

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
 Data File : BP024311.D
 Acq On : 16 Apr 2025 14:32
 Operator : RC/JU
 Sample : Q1800-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A4-01-C

Quant Time: Apr 16 15:21:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

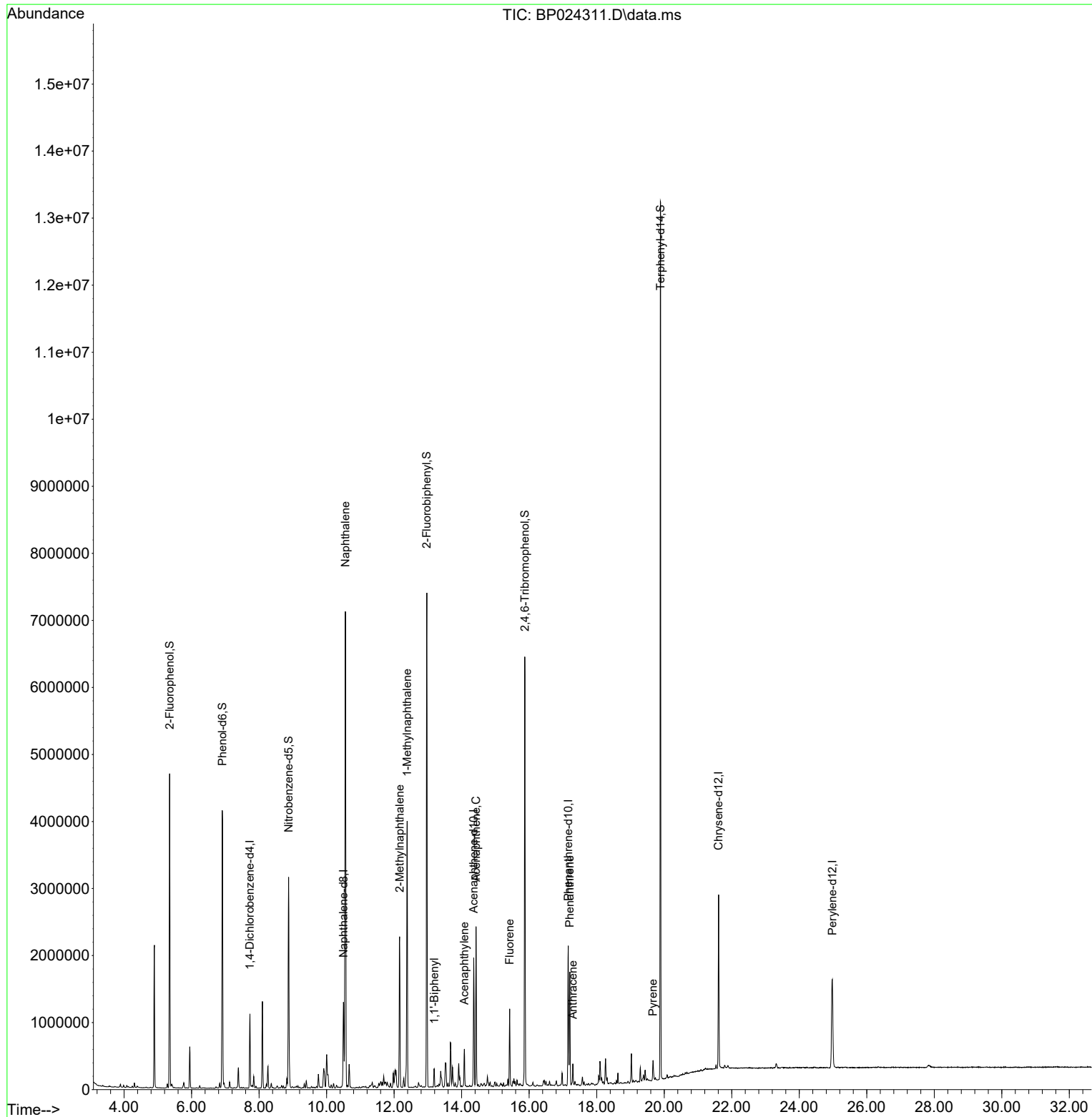
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	292453	20.000	ng	0.00
21) Naphthalene-d8	10.498	136	1142807	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	666880	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1282136	20.000	ng	-0.02
76) Chrysene-d12	21.610	240	1337798	20.000	ng	-0.01
86) Perylene-d12	24.980	264	1371957	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	2027125	114.609	ng	0.00
7) Phenol-d6	6.910	99	2522211	104.142	ng	0.00
23) Nitrobenzene-d5	8.875	82	1764197	88.026	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1255144	136.035	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	3614724	82.992	ng	-0.01
79) Terphenyl-d14	19.892	244	6235881	93.955	ng	-0.03
Target Compounds						
						Qvalue
31) Naphthalene	10.557	128	5858404	97.318	ng	99
37) 2-Methylnaphthalene	12.163	142	1057468	25.329	ng	99
38) 1-Methylnaphthalene	12.386	142	1739888	42.600	ng	100
46) 1,1'-Biphenyl	13.186	154	151370	3.088	ng	100
49) Acenaphthylene	14.081	152	229982	3.987	ng	# 94
52) Acenaphthene	14.428	154	802372	21.942	ng	99
58) Fluorene	15.422	166	484267	10.466	ng	99
71) Phenanthrene	17.204	178	1022745	14.622	ng	99
72) Anthracene	17.292	178	179377	2.661	ng	99
78) Pyrene	19.668	202	188267	2.214	ng	100

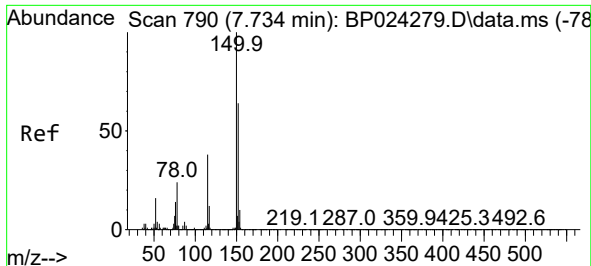
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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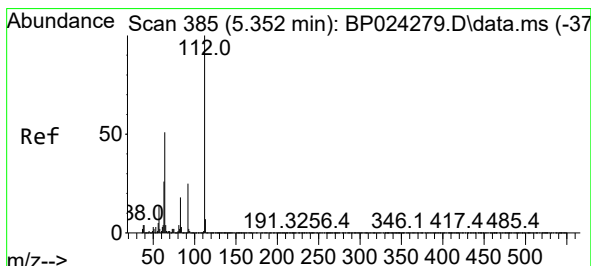
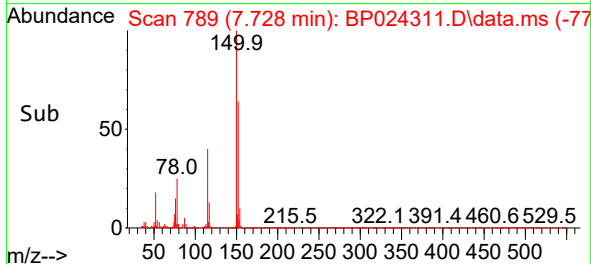
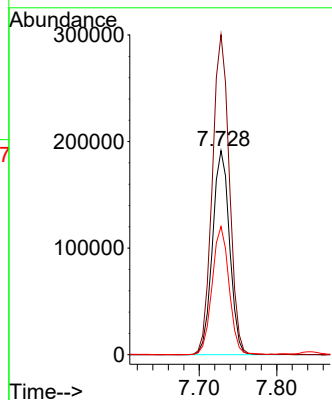
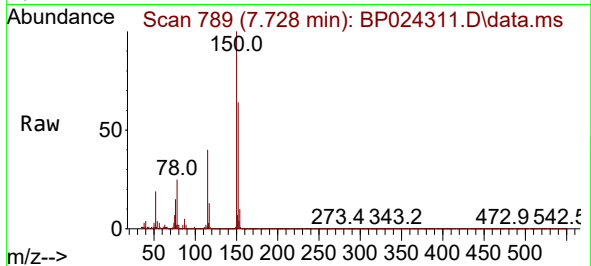




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 790
Delta R.T. -0.000 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

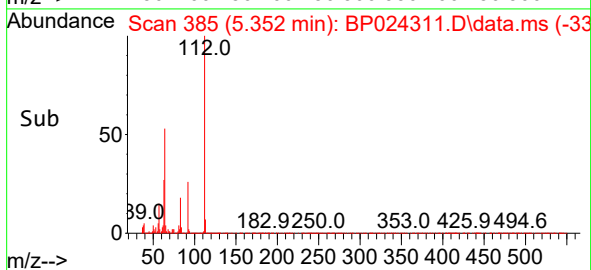
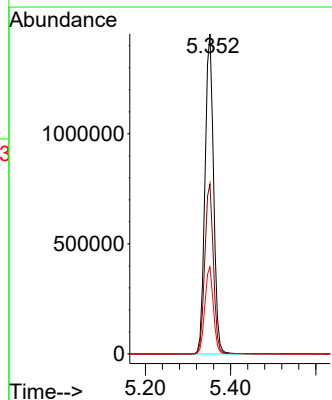
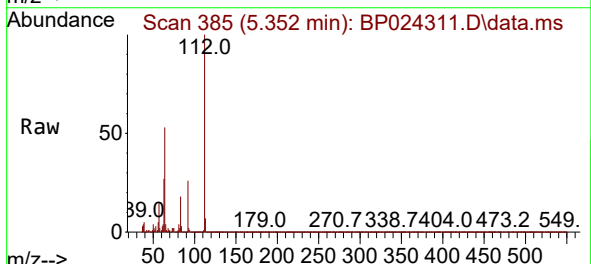
Instrument :
BNA_P
ClientSampleId :
WC-A4-01-C

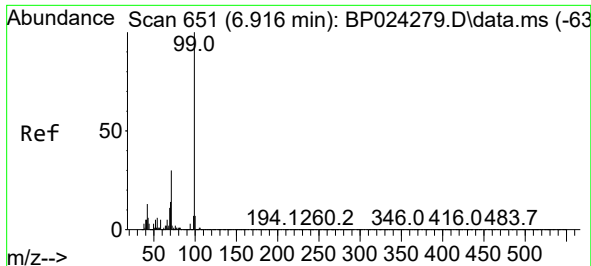
Tgt Ion:152 Resp: 292453
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 62.8 47.7 71.5



#5
2-Fluorophenol
Concen: 114.609 ng
RT: 5.352 min Scan# 385
Delta R.T. -0.000 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

Tgt Ion:112 Resp: 2027125
Ion Ratio Lower Upper
112 100
64 53.1 41.1 61.7
63 27.2 20.6 30.8

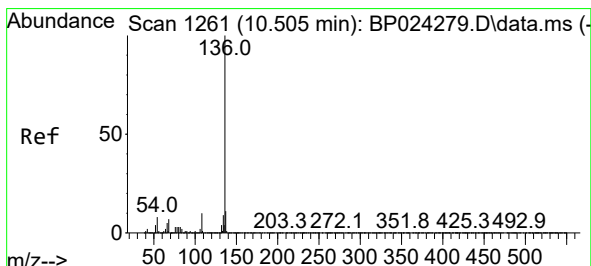
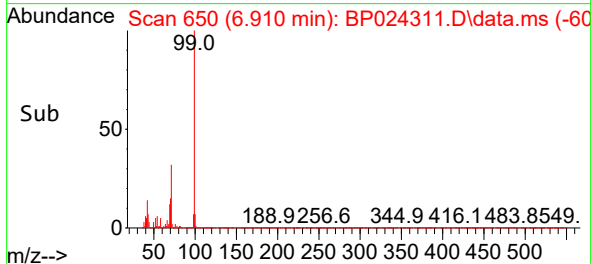
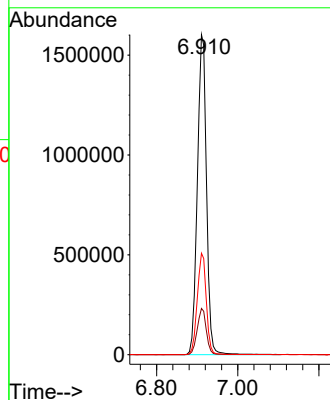
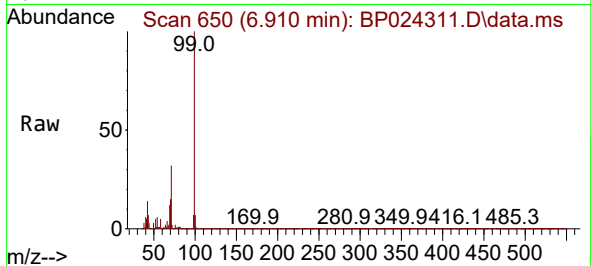




#7
Phenol-d6
Concen: 104.142 ng
RT: 6.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

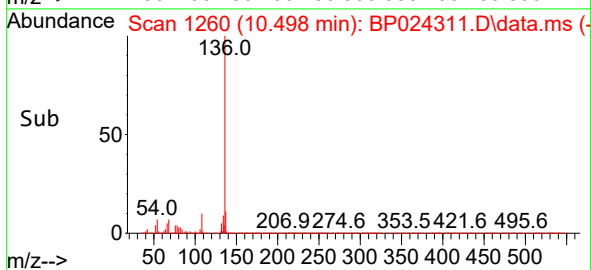
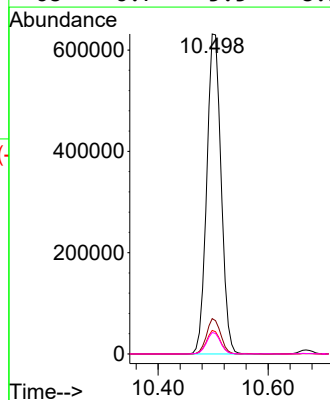
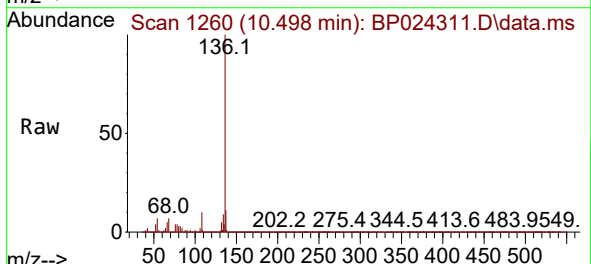
Instrument :
BNA_P
ClientSampleId :
WC-A4-01-C

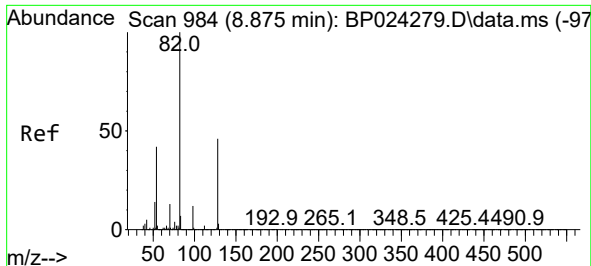
Tgt Ion: 99 Resp: 2522211
Ion Ratio Lower Upper
99 100
42 14.4 10.6 16.0
71 31.7 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

Tgt Ion:136 Resp: 1142807
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 7.4 6.0 9.0
68 6.7 5.5 8.3



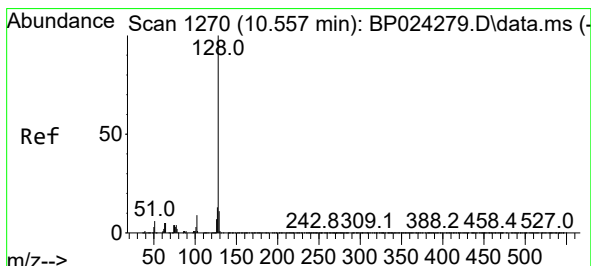
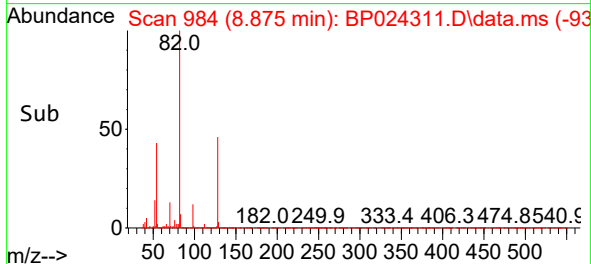
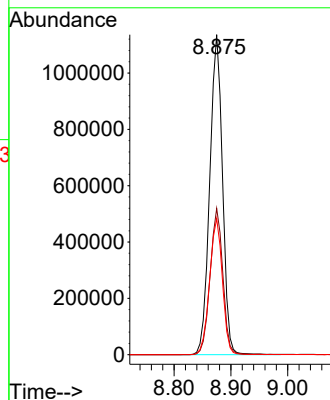
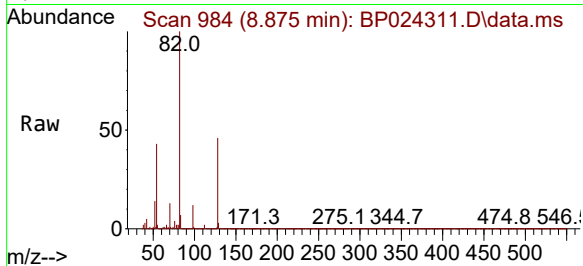


#23
 Nitrobenzene-d5
 Concen: 88.026 ng
 RT: 8.875 min Scan# 984
 Delta R.T. -0.006 min
 Lab File: BP024311.D
 Acq: 16 Apr 2025 14:32

Instrument :
 BNA_P
 ClientSampleId :
 WC-A4-01-C

Tgt Ion: 82 Resp: 1764197

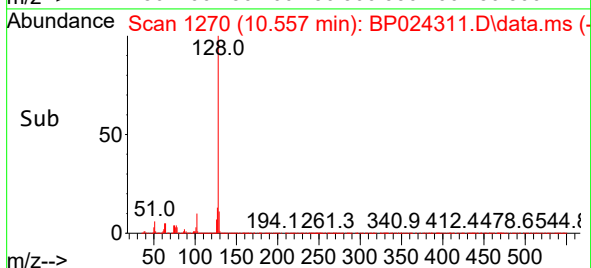
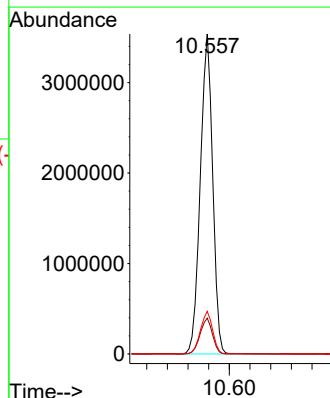
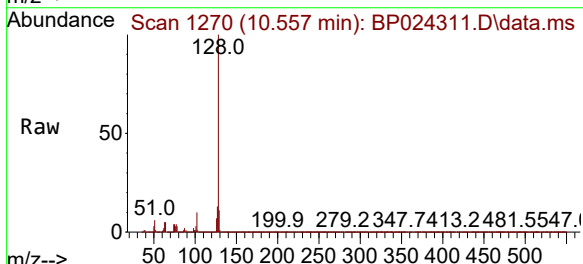
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	42.6	33.4	50.2

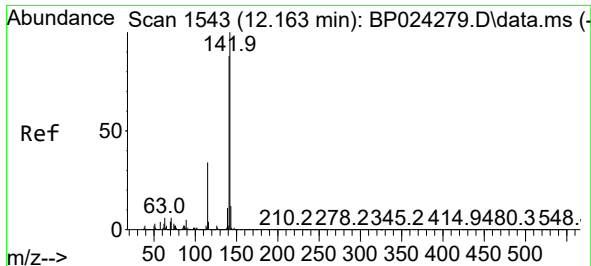


#31
 Naphthalene
 Concen: 97.318 ng
 RT: 10.557 min Scan# 1270
 Delta R.T. -0.000 min
 Lab File: BP024311.D
 Acq: 16 Apr 2025 14:32

Tgt Ion: 128 Resp: 5858404

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.3	10.3	15.5

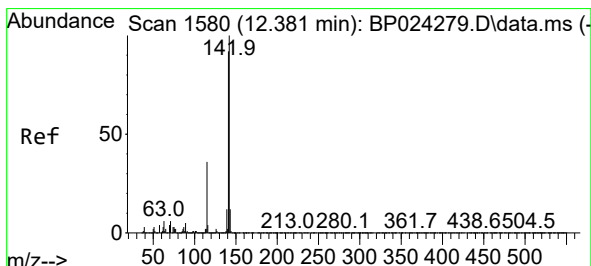
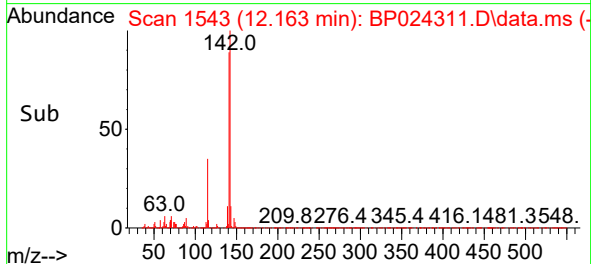
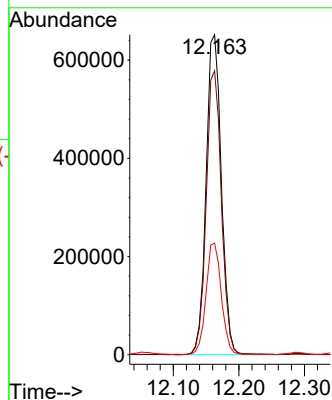
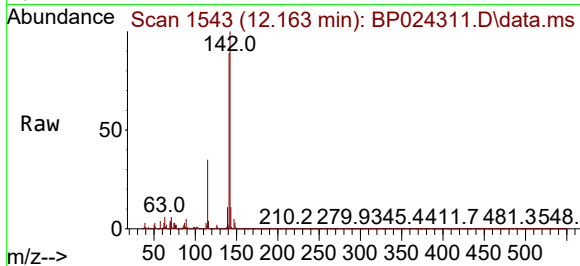




#37
2-Methylnaphthalene
Concen: 25.329 ng
RT: 12.163 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

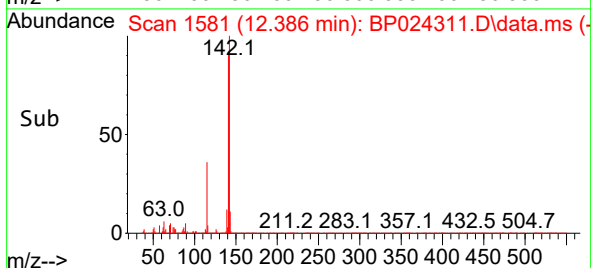
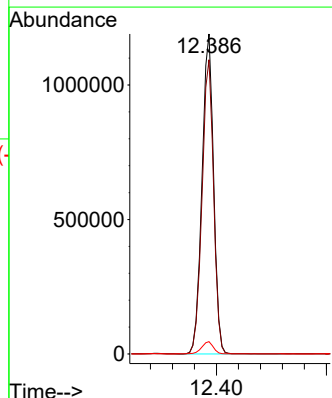
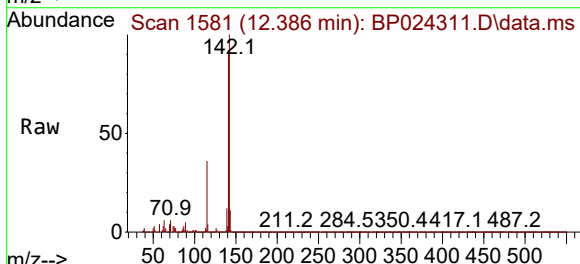
Instrument :
BNA_P
ClientSampleId :
WC-A4-01-C

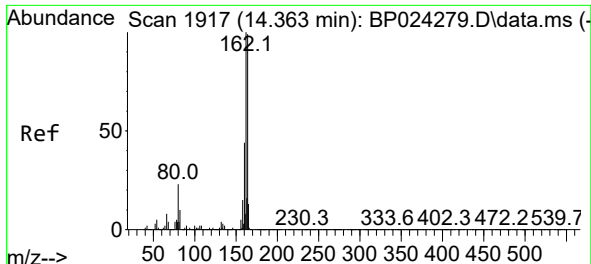
Tgt Ion:142 Resp: 1057468
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 34.9 26.9 40.3



#38
1-Methylnaphthalene
Concen: 42.600 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

Tgt Ion:142 Resp: 1739888
Ion Ratio Lower Upper
142 100
141 92.0 73.6 110.4
116 3.9 3.0 4.6

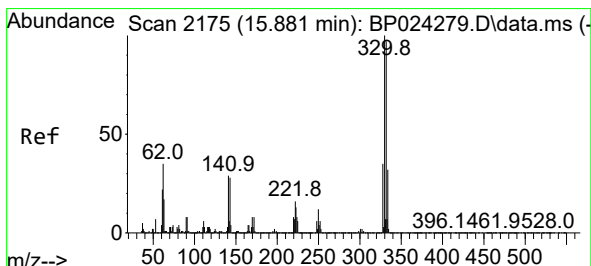
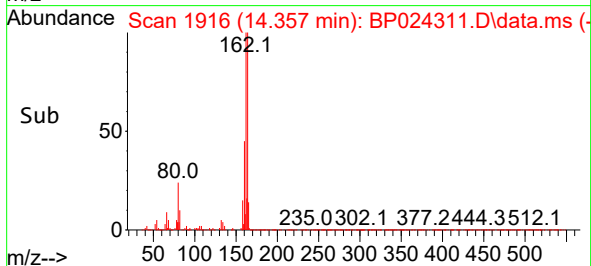
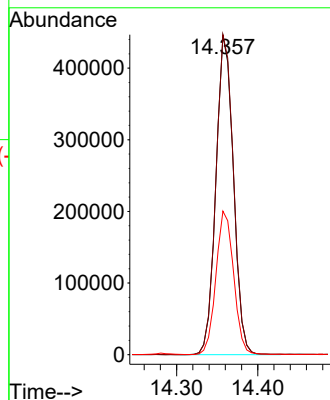
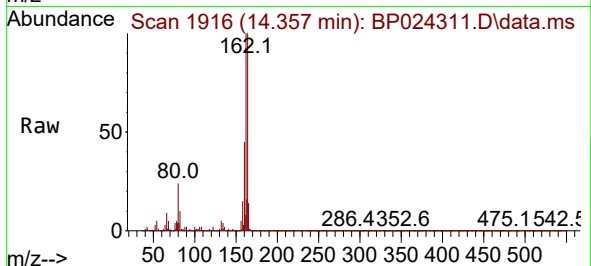




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

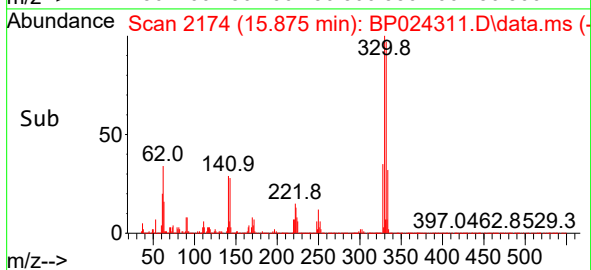
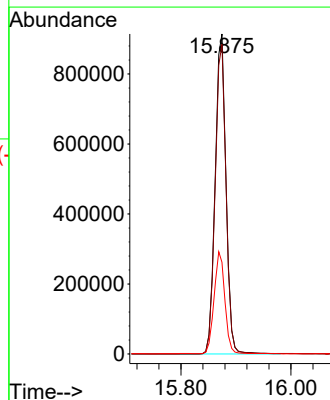
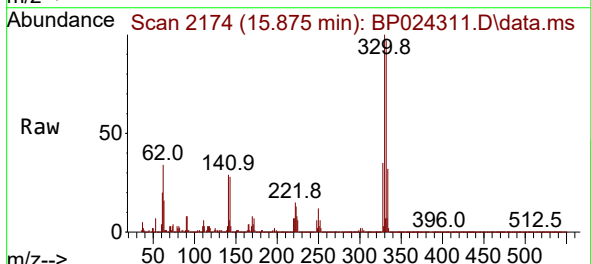
Instrument :
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ClientSampleId :
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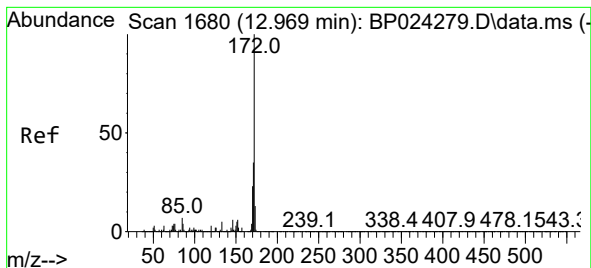
Tgt Ion:164 Resp: 666880
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 45.0 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 136.035 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024311.D
Acq: 16 Apr 2025 14:32

Tgt Ion:330 Resp: 1255144
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 31.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 82.992 ng

RT: 12.969 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Instrument :

BNA_P

ClientSampleId :

WC-A4-01-C

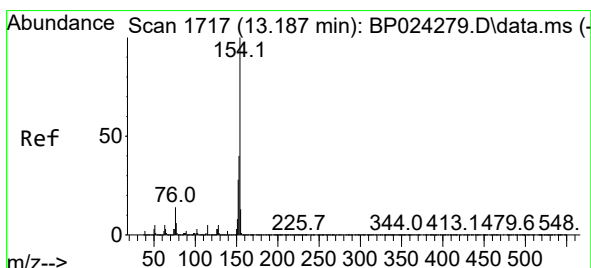
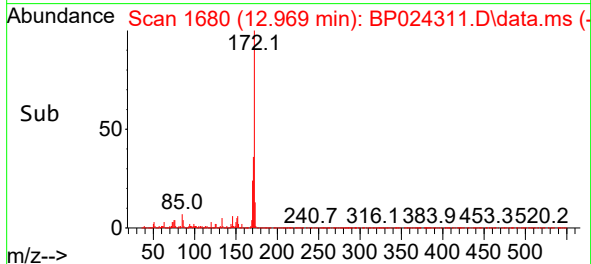
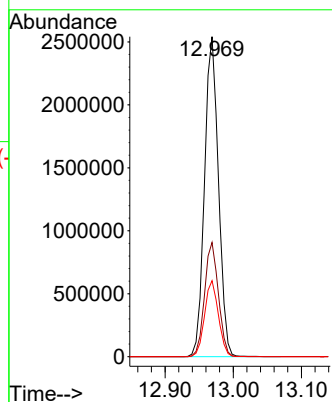
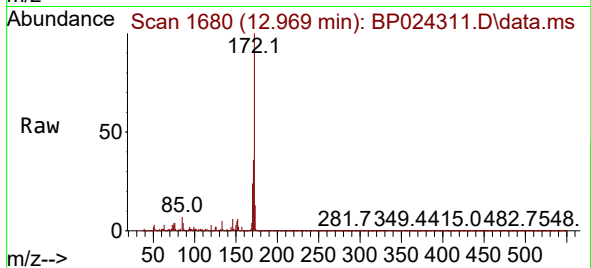
Tgt Ion:172 Resp: 3614724

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.8 18.6 27.8



#46

1,1'-Biphenyl

Concen: 3.088 ng

RT: 13.186 min Scan# 1717

Delta R.T. -0.012 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

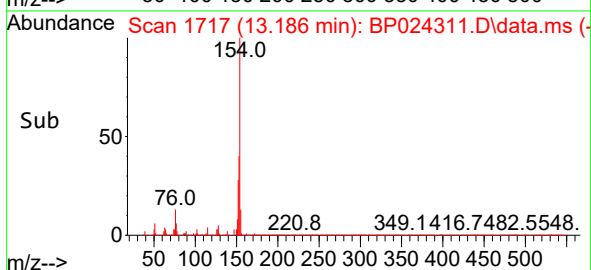
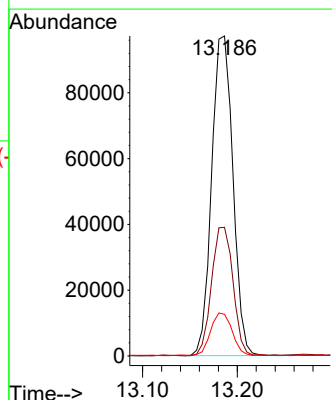
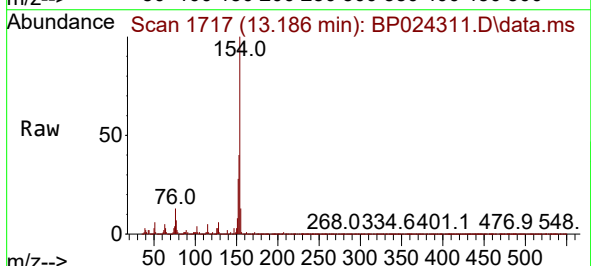
Tgt Ion:154 Resp: 151370

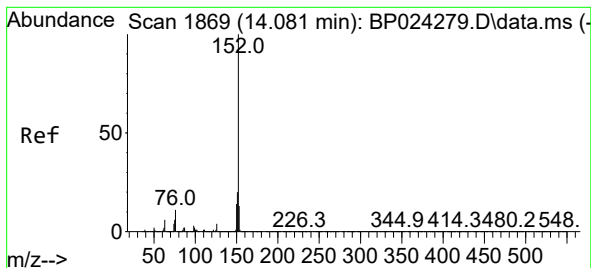
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.0 0.0 33.5





#49

Acenaphthylene

Concen: 3.987 ng

RT: 14.081 min Scan# 1869

Delta R.T. -0.006 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Instrument :

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ClientSampleId :

WC-A4-01-C

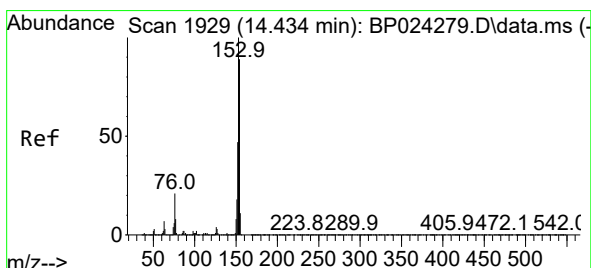
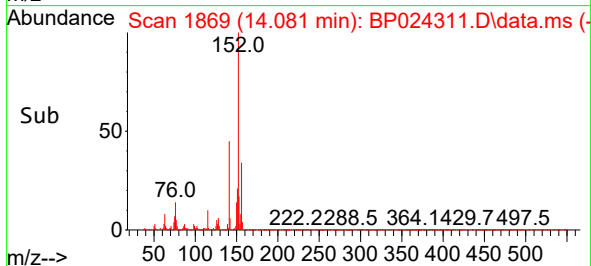
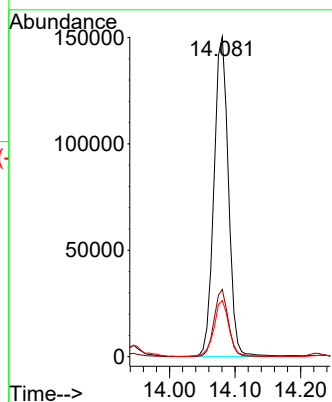
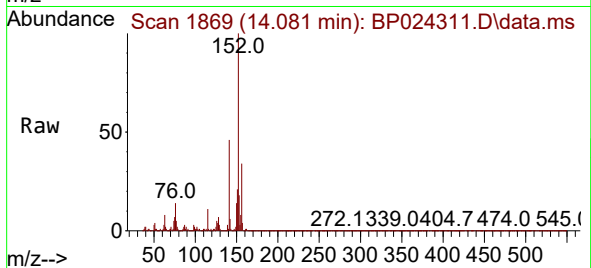
Tgt Ion:152 Resp: 229982

Ion Ratio Lower Upper

152 100

151 21.0 15.9 23.9

153 17.6 10.6 15.8#



#52

Acenaphthene

Concen: 21.942 ng

RT: 14.428 min Scan# 1928

Delta R.T. -0.012 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

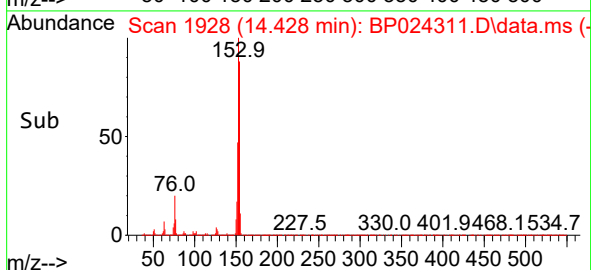
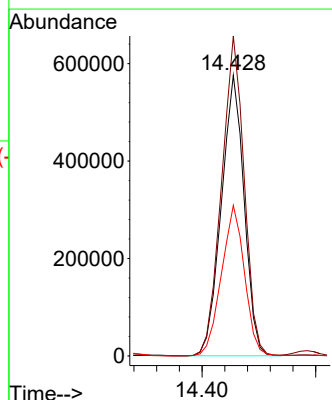
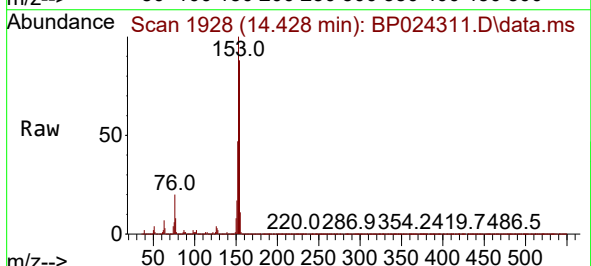
Tgt Ion:154 Resp: 802372

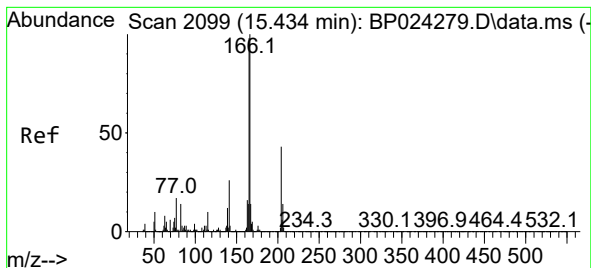
Ion Ratio Lower Upper

154 100

153 114.0 89.8 134.6

152 53.6 42.6 63.8





#58

Fluorene

Concen: 10.466 ng

RT: 15.422 min Scan# 2099

Delta R.T. -0.018 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Instrument :

BNA_P

ClientSampleId :

WC-A4-01-C

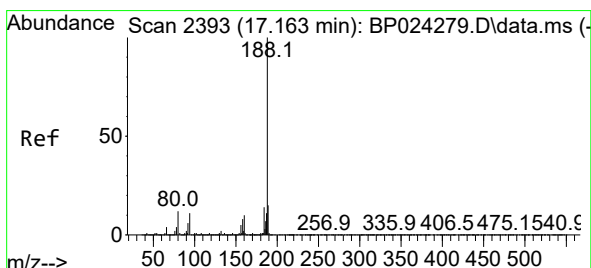
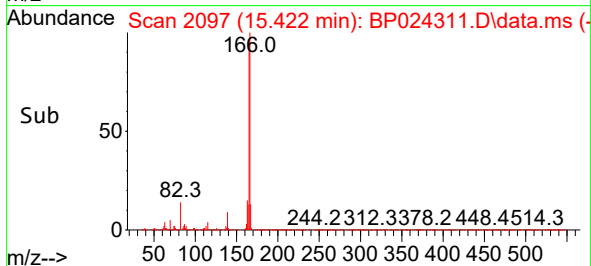
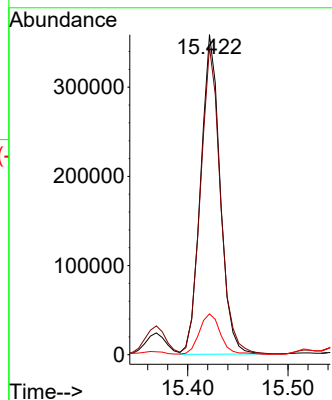
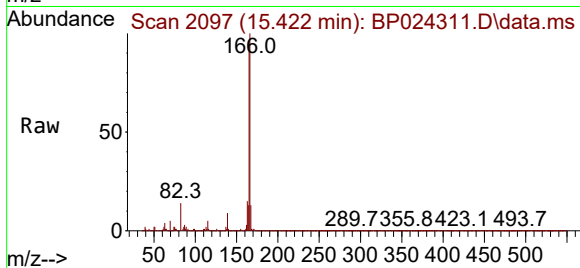
Tgt Ion:166 Resp: 484267

Ion Ratio Lower Upper

166 100

165 96.3 78.1 117.1

167 12.8 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2392

Delta R.T. -0.024 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

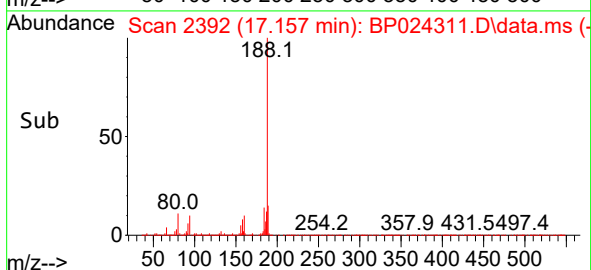
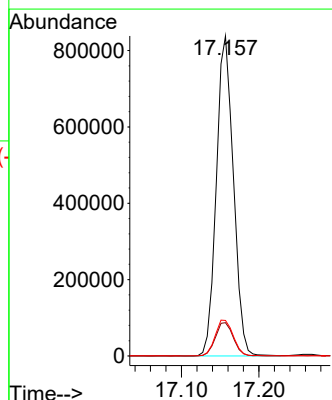
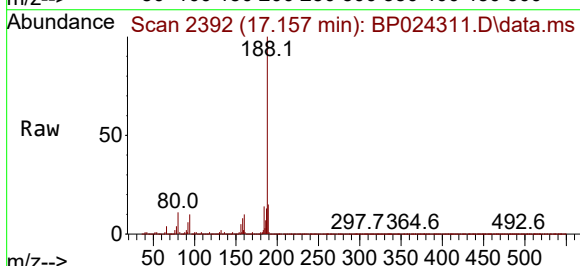
Tgt Ion:188 Resp: 1282136

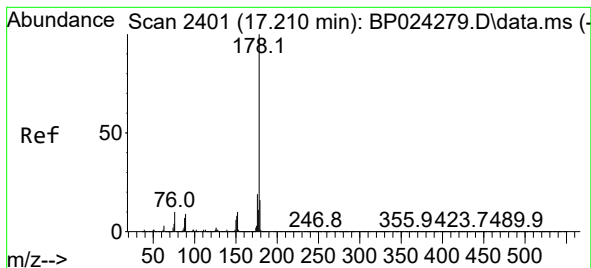
Ion Ratio Lower Upper

188 100

94 10.4 8.6 13.0

80 11.1 9.8 14.6





#71

Phenanthrene

Concen: 14.622 ng

RT: 17.204 min Scan# 2400

Delta R.T. -0.024 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Instrument :

BNA_P

ClientSampleId :

WC-A4-01-C

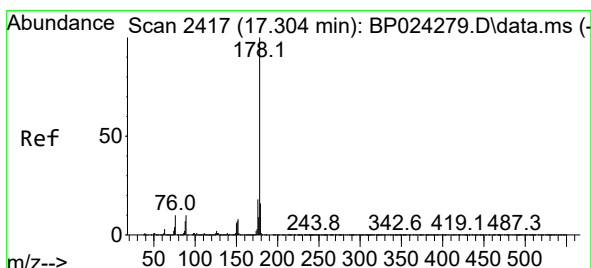
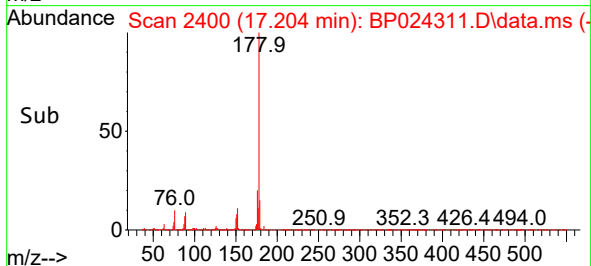
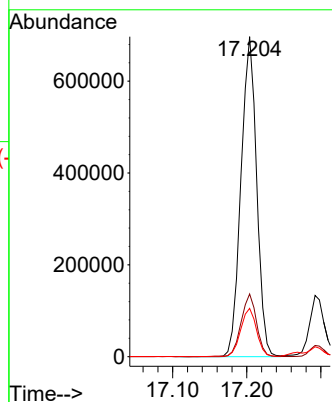
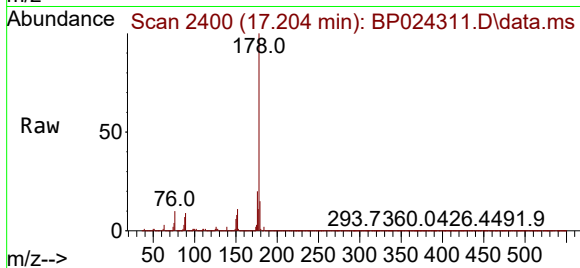
Tgt Ion:178 Resp: 1022745

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.1 12.5 18.7



#72

Anthracene

Concen: 2.661 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.024 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

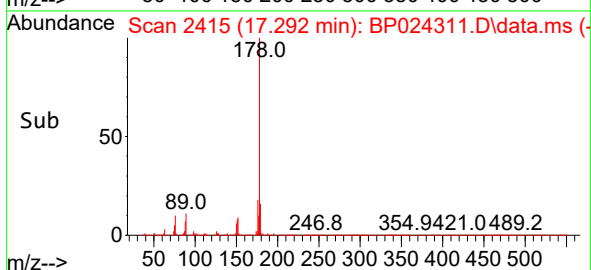
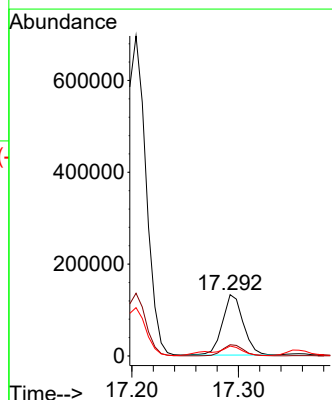
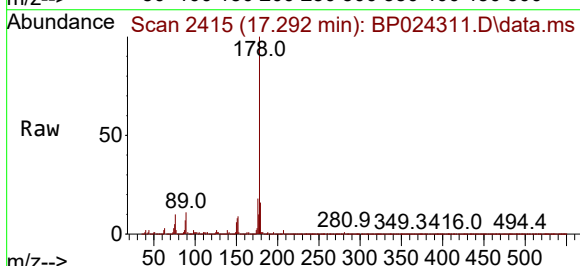
Tgt Ion:178 Resp: 179377

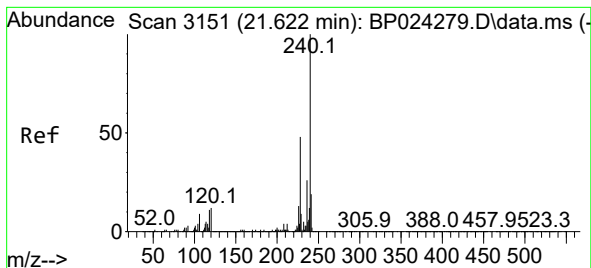
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 16.2 12.4 18.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3151

Delta R.T. -0.012 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Instrument :

BNA_P

ClientSampleId :

WC-A4-01-C

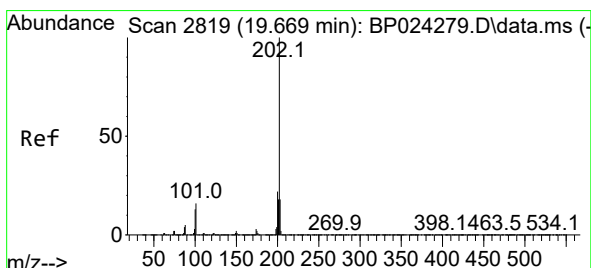
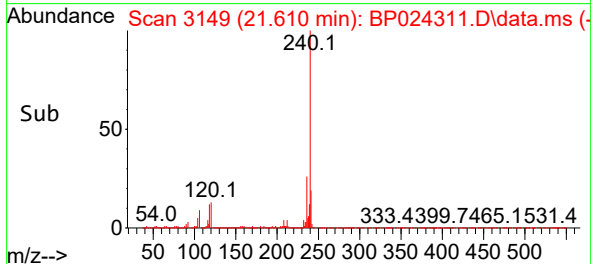
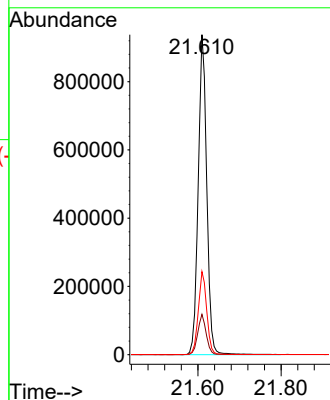
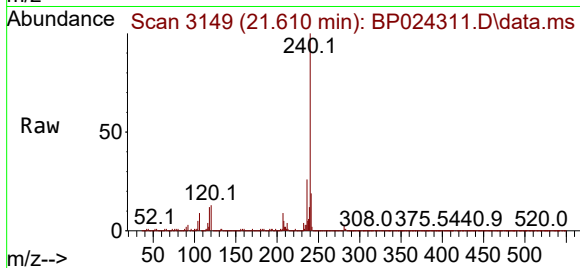
Tgt Ion:240 Resp: 1337798

Ion Ratio Lower Upper

240 100

120 12.6 9.8 14.8

236 25.9 20.9 31.3



#78

Pyrene

Concen: 2.214 ng

RT: 19.668 min Scan# 2819

Delta R.T. -0.018 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

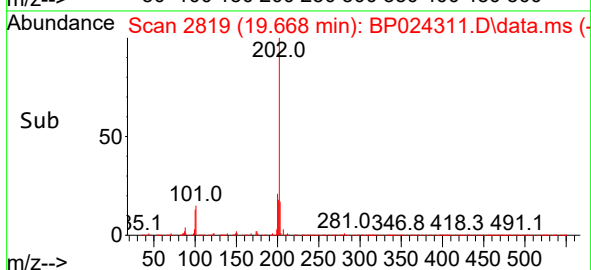
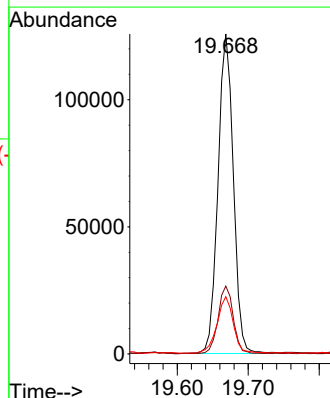
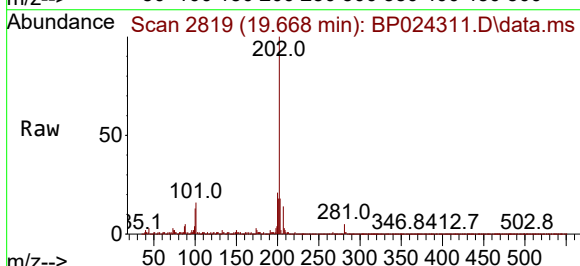
Tgt Ion:202 Resp: 188267

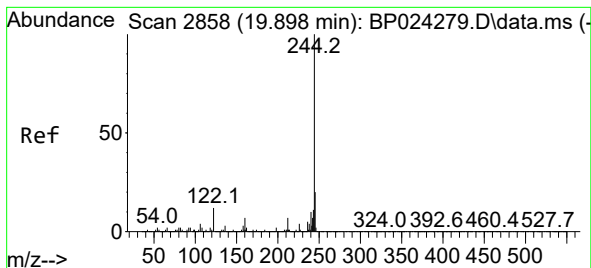
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 93.955 ng

RT: 19.892 min Scan# 21

Delta R.T. -0.030 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Instrument :

BNA_P

ClientSampleId :

WC-A4-01-C

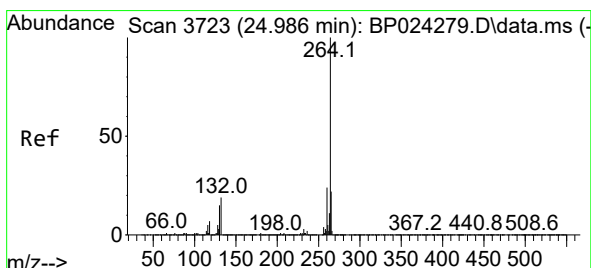
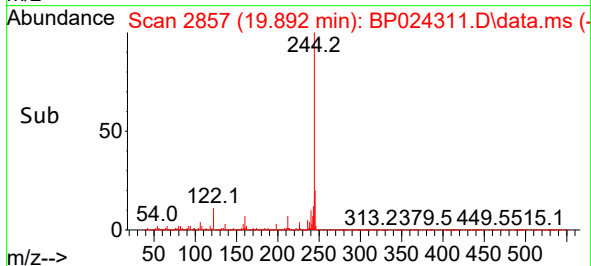
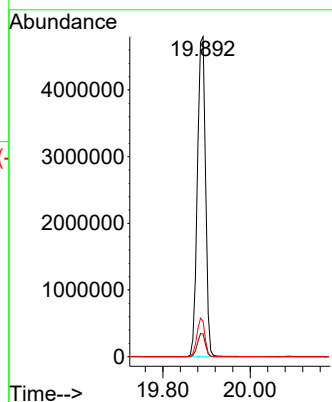
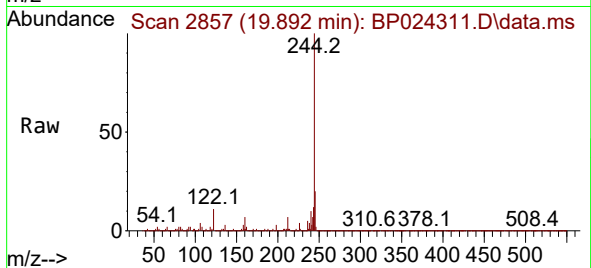
Tgt Ion:244 Resp: 6235881

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 11.1 9.4 14.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.980 min Scan# 3722

Delta R.T. -0.006 min

Lab File: BP024311.D

Acq: 16 Apr 2025 14:32

Tgt Ion:264 Resp: 1371957

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.8 17.8 26.6

