

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
 Data File : BP024533.D
 Acq On : 05 May 2025 20:09
 Operator : RC/JU
 Sample : Q1929-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A1-04-C

Quant Time: May 06 04:20:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

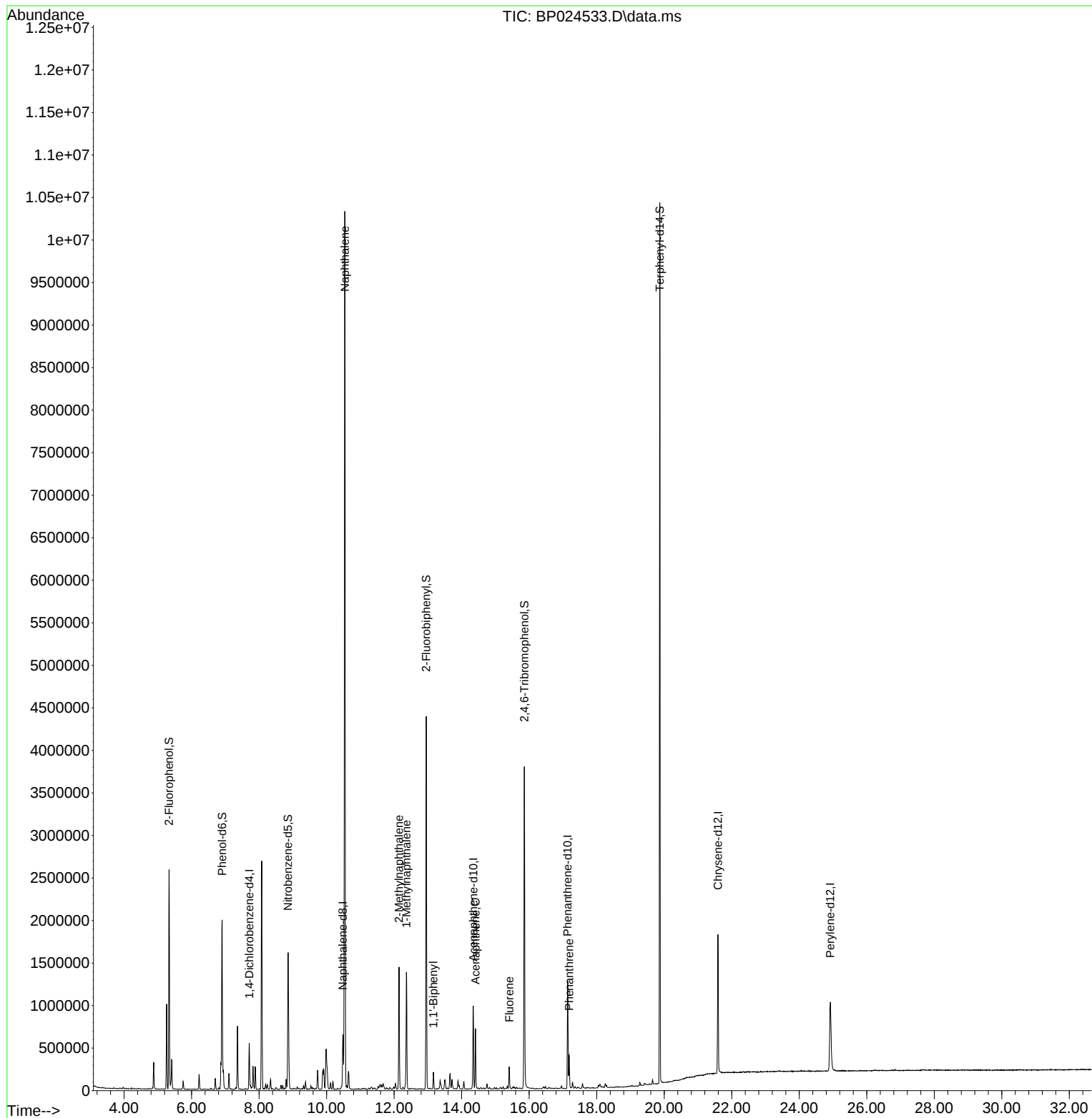
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	145173	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	561713	20.000	ng	#-0.02
39) Acenaphthene-d10	14.345	164	359614	20.000	ng	0.00
64) Phenanthrene-d10	17.139	188	778412	20.000	ng	0.00
76) Chrysene-d12	21.592	240	945876	20.000	ng	0.00
86) Perylene-d12	24.921	264	911497	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1097132	124.958	ng	-0.01
7) Phenol-d6	6.905	99	1212717	100.873	ng	0.00
23) Nitrobenzene-d5	8.857	82	927450	94.148	ng	-0.01
42) 2,4,6-Tribromophenol	15.857	330	888895	178.656	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	2074088	88.307	ng	-0.01
79) Terphenyl-d14	19.869	244	4595120	97.921	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.540	128	8379465	283.196	ng	98
37) 2-Methylnaphthalene	12.145	142	651991	31.773	ng	97
38) 1-Methylnaphthalene	12.363	142	651479	32.453	ng	99
46) 1,1'-Biphenyl	13.163	154	94300	3.567	ng	98
52) Acenaphthene	14.410	154	236171	11.977	ng	99
58) Fluorene	15.410	166	115578	4.632	ng	100
71) Phenanthrene	17.186	178	239201	5.633	ng	99

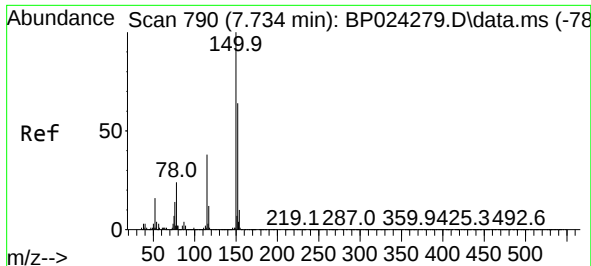
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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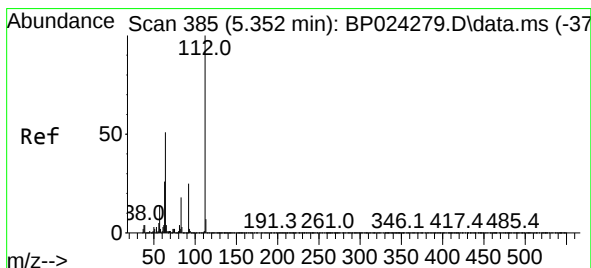
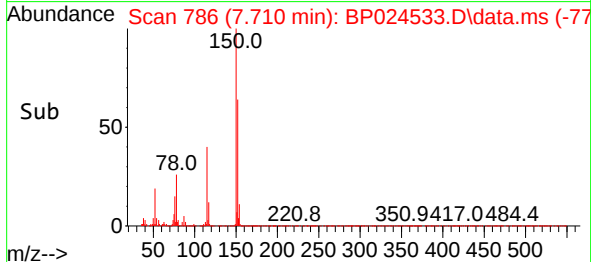
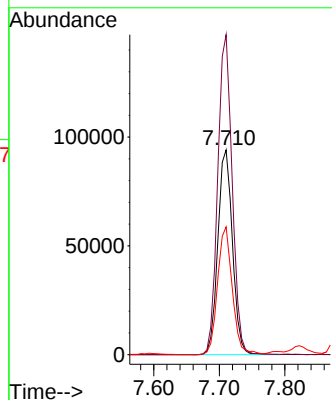
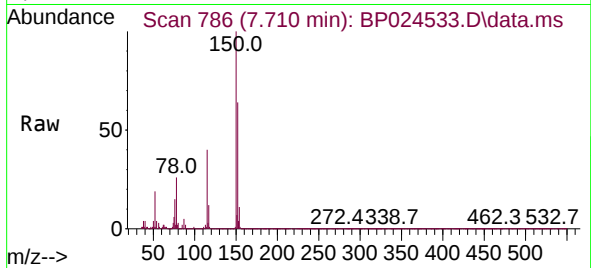




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

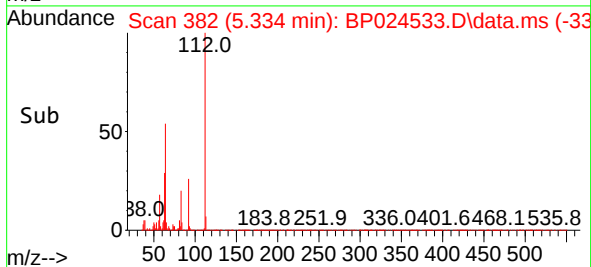
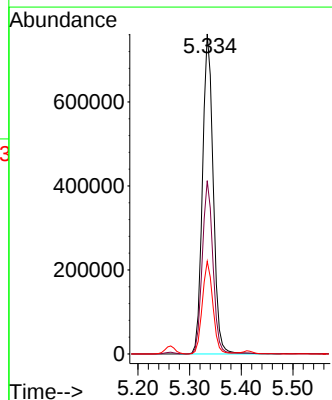
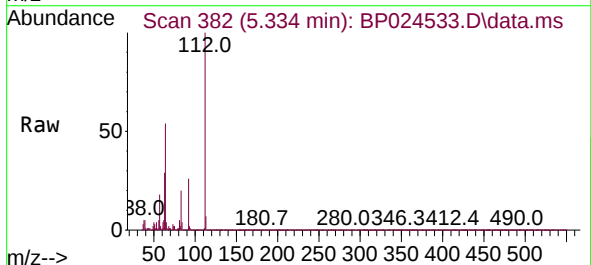
Instrument :
BNA_P
ClientSampleId :
WC-A1-04-C

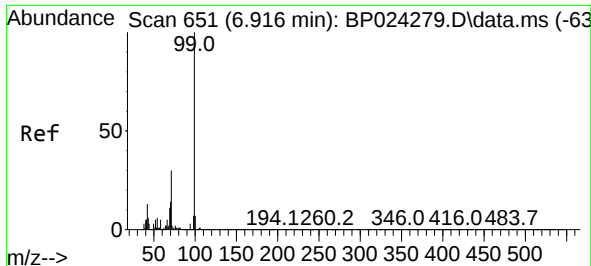
Tgt Ion:152 Resp: 145173
Ion Ratio Lower Upper
152 100
150 156.3 124.9 187.3
115 62.4 47.7 71.5



#5
2-Fluorophenol
Concen: 124.958 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

Tgt Ion:112 Resp: 1097132
Ion Ratio Lower Upper
112 100
64 54.2 41.1 61.7
63 28.9 20.6 30.8





#7

Phenol-d6

Concen: 100.873 ng

RT: 6.905 min Scan# 64

Delta R.T. -0.006 min

Lab File: BP024533.D

Acq: 05 May 2025 20:09

Instrument :

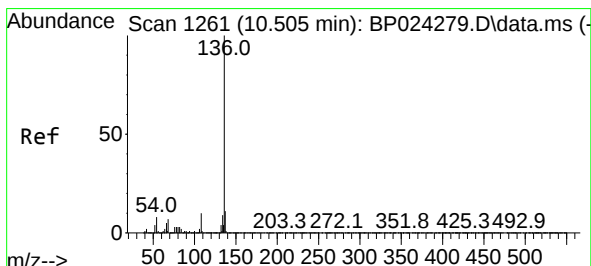
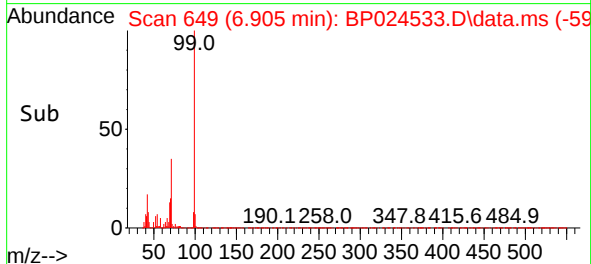
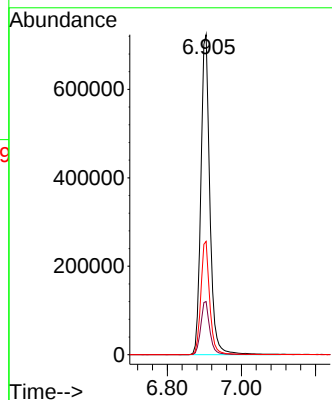
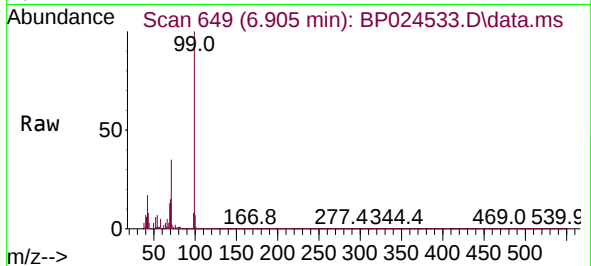
BNA_P

ClientSampleId :

WC-A1-04-C

Tgt Ion: 99 Resp: 1212717

Ion	Ratio	Lower	Upper
99	100		
42	16.6	10.6	16.0#
71	35.4	23.7	35.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.481 min Scan# 1257

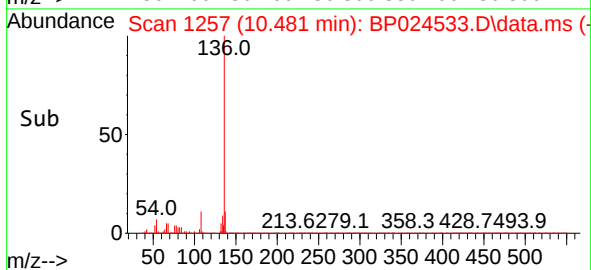
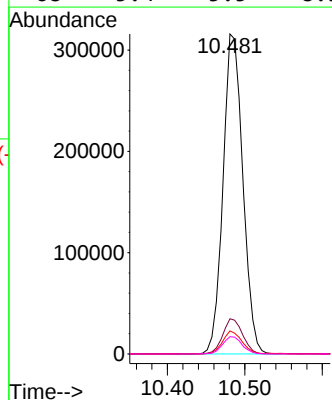
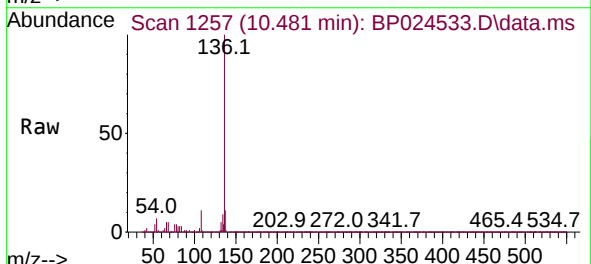
Delta R.T. -0.018 min

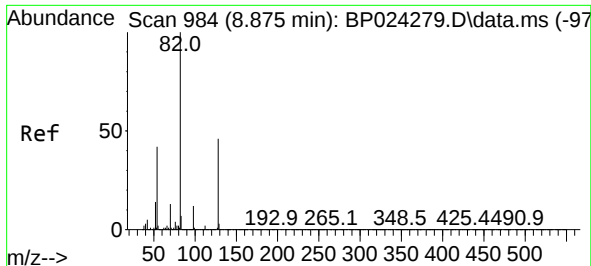
Lab File: BP024533.D

Acq: 05 May 2025 20:09

Tgt Ion:136 Resp: 561713

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.2	6.0	9.0
68	5.4	5.5	8.3#

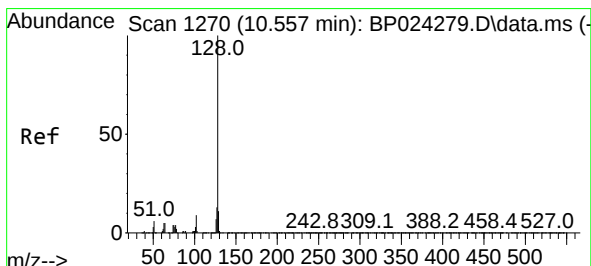
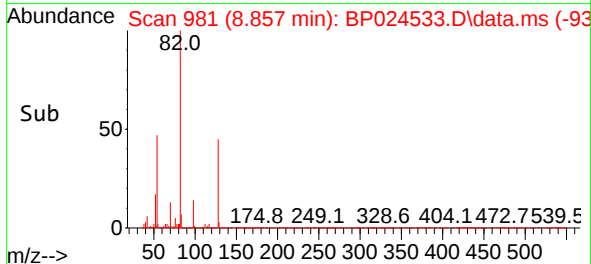
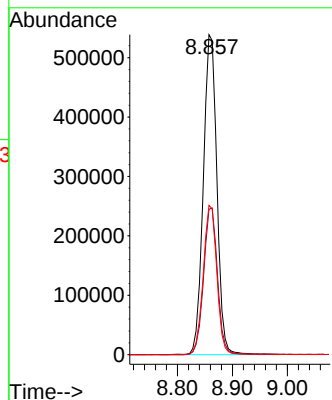
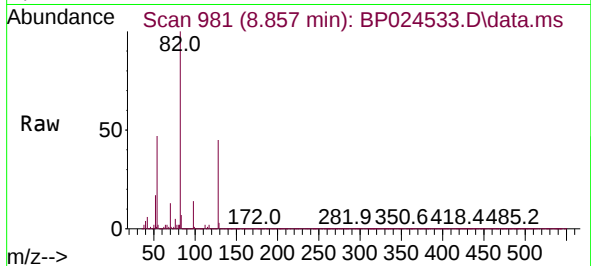




#23
Nitrobenzene-d5
Concen: 94.148 ng
RT: 8.857 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

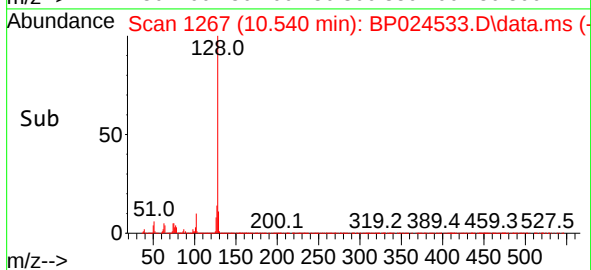
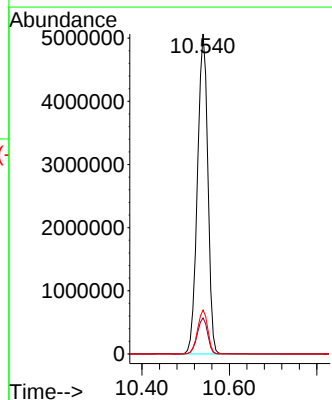
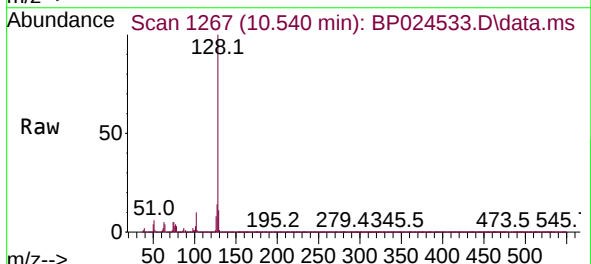
Instrument :
BNA_P
ClientSampleId :
WC-A1-04-C

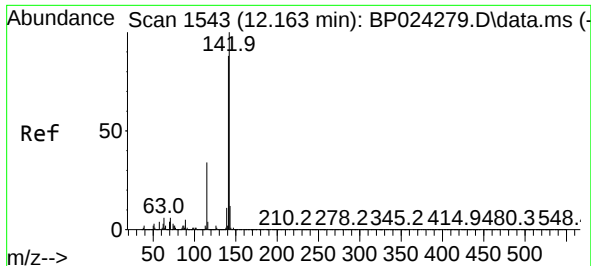
Tgt Ion: 82 Resp: 927450
Ion Ratio Lower Upper
82 100
128 45.5 36.5 54.7
54 46.7 33.4 50.2



#31
Naphthalene
Concen: 283.196 ng
RT: 10.540 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

Tgt Ion:128 Resp: 8379465
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.7 10.3 15.5

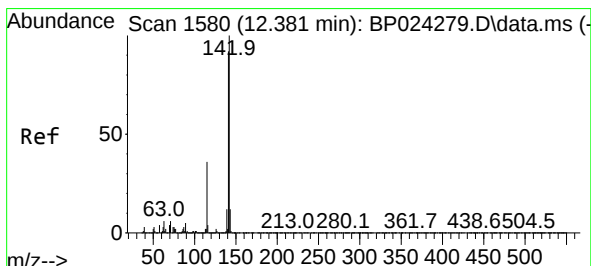
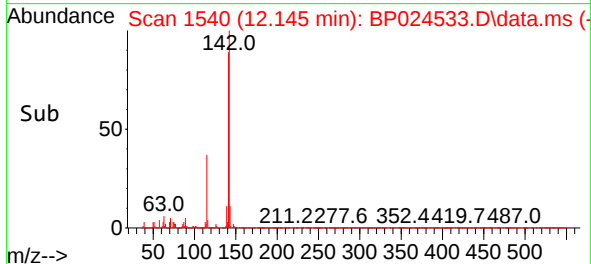
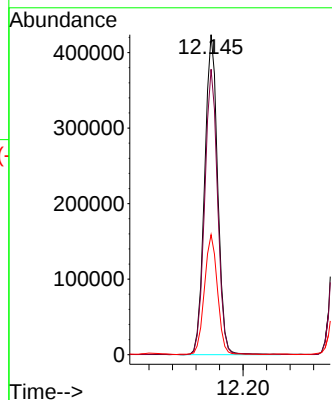
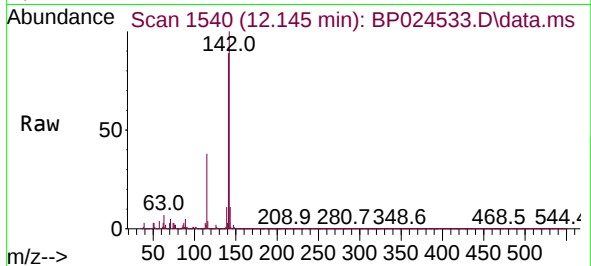




#37
2-Methylnaphthalene
Concen: 31.773 ng
RT: 12.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

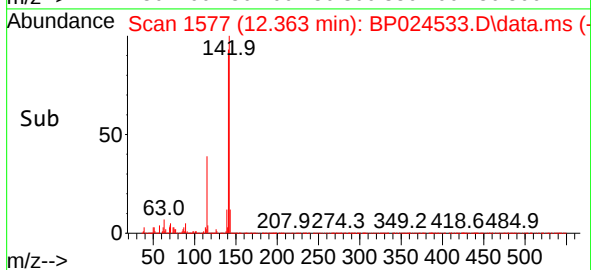
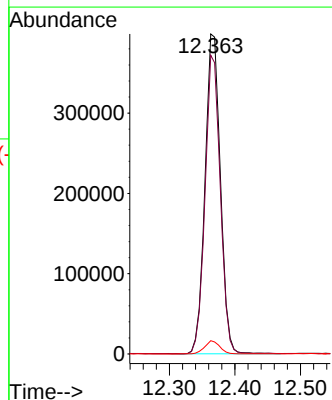
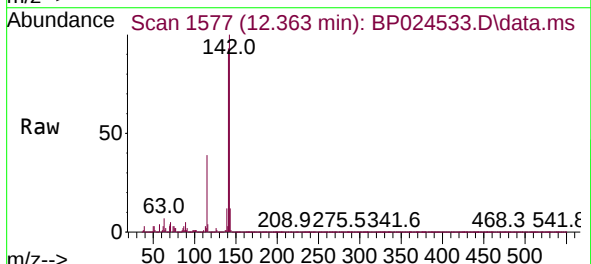
Instrument :
BNA_P
ClientSampleId :
WC-A1-04-C

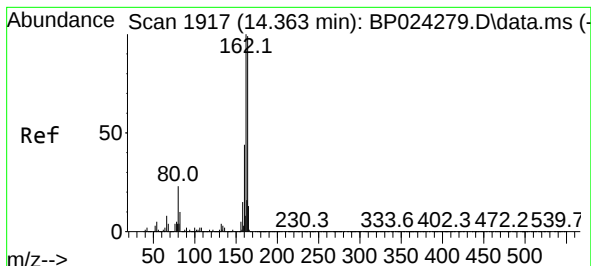
Tgt Ion:142 Resp: 651991
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 37.5 26.9 40.3



#38
1-Methylnaphthalene
Concen: 32.453 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

Tgt Ion:142 Resp: 651479
Ion Ratio Lower Upper
142 100
141 93.3 73.6 110.4
116 4.2 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.345 min Scan# 1914

Delta R.T. -0.006 min

Lab File: BP024533.D

Acq: 05 May 2025 20:09

Instrument :

BNA_P

ClientSampleId :

WC-A1-04-C

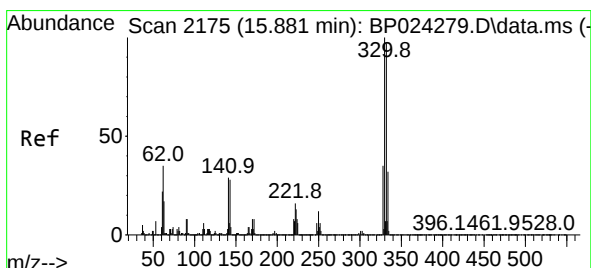
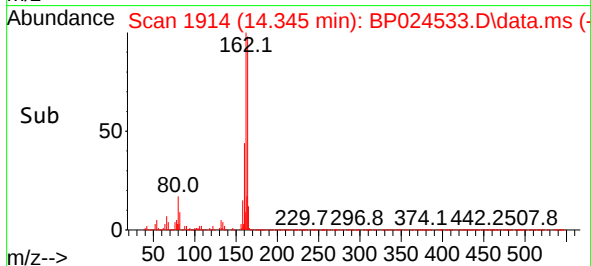
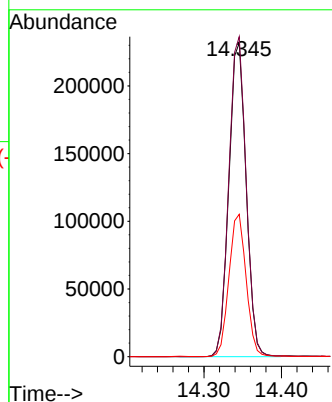
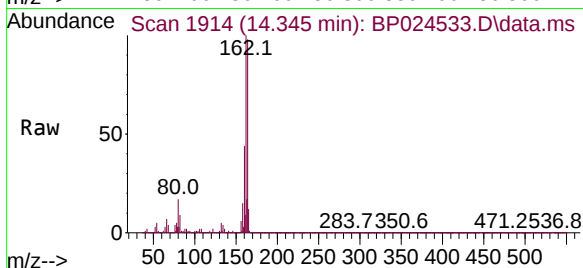
Tgt Ion:164 Resp: 359614

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

160 45.4 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 178.656 ng

RT: 15.857 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BP024533.D

Acq: 05 May 2025 20:09

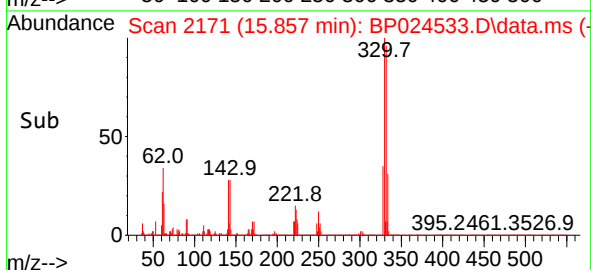
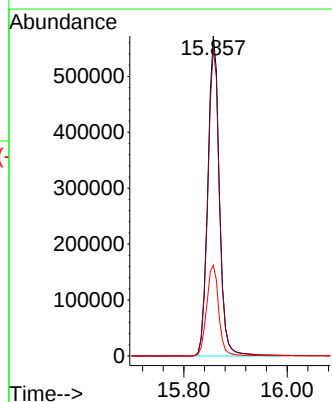
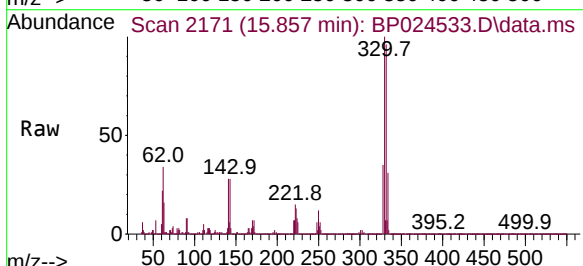
Tgt Ion:330 Resp: 888895

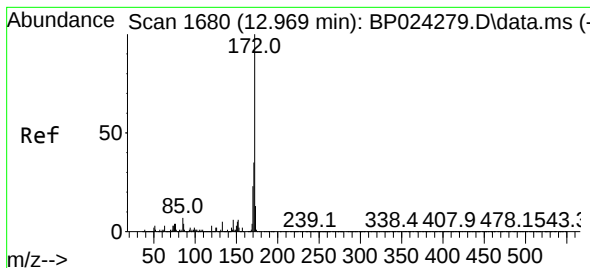
Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 29.5 24.7 37.1

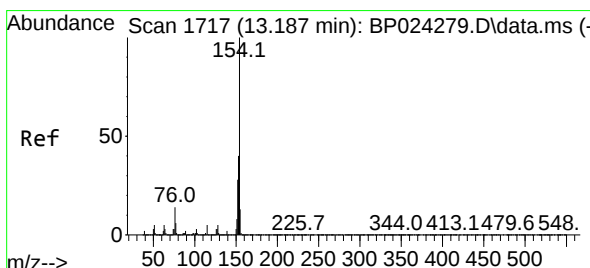
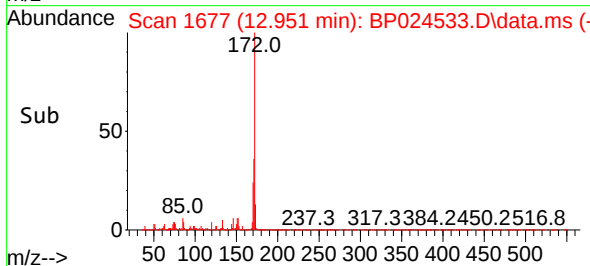
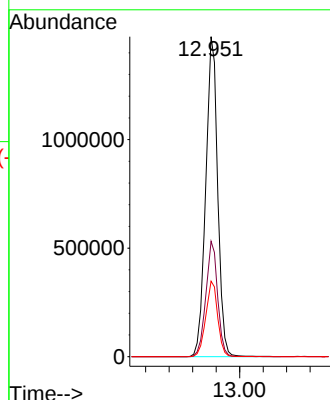
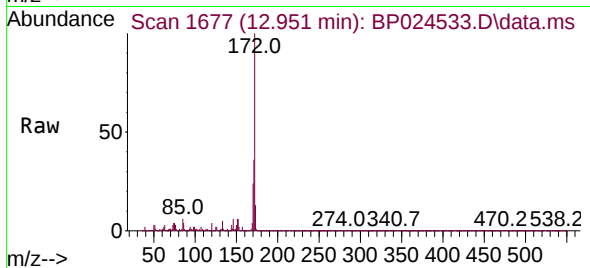




#45
2-Fluorobiphenyl
Concen: 88.307 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

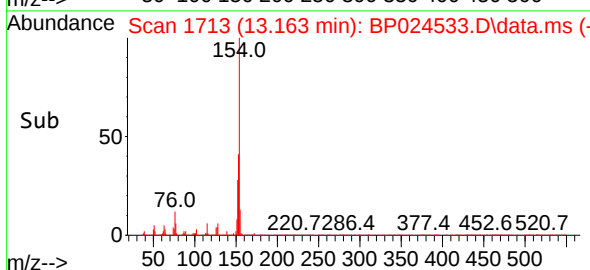
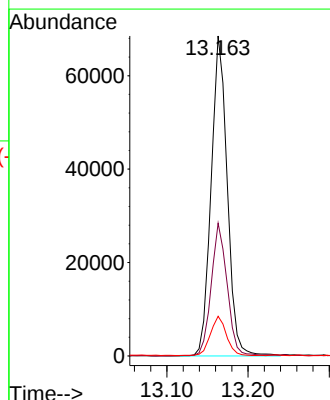
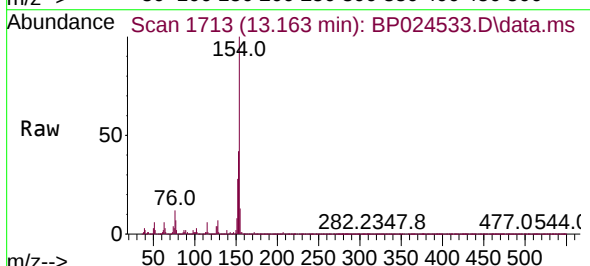
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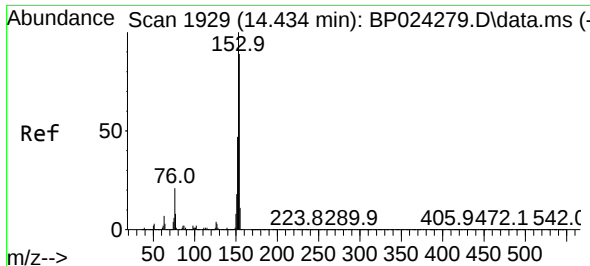
Tgt Ion:172 Resp: 2074088
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.2
170 23.6 18.6 27.8



#46
1,1'-Biphenyl
Concen: 3.567 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

Tgt Ion:154 Resp: 94300
Ion Ratio Lower Upper
154 100
153 41.5 20.3 60.3
76 12.4 0.0 33.5

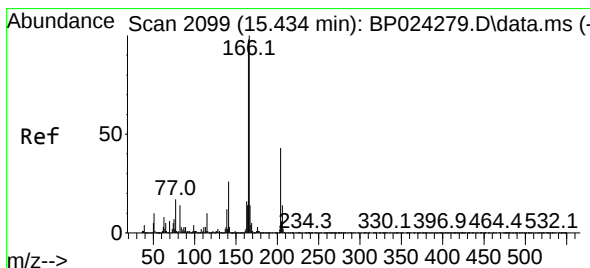
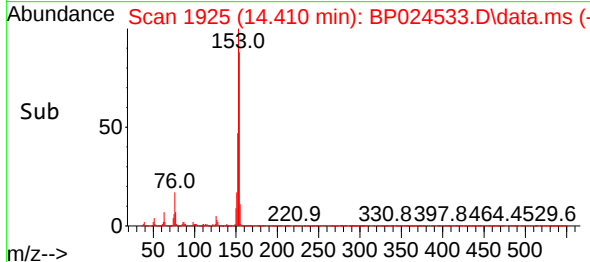
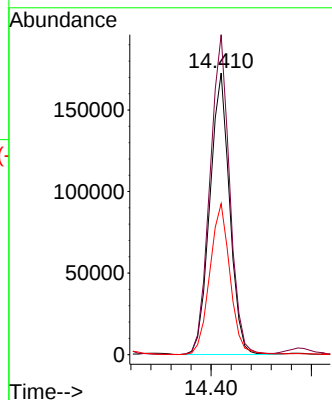
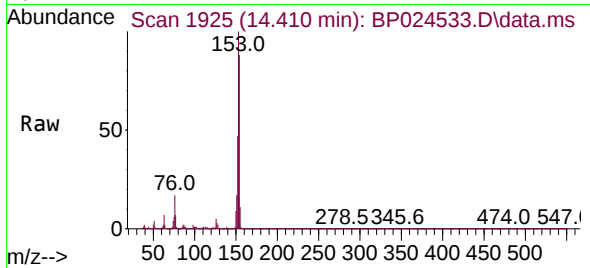




#52
Acenaphthene
Concen: 11.977 ng
RT: 14.410 min Scan# 1929
Delta R.T. -0.012 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

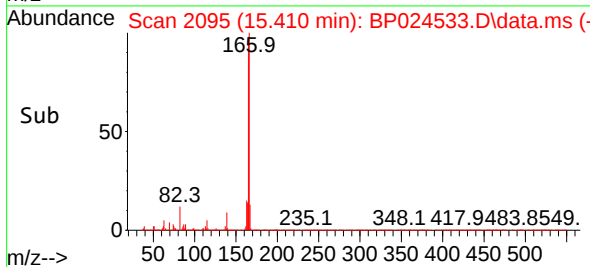
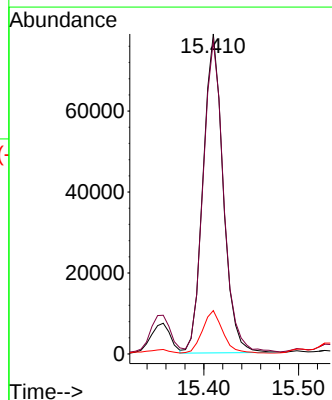
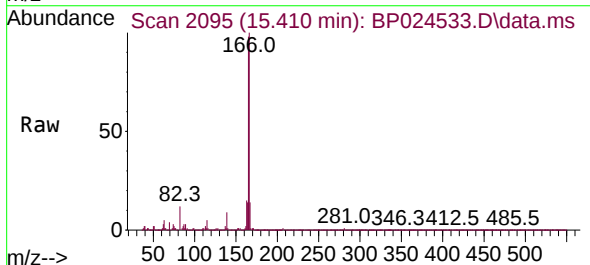
Instrument :
BNA_P
ClientSampleId :
WC-A1-04-C

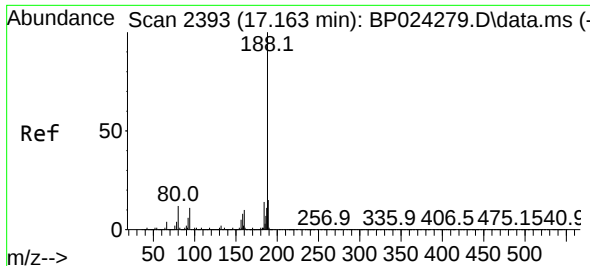
Tgt Ion:154 Resp: 236171
Ion Ratio Lower Upper
154 100
153 113.6 89.8 134.6
152 53.6 42.6 63.8



#58
Fluorene
Concen: 4.632 ng
RT: 15.410 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

Tgt Ion:166 Resp: 115578
Ion Ratio Lower Upper
166 100
165 97.9 78.1 117.1
167 13.6 10.9 16.3

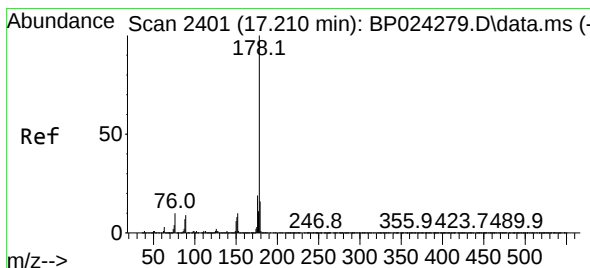
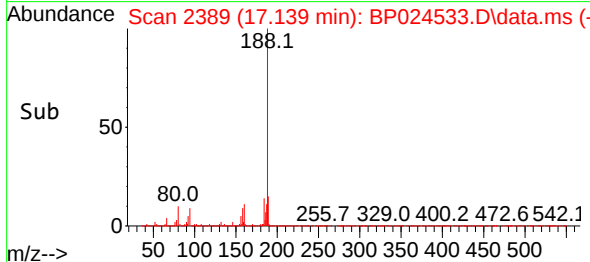
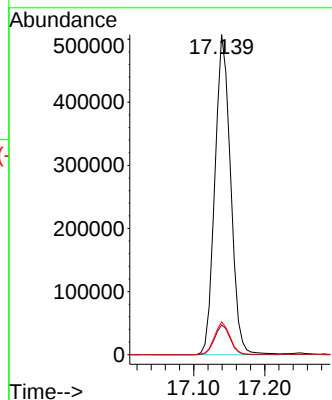
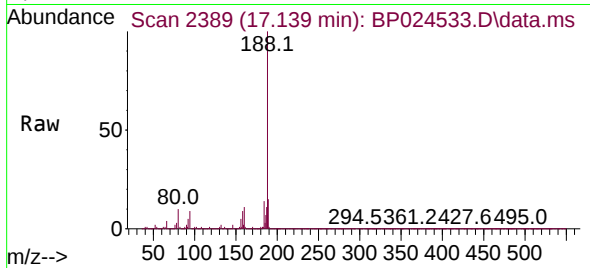




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

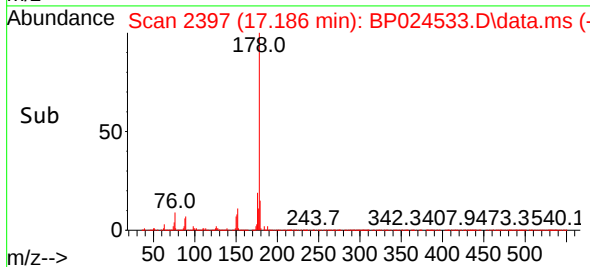
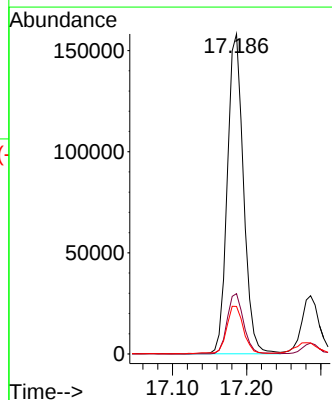
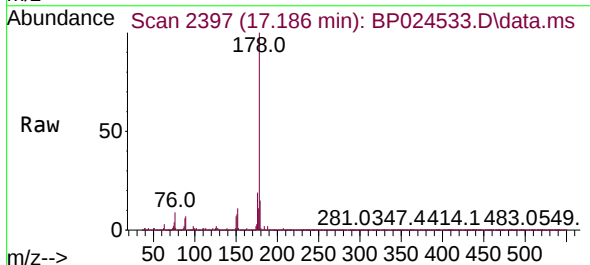
Instrument :
BNA_P
ClientSampleId :
WC-A1-04-C

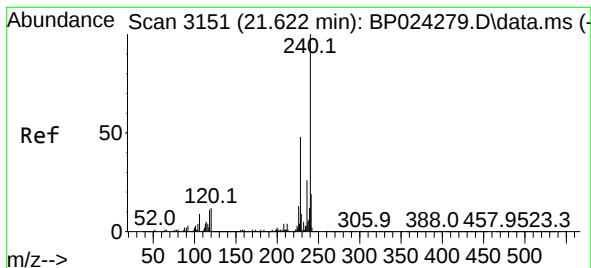
Tgt Ion:188 Resp: 778412
Ion Ratio Lower Upper
188 100
94 9.3 8.6 13.0
80 10.2 9.8 14.6



#71
Phenanthrene
Concen: 5.633 ng
RT: 17.186 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BP024533.D
Acq: 05 May 2025 20:09

Tgt Ion:178 Resp: 239201
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 14.8 12.5 18.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.592 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BP024533.D

Acq: 05 May 2025 20:09

Instrument :

BNA_P

ClientSampleId :

WC-A1-04-C

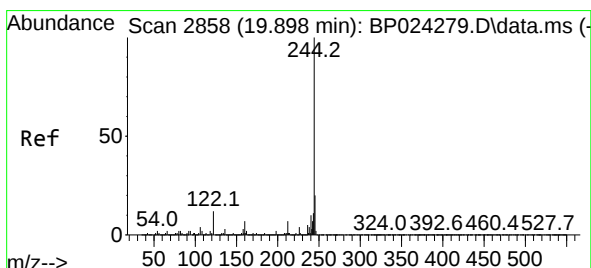
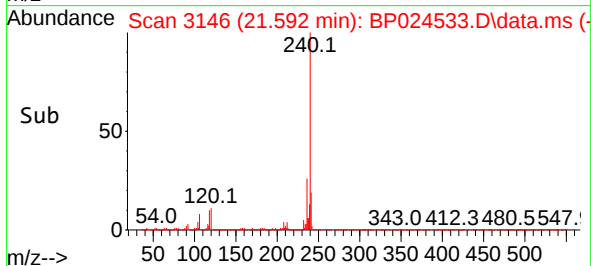
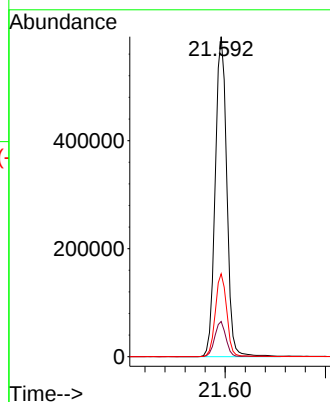
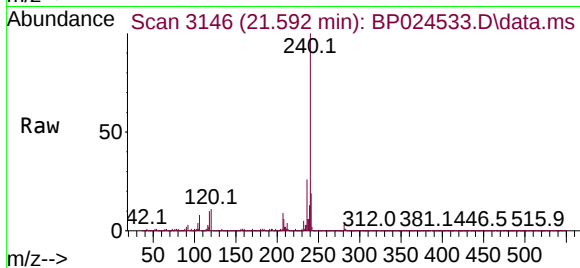
Tgt Ion:240 Resp: 945876

Ion Ratio Lower Upper

240 100

120 11.0 9.8 14.8

236 25.9 20.9 31.3



#79

Terphenyl-d14

Concen: 97.921 ng

RT: 19.869 min Scan# 2853

Delta R.T. -0.006 min

Lab File: BP024533.D

Acq: 05 May 2025 20:09

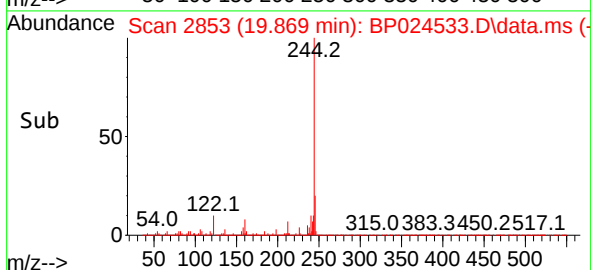
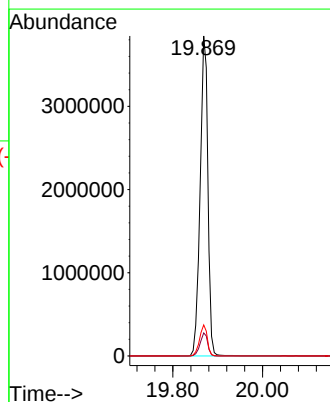
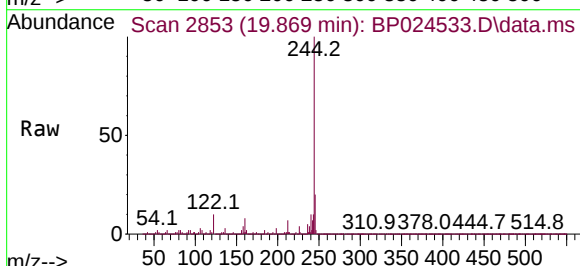
Tgt Ion:244 Resp: 4595120

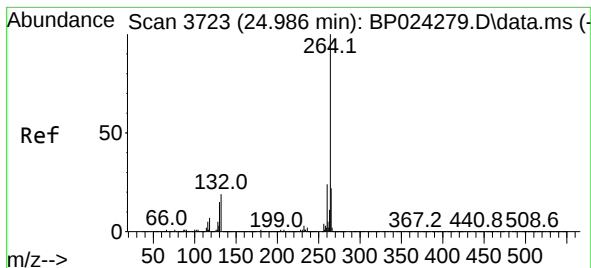
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 9.7 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.921 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024533.D

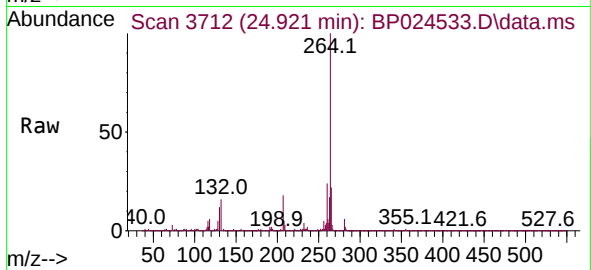
Acq: 05 May 2025 20:09

Instrument :

BNA_P

ClientSampleId :

WC-A1-04-C



Tgt Ion:264 Resp: 911497

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 22.2 17.8 26.6

