

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025158.D
 Acq On : 16 Jul 2025 14:49
 Operator : CG/JU
 Sample : Q2586-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-16

Quant Time: Jul 16 15:18:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

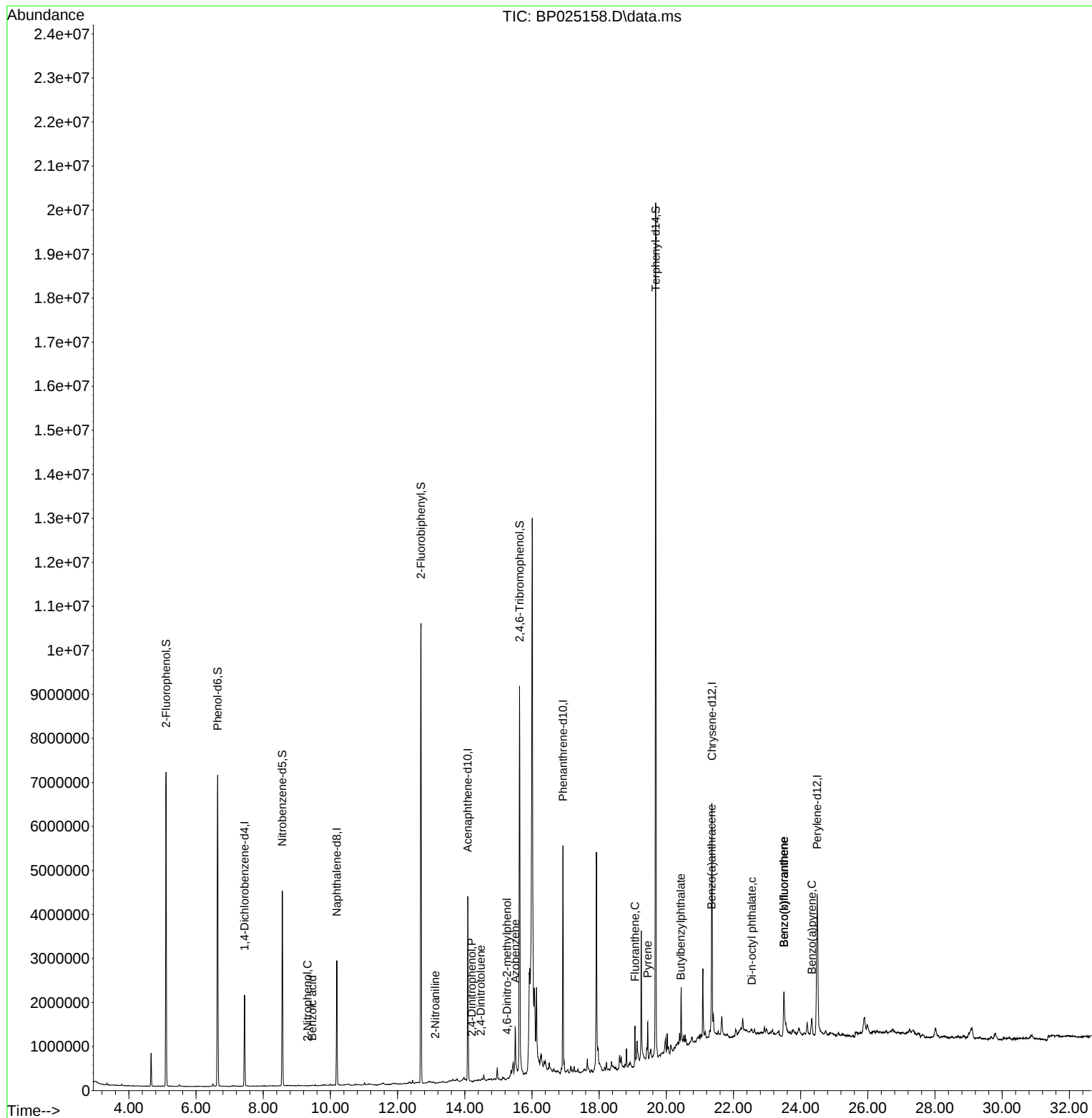
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	585802	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2246241	20.000	ng	0.00
39) Acenaphthene-d10	14.089	164	1453836	20.000	ng	0.00
64) Phenanthrene-d10	16.925	188	2794881	20.000	ng	0.02
76) Chrysene-d12	21.360	240	2771587	20.000	ng	0.02
86) Perylene-d12	24.489	264	3351599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	3234468	97.832	ng	0.01
7) Phenol-d6	6.643	99	4230568	98.055	ng	0.01
23) Nitrobenzene-d5	8.566	82	2392120	70.824	ng	0.00
42) 2,4,6-Tribromophenol	15.631	330	2028228	118.094	ng	0.01
45) 2-Fluorobiphenyl	12.695	172	5957519	63.482	ng	0.00
79) Terphenyl-d14	19.683	244	9732683	77.177	ng	0.01
Target Compounds					Qvalue	
26) 2-Nitrophenol	9.319	139	316	3.319	ng	# 1
32) Benzoic acid	9.460	122	6512	6.445	ng	96
48) 2-Nitroaniline	13.119	65	477	2.788	ng	# 60
54) 2,4-Dinitrophenol	14.207	184	151	5.400	ng	# 1
57) 2,4-Dinitrotoluene	14.472	165	725	2.660	ng	# 79
63) Azobenzene	15.501	77	270637	2.973	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.260	198	178	5.591	ng	# 1
75) Fluoranthene	19.066	202	480882	2.755	ng	99
78) Pyrene	19.448	202	511839	2.982	ng	99
80) Butylbenzylphthalate	20.430	149	7956	3.793	ng	# 12
81) Benzo(a)anthracene	21.342	228	360939	2.149	ng	98
85) Di-n-octyl phthalate	22.548	149	538	6.102	ng	# 1
88) Benzo(b)fluoranthene	23.501	252	557470	2.858	ng	# 95
89) Benzo(k)fluoranthene	23.501	252	557470	2.872	ng	# 95
90) Benzo(a)pyrene	24.330	252	425528	2.563	ng	96

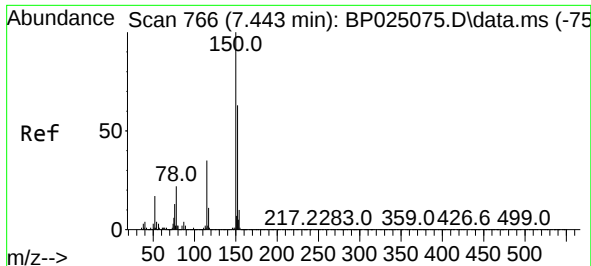
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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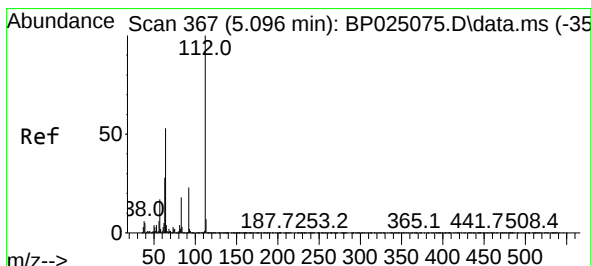
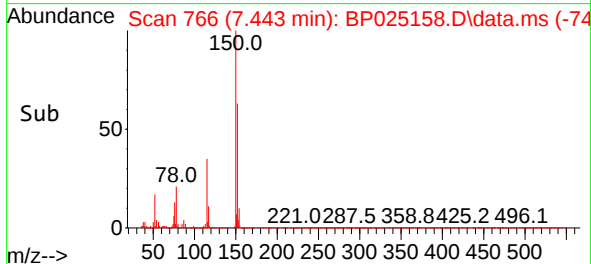
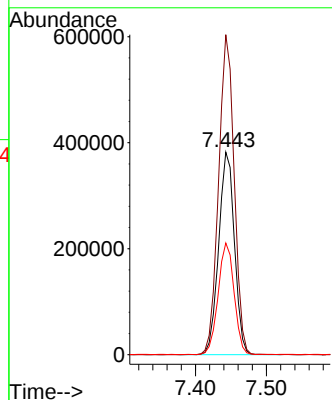
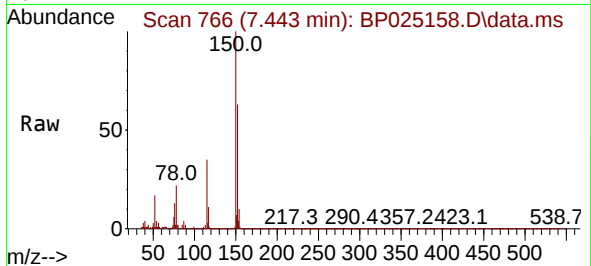




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.443 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: BP025158.D
 Acq: 16 Jul 2025 14:49

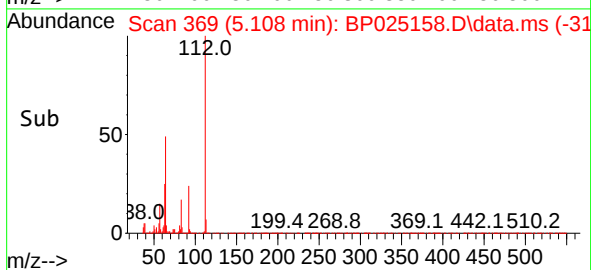
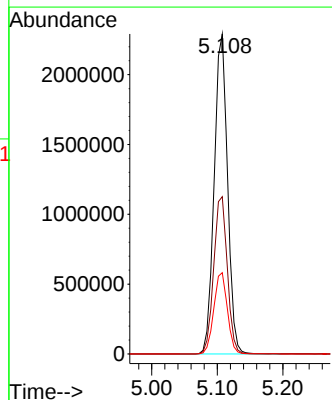
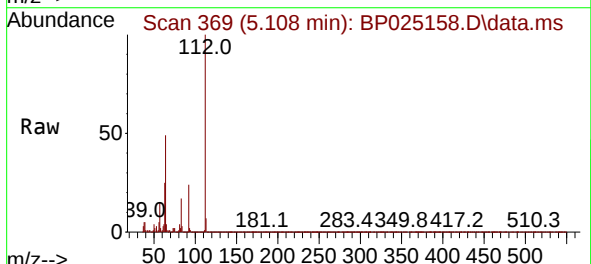
Instrument :
 BNA_P
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 TP-16

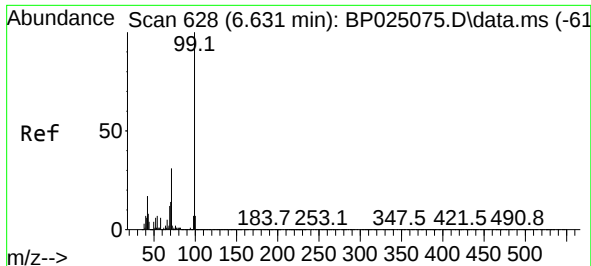
Tgt Ion:152 Resp: 585802
 Ion Ratio Lower Upper
 152 100
 150 158.0 126.1 189.1
 115 55.2 44.3 66.5



#5
 2-Fluorophenol
 Concen: 97.832 ng
 RT: 5.108 min Scan# 369
 Delta R.T. 0.012 min
 Lab File: BP025158.D
 Acq: 16 Jul 2025 14:49

Tgt Ion:112 Resp: 3234468
 Ion Ratio Lower Upper
 112 100
 64 49.2 42.0 63.0
 63 25.4 22.2 33.2



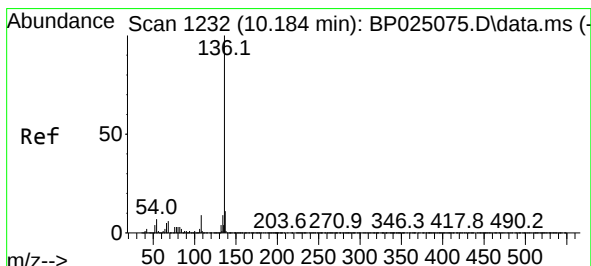
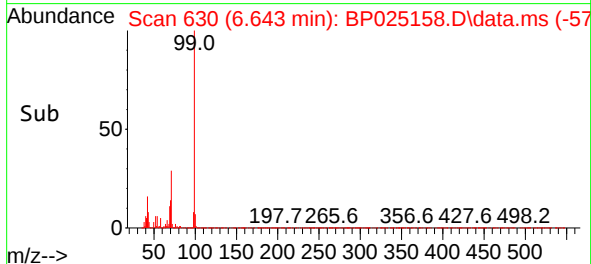
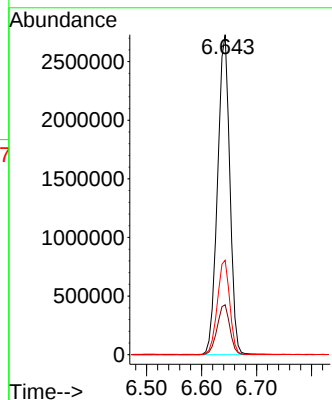
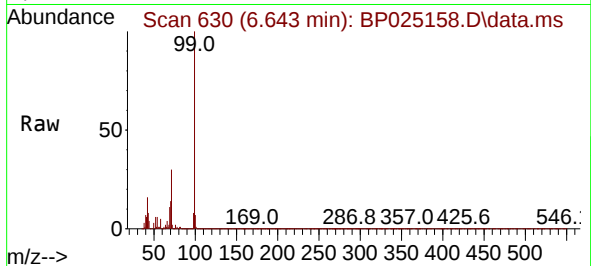


#7
Phenol-d6
Concen: 98.055 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Instrument :
BNA_P
ClientSampleId :
TP-16

Tgt Ion: 99 Resp: 4230568

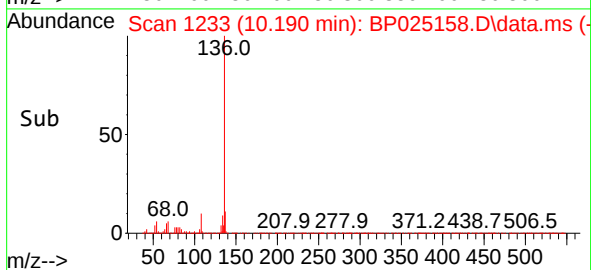
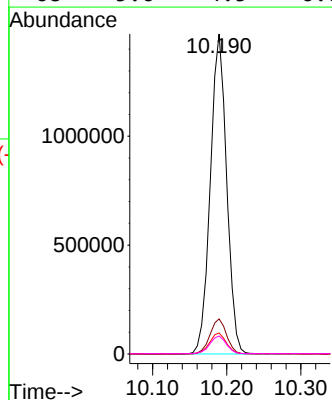
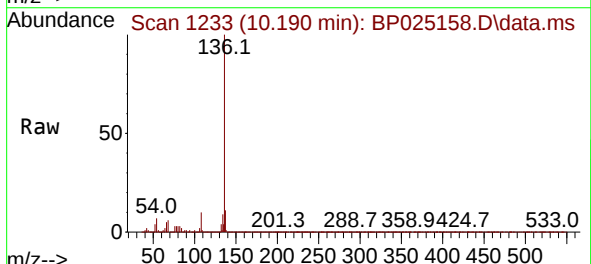
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.6	20.4
71	29.5	24.4	36.6

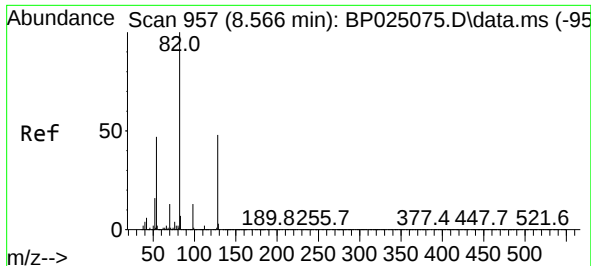


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion: 136 Resp: 2246241

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.5	5.4	8.2
68	5.6	4.5	6.7

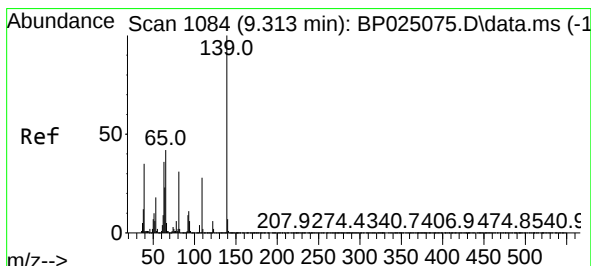
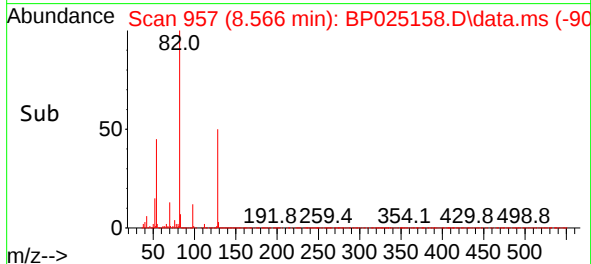
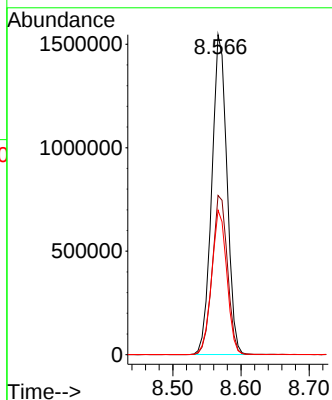
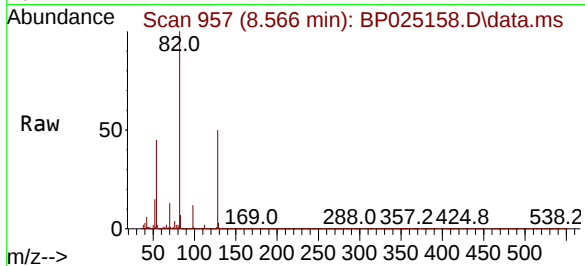




#23
Nitrobenzene-d5
Concen: 70.824 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

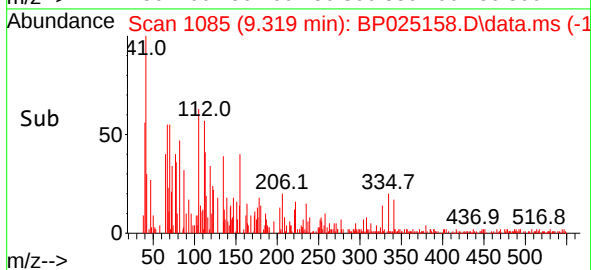
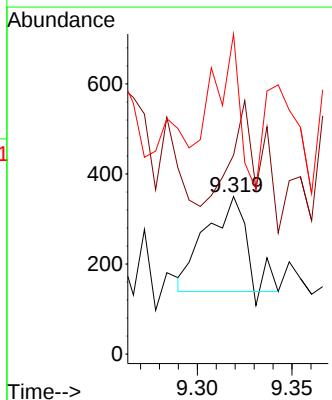
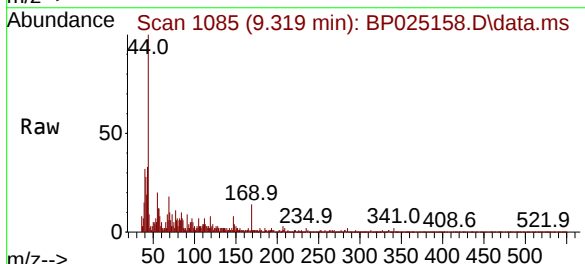
Instrument :
BNA_P
ClientSampleId :
TP-16

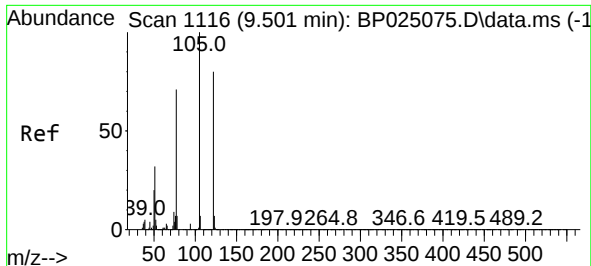
Tgt Ion: 82 Resp: 2392120
Ion Ratio Lower Upper
82 100
128 49.8 38.4 57.6
54 45.2 37.8 56.6



#26
2-Nitrophenol
Concen: 3.319 ng
RT: 9.319 min Scan# 1085
Delta R.T. 0.006 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion:139 Resp: 316
Ion Ratio Lower Upper
139 100
109 126.3 22.3 33.5#
65 203.1 33.8 50.8#

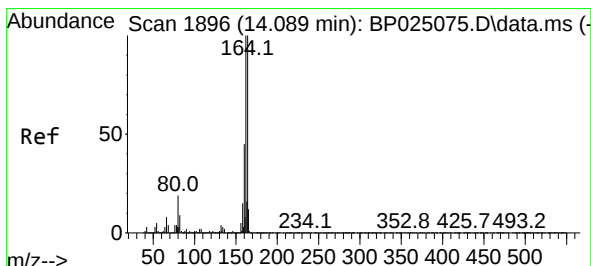
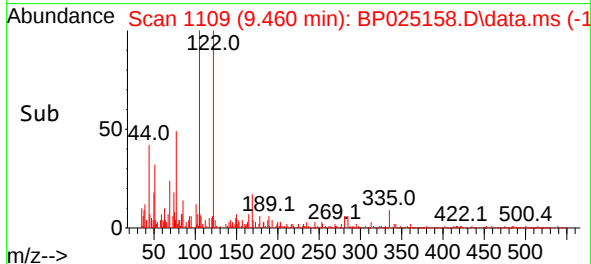
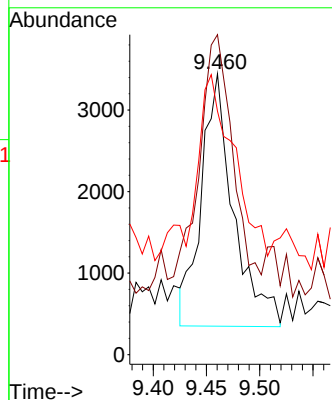
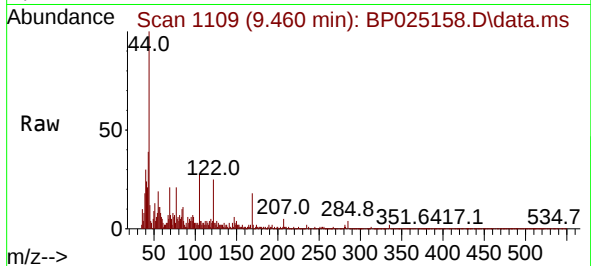




#32
Benzoic acid
Concen: 6.445 ng
RT: 9.460 min Scan# 1116
Delta R.T. -0.041 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

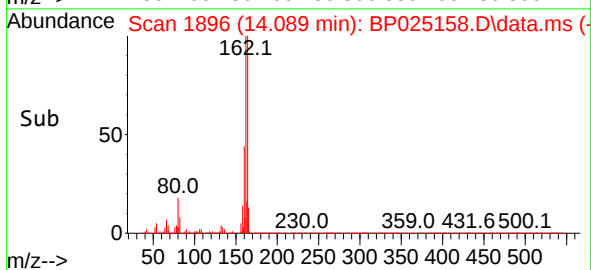
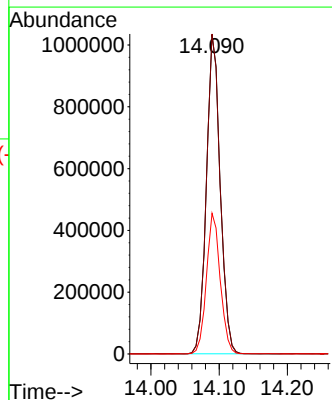
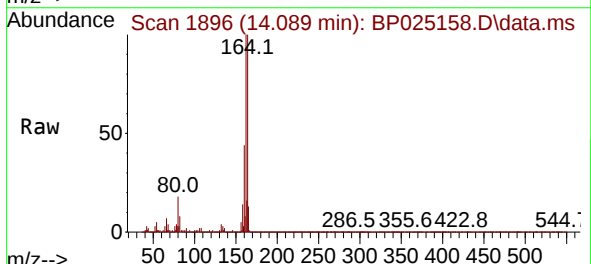
Instrument :
BNA_P
ClientSampleId :
TP-16

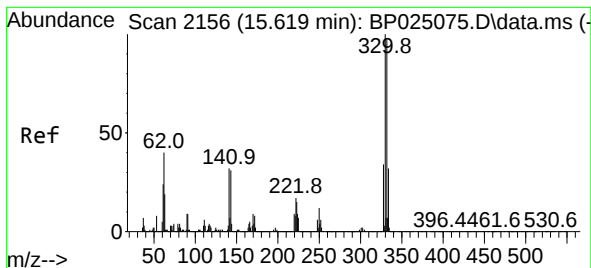
Tgt Ion:122 Resp: 6512
Ion Ratio Lower Upper
122 100
105 114.0 101.0 141.0
77 86.7 67.6 107.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.089 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion:164 Resp: 1453836
Ion Ratio Lower Upper
164 100
162 100.3 80.3 120.5
160 44.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 118.094 ng

RT: 15.631 min Scan# 2156

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

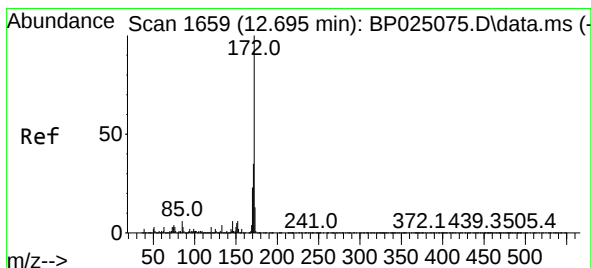
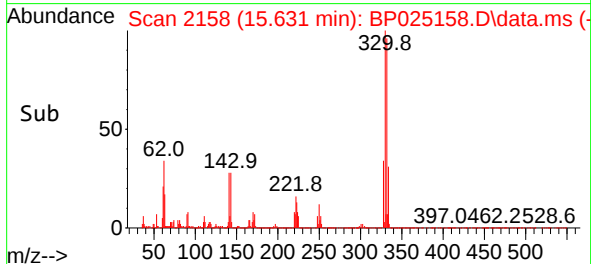
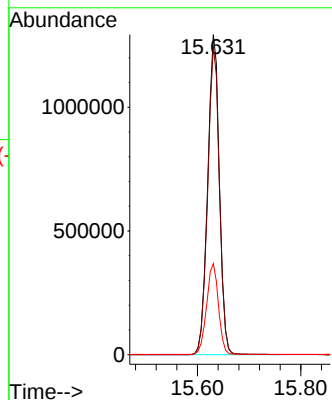
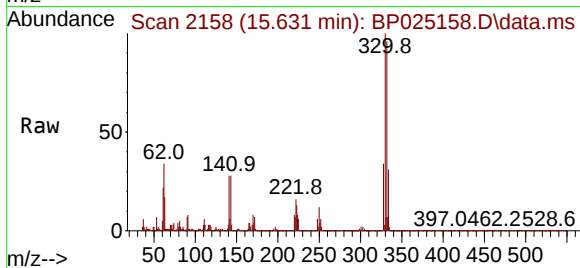
Tgt Ion:330 Resp: 2028228

Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 28.6 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 63.482 ng

RT: 12.695 min Scan# 1659

Delta R.T. 0.000 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

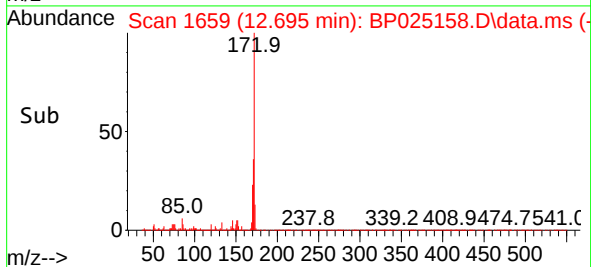
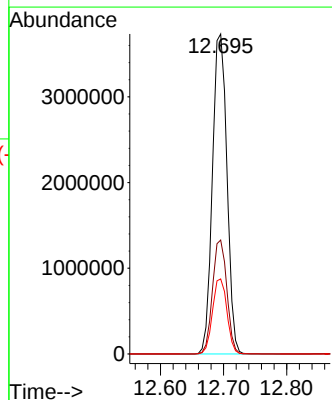
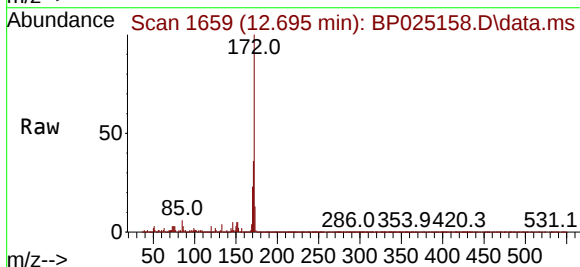
Tgt Ion:172 Resp: 5957519

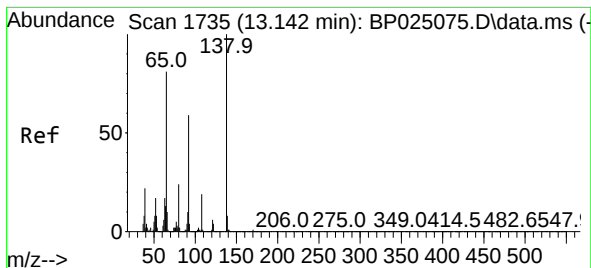
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.5 18.7 28.1





#48

2-Nitroaniline

Concen: 2.788 ng

RT: 13.119 min Scan# 1

Delta R.T. -0.023 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

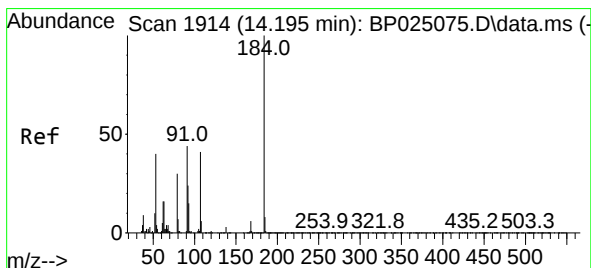
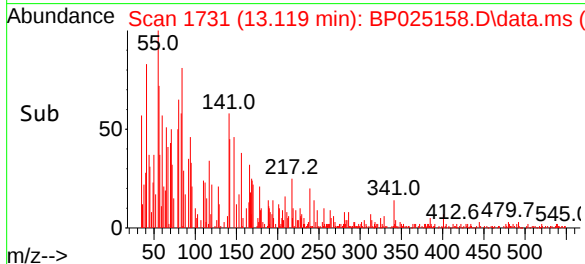
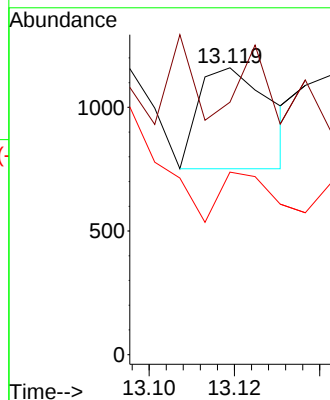
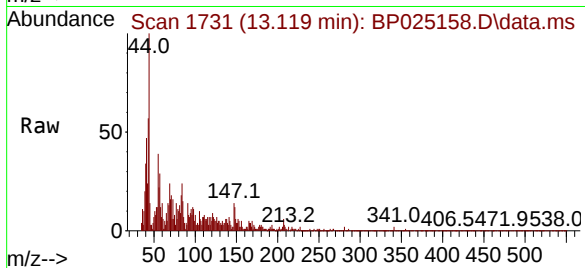
Tgt Ion: 65 Resp: 477

Ion Ratio Lower Upper

65 100

92 88.0 58.7 88.1

138 63.6 99.0 148.4#



#54

2,4-Dinitrophenol

Concen: 5.400 ng

RT: 14.207 min Scan# 1916

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

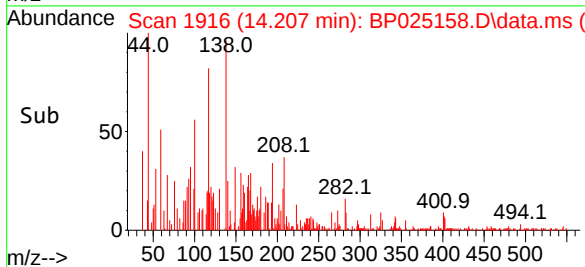
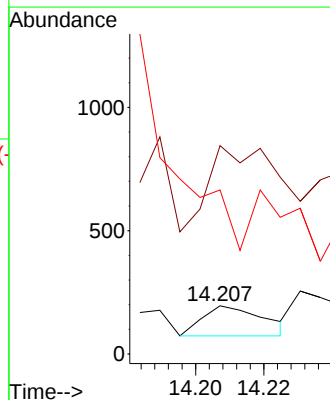
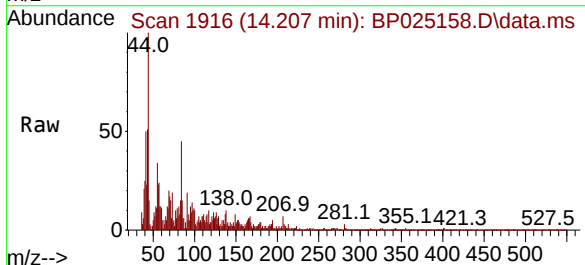
Tgt Ion:184 Resp: 151

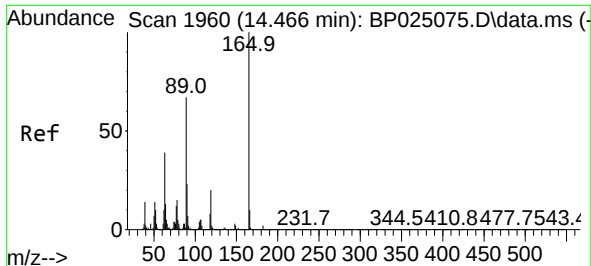
Ion Ratio Lower Upper

184 100

63 433.3 47.4 71.0#

154 341.0 47.8 71.8#

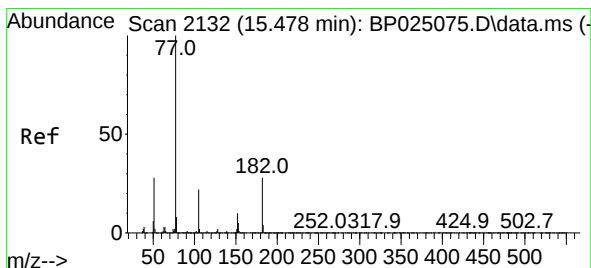
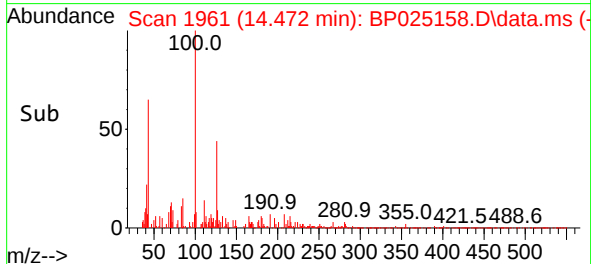
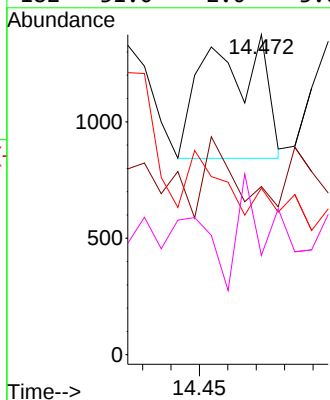
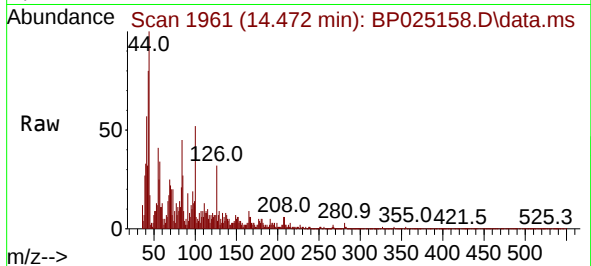




#57
2,4-Dinitrotoluene
Concen: 2.660 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

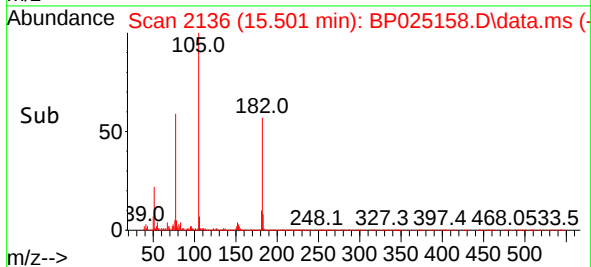
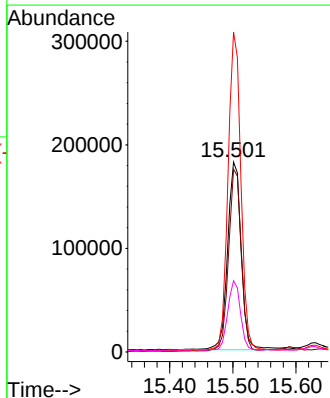
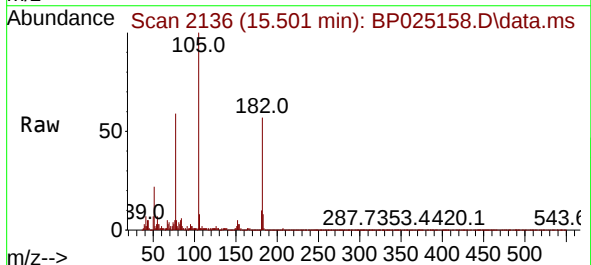
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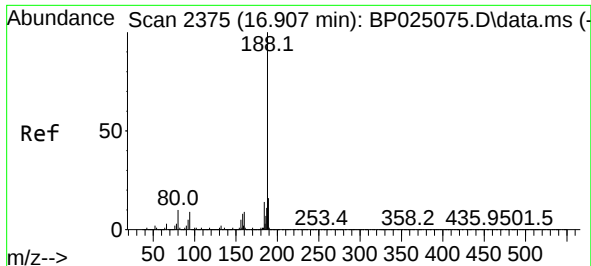
Tgt Ion:165 Resp: 725
Ion Ratio Lower Upper
165 100
63 52.5 31.0 46.4#
89 52.0 53.4 80.0#
182 31.0 2.0 3.0#



#63
Azobenzene
Concen: 2.973 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.024 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion: 77 Resp: 270637
Ion Ratio Lower Upper
77 100
182 96.3 7.7 47.7#
105 168.5 1.9 41.9#
51 37.5 8.2 48.2

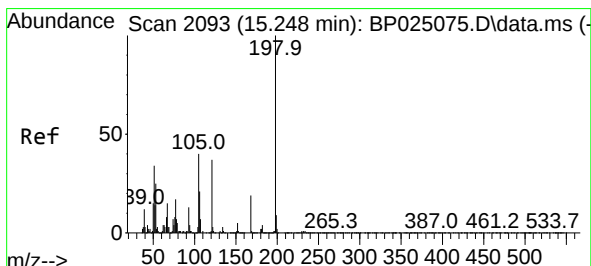
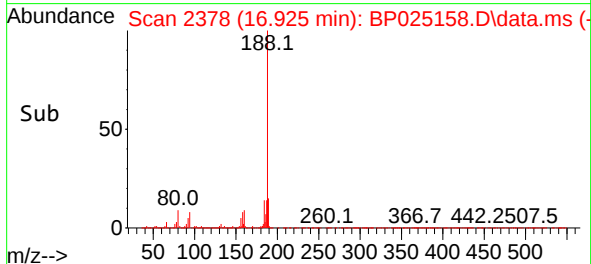
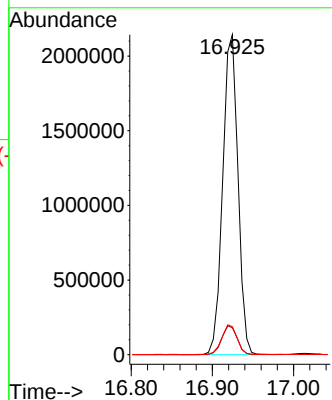
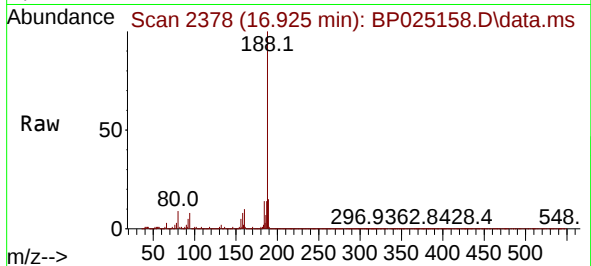




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.925 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

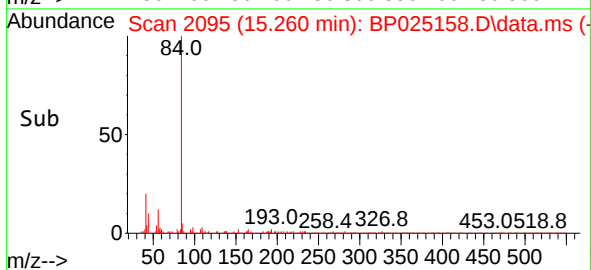
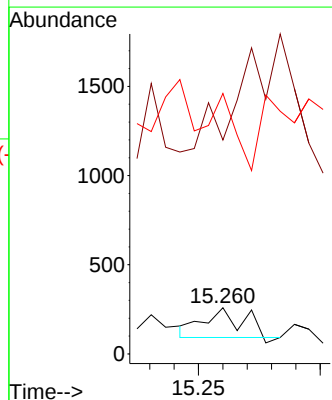
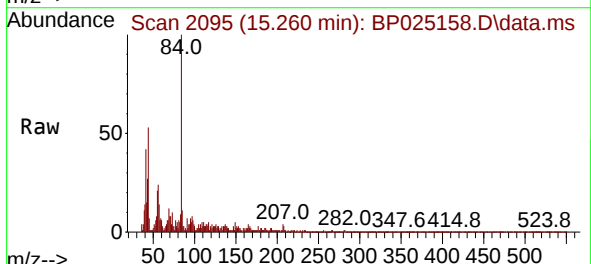
Instrument :
BNA_P
ClientSampleId :
TP-16

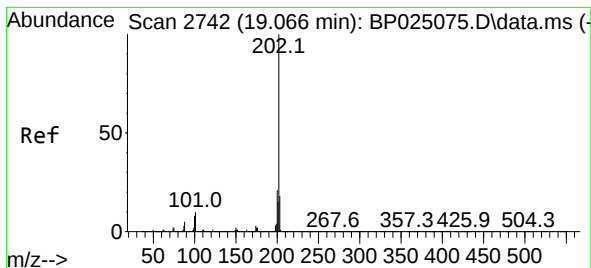
Tgt Ion:188 Resp: 2794881
Ion Ratio Lower Upper
188 100
94 8.4 7.3 10.9
80 8.8 7.8 11.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.591 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.012 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion:198 Resp: 178
Ion Ratio Lower Upper
198 100
51 462.9 16.8 56.8#
105 563.7 20.8 60.8#





#75

Fluoranthene

Concen: 2.755 ng

RT: 19.066 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

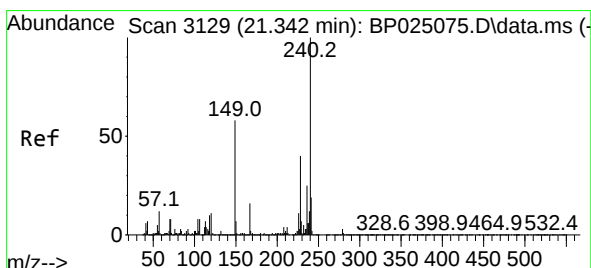
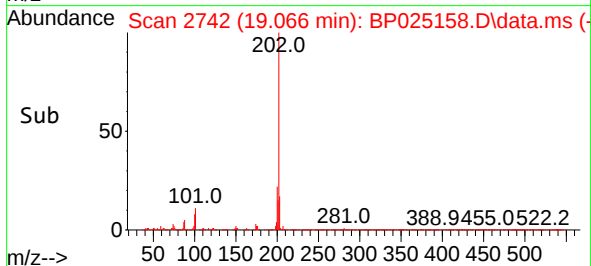
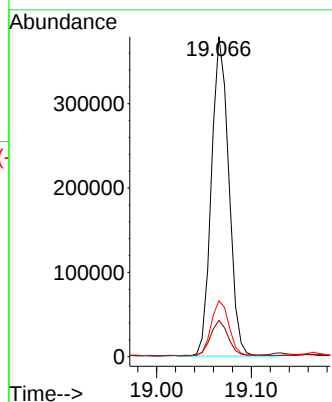
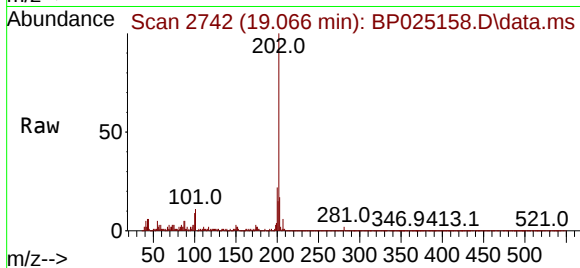
Tgt Ion:202 Resp: 480882

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.4

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.360 min Scan# 3132

Delta R.T. 0.018 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

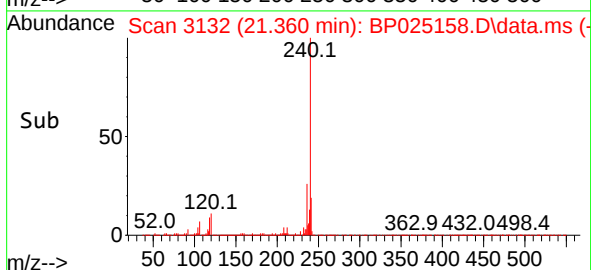
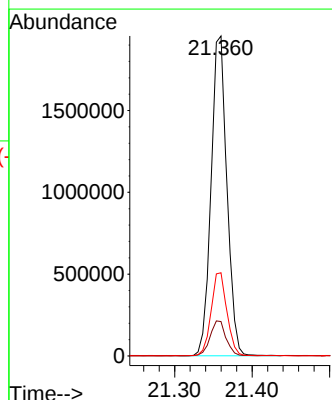
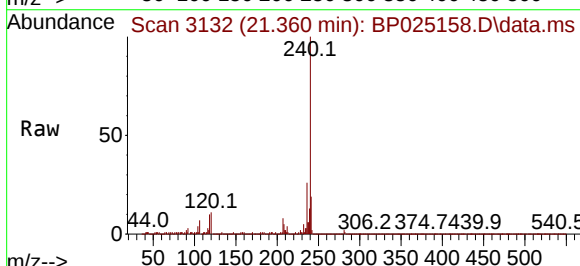
Tgt Ion:240 Resp: 2771587

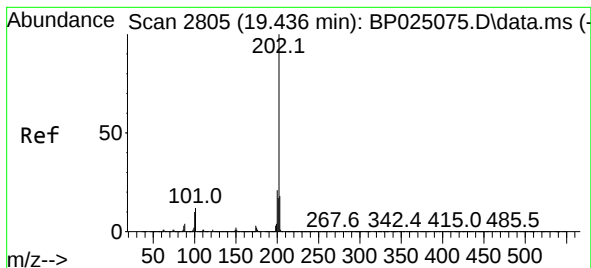
Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 26.0 20.3 30.5





#78

Pyrene

Concen: 2.982 ng

RT: 19.448 min Scan# 2807

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

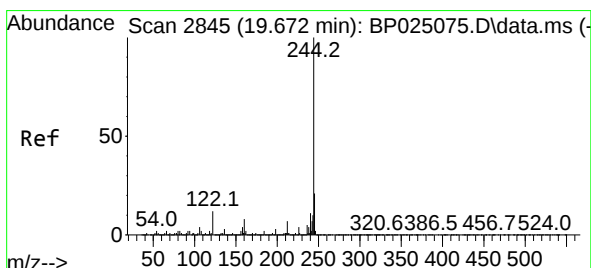
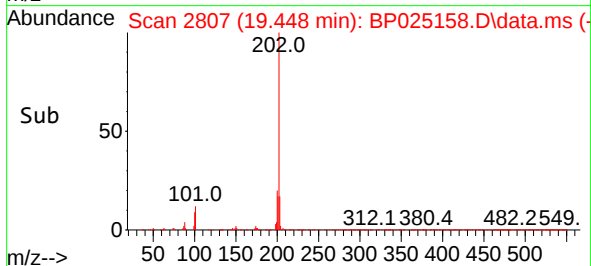
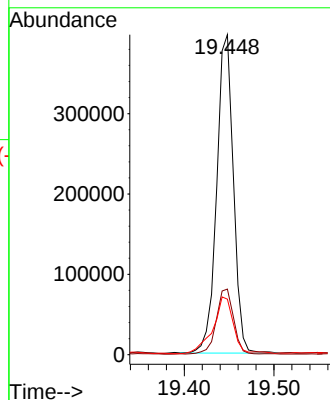
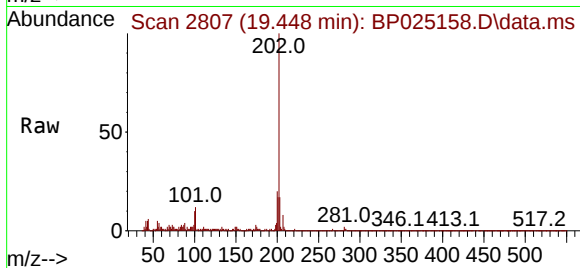
Tgt Ion:202 Resp: 511839

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.3 14.1 21.1



#79

Terphenyl-d14

Concen: 77.177 ng

RT: 19.683 min Scan# 2847

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

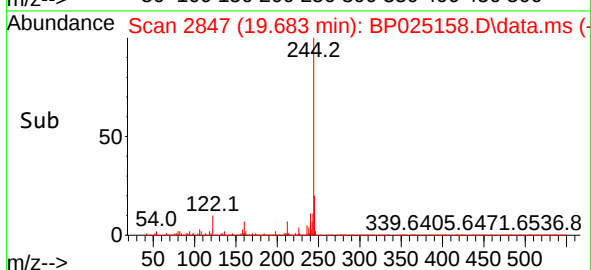
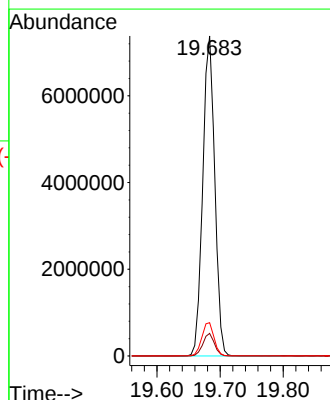
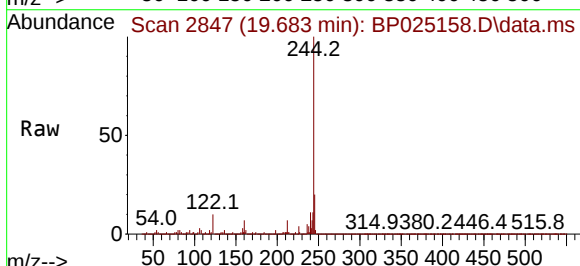
Tgt Ion:244 Resp: 9732683

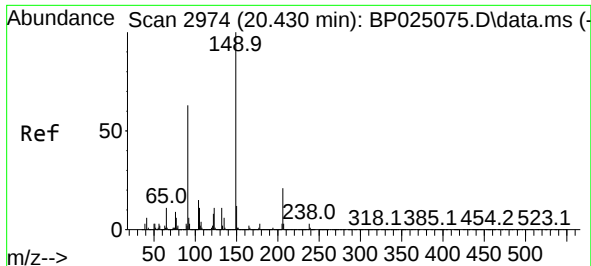
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.4 9.4 14.2

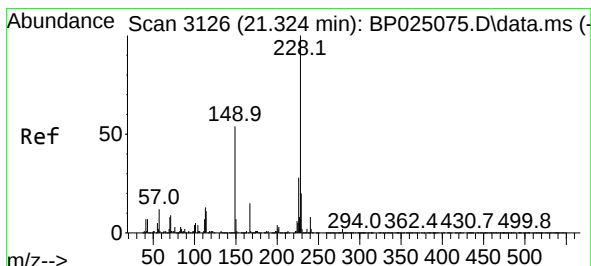
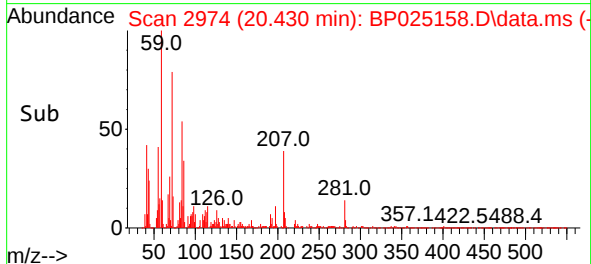
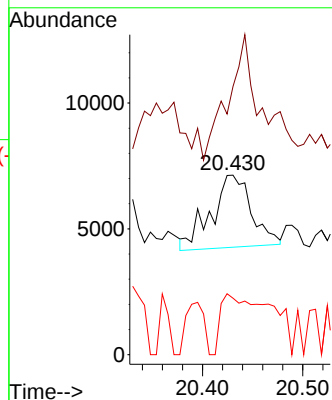
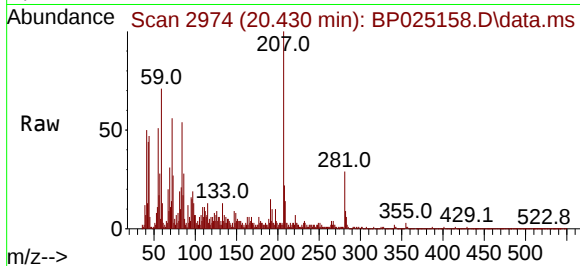




#80
 Butylbenzylphthalate
 Concen: 3.793 ng
 RT: 20.430 min Scan# 2974
 Delta R.T. 0.000 min
 Lab File: BP025158.D
 Acq: 16 Jul 2025 14:49

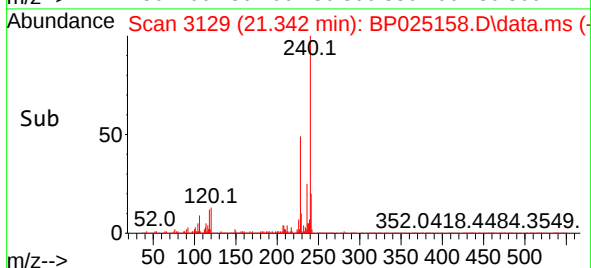
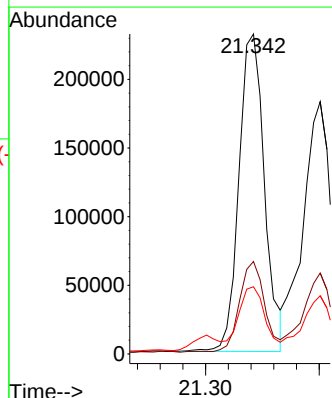
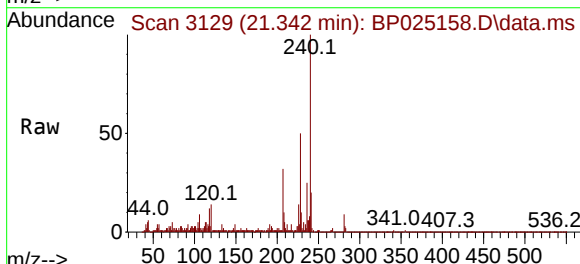
Instrument :
 BNA_P
 ClientSampleId :
 TP-16

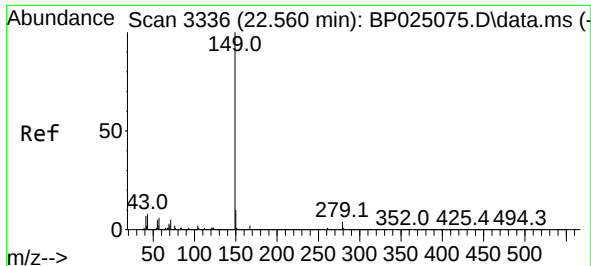
Tgt Ion:149 Resp: 7956
 Ion Ratio Lower Upper
 149 100
 91 149.4 50.6 76.0#
 206 31.4 17.2 25.8#



#81
 Benzo(a)anthracene
 Concen: 2.149 ng
 RT: 21.342 min Scan# 3129
 Delta R.T. 0.018 min
 Lab File: BP025158.D
 Acq: 16 Jul 2025 14:49

Tgt Ion:228 Resp: 360939
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.1 33.1
 229 21.0 16.0 24.0

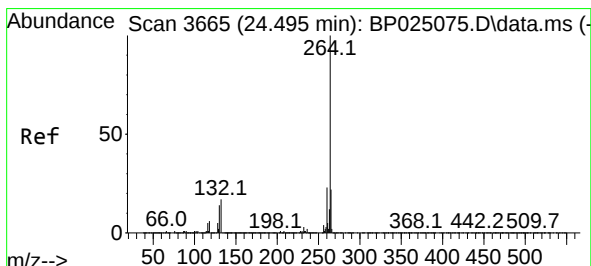
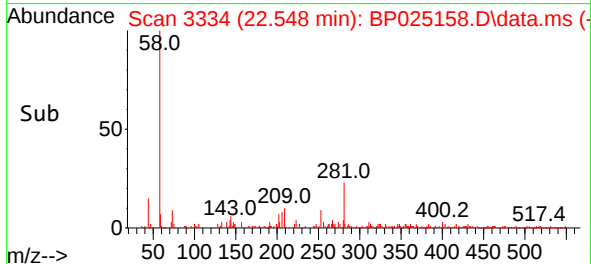
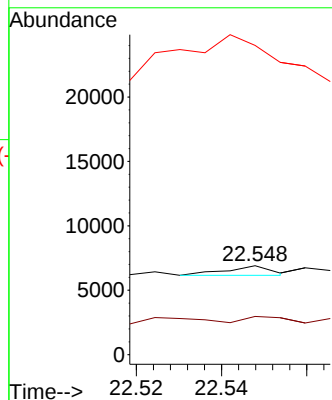
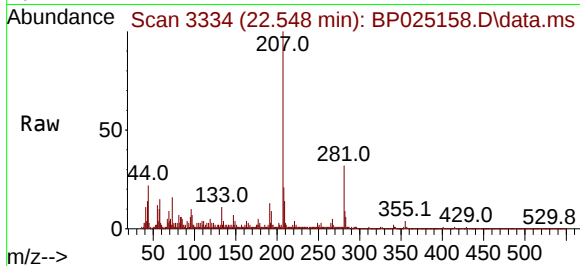




#85
Di-n-octyl phthalate
Concen: 6.102 ng
RT: 22.548 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

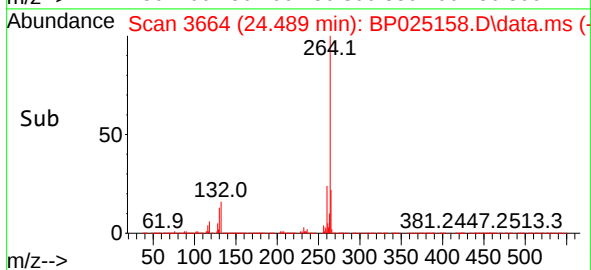
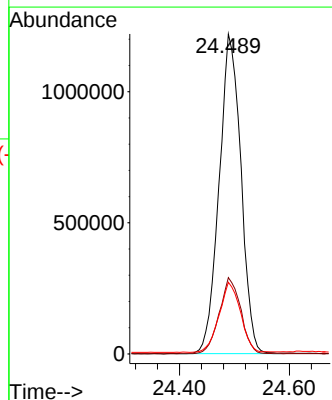
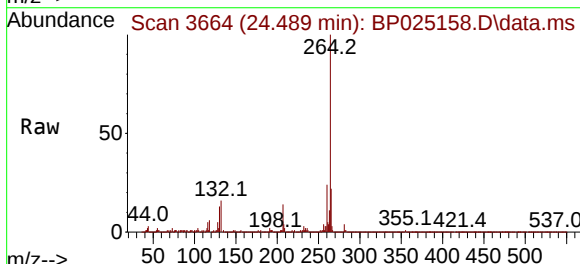
Instrument :
BNA_P
ClientSampleId :
TP-16

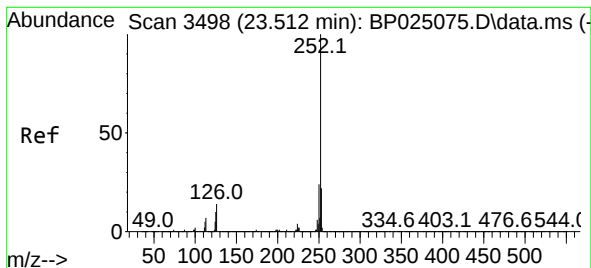
Tgt Ion:149 Resp: 538
Ion Ratio Lower Upper
149 100
167 115.6 1.3 1.9#
43 2013.6 6.9 10.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.489 min Scan# 3664
Delta R.T. -0.006 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion:264 Resp: 3351599
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.4 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 2.858 ng

RT: 23.501 min Scan# 3496

Delta R.T. -0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

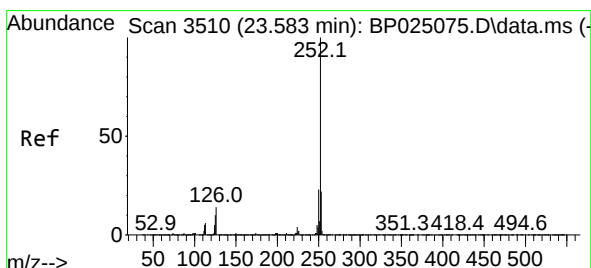
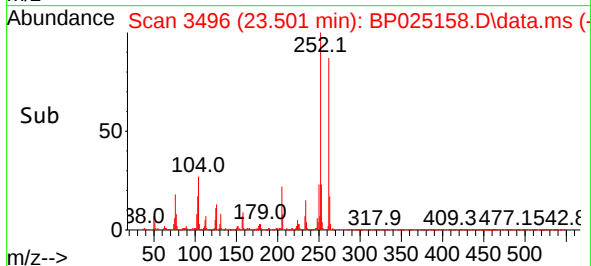
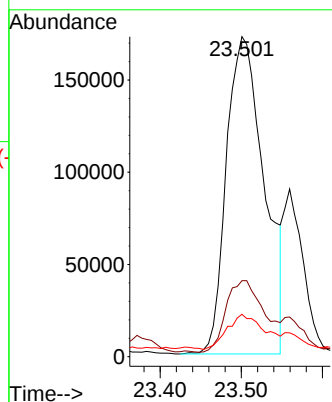
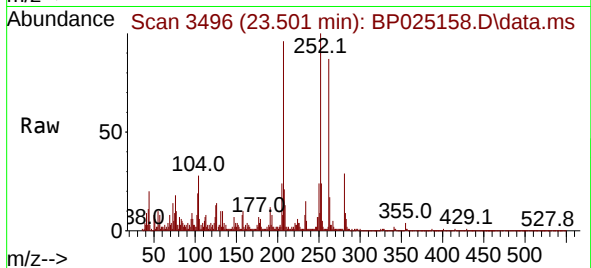
Tgt Ion:252 Resp: 557470

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 13.2 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 2.872 ng

RT: 23.501 min Scan# 3496

Delta R.T. -0.082 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

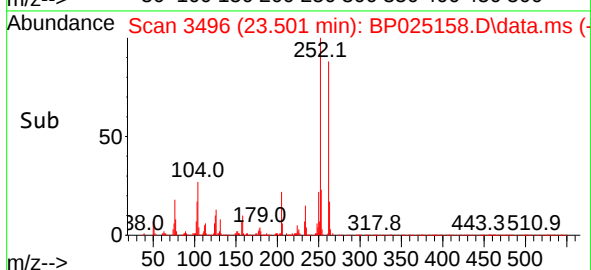
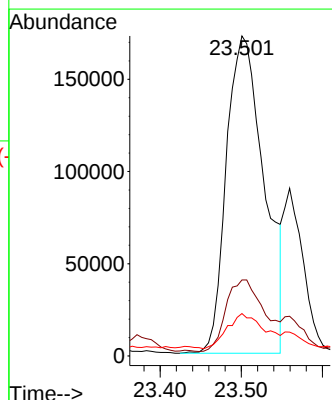
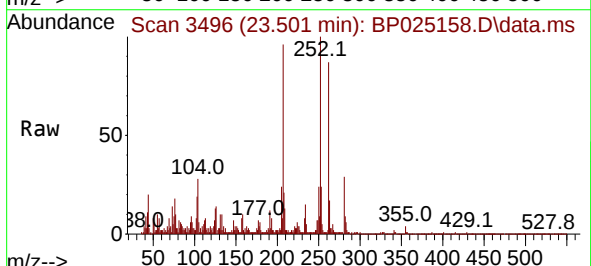
Tgt Ion:252 Resp: 557470

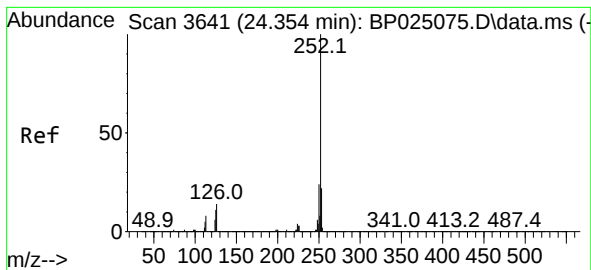
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 13.2 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 2.563 ng

RT: 24.330 min Scan# 30

Delta R.T. -0.023 min

Lab File: BP025158.D

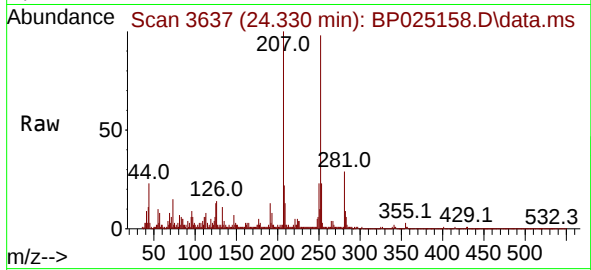
Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16



Tgt Ion:252 Resp: 425528

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 13.0 9.0 13.4

