

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
 Data File : BP024223.D
 Acq On : 08 Apr 2025 21:52
 Operator : RC/JU
 Sample : Q1730-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-25-040325

Quant Time: Apr 09 01:03:22 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)

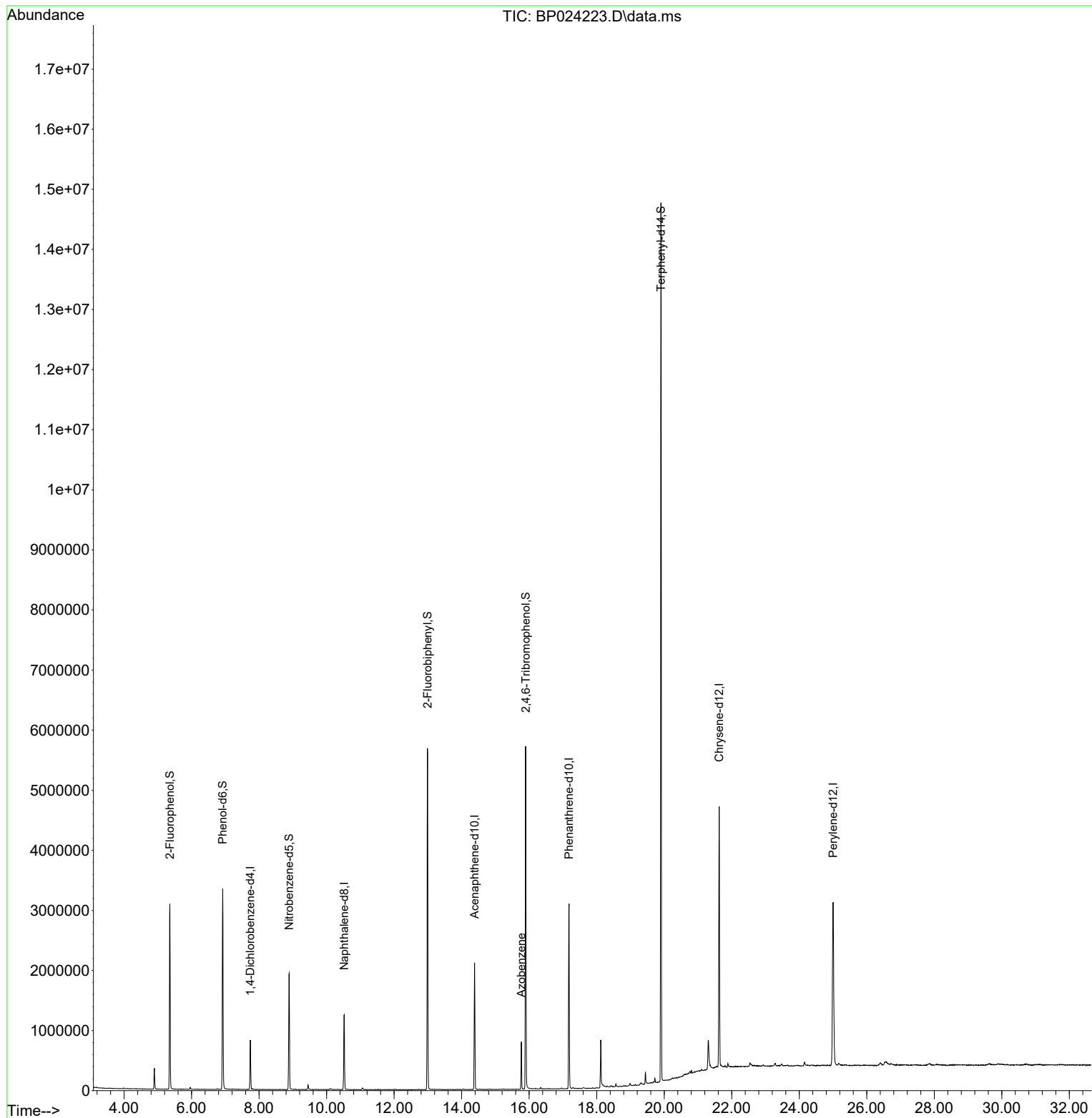
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	229471	20.000	ng	-0.03
21) Naphthalene-d8	10.522	136	1019602	20.000	ng	-0.03
39) Acenaphthene-d10	14.381	164	744658	20.000	ng	-0.02
64) Phenanthrene-d10	17.181	188	1784732	20.000	ng	-0.02
76) Chrysene-d12	21.627	240	2340680	20.000	ng	-0.03
86) Perylene-d12	25.004	264	2624543	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1447148	100.669	ng	-0.02
7) Phenol-d6	6.922	99	2043195	106.286	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1159382	64.156	ng	-0.04
42) 2,4,6-Tribromophenol	15.898	330	1097071	116.960	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	2936041	58.138	ng	-0.02
79) Terphenyl-d14	19.904	244	7113676	62.735	ng	-0.02
Target Compounds						
63) Azobenzene	15.769	77	201141	4.113	ng	Qvalue # 1

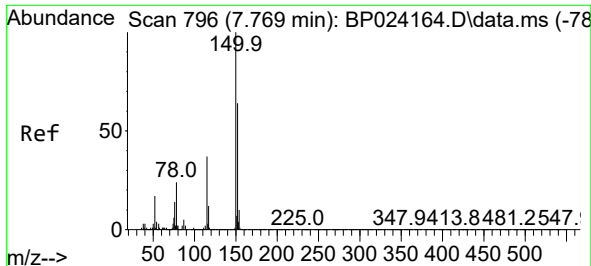
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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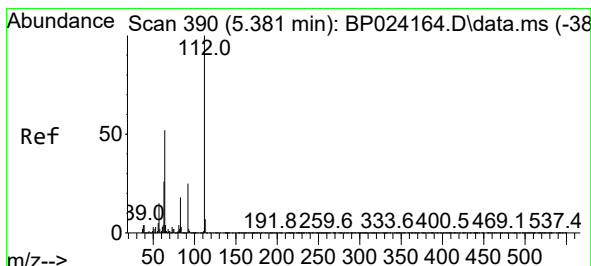
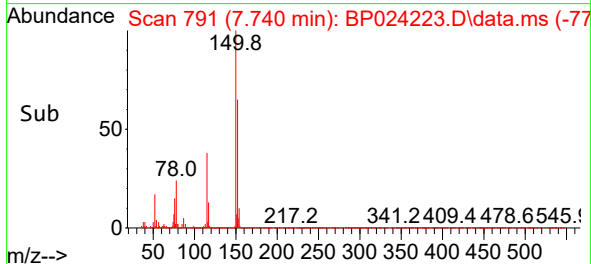
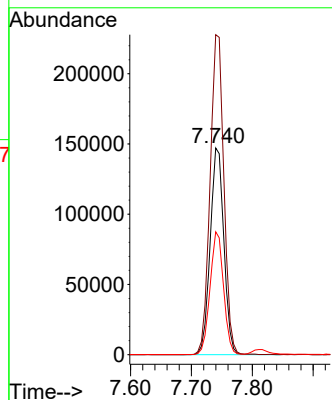
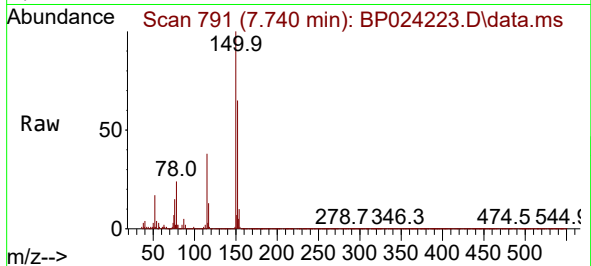




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

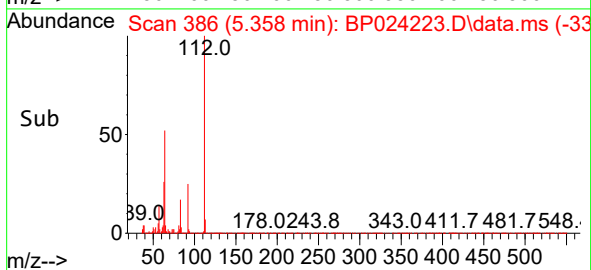
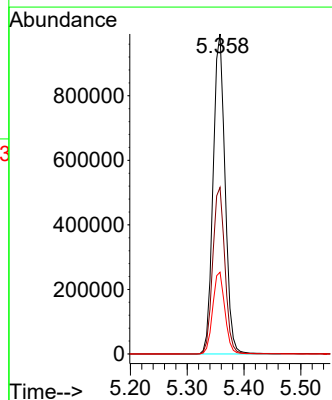
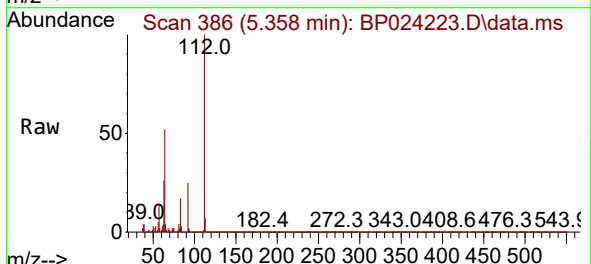
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-25-040325

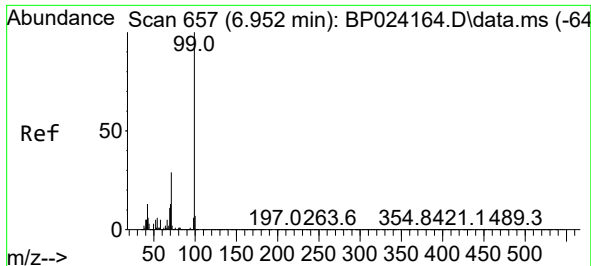
Tgt Ion:152 Resp: 229471
Ion Ratio Lower Upper
152 100
150 154.8 125.5 188.3
115 59.4 46.3 69.5



#5
2-Fluorophenol
Concen: 100.669 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:112 Resp: 1447148
Ion Ratio Lower Upper
112 100
64 52.0 41.3 61.9
63 25.5 20.6 31.0





#7

Phenol-d6

Concen: 106.286 ng

RT: 6.922 min Scan# 61

Delta R.T. -0.030 min

Lab File: BP024223.D

Acq: 08 Apr 2025 21:52

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-25-040325

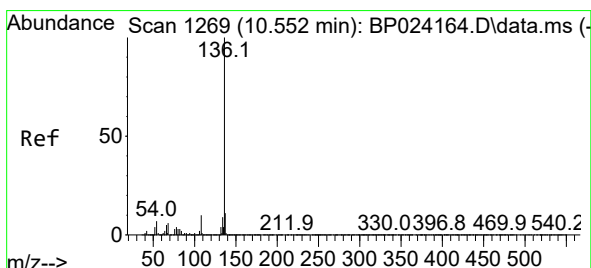
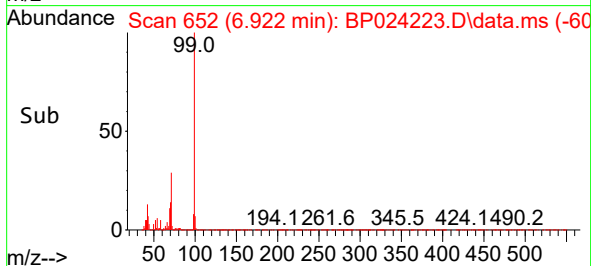
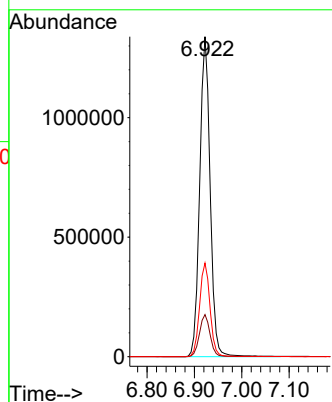
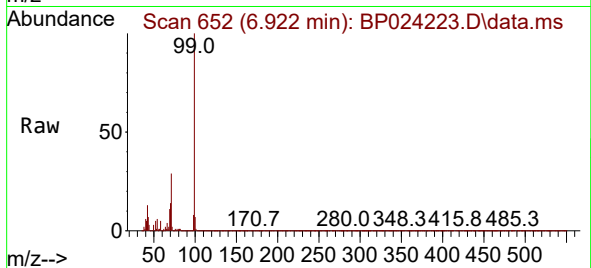
Tgt Ion: 99 Resp: 2043195

Ion Ratio Lower Upper

99 100

42 13.2 10.6 16.0

71 29.3 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: BP024223.D

Acq: 08 Apr 2025 21:52

Tgt Ion:136 Resp: 1019602

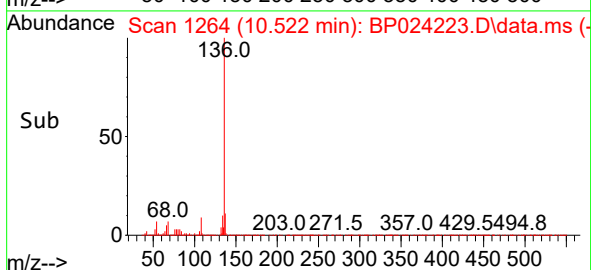
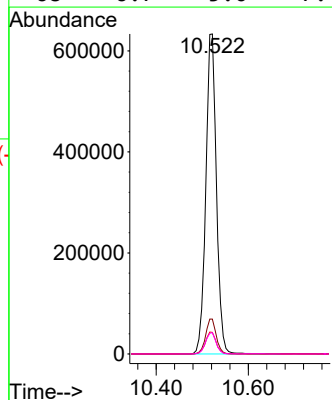
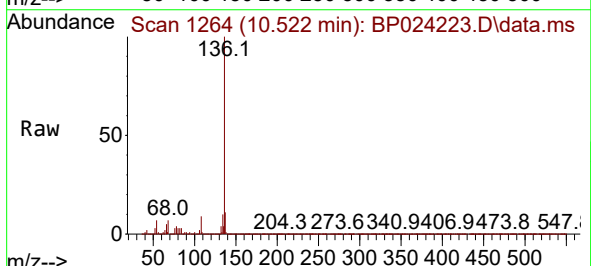
Ion Ratio Lower Upper

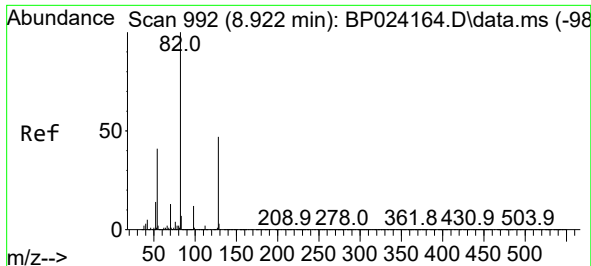
136 100

137 10.9 9.0 13.4

54 6.8 5.3 7.9

68 6.7 5.0 7.4

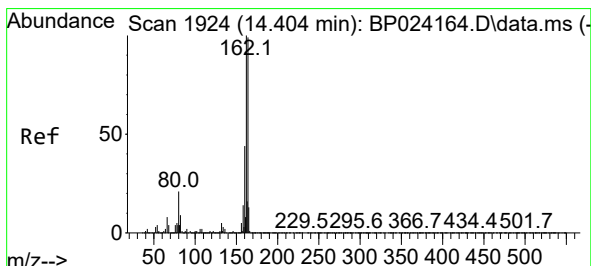
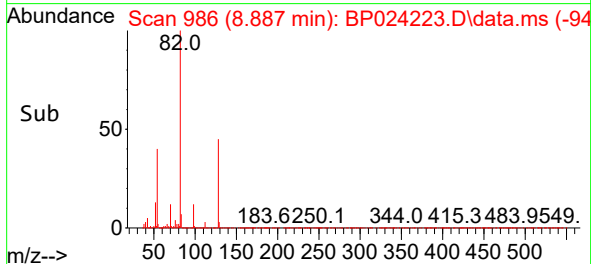
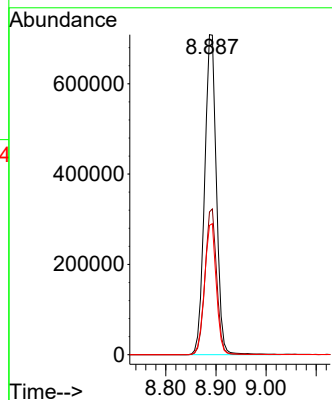
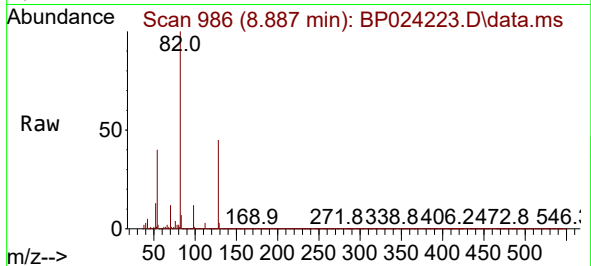




#23
Nitrobenzene-d5
Concen: 64.156 ng
RT: 8.887 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

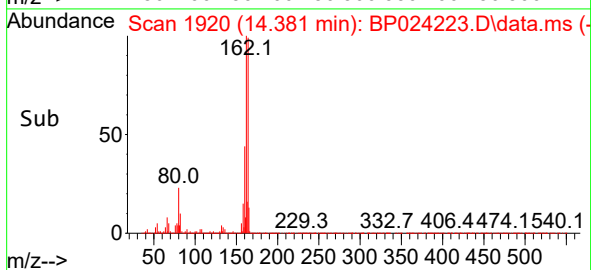
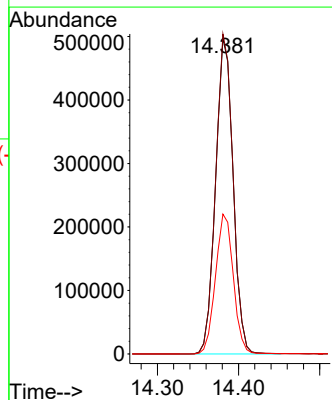
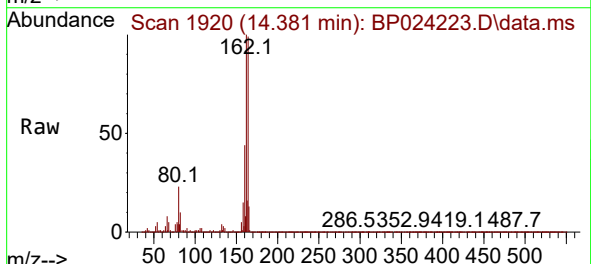
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-25-040325

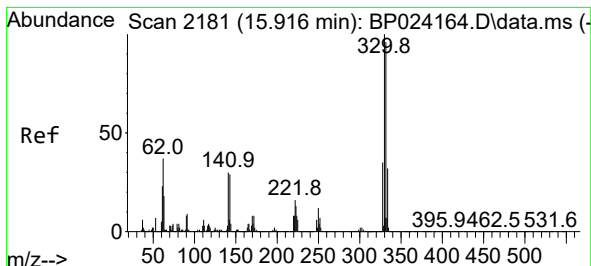
Tgt Ion: 82 Resp: 1159382
Ion Ratio Lower Upper
82 100
128 44.6 37.4 56.0
54 40.4 32.5 48.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:164 Resp: 744658
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 44.3 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 116.960 ng

RT: 15.898 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BP024223.D

Acq: 08 Apr 2025 21:52

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-25-040325

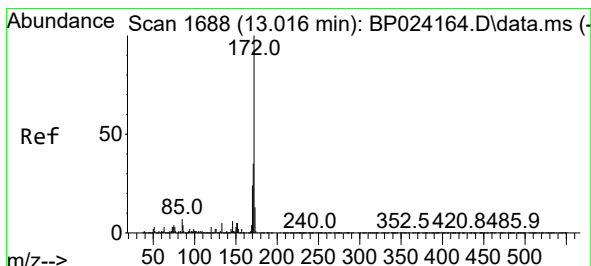
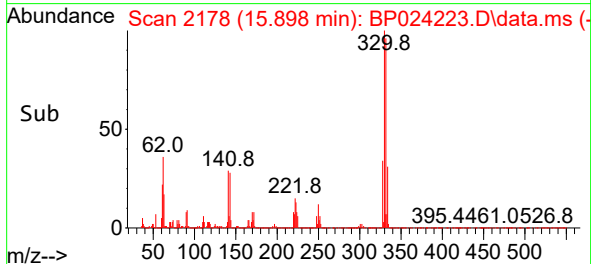
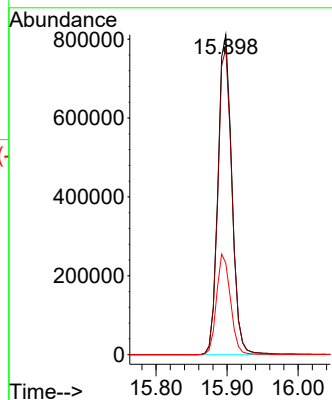
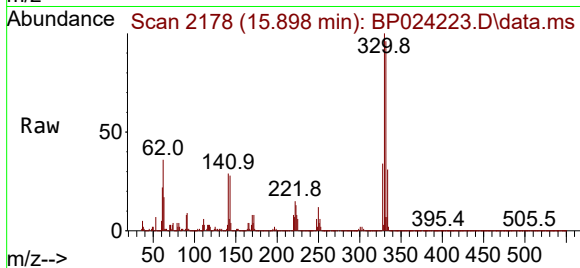
Tgt Ion:330 Resp: 1097071

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 31.7 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 58.138 ng

RT: 12.993 min Scan# 1684

Delta R.T. -0.024 min

Lab File: BP024223.D

Acq: 08 Apr 2025 21:52

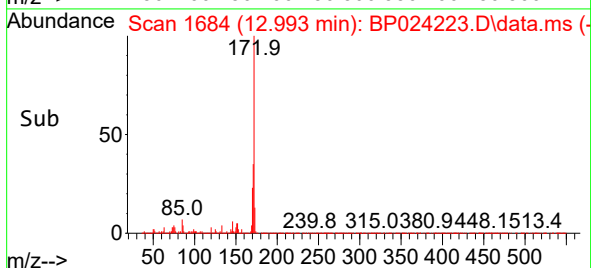
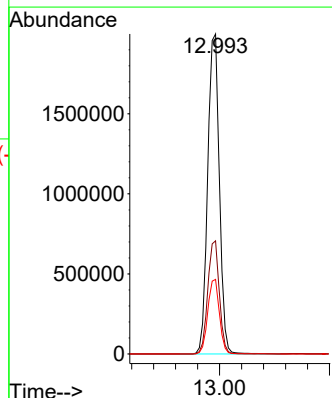
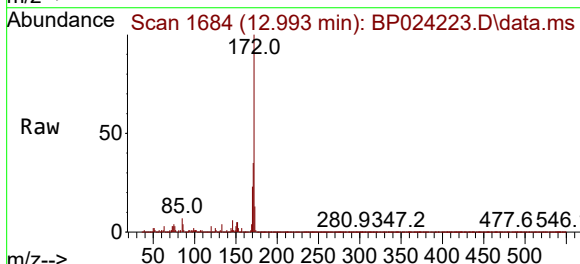
Tgt Ion:172 Resp: 2936041

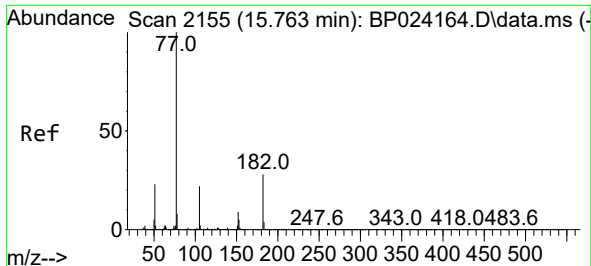
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.3 19.0 28.4

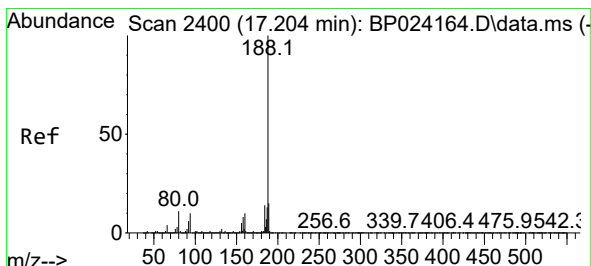
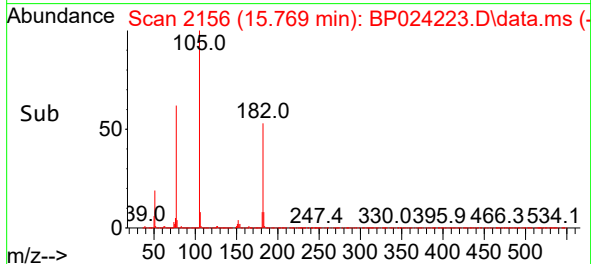
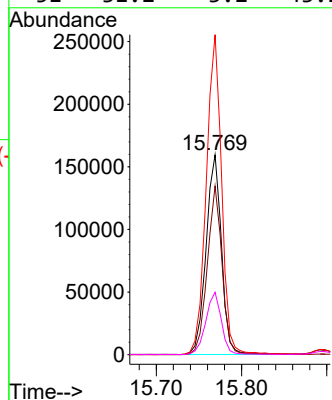
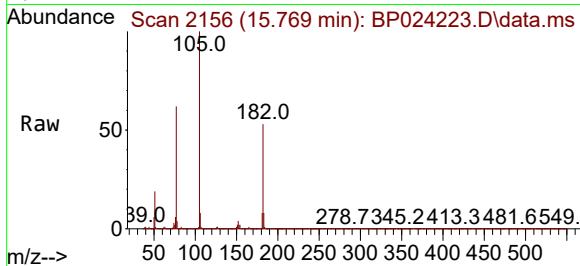




#63
Azobenzene
Concen: 4.113 ng
RT: 15.769 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

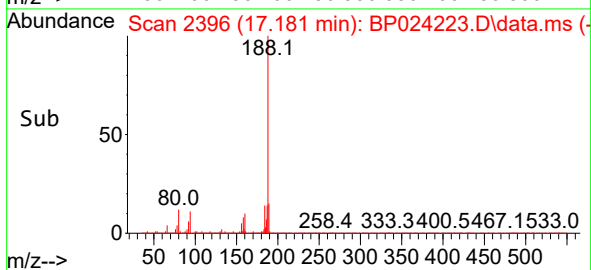
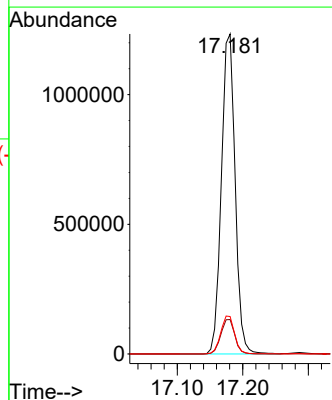
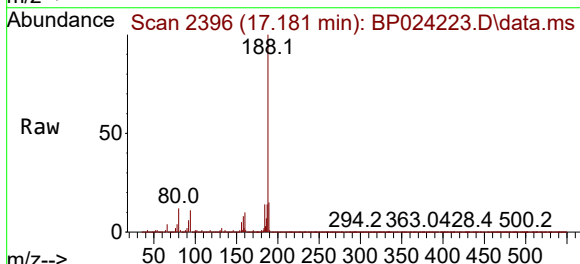
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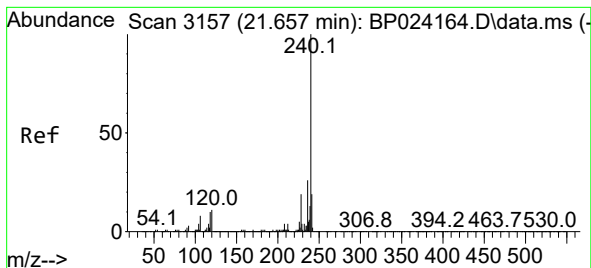
Tgt Ion: 77 Resp: 201141
Ion Ratio Lower Upper
77 100
182 84.4 7.7 47.7#
105 160.2 2.3 42.3#
51 31.2 3.2 43.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion: 188 Resp: 1784732
Ion Ratio Lower Upper
188 100
94 10.7 8.1 12.1
80 11.7 8.9 13.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.627 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP024223.D

Acq: 08 Apr 2025 21:52

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-25-040325

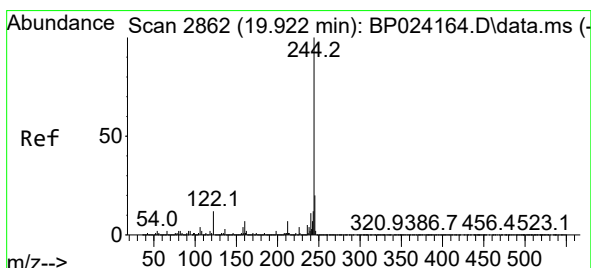
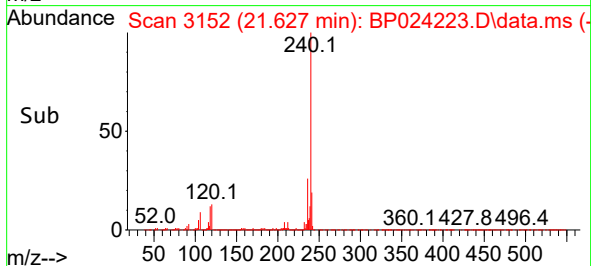
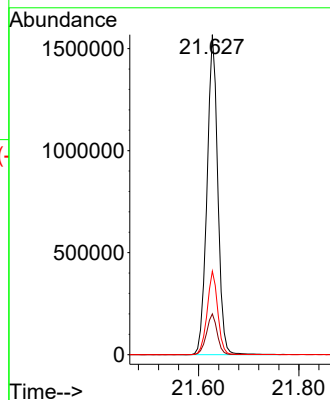
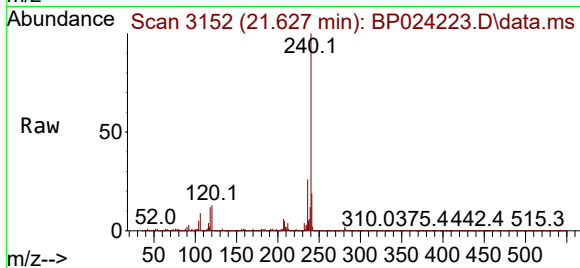
Tgt Ion:240 Resp: 2340680

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 26.1 20.4 30.6



#79

Terphenyl-d14

Concen: 62.735 ng

RT: 19.904 min Scan# 2859

Delta R.T. -0.018 min

Lab File: BP024223.D

Acq: 08 Apr 2025 21:52

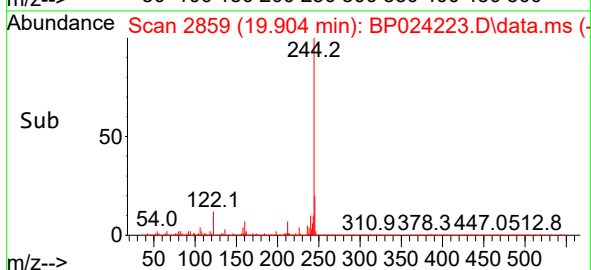
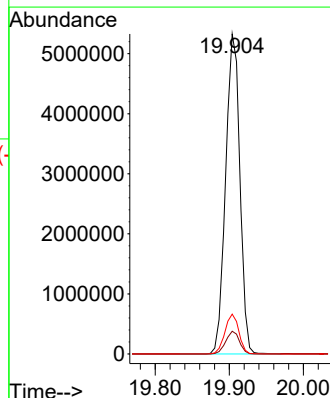
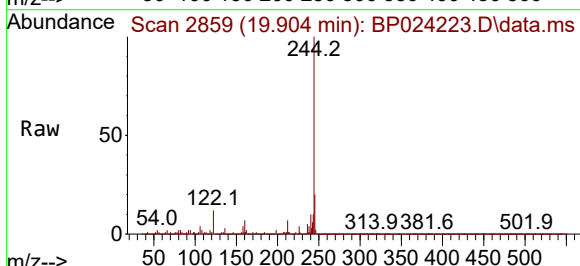
Tgt Ion:244 Resp: 7113676

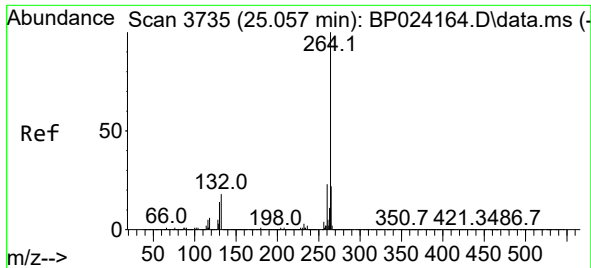
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

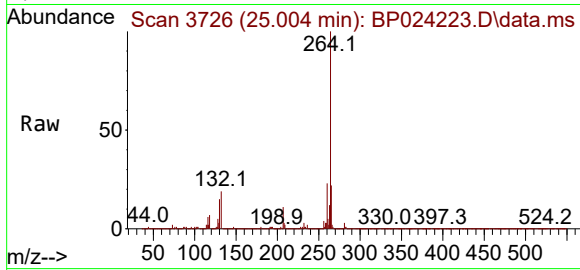
122 12.5 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-25-040325



Tgt Ion:264 Resp: 2624543
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.9 17.7 26.5

