

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025322.D
 Acq On : 07 Aug 2025 20:37
 Operator : CG/JU
 Sample : Q2784-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-080625

Quant Time: Aug 08 01:05:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

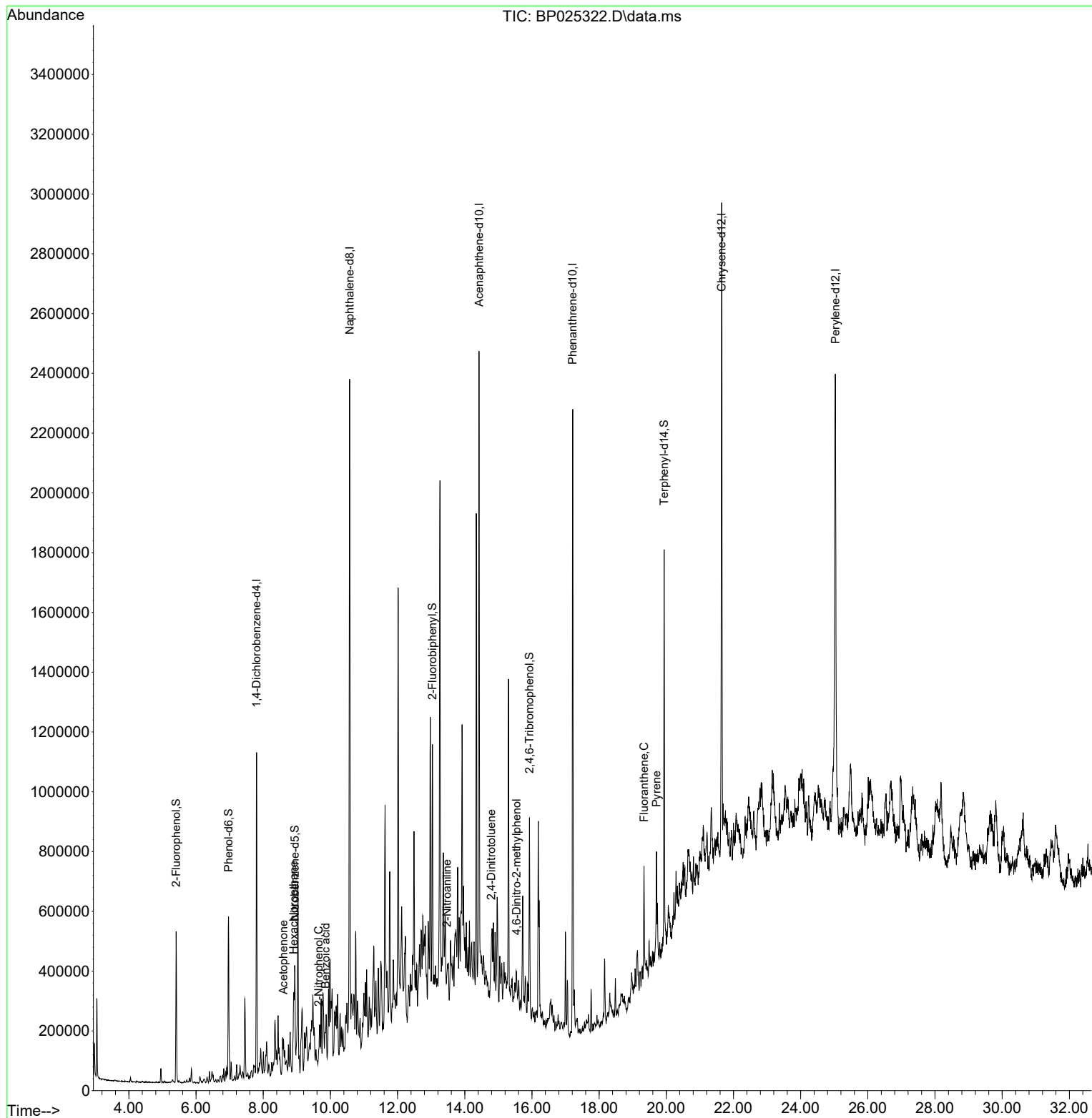
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	256887	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1062596	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	643768	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1271796	20.000	ng	-0.01
76) Chrysene-d12	21.648	240	1196816	20.000	ng	-0.01
86) Perylene-d12	25.036	264	1304394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	214860	13.452	ng	0.00
7) Phenol-d6	6.967	99	287339	13.670	ng	0.00
23) Nitrobenzene-d5	8.937	82	174950	9.121	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	95818	14.920	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	431587	9.260	ng	0.00
79) Terphenyl-d14	19.936	244	615353	9.711	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.902	117	16081	2.263	ng	# 1
22) Acetophenone	8.602	105	62798	2.354	ng	# 59
26) 2-Nitrophenol	9.649	139	200	3.662	ng	# 1
32) Benzoic acid	9.855	122	41	5.957	ng	# 1
48) 2-Nitroaniline	13.472	65	1100	3.061	ng	# 67
57) 2,4-Dinitrotoluene	14.790	165	2002	3.394	ng	# 67
65) 4,6-Dinitro-2-methylph...	15.543	198	381	4.915	ng	# 1
75) Fluoranthene	19.336	202	194313	2.410	ng	99
78) Pyrene	19.707	202	189341	2.379	ng	98

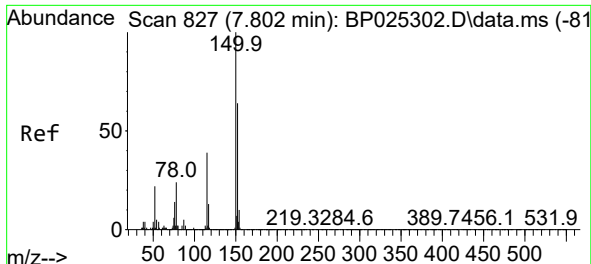
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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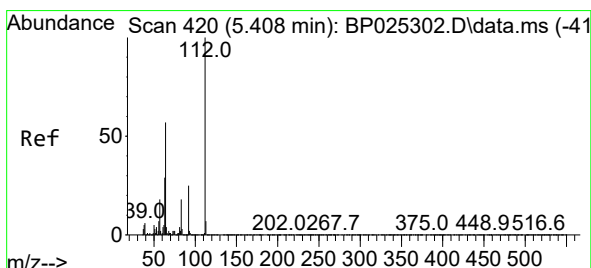
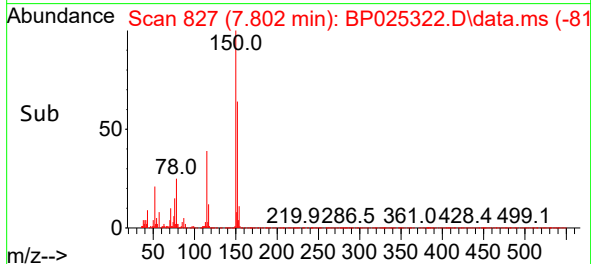
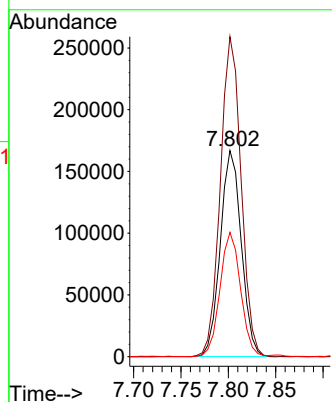
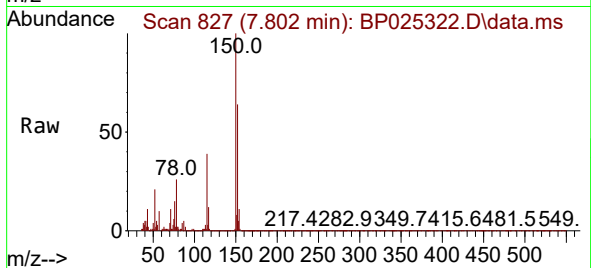




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

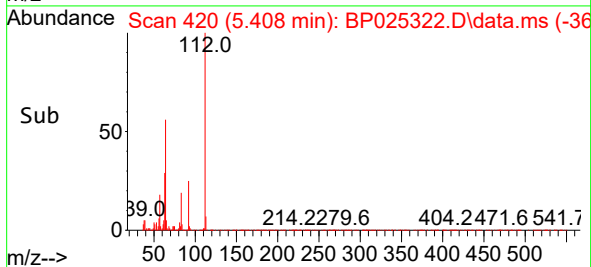
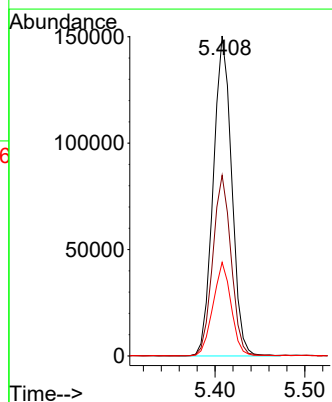
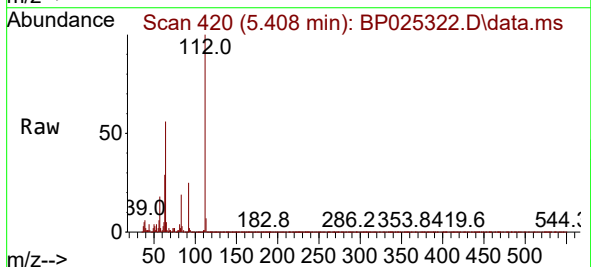
Instrument :
BNA_P
ClientSampleId :
EO-01-080625

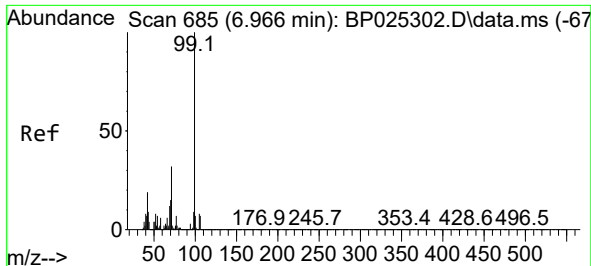
Tgt Ion:152 Resp: 256887
Ion Ratio Lower Upper
152 100
150 155.3 125.1 187.7
115 60.3 48.4 72.6



#5
2-Fluorophenol
Concen: 13.452 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

Tgt Ion:112 Resp: 214860
Ion Ratio Lower Upper
112 100
64 56.5 45.3 67.9
63 29.3 23.0 34.6

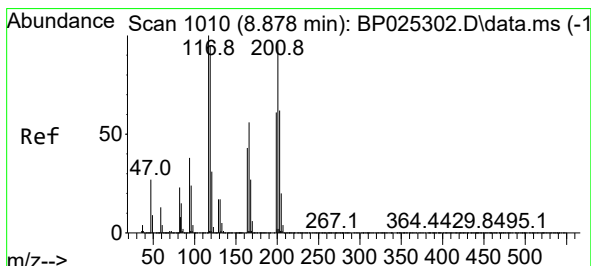
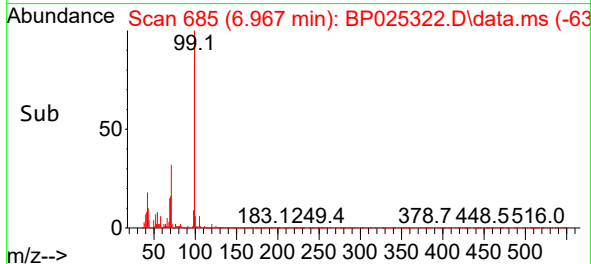
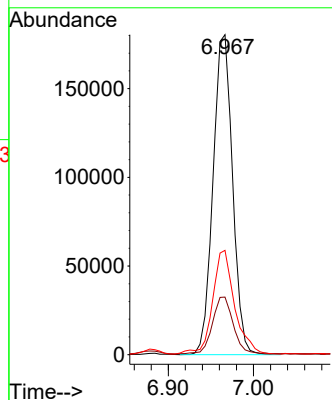
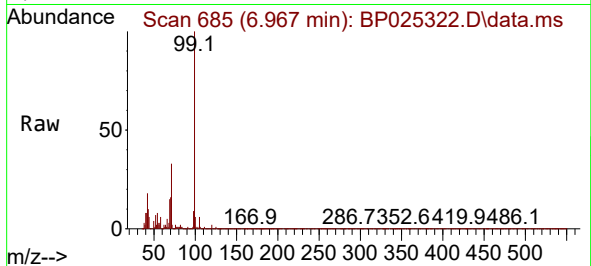




#7
Phenol-d6
Concen: 13.670 ng
RT: 6.967 min Scan# 61
Delta R.T. 0.001 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

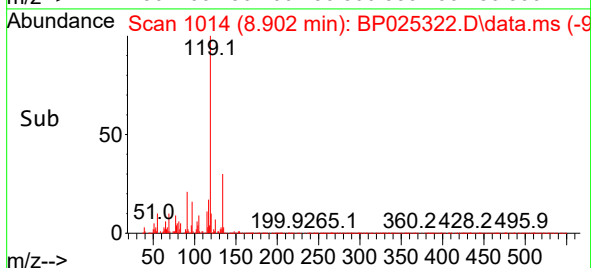
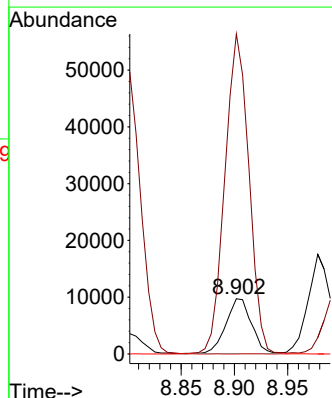
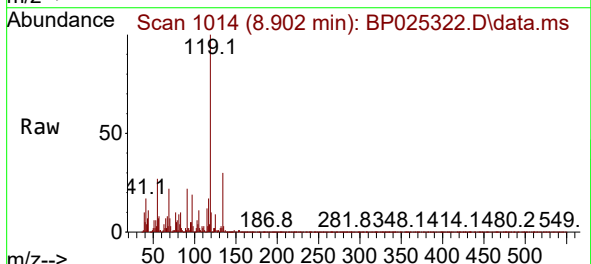
Instrument :
BNA_P
ClientSampleId :
EO-01-080625

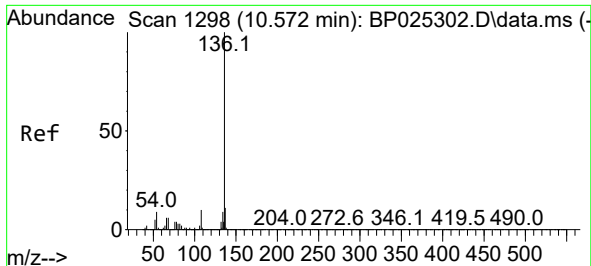
Tgt Ion: 99 Resp: 287339
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.6
71 32.6 25.5 38.3



#18
Hexachloroethane
Concen: 2.263 ng
RT: 8.902 min Scan# 1014
Delta R.T. 0.024 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

Tgt Ion: 117 Resp: 16081
Ion Ratio Lower Upper
117 100
119 579.1 75.8 113.8#
201 0.1 76.6 114.8#

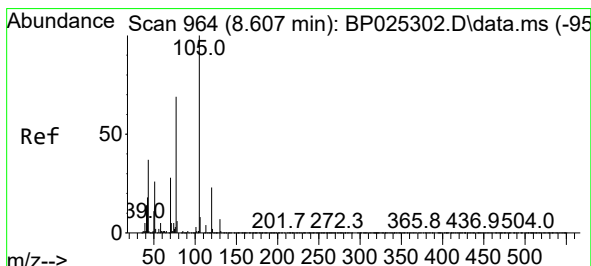
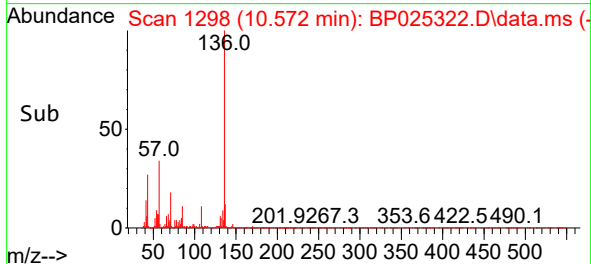
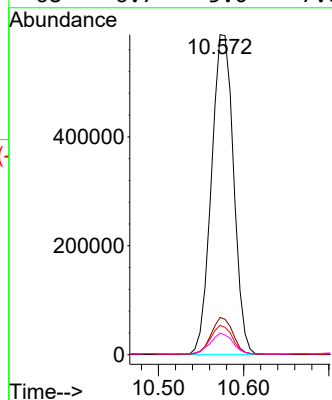
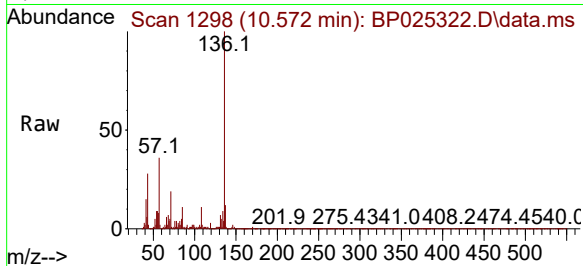




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

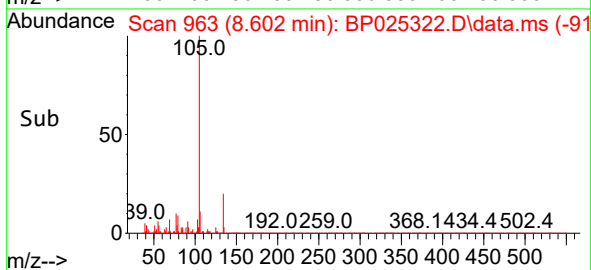
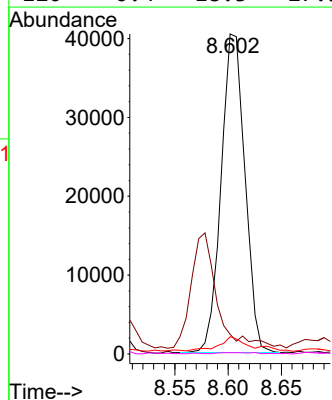
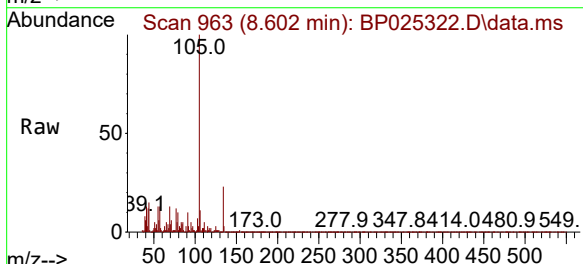
Instrument :
BNA_P
ClientSampleId :
EO-01-080625

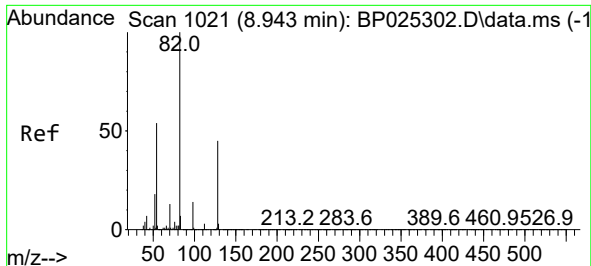
Tgt Ion:136 Resp: 1062596
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 9.2 7.0 10.6
68 6.7 5.0 7.6



#22
Acetophenone
Concen: 2.354 ng
RT: 8.602 min Scan# 963
Delta R.T. -0.005 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

Tgt Ion:105 Resp: 62798
Ion Ratio Lower Upper
105 100
71 6.2 4.1 6.1#
51 5.4 22.7 34.1#
120 0.4 18.3 27.5#





#23

Nitrobenzene-d5

Concen: 9.121 ng

RT: 8.937 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

Instrument :

BNA_P

ClientSampleId :

EO-01-080625

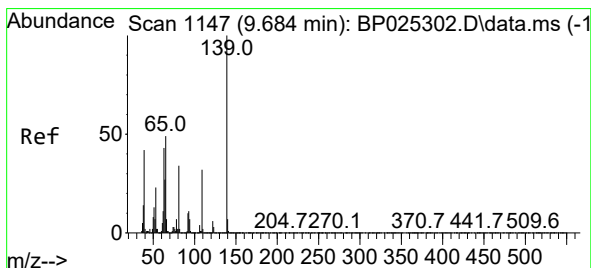
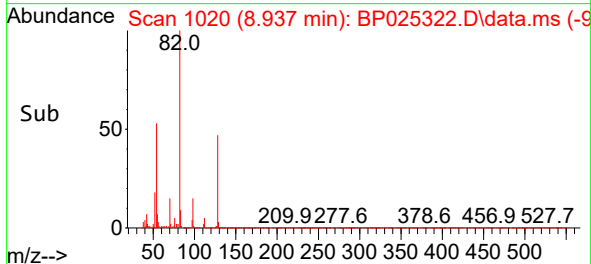
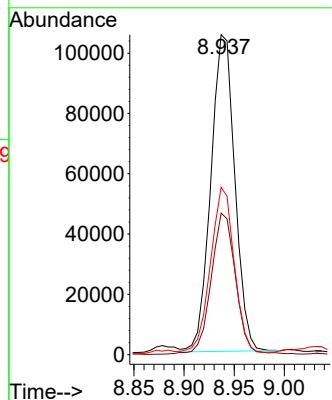
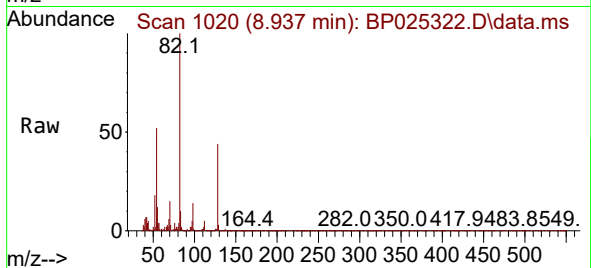
Tgt Ion: 82 Resp: 174950

Ion Ratio Lower Upper

82 100

128 44.2 35.4 53.2

54 52.3 42.9 64.3



#26

2-Nitrophenol

Concen: 3.662 ng

RT: 9.649 min Scan# 1141

Delta R.T. -0.035 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

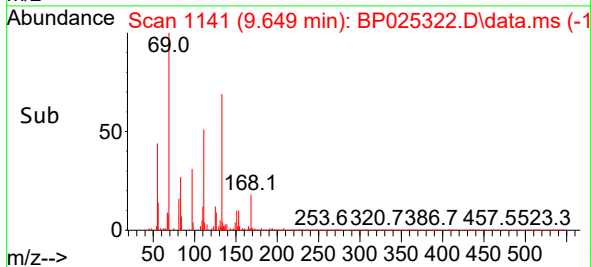
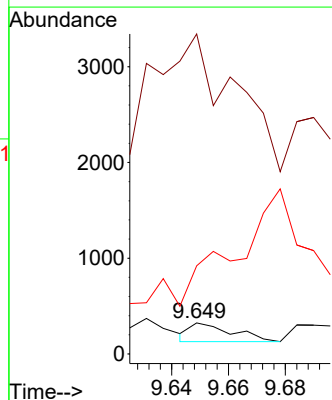
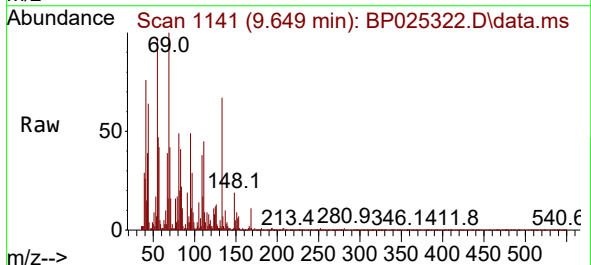
Tgt Ion:139 Resp: 200

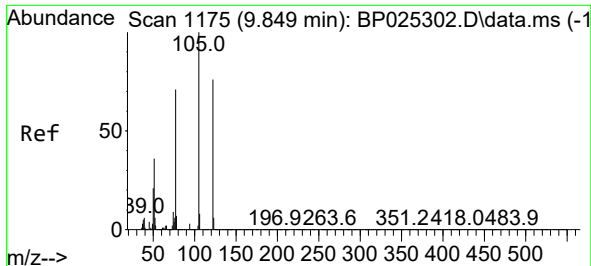
Ion Ratio Lower Upper

139 100

109 1031.5 25.2 37.8#

65 284.3 39.6 59.4#

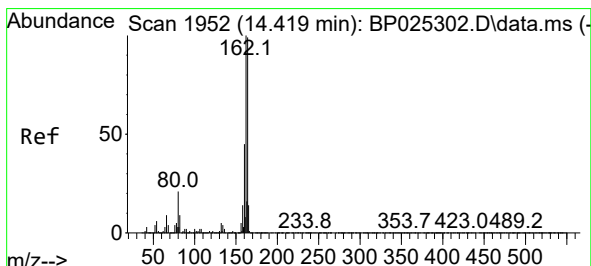
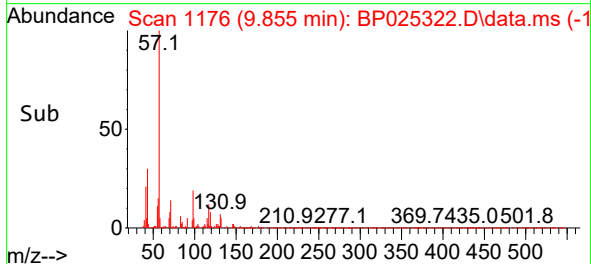
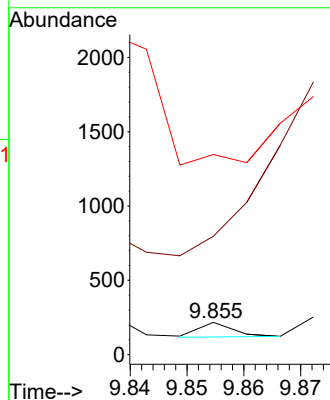
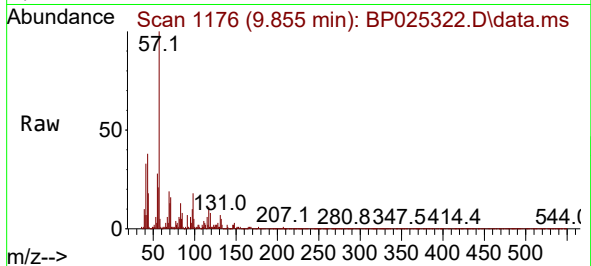




#32
Benzoic acid
Concen: 5.957 ng
RT: 9.855 min Scan# 1175
Delta R.T. 0.006 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

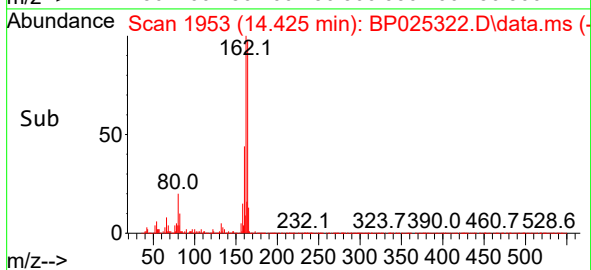
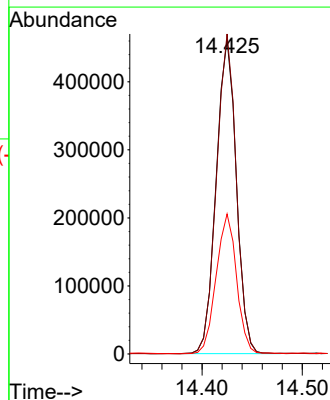
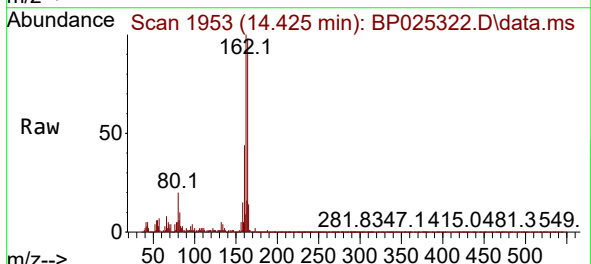
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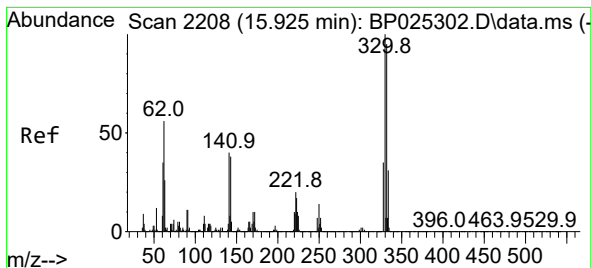
Tgt Ion:122 Resp: 41
Ion Ratio Lower Upper
122 100
105 366.8 104.0 144.0#
77 620.7 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

Tgt Ion:164 Resp: 643768
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 44.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 14.920 ng

RT: 15.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

Instrument :

BNA_P

ClientSampleId :

EO-01-080625

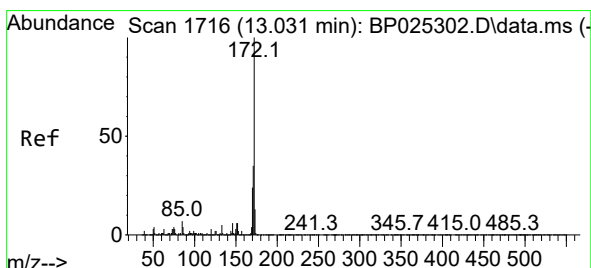
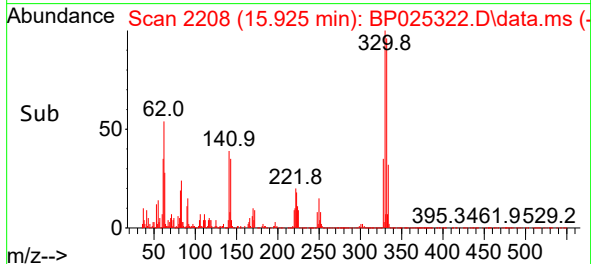
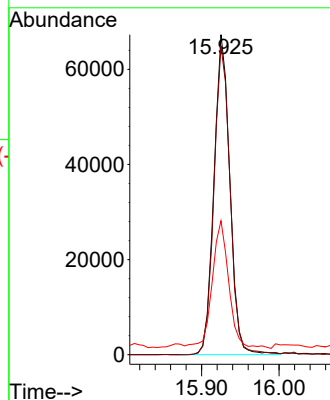
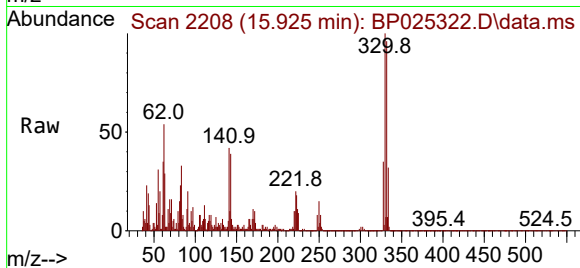
Tgt Ion:330 Resp: 95818

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.0

141 42.1 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 9.260 ng

RT: 13.037 min Scan# 1717

Delta R.T. 0.006 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

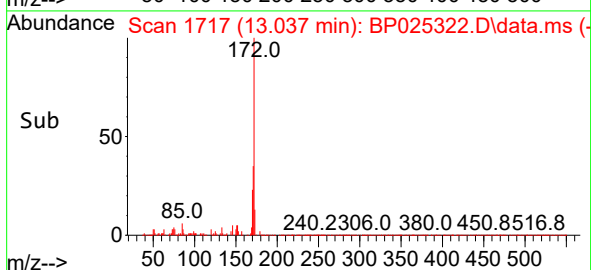
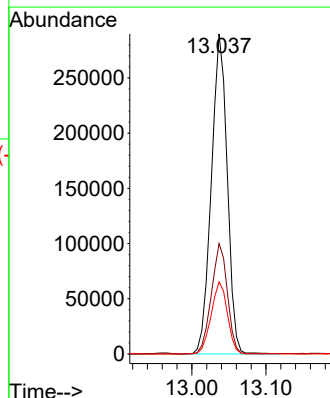
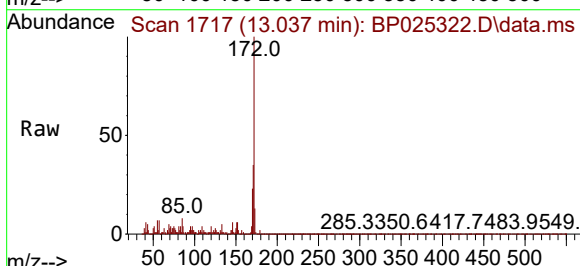
Tgt Ion:172 Resp: 431587

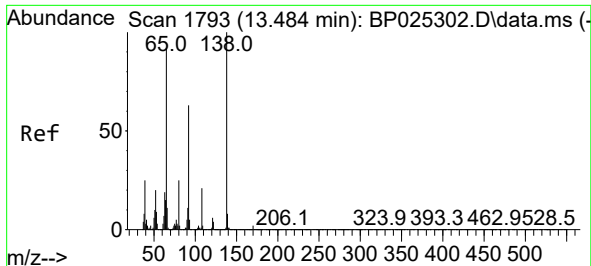
Ion Ratio Lower Upper

172 100

171 34.5 27.9 41.9

170 22.5 18.9 28.3

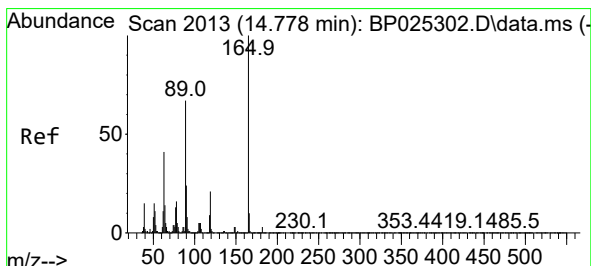
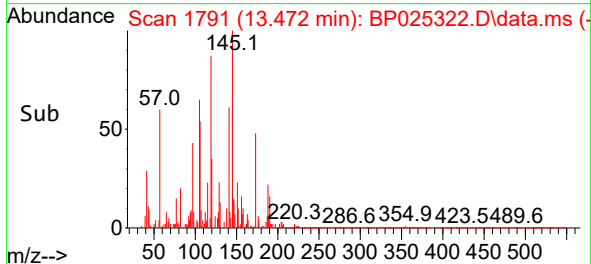
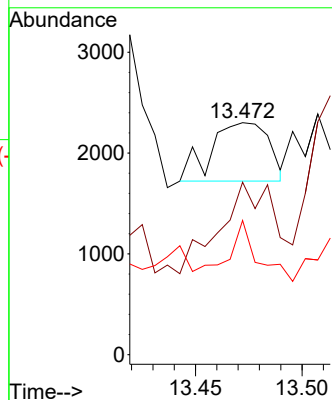
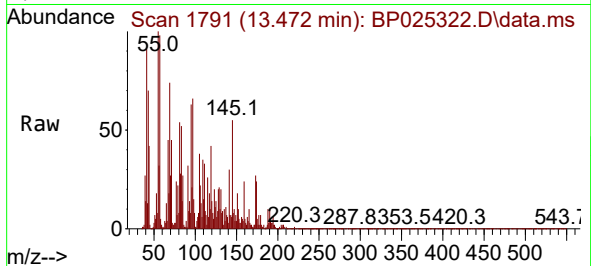




#48
2-Nitroaniline
Concen: 3.061 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

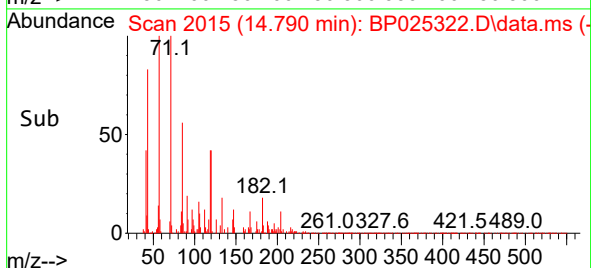
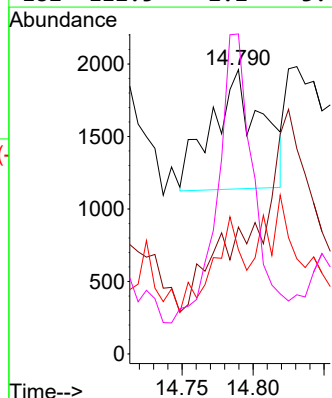
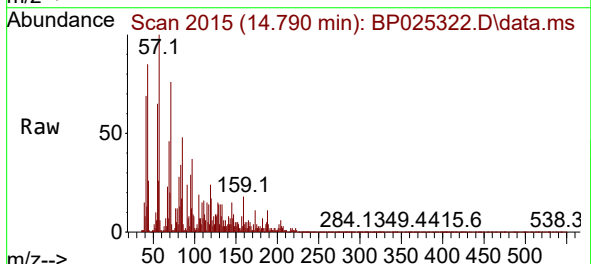
Instrument :
BNA_P
ClientSampleId :
EO-01-080625

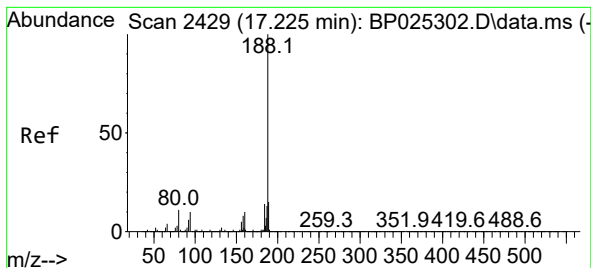
Tgt Ion: 65 Resp: 1100
Ion Ratio Lower Upper
65 100
92 74.4 54.4 81.6
138 57.9 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.394 ng
RT: 14.790 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

Tgt Ion: 165 Resp: 2002
Ion Ratio Lower Upper
165 100
63 44.6 33.2 49.8
89 36.7 53.5 80.3#
182 112.5 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.213 min Scan# 2429

Delta R.T. -0.012 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

Instrument :

BNA_P

ClientSampleId :

EO-01-080625

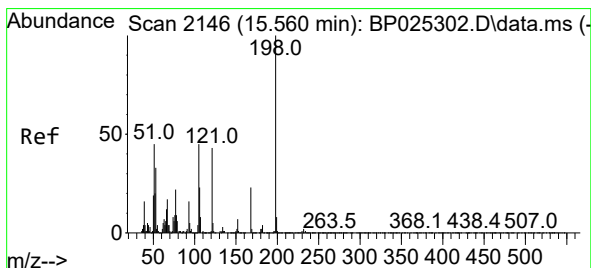
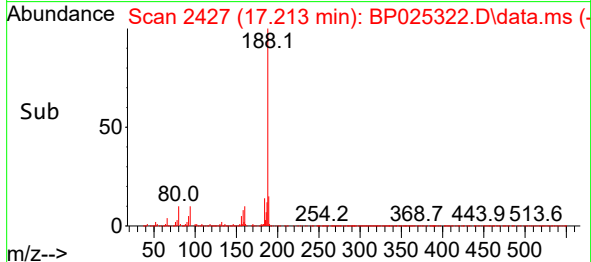
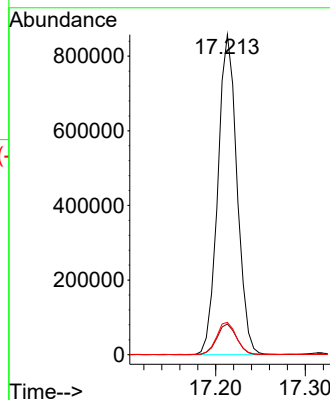
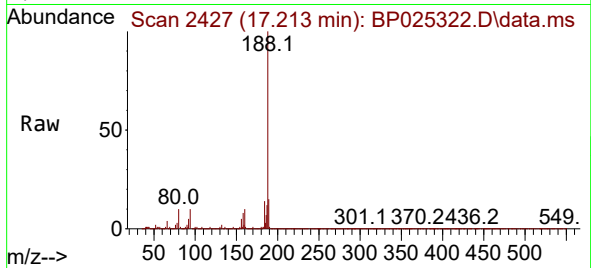
Tgt Ion:188 Resp: 1271796

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 10.1 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 4.915 ng

RT: 15.543 min Scan# 2143

Delta R.T. -0.017 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

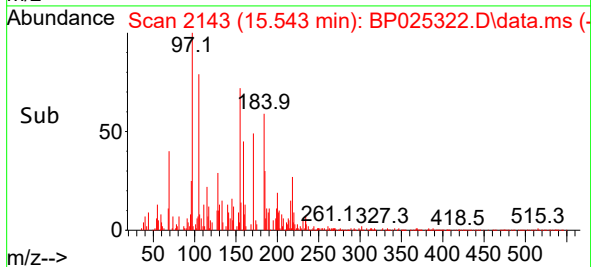
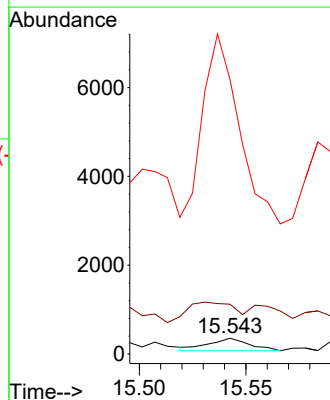
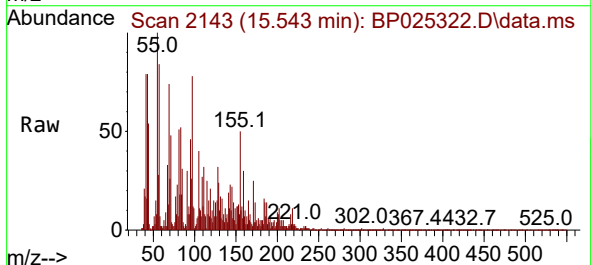
Tgt Ion:198 Resp: 381

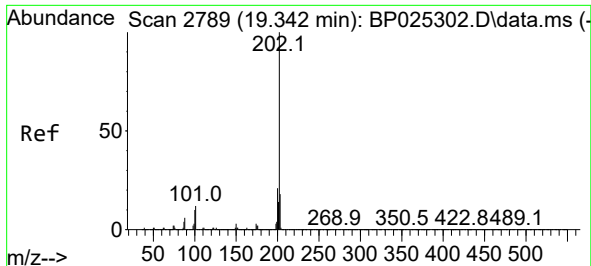
Ion Ratio Lower Upper

198 100

51 315.8 26.7 66.7#

105 1743.1 25.6 65.6#

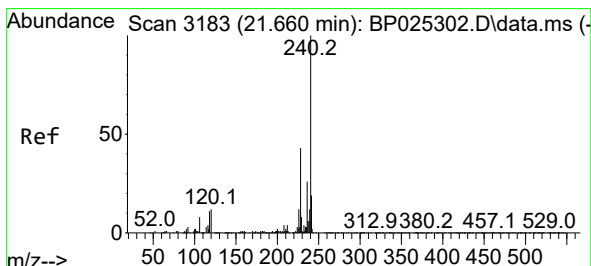
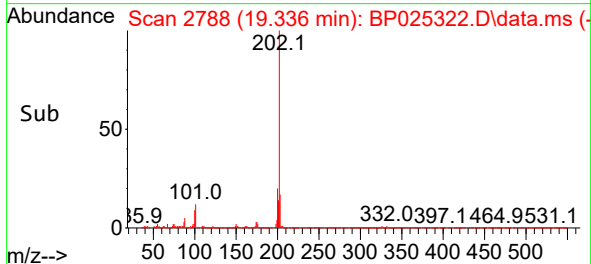
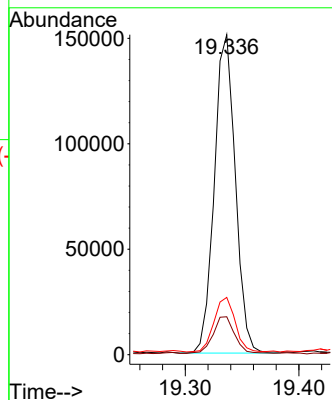
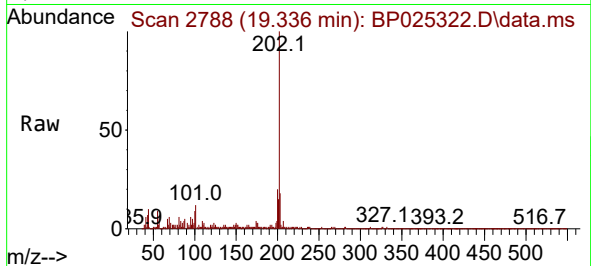




#75
Fluoranthene
Concen: 2.410 ng
RT: 19.336 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

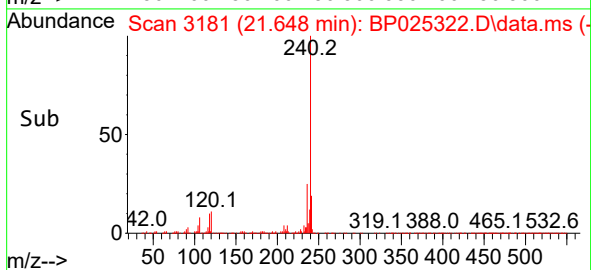
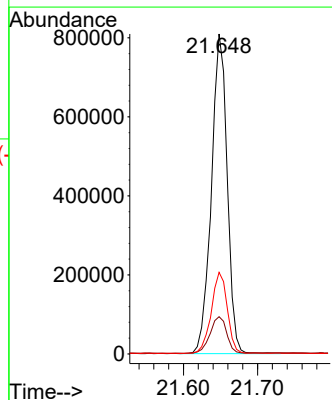
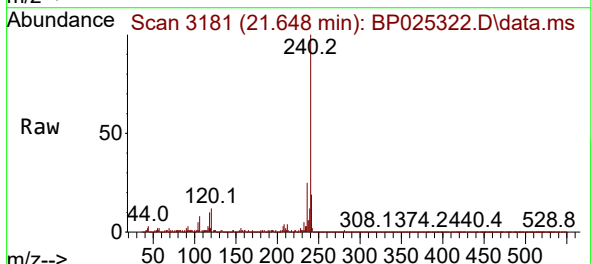
Instrument :
BNA_P
ClientSampleId :
EO-01-080625

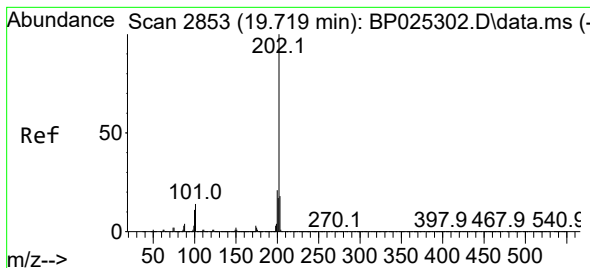
Tgt Ion:202 Resp: 194313
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.5
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.012 min
Lab File: BP025322.D
Acq: 07 Aug 2025 20:37

Tgt Ion:240 Resp: 1196816
Ion Ratio Lower Upper
240 100
120 11.7 9.6 14.4
236 25.5 20.4 30.6





#78

Pyrene

Concen: 2.379 ng

RT: 19.707 min Scan# 2851

Delta R.T. -0.012 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

Instrument :

BNA_P

ClientSampleId :

EO-01-080625

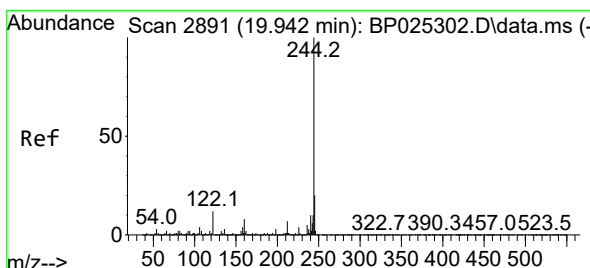
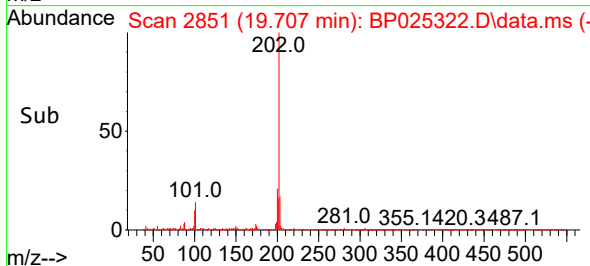
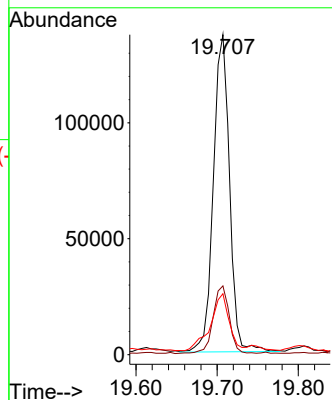
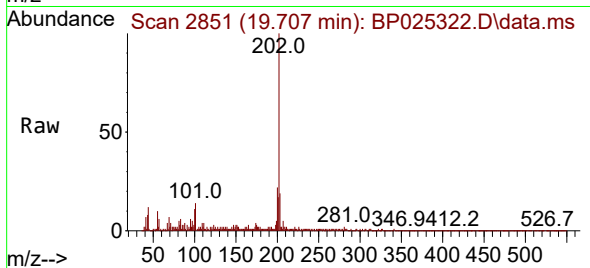
Tgt Ion:202 Resp: 189341

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

203 19.0 14.1 21.1



#79

Terphenyl-d14

Concen: 9.711 ng

RT: 19.936 min Scan# 2890

Delta R.T. -0.006 min

Lab File: BP025322.D

Acq: 07 Aug 2025 20:37

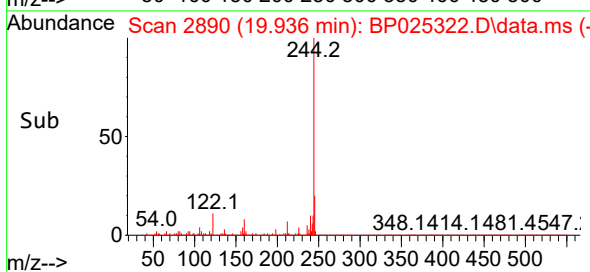
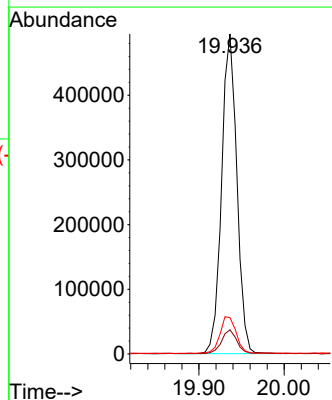
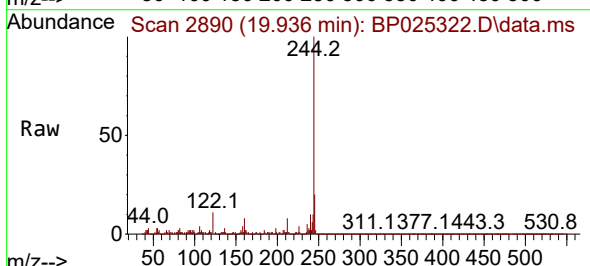
Tgt Ion:244 Resp: 615353

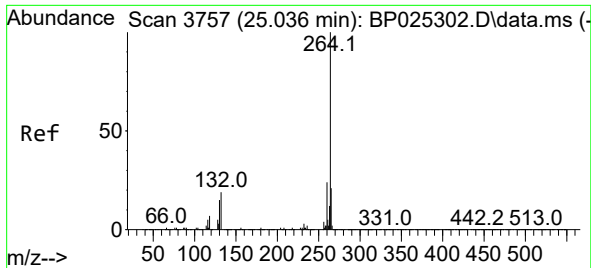
Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 11.4 9.5 14.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.036 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BP025322.D
 Acq: 07 Aug 2025 20:37

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-080625

Tgt Ion:264 Resp: 1304394
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 17.1 25.7

