

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
 Data File : BP024220.D
 Acq On : 08 Apr 2025 19:50
 Operator : RC/JU
 Sample : Q1730-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-22-040325

Quant Time: Apr 09 01:02:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 05:55:58 2025
 Response via : Initial Calibration

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

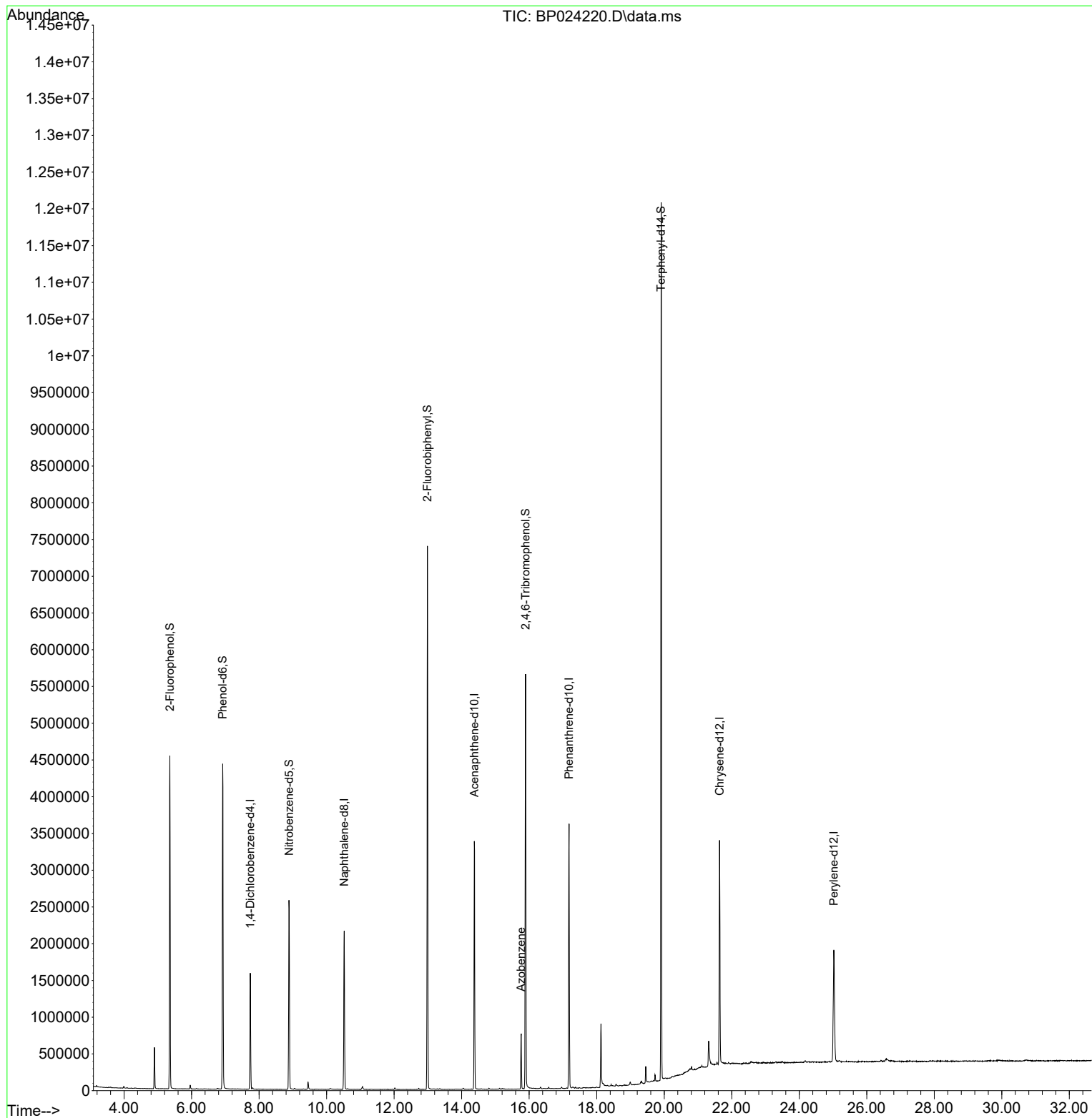
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	425623	20.000	ng	-0.03
21) Naphthalene-d8	10.522	136	1737721	20.000	ng	-0.03
39) Acenaphthene-d10	14.375	164	1085102	20.000	ng	-0.03
64) Phenanthrene-d10	17.180	188	2131222	20.000	ng	-0.02
76) Chrysene-d12	21.639	240	1837984	20.000	ng	-0.02
86) Perylene-d12	25.027	264	1509058	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2038170	76.441	ng	-0.02
7) Phenol-d6	6.922	99	2736079	76.736	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1544883	50.160	ng	-0.04
42) 2,4,6-Tribromophenol	15.892	330	1167430	85.412	ng	-0.02
45) 2-Fluorobiphenyl	12.986	172	3576688	48.603	ng	-0.03
79) Terphenyl-d14	19.910	244	5866503	65.886	ng	-0.01
Target Compounds						
63) Azobenzene	15.757	77	210090	2.948	ng	Qvalue # 1

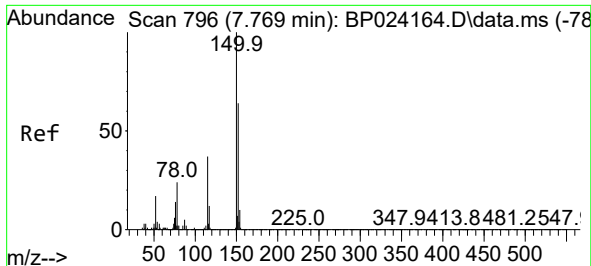
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024220.D
Acq On : 08 Apr 2025 19:50
Operator : RC/JU
Sample : Q1730-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-22-040325

Quant Time: Apr 09 01:02:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

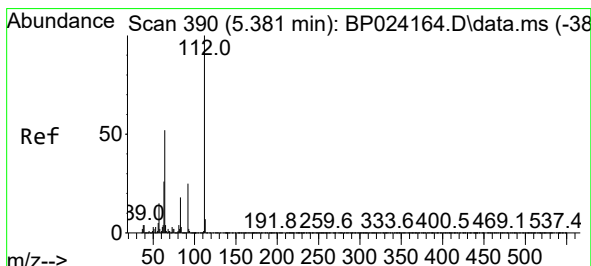
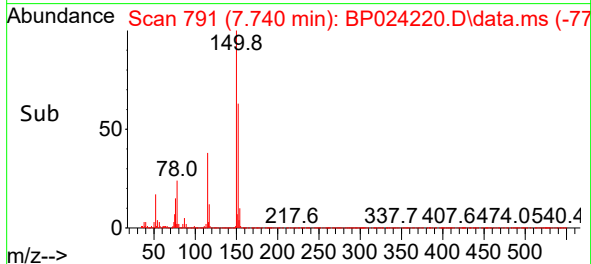
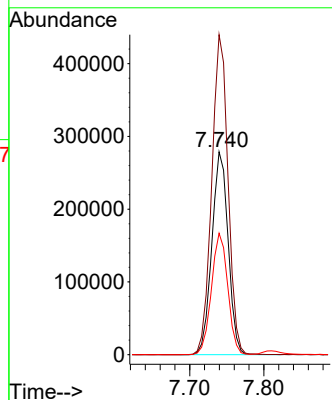
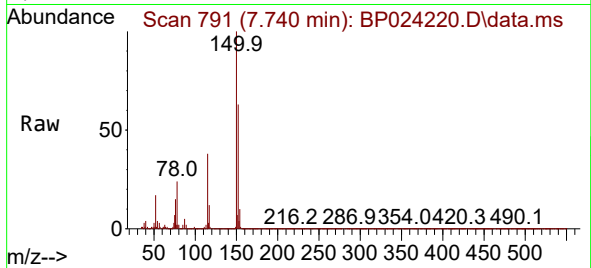




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

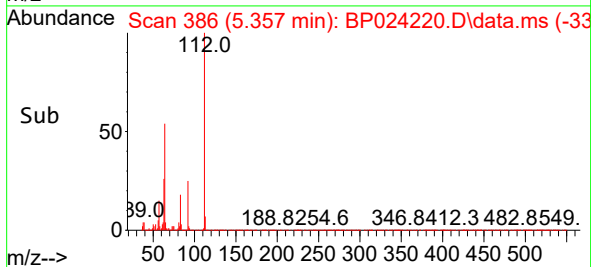
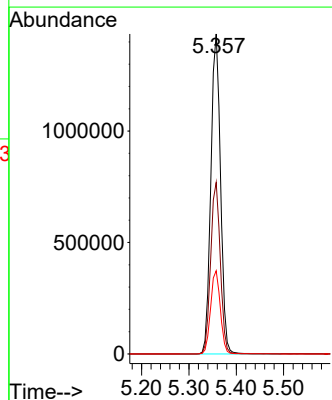
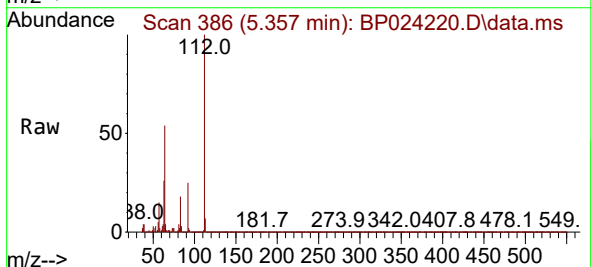
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-22-040325

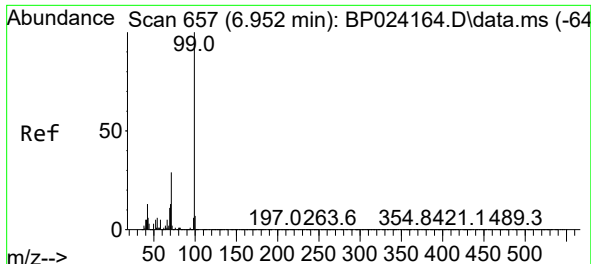
Tgt Ion:152 Resp: 425623
Ion Ratio Lower Upper
152 100
150 157.7 125.5 188.3
115 59.9 46.3 69.5



#5
2-Fluorophenol
Concen: 76.441 ng
RT: 5.357 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:112 Resp: 2038170
Ion Ratio Lower Upper
112 100
64 53.6 41.3 61.9
63 26.0 20.6 31.0

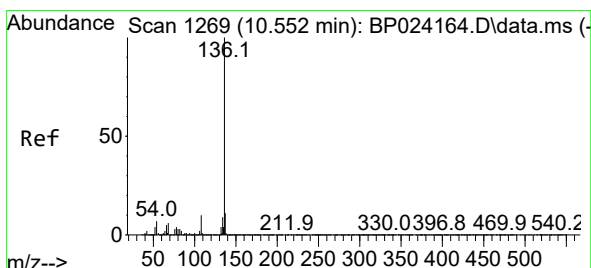
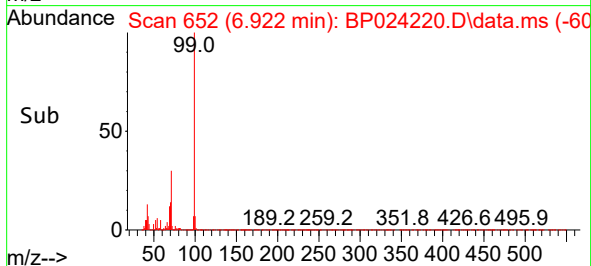
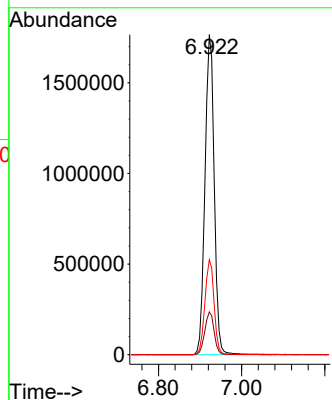
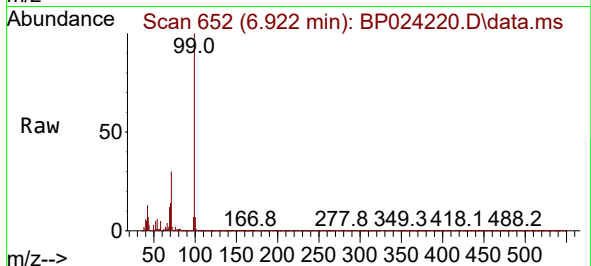




#7
Phenol-d6
Concen: 76.736 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

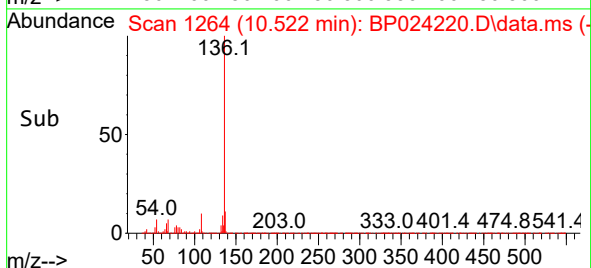
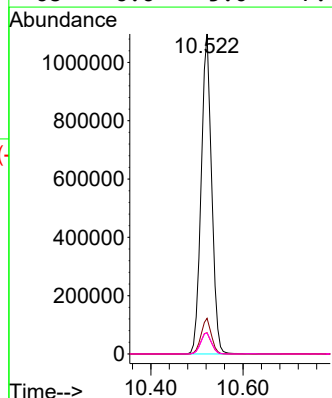
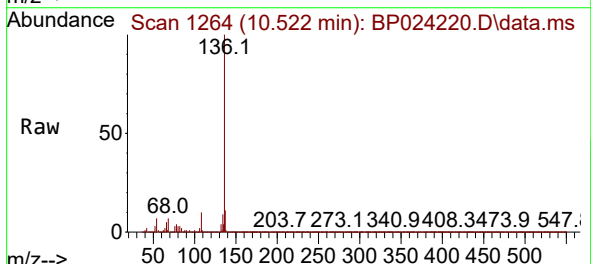
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-22-040325

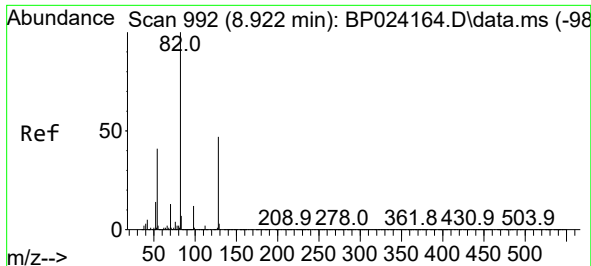
Tgt Ion: 99 Resp: 2736079
Ion Ratio Lower Upper
99 100
42 13.4 10.6 16.0
71 29.7 23.3 34.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:136 Resp: 1737721
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.7 5.3 7.9
68 6.6 5.0 7.4

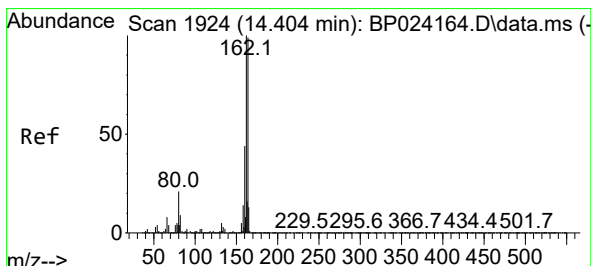
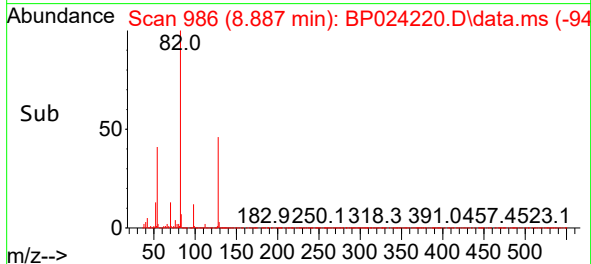
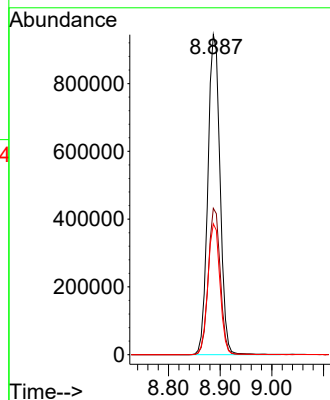
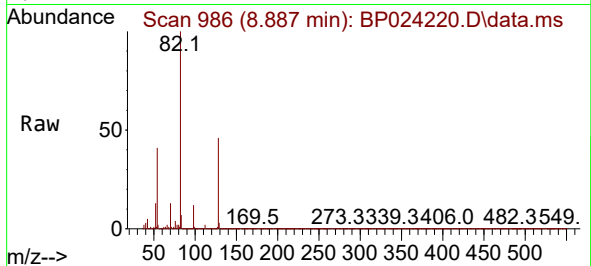




#23
 Nitrobenzene-d5
 Concen: 50.160 ng
 RT: 8.887 min Scan# 91
 Delta R.T. -0.036 min
 Lab File: BP024220.D
 Acq: 08 Apr 2025 19:50

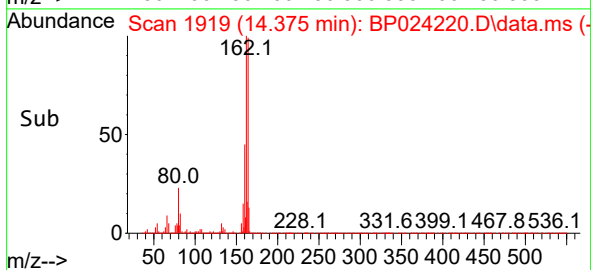
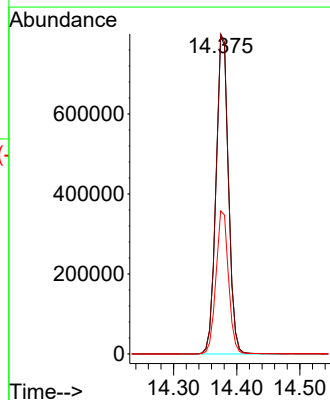
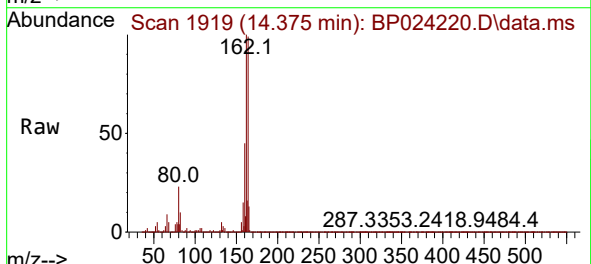
Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-22-040325

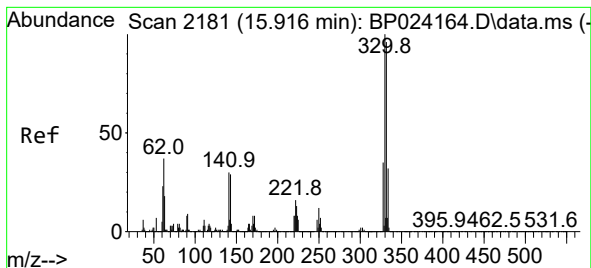
Tgt Ion: 82 Resp: 1544883
 Ion Ratio Lower Upper
 82 100
 128 45.8 37.4 56.0
 54 40.9 32.5 48.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.375 min Scan# 1919
 Delta R.T. -0.030 min
 Lab File: BP024220.D
 Acq: 08 Apr 2025 19:50

Tgt Ion: 164 Resp: 1085102
 Ion Ratio Lower Upper
 164 100
 162 100.6 80.6 121.0
 160 45.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 85.412 ng

RT: 15.892 min Scan# 2181

Delta R.T. -0.024 min

Lab File: BP024220.D

Acq: 08 Apr 2025 19:50

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-22-040325

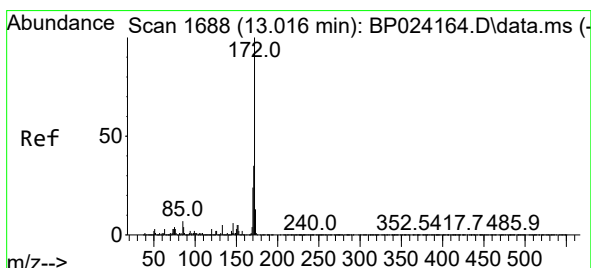
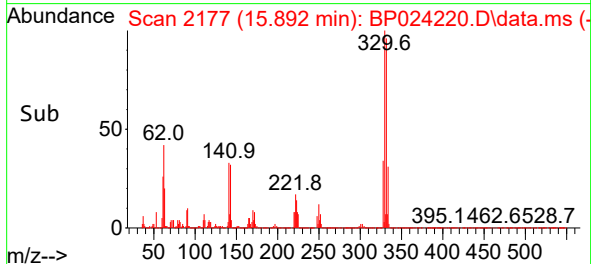
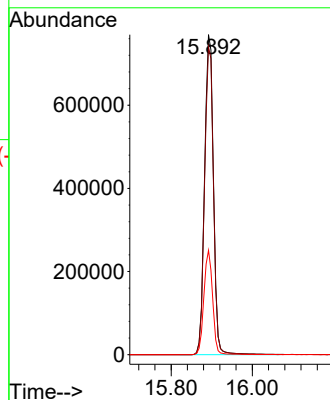
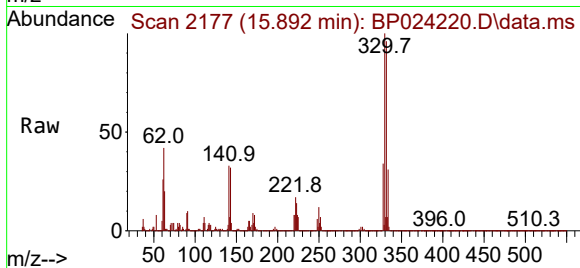
Tgt Ion:330 Resp: 1167430

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 32.1 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 48.603 ng

RT: 12.986 min Scan# 1683

Delta R.T. -0.030 min

Lab File: BP024220.D

Acq: 08 Apr 2025 19:50

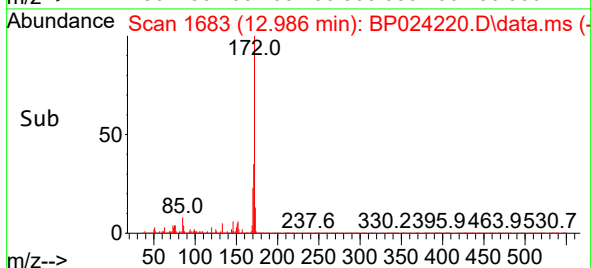
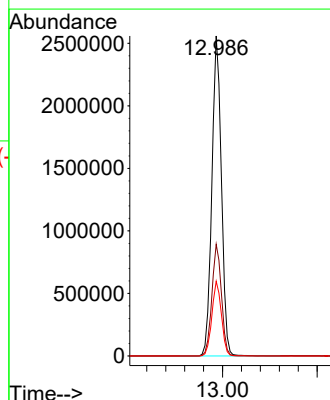
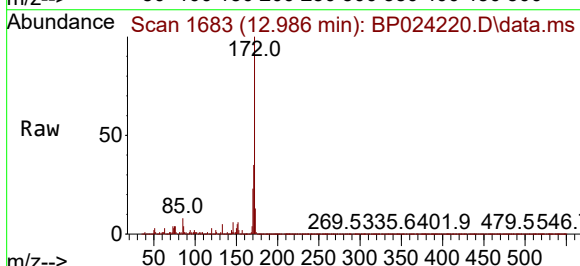
Tgt Ion:172 Resp: 3576688

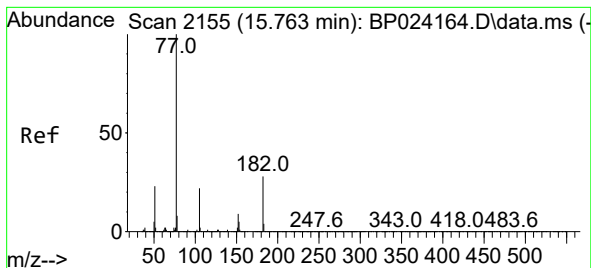
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.0 28.4





#63

Azobenzene

Concen: 2.948 ng

RT: 15.757 min Scan# 2155

Delta R.T. -0.006 min

Lab File: BP024220.D

Acq: 08 Apr 2025 19:50

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-22-040325

Tgt Ion: 77 Resp: 210090

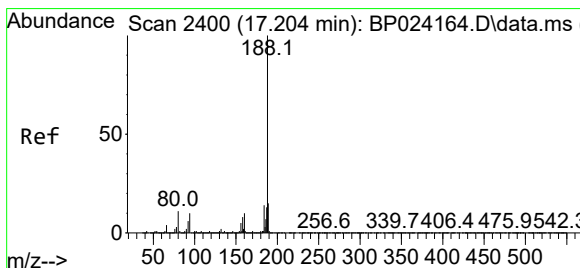
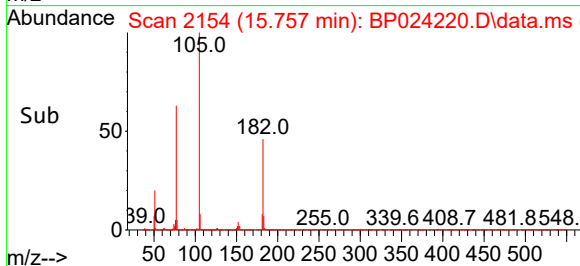
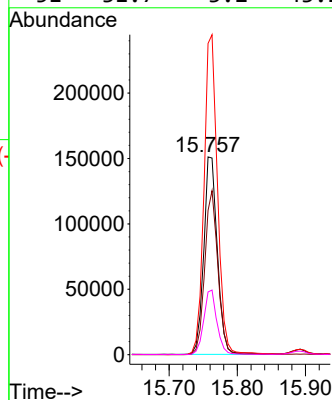
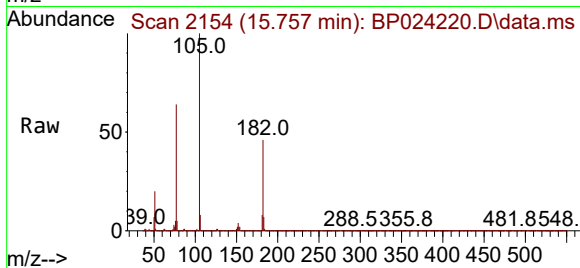
Ion Ratio Lower Upper

77 100

182 72.9 7.7 47.7#

105 157.3 2.3 42.3#

51 31.7 3.2 43.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.180 min Scan# 2396

Delta R.T. -0.024 min

Lab File: BP024220.D

Acq: 08 Apr 2025 19:50

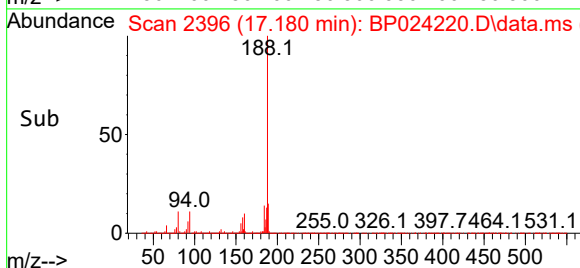
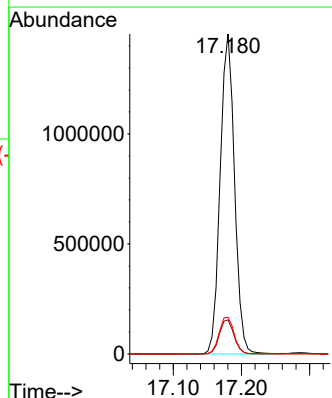
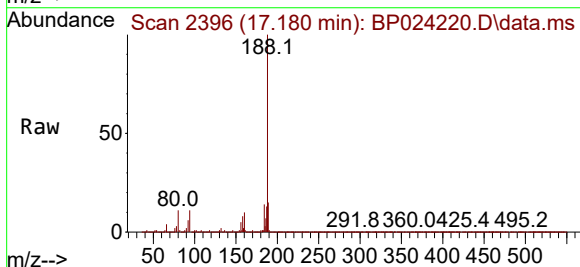
Tgt Ion: 188 Resp: 2131222

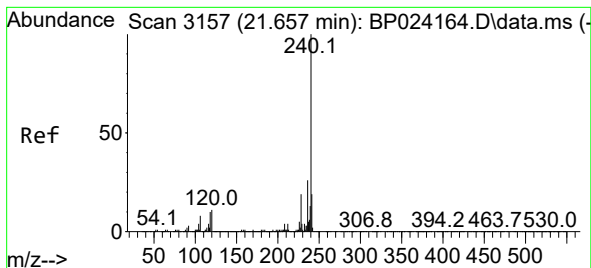
Ion Ratio Lower Upper

188 100

94 10.7 8.1 12.1

80 11.4 8.9 13.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024220.D

Acq: 08 Apr 2025 19:50

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-22-040325

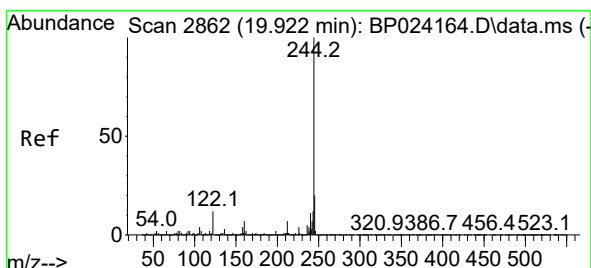
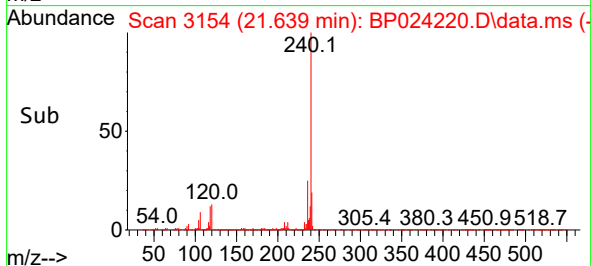
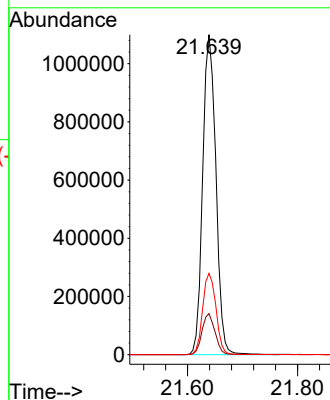
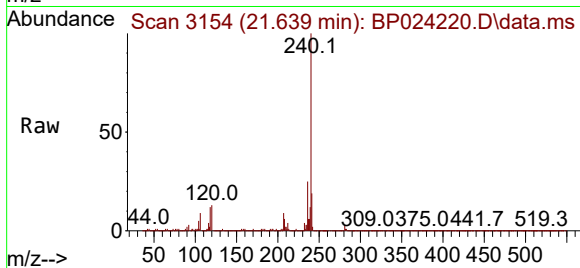
Tgt Ion:240 Resp: 1837984

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.4 20.4 30.6



#79

Terphenyl-d14

Concen: 65.886 ng

RT: 19.910 min Scan# 2860

Delta R.T. -0.012 min

Lab File: BP024220.D

Acq: 08 Apr 2025 19:50

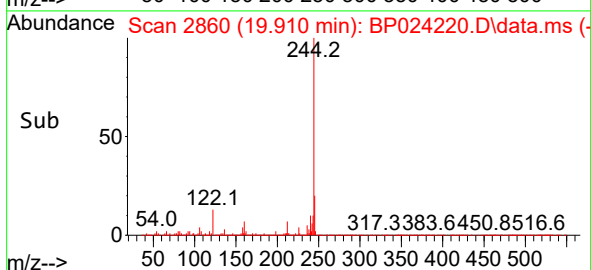
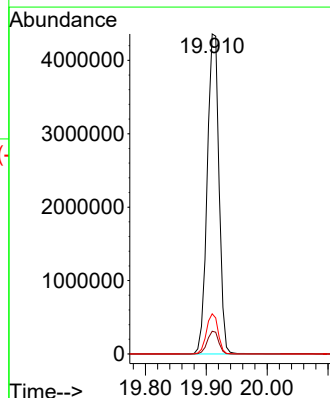
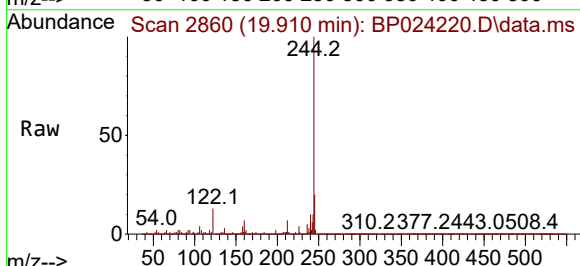
Tgt Ion:244 Resp: 5866503

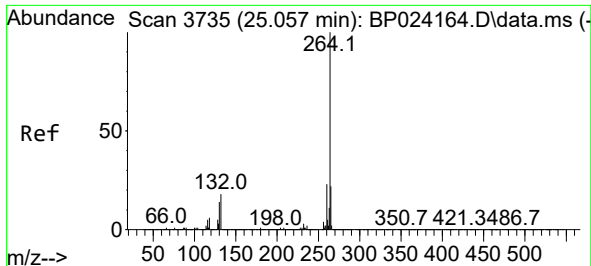
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 12.6 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.027 min Scan# 31
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-22-040325

Tgt Ion:264 Resp: 1509058

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	21.8	17.7	26.5

