

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071725\
 Data File : BP025182.D
 Acq On : 17 Jul 2025 17:44
 Operator : CG/JU
 Sample : Q2612-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-071525

Quant Time: Jul 17 18:37:23 2025
 Quant Title :
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

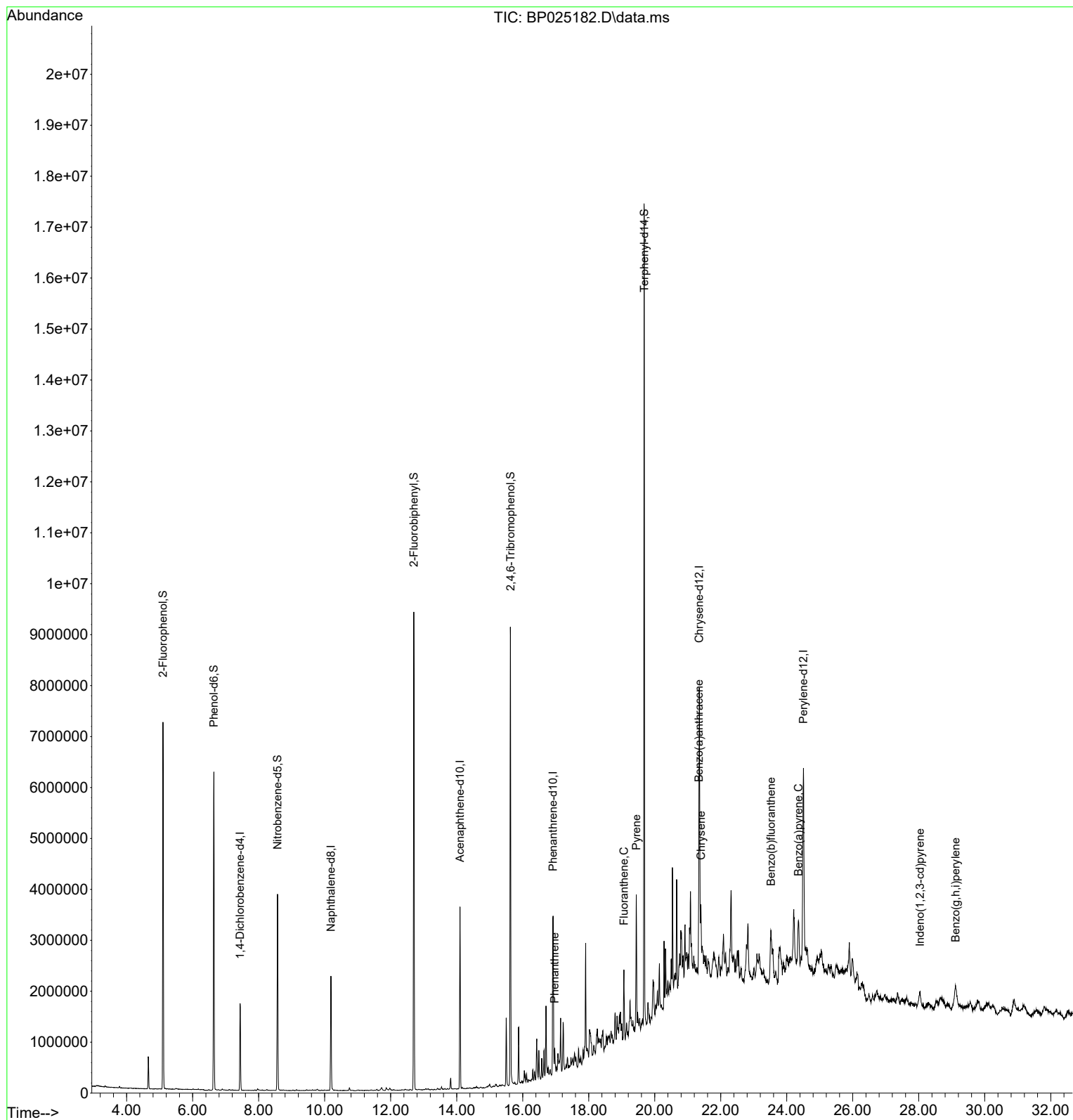
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	475336	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	1915958	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1247422	20.000	ng	0.01
64) Phenanthrene-d10	16.919	188	2518995	20.000	ng	0.01
76) Chrysene-d12	21.348	240	2700376	20.000	ng	0.00
86) Perylene-d12	24.507	264	3810819	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	3225682	120.240	ng	0.00
7) Phenol-d6	6.643	99	3426581	97.877	ng	0.01
23) Nitrobenzene-d5	8.572	82	2075848	72.055	ng	0.00
42) 2,4,6-Tribromophenol	15.631	330	1947437	132.153	ng	0.01
45) 2-Fluorobiphenyl	12.701	172	5113061	63.499	ng	0.00
79) Terphenyl-d14	19.683	244	7797736	63.464	ng	0.01
Target Compounds						
						Qvalue
71) Phenanthrene	16.972	178	303601	2.256	ng	96
75) Fluoranthene	19.066	202	906041	5.759	ng	99
78) Pyrene	19.442	202	1867622	11.166	ng	99
81) Benzo(a)anthracene	21.336	228	773114	4.724	ng	# 86
83) Chrysene	21.401	228	1117387	7.095	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.042	276	522625	2.153	ng	# 86
88) Benzo(b)fluoranthene	23.524	252	1141262	5.145	ng	# 96
90) Benzo(a)pyrene	24.354	252	1035014	5.483	ng	98
92) Benzo(g,h,i)perylene	29.118	276	597463	2.882	ng	96

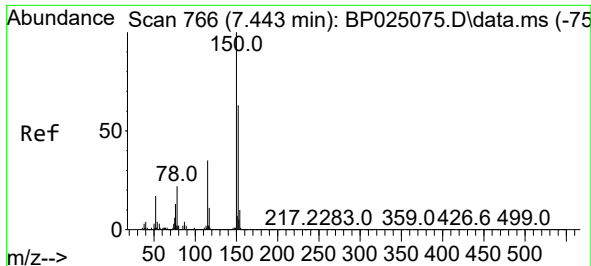
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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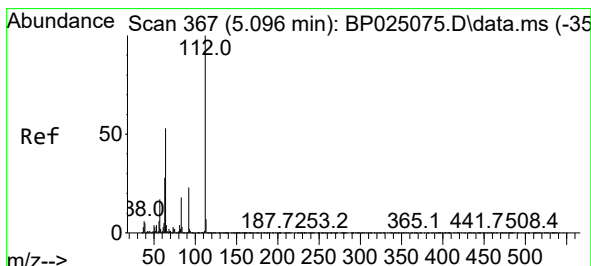
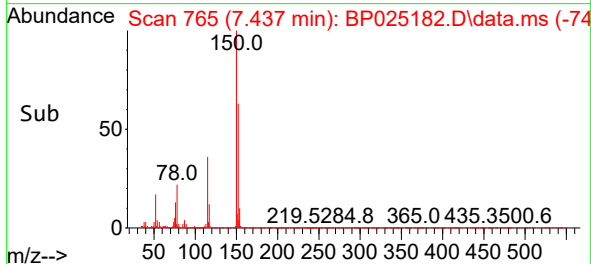
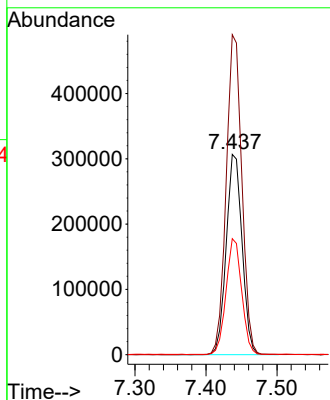
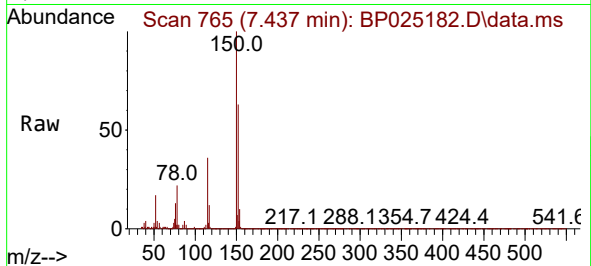




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 765
Delta R.T. -0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

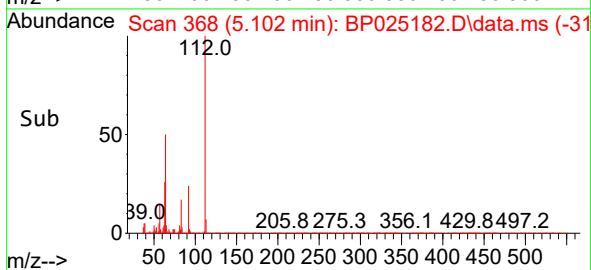
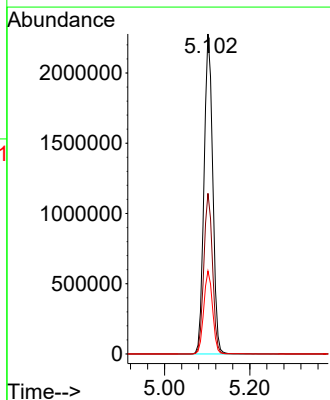
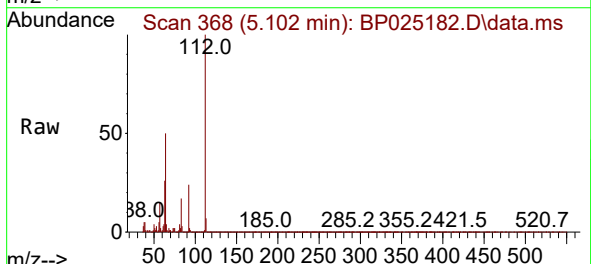
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

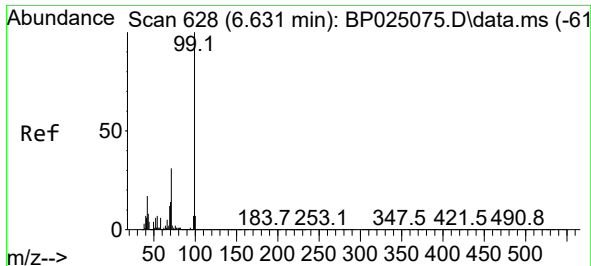
Tgt Ion:152 Resp: 475336
Ion Ratio Lower Upper
152 100
150 159.7 126.1 189.1
115 57.9 44.3 66.5



#5
2-Fluorophenol
Concen: 120.240 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:112 Resp: 3225682
Ion Ratio Lower Upper
112 100
64 50.2 42.0 63.0
63 25.9 22.2 33.2

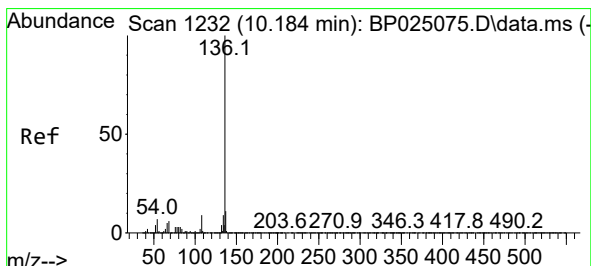
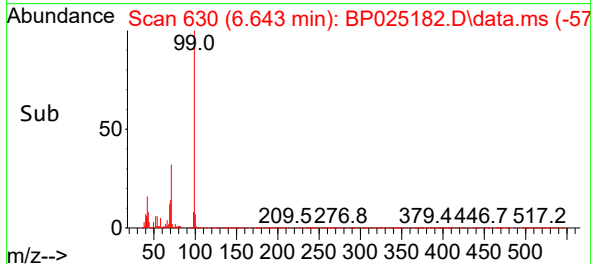
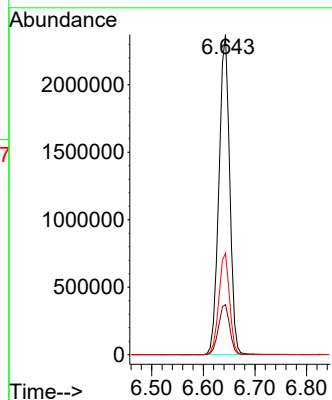
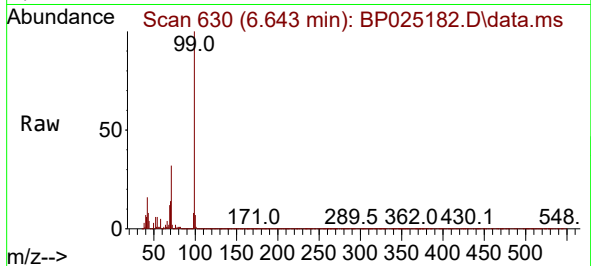




#7
Phenol-d6
Concen: 97.877 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

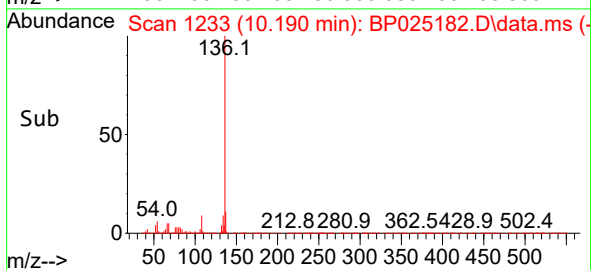
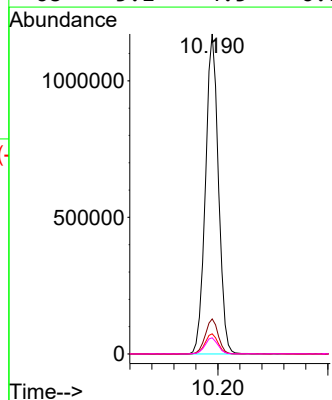
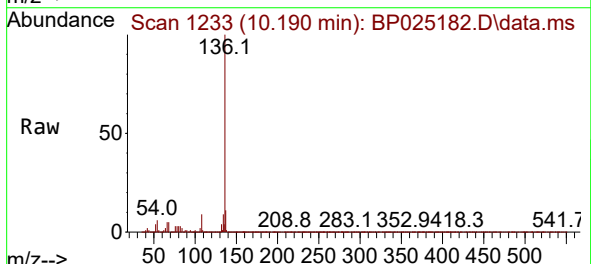
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

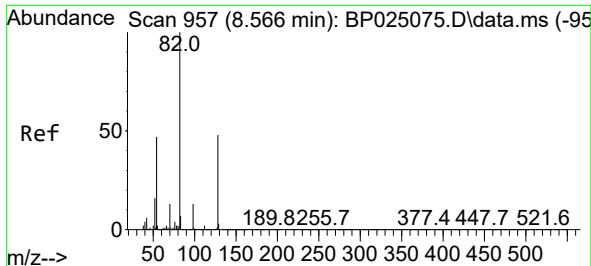
Tgt Ion: 99 Resp: 3426581
Ion Ratio Lower Upper
99 100
42 15.6 13.6 20.4
71 31.7 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion: 136 Resp: 1915958
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.3 5.4 8.2
68 5.1 4.5 6.7

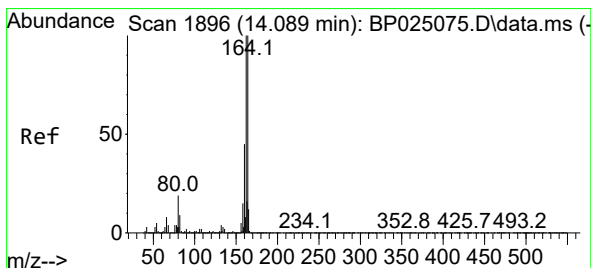
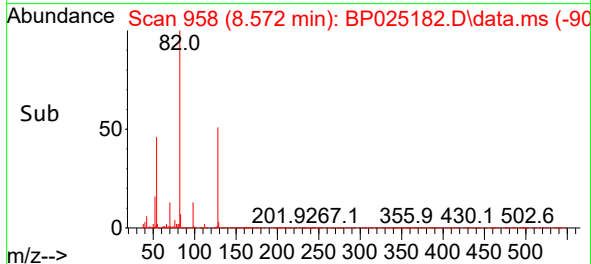
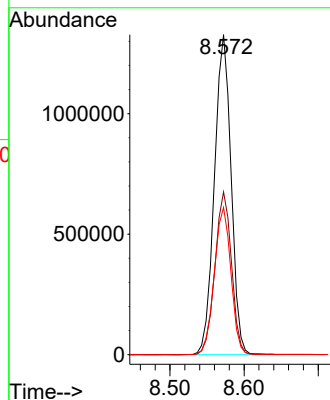
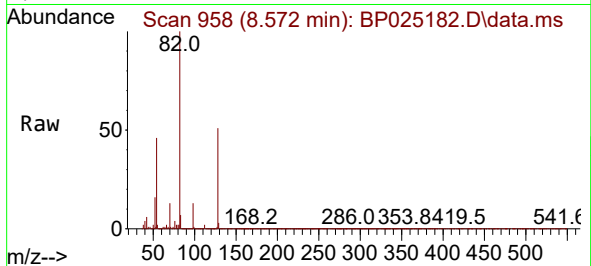




#23
Nitrobenzene-d5
Concen: 72.055 ng
RT: 8.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

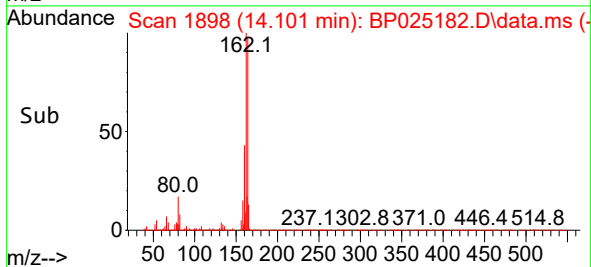
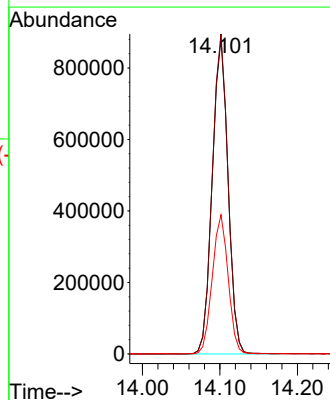
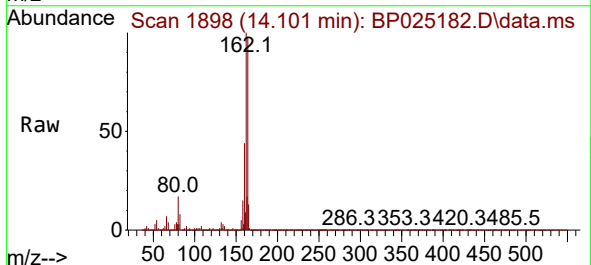
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

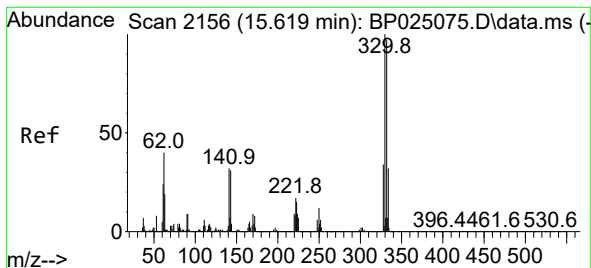
Tgt Ion: 82 Resp: 2075848
Ion Ratio Lower Upper
82 100
128 50.9 38.4 57.6
54 46.0 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.101 min Scan# 1898
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:164 Resp: 1247422
Ion Ratio Lower Upper
164 100
162 101.6 80.3 120.5
160 44.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 132.153 ng

RT: 15.631 min Scan# 2156

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

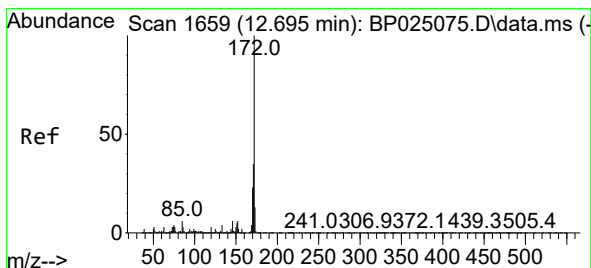
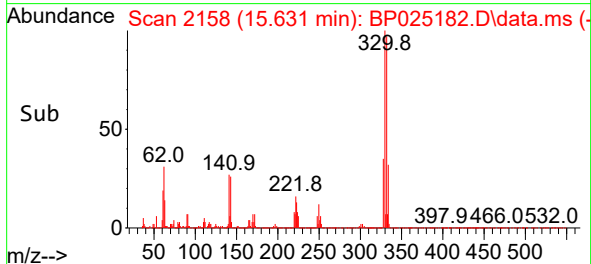
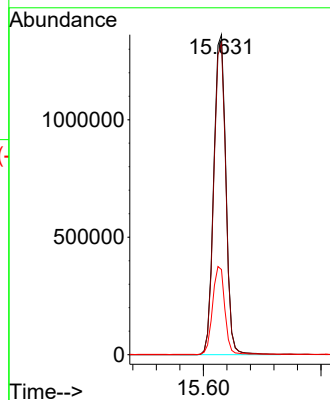
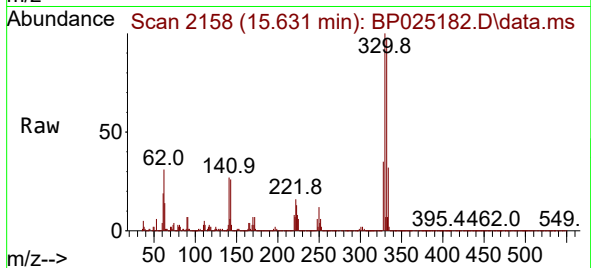
Tgt Ion:330 Resp: 1947437

Ion Ratio Lower Upper

330 100

332 97.2 77.7 116.5

141 27.7 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 63.499 ng

RT: 12.701 min Scan# 1660

Delta R.T. 0.006 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

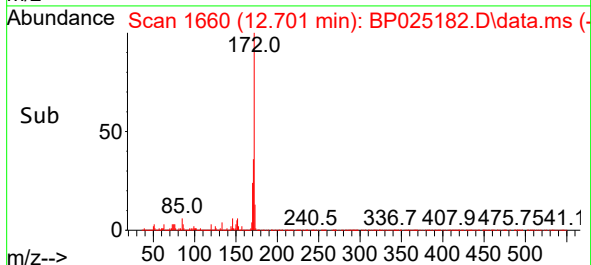
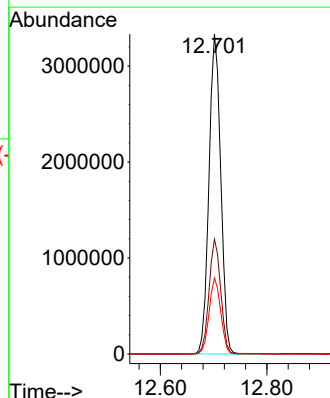
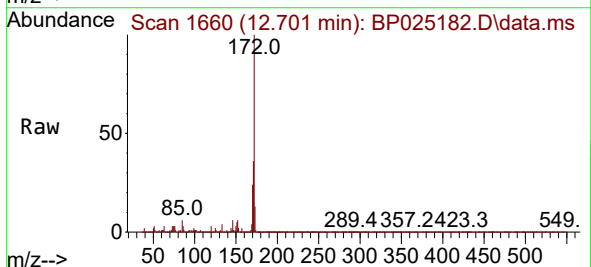
Tgt Ion:172 Resp: 5113061

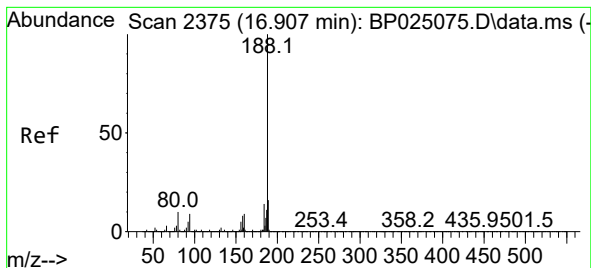
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

170 23.7 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.919 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

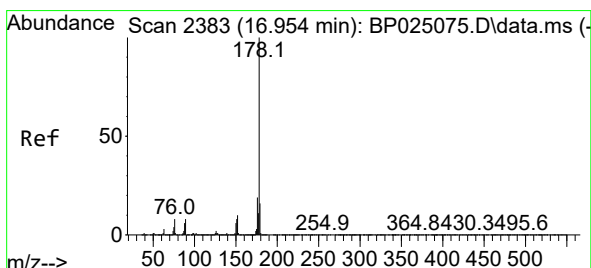
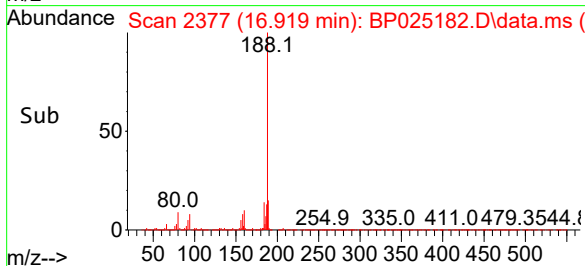
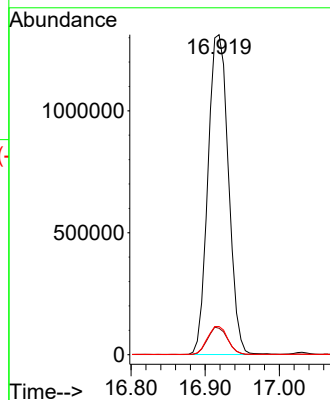
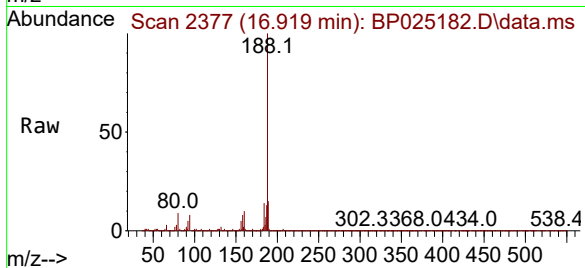
Tgt Ion:188 Resp: 2518995

Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

80 8.8 7.8 11.6



#71

Phenanthrene

Concen: 2.256 ng

RT: 16.972 min Scan# 2386

Delta R.T. 0.018 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

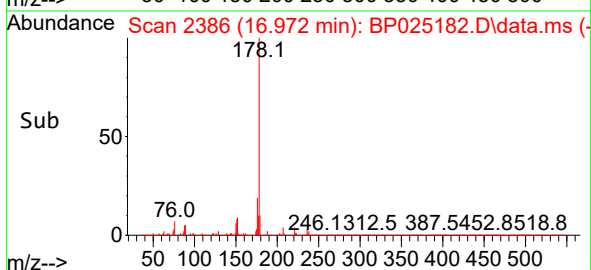
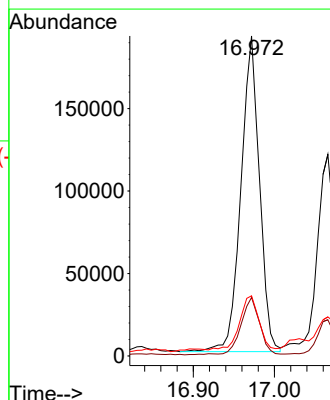
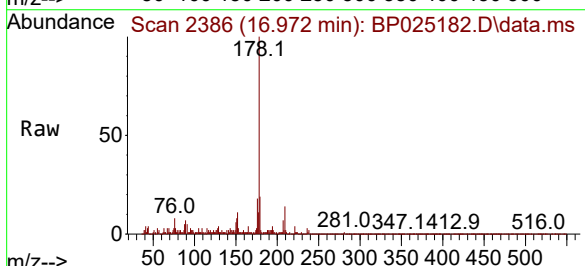
Tgt Ion:178 Resp: 303601

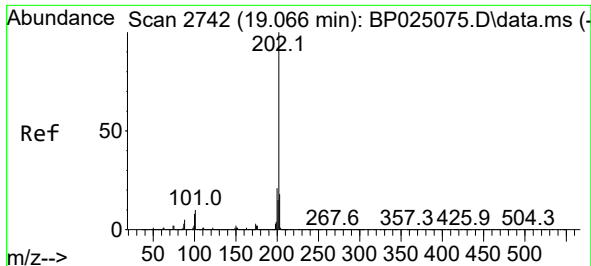
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 18.8 12.6 19.0

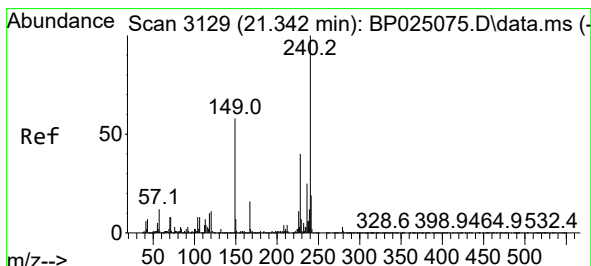
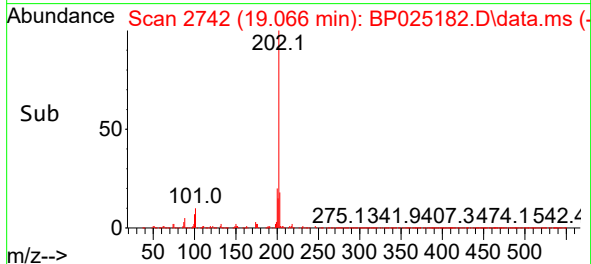
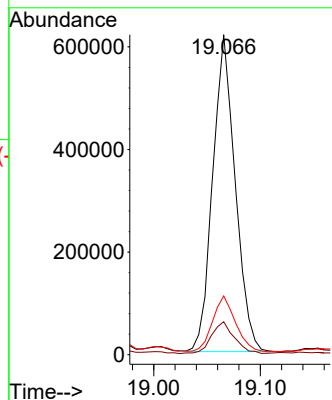
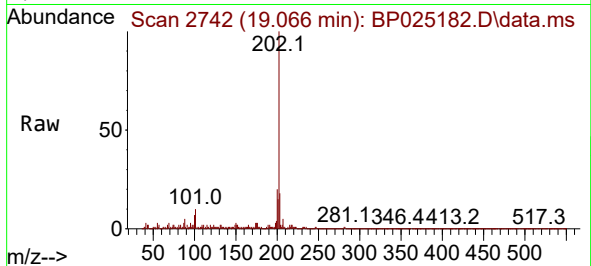




#75
Fluoranthene
Concen: 5.759 ng
RT: 19.066 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

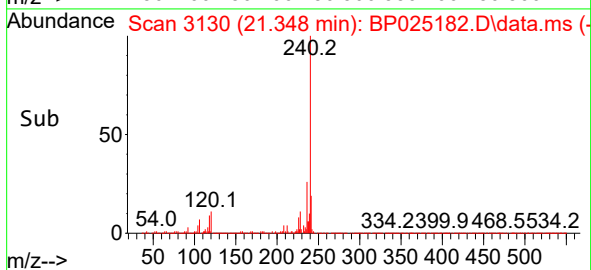
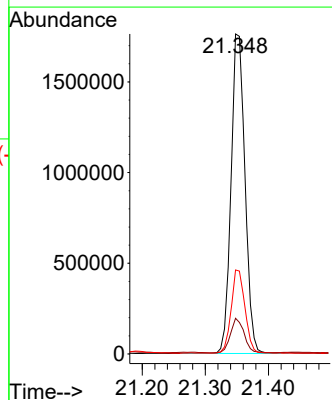
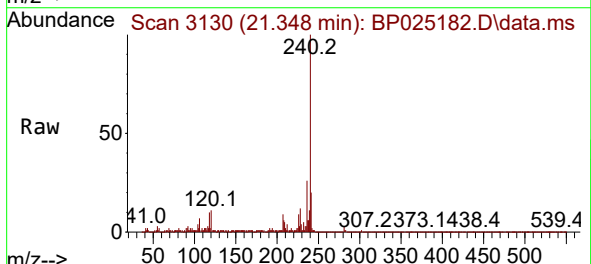
Instrument :
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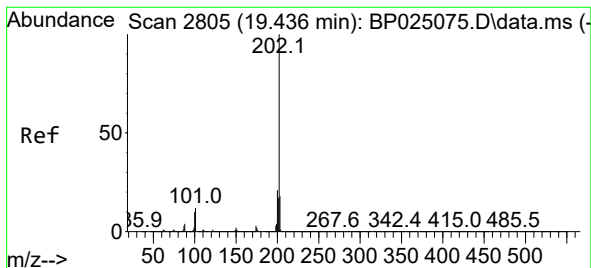
Tgt Ion:202 Resp: 906041
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.4
203 18.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.348 min Scan# 3130
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:240 Resp: 2700376
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.4
236 26.2 20.3 30.5





#78

Pyrene

Concen: 11.166 ng

RT: 19.442 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

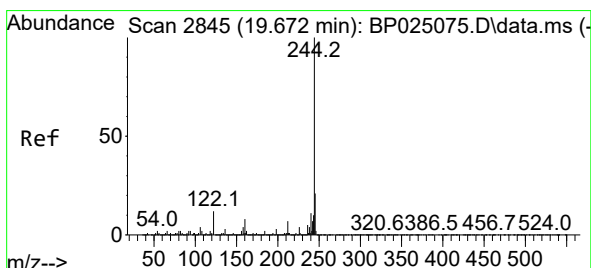
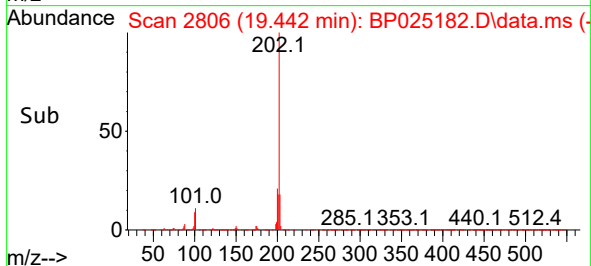
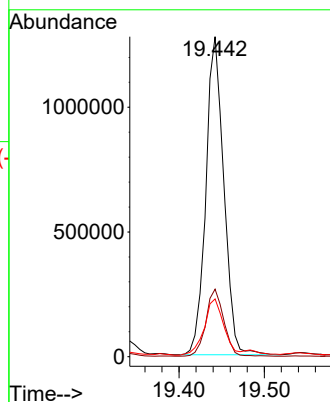
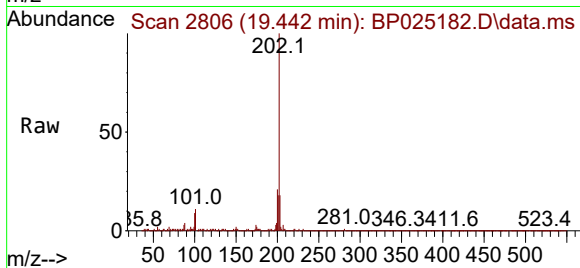
Tgt Ion:202 Resp: 1867622

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 63.464 ng

RT: 19.683 min Scan# 2847

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

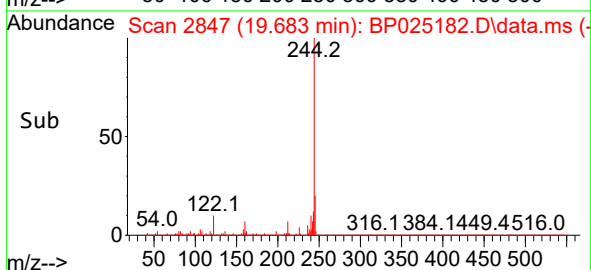
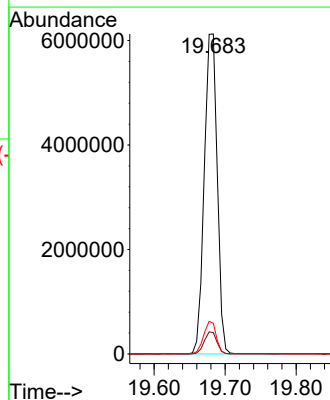
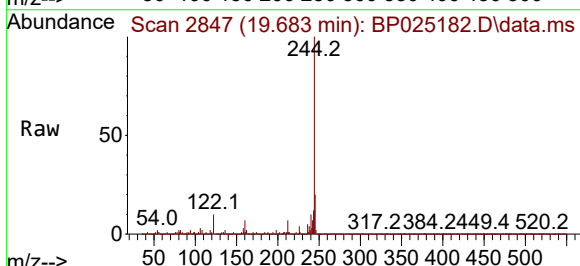
Tgt Ion:244 Resp: 7797736

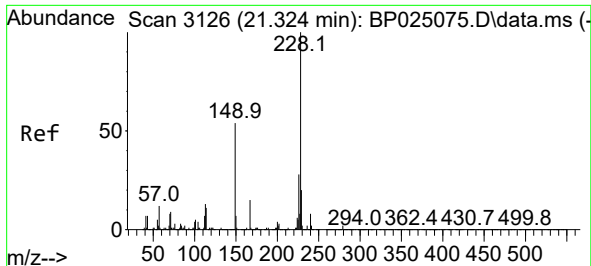
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 9.6 9.4 14.2

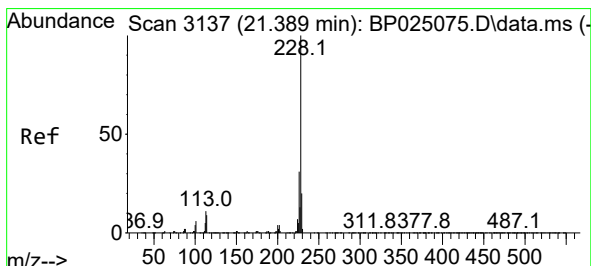
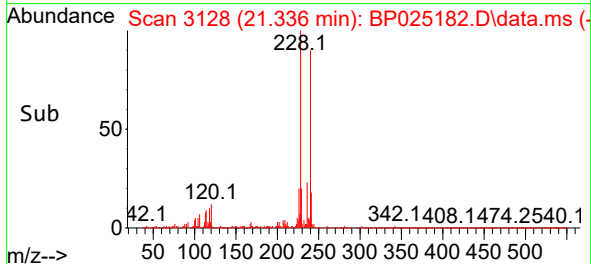
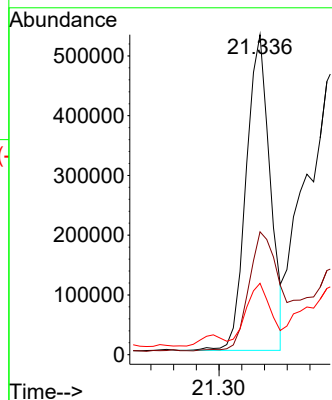
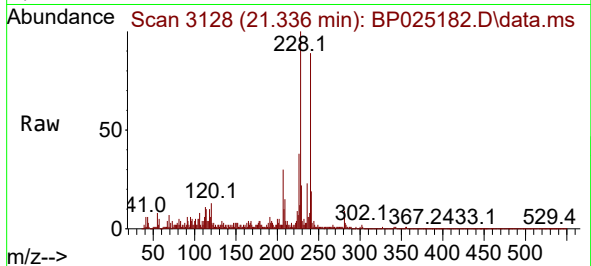




#81
Benzo(a)anthracene
Concen: 4.724 ng
RT: 21.336 min Scan# 3126
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

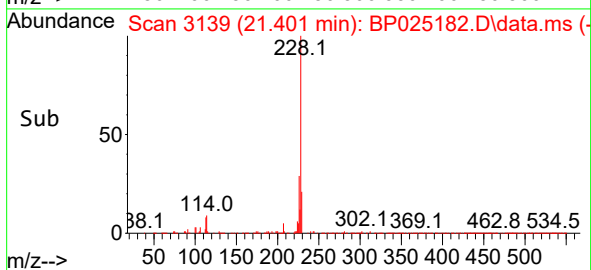
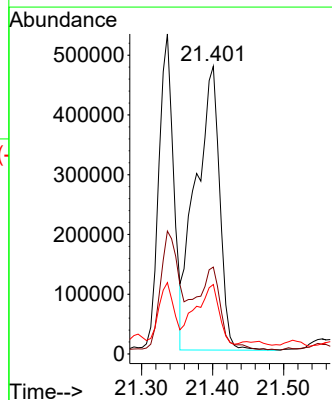
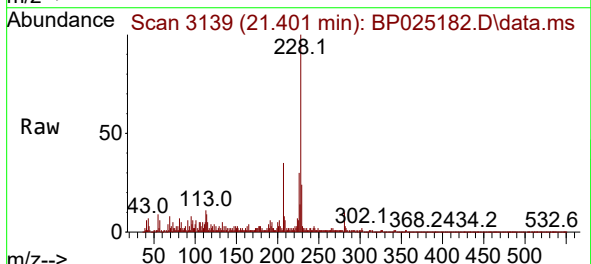
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

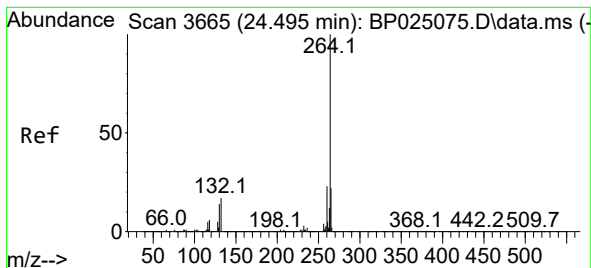
Tgt Ion:228 Resp: 773114
Ion Ratio Lower Upper
228 100
226 38.4 22.1 33.1#
229 22.3 16.0 24.0



#83
Chrysene
Concen: 7.095 ng
RT: 21.401 min Scan# 3139
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:228 Resp: 1117387
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 24.1 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.507 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

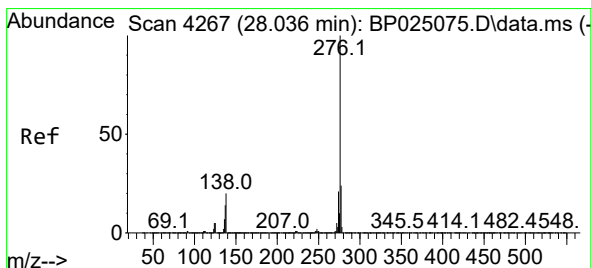
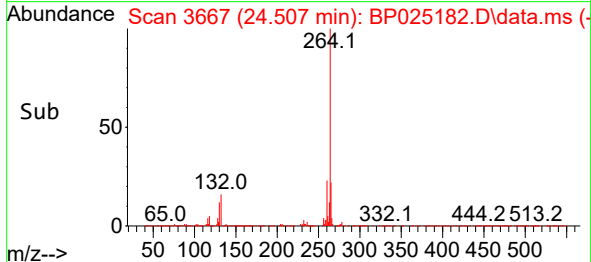
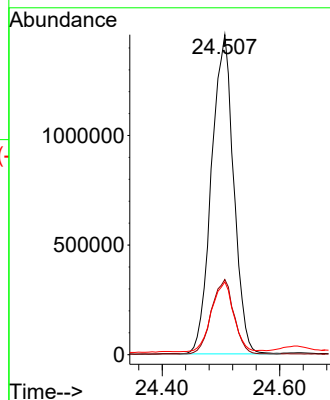
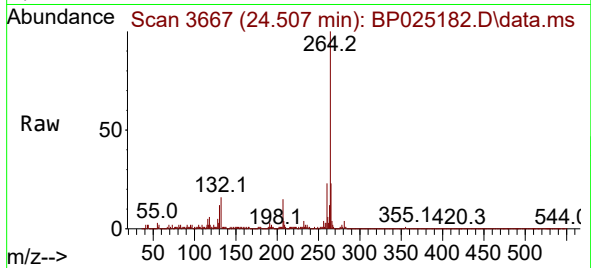
Tgt Ion:264 Resp: 3810819

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.8 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.153 ng

RT: 28.042 min Scan# 4268

Delta R.T. 0.006 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

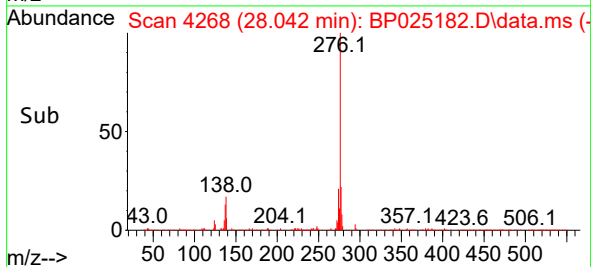
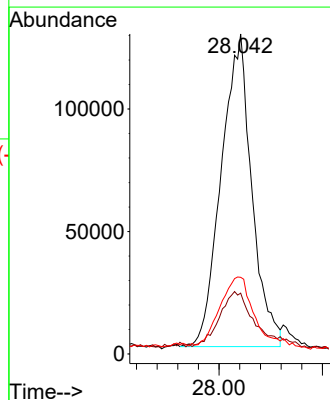
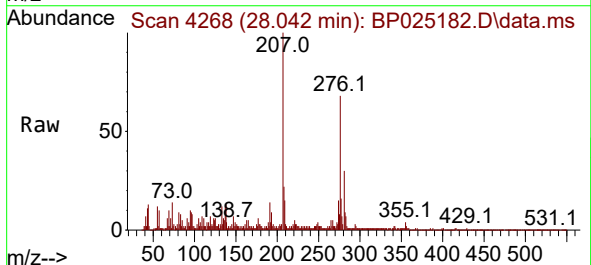
Tgt Ion:276 Resp: 522625

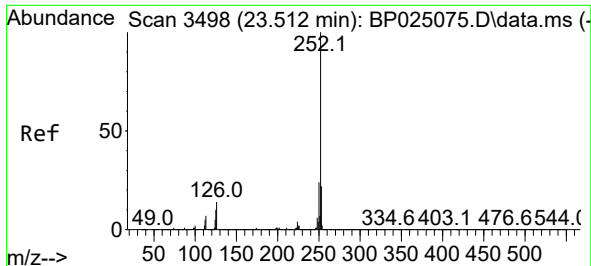
Ion Ratio Lower Upper

276 100

138 21.2 13.0 19.6#

277 27.5 15.9 23.9#

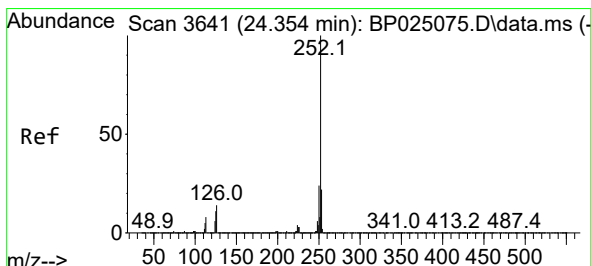
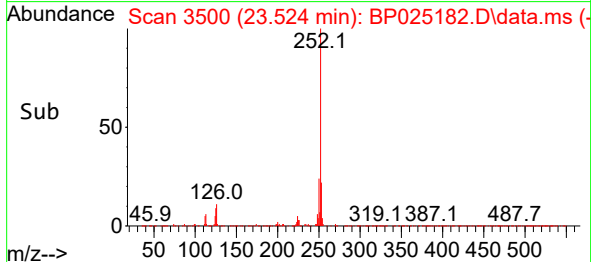
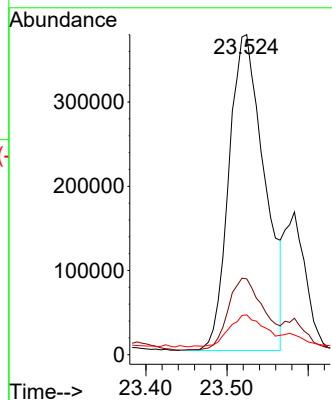
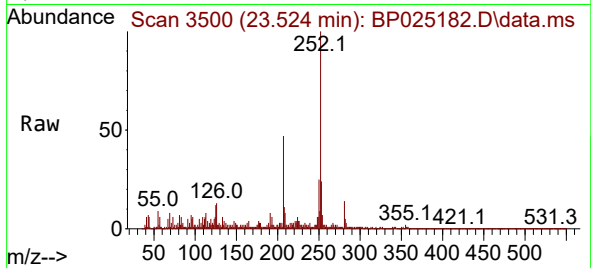




#88
Benzo(b)fluoranthene
Concen: 5.145 ng
RT: 23.524 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

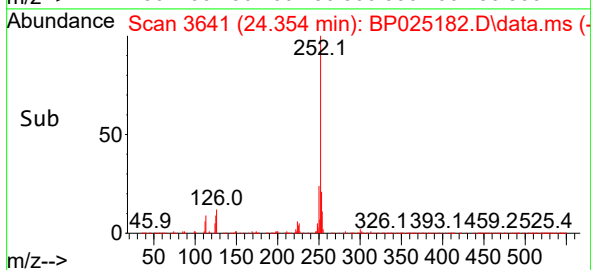
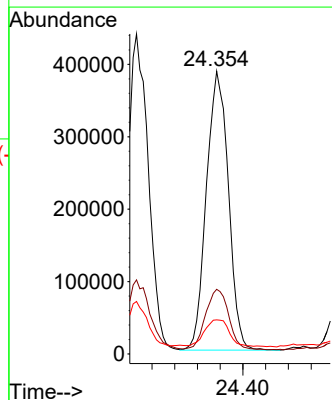
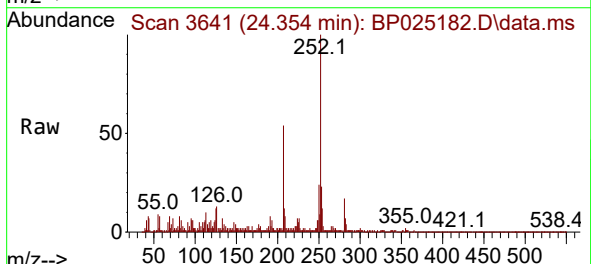
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

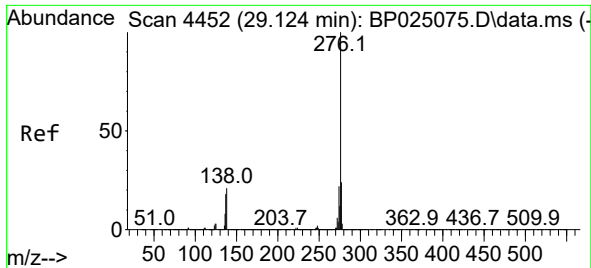
Tgt Ion:252 Resp: 1141262
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 12.5 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 5.483 ng
RT: 24.354 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

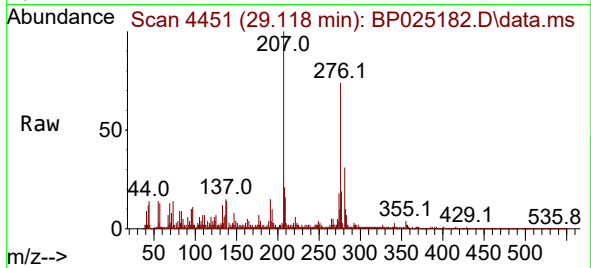
Tgt Ion:252 Resp: 1035014
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.0 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.882 ng
 RT: 29.118 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: BP025182.D
 Acq: 17 Jul 2025 17:44

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-071525



Tgt Ion:276 Resp: 597463

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.3	28.9
138	19.1	16.9	25.3

