

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024645.D
 Acq On : 15 May 2025 20:04
 Operator : RC/JU
 Sample : Q1984-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-27-050725

Quant Time: May 16 01:17:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

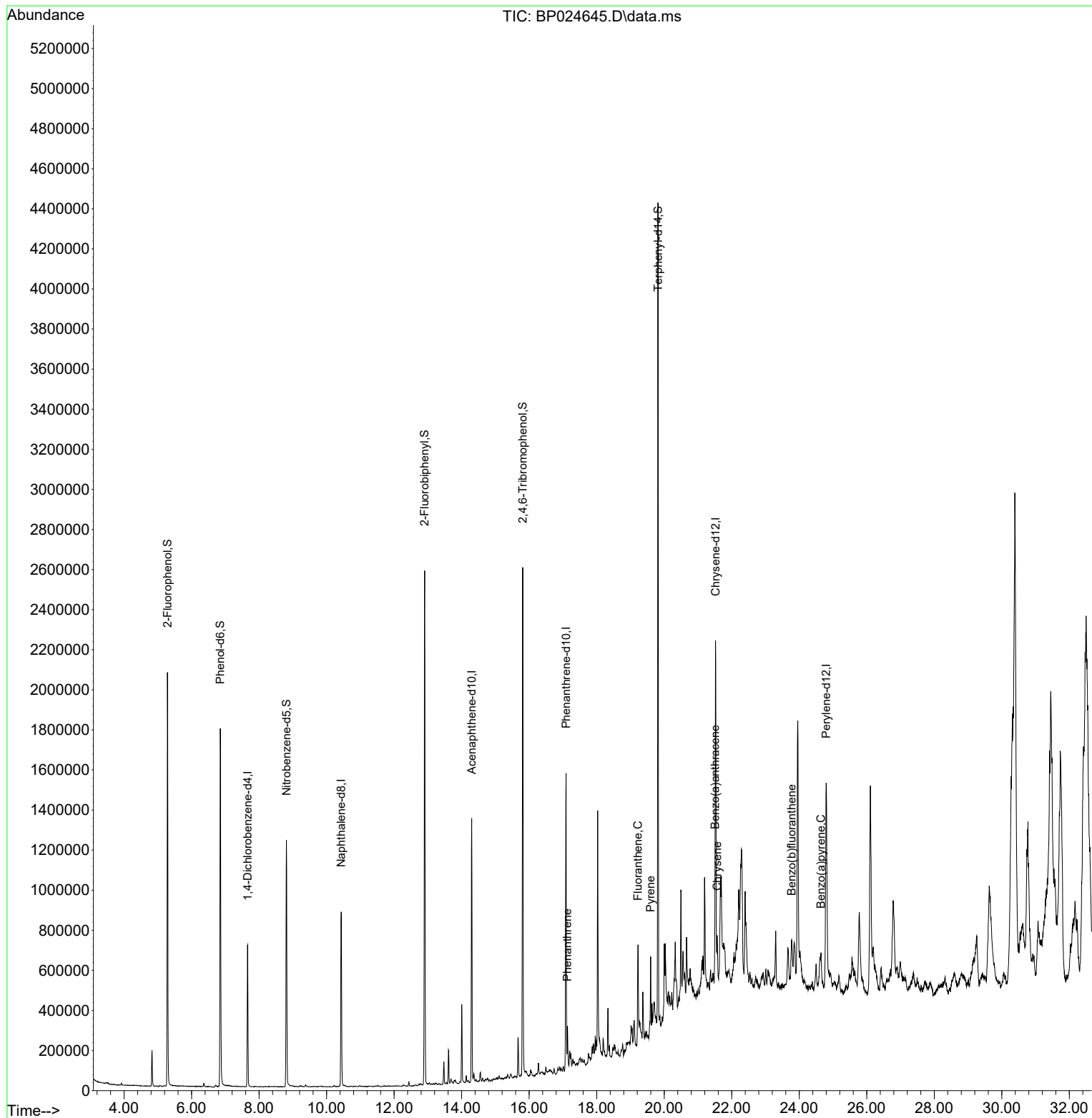
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	191006	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	745950	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	449224	20.000	ng	0.00
64) Phenanthrene-d10	17.092	188	846872	20.000	ng	0.00
76) Chrysene-d12	21.521	240	939807	20.000	ng	0.00
86) Perylene-d12	24.797	264	1134836	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	901449	80.721	ng	0.00
7) Phenol-d6	6.851	99	1072017	75.214	ng	0.00
23) Nitrobenzene-d5	8.810	82	716222	48.513	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	560459	73.593	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1399760	40.823	ng	0.00
79) Terphenyl-d14	19.815	244	1916783	34.972	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.133	178	129320	2.747	ng	99
75) Fluoranthene	19.221	202	294514	5.352	ng	98
78) Pyrene	19.598	202	235873	4.189	ng	99
81) Benzo(a)anthracene	21.504	228	129019	2.186	ng	92
83) Chrysene	21.568	228	139150m	2.487	ng	
88) Benzo(b)fluoranthene	23.774	252	211556	3.257	ng	# 94
90) Benzo(a)pyrene	24.645	252	127234	2.039	ng	# 92

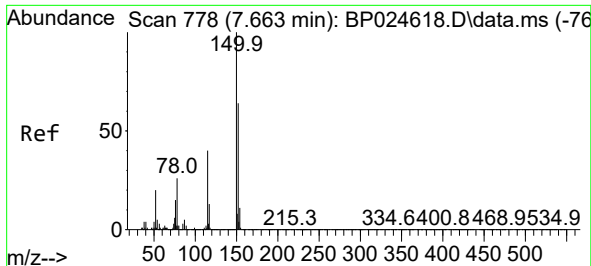
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024645.D
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Operator : RC/JU
Sample : Q1984-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
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OU4-TS-27-050725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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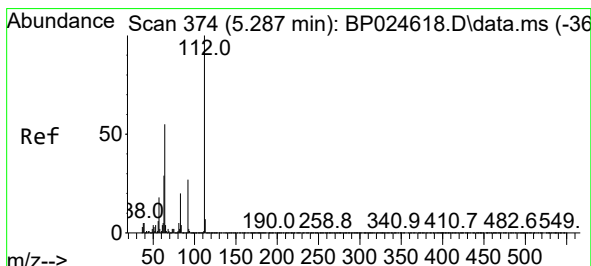
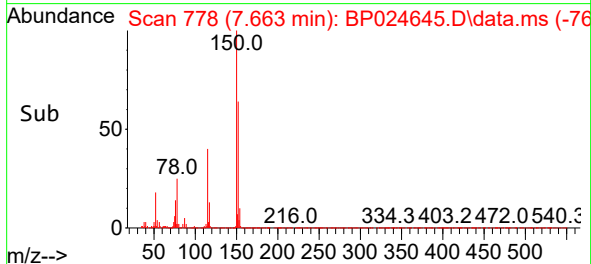
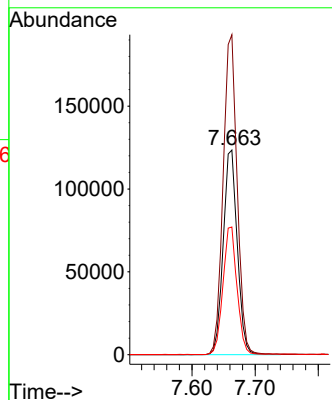
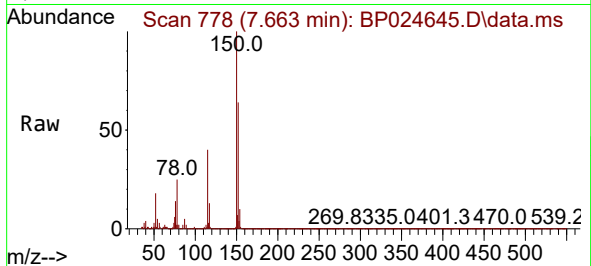




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

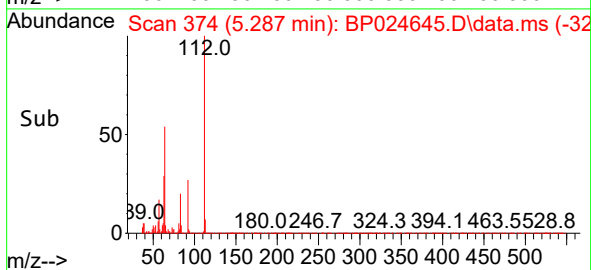
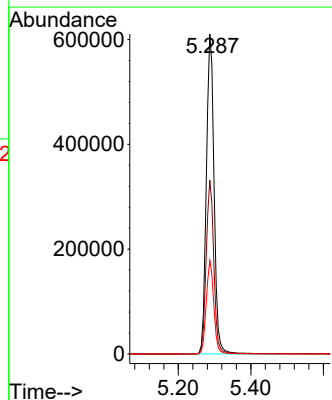
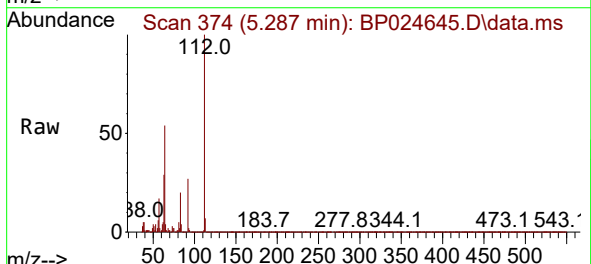
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

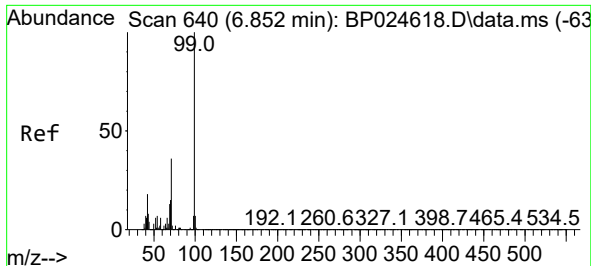
Tgt Ion:152 Resp: 191006
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 62.4 50.1 75.1



#5
2-Fluorophenol
Concen: 80.721 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:112 Resp: 901449
Ion Ratio Lower Upper
112 100
64 54.2 44.1 66.1
63 29.2 23.5 35.3

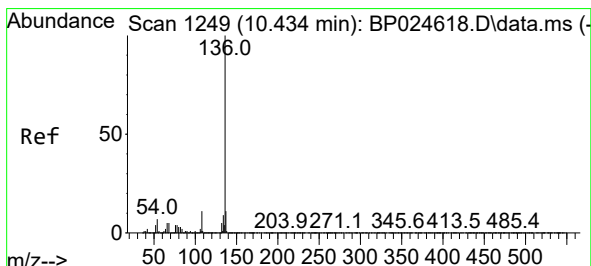
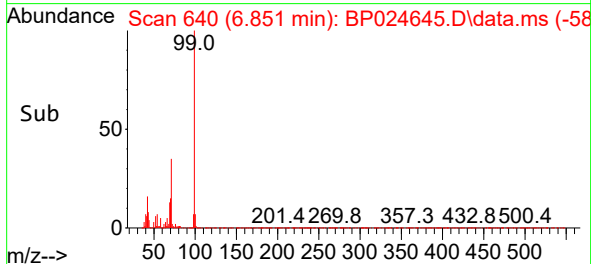
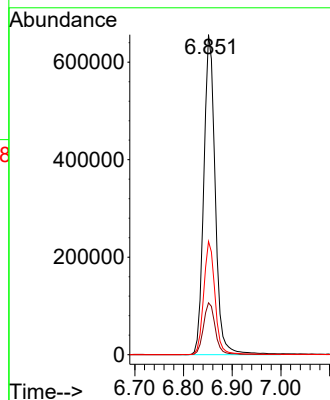
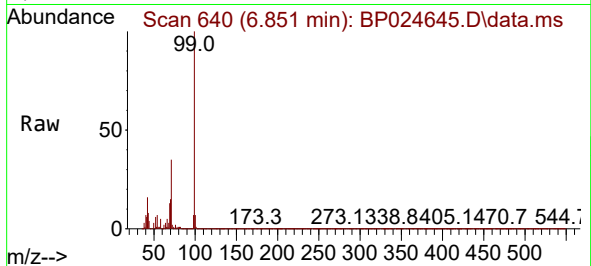




#7
Phenol-d6
Concen: 75.214 ng
RT: 6.851 min Scan# 640
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

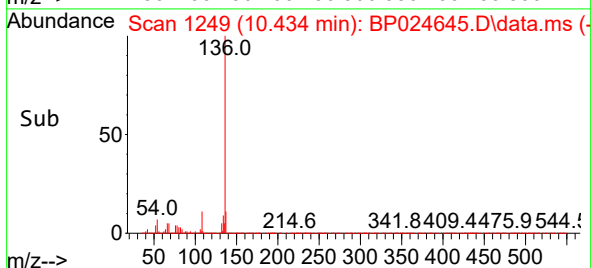
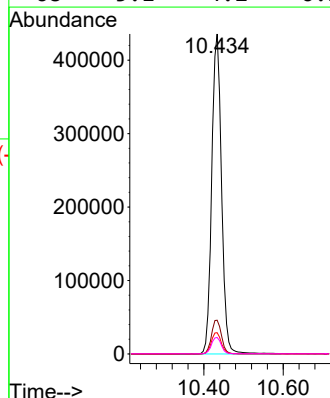
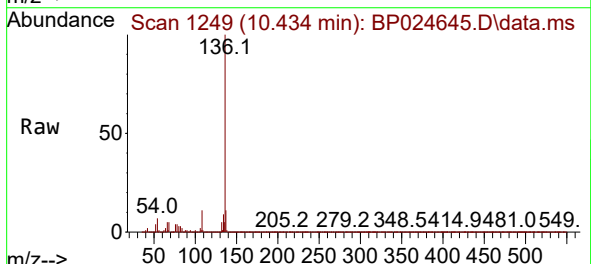
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

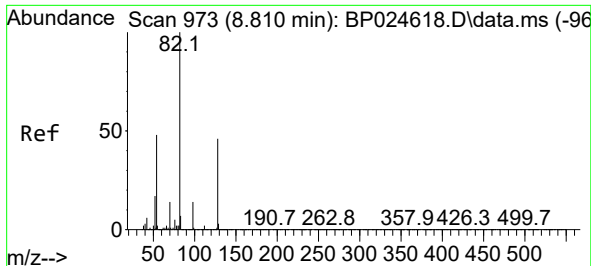
Tgt Ion: 99 Resp: 1072017
Ion Ratio Lower Upper
99 100
42 16.2 14.4 21.6
71 35.4 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion: 136 Resp: 745950
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.7 5.5 8.3
68 5.1 4.2 6.2

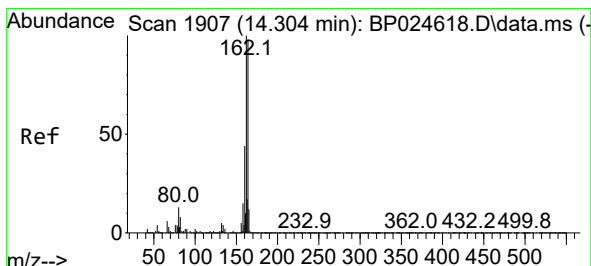
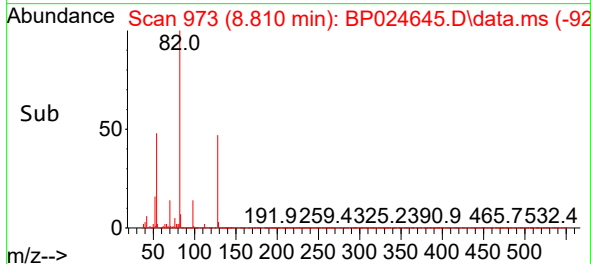
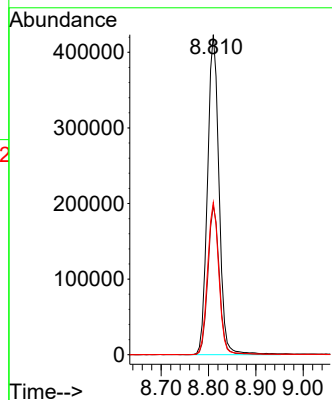
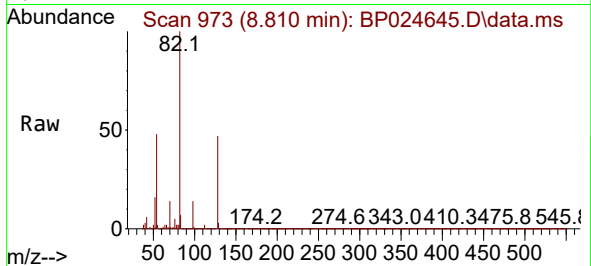




#23
Nitrobenzene-d5
Concen: 48.513 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

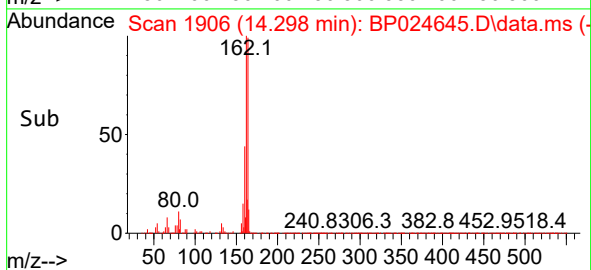
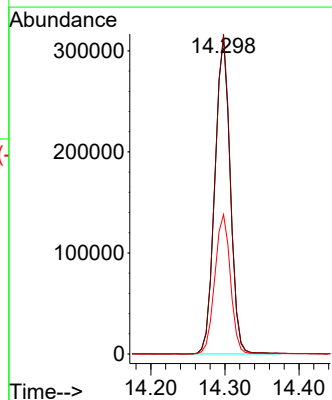
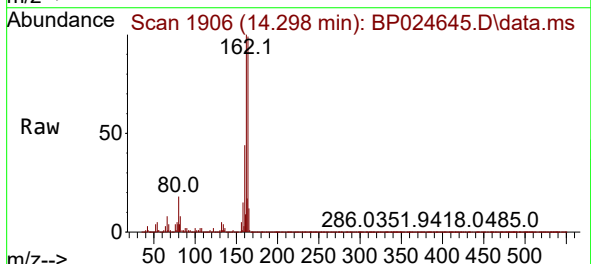
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

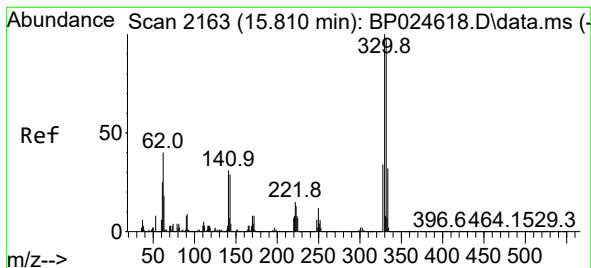
Tgt Ion: 82 Resp: 716222
Ion Ratio Lower Upper
82 100
128 46.6 37.0 55.4
54 47.6 38.7 58.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:164 Resp: 449224
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 44.1 36.3 54.5

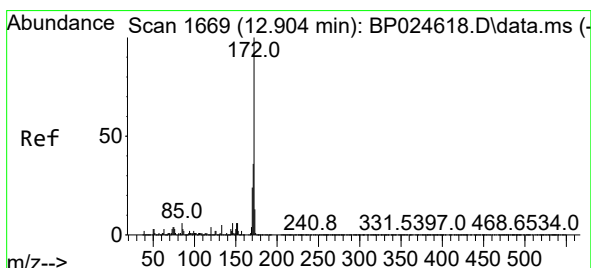
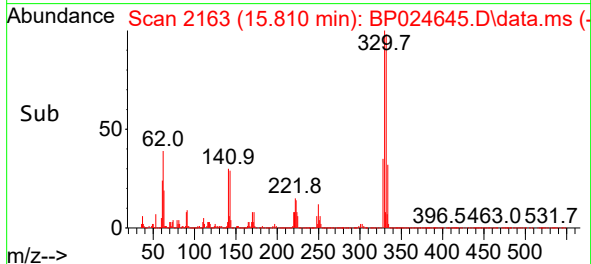
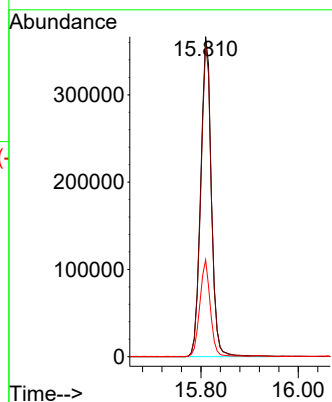
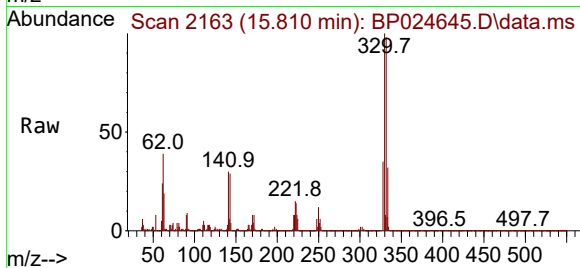




#42
2,4,6-Tribromophenol
Concen: 73.593 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

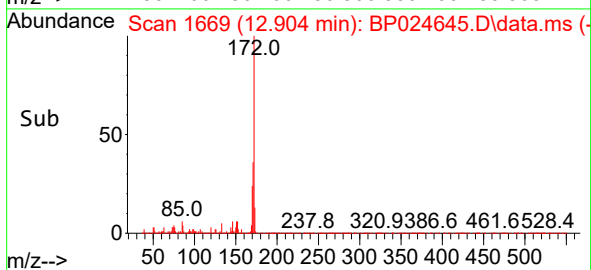
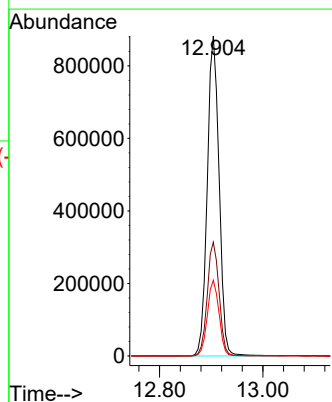
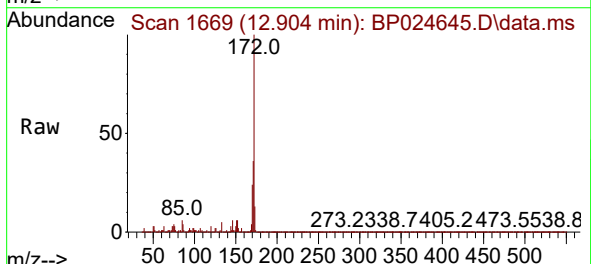
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

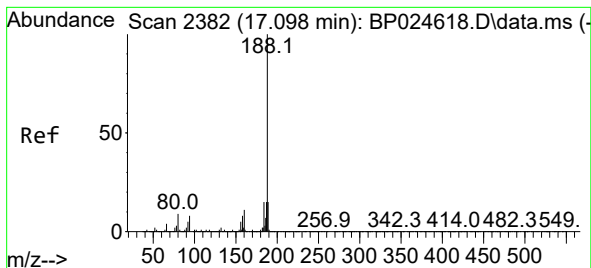
Tgt Ion: 330 Resp: 560459
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.4
141 29.4 24.3 36.5



#45
2-Fluorobiphenyl
Concen: 40.823 ng
RT: 12.904 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion: 172 Resp: 1399760
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.6 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

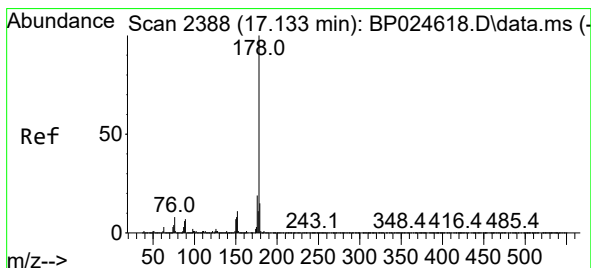
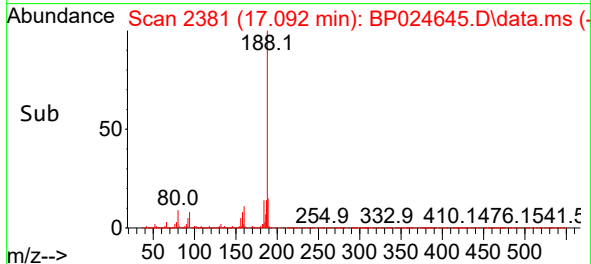
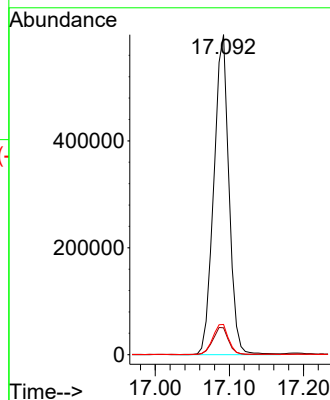
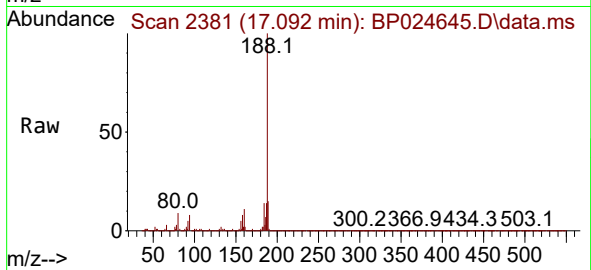
Tgt Ion:188 Resp: 846872

Ion Ratio Lower Upper

188 100

94 8.4 6.5 9.7

80 9.5 7.3 10.9



#71

Phenanthrene

Concen: 2.747 ng

RT: 17.133 min Scan# 2388

Delta R.T. -0.000 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

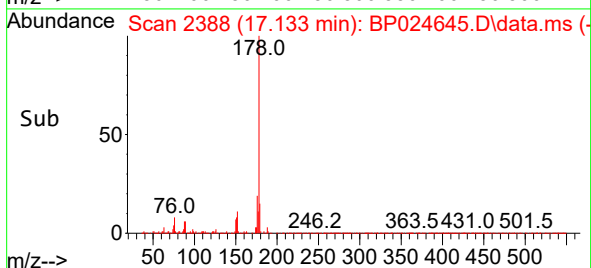
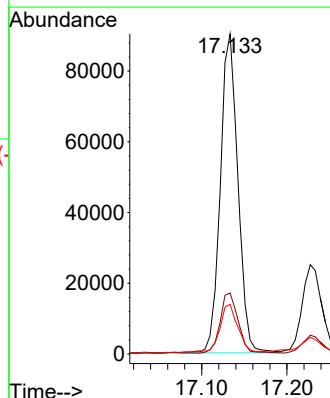
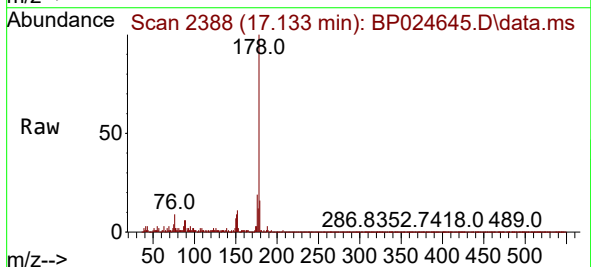
Tgt Ion:178 Resp: 129320

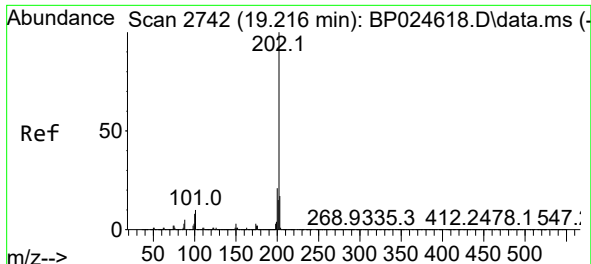
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.5 12.2 18.4

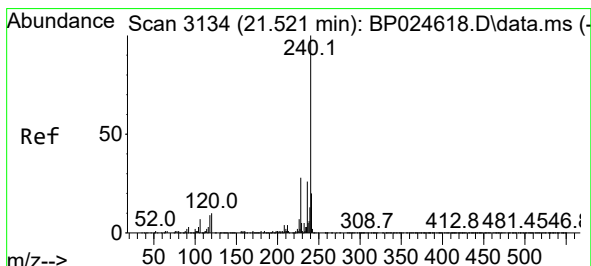
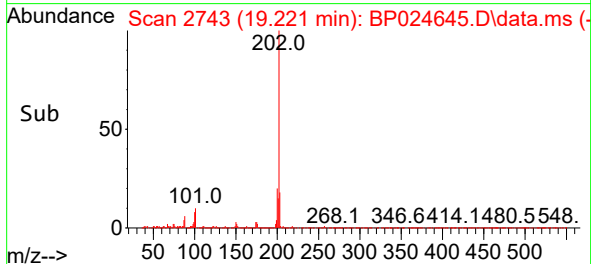
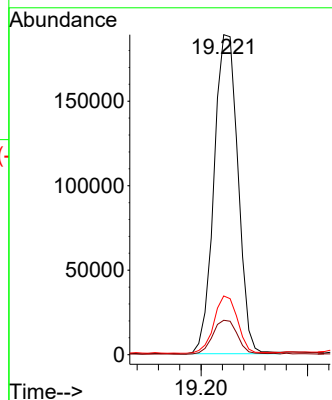
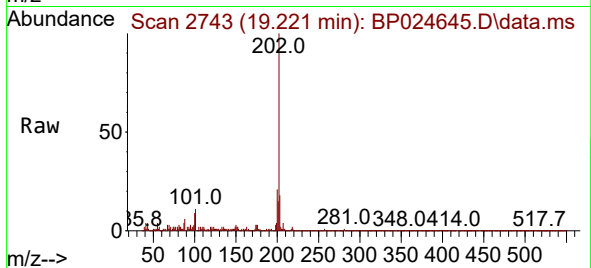




#75
Fluoranthene
Concen: 5.352 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

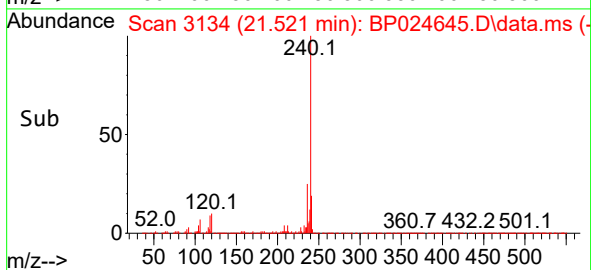
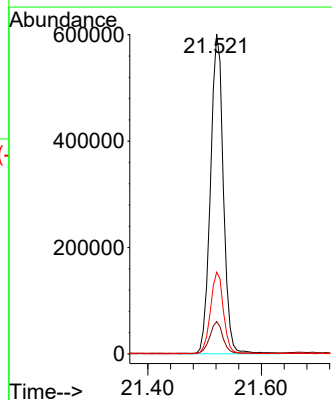
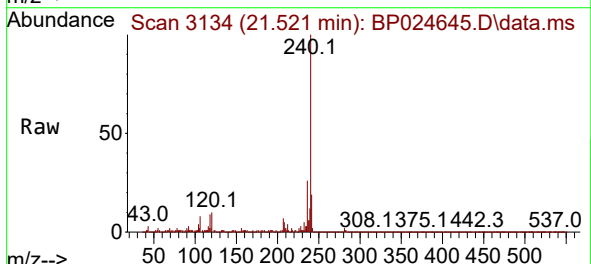
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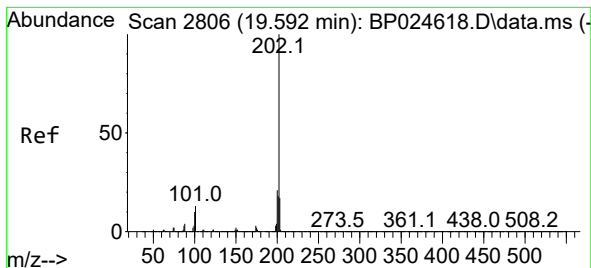
Tgt Ion:202 Resp: 294514
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.3
203 18.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:240 Resp: 939807
Ion Ratio Lower Upper
240 100
120 10.1 7.8 11.6
236 25.5 20.6 31.0





#78

Pyrene

Concen: 4.189 ng

RT: 19.598 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

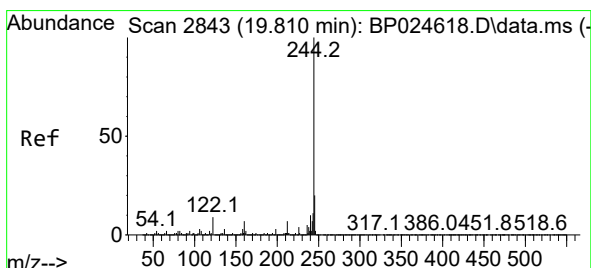
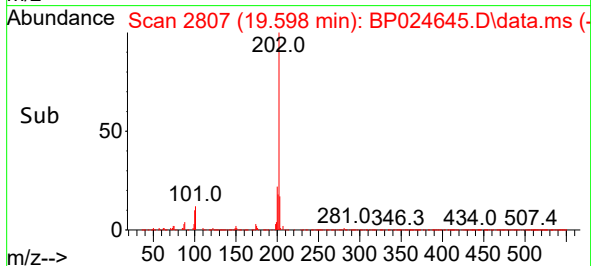
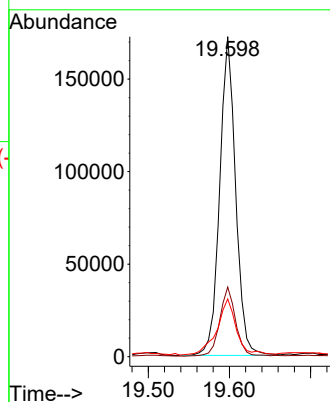
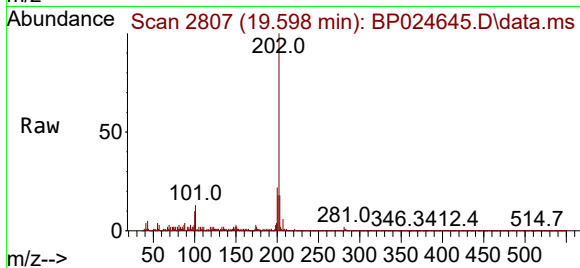
Tgt Ion:202 Resp: 235873

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 34.972 ng

RT: 19.815 min Scan# 2844

Delta R.T. 0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

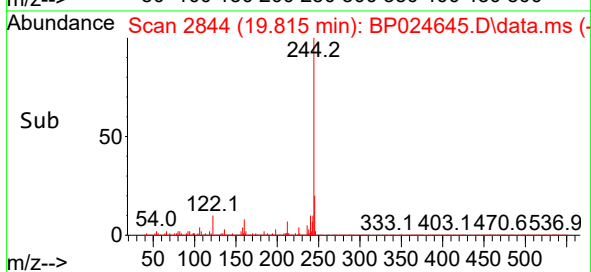
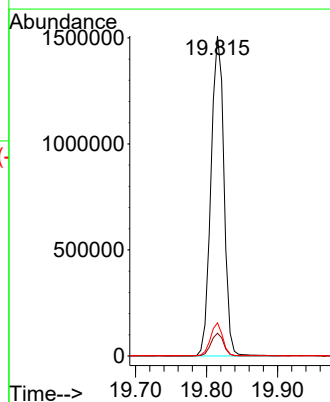
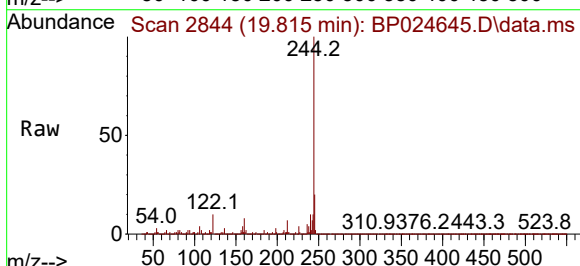
Tgt Ion:244 Resp: 1916783

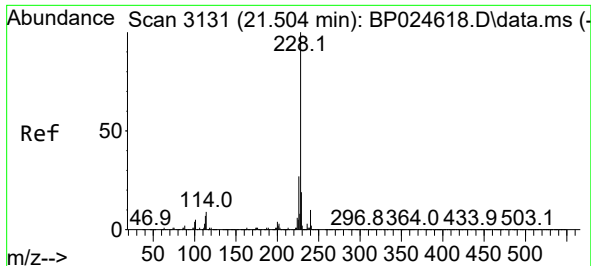
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 10.4 7.4 11.0

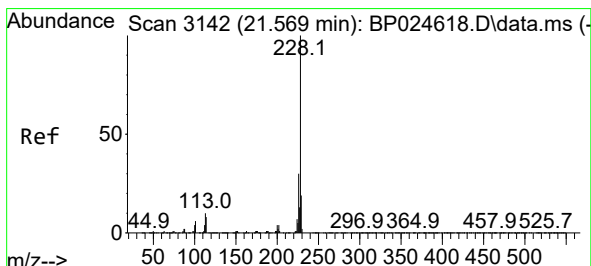
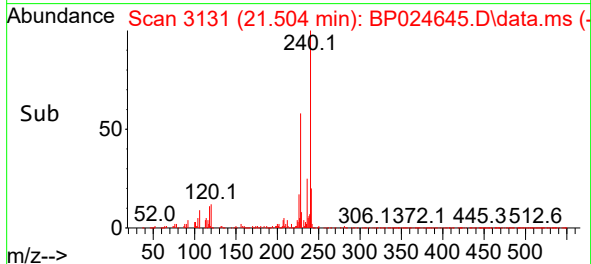
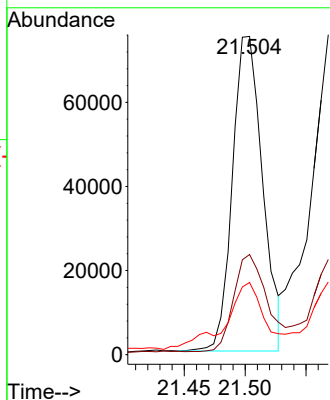
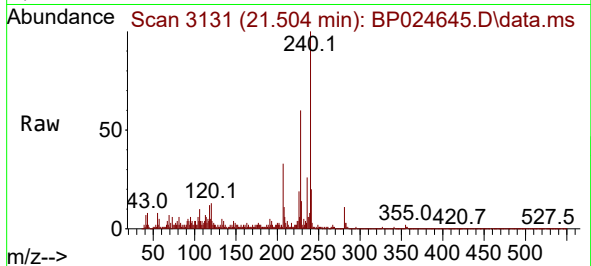




#81
Benzo(a)anthracene
Concen: 2.186 ng
RT: 21.504 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

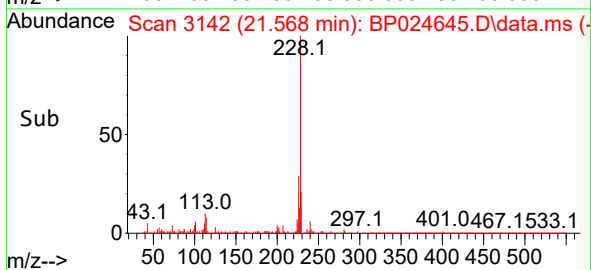
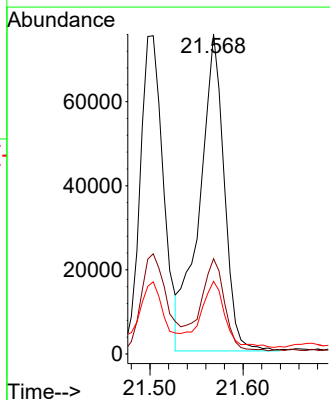
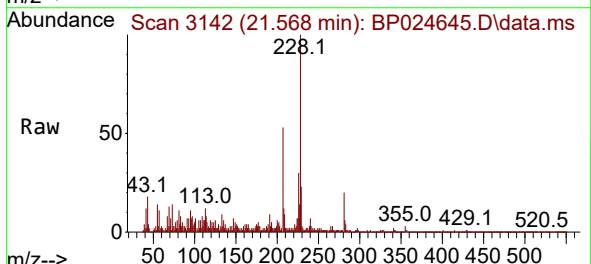
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

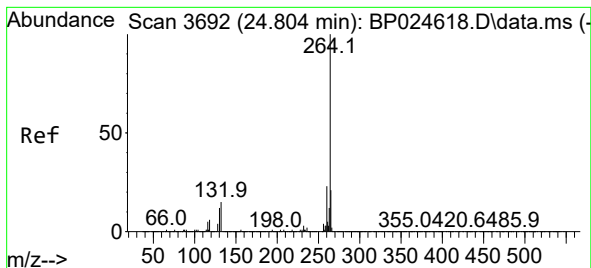
Tgt Ion:228 Resp: 129019
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.0
229 22.7 15.5 23.3



#83
Chrysene
Concen: 2.487 ng m
RT: 21.568 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:228 Resp: 139150
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.797 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

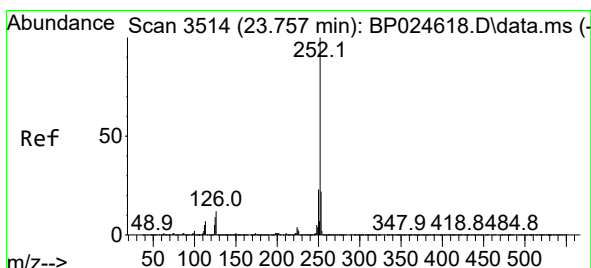
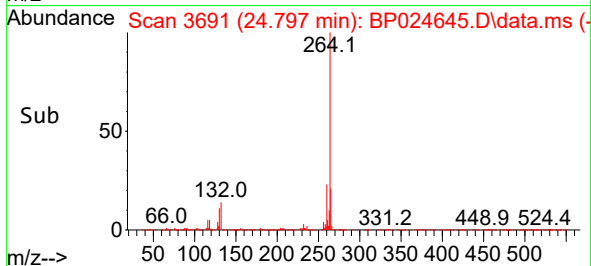
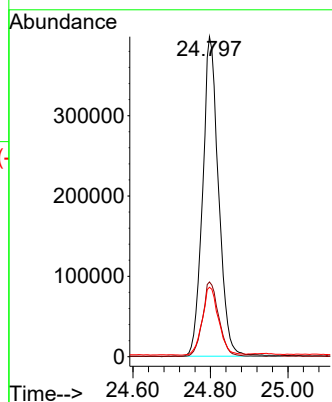
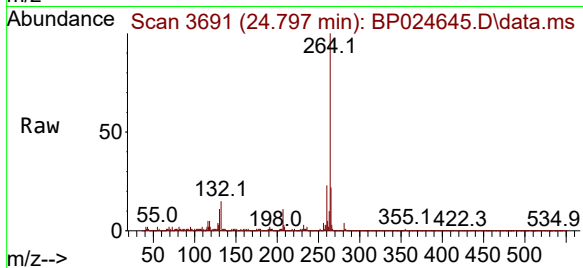
Tgt Ion:264 Resp: 1134836

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.257 ng

RT: 23.774 min Scan# 3517

Delta R.T. 0.017 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

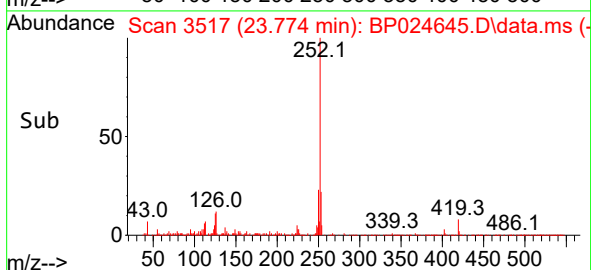
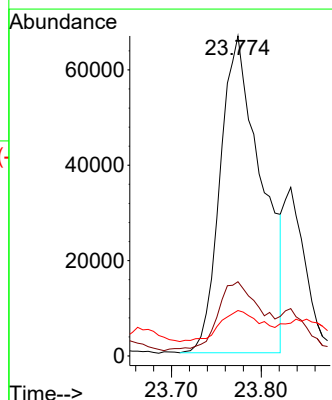
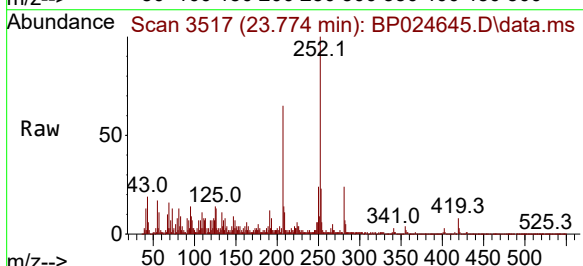
Tgt Ion:252 Resp: 211556

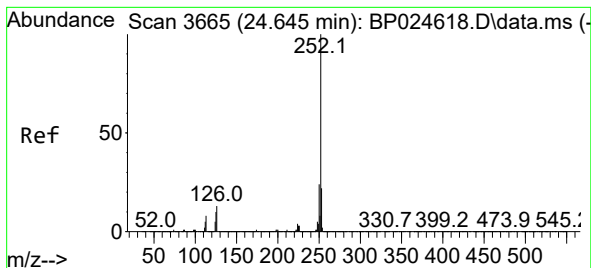
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 14.2 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 2.039 ng

RT: 24.645 min Scan# 30

Delta R.T. -0.000 min

Lab File: BP024645.D

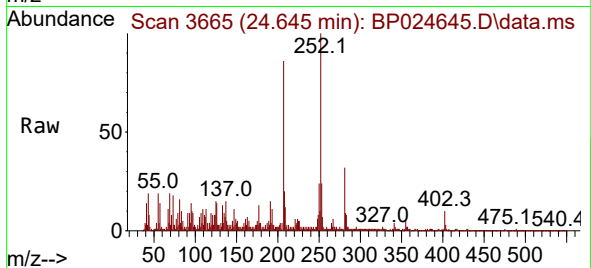
Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725



Tgt Ion:252 Resp: 127234

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 15.2 8.1 12.1#

