

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025135.D
 Acq On : 15 Jul 2025 01:22
 Operator : CG/JU
 Sample : Q2564-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ARS20-0039

Quant Time: Jul 15 03:35:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

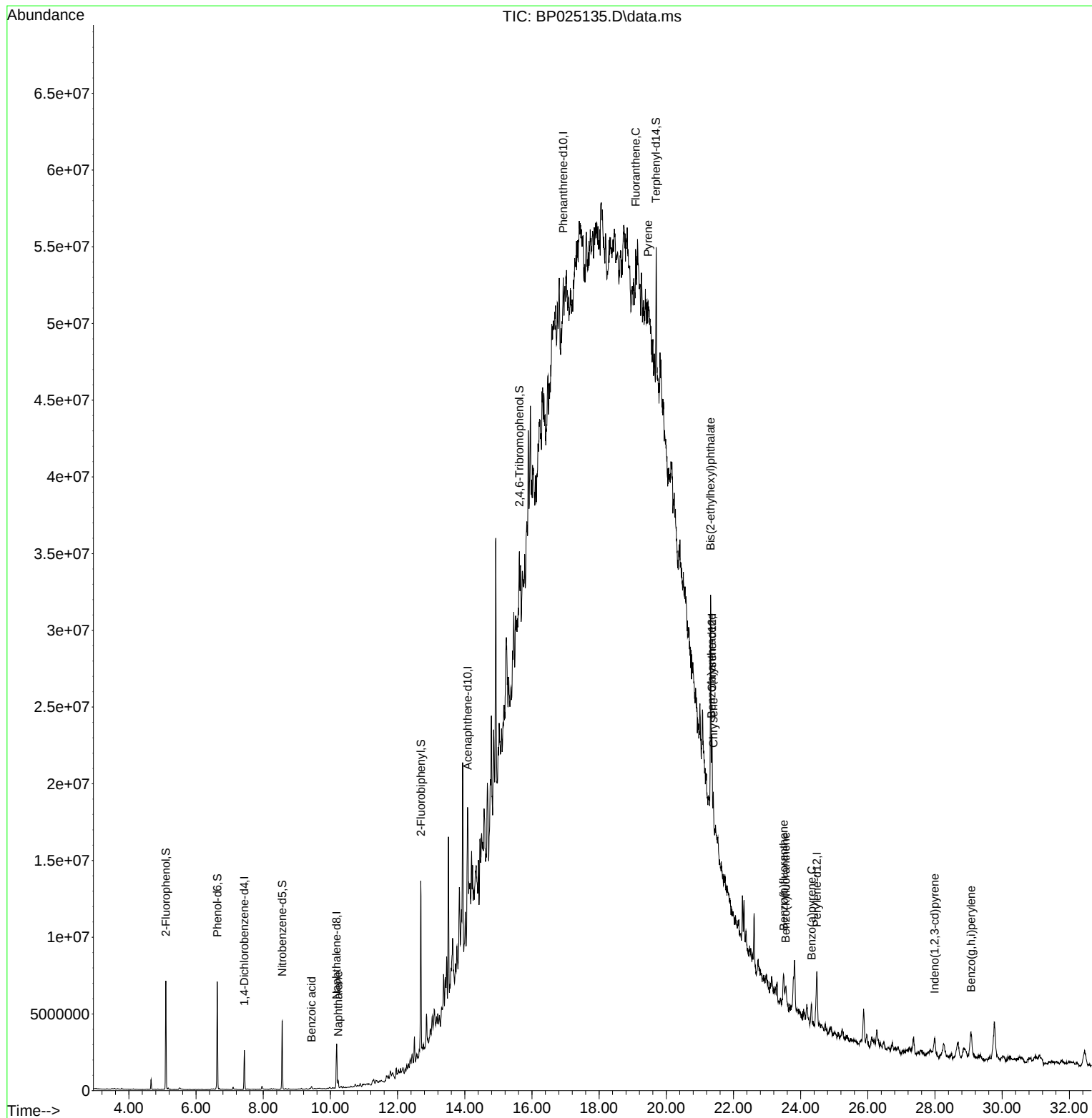
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	730589	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	2693811	20.000	ng	0.00
39) Acenaphthene-d10	14.090	164	1383816	20.000	ng	0.00
64) Phenanthrene-d10	16.931	188	1992289	20.000	ng	# 0.02
76) Chrysene-d12	21.360	240	3152088	20.000	ng	0.02
86) Perylene-d12	24.483	264	3713074	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	3142721	76.218	ng	0.00
7) Phenol-d6	6.631	99	3806111	70.734	ng	0.00
23) Nitrobenzene-d5	8.566	82	2322589	57.340	ng	0.00
42) 2,4,6-Tribromophenol	15.625	330	1418249	86.756	ng	0.00
45) 2-Fluorobiphenyl	12.690	172	5291262	59.235	ng	0.00
79) Terphenyl-d14	19.695	244	6657583	46.420	ng	0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.231	128	335900	2.422	ng	99
32) Benzoic acid	9.437	122	87002	8.889	ng	98
75) Fluoranthene	19.089	202	1908920	15.340	ng	80
78) Pyrene	19.460	202	1770002	9.066	ng	# 86
81) Benzo(a)anthracene	21.342	228	1311759	6.867	ng	# 92
83) Chrysene	21.401	228	1435492	7.809	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.319	149	7640708	74.571	ng	# 97
87) Indeno(1,2,3-cd)pyrene	27.989	276	1113556	4.708	ng	# 88
88) Benzo(b)fluoranthene	23.495	252	2213794	10.243	ng	# 92
89) Benzo(k)fluoranthene	23.554	252	695375	3.234	ng	# 82
90) Benzo(a)pyrene	24.324	252	1429587	7.772	ng	# 93
92) Benzo(g,h,i)perylene	29.077	276	1070643	5.301	ng	99

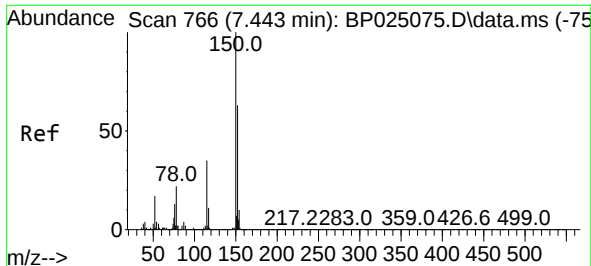
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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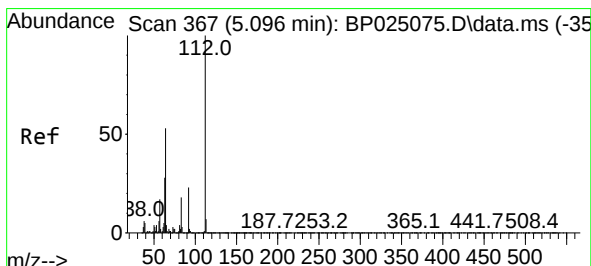
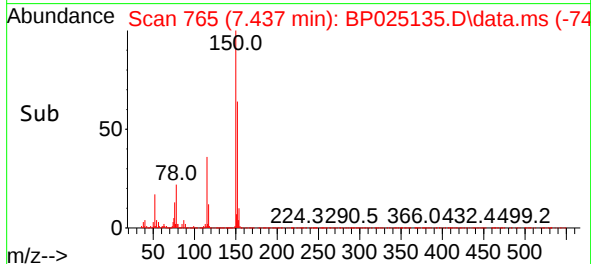
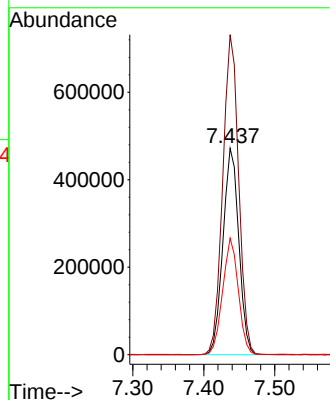
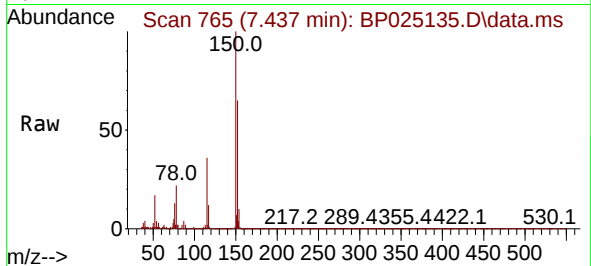




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

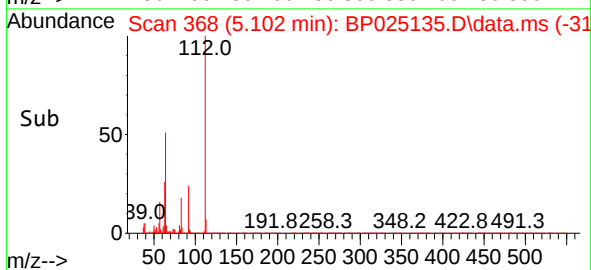
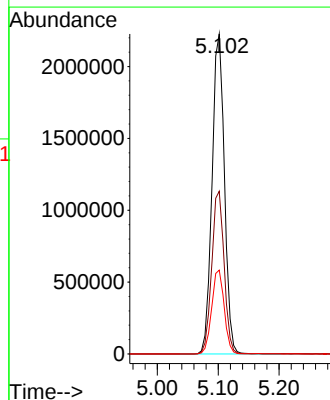
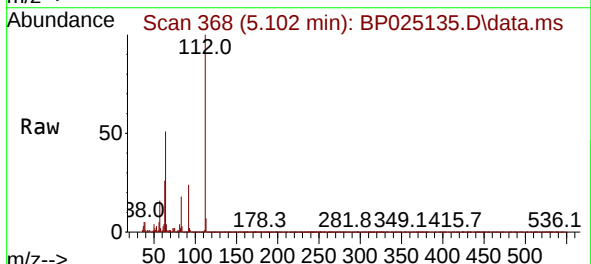
Instrument :
BNA_P
ClientSampleId :
ARS20-0039

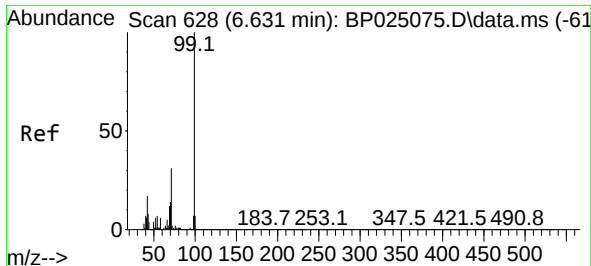
Tgt Ion:152 Resp: 730589
Ion Ratio Lower Upper
152 100
150 155.0 126.1 189.1
115 56.5 44.3 66.5



#5
2-Fluorophenol
Concen: 76.218 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion:112 Resp: 3142721
Ion Ratio Lower Upper
112 100
64 50.9 42.0 63.0
63 26.2 22.2 33.2



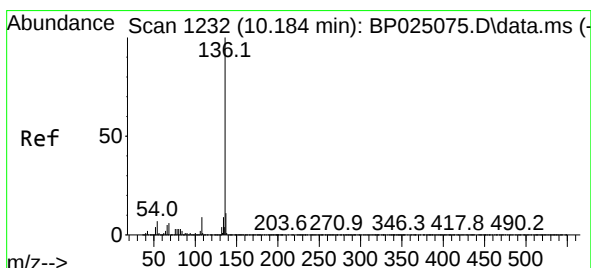
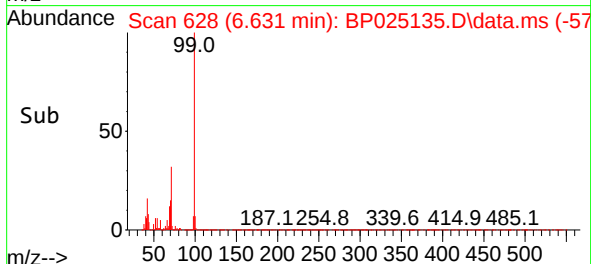
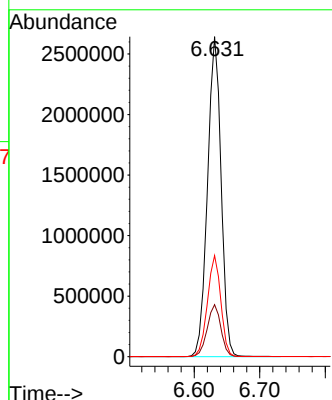
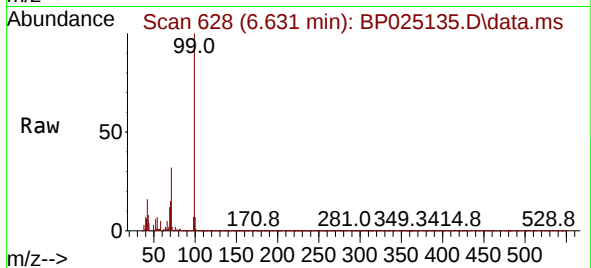


#7
Phenol-d6
Concen: 70.734 ng
RT: 6.631 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Instrument :
BNA_P
ClientSampleId :
ARS20-0039

Tgt Ion: 99 Resp: 3806111

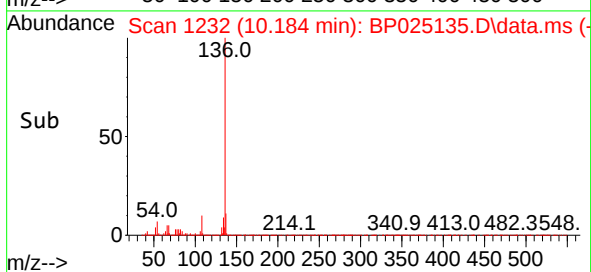
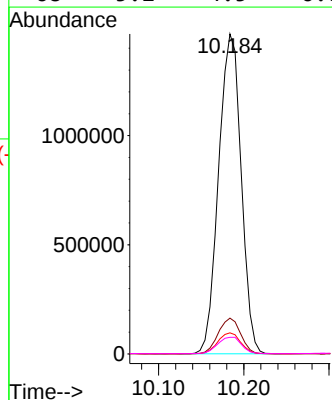
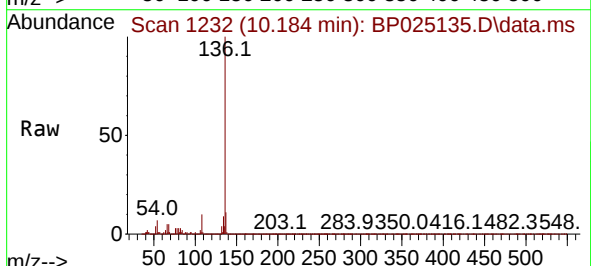
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.6	20.4
71	31.6	24.4	36.6

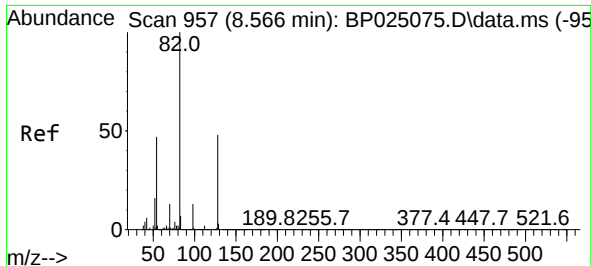


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion: 136 Resp: 2693811

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.6	5.4	8.2
68	5.2	4.5	6.7

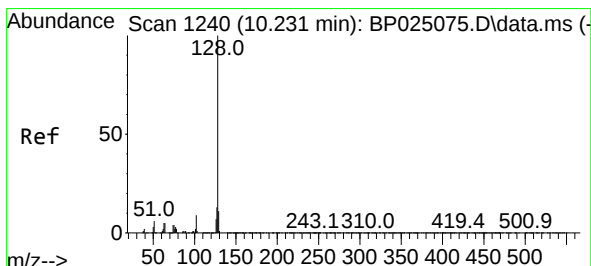
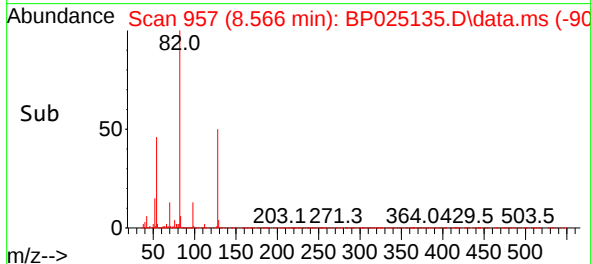
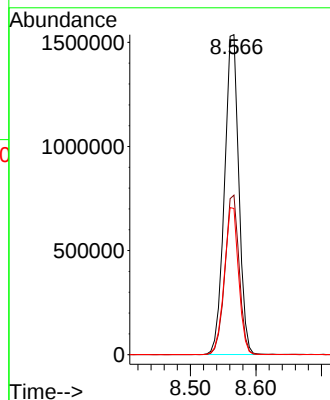
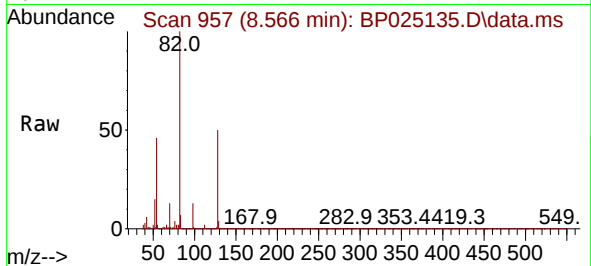




#23
Nitrobenzene-d5
Concen: 57.340 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

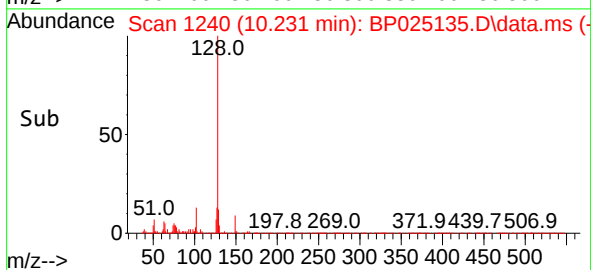
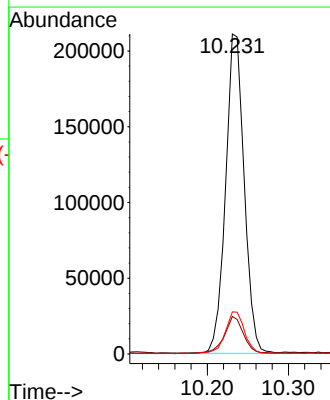
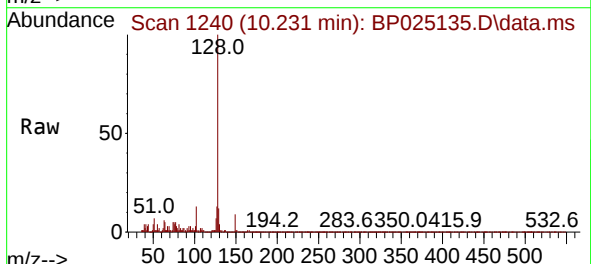
Instrument :
BNA_P
ClientSampleId :
ARS20-0039

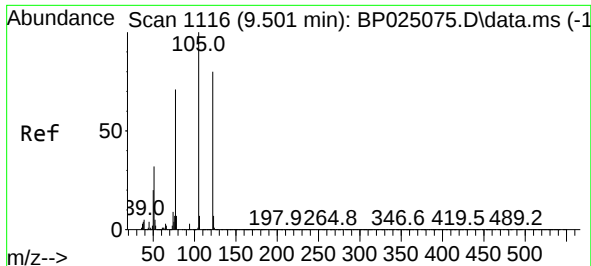
Tgt Ion: 82 Resp: 2322589
Ion Ratio Lower Upper
82 100
128 49.9 38.4 57.6
54 45.7 37.8 56.6



#31
Naphthalene
Concen: 2.422 ng
RT: 10.231 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion:128 Resp: 335900
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 13.1 10.4 15.6

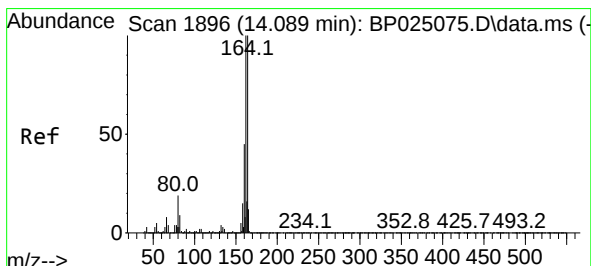
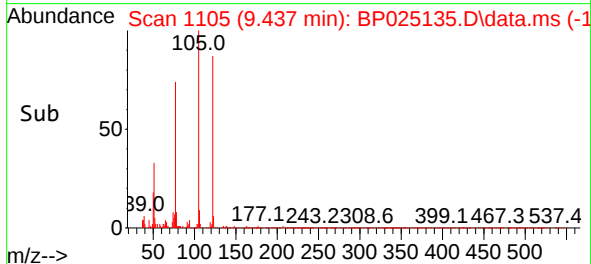
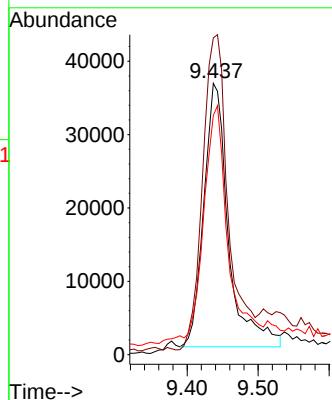
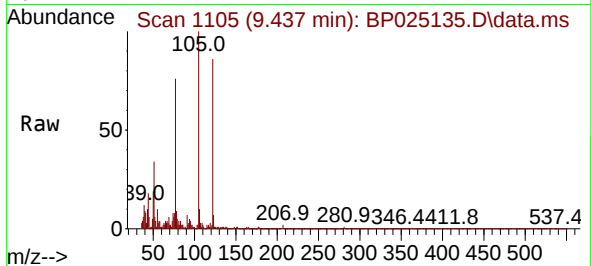




#32
Benzoic acid
Concen: 8.889 ng
RT: 9.437 min Scan# 1116
Delta R.T. -0.064 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

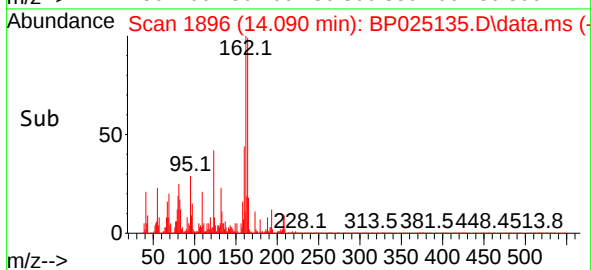
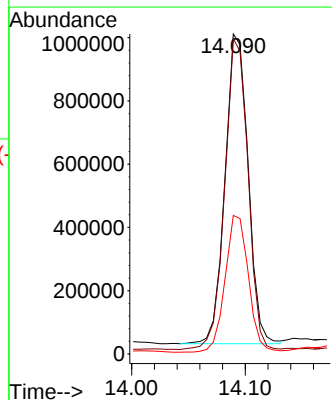
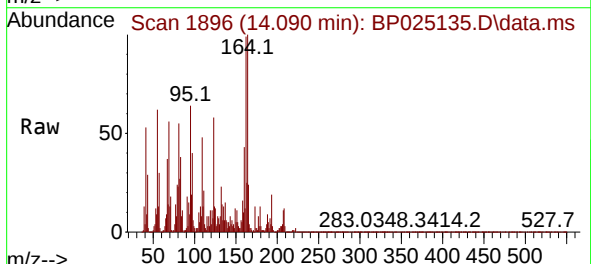
Instrument :
BNA_P
ClientSampleId :
ARS20-0039

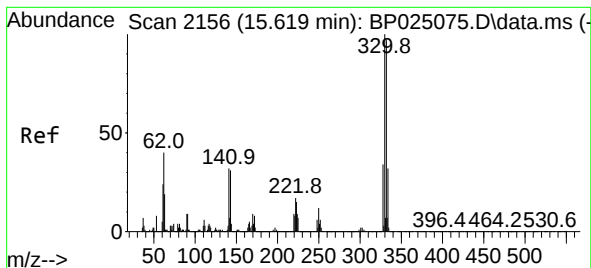
Tgt Ion:122 Resp: 87002
Ion Ratio Lower Upper
122 100
105 116.7 101.0 141.0
77 88.1 67.6 107.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.090 min Scan# 1896
Delta R.T. 0.001 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion:164 Resp: 1383816
Ion Ratio Lower Upper
164 100
162 98.5 80.3 120.5
160 43.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 86.756 ng

RT: 15.625 min Scan# 2156

Delta R.T. 0.006 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

Instrument :

BNA_P

ClientSampleId :

ARS20-0039

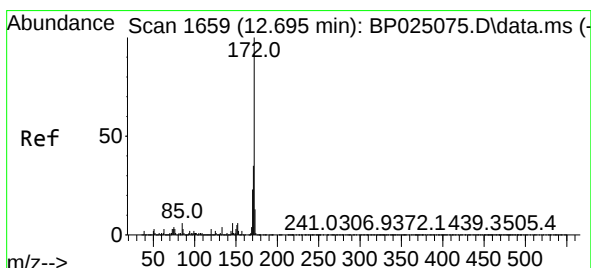
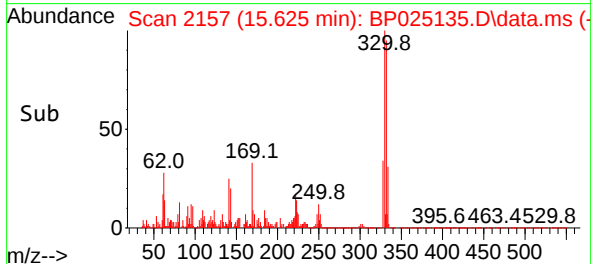
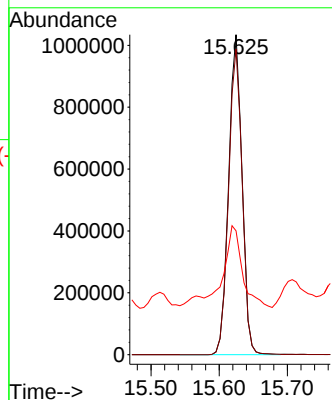
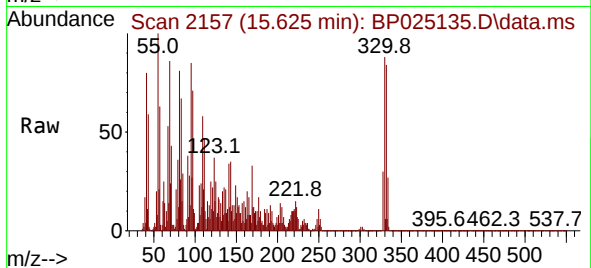
Tgt Ion:330 Resp: 1418249

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

141 34.9 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 59.235 ng

RT: 12.690 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

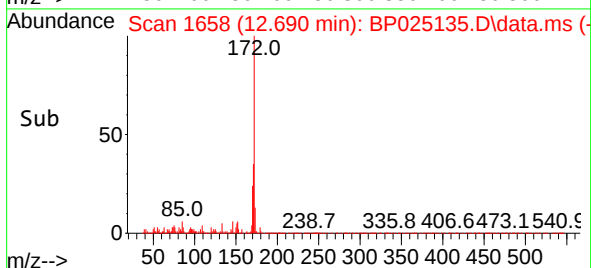
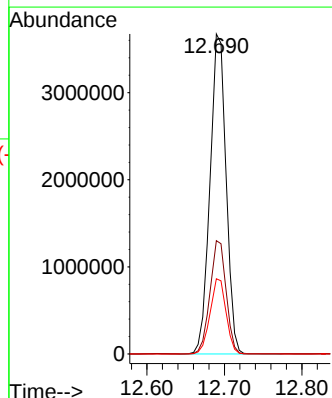
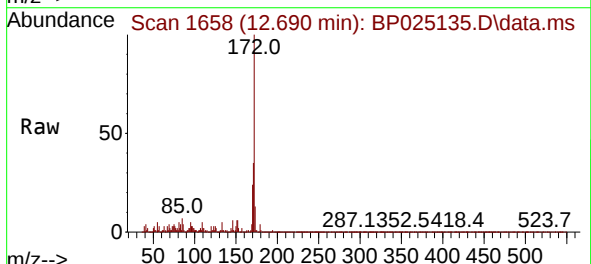
Tgt Ion:172 Resp: 5291262

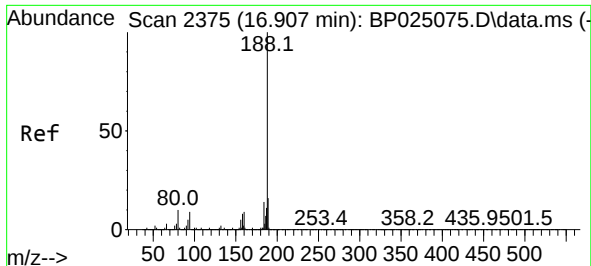
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.5 18.7 28.1

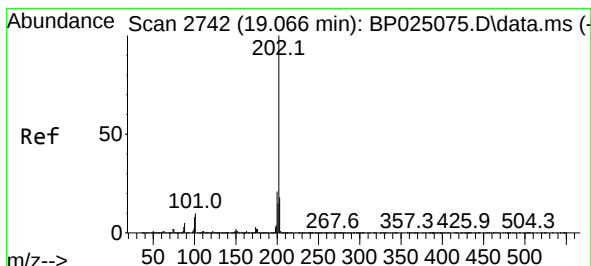
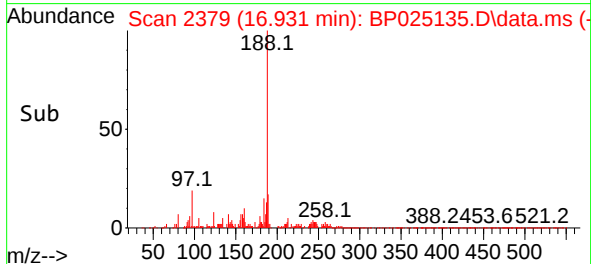
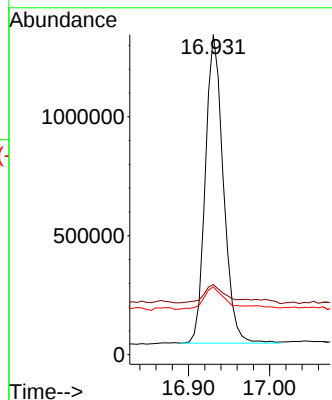
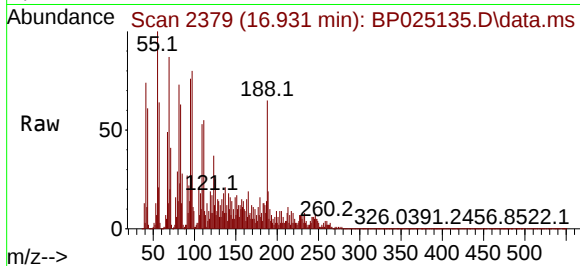




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.931 min Scan# 21
Delta R.T. 0.024 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

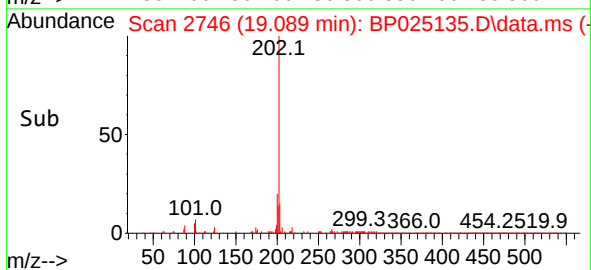
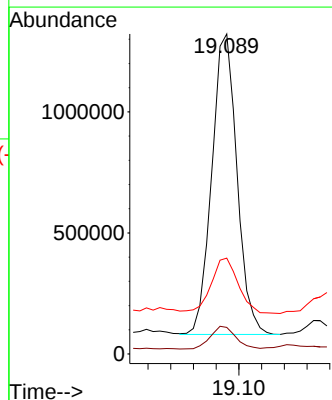
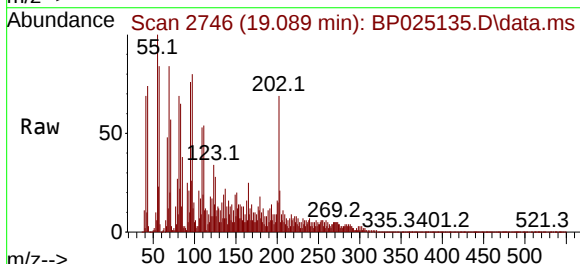
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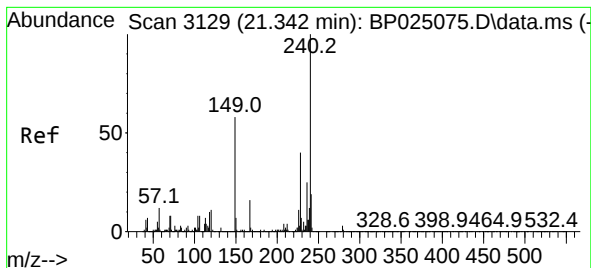
Tgt Ion:188 Resp: 1992289
Ion Ratio Lower Upper
188 100
94 21.9 7.3 10.9#
80 21.1 7.8 11.6#



#75
Fluoranthene
Concen: 15.340 ng
RT: 19.089 min Scan# 2746
Delta R.T. 0.024 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion:202 Resp: 1908920
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.4
203 30.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.360 min Scan# 3129

Delta R.T. 0.018 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

Instrument :

BNA_P

ClientSampleId :

ARS20-0039

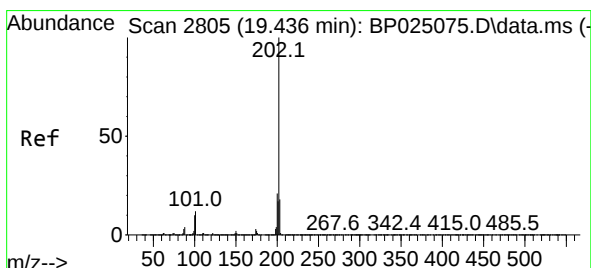
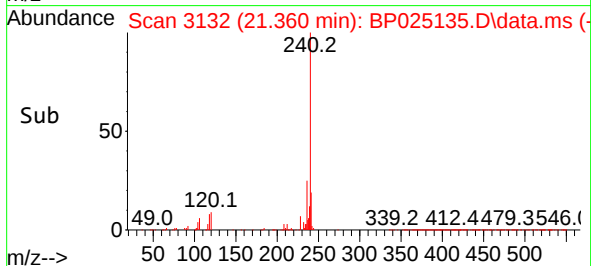
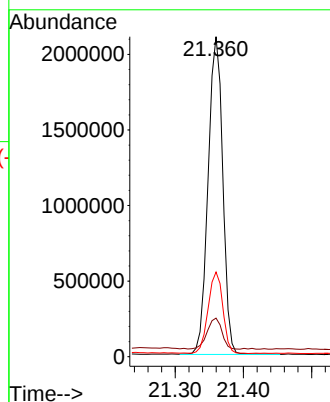
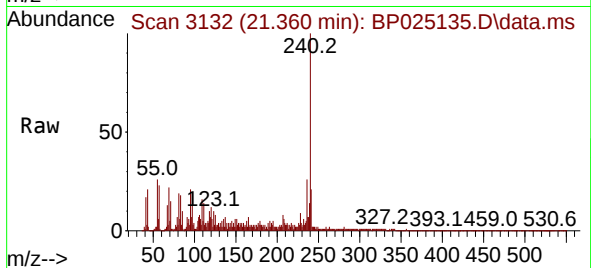
Tgt Ion:240 Resp: 3152088

Ion Ratio Lower Upper

240 100

120 12.0 9.0 13.4

236 26.5 20.3 30.5



#78

Pyrene

Concen: 9.066 ng

RT: 19.460 min Scan# 2809

Delta R.T. 0.024 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

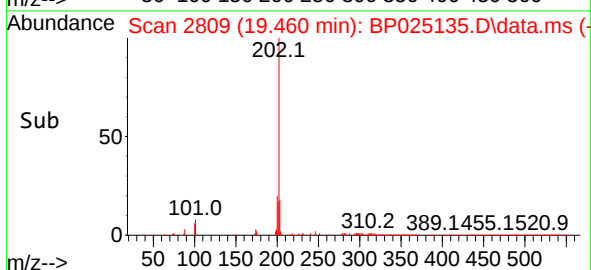
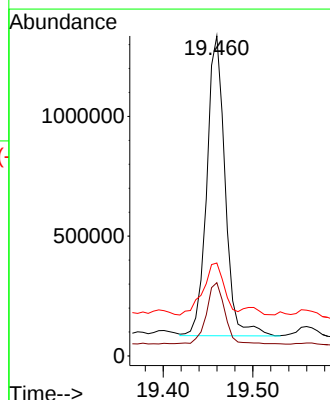
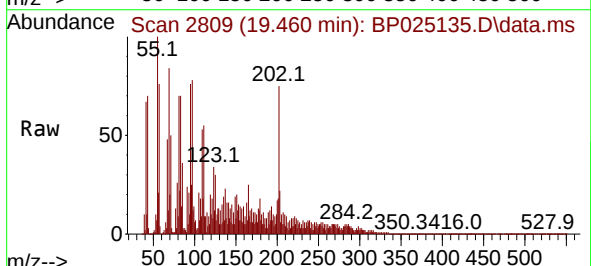
Tgt Ion:202 Resp: 1770002

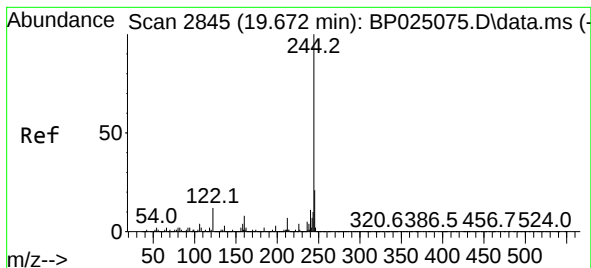
Ion Ratio Lower Upper

202 100

200 22.9 17.1 25.7

203 29.1 14.1 21.1#





#79

Terphenyl-d14

Concen: 46.420 ng

RT: 19.695 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

Instrument :

BNA_P

ClientSampleId :

ARS20-0039

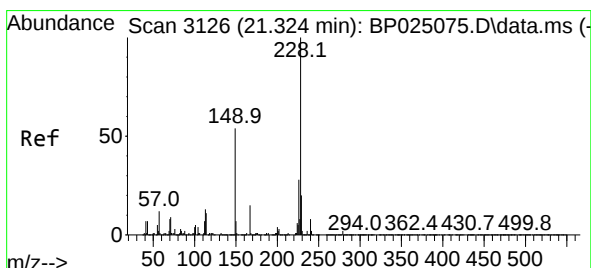
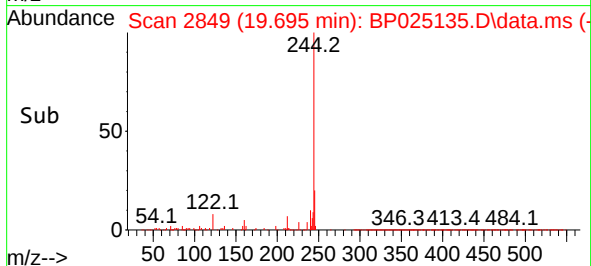
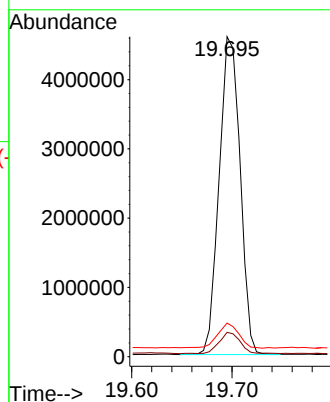
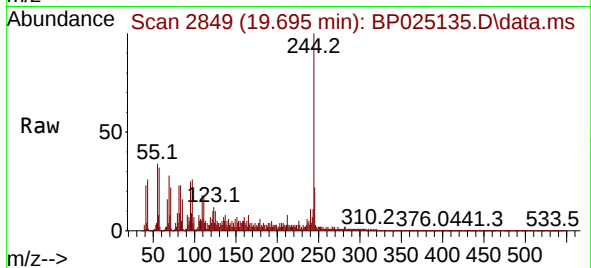
Tgt Ion:244 Resp: 6657583

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 10.5 9.4 14.2



#81

Benzo(a)anthracene

Concen: 6.867 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.018 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

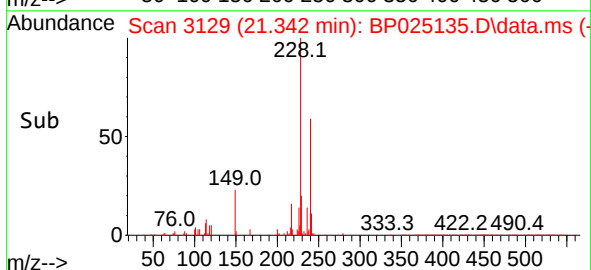
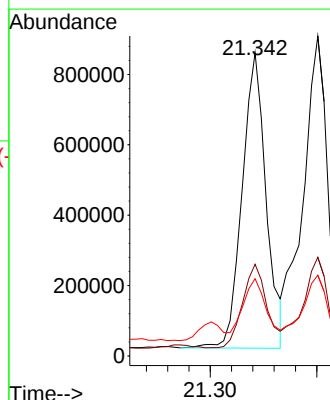
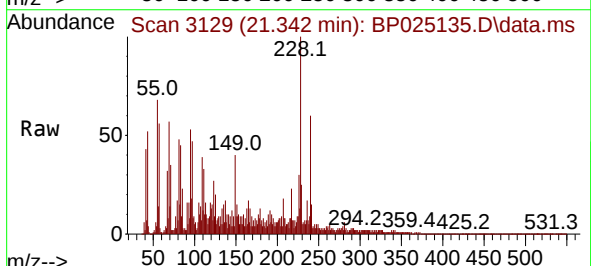
Tgt Ion:228 Resp: 1311759

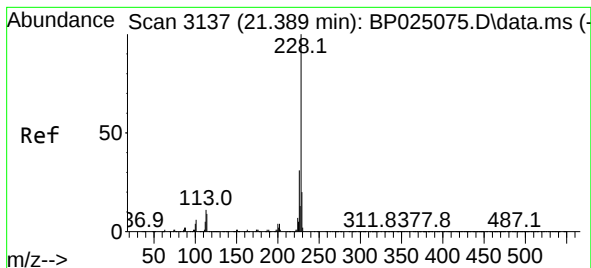
Ion Ratio Lower Upper

228 100

226 30.3 22.1 33.1

229 25.5 16.0 24.0#





#83

Chrysene

Concen: 7.809 ng

RT: 21.401 min Scan# 3137

Delta R.T. 0.012 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

Instrument :

BNA_P

ClientSampleId :

ARS20-0039

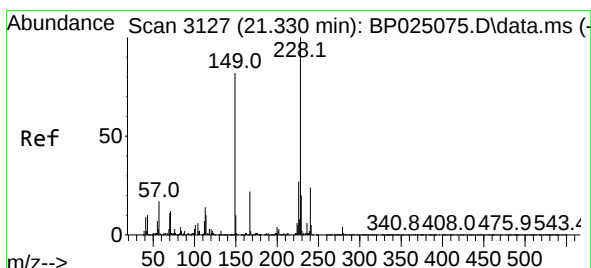
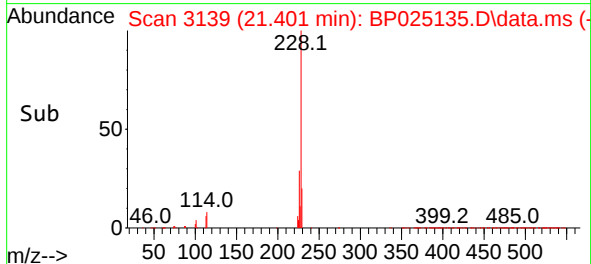
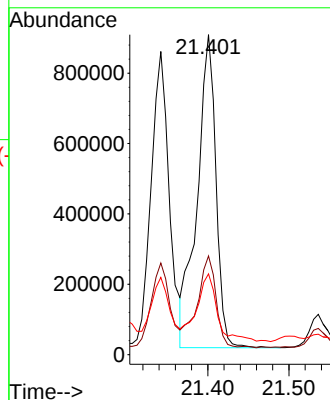
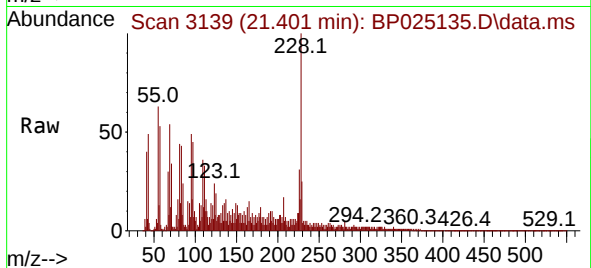
Tgt Ion:228 Resp: 1435492

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 25.3 16.0 24.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 74.571 ng

RT: 21.319 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

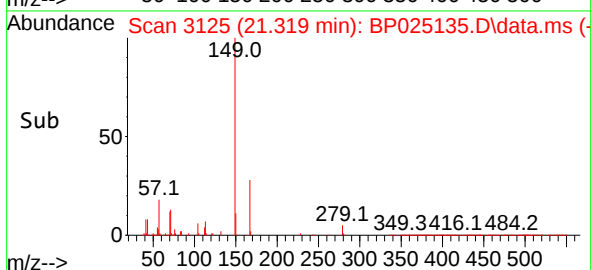
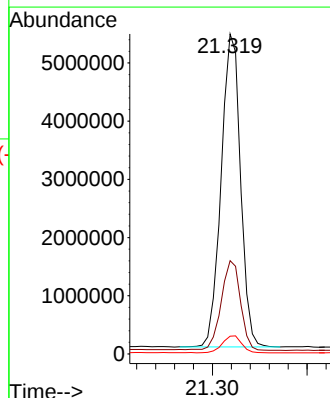
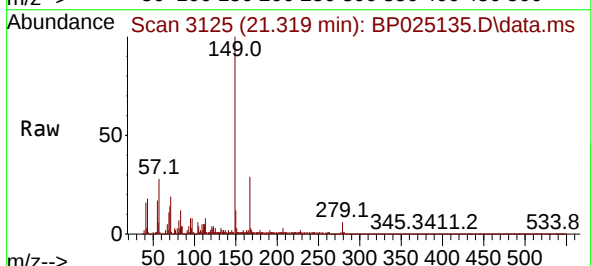
Tgt Ion:149 Resp: 7640708

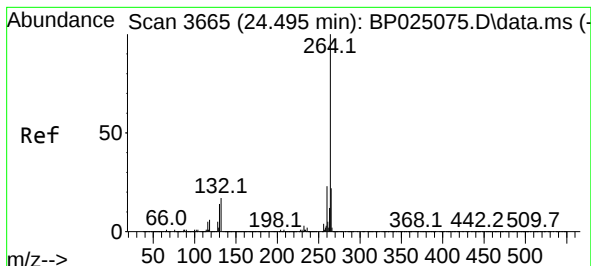
Ion Ratio Lower Upper

149 100

167 29.2 21.9 32.9

279 5.5 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.483 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

Instrument :

BNA_P

ClientSampleId :

ARS20-0039

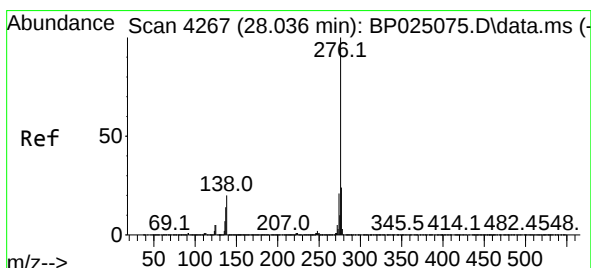
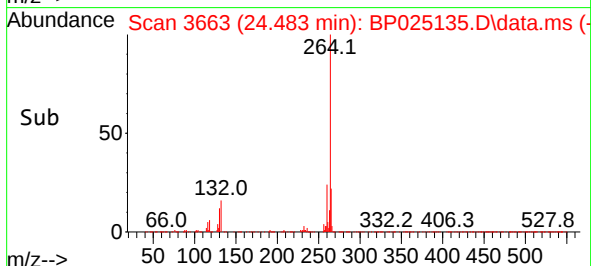
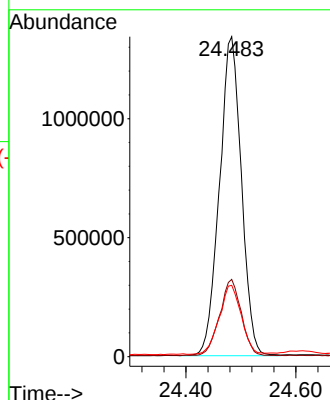
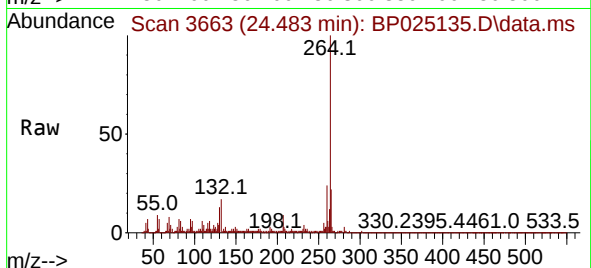
Tgt Ion:264 Resp: 3713074

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 22.3 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.708 ng

RT: 27.989 min Scan# 4259

Delta R.T. -0.047 min

Lab File: BP025135.D

Acq: 15 Jul 2025 01:22

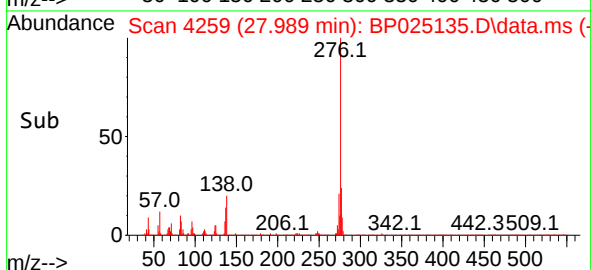
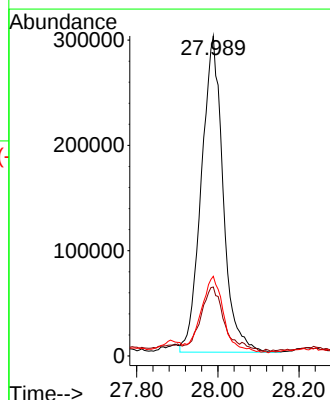
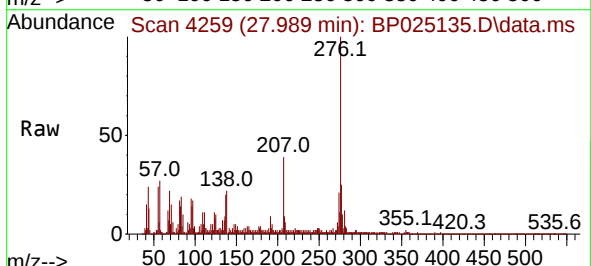
Tgt Ion:276 Resp: 1113556

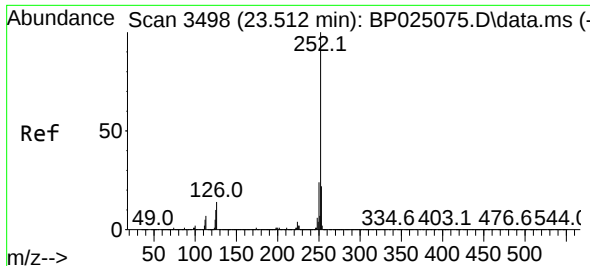
Ion Ratio Lower Upper

276 100

138 21.7 13.0 19.6#

277 25.1 15.9 23.9#

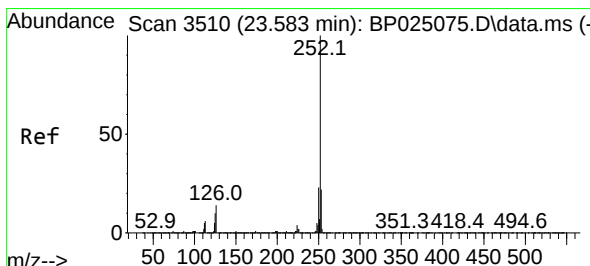
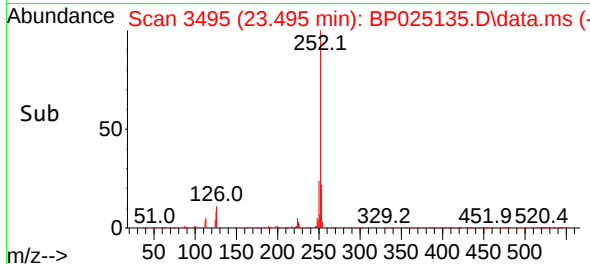
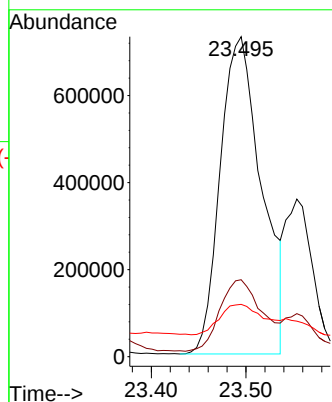
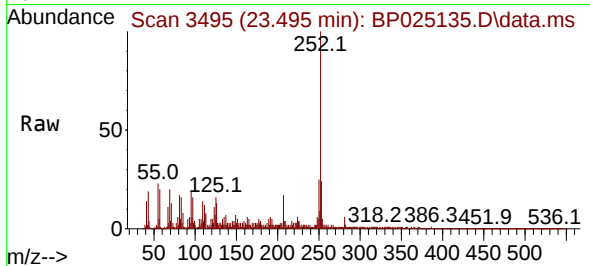




#88
Benzo(b)fluoranthene
Concen: 10.243 ng
RT: 23.495 min Scan# 3495
Delta R.T. -0.018 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

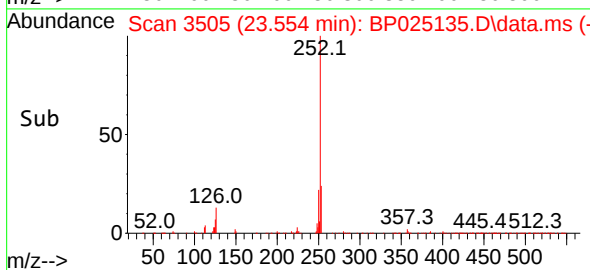
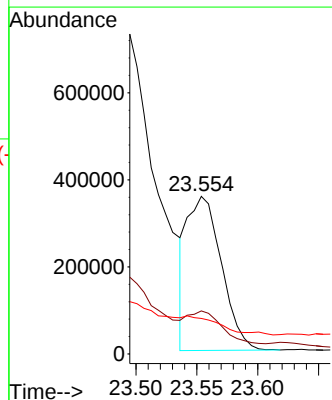
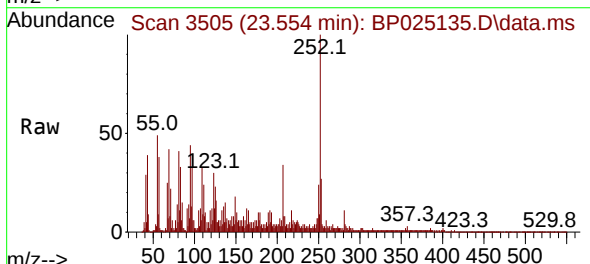
Instrument :
BNA_P
ClientSampleId :
ARS20-0039

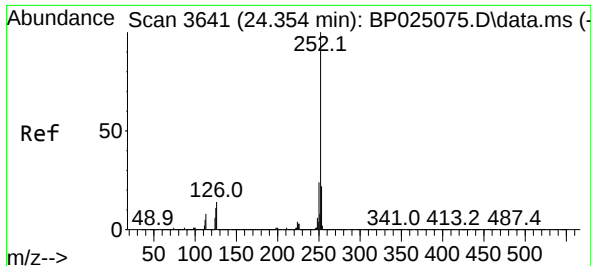
Tgt Ion:252 Resp: 2213794
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 16.4 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 3.234 ng
RT: 23.554 min Scan# 3505
Delta R.T. -0.029 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion:252 Resp: 695375
Ion Ratio Lower Upper
252 100
253 27.3 17.7 26.5#
125 22.5 8.2 12.2#

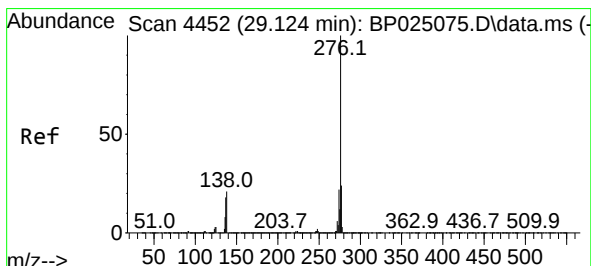
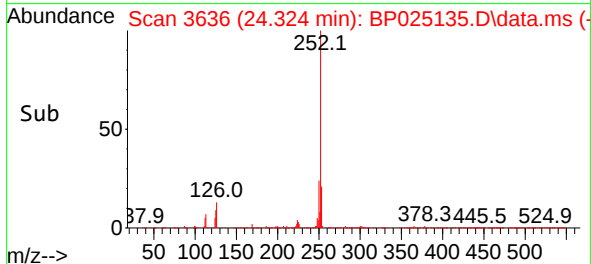
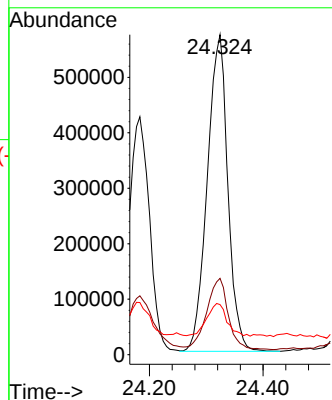
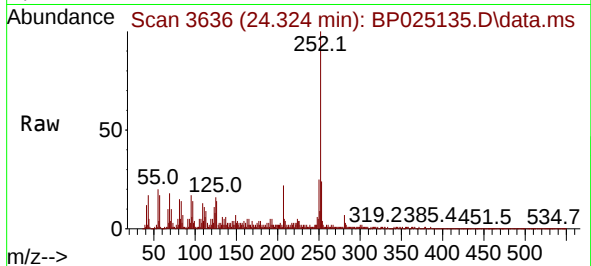




#90
Benzo(a)pyrene
Concen: 7.772 ng
RT: 24.324 min Scan# 30
Delta R.T. -0.029 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Instrument :
BNA_P
ClientSampleId :
ARS20-0039

Tgt Ion:252 Resp: 1429587
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 15.7 9.0 13.4#



#92
Benzo(g,h,i)perylene
Concen: 5.301 ng
RT: 29.077 min Scan# 4444
Delta R.T. -0.047 min
Lab File: BP025135.D
Acq: 15 Jul 2025 01:22

Tgt Ion:276 Resp: 1070643
Ion Ratio Lower Upper
276 100
277 25.0 19.3 28.9
138 20.7 16.9 25.3

