

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
 Data File : BP024221.D
 Acq On : 08 Apr 2025 20:31
 Operator : RC/JU
 Sample : Q1730-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-23-040325

Quant Time: Apr 09 01:02:49 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)

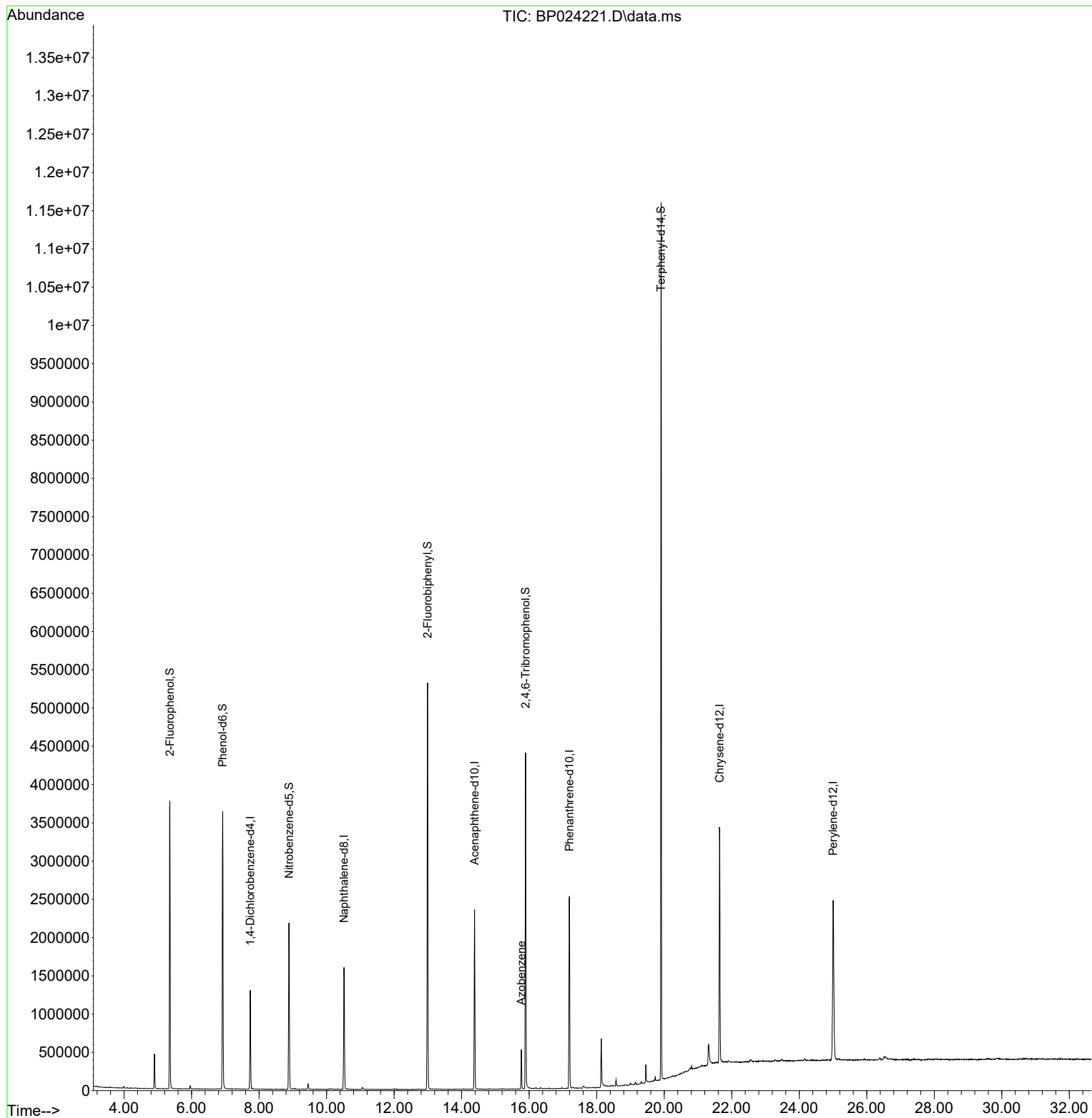
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	358338	20.000	ng	-0.03
21) Naphthalene-d8	10.516	136	1367638	20.000	ng	-0.04
39) Acenaphthene-d10	14.381	164	804787	20.000	ng	-0.02
64) Phenanthrene-d10	17.192	188	1593318	20.000	ng	-0.01
76) Chrysene-d12	21.639	240	1784235	20.000	ng	-0.02
86) Perylene-d12	25.004	264	1907981	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1717372	76.504	ng	-0.02
7) Phenol-d6	6.922	99	2220216	73.960	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1250487	51.588	ng	-0.04
42) 2,4,6-Tribromophenol	15.892	330	831215	81.996	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	2755658	50.489	ng	-0.02
79) Terphenyl-d14	19.910	244	4881858	56.479	ng	-0.01
Target Compounds						Qvalue
63) Azobenzene	15.769	77	143616	2.717	ng	# 1

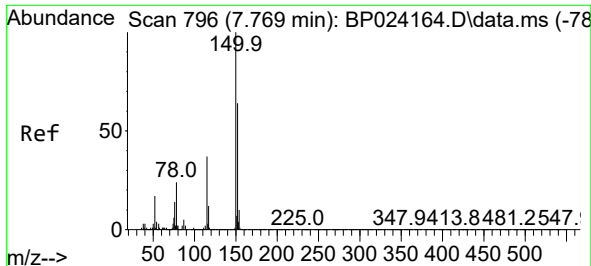
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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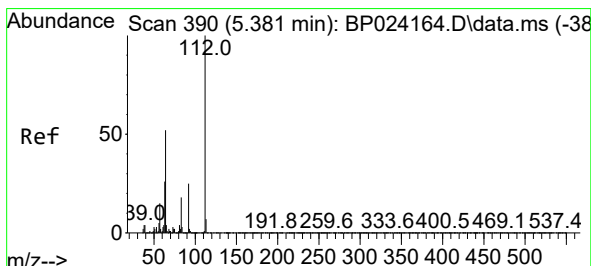
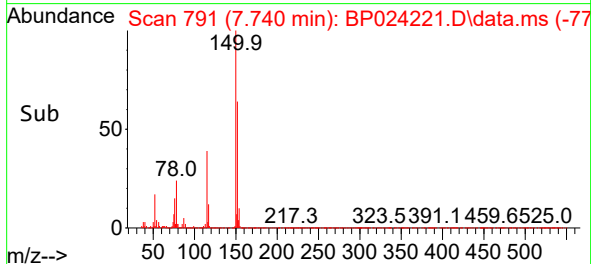
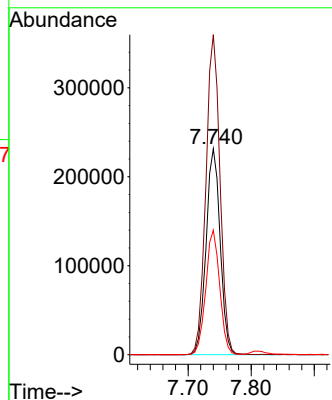
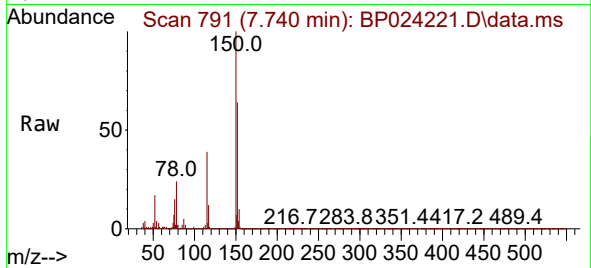




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

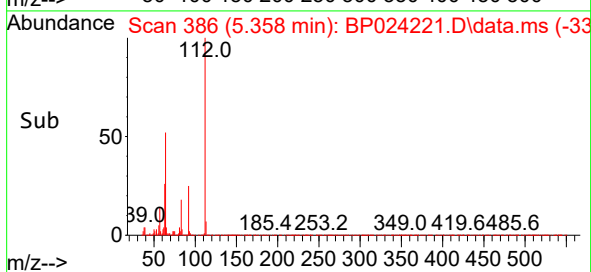
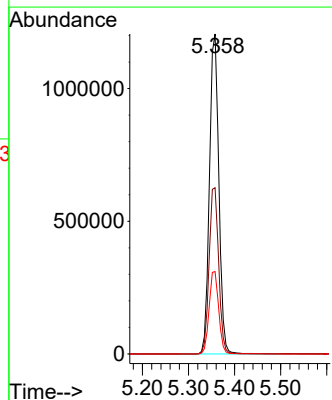
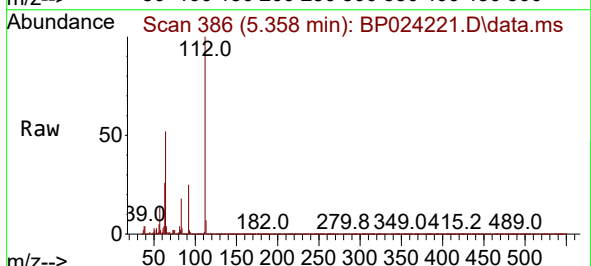
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-23-040325

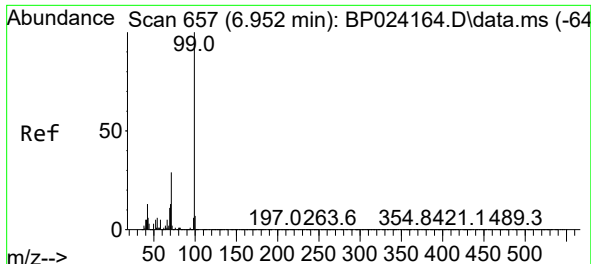
Tgt Ion:152 Resp: 358338
Ion Ratio Lower Upper
152 100
150 155.4 125.5 188.3
115 60.5 46.3 69.5



#5
2-Fluorophenol
Concen: 76.504 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:112 Resp: 1717372
Ion Ratio Lower Upper
112 100
64 51.9 41.3 61.9
63 25.8 20.6 31.0

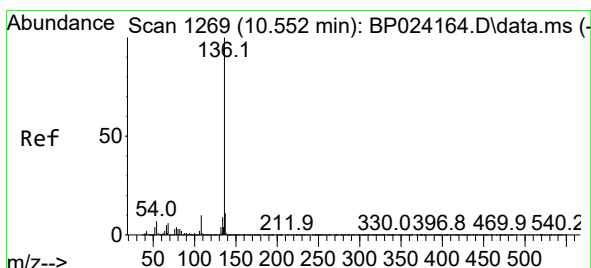
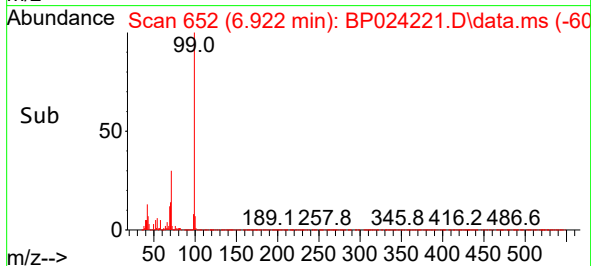
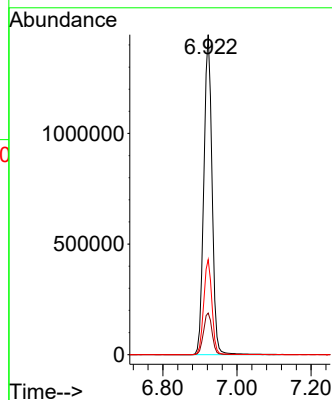
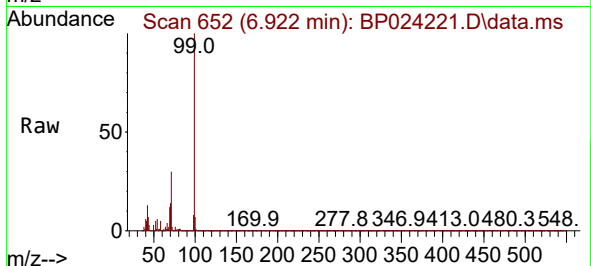




#7
Phenol-d6
Concen: 73.960 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.029 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

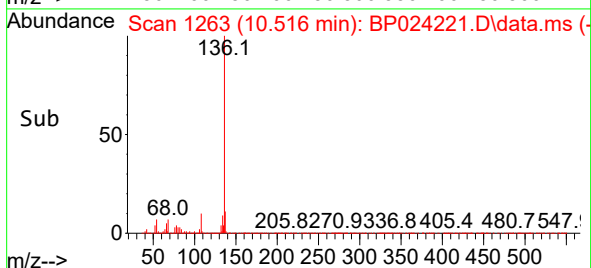
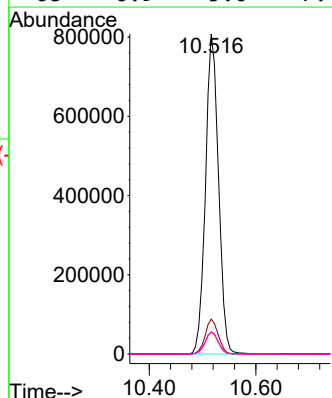
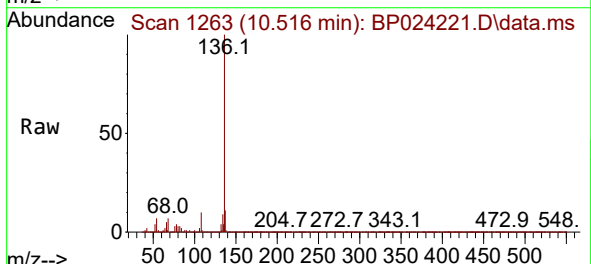
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-23-040325

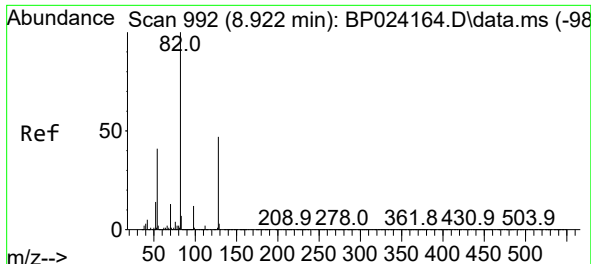
Tgt Ion: 99 Resp: 2220216
Ion Ratio Lower Upper
99 100
42 13.0 10.6 16.0
71 29.7 23.3 34.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:136 Resp: 1367638
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.8 5.3 7.9
68 6.9 5.0 7.4

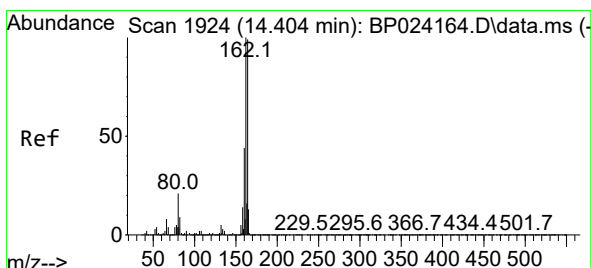
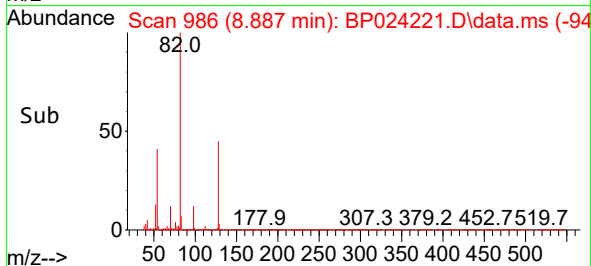
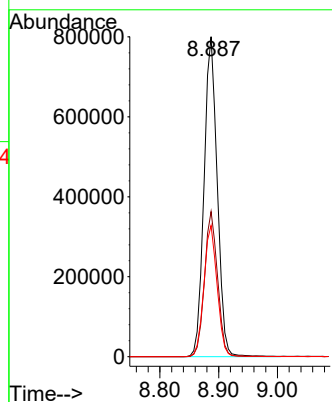
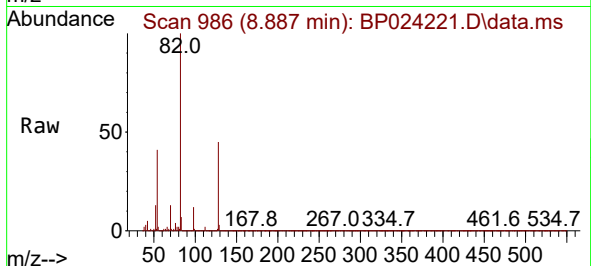




#23
Nitrobenzene-d5
Concen: 51.588 ng
RT: 8.887 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

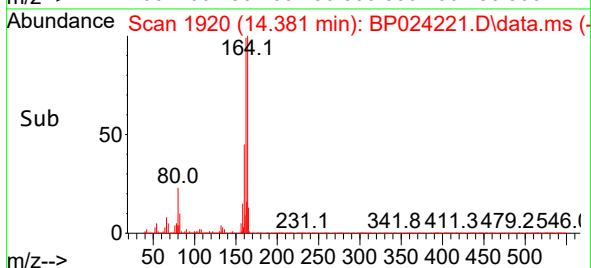
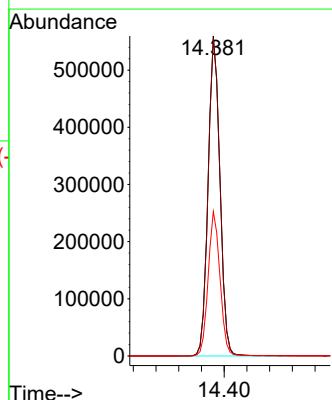
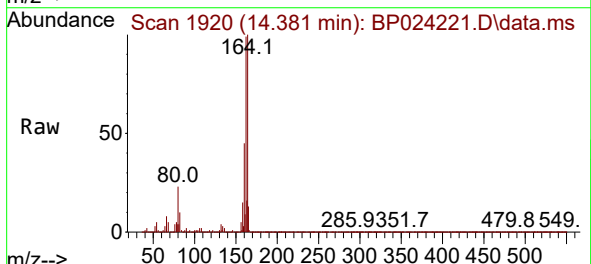
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-23-040325

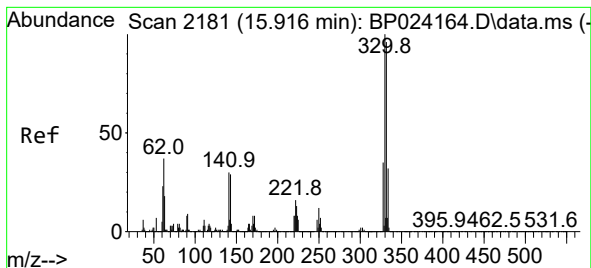
Tgt Ion: 82 Resp: 1250487
Ion Ratio Lower Upper
82 100
128 45.4 37.4 56.0
54 41.0 32.5 48.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion: 164 Resp: 804787
Ion Ratio Lower Upper
164 100
162 99.2 80.6 121.0
160 45.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 81.996 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP024221.D

Acq: 08 Apr 2025 20:31

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-23-040325

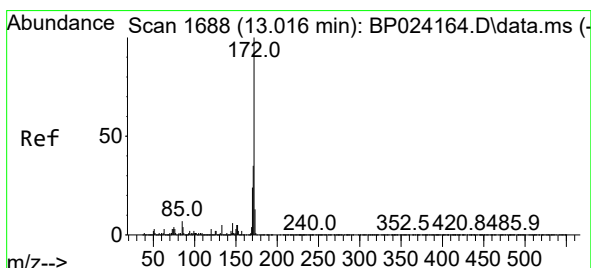
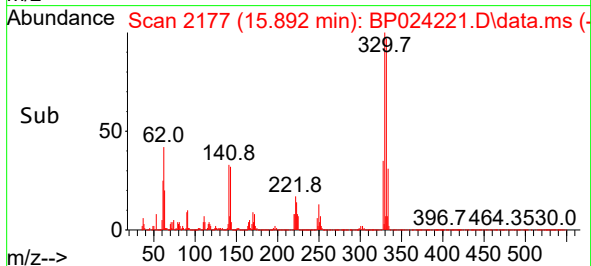
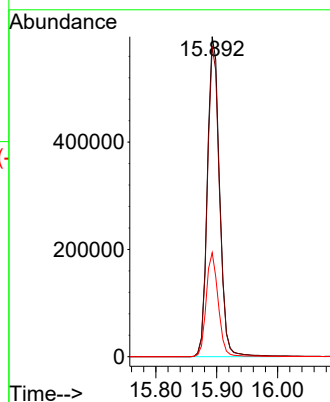
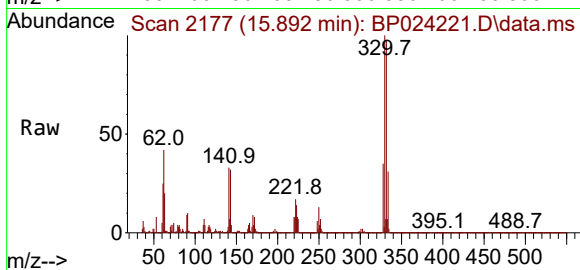
Tgt Ion:330 Resp: 831215

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 32.2 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 50.489 ng

RT: 12.993 min Scan# 1684

Delta R.T. -0.024 min

Lab File: BP024221.D

Acq: 08 Apr 2025 20:31

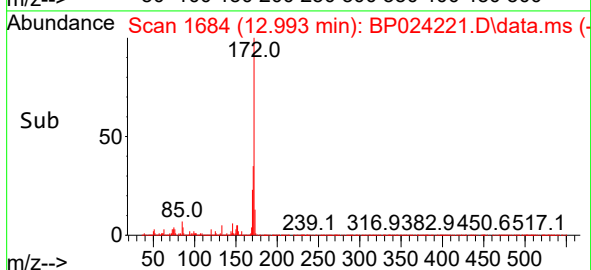
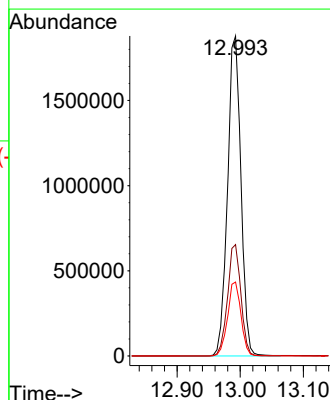
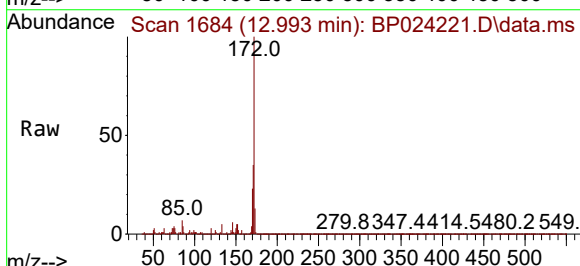
Tgt Ion:172 Resp: 2755658

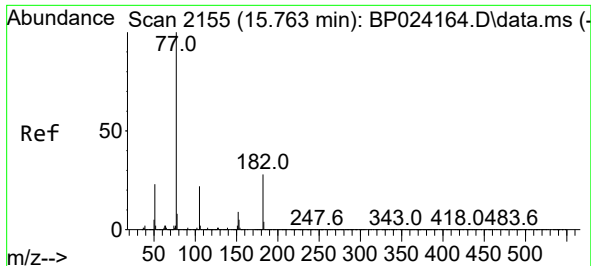
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.1 19.0 28.4

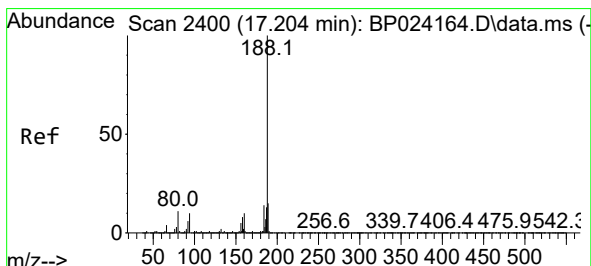
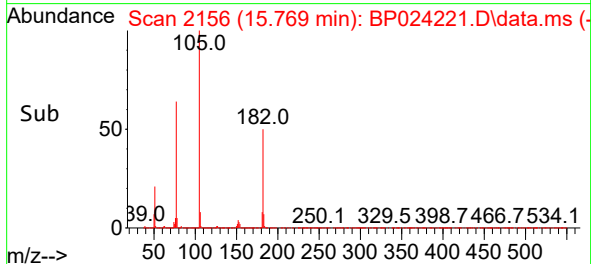
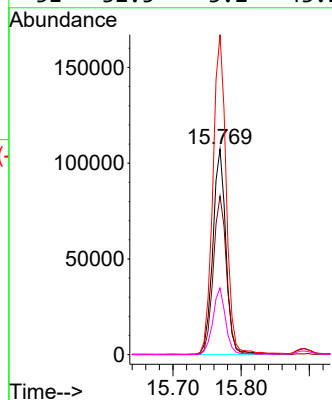
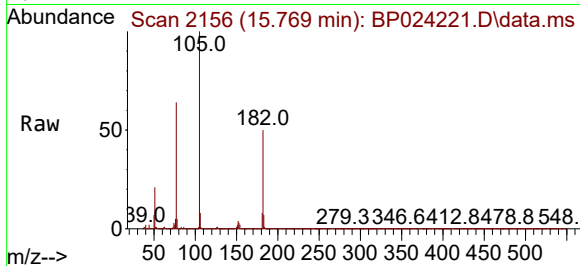




#63
Azobenzene
Concen: 2.717 ng
RT: 15.769 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

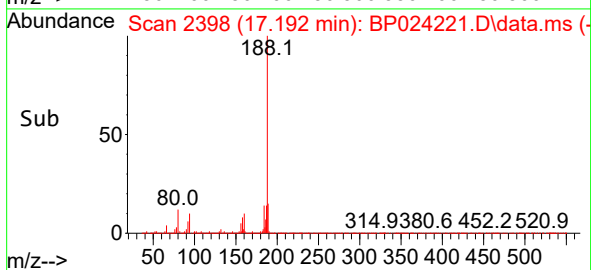
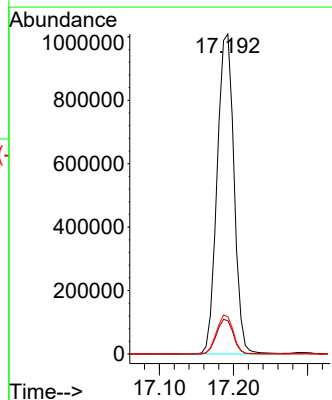
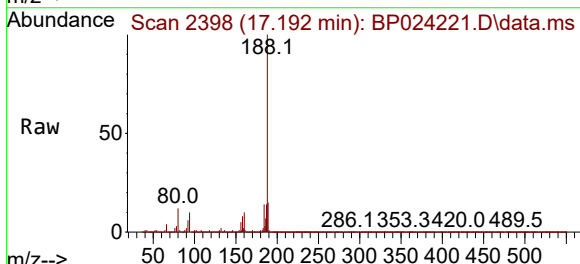
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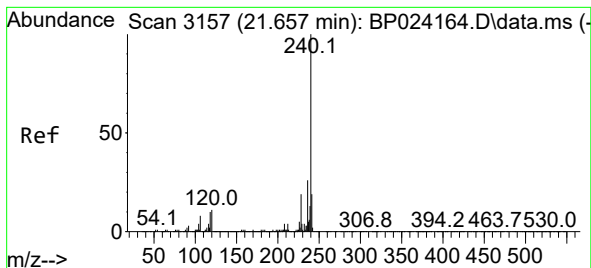
Tgt Ion: 77 Resp: 143616
Ion Ratio Lower Upper
77 100
182 77.1 7.7 47.7#
105 155.7 2.3 42.3#
51 32.5 3.2 43.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion: 188 Resp: 1593318
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 11.6 8.9 13.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 3154

Delta R.T. -0.018 min

Lab File: BP024221.D

Acq: 08 Apr 2025 20:31

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-23-040325

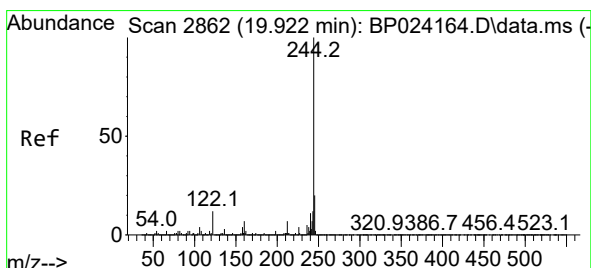
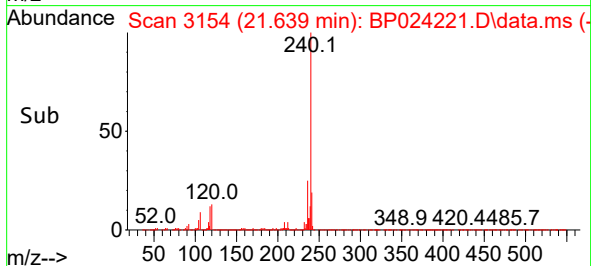
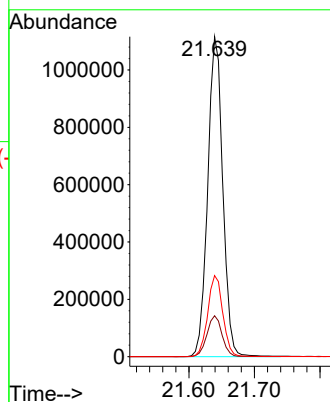
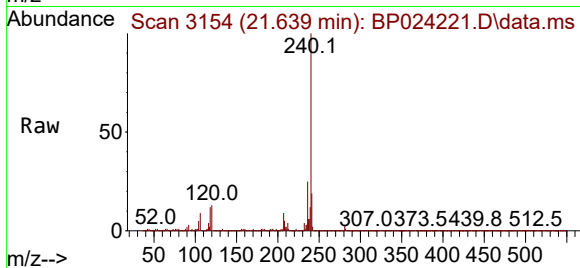
Tgt Ion:240 Resp: 1784235

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.3 20.4 30.6



#79

Terphenyl-d14

Concen: 56.479 ng

RT: 19.910 min Scan# 2860

Delta R.T. -0.012 min

Lab File: BP024221.D

Acq: 08 Apr 2025 20:31

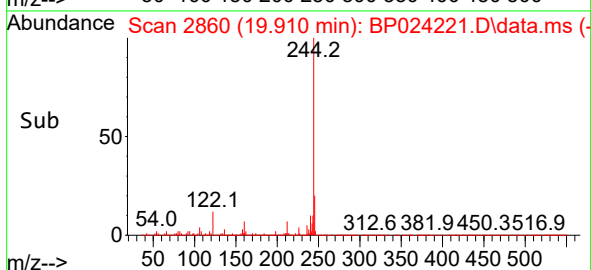
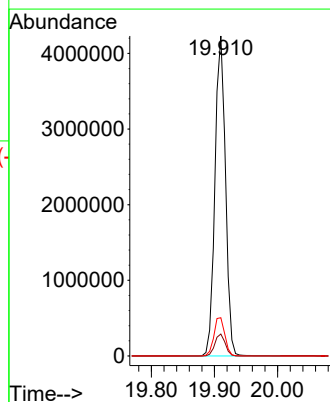
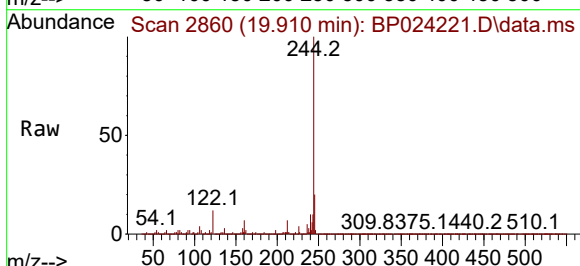
Tgt Ion:244 Resp: 4881858

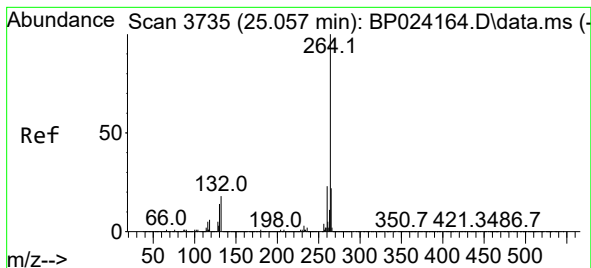
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

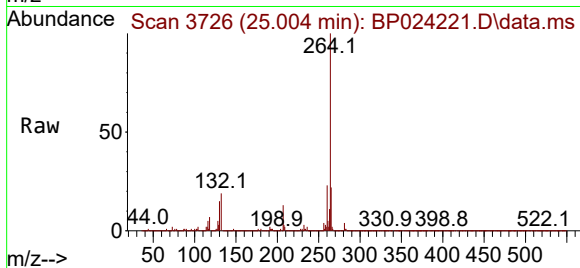
122 12.0 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-23-040325



Tgt Ion:264 Resp: 1907981
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.9 17.7 26.5

