

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025388.D
 Acq On : 13 Aug 2025 17:32
 Operator : CG/JU
 Sample : Q2820-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 518R-S

Quant Time: Aug 13 17:51:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

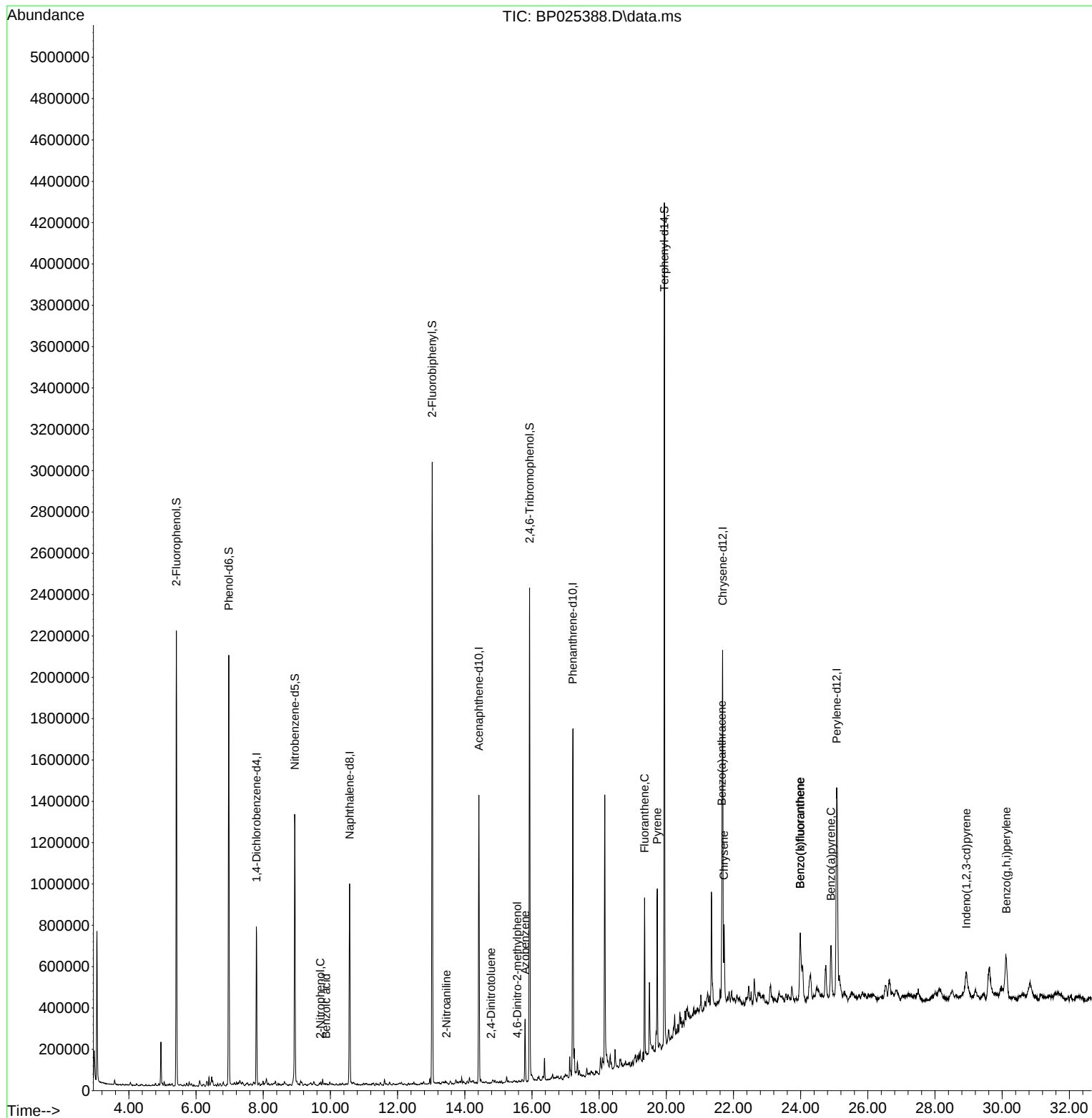
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	213360	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	844787	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	533137	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1007182	20.000	ng	0.00
76) Chrysene-d12	21.677	240	1023641	20.000	ng	0.02
86) Perylene-d12	25.071	264	1164080	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	970703	73.174	ng	0.00
7) Phenol-d6	6.972	99	1182042	67.705	ng	0.00
23) Nitrobenzene-d5	8.937	82	745957	48.920	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	488562	91.858	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1656974	42.928	ng	0.00
79) Terphenyl-d14	19.942	244	2052255	37.867	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.701	139	63	3.648	ng	# 1
32) Benzoic acid	9.866	122	157	5.975	ng	# 47
48) 2-Nitroaniline	13.454	65	185	2.984	ng	# 21
57) 2,4-Dinitrotoluene	14.784	165	214	3.273	ng	# 68
63) Azobenzene	15.795	77	89682	2.464	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.560	198	17	4.839	ng	# 1
75) Fluoranthene	19.354	202	469275	7.349	ng	99
78) Pyrene	19.730	202	474929	6.977	ng	100
81) Benzo(a)anthracene	21.654	228	295104	4.338	ng	97
83) Chrysene	21.718	228	260541	4.130	ng	97
87) Indeno(1,2,3-cd)pyrene	28.930	276	207487	2.487	ng	# 89
88) Benzo(b)fluoranthene	23.989	252	388202	5.571	ng	96
89) Benzo(k)fluoranthene	23.989	252	388202	5.620	ng	96
90) Benzo(a)pyrene	24.901	252	284283	4.236	ng	98
92) Benzo(g,h,i)perylene	30.124	276	206251	3.075	ng	96

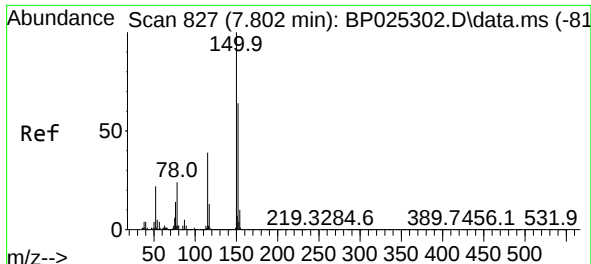
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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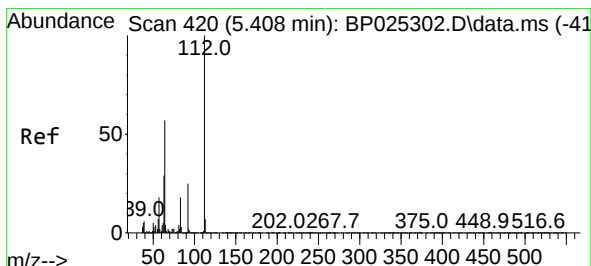
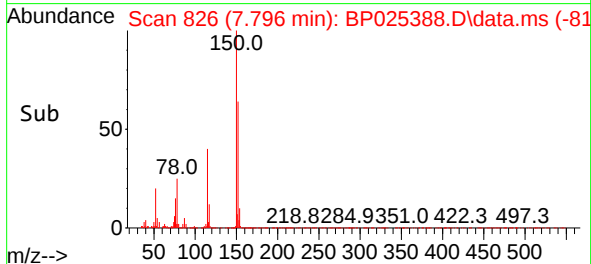
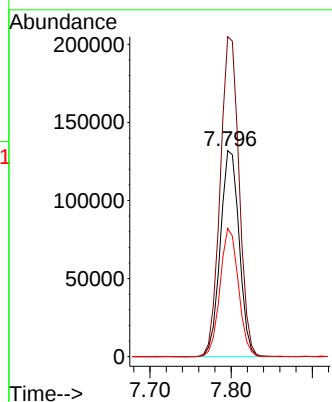
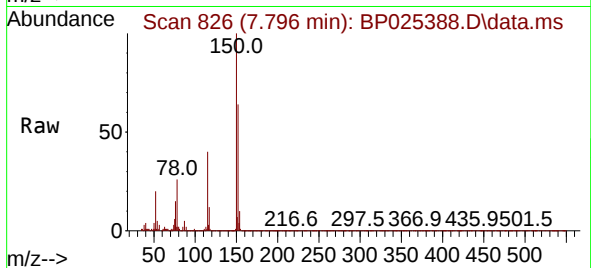




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

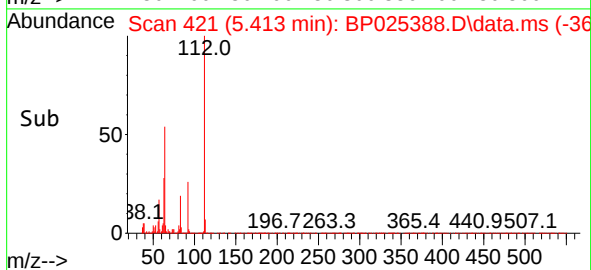
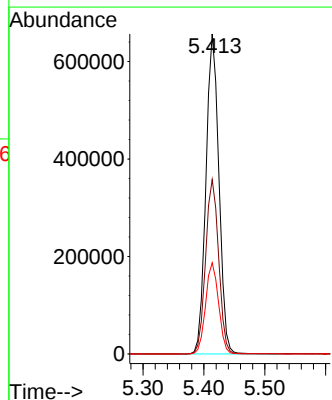
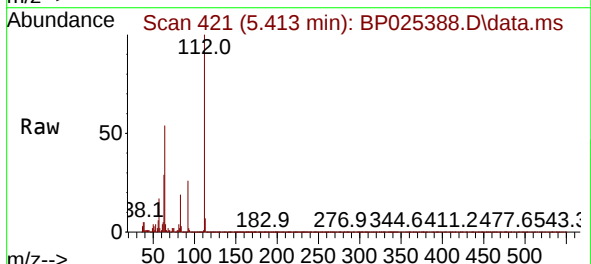
Instrument :
BNA_P
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518R-S

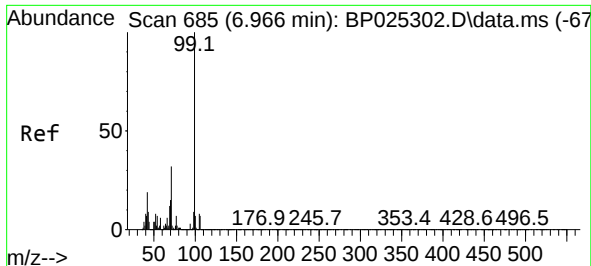
Tgt Ion:152 Resp: 213360
Ion Ratio Lower Upper
152 100
150 155.2 125.1 187.7
115 62.3 48.4 72.6



#5
2-Fluorophenol
Concen: 73.174 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:112 Resp: 970703
Ion Ratio Lower Upper
112 100
64 54.5 45.3 67.9
63 28.5 23.0 34.6

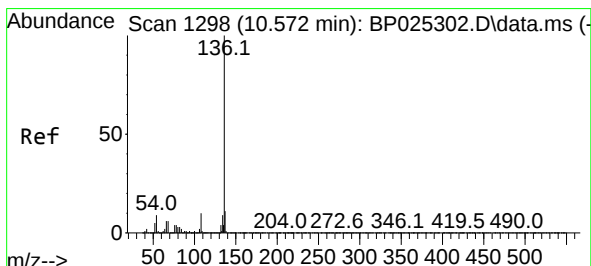
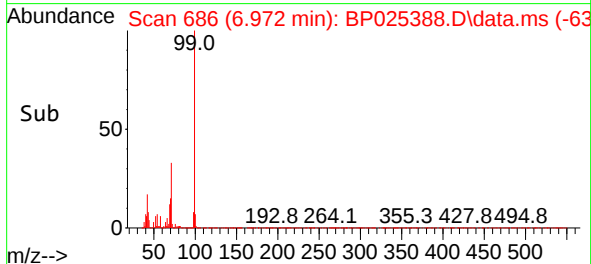
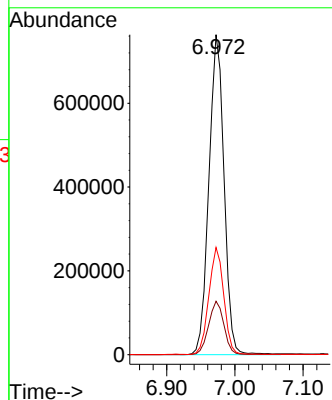
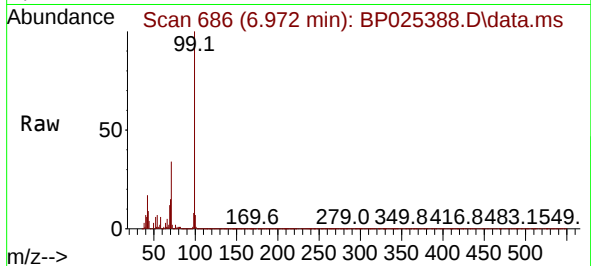




#7
Phenol-d6
Concen: 67.705 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

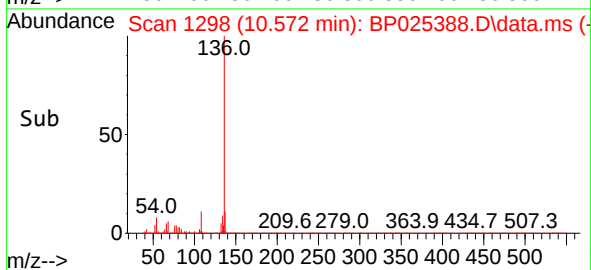
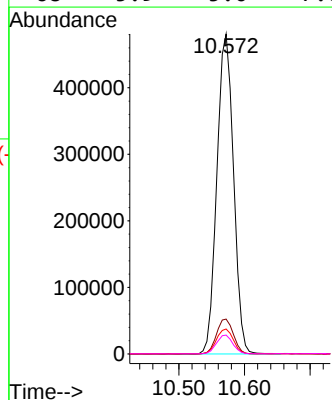
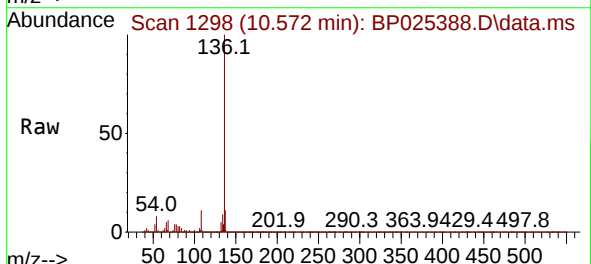
Instrument :
BNA_P
ClientSampleId :
518R-S

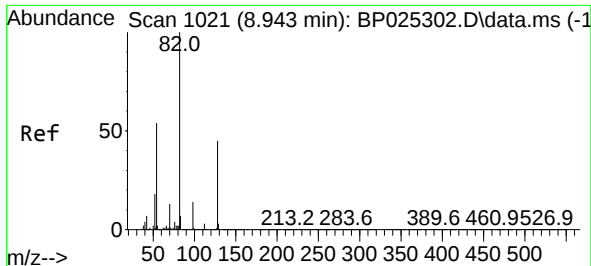
Tgt Ion: 99 Resp: 1182042
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 33.5 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion: 136 Resp: 844787
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 7.0 10.6
68 5.9 5.0 7.6

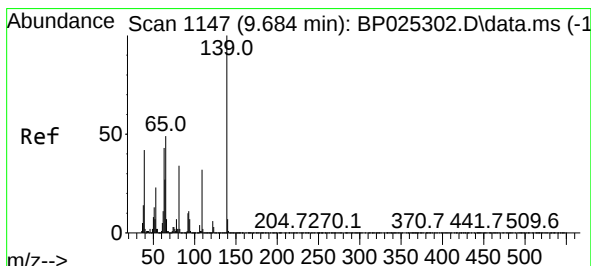
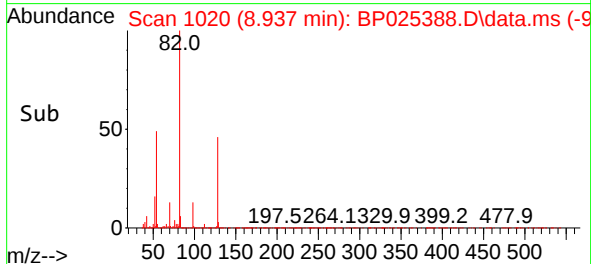
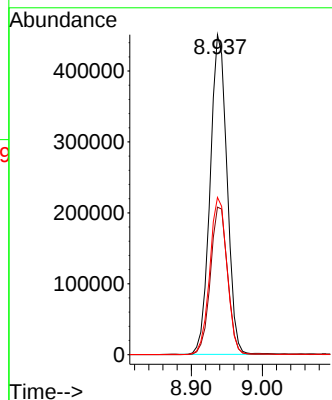
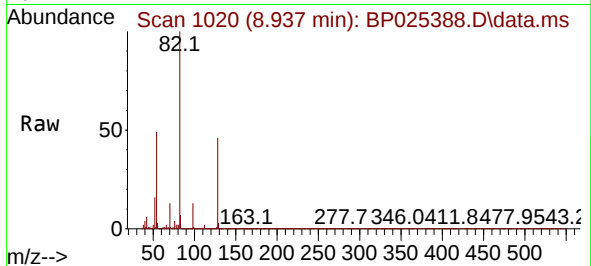




#23
Nitrobenzene-d5
Concen: 48.920 ng
RT: 8.937 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

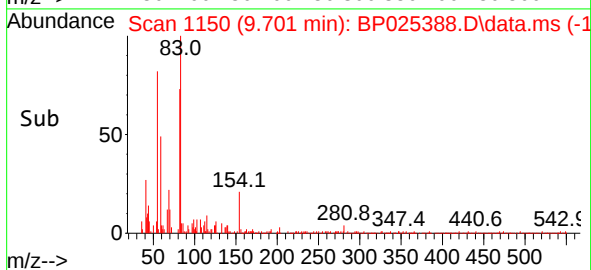
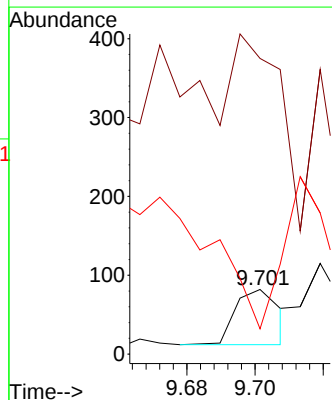
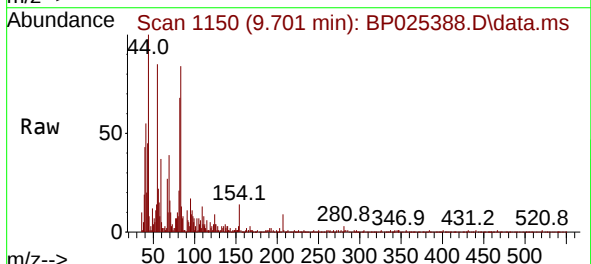
Instrument :
BNA_P
ClientSampleId :
518R-S

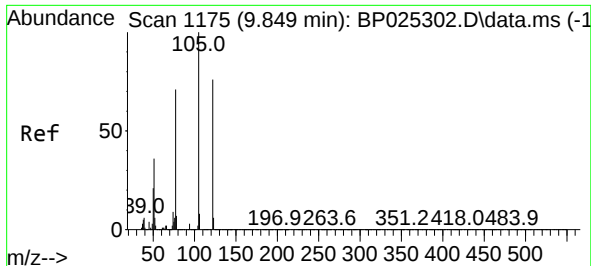
Tgt Ion: 82 Resp: 745957
Ion Ratio Lower Upper
82 100
128 46.1 35.4 53.2
54 49.1 42.9 64.3



#26
2-Nitrophenol
Concen: 3.648 ng
RT: 9.701 min Scan# 1150
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 457.3 25.2 37.8#
65 126.8 39.6 59.4#

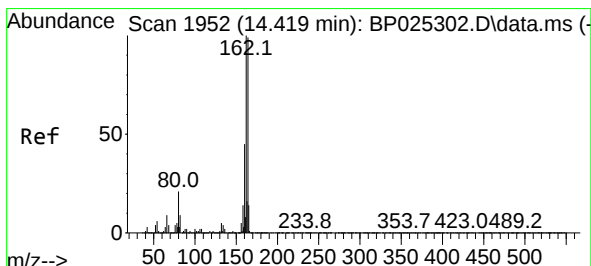
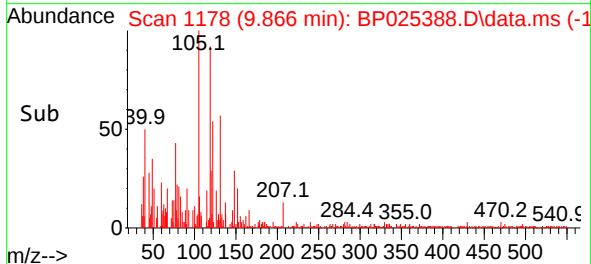
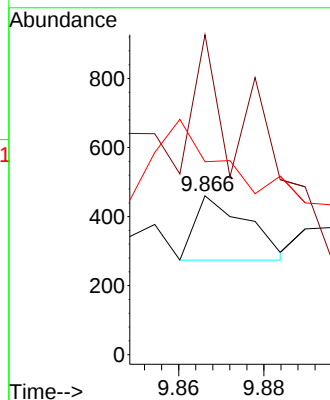
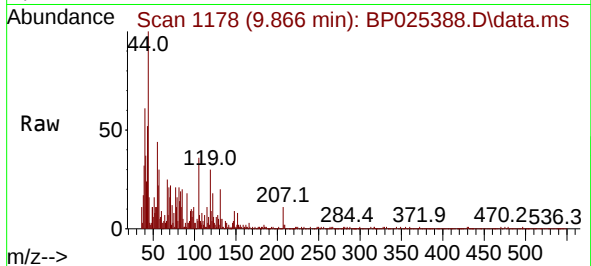




#32
Benzoic acid
Concen: 5.975 ng
RT: 9.866 min Scan# 1175
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

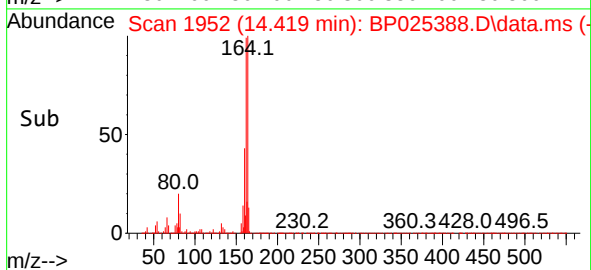
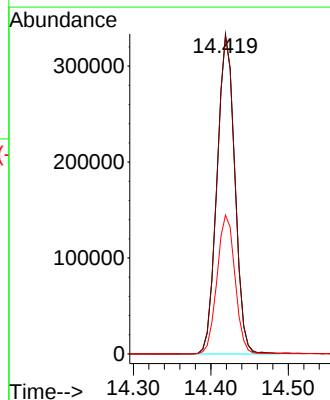
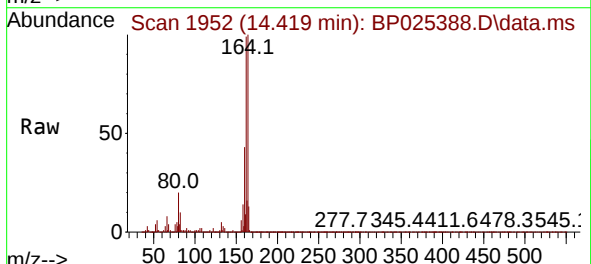
Instrument :
BNA_P
ClientSampleId :
518R-S

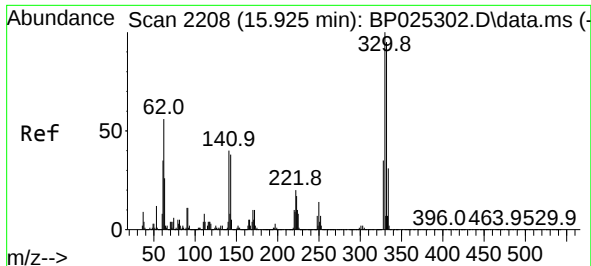
Tgt Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 201.5 104.0 144.0#
77 121.5 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:164 Resp: 533137
Ion Ratio Lower Upper
164 100
162 99.2 80.6 120.8
160 43.4 35.9 53.9

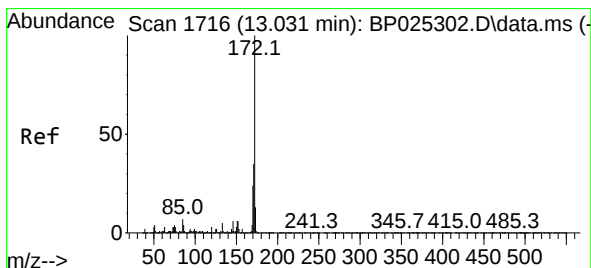
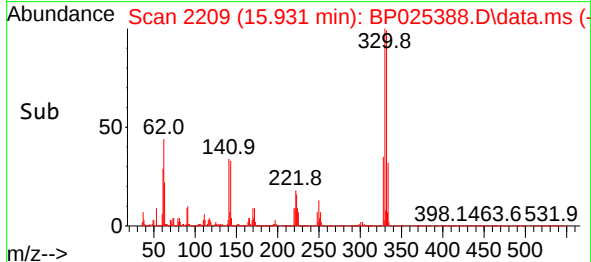
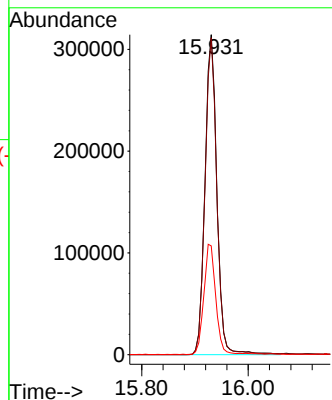
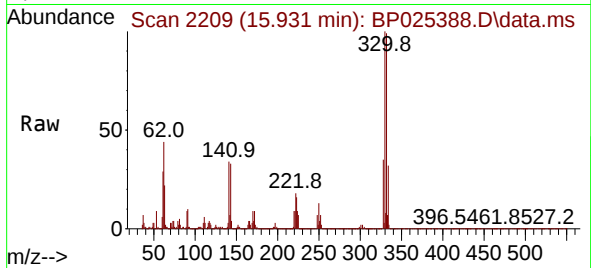




#42
2,4,6-Tribromophenol
Concen: 91.858 ng
RT: 15.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

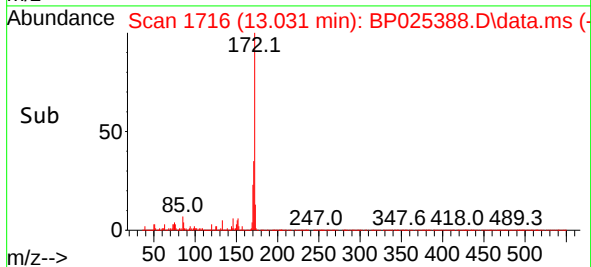
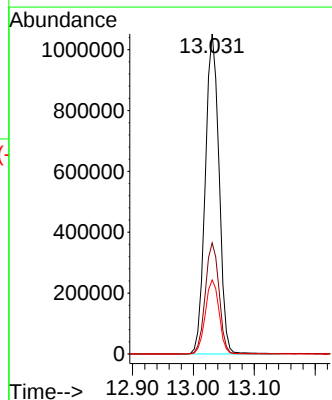
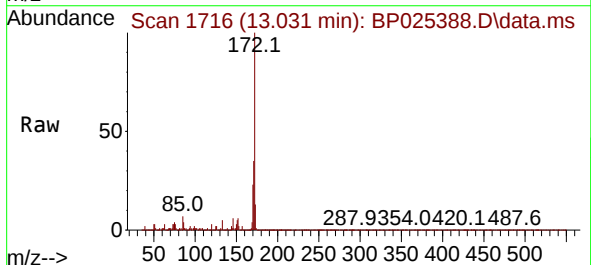
Instrument :
BNA_P
ClientSampleId :
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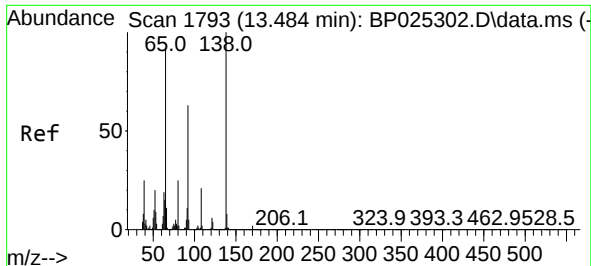
Tgt Ion:330 Resp: 488562
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.0
141 34.6 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 42.928 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:172 Resp: 1656974
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.1 18.9 28.3

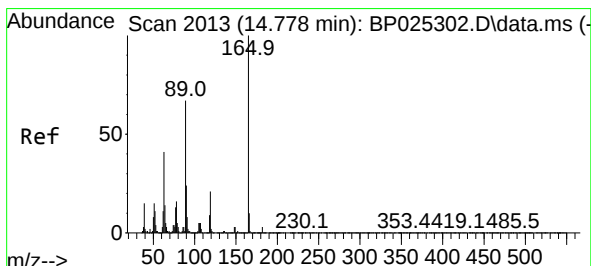
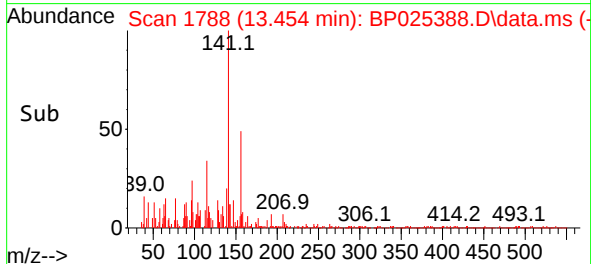
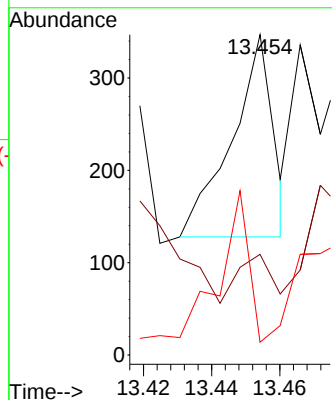
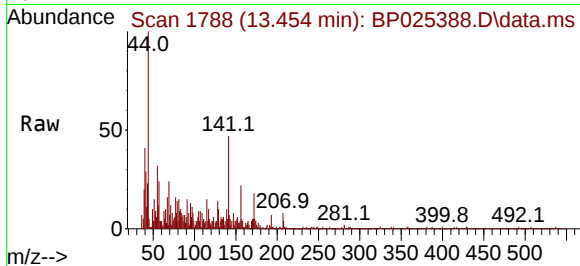




#48
2-Nitroaniline
Concen: 2.984 ng
RT: 13.454 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

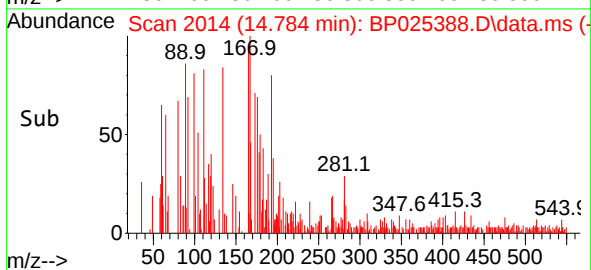
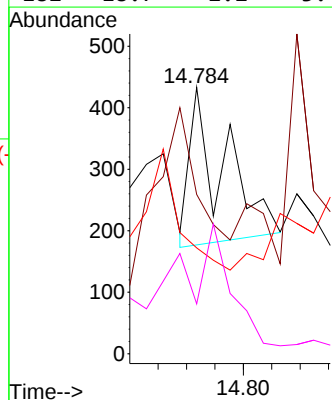
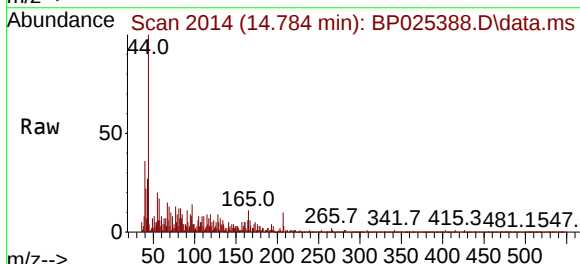
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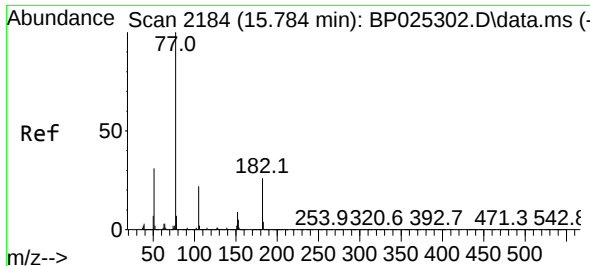
Tgt Ion: 65 Resp: 185
Ion Ratio Lower Upper
65 100
92 31.4 54.4 81.6#
138 4.0 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.273 ng
RT: 14.784 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion: 165 Resp: 214
Ion Ratio Lower Upper
165 100
63 59.8 33.2 49.8#
89 39.7 53.5 80.3#
182 18.7 2.2 3.4#

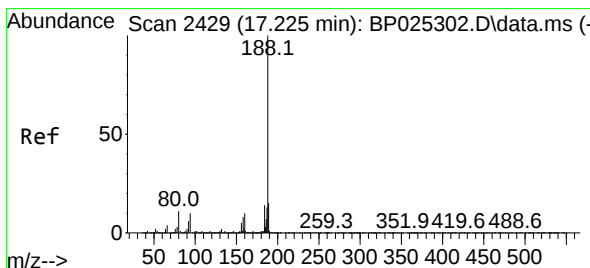
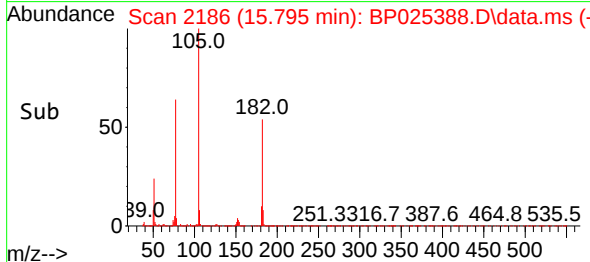
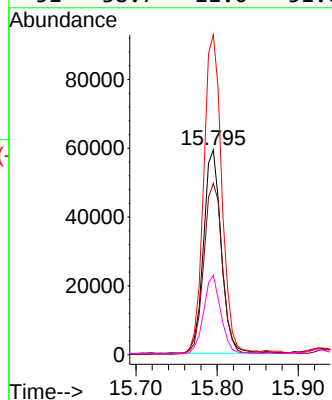
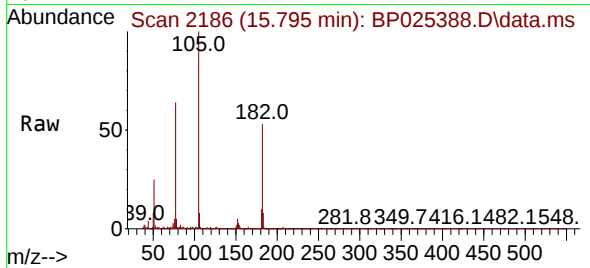




#63
Azobenzene
Concen: 2.464 ng
RT: 15.795 min Scan# 2186
Delta R.T. 0.011 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

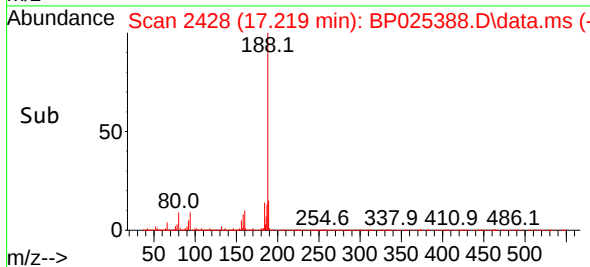
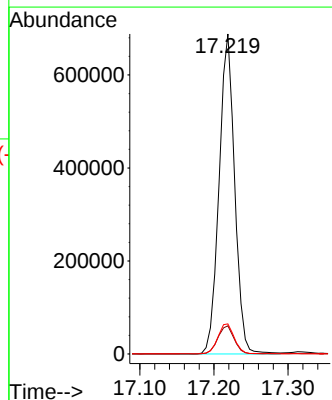
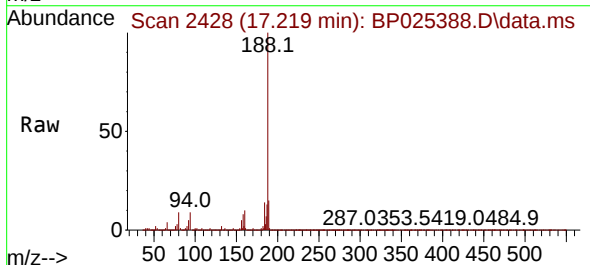
Instrument :
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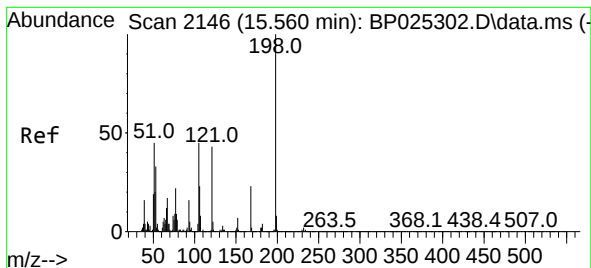
Tgt Ion: 77	Resp: 89682
Ion Ratio	Lower Upper
77 100	
182 83.6	6.0 46.0#
105 156.2	2.1 42.1#
51 38.7	11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion: 188	Resp: 1007182
Ion Ratio	Lower Upper
188 100	
94 8.8	8.0 12.0
80 9.4	8.5 12.7

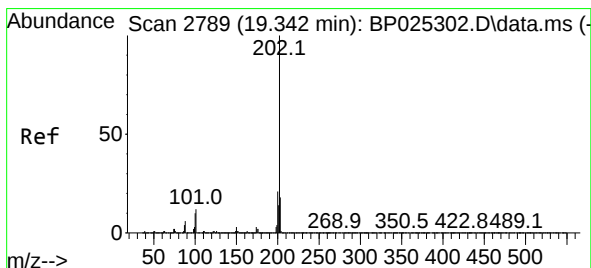
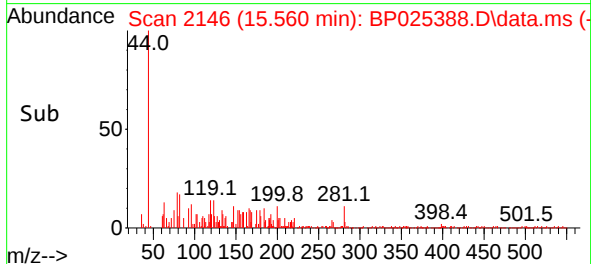
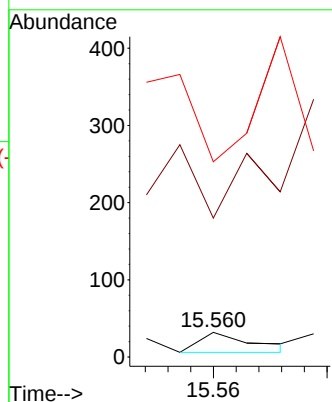
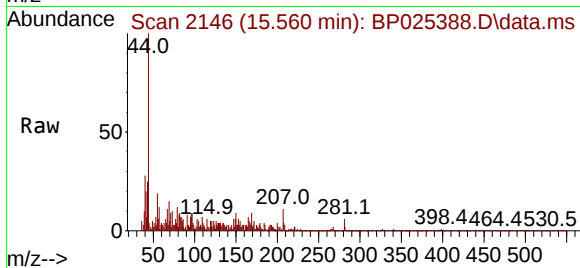




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.839 ng
 RT: 15.560 min Scan# 2146
 Delta R.T. -0.000 min
 Lab File: BP025388.D
 Acq: 13 Aug 2025 17:32

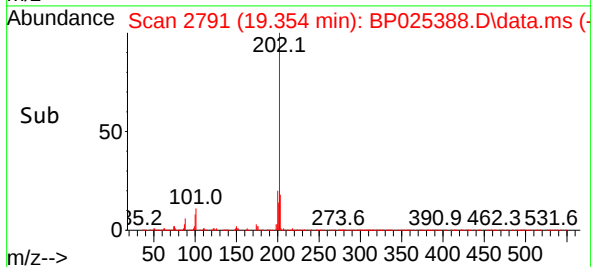
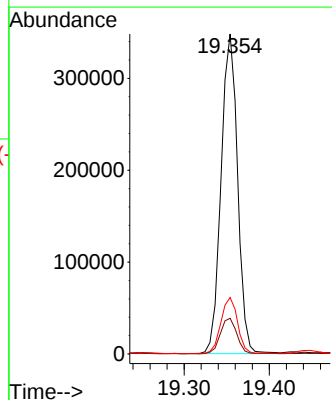
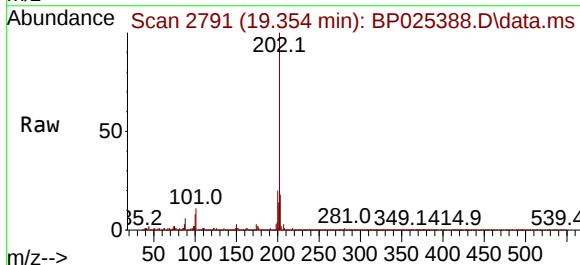
Instrument :
 BNA_P
 ClientSampleId :
 518R-S

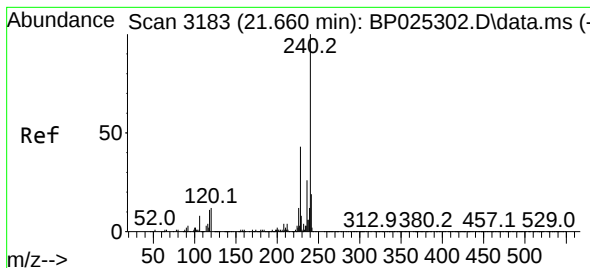
Tgt Ion:198 Resp: 17
 Ion Ratio Lower Upper
 198 100
 51 562.5 26.7 66.7#
 105 790.6 25.6 65.6#



#75
 Fluoranthene
 Concen: 7.349 ng
 RT: 19.354 min Scan# 2791
 Delta R.T. 0.012 min
 Lab File: BP025388.D
 Acq: 13 Aug 2025 17:32

Tgt Ion:202 Resp: 469275
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 32.5
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.677 min Scan# 3186

Delta R.T. 0.017 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

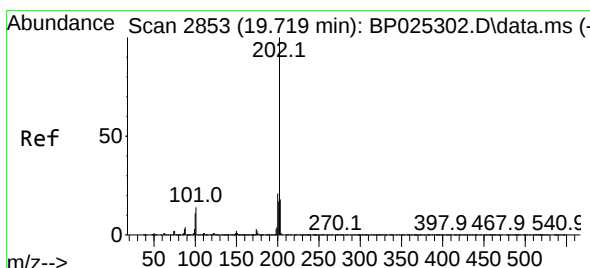
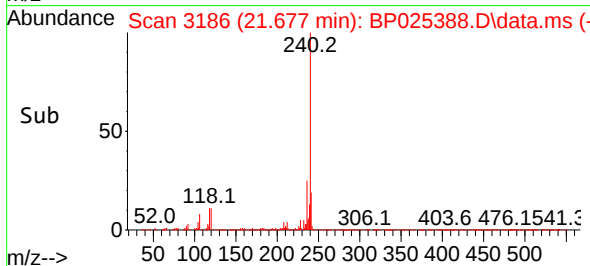
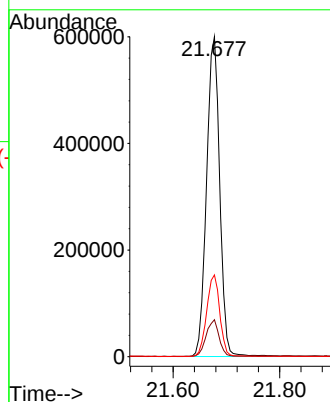
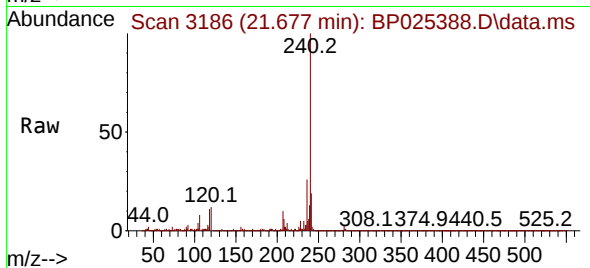
Tgt Ion:240 Resp: 1023641

Ion Ratio Lower Upper

240 100

120 11.6 9.6 14.4

236 25.5 20.4 30.6



#78

Pyrene

Concen: 6.977 ng

RT: 19.730 min Scan# 2855

Delta R.T. 0.011 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

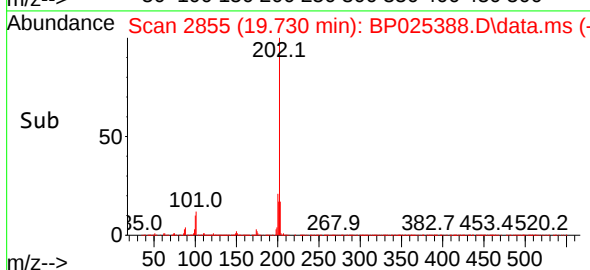
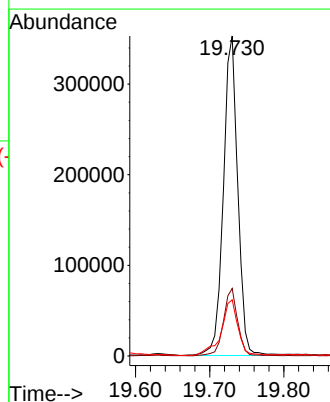
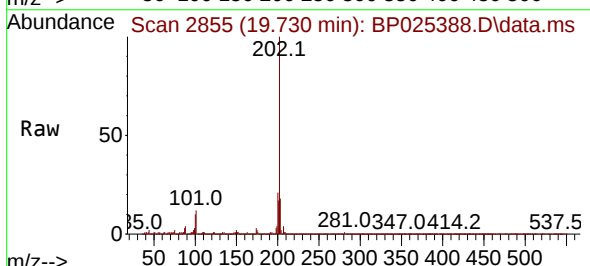
Tgt Ion:202 Resp: 474929

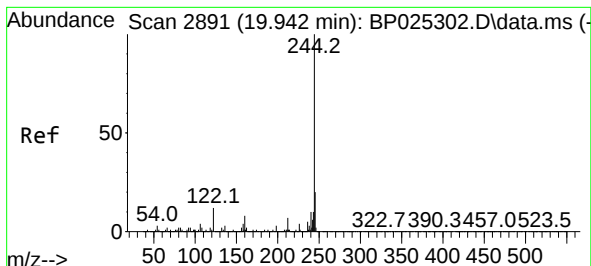
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 37.867 ng

RT: 19.942 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

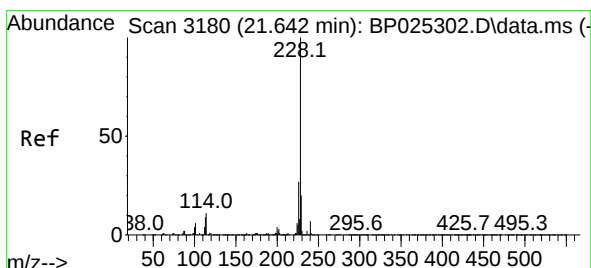
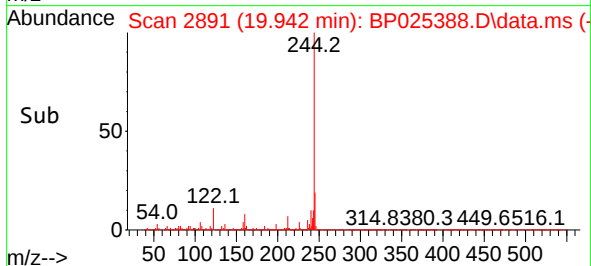
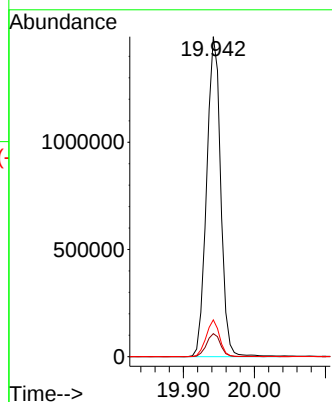
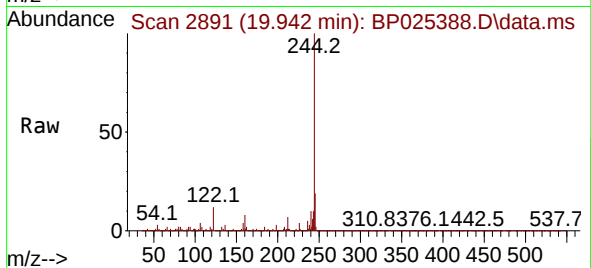
Tgt Ion:244 Resp: 2052255

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 11.5 9.5 14.3



#81

Benzo(a)anthracene

Concen: 4.338 ng

RT: 21.654 min Scan# 3182

Delta R.T. 0.012 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

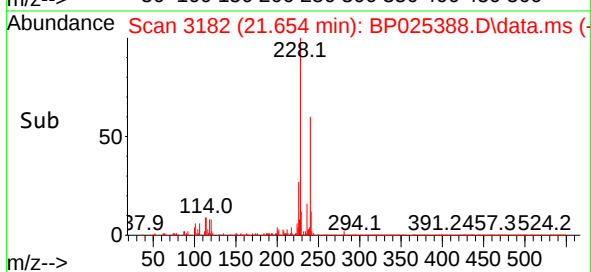
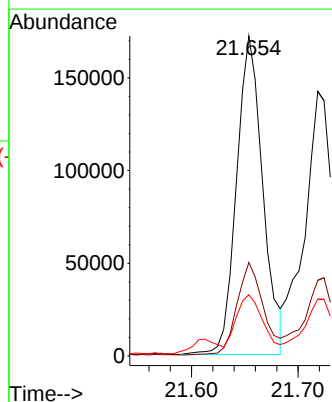
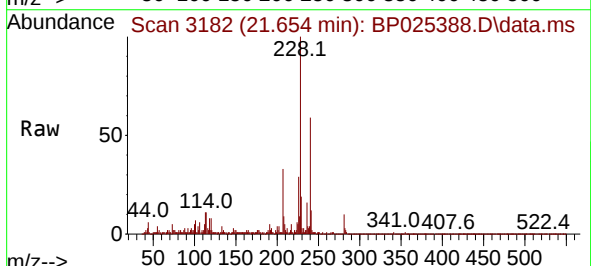
Tgt Ion:228 Resp: 295104

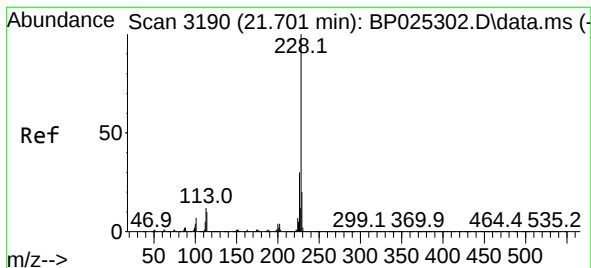
Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

229 19.1 16.0 24.0





#83

Chrysene

Concen: 4.130 ng

RT: 21.718 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

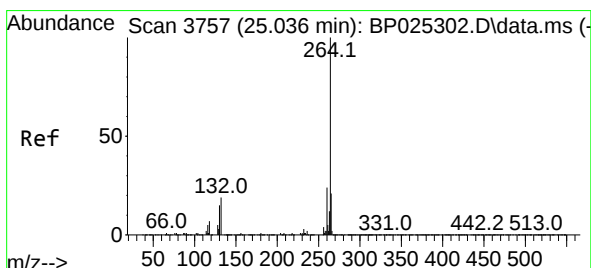
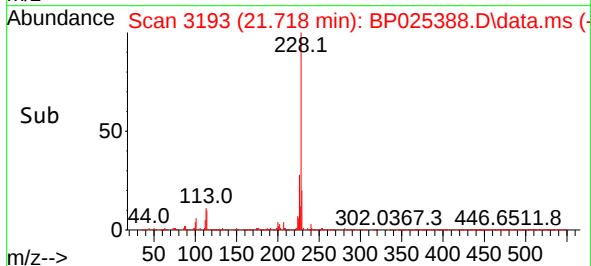
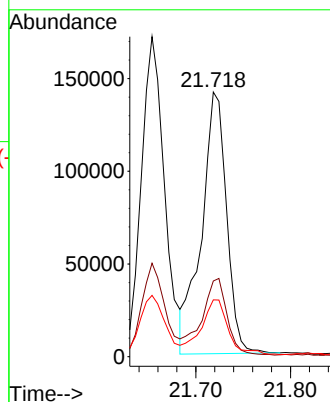
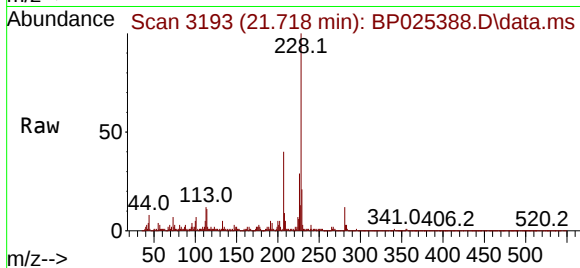
Tgt Ion:228 Resp: 260541

Ion Ratio Lower Upper

228 100

226 28.6 24.3 36.5

229 21.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.071 min Scan# 3763

Delta R.T. 0.035 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

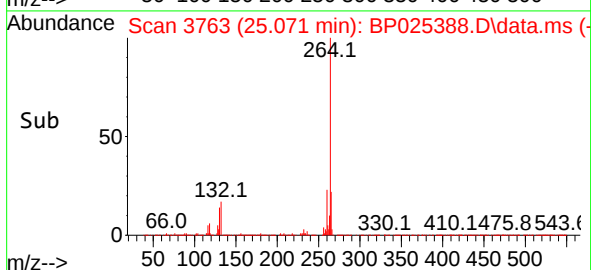
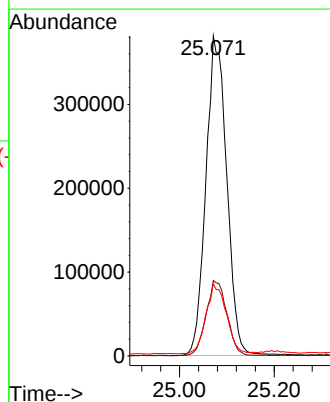
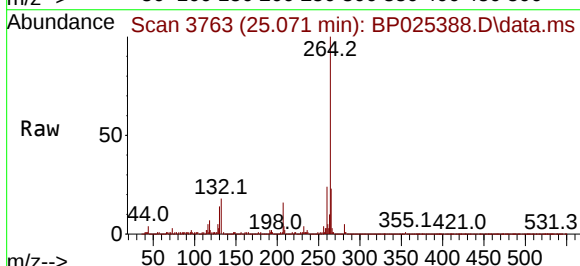
Tgt Ion:264 Resp: 1164080

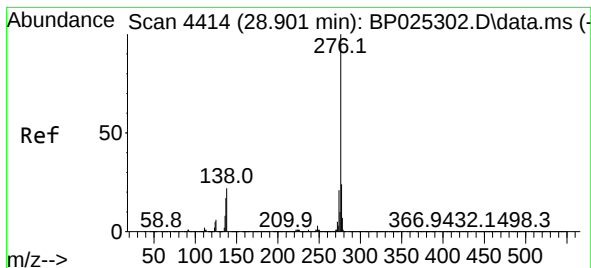
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.487 ng

RT: 28.930 min Scan# 4419

Delta R.T. 0.029 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

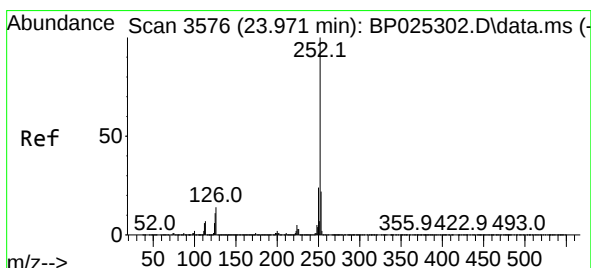
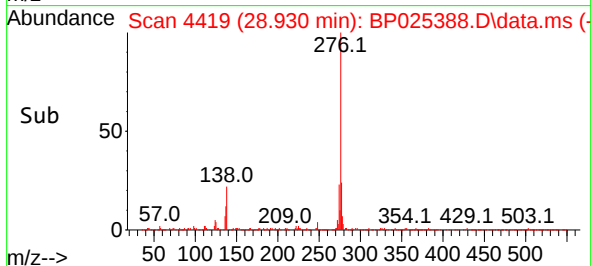
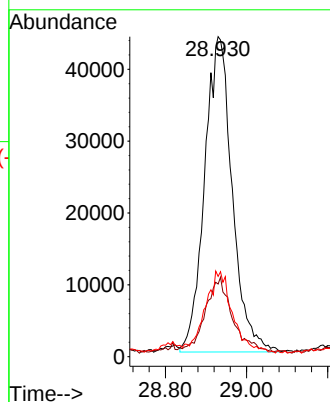
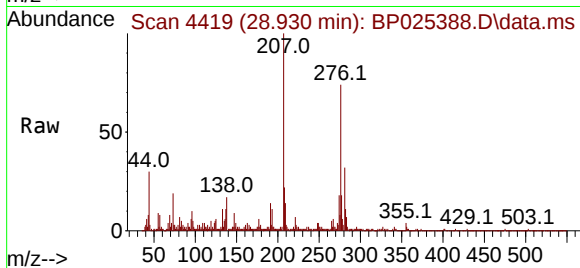
Tgt Ion:276 Resp: 207487

Ion Ratio Lower Upper

276 100

138 23.2 14.6 22.0#

277 25.9 16.8 25.2#



#88

Benzo(b)fluoranthene

Concen: 5.571 ng

RT: 23.989 min Scan# 3579

Delta R.T. 0.018 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

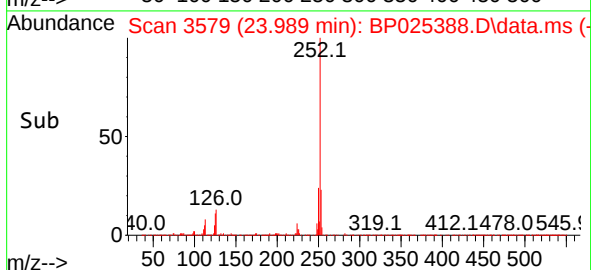
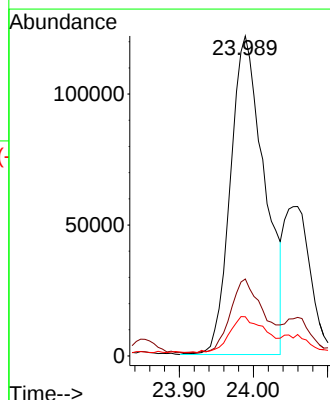
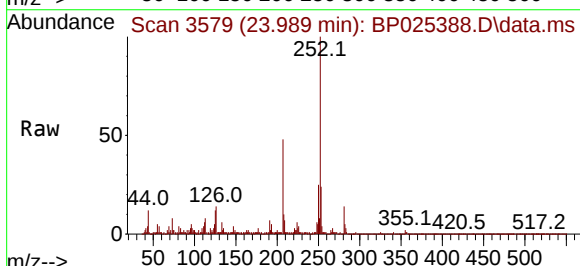
Tgt Ion:252 Resp: 388202

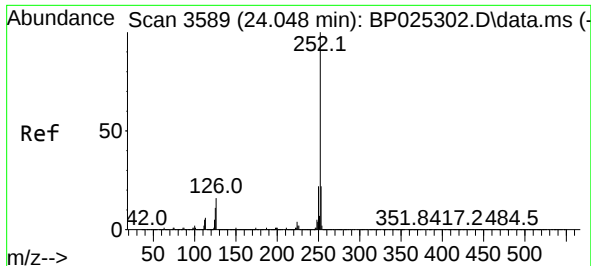
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 12.3 8.5 12.7

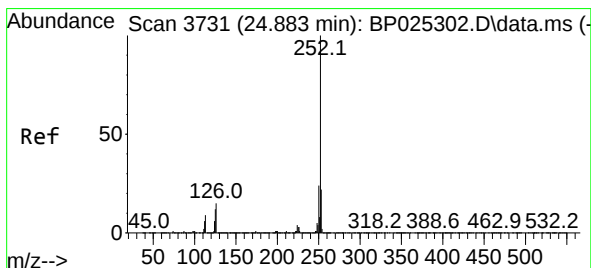
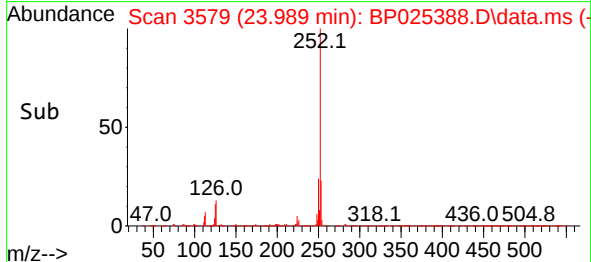
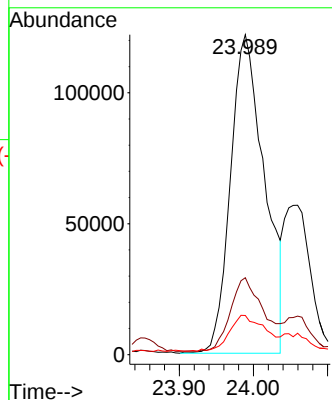
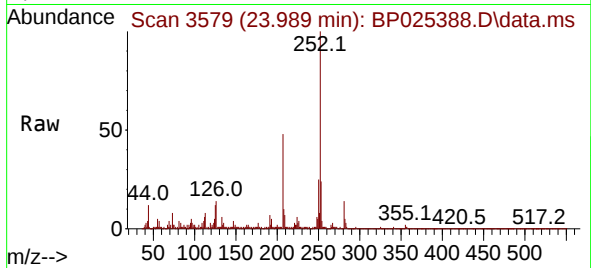




#89
Benzo(k)fluoranthene
Concen: 5.620 ng
RT: 23.989 min Scan# 3589
Delta R.T. -0.059 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

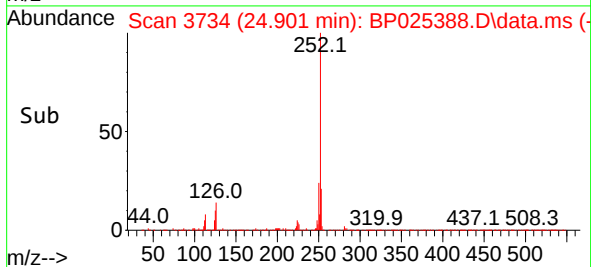
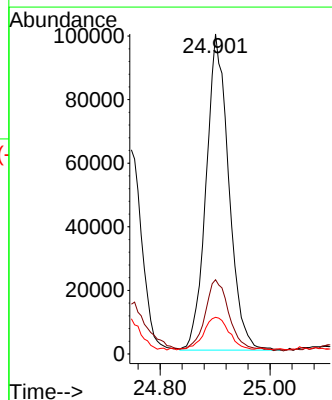
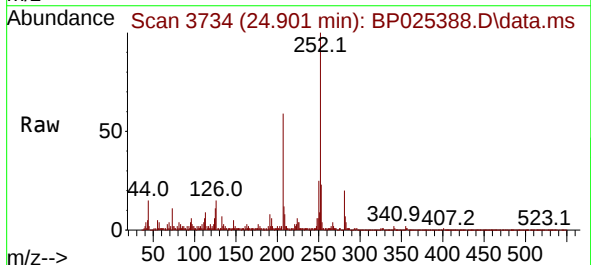
Instrument :
BNA_P
ClientSampleId :
518R-S

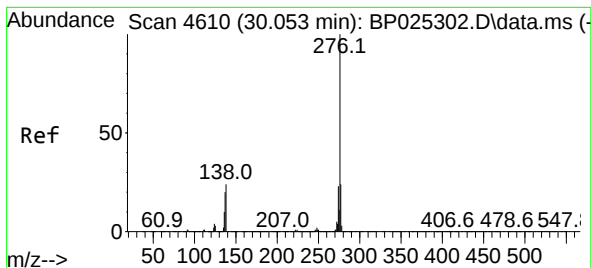
Tgt Ion:252 Resp: 388202
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 12.3 8.5 12.7



#90
Benzo(a)pyrene
Concen: 4.236 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:252 Resp: 284283
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 11.5 9.4 14.0





#92

Benzo(g,h,i)perylene

Concen: 3.075 ng

RT: 30.124 min Scan# 4622

Delta R.T. 0.071 min

Lab File: BP025388.D

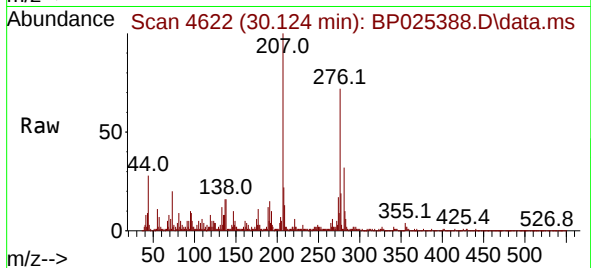
Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S



Tgt Ion: 276 Resp: 206251

Ion Ratio Lower Upper

276 100

277 26.2 19.3 28.9

138 22.2 19.1 28.7

