

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121025\
 Data File : BP026284.D
 Acq On : 10 Dec 2025 20:37
 Operator : RC/JU
 Sample : Q3826-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-14

Quant Time: Dec 11 03:08:19 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)

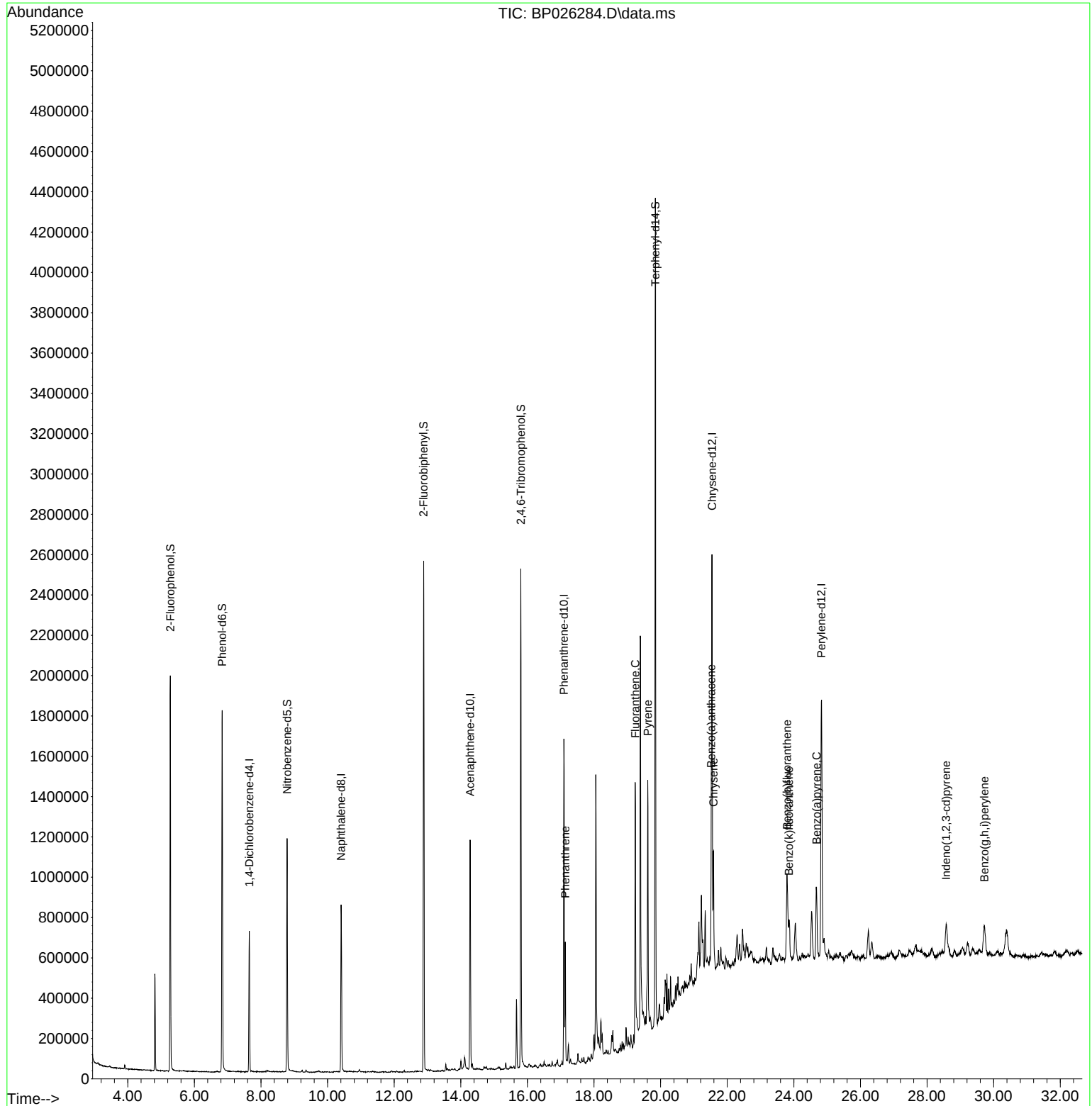
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	193074	20.000	ng	0.00
21) Naphthalene-d8	10.407	136	748657	20.000	ng	-0.01
39) Acenaphthene-d10	14.278	164	478114	20.000	ng	-0.01
64) Phenanthrene-d10	17.095	188	959786	20.000	ng	0.00
76) Chrysene-d12	21.542	240	1114999	20.000	ng	0.00
86) Perylene-d12	24.824	264	1322877	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	883354	73.555	ng	0.00
7) Phenol-d6	6.837	99	1069461	70.549	ng	0.00
23) Nitrobenzene-d5	8.784	82	630431	47.932	ng	0.00
42) 2,4,6-Tribromophenol	15.801	330	493953	79.443	ng	0.00
45) 2-Fluorobiphenyl	12.884	172	1452935	44.182	ng	-0.02
79) Terphenyl-d14	19.842	244	2351066	43.098	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.137	178	339373	6.272	ng	99
75) Fluoranthene	19.236	202	783200	11.894	ng	100
78) Pyrene	19.613	202	768979	10.583	ng	99
81) Benzo(a)anthracene	21.519	228	374862	4.901	ng	98
83) Chrysene	21.589	228	410322	5.666	ng	98
87) Indeno(1,2,3-cd)pyrene	28.571	276	273054	2.731	ng	95
88) Benzo(b)fluoranthene	23.795	252	533961	6.641	ng	98
89) Benzo(k)fluoranthene	23.854	252	199915	2.486	ng	# 95
90) Benzo(a)pyrene	24.683	252	395891	5.193	ng	97
92) Benzo(g,h,i)perylene	29.724	276	271831	3.335	ng	99

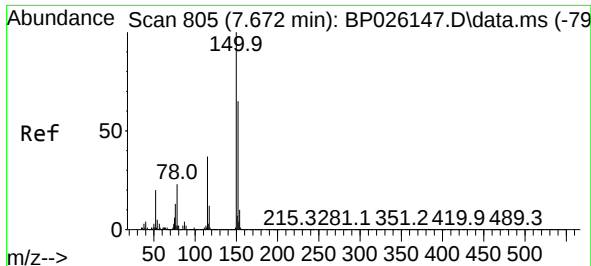
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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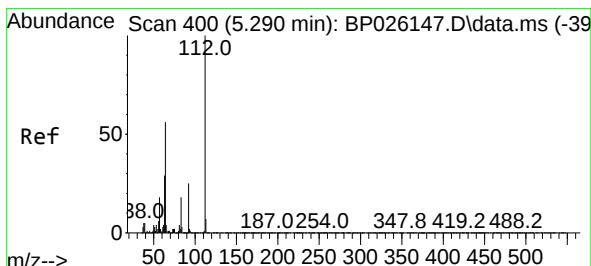
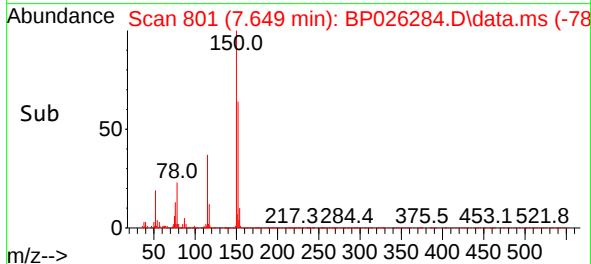
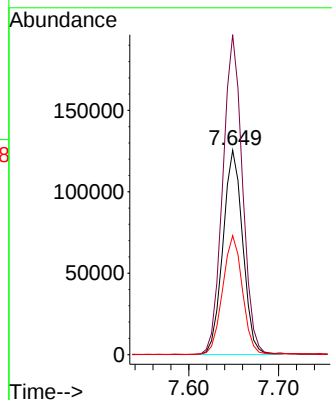
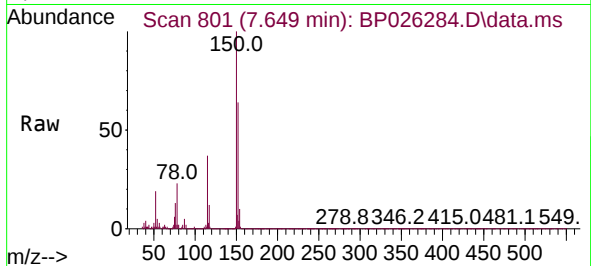




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

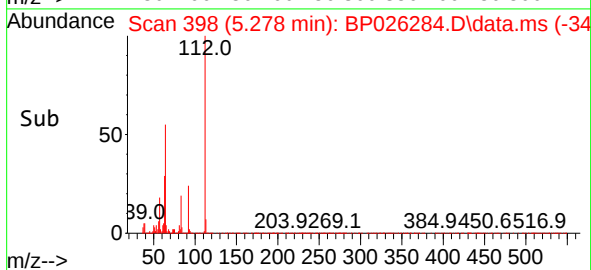
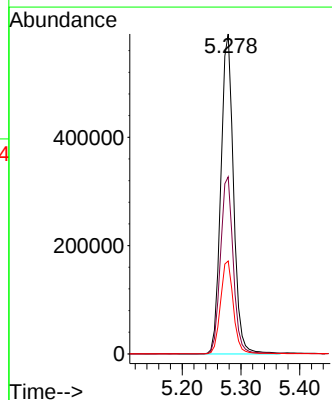
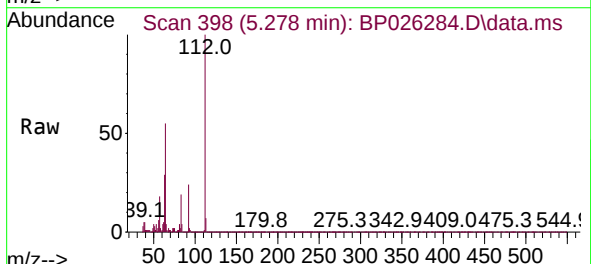
Instrument :
BNA_P
ClientSampleId :
TP-14

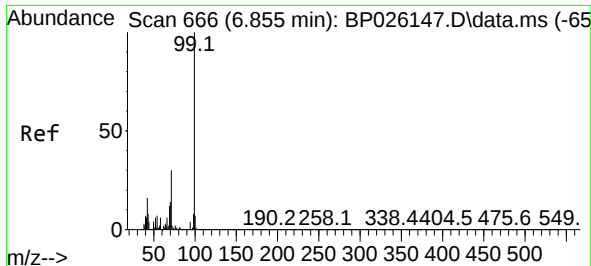
Tgt Ion:152 Resp: 193074
Ion Ratio Lower Upper
152 100
150 156.6 123.0 184.6
115 58.2 46.3 69.5



#5
2-Fluorophenol
Concen: 73.555 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Tgt Ion:112 Resp: 883354
Ion Ratio Lower Upper
112 100
64 55.3 45.8 68.6
63 29.0 23.5 35.3

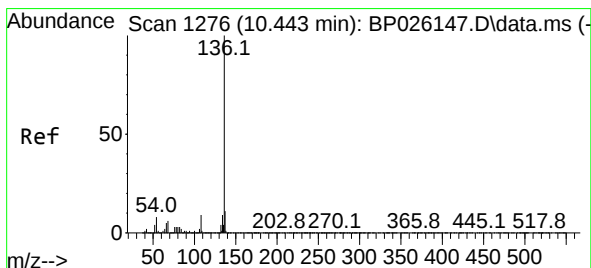
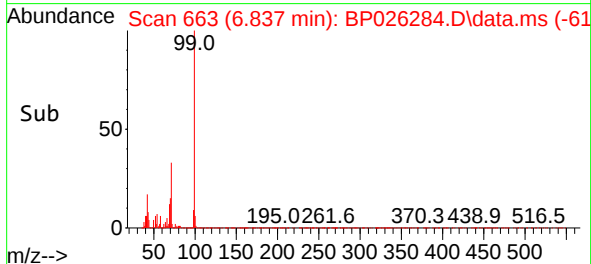
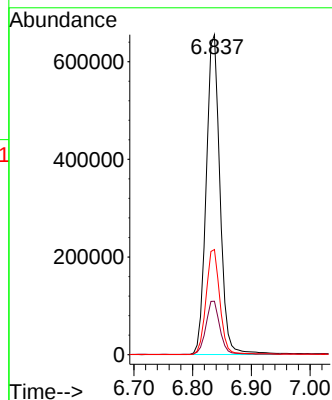
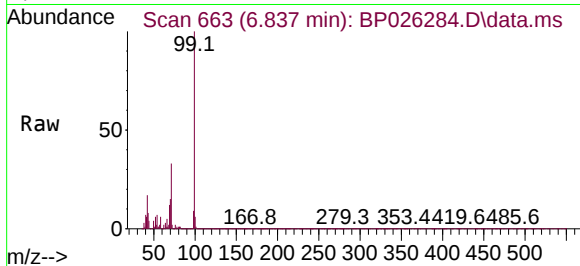




#7
Phenol-d6
Concen: 70.549 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

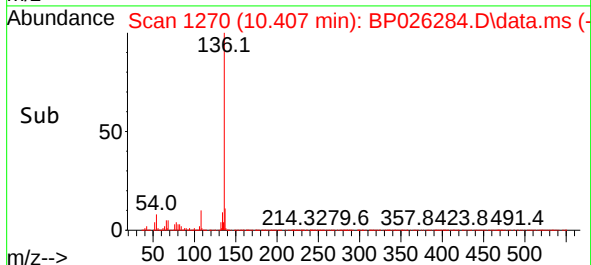
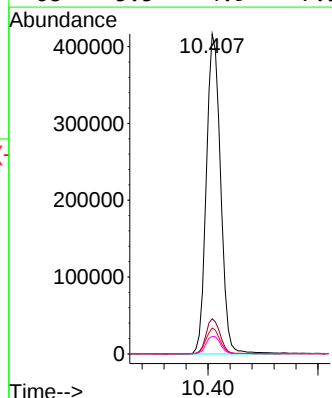
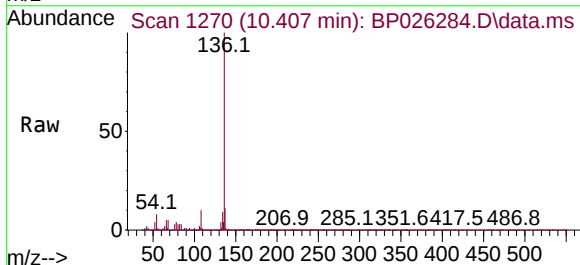
Instrument :
BNA_P
ClientSampleId :
TP-14

Tgt Ion: 99 Resp: 1069461
Ion Ratio Lower Upper
99 100
42 16.7 12.9 19.3
71 32.8 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Tgt Ion: 136 Resp: 748657
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.1 6.4 9.6
68 5.5 4.9 7.3

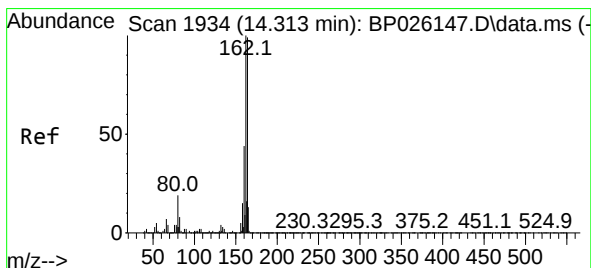
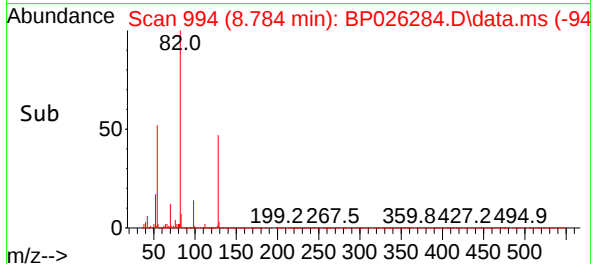
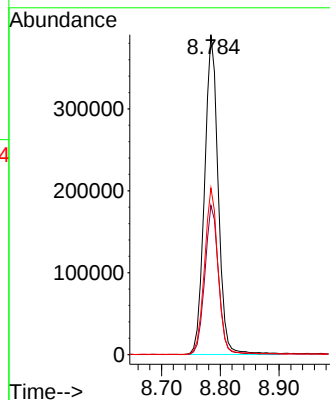
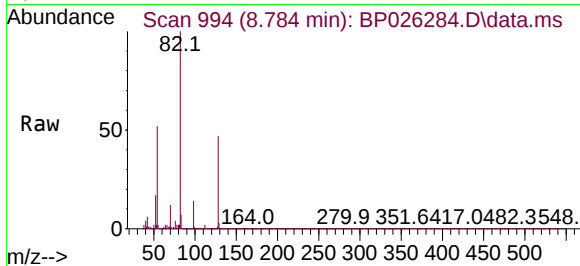




#23
Nitrobenzene-d5
Concen: 47.932 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

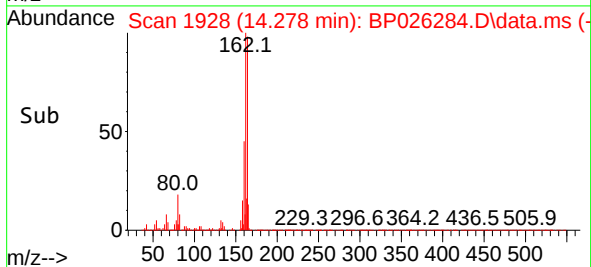
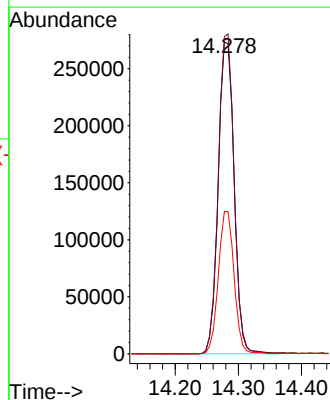
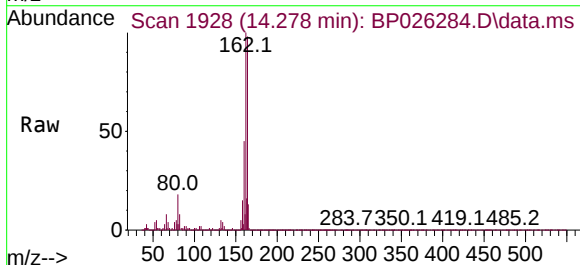
Instrument :
BNA_P
ClientSampleId :
TP-14

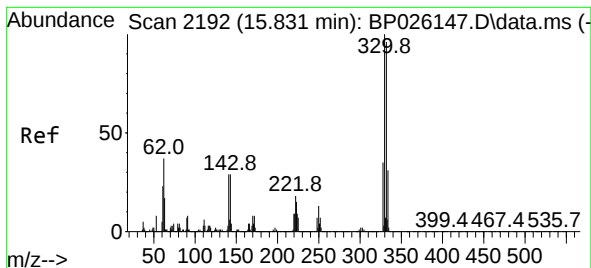
Tgt Ion: 82 Resp: 630431
Ion Ratio Lower Upper
82 100
128 46.6 37.4 56.0
54 52.1 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Tgt Ion:164 Resp: 478114
Ion Ratio Lower Upper
164 100
162 101.7 80.3 120.5
160 45.6 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 79.443 ng

RT: 15.801 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

TP-14

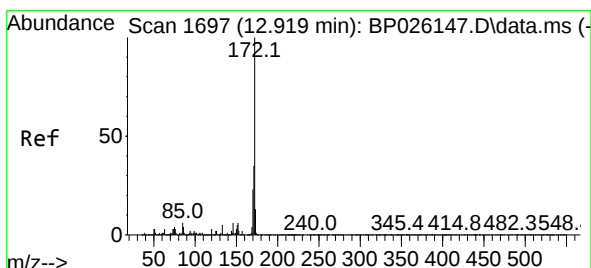
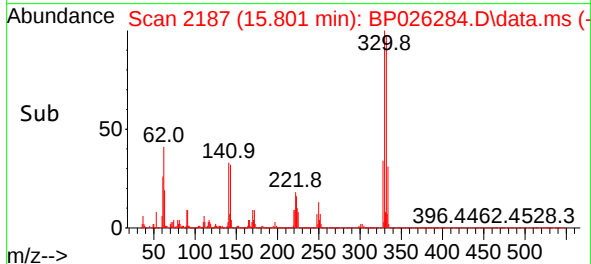
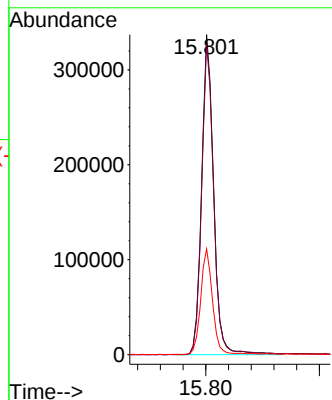
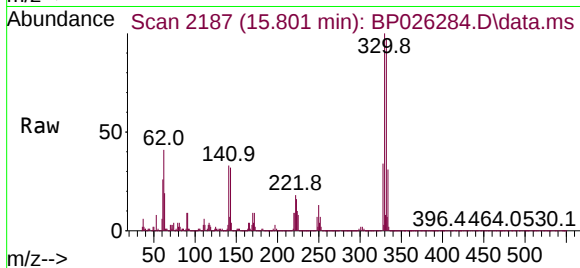
Tgt Ion:330 Resp: 493953

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 32.4 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 44.182 ng

RT: 12.884 min Scan# 1691

Delta R.T. -0.018 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

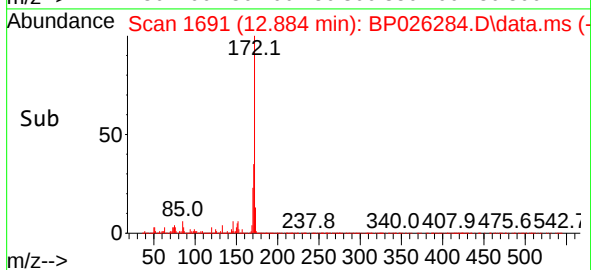
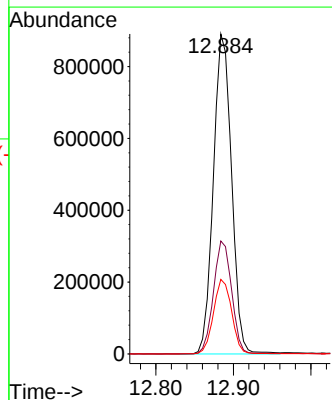
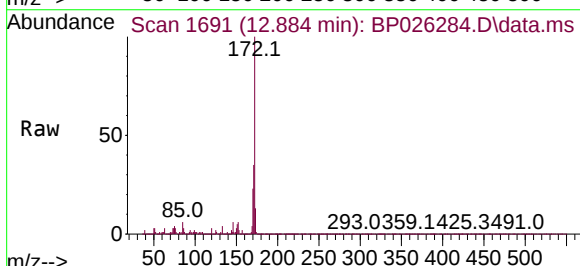
Tgt Ion:172 Resp: 1452935

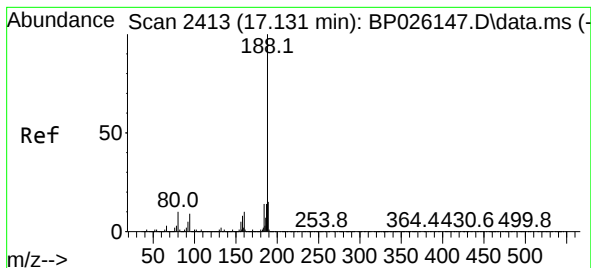
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.095 min Scan# 2413

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

TP-14

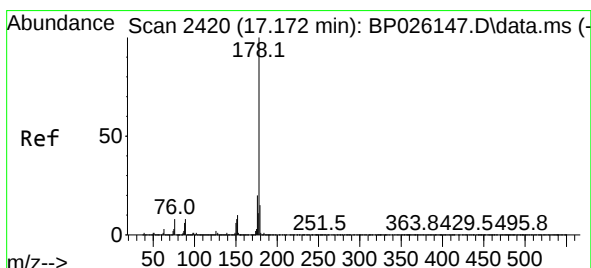
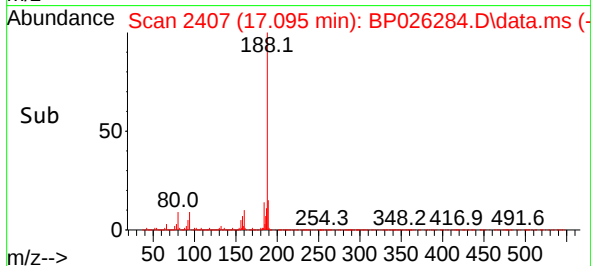
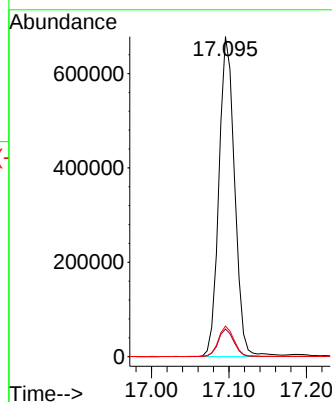
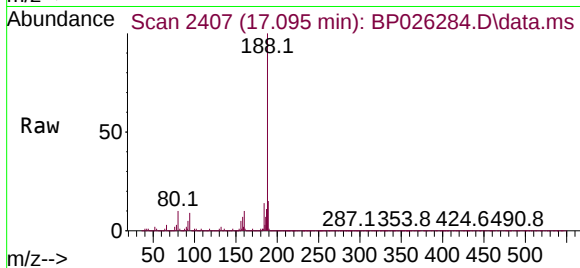
Tgt Ion:188 Resp: 959786

Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

80 9.5 8.2 12.2



#71

Phenanthrene

Concen: 6.272 ng

RT: 17.137 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

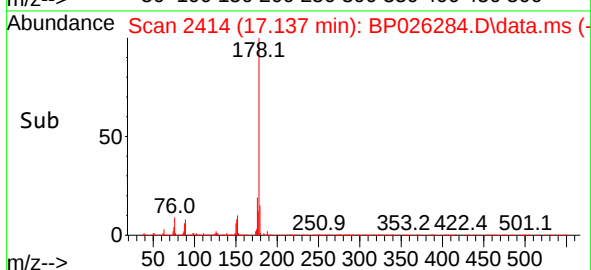
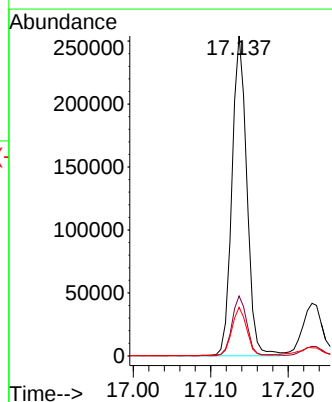
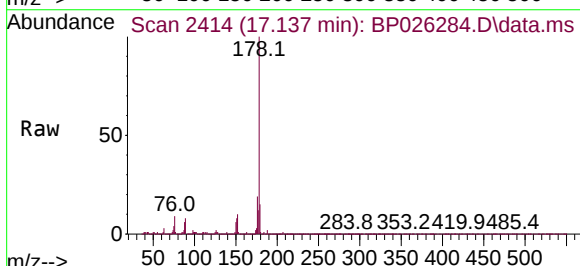
Tgt Ion:178 Resp: 339373

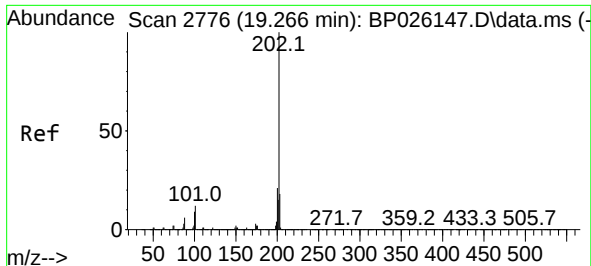
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 15.2 12.4 18.6

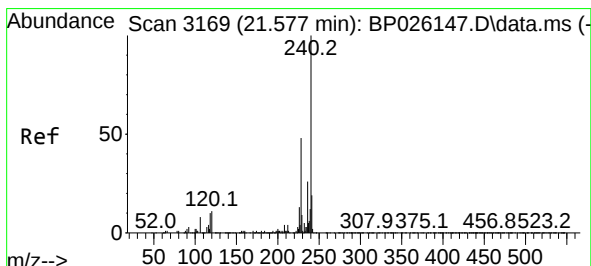
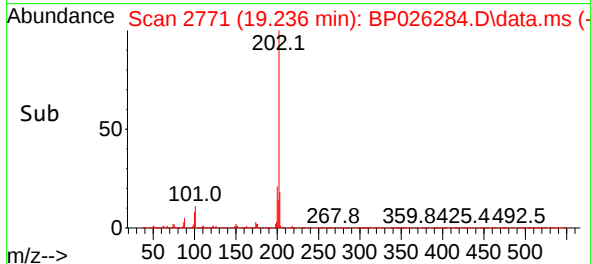
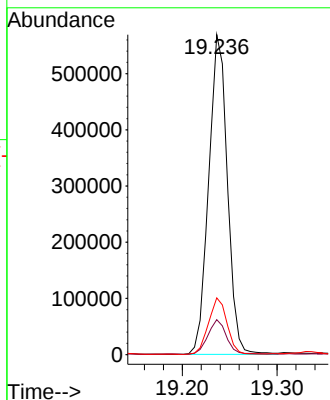
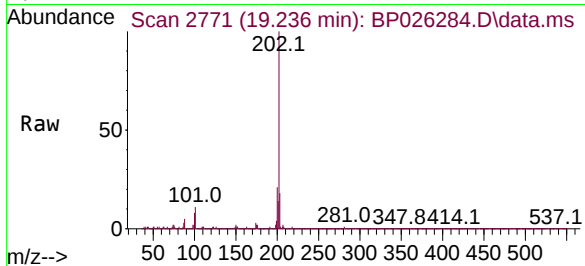




#75
Fluoranthene
Concen: 11.894 ng
RT: 19.236 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

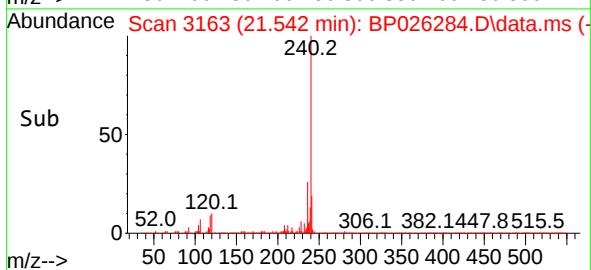
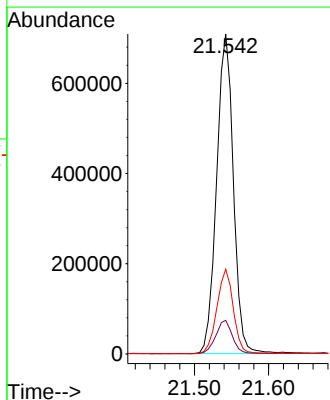
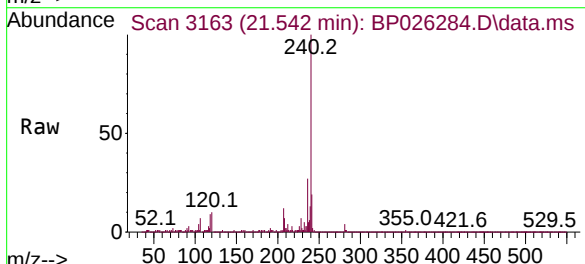
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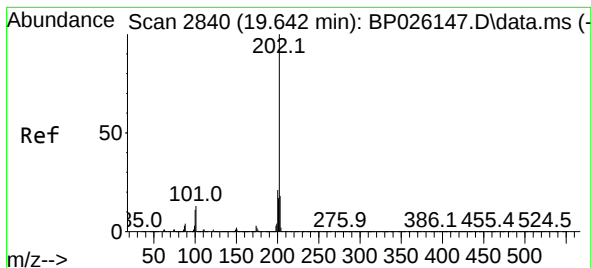
Tgt Ion:202 Resp: 783200
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.2
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.006 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Tgt Ion:240 Resp: 1114999
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 26.5 20.4 30.6





#78

Pyrene

Concen: 10.583 ng

RT: 19.613 min Scan# 2835

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

TP-14

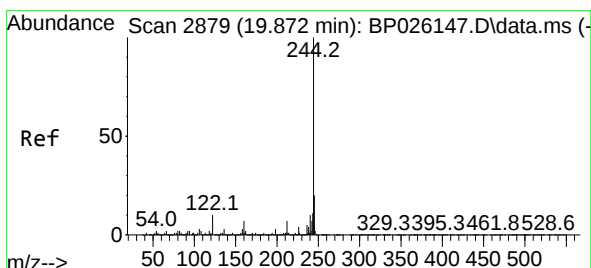
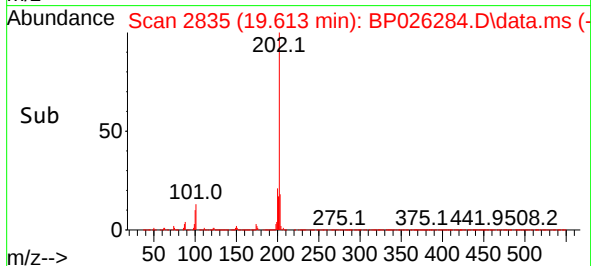
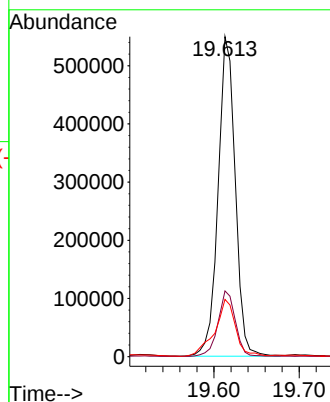
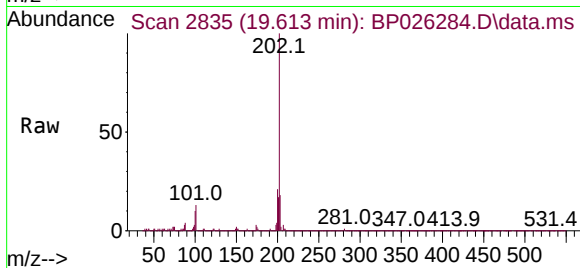
Tgt Ion:202 Resp: 768979

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.9 13.8 20.8



#79

Terphenyl-d14

Concen: 43.098 ng

RT: 19.842 min Scan# 2874

Delta R.T. 0.006 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

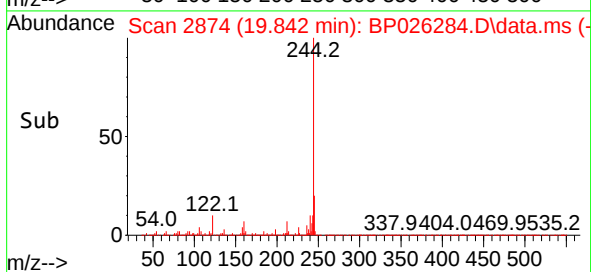
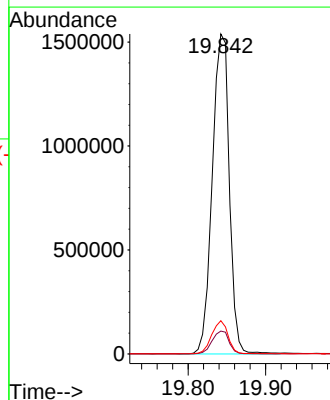
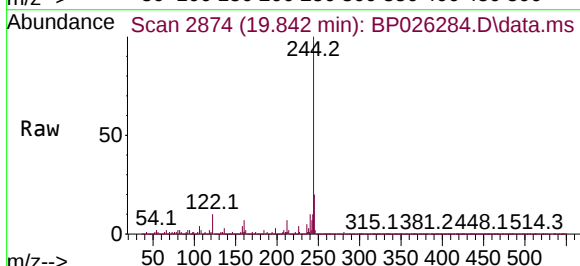
Tgt Ion:244 Resp: 2351066

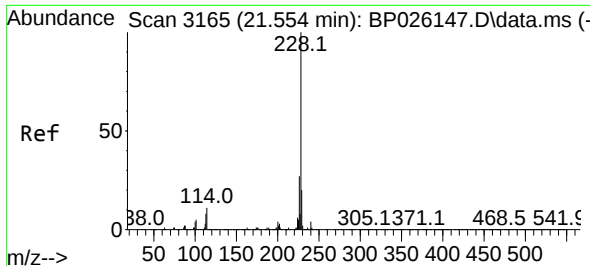
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.4 8.2 12.2

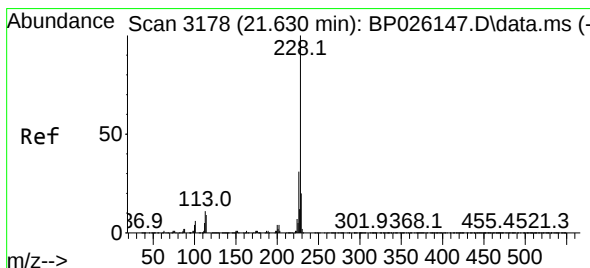
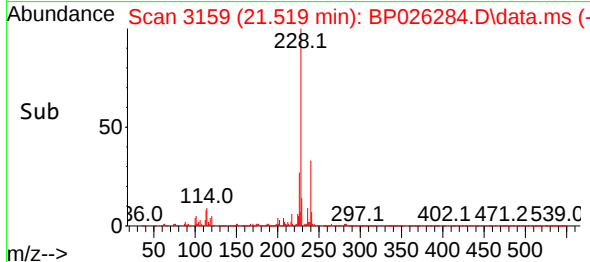
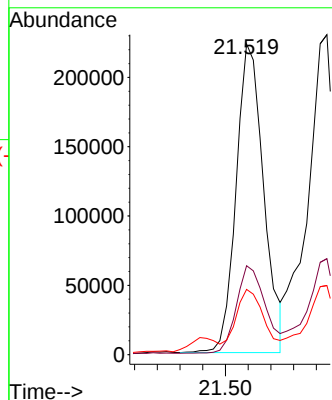
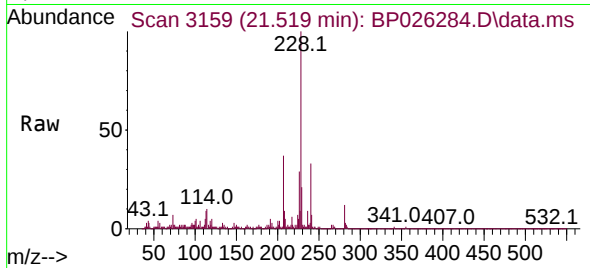




#81
Benzo(a)anthracene
Concen: 4.901 ng
RT: 21.519 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

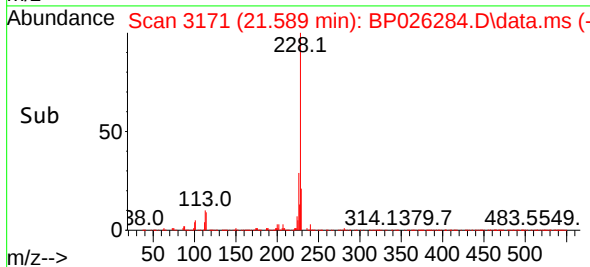
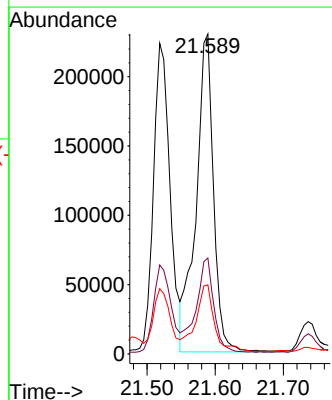
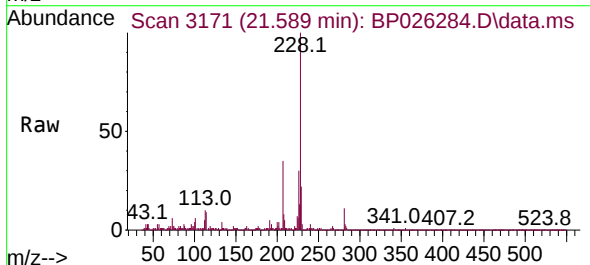
Instrument :
BNA_P
ClientSampleId :
TP-14

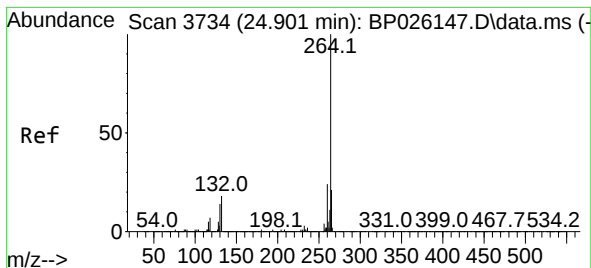
Tgt Ion:228 Resp: 374862
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.8
229 21.0 15.9 23.9



#83
Chrysene
Concen: 5.666 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.006 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Tgt Ion:228 Resp: 410322
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.824 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

TP-14

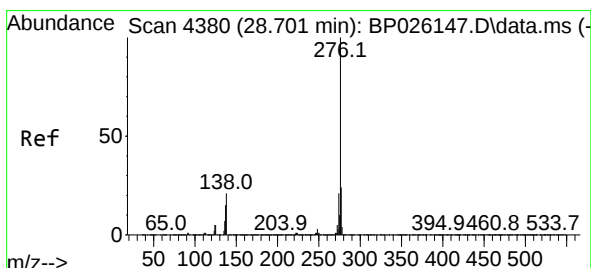
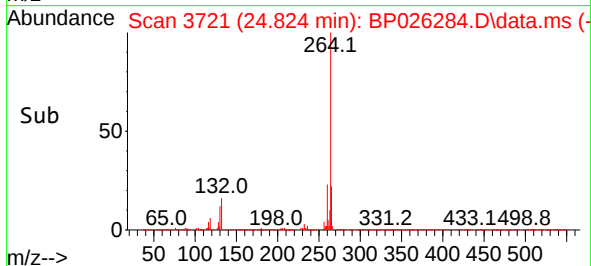
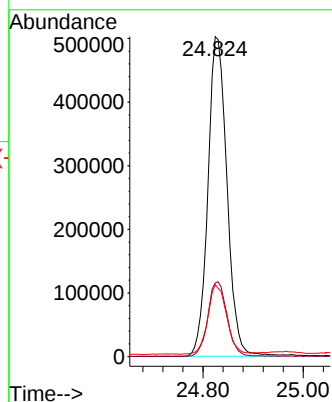
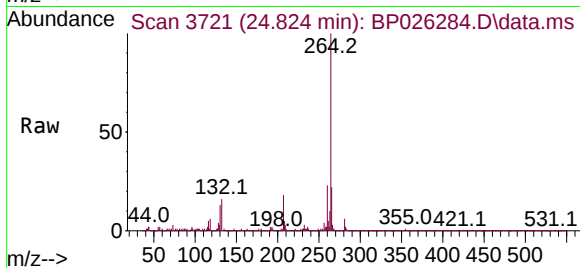
Tgt Ion:264 Resp: 1322877

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.731 ng

RT: 28.571 min Scan# 4358

Delta R.T. -0.012 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

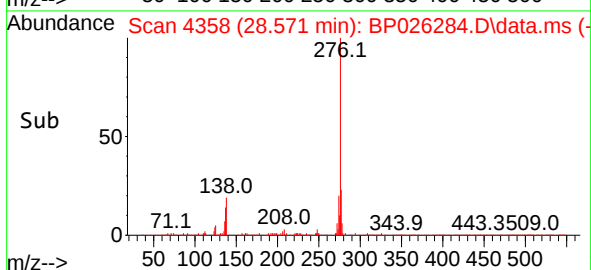
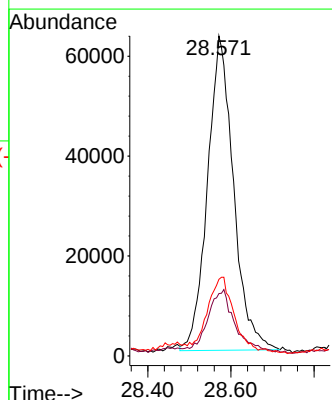
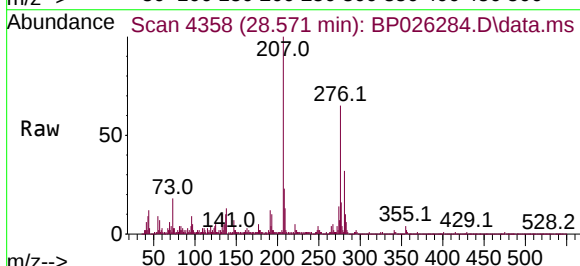
Tgt Ion:276 Resp: 273054

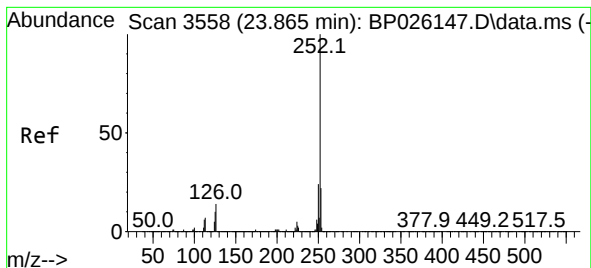
Ion Ratio Lower Upper

276 100

138 20.2 13.8 20.8

277 22.2 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 6.641 ng

RT: 23.795 min Scan# 3546

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

TP-14

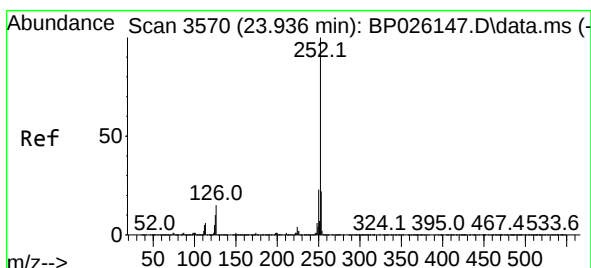
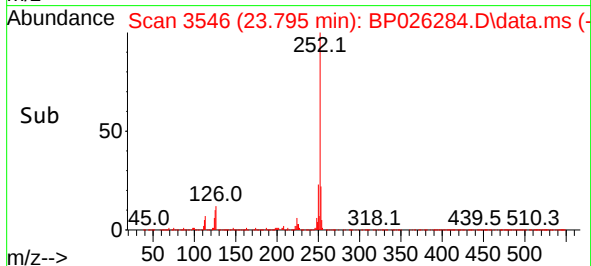
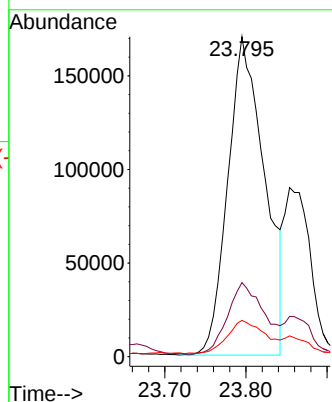
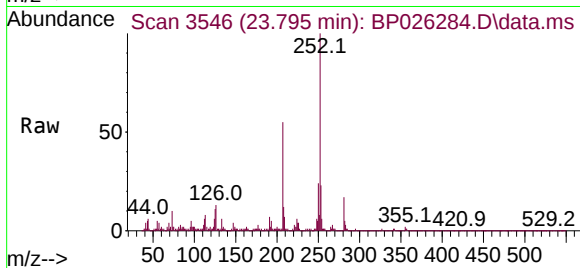
Tgt Ion:252 Resp: 533961

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.3 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 2.486 ng

RT: 23.854 min Scan# 3556

Delta R.T. -0.012 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

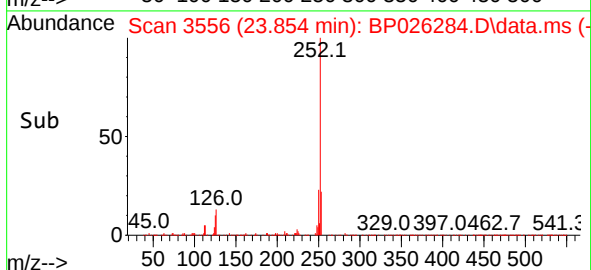
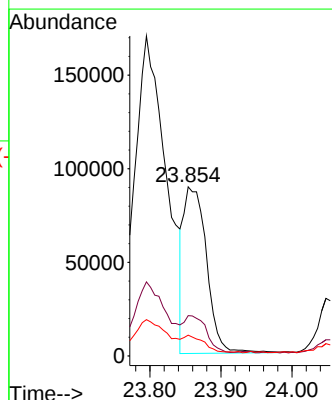
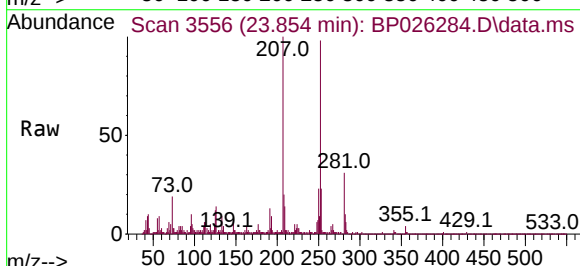
Tgt Ion:252 Resp: 199915

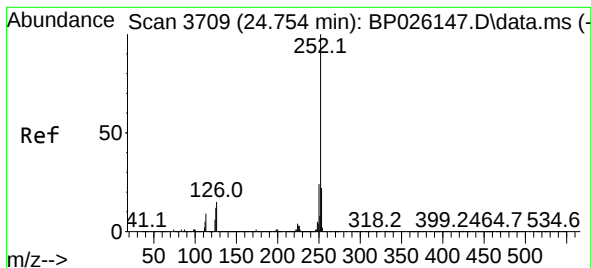
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 12.2 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 5.193 ng

RT: 24.683 min Scan# 30

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

TP-14

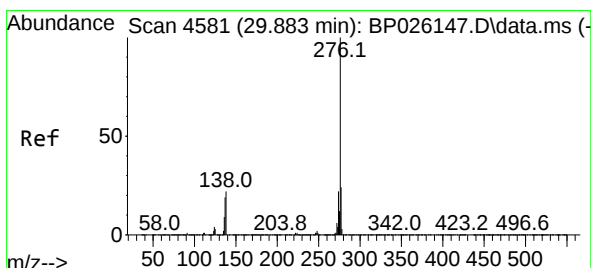
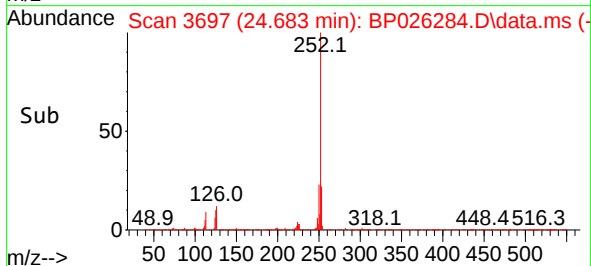
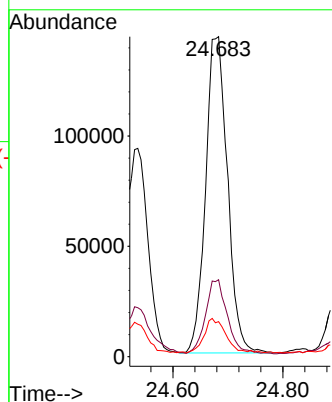
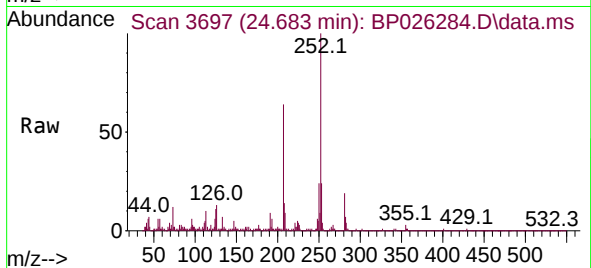
Tgt Ion:252 Resp: 395891

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 10.9 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 3.335 ng

RT: 29.724 min Scan# 4554

Delta R.T. -0.024 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Tgt Ion:276 Resp: 271831

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 21.8 17.8 26.6

