

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025169.D
 Acq On : 16 Jul 2025 22:26
 Operator : CG/JU
 Sample : Q2611-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-071525

Quant Time: Jul 17 01:12:09 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)

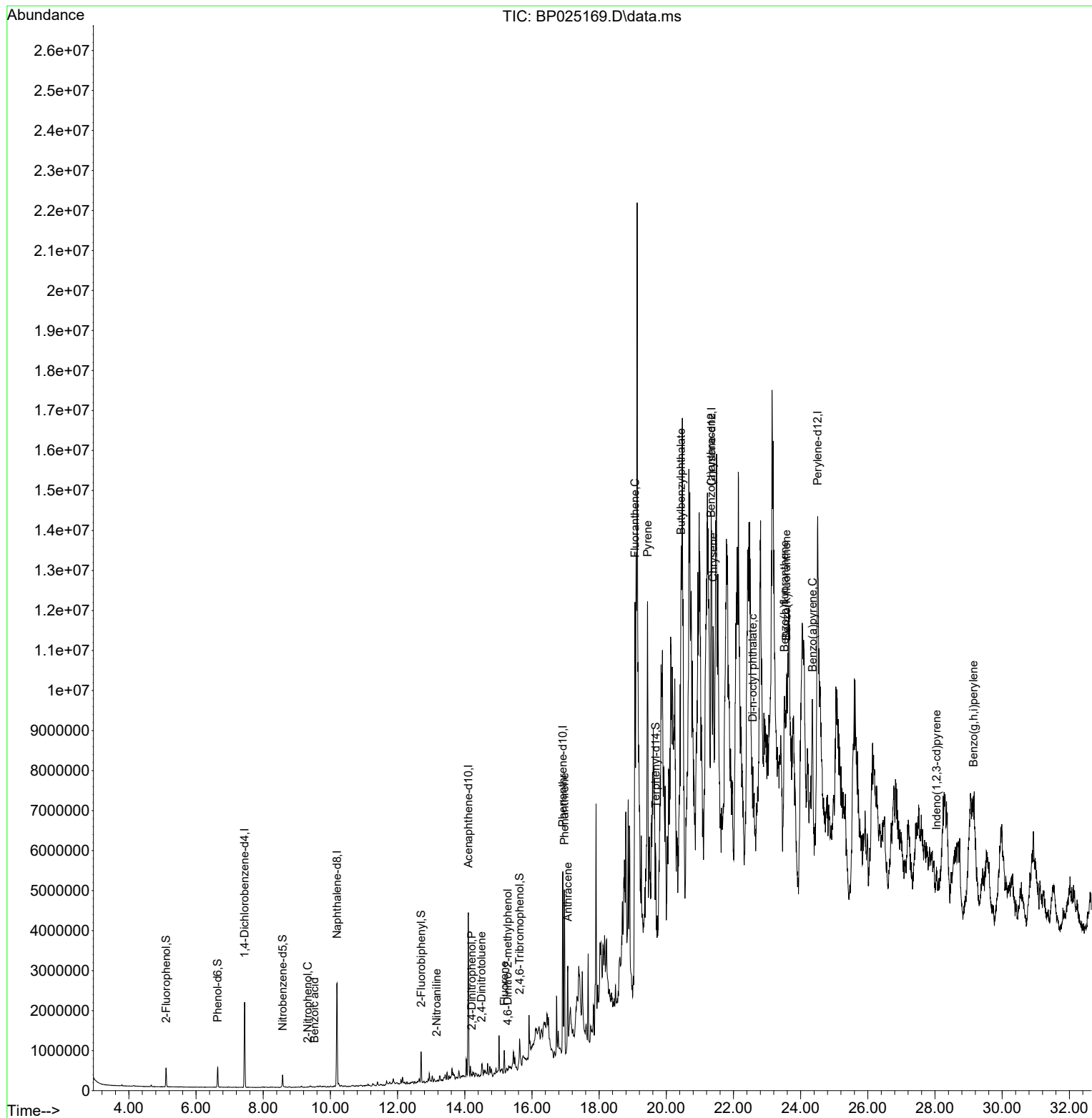
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	631198	20.000	ng	0.00
21) Naphthalene-d8	10.196	136	2449222	20.000	ng	0.01
39) Acenaphthene-d10	14.107	164	1514667	20.000	ng	0.02
64) Phenanthrene-d10	16.919	188	2885539	20.000	ng	0.01
76) Chrysene-d12	21.348	240	3050854	20.000	ng	0.00
86) Perylene-d12	24.501	264	3712083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	225150	6.320	ng	0.01
7) Phenol-d6	6.643	99	287513	6.185	ng	0.01
23) Nitrobenzene-d5	8.578	82	167053	4.536	ng	0.01
42) 2,4,6-Tribromophenol	15.631	330	139523	7.798	ng	0.01
45) 2-Fluorobiphenyl	12.701	172	476490	4.873	ng	0.00
79) Terphenyl-d14	19.683	244	745028	5.367	ng	0.01
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.325	139	264	3.315	ng	# 1
32) Benzoic acid	9.519	122	171	6.209	ng	# 1
48) 2-Nitroaniline	13.160	65	889	2.806	ng	# 45
54) 2,4-Dinitrophenol	14.207	184	259	5.409	ng	# 1
57) 2,4-Dinitrotoluene	14.501	165	1079	2.671	ng	# 35
58) Fluorene	15.178	166	254033	2.436	ng	# 98
65) 4,6-Dinitro-2-methylph...	15.278	198	190	5.592	ng	# 1
71) Phenanthrene	16.966	178	3090208	20.042	ng	100
72) Anthracene	17.066	178	1229311	8.311	ng	100
75) Fluoranthene	19.066	202	5823176	32.310	ng	99
78) Pyrene	19.442	202	5235457	27.706	ng	98
80) Butylbenzylphthalate	20.436	149	33707	4.109	ng	91
81) Benzo(a)anthracene	21.330	228	3199757	17.307	ng	99
83) Chrysene	21.395	228	2686848	15.101	ng	96
85) Di-n-octyl phthalate	22.577	149	5231	6.124	ng	# 43
87) Indeno(1,2,3-cd)pyrene	28.048	276	2004156	8.475	ng	# 94
88) Benzo(b)fluoranthene	23.518	252	3652813	16.906	ng	# 92
89) Benzo(k)fluoranthene	23.571	252	1254902	5.837	ng	# 81
90) Benzo(a)pyrene	24.354	252	2904788	15.796	ng	# 92
92) Benzo(g,h,i)perylene	29.147	276	1837836	9.101	ng	98

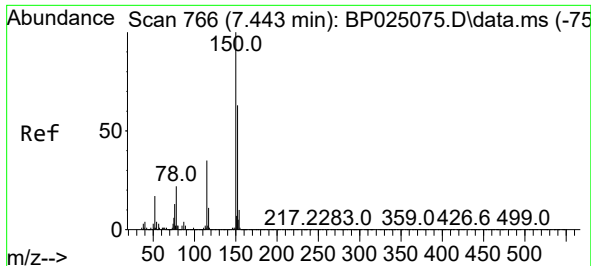
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 03 16:05:44 2025
Response via : Initial Calibration

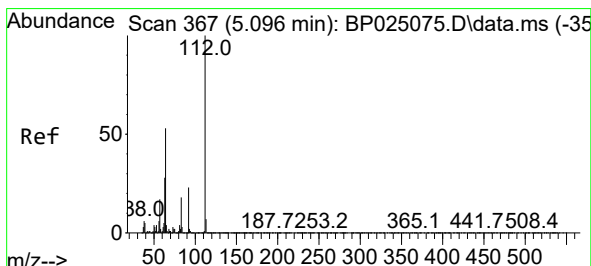
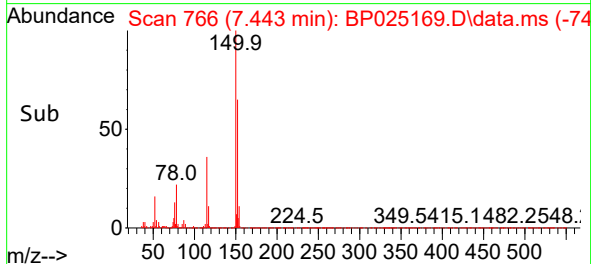
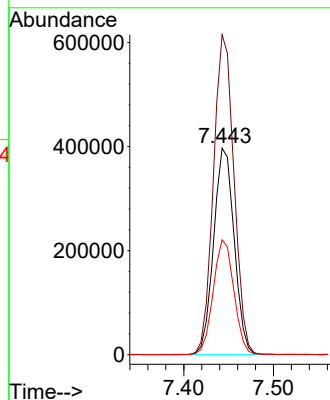
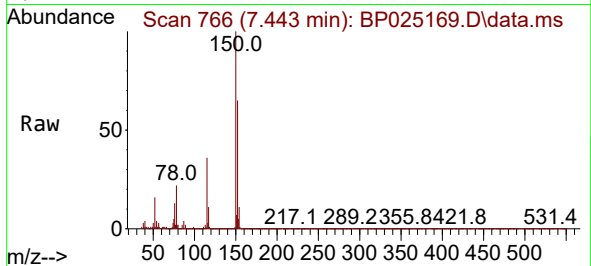




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

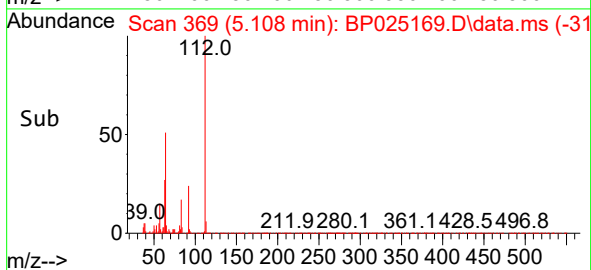
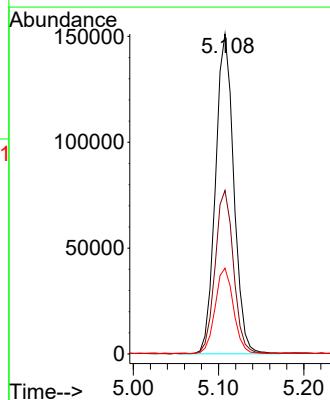
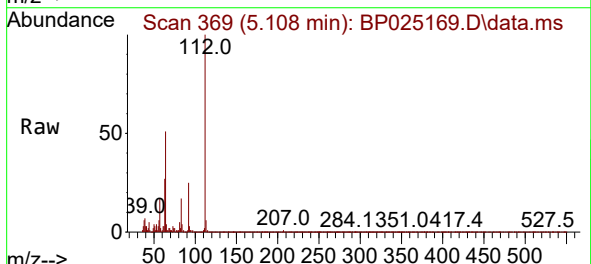
Instrument :
BNA_P
ClientSampleId :
EO-02-071525

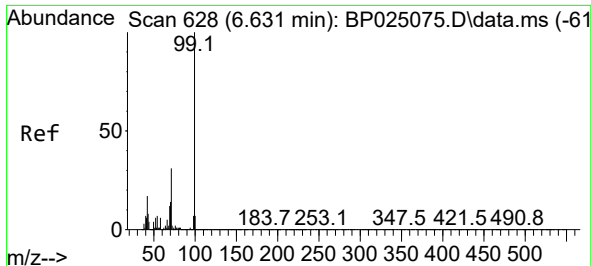
Tgt Ion:152 Resp: 631198
Ion Ratio Lower Upper
152 100
150 154.9 126.1 189.1
115 55.6 44.3 66.5



#5
2-Fluorophenol
Concen: 6.320 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:112 Resp: 225150
Ion Ratio Lower Upper
112 100
64 51.1 42.0 63.0
63 26.8 22.2 33.2

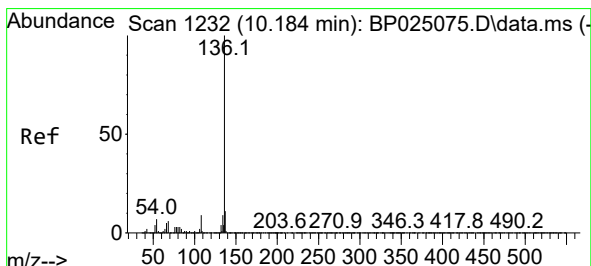
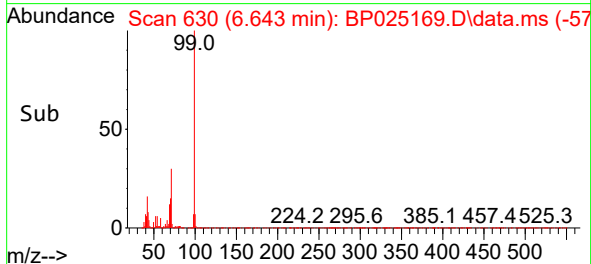
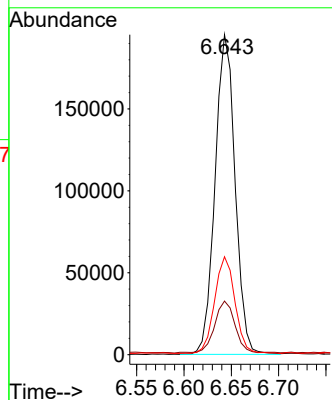
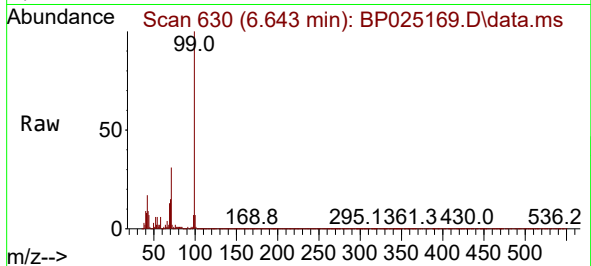




#7
Phenol-d6
Concen: 6.185 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

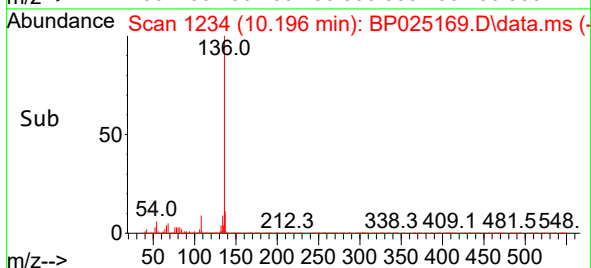
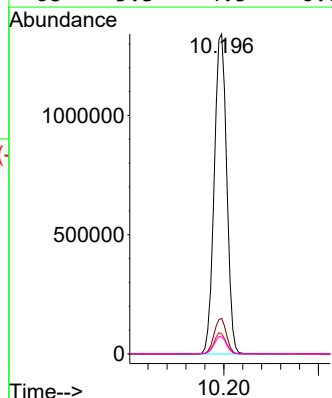
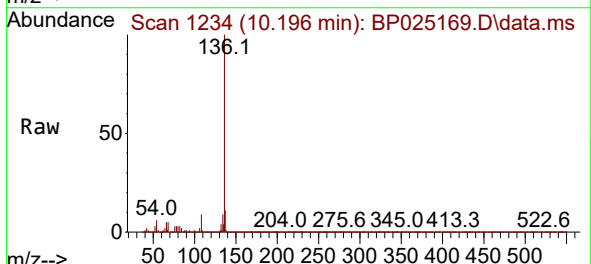
Instrument :
BNA_P
ClientSampleId :
EO-02-071525

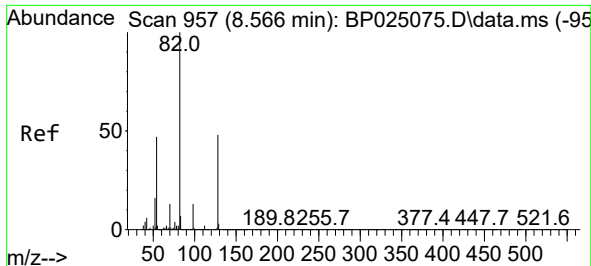
Tgt Ion: 99 Resp: 287513
Ion Ratio Lower Upper
99 100
42 16.7 13.6 20.4
71 30.6 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.196 min Scan# 1234
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion: 136 Resp: 2449222
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.3 5.4 8.2
68 5.3 4.5 6.7

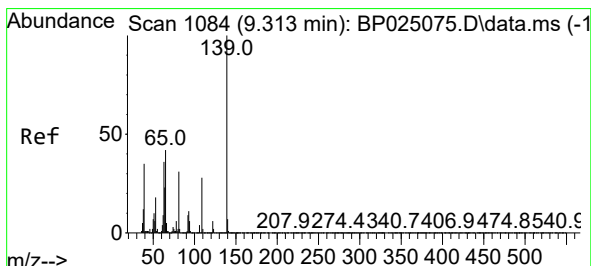
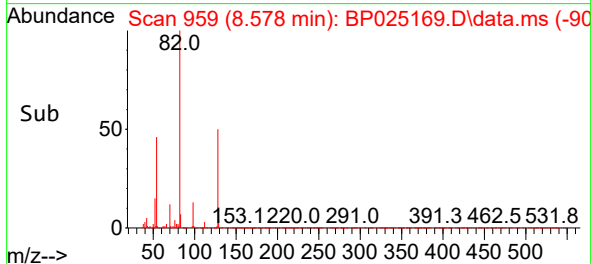
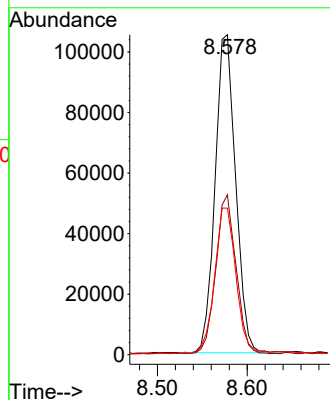
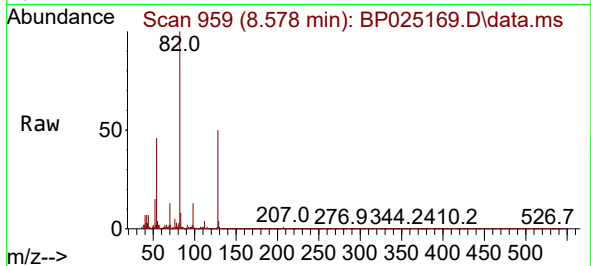




#23
Nitrobenzene-d5
Concen: 4.536 ng
RT: 8.578 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

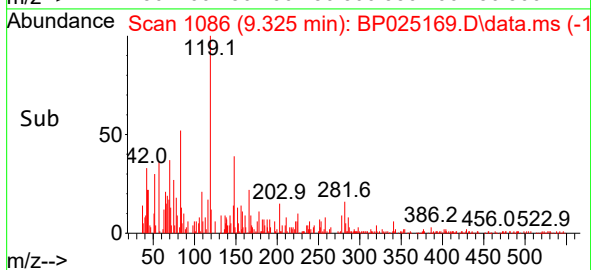
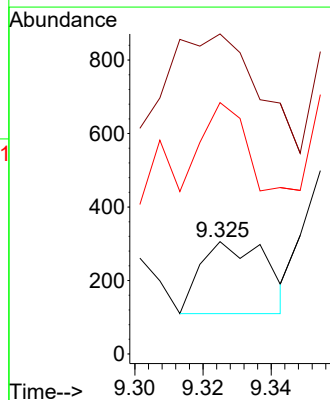
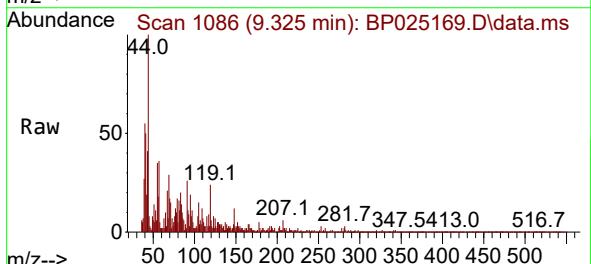
Instrument :
BNA_P
ClientSampleId :
EO-02-071525

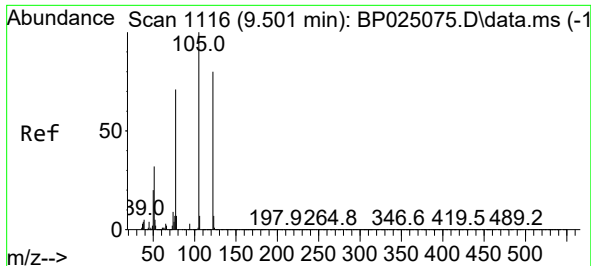
Tgt Ion: 82 Resp: 167053
Ion Ratio Lower Upper
82 100
128 50.0 38.4 57.6
54 45.8 37.8 56.6



#26
2-Nitrophenol
Concen: 3.315 ng
RT: 9.325 min Scan# 1086
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:139 Resp: 264
Ion Ratio Lower Upper
139 100
109 284.6 22.3 33.5#
65 284.3 33.8 50.8#

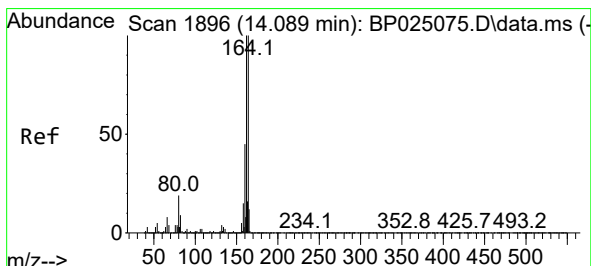
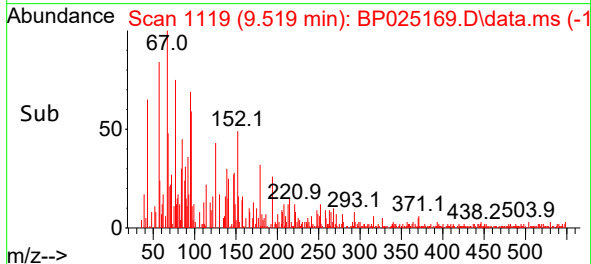
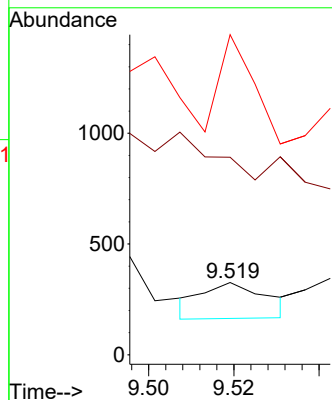
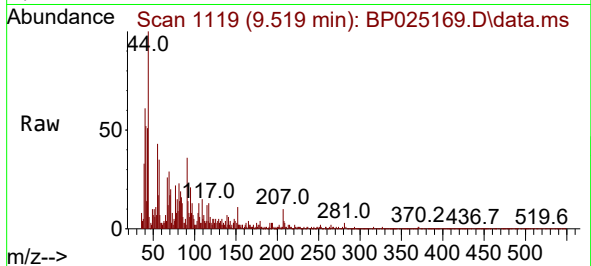




#32
Benzoic acid
Concen: 6.209 ng
RT: 9.519 min Scan# 1116
Delta R.T. 0.018 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

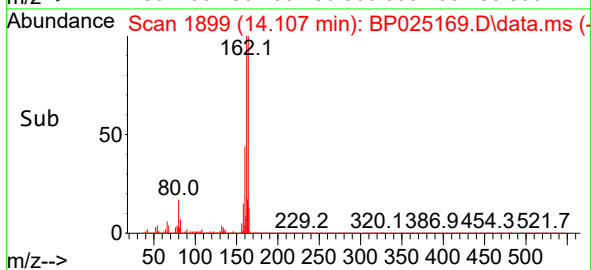
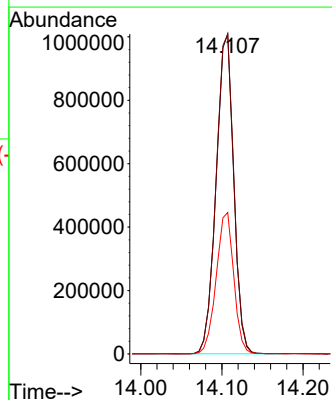
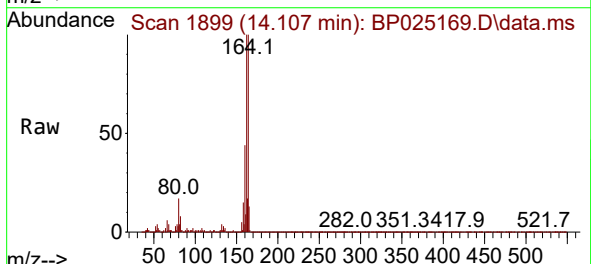
Instrument :
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ClientSampleId :
EO-02-071525

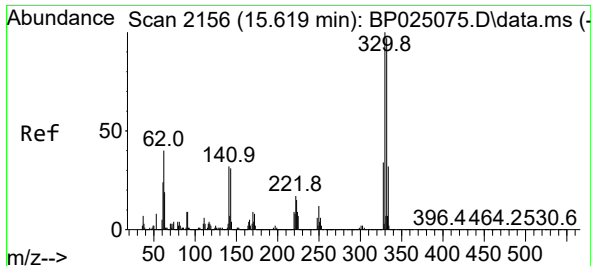
Tgt Ion:122 Resp: 171
Ion Ratio Lower Upper
122 100
105 273.6 101.0 141.0#
77 443.3 67.6 107.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.107 min Scan# 1899
Delta R.T. 0.018 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:164 Resp: 1514667
Ion Ratio Lower Upper
164 100
162 99.9 80.3 120.5
160 44.2 35.9 53.9

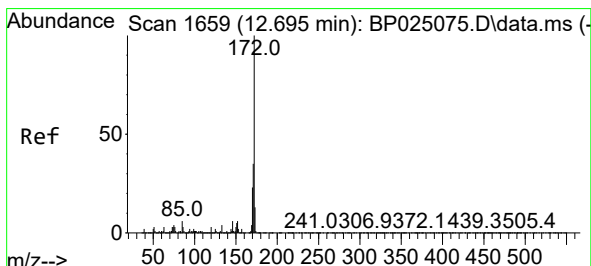
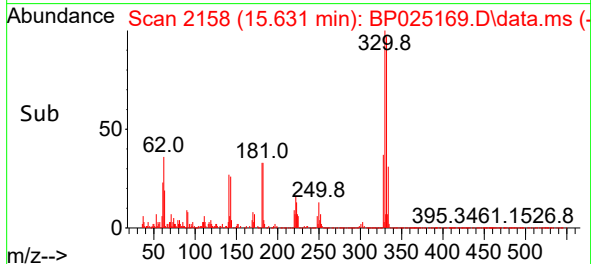
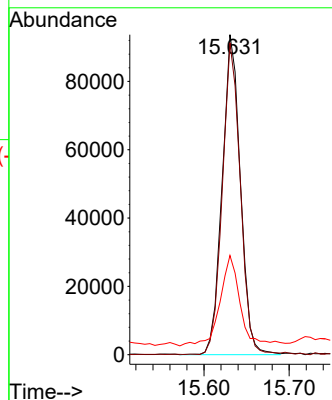
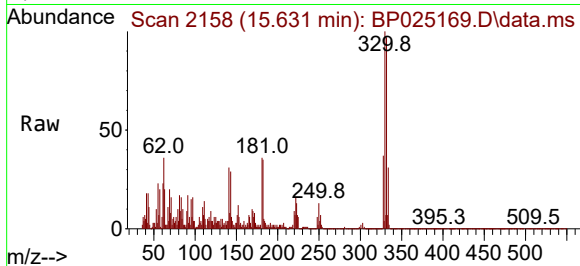




#42
2,4,6-Tribromophenol
Concen: 7.798 ng
RT: 15.631 min Scan# 2156
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

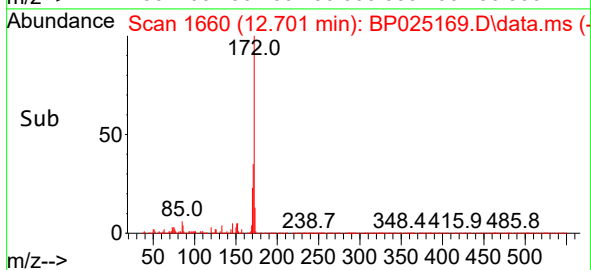
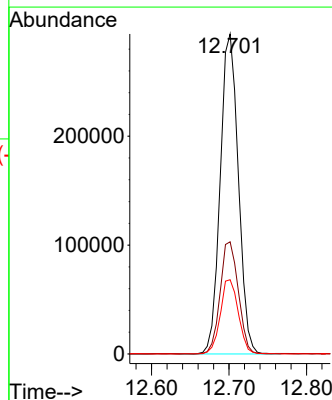
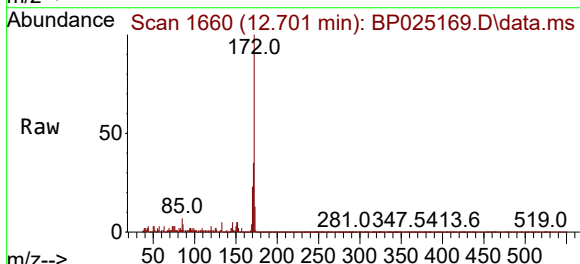
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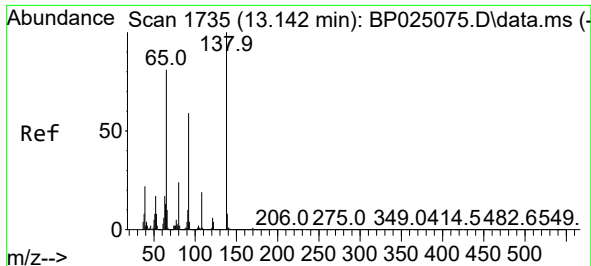
Tgt Ion: 330 Resp: 139523
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 31.5 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 4.873 ng
RT: 12.701 min Scan# 1660
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion: 172 Resp: 476490
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.2 18.7 28.1

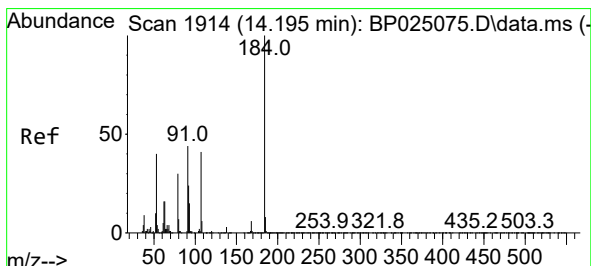
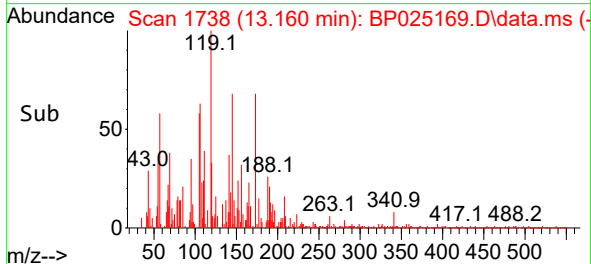
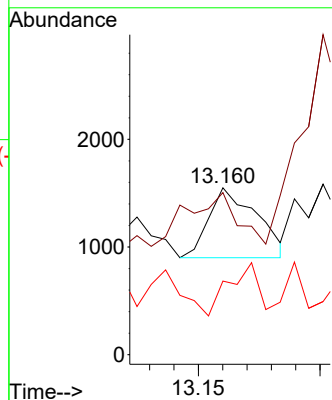
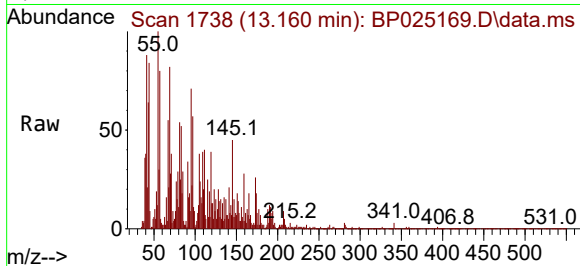




#48
2-Nitroaniline
Concen: 2.806 ng
RT: 13.160 min Scan# 1738
Delta R.T. 0.018 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

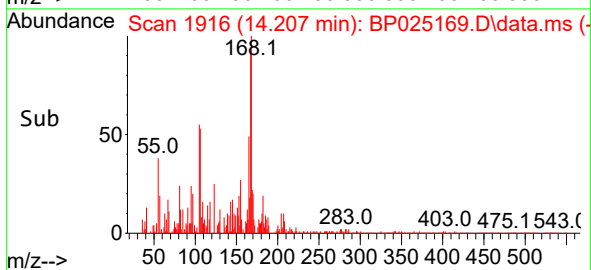
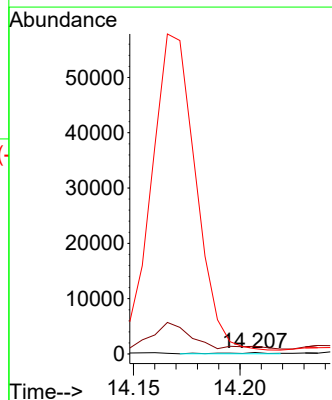
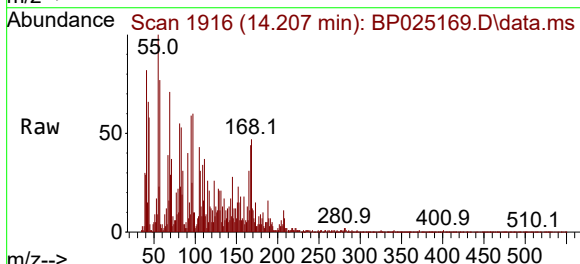
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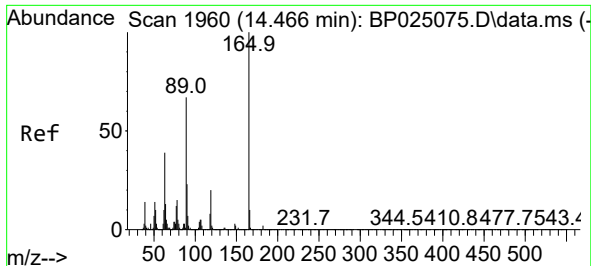
Tgt Ion: 65 Resp: 889
Ion Ratio Lower Upper
65 100
92 97.2 58.7 88.1#
138 44.1 99.0 148.4#



#54
2,4-Dinitrophenol
Concen: 5.409 ng
RT: 14.207 min Scan# 1916
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion: 184 Resp: 259
Ion Ratio Lower Upper
184 100
63 524.4 47.4 71.0#
154 354.5 47.8 71.8#

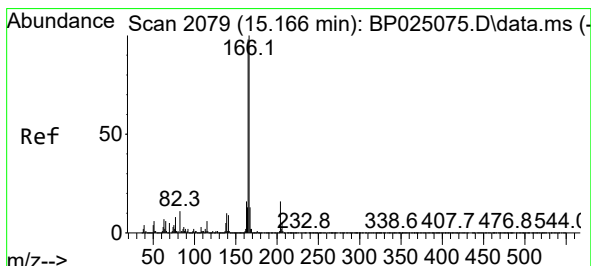
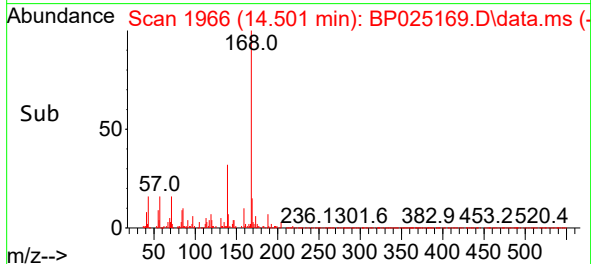
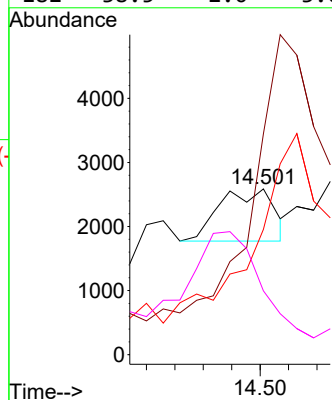
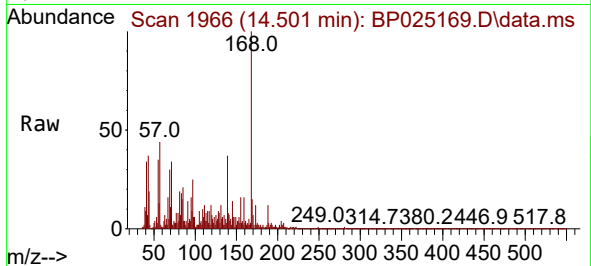




#57
2,4-Dinitrotoluene
Concen: 2.671 ng
RT: 14.501 min Scan# 1966
Delta R.T. 0.035 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

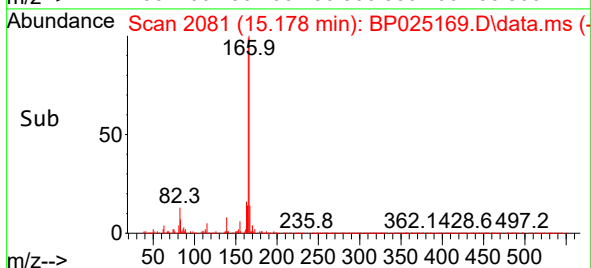
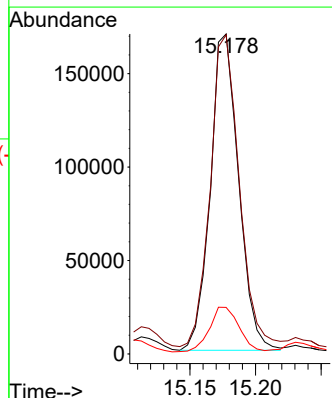
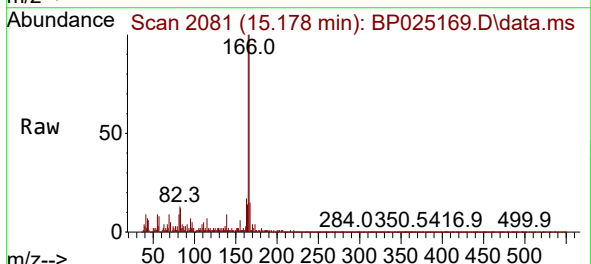
Instrument :
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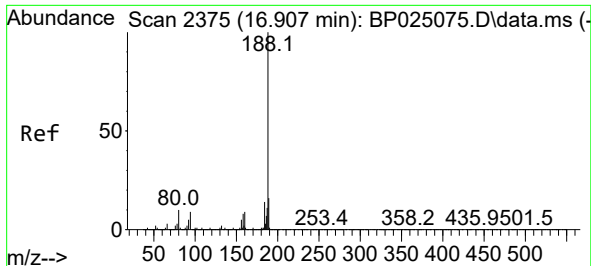
Tgt Ion:	165	Resp:	1079
Ion Ratio	Lower	Upper	
165	100		
63	133.2	31.0	46.4#
89	75.6	53.4	80.0
182	38.5	2.0	3.0#



#58
Fluorene
Concen: 2.436 ng
RT: 15.178 min Scan# 2081
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:	166	Resp:	254033
Ion Ratio	Lower	Upper	
166	100		
165	99.7	78.6	117.8
167	14.5	10.7	16.1

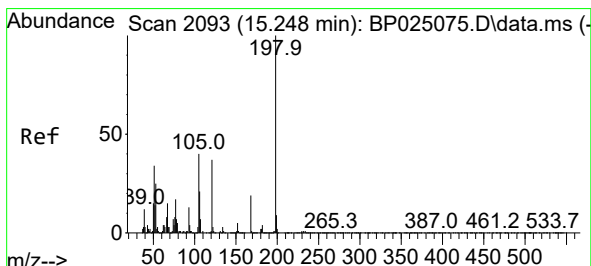
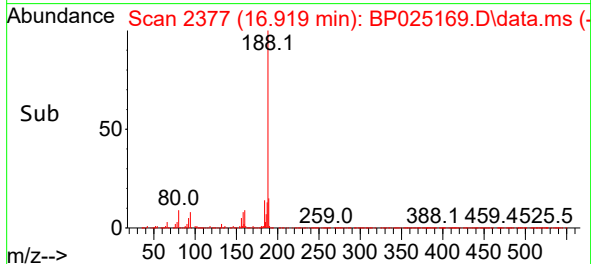
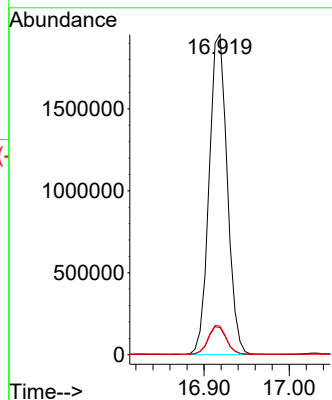
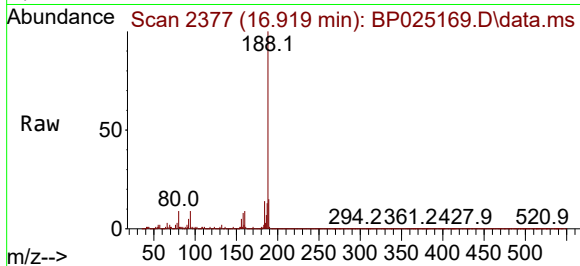




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.919 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

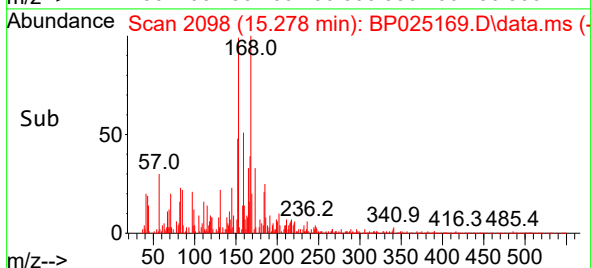
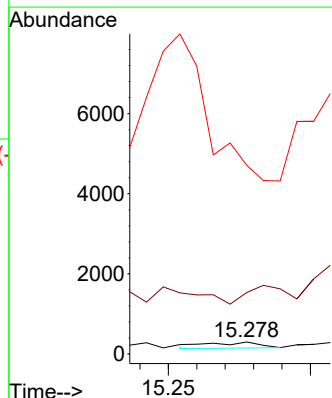
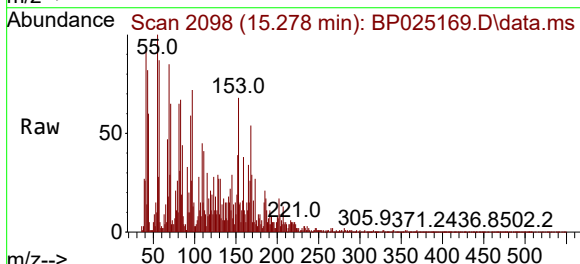
Instrument :
BNA_P
ClientSampleId :
EO-02-071525

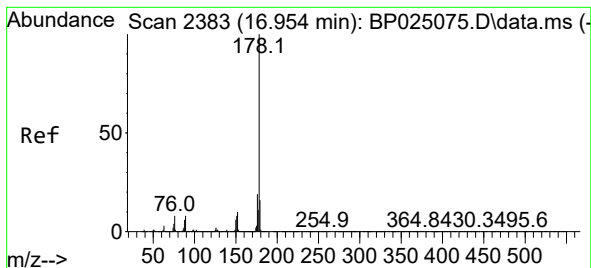
Tgt Ion:188 Resp: 2885539
Ion Ratio Lower Upper
188 100
94 8.5 7.3 10.9
80 8.9 7.8 11.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.592 ng
RT: 15.278 min Scan# 2098
Delta R.T. 0.030 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:198 Resp: 190
Ion Ratio Lower Upper
198 100
51 513.0 16.8 56.8#
105 1575.3 20.8 60.8#





#71

Phenanthrene

Concen: 20.042 ng

RT: 16.966 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

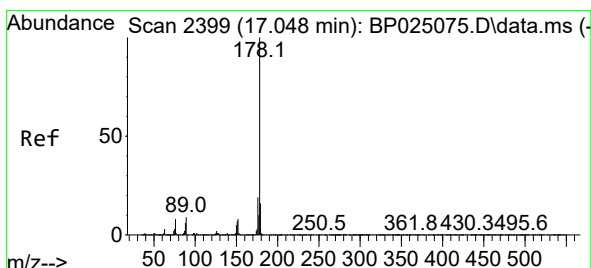
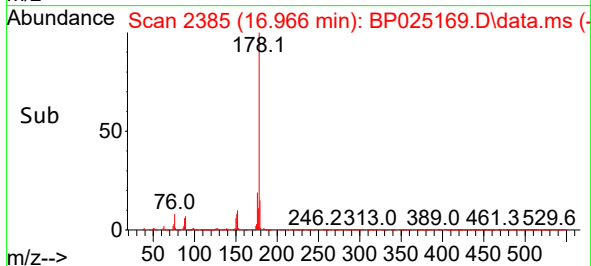
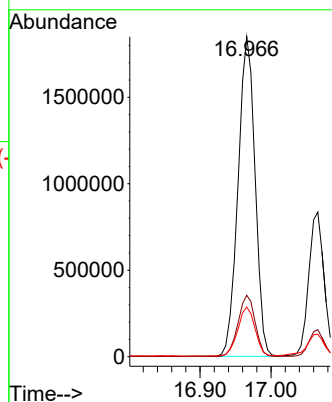
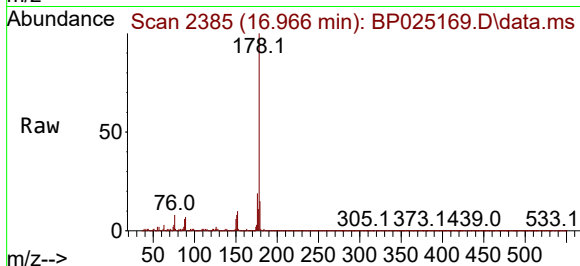
Tgt Ion:178 Resp: 3090208

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.5 12.6 19.0



#72

Anthracene

Concen: 8.311 ng

RT: 17.066 min Scan# 2402

Delta R.T. 0.018 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

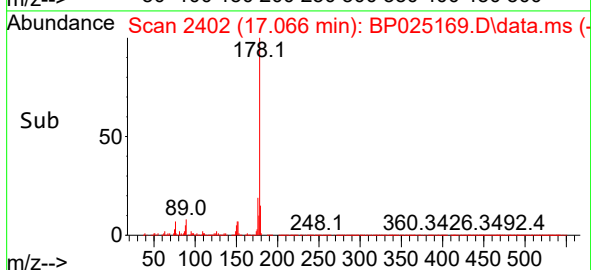
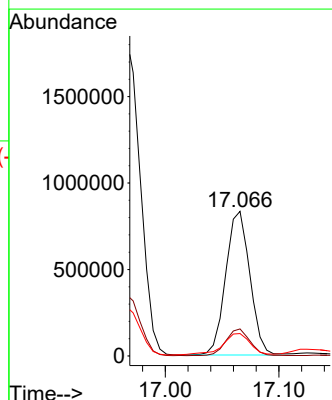
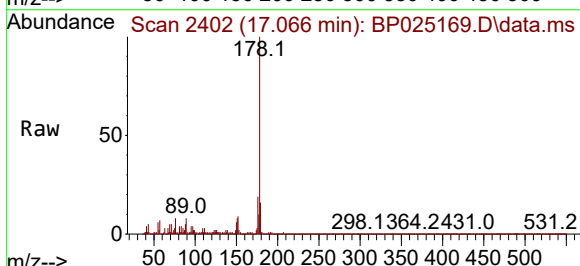
Tgt Ion:178 Resp: 1229311

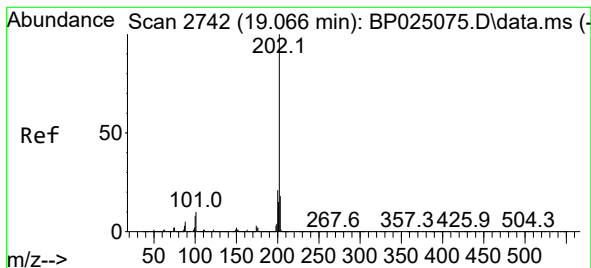
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

179 15.5 12.5 18.7





#75

Fluoranthene

Concen: 32.310 ng

RT: 19.066 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

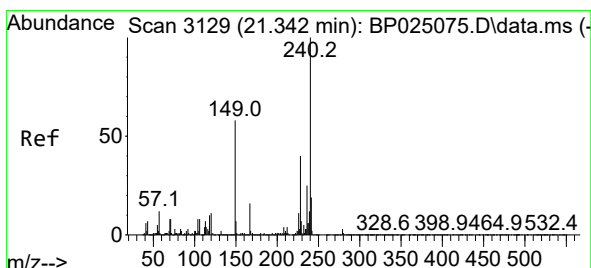
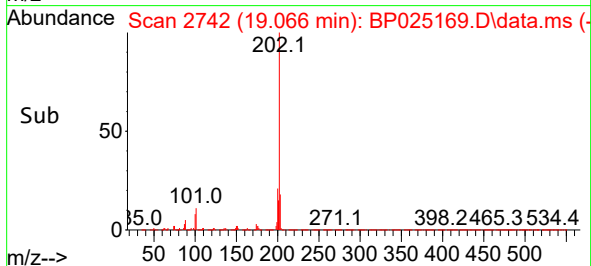
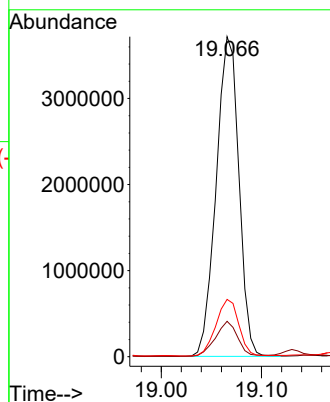
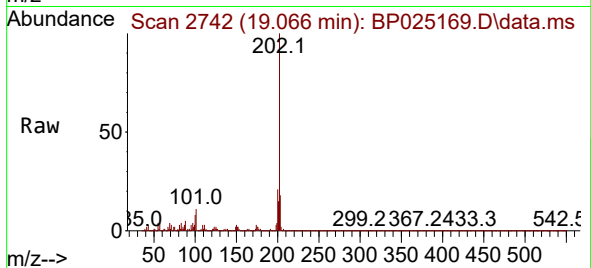
Tgt Ion:202 Resp: 5823176

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.4

203 17.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.348 min Scan# 3130

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

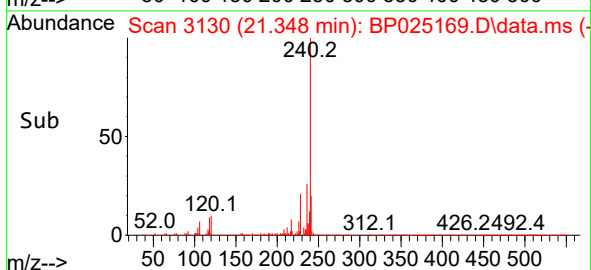
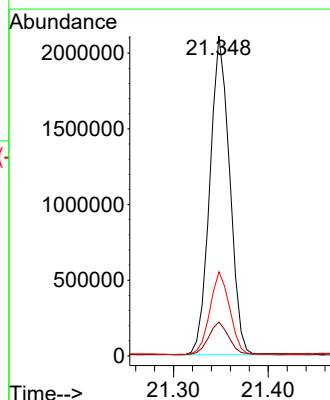
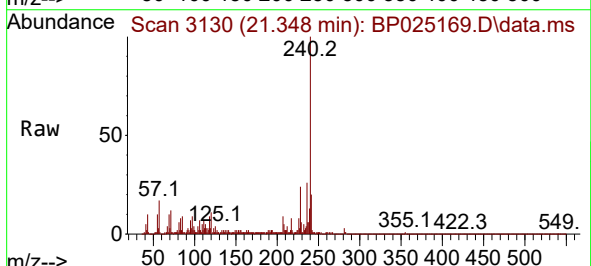
Tgt Ion:240 Resp: 3050854

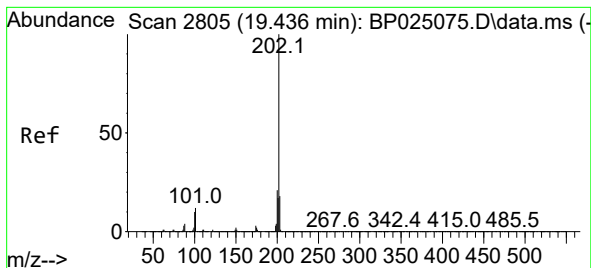
Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.4

236 26.3 20.3 30.5





#78

Pyrene

Concen: 27.706 ng

RT: 19.442 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

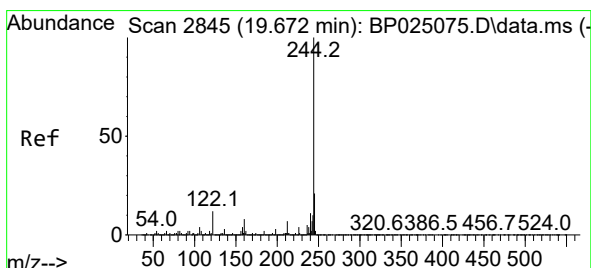
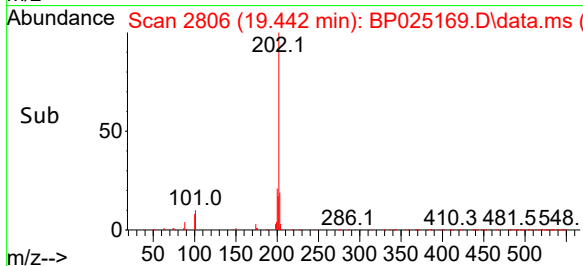
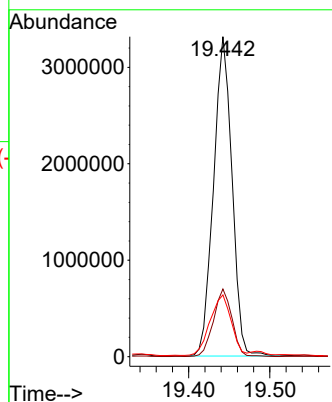
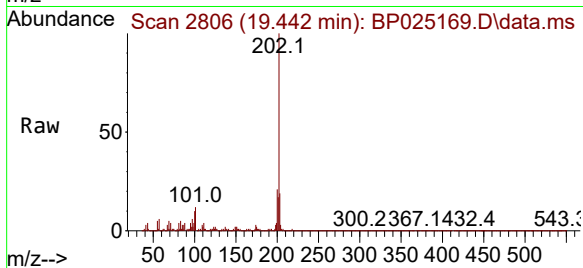
Tgt Ion:202 Resp: 5235457

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 19.3 14.1 21.1



#79

Terphenyl-d14

Concen: 5.367 ng

RT: 19.683 min Scan# 2847

Delta R.T. 0.012 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

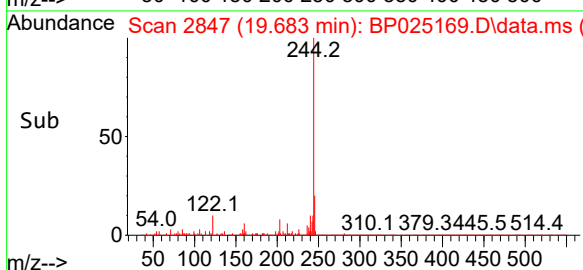
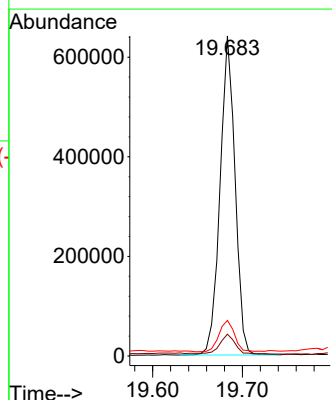
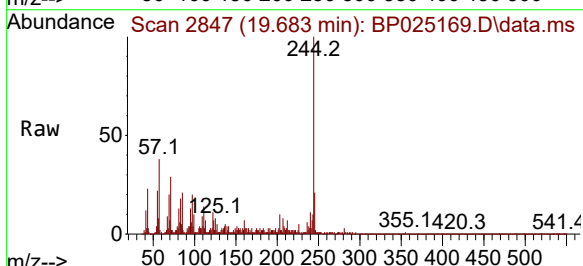
Tgt Ion:244 Resp: 745028

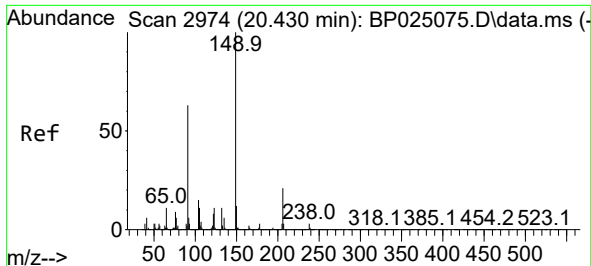
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 11.1 9.4 14.2

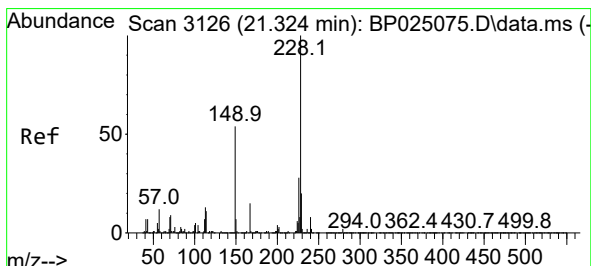
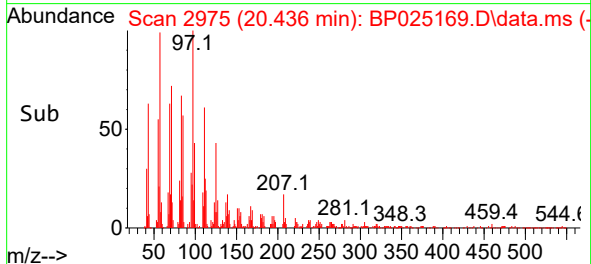
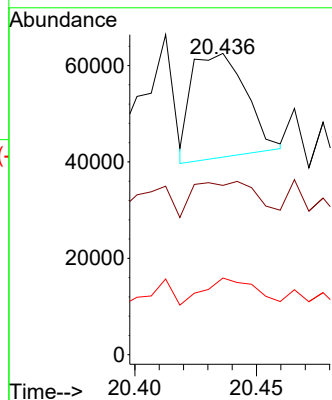
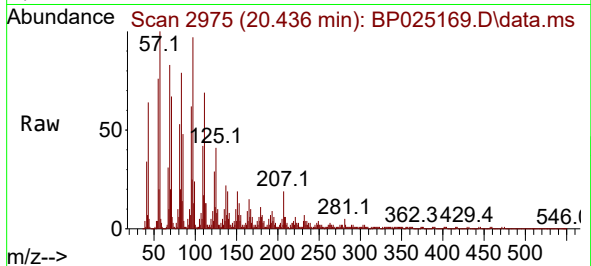




#80
Butylbenzylphthalate
Concen: 4.109 ng
RT: 20.436 min Scan# 2974
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

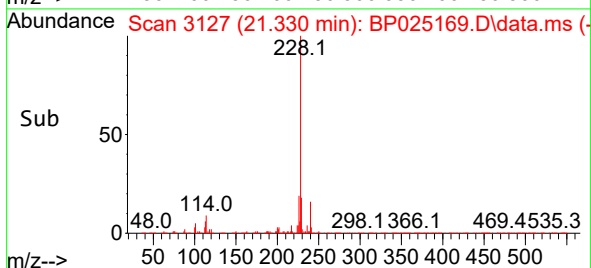
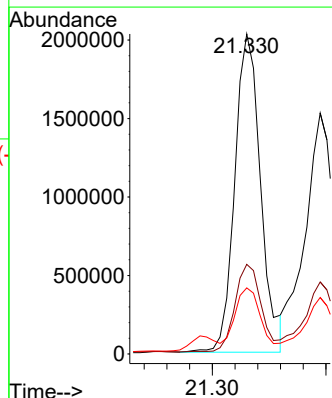
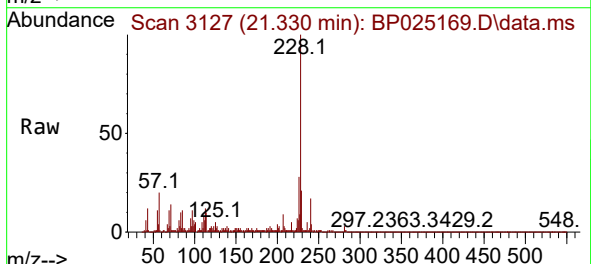
Instrument :
BNA_P
ClientSampleId :
EO-02-071525

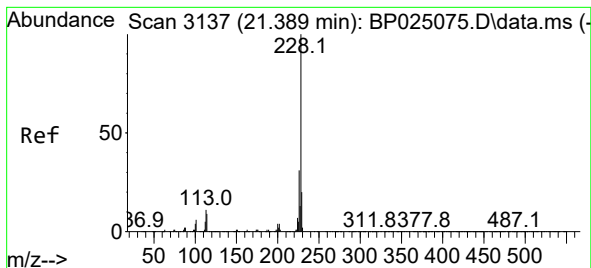
Tgt Ion:149 Resp: 33707
Ion Ratio Lower Upper
149 100
91 56.2 50.6 76.0
206 25.5 17.2 25.8



#81
Benzo(a)anthracene
Concen: 17.307 ng
RT: 21.330 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:228 Resp: 3199757
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.7 16.0 24.0





#83

Chrysene

Concen: 15.101 ng

RT: 21.395 min Scan# 3137

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

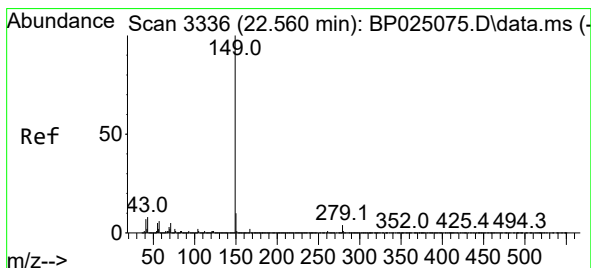
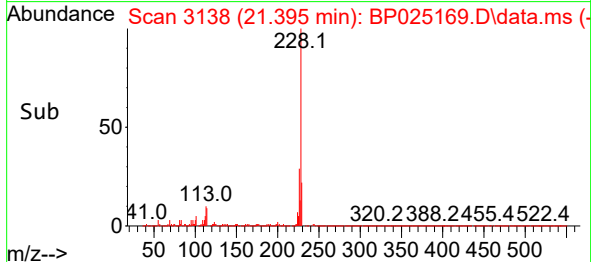
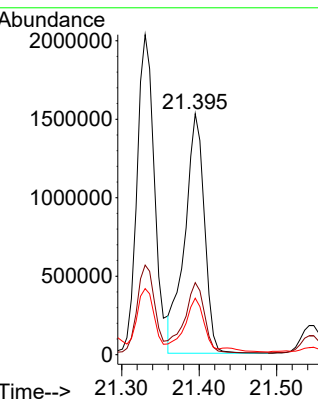
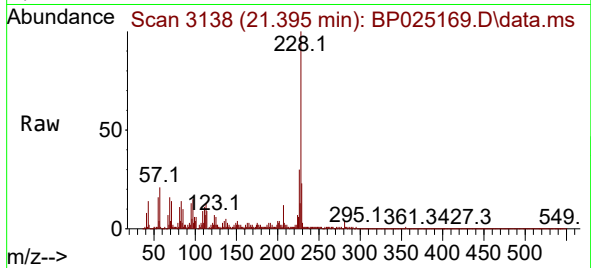
Tgt Ion:228 Resp: 2686848

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 23.4 16.0 24.0



#85

Di-n-octyl phthalate

Concen: 6.124 ng

RT: 22.577 min Scan# 3339

Delta R.T. 0.017 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

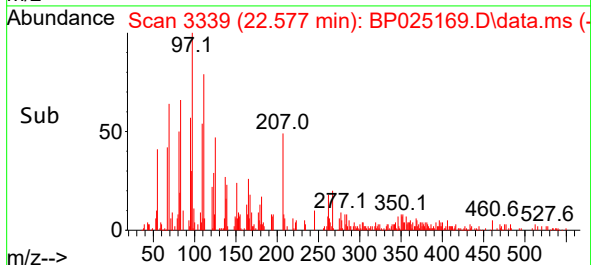
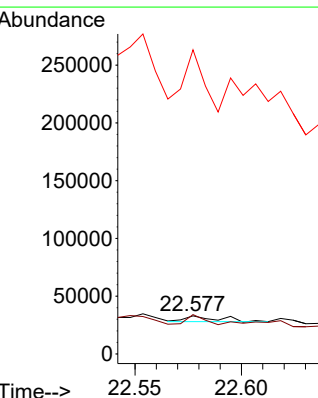
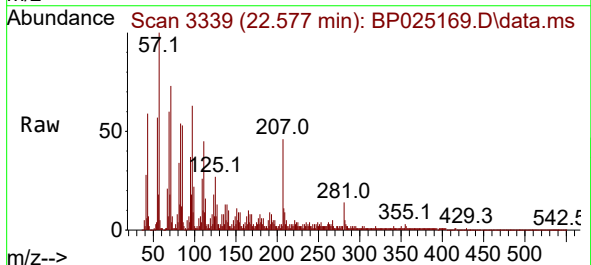
Tgt Ion:149 Resp: 5231

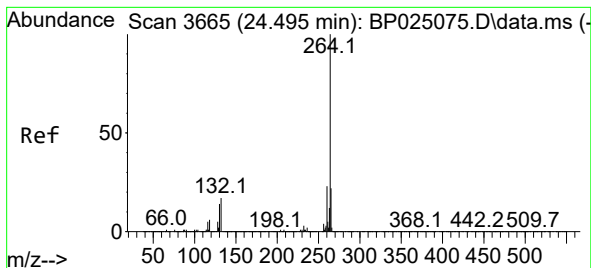
Ion Ratio Lower Upper

149 100

167 89.6 1.3 1.9#

43 0.0 6.9 10.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.501 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

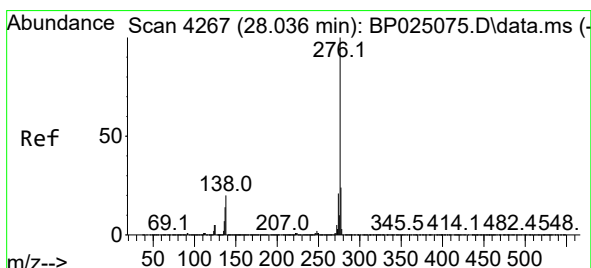
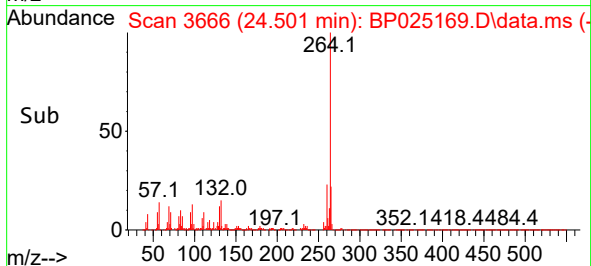
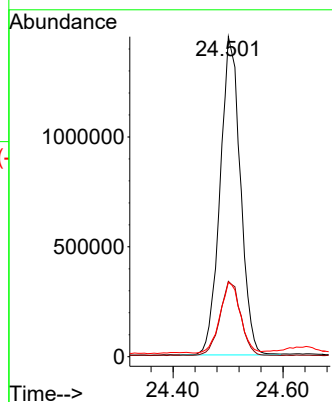
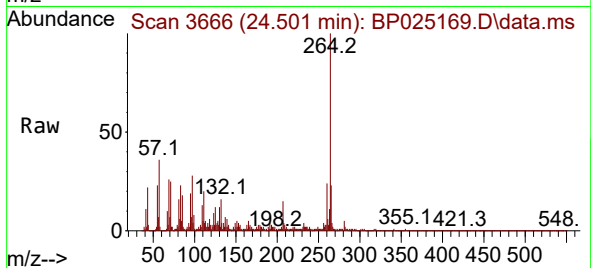
Tgt Ion:264 Resp: 3712083

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 23.2 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.475 ng

RT: 28.048 min Scan# 4269

Delta R.T. 0.012 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

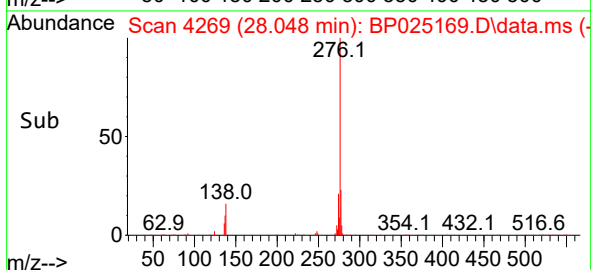
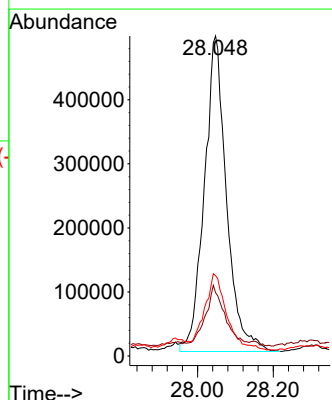
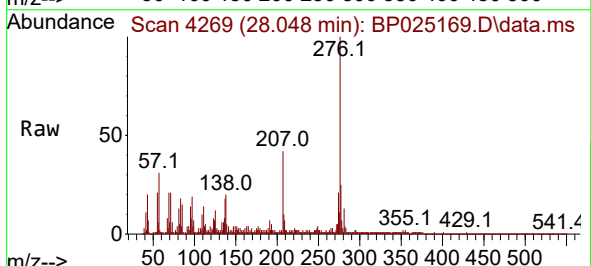
Tgt Ion:276 Resp: 2004156

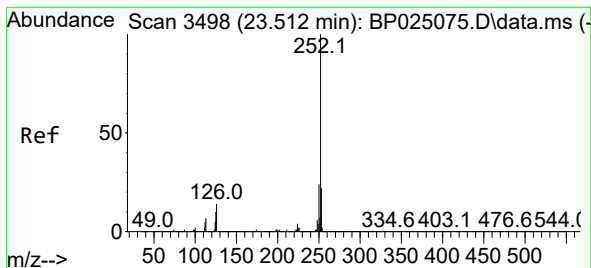
Ion Ratio Lower Upper

276 100

138 15.1 13.0 19.6

277 24.2 15.9 23.9#





#88

Benzo(b)fluoranthene

Concen: 16.906 ng

RT: 23.518 min Scan# 3498

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

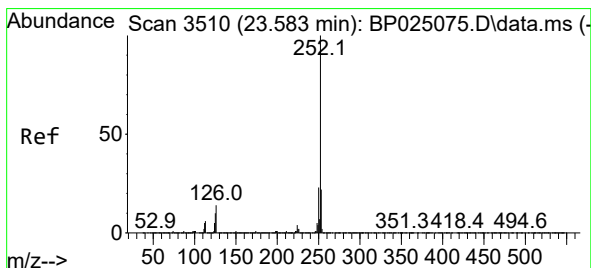
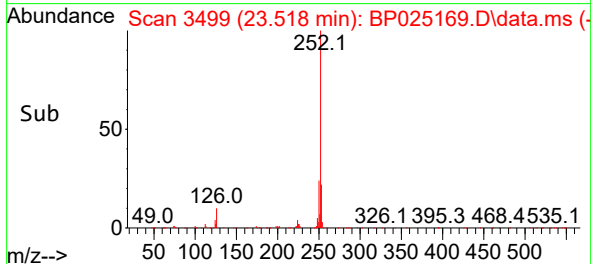
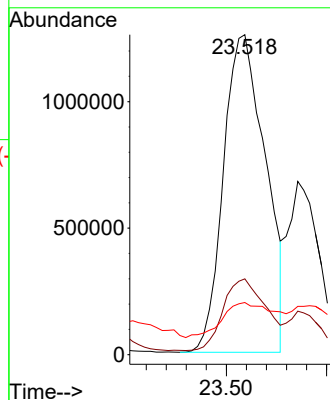
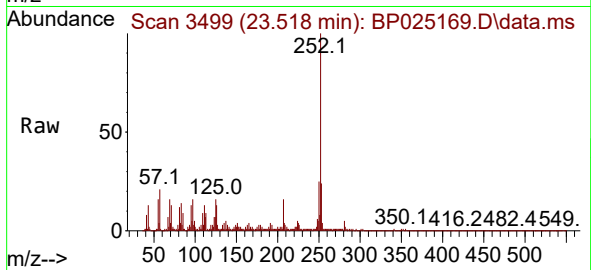
Tgt Ion:252 Resp: 3652813

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 16.3 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 5.837 ng

RT: 23.571 min Scan# 3508

Delta R.T. -0.012 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

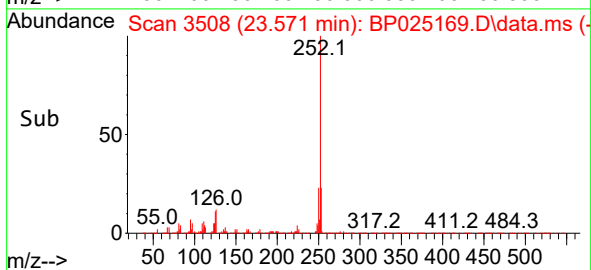
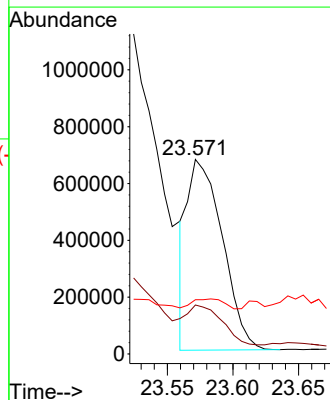
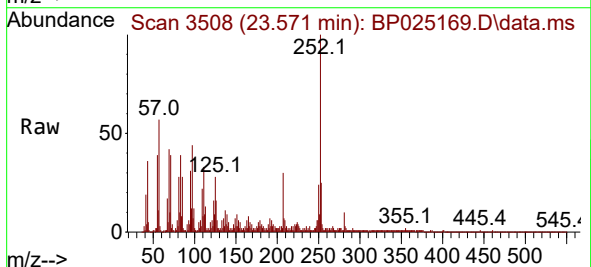
Tgt Ion:252 Resp: 1254902

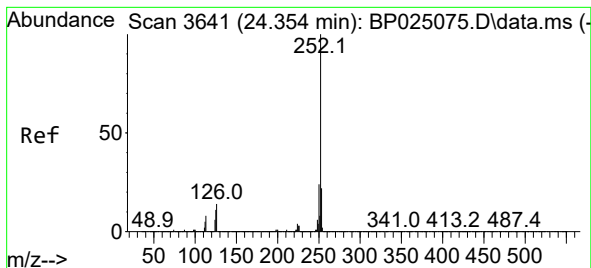
Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

125 27.9 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 15.796 ng

RT: 24.354 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

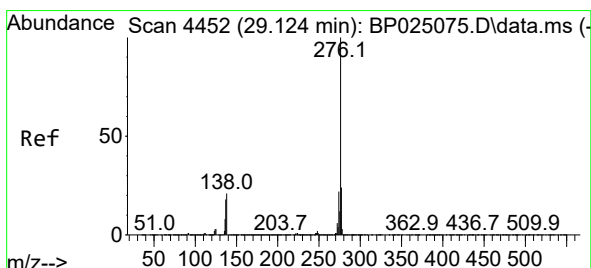
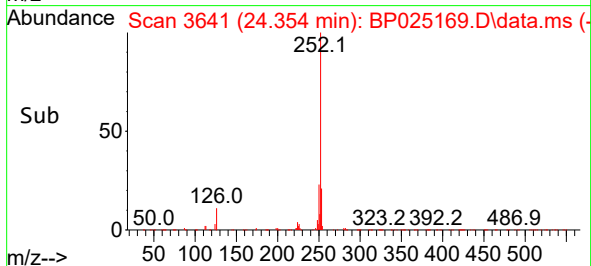
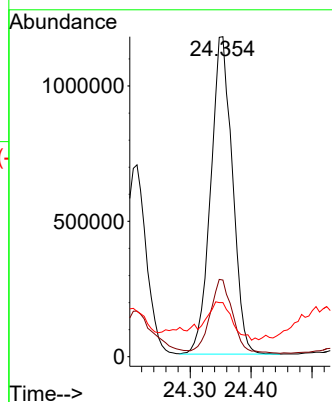
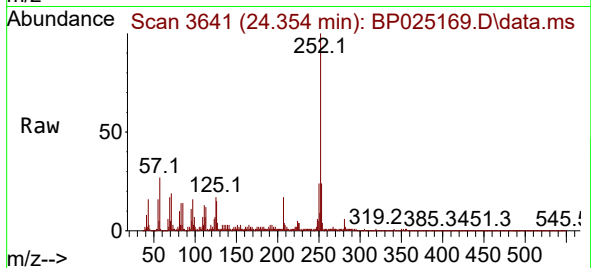
Tgt Ion:252 Resp: 2904788

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 16.9 9.0 13.4#



#92

Benzo(g,h,i)perylene

Concen: 9.101 ng

RT: 29.147 min Scan# 4456

Delta R.T. 0.023 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Tgt Ion:276 Resp: 1837836

Ion Ratio Lower Upper

276 100

277 24.4 19.3 28.9

138 22.6 16.9 25.3

