

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
 Data File : BP024945.D
 Acq On : 13 Jun 2025 15:32
 Operator : RC/JU
 Sample : Q2286-03 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LAW-25-0084

Quant Time: Jun 13 16:00:44 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)

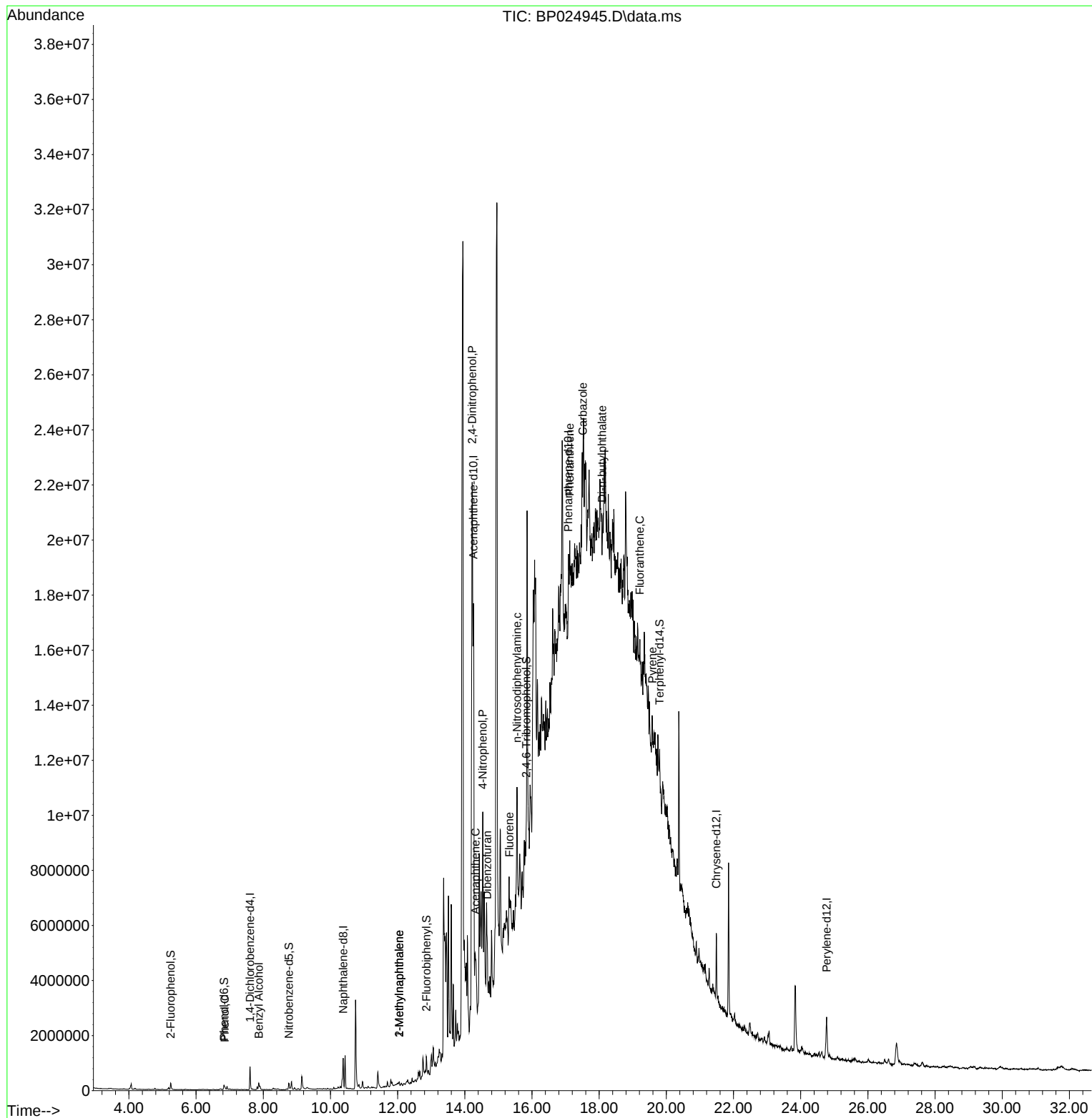
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	231983	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	934179	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	492158	20.000	ng	0.01
64) Phenanthrene-d10	17.083	188	1008506	20.000	ng	# 0.02
76) Chrysene-d12	21.489	240	1265349	20.000	ng	0.00
86) Perylene-d12	24.771	264	1408935	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	131307	9.448	ng	0.00
7) Phenol-d6	6.831	99	129400	7.037	ng	0.02
23) Nitrobenzene-d5	8.760	82	155734	8.101	ng	0.00
42) 2,4,6-Tribromophenol	15.830	330	122436	17.994	ng	0.05
45) 2-Fluorobiphenyl	12.854	172	412861	11.301	ng	0.00
79) Terphenyl-d14	19.801	244	651842	9.233	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.854	94	49231	2.597	ng	97
15) Benzyl Alcohol	7.866	79	127659	9.046	ng	96
37) 2-Methylnaphthalene	12.048	142	66139	2.178	ng	97
38) 1-Methylnaphthalene	12.048	142	66139	2.037	ng	98
52) Acenaphthene	14.319	154	54111	2.060	ng	# 93
54) 2,4-Dinitrophenol	14.225	184	167571	36.157	ng	# 36
55) Dibenzofuran	14.672	168	111270	2.639	ng	# 42
56) 4-Nitrophenol	14.530	139	40591	10.913	ng	# 1
58) Fluorene	15.330	166	129508	3.803	ng	# 68
66) n-Nitrosodiphenylamine	15.554	169	246409	7.883	ng	# 46
71) Phenanthrene	17.124	178	1083429	19.440	ng	# 83
73) Carbazole	17.513	167	126957	2.427	ng	# 1
74) Di-n-butylphthalate	18.089	149	263672	4.068	ng	# 68
75) Fluoranthene	19.213	202	406759	6.297	ng	80
78) Pyrene	19.589	202	267850	3.388	ng	# 79

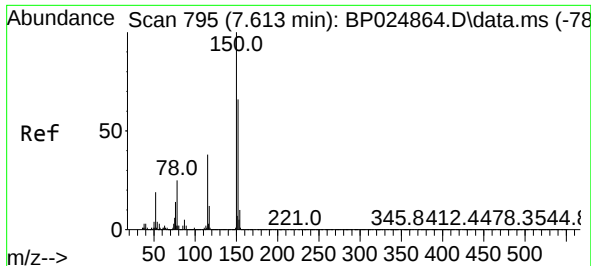
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 16:00:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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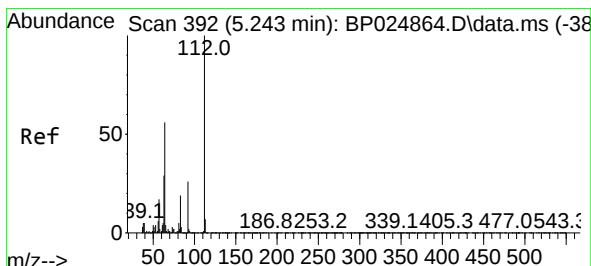
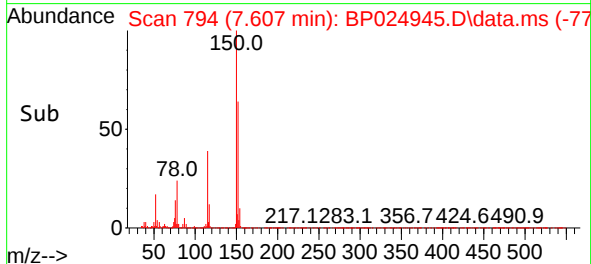
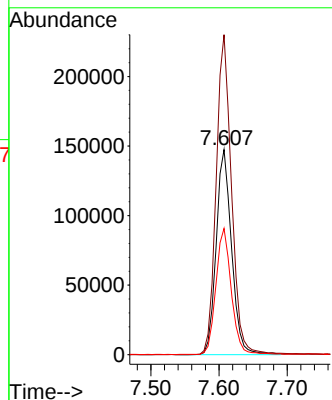
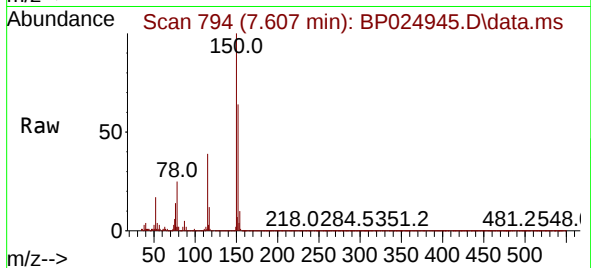




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.607 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BP024945.D
 Acq: 13 Jun 2025 15:32

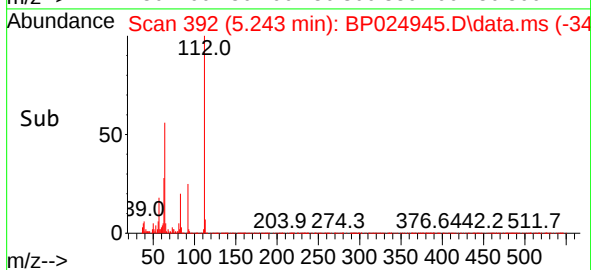
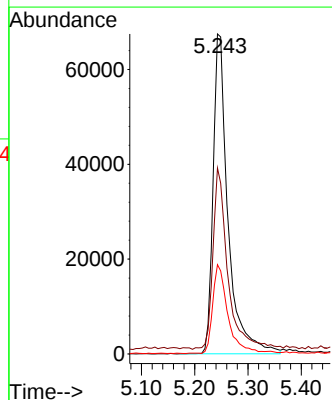
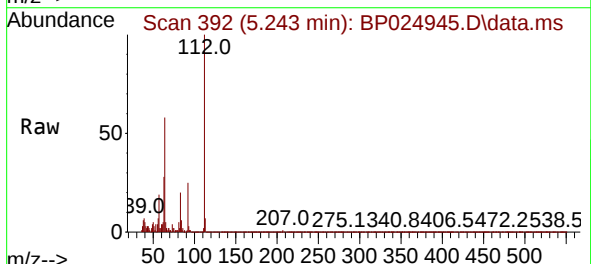
Instrument :
 BNA_P
 ClientSampleId :
 LAW-25-0084

Tgt Ion:152 Resp: 231983
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.1 183.1
 115 61.6 46.4 69.6



#5
 2-Fluorophenol
 Concen: 9.448 ng
 RT: 5.243 min Scan# 392
 Delta R.T. -0.000 min
 Lab File: BP024945.D
 Acq: 13 Jun 2025 15:32

Tgt Ion:112 Resp: 131307
 Ion Ratio Lower Upper
 112 100
 64 58.1 44.7 67.1
 63 27.9 23.5 35.3

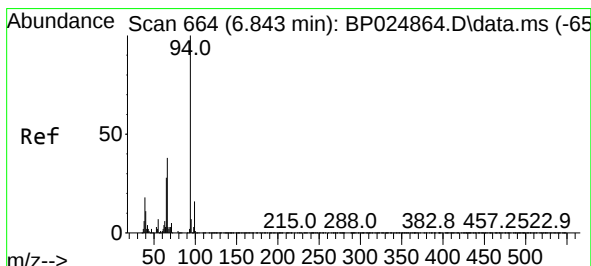
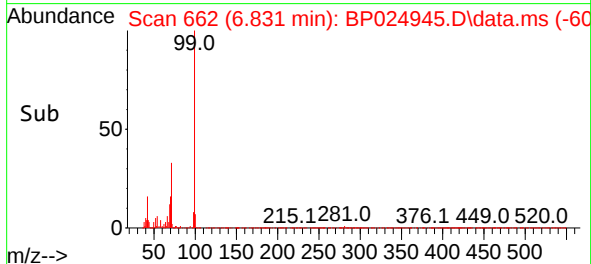
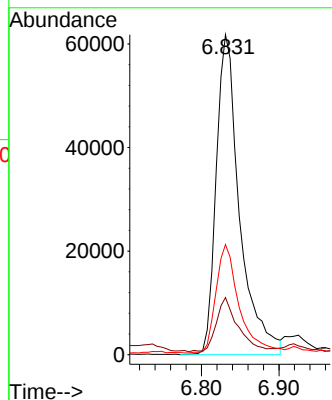
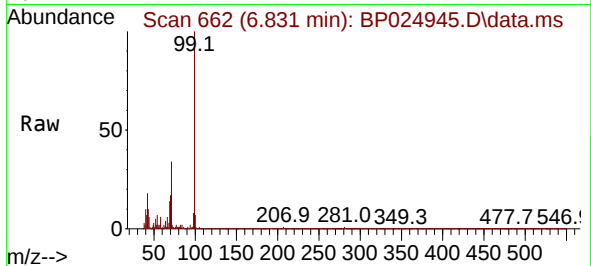




#7
Phenol-d6
Concen: 7.037 ng
RT: 6.831 min Scan# 662
Delta R.T. 0.017 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

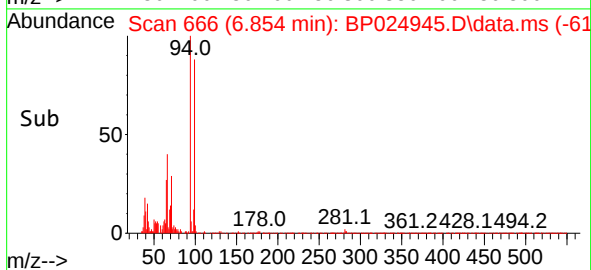
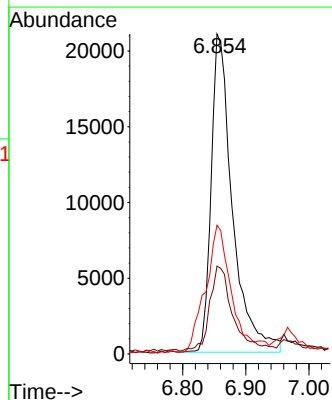
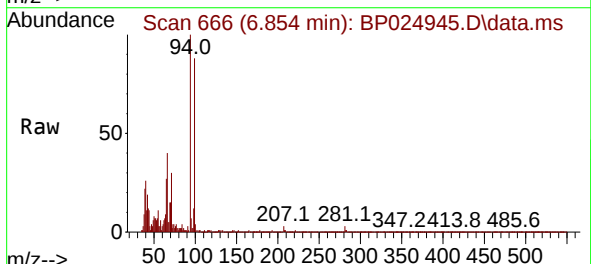
Instrument :
BNA_P
ClientSampleId :
LAW-25-0084

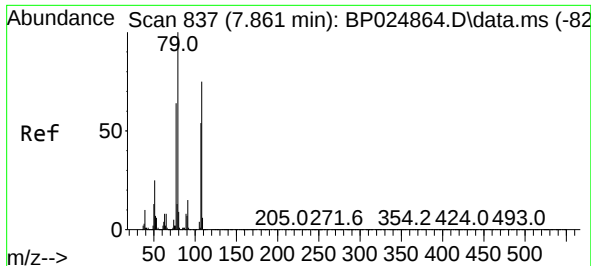
Tgt Ion: 99 Resp: 129400
Ion Ratio Lower Upper
99 100
42 17.8 13.4 20.2
71 34.4 27.6 41.4



#10
Phenol
Concen: 2.597 ng
RT: 6.854 min Scan# 666
Delta R.T. 0.011 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion: 94 Resp: 49231
Ion Ratio Lower Upper
94 100
65 27.5 8.3 48.3
66 40.2 18.2 58.2

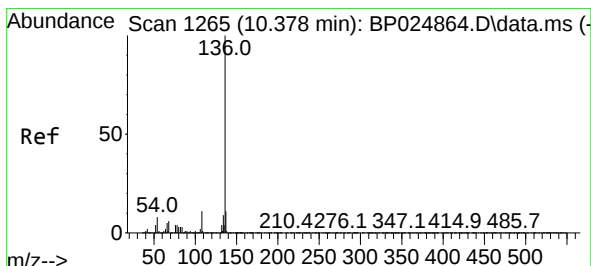
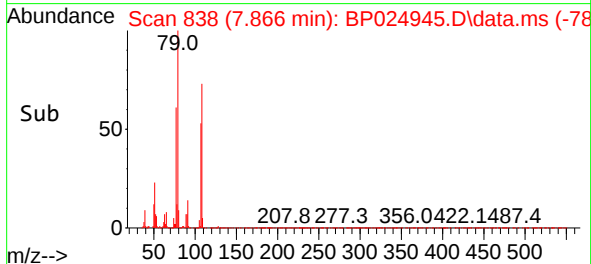
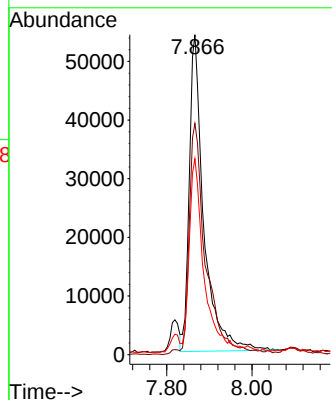
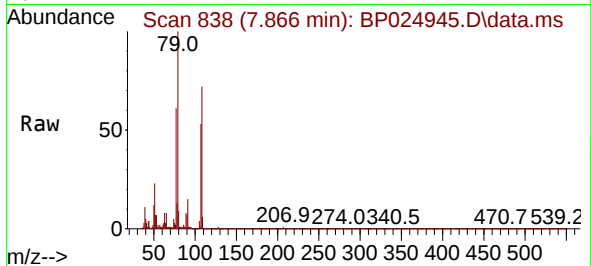




#15
Benzyl Alcohol
Concen: 9.046 ng
RT: 7.866 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

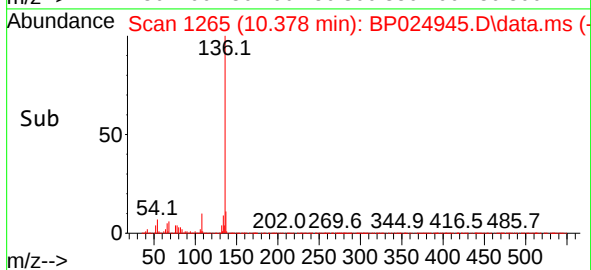
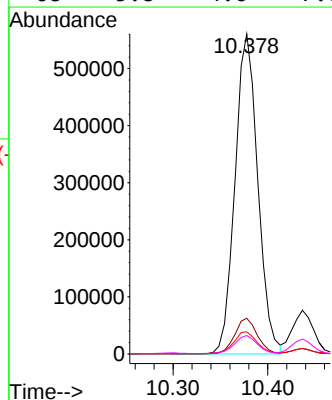
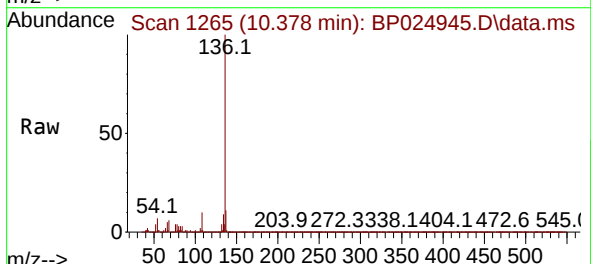
Instrument :
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ClientSampleId :
LAW-25-0084

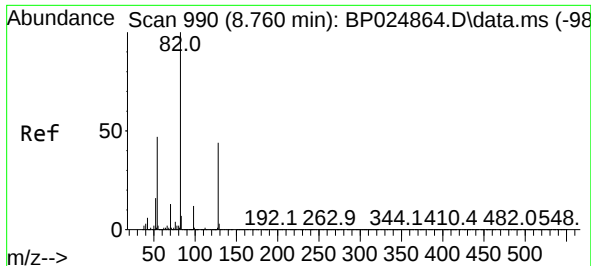
Tgt Ion: 79 Resp: 127659
Ion Ratio Lower Upper
79 100
108 72.2 60.2 90.4
77 61.3 51.2 76.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion: 136 Resp: 934179
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.9 6.1 9.1
68 5.8 4.6 7.0

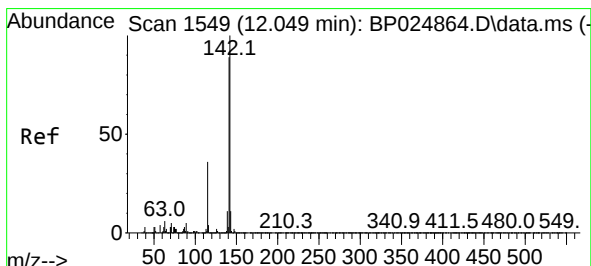
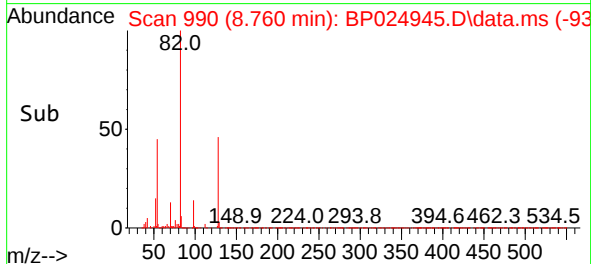
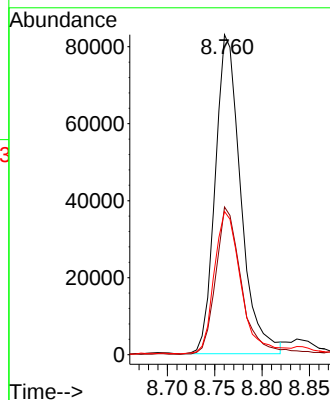
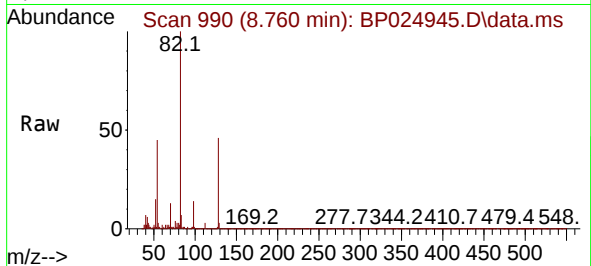




#23
Nitrobenzene-d5
Concen: 8.101 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

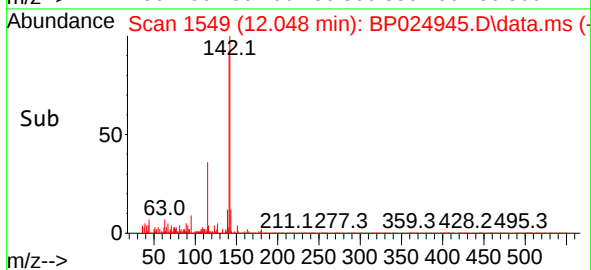
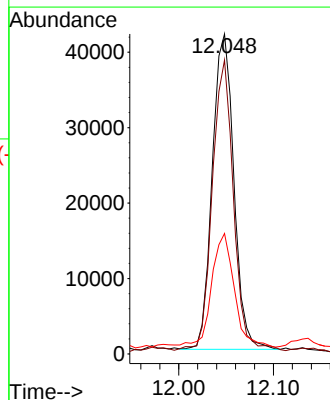
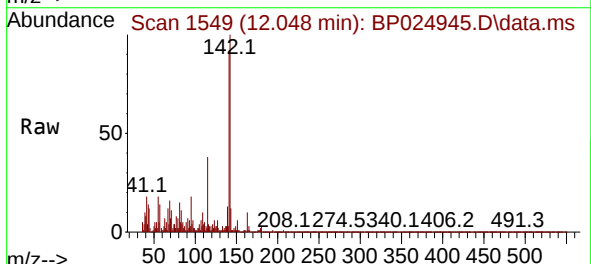
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ClientSampleId :
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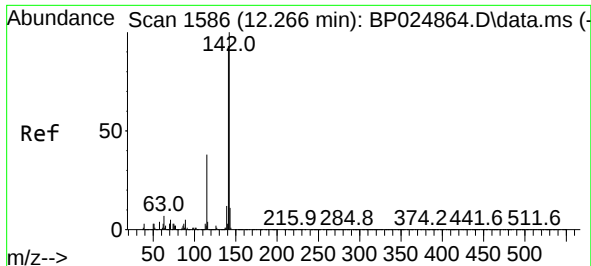
Tgt Ion: 82 Resp: 155734
Ion Ratio Lower Upper
82 100
128 46.2 35.3 52.9
54 44.8 37.4 56.0



#37
2-Methylnaphthalene
Concen: 2.178 ng
RT: 12.048 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion: 142 Resp: 66139
Ion Ratio Lower Upper
142 100
141 91.9 71.2 106.8
115 37.7 28.5 42.7

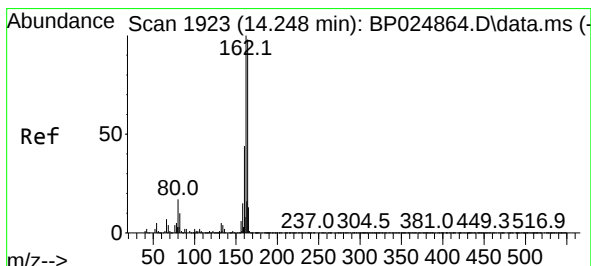
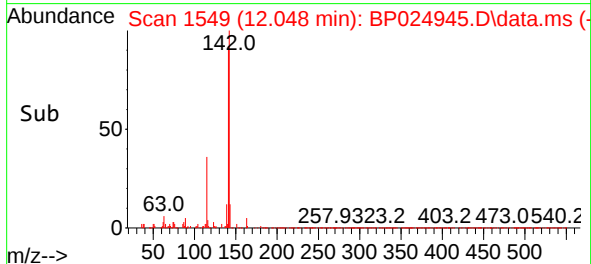
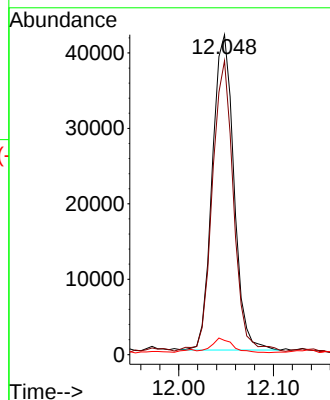
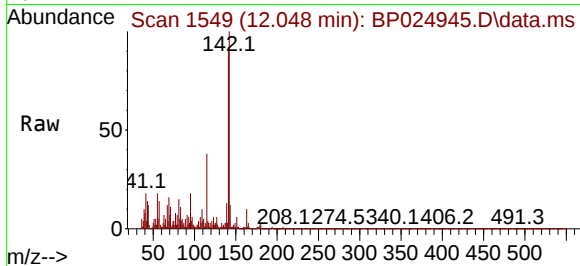




#38
1-Methylnaphthalene
Concen: 2.037 ng
RT: 12.048 min Scan# 11
Delta R.T. -0.218 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

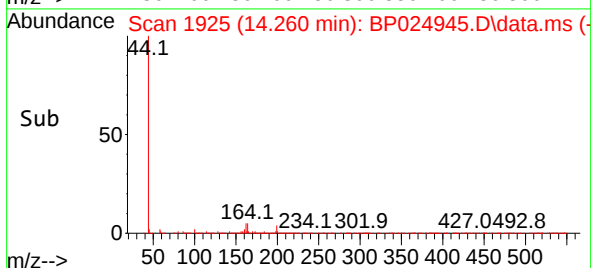
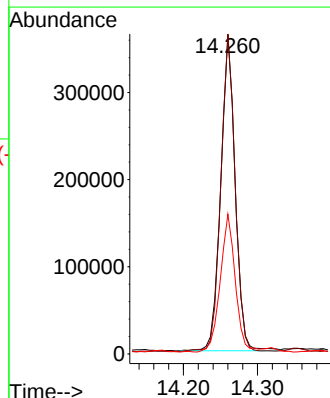
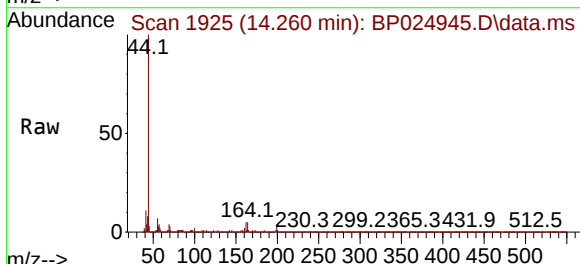
Instrument :
BNA_P
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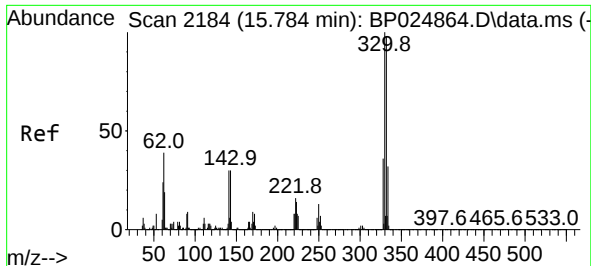
Tgt Ion:142 Resp: 66139
Ion Ratio Lower Upper
142 100
141 91.9 74.7 112.1
116 4.5 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.011 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion:164 Resp: 492158
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 43.8 36.2 54.2

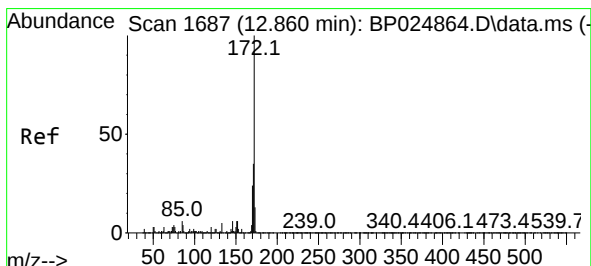
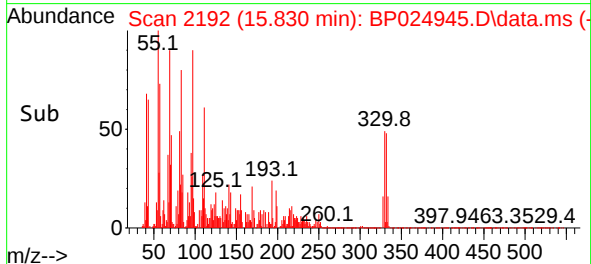
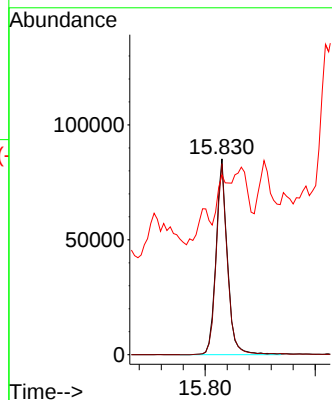
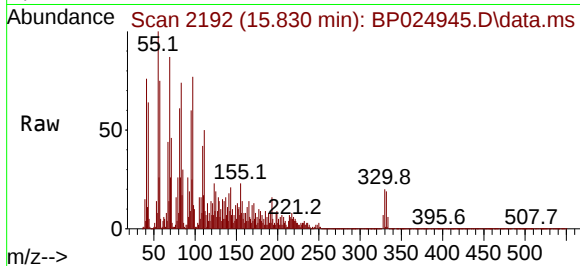




#42
2,4,6-Tribromophenol
Concen: 17.994 ng
RT: 15.830 min Scan# 2184
Delta R.T. 0.047 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

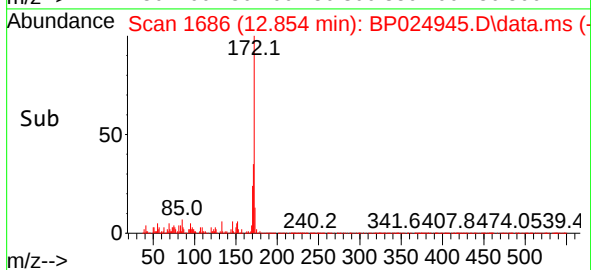
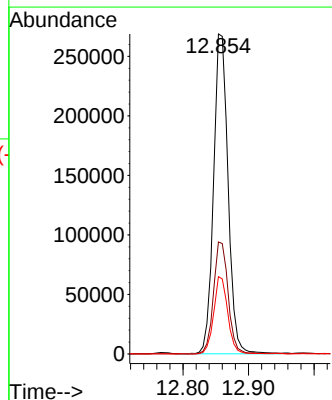
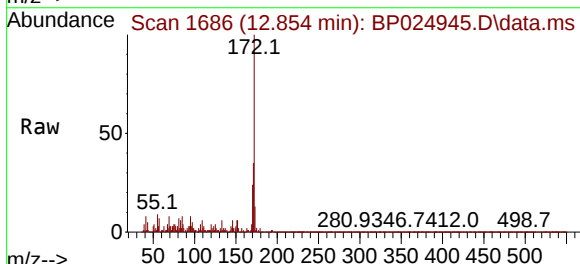
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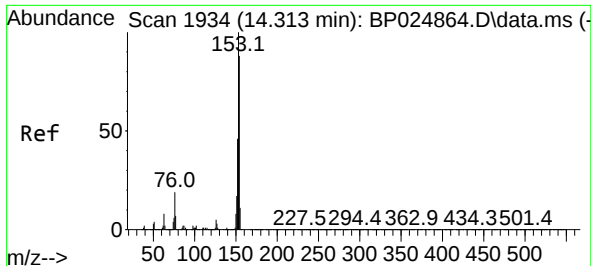
Tgt Ion:330 Resp: 122436
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 28.5 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 11.301 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion:172 Resp: 412861
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 24.1 19.0 28.4

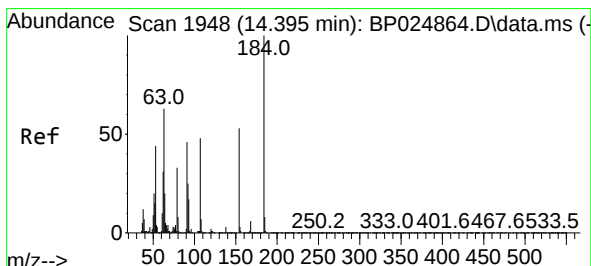
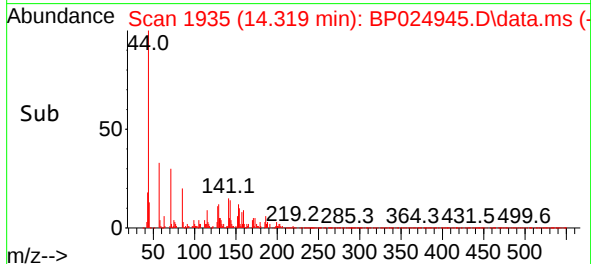
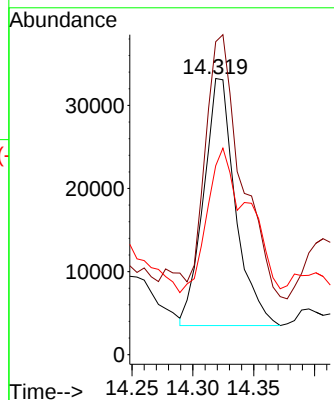
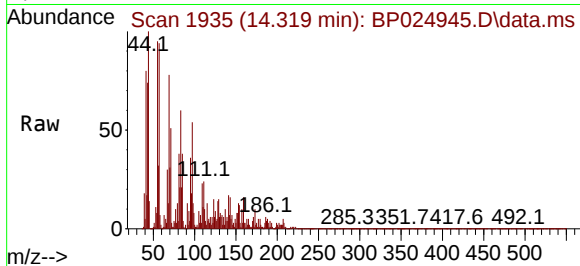




#52
Acenaphthene
Concen: 2.060 ng
RT: 14.319 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

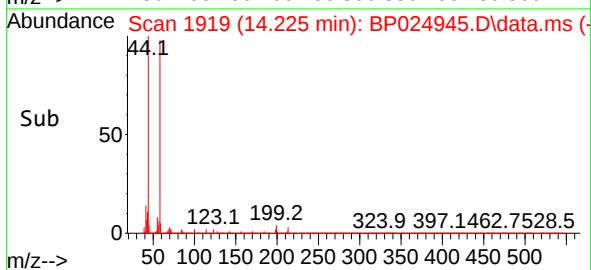
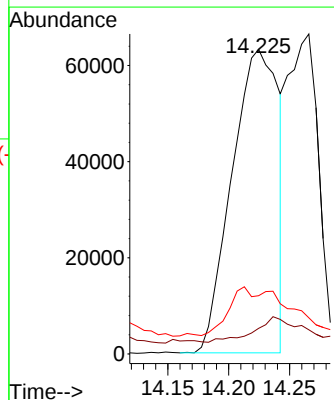
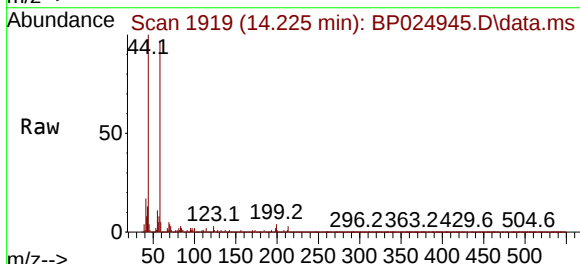
Instrument :
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ClientSampleId :
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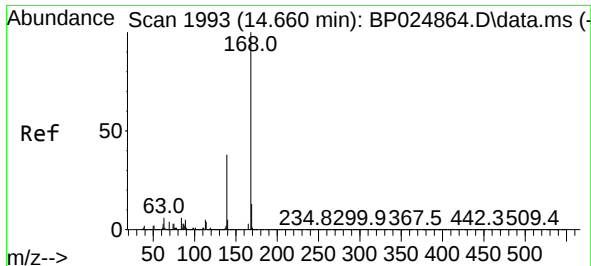
Tgt Ion:154 Resp: 54111
Ion Ratio Lower Upper
154 100
153 113.3 90.5 135.7
152 68.4 42.1 63.1#



#54
2,4-Dinitrophenol
Concen: 36.157 ng
RT: 14.225 min Scan# 1919
Delta R.T. -0.170 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion:184 Resp: 167571
Ion Ratio Lower Upper
184 100
63 8.4 51.0 76.4#
154 19.1 51.7 77.5#

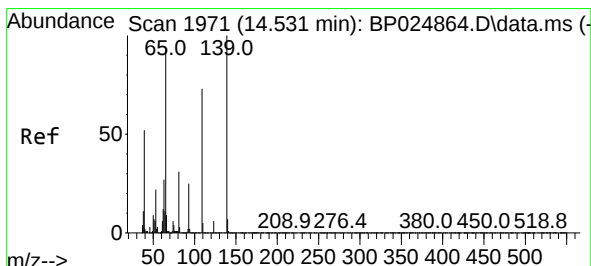
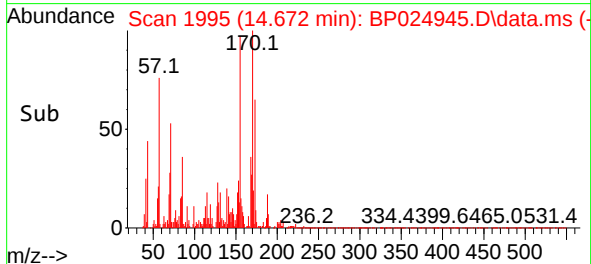
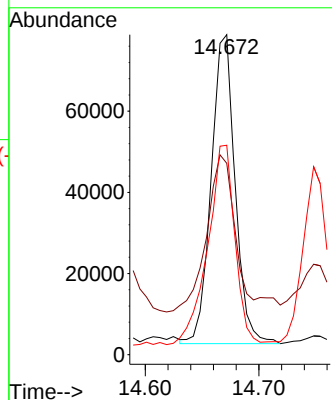
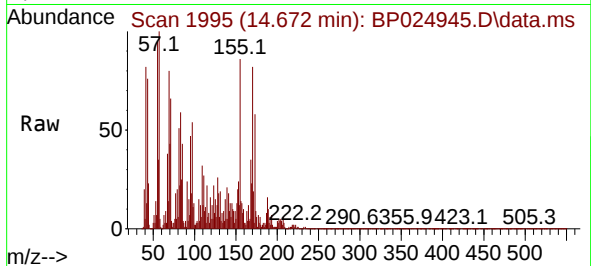




#55
Dibenzenofuran
Concen: 2.639 ng
RT: 14.672 min Scan# 1995
Delta R.T. 0.011 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

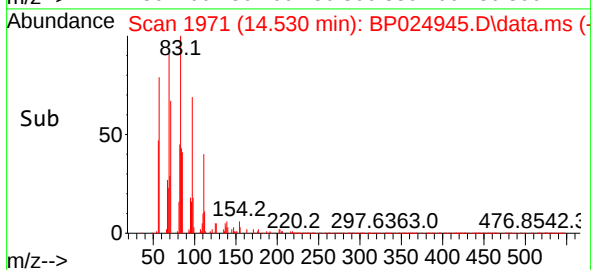
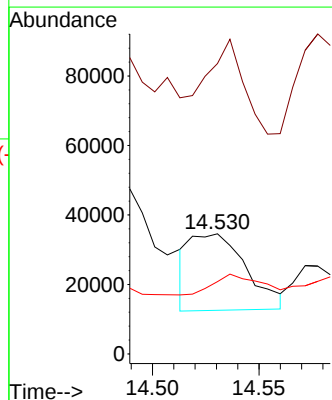
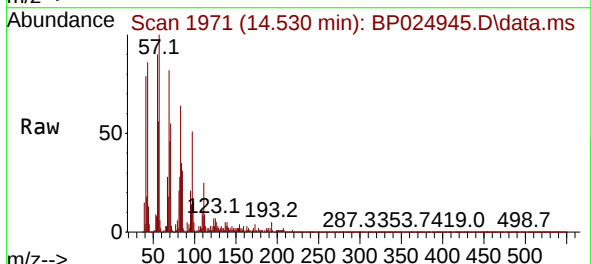
Instrument :
BNA_P
ClientSampleId :
LAW-25-0084

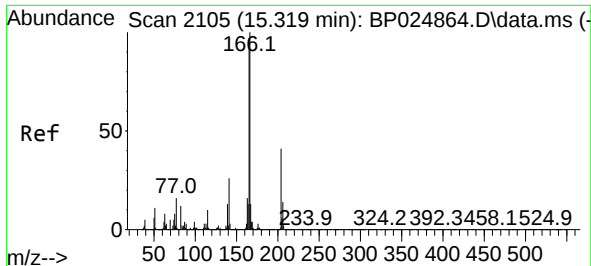
Tgt Ion:168 Resp: 111270
Ion Ratio Lower Upper
168 100
139 59.8 31.6 47.4#
169 65.4 10.6 15.8#



#56
4-Nitrophenol
Concen: 10.913 ng
RT: 14.530 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion:139 Resp: 40591
Ion Ratio Lower Upper
139 100
109 241.4 53.1 93.1#
65 60.1 73.0 113.0#

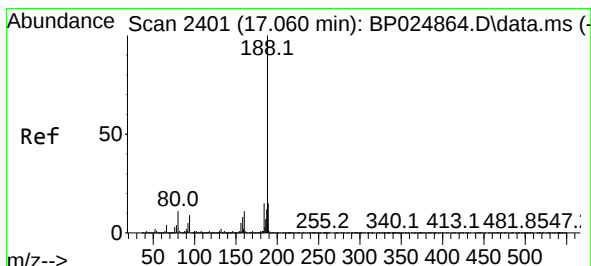
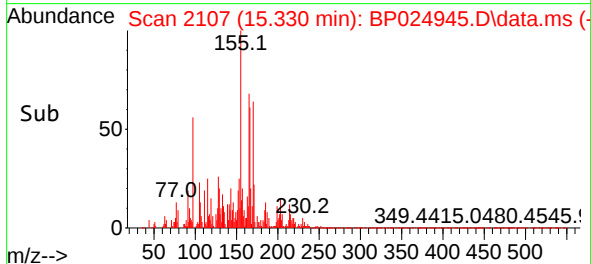
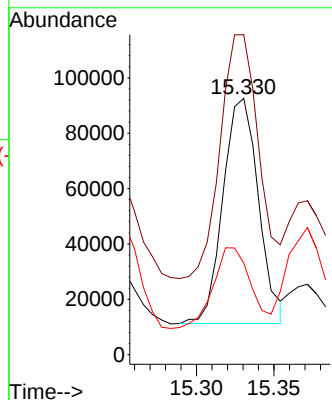
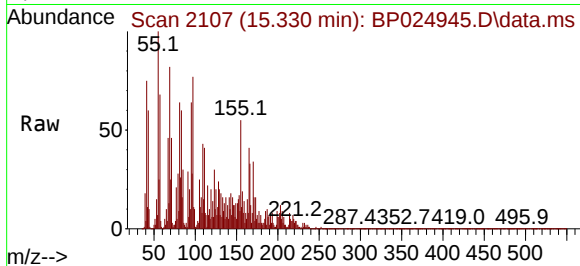




#58
Fluorene
Concen: 3.803 ng
RT: 15.330 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

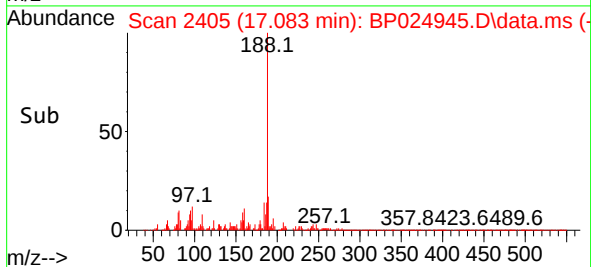
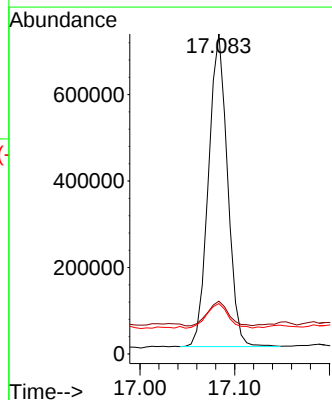
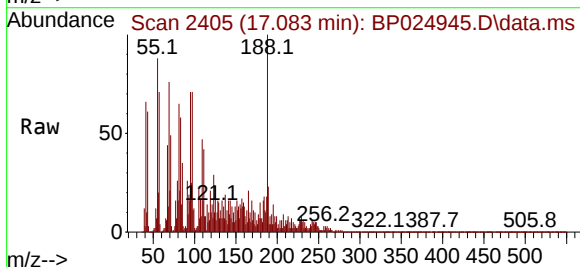
Instrument :
BNA_P
ClientSampleId :
LAW-25-0084

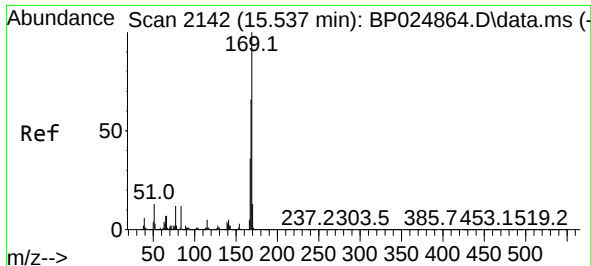
Tgt Ion:166 Resp: 129508
Ion Ratio Lower Upper
166 100
165 124.9 77.7 116.5#
167 35.8 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.083 min Scan# 2405
Delta R.T. 0.023 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion:188 Resp: 1008506
Ion Ratio Lower Upper
188 100
94 16.5 7.3 10.9#
80 15.8 8.5 12.7#

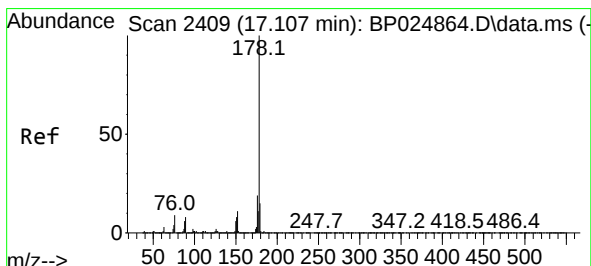
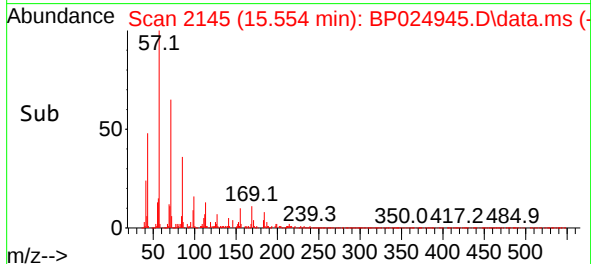
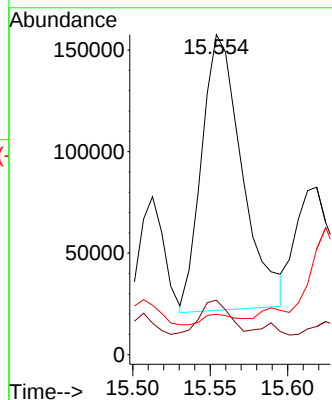
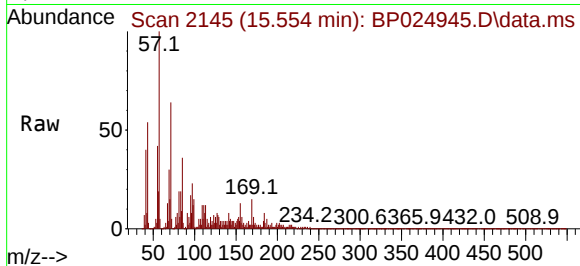




#66
n-Nitrosodiphenylamine
Concen: 7.883 ng
RT: 15.554 min Scan# 2145
Delta R.T. 0.017 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

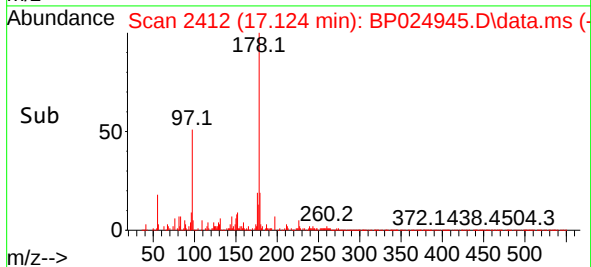
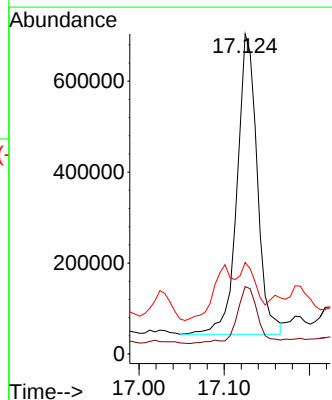
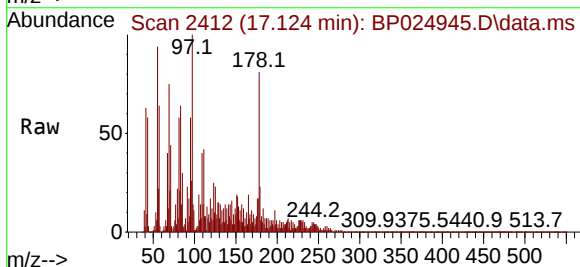
Instrument :
BNA_P
ClientSampleId :
LAW-25-0084

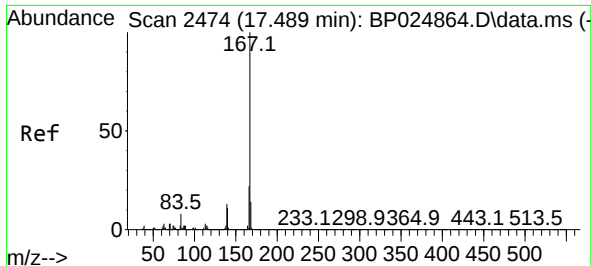
Tgt Ion:169 Resp: 246409
Ion Ratio Lower Upper
169 100
168 17.1 53.0 79.6#
167 12.7 28.6 43.0#



#71
Phenanthrene
Concen: 19.440 ng
RT: 17.124 min Scan# 2412
Delta R.T. 0.017 min
Lab File: BP024945.D
Acq: 13 Jun 2025 15:32

Tgt Ion:178 Resp: 1083429
Ion Ratio Lower Upper
178 100
176 21.0 15.3 22.9
179 28.6 12.1 18.1#

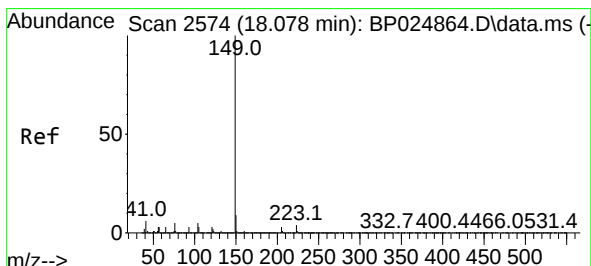
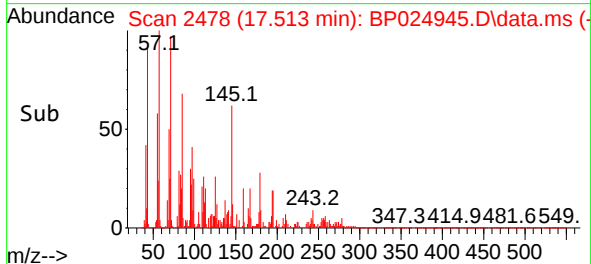
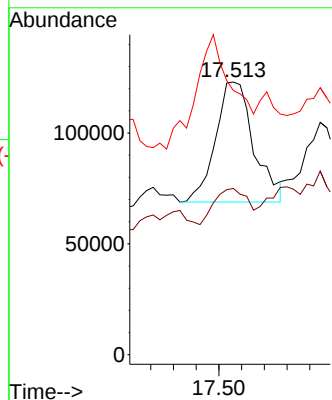
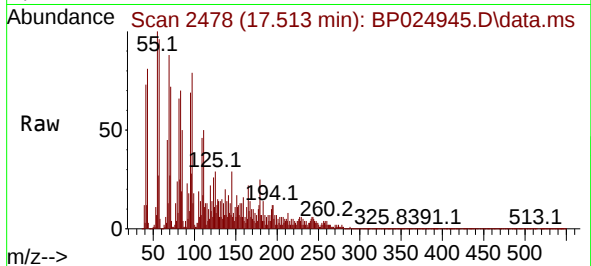




#73
 Carbazole
 Concen: 2.427 ng
 RT: 17.513 min Scan# 2474
 Delta R.T. 0.023 min
 Lab File: BP024945.D
 Acq: 13 Jun 2025 15:32

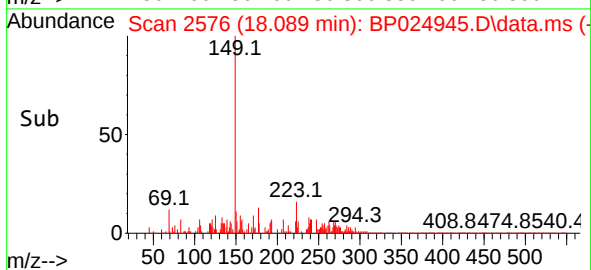
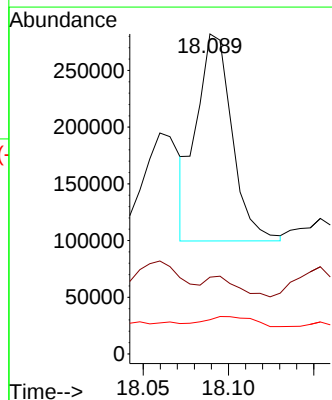
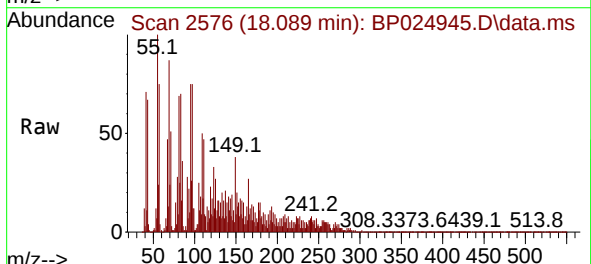
Instrument :
 BNA_P
 ClientSampleId :
 LAW-25-0084

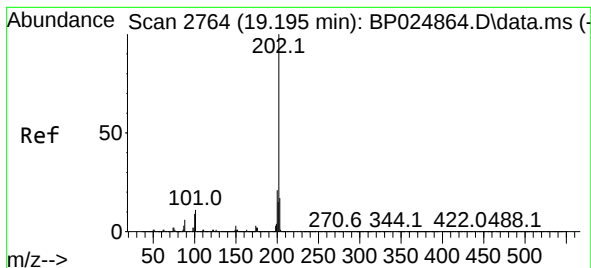
Tgt Ion:167 Resp: 126957
 Ion Ratio Lower Upper
 167 100
 166 61.0 17.3 25.9#
 139 96.9 10.8 16.2#



#74
 Di-n-butylphthalate
 Concen: 4.068 ng
 RT: 18.089 min Scan# 2576
 Delta R.T. 0.011 min
 Lab File: BP024945.D
 Acq: 13 Jun 2025 15:32

Tgt Ion:149 Resp: 263672
 Ion Ratio Lower Upper
 149 100
 150 24.0 7.4 11.2#
 104 10.7 4.2 6.2#





#75

Fluoranthene

Concen: 6.297 ng

RT: 19.213 min Scan# 21

Delta R.T. 0.017 min

Lab File: BP024945.D

Acq: 13 Jun 2025 15:32

Instrument :

BNA_P

ClientSampleId :

LAW-25-0084

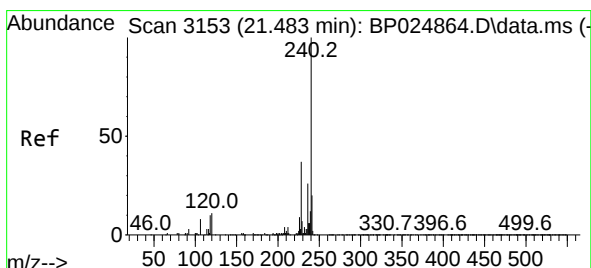
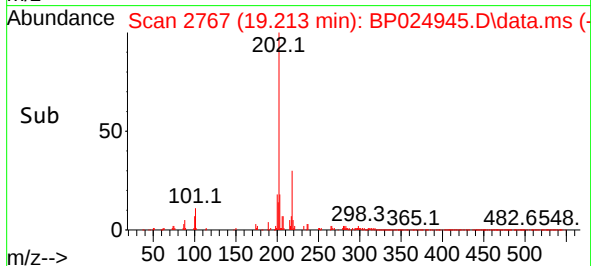
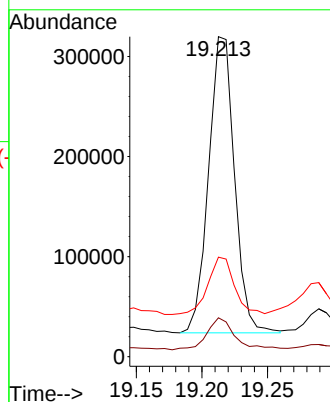
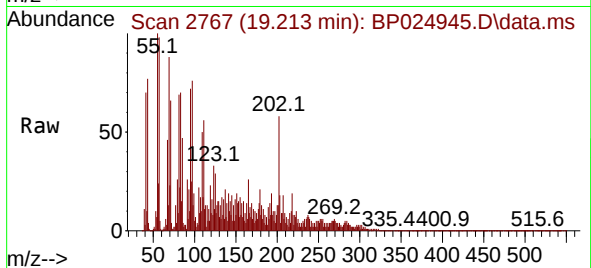
Tgt Ion:202 Resp: 406759

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.4

203 31.1 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: BP024945.D

Acq: 13 Jun 2025 15:32

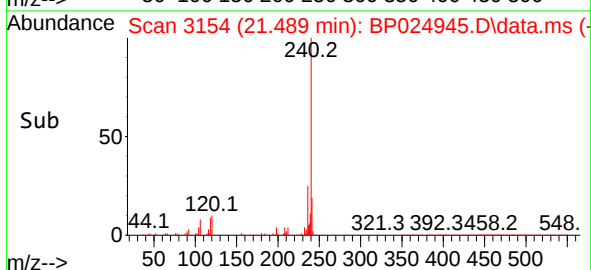
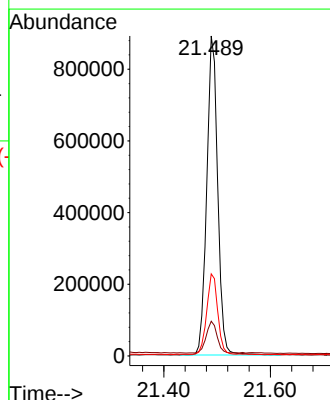
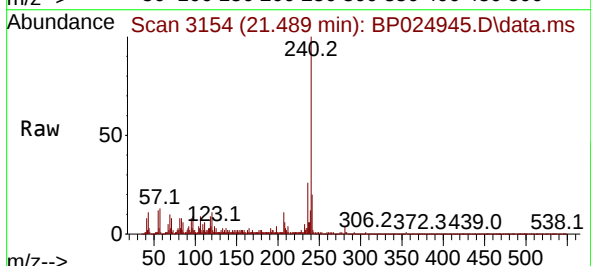
Tgt Ion:240 Resp: 1265349

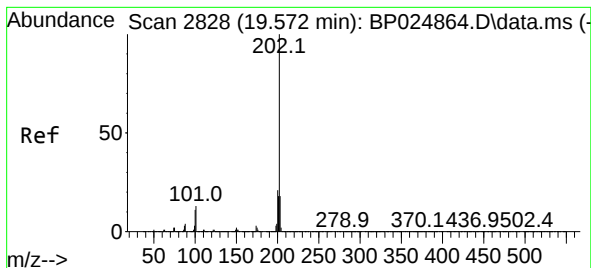
Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

236 25.6 20.9 31.3





#78

Pyrene

Concen: 3.388 ng

RT: 19.589 min Scan# 2828

Delta R.T. 0.017 min

Lab File: BP024945.D

Acq: 13 Jun 2025 15:32

Instrument :

BNA_P

ClientSampleId :

LAW-25-0084

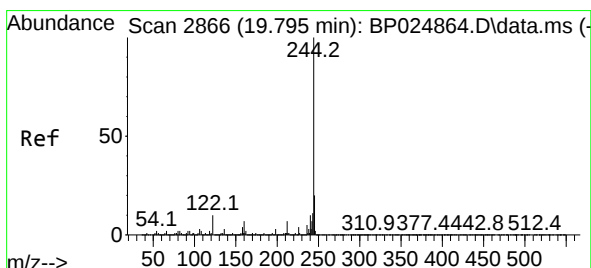
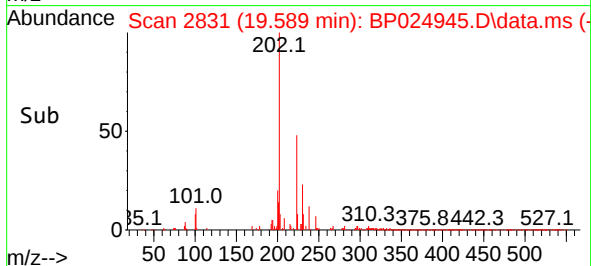
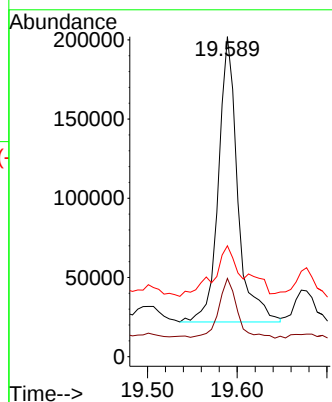
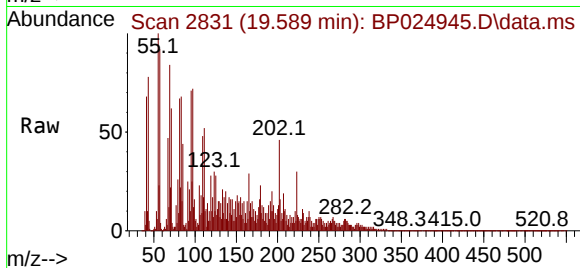
Tgt Ion:202 Resp: 267850

Ion Ratio Lower Upper

202 100

200 24.5 17.1 25.7

203 34.7 14.0 21.0#



#79

Terphenyl-d14

Concen: 9.233 ng

RT: 19.801 min Scan# 2867

Delta R.T. 0.006 min

Lab File: BP024945.D

Acq: 13 Jun 2025 15:32

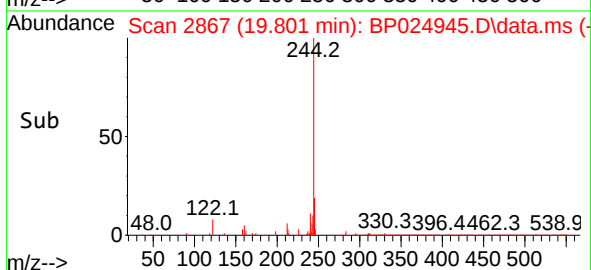
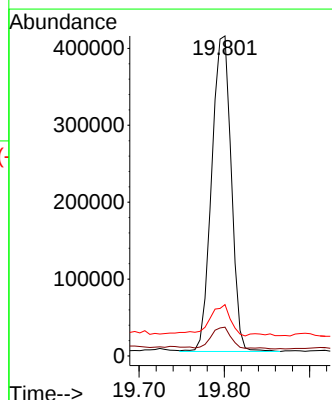
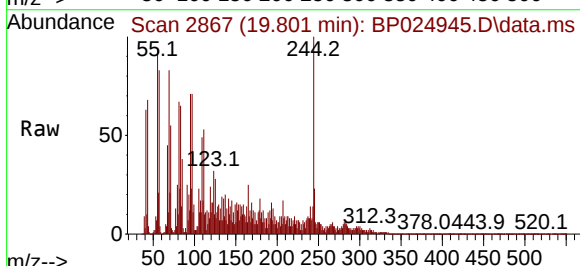
Tgt Ion:244 Resp: 651842

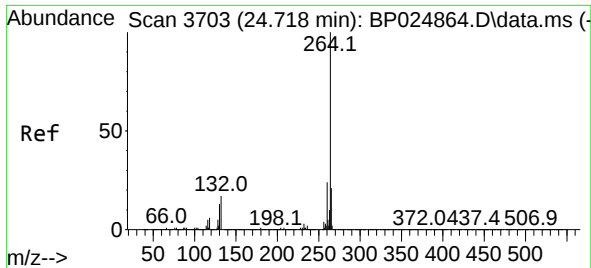
Ion Ratio Lower Upper

244 100

212 9.0 5.6 8.4#

122 16.0 7.7 11.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.771 min Scan# 31
 Delta R.T. 0.053 min
 Lab File: BP024945.D
 Acq: 13 Jun 2025 15:32

Instrument :
 BNA_P
 ClientSampleId :
 LAW-25-0084

Tgt Ion:264 Resp: 1408935
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 22.4 17.4 26.0

