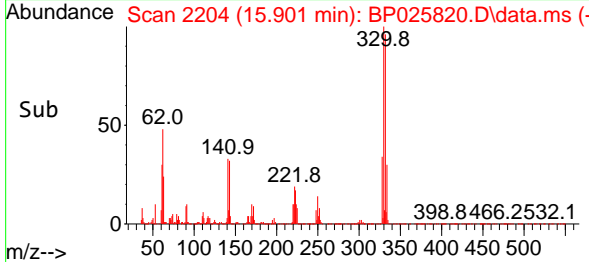
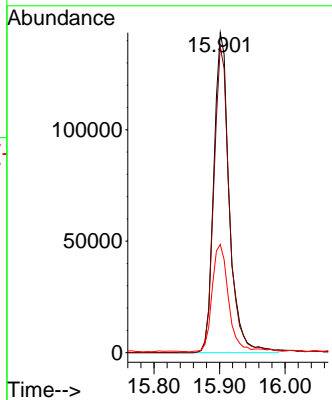


#42
 2,4,6-Tribromophenol
 Concen: 38.227 ng
 RT: 15.901 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument :
 BNA_P
 ClientSampleId :

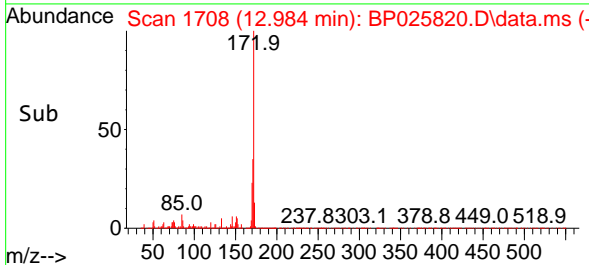
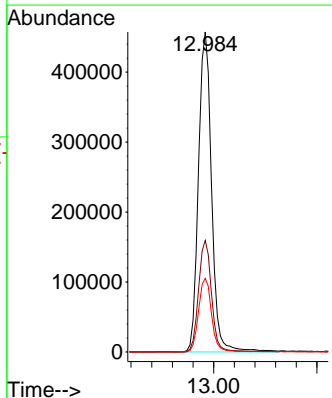
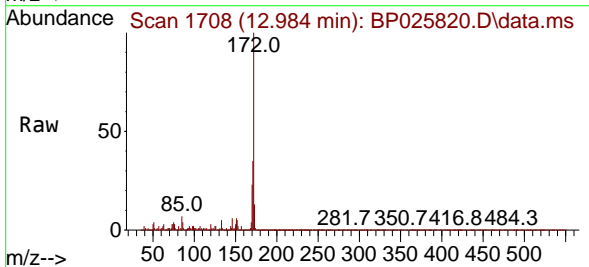


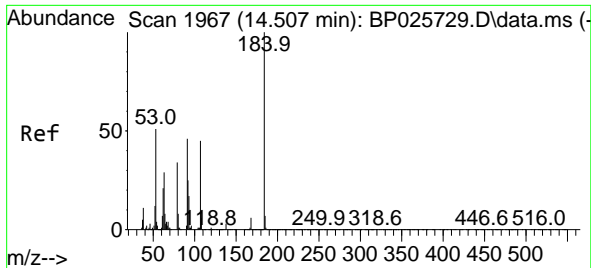
Tgt Ion:330 Resp: 234923
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.9 115.3
 141 36.2 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 21.759 ng
 RT: 12.984 min Scan# 1708
 Delta R.T. -0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion:172 Resp: 805157
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.6
 170 23.0 18.6 27.8

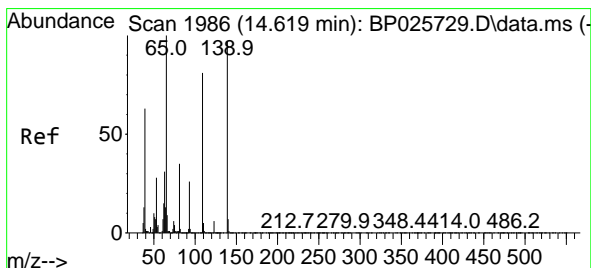
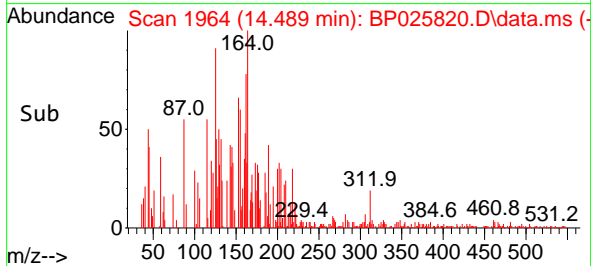
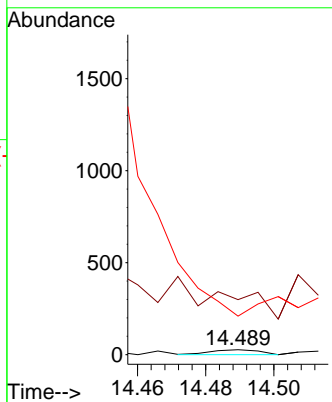
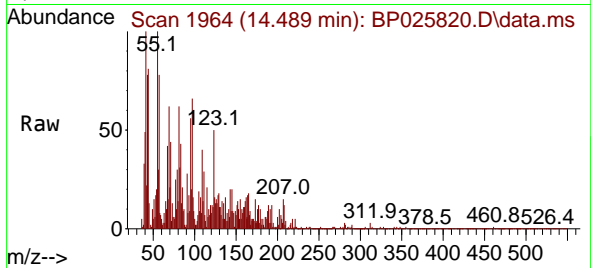




#54
 2,4-Dinitrophenol
 Concen: 4.829 ng
 RT: 14.489 min Scan# 1964
 Delta R.T. -0.018 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

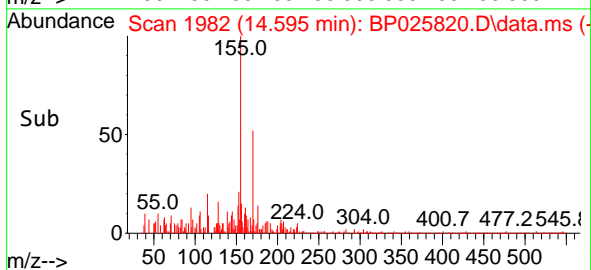
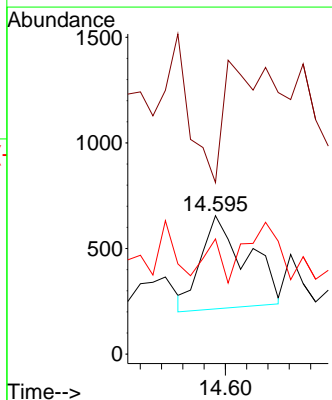
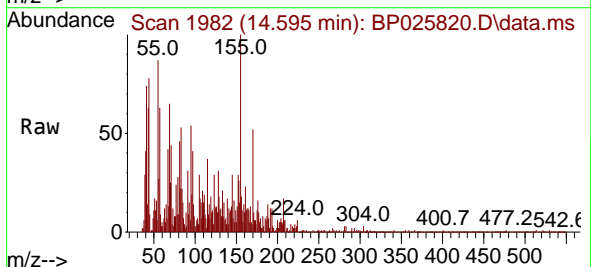
Instrument : BNA_P
 Client Sample Id :

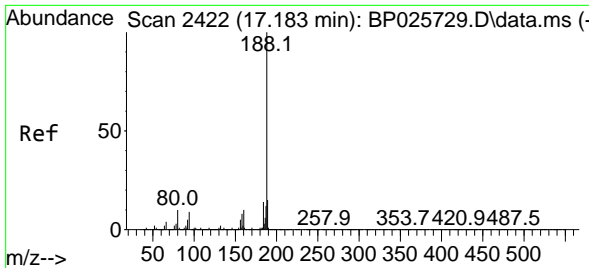
Tgt Ion	Resp	Lower	Upper
184	100		
63	1107.4	52.5	78.7#
154	777.8	51.5	77.3#



#56
 4-Nitrophenol
 Concen: 4.568 ng
 RT: 14.595 min Scan# 1982
 Delta R.T. -0.024 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion	Resp	Lower	Upper
139	100		
109	124.0	62.9	102.9#
65	83.2	83.4	123.4#

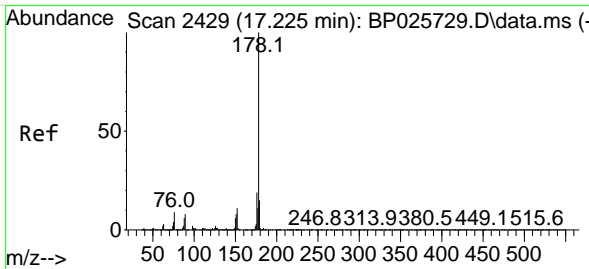
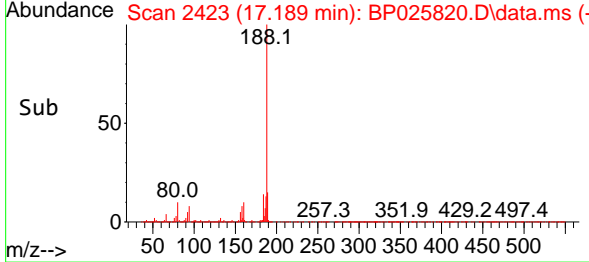
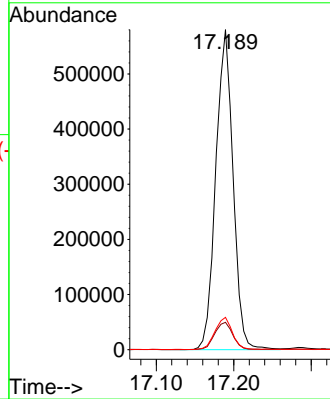
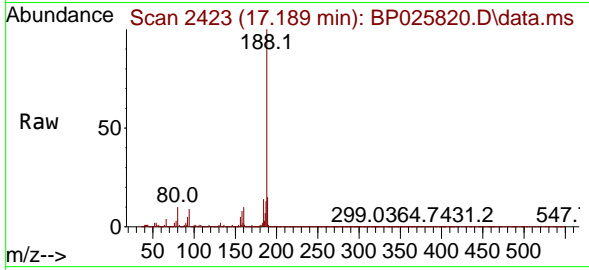




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.189 min Scan# 2422
 Delta R.T. 0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

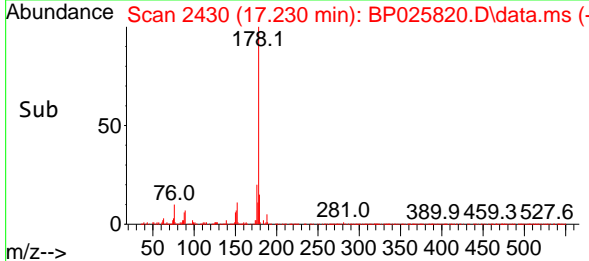
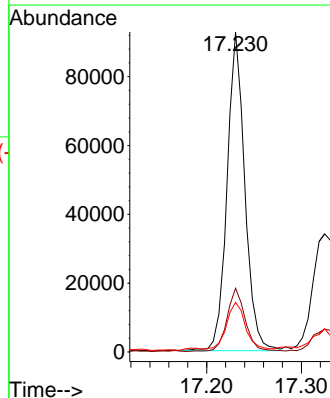
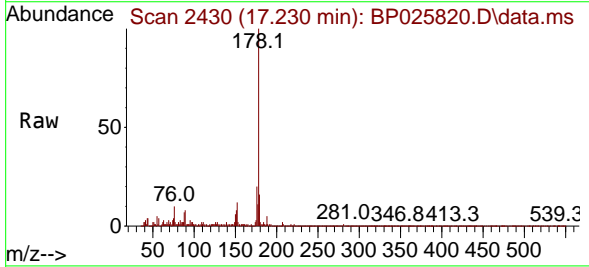
Instrument :
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 ClientSampleId :

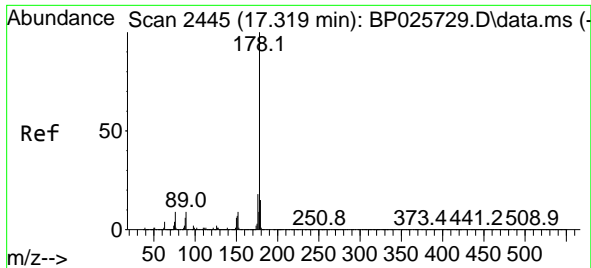
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.6	7.4	11.0
80	10.1	7.7	11.5



#71
 Phenanthrene
 Concen: 2.367 ng
 RT: 17.230 min Scan# 2430
 Delta R.T. 0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

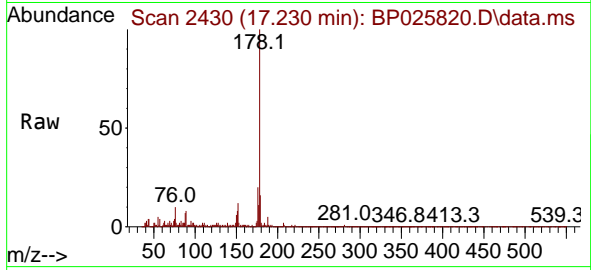
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	15.5	12.2	18.4





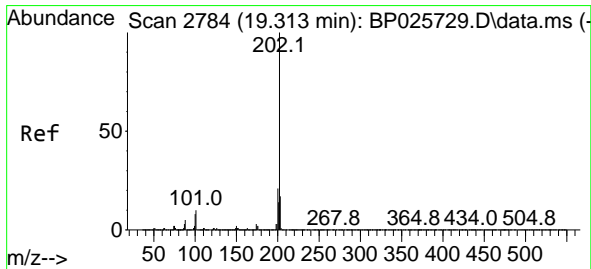
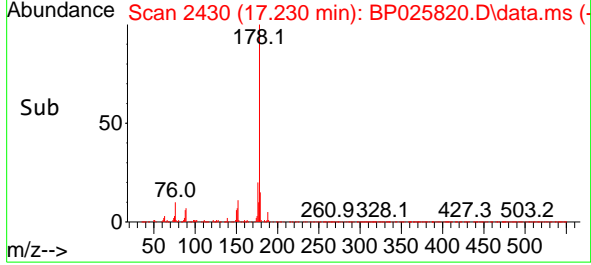
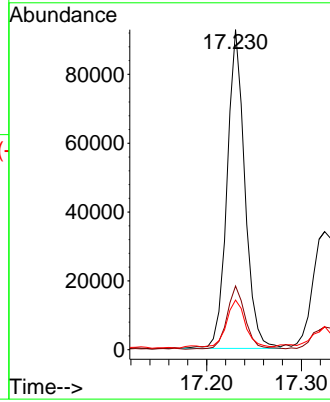
#72
 Anthracene
 Concen: 2.333 ng
 RT: 17.230 min Scan# 24
 Delta R.T. -0.088 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:178 Resp: 120472

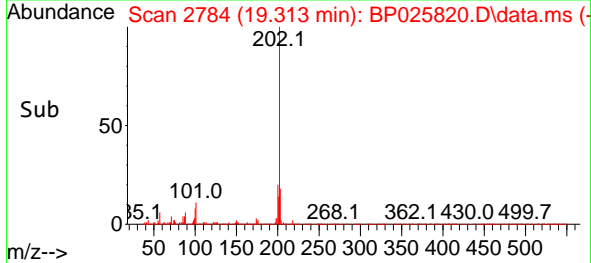
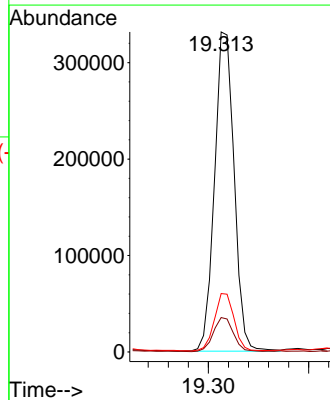
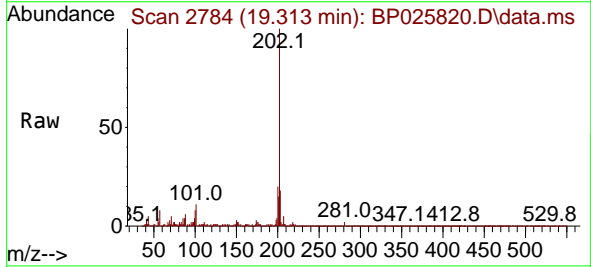
Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.8	22.2
179	15.5	12.2	18.4

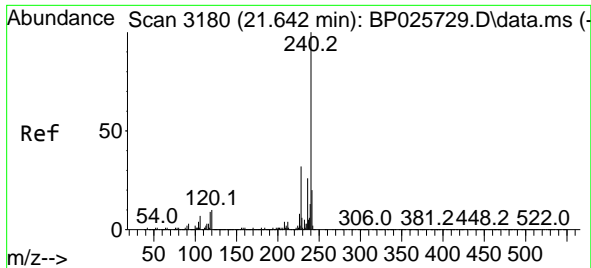


#75
 Fluoranthene
 Concen: 7.360 ng
 RT: 19.313 min Scan# 2784
 Delta R.T. -0.000 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion:202 Resp: 449195

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.4
203	18.3	0.0	37.4

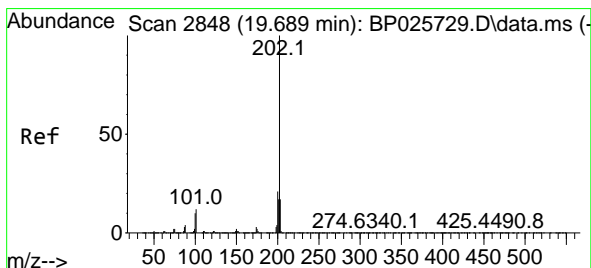
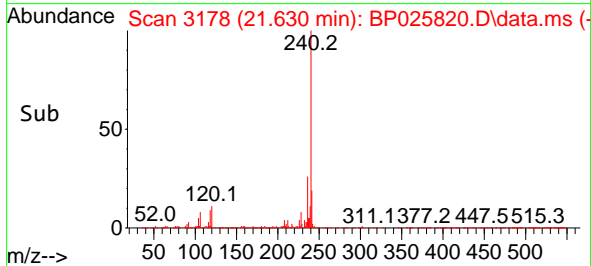
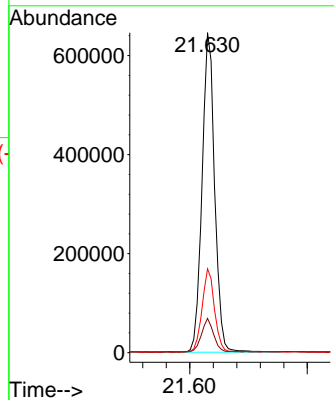
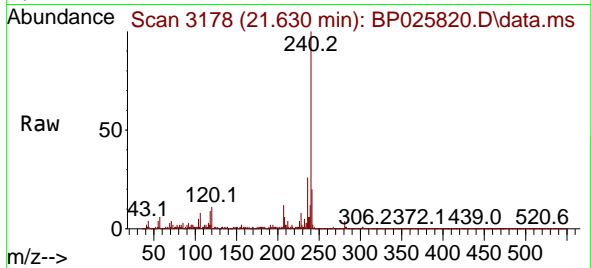




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.630 min Scan# 3180
 Delta R.T. -0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

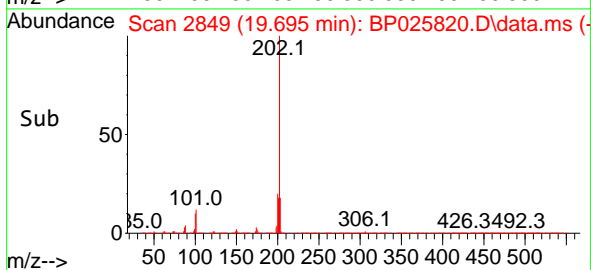
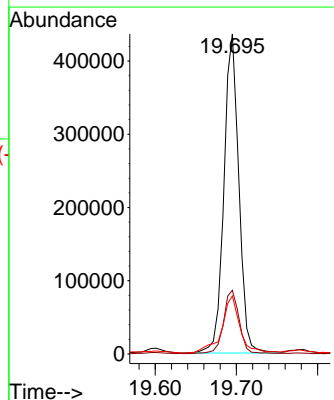
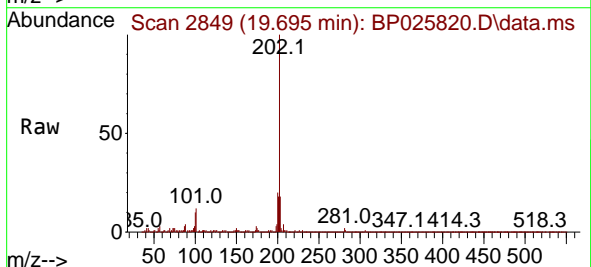
Instrument :
 BNA_P
 ClientSampleId :

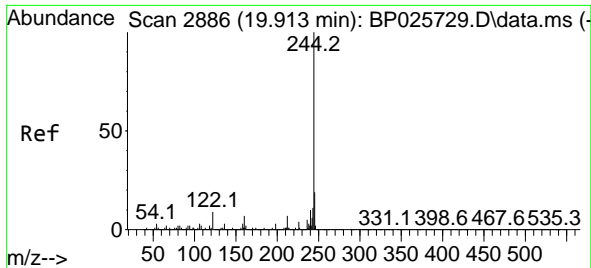
Tgt Ion:240 Resp: 960777
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.0 12.0
 236 26.2 20.7 31.1



#78
 Pyrene
 Concen: 8.719 ng
 RT: 19.695 min Scan# 2849
 Delta R.T. 0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion:202 Resp: 558926
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.0 25.6
 203 18.1 13.9 20.9

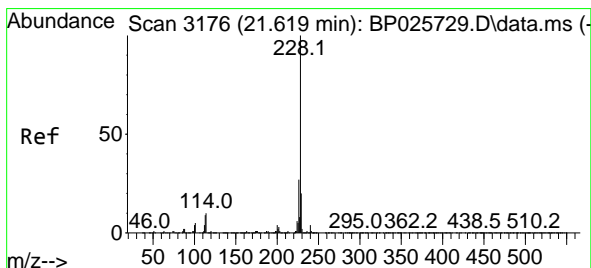
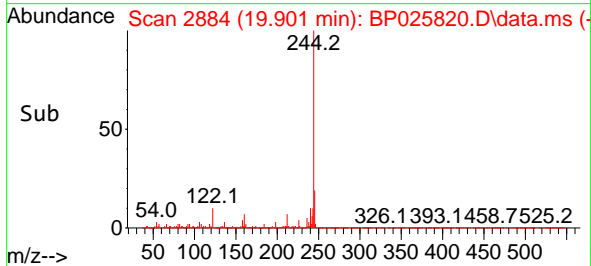
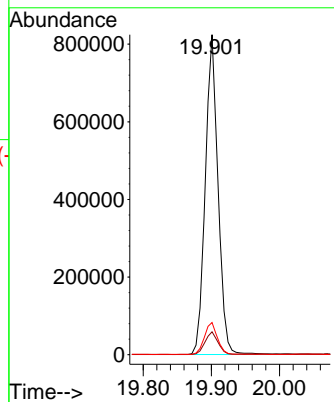
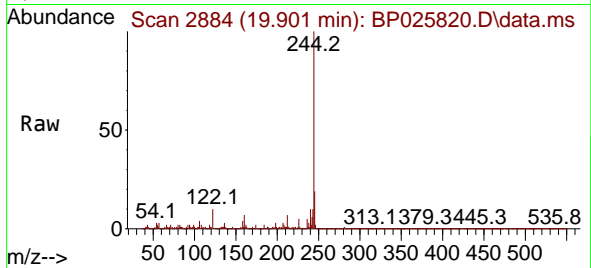




#79
 Terphenyl-d14
 Concen: 20.099 ng
 RT: 19.901 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

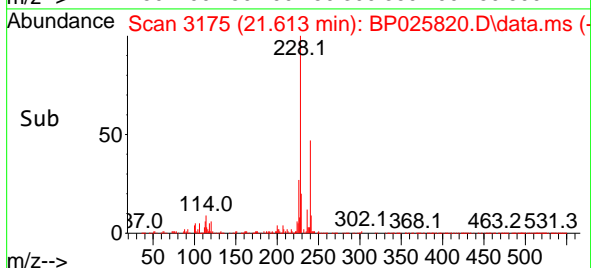
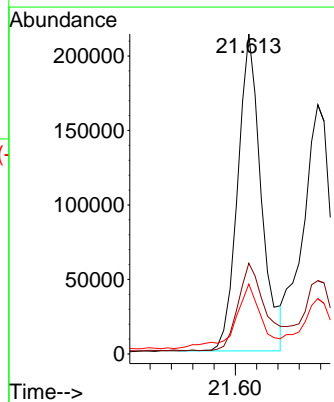
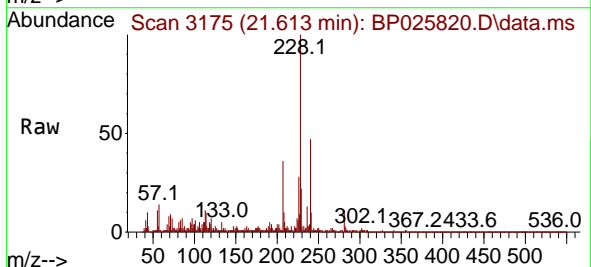
Instrument : BNA_P
 Client SampleId :

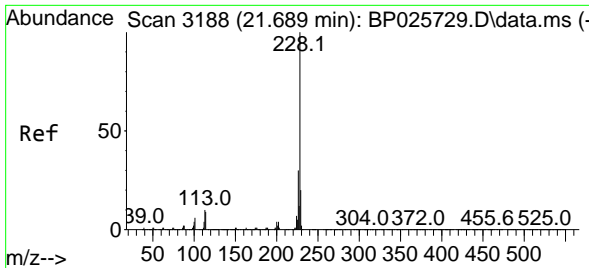
Tgt Ion:244 Resp: 1073444
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.1 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 4.964 ng
 RT: 21.613 min Scan# 3175
 Delta R.T. -0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

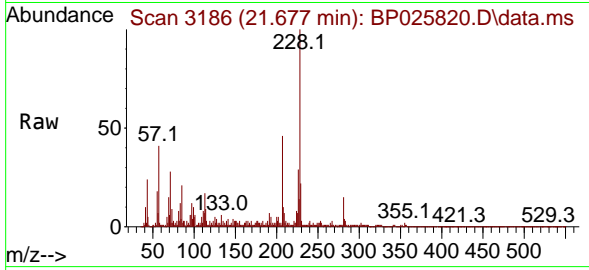
Tgt Ion:228 Resp: 326502
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 21.8 15.7 23.5





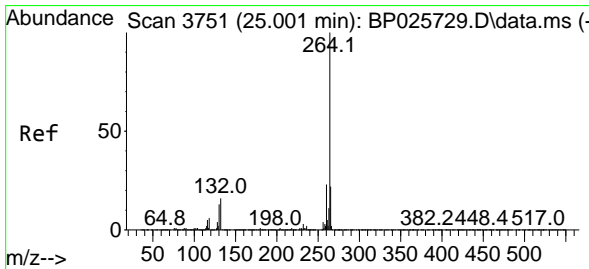
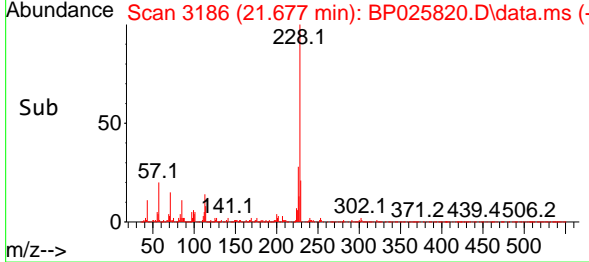
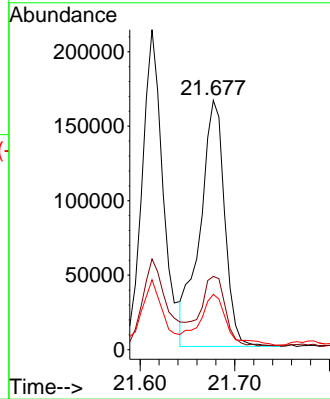
#83
 Chrysene
 Concen: 4.767 ng
 RT: 21.677 min Scan# 3186
 Delta R.T. -0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument : BNA_P
 ClientSampleId :



Tgt Ion: 228 Resp: 298883

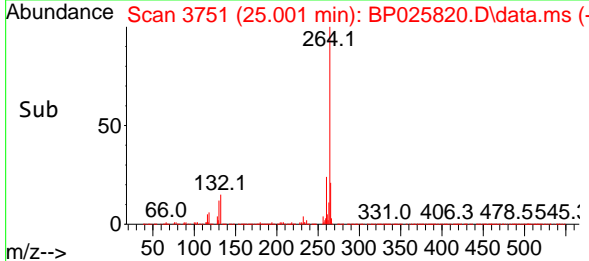
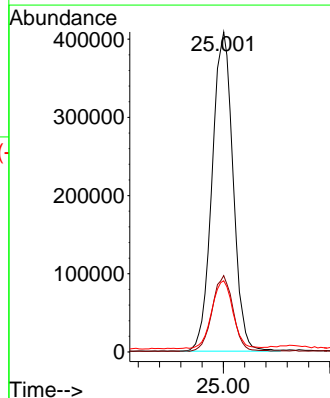
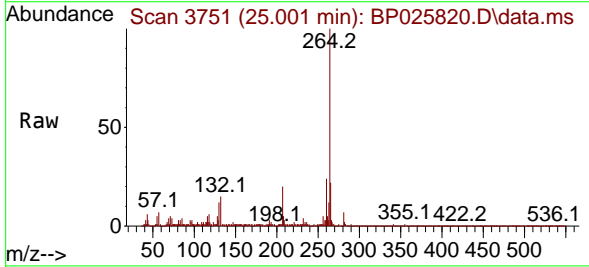
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.6
229	22.2	15.6	23.4

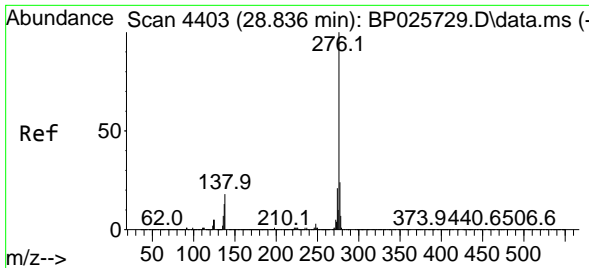


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.001 min Scan# 3751
 Delta R.T. -0.000 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion: 264 Resp: 1113424

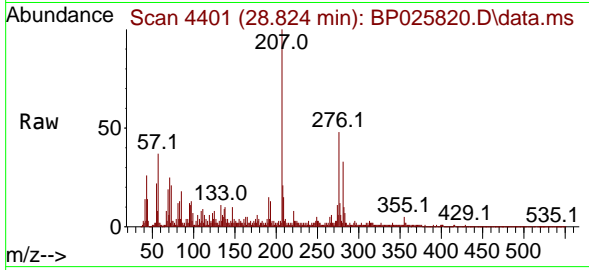
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	22.2	17.3	25.9



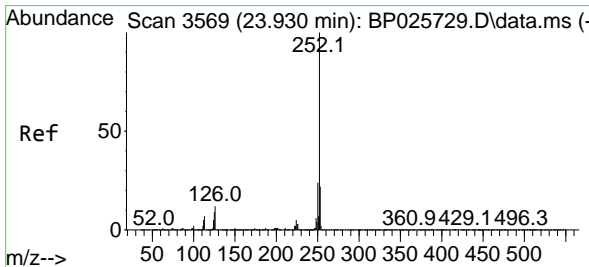
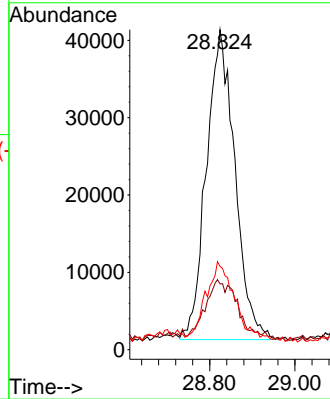
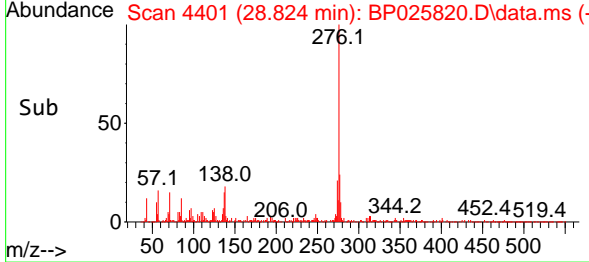


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.303 ng
 RT: 28.824 min Scan# 4401
 Delta R.T. -0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

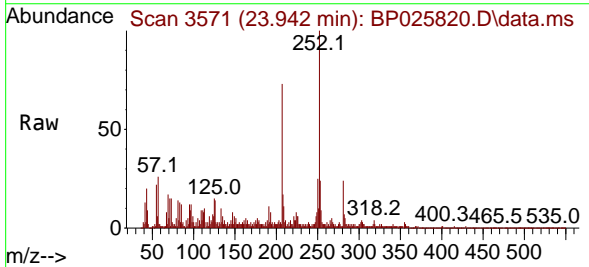
Instrument :
 BNA_P
 ClientSampleId :



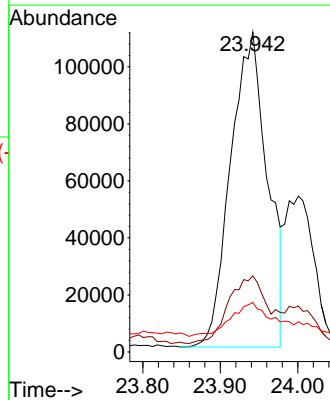
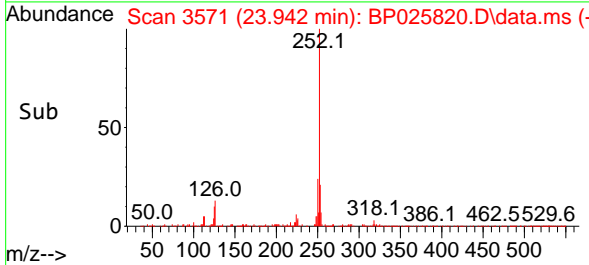
Tgt Ion: 276 Resp: 186510
 Ion Ratio Lower Upper
 276 100
 138 11.8 13.4 20.2#
 277 25.6 9.1 13.7#

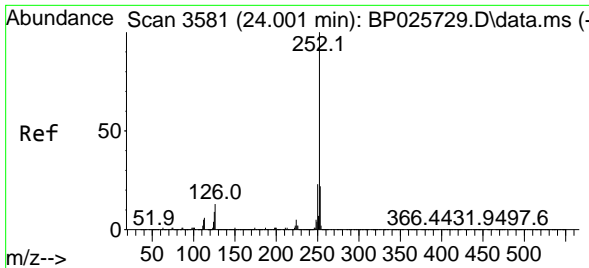


#88
 Benzo(b)fluoranthene
 Concen: 5.345 ng
 RT: 23.942 min Scan# 3571
 Delta R.T. 0.012 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53



Tgt Ion: 252 Resp: 363964
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.9 26.9
 125 15.4 7.3 10.9#



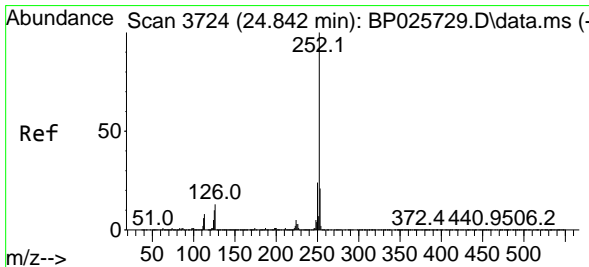
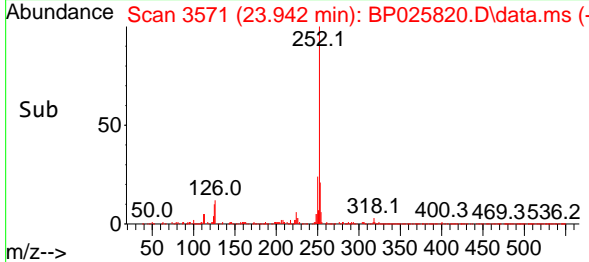
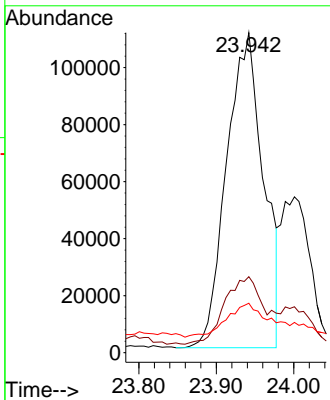
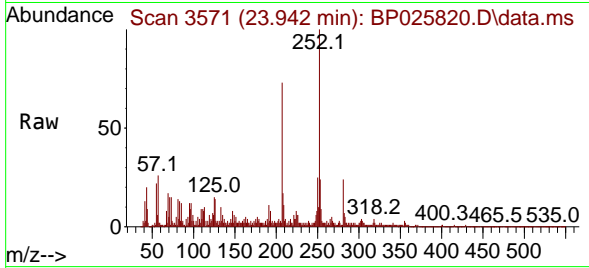


#89
 Benzo(k)fluoranthene
 Concen: 5.238 ng
 RT: 23.942 min Scan# 31
 Delta R.T. -0.059 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:252 Resp: 363964

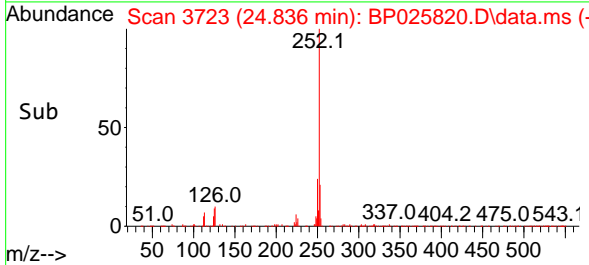
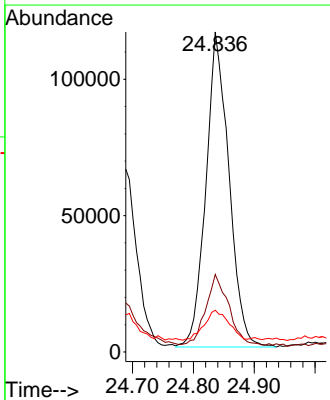
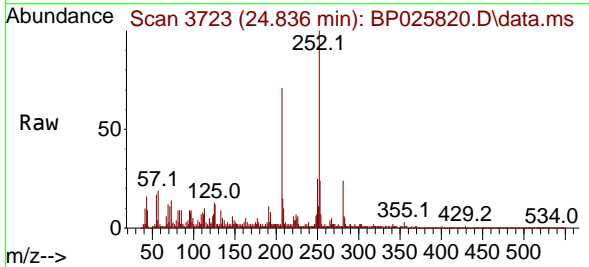
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.4	7.5	11.3#

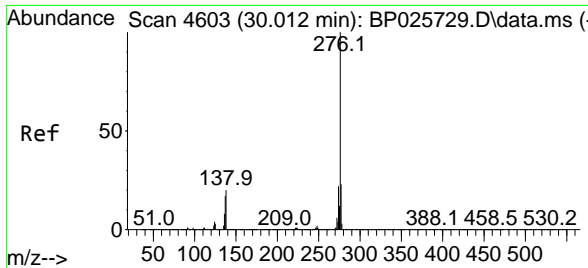


#90
 Benzo(a)pyrene
 Concen: 4.554 ng
 RT: 24.836 min Scan# 3723
 Delta R.T. -0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion:252 Resp: 303675

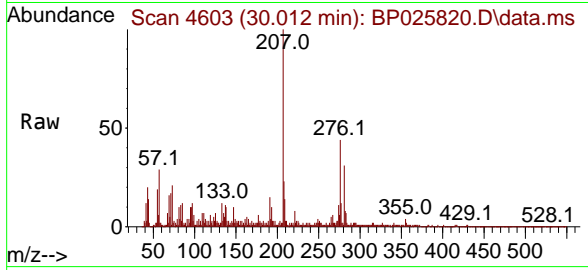
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.0	8.3	12.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.033 ng
 RT: 30.012 min Scan# 4
 Delta R.T. -0.000 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion: 276 Resp: 197642

Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.7	28.1
138	23.7	16.0	24.0

