

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
 Data File : BP024222.D
 Acq On : 08 Apr 2025 21:11
 Operator : RC/JU
 Sample : Q1730-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-24-040325

Quant Time: Apr 09 01:03:05 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)

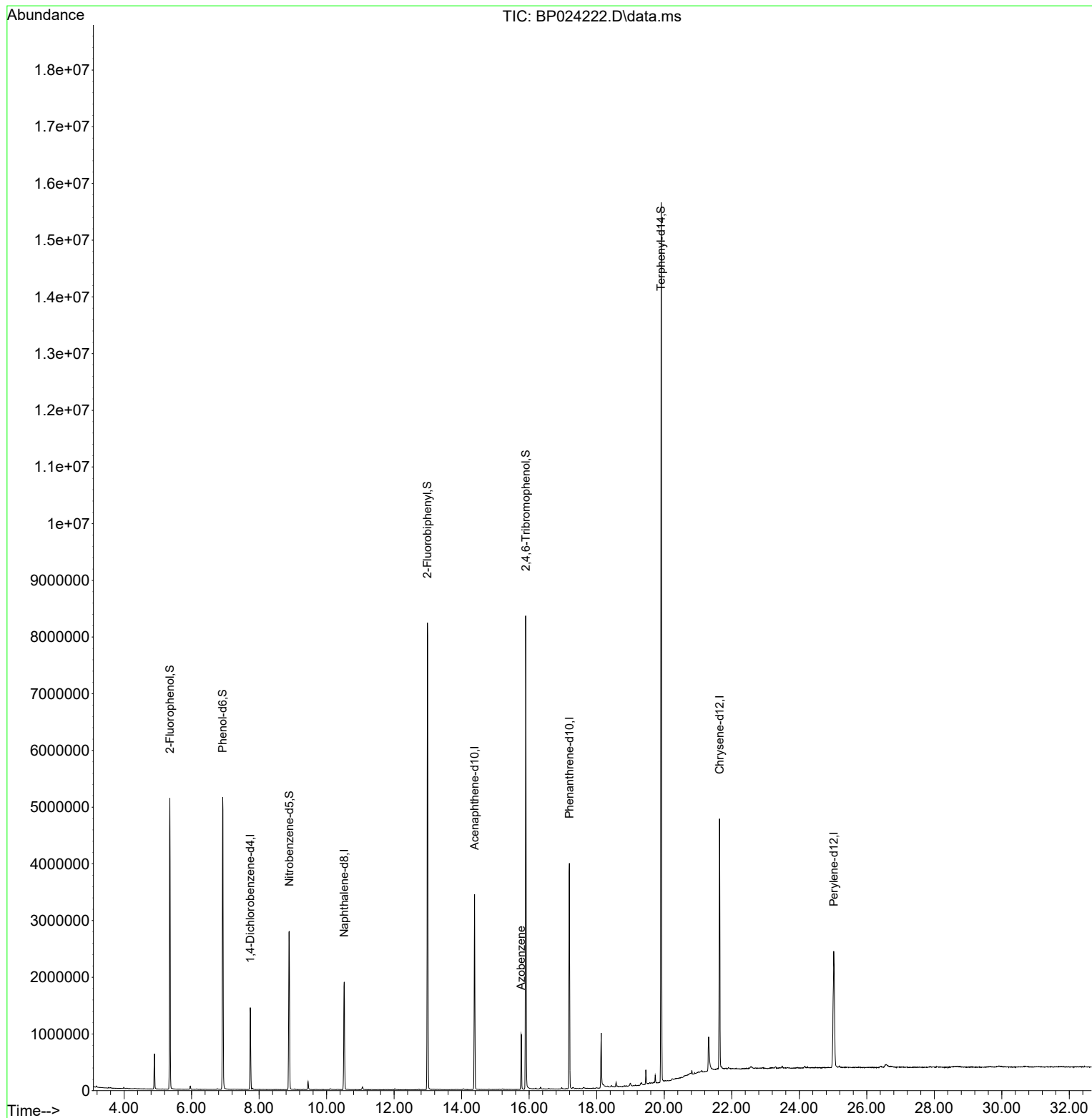
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	383991	20.000	ng	-0.03
21) Naphthalene-d8	10.522	136	1666473	20.000	ng	-0.03
39) Acenaphthene-d10	14.381	164	1139824	20.000	ng	-0.02
64) Phenanthrene-d10	17.192	188	2384262	20.000	ng	-0.01
76) Chrysene-d12	21.639	240	2400487	20.000	ng	-0.02
86) Perylene-d12	25.021	264	2207610	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2306395	95.879	ng	-0.02
7) Phenol-d6	6.922	99	3203849	99.597	ng	-0.03
23) Nitrobenzene-d5	8.893	82	1816981	61.517	ng	-0.03
42) 2,4,6-Tribromophenol	15.898	330	1520784	105.922	ng	-0.02
45) 2-Fluorobiphenyl	12.987	172	4360836	56.414	ng	-0.03
79) Terphenyl-d14	19.910	244	7880823	67.769	ng	-0.01
Target Compounds						
63) Azobenzene	15.763	77	277408	3.706	ng	Qvalue # 1

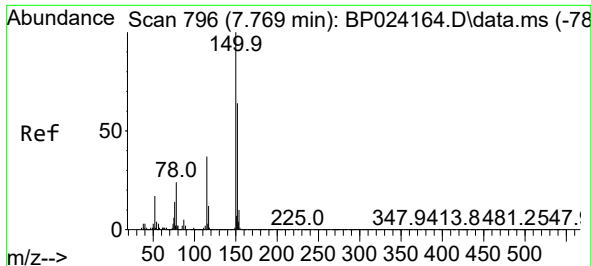
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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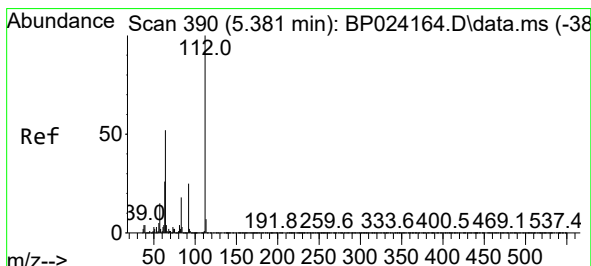
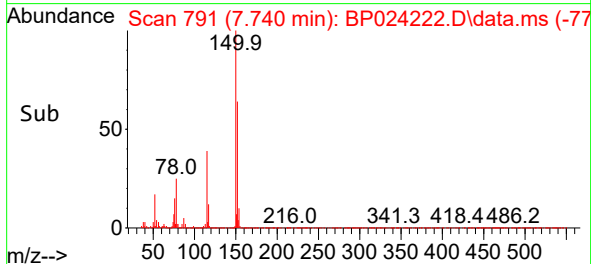
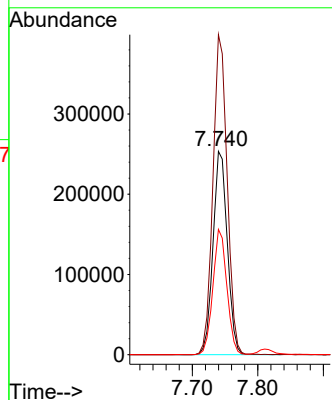
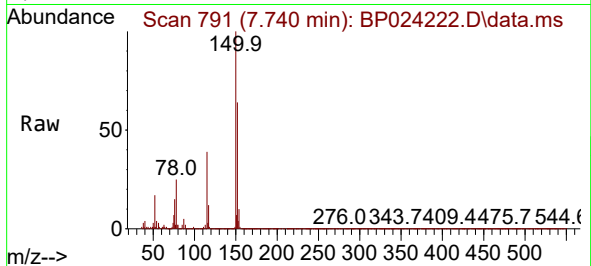




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

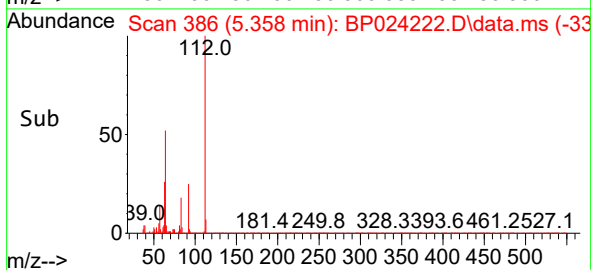
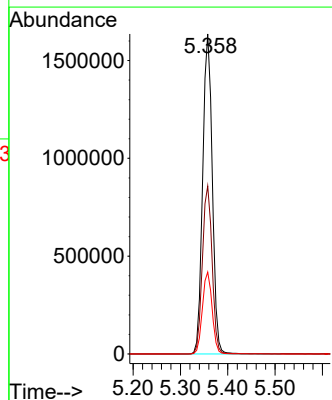
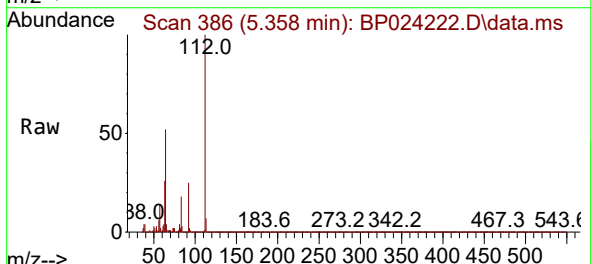
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-24-040325

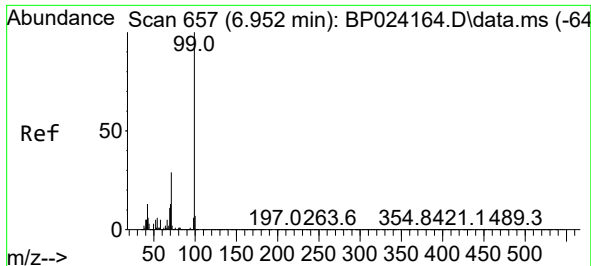
Tgt Ion:152 Resp: 383991
Ion Ratio Lower Upper
152 100
150 157.3 125.5 188.3
115 61.6 46.3 69.5



#5
2-Fluorophenol
Concen: 95.879 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:112 Resp: 2306395
Ion Ratio Lower Upper
112 100
64 52.5 41.3 61.9
63 25.6 20.6 31.0

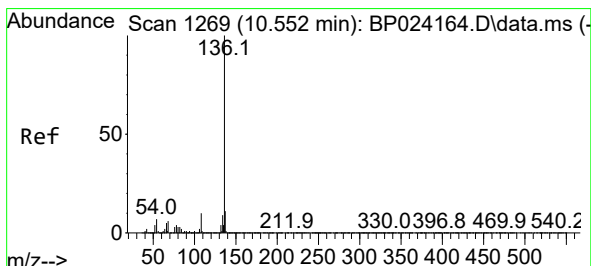
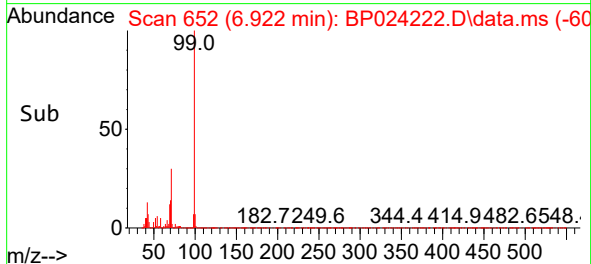
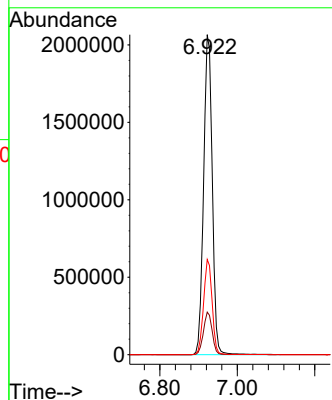
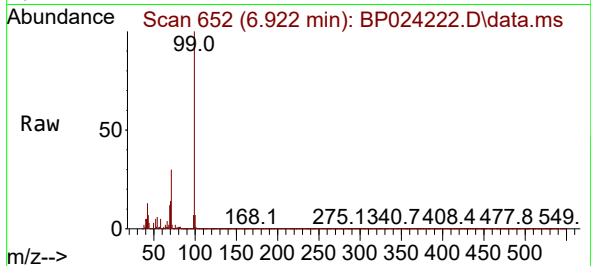




#7
Phenol-d6
Concen: 99.597 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

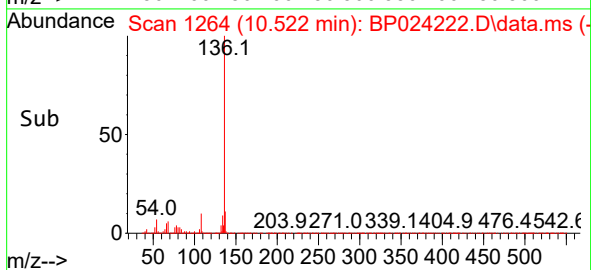
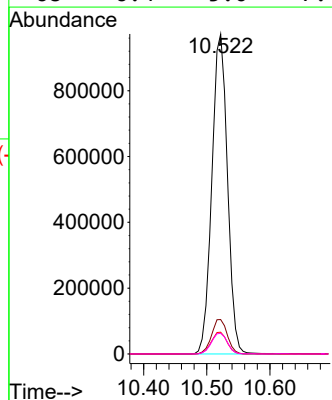
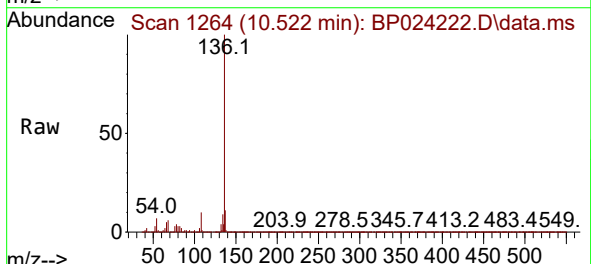
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-24-040325

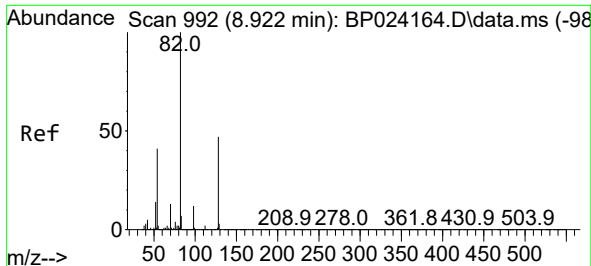
Tgt Ion: 99 Resp: 3203849
Ion Ratio Lower Upper
99 100
42 13.3 10.6 16.0
71 29.8 23.3 34.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:136 Resp: 1666473
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.8 5.3 7.9
68 6.4 5.0 7.4

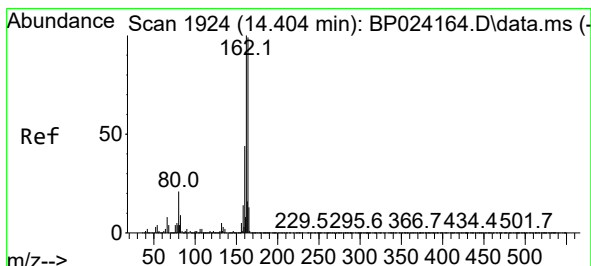
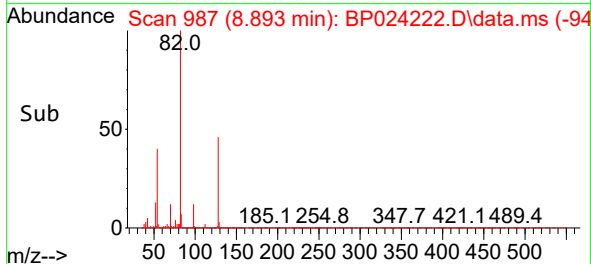
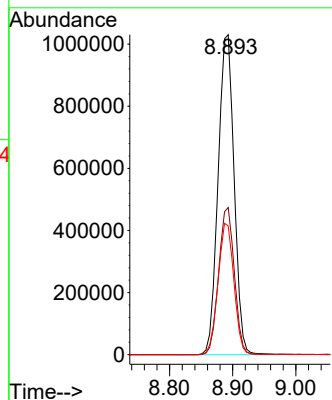
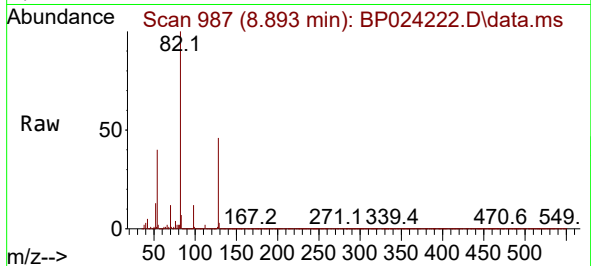




#23
Nitrobenzene-d5
Concen: 61.517 ng
RT: 8.893 min Scan# 91
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

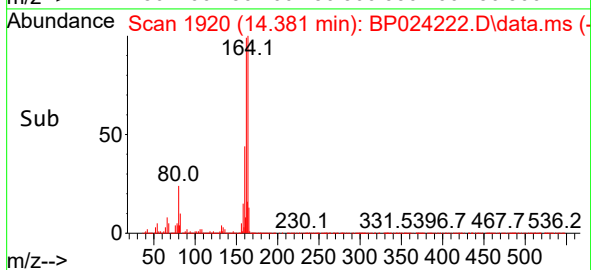
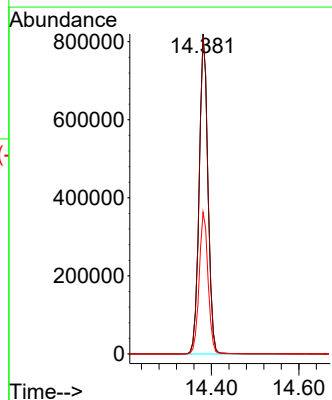
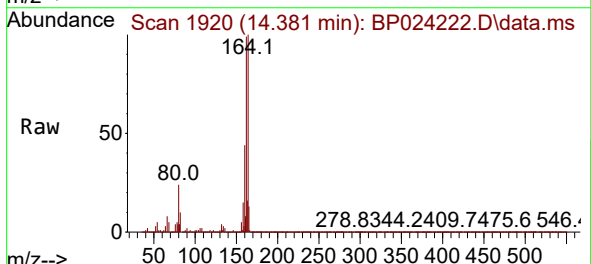
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-24-040325

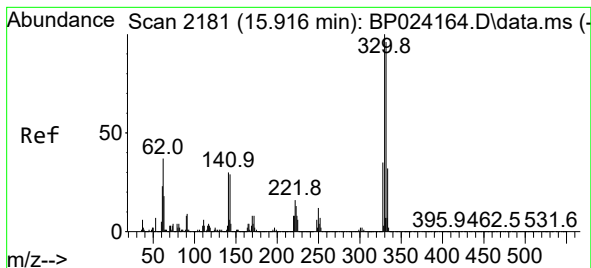
Tgt Ion: 82 Resp: 1816981
Ion Ratio Lower Upper
82 100
128 46.0 37.4 56.0
54 40.2 32.5 48.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion: 164 Resp: 1139824
Ion Ratio Lower Upper
164 100
162 99.3 80.6 121.0
160 44.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 105.922 ng

RT: 15.898 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BP024222.D

Acq: 08 Apr 2025 21:11

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-24-040325

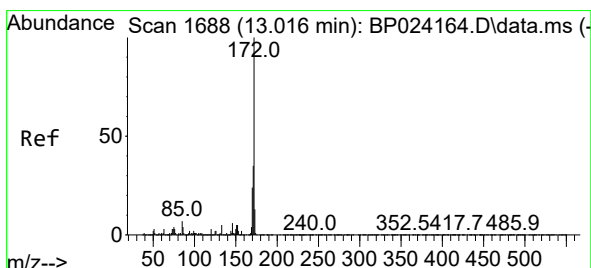
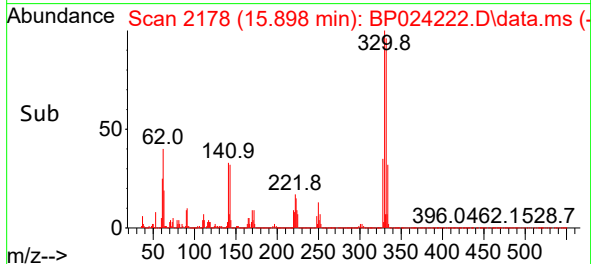
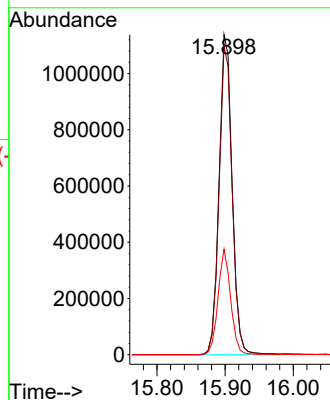
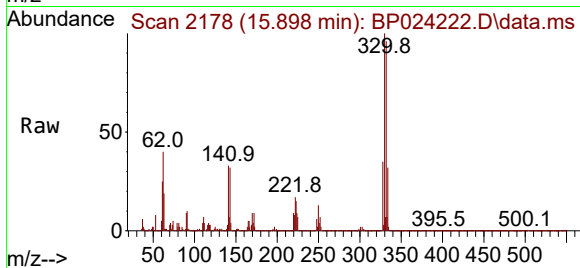
Tgt Ion:330 Resp: 1520784

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 32.0 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 56.414 ng

RT: 12.987 min Scan# 1683

Delta R.T. -0.029 min

Lab File: BP024222.D

Acq: 08 Apr 2025 21:11

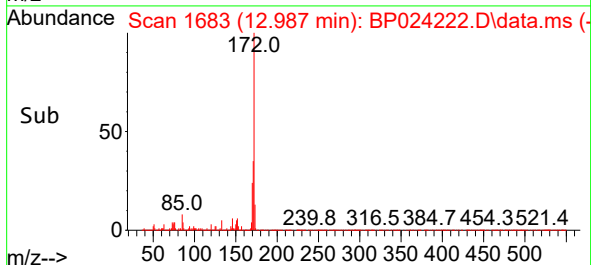
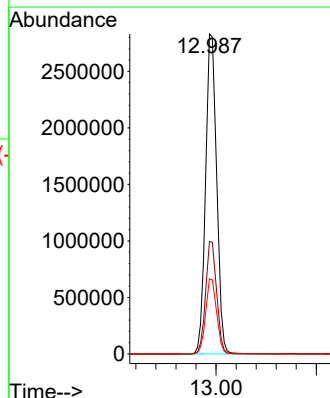
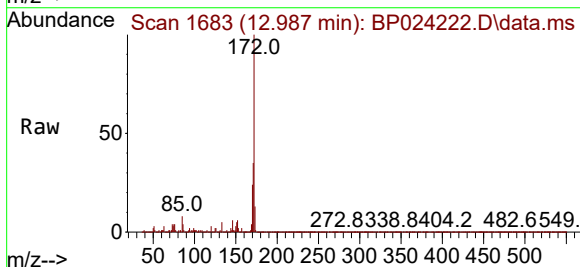
Tgt Ion:172 Resp: 4360836

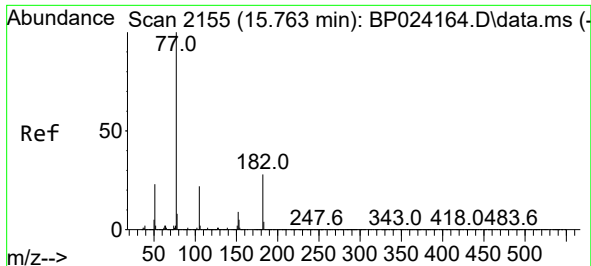
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.5 19.0 28.4

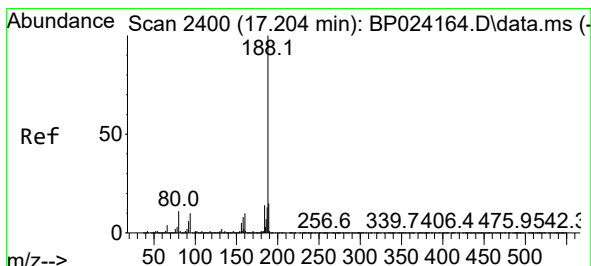
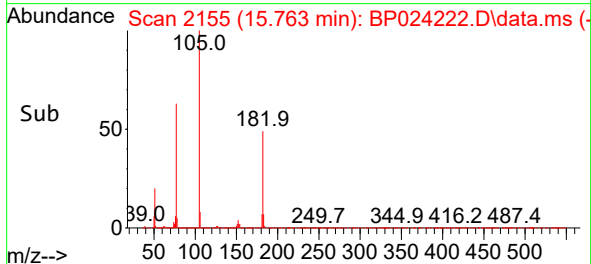
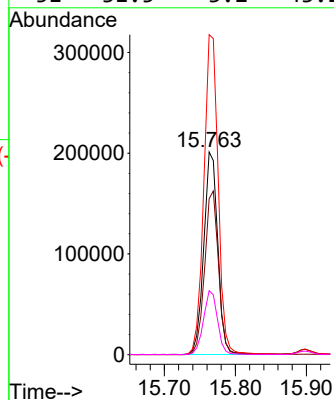
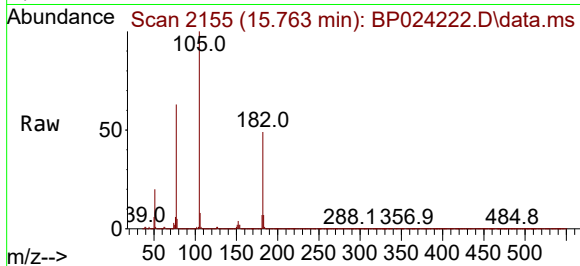




#63
Azobenzene
Concen: 3.706 ng
RT: 15.763 min Scan# 2155
Delta R.T. -0.000 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

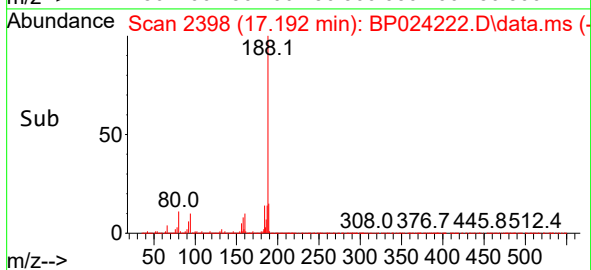
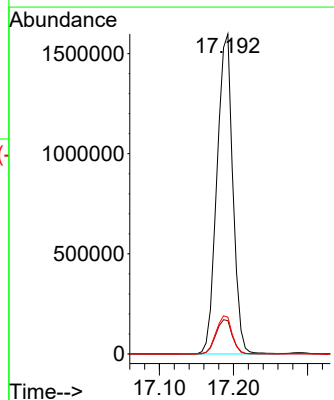
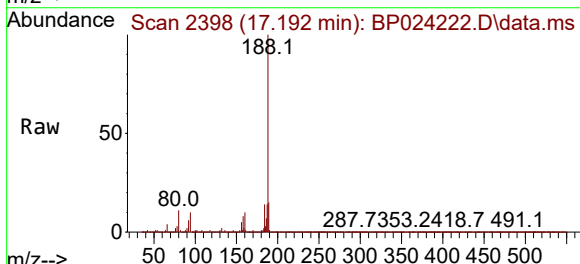
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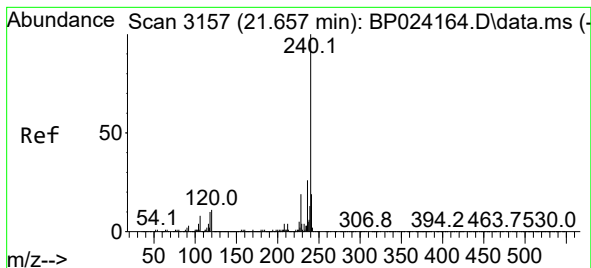
Tgt Ion: 77 Resp: 277408
Ion Ratio Lower Upper
77 100
182 76.9 7.7 47.7#
105 157.8 2.3 42.3#
51 31.5 3.2 43.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:188 Resp: 2384262
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 11.5 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: BP024222.D

Acq: 08 Apr 2025 21:11

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-24-040325

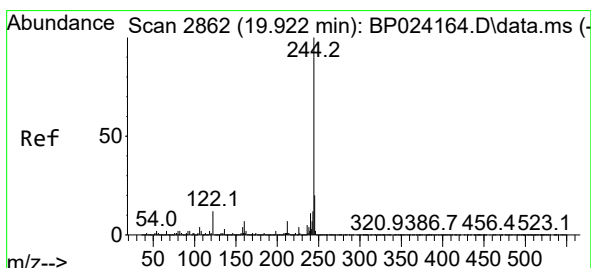
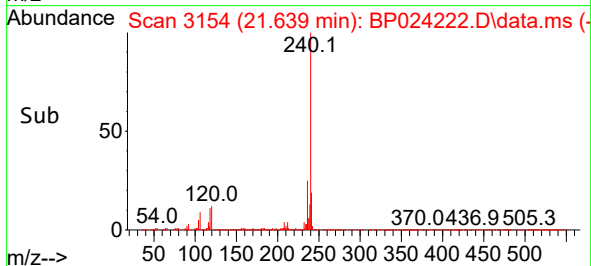
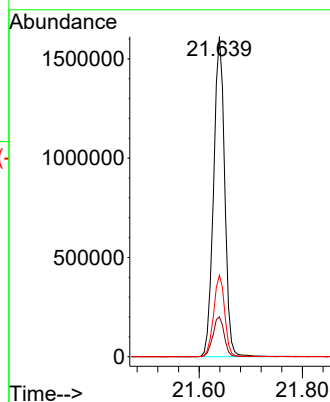
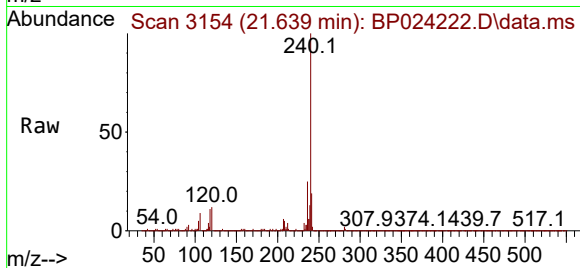
Tgt Ion:240 Resp: 2400487

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

236 25.4 20.4 30.6



#79

Terphenyl-d14

Concen: 67.769 ng

RT: 19.910 min Scan# 2860

Delta R.T. -0.012 min

Lab File: BP024222.D

Acq: 08 Apr 2025 21:11

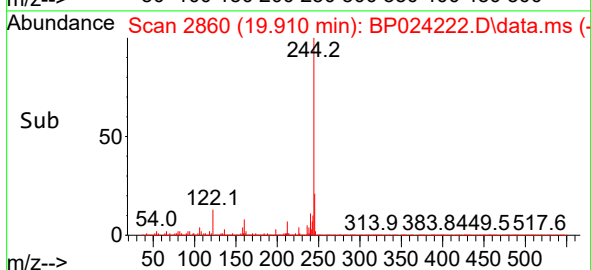
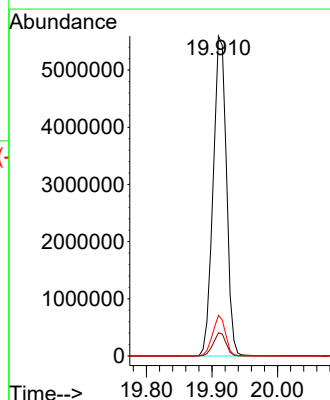
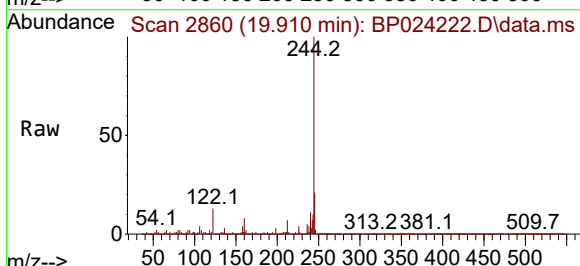
Tgt Ion:244 Resp: 7880823

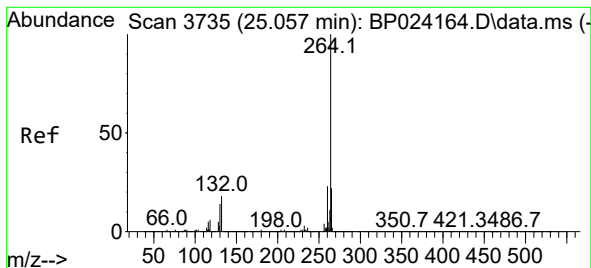
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 12.7 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.021 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP024222.D

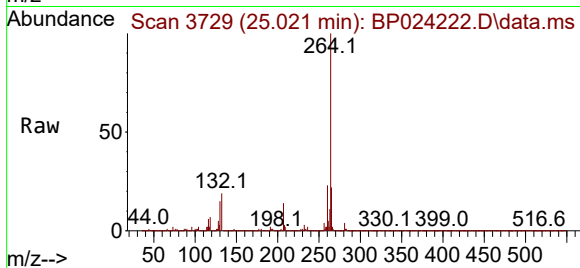
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Tgt Ion:264 Resp: 2207610

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.1 17.7 26.5

