

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120325\
 Data File : BP026227.D
 Acq On : 03 Dec 2025 14:56
 Operator : RC/JU
 Sample : Q3741-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B50-SP11-112525

Quant Time: Dec 03 15:24:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

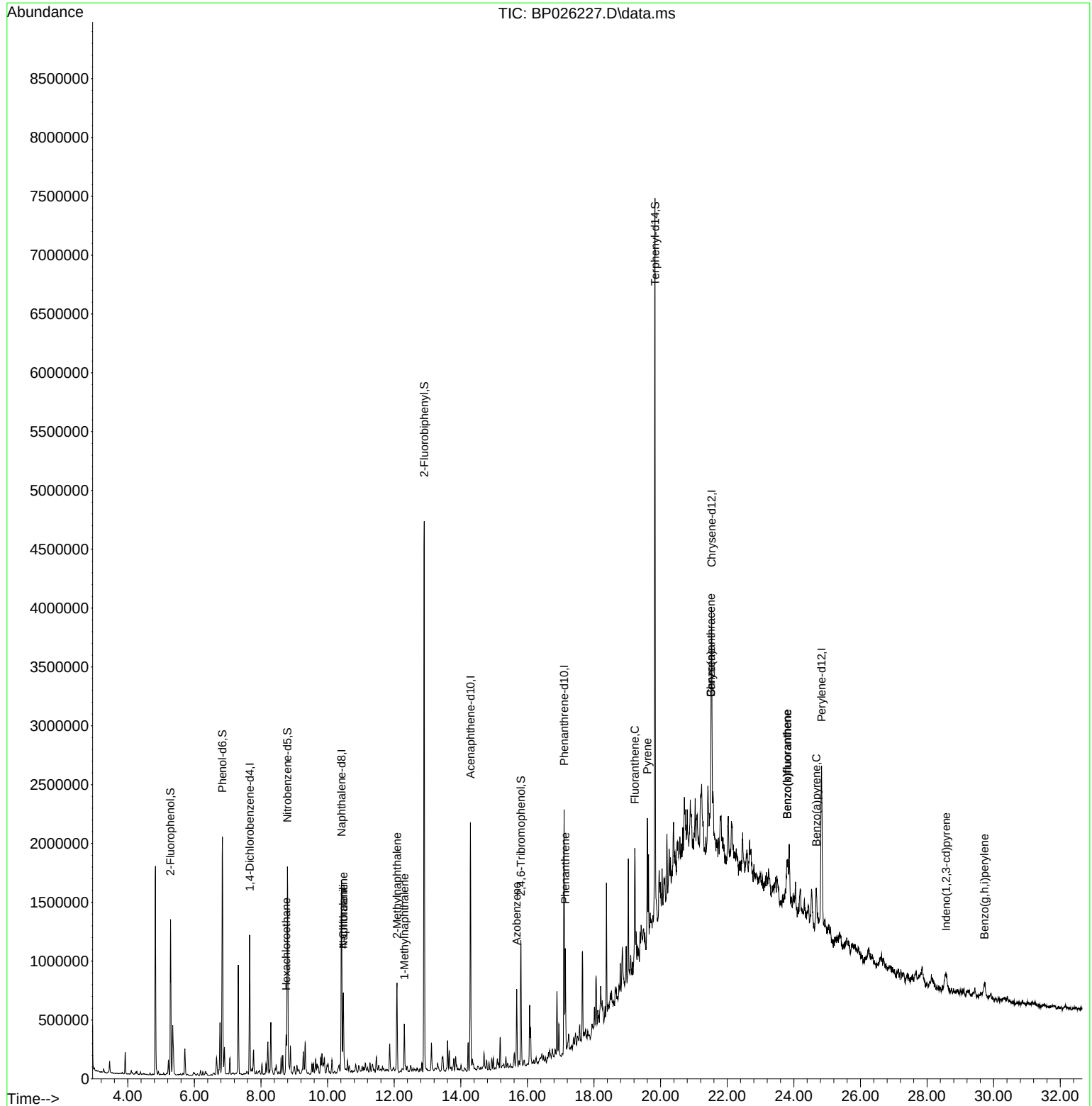
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	319635	20.000	ng	-0.01
21) Naphthalene-d8	10.419	136	1223619	20.000	ng	-0.03
39) Acenaphthene-d10	14.290	164	711475	20.000	ng	-0.04
64) Phenanthrene-d10	17.101	188	1217451	20.000	ng	-0.03
76) Chrysene-d12	21.530	240	1263324	20.000	ng	-0.04
86) Perylene-d12	24.830	264	1598655	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	591149	29.685	ng	0.00
7) Phenol-d6	6.843	99	1158202	45.685	ng	-0.01
23) Nitrobenzene-d5	8.796	82	1037839	48.178	ng	-0.02
42) 2,4,6-Tribromophenol	15.801	330	218358	23.659	ng	-0.04
45) 2-Fluorobiphenyl	12.901	172	2534177	52.202	ng	-0.03
79) Terphenyl-d14	19.830	244	3060533	49.398	ng	-0.04
Target Compounds						Qvalue
18) Hexachloroethane	8.755	117	31891	3.562	ng	# 1
31) Naphthalene	10.472	128	514603	7.782	ng	99
33) 4-Chloroaniline	10.472	127	66819	2.376	ng	# 38
37) 2-Methylnaphthalene	12.084	142	405157	8.642	ng	98
38) 1-Methylnaphthalene	12.301	142	184254	4.021	ng	98
63) Azobenzene	15.678	77	168810	3.740	ng	# 1
71) Phenanthrene	17.137	178	536696	7.826	ng	100
75) Fluoranthene	19.225	202	668957	8.028	ng	100
78) Pyrene	19.601	202	609299	7.356	ng	98
81) Benzo(a)anthracene	21.507	228	319270	3.680	ng	96
83) Chrysene	21.507	228	319270	3.905	ng	95
87) Indeno(1,2,3-cd)pyrene	28.571	276	239878	2.001	ng	# 90
88) Benzo(b)fluoranthene	23.801	252	455383	4.678	ng	# 90
89) Benzo(k)fluoranthene	23.801	252	455383	4.683	ng	# 90
90) Benzo(a)pyrene	24.677	252	325535	3.530	ng	# 91
92) Benzo(g,h,i)perylene	29.724	276	253062	2.594	ng	98

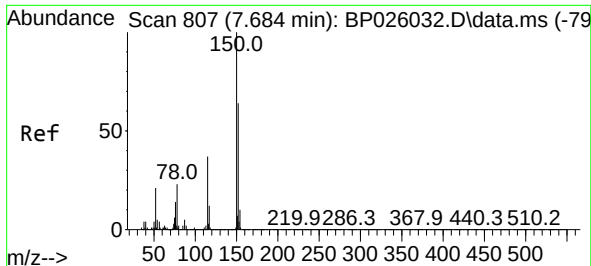
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120325\
Data File : BP026227.D
Acq On : 03 Dec 2025 14:56
Operator : RC/JU
Sample : Q3741-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

Quant Time: Dec 03 15:24:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

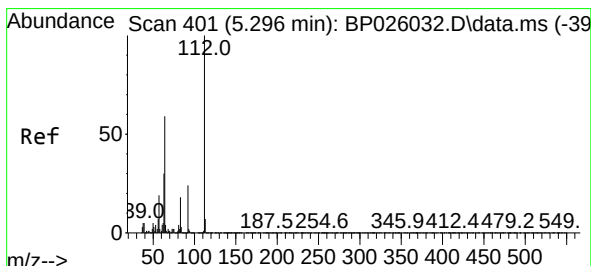
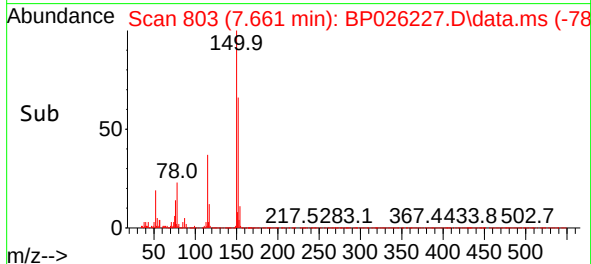
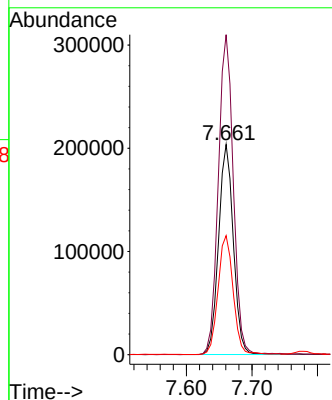
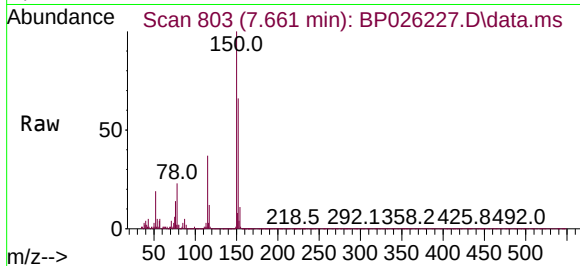




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.661 min Scan# 80
Delta R.T. -0.011 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

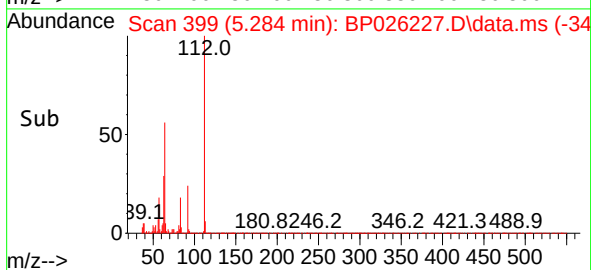
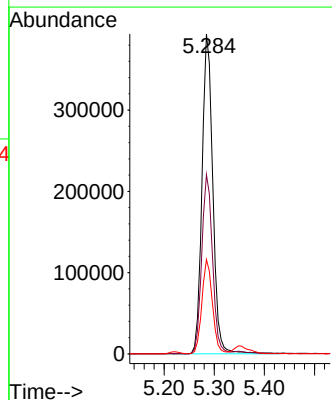
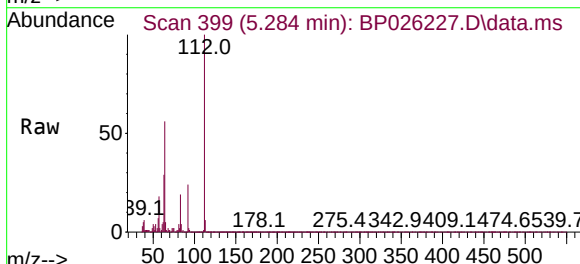
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

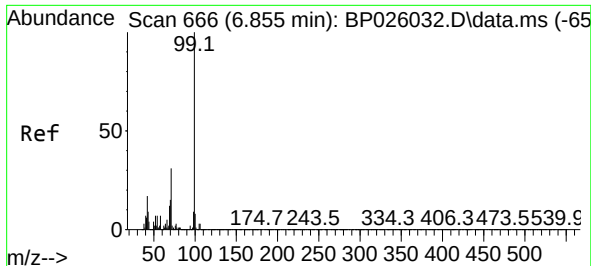
Tgt Ion:152 Resp: 319635
Ion Ratio Lower Upper
152 100
150 152.2 123.0 184.6
115 56.6 46.3 69.5



#5
2-Fluorophenol
Concen: 29.685 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion:112 Resp: 591149
Ion Ratio Lower Upper
112 100
64 56.0 45.8 68.6
63 29.5 23.5 35.3



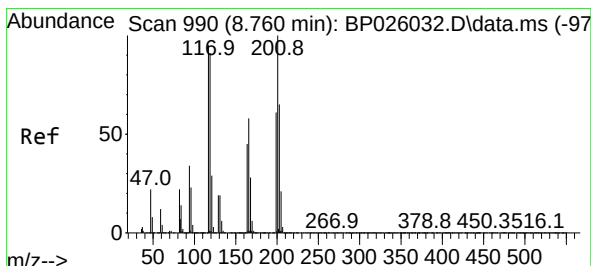
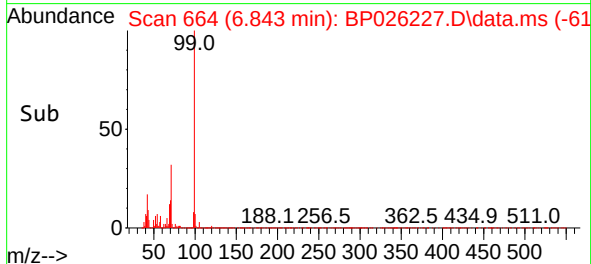
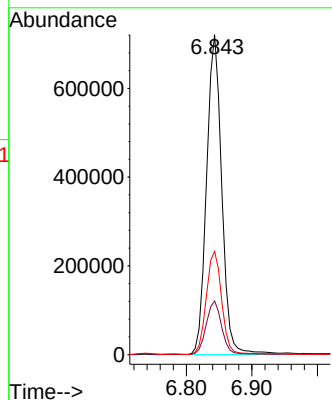
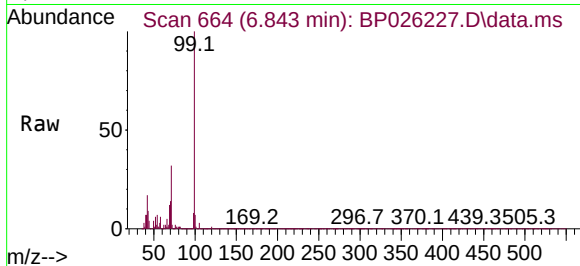


#7
Phenol-d6
Concen: 45.685 ng
RT: 6.843 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

Tgt Ion: 99 Resp: 1158202

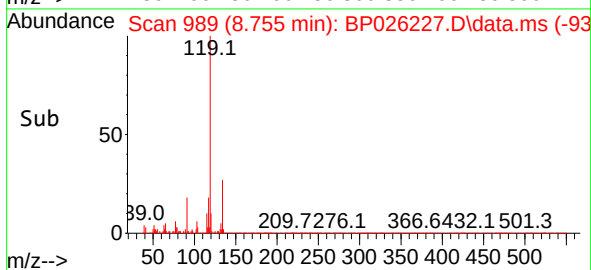
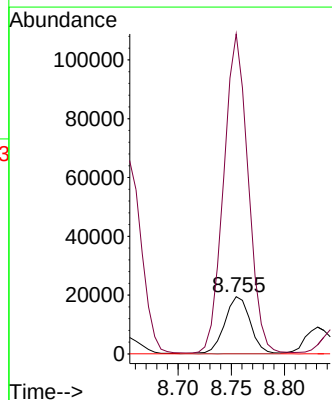
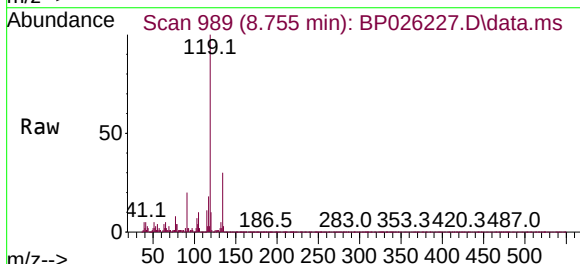
Ion	Ratio	Lower	Upper
99	100		
42	16.8	12.9	19.3
71	32.2	24.8	37.2

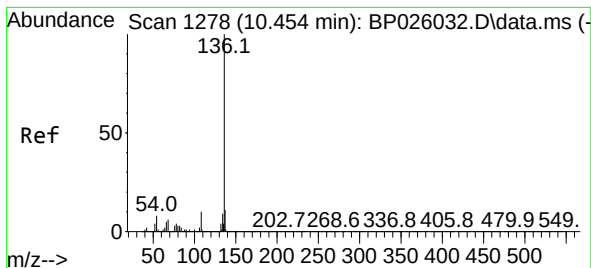


#18
Hexachloroethane
Concen: 3.562 ng
RT: 8.755 min Scan# 989
Delta R.T. 0.012 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion: 117 Resp: 31891

Ion	Ratio	Lower	Upper
117	100		
119	559.3	78.7	118.1#
201	0.0	85.1	127.7#



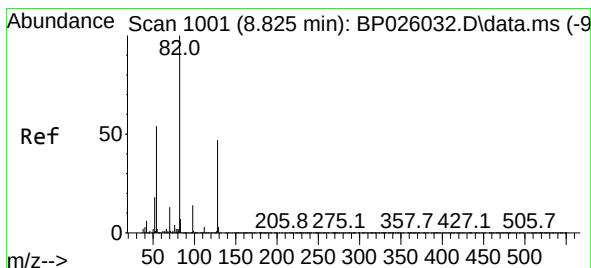
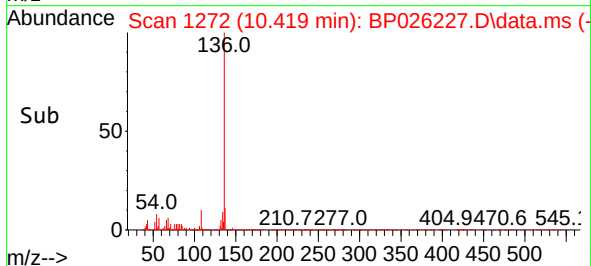
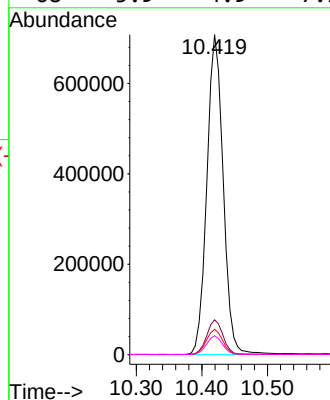
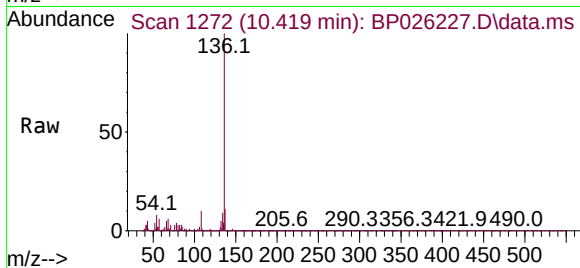


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.419 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

Tgt Ion:136 Resp: 1223619

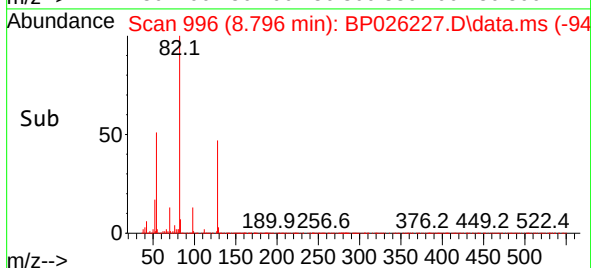
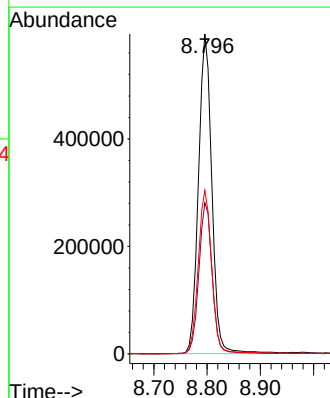
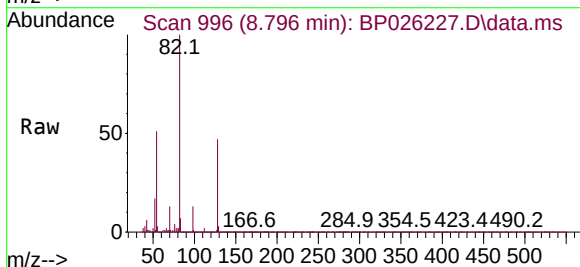
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.9	6.4	9.6
68	5.9	4.9	7.3

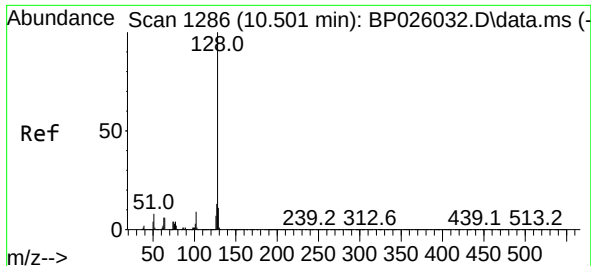


#23
Nitrobenzene-d5
Concen: 48.178 ng
RT: 8.796 min Scan# 996
Delta R.T. -0.017 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion: 82 Resp: 1037839

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.4	56.0
54	51.1	41.6	62.4

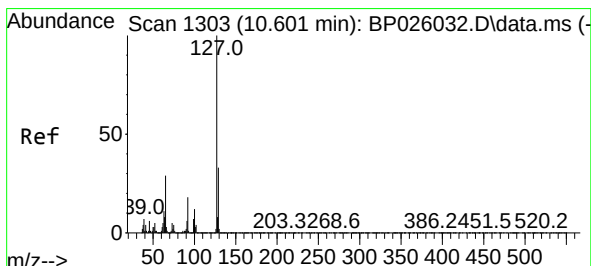
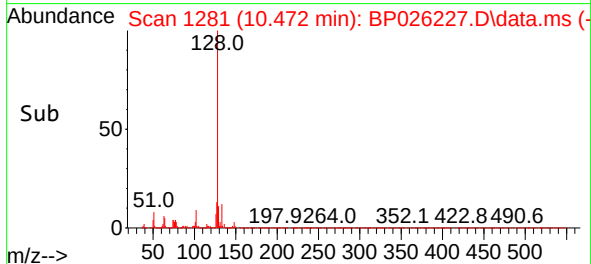
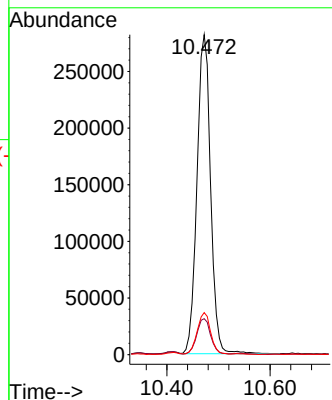
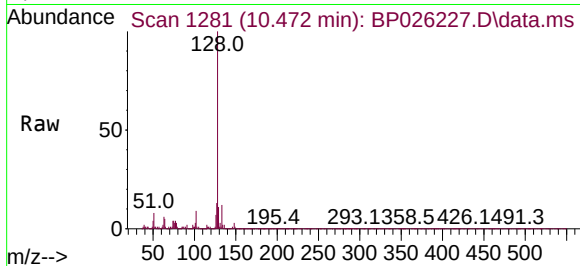




#31
Naphthalene
Concen: 7.782 ng
RT: 10.472 min Scan# 1281
Delta R.T. -0.023 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

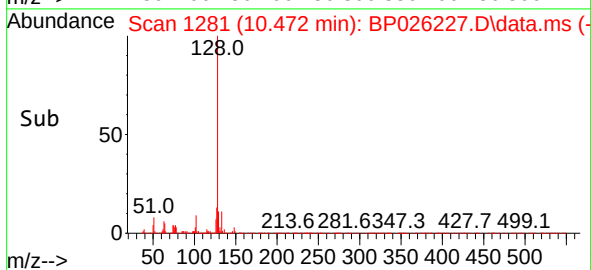
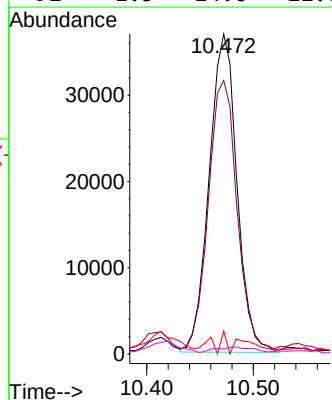
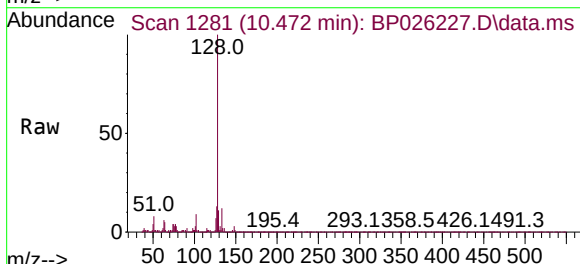
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

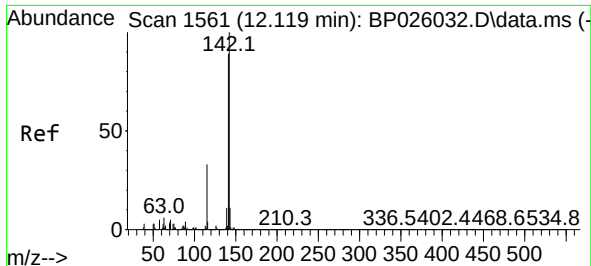
Tgt Ion:128 Resp: 514603
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.1 10.2 15.4



#33
4-Chloroaniline
Concen: 2.376 ng
RT: 10.472 min Scan# 1281
Delta R.T. -0.123 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion:127 Resp: 66819
Ion Ratio Lower Upper
127 100
129 85.4 25.8 38.8#
65 7.2 22.7 34.1#
92 1.5 14.6 22.0#

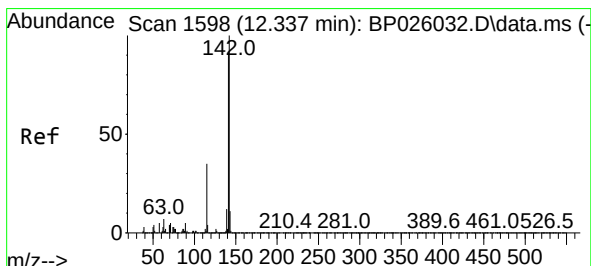
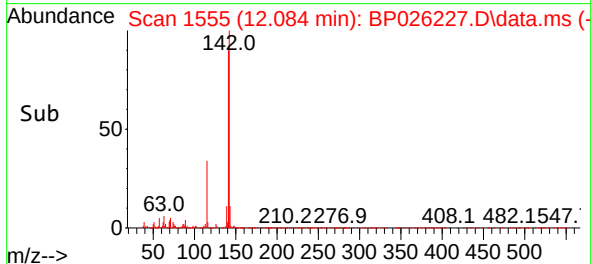
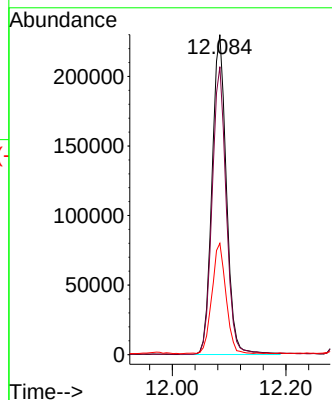
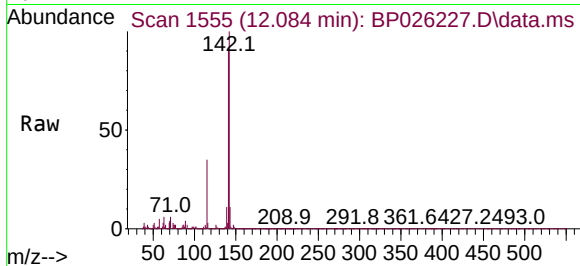




#37
2-Methylnaphthalene
Concen: 8.642 ng
RT: 12.084 min Scan# 1555
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

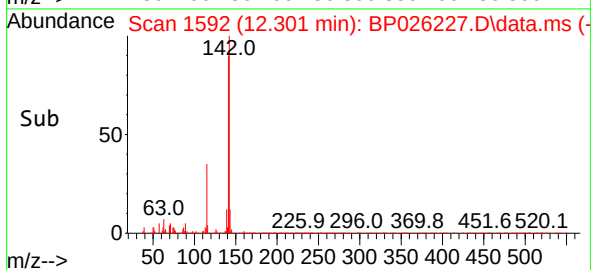
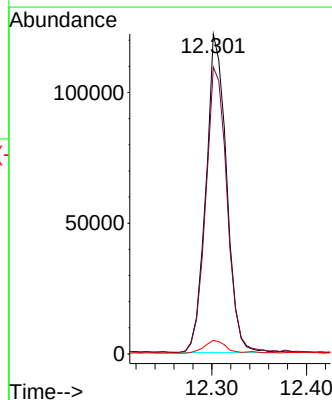
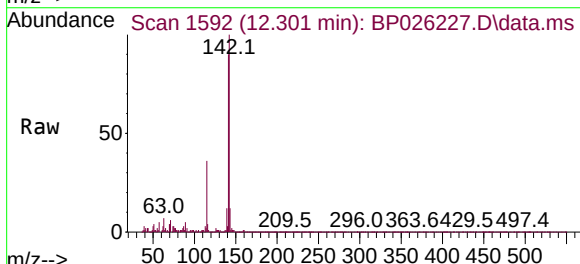
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

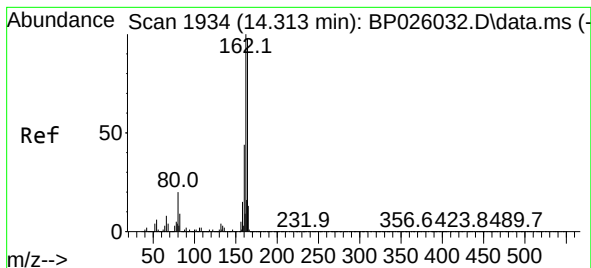
Tgt Ion:142 Resp: 405157
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6
115 34.8 26.6 39.8



#38
1-Methylnaphthalene
Concen: 4.021 ng
RT: 12.301 min Scan# 1592
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion:142 Resp: 184254
Ion Ratio Lower Upper
142 100
141 89.6 73.5 110.3
116 4.2 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.290 min Scan# 1934

Delta R.T. -0.035 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

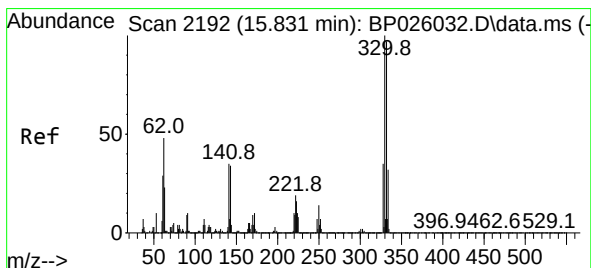
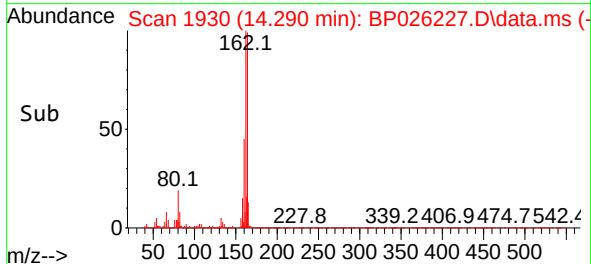
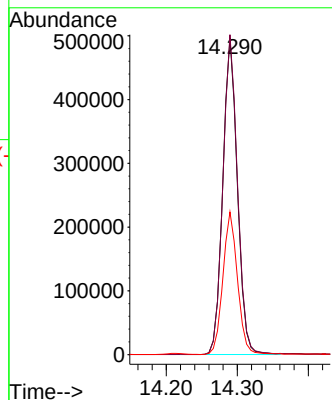
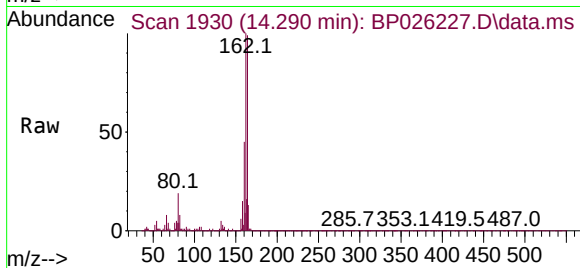
Tgt Ion:164 Resp: 711475

Ion Ratio Lower Upper

164 100

162 101.1 80.3 120.5

160 45.1 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 23.659 ng

RT: 15.801 min Scan# 2187

Delta R.T. -0.035 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

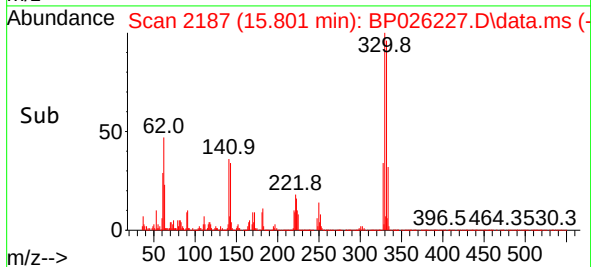
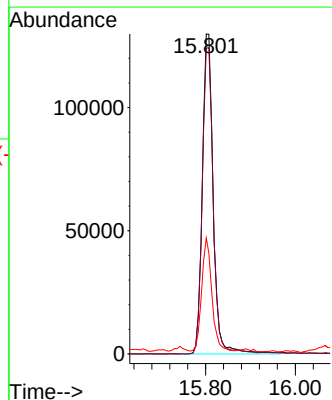
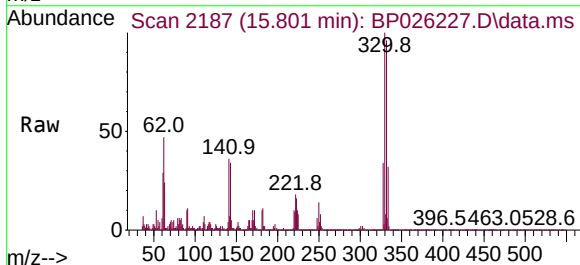
Tgt Ion:330 Resp: 218358

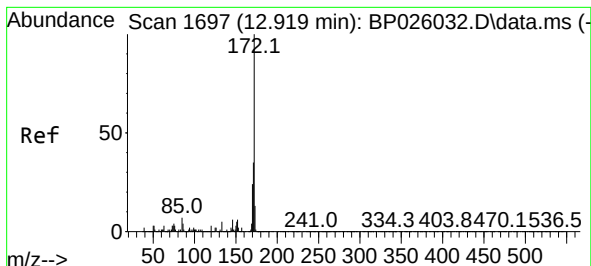
Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

141 33.3 26.8 40.2

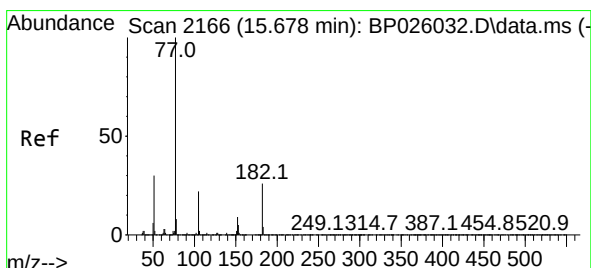
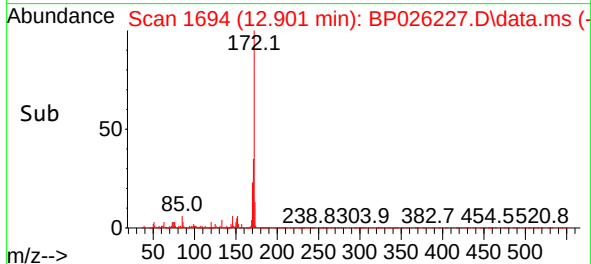
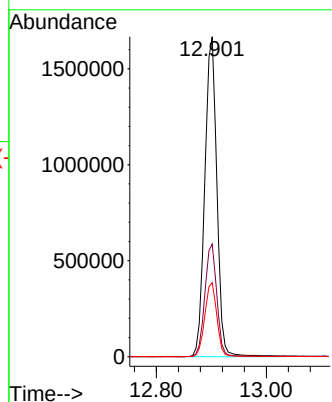
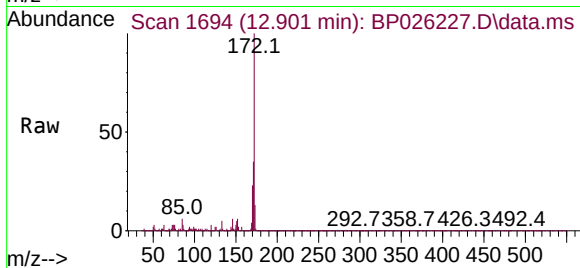




#45
2-Fluorobiphenyl
Concen: 52.202 ng
RT: 12.901 min Scan# 1694
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

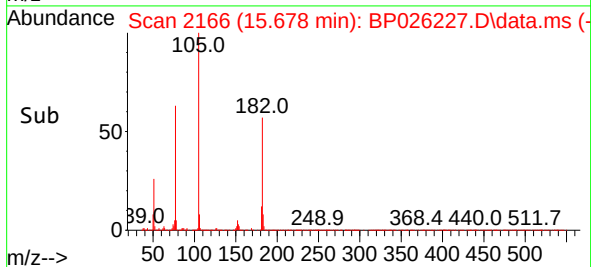
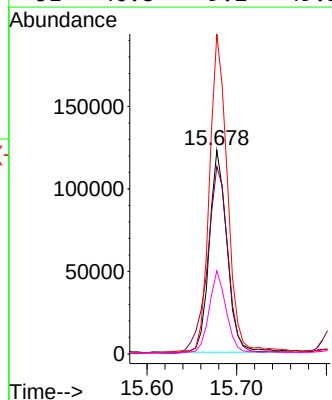
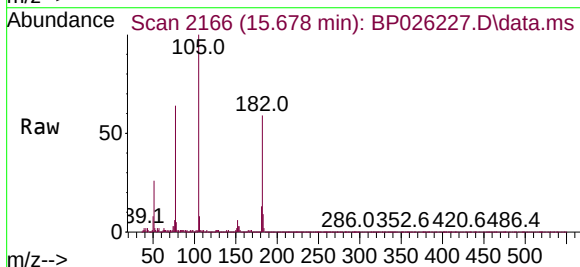
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

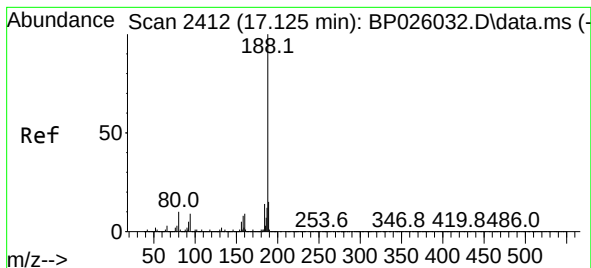
Tgt Ion:172 Resp: 2534177
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.1 18.7 28.1



#63
Azobenzene
Concen: 3.740 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion: 77 Resp: 168810
Ion Ratio Lower Upper
77 100
182 92.0 8.8 48.8#
105 157.1 2.6 42.6#
51 40.8 9.2 49.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.101 min Scan# 2412

Delta R.T. -0.029 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

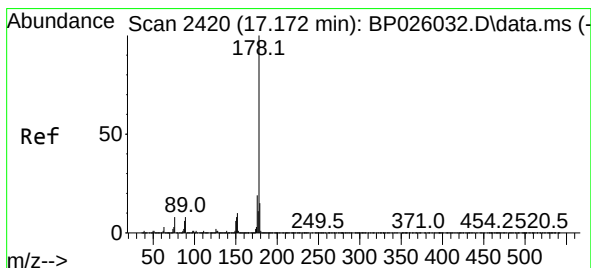
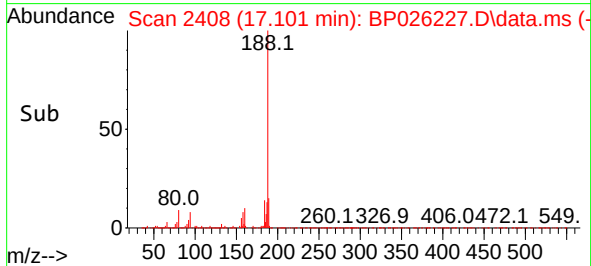
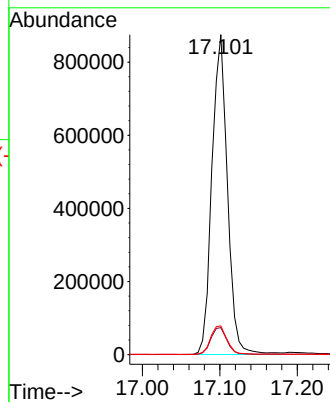
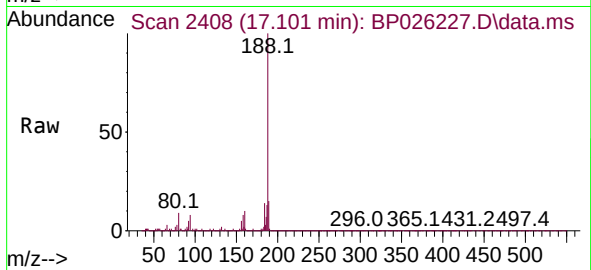
Tgt Ion:188 Resp: 1217451

Ion Ratio Lower Upper

188 100

94 8.4 7.8 11.6

80 9.0 8.2 12.2



#71

Phenanthrene

Concen: 7.826 ng

RT: 17.137 min Scan# 2414

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

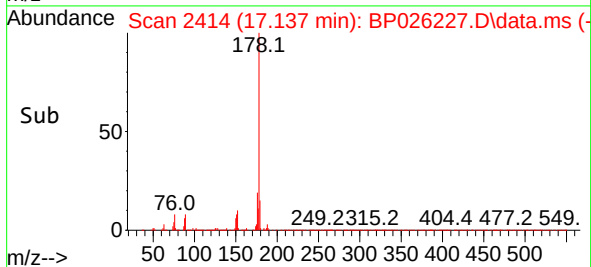
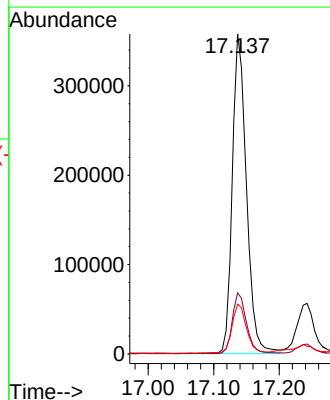
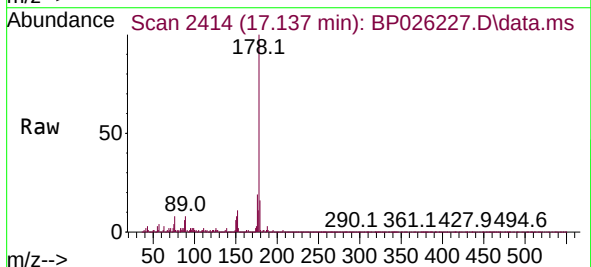
Tgt Ion:178 Resp: 536696

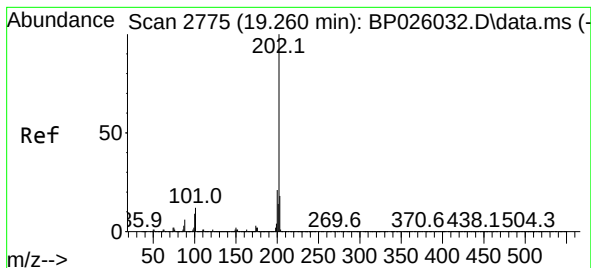
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.4 18.6

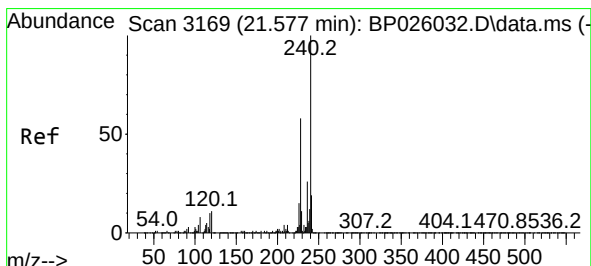
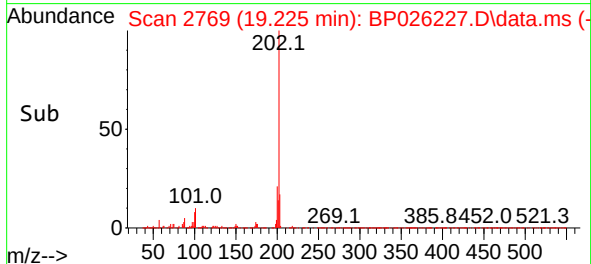
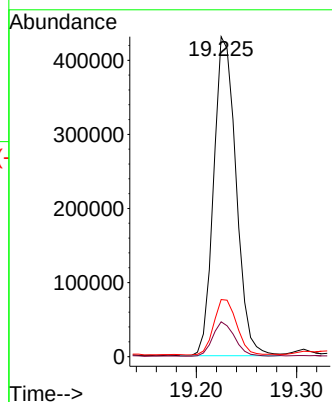
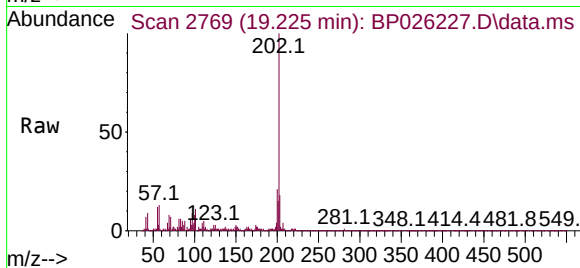




#75
Fluoranthene
Concen: 8.028 ng
RT: 19.225 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

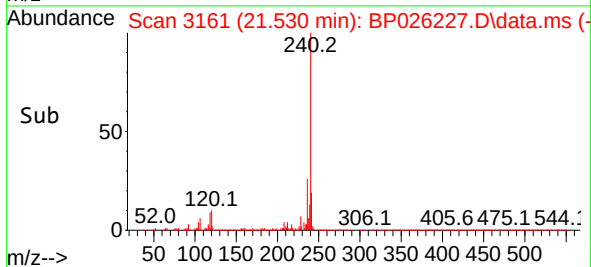
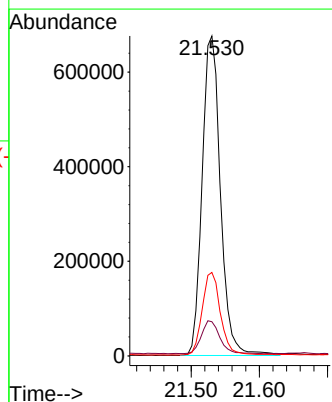
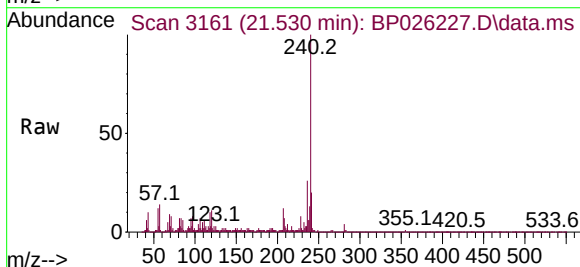
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

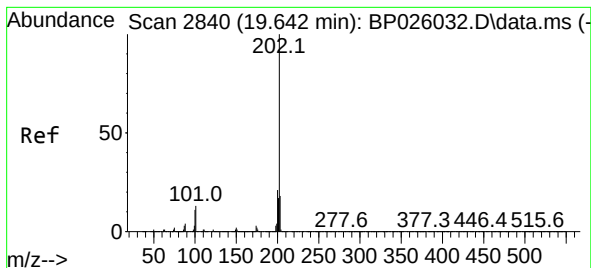
Tgt Ion:202 Resp: 668957
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.2
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.041 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion:240 Resp: 1263324
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 26.1 20.4 30.6





#78

Pyrene

Concen: 7.356 ng

RT: 19.601 min Scan# 2833

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

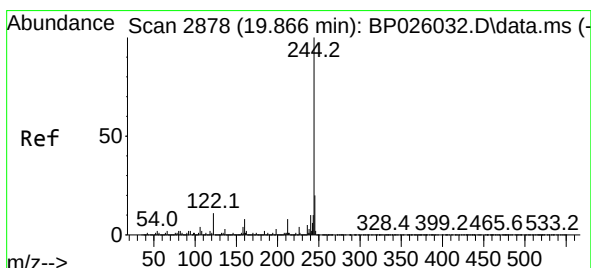
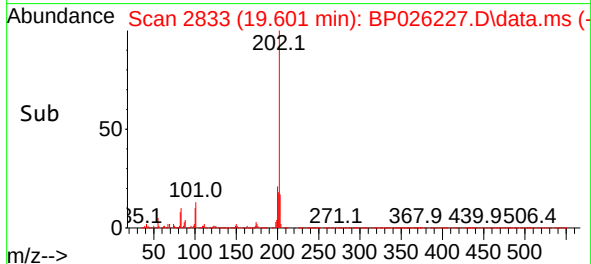
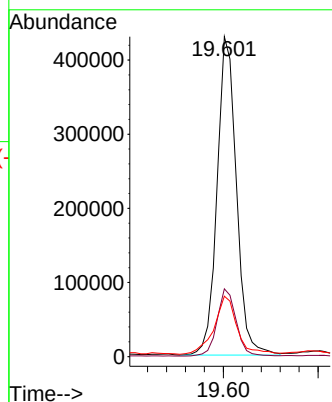
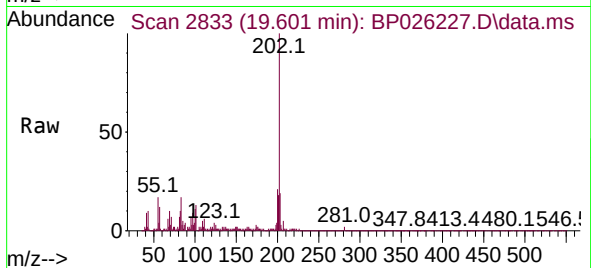
Tgt Ion:202 Resp: 609299

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.9 13.8 20.8



#79

Terphenyl-d14

Concen: 49.398 ng

RT: 19.830 min Scan# 2872

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

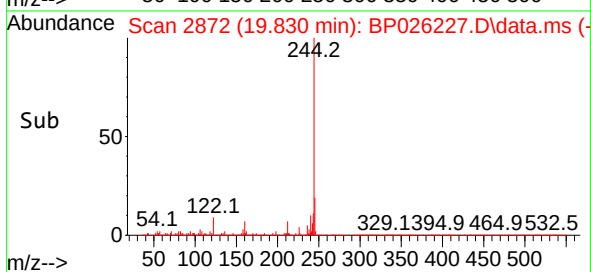
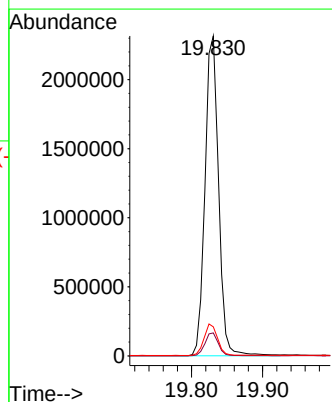
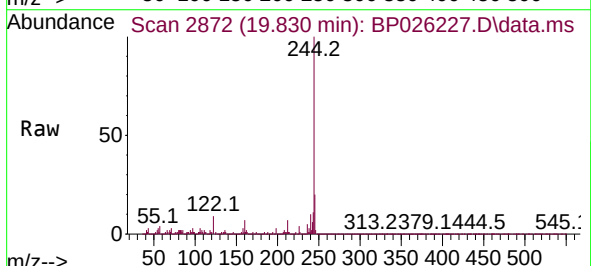
Tgt Ion:244 Resp: 3060533

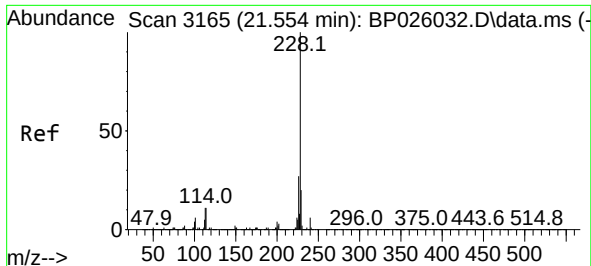
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 9.1 8.2 12.2

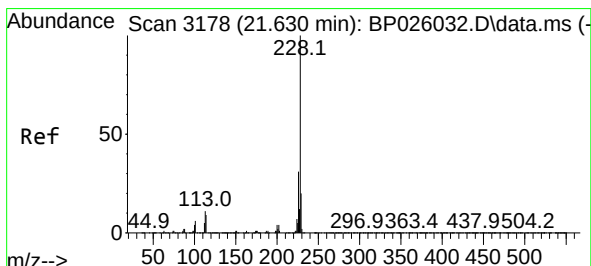
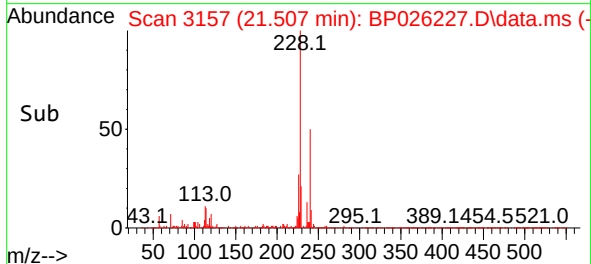
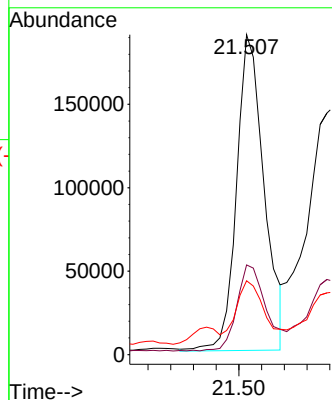
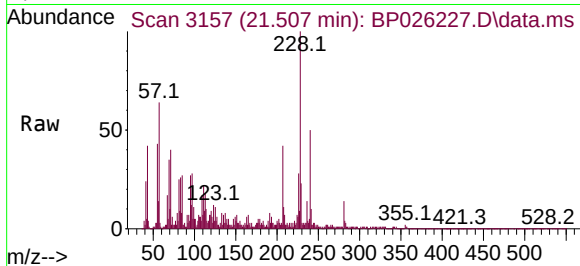




#81
Benzo(a)anthracene
Concen: 3.680 ng
RT: 21.507 min Scan# 3165
Delta R.T. -0.047 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

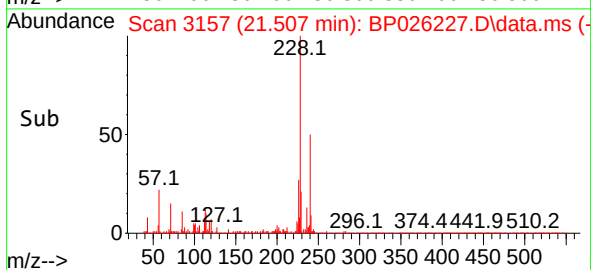
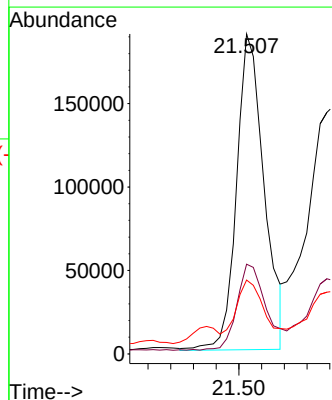
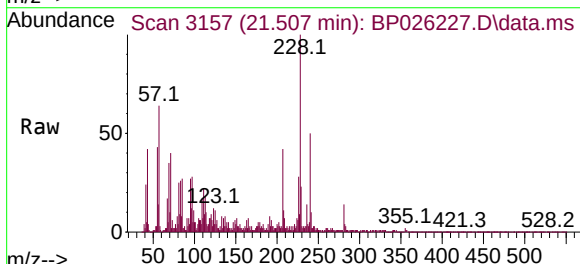
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525

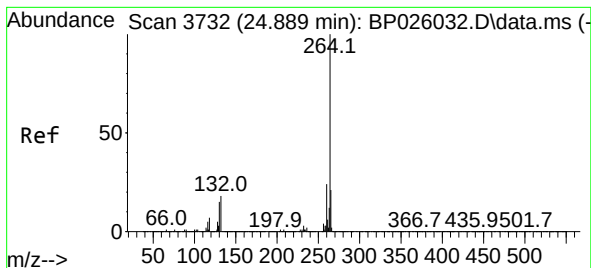
Tgt Ion:228 Resp: 319270
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 23.1 15.9 23.9



#83
Chrysene
Concen: 3.905 ng
RT: 21.507 min Scan# 3157
Delta R.T. -0.112 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion:228 Resp: 319270
Ion Ratio Lower Upper
228 100
226 28.0 23.9 35.9
229 23.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.076 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

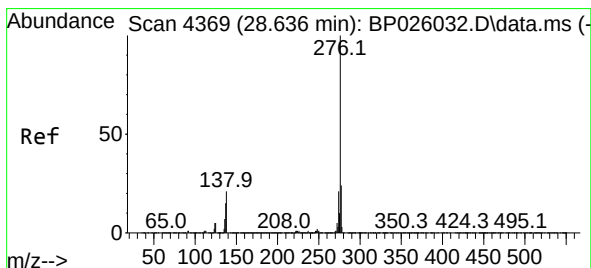
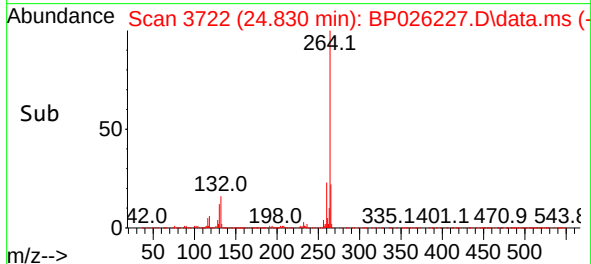
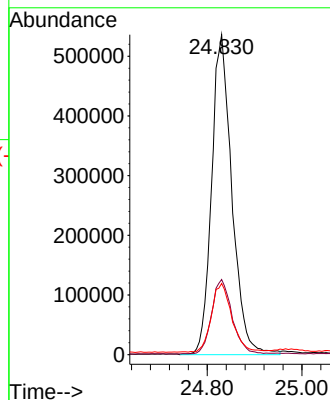
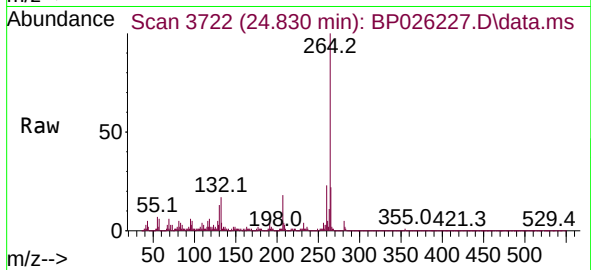
Tgt Ion:264 Resp: 1598655

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.001 ng

RT: 28.571 min Scan# 4358

Delta R.T. -0.135 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

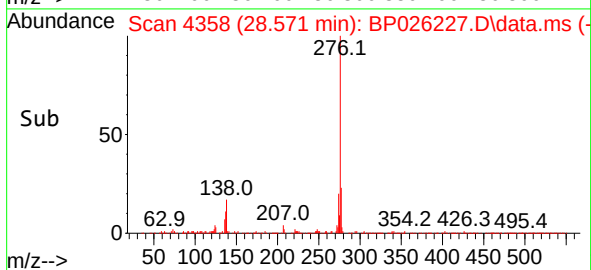
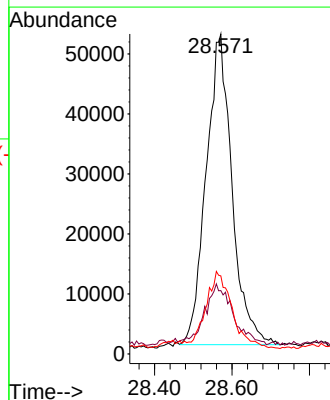
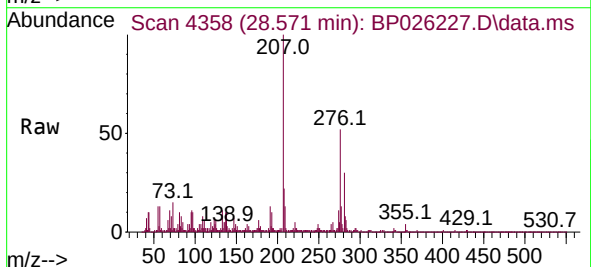
Tgt Ion:276 Resp: 239878

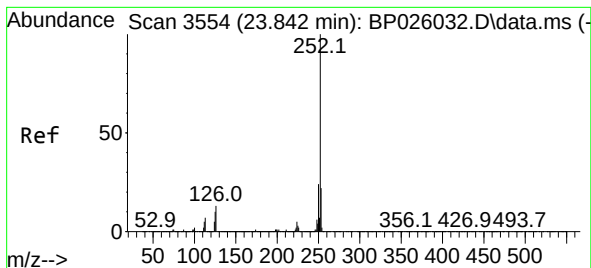
Ion Ratio Lower Upper

276 100

138 22.4 13.8 20.8#

277 25.0 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.678 ng

RT: 23.801 min Scan# 3547

Delta R.T. -0.064 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

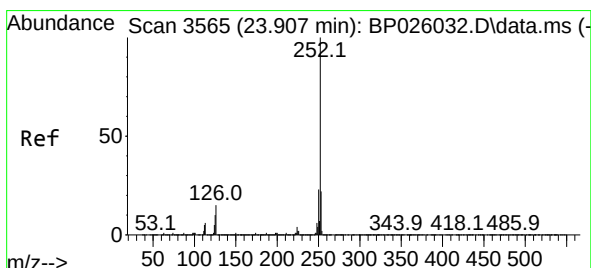
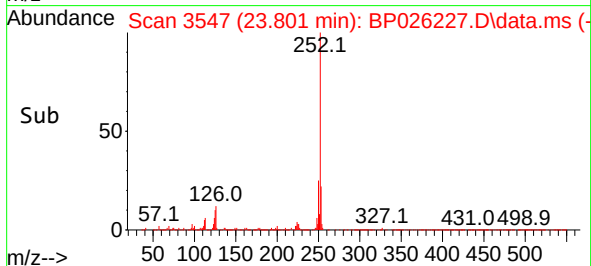
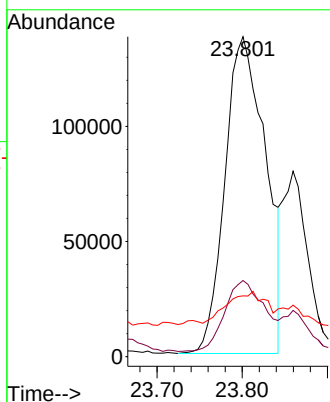
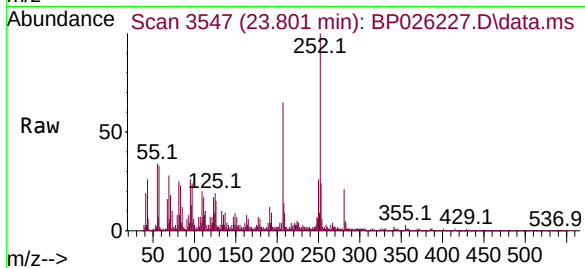
Tgt Ion:252 Resp: 455383

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 19.0 8.2 12.4#



#89

Benzo(k)fluoranthene

Concen: 4.683 ng

RT: 23.801 min Scan# 3547

Delta R.T. -0.135 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

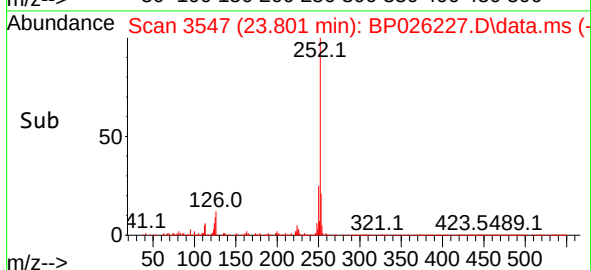
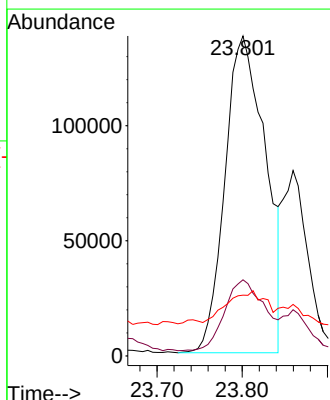
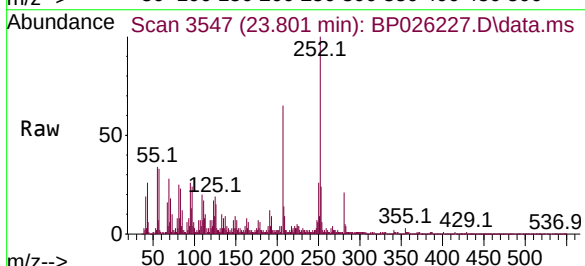
Tgt Ion:252 Resp: 455383

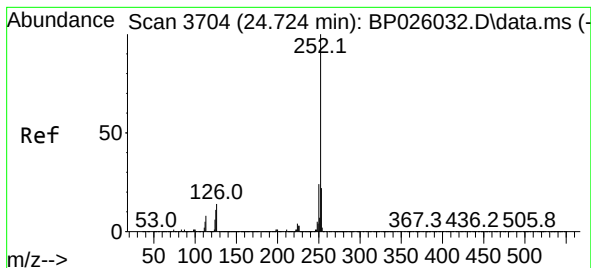
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 19.0 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 3.530 ng

RT: 24.677 min Scan# 30

Delta R.T. -0.076 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

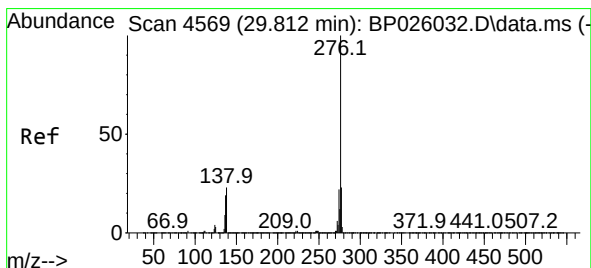
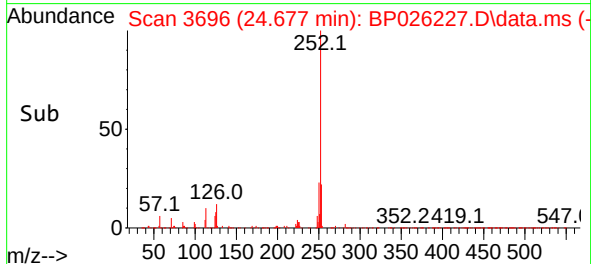
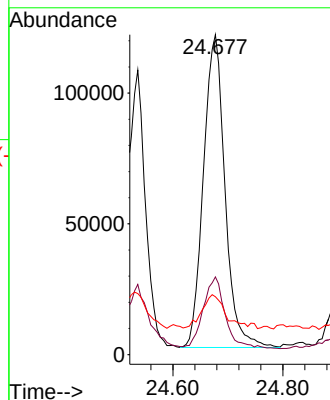
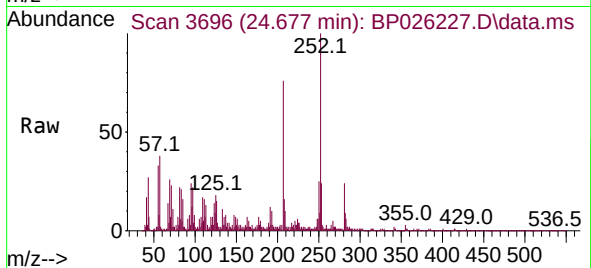
Tgt Ion:252 Resp: 325535

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

125 18.1 9.0 13.6#



#92

Benzo(g,h,i)perylene

Concen: 2.594 ng

RT: 29.724 min Scan# 4554

Delta R.T. -0.159 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Tgt Ion:276 Resp: 253062

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 22.3 17.8 26.6

