

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071725\
 Data File : BP025182.D
 Acq On : 17 Jul 2025 17:44
 Operator : CG/JU
 Sample : Q2612-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-071525

Quant Time: Jul 17 18:25:55 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)

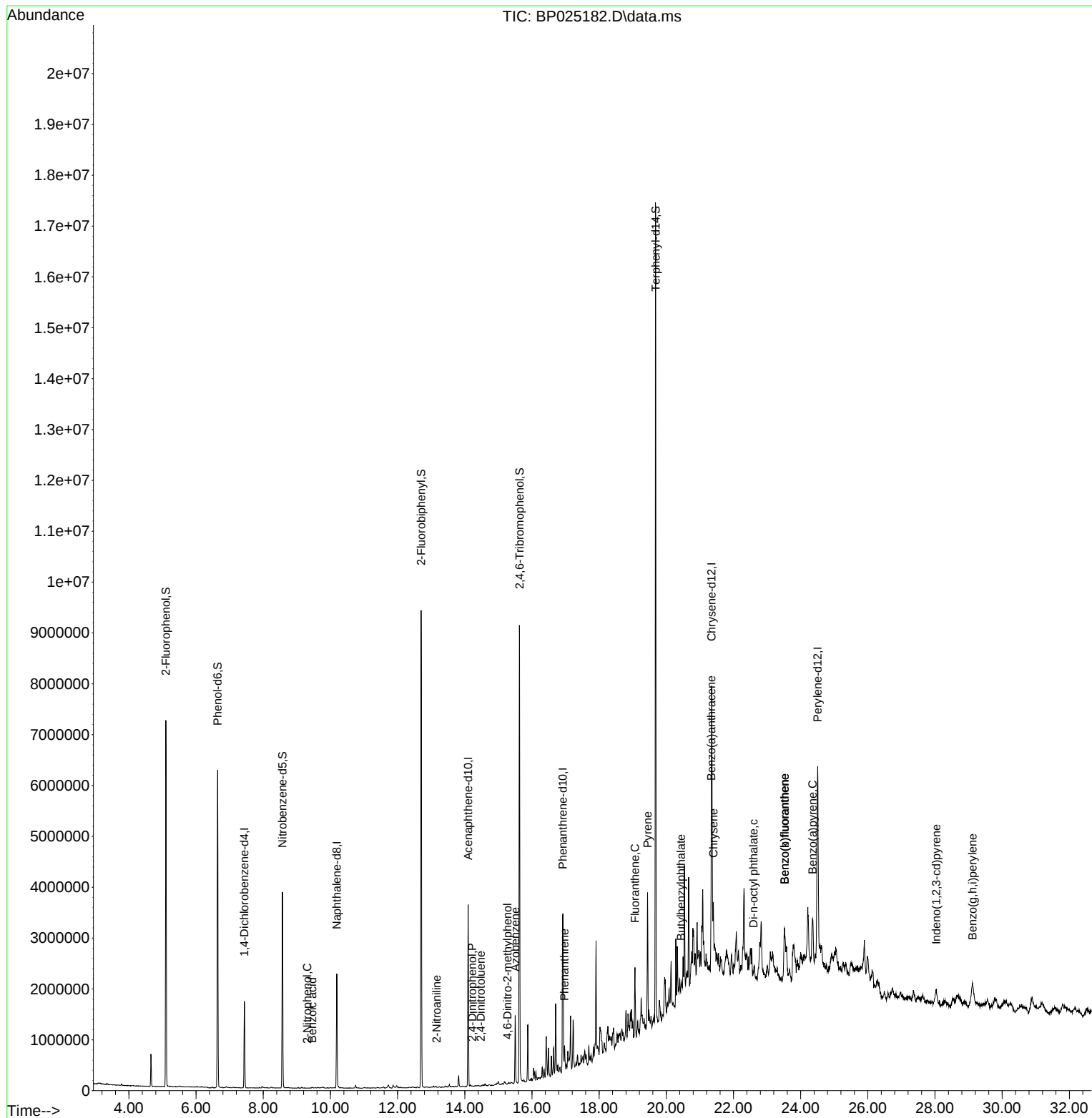
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	475336	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	1915958	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1247422	20.000	ng	0.01
64) Phenanthrene-d10	16.919	188	2518995	20.000	ng	0.01
76) Chrysene-d12	21.348	240	2700376	20.000	ng	0.00
86) Perylene-d12	24.507	264	3810819	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	3225682	120.240	ng	0.00
7) Phenol-d6	6.643	99	3426581	97.877	ng	0.01
23) Nitrobenzene-d5	8.572	82	2075848	72.055	ng	0.00
42) 2,4,6-Tribromophenol	15.631	330	1947437	132.153	ng	0.01
45) 2-Fluorobiphenyl	12.701	172	5113061	63.499	ng	0.00
79) Terphenyl-d14	19.683	244	7797736	63.464	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.307	139	107	3.309	ng	# 1
32) Benzoic acid	9.460	122	9406	6.612	ng	94
48) 2-Nitroaniline	13.166	65	520	2.794	ng	# 16
54) 2,4-Dinitrophenol	14.219	184	239	5.412	ng	# 1
57) 2,4-Dinitrotoluene	14.472	165	143	2.642	ng	# 59
63) Azobenzene	15.501	77	356926	4.570	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.272	198	335	5.605	ng	# 1
71) Phenanthrene	16.972	178	303601	2.256	ng	96
75) Fluoranthene	19.066	202	906041	5.759	ng	99
78) Pyrene	19.442	202	1867622	11.166	ng	99
80) Butylbenzylphthalate	20.436	149	49498	4.391	ng	# 71
81) Benzo(a)anthracene	21.336	228	773114	4.724	ng	# 86
83) Chrysene	21.401	228	1117387	7.095	ng	# 96
85) Di-n-octyl phthalate	22.595	149	3234	6.116	ng	# 1
87) Indeno(1,2,3-cd)pyrene	28.042	276	522625	2.153	ng	# 86
88) Benzo(b)fluoranthene	23.524	252	1141262	5.145	ng	# 96
89) Benzo(k)fluoranthene	23.524	252	1141262	5.171	ng	# 96
90) Benzo(a)pyrene	24.354	252	1035014	5.483	ng	98
92) Benzo(g,h,i)perylene	29.118	276	597463	2.882	ng	96

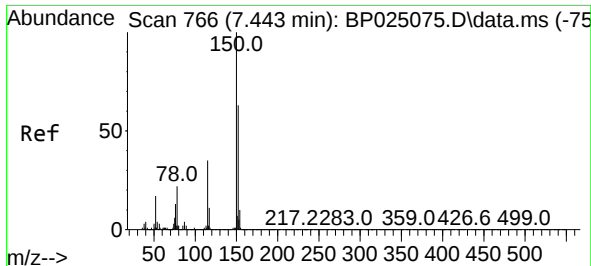
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071725\
Data File : BP025182.D
Acq On : 17 Jul 2025 17:44
Operator : CG/JU
Sample : Q2612-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-071525

Quant Time: Jul 17 18:25:55 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

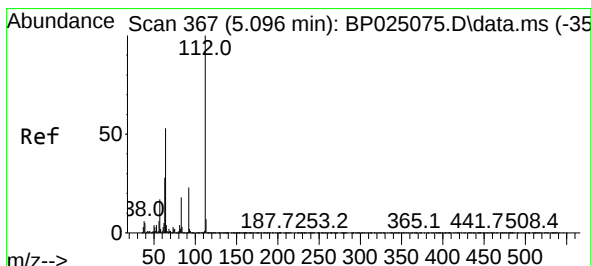
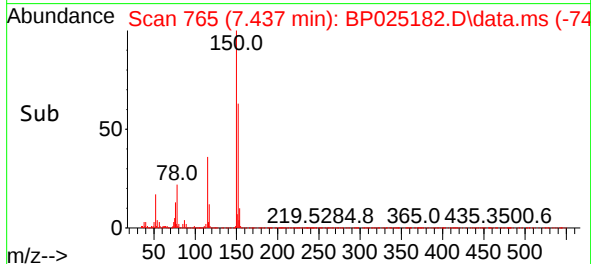
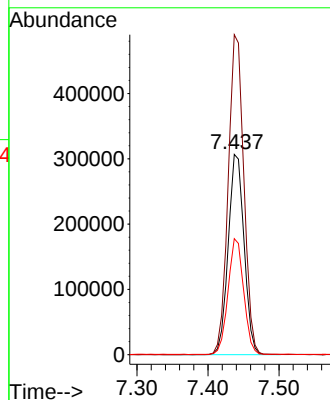
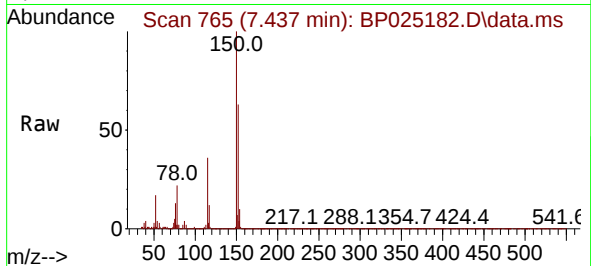




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

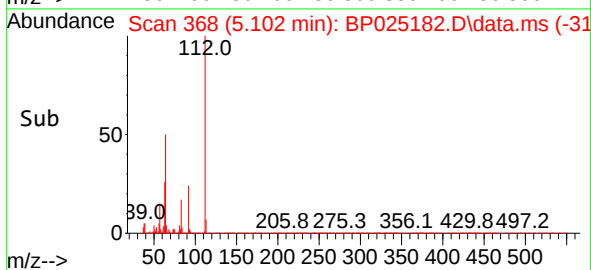
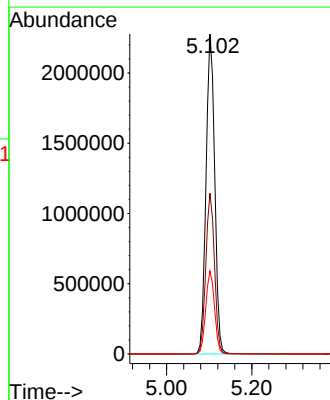
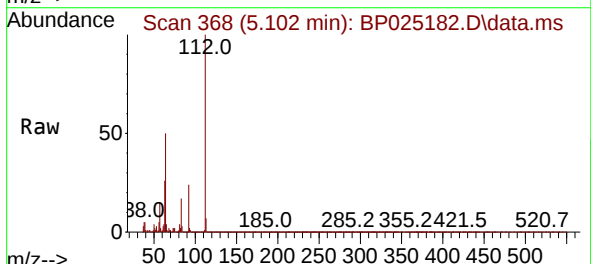
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

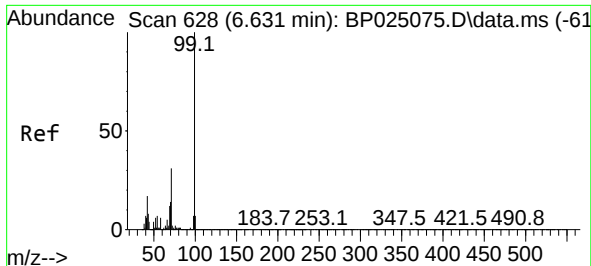
Tgt Ion:152 Resp: 475336
Ion Ratio Lower Upper
152 100
150 159.7 126.1 189.1
115 57.9 44.3 66.5



#5
2-Fluorophenol
Concen: 120.240 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:112 Resp: 3225682
Ion Ratio Lower Upper
112 100
64 50.2 42.0 63.0
63 25.9 22.2 33.2

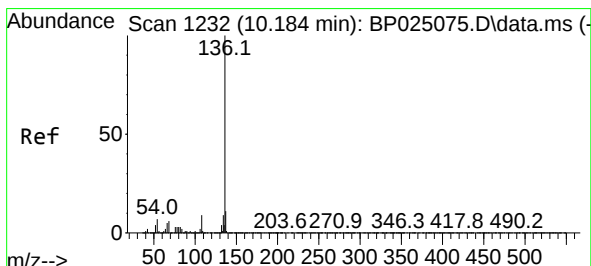
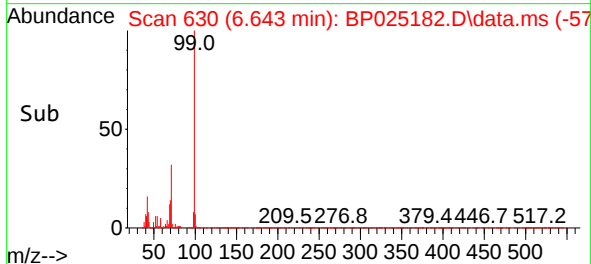
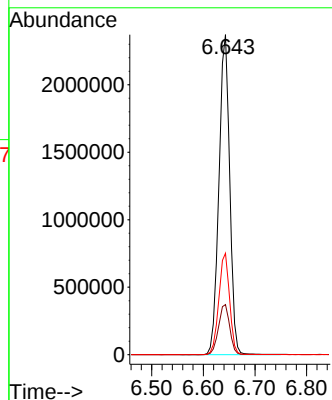
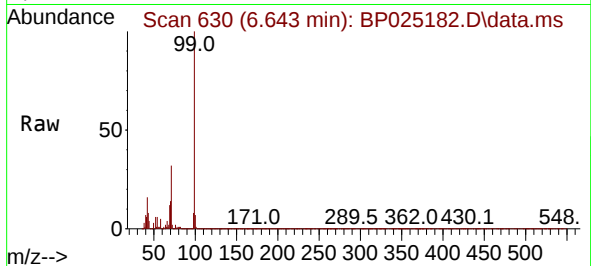




#7
Phenol-d6
Concen: 97.877 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

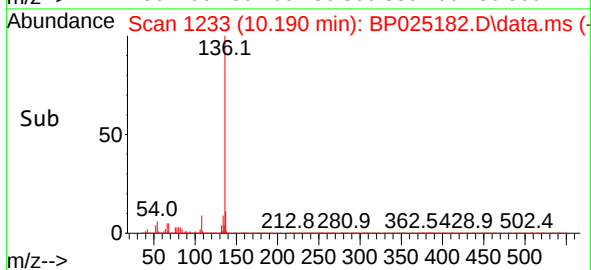
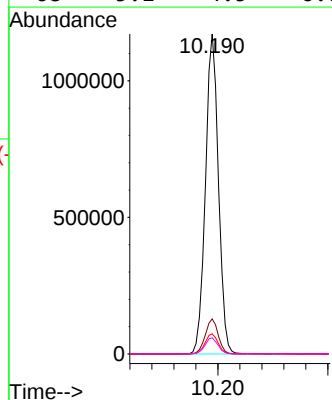
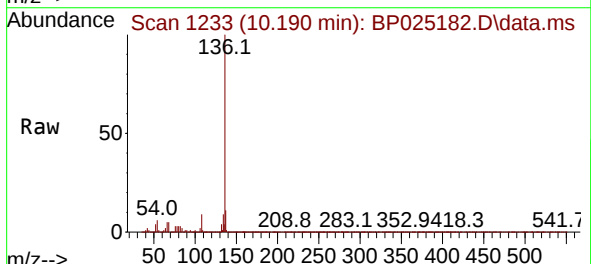
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

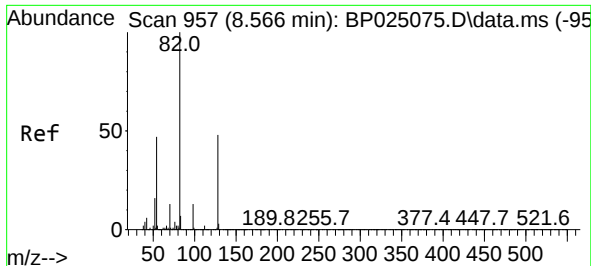
Tgt Ion: 99 Resp: 3426581
Ion Ratio Lower Upper
99 100
42 15.6 13.6 20.4
71 31.7 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:136 Resp: 1915958
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.3 5.4 8.2
68 5.1 4.5 6.7

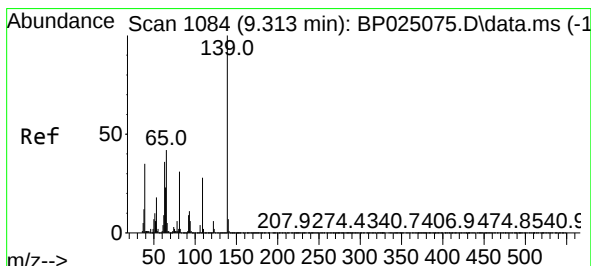
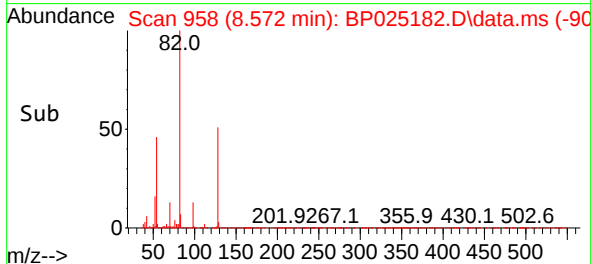
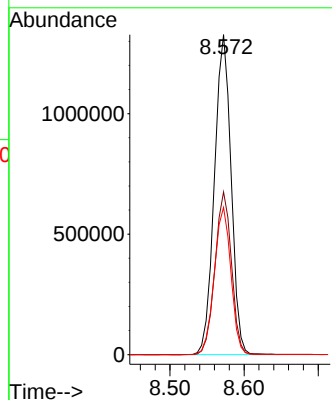
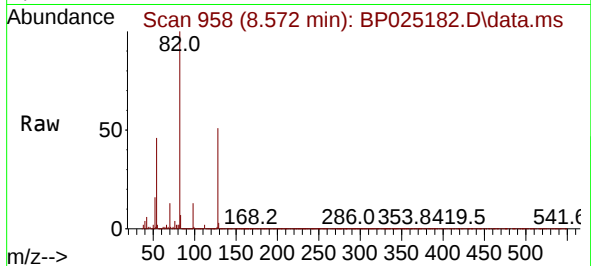




#23
Nitrobenzene-d5
Concen: 72.055 ng
RT: 8.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

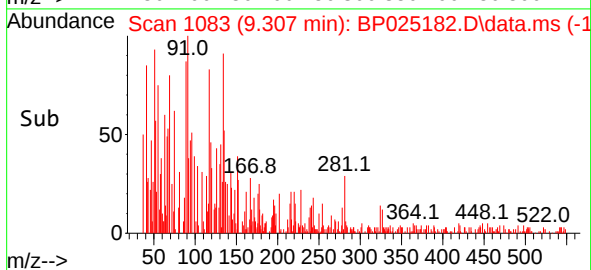
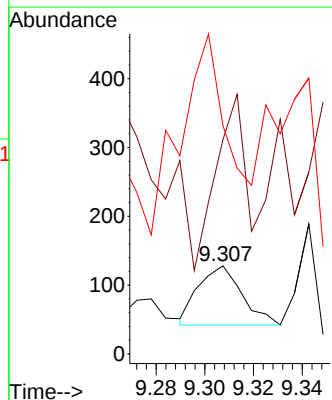
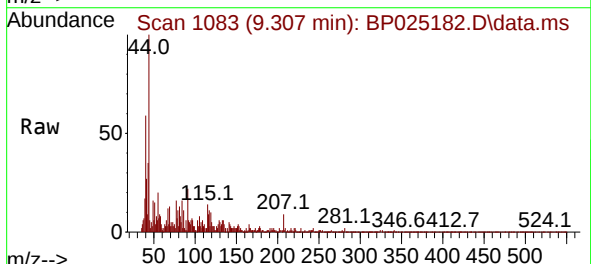
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

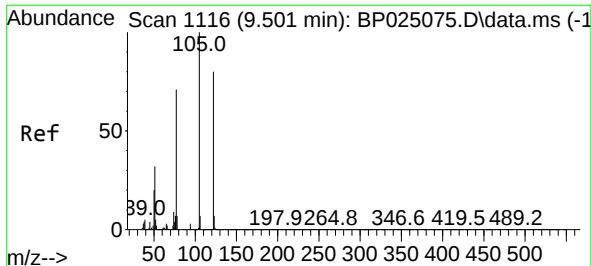
Tgt Ion: 82 Resp: 2075848
Ion Ratio Lower Upper
82 100
128 50.9 38.4 57.6
54 46.0 37.8 56.6



#26
2-Nitrophenol
Concen: 3.309 ng
RT: 9.307 min Scan# 1083
Delta R.T. -0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:139 Resp: 107
Ion Ratio Lower Upper
139 100
109 243.0 22.3 33.5#
65 259.4 33.8 50.8#

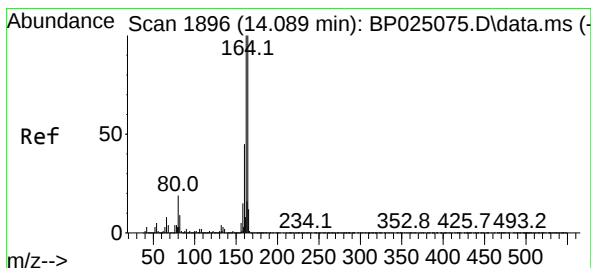
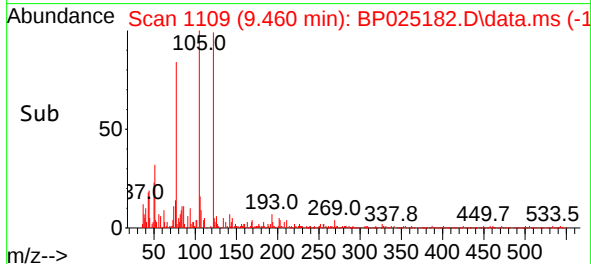
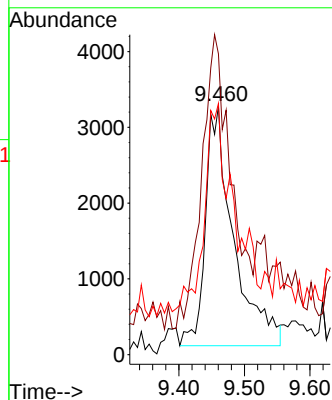
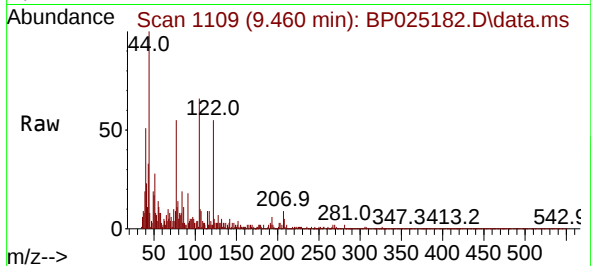




#32
Benzoic acid
Concen: 6.612 ng
RT: 9.460 min Scan# 1116
Delta R.T. -0.041 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

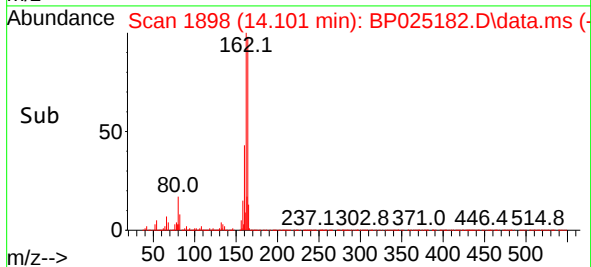
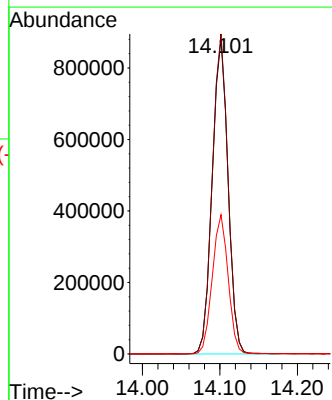
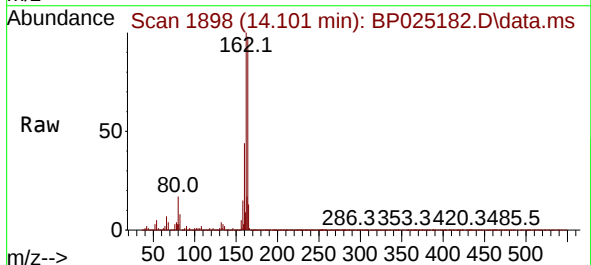
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

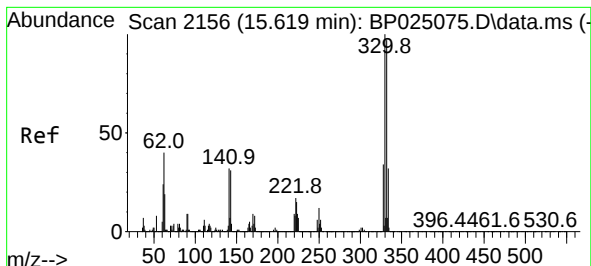
Tgt Ion:122 Resp: 9406
Ion Ratio Lower Upper
122 100
105 121.0 101.0 141.0
77 101.1 67.6 107.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.101 min Scan# 1898
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:164 Resp: 1247422
Ion Ratio Lower Upper
164 100
162 101.6 80.3 120.5
160 44.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 132.153 ng

RT: 15.631 min Scan# 2156

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

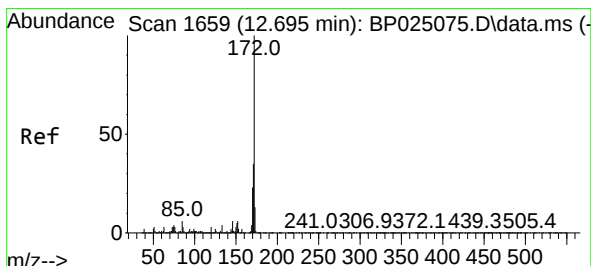
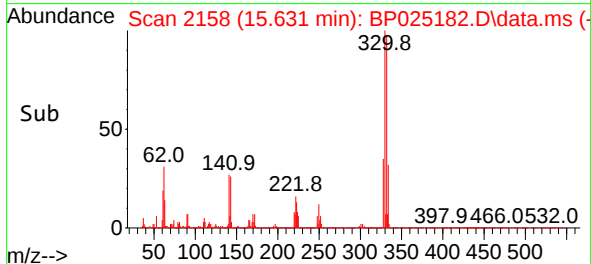
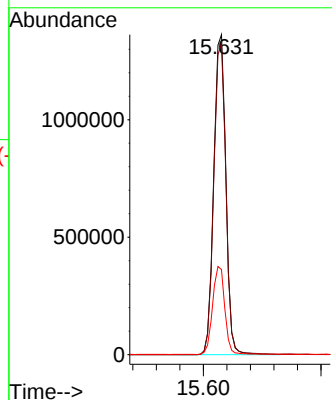
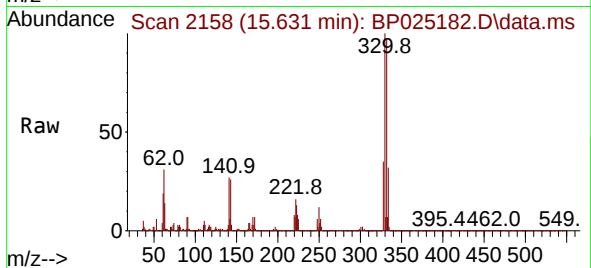
Tgt Ion:330 Resp: 1947437

Ion Ratio Lower Upper

330 100

332 97.2 77.7 116.5

141 27.7 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 63.499 ng

RT: 12.701 min Scan# 1660

Delta R.T. 0.006 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

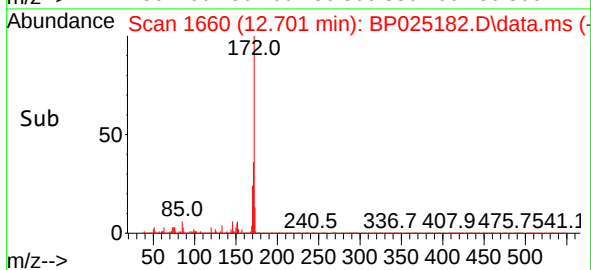
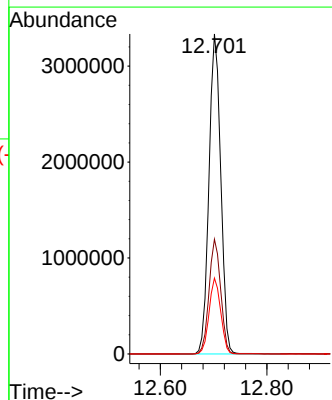
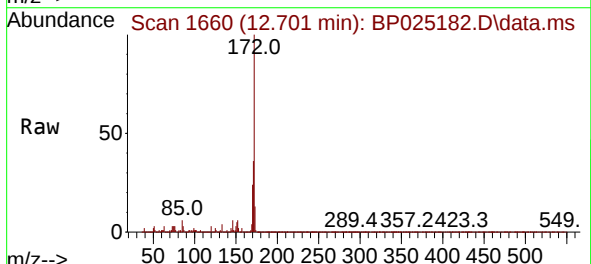
Tgt Ion:172 Resp: 5113061

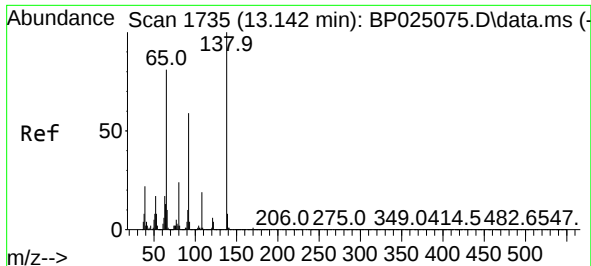
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

170 23.7 18.7 28.1

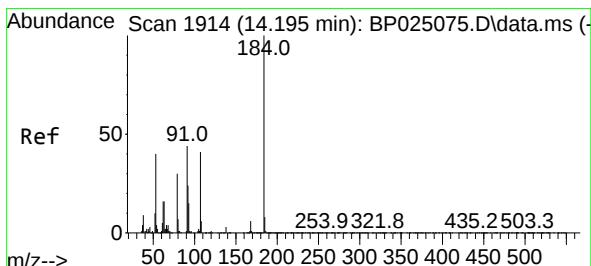
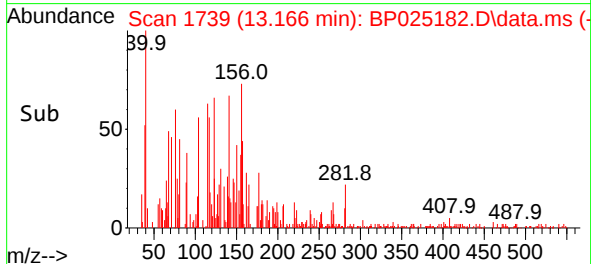
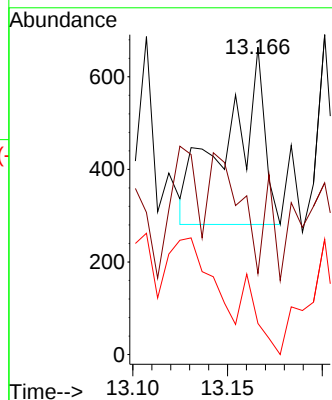
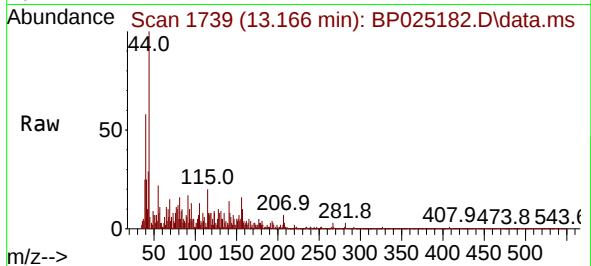




#48
2-Nitroaniline
Concen: 2.794 ng
RT: 13.166 min Scan# 11
Delta R.T. 0.024 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

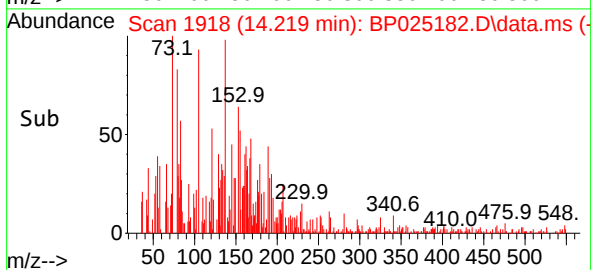
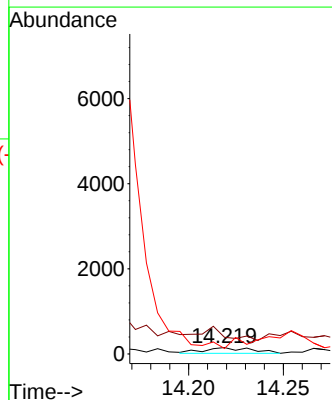
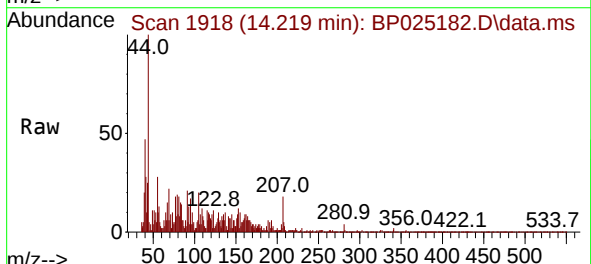
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

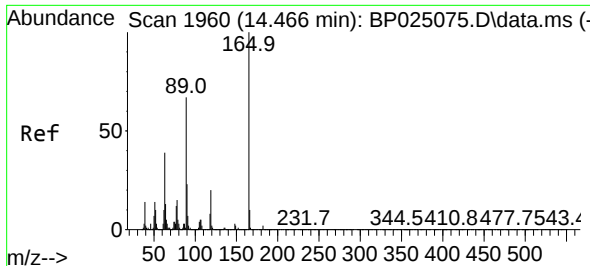
Tgt Ion: 65 Resp: 520
Ion Ratio Lower Upper
65 100
92 26.4 58.7 88.1#
138 10.1 99.0 148.4#



#54
2,4-Dinitrophenol
Concen: 5.412 ng
RT: 14.219 min Scan# 1918
Delta R.T. 0.024 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion: 184 Resp: 239
Ion Ratio Lower Upper
184 100
63 258.9 47.4 71.0#
154 83.4 47.8 71.8#

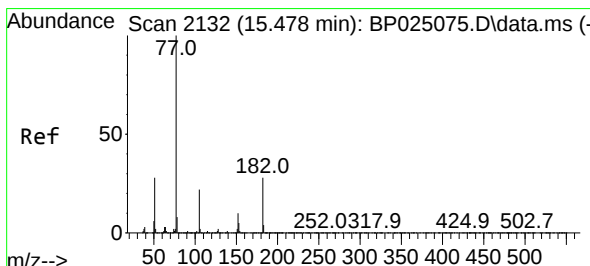
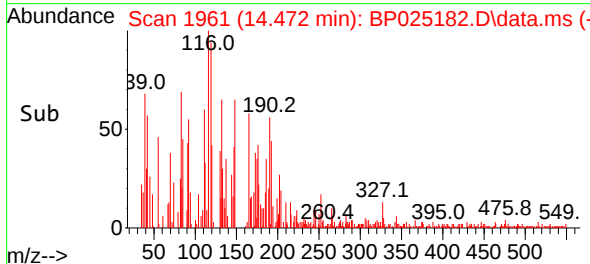
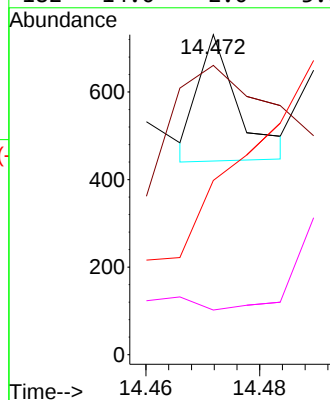
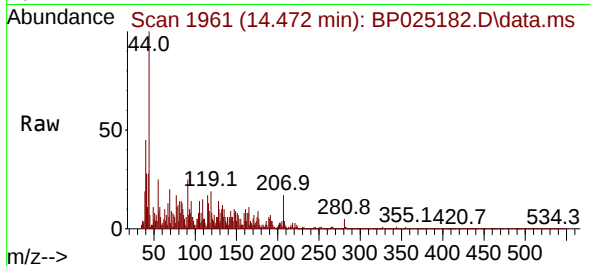




#57
2,4-Dinitrotoluene
Concen: 2.642 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

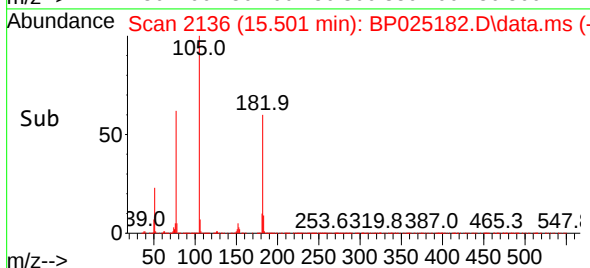
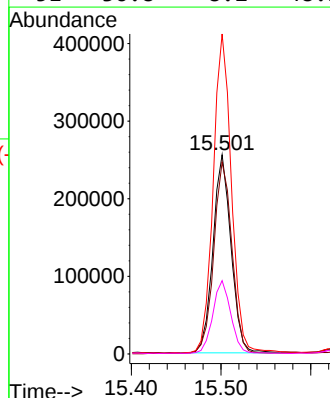
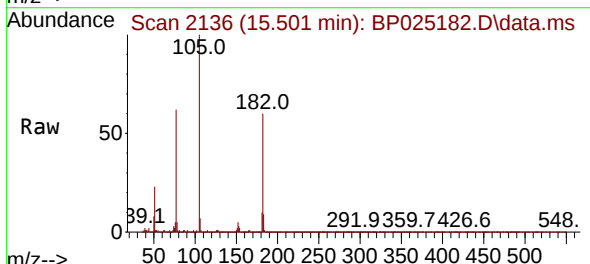
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

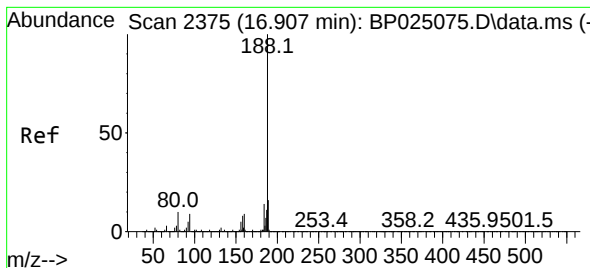
Tgt Ion:165 Resp: 143
Ion Ratio Lower Upper
165 100
63 90.4 31.0 46.4#
89 54.4 53.4 80.0
182 14.0 2.0 3.0#



#63
Azobenzene
Concen: 4.570 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.024 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion: 77 Resp: 356926
Ion Ratio Lower Upper
77 100
182 96.4 7.7 47.7#
105 160.6 1.9 41.9#
51 36.8 8.2 48.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.919 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

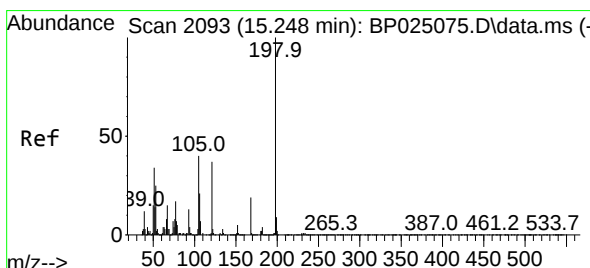
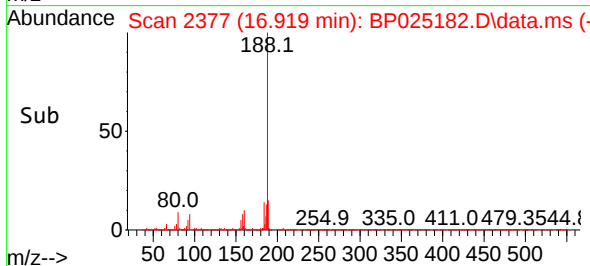
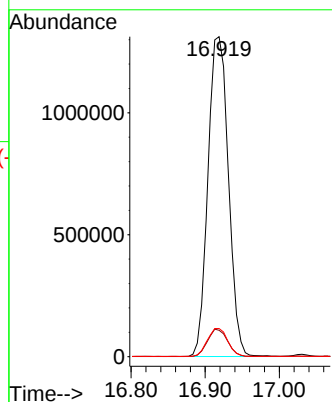
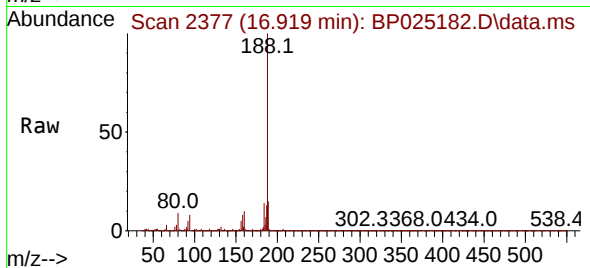
Tgt Ion:188 Resp: 2518995

Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

80 8.8 7.8 11.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.605 ng

RT: 15.272 min Scan# 2097

Delta R.T. 0.024 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

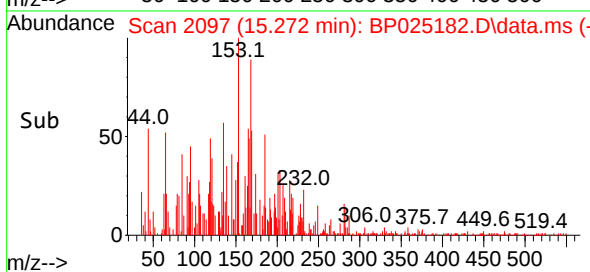
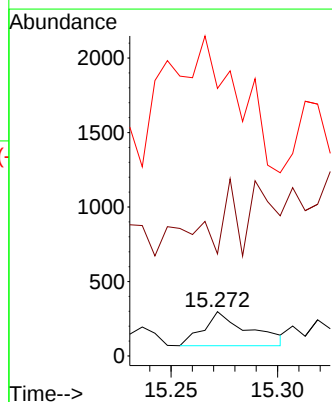
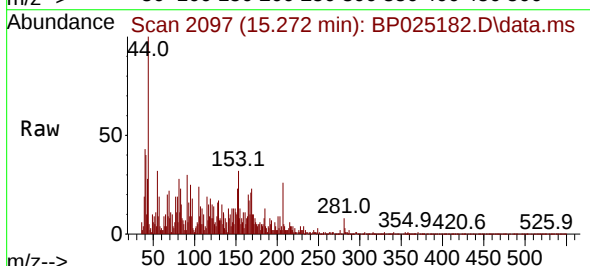
Tgt Ion:198 Resp: 335

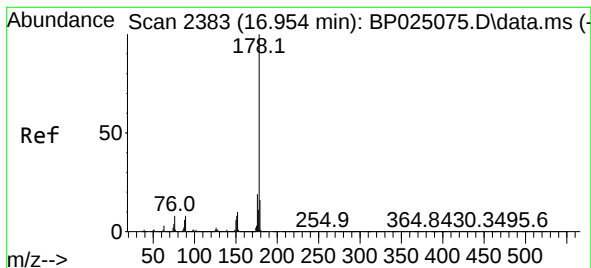
Ion Ratio Lower Upper

198 100

51 230.2 16.8 56.8#

105 602.7 20.8 60.8#





#71

Phenanthrene

Concen: 2.256 ng

RT: 16.972 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

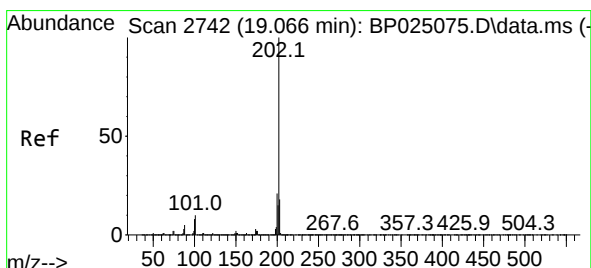
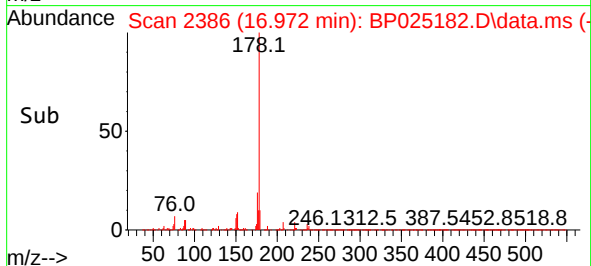
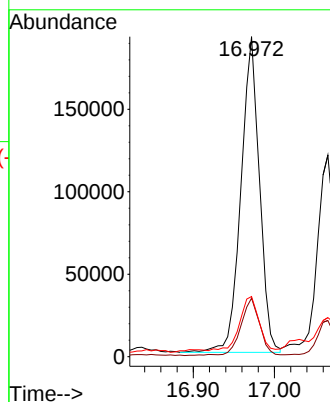
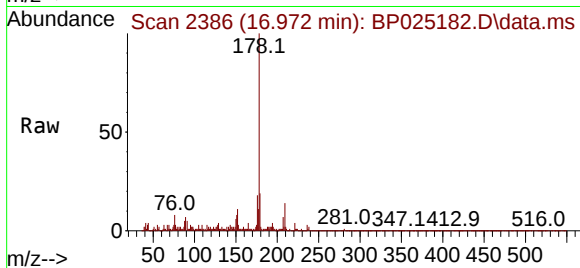
Tgt Ion:178 Resp: 303601

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 18.8 12.6 19.0



#75

Fluoranthene

Concen: 5.759 ng

RT: 19.066 min Scan# 2742

Delta R.T. 0.000 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

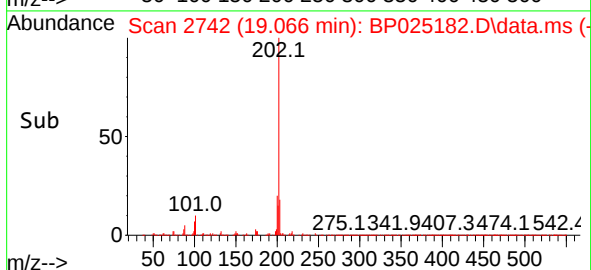
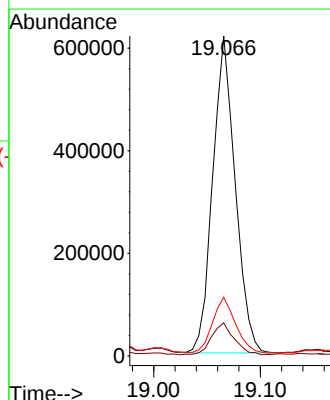
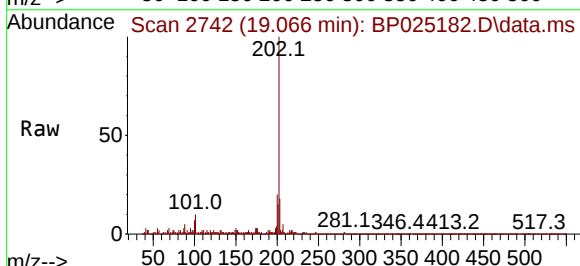
Tgt Ion:202 Resp: 906041

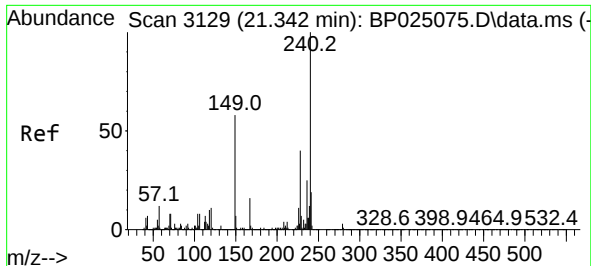
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.4

203 18.3 0.0 37.6

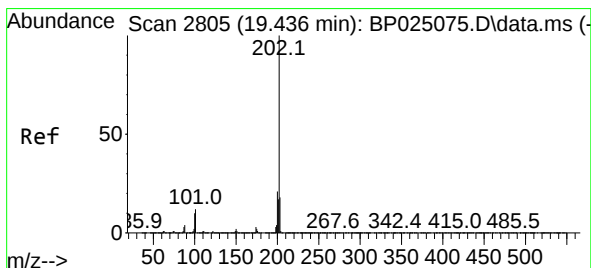
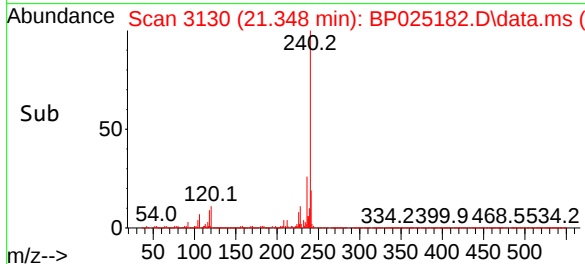
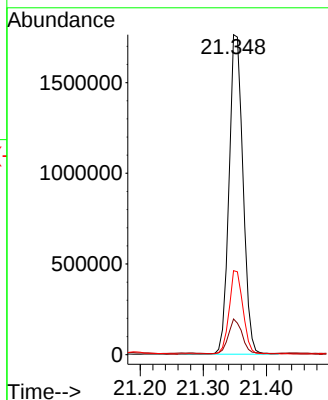
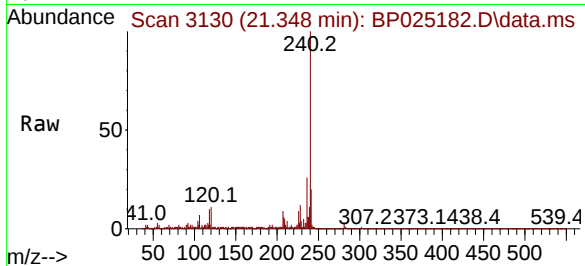




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.348 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

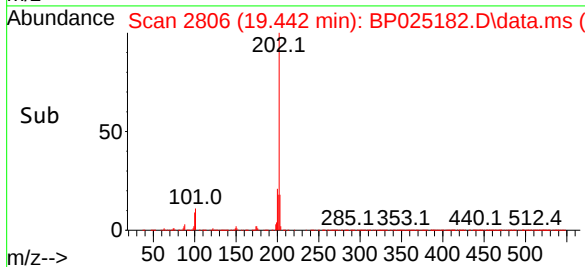
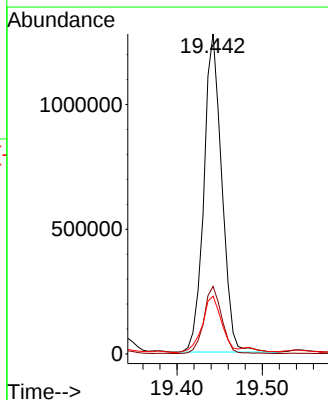
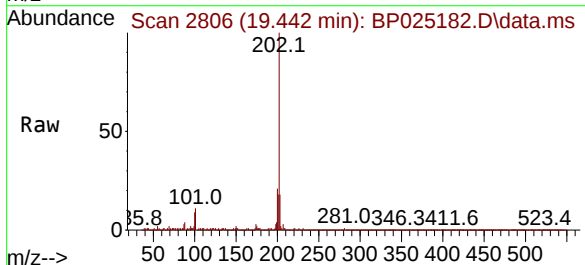
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

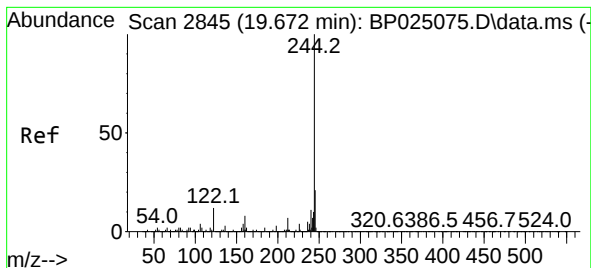
Tgt Ion:240 Resp: 2700376
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.4
236 26.2 20.3 30.5



#78
Pyrene
Concen: 11.166 ng
RT: 19.442 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:202 Resp: 1867622
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 63.464 ng

RT: 19.683 min Scan# 2847

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

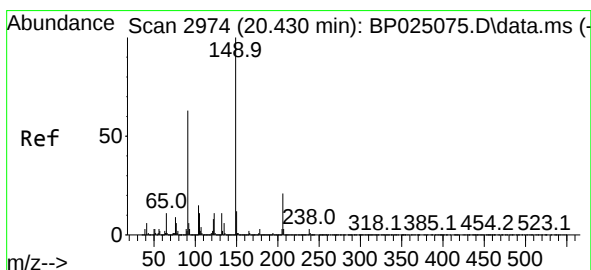
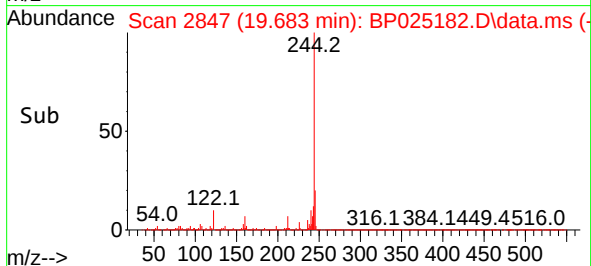
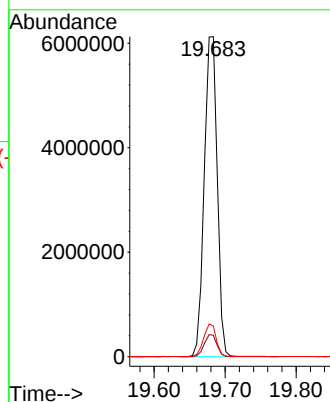
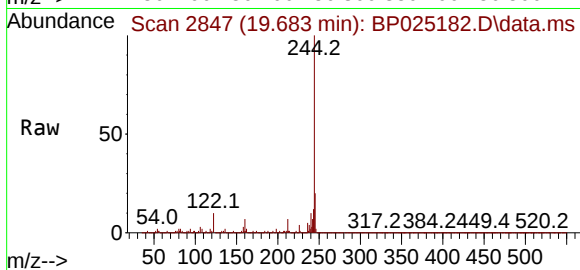
Tgt Ion:244 Resp: 7797736

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 9.6 9.4 14.2



#80

Butylbenzylphthalate

Concen: 4.391 ng

RT: 20.436 min Scan# 2975

Delta R.T. 0.006 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

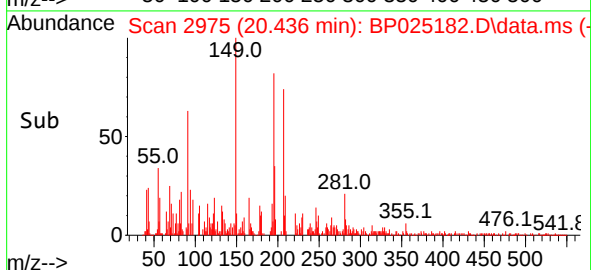
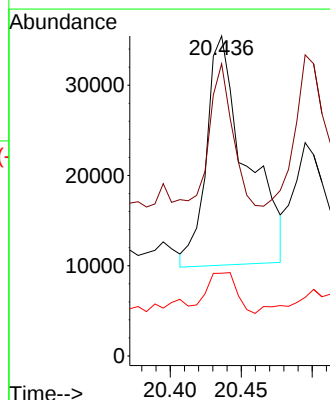
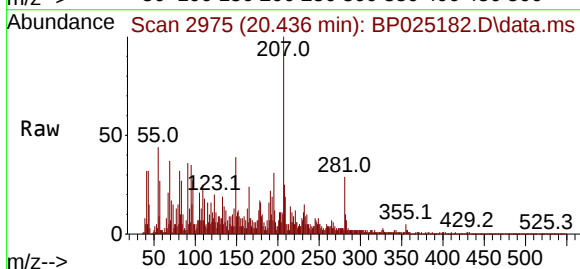
Tgt Ion:149 Resp: 49498

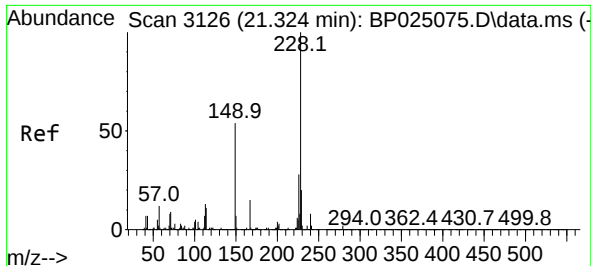
Ion Ratio Lower Upper

149 100

91 91.3 50.6 76.0#

206 25.9 17.2 25.8#

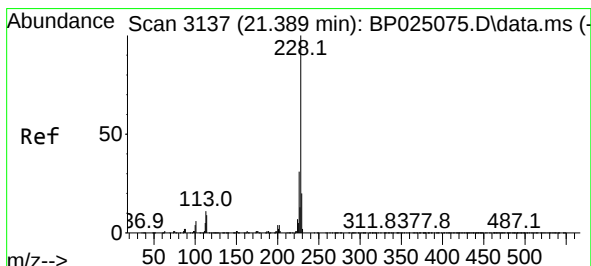
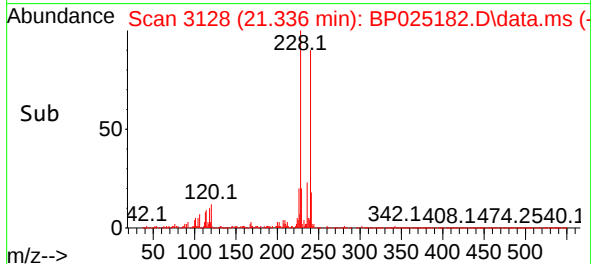
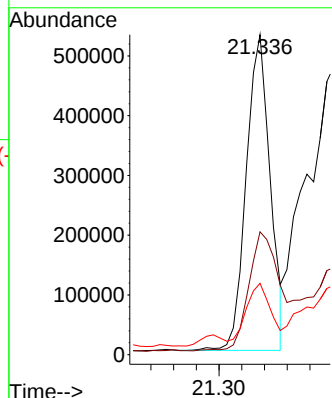
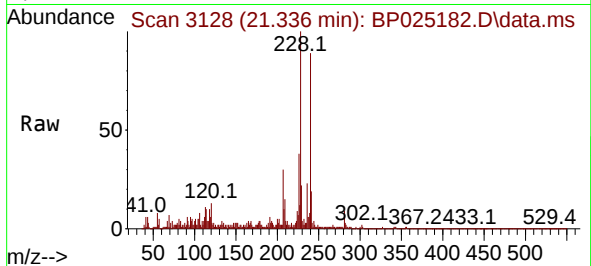




#81
Benzo(a)anthracene
Concen: 4.724 ng
RT: 21.336 min Scan# 3126
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

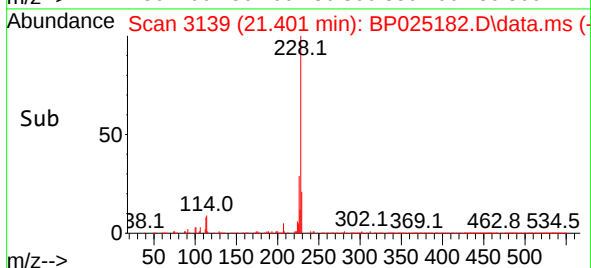
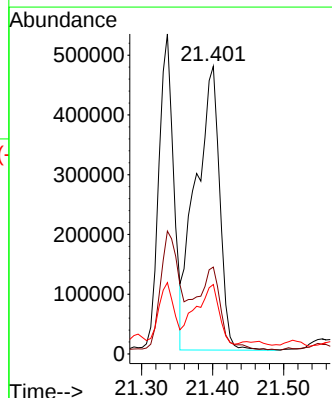
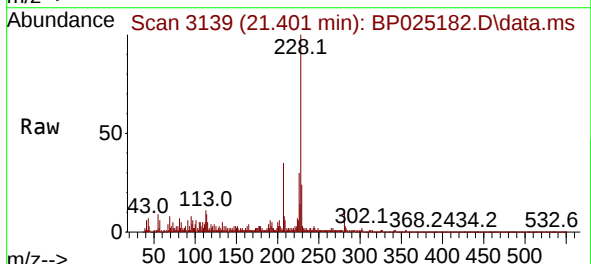
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

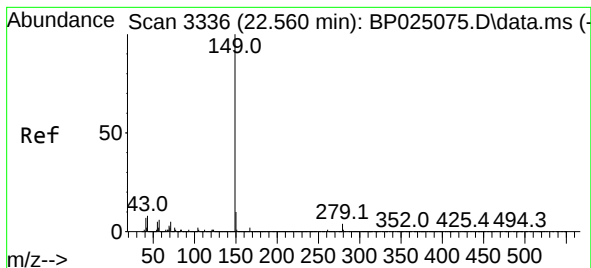
Tgt Ion:228 Resp: 773114
Ion Ratio Lower Upper
228 100
226 38.4 22.1 33.1#
229 22.3 16.0 24.0



#83
Chrysene
Concen: 7.095 ng
RT: 21.401 min Scan# 3139
Delta R.T. 0.012 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:228 Resp: 1117387
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 24.1 16.0 24.0#





#85

Di-n-octyl phthalate

Concen: 6.116 ng

RT: 22.595 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

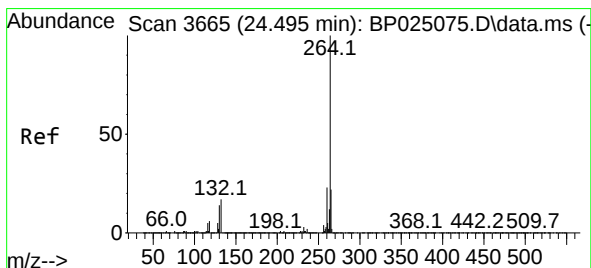
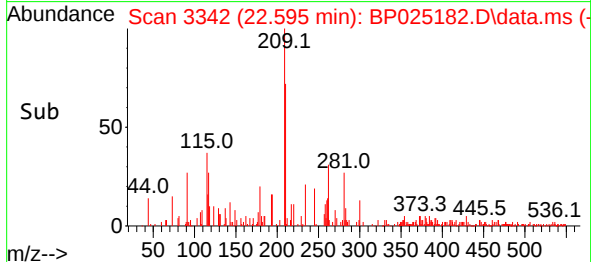
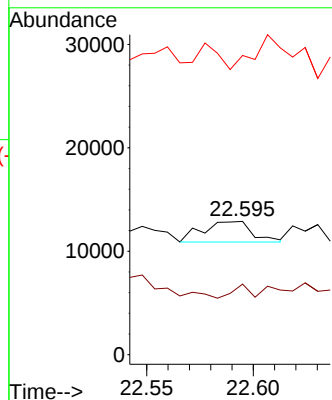
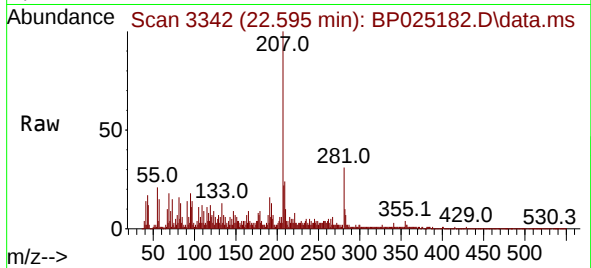
Tgt Ion:149 Resp: 3234

Ion Ratio Lower Upper

149 100

167 21.0 1.3 1.9#

43 178.0 6.9 10.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.507 min Scan# 3667

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

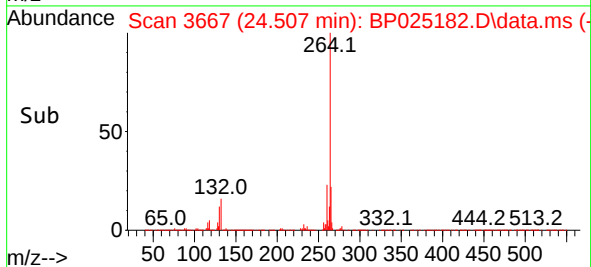
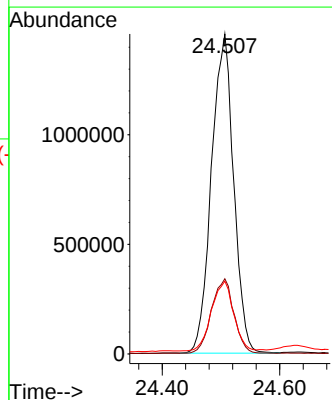
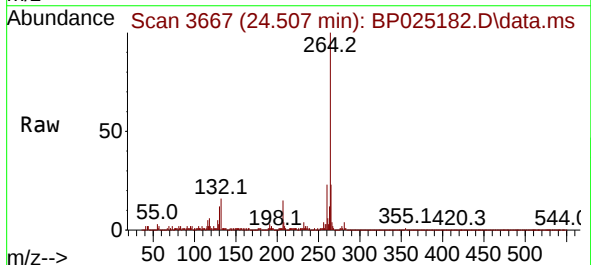
Tgt Ion:264 Resp: 3810819

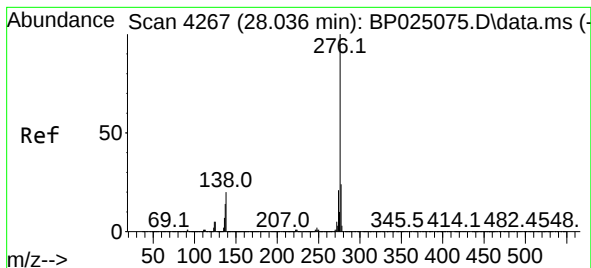
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.8 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.153 ng

RT: 28.042 min Scan# 41

Delta R.T. 0.006 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

Instrument :

BNA_P

ClientSampleId :

OR-02-071525

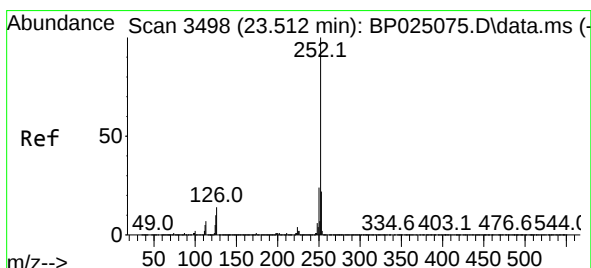
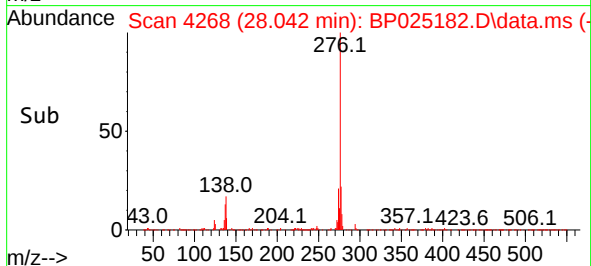
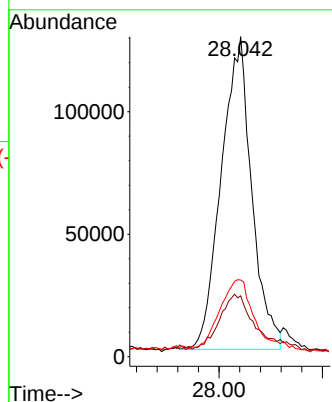
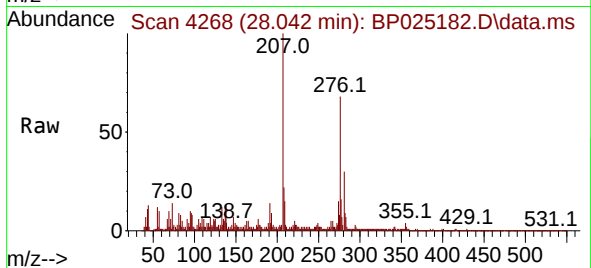
Tgt Ion:276 Resp: 522625

Ion Ratio Lower Upper

276 100

138 21.2 13.0 19.6#

277 27.5 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 5.145 ng

RT: 23.524 min Scan# 3500

Delta R.T. 0.012 min

Lab File: BP025182.D

Acq: 17 Jul 2025 17:44

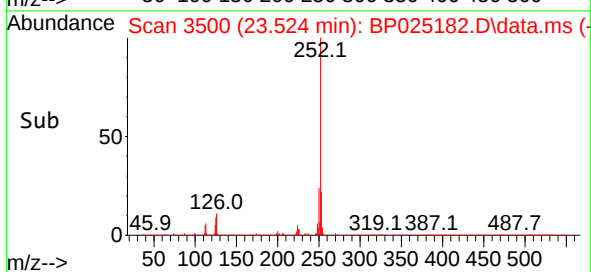
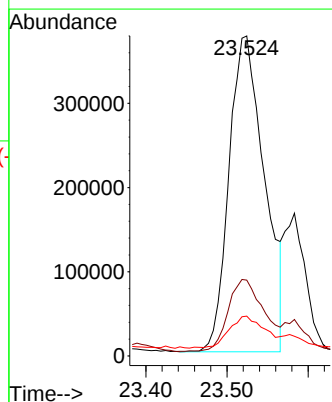
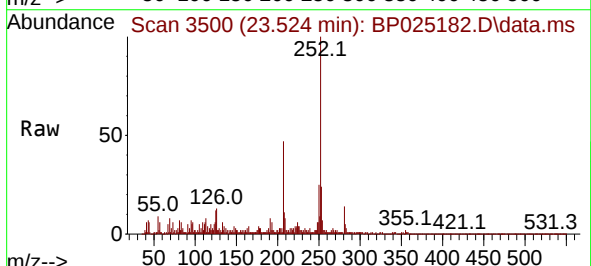
Tgt Ion:252 Resp: 1141262

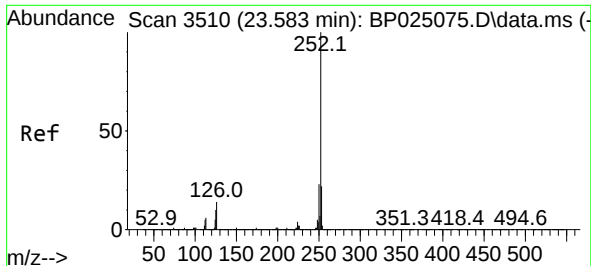
Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 12.5 8.1 12.1#

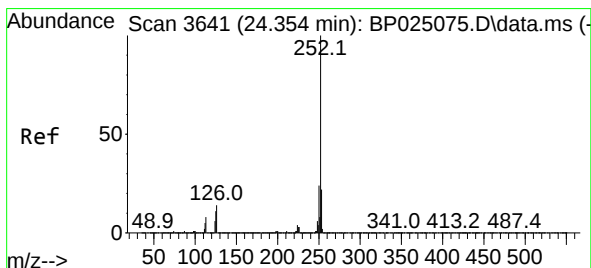
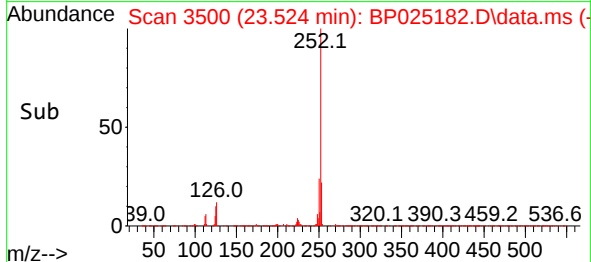
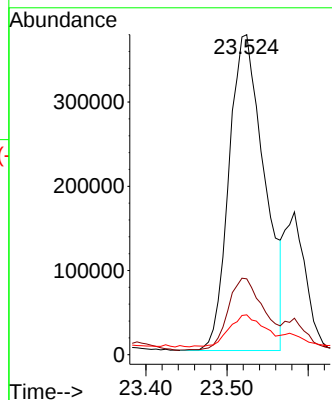
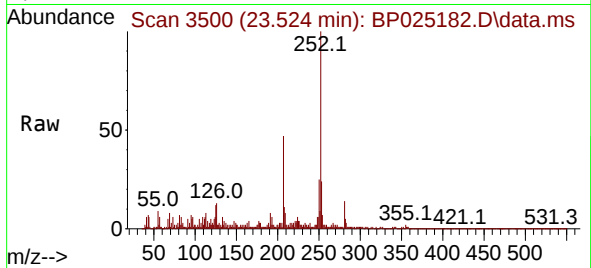




#89
Benzo(k)fluoranthene
Concen: 5.171 ng
RT: 23.524 min Scan# 3500
Delta R.T. -0.059 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

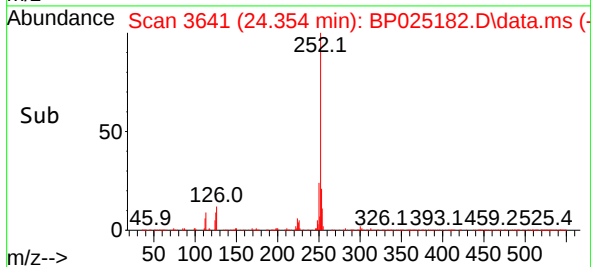
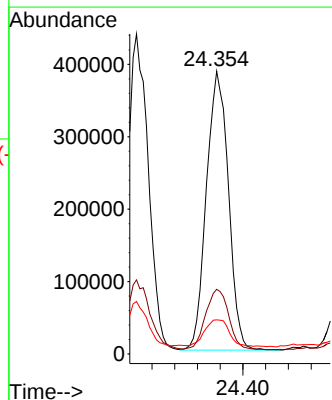
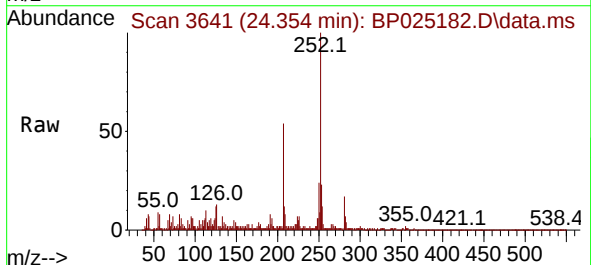
Instrument :
BNA_P
ClientSampleId :
OR-02-071525

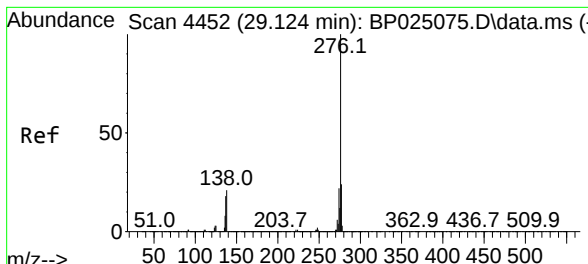
Tgt Ion:252 Resp: 1141262
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 12.5 8.2 12.2#



#90
Benzo(a)pyrene
Concen: 5.483 ng
RT: 24.354 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BP025182.D
Acq: 17 Jul 2025 17:44

Tgt Ion:252 Resp: 1035014
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.0 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.882 ng
 RT: 29.118 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: BP025182.D
 Acq: 17 Jul 2025 17:44

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-071525

Tgt Ion: 276 Resp: 597463

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.3	28.9
138	19.1	16.9	25.3

