

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025592.D
 Acq On : 26 Aug 2025 19:22
 Operator : CG/JU
 Sample : Q2947-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 235

Quant Time: Aug 27 01:03:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

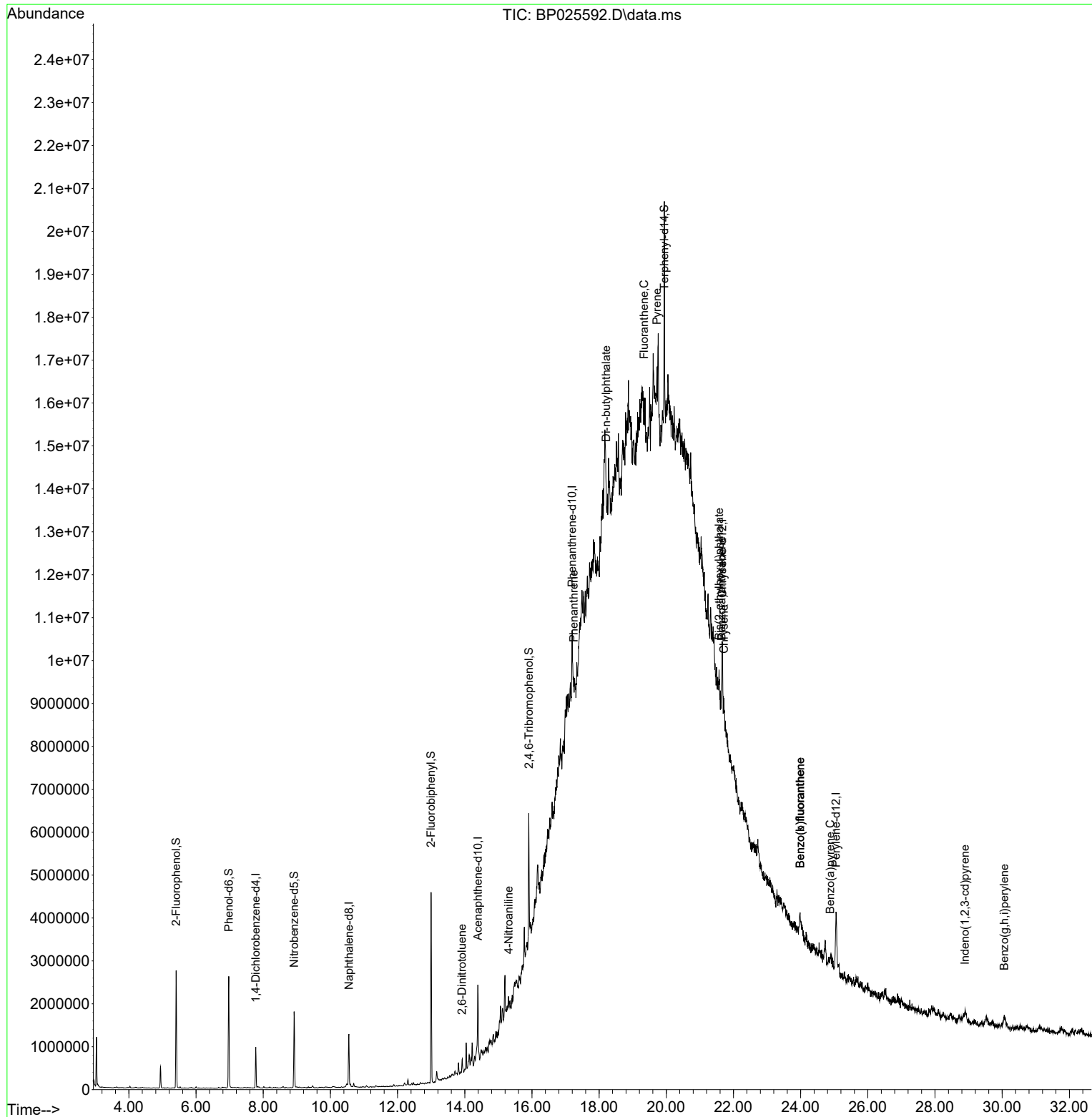
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	253724	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	1014051	20.000	ng	-0.01
39) Acenaphthene-d10	14.390	164	633465	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	962486	20.000	ng	# 0.00
76) Chrysene-d12	21.666	240	1134739	20.000	ng	0.02
86) Perylene-d12	25.054	264	1409406	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1204144	78.815	ng	0.00
7) Phenol-d6	6.972	99	1557641	79.521	ng	0.00
23) Nitrobenzene-d5	8.919	82	1010893	50.428	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	678179	79.538	ng	0.00
45) 2-Fluorobiphenyl	12.996	172	2392741	51.623	ng	-0.02
79) Terphenyl-d14	19.942	244	3007178	48.486	ng	0.02
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	13.919	165	42082	4.304	ng	# 31
62) 4-Nitroaniline	15.307	138	35795	3.174	ng	88
71) Phenanthrene	17.242	178	187552	3.547	ng	# 40
74) Di-n-butylphthalate	18.207	149	180398	2.883	ng	# 48
75) Fluoranthene	19.336	202	439634	6.971	ng	76
78) Pyrene	19.719	202	538113	7.296	ng	# 82
81) Benzo(a)anthracene	21.642	228	278495	3.721	ng	# 77
83) Chrysene	21.713	228	372008	5.308	ng	# 83
84) Bis(2-ethylhexyl)phtha...	21.577	149	308767	6.275	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.895	276	376950	3.647	ng	# 93
88) Benzo(b)fluoranthene	23.983	252	624802	7.518	ng	# 86
89) Benzo(k)fluoranthene	23.983	252	624802	7.513	ng	# 85
90) Benzo(a)pyrene	24.883	252	358263	4.428	ng	# 82
92) Benzo(g,h,i)perylene	30.065	276	455709	5.489	ng	95

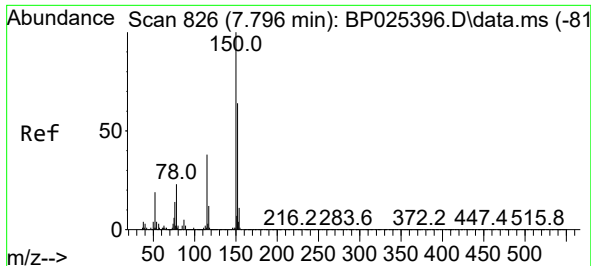
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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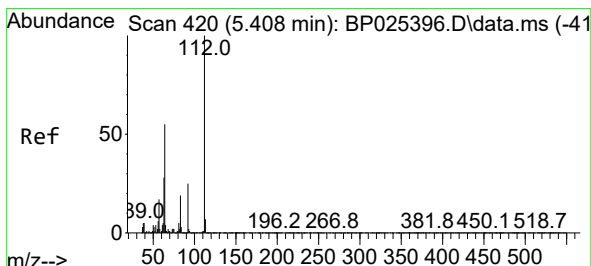
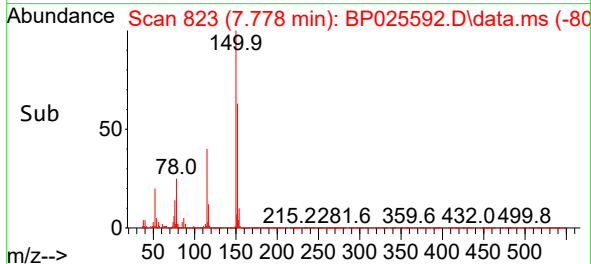
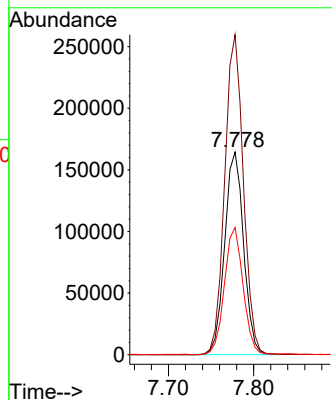
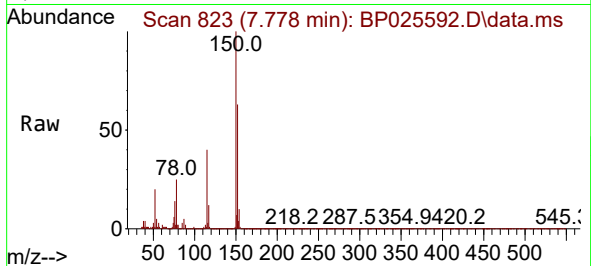




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

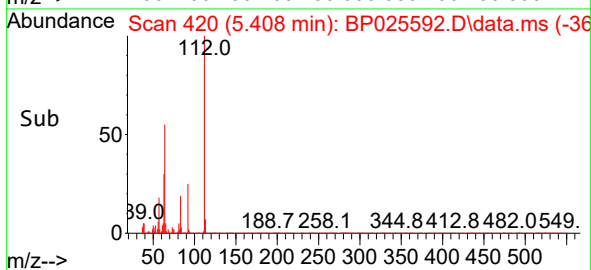
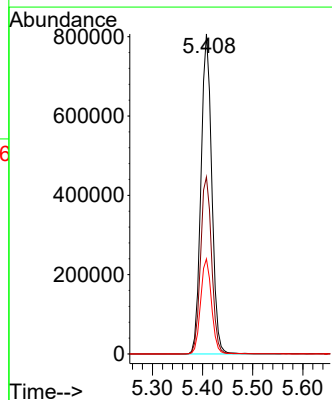
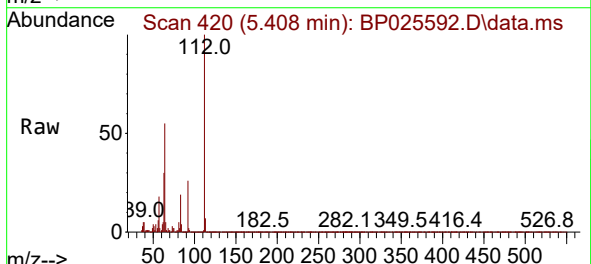
Instrument :
BNA_P
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235

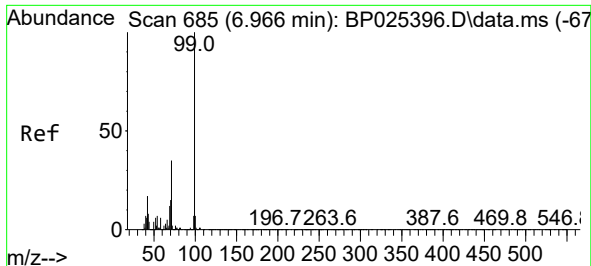
Tgt Ion:152 Resp: 253724
Ion Ratio Lower Upper
152 100
150 158.0 125.9 188.9
115 62.8 48.5 72.7



#5
2-Fluorophenol
Concen: 78.815 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:112 Resp: 1204144
Ion Ratio Lower Upper
112 100
64 55.3 43.8 65.8
63 29.7 22.7 34.1

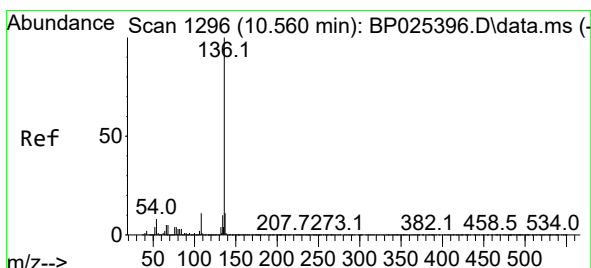
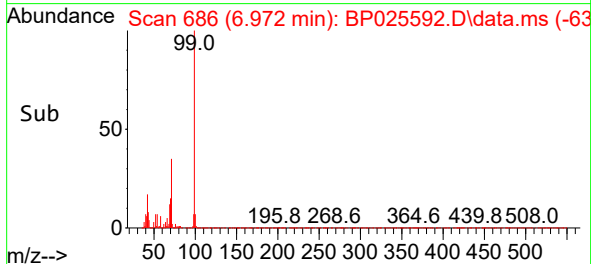
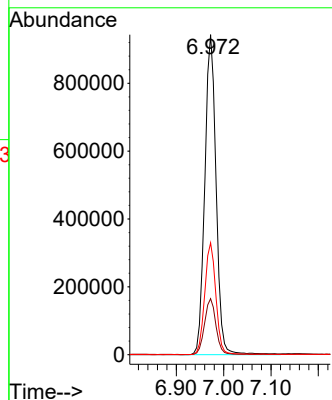
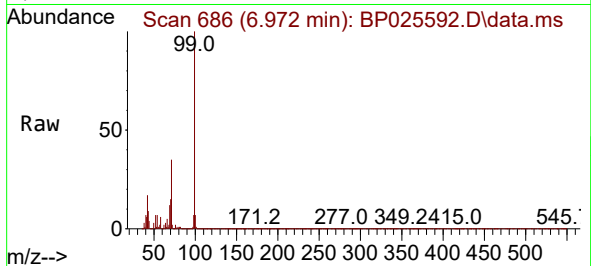




#7
Phenol-d6
Concen: 79.521 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

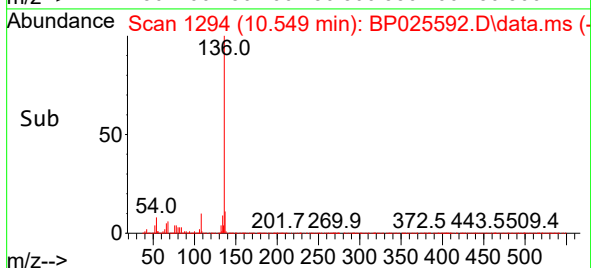
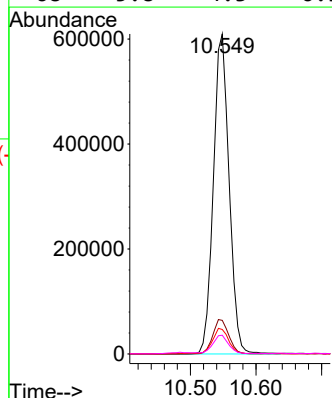
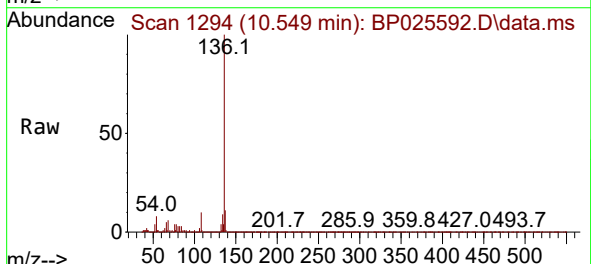
Instrument :
BNA_P
ClientSampleId :
235

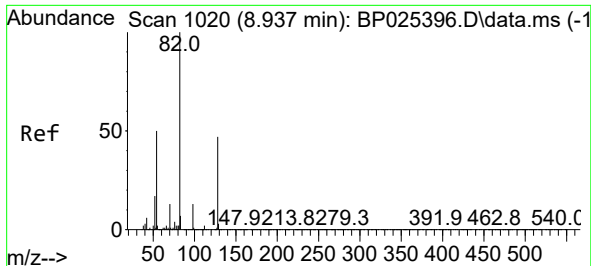
Tgt Ion: 99 Resp: 1557641
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 34.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion: 136 Resp: 1014051
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 7.6 6.0 9.0
68 5.8 4.3 6.5

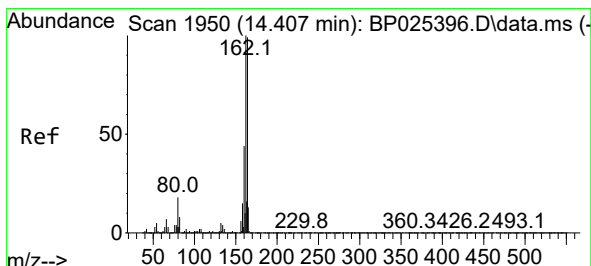
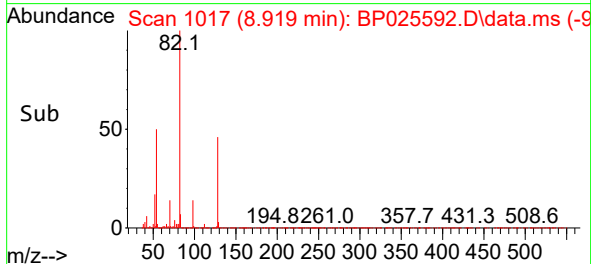
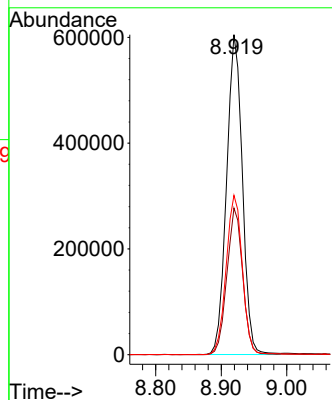
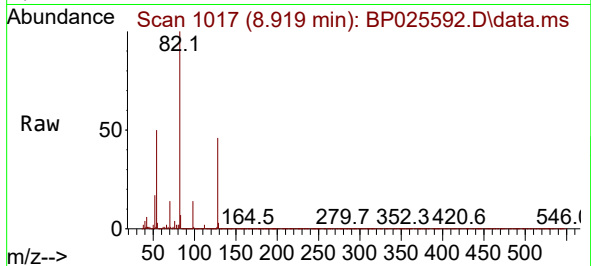




#23
Nitrobenzene-d5
Concen: 50.428 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.018 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

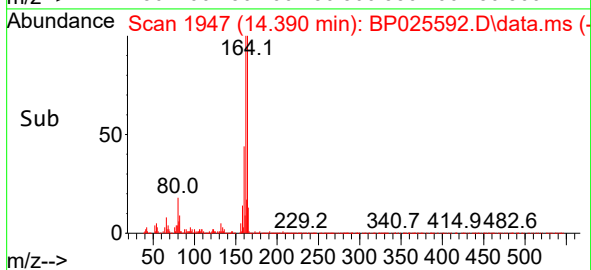
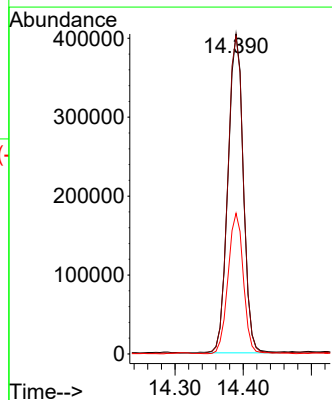
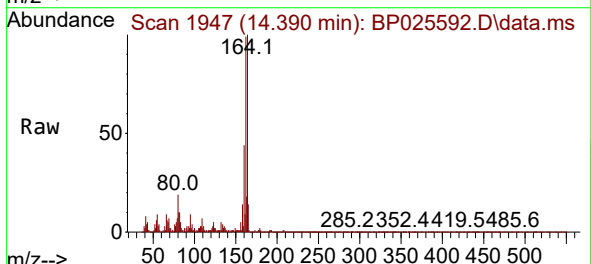
Instrument :
BNA_P
ClientSampleId :
235

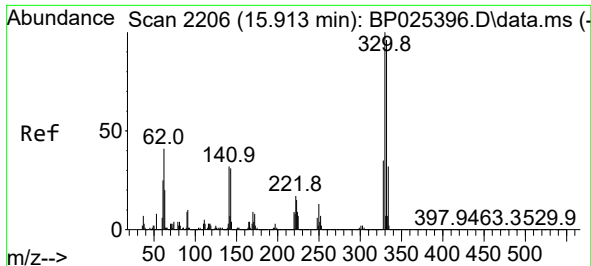
Tgt Ion: 82 Resp: 1010893
Ion Ratio Lower Upper
82 100
128 45.8 37.7 56.5
54 49.8 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:164 Resp: 633465
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.6
160 43.9 35.4 53.2

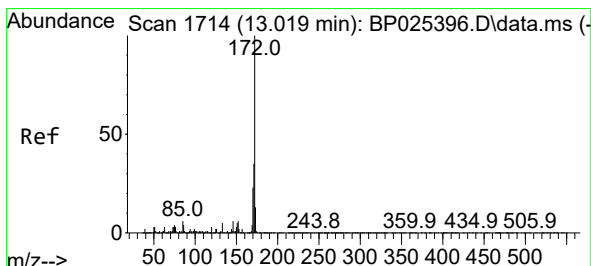
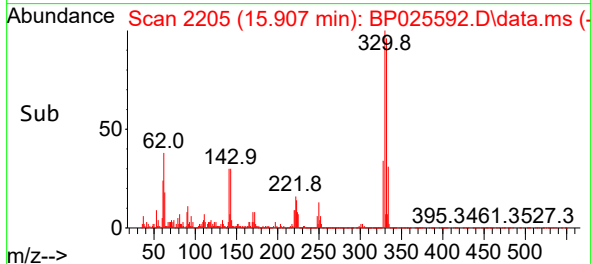
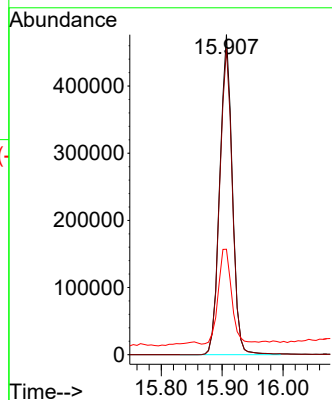
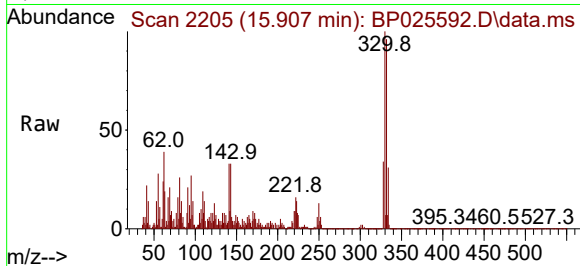




#42
2,4,6-Tribromophenol
Concen: 79.538 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

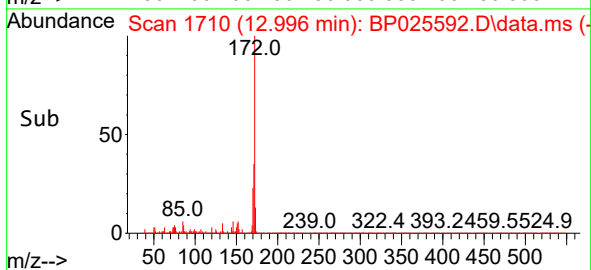
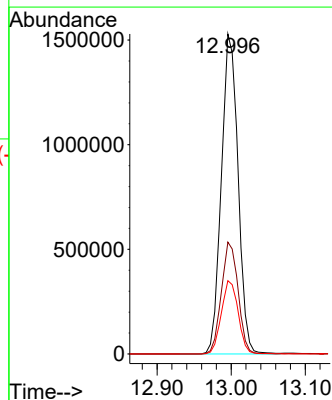
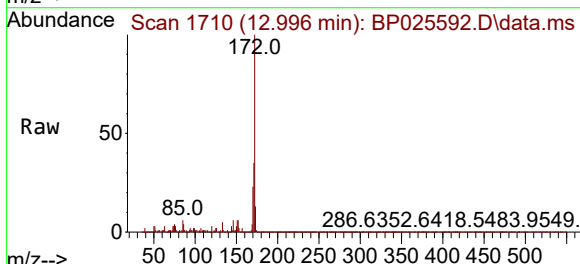
Instrument :
BNA_P
ClientSampleId :
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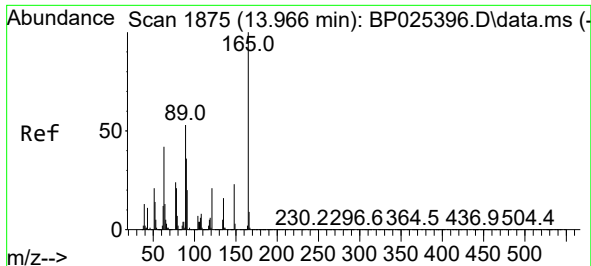
Tgt Ion:330 Resp: 678179
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 32.1 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 51.623 ng
RT: 12.996 min Scan# 1710
Delta R.T. -0.023 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:172 Resp: 2392741
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.9 18.6 28.0

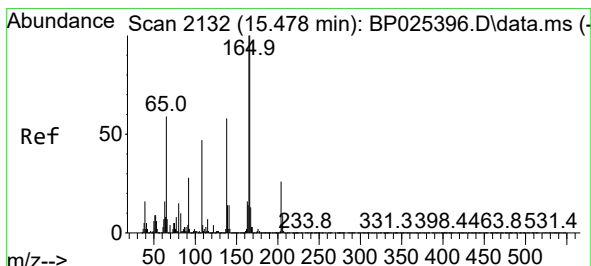
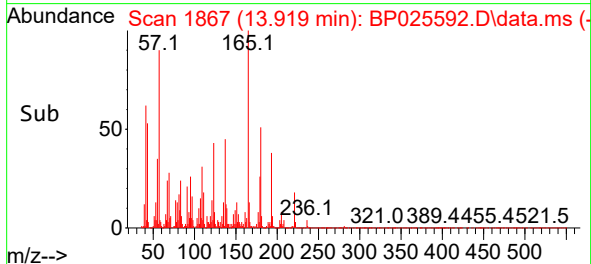
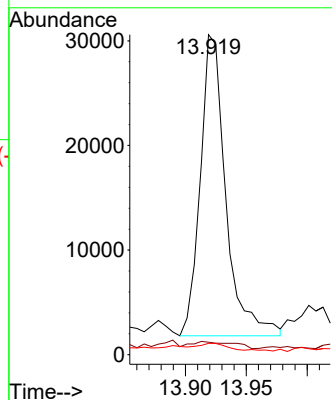
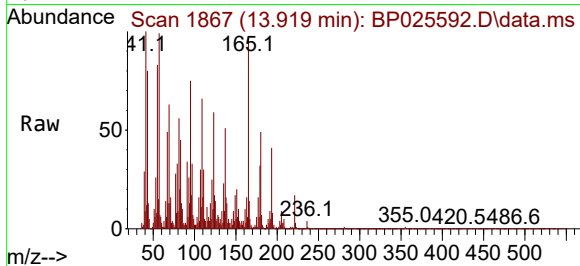




#51
2,6-Dinitrotoluene
Concen: 4.304 ng
RT: 13.919 min Scan# 11
Delta R.T. -0.047 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

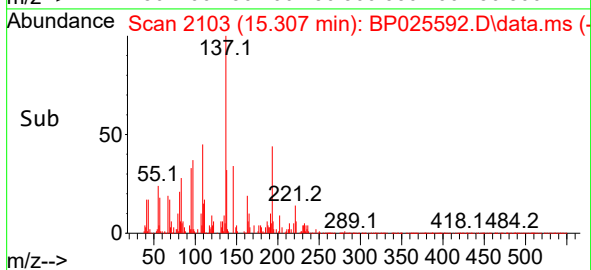
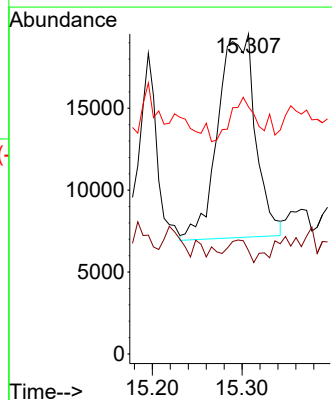
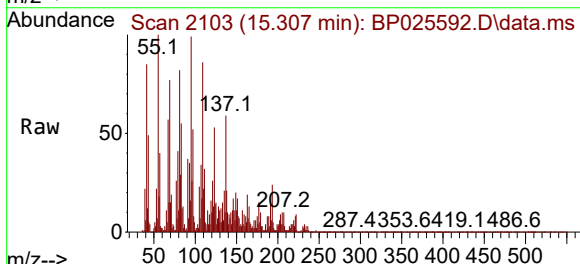
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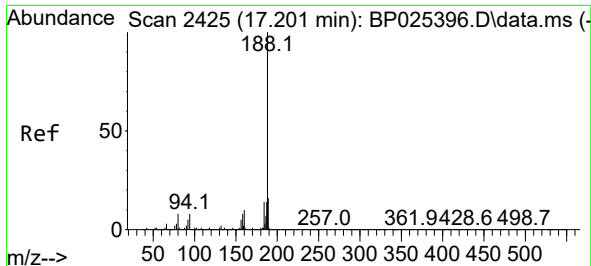
Tgt Ion:165 Resp: 42082
Ion Ratio Lower Upper
165 100
63 3.9 40.9 61.3#
89 3.5 42.1 63.1#



#62
4-Nitroaniline
Concen: 3.174 ng
RT: 15.307 min Scan# 2103
Delta R.T. -0.170 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:138 Resp: 35795
Ion Ratio Lower Upper
138 100
92 32.2 29.1 69.1
108 77.2 61.5 101.5

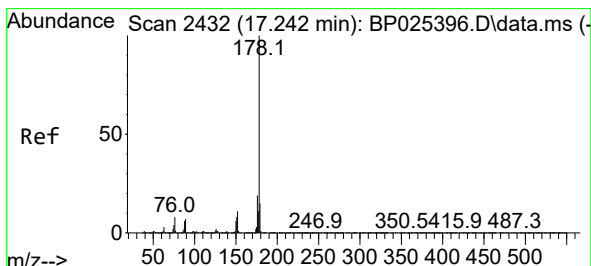
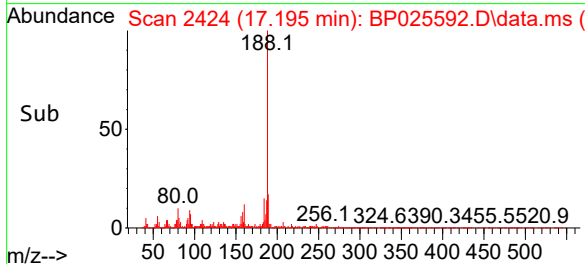
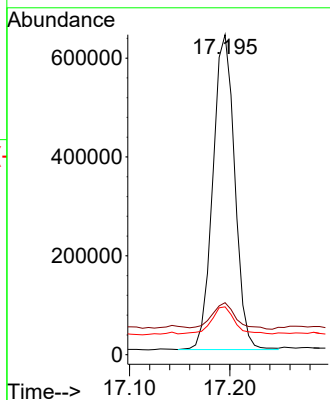
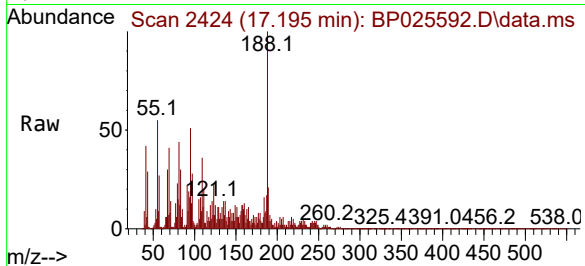




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

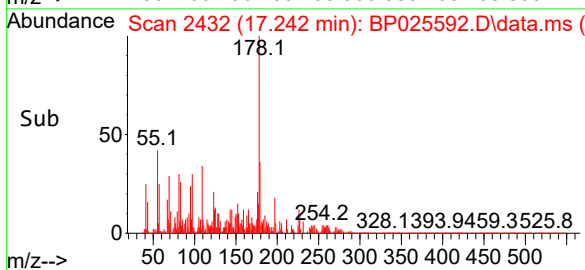
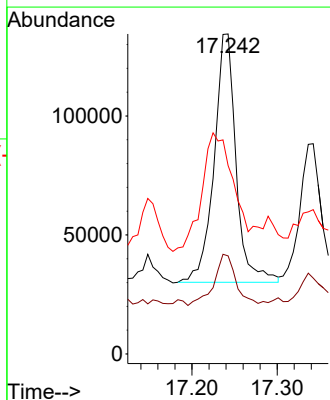
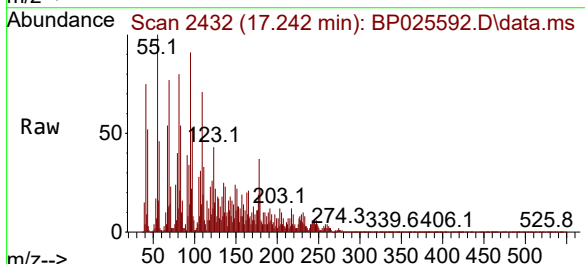
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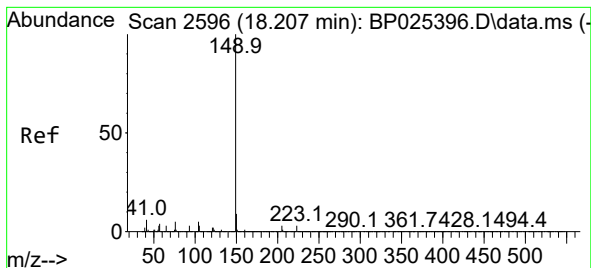
Tgt Ion:188 Resp: 962486
Ion Ratio Lower Upper
188 100
94 16.2 6.6 10.0#
80 15.0 6.7 10.1#



#71
Phenanthrene
Concen: 3.547 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:178 Resp: 187552
Ion Ratio Lower Upper
178 100
176 30.7 15.5 23.3#
179 58.9 12.2 18.4#





#74

Di-n-butylphthalate

Concen: 2.883 ng

RT: 18.207 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

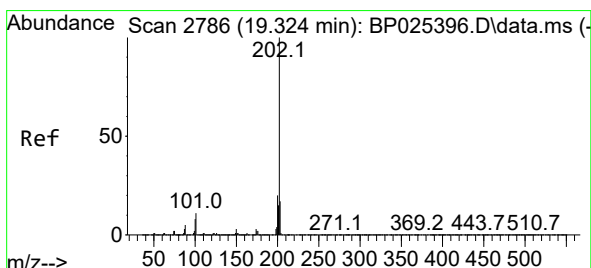
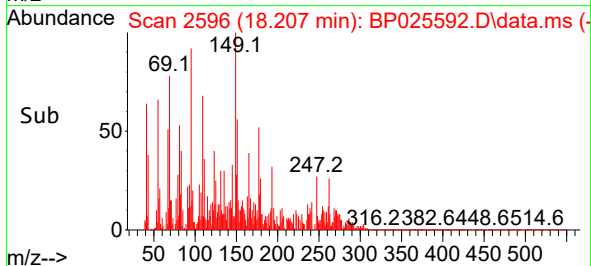
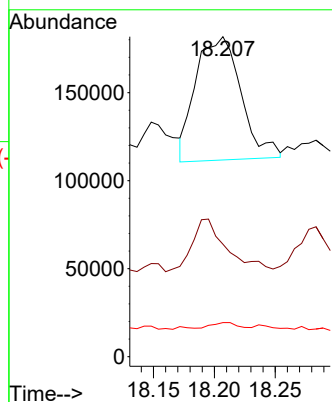
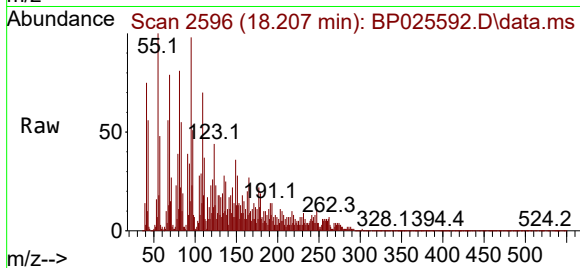
Tgt Ion:149 Resp: 180398

Ion Ratio Lower Upper

149 100

150 35.2 7.4 11.0#

104 10.6 4.2 6.2#



#75

Fluoranthene

Concen: 6.971 ng

RT: 19.336 min Scan# 2788

Delta R.T. 0.012 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

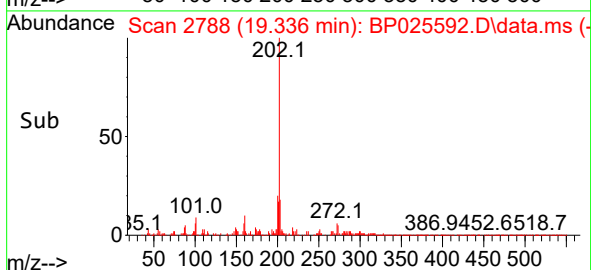
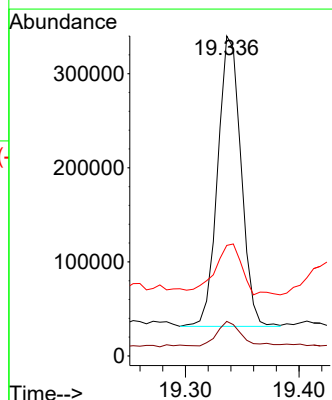
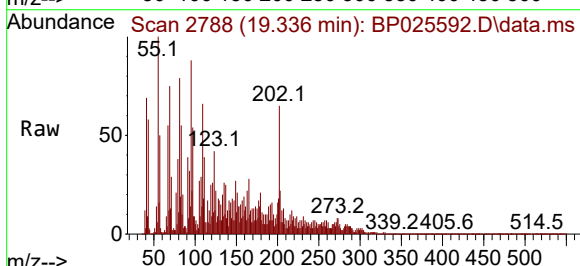
Tgt Ion:202 Resp: 439634

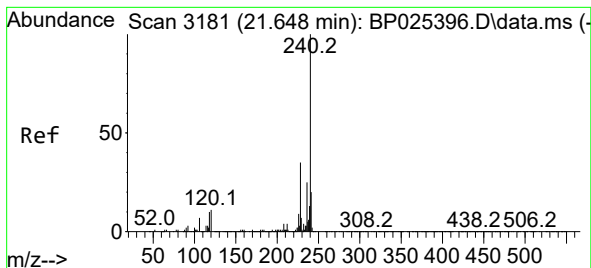
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.1

203 34.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.666 min Scan# 3181

Delta R.T. 0.018 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

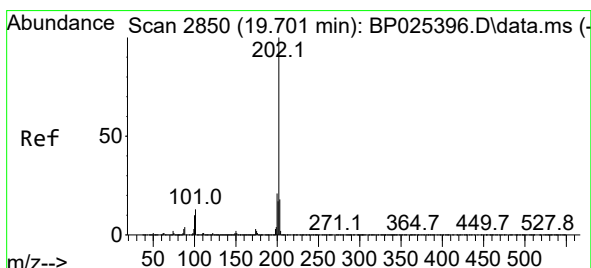
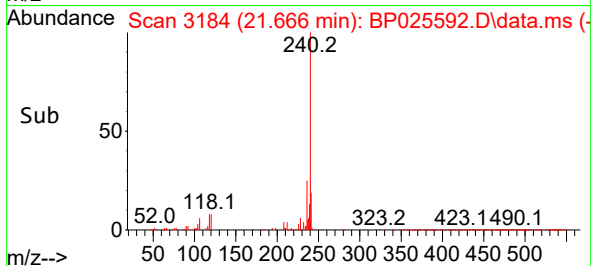
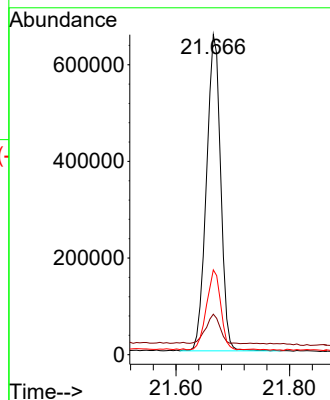
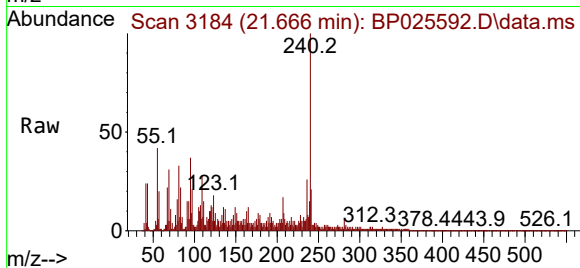
Tgt Ion:240 Resp: 1134739

Ion Ratio Lower Upper

240 100

120 12.7 8.9 13.3

236 26.5 19.8 29.8



#78

Pyrene

Concen: 7.296 ng

RT: 19.719 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

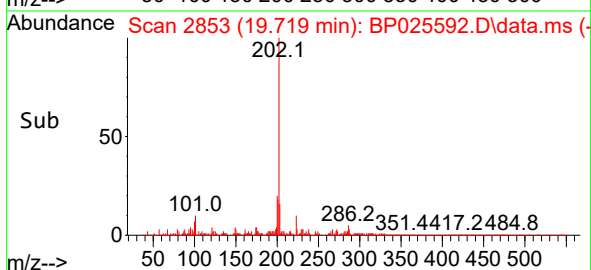
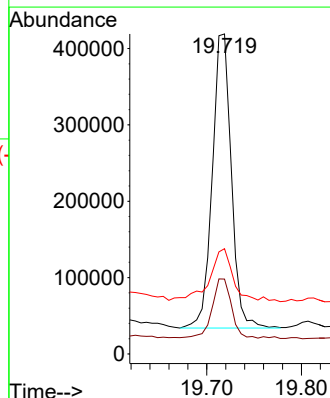
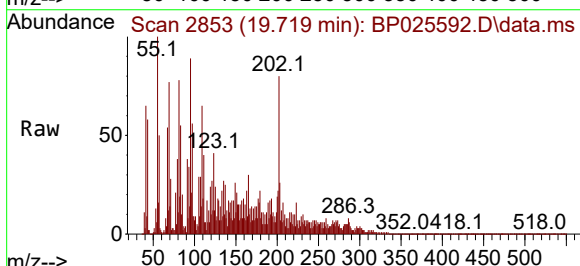
Tgt Ion:202 Resp: 538113

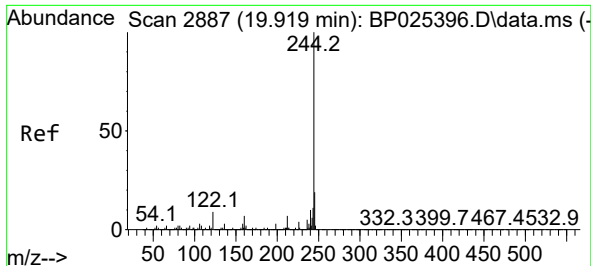
Ion Ratio Lower Upper

202 100

200 23.4 16.9 25.3

203 32.9 14.2 21.2#

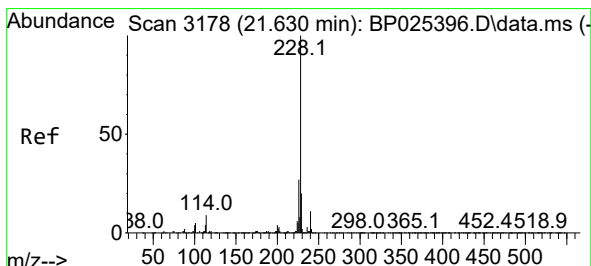
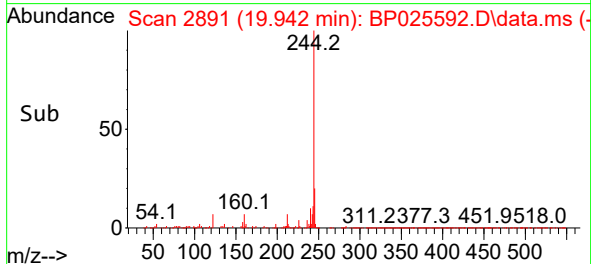
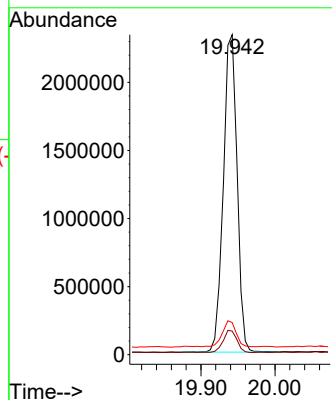
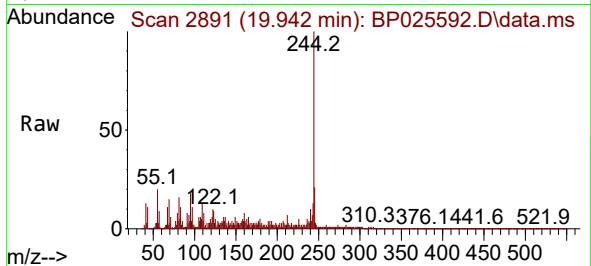




#79
 Terphenyl-d14
 Concen: 48.486 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BP025592.D
 Acq: 26 Aug 2025 19:22

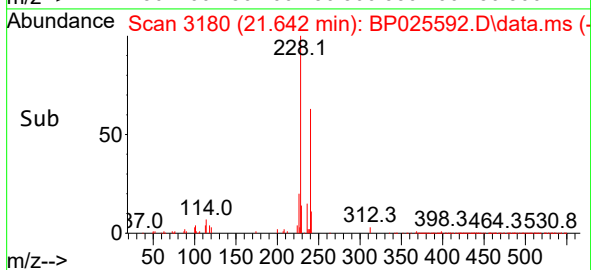
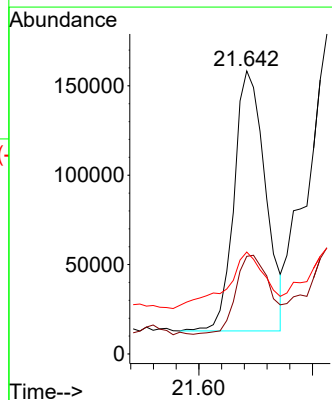
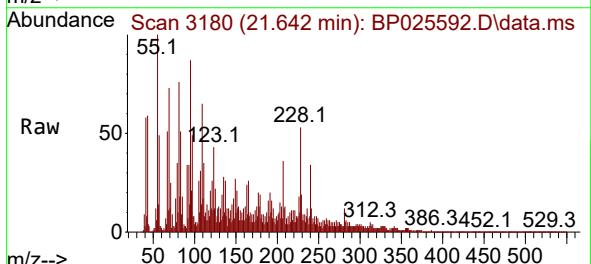
Instrument :
 BNA_P
 ClientSampleId :
 235

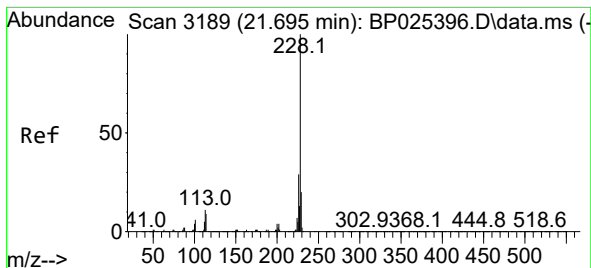
Tgt Ion:244 Resp: 3007178
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.1 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 3.721 ng
 RT: 21.642 min Scan# 3180
 Delta R.T. 0.012 min
 Lab File: BP025592.D
 Acq: 26 Aug 2025 19:22

Tgt Ion:228 Resp: 278495
 Ion Ratio Lower Upper
 228 100
 226 34.5 21.7 32.5#
 229 36.0 15.6 23.4#





#83

Chrysene

Concen: 5.308 ng

RT: 21.713 min Scan# 3189

Delta R.T. 0.018 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

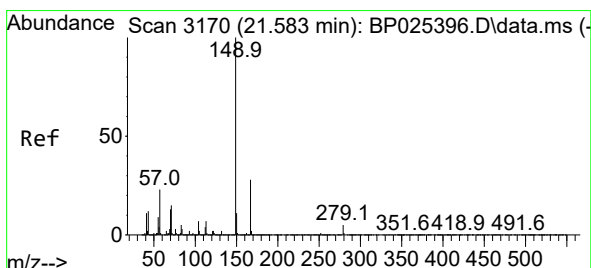
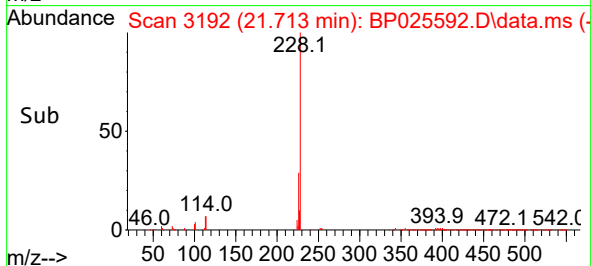
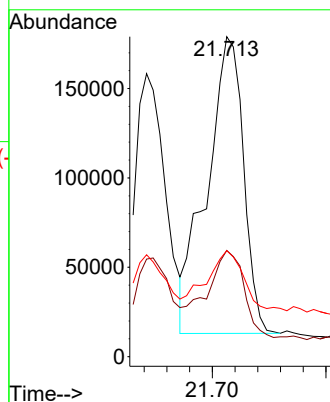
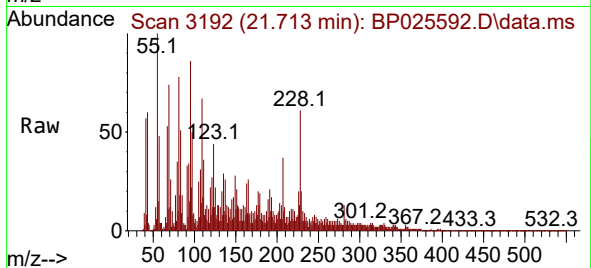
Tgt Ion:228 Resp: 372008

Ion Ratio Lower Upper

228 100

226 33.2 23.2 34.8

229 33.1 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.275 ng

RT: 21.577 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

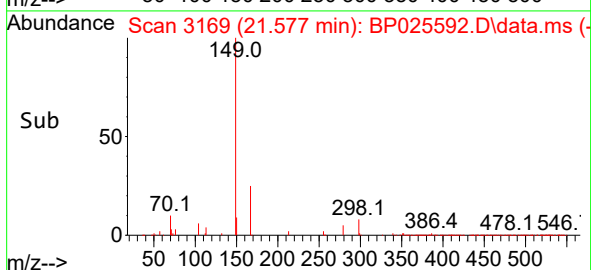
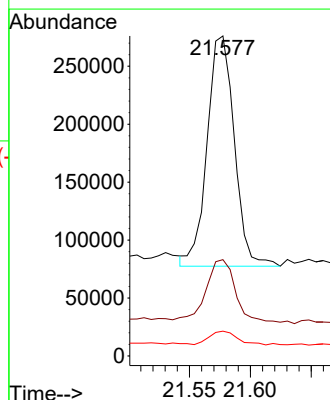
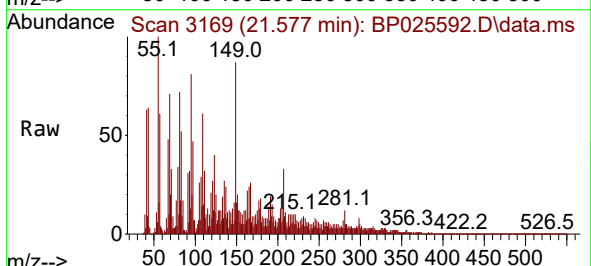
Tgt Ion:149 Resp: 308767

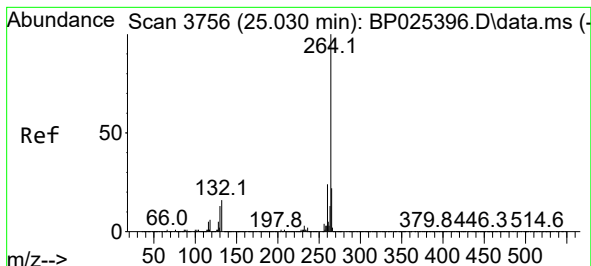
Ion Ratio Lower Upper

149 100

167 30.1 22.1 33.1

279 7.7 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.054 min Scan# 31

Delta R.T. 0.024 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

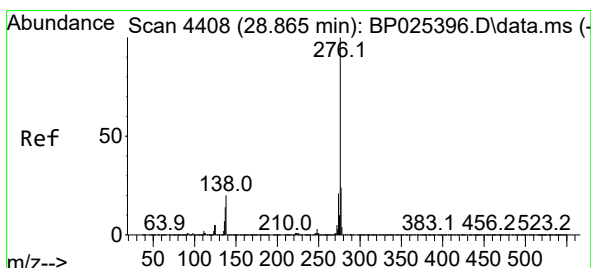
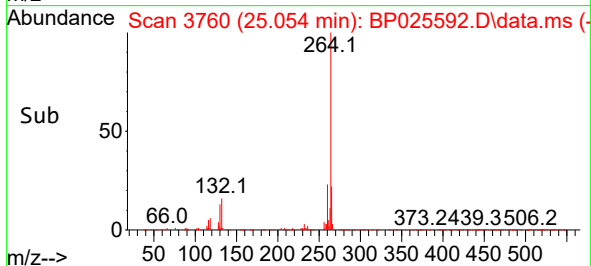
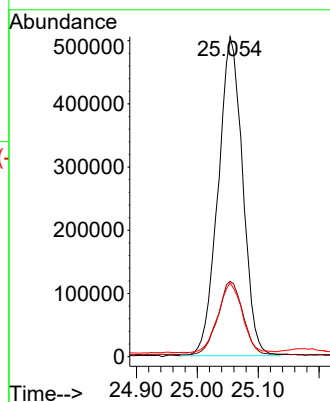
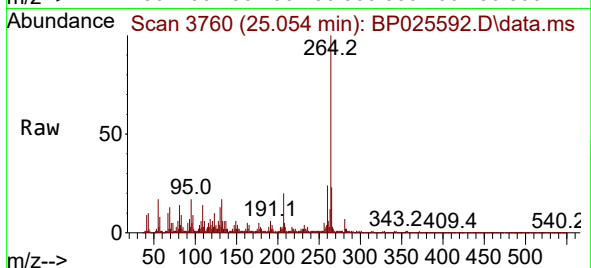
Tgt Ion:264 Resp: 1409406

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 23.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.647 ng

RT: 28.895 min Scan# 4413

Delta R.T. 0.030 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

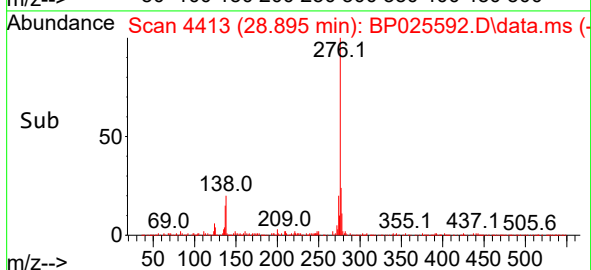
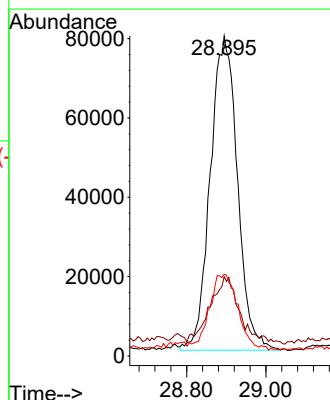
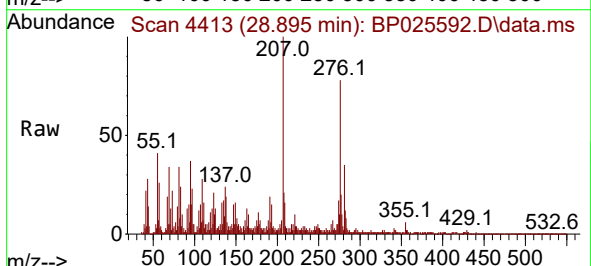
Tgt Ion:276 Resp: 376950

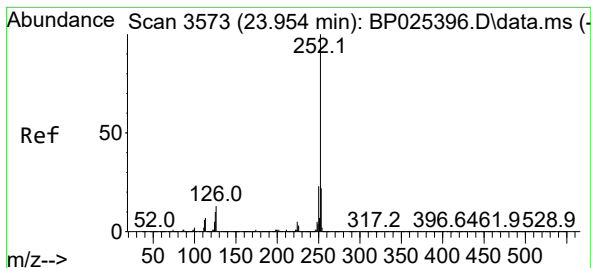
Ion Ratio Lower Upper

276 100

138 21.2 12.9 19.3#

277 22.9 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 7.518 ng

RT: 23.983 min Scan# 3578

Delta R.T. 0.030 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

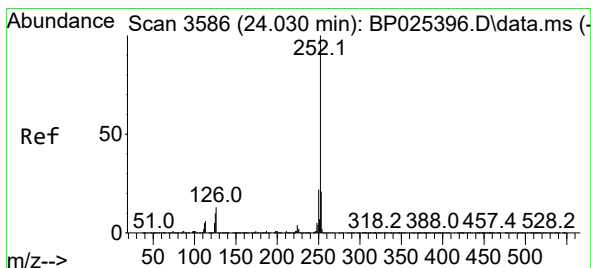
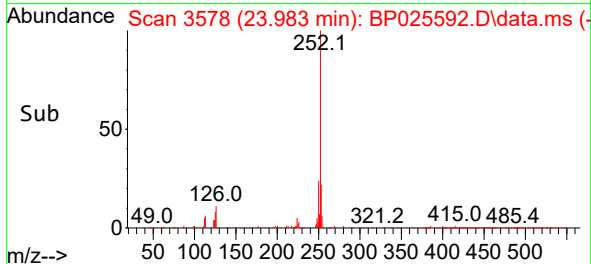
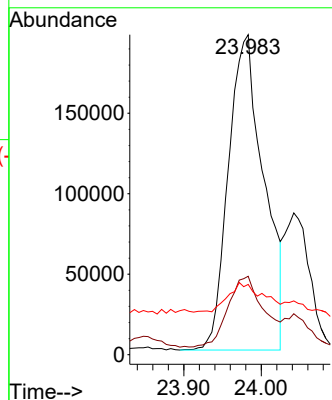
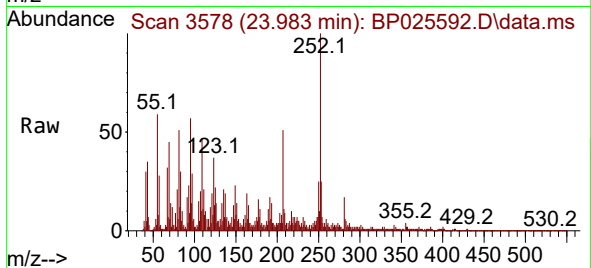
Tgt Ion:252 Resp: 624802

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 21.9 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 7.513 ng

RT: 23.983 min Scan# 3578

Delta R.T. -0.047 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

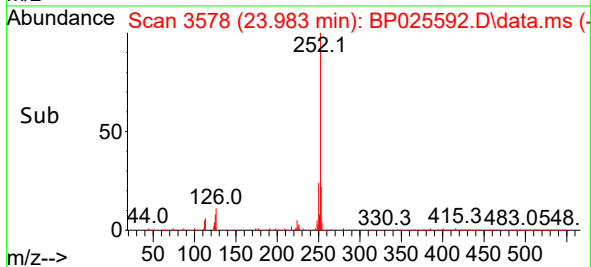
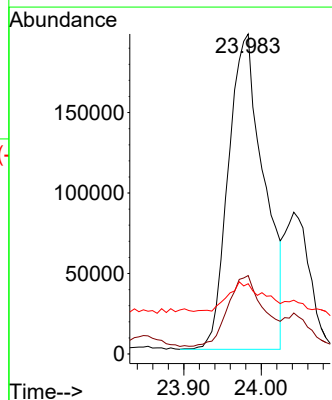
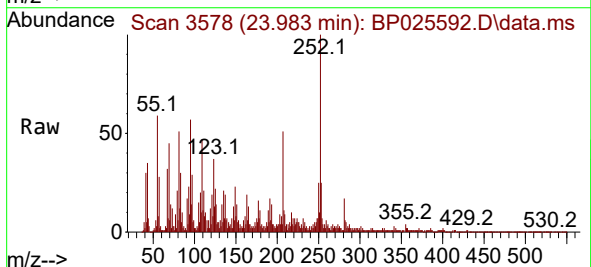
Tgt Ion:252 Resp: 624802

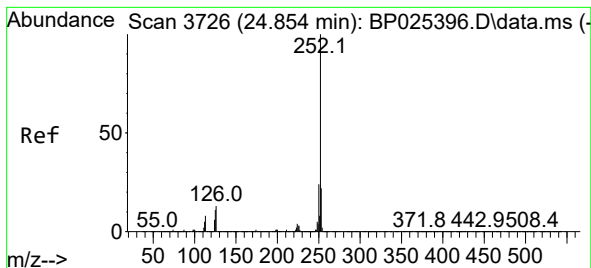
Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 21.9 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 4.428 ng

RT: 24.883 min Scan# 31

Delta R.T. 0.030 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

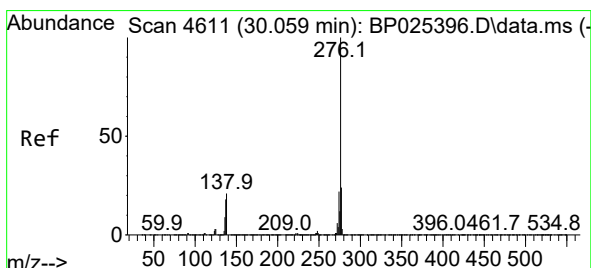
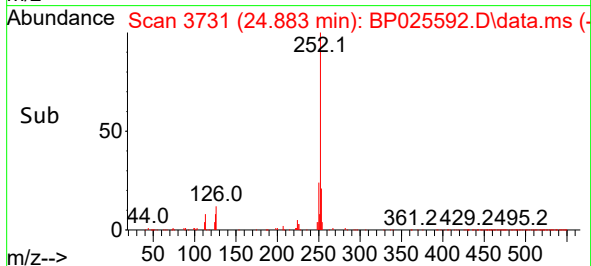
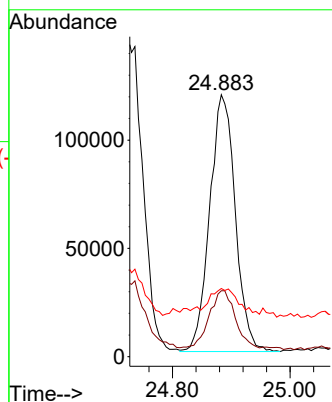
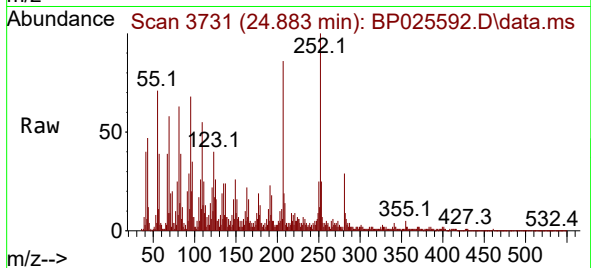
Tgt Ion:252 Resp: 358263

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 26.0 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 5.489 ng

RT: 30.065 min Scan# 4612

Delta R.T. 0.006 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Tgt Ion:276 Resp: 455709

Ion Ratio Lower Upper

276 100

277 26.4 19.4 29.0

138 23.9 16.7 25.1

