

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 :

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)

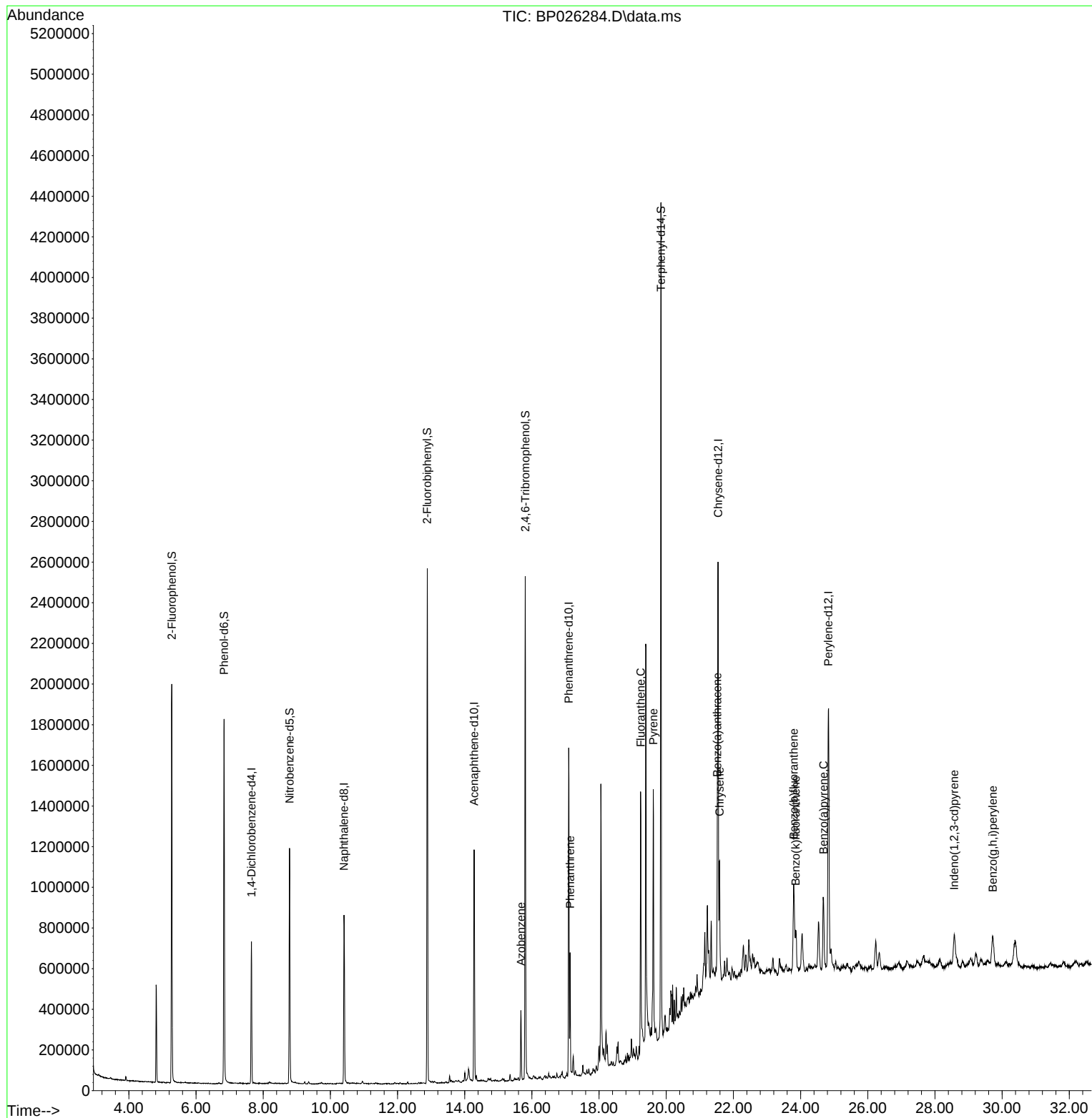
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	193074	20.000	ng	0.00
21) Naphthalene-d8	10.407	136	748657	20.000	ng	-0.01
39) Acenaphthene-d10	14.278	164	478114	20.000	ng	-0.01
64) Phenanthrene-d10	17.095	188	959786	20.000	ng	0.00
76) Chrysene-d12	21.542	240	1114999	20.000	ng	0.00
86) Perylene-d12	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
63) Azobenzene	15.672	77	101639	3.383	ng	# 1
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

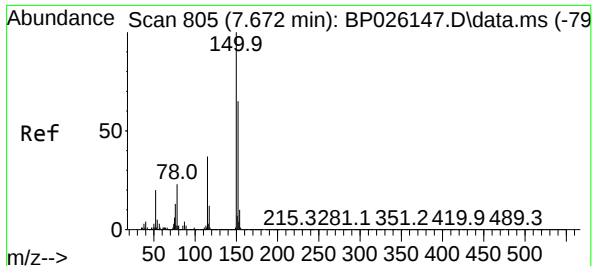
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121025\
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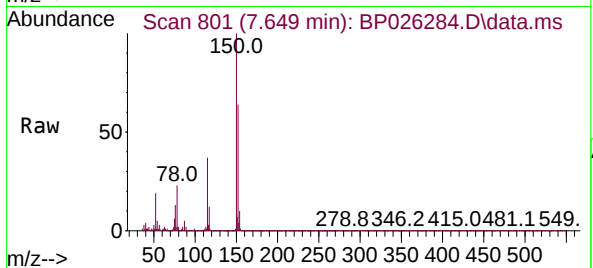
Quant Time: Dec 11 03:08:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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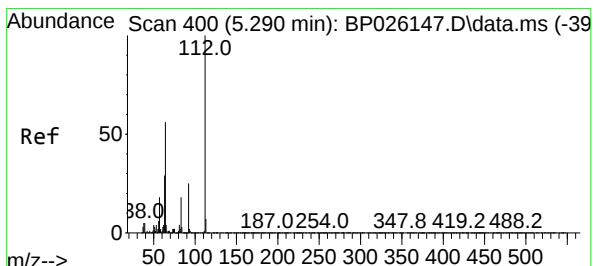
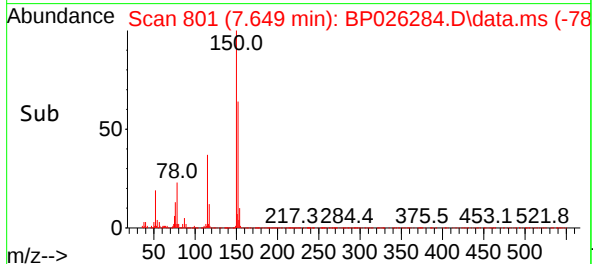
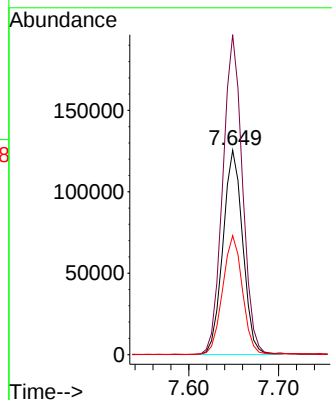


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 805
Delta R.T. -0.006 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Instrument :
BNA_P
ClientSampleId :

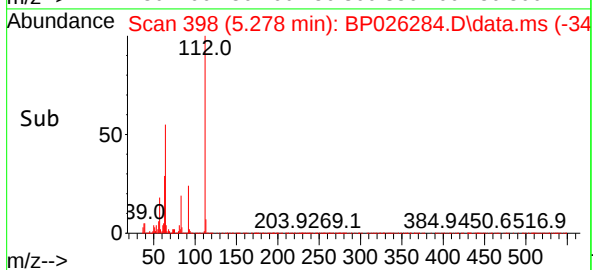
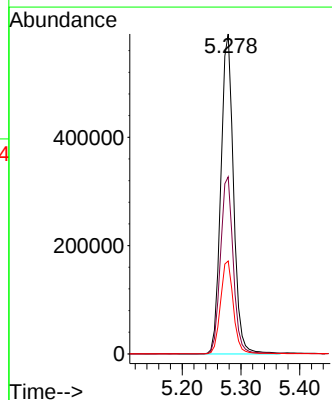
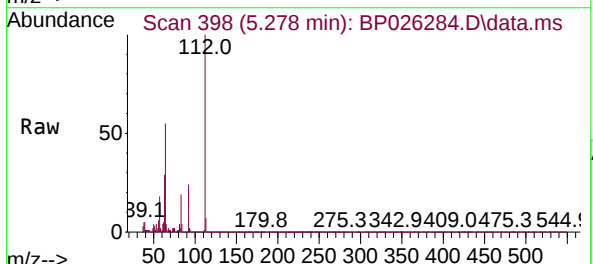


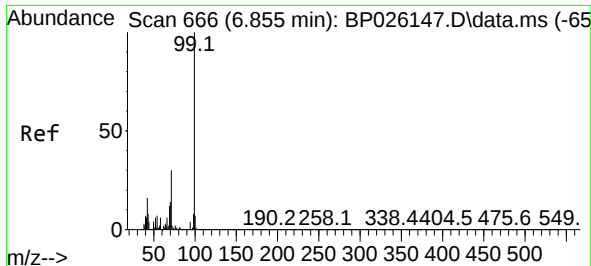
Tgt Ion:152 Resp: 193074
Ion Ratio Lower Upper
152 100
150 156.6 123.0 184.6
115 58.2 46.3 69.5



#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

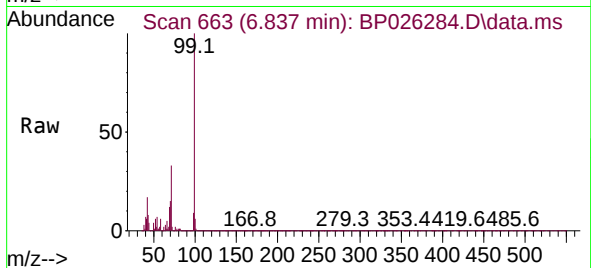
Tgt Ion:112 Resp: 883354
Ion Ratio Lower Upper
112 100
64 55.3 45.8 68.6
63 29.0 23.5 35.3





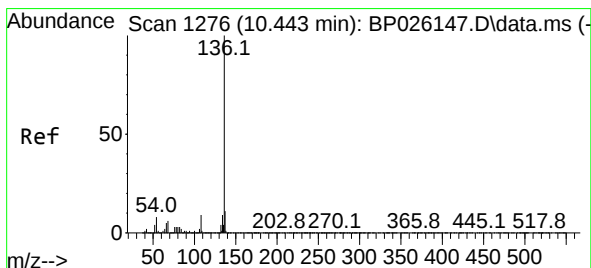
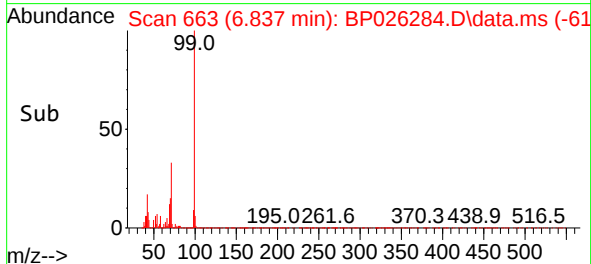
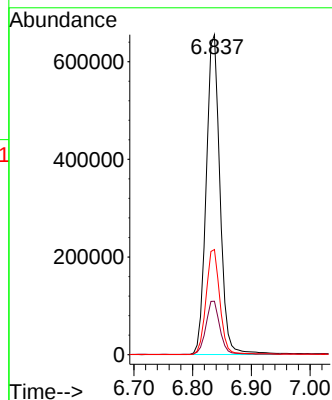
#7
Phenol-d6
Concen: 70.549 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

Instrument :
BNA_P
ClientSampleId :



Tgt Ion: 99 Resp: 1069461

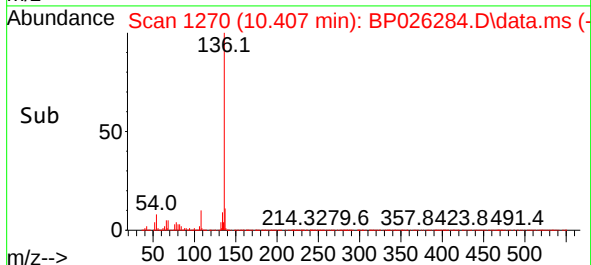
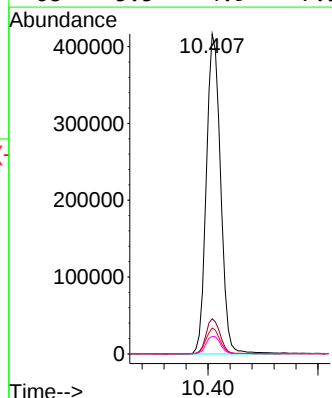
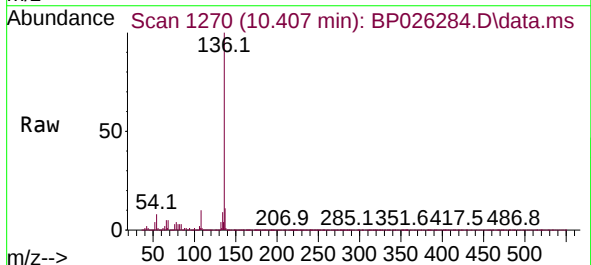
Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.9	19.3
71	32.8	24.8	37.2



#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

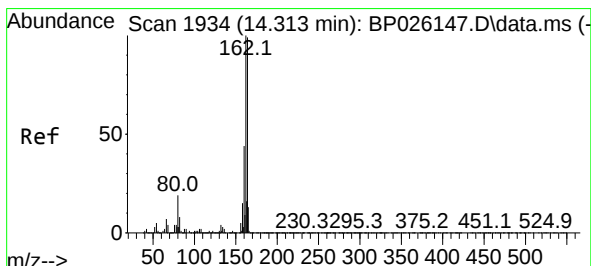
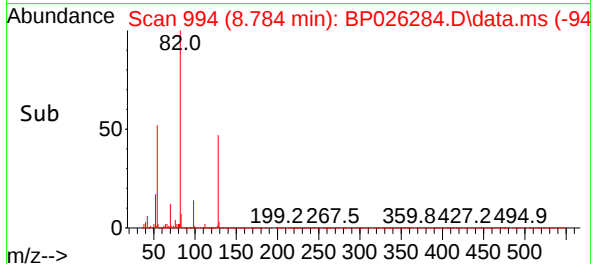
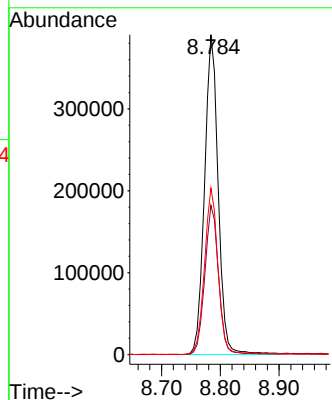
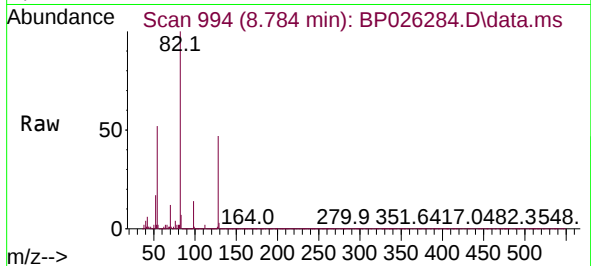




#23
Nitrobenzene-d5
Concen: 47.932 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

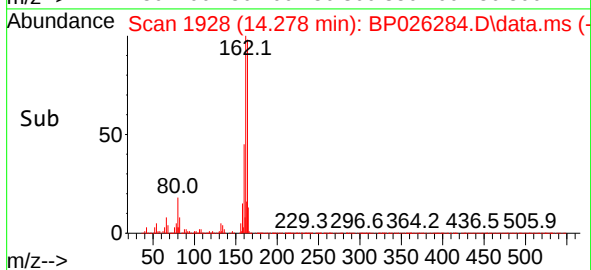
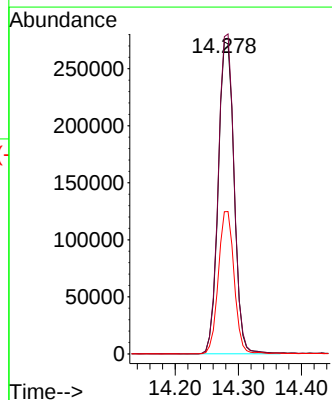
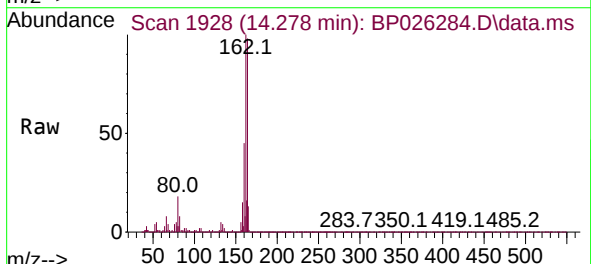
Instrument :
BNA_P
ClientSampleId :

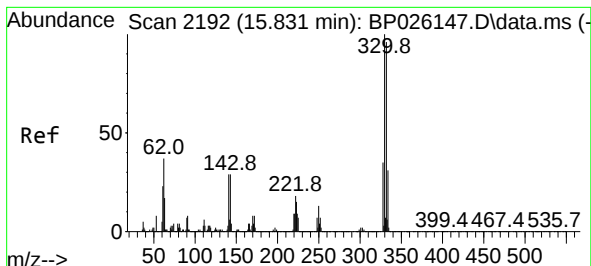
Tgt Ion: 82 Resp: 630431
Ion Ratio Lower Upper
82 100
128 46.6 37.4 56.0
54 52.1 41.6 62.4



#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 :

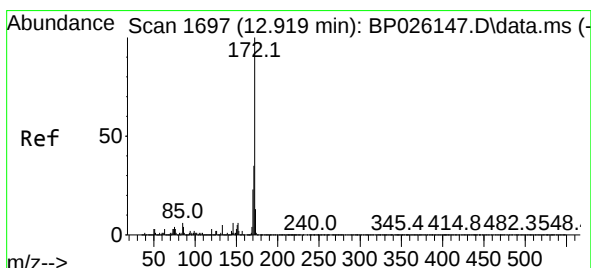
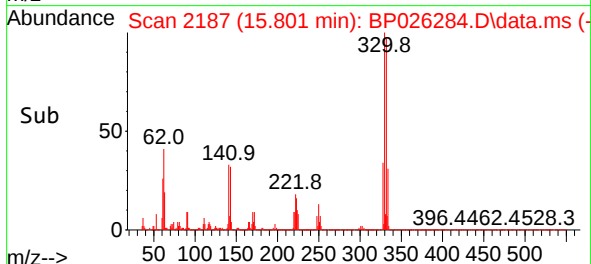
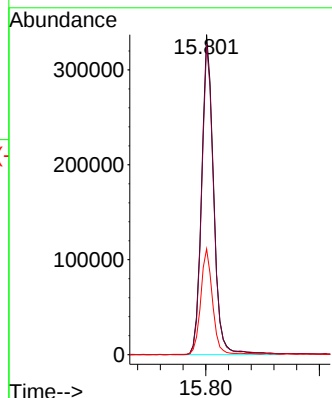
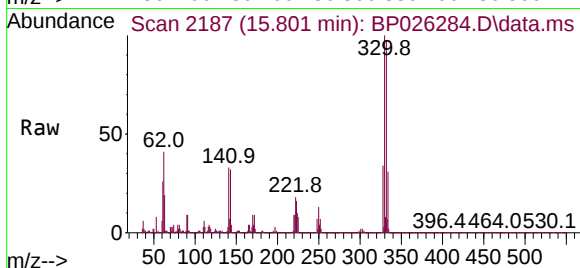
Tgt Ion:330 Resp: 493953

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

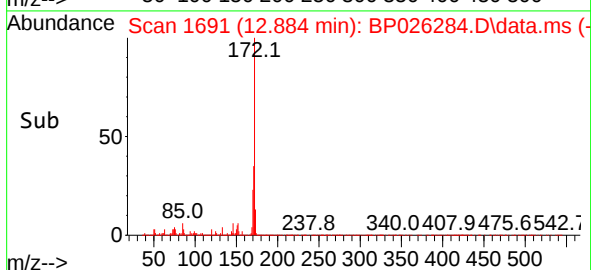
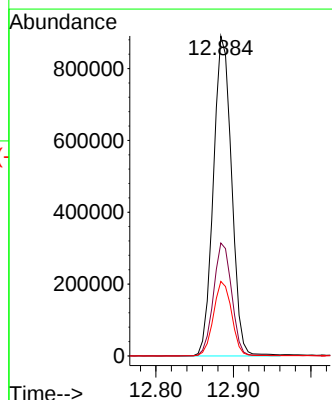
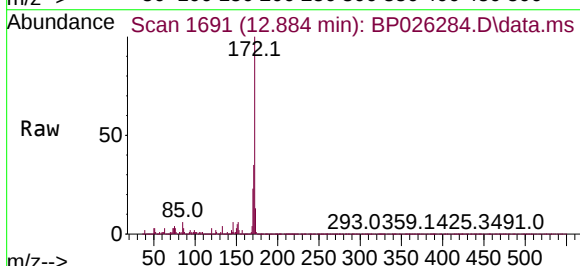
Tgt Ion:172 Resp: 1452935

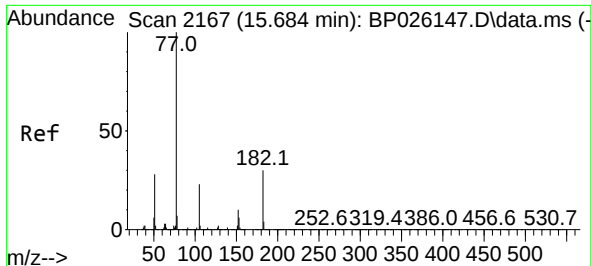
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.7 28.1

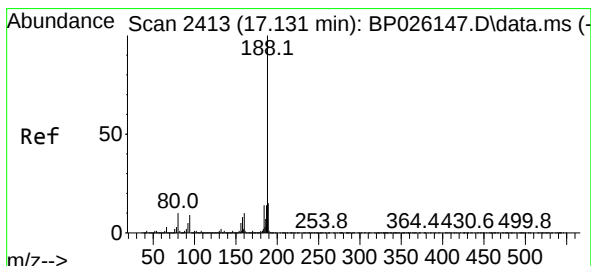
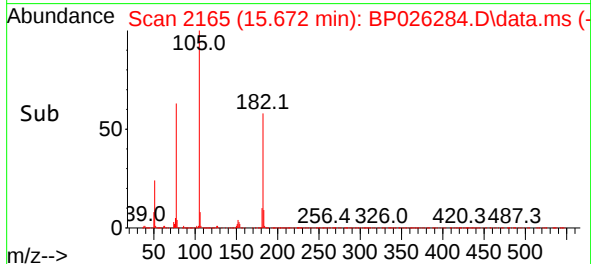
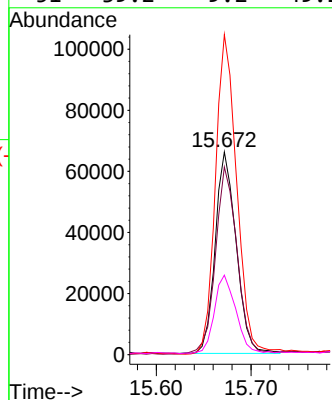
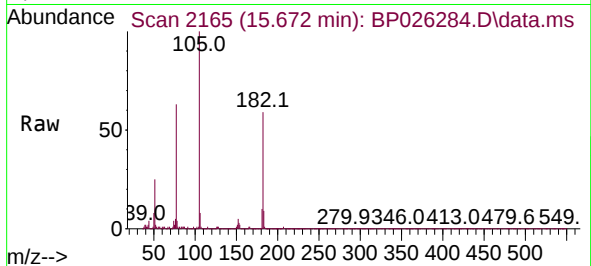




#63
Azobenzene
Concen: 3.383 ng
RT: 15.672 min Scan# 2167
Delta R.T. 0.018 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

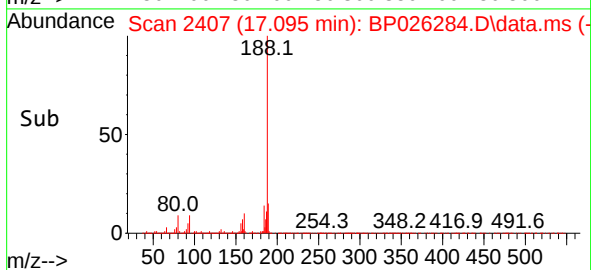
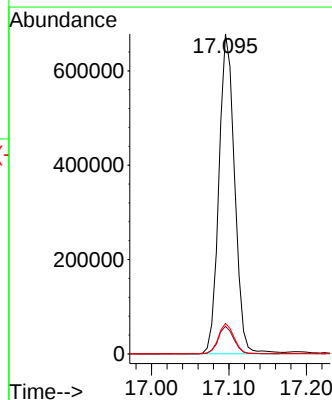
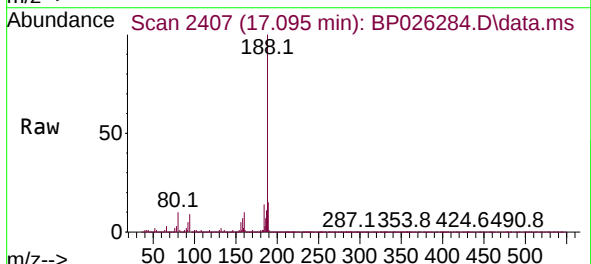
Instrument :
BNA_P
ClientSampleId :

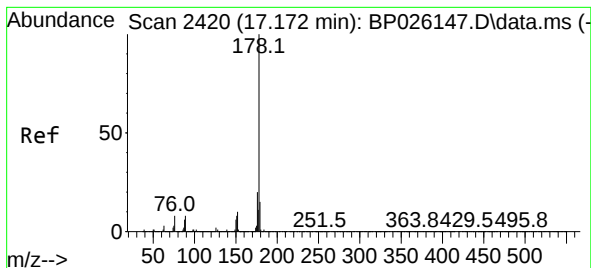
Tgt Ion: 77	Resp: 101639
Ion Ratio	Lower Upper
77 100	
182 92.6	8.8 48.8#
105 157.9	2.6 42.6#
51 39.2	9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

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# 24

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

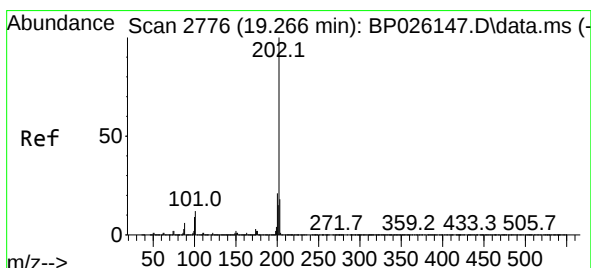
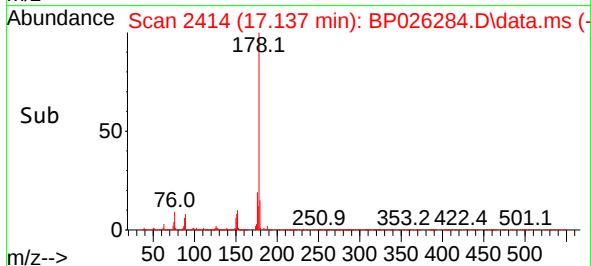
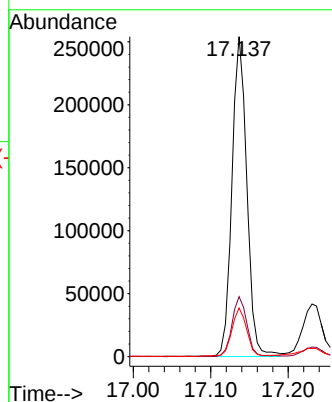
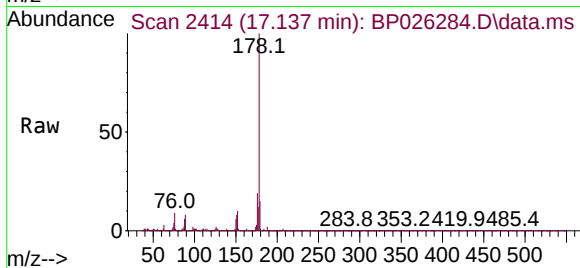
Tgt Ion:178 Resp: 339373

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# 2771

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

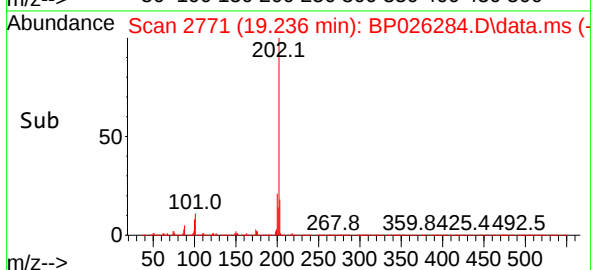
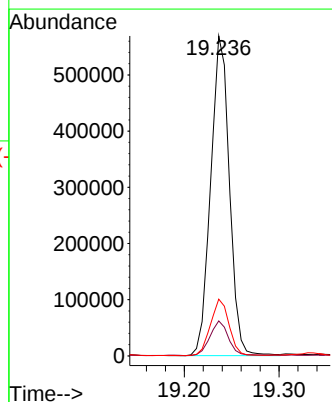
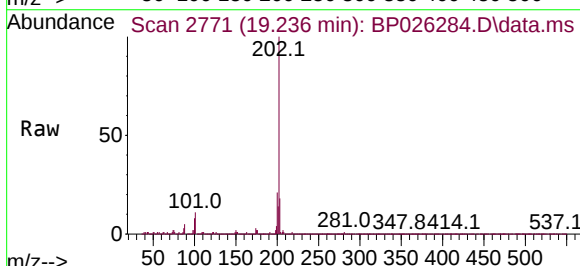
Tgt Ion:202 Resp: 783200

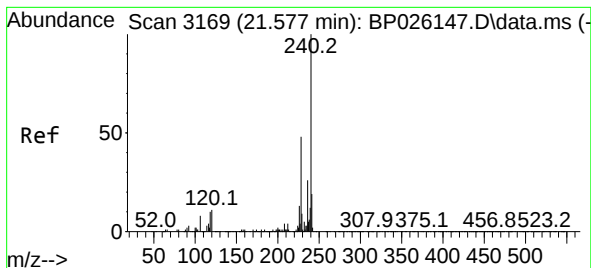
Ion Ratio Lower Upper

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# 31

Delta R.T. 0.006 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

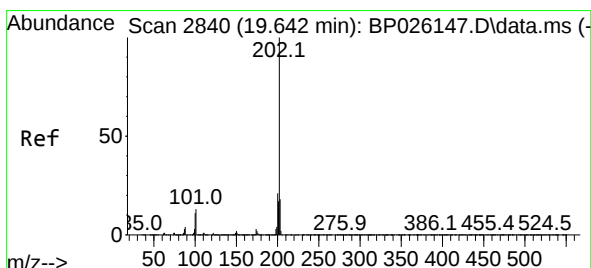
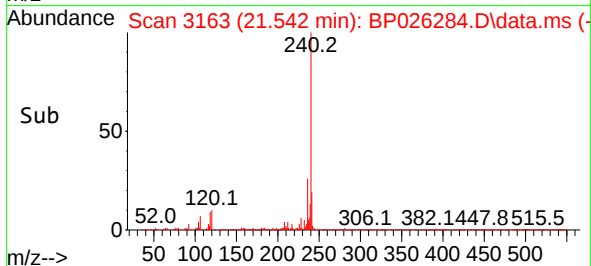
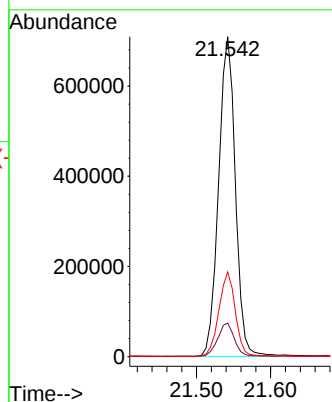
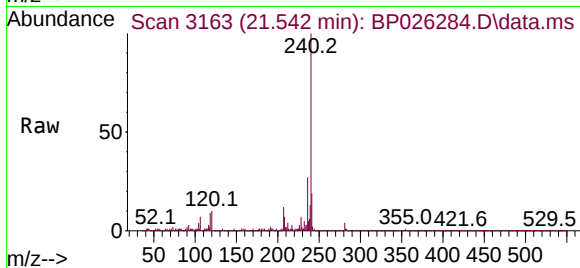
Tgt Ion:240 Resp: 1114999

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

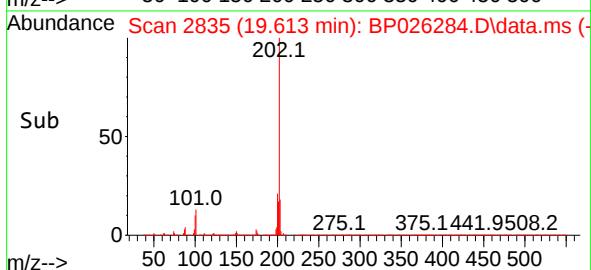
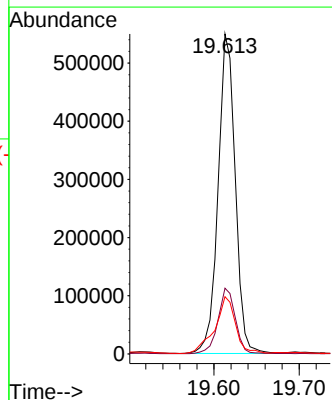
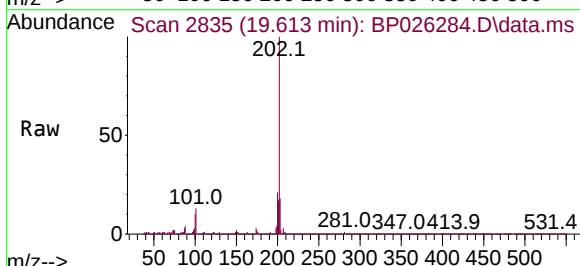
Tgt Ion:202 Resp: 768979

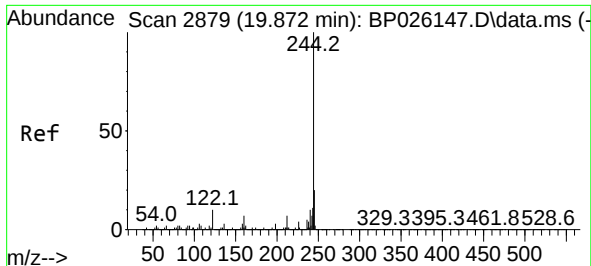
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

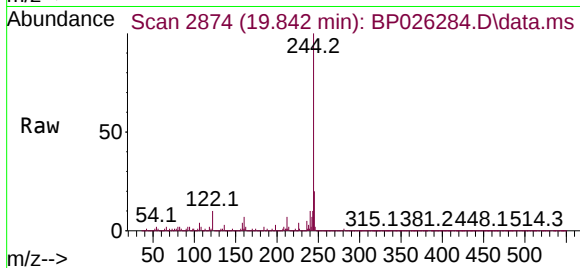
203 17.9 13.8 20.8



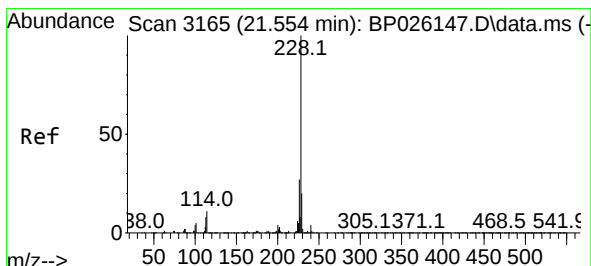
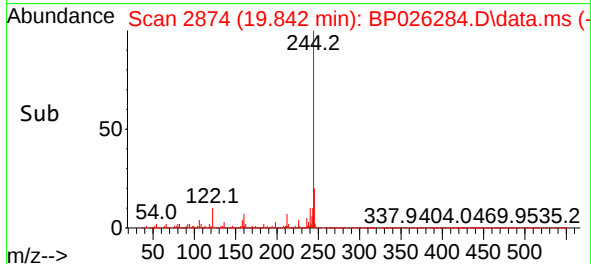
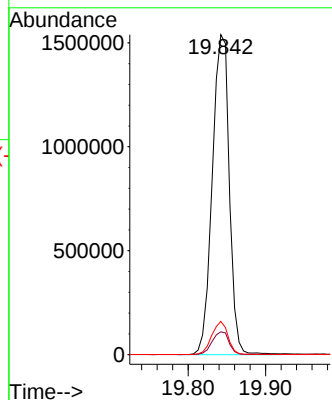


#79
 Terphenyl-d14
 Concen: 43.098 ng
 RT: 19.842 min Scan# 2879
 Delta R.T. 0.006 min
 Lab File: BP026284.D
 Acq: 10 Dec 2025 20:37

Instrument :
 BNA_P
 ClientSampleId :

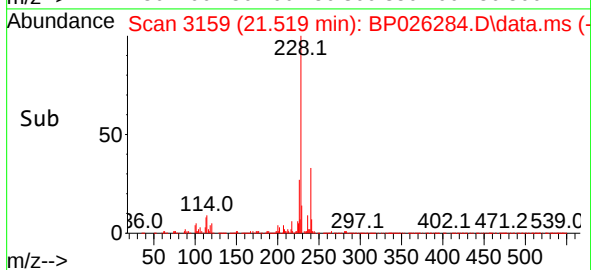
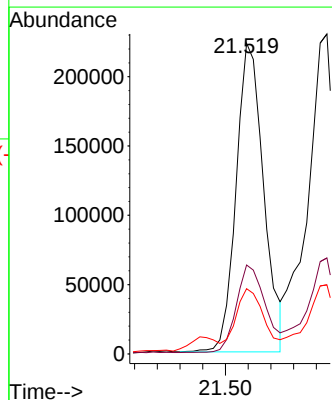
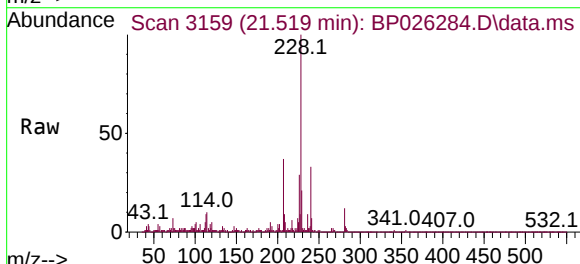


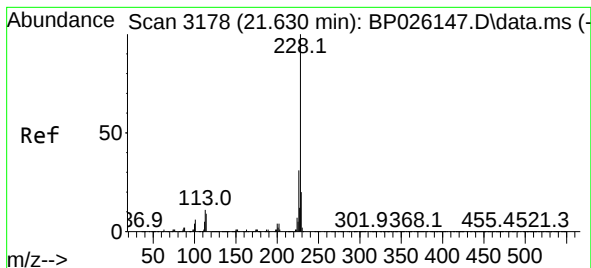
Tgt Ion:244 Resp: 2351066
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.4 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 4.901 ng
 RT: 21.519 min Scan# 3159
 Delta R.T. -0.000 min
 Lab File: BP026284.D
 Acq: 10 Dec 2025 20:37

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# 31

Delta R.T. 0.006 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

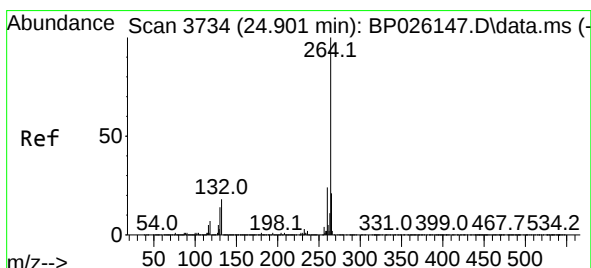
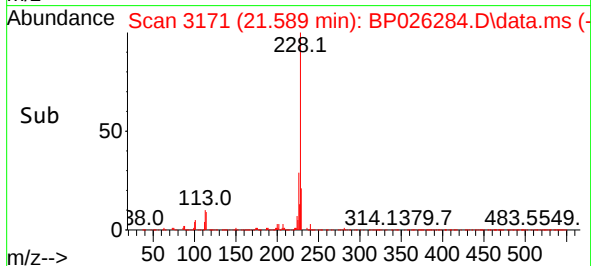
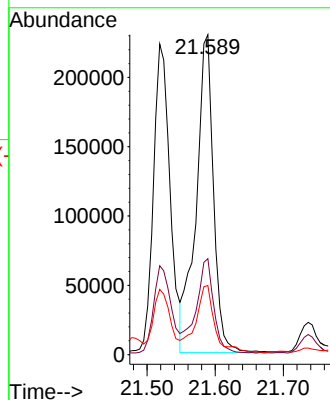
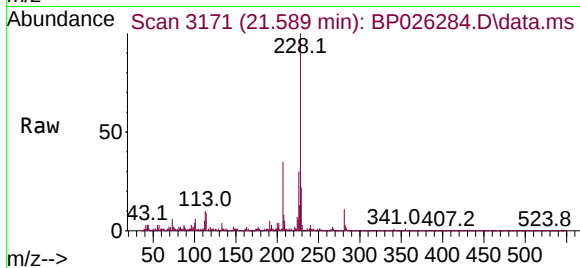
Tgt Ion:228 Resp: 410322

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# 3721

Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

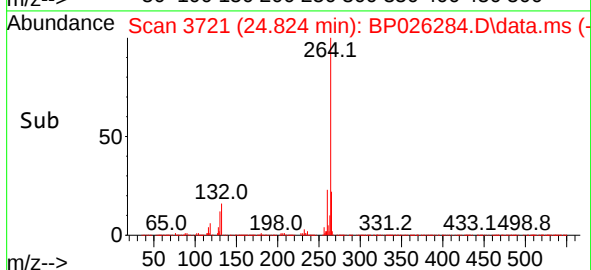
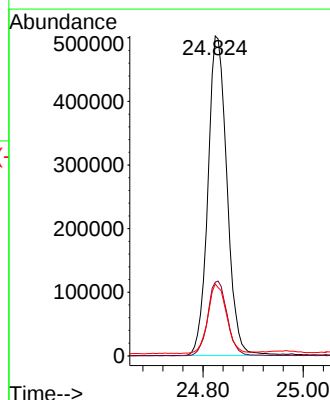
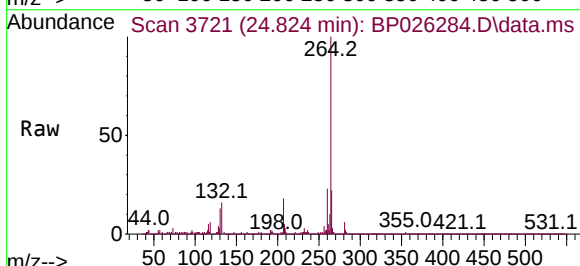
Tgt Ion:264 Resp: 1322877

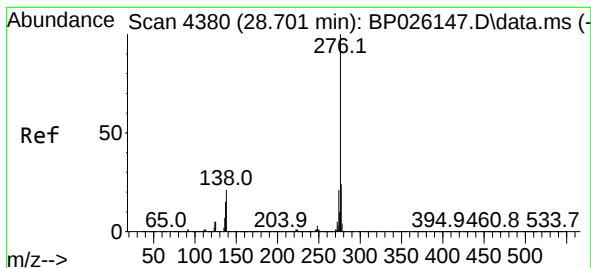
Ion Ratio Lower Upper

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# 4380

Delta R.T. -0.012 min

Lab File: BP026284.D

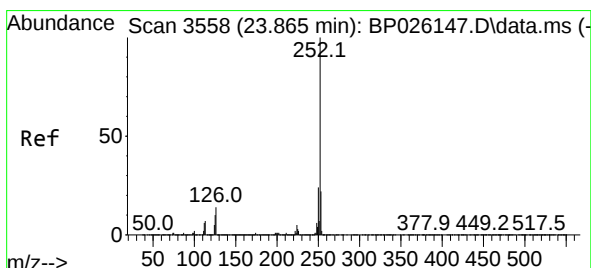
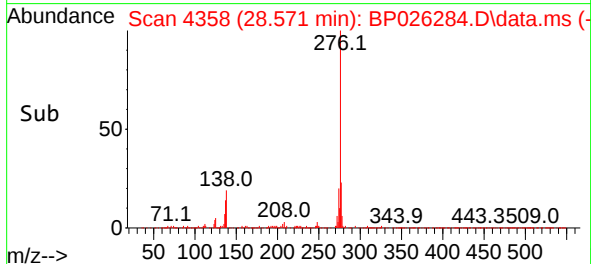
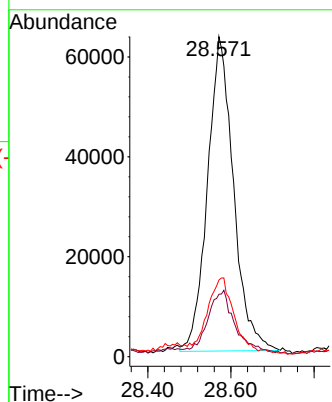
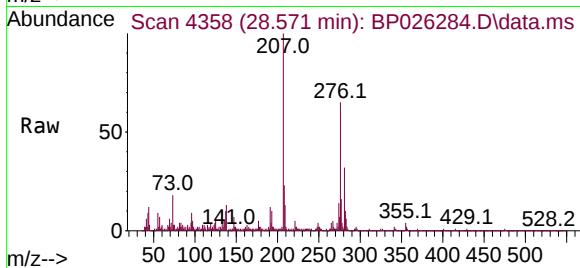
Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :

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

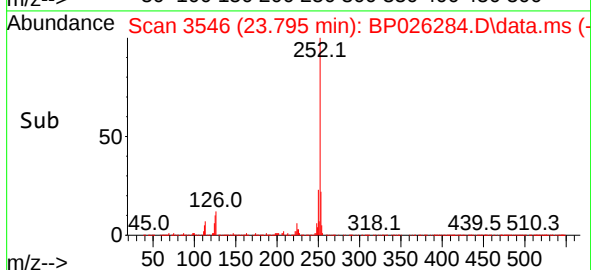
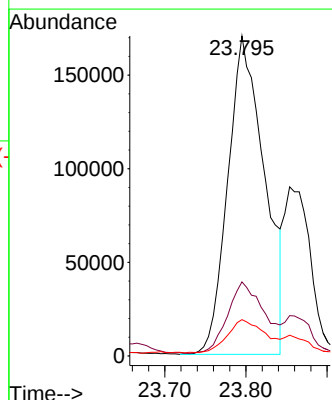
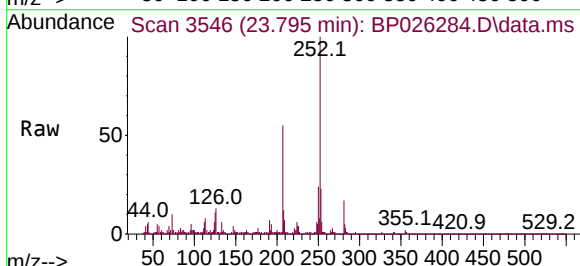
RT: 23.795 min Scan# 3546

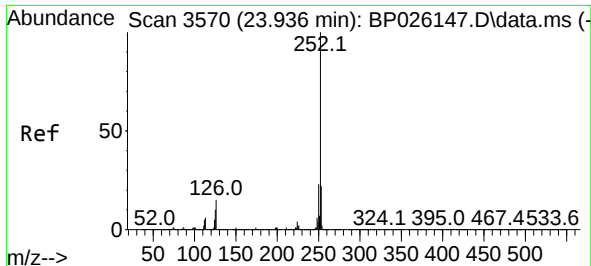
Delta R.T. -0.000 min

Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

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

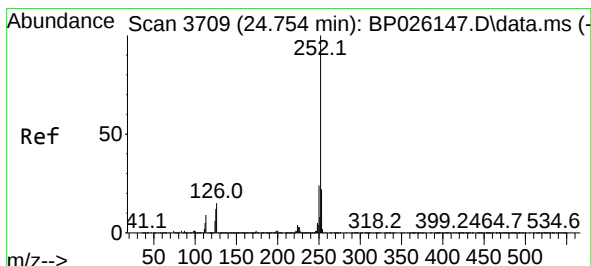
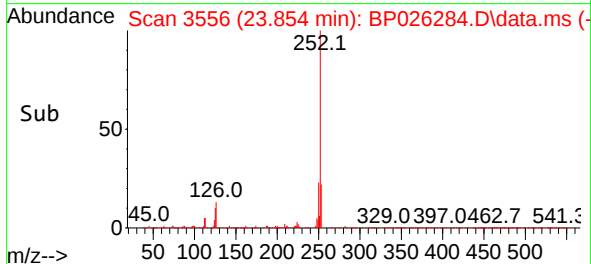
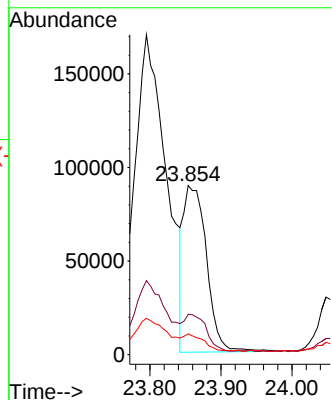
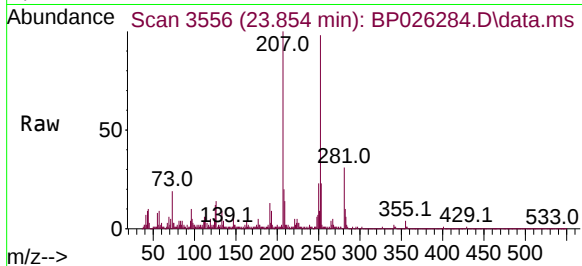




#89
Benzo(k)fluoranthene
Concen: 2.486 ng
RT: 23.854 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

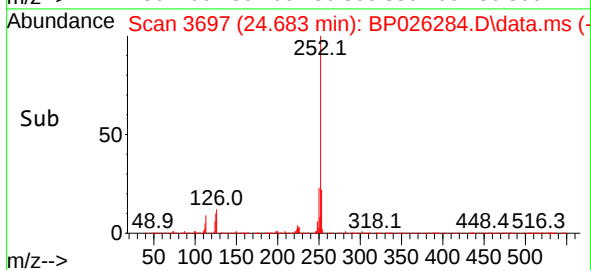
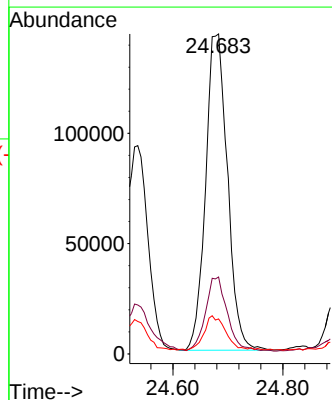
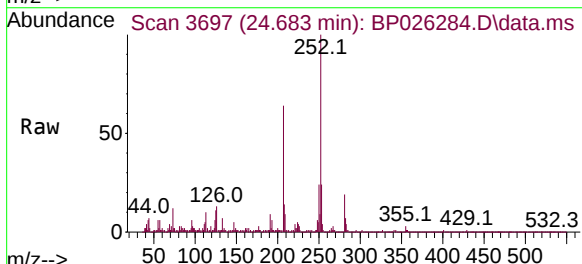
Instrument :
BNA_P
ClientSampleId :

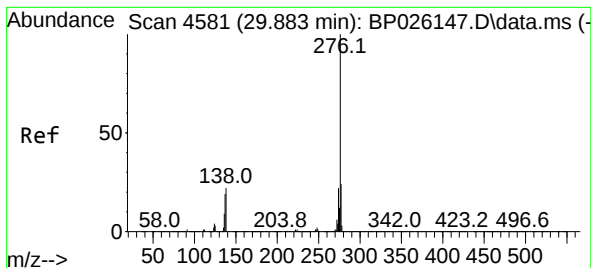
Tgt Ion:252 Resp: 199915
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 12.2 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 5.193 ng
RT: 24.683 min Scan# 3697
Delta R.T. -0.000 min
Lab File: BP026284.D
Acq: 10 Dec 2025 20:37

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

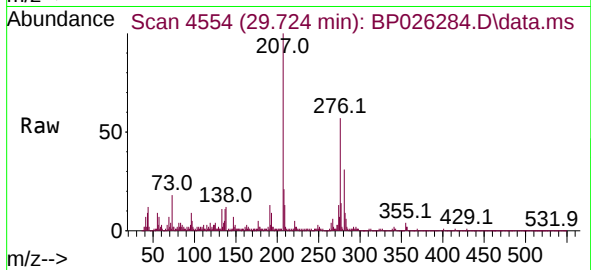
Lab File: BP026284.D

Acq: 10 Dec 2025 20:37

Instrument :

BNA_P

ClientSampleId :



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

