

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120525\
 Data File : BP026246.D
 Acq On : 05 Dec 2025 20:14
 Operator : RC/JU
 Sample : Q3781-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 05 21:59:21 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)

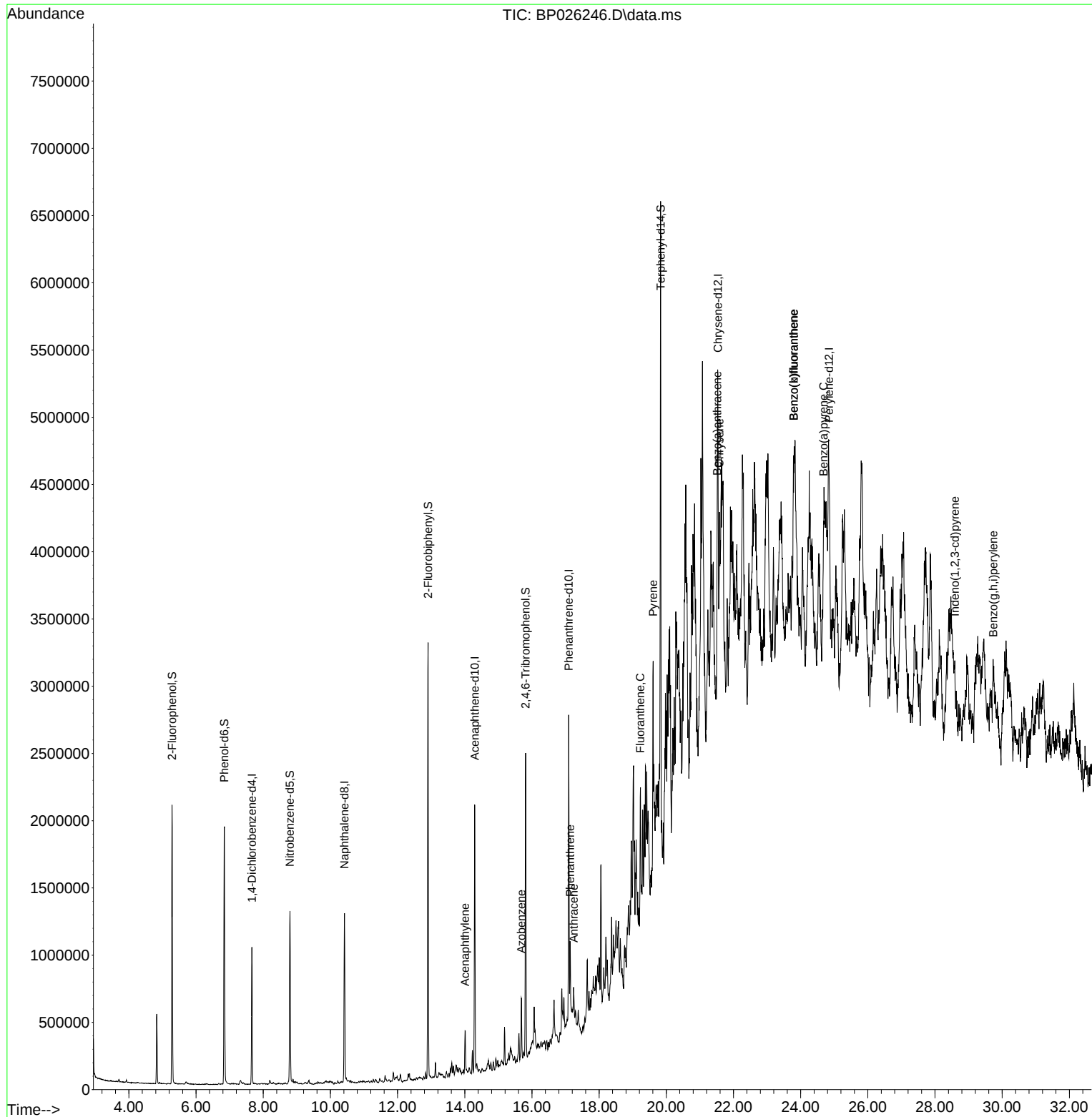
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	283730	20.000	ng	0.00
21) Naphthalene-d8	10.419	136	1097783	20.000	ng	0.00
39) Acenaphthene-d10	14.295	164	668911	20.000	ng	0.00
64) Phenanthrene-d10	17.095	188	1289518	20.000	ng	0.00
76) Chrysene-d12	21.536	240	1321960	20.000	ng	0.00
86) Perylene-d12	24.842	264	1575546	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	961533	54.483	ng	0.00
7) Phenol-d6	6.843	99	1194351	53.613	ng	0.00
23) Nitrobenzene-d5	8.796	82	714903	37.068	ng	0.00
42) 2,4,6-Tribromophenol	15.813	330	476420	54.767	ng	0.00
45) 2-Fluorobiphenyl	12.907	172	1699355	36.936	ng	0.00
79) Terphenyl-d14	19.830	244	2253796	34.847	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.007	152	274816	4.208	ng	99
63) Azobenzene	15.684	77	113805	2.707	ng	# 1
71) Phenanthrene	17.136	178	359226	4.941	ng	99
72) Anthracene	17.242	178	215394	2.909	ng	98
75) Fluoranthene	19.225	202	624412	7.058	ng	99
78) Pyrene	19.607	202	957181	11.111	ng	98
81) Benzo(a)anthracene	21.513	228	435906	4.807	ng	# 82
83) Chrysene	21.583	228	502672	5.854	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.589	276	302371	2.539	ng	# 92
88) Benzo(b)fluoranthene	23.795	252	490236	5.120	ng	# 53
89) Benzo(k)fluoranthene	23.795	252	490236	5.118	ng	# 53
90) Benzo(a)pyrene	24.683	252	449123	4.946	ng	# 75
92) Benzo(g,h,i)perylene	29.736	276	409444	4.217	ng	# 90

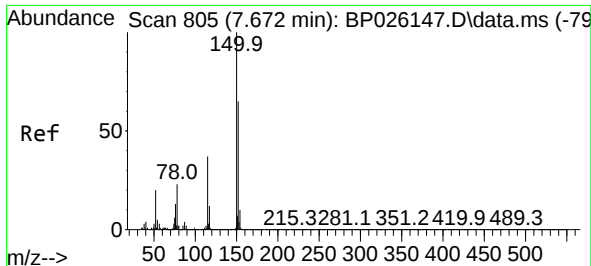
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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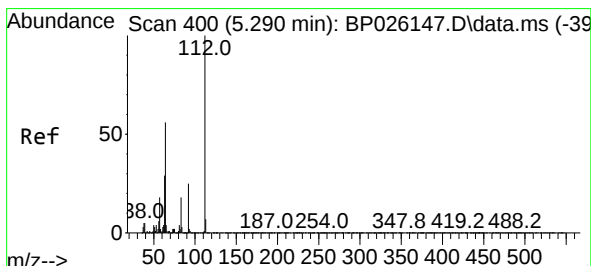
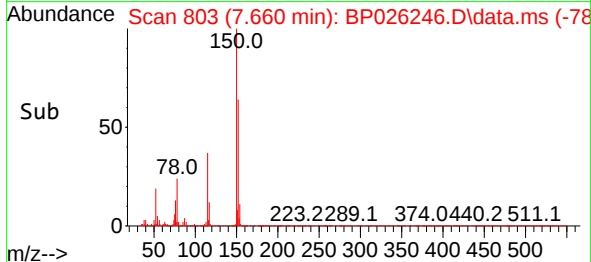
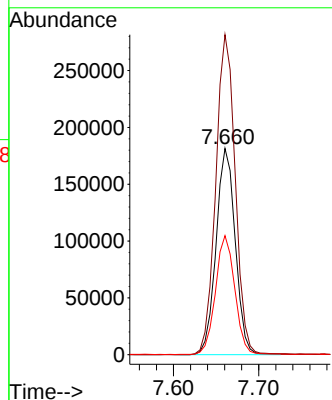
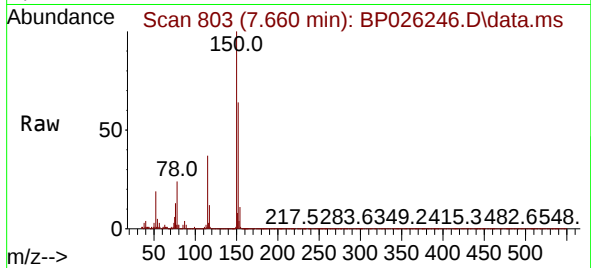




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.660 min Scan# 80
Delta R.T. 0.005 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

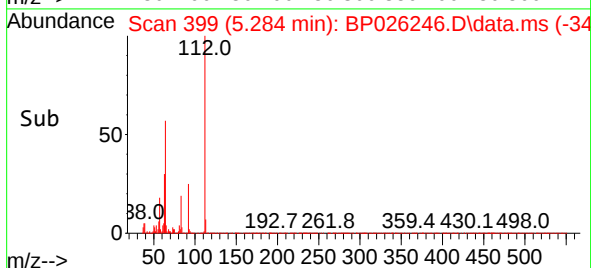
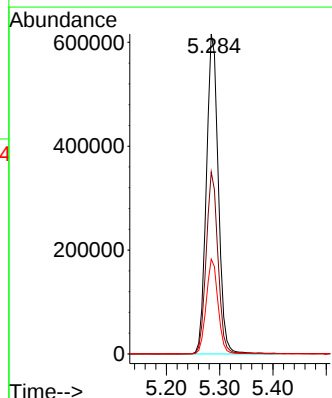
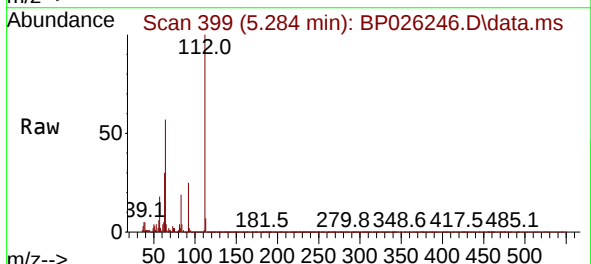
Instrument :
BNA_P
ClientSampleId :

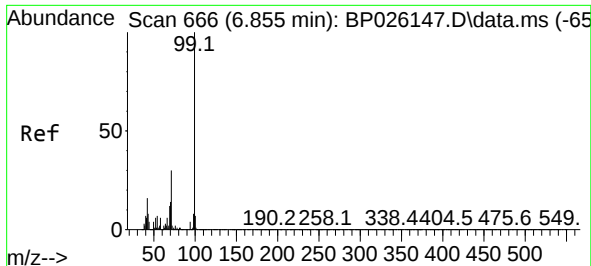
Tgt Ion:152 Resp: 283730
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.6
115 57.7 46.3 69.5



#5
2-Fluorophenol
Concen: 54.483 ng
RT: 5.284 min Scan# 399
Delta R.T. 0.006 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

Tgt Ion:112 Resp: 961533
Ion Ratio Lower Upper
112 100
64 56.9 45.8 68.6
63 29.7 23.5 35.3

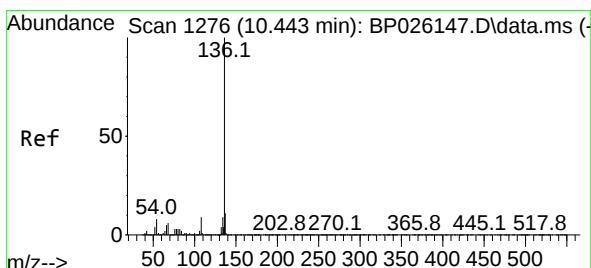
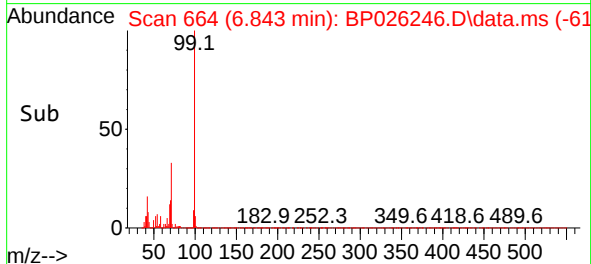
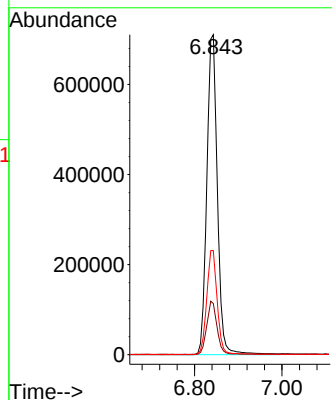
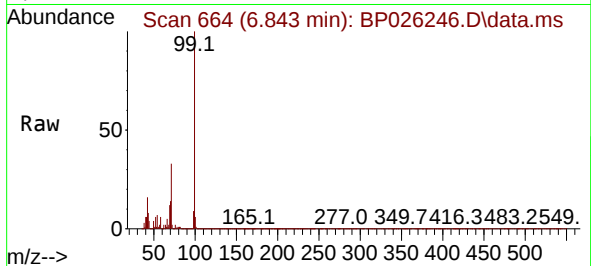




#7
Phenol-d6
Concen: 53.613 ng
RT: 6.843 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

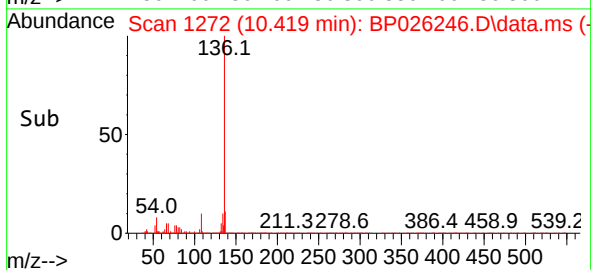
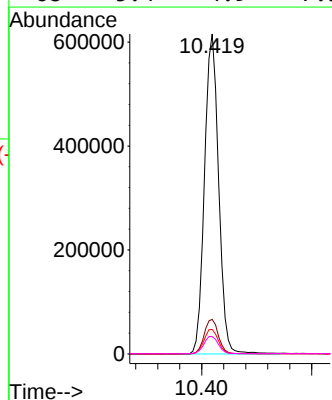
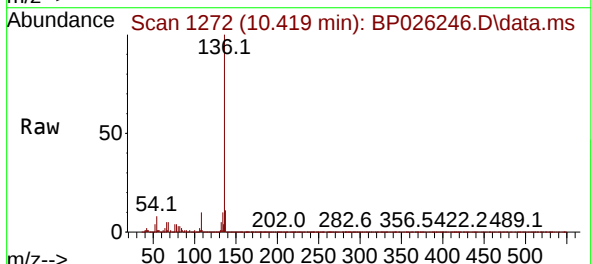
Instrument :
BNA_P
ClientSampleId :

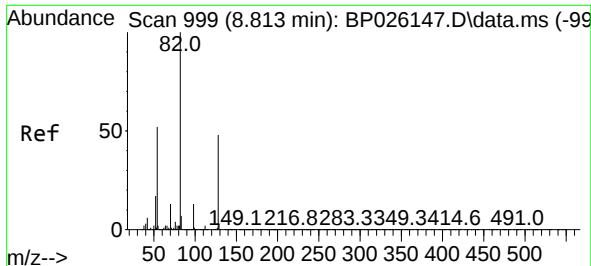
Tgt Ion: 99 Resp: 1194351
Ion Ratio Lower Upper
99 100
42 16.0 12.9 19.3
71 32.6 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

Tgt Ion:136 Resp: 1097783
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 6.4 9.6
68 5.4 4.9 7.3

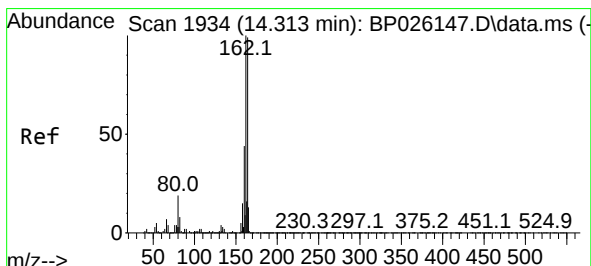
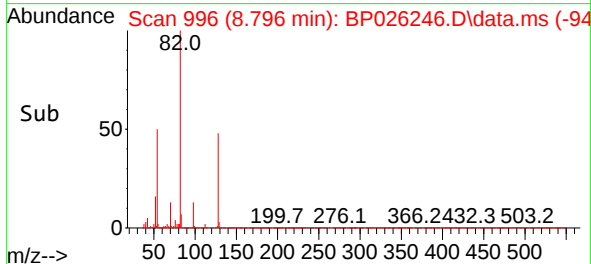
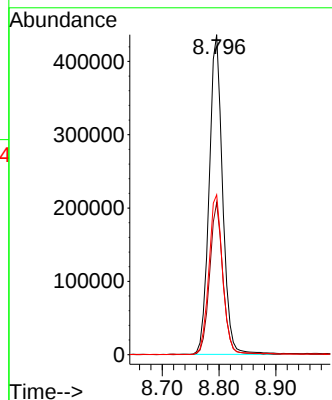
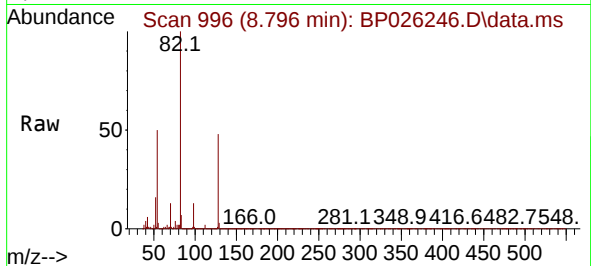




#23
Nitrobenzene-d5
Concen: 37.068 ng
RT: 8.796 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

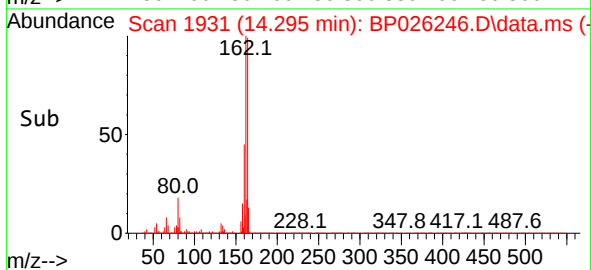
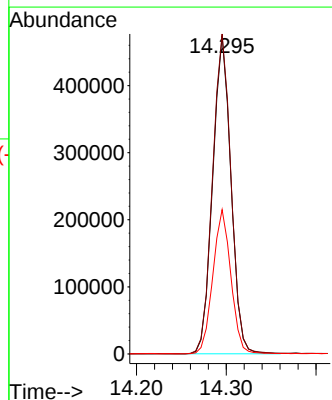
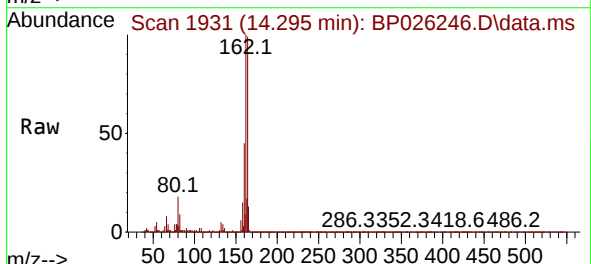
Instrument :
BNA_P
ClientSampleId :

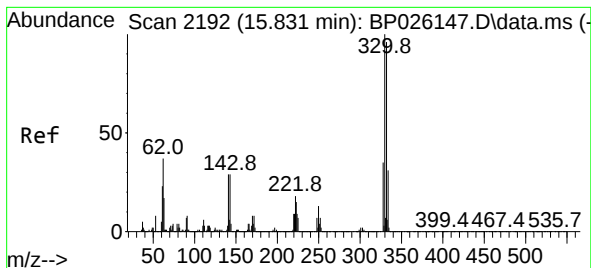
Tgt Ion: 82 Resp: 714903
Ion Ratio Lower Upper
82 100
128 47.5 37.4 56.0
54 49.9 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.295 min Scan# 1931
Delta R.T. 0.006 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

Tgt Ion:164 Resp: 668911
Ion Ratio Lower Upper
164 100
162 100.5 80.3 120.5
160 45.3 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 54.767 ng

RT: 15.813 min Scan# 21

Delta R.T. 0.006 min

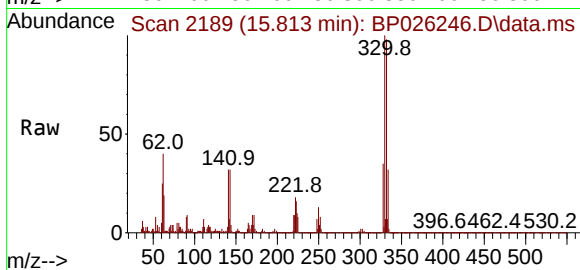
Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :



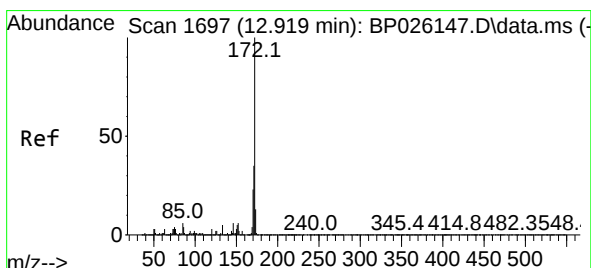
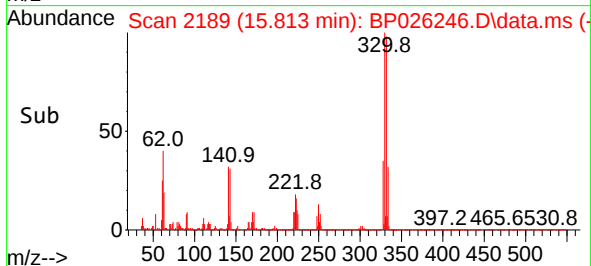
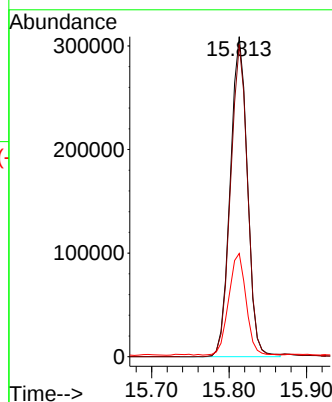
Tgt Ion:330 Resp: 476420

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

141 32.0 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 36.936 ng

RT: 12.907 min Scan# 1695

Delta R.T. 0.006 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

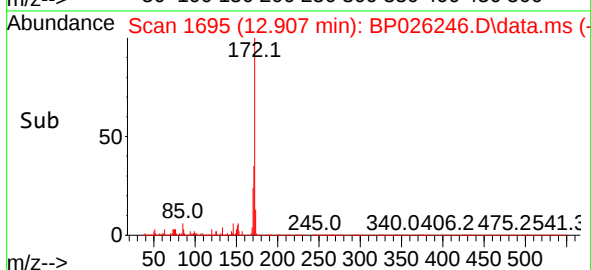
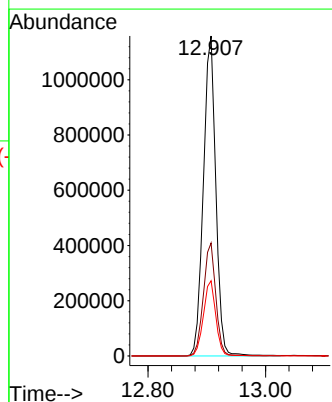
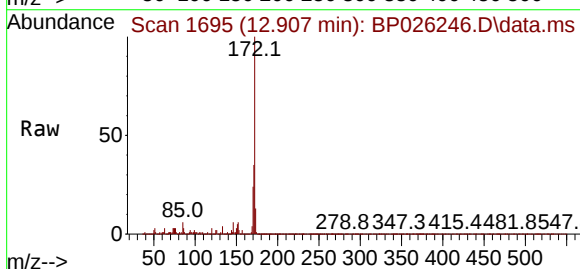
Tgt Ion:172 Resp: 1699355

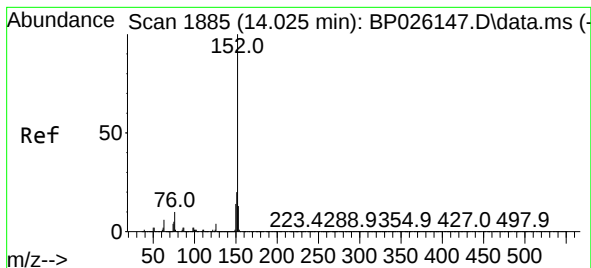
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.5 18.7 28.1





#49

Acenaphthylene

Concen: 4.208 ng

RT: 14.007 min Scan# 1882

Delta R.T. 0.006 min

Lab File: BP026246.D

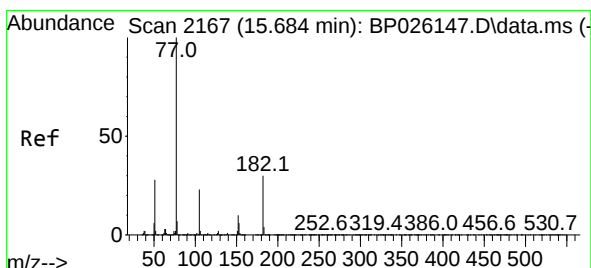
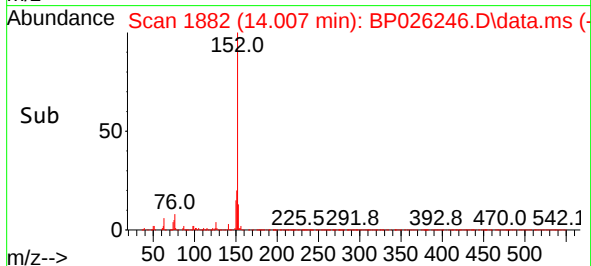
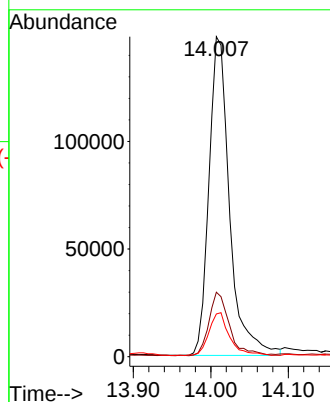
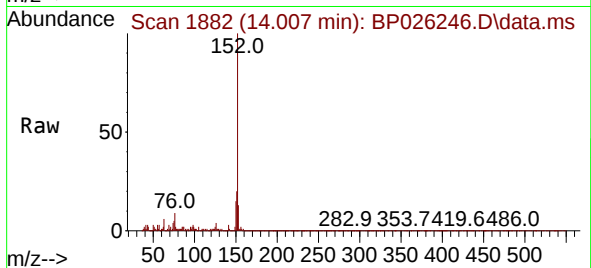
Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	152	Resp:	274816
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.3	10.6	16.0



#63

Azobenzene

Concen: 2.707 ng

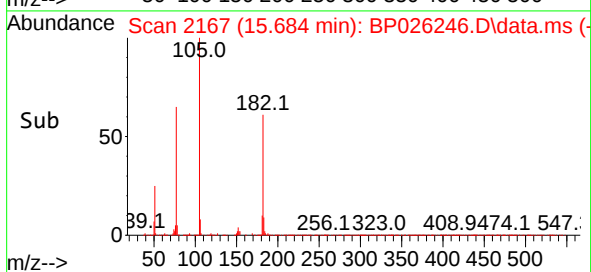
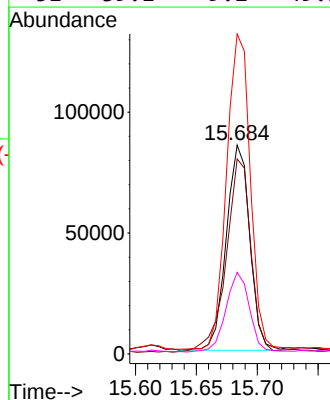
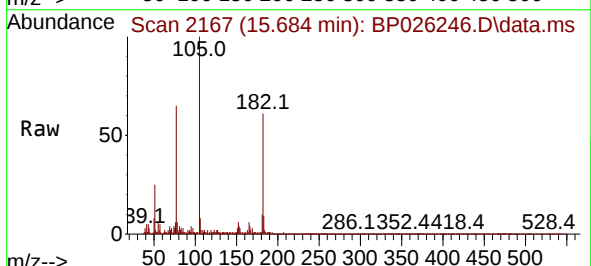
RT: 15.684 min Scan# 2167

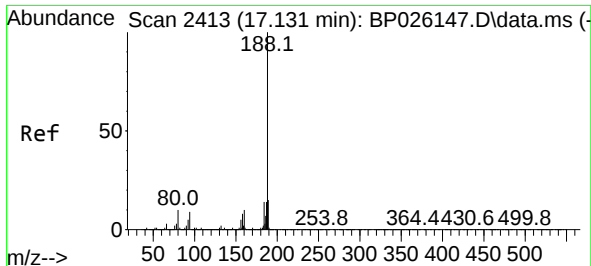
Delta R.T. 0.029 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Tgt Ion:	77	Resp:	113805
Ion	Ratio	Lower	Upper
77	100		
182	93.4	8.8	48.8#
105	153.2	2.6	42.6#
51	39.1	9.2	49.2

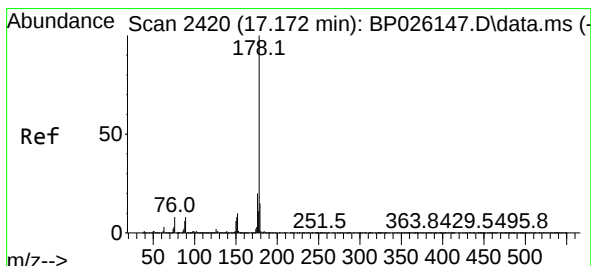
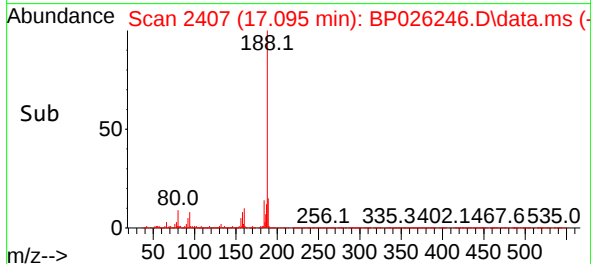
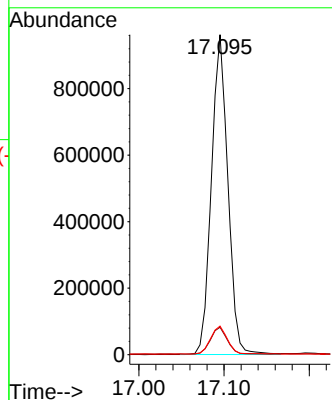
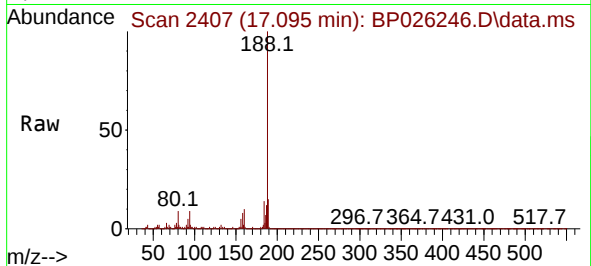




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.095 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

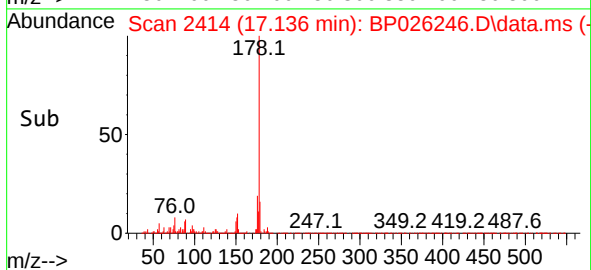
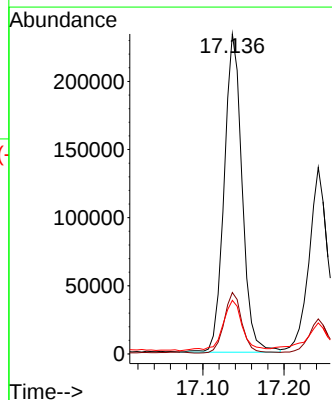
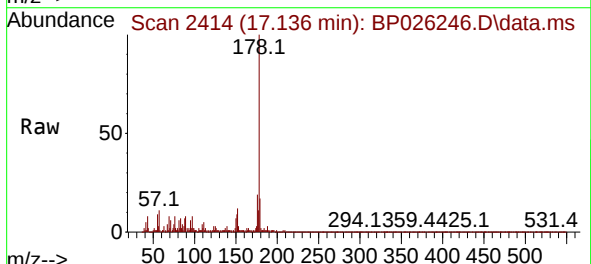
Instrument :
BNA_P
ClientSampleId :

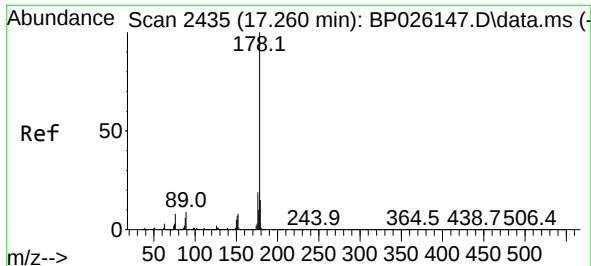
Tgt Ion:188 Resp: 1289518
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.0 8.2 12.2



#71
Phenanthrene
Concen: 4.941 ng
RT: 17.136 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BP026246.D
Acq: 05 Dec 2025 20:14

Tgt Ion:178 Resp: 359226
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 16.7 12.4 18.6

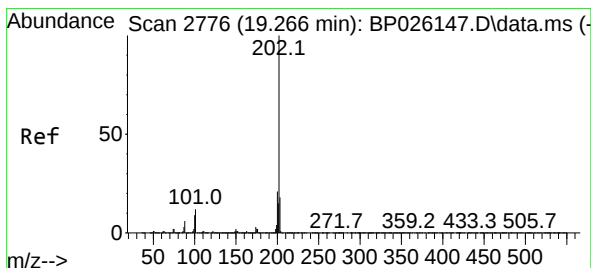
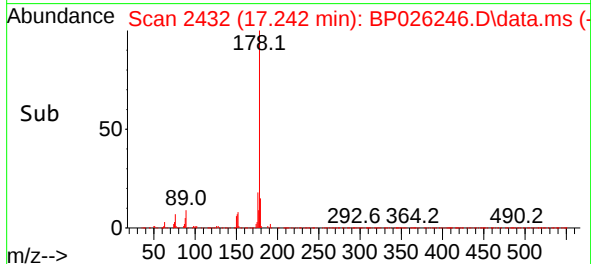
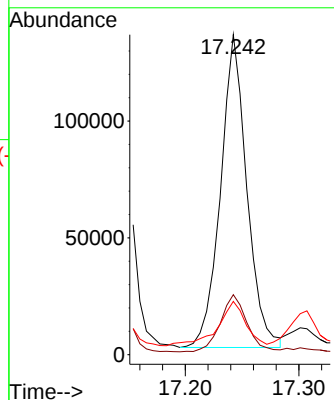
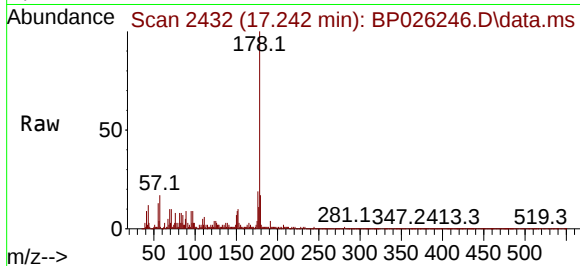




#72
 Anthracene
 Concen: 2.909 ng
 RT: 17.242 min Scan# 2435
 Delta R.T. 0.012 min
 Lab File: BP026246.D
 Acq: 05 Dec 2025 20:14

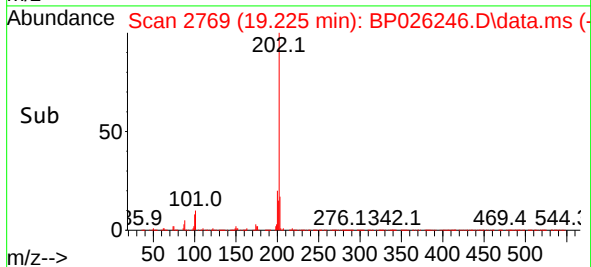
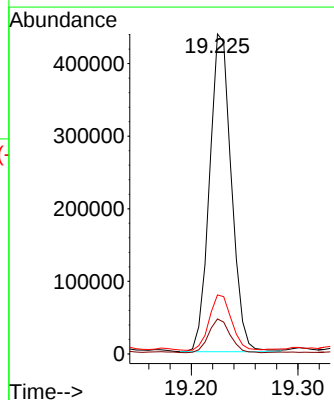
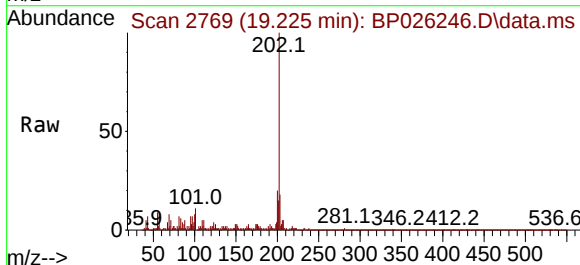
Instrument :
 BNA_P
 ClientSampleId :

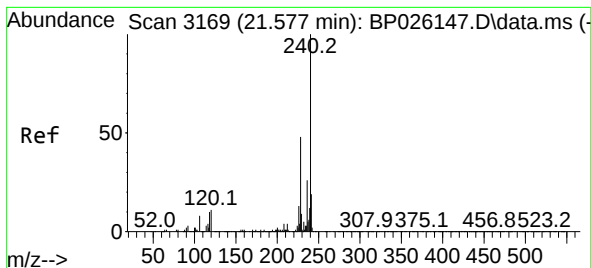
Tgt Ion:178 Resp: 215394
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 16.7 12.2 18.4



#75
 Fluoranthene
 Concen: 7.058 ng
 RT: 19.225 min Scan# 2769
 Delta R.T. -0.012 min
 Lab File: BP026246.D
 Acq: 05 Dec 2025 20:14

Tgt Ion:202 Resp: 624412
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.2
 203 18.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.000 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :

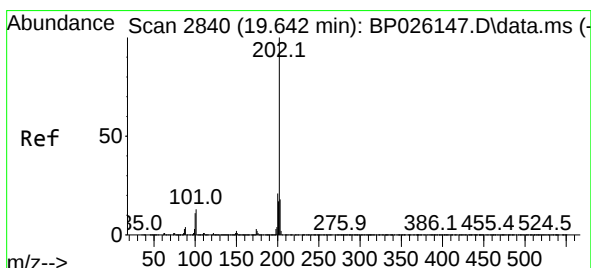
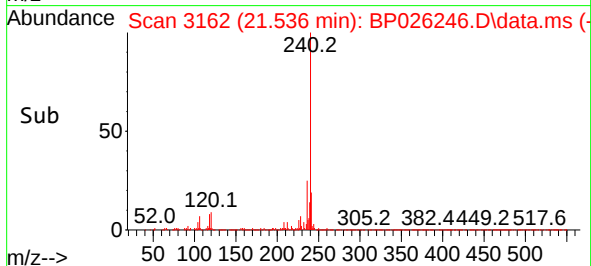
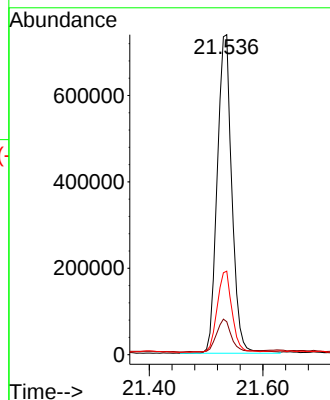
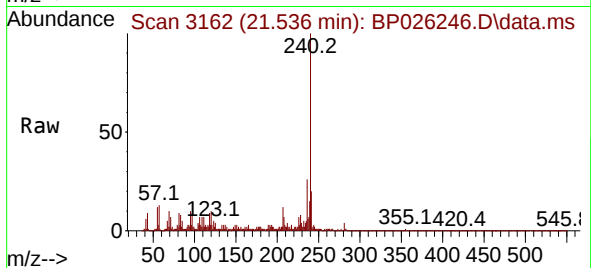
Tgt Ion:240 Resp: 1321960

Ion Ratio Lower Upper

240 100

120 10.3 9.0 13.4

236 26.1 20.4 30.6



#78

Pyrene

Concen: 11.111 ng

RT: 19.607 min Scan# 2834

Delta R.T. -0.006 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

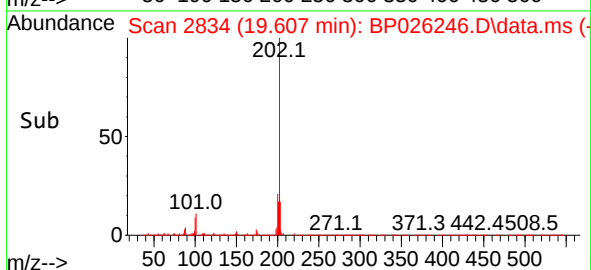
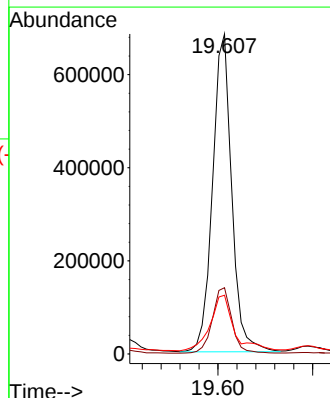
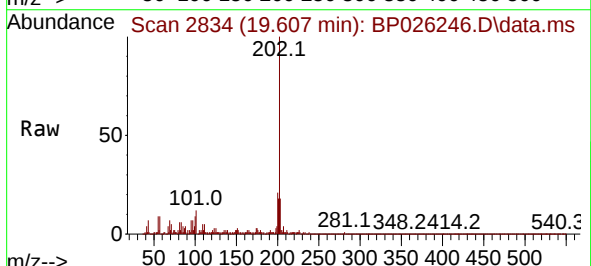
Tgt Ion:202 Resp: 957181

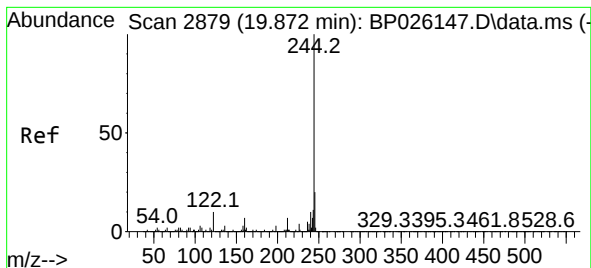
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 18.3 13.8 20.8





#79

Terphenyl-d14

Concen: 34.847 ng

RT: 19.830 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :

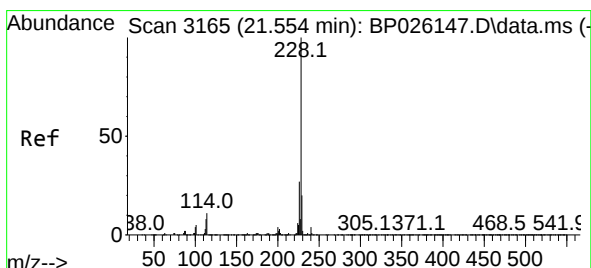
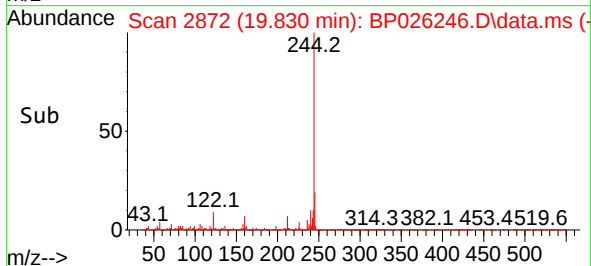
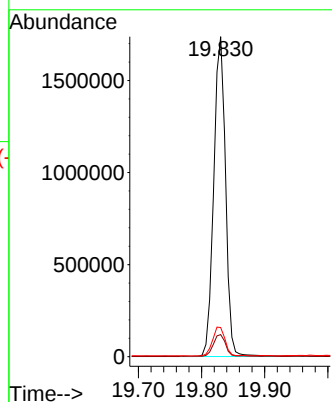
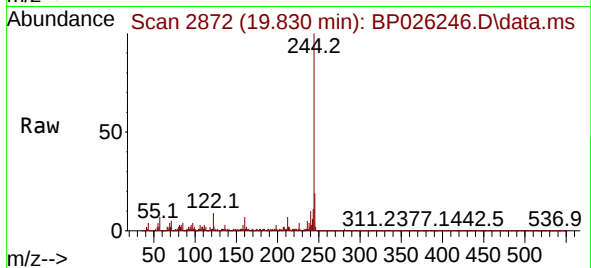
Tgt Ion:244 Resp: 2253796

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 9.1 8.2 12.2



#81

Benzo(a)anthracene

Concen: 4.807 ng

RT: 21.513 min Scan# 3158

Delta R.T. -0.006 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

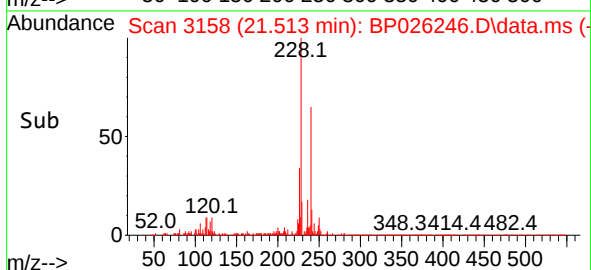
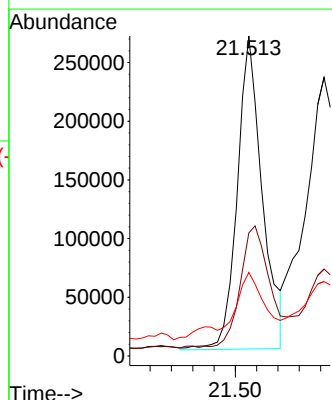
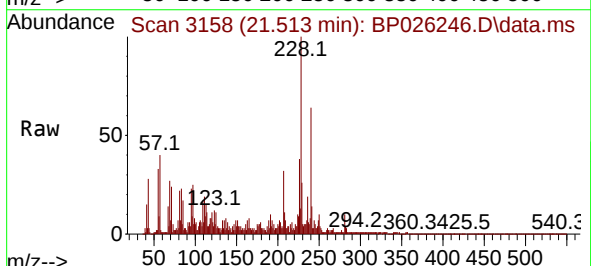
Tgt Ion:228 Resp: 435906

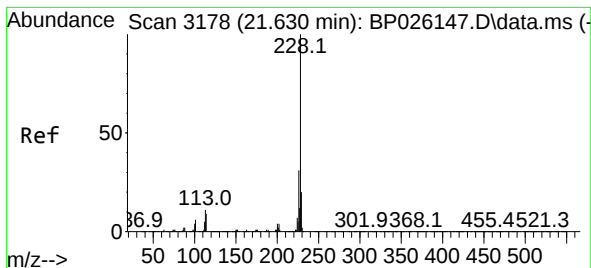
Ion Ratio Lower Upper

228 100

226 38.5 21.8 32.8#

229 26.1 15.9 23.9#





#83

Chrysene

Concen: 5.854 ng

RT: 21.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :

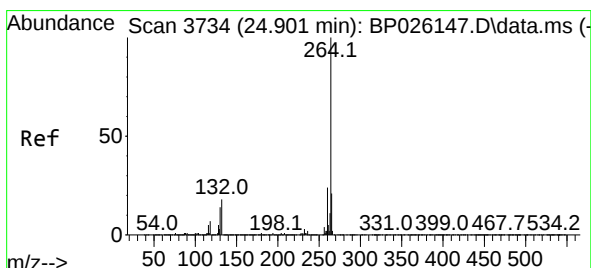
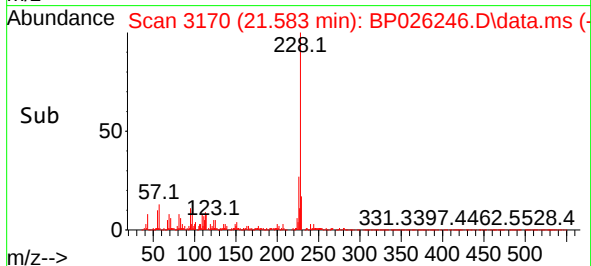
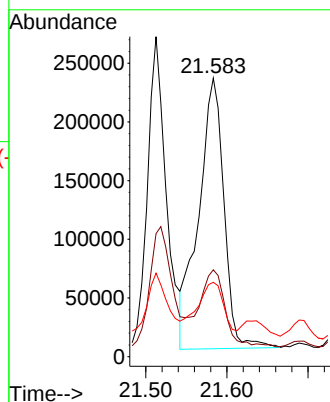
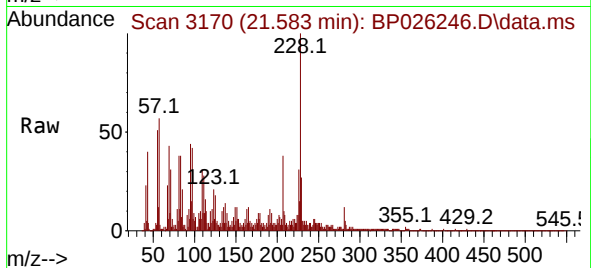
Tgt Ion:228 Resp: 502672

Ion Ratio Lower Upper

228 100

226 31.2 23.9 35.9

229 26.7 15.9 23.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.842 min Scan# 3724

Delta R.T. 0.017 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

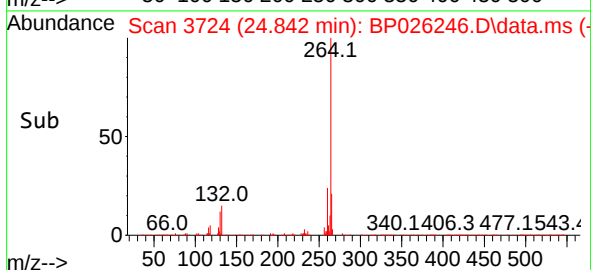
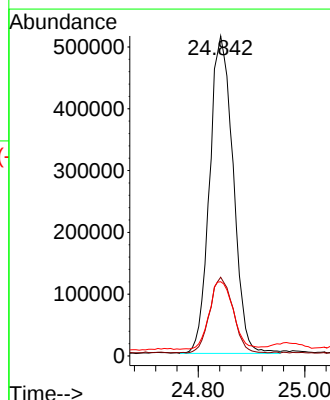
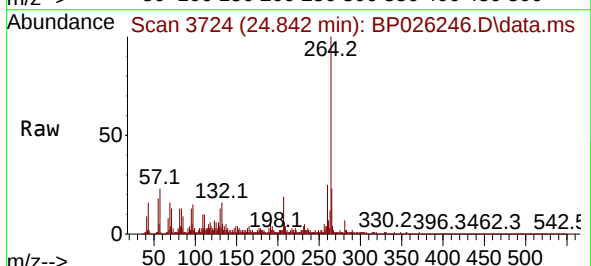
Tgt Ion:264 Resp: 1575546

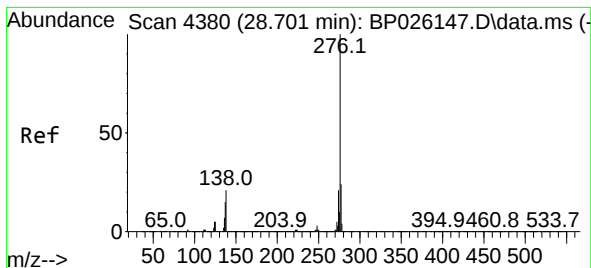
Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 23.2 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.539 ng

RT: 28.589 min Scan# 41

Delta R.T. 0.006 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :

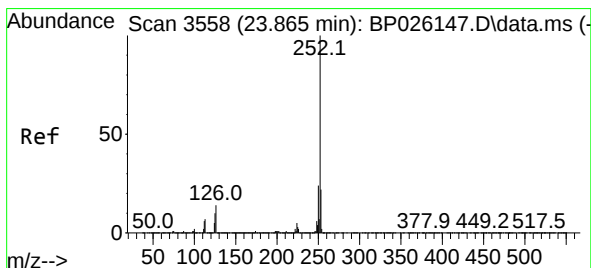
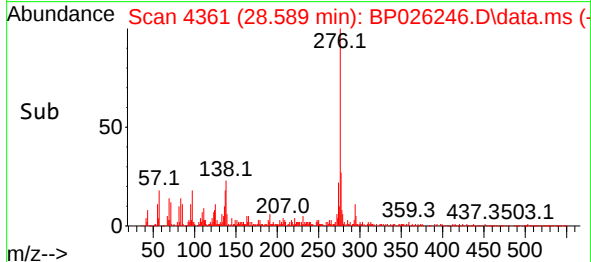
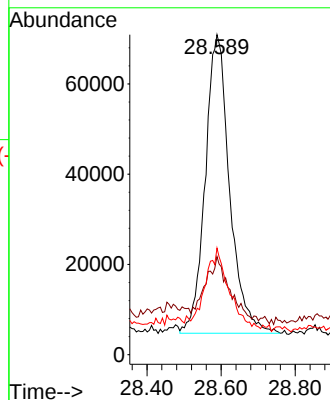
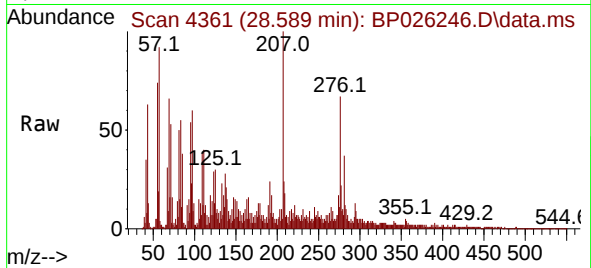
Tgt Ion:276 Resp: 302371

Ion Ratio Lower Upper

276 100

138 19.7 13.8 20.8

277 25.7 16.7 25.1#



#88

Benzo(b)fluoranthene

Concen: 5.120 ng

RT: 23.795 min Scan# 3546

Delta R.T. -0.000 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

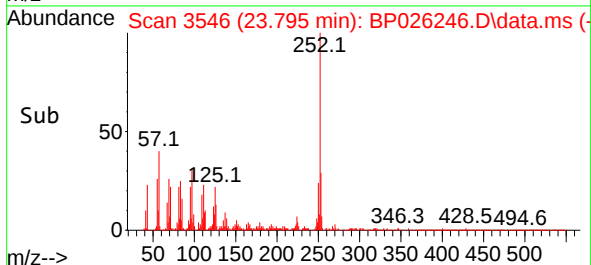
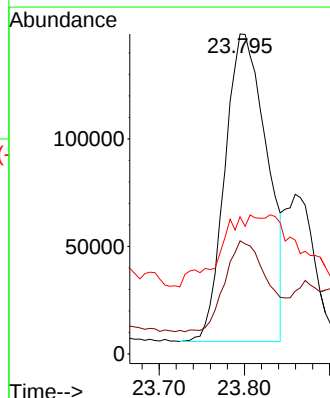
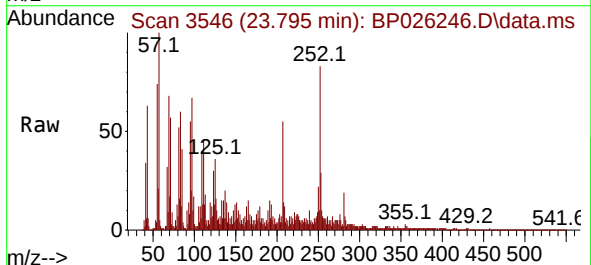
Tgt Ion:252 Resp: 490236

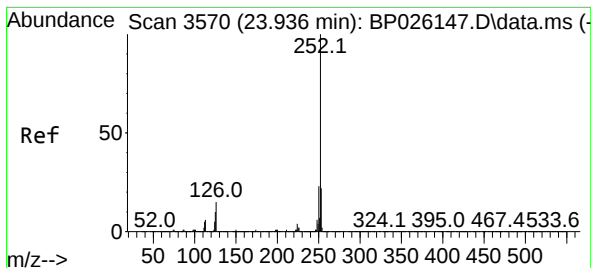
Ion Ratio Lower Upper

252 100

253 35.4 17.6 26.4#

125 42.9 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 5.118 ng

RT: 23.795 min Scan# 3

Delta R.T. -0.071 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

Instrument :

BNA_P

ClientSampleId :

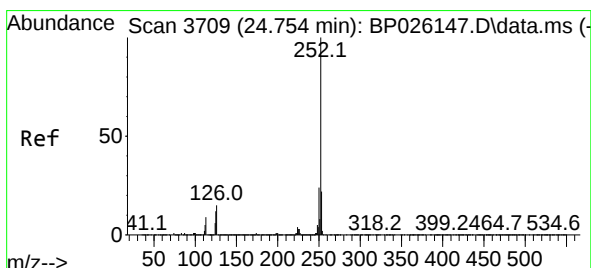
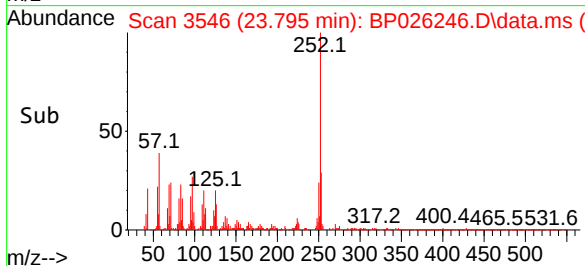
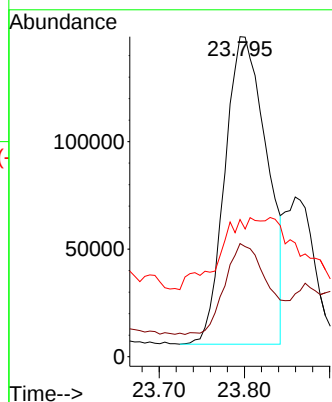
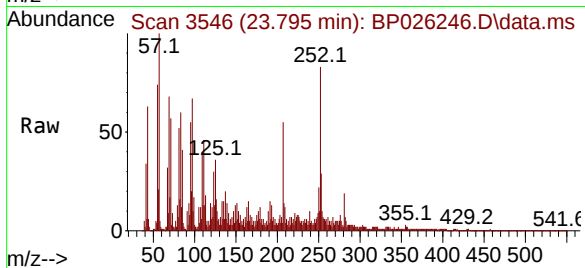
Tgt Ion:252 Resp: 490236

Ion Ratio Lower Upper

252 100

253 35.4 17.6 26.4#

125 42.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 4.946 ng

RT: 24.683 min Scan# 3697

Delta R.T. -0.000 min

Lab File: BP026246.D

Acq: 05 Dec 2025 20:14

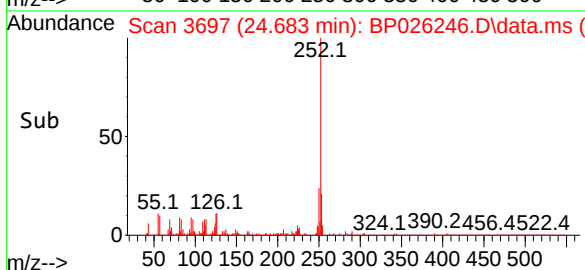
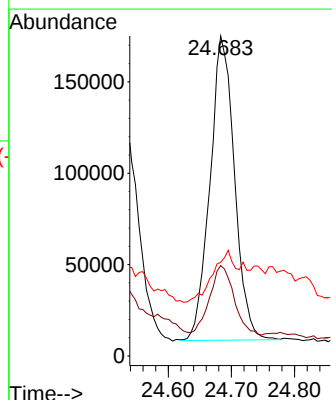
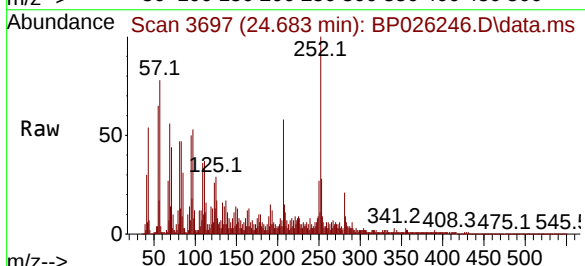
Tgt Ion:252 Resp: 449123

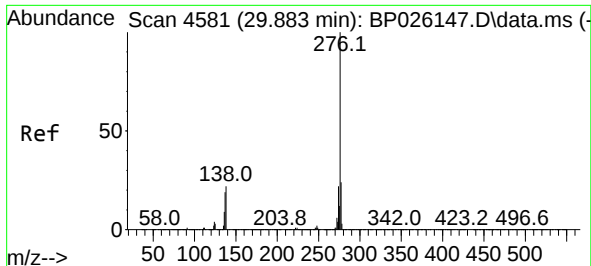
Ion Ratio Lower Upper

252 100

253 28.3 17.4 26.2#

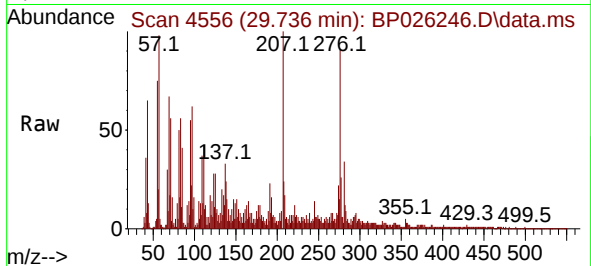
125 29.2 9.0 13.6#





#92
 Benzo(g,h,i)perylene
 Concen: 4.217 ng
 RT: 29.736 min Scan# 4
 Delta R.T. -0.012 min
 Lab File: BP026246.D
 Acq: 05 Dec 2025 20:14

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion: 276 Resp: 409444
 Ion Ratio Lower Upper
 276 100
 277 28.3 18.8 28.2#
 138 27.0 17.8 26.6#

