

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121125\
 Data File : BP026302.D
 Acq On : 11 Dec 2025 21:22
 Operator : RC/JU
 Sample : Q3834-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B127(8-10)120925

Quant Time: Dec 11 23:43:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 05 14:52:44 2025
 Response via : Initial Calibration

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

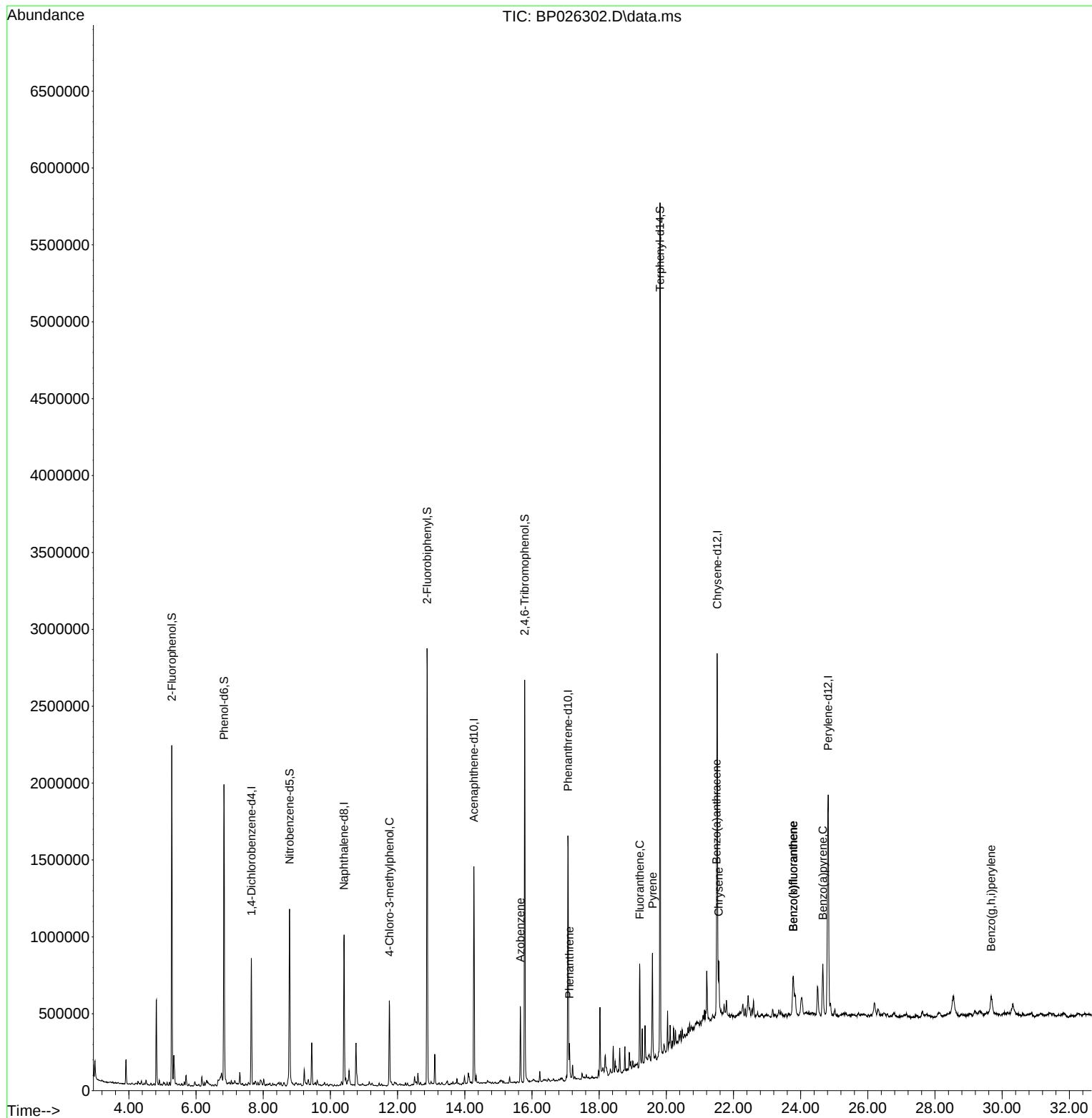
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	227895	20.000	ng	0.00
21) Naphthalene-d8	10.408	136	853442	20.000	ng	-0.01
39) Acenaphthene-d10	14.272	164	527469	20.000	ng	-0.02
64) Phenanthrene-d10	17.072	188	1067730	20.000	ng	-0.02
76) Chrysene-d12	21.513	240	1270033	20.000	ng	-0.02
86) Perylene-d12	24.819	264	1499824	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	1010036	71.253	ng	0.00
7) Phenol-d6	6.831	99	1204787	67.332	ng	0.00
23) Nitrobenzene-d5	8.784	82	697870	46.544	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	525862	76.661	ng	-0.02
45) 2-Fluorobiphenyl	12.878	172	1652078	45.537	ng	-0.02
79) Terphenyl-d14	19.813	244	2668743	42.949	ng	-0.02
Target Compounds						
						Qvalue
36) 4-Chloro-3-methylphenol	11.755	107	131983	9.075	ng	# 18
63) Azobenzene	15.654	77	141085	4.256	ng	# 1
71) Phenanthrene	17.113	178	146416	2.432	ng	99
75) Fluoranthene	19.207	202	409655	5.592	ng	99
78) Pyrene	19.589	202	482313	5.828	ng	99
81) Benzo(a)anthracene	21.495	228	292926	3.362	ng	93
83) Chrysene	21.560	228	284565	3.450	ng	97
88) Benzo(b)fluoranthene	23.783	252	346921	3.806	ng	97
89) Benzo(k)fluoranthene	23.783	252	346921	3.805	ng	# 96
90) Benzo(a)pyrene	24.660	252	347063	4.015	ng	99
92) Benzo(g,h,i)perylene	29.671	276	219787	2.378	ng	98

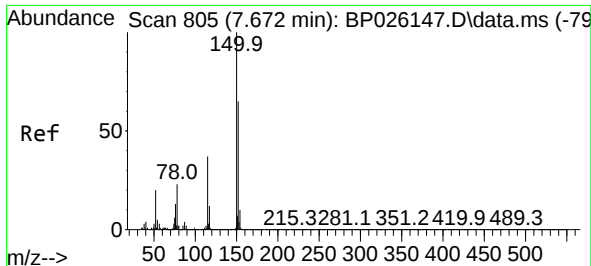
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121125\
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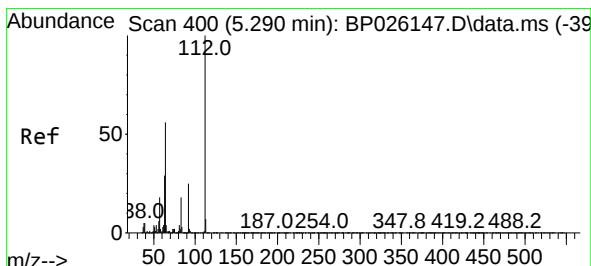
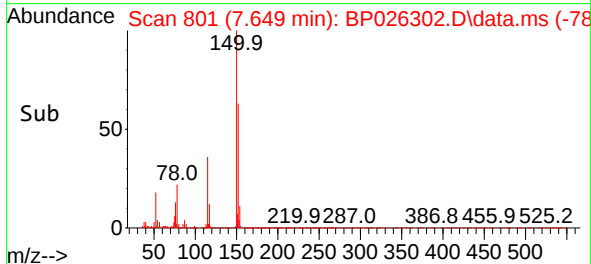
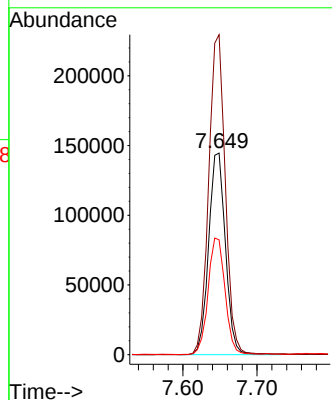
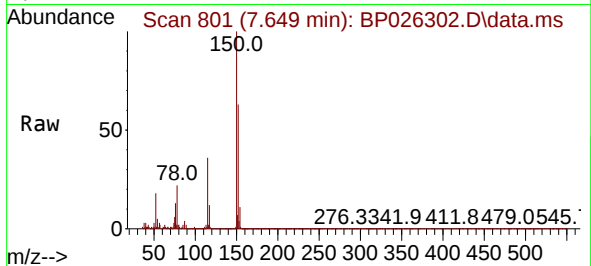




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

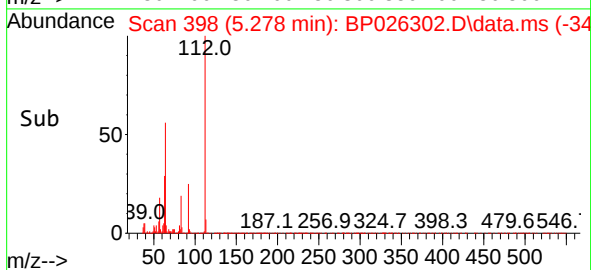
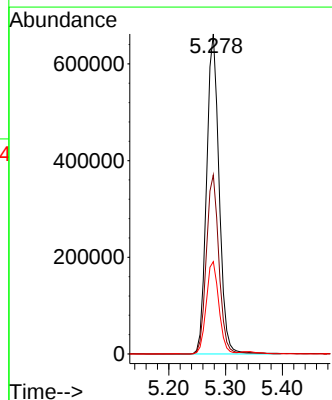
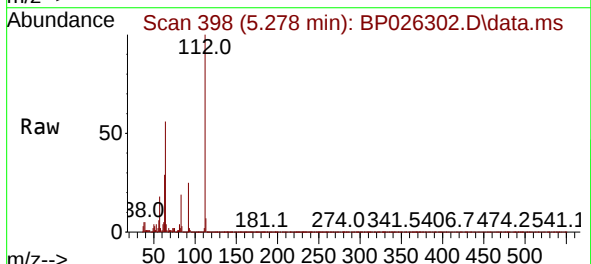
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

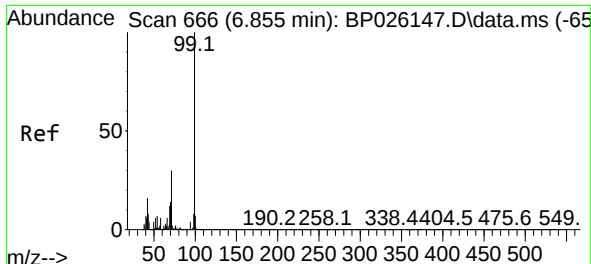
Tgt Ion:152 Resp: 227895
Ion Ratio Lower Upper
152 100
150 158.7 123.0 184.6
115 57.0 46.3 69.5



#5
2-Fluorophenol
Concen: 71.253 ng
RT: 5.278 min Scan# 398
Delta R.T. 0.000 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

Tgt Ion:112 Resp: 1010036
Ion Ratio Lower Upper
112 100
64 56.0 45.8 68.6
63 28.8 23.5 35.3

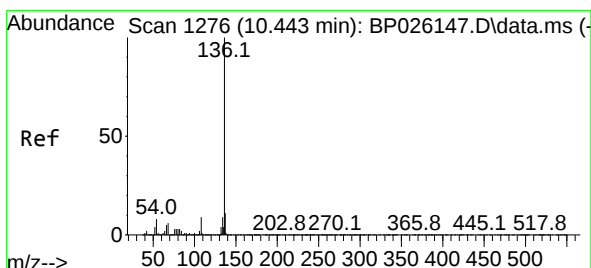
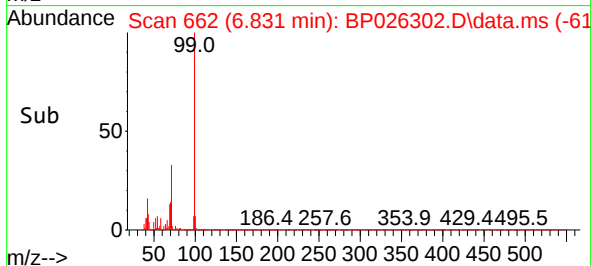
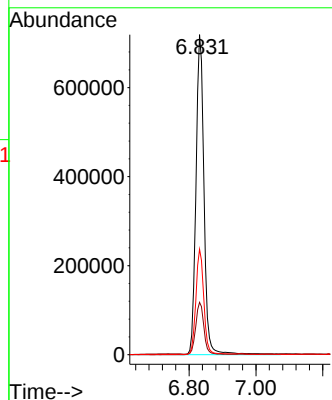
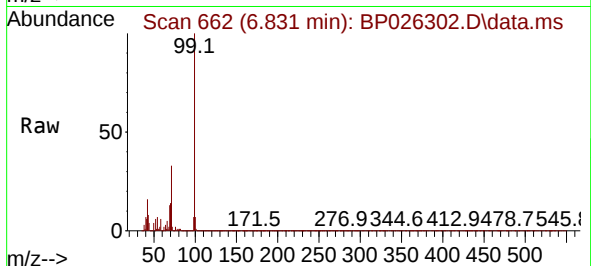




#7
Phenol-d6
Concen: 67.332 ng
RT: 6.831 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

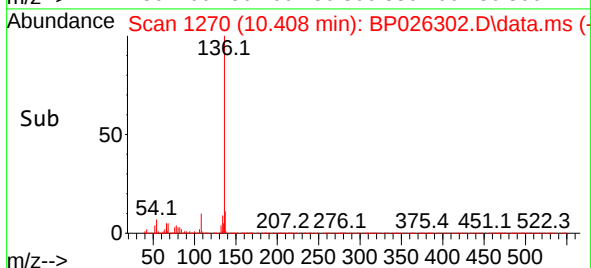
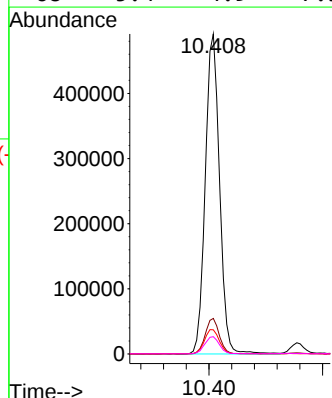
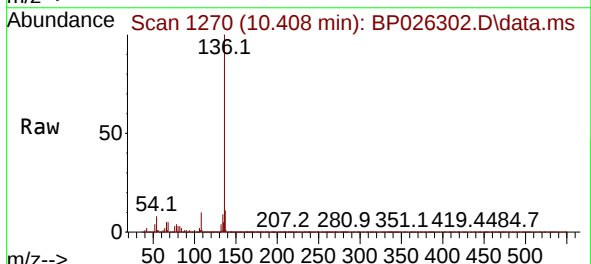
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

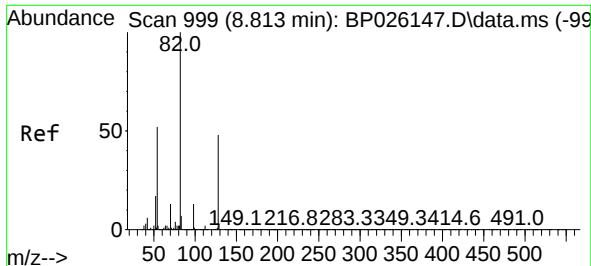
Tgt Ion: 99 Resp: 1204787
Ion Ratio Lower Upper
99 100
42 16.3 12.9 19.3
71 33.0 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.408 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

Tgt Ion: 136 Resp: 853442
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.5 6.4 9.6
68 5.4 4.9 7.3

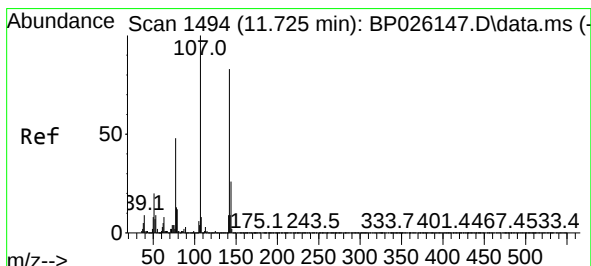
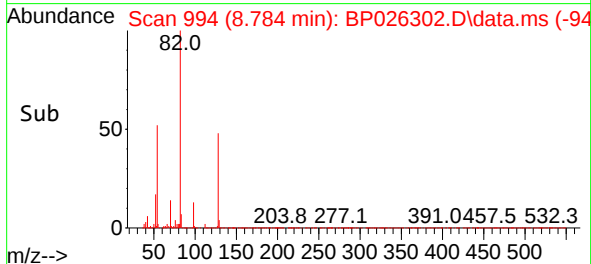
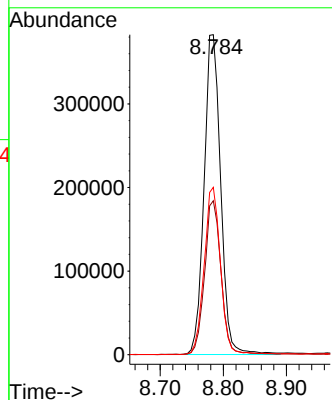
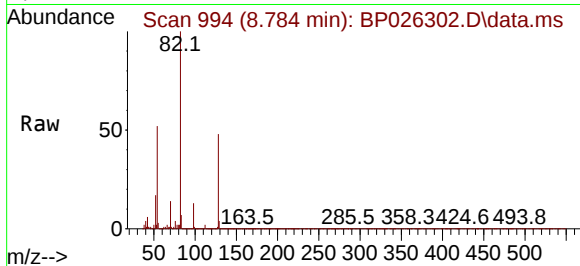




#23
 Nitrobenzene-d5
 Concen: 46.544 ng
 RT: 8.784 min Scan# 994
 Delta R.T. -0.006 min
 Lab File: BP026302.D
 Acq: 11 Dec 2025 21:22

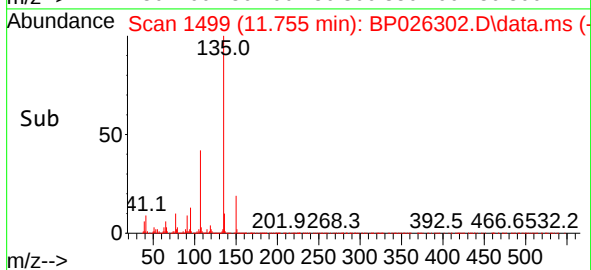
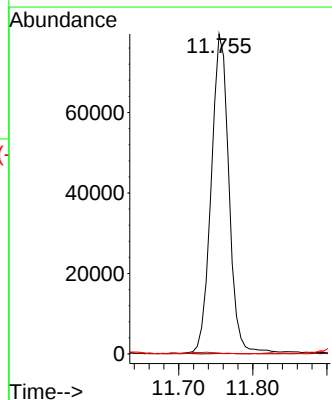
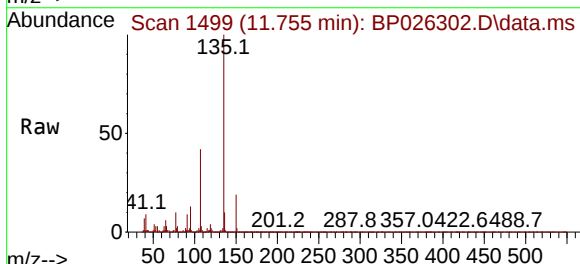
Instrument :
 BNA_P
 ClientSampleId :
 B127(8-10)120925

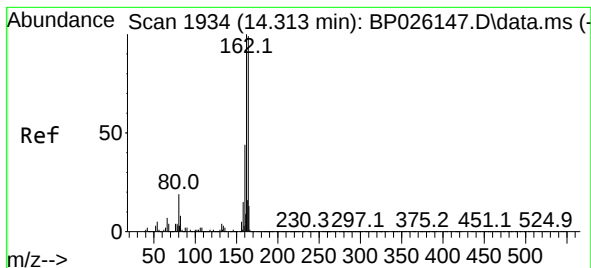
Tgt Ion: 82 Resp: 697870
 Ion Ratio Lower Upper
 82 100
 128 48.1 37.4 56.0
 54 52.3 41.6 62.4



#36
 4-Chloro-3-methylphenol
 Concen: 9.075 ng
 RT: 11.755 min Scan# 1499
 Delta R.T. 0.047 min
 Lab File: BP026302.D
 Acq: 11 Dec 2025 21:22

Tgt Ion: 107 Resp: 131983
 Ion Ratio Lower Upper
 107 100
 144 0.1 21.6 32.4#
 142 0.3 65.6 98.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.272 min Scan# 1934

Delta R.T. -0.018 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

BNA_P

ClientSampleId :

B127(8-10)120925

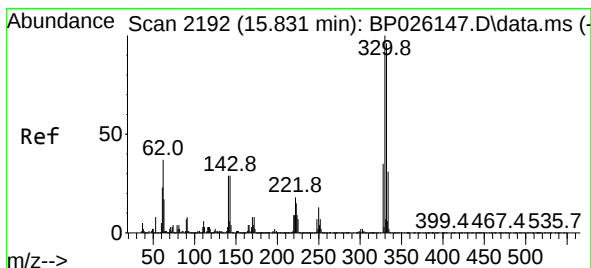
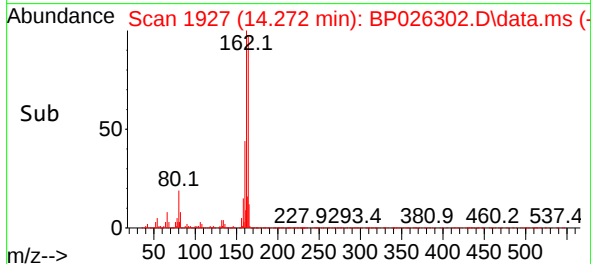
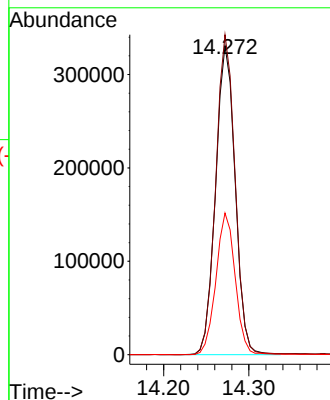
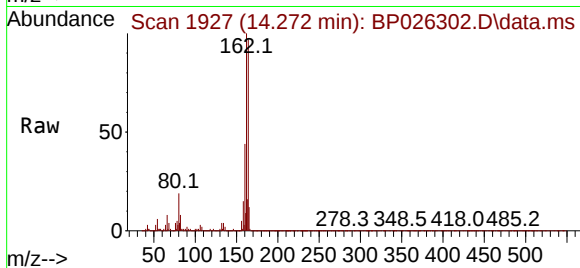
Tgt Ion:164 Resp: 527469

Ion Ratio Lower Upper

164 100

162 103.5 80.3 120.5

160 45.8 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 76.661 ng

RT: 15.784 min Scan# 2184

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

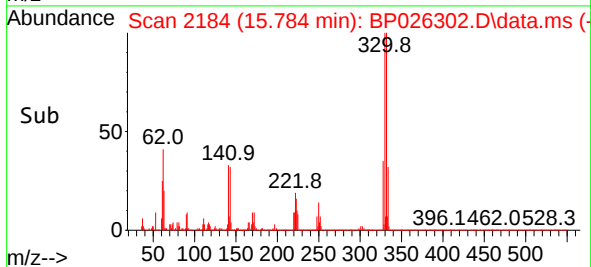
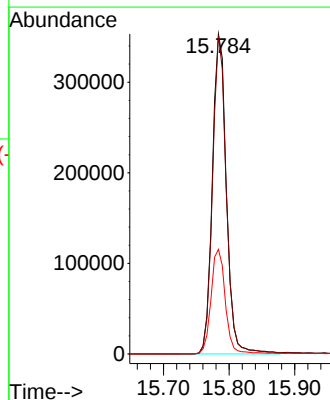
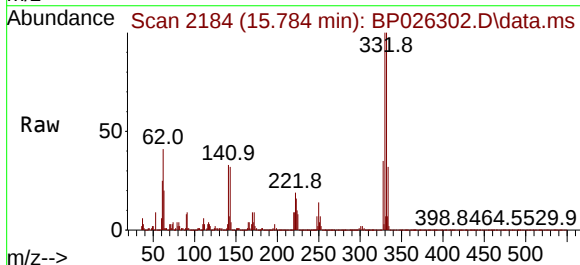
Tgt Ion:330 Resp: 525862

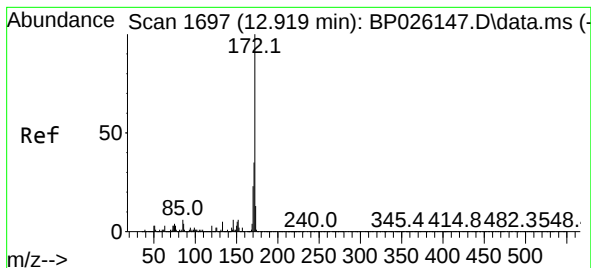
Ion Ratio Lower Upper

330 100

332 98.0 78.0 117.0

141 33.3 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 45.537 ng

RT: 12.878 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

BNA_P

ClientSampleId :

B127(8-10)120925

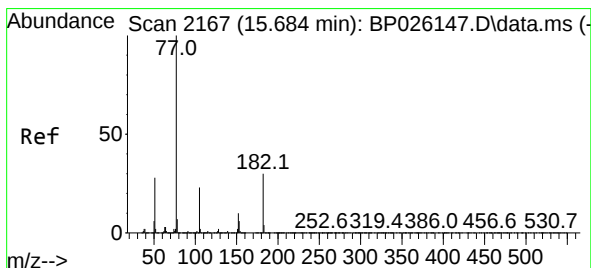
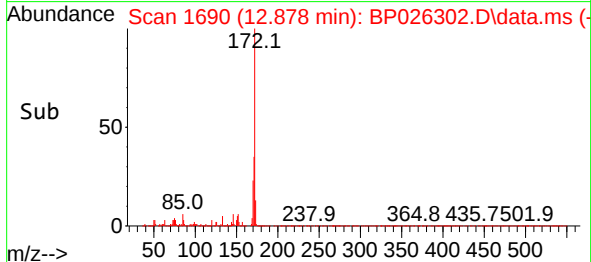
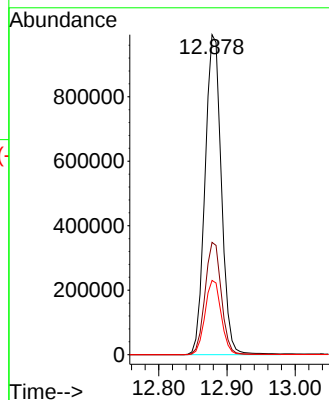
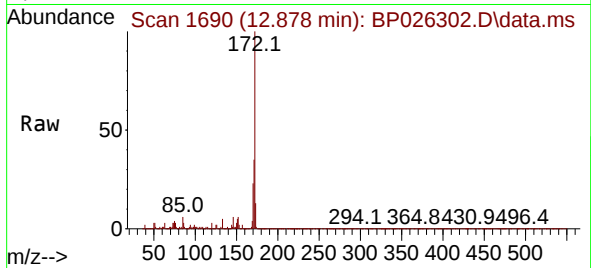
Tgt Ion:172 Resp: 1652078

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.7 28.1



#63

Azobenzene

Concen: 4.256 ng

RT: 15.654 min Scan# 2162

Delta R.T. 0.000 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Tgt Ion: 77 Resp: 141085

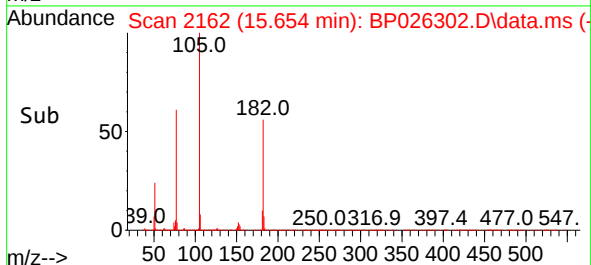
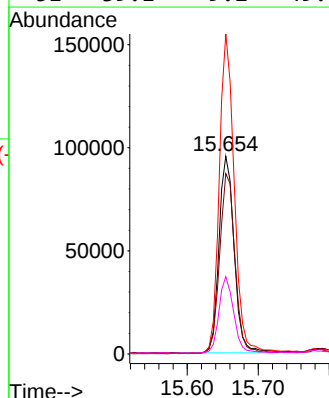
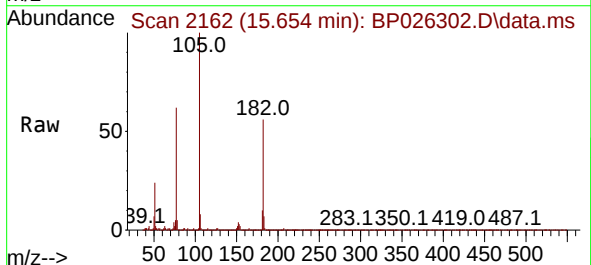
Ion Ratio Lower Upper

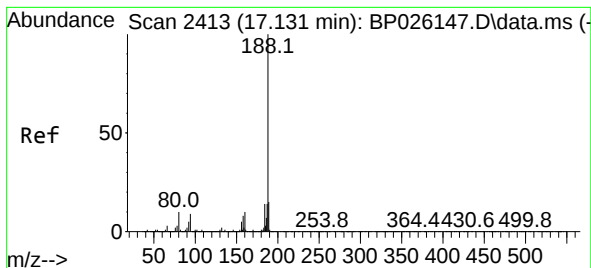
77 100

182 91.2 8.8 48.8#

105 161.8 2.6 42.6#

51 39.1 9.2 49.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.072 min Scan# 2410

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

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ClientSampleId :

B127(8-10)120925

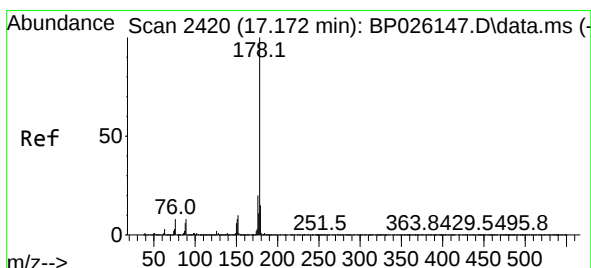
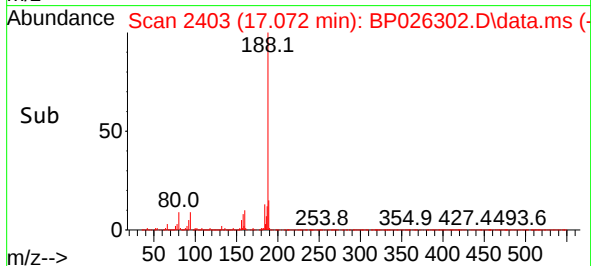
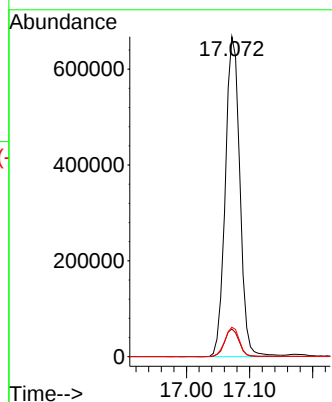
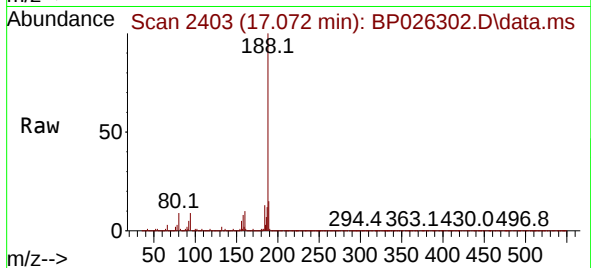
Tgt Ion:188 Resp: 1067730

Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

80 9.2 8.2 12.2



#71

Phenanthrene

Concen: 2.432 ng

RT: 17.113 min Scan# 2410

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

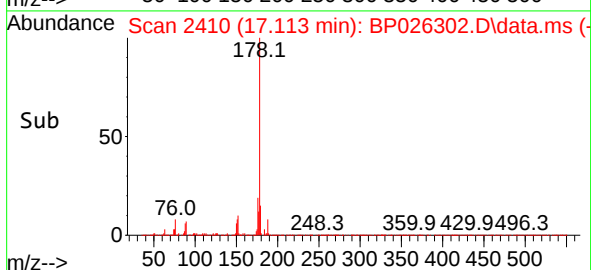
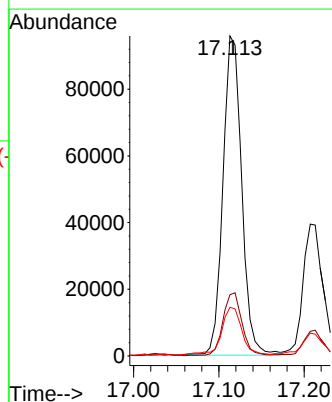
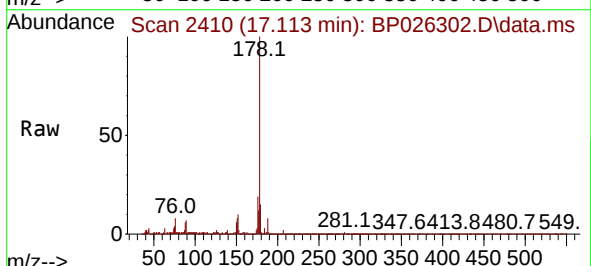
Tgt Ion:178 Resp: 146416

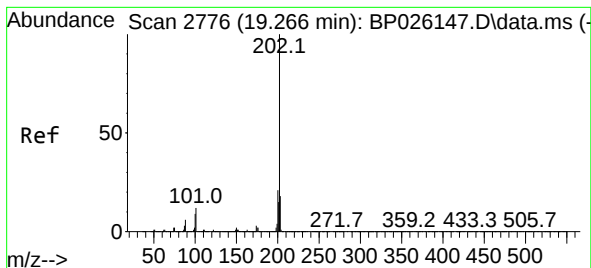
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.2 12.4 18.6





#75

Fluoranthene

Concen: 5.592 ng

RT: 19.207 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

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ClientSampleId :

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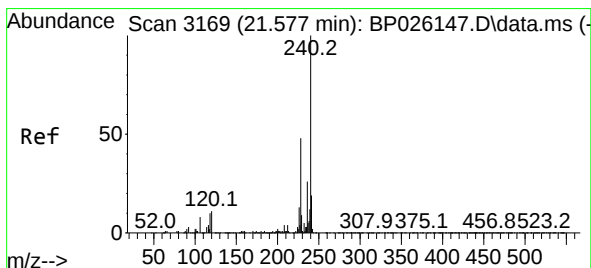
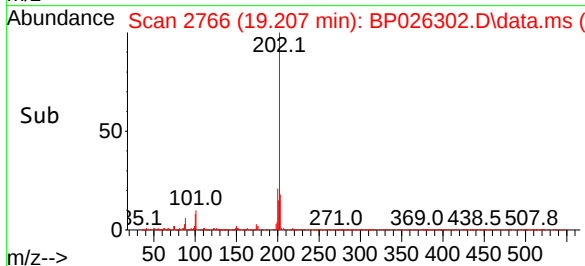
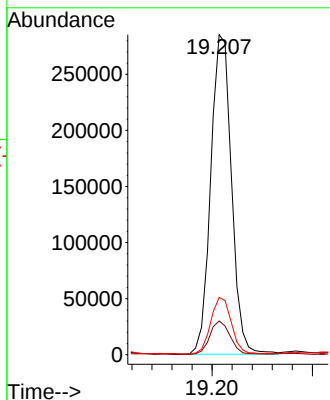
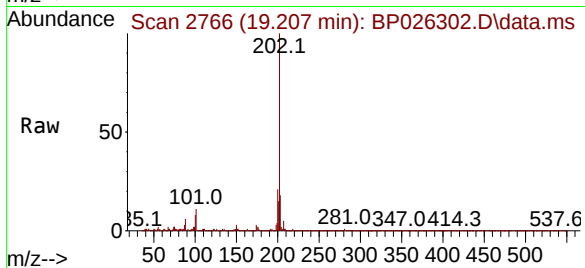
Tgt Ion:202 Resp: 409655

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.2

203 17.9 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.513 min Scan# 3158

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

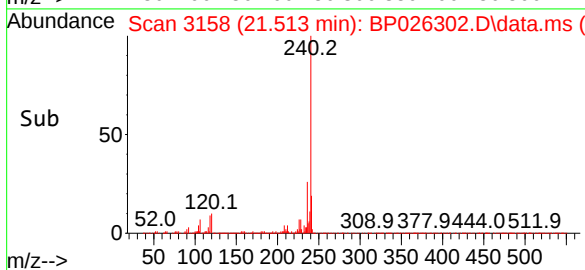
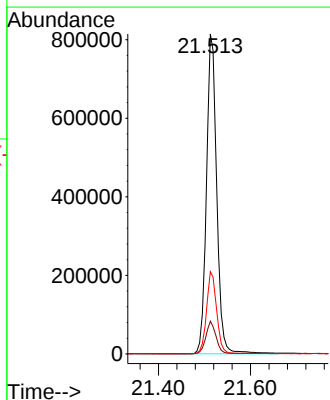
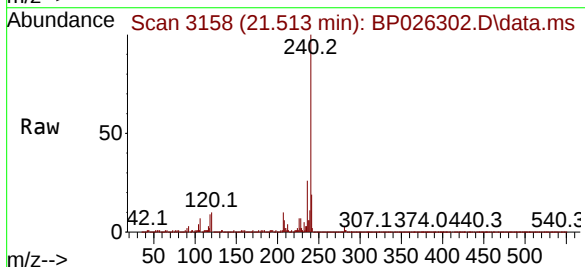
Tgt Ion:240 Resp: 1270033

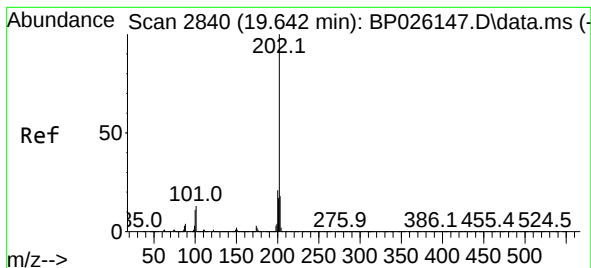
Ion Ratio Lower Upper

240 100

120 10.3 9.0 13.4

236 25.7 20.4 30.6





#78

Pyrene

Concen: 5.828 ng

RT: 19.589 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

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ClientSampleId :

B127(8-10)120925

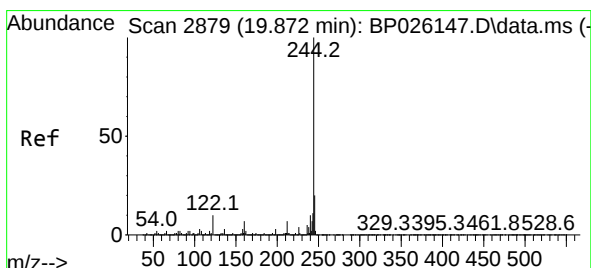
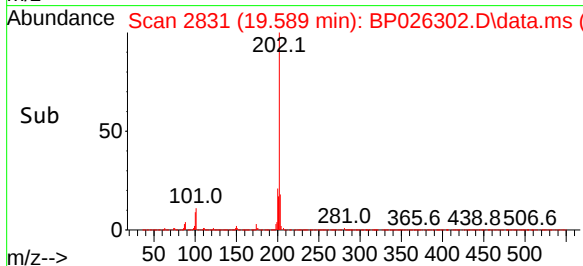
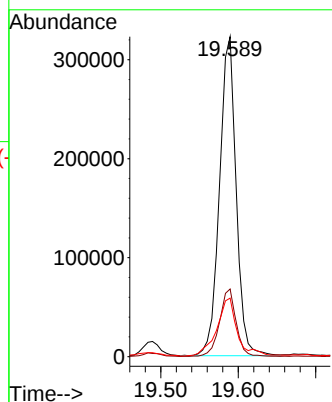
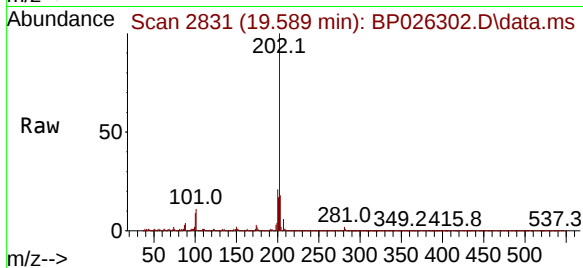
Tgt Ion:202 Resp: 482313

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.3 13.8 20.8



#79

Terphenyl-d14

Concen: 42.949 ng

RT: 19.813 min Scan# 2869

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

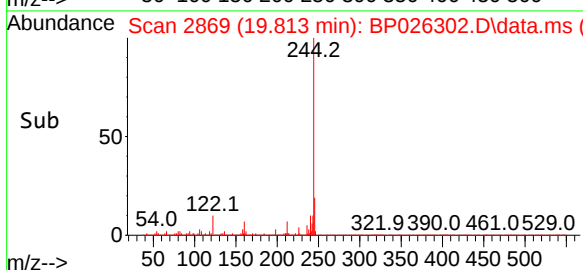
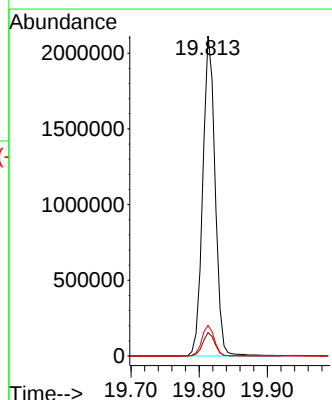
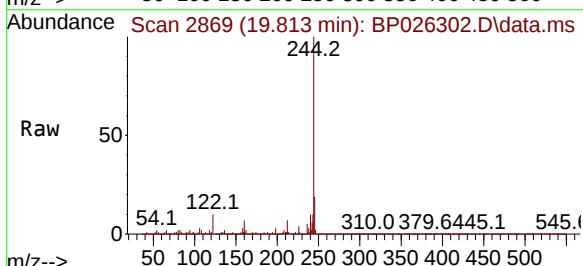
Tgt Ion:244 Resp: 2668743

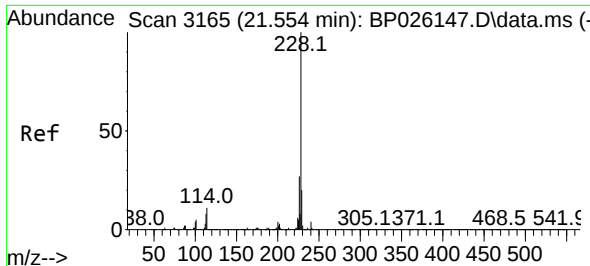
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 9.6 8.2 12.2

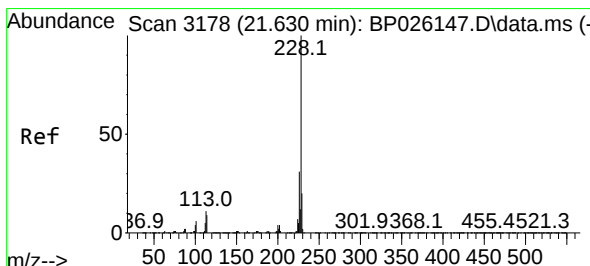
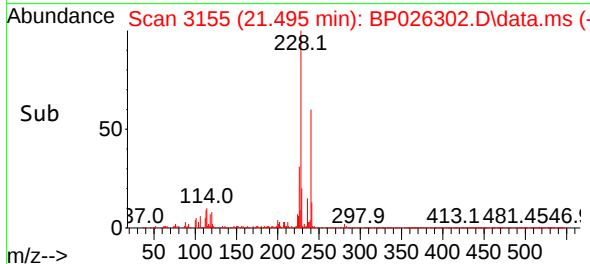
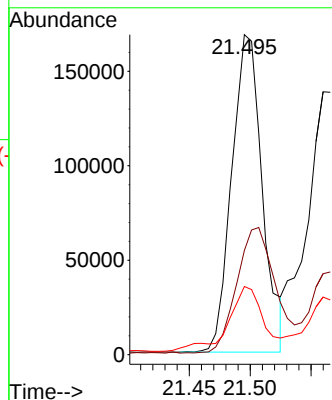
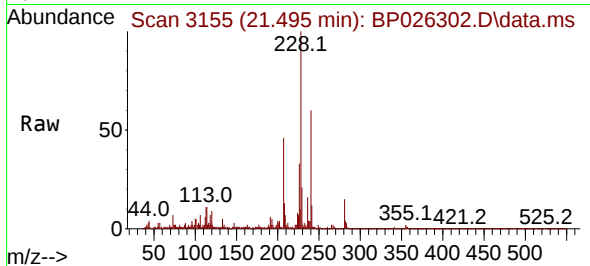




#81
Benzo(a)anthracene
Concen: 3.362 ng
RT: 21.495 min Scan# 3165
Delta R.T. -0.024 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

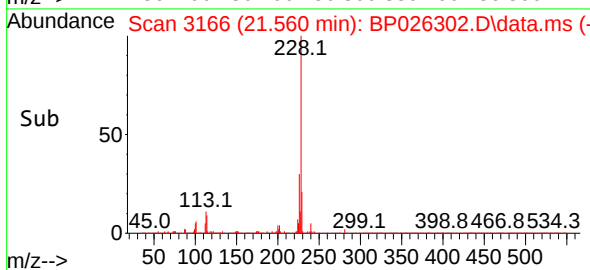
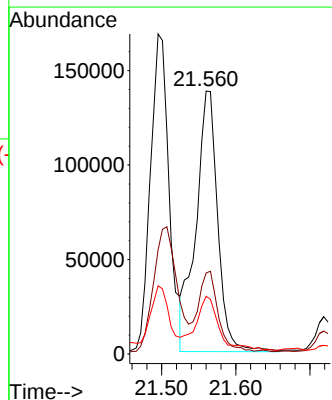
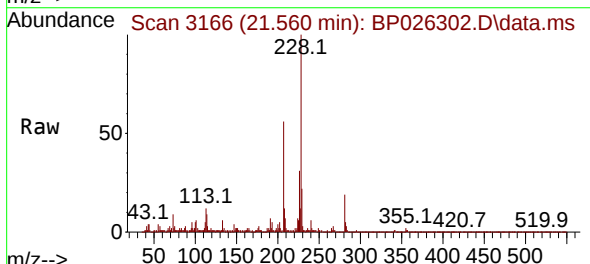
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

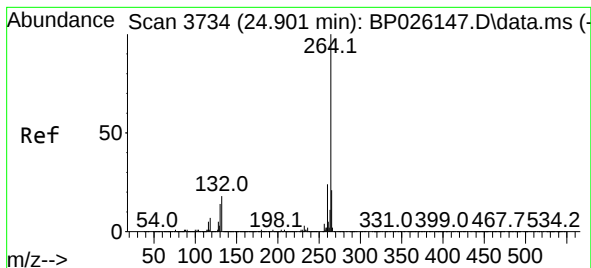
Tgt Ion:228 Resp: 292926
Ion Ratio Lower Upper
228 100
226 32.5 21.8 32.8
229 21.3 15.9 23.9



#83
Chrysene
Concen: 3.450 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

Tgt Ion:228 Resp: 284565
Ion Ratio Lower Upper
228 100
226 30.8 23.9 35.9
229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.819 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

BNA_P

ClientSampleId :

B127(8-10)120925

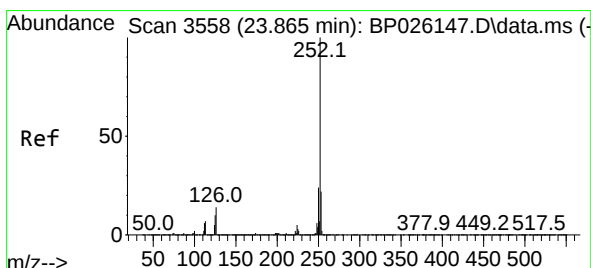
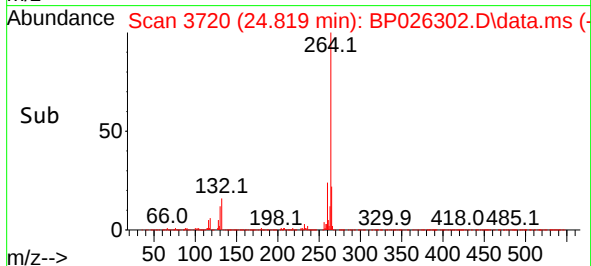
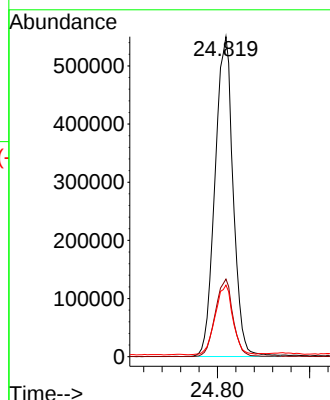
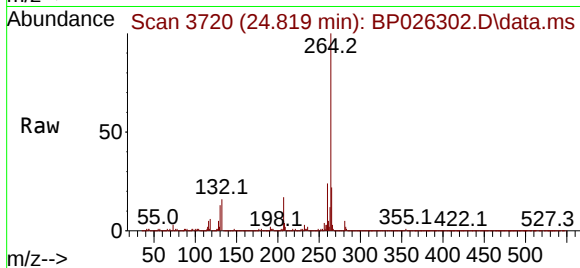
Tgt Ion:264 Resp: 1499824

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.4 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.806 ng

RT: 23.783 min Scan# 3544

Delta R.T. -0.012 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

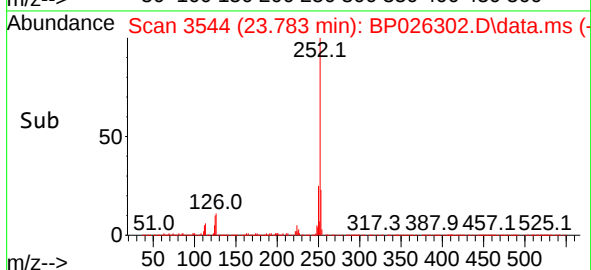
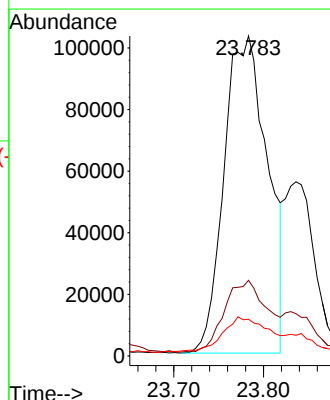
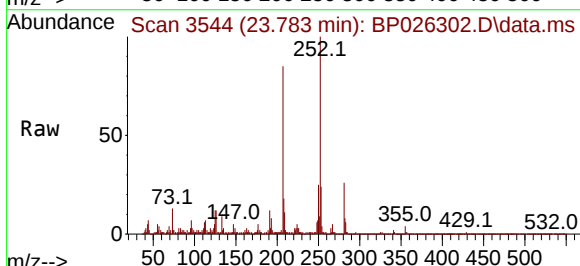
Tgt Ion:252 Resp: 346921

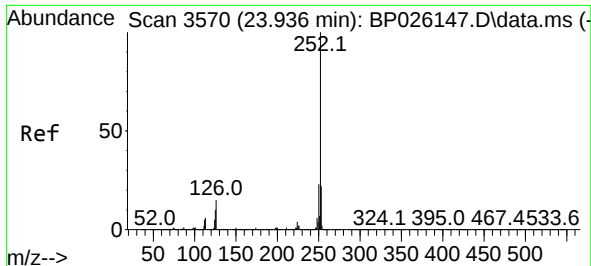
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 11.5 8.2 12.4

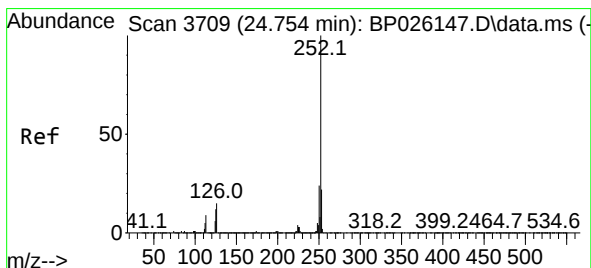
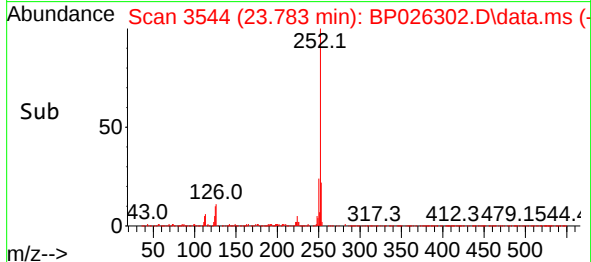
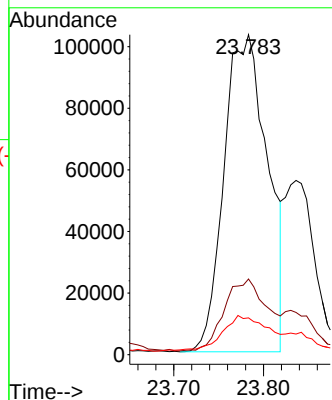
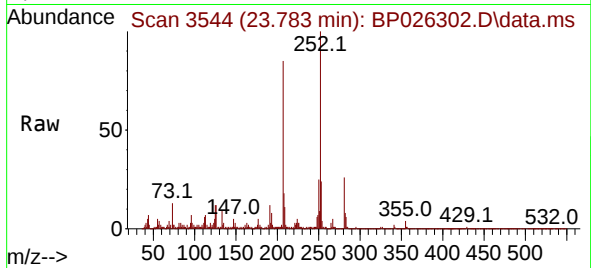




#89
Benzo(k)fluoranthene
Concen: 3.805 ng
RT: 23.783 min Scan# 31
Delta R.T. -0.082 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

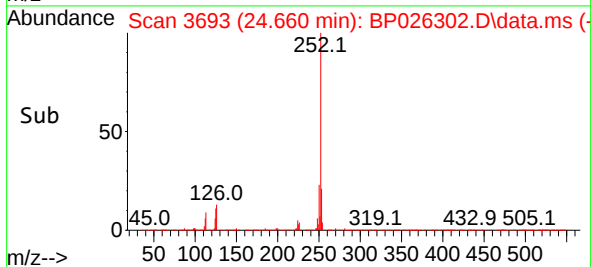
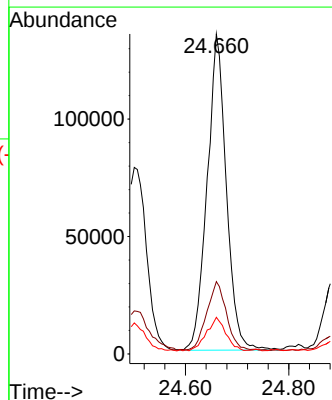
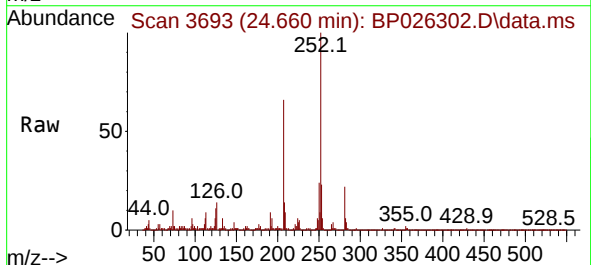
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

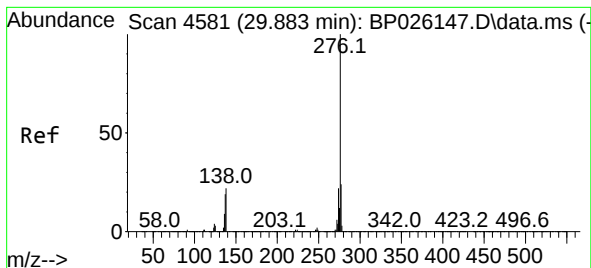
Tgt Ion:252 Resp: 346921
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 11.5 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 4.015 ng
RT: 24.660 min Scan# 3693
Delta R.T. -0.024 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

Tgt Ion:252 Resp: 347063
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.5 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 2.378 ng

RT: 29.671 min Scan# 4545

Delta R.T. -0.076 min

Lab File: BP026302.D

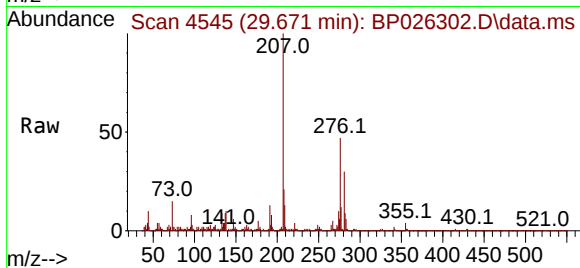
Acq: 11 Dec 2025 21:22

Instrument :

BNA_P

ClientSampleId :

B127(8-10)120925



Tgt Ion:276 Resp: 219787

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 21.4 17.8 26.6

