

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
 Data File : BP024985.D
 Acq On : 17 Jun 2025 21:31
 Operator : RC/JU
 Sample : Q2338-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-03-061625

Quant Time: Jun 18 01:13:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

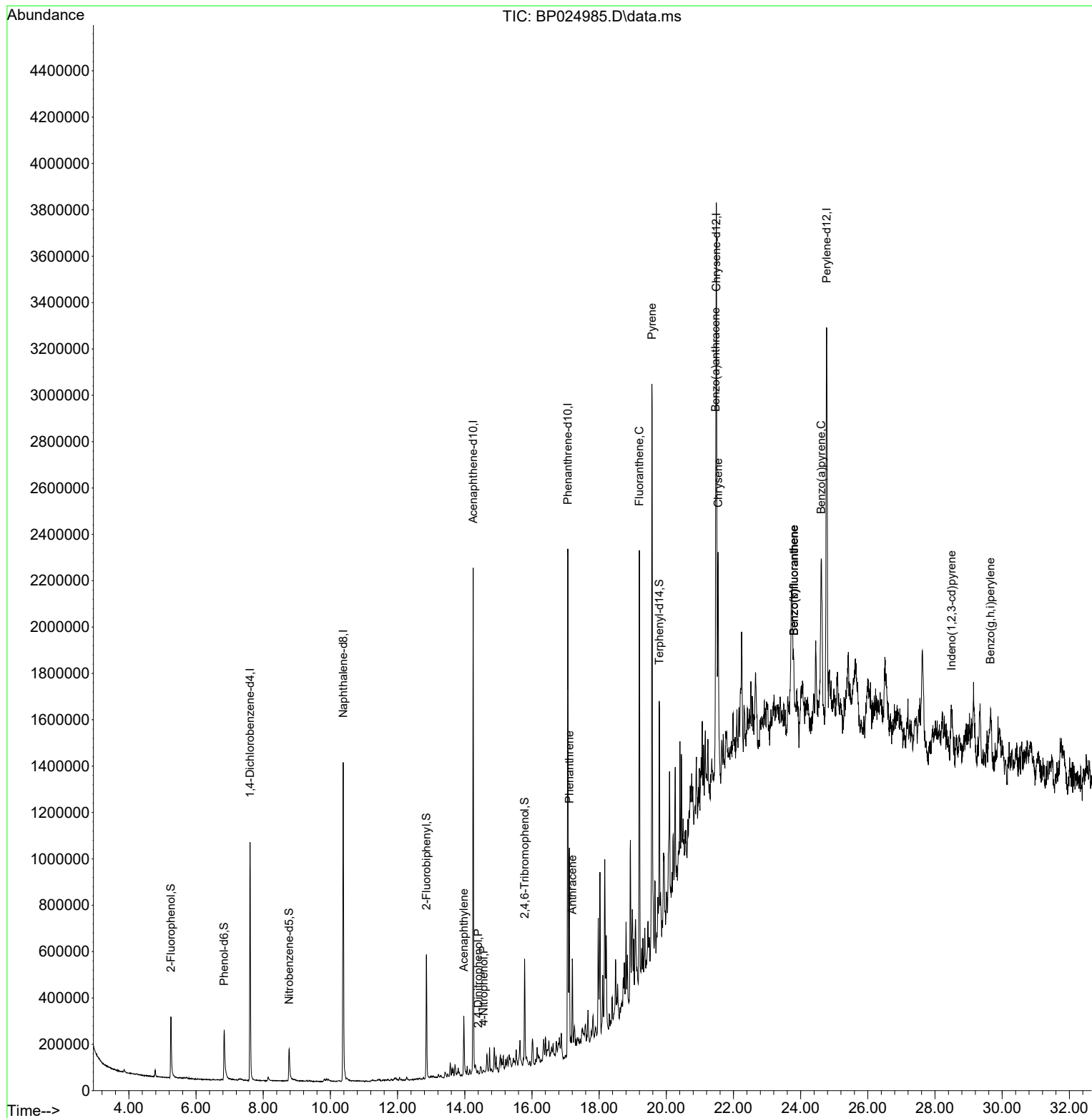
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	296868	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1180268	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	718311	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1354450	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1374030	20.000	ng	0.00
86) Perylene-d12	24.771	264	1626925	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.249	112	171269	9.630	ng	0.00
7) Phenol-d6	6.837	99	216503	9.201	ng	0.02
23) Nitrobenzene-d5	8.772	82	129694	5.340	ng	0.01
42) 2,4,6-Tribromophenol	15.783	330	93358	9.401	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	305315	5.726	ng	0.00
79) Terphenyl-d14	19.795	244	505266	6.591	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.972	152	209148	3.126	ng	98
54) 2,4-Dinitrophenol	14.401	184	57	5.571	ng	# 1
56) 4-Nitrophenol	14.560	139	737	5.478	ng	# 59
71) Phenanthrene	17.113	178	512971	6.853	ng	99
72) Anthracene	17.201	178	256436	3.383	ng	99
75) Fluoranthene	19.195	202	1124033	12.957	ng	98
78) Pyrene	19.572	202	1518660	17.691	ng	99
81) Benzo(a)anthracene	21.471	228	710330	8.083	ng	96
83) Chrysene	21.542	228	720354	8.651	ng	95
87) Indeno(1,2,3-cd)pyrene	28.495	276	318794	2.686	ng	97
88) Benzo(b)fluoranthene	23.801	252	189882	2.039	ng	# 87
89) Benzo(k)fluoranthene	23.801	252	189882	2.003	ng	# 87
90) Benzo(a)pyrene	24.612	252	590241	6.491	ng	# 92
92) Benzo(g,h,i)perylene	29.653	276	353455	3.687	ng	97

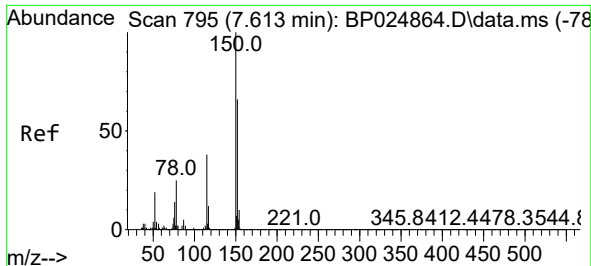
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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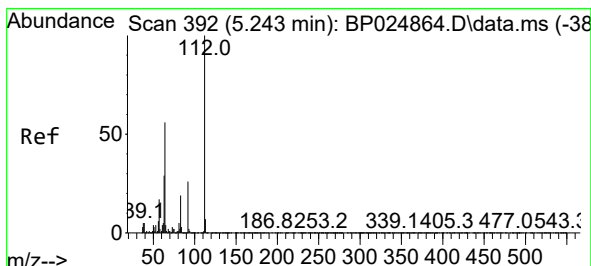
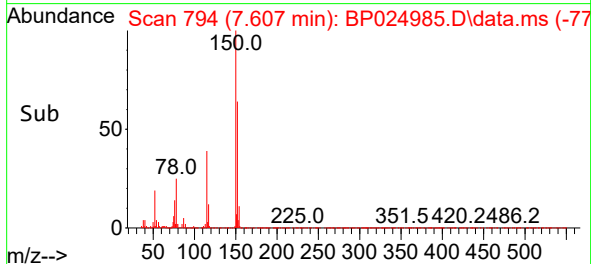
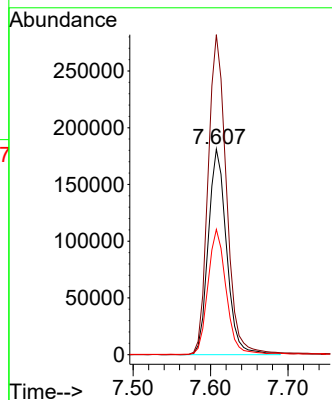
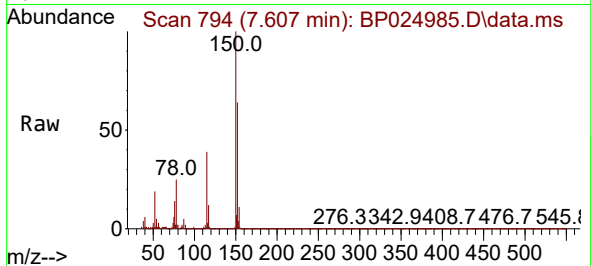




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.607 min Scan# 794
 Delta R.T. -0.006 min
 Lab File: BP024985.D
 Acq: 17 Jun 2025 21:31

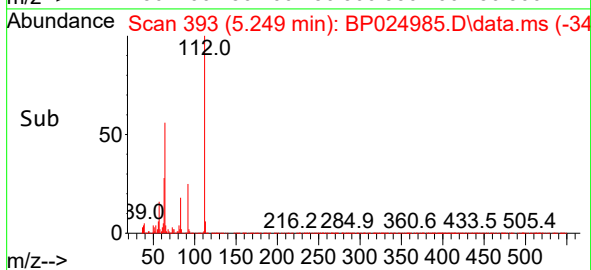
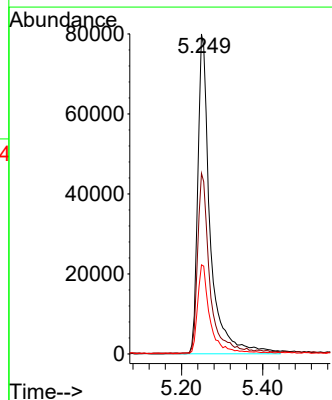
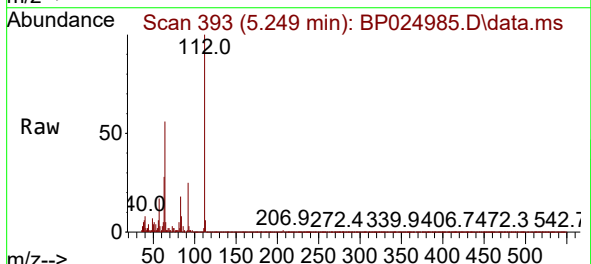
Instrument :
 BNA_P
 ClientSampleId :
 OK-03-061625

Tgt Ion:152 Resp: 296868
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.1 183.1
 115 60.9 46.4 69.6



#5
 2-Fluorophenol
 Concen: 9.630 ng
 RT: 5.249 min Scan# 393
 Delta R.T. 0.006 min
 Lab File: BP024985.D
 Acq: 17 Jun 2025 21:31

Tgt Ion:112 Resp: 171269
 Ion Ratio Lower Upper
 112 100
 64 56.5 44.7 67.1
 63 27.9 23.5 35.3

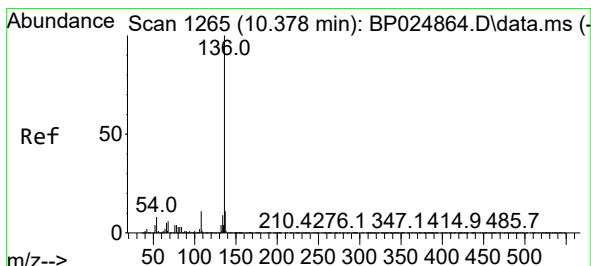
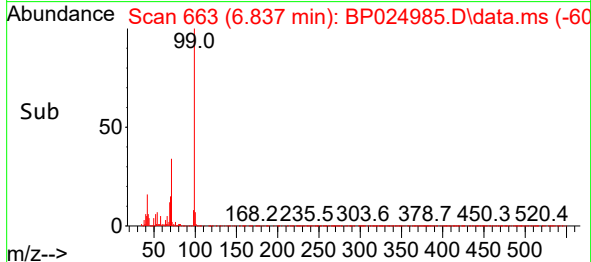
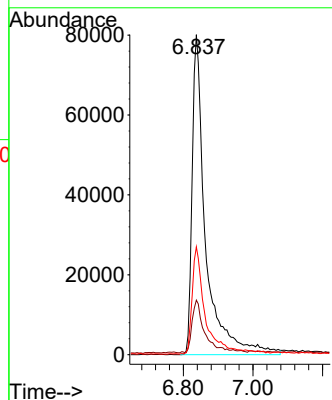
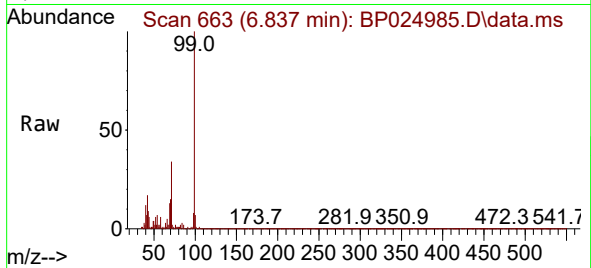




#7
Phenol-d6
Concen: 9.201 ng
RT: 6.837 min Scan# 60
Delta R.T. 0.023 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

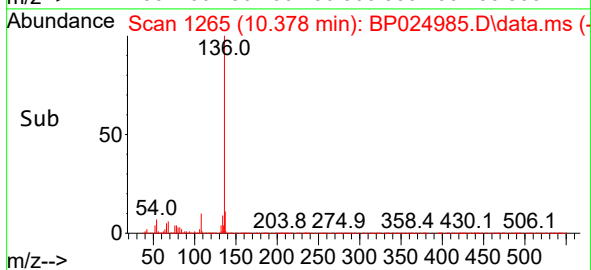
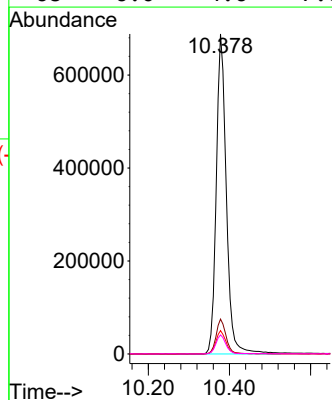
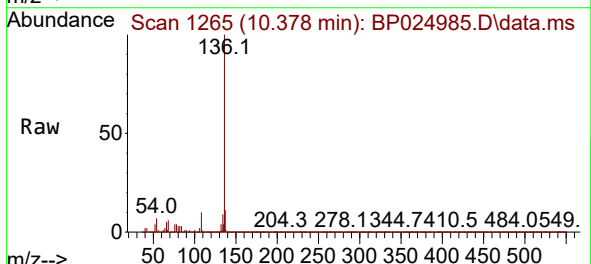
Instrument :
BNA_P
ClientSampleId :
OK-03-061625

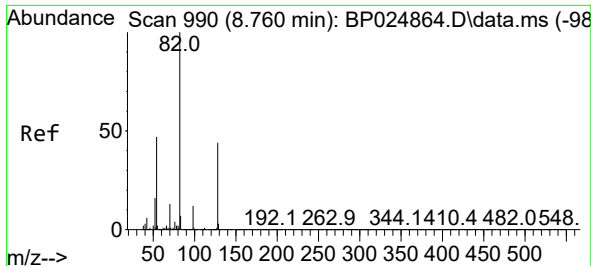
Tgt Ion: 99 Resp: 216503
Ion Ratio Lower Upper
99 100
42 17.1 13.4 20.2
71 33.7 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

Tgt Ion: 136 Resp: 1180268
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 6.1 9.1
68 6.0 4.6 7.0

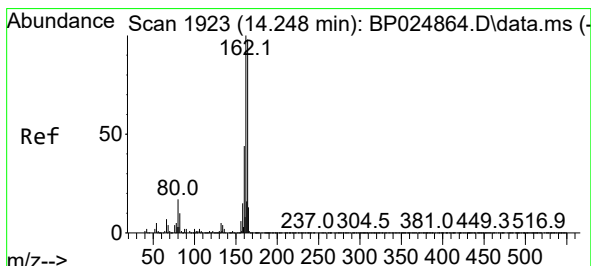
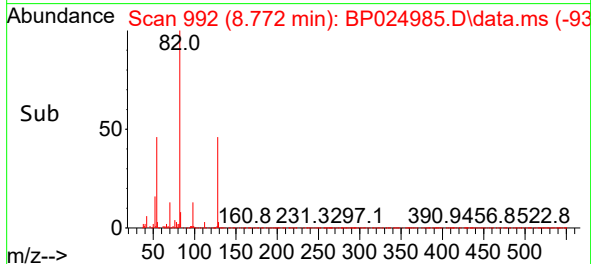
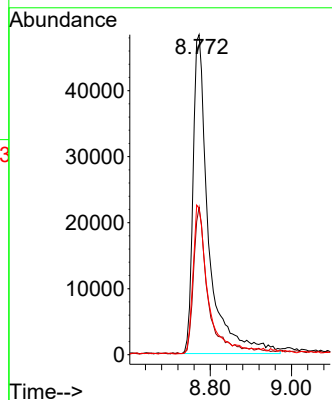
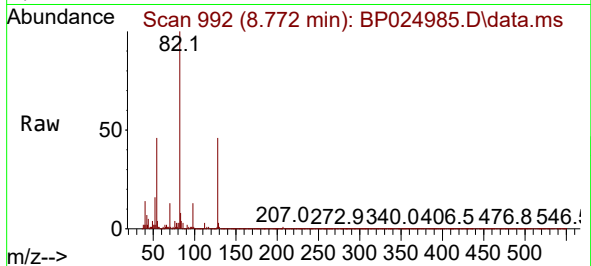




#23
Nitrobenzene-d5
Concen: 5.340 ng
RT: 8.772 min Scan# 990
Delta R.T. 0.012 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

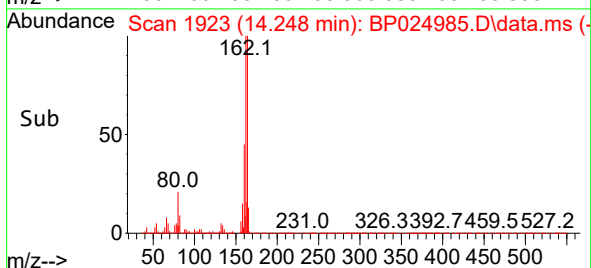
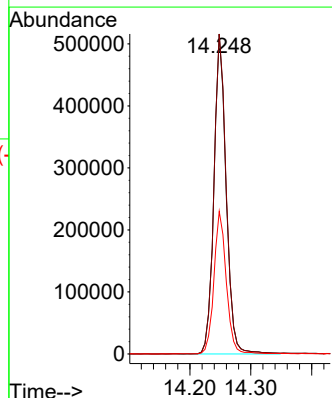
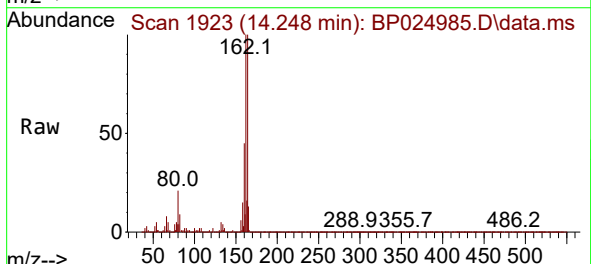
Instrument :
BNA_P
ClientSampleId :
OK-03-061625

Tgt Ion: 82 Resp: 129694
Ion Ratio Lower Upper
82 100
128 46.1 35.3 52.9
54 45.7 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

Tgt Ion: 164 Resp: 718311
Ion Ratio Lower Upper
164 100
162 100.1 81.6 122.4
160 44.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 9.401 ng

RT: 15.783 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

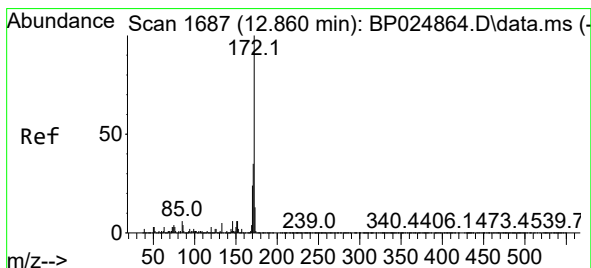
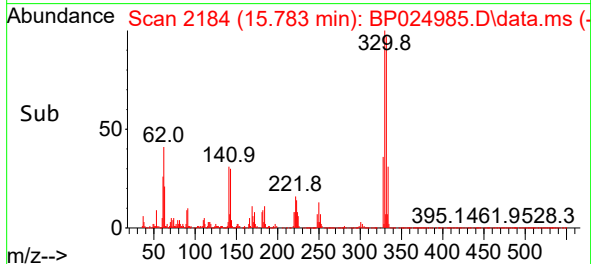
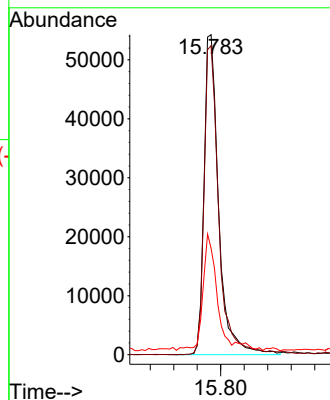
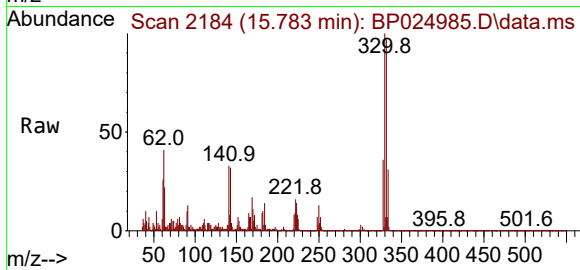
Tgt Ion:330 Resp: 93358

Ion Ratio Lower Upper

330 100

332 96.1 77.7 116.5

141 36.6 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 5.726 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

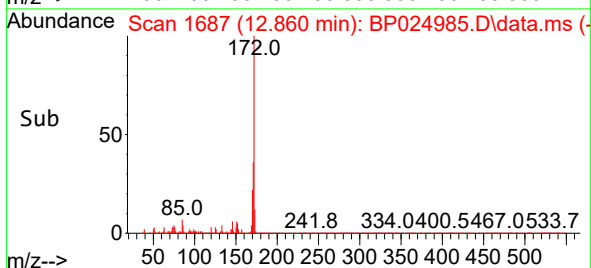
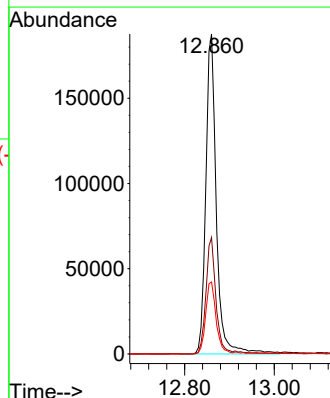
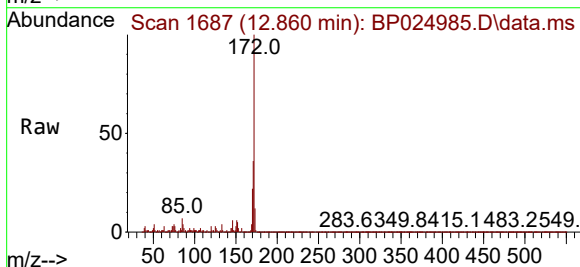
Tgt Ion:172 Resp: 305315

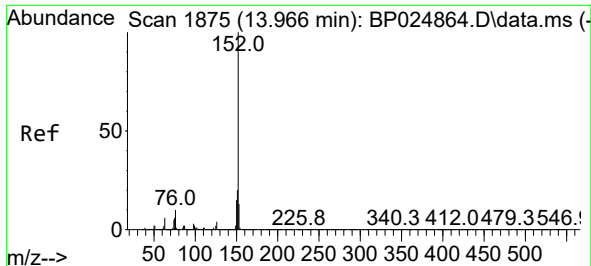
Ion Ratio Lower Upper

172 100

171 36.4 28.3 42.5

170 22.5 19.0 28.4

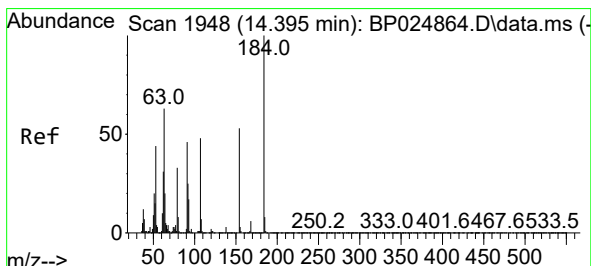
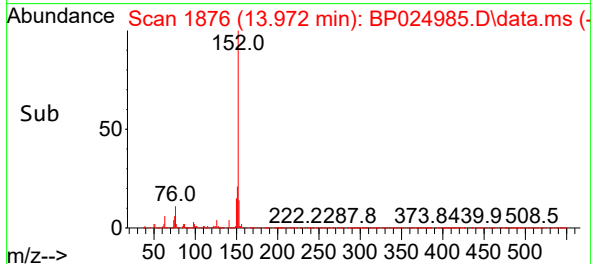
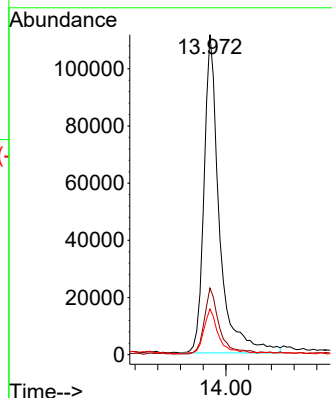
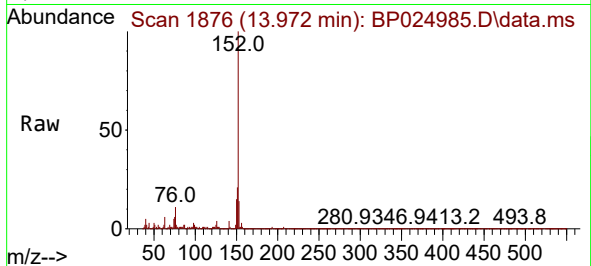




#49
Acenaphthylene
Concen: 3.126 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

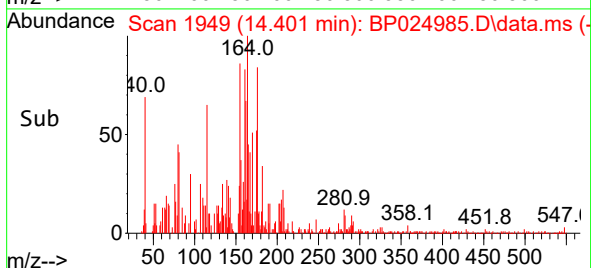
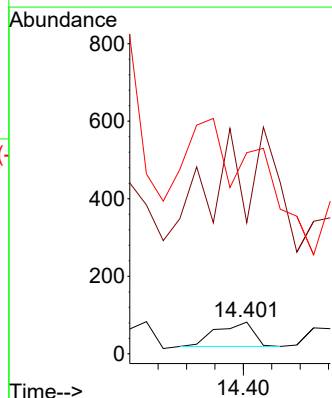
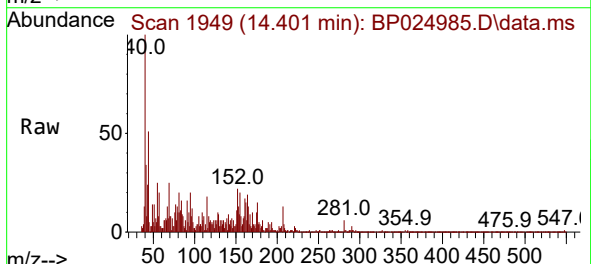
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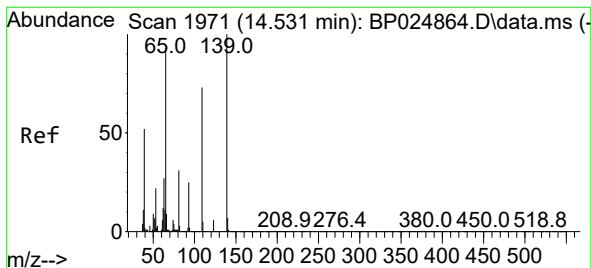
Tgt Ion:152 Resp: 209148
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 14.3 10.6 15.8



#54
2,4-Dinitrophenol
Concen: 5.571 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 412.2 51.0 76.4#
154 632.9 51.7 77.5#

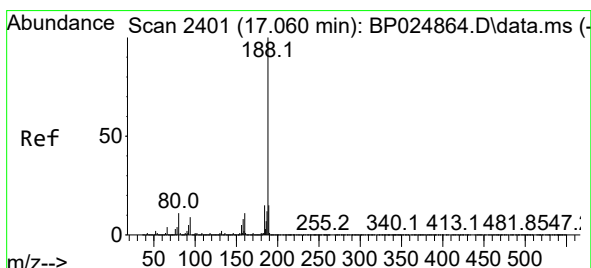
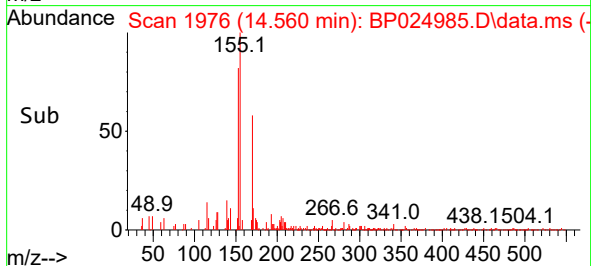
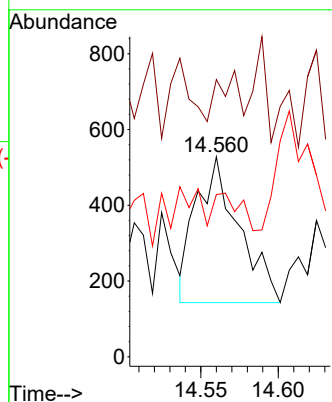
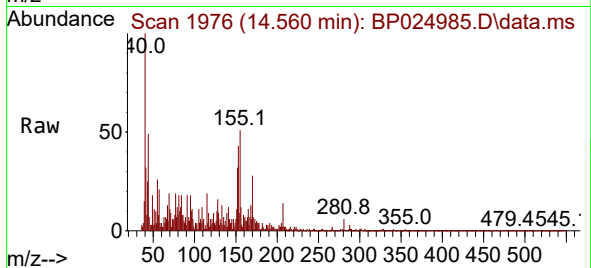




#56
4-Nitrophenol
Concen: 5.478 ng
RT: 14.560 min Scan# 1976
Delta R.T. 0.029 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

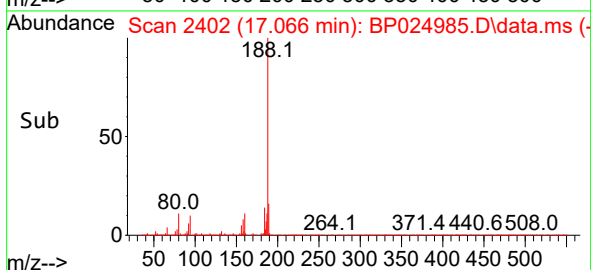
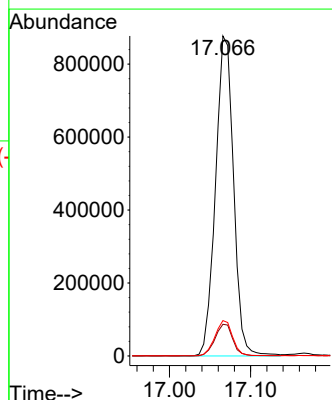
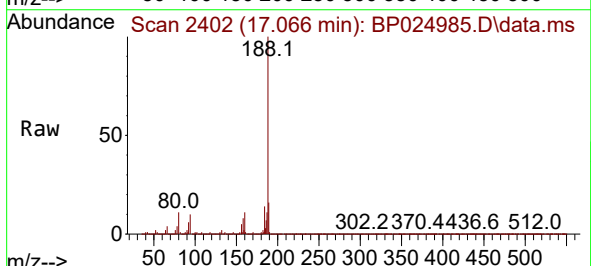
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BNA_P
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OK-03-061625

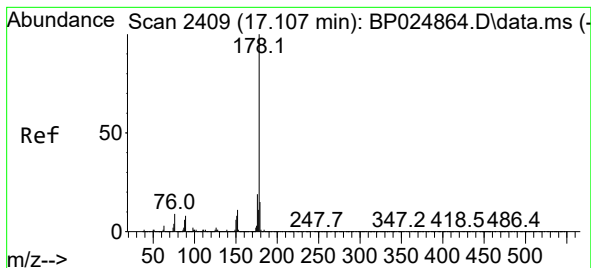
Tgt Ion:139 Resp: 737
Ion Ratio Lower Upper
139 100
109 138.6 53.1 93.1#
65 81.1 73.0 113.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

Tgt Ion:188 Resp: 1354450
Ion Ratio Lower Upper
188 100
94 9.9 7.3 10.9
80 11.1 8.5 12.7





#71

Phenanthrene

Concen: 6.853 ng

RT: 17.113 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

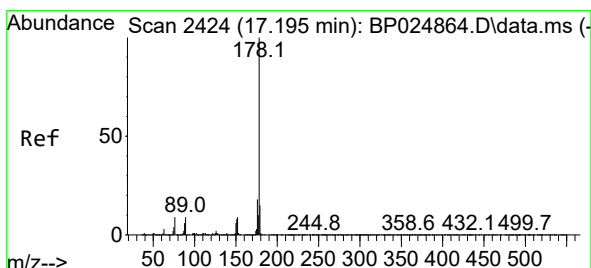
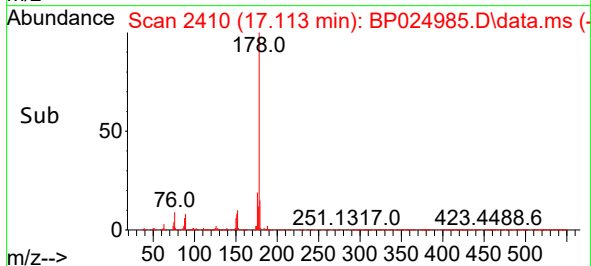
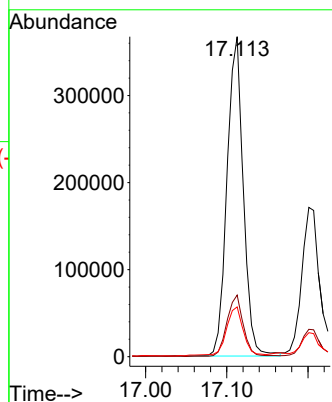
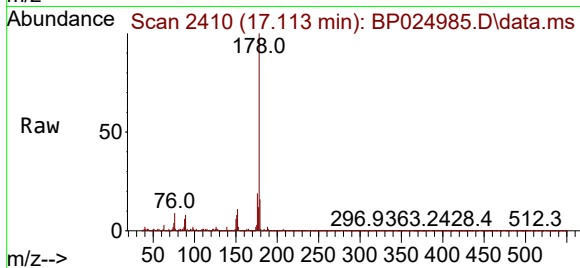
Tgt Ion:178 Resp: 512971

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.6 12.1 18.1



#72

Anthracene

Concen: 3.383 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

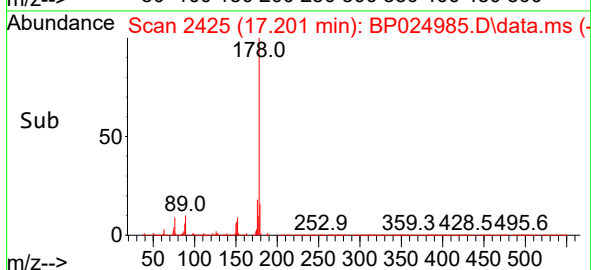
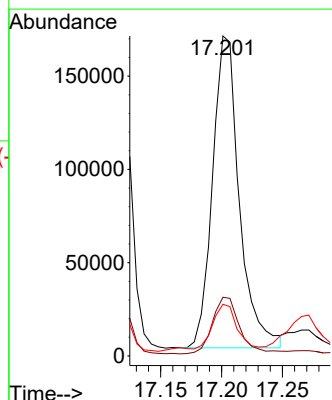
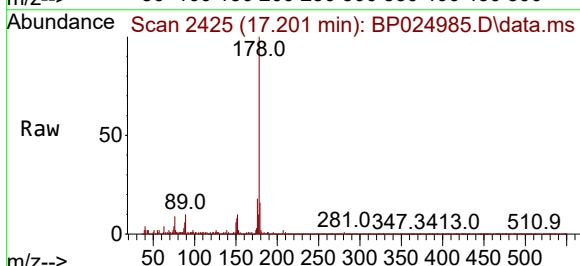
Tgt Ion:178 Resp: 256436

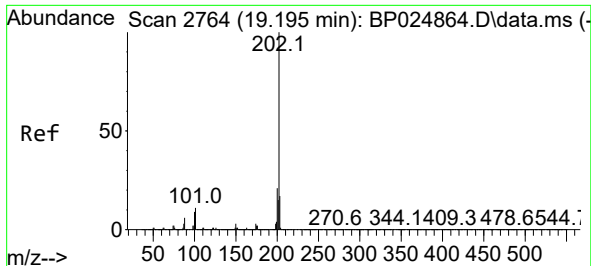
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 16.1 12.3 18.5

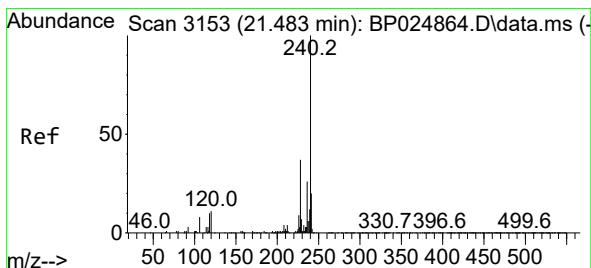
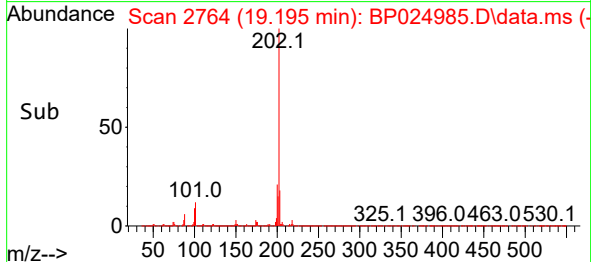
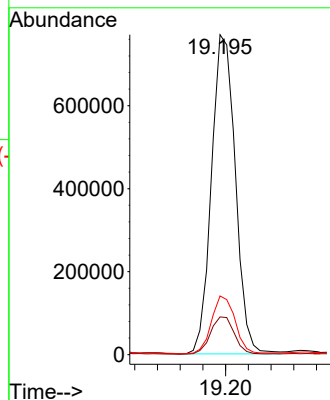
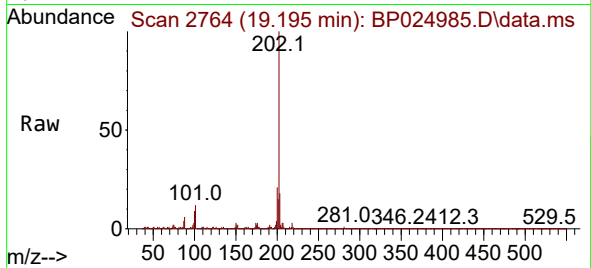




#75
Fluoranthene
Concen: 12.957 ng
RT: 19.195 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

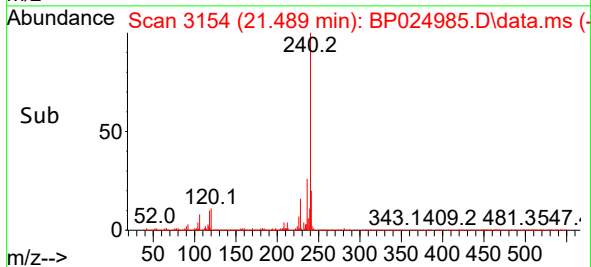
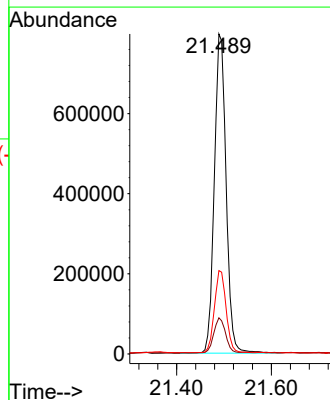
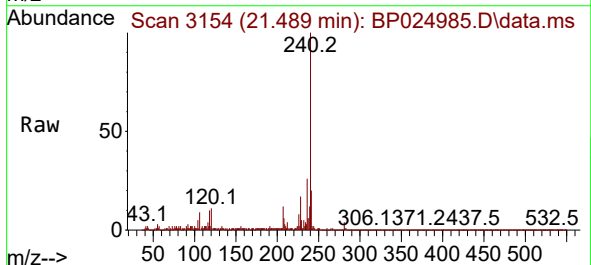
Instrument :
BNA_P
ClientSampleId :
OK-03-061625

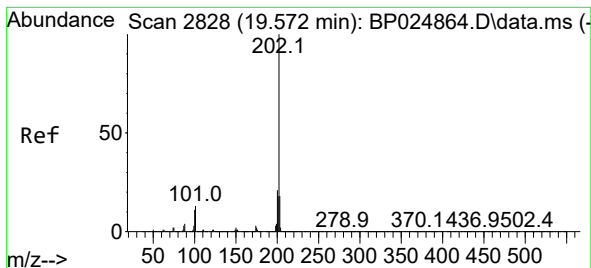
Tgt Ion:202 Resp: 1124033
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 18.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024985.D
Acq: 17 Jun 2025 21:31

Tgt Ion:240 Resp: 1374030
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 26.0 20.9 31.3





#78

Pyrene

Concen: 17.691 ng

RT: 19.572 min Scan# 2828

Delta R.T. -0.000 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

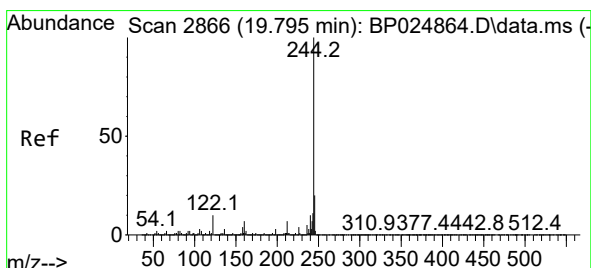
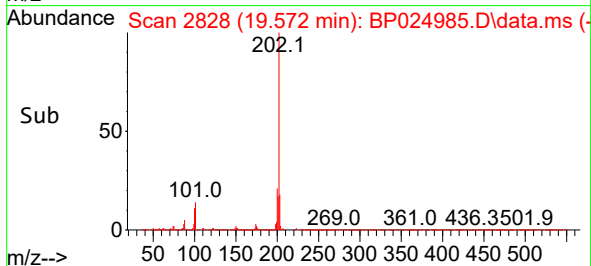
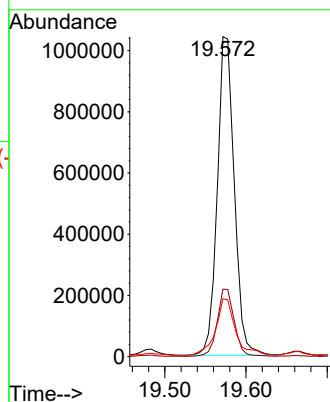
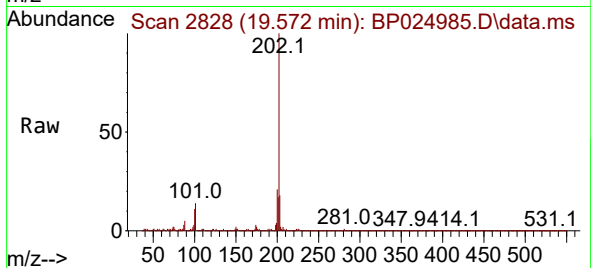
Tgt Ion:202 Resp: 1518660

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.1 14.0 21.0



#79

Terphenyl-d14

Concen: 6.591 ng

RT: 19.795 min Scan# 2866

Delta R.T. -0.000 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

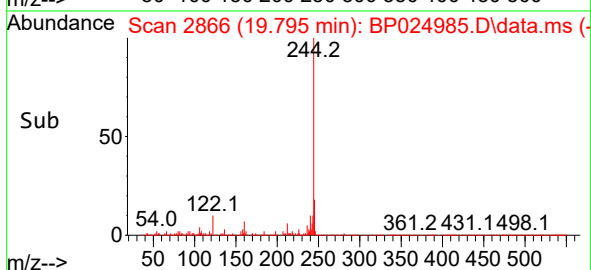
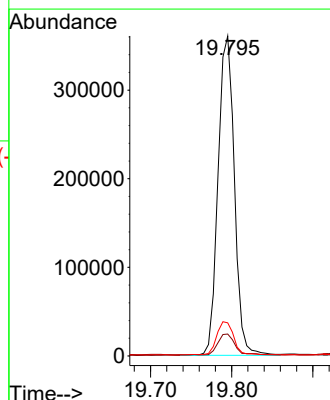
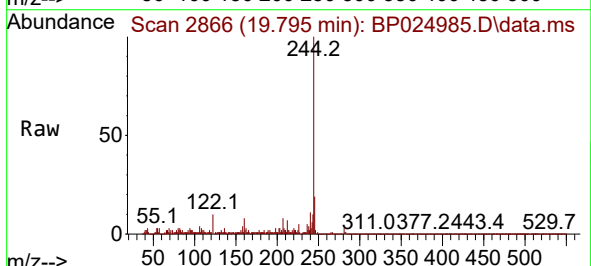
Tgt Ion:244 Resp: 505266

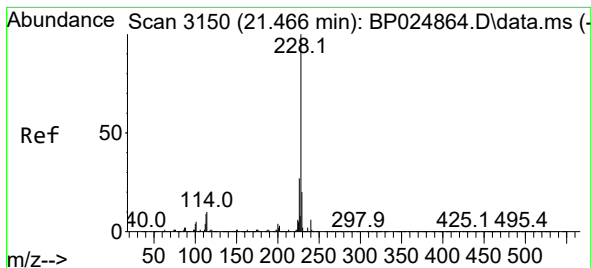
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.4 7.7 11.5





#81

Benzo(a)anthracene

Concen: 8.083 ng

RT: 21.471 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

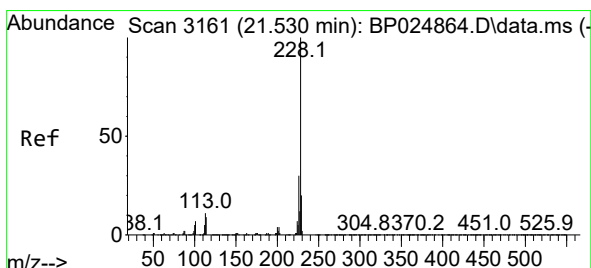
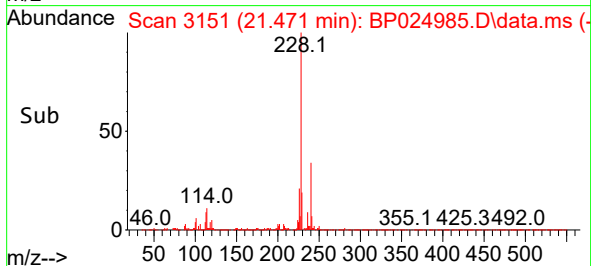
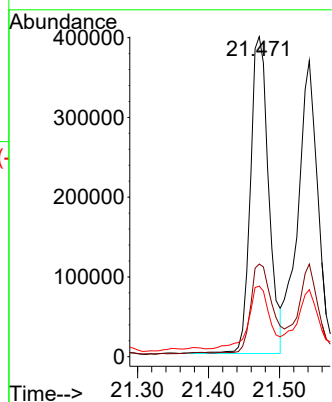
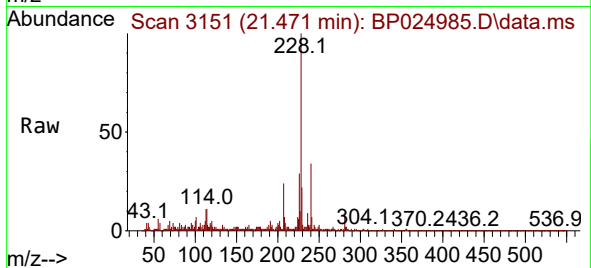
Tgt Ion:228 Resp: 710330

Ion Ratio Lower Upper

228 100

226 29.0 22.1 33.1

229 22.1 15.9 23.9



#83

Chrysene

Concen: 8.651 ng

RT: 21.542 min Scan# 3163

Delta R.T. 0.012 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

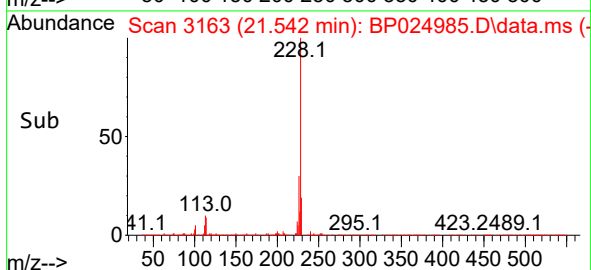
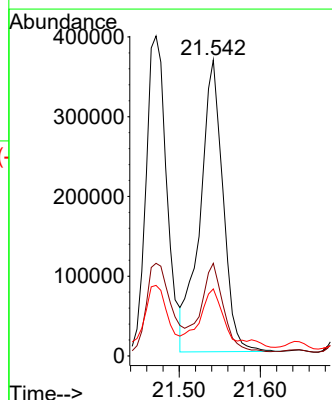
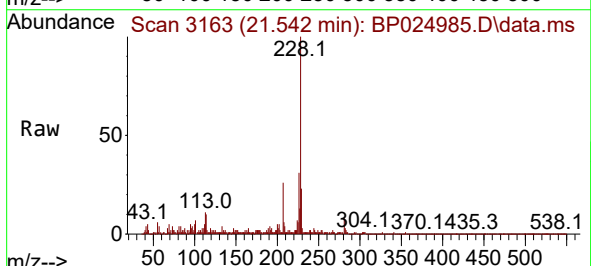
Tgt Ion:228 Resp: 720354

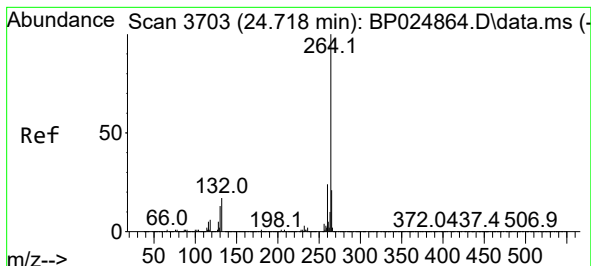
Ion Ratio Lower Upper

228 100

226 31.3 23.8 35.6

229 22.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.771 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

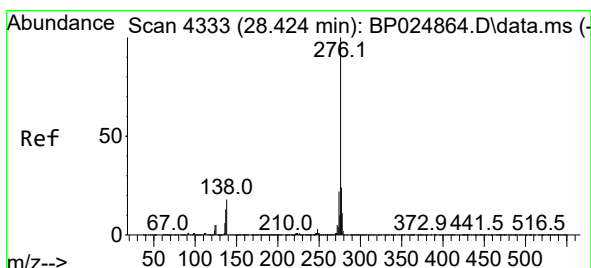
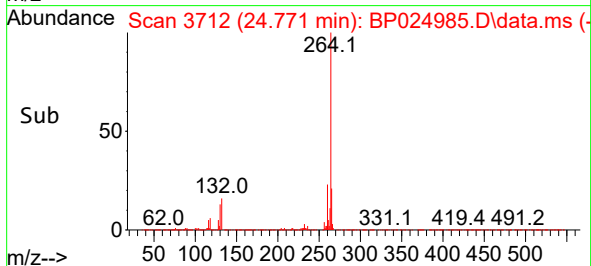
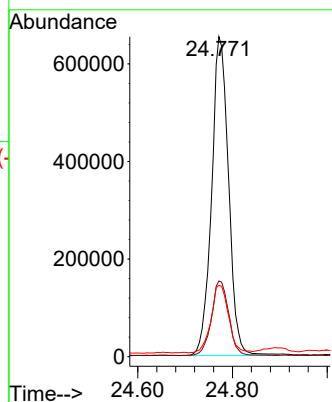
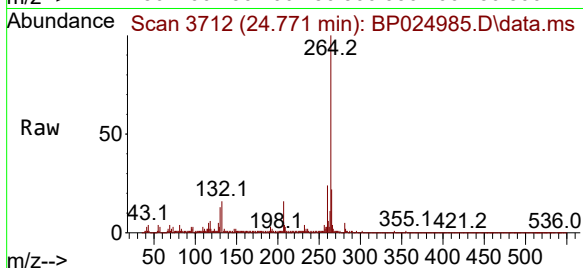
Tgt Ion:264 Resp: 1626925

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 22.3 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.686 ng

RT: 28.495 min Scan# 4345

Delta R.T. 0.070 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

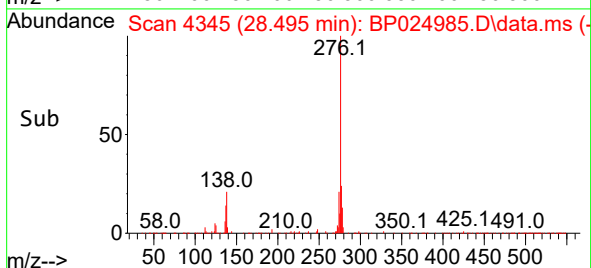
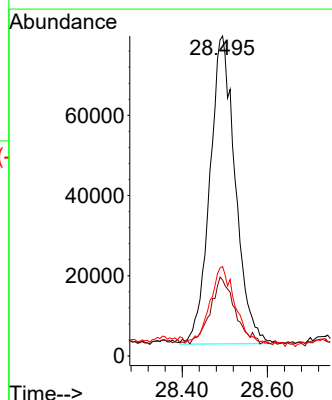
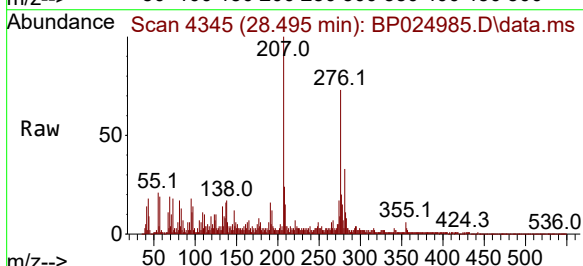
Tgt Ion:276 Resp: 318794

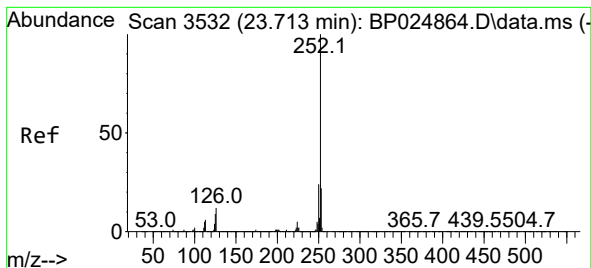
Ion Ratio Lower Upper

276 100

138 20.7 18.6 27.8

277 25.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 2.039 ng

RT: 23.801 min Scan# 3547

Delta R.T. 0.088 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

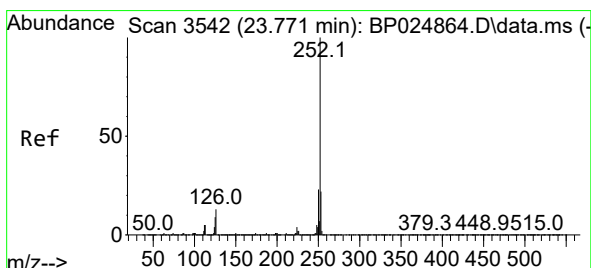
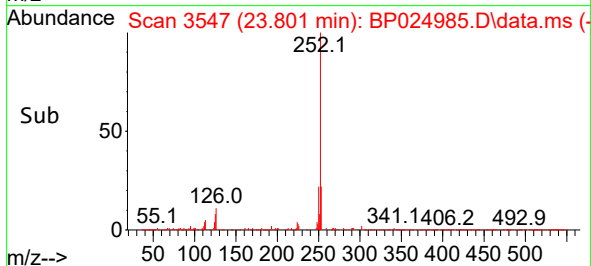
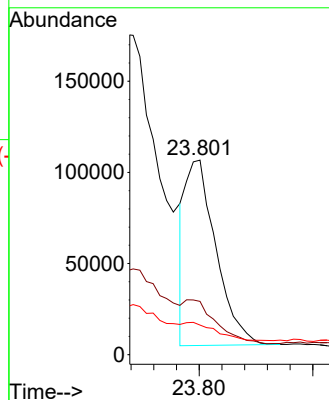
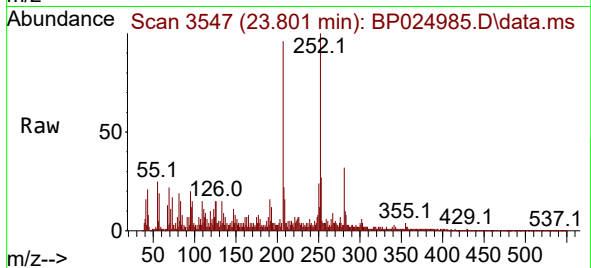
Tgt Ion:252 Resp: 189882

Ion Ratio Lower Upper

252 100

253 27.4 17.6 26.4#

125 15.2 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 2.003 ng

RT: 23.801 min Scan# 3547

Delta R.T. 0.029 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

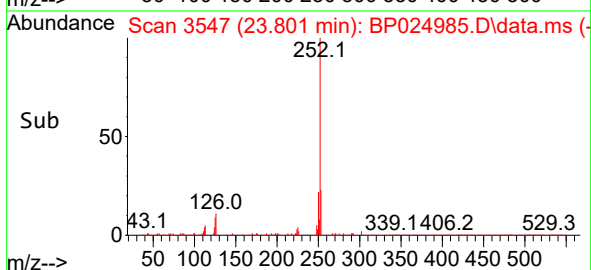
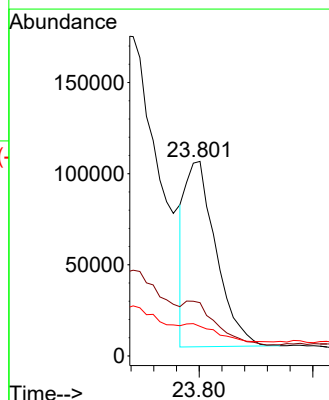
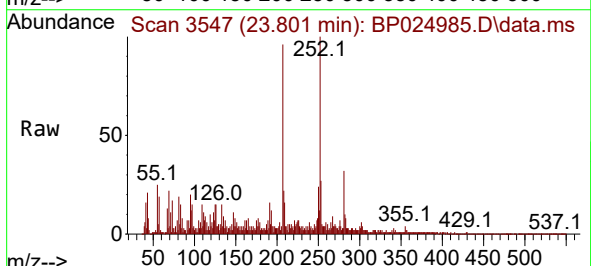
Tgt Ion:252 Resp: 189882

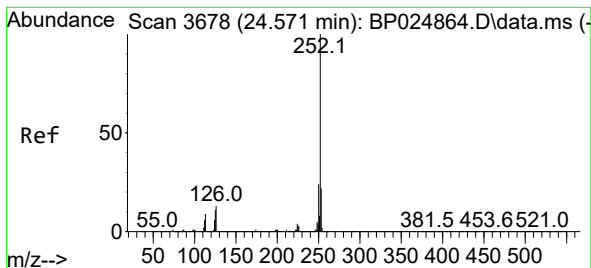
Ion Ratio Lower Upper

252 100

253 27.4 17.7 26.5#

125 15.2 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 6.491 ng

RT: 24.612 min Scan# 3

Delta R.T. 0.041 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Instrument :

BNA_P

ClientSampleId :

OK-03-061625

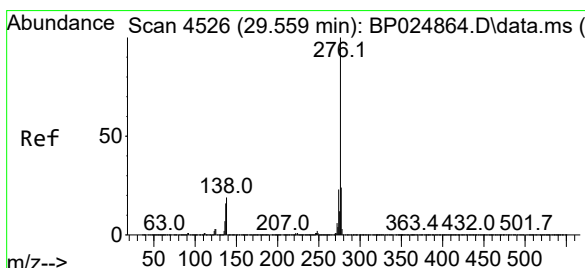
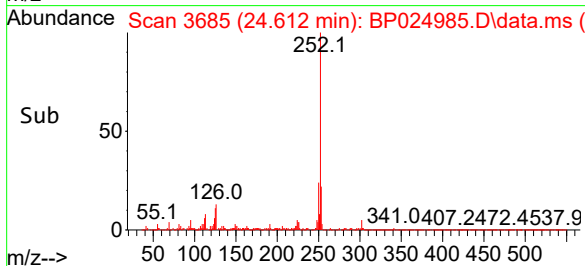
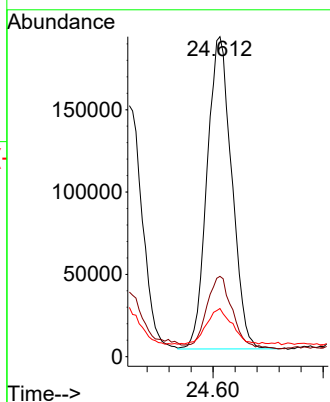
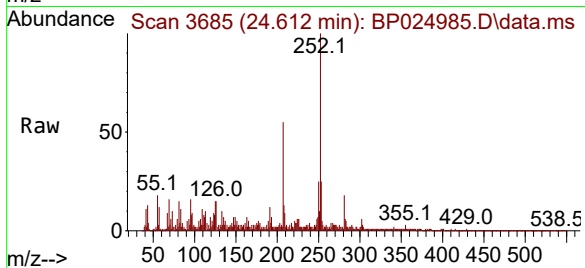
Tgt Ion:252 Resp: 590241

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 15.1 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.687 ng

RT: 29.653 min Scan# 4542

Delta R.T. 0.094 min

Lab File: BP024985.D

Acq: 17 Jun 2025 21:31

Tgt Ion:276 Resp: 353455

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 21.2 15.4 23.2

