

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121025\
 Data File : BP026283.D
 Acq On : 10 Dec 2025 19:56
 Operator : RC/JU
 Sample : Q3826-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 11 03:07:55 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)

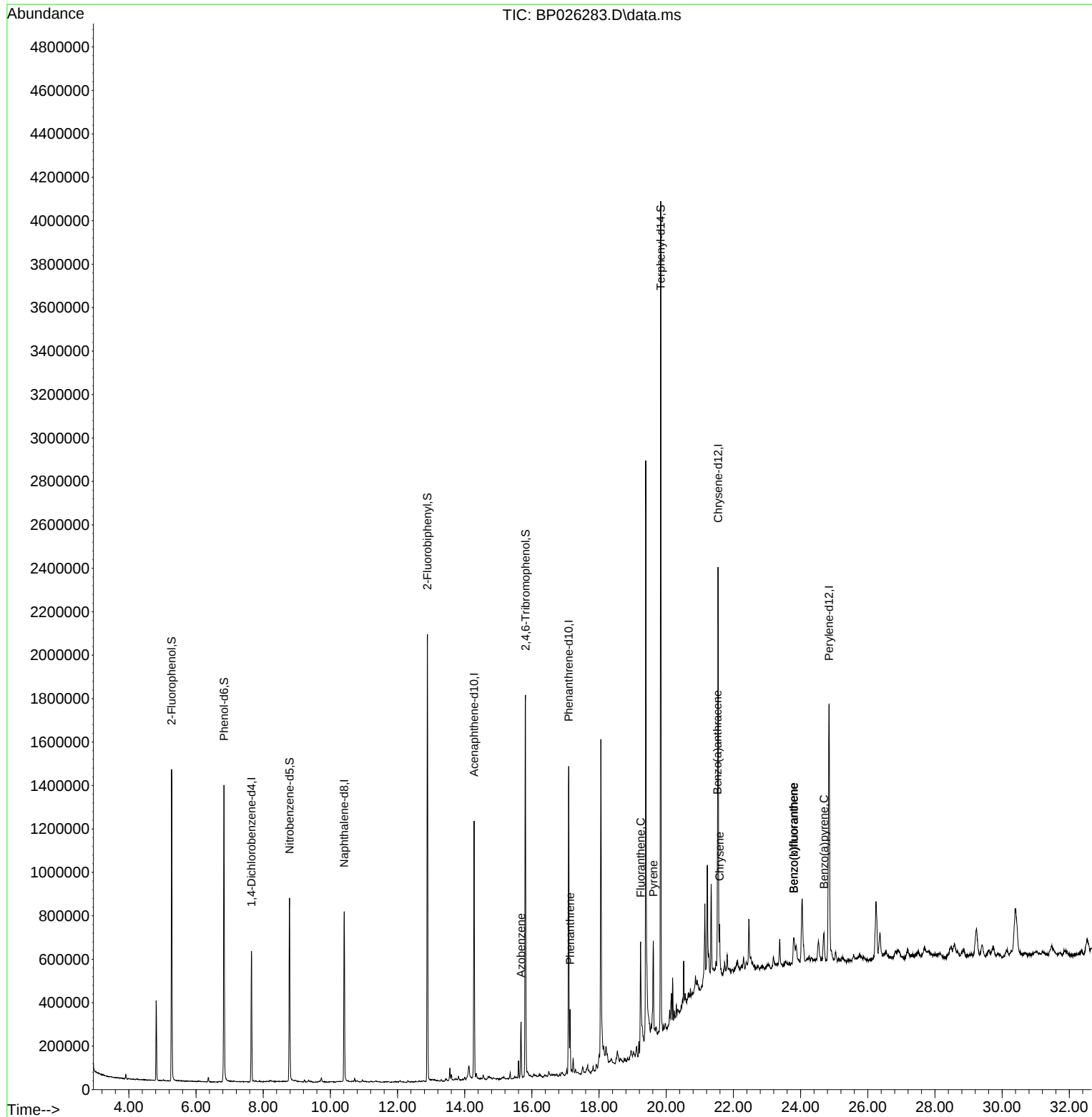
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	175508	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	668328	20.000	ng	0.00
39) Acenaphthene-d10	14.278	164	421570	20.000	ng	-0.01
64) Phenanthrene-d10	17.095	188	857071	20.000	ng	0.00
76) Chrysene-d12	21.542	240	1011033	20.000	ng	0.00
86) Perylene-d12	24.842	264	1205849	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.272	112	668227	61.211	ng	0.00
7) Phenol-d6	6.831	99	808989	58.707	ng	0.00
23) Nitrobenzene-d5	8.784	82	478483	40.752	ng	0.00
42) 2,4,6-Tribromophenol	15.807	330	368546	67.224	ng	0.00
45) 2-Fluorobiphenyl	12.889	172	1142367	39.397	ng	-0.01
79) Terphenyl-d14	19.836	244	1994393	40.319	ng	0.00
Target Compounds						
					Qvalue	
63) Azobenzene	15.678	77	81263	3.067	ng	# 1
71) Phenanthrene	17.136	178	189876	3.930	ng	99
75) Fluoranthene	19.236	202	323958	5.509	ng	99
78) Pyrene	19.613	202	299612	4.548	ng	100
81) Benzo(a)anthracene	21.524	228	152665	2.201	ng	98
83) Chrysene	21.589	228	143701	2.188	ng	98
88) Benzo(b)fluoranthene	23.795	252	190493	2.599	ng	99
89) Benzo(k)fluoranthene	23.795	252	190493	2.599	ng	# 98
90) Benzo(a)pyrene	24.695	252	141159	2.031	ng	98

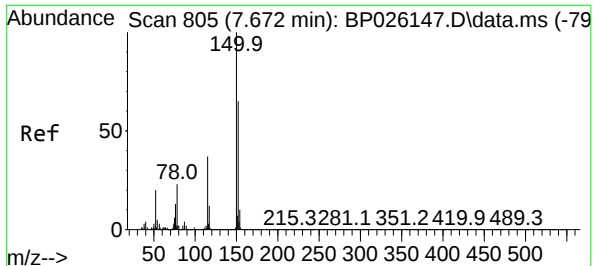
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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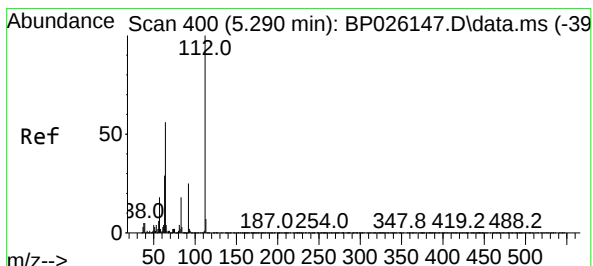
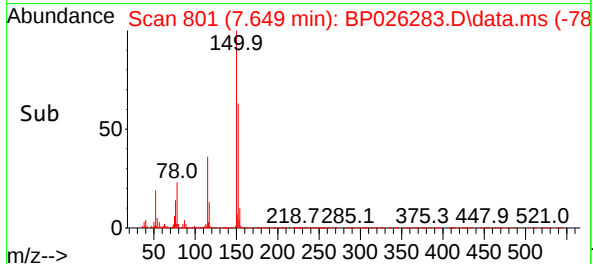
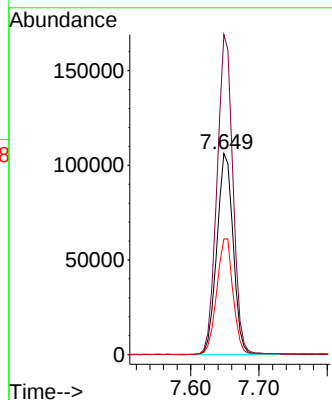
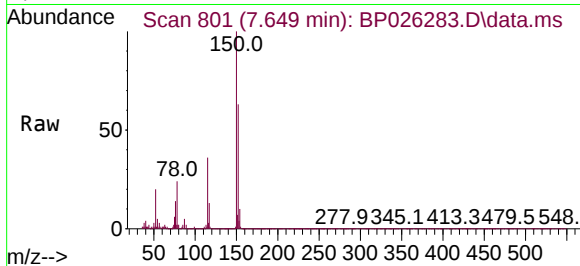




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 805
Delta R.T. -0.006 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

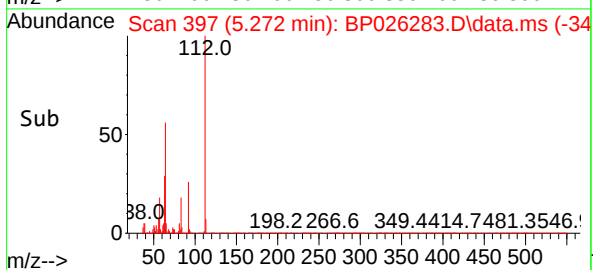
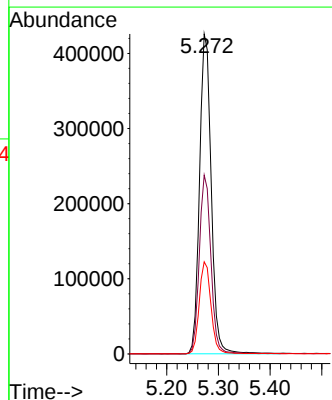
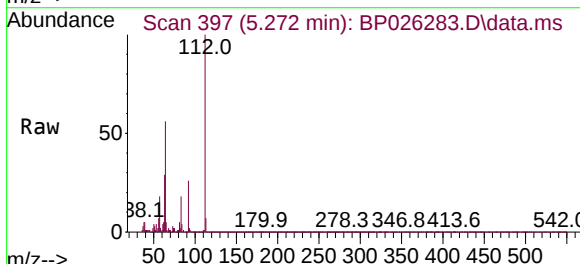
Instrument :
BNA_P
ClientSampleId :

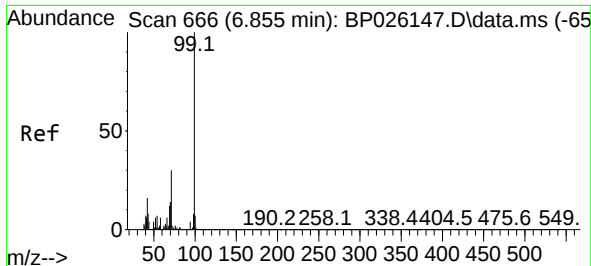
Tgt Ion:152 Resp: 175508
Ion Ratio Lower Upper
152 100
150 159.2 123.0 184.6
115 57.5 46.3 69.5



#5
2-Fluorophenol
Concen: 61.211 ng
RT: 5.272 min Scan# 397
Delta R.T. -0.006 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

Tgt Ion:112 Resp: 668227
Ion Ratio Lower Upper
112 100
64 55.9 45.8 68.6
63 28.8 23.5 35.3

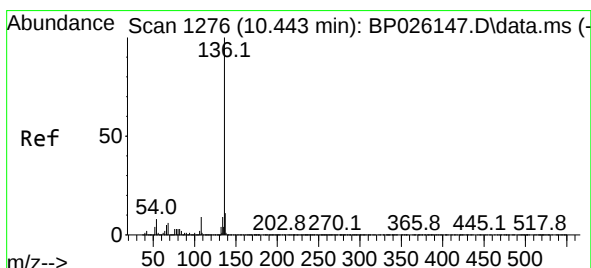
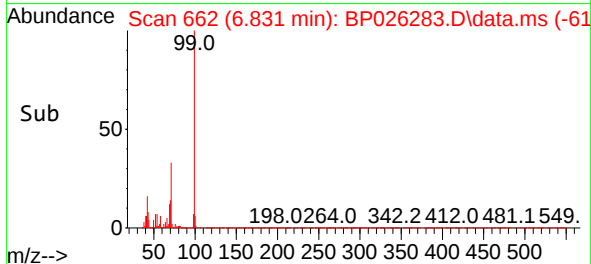
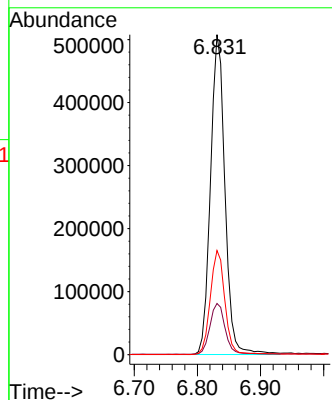
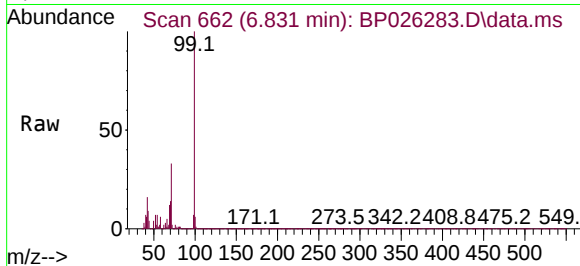




#7
Phenol-d6
Concen: 58.707 ng
RT: 6.831 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

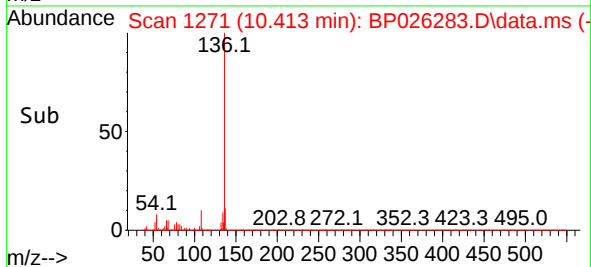
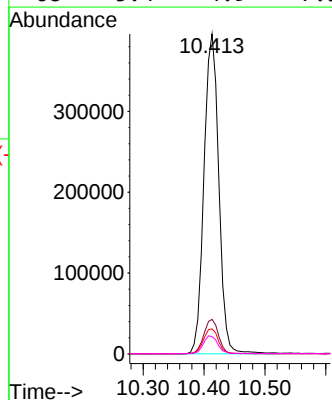
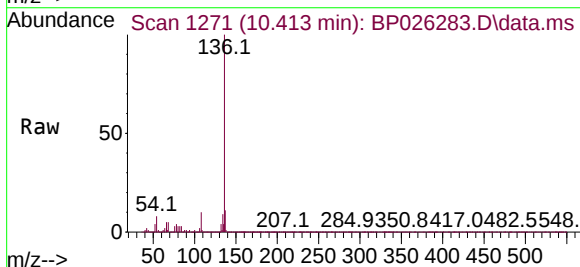
Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 99 Resp: 808989
Ion Ratio Lower Upper
99 100
42 16.0 12.9 19.3
71 32.5 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

Tgt Ion: 136 Resp: 668328
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 6.4 9.6
68 5.4 4.9 7.3

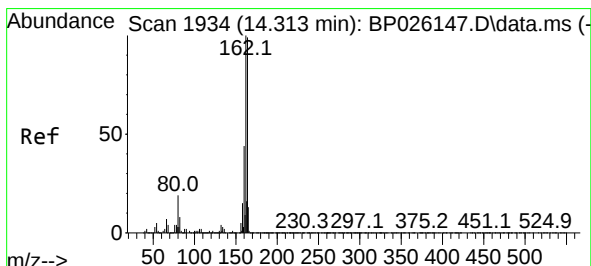
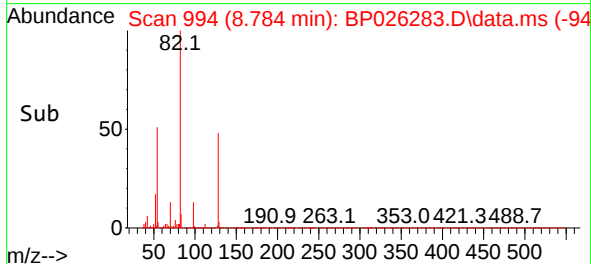
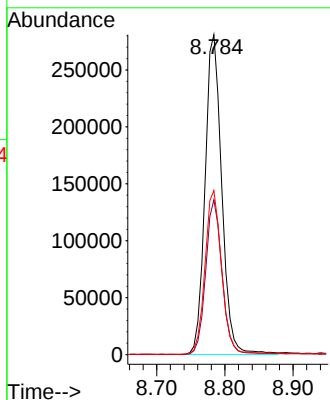
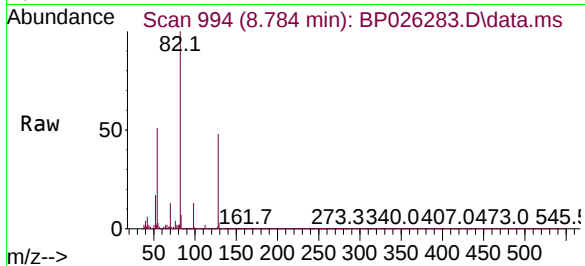




#23
Nitrobenzene-d5
Concen: 40.752 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

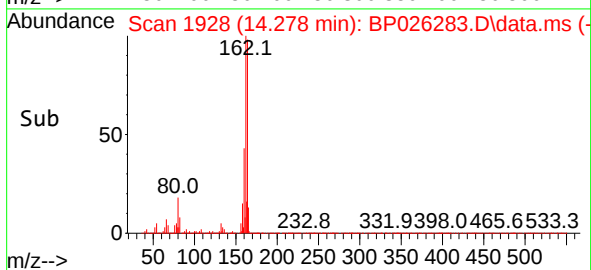
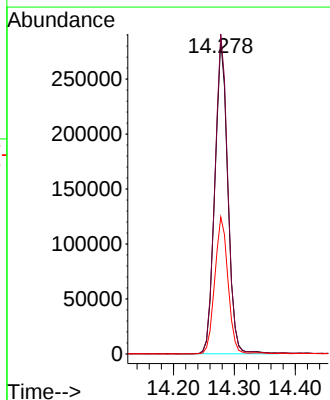
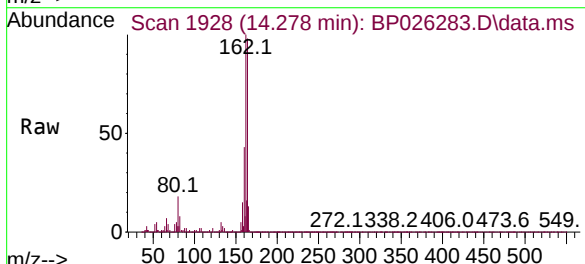
Instrument :
BNA_P
ClientSampleId :

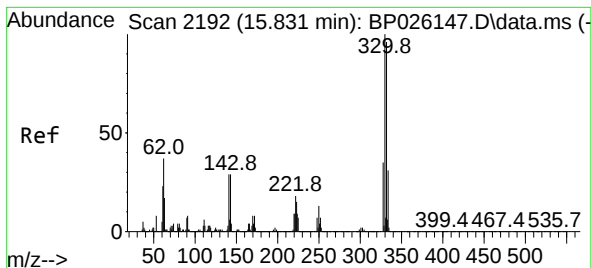
Tgt Ion: 82 Resp: 478483
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.0
54 51.3 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

Tgt Ion: 164 Resp: 421570
Ion Ratio Lower Upper
164 100
162 101.9 80.3 120.5
160 43.6 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 67.224 ng

RT: 15.807 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :

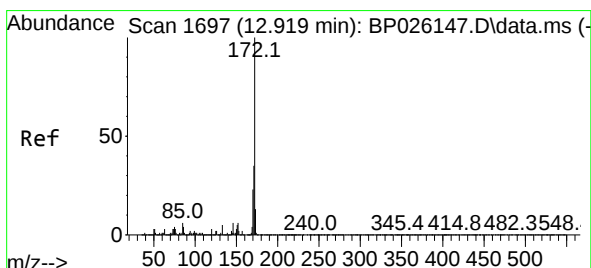
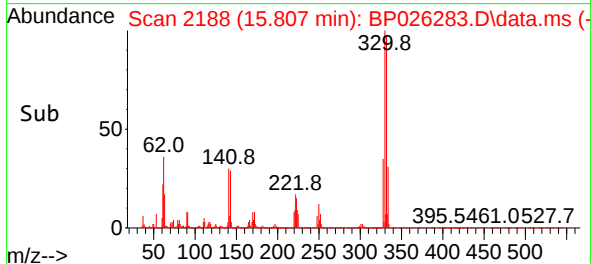
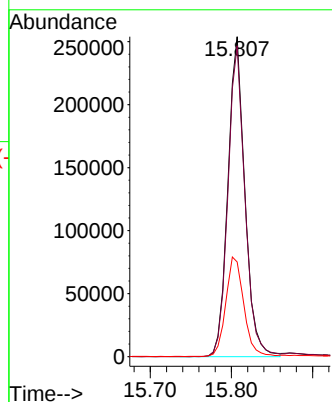
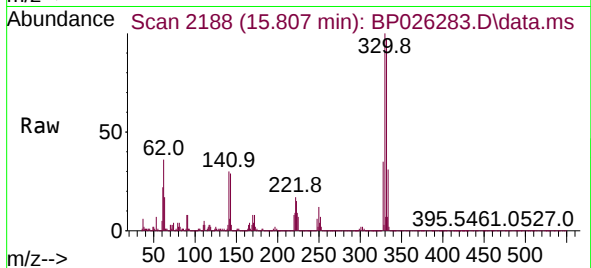
Tgt Ion:330 Resp: 368546

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 33.0 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 39.397 ng

RT: 12.889 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

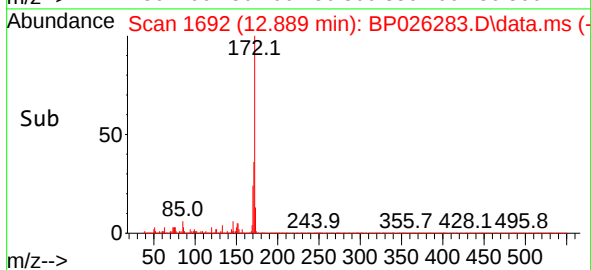
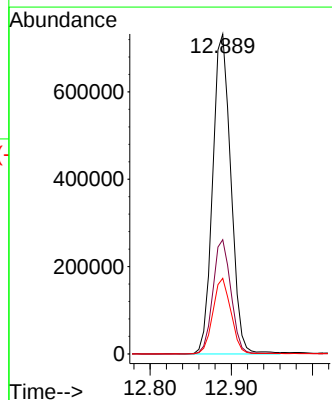
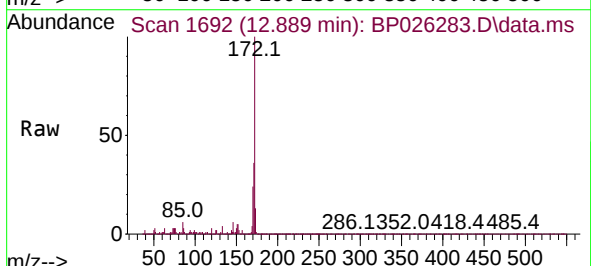
Tgt Ion:172 Resp: 1142367

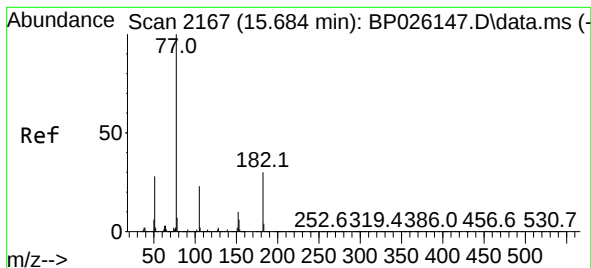
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.6 18.7 28.1





#63

Azobenzene

Concen: 3.067 ng

RT: 15.678 min Scan# 21

Delta R.T. 0.023 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :

Tgt Ion: 77 Resp: 81263

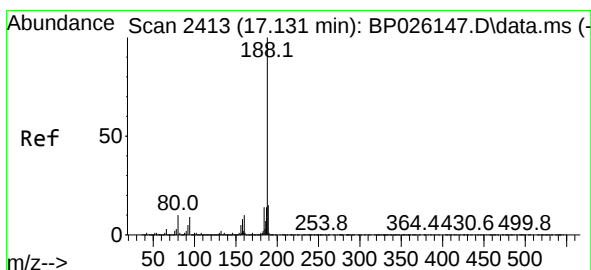
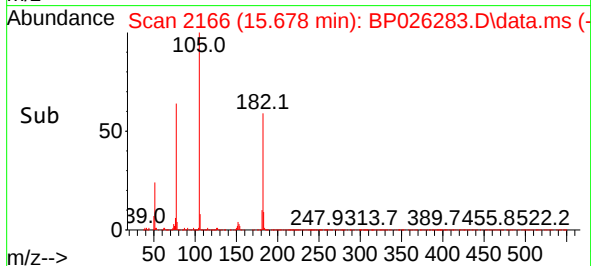
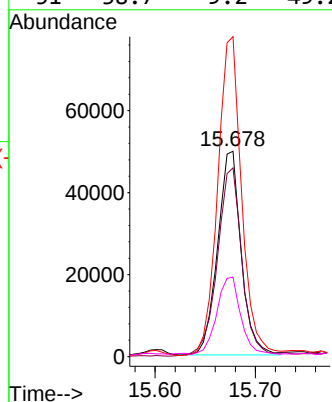
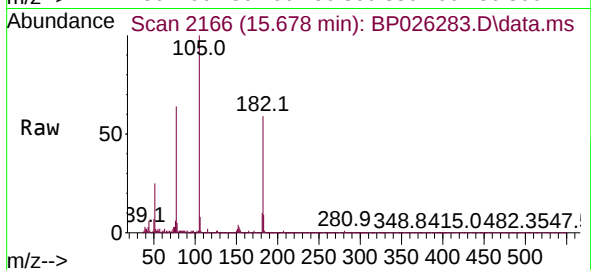
Ion Ratio Lower Upper

77 100

182 91.9 8.8 48.8#

105 155.8 2.6 42.6#

51 38.7 9.2 49.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.095 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

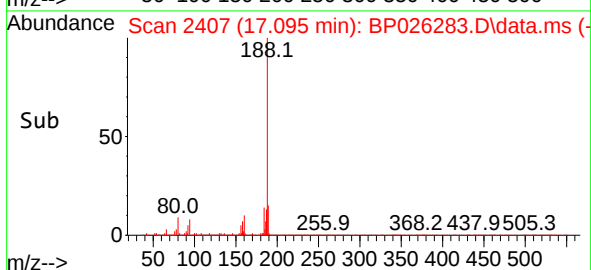
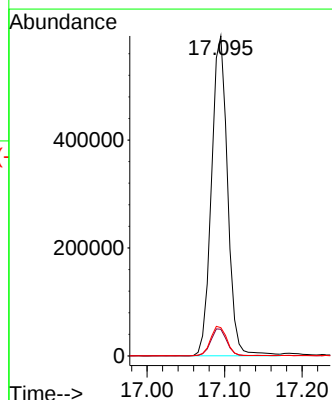
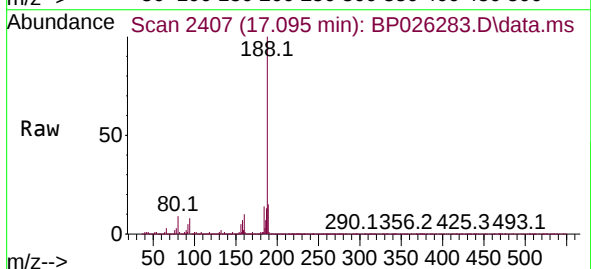
Tgt Ion:188 Resp: 857071

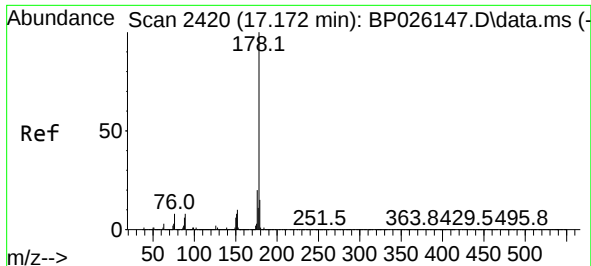
Ion Ratio Lower Upper

188 100

94 8.3 7.8 11.6

80 8.8 8.2 12.2

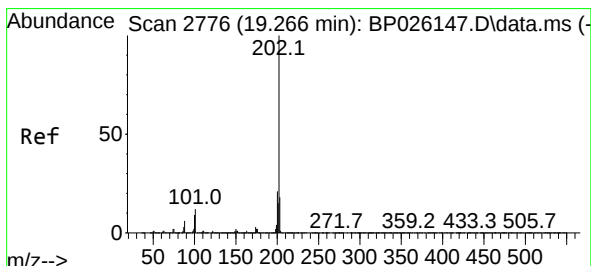
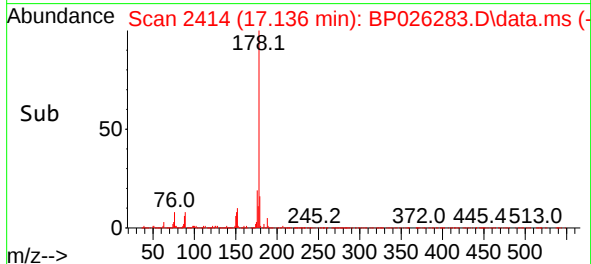
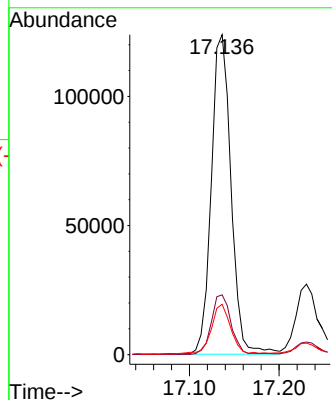
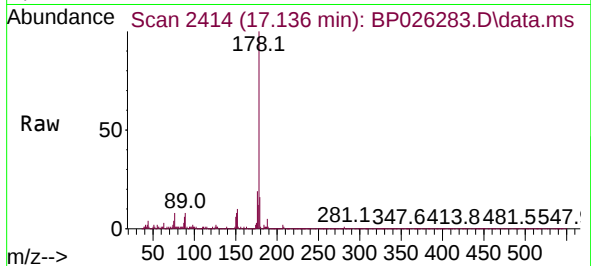




#71
Phenanthrene
Concen: 3.930 ng
RT: 17.136 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

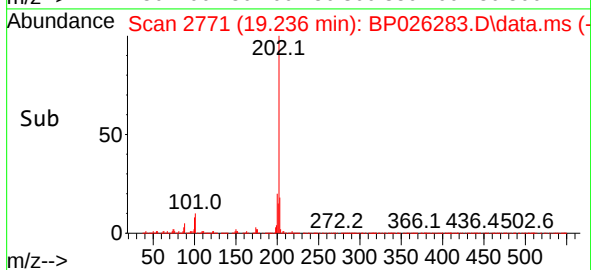
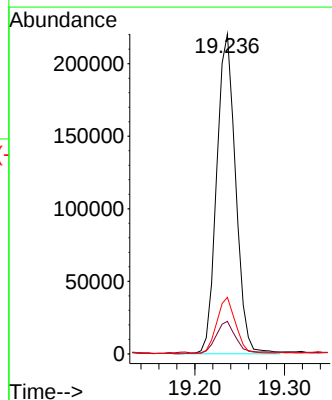
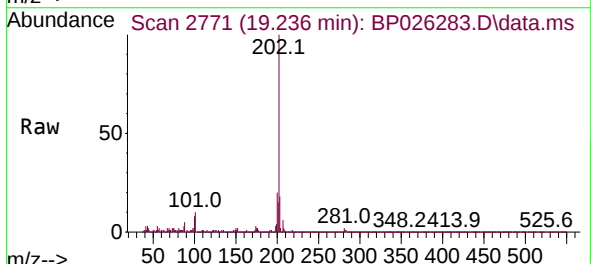
Instrument :
BNA_P
ClientSampleId :

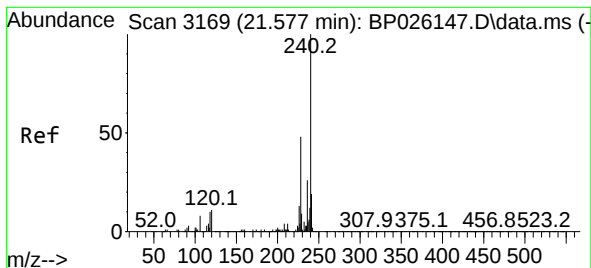
Tgt Ion:178 Resp: 189876
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.7 12.4 18.6



#75
Fluoranthene
Concen: 5.509 ng
RT: 19.236 min Scan# 2771
Delta R.T. -0.000 min
Lab File: BP026283.D
Acq: 10 Dec 2025 19:56

Tgt Ion:202 Resp: 323958
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.2
203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.542 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :

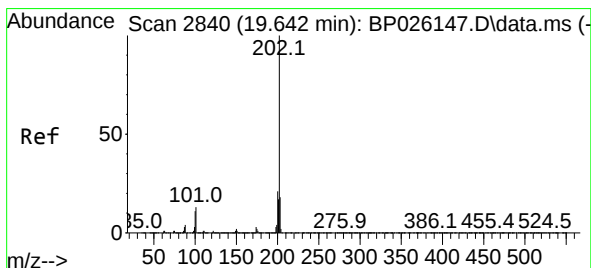
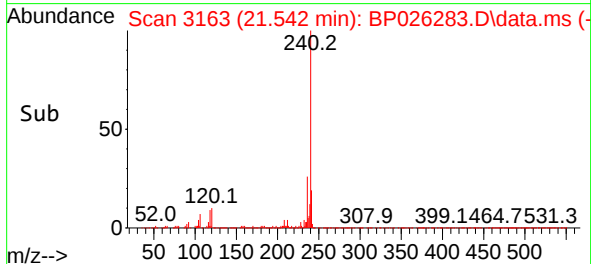
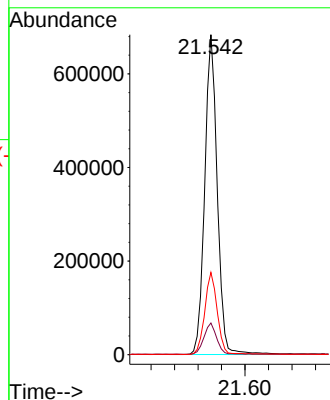
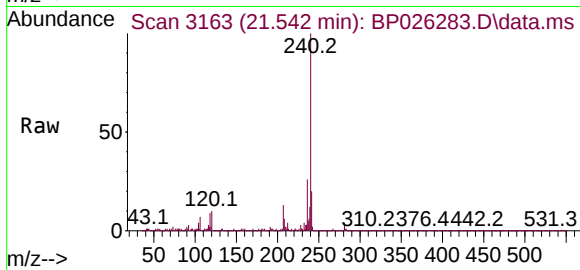
Tgt Ion:240 Resp: 1011033

Ion Ratio Lower Upper

240 100

120 9.9 9.0 13.4

236 25.7 20.4 30.6



#78

Pyrene

Concen: 4.548 ng

RT: 19.613 min Scan# 2835

Delta R.T. -0.000 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

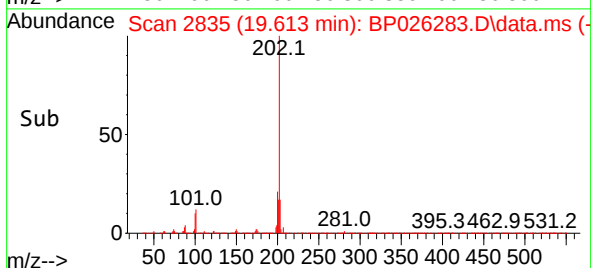
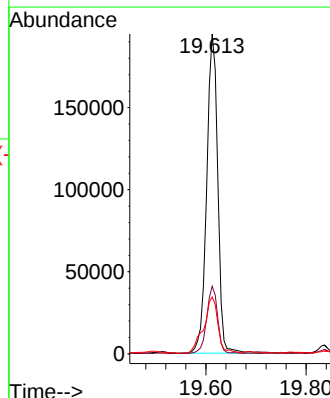
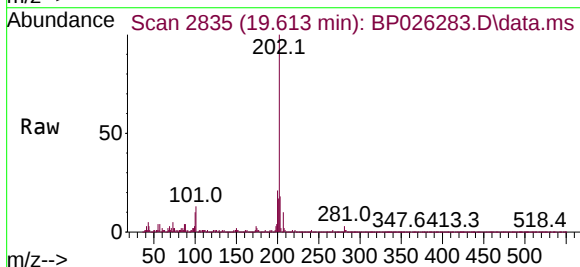
Tgt Ion:202 Resp: 299612

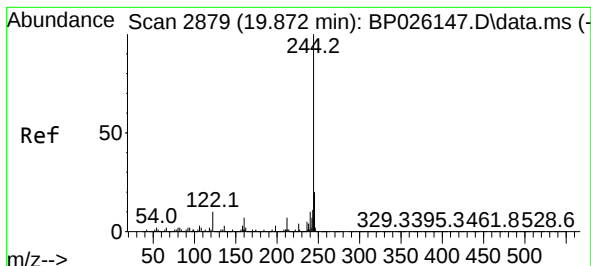
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 13.8 20.8





#79

Terphenyl-d14

Concen: 40.319 ng

RT: 19.836 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :

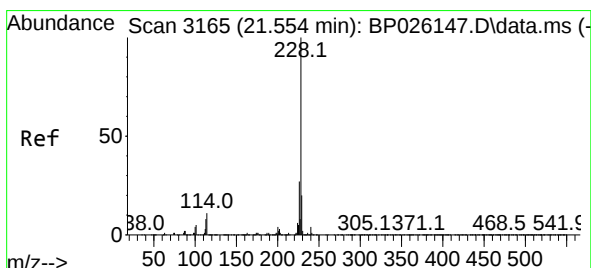
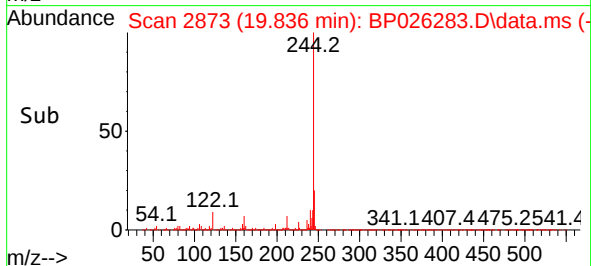
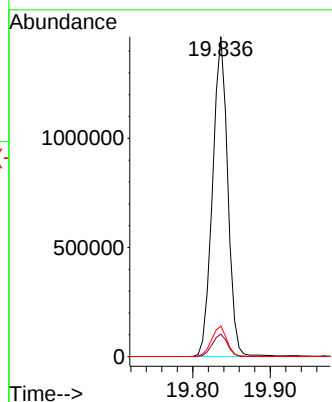
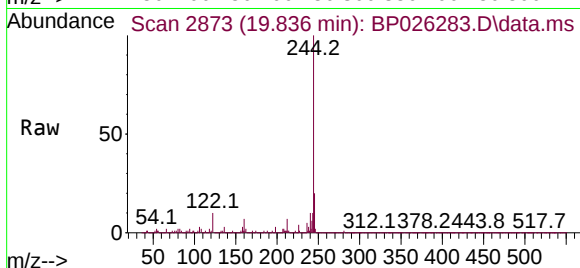
Tgt Ion:244 Resp: 1994393

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.5 8.2 12.2



#81

Benzo(a)anthracene

Concen: 2.201 ng

RT: 21.524 min Scan# 3160

Delta R.T. 0.006 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

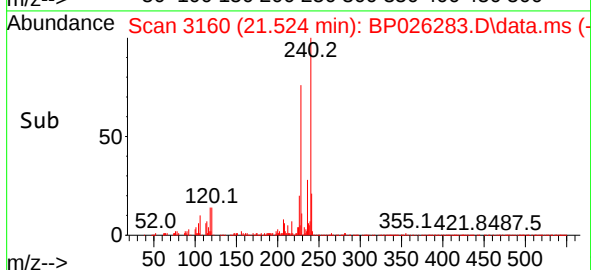
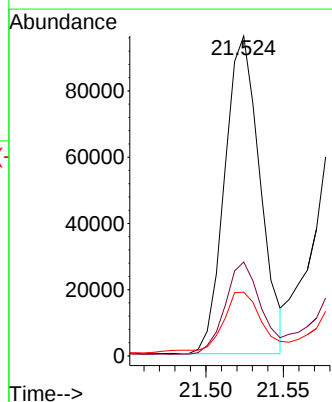
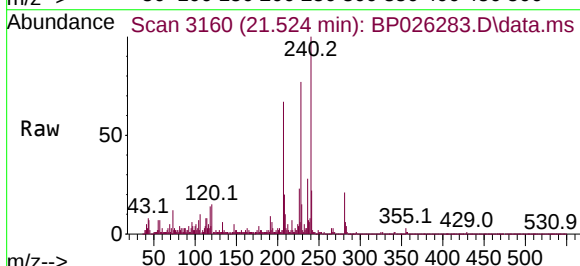
Tgt Ion:228 Resp: 152665

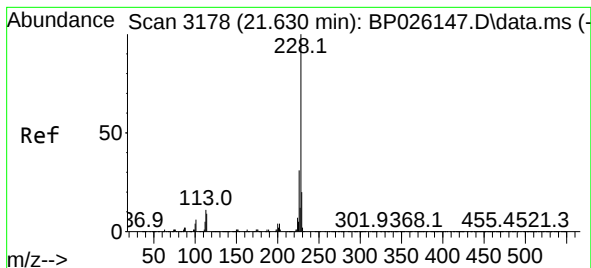
Ion Ratio Lower Upper

228 100

226 29.3 21.8 32.8

229 19.9 15.9 23.9





#83

Chrysene

Concen: 2.188 ng

RT: 21.589 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :

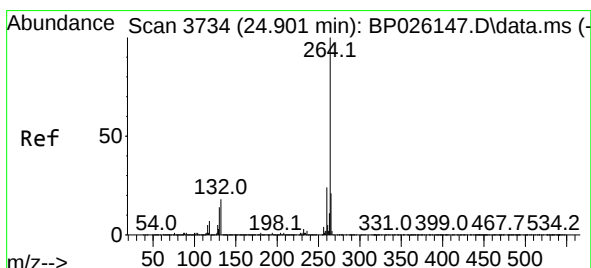
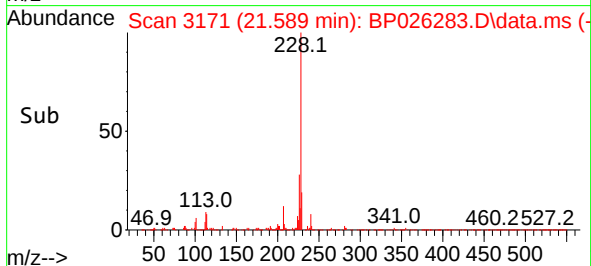
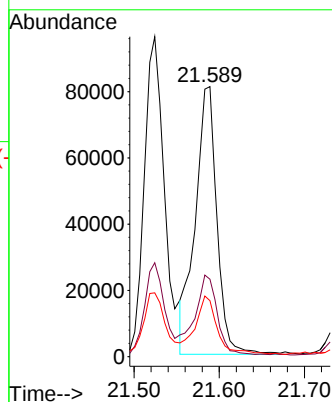
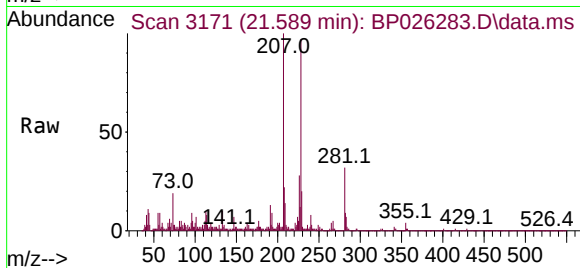
Tgt Ion:228 Resp: 143701

Ion Ratio Lower Upper

228 100

226 28.7 23.9 35.9

229 20.7 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: BP026283.D

Acq: 10 Dec 2025 19:56

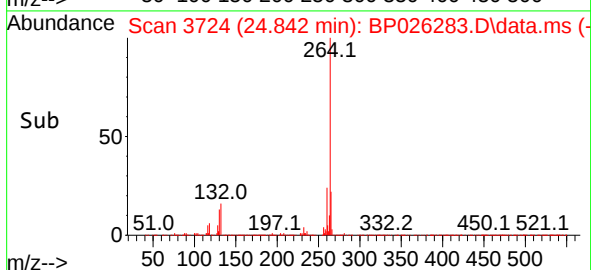
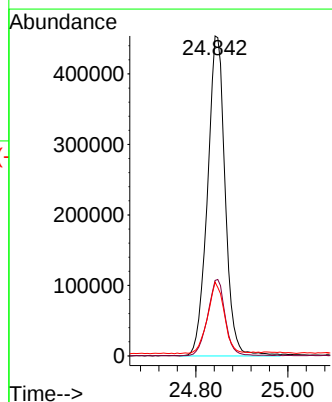
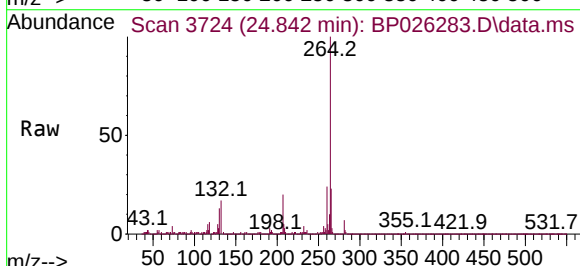
Tgt Ion:264 Resp: 1205849

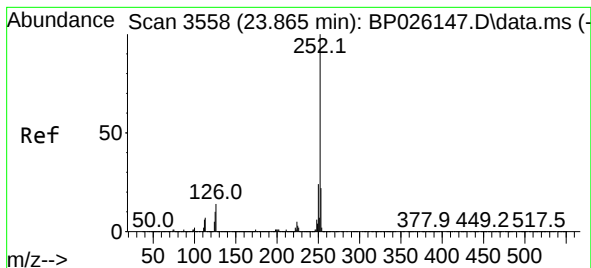
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 23.0 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.599 ng

RT: 23.795 min Scan# 3546

Delta R.T. -0.000 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :

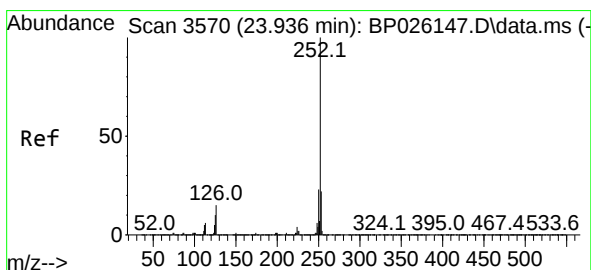
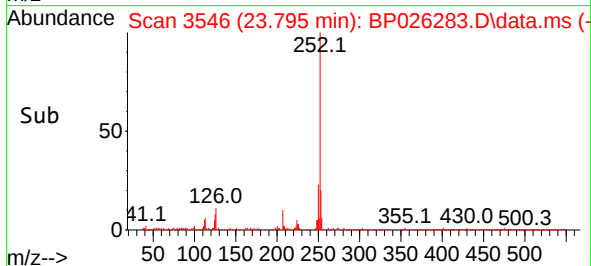
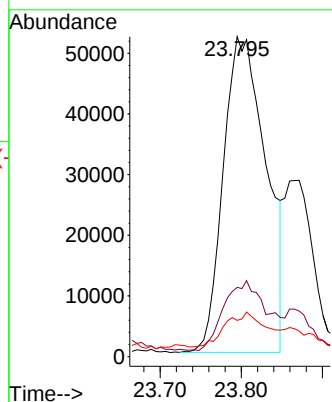
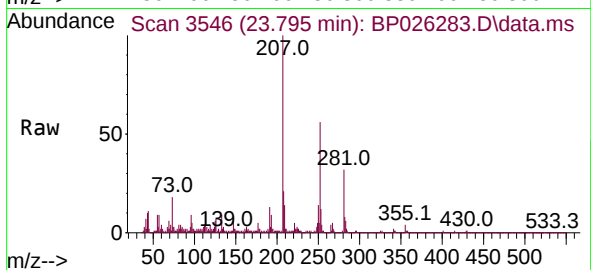
Tgt Ion:252 Resp: 190493

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 11.3 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 2.599 ng

RT: 23.795 min Scan# 3546

Delta R.T. -0.071 min

Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

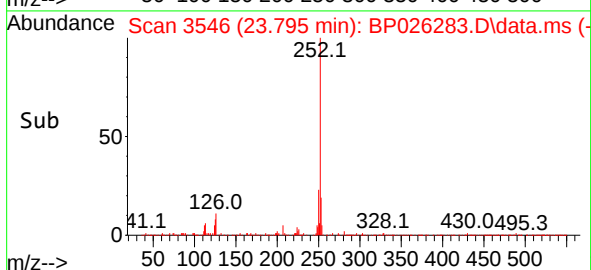
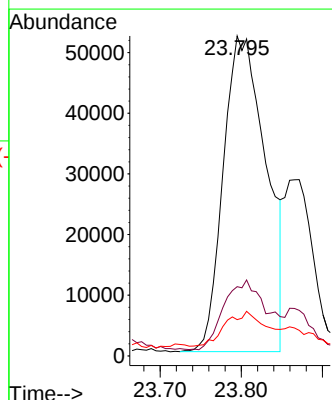
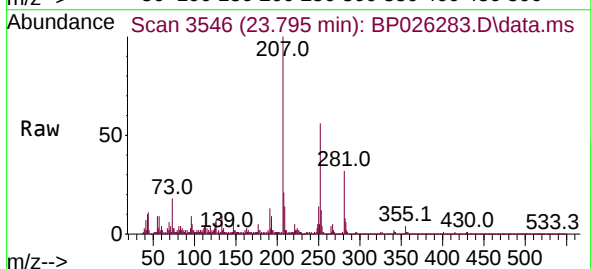
Tgt Ion:252 Resp: 190493

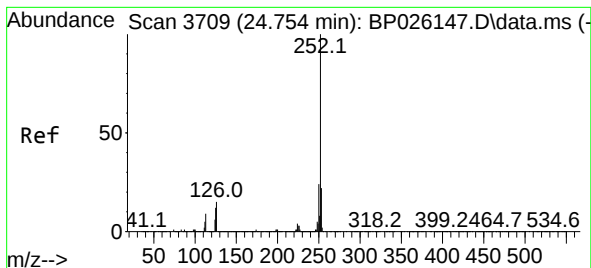
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 11.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 2.031 ng

RT: 24.695 min Scan# 30

Delta R.T. 0.012 min

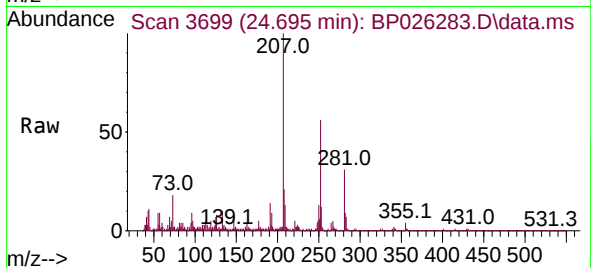
Lab File: BP026283.D

Acq: 10 Dec 2025 19:56

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:252 Resp: 141159

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.2

125 13.2 9.0 13.6

