

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
 Data File : BP026318.D
 Acq On : 12 Dec 2025 20:29
 Operator : RC/JU
 Sample : Q3839-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AN7

Quant Time: Dec 15 02:19:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 01:38:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

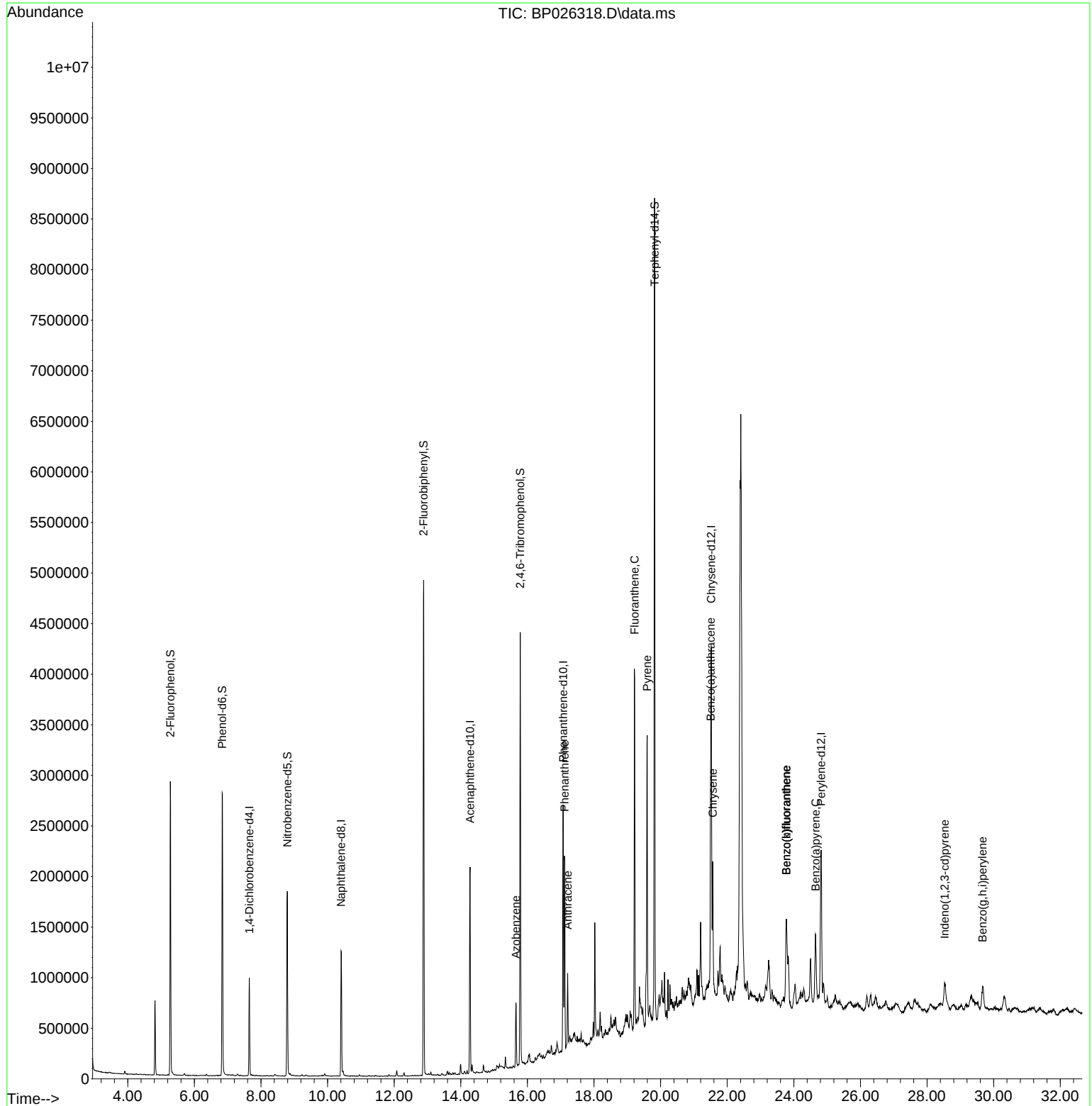
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	271191	20.000	ng	-0.02
21) Naphthalene-d8	10.407	136	1130143	20.000	ng	-0.04
39) Acenaphthene-d10	14.278	164	780544	20.000	ng	-0.04
64) Phenanthrene-d10	17.072	188	1587285	20.000	ng	-0.06
76) Chrysene-d12	21.519	240	1700063	20.000	ng	-0.06
86) Perylene-d12	24.818	264	1644191	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	1361660	80.723	ng	-0.01
7) Phenol-d6	6.837	99	1732468	81.365	ng	-0.02
23) Nitrobenzene-d5	8.790	82	1058516	53.313	ng	-0.02
42) 2,4,6-Tribromophenol	15.784	330	928390	91.461	ng	-0.05
45) 2-Fluorobiphenyl	12.884	172	2811736	52.373	ng	-0.04
79) Terphenyl-d14	19.819	244	4494881	54.040	ng	-0.05
Target Compounds						Qvalue
63) Azobenzene	15.654	77	188839	3.850	ng	# 1
71) Phenanthrene	17.113	178	1292838	14.448	ng	99
72) Anthracene	17.207	178	431890	4.739	ng	99
75) Fluoranthene	19.219	202	2326599	21.364	ng	98
78) Pyrene	19.595	202	1943466	17.543	ng	99
81) Benzo(a)anthracene	21.501	228	1132165	9.708	ng	99
83) Chrysene	21.566	228	1017717	9.217	ng	98
87) Indeno(1,2,3-cd)pyrene	28.524	276	442459	3.561	ng	93
88) Benzo(b)fluoranthene	23.777	252	1119384	11.202	ng	99
89) Benzo(k)fluoranthene	23.777	252	1119384	11.199	ng	98
90) Benzo(a)pyrene	24.654	252	760323	8.024	ng	98
92) Benzo(g,h,i)perylene	29.665	276	404825	3.995	ng	96

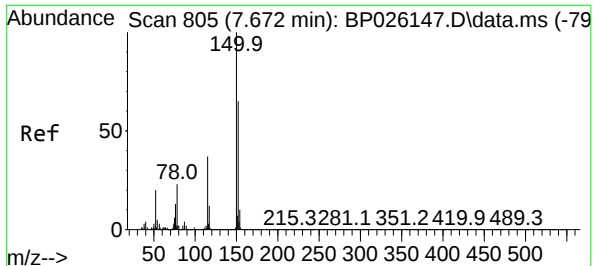
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
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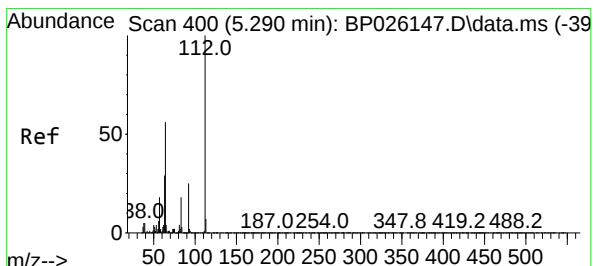
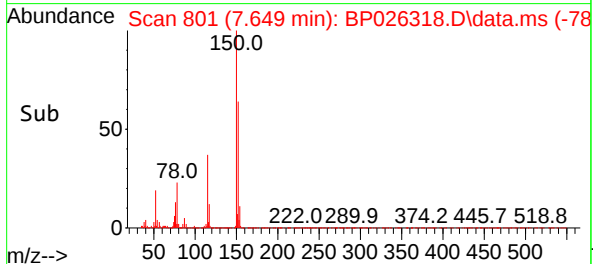
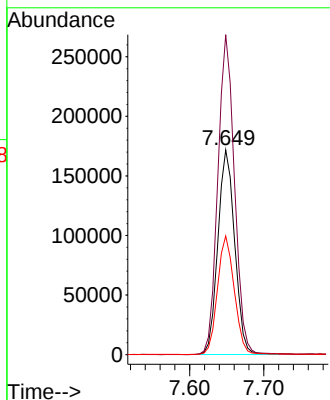
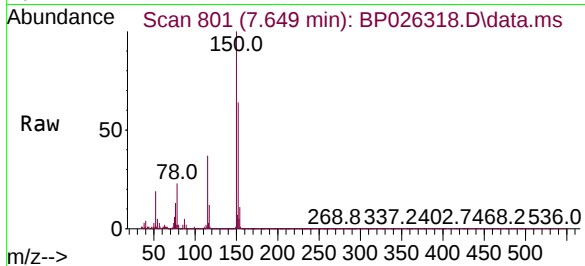




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 805
Delta R.T. -0.023 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

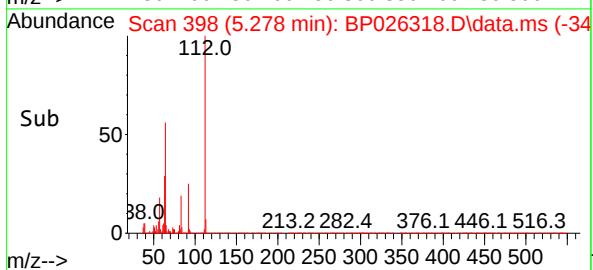
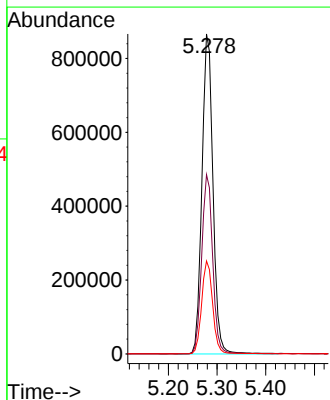
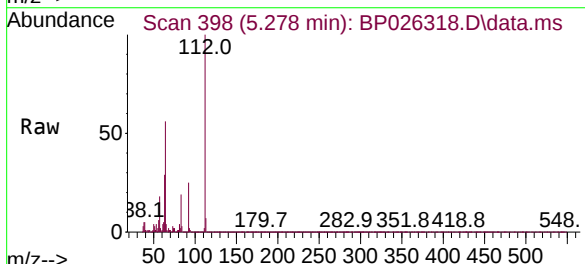
Instrument :
BNA_P
ClientSampleId :
COAN7

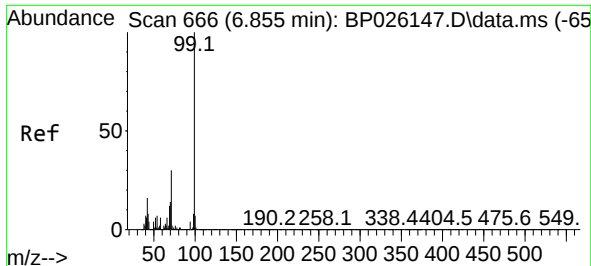
Tgt Ion:152 Resp: 271191
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 58.0 46.3 69.5



#5
2-Fluorophenol
Concen: 80.723 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.012 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Tgt Ion:112 Resp: 1361660
Ion Ratio Lower Upper
112 100
64 56.0 45.8 68.6
63 29.0 23.5 35.3

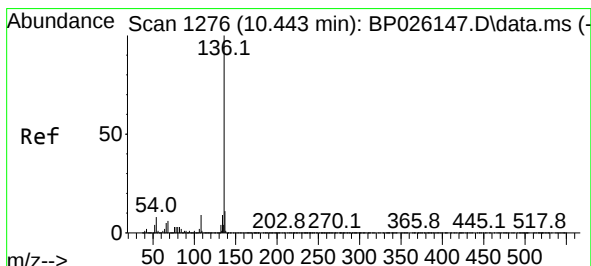
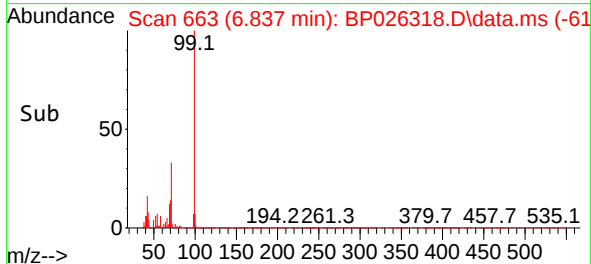
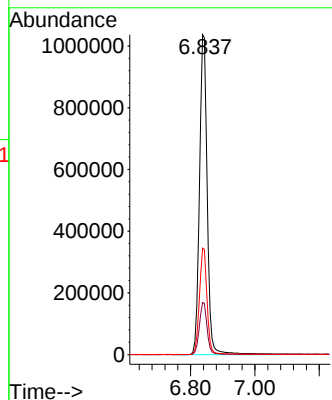
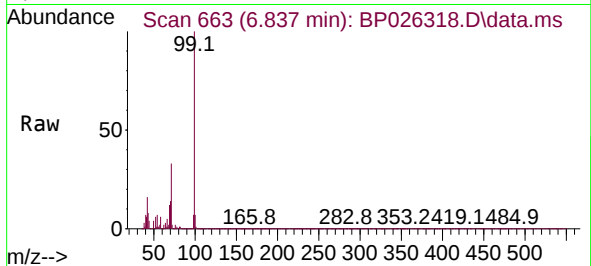




#7
Phenol-d6
Concen: 81.365 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.018 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

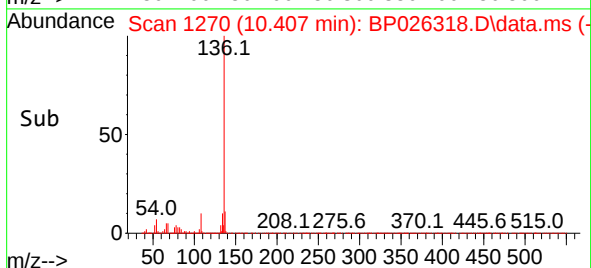
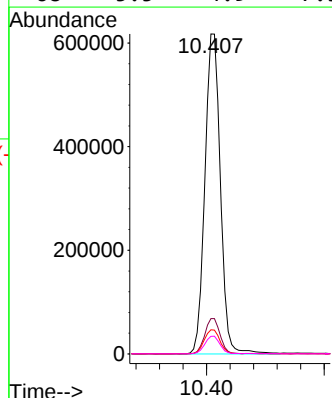
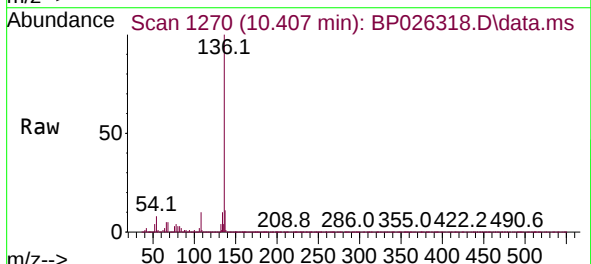
Instrument :
BNA_P
ClientSampleId :
COAN7

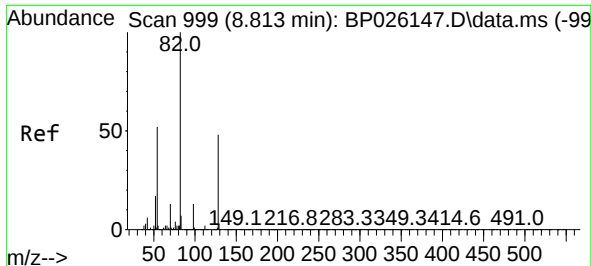
Tgt Ion: 99 Resp: 1732468
Ion Ratio Lower Upper
99 100
42 16.3 12.9 19.3
71 33.3 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.035 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Tgt Ion:136 Resp: 1130143
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 6.4 9.6
68 5.5 4.9 7.3

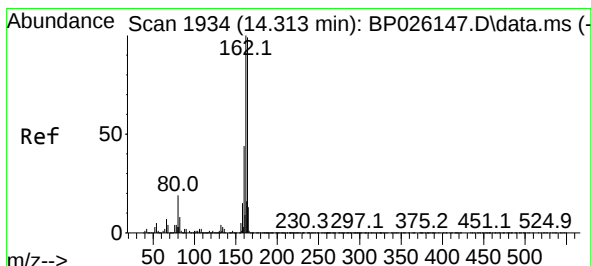
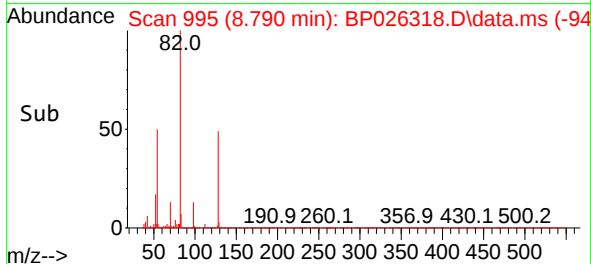
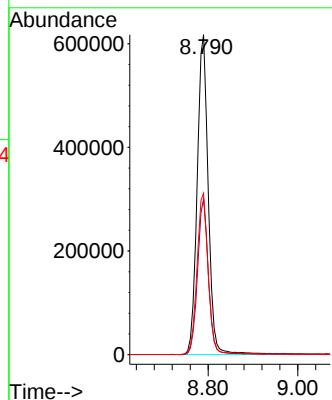
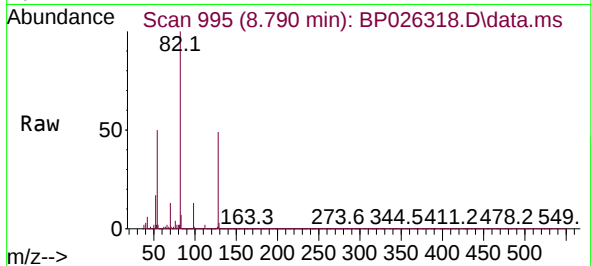




#23
Nitrobenzene-d5
Concen: 53.313 ng
RT: 8.790 min Scan# 999
Delta R.T. -0.024 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

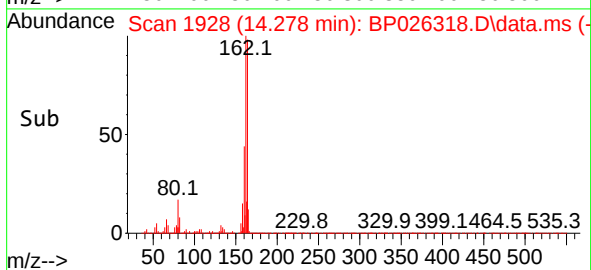
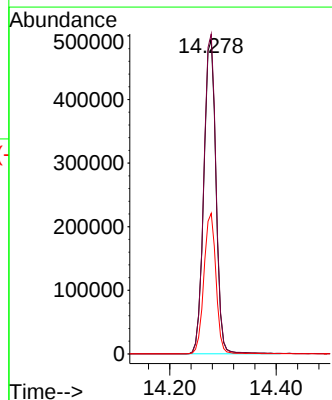
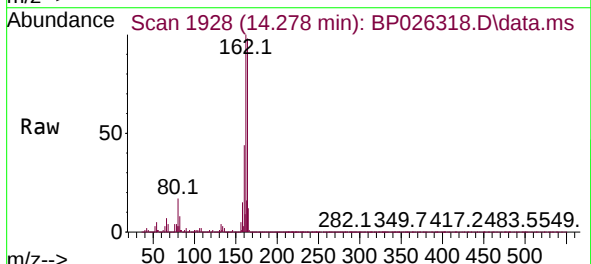
Instrument :
BNA_P
ClientSampleId :
COAN7

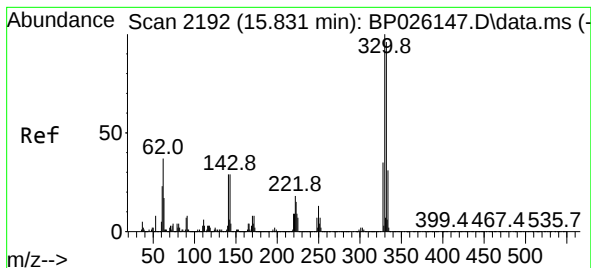
Tgt Ion: 82 Resp: 1058516
Ion Ratio Lower Upper
82 100
128 48.6 37.4 56.0
54 50.4 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.035 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Tgt Ion: 164 Resp: 780544
Ion Ratio Lower Upper
164 100
162 102.0 80.3 120.5
160 44.8 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 91.461 ng

RT: 15.784 min Scan# 21

Delta R.T. -0.047 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

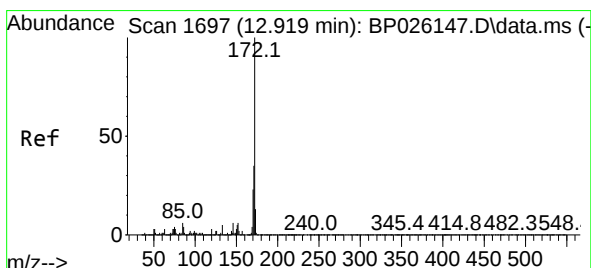
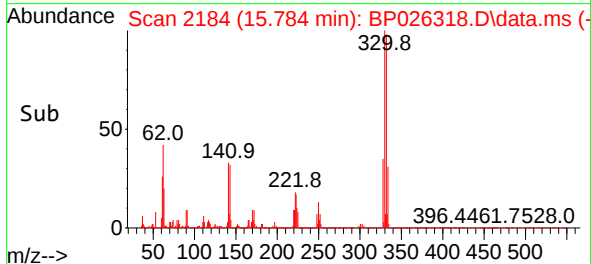
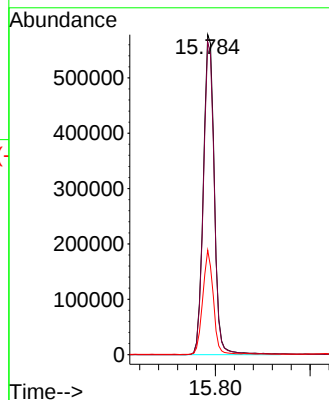
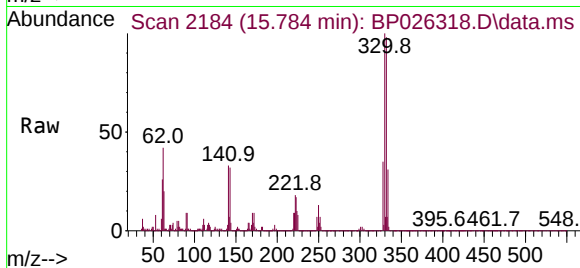
Tgt Ion:330 Resp: 928390

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 31.3 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 52.373 ng

RT: 12.884 min Scan# 1691

Delta R.T. -0.035 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

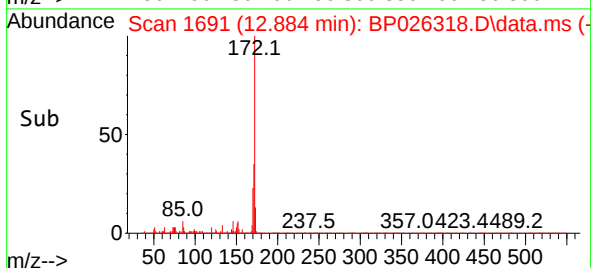
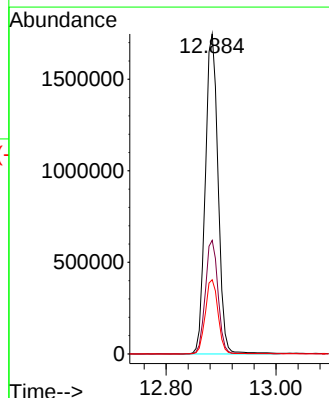
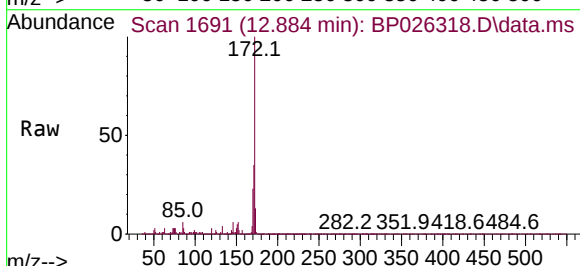
Tgt Ion:172 Resp: 2811736

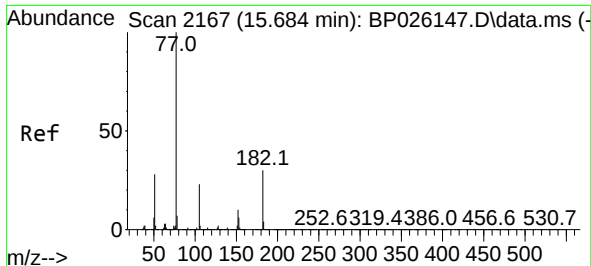
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.2 18.7 28.1

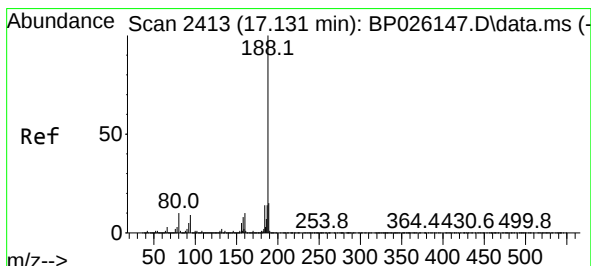
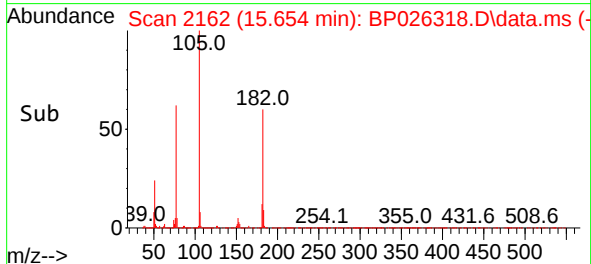
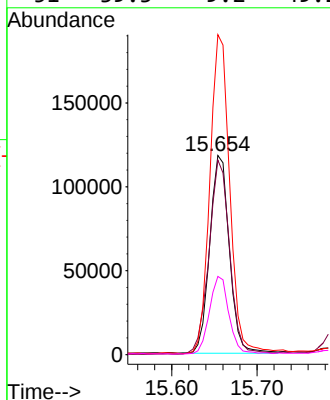
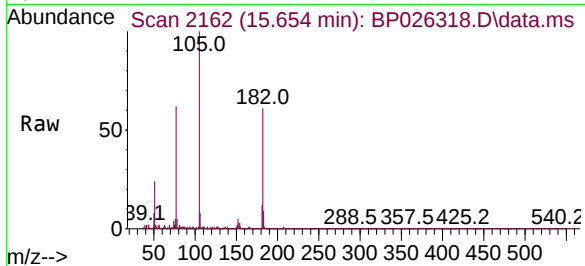




#63
Azobenzene
Concen: 3.850 ng
RT: 15.654 min Scan# 2167
Delta R.T. -0.029 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

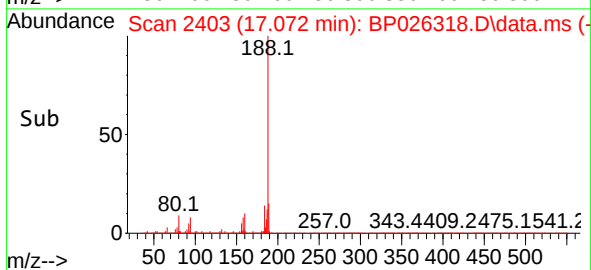
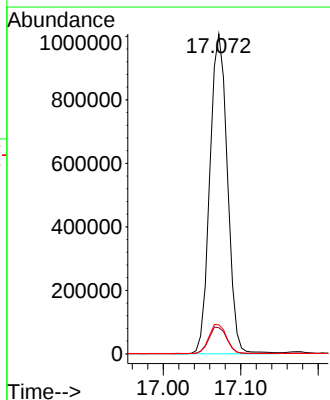
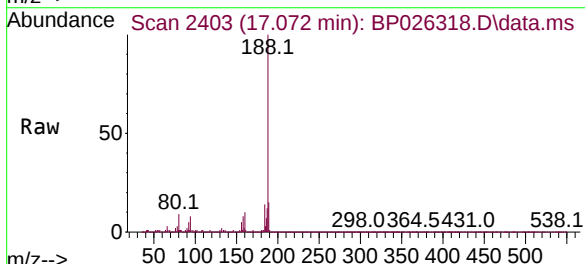
Instrument :
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C0AN7

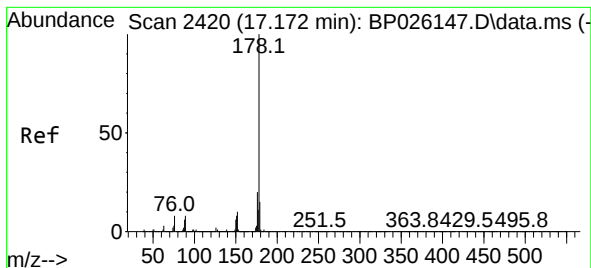
Tgt Ion: 77	Resp: 188839
Ion Ratio	Lower Upper
77 100	
182 97.7	8.8 48.8#
105 160.8	2.6 42.6#
51 39.3	9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. -0.059 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Tgt Ion:188	Resp: 1587285		
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.8	11.6
80	9.1	8.2	12.2





#71

Phenanthrene

Concen: 14.448 ng

RT: 17.113 min Scan# 2410

Delta R.T. -0.059 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

C0AN7

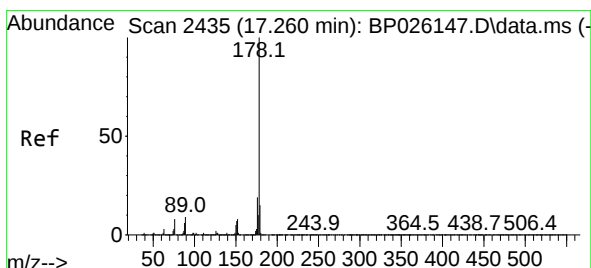
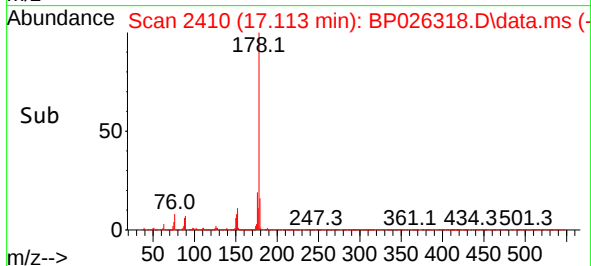
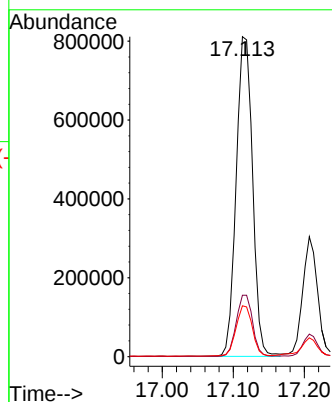
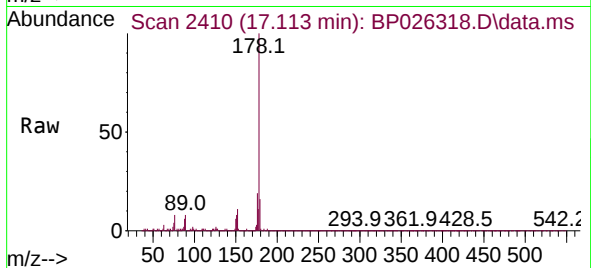
Tgt Ion:178 Resp: 1292838

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.9 12.4 18.6



#72

Anthracene

Concen: 4.739 ng

RT: 17.207 min Scan# 2426

Delta R.T. -0.053 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

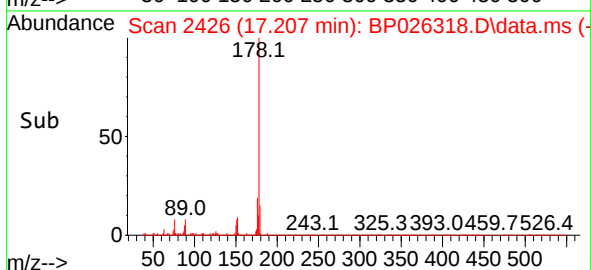
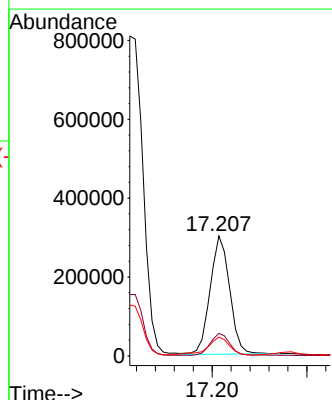
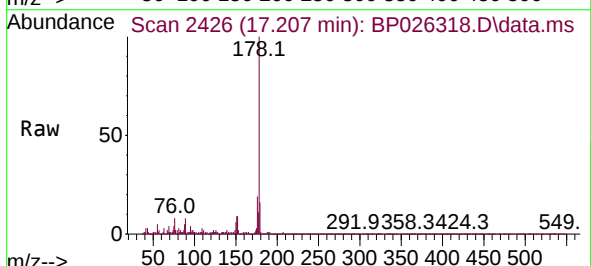
Tgt Ion:178 Resp: 431890

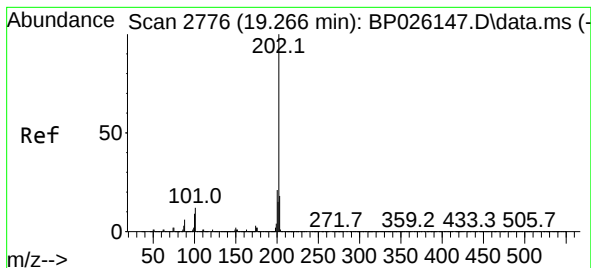
Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 15.7 12.2 18.4





#75

Fluoranthene

Concen: 21.364 ng

RT: 19.219 min Scan# 21

Delta R.T. -0.047 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

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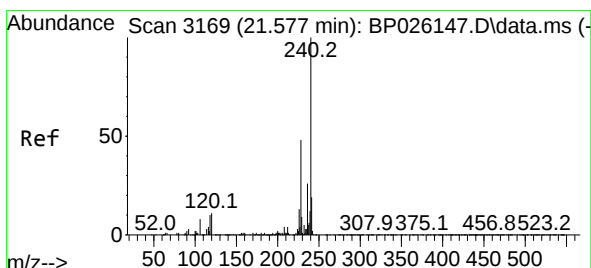
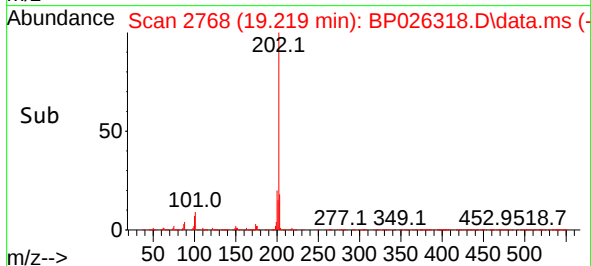
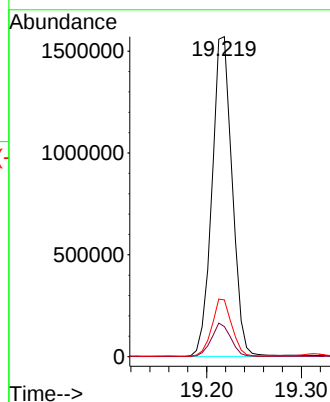
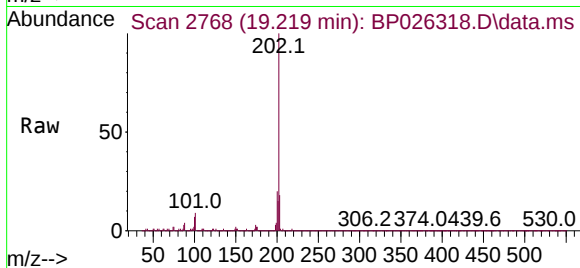
Tgt Ion:202 Resp: 2326599

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.2

203 17.7 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.519 min Scan# 3159

Delta R.T. -0.059 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

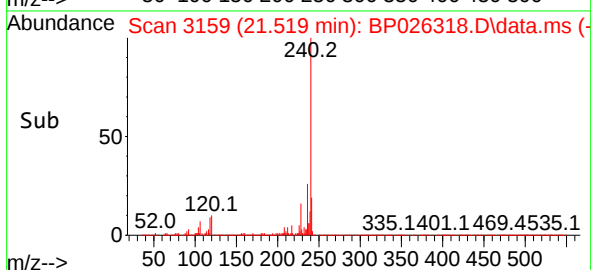
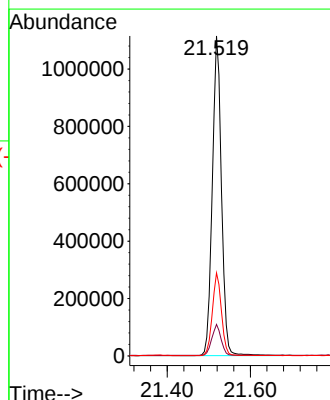
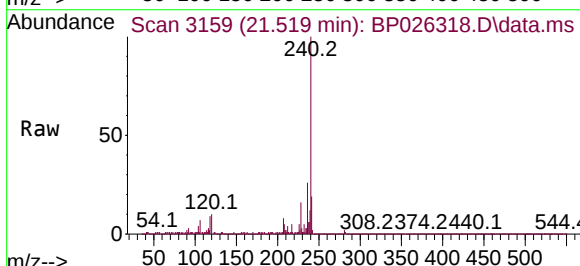
Tgt Ion:240 Resp: 1700063

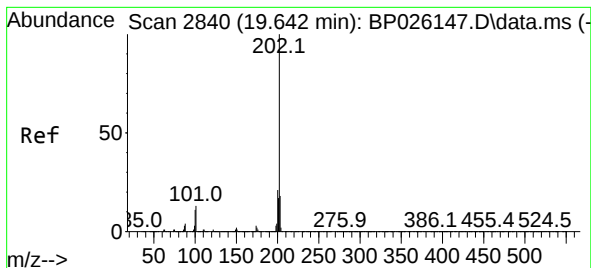
Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.4

236 25.9 20.4 30.6





#78

Pyrene

Concen: 17.543 ng

RT: 19.595 min Scan# 2832

Delta R.T. -0.047 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

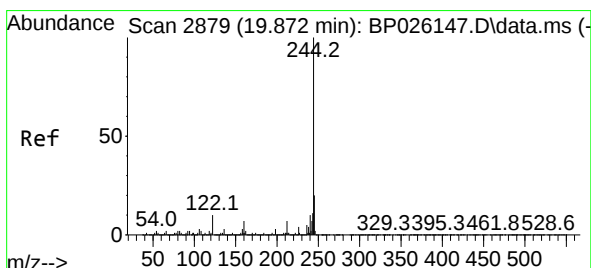
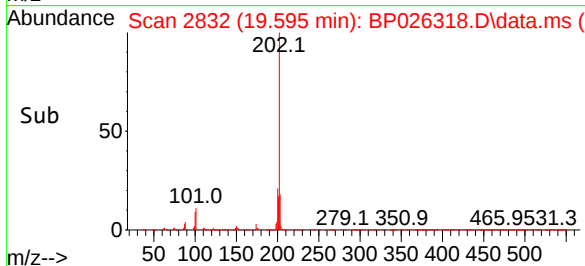
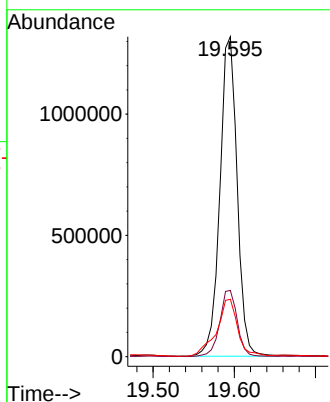
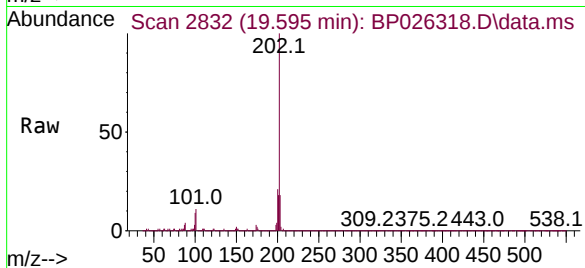
Tgt Ion:202 Resp: 1943466

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 17.9 13.8 20.8



#79

Terphenyl-d14

Concen: 54.040 ng

RT: 19.819 min Scan# 2870

Delta R.T. -0.053 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

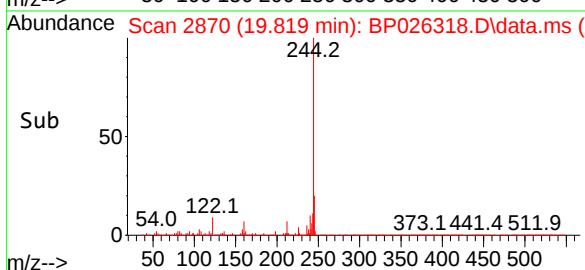
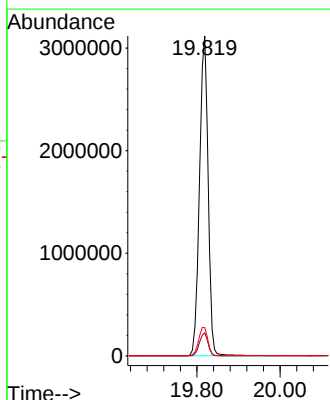
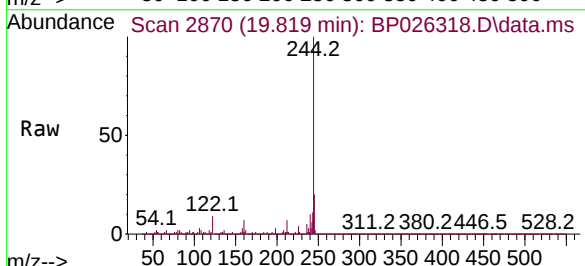
Tgt Ion:244 Resp: 4494881

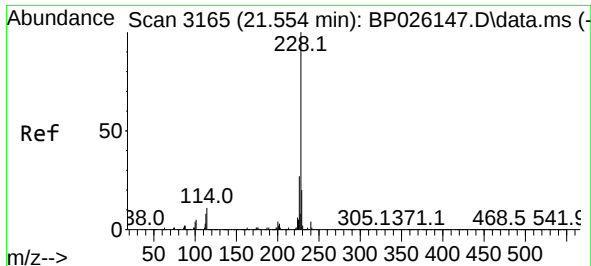
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 8.8 8.2 12.2

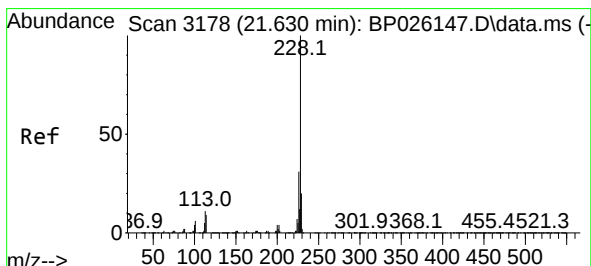
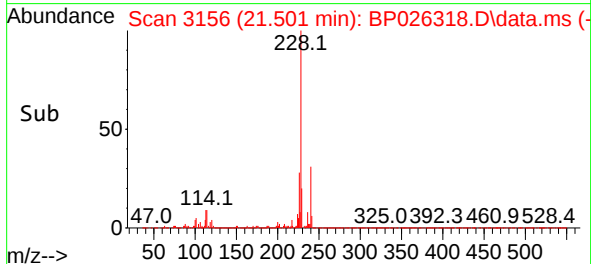
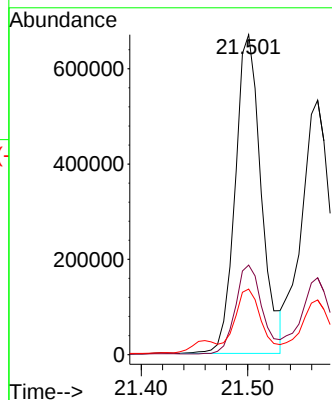
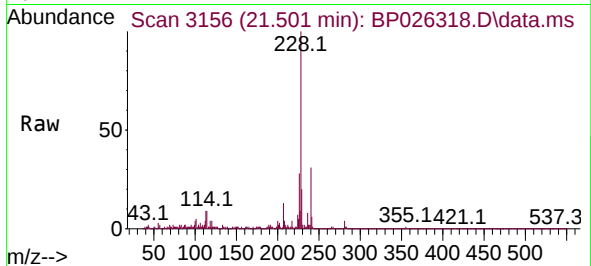




#81
Benzo(a)anthracene
Concen: 9.708 ng
RT: 21.501 min Scan# 3165
Delta R.T. -0.053 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

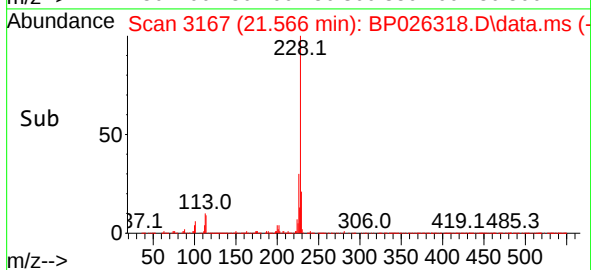
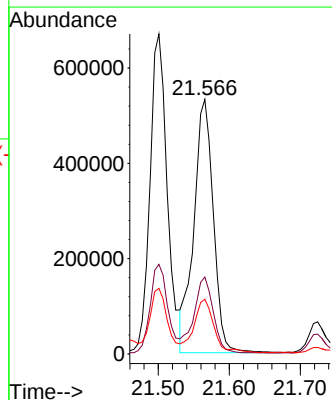
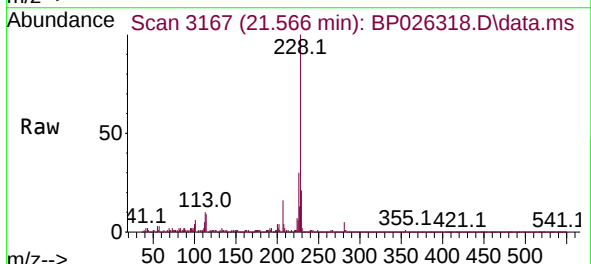
Instrument :
BNA_P
ClientSampleId :
COAN7

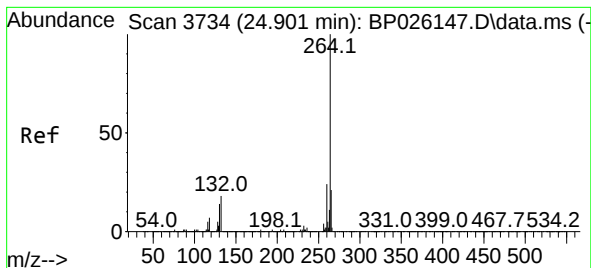
Tgt Ion:228 Resp: 1132165
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.5 15.9 23.9



#83
Chrysene
Concen: 9.217 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.065 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Tgt Ion:228 Resp: 1017717
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 21.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 31

Delta R.T. -0.082 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

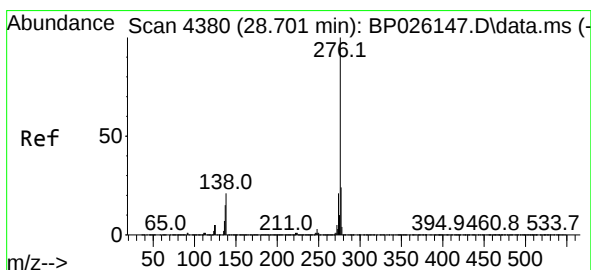
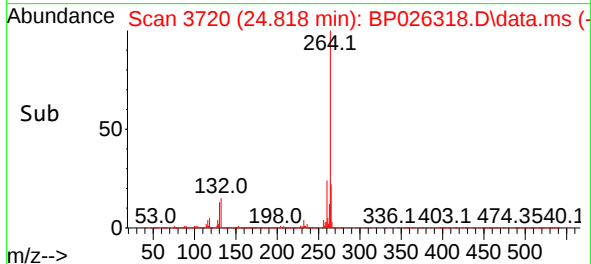
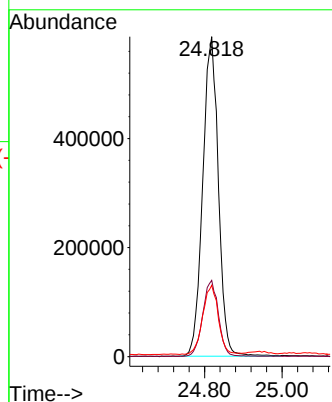
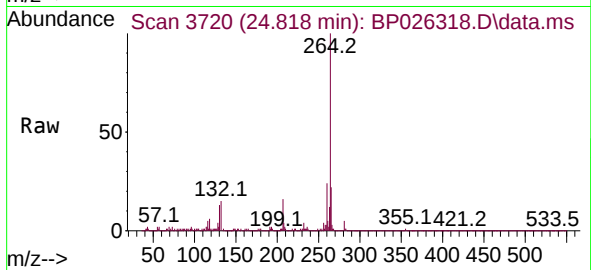
Tgt Ion:264 Resp: 1644191

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.3 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.561 ng

RT: 28.524 min Scan# 4350

Delta R.T. -0.176 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

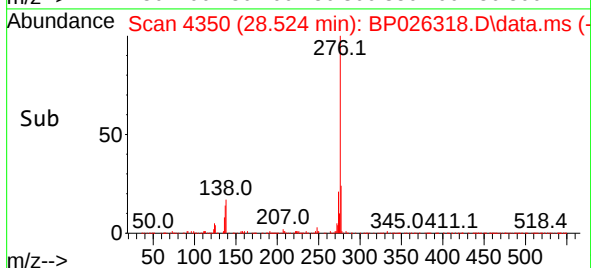
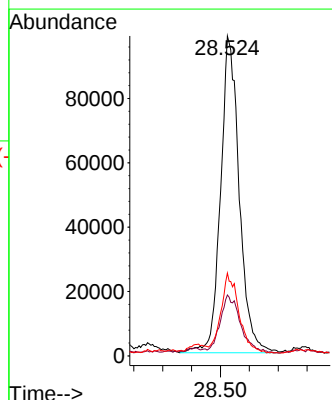
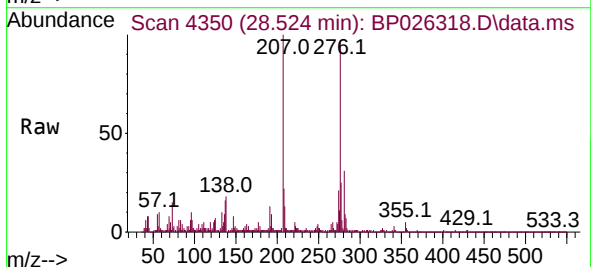
Tgt Ion:276 Resp: 442459

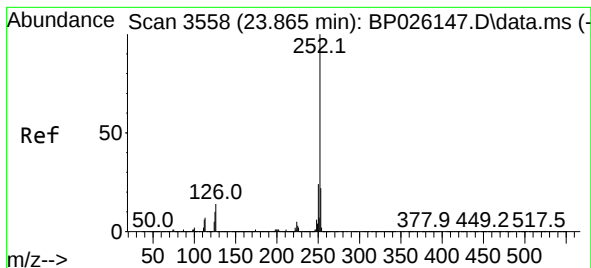
Ion Ratio Lower Upper

276 100

138 20.2 13.8 20.8

277 24.3 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 11.202 ng

RT: 23.777 min Scan# 3543

Delta R.T. -0.088 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

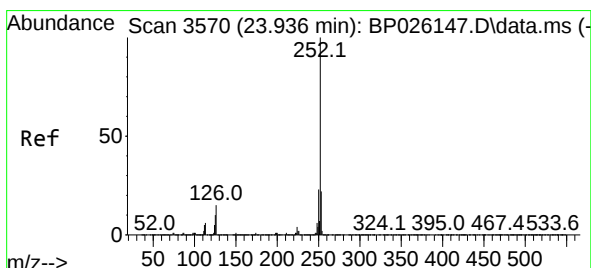
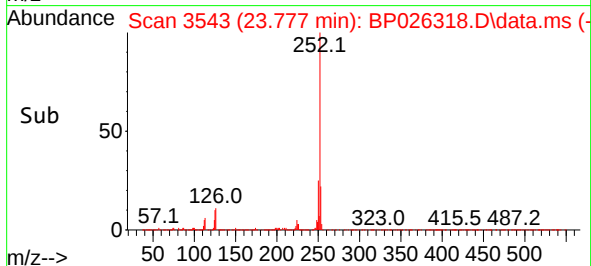
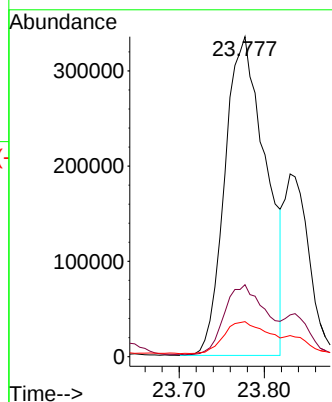
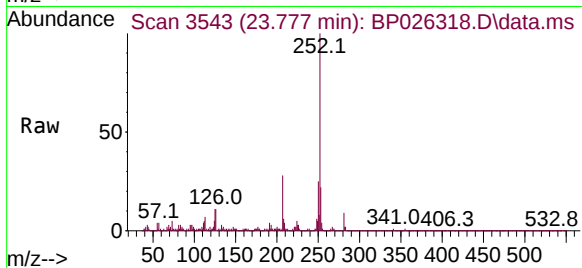
Tgt Ion:252 Resp: 1119384

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 10.9 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 11.199 ng

RT: 23.777 min Scan# 3543

Delta R.T. -0.159 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

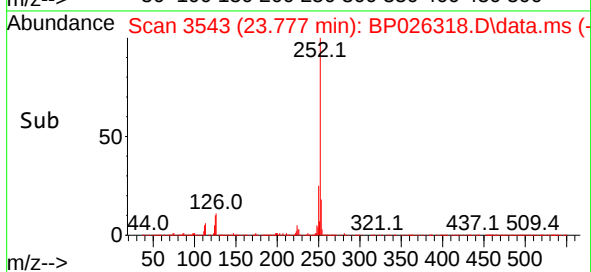
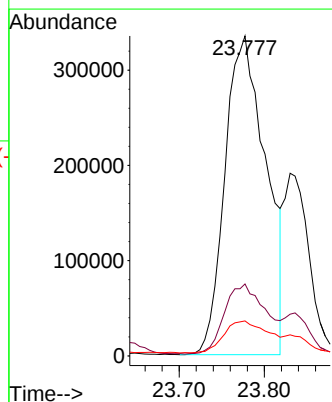
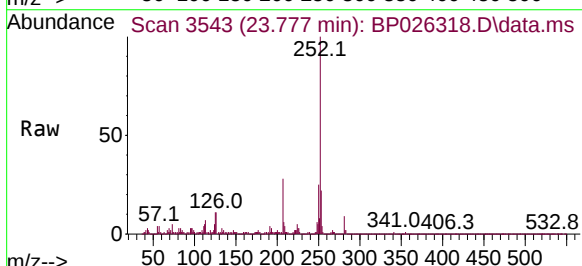
Tgt Ion:252 Resp: 1119384

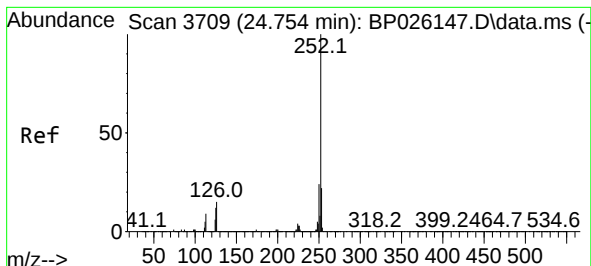
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 10.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 8.024 ng

RT: 24.654 min Scan# 30

Delta R.T. -0.100 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

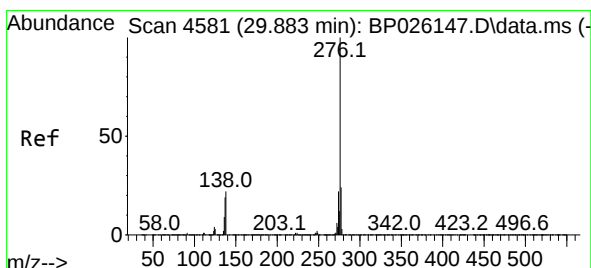
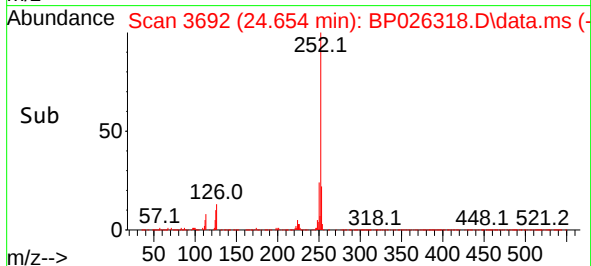
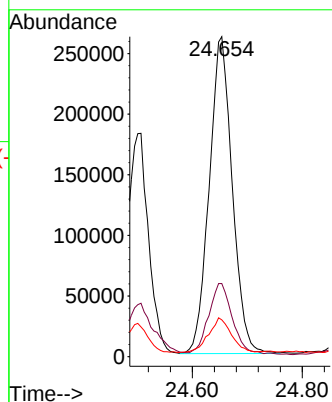
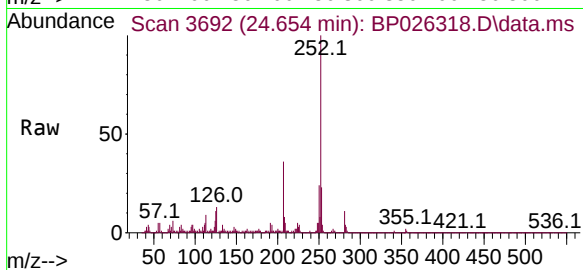
Tgt Ion:252 Resp: 760323

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 11.5 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 3.995 ng

RT: 29.665 min Scan# 4544

Delta R.T. -0.218 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Tgt Ion:276 Resp: 404825

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 19.4 17.8 26.6

