

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
 Data File : BP024944.D
 Acq On : 13 Jun 2025 14:51
 Operator : RC/JU
 Sample : Q2286-01 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LAW-25-0082-LAW-250083

Quant Time: Jun 13 15:17:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

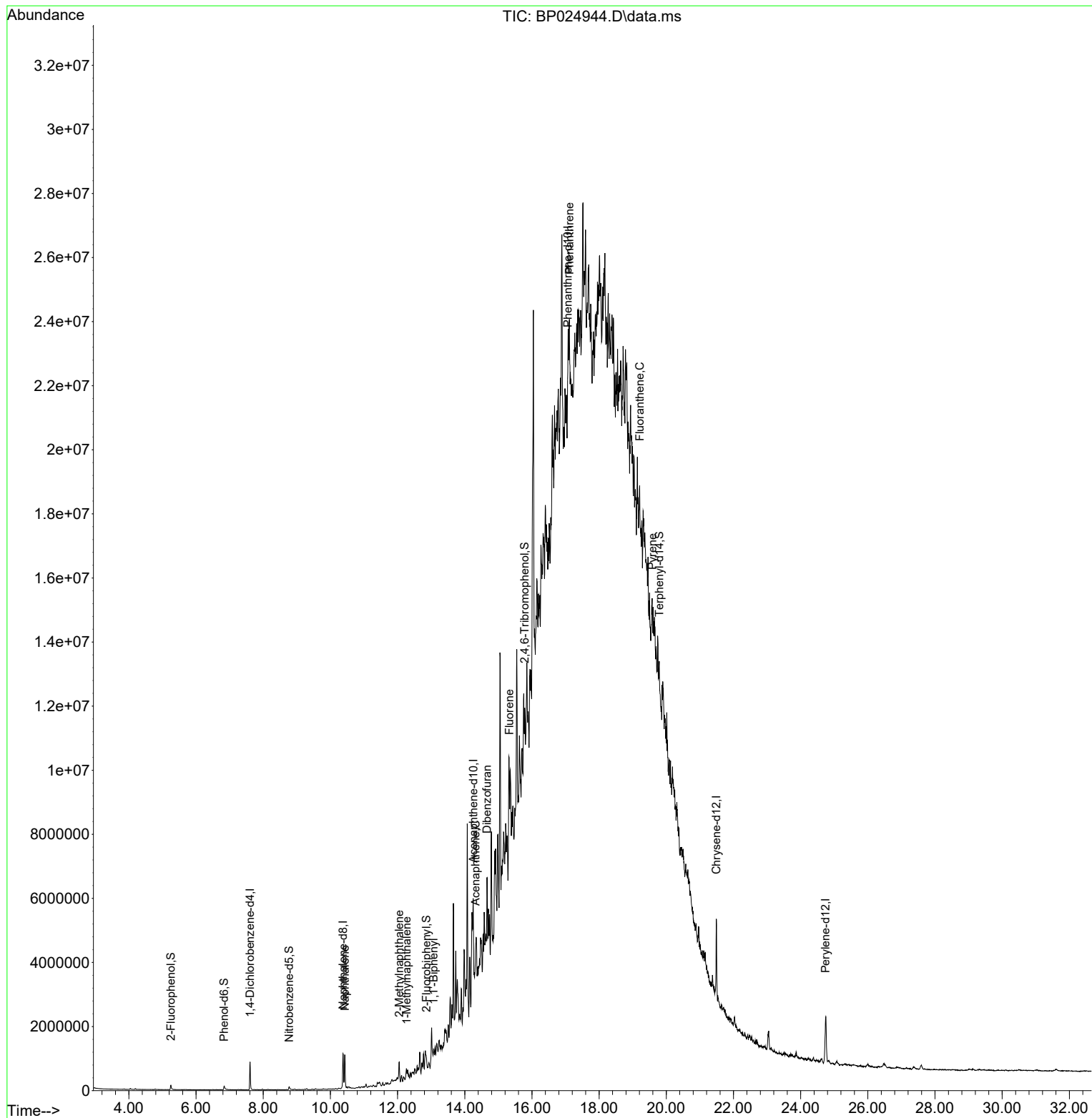
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	245599	20.000	ng	0.00
21) Naphthalene-d8	10.372	136	961065	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	595173	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1031307	20.000	ng	# 0.00
76) Chrysene-d12	21.489	240	1352680	20.000	ng	0.00
86) Perylene-d12	24.742	264	1586030	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.249	112	87793	5.967	ng	0.00
7) Phenol-d6	6.837	99	107544	5.524	ng	0.02
23) Nitrobenzene-d5	8.772	82	75392	3.812	ng	0.01
42) 2,4,6-Tribromophenol	15.784	330	66256	8.052	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	203709	4.611	ng	0.00
79) Terphenyl-d14	19.789	244	337905	4.477	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.431	128	920419	18.688	ng	100
37) 2-Methylnaphthalene	12.049	142	345230	11.051	ng	98
38) 1-Methylnaphthalene	12.266	142	171931	5.148	ng	99
46) 1,1'-Biphenyl	13.072	154	90424	2.091	ng	98
52) Acenaphthene	14.319	154	140835	4.434	ng	# 89
55) Dibenzofuran	14.660	168	243994	4.786	ng	# 54
58) Fluorene	15.325	166	269532	6.544	ng	# 79
71) Phenanthrene	17.113	178	1480436	25.976	ng	# 85
75) Fluoranthene	19.207	202	510102	7.722	ng	81
78) Pyrene	19.584	202	323201	3.825	ng	# 80

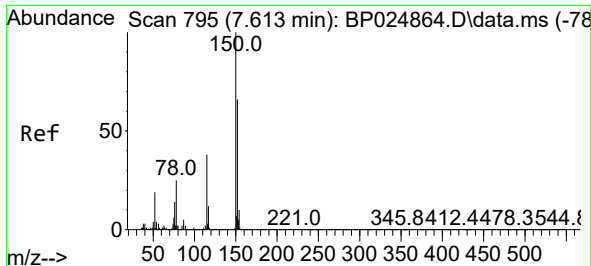
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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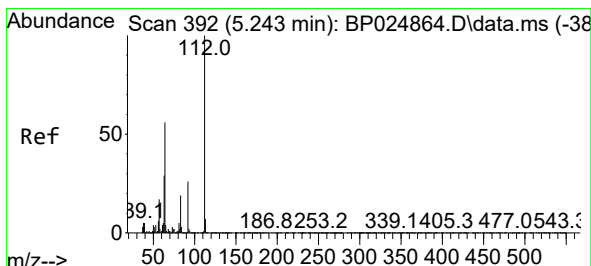
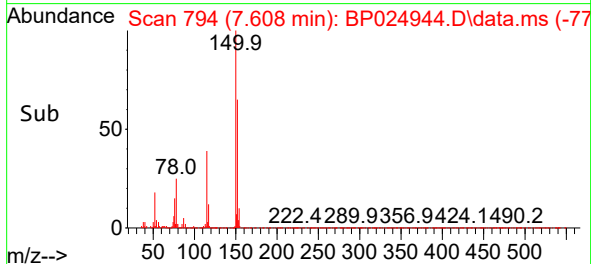
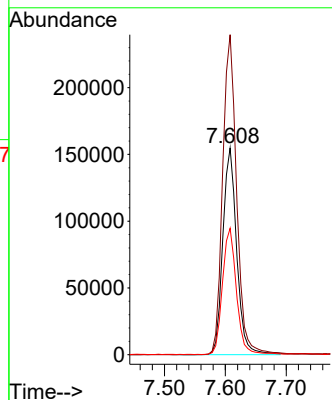
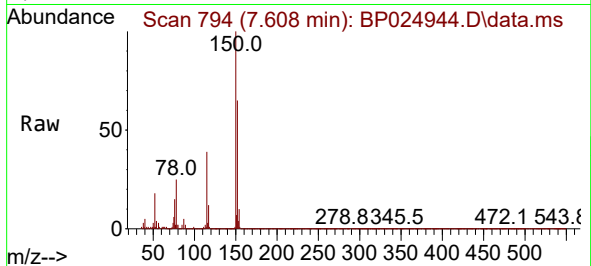




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

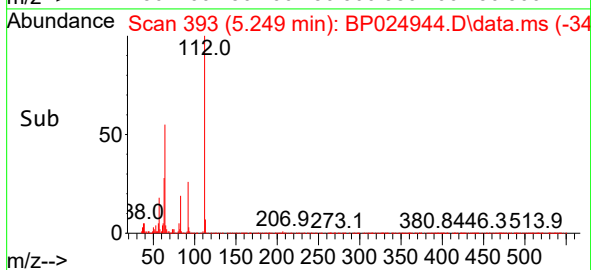
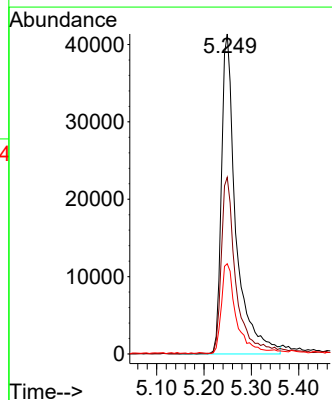
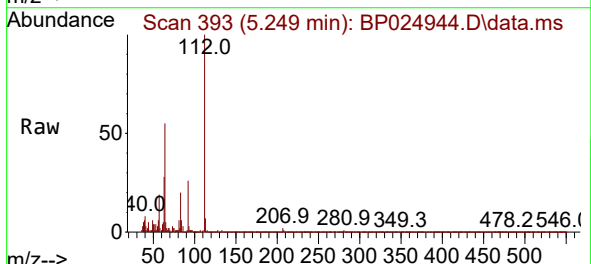
Instrument :
BNA_P
ClientSampleId :
LAW-25-0082-LAW-250083

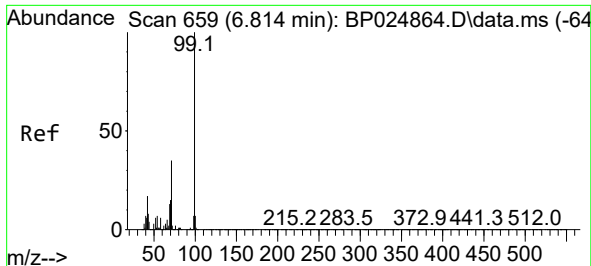
Tgt Ion:152 Resp: 245599
Ion Ratio Lower Upper
152 100
150 154.8 122.1 183.1
115 61.1 46.4 69.6



#5
2-Fluorophenol
Concen: 5.967 ng
RT: 5.249 min Scan# 393
Delta R.T. 0.006 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

Tgt Ion:112 Resp: 87793
Ion Ratio Lower Upper
112 100
64 55.2 44.7 67.1
63 28.2 23.5 35.3

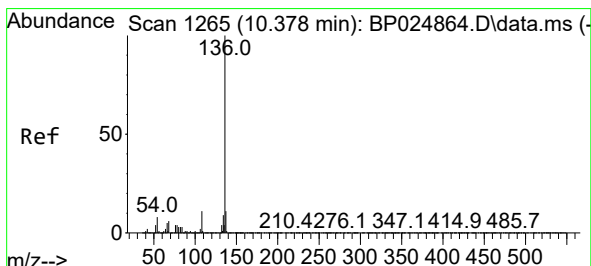
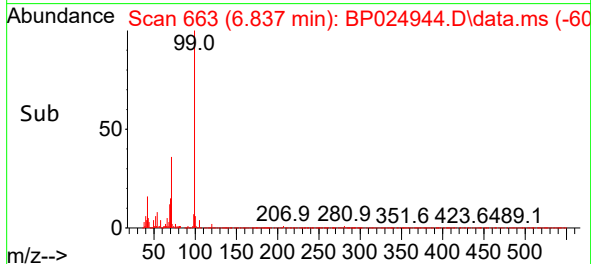
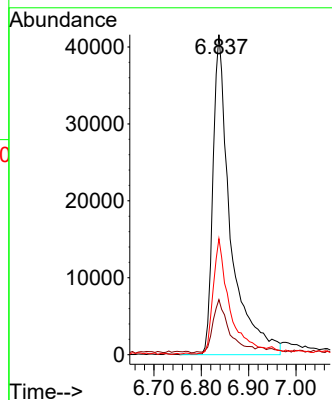
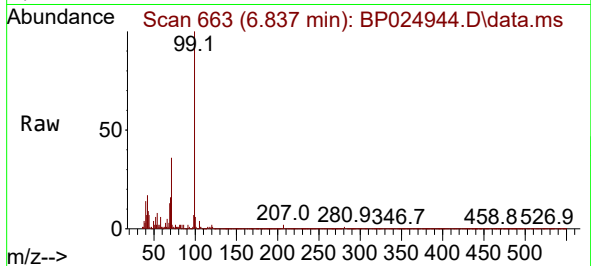




#7
Phenol-d6
Concen: 5.524 ng
RT: 6.837 min Scan# 60
Delta R.T. 0.024 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

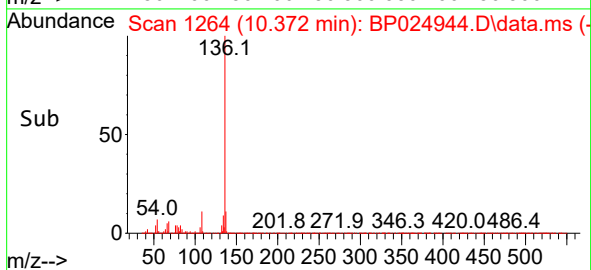
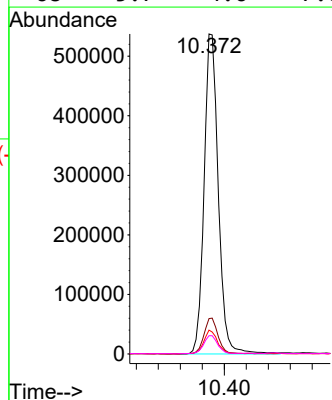
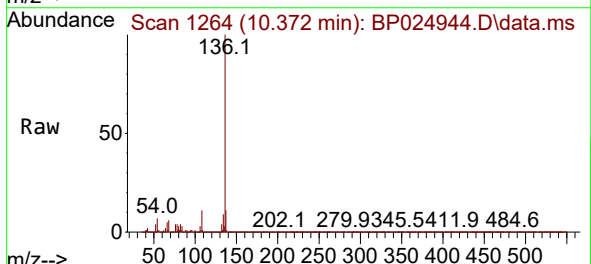
Instrument :
BNA_P
ClientSampleId :
LAW-25-0082-LAW-250083

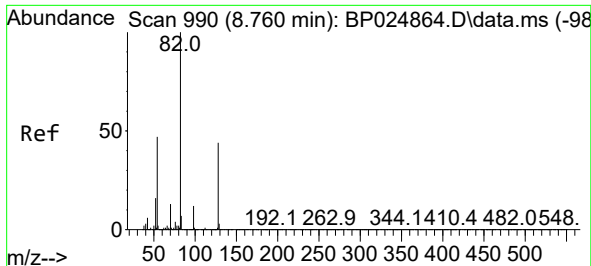
Tgt Ion: 99 Resp: 107544
Ion Ratio Lower Upper
99 100
42 17.2 13.4 20.2
71 36.3 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

Tgt Ion: 136 Resp: 961065
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 6.1 9.1
68 5.7 4.6 7.0

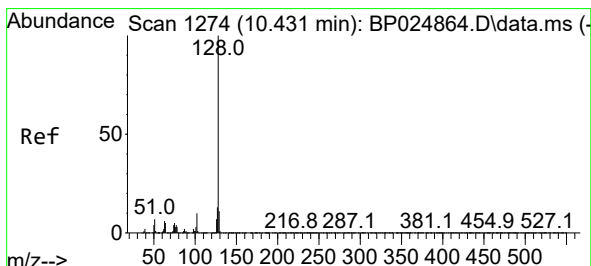
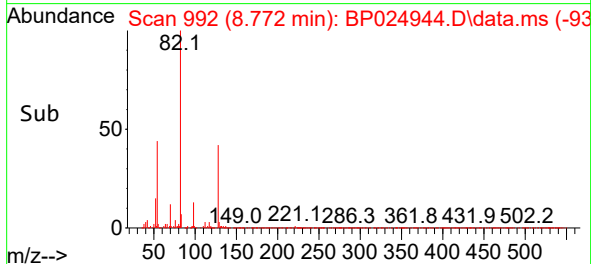
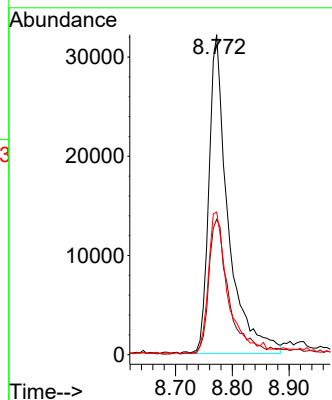
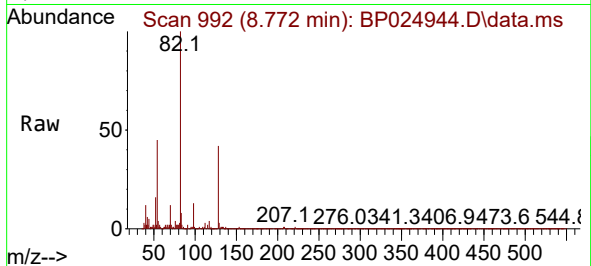




#23
Nitrobenzene-d5
Concen: 3.812 ng
RT: 8.772 min Scan# 990
Delta R.T. 0.012 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

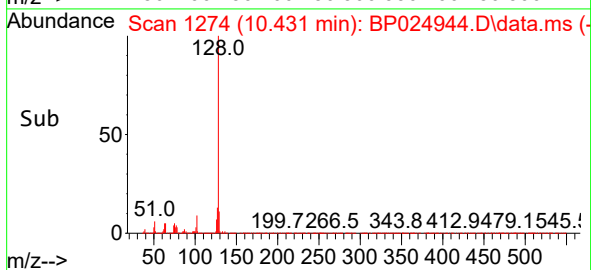
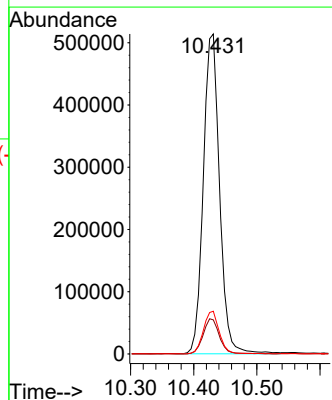
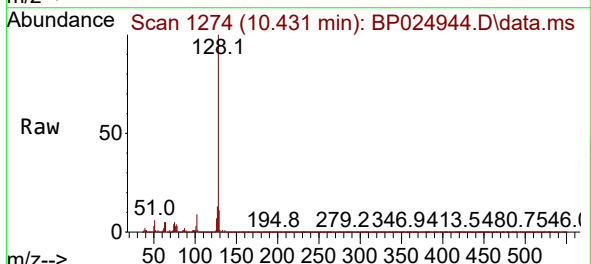
Instrument :
BNA_P
ClientSampleId :
LAW-25-0082-LAW-250083

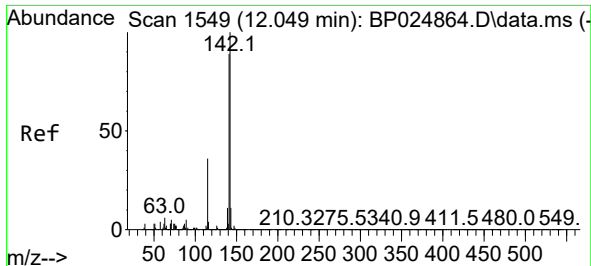
Tgt Ion: 82 Resp: 75392
Ion Ratio Lower Upper
82 100
128 42.3 35.3 52.9
54 44.6 37.4 56.0



#31
Naphthalene
Concen: 18.688 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

Tgt Ion:128 Resp: 920419
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.4 10.7 16.1

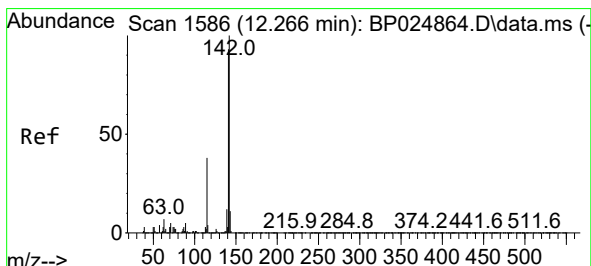
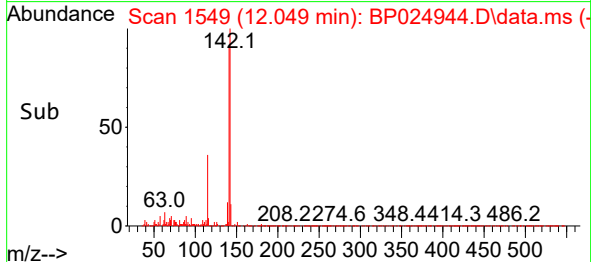
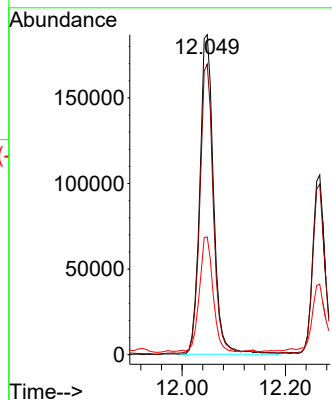
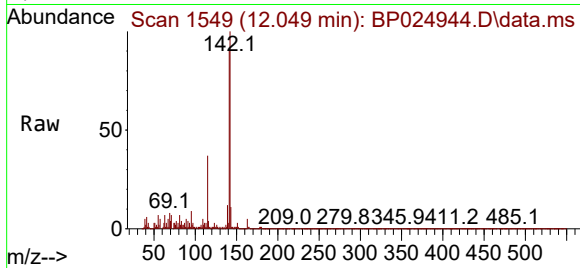




#37
2-Methylnaphthalene
Concen: 11.051 ng
RT: 12.049 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

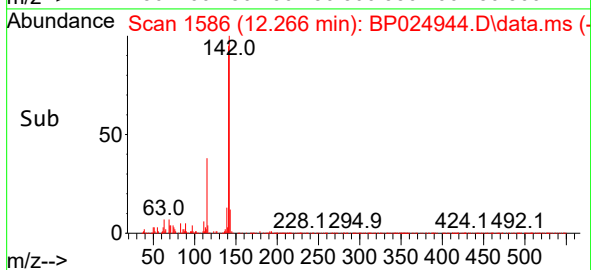
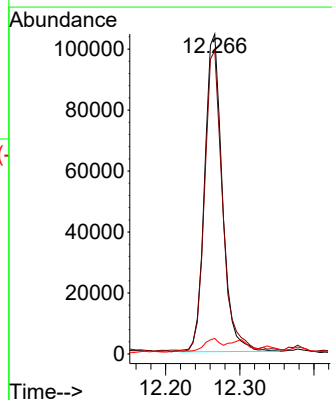
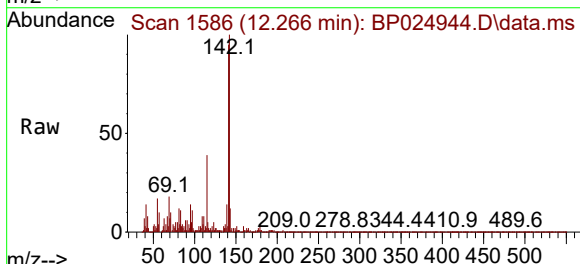
Instrument :
BNA_P
ClientSampleId :
LAW-25-0082-LAW-250083

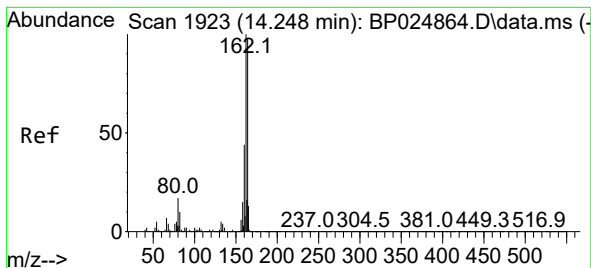
Tgt Ion:142 Resp: 345230
Ion Ratio Lower Upper
142 100
141 90.8 71.2 106.8
115 36.8 28.5 42.7



#38
1-Methylnaphthalene
Concen: 5.148 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024944.D
Acq: 13 Jun 2025 14:51

Tgt Ion:142 Resp: 171931
Ion Ratio Lower Upper
142 100
141 94.8 74.7 112.1
116 4.9 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.254 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

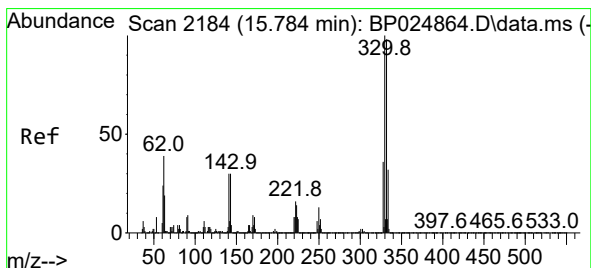
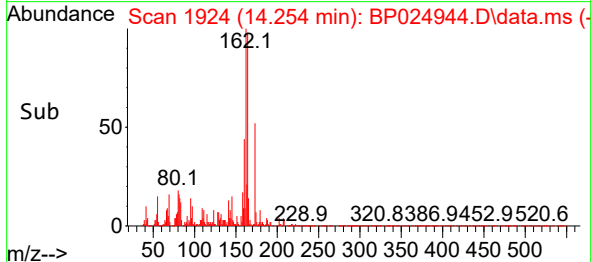
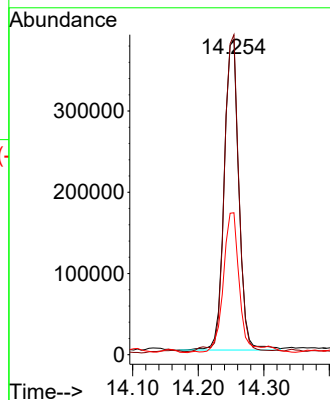
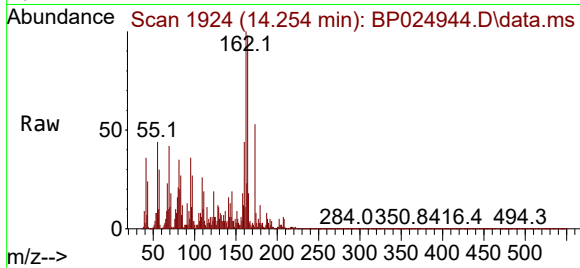
Tgt Ion:164 Resp: 595173

Ion Ratio Lower Upper

164 100

162 101.7 81.6 122.4

160 45.1 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 8.052 ng

RT: 15.784 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

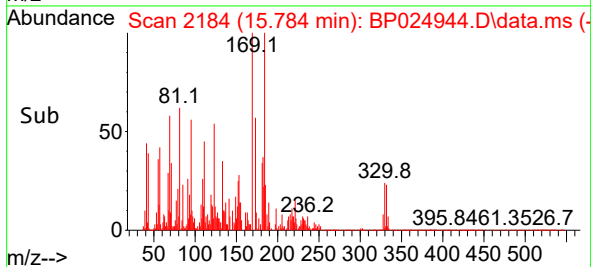
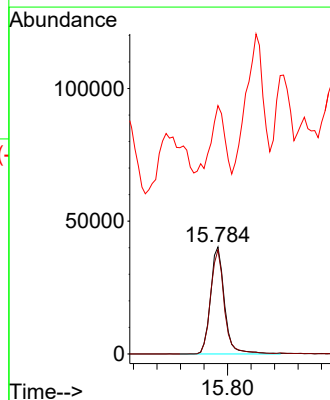
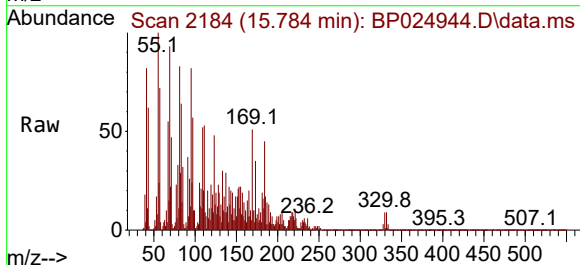
Tgt Ion:330 Resp: 66256

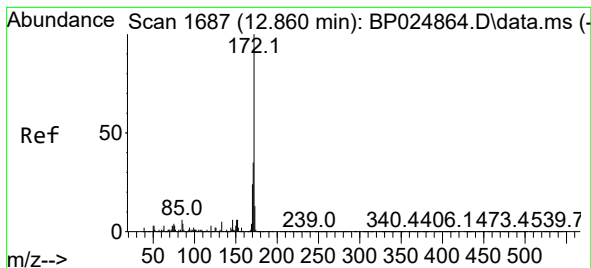
Ion Ratio Lower Upper

330 100

332 95.7 77.7 116.5

141 60.0 26.4 39.6#





#45

2-Fluorobiphenyl

Concen: 4.611 ng

RT: 12.854 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

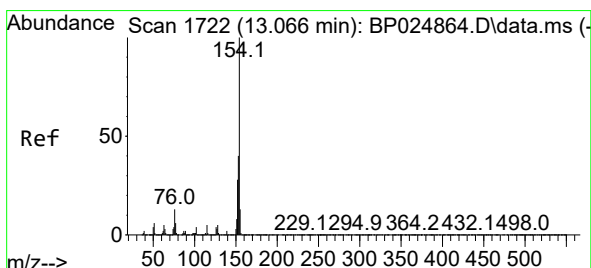
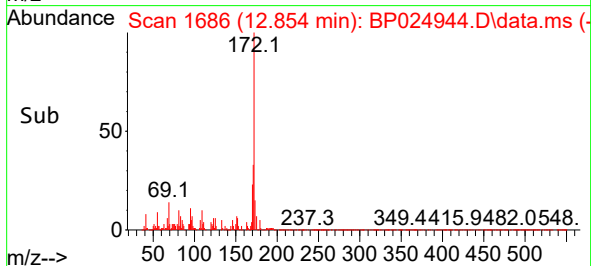
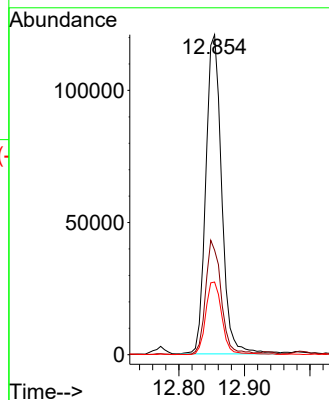
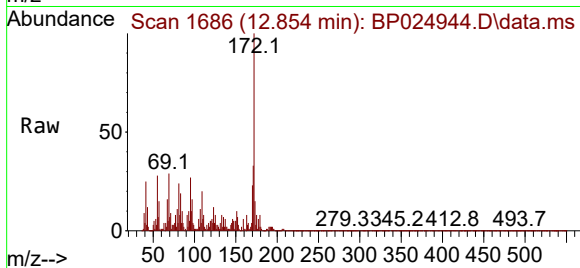
Tgt Ion:172 Resp: 203709

Ion Ratio Lower Upper

172 100

171 32.7 28.3 42.5

170 22.7 19.0 28.4



#46

1,1'-Biphenyl

Concen: 2.091 ng

RT: 13.072 min Scan# 1723

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

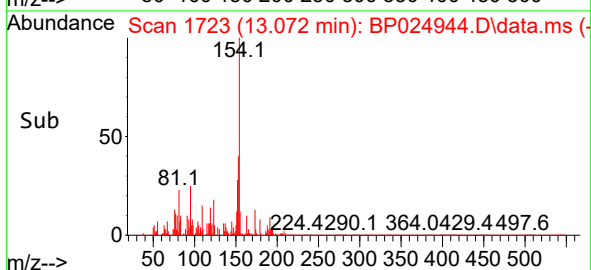
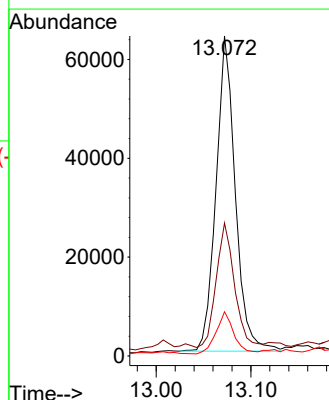
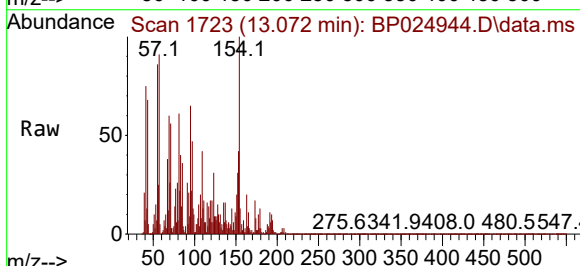
Tgt Ion:154 Resp: 90424

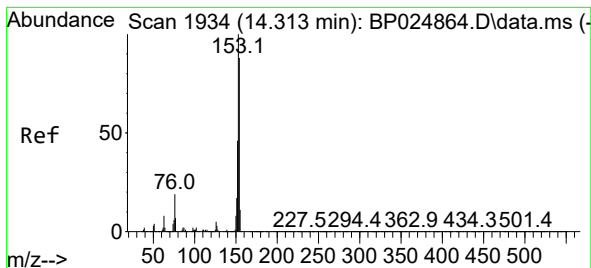
Ion Ratio Lower Upper

154 100

153 41.5 20.3 60.3

76 13.8 0.0 33.0





#52

Acenaphthene

Concen: 4.434 ng

RT: 14.319 min Scan# 1934

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

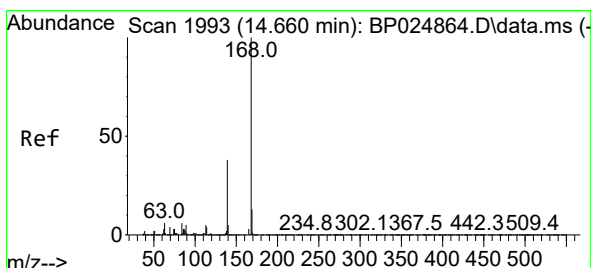
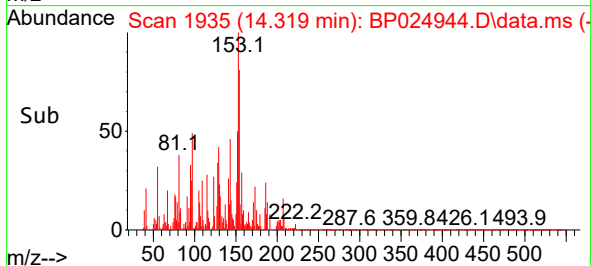
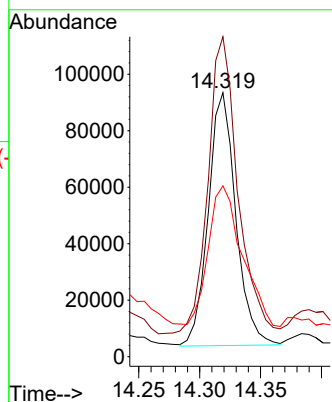
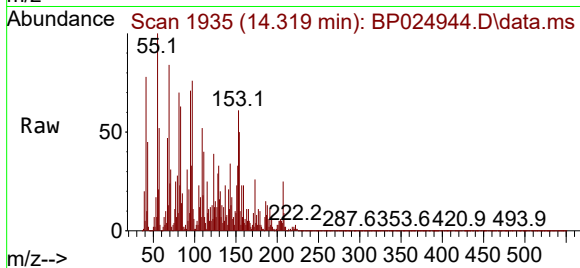
Tgt Ion:154 Resp: 140835

Ion Ratio Lower Upper

154 100

153 121.2 90.5 135.7

152 64.8 42.1 63.1#



#55

Dibenzofuran

Concen: 4.786 ng

RT: 14.660 min Scan# 1993

Delta R.T. 0.000 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

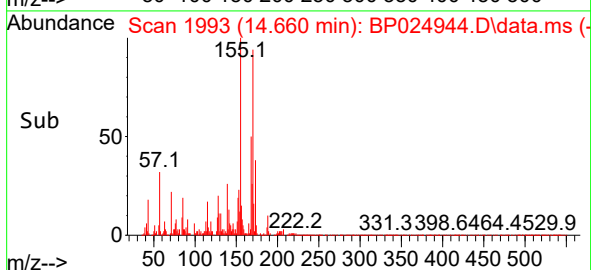
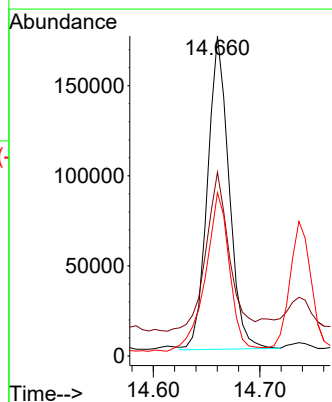
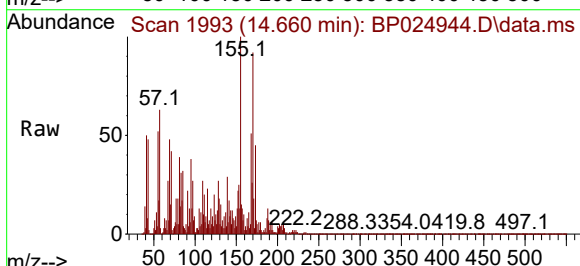
Tgt Ion:168 Resp: 243994

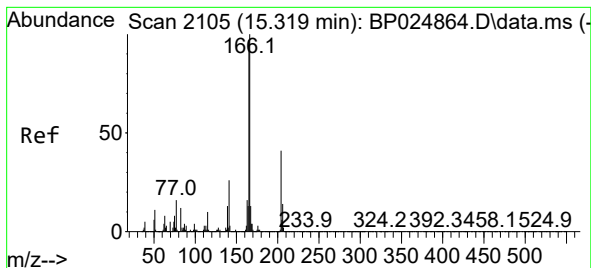
Ion Ratio Lower Upper

168 100

139 57.5 31.6 47.4#

169 51.1 10.6 15.8#





#58

Fluorene

Concen: 6.544 ng

RT: 15.325 min Scan# 2106

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

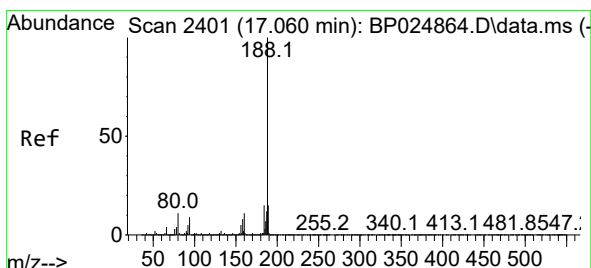
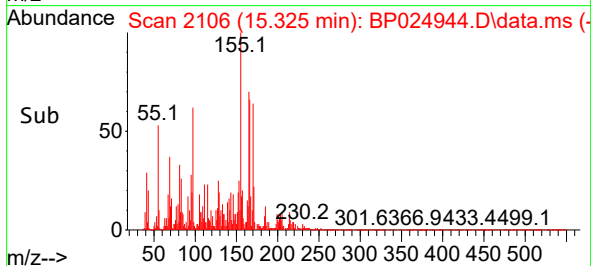
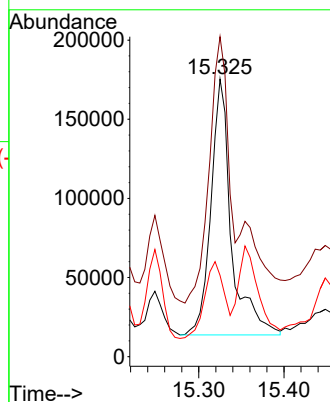
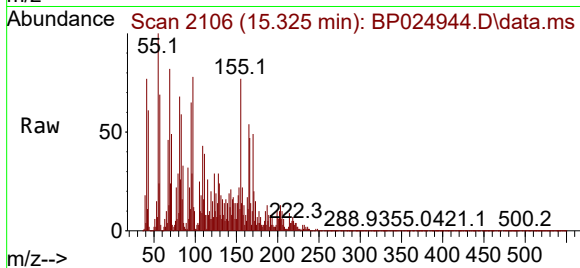
Tgt Ion:166 Resp: 269532

Ion Ratio Lower Upper

166 100

165 115.2 77.7 116.5

167 29.3 10.6 16.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.066 min Scan# 2402

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

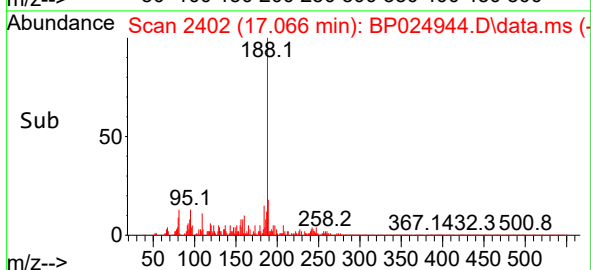
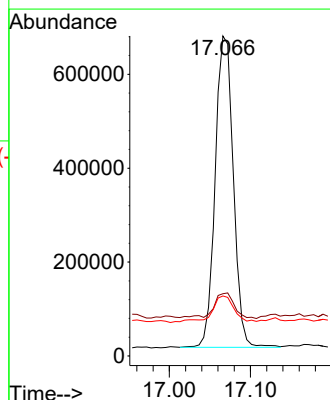
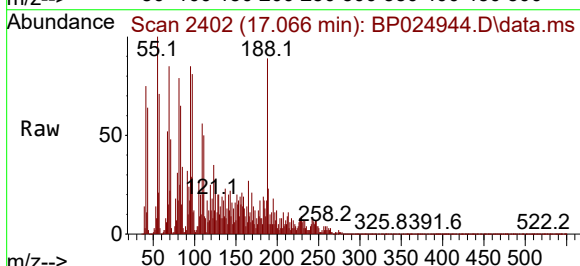
Tgt Ion:188 Resp: 1031307

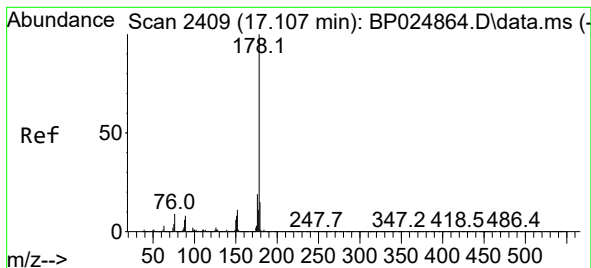
Ion Ratio Lower Upper

188 100

94 19.5 7.3 10.9#

80 18.8 8.5 12.7#





#71

Phenanthrene

Concen: 25.976 ng

RT: 17.113 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

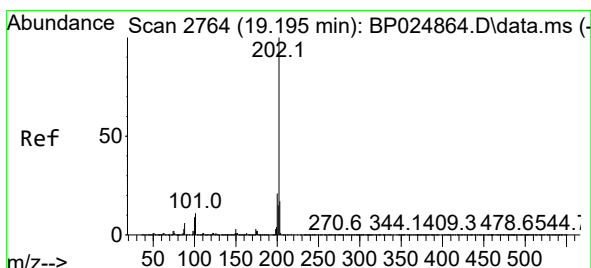
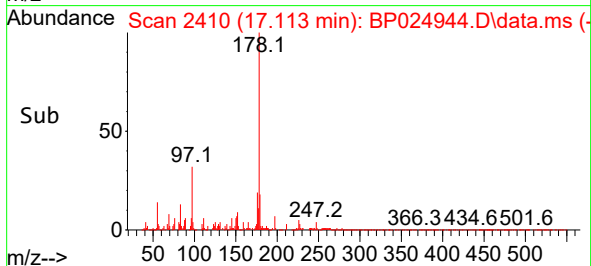
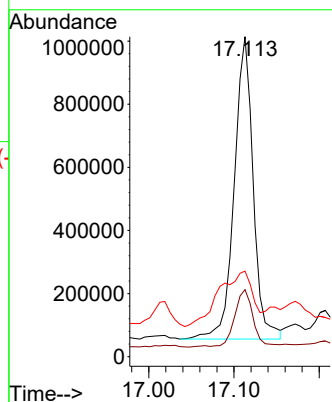
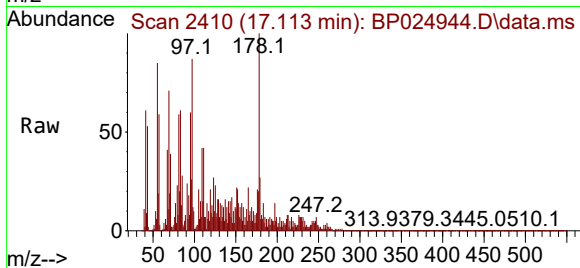
Tgt Ion:178 Resp: 1480436

Ion Ratio Lower Upper

178 100

176 20.9 15.3 22.9

179 26.7 12.1 18.1#



#75

Fluoranthene

Concen: 7.722 ng

RT: 19.207 min Scan# 2766

Delta R.T. 0.012 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

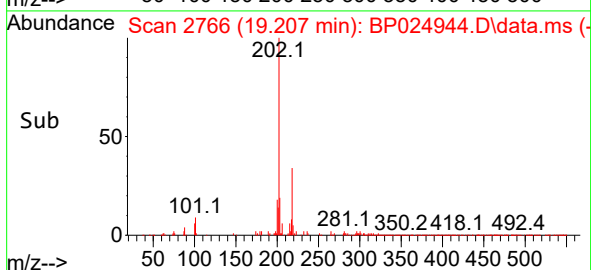
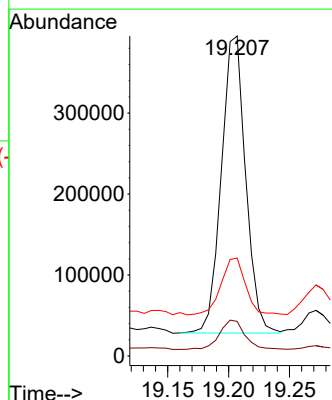
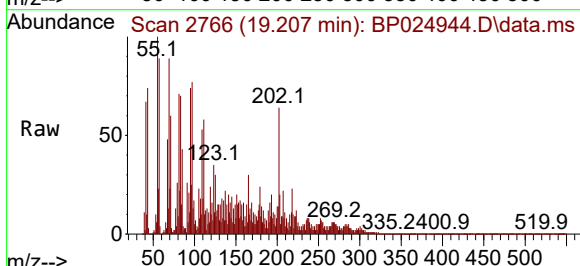
Tgt Ion:202 Resp: 510102

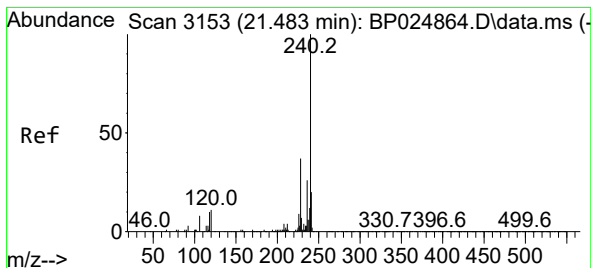
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

203 30.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3154

Delta R.T. 0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

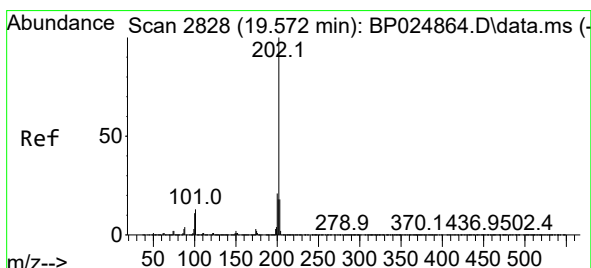
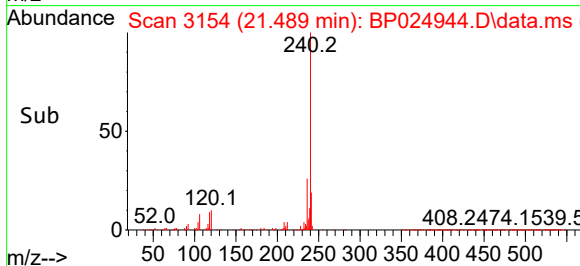
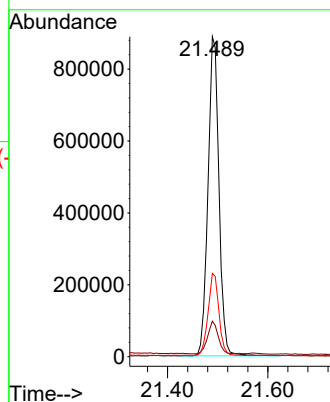
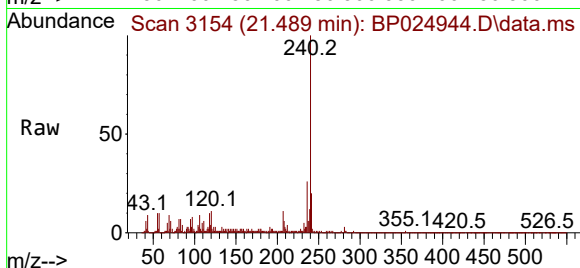
Tgt Ion:240 Resp: 1352680

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 26.1 20.9 31.3



#78

Pyrene

Concen: 3.825 ng

RT: 19.584 min Scan# 2830

Delta R.T. 0.012 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

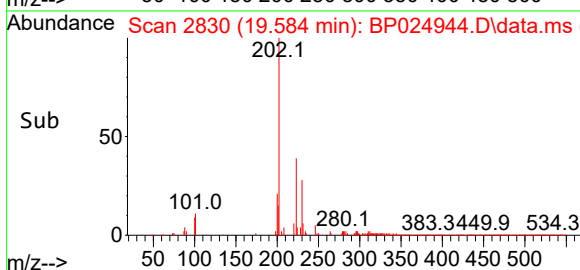
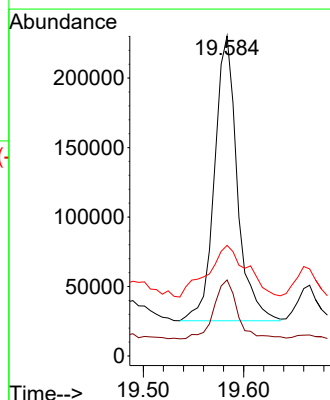
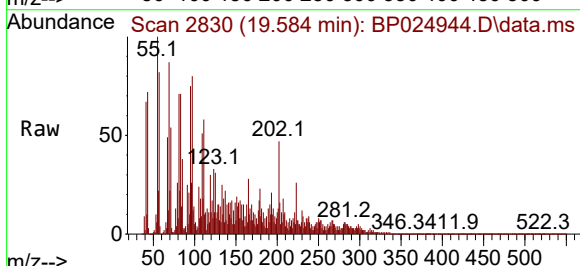
Tgt Ion:202 Resp: 323201

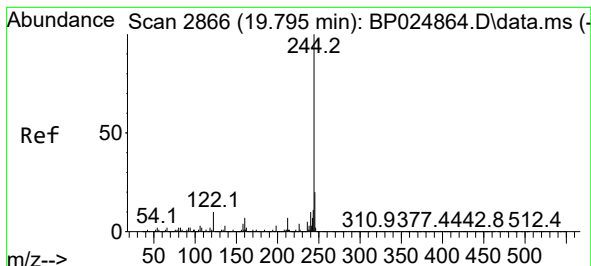
Ion Ratio Lower Upper

202 100

200 23.7 17.1 25.7

203 34.6 14.0 21.0#





#79

Terphenyl-d14

Concen: 4.477 ng

RT: 19.789 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Instrument :

BNA_P

ClientSampleId :

LAW-25-0082-LAW-250083

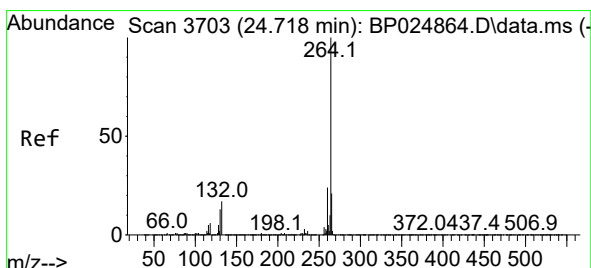
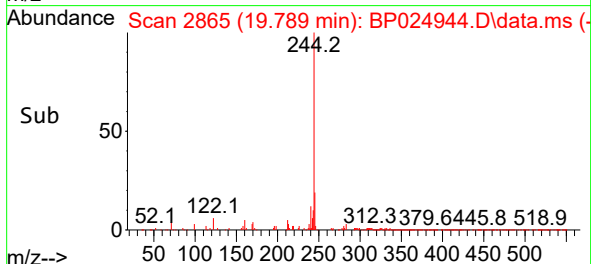
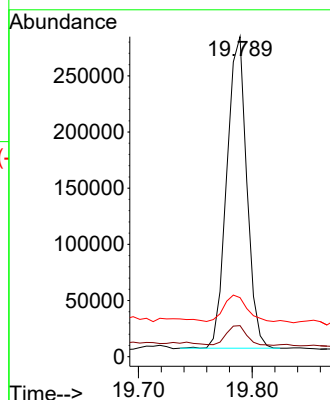
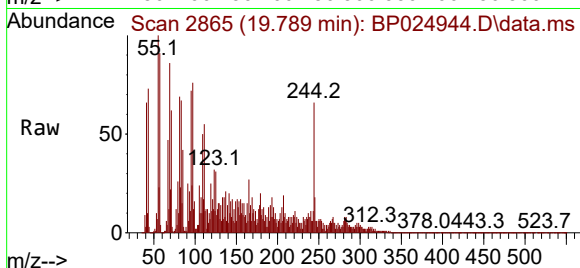
Tgt Ion:244 Resp: 337905

Ion Ratio Lower Upper

244 100

212 9.7 5.6 8.4#

122 18.5 7.7 11.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.742 min Scan# 3707

Delta R.T. 0.024 min

Lab File: BP024944.D

Acq: 13 Jun 2025 14:51

Tgt Ion:264 Resp: 1586030

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.1 17.4 26.0

