

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)

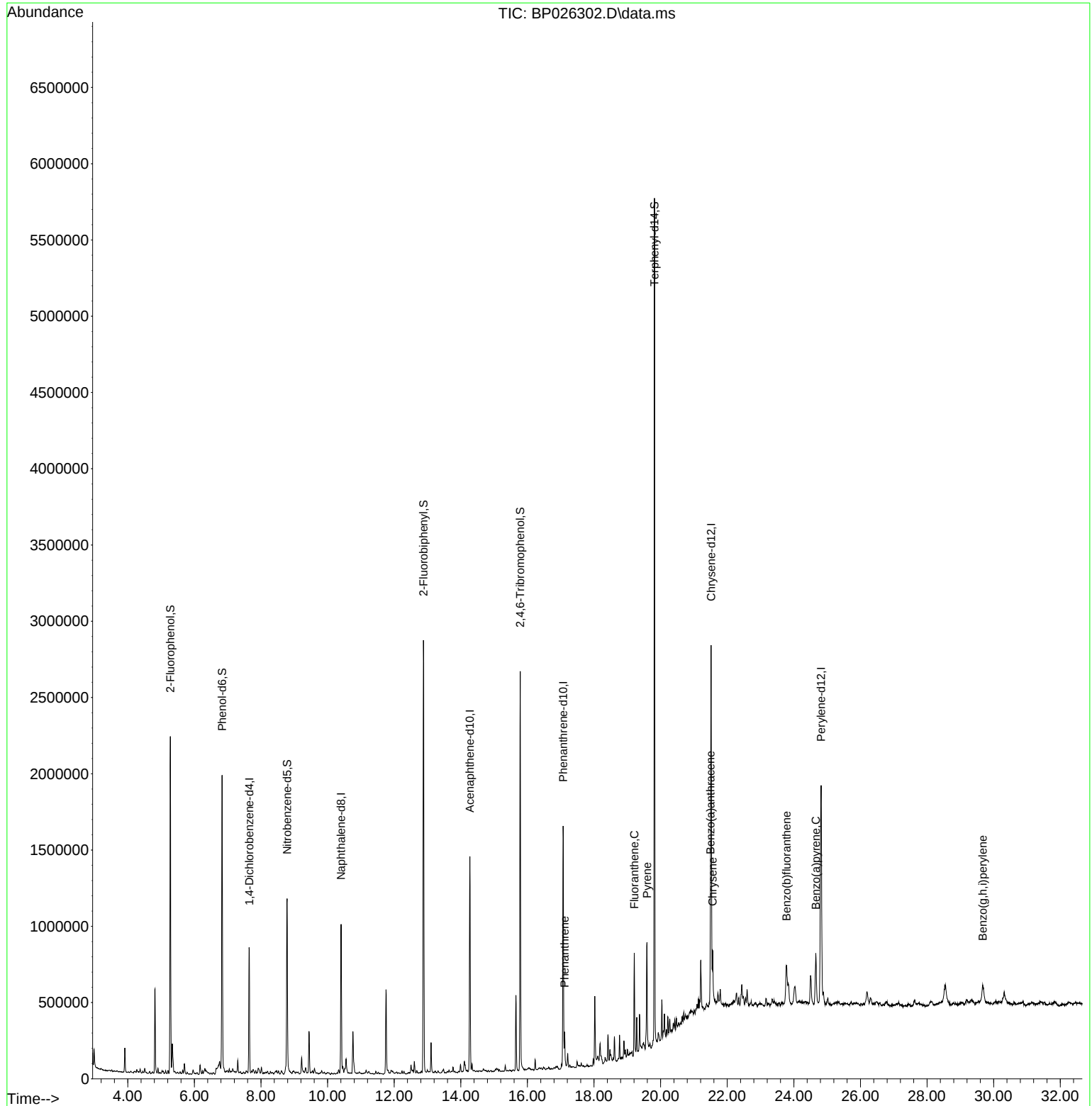
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	227895	20.000	ng	0.00
21) Naphthalene-d8	10.408	136	853442	20.000	ng	-0.01
39) Acenaphthene-d10	14.272	164	527469	20.000	ng	-0.02
64) Phenanthrene-d10	17.072	188	1067730	20.000	ng	-0.02
76) Chrysene-d12	21.513	240	1270033	20.000	ng	-0.02
86) 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
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
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

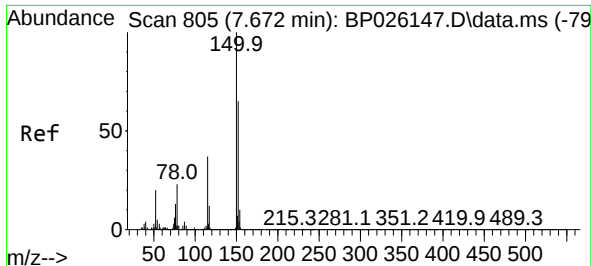
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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B127(8-10)120925

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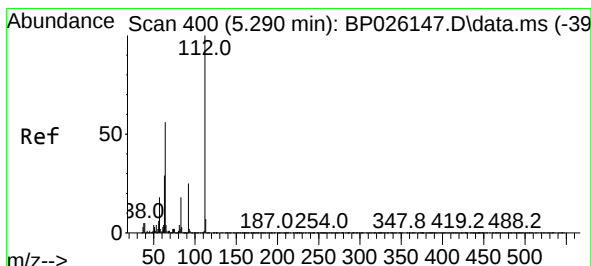
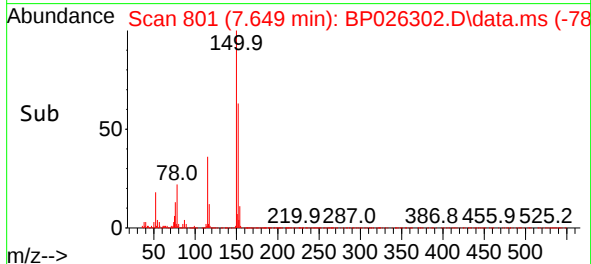
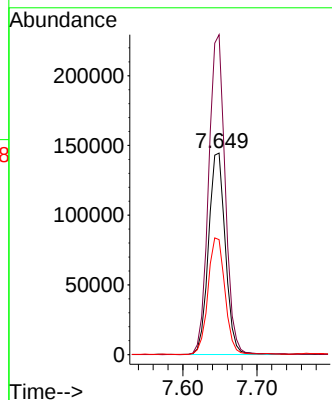
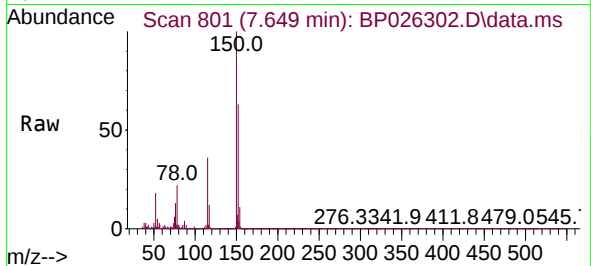




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

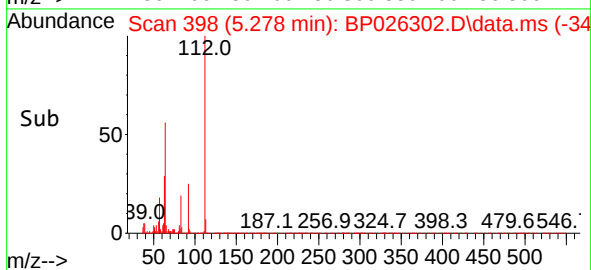
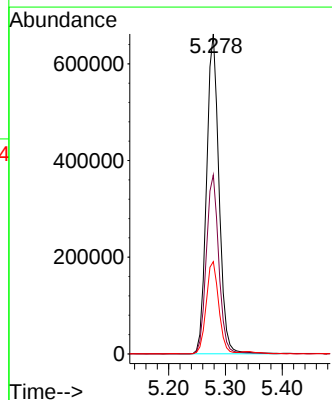
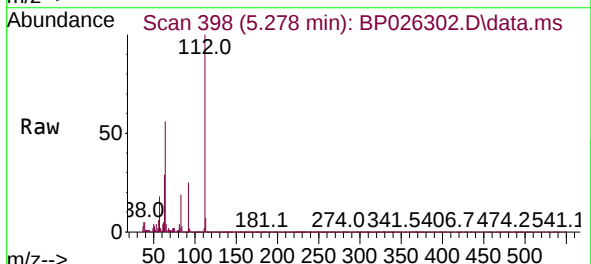
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

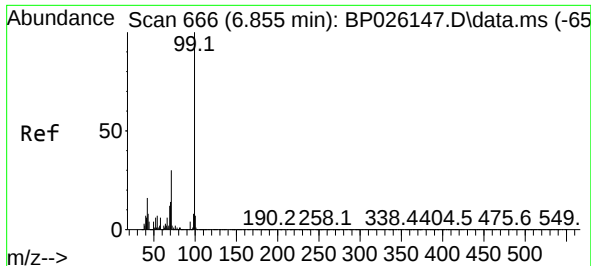
Tgt Ion:152 Resp: 227895
Ion Ratio Lower Upper
152 100
150 158.7 123.0 184.6
115 57.0 46.3 69.5



#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

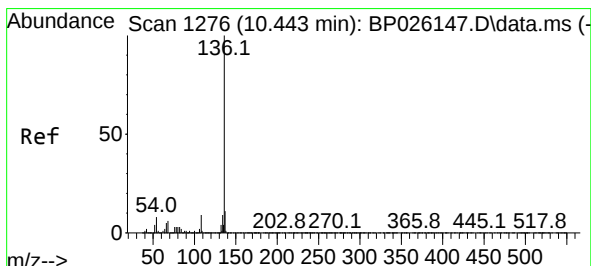
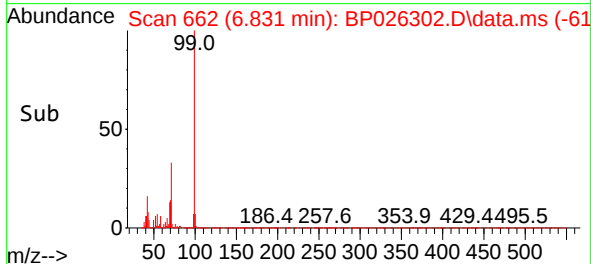
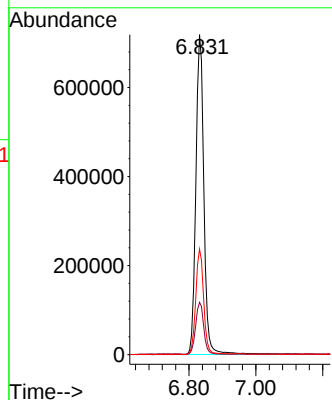
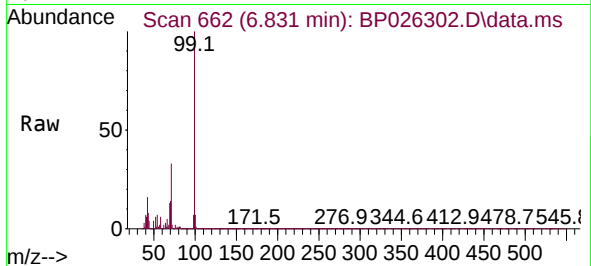




#7
Phenol-d6
Concen: 67.332 ng
RT: 6.831 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

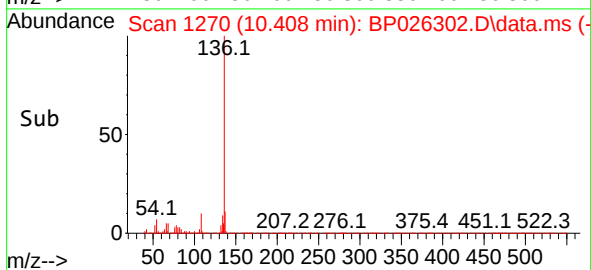
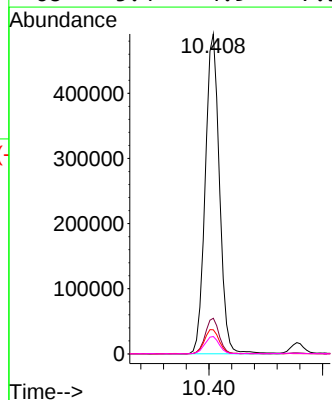
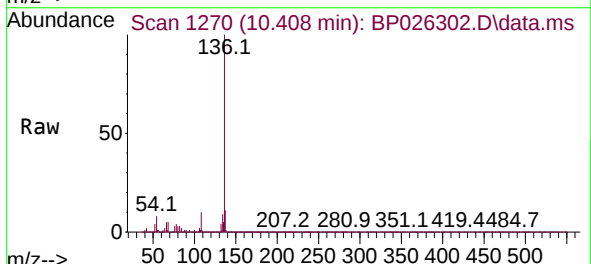
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

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

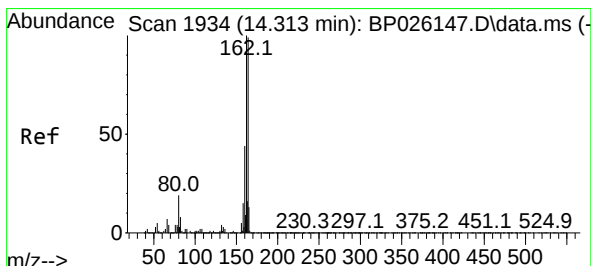
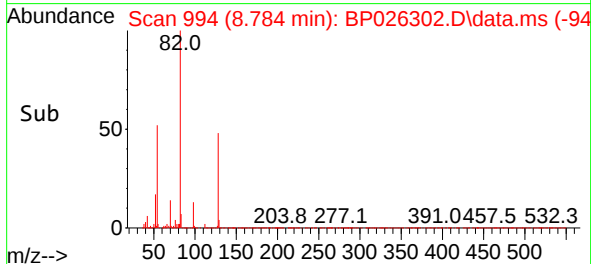
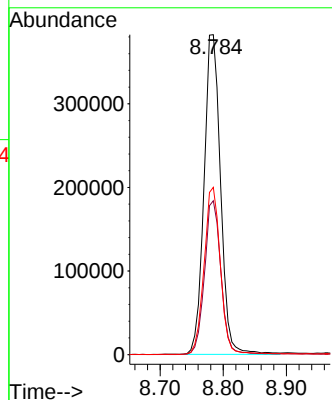
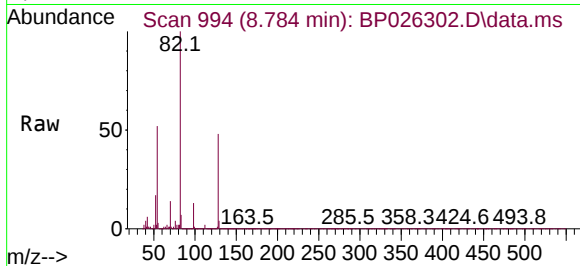




#23
Nitrobenzene-d5
Concen: 46.544 ng
RT: 8.784 min Scan# 99
Delta R.T. -0.006 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

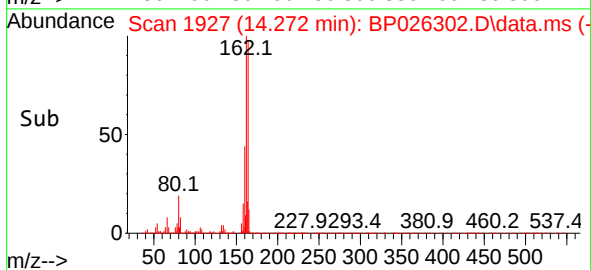
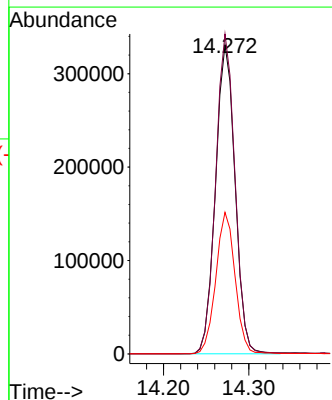
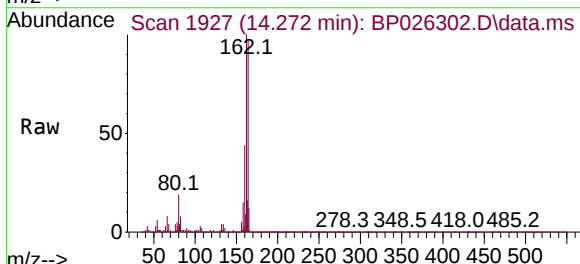
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

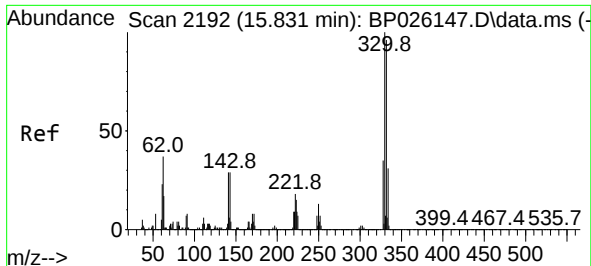
Tgt Ion: 82 Resp: 697870
Ion Ratio Lower Upper
82 100
128 48.1 37.4 56.0
54 52.3 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.272 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

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

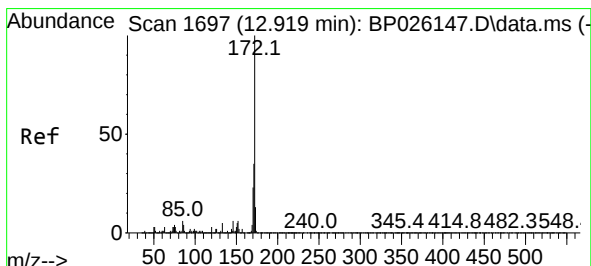
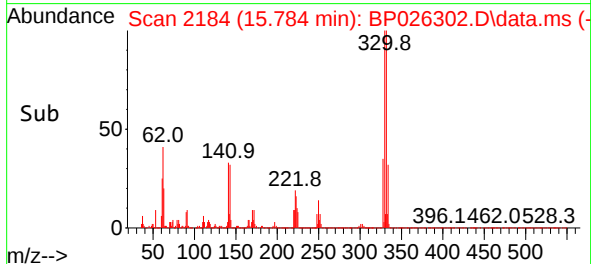
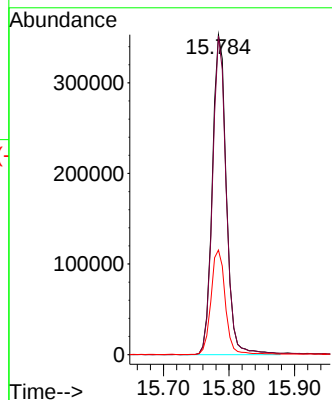
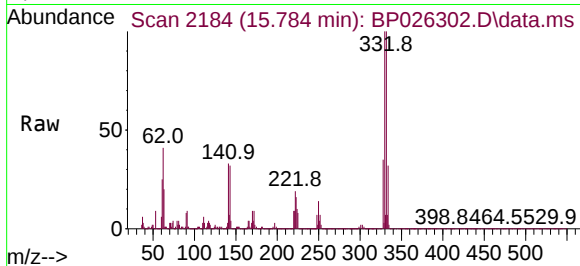




#42
2,4,6-Tribromophenol
Concen: 76.661 ng
RT: 15.784 min Scan# 2192
Delta R.T. -0.024 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

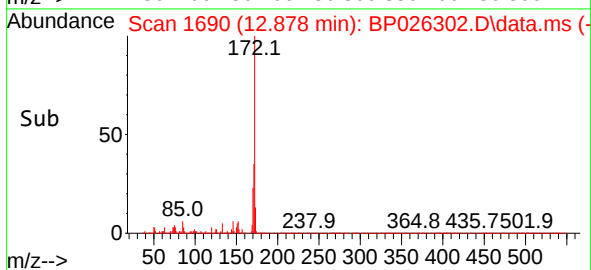
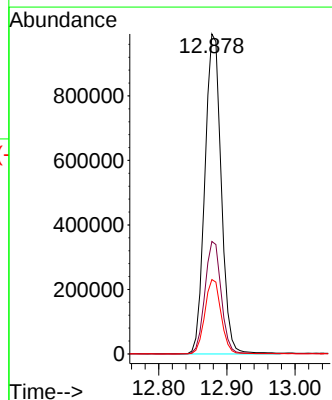
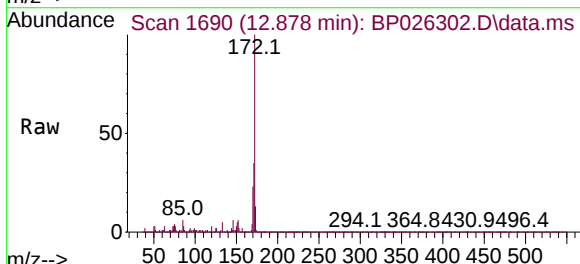
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

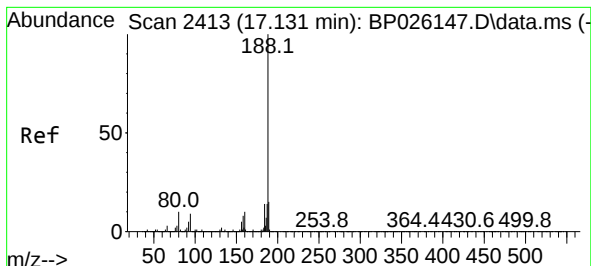
Tgt Ion: 330 Resp: 525862
Ion Ratio Lower Upper
330 100
332 98.0 78.0 117.0
141 33.3 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 45.537 ng
RT: 12.878 min Scan# 1690
Delta R.T. -0.024 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

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





#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 :

BNA_P

ClientSampleId :

B127(8-10)120925

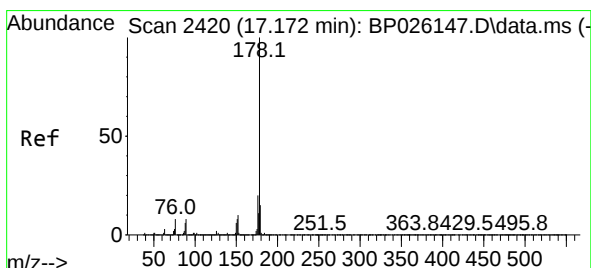
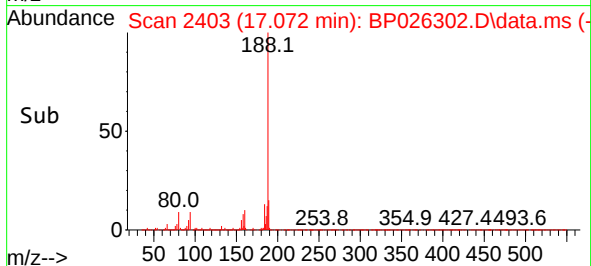
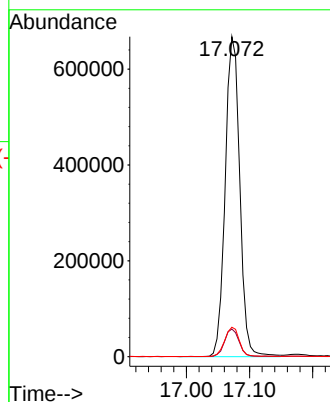
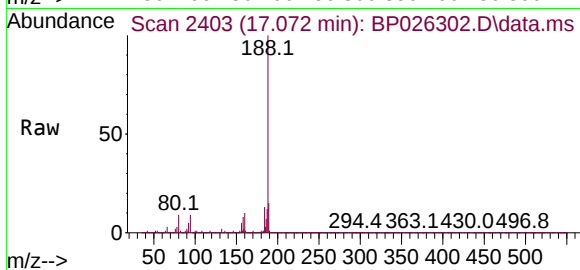
Tgt Ion:188 Resp: 1067730

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

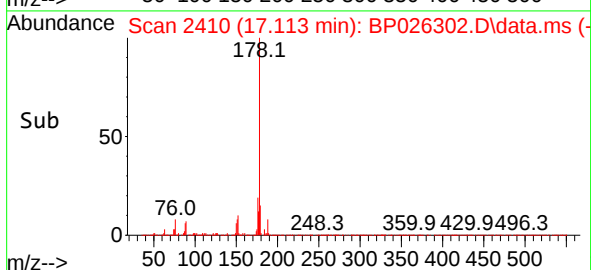
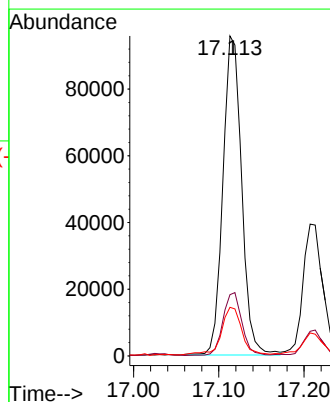
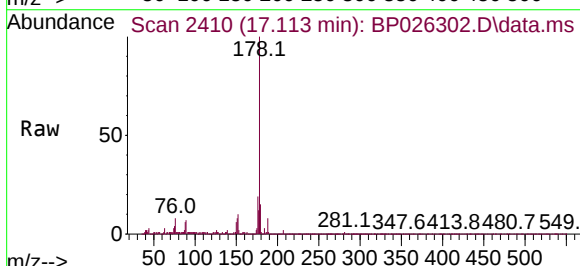
Tgt Ion:178 Resp: 146416

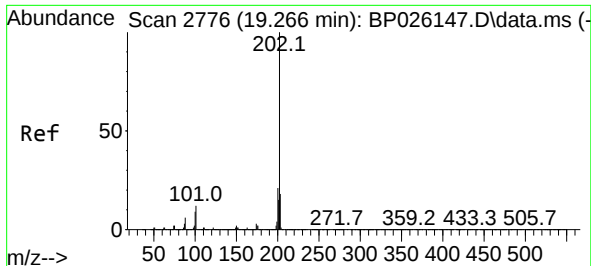
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.2 12.4 18.6

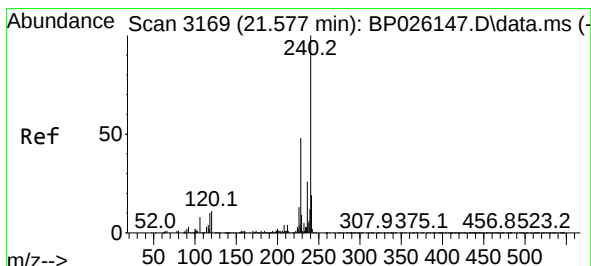
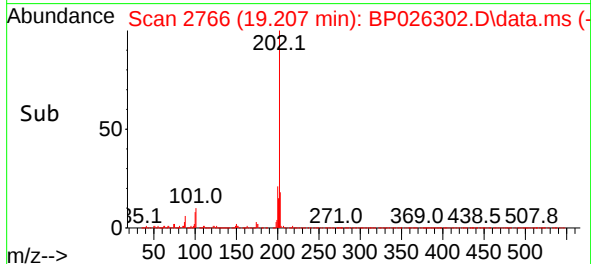
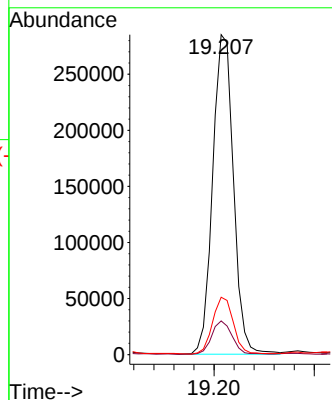
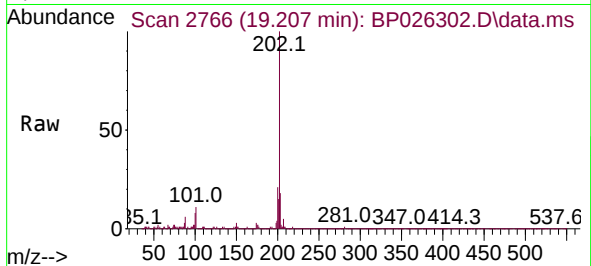




#75
Fluoranthene
Concen: 5.592 ng
RT: 19.207 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

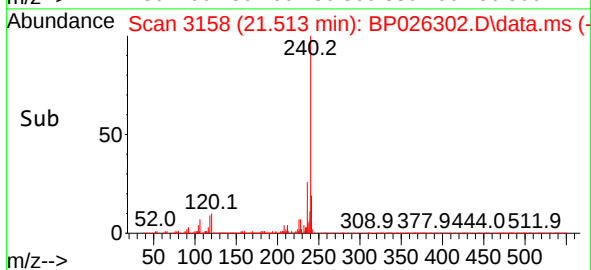
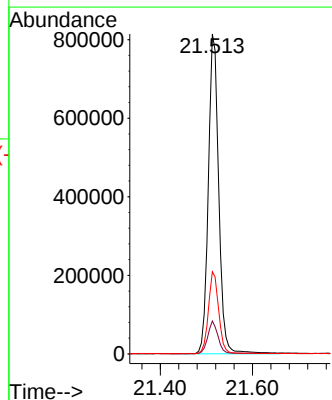
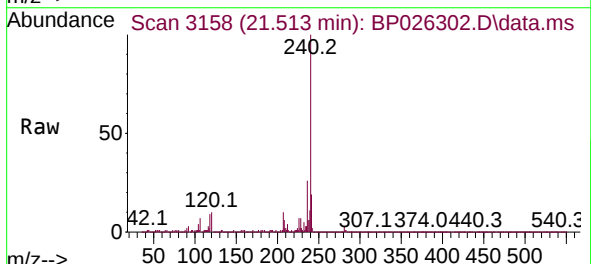
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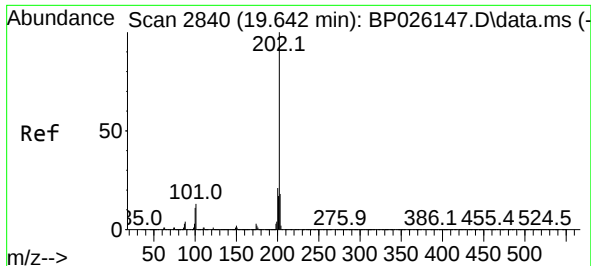
Tgt Ion:202 Resp: 409655
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.2
203 17.9 0.0 37.7



#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

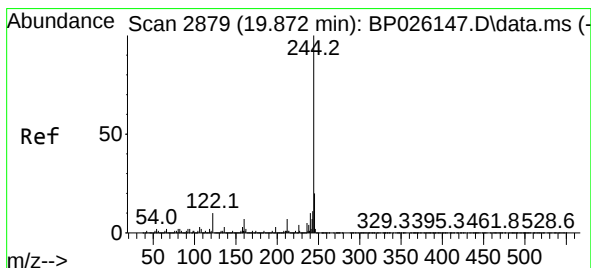
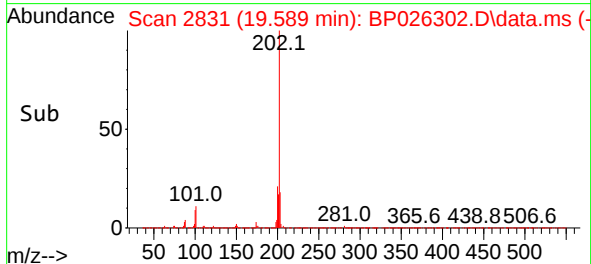
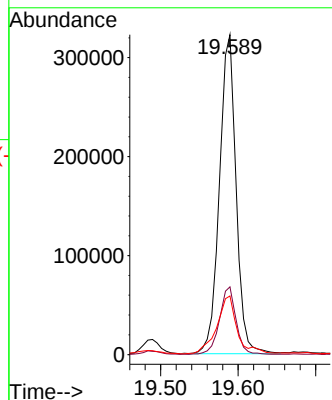
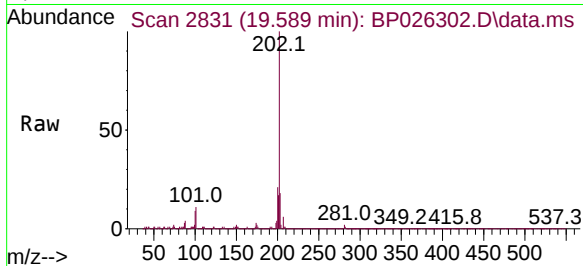




#78
Pyrene
Concen: 5.828 ng
RT: 19.589 min Scan# 2831
Delta R.T. -0.024 min
Lab File: BP026302.D
Acq: 11 Dec 2025 21:22

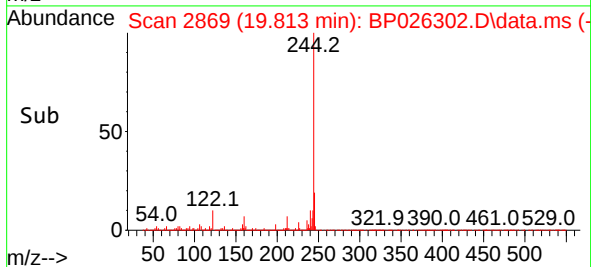
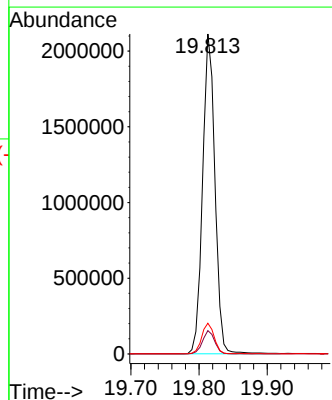
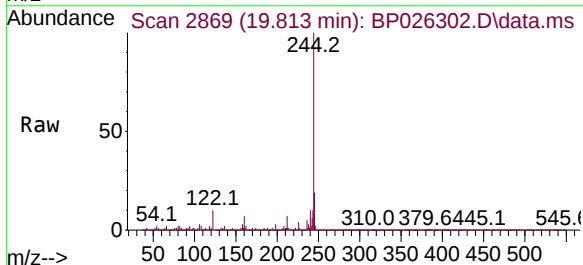
Instrument :
BNA_P
ClientSampleId :
B127(8-10)120925

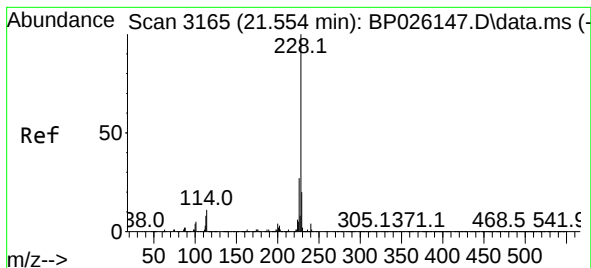
Tgt Ion:202 Resp: 482313
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 18.3 13.8 20.8



#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

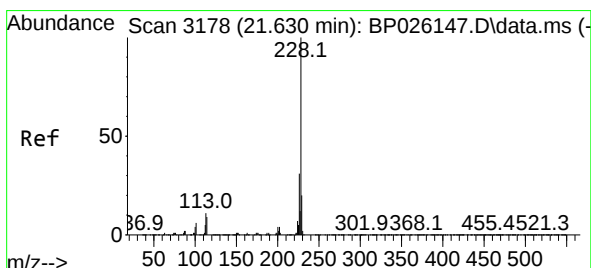
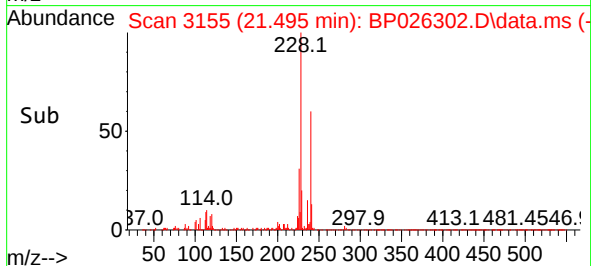
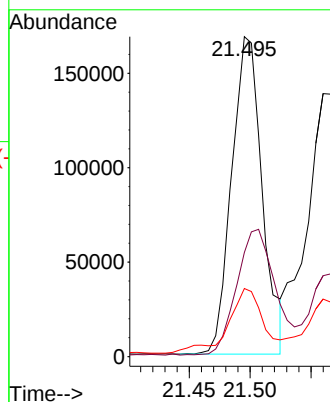
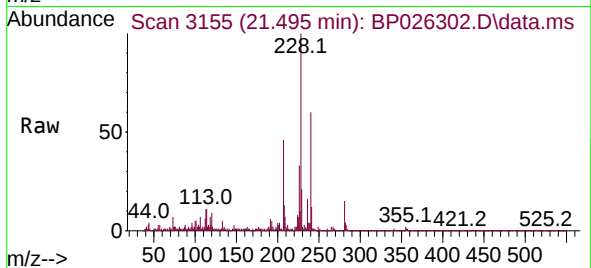
Tgt Ion:228 Resp: 292926

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

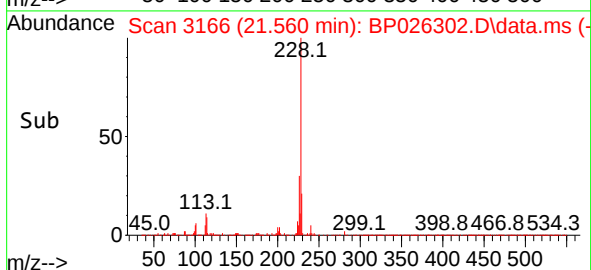
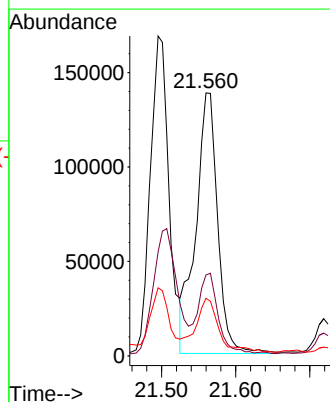
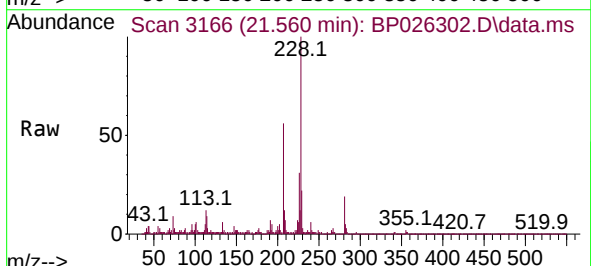
Tgt Ion:228 Resp: 284565

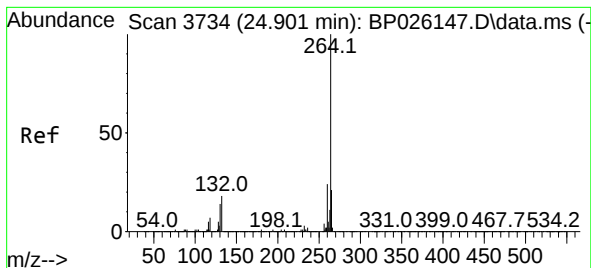
Ion Ratio Lower Upper

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

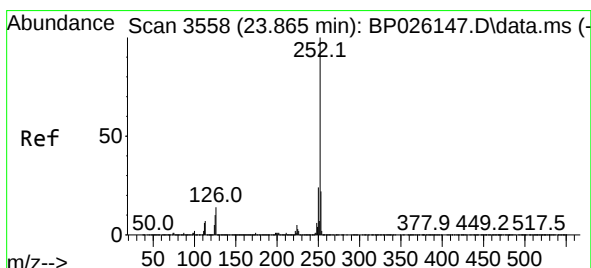
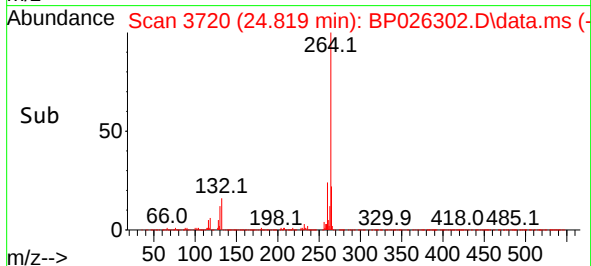
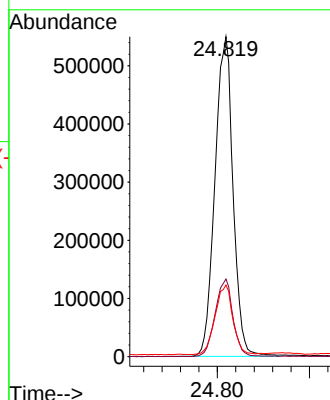
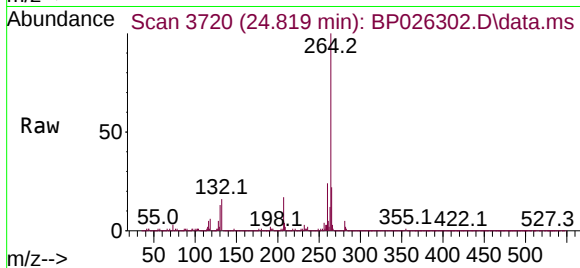
Tgt Ion:264 Resp: 1499824

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

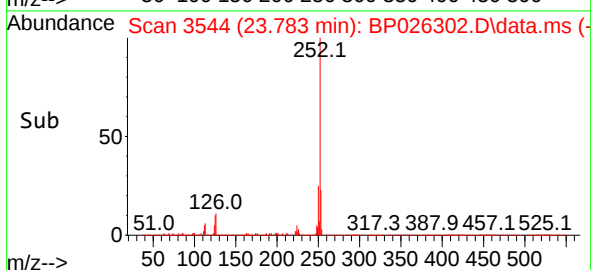
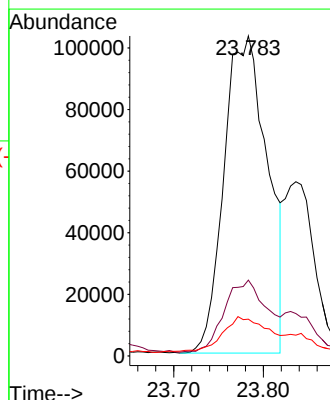
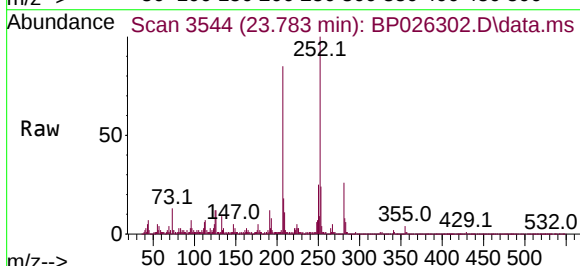
Tgt Ion:252 Resp: 346921

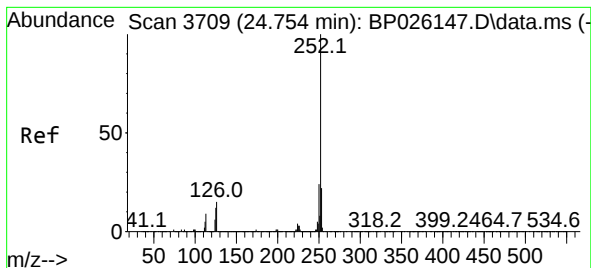
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 11.5 8.2 12.4





#90

Benzo(a)pyrene

Concen: 4.015 ng

RT: 24.660 min Scan# 30

Delta R.T. -0.024 min

Lab File: BP026302.D

Acq: 11 Dec 2025 21:22

Instrument :

BNA_P

ClientSampleId :

B127(8-10)120925

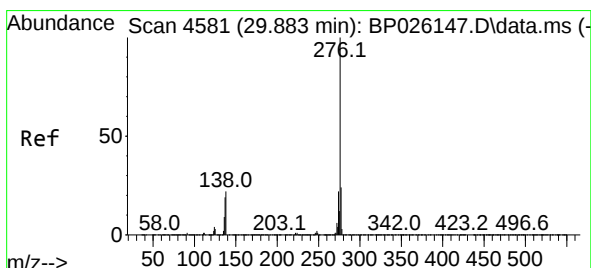
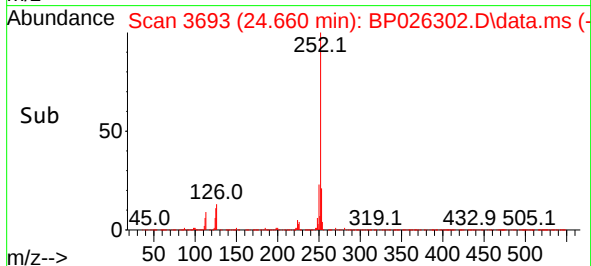
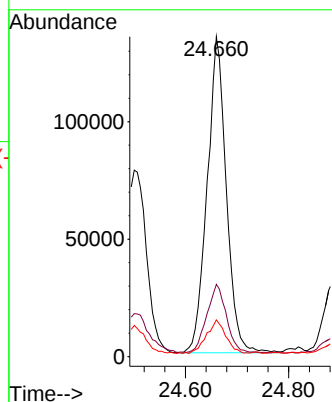
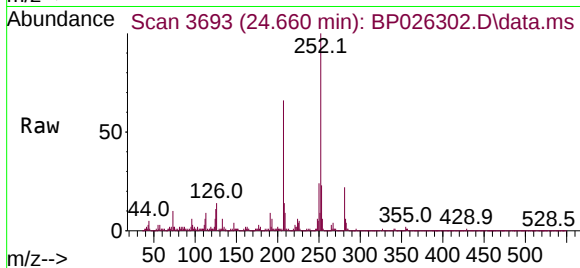
Tgt Ion:252 Resp: 347063

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

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

