

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120225\
 Data File : BP026215.D
 Acq On : 02 Dec 2025 19:59
 Operator : RC/JU
 Sample : Q3742-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-19

Quant Time: Dec 03 00:22:10 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)

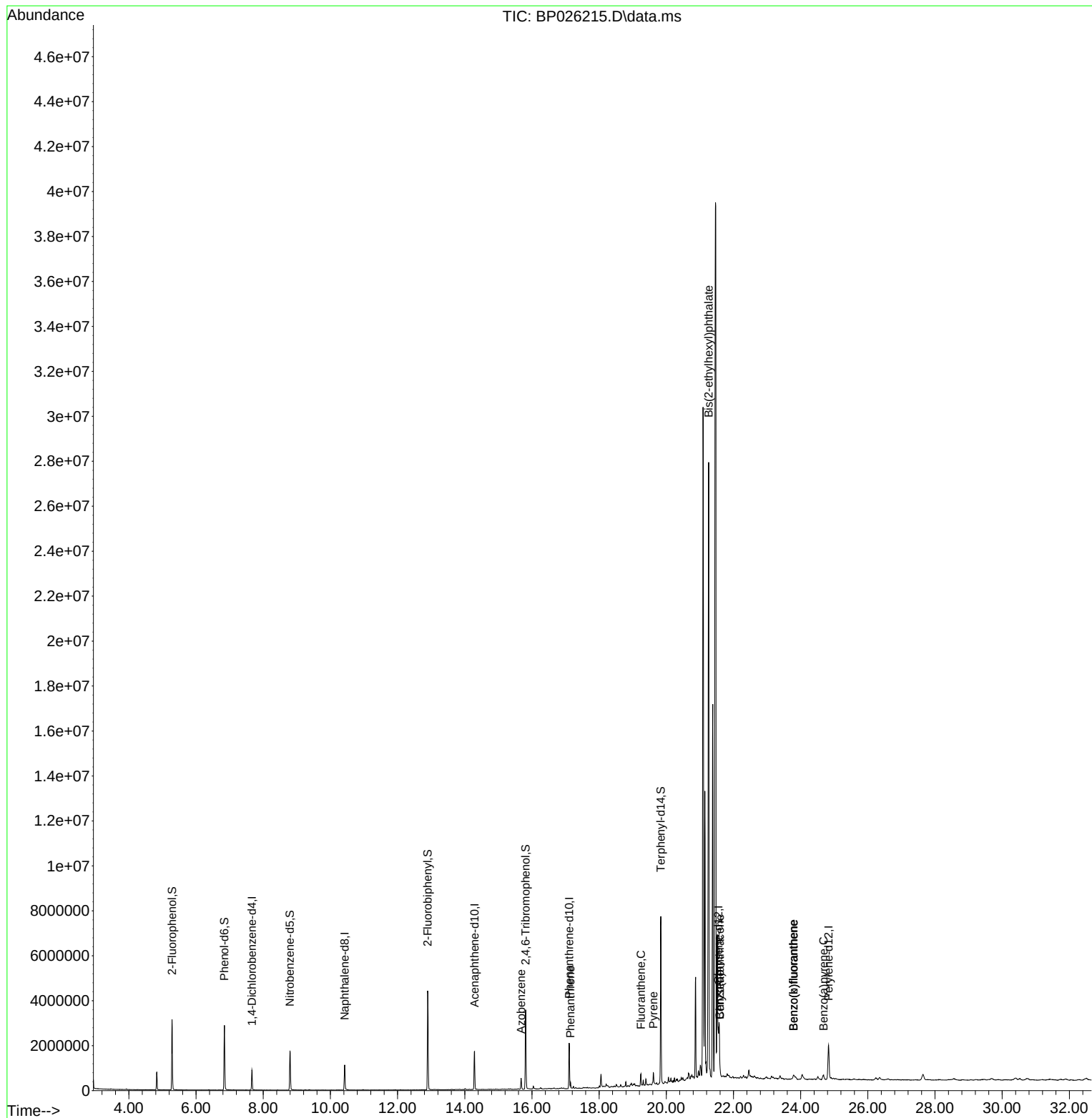
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	241817	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	973069	20.000	ng	-0.02
39) Acenaphthene-d10	14.290	164	629073	20.000	ng	-0.04
64) Phenanthrene-d10	17.107	188	1276770	20.000	ng	-0.02
76) Chrysene-d12	21.548	240	1306666	20.000	ng	-0.02
86) Perylene-d12	24.830	264	1576459	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1392867	92.453	ng	0.00
7) Phenol-d6	6.843	99	1715769	89.457	ng	-0.01
23) Nitrobenzene-d5	8.796	82	1027361	59.972	ng	-0.02
42) 2,4,6-Tribromophenol	15.813	330	778959	95.454	ng	-0.02
45) 2-Fluorobiphenyl	12.896	172	2585511	60.236	ng	-0.04
79) Terphenyl-d14	19.836	244	4245021	66.244	ng	-0.04
Target Compounds						
						Qvalue
63) Azobenzene	15.678	77	146331	3.667	ng	# 1
71) Phenanthrene	17.148	178	146193	2.033	ng	99
75) Fluoranthene	19.242	202	344725	3.945	ng	99
78) Pyrene	19.613	202	361968	4.225	ng	98
81) Benzo(a)anthracene	21.595	228	237895	2.651	ng	94
83) Chrysene	21.595	228	237895	2.813	ng	97
84) Bis(2-ethylhexyl)phtha...	21.260	149	2377007	41.618	ng	# 53
88) Benzo(b)fluoranthene	23.789	252	291257	3.034	ng	96
89) Benzo(k)fluoranthene	23.789	252	291257	3.037	ng	# 95
90) Benzo(a)pyrene	24.683	252	252219	2.774	ng	96

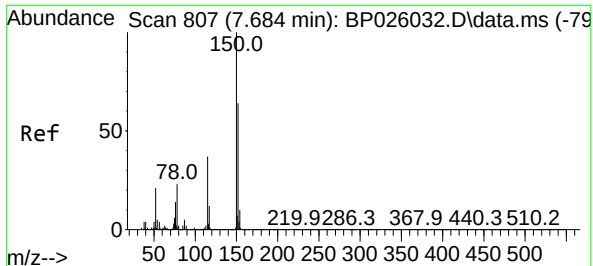
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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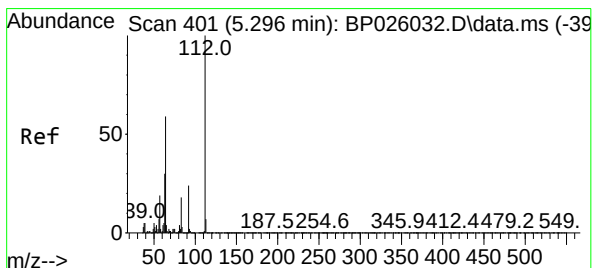
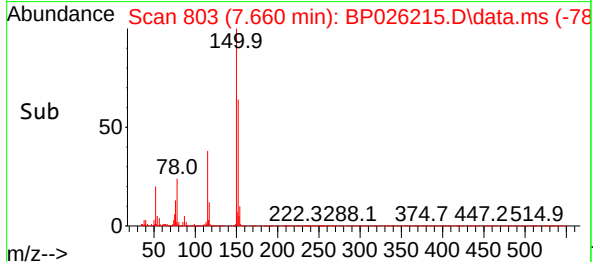
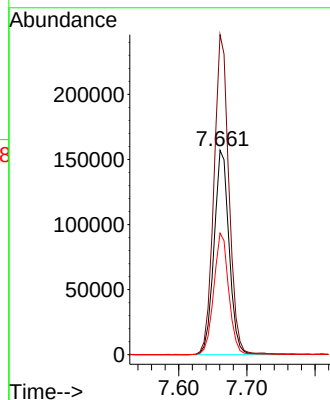
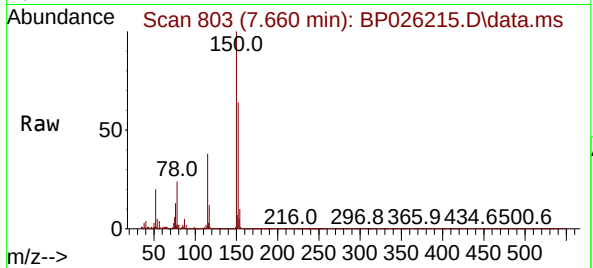




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.660 min Scan# 80
Delta R.T. -0.011 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

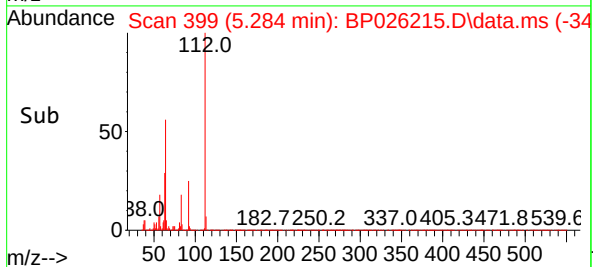
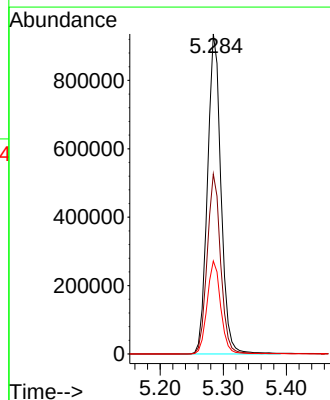
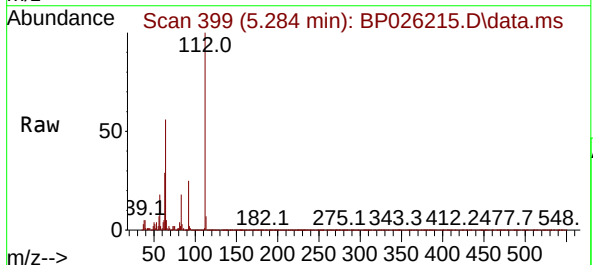
Instrument :
BNA_P
ClientSampleId :
SB-1125-19

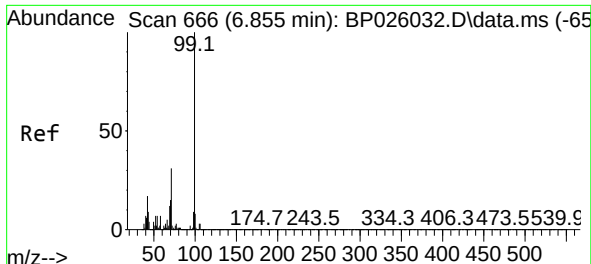
Tgt Ion:152 Resp: 241817
Ion Ratio Lower Upper
152 100
150 156.6 123.0 184.6
115 59.5 46.3 69.5



#5
2-Fluorophenol
Concen: 92.453 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

Tgt Ion:112 Resp: 1392867
Ion Ratio Lower Upper
112 100
64 56.2 45.8 68.6
63 29.0 23.5 35.3

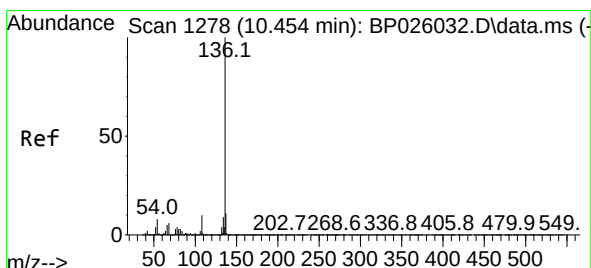
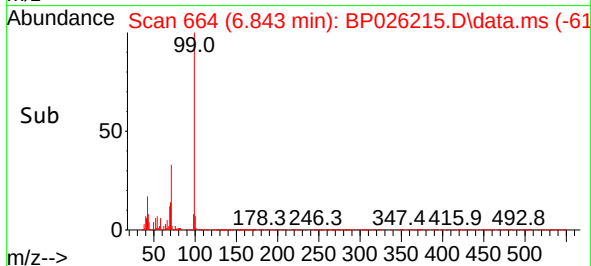
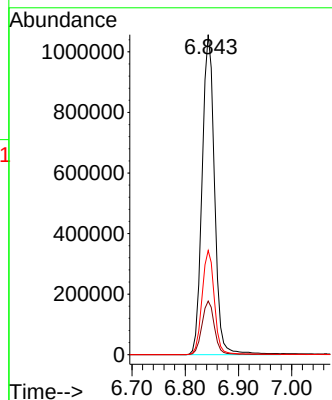
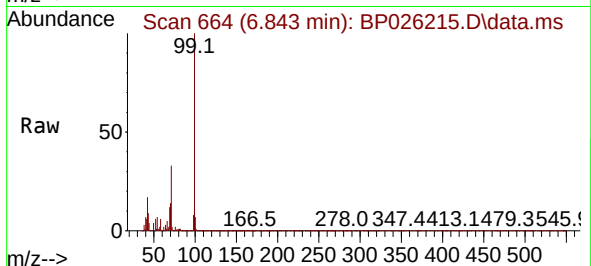




#7
Phenol-d6
Concen: 89.457 ng
RT: 6.843 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

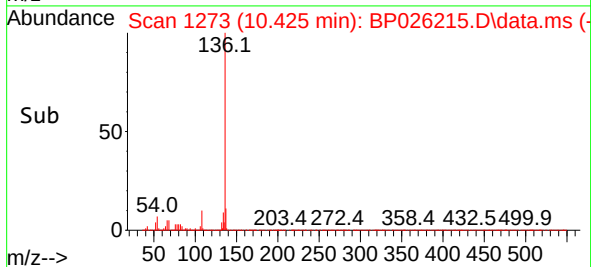
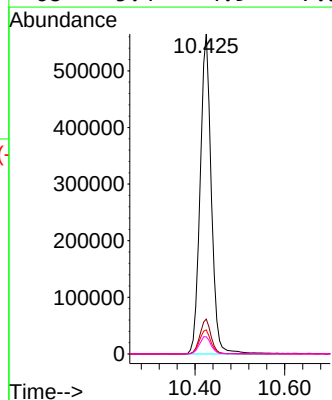
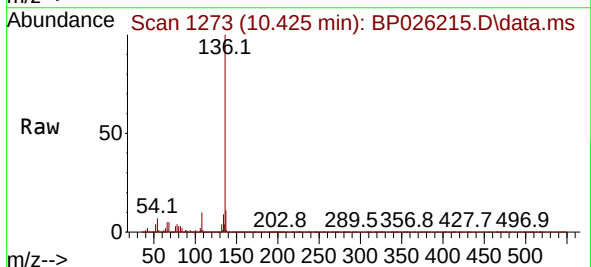
Instrument :
BNA_P
ClientSampleId :
SB-1125-19

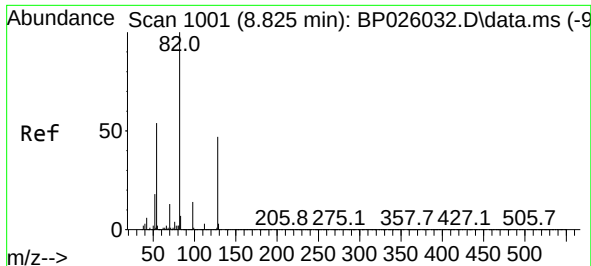
Tgt Ion: 99 Resp: 1715769
Ion Ratio Lower Upper
99 100
42 16.7 12.9 19.3
71 32.5 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.023 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

Tgt Ion:136 Resp: 973069
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.5 6.4 9.6
68 5.4 4.9 7.3

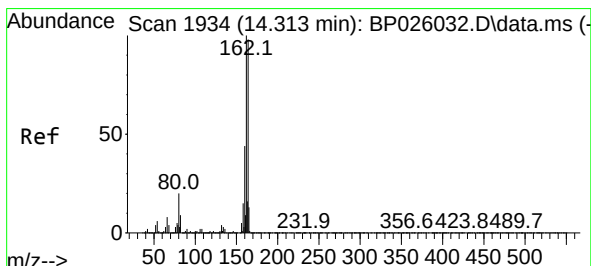
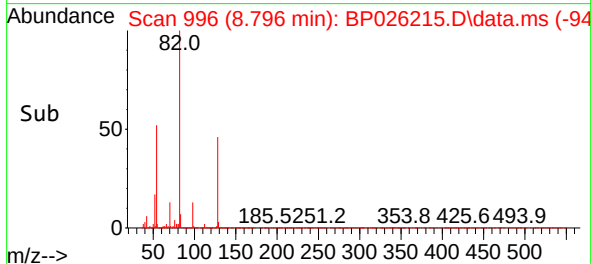
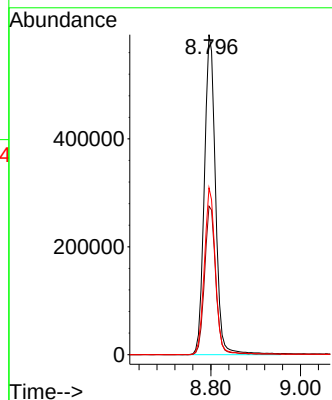
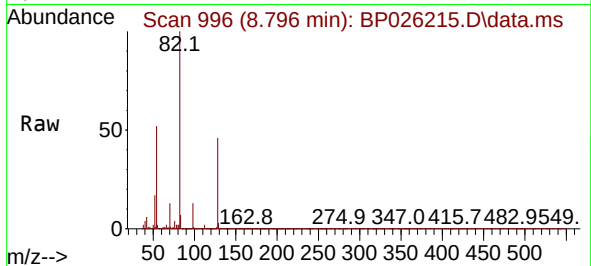




#23
Nitrobenzene-d5
Concen: 59.972 ng
RT: 8.796 min Scan# 91
Delta R.T. -0.017 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

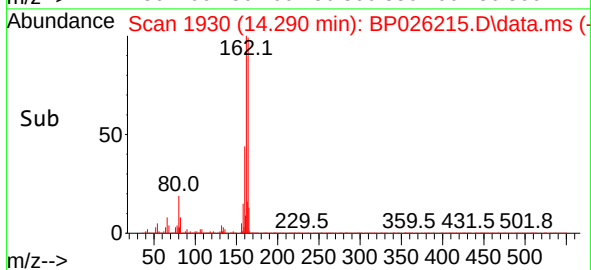
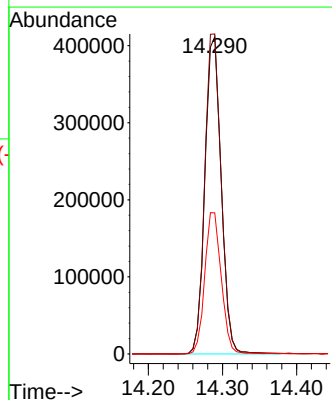
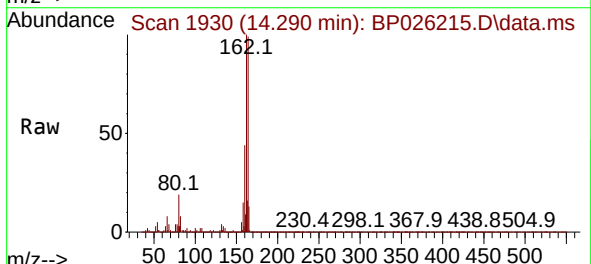
Instrument :
BNA_P
ClientSampleId :
SB-1125-19

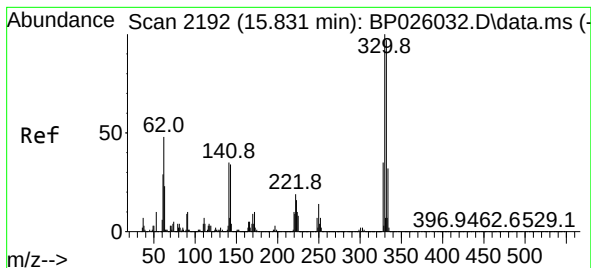
Tgt Ion: 82 Resp: 1027361
Ion Ratio Lower Upper
82 100
128 46.4 37.4 56.0
54 52.2 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.290 min Scan# 1930
Delta R.T. -0.035 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

Tgt Ion:164 Resp: 629073
Ion Ratio Lower Upper
164 100
162 100.9 80.3 120.5
160 44.5 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 95.454 ng

RT: 15.813 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

Instrument :

BNA_P

ClientSampleId :

SB-1125-19

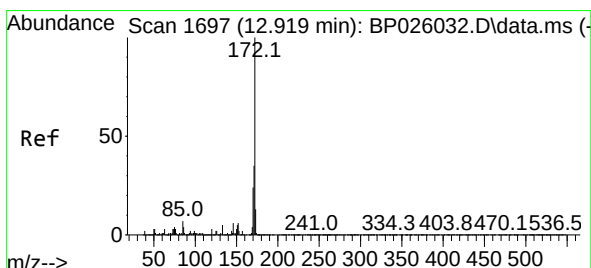
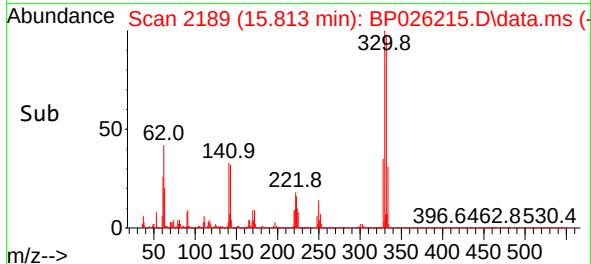
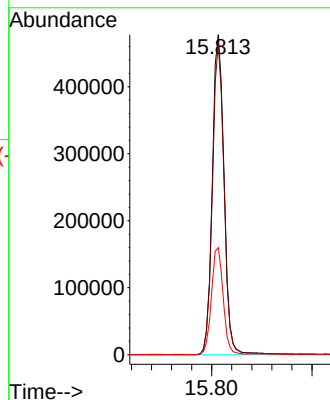
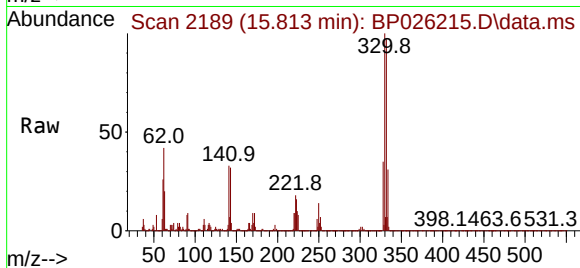
Tgt Ion:330 Resp: 778959

Ion Ratio Lower Upper

330 100

332 96.3 78.0 117.0

141 33.3 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 60.236 ng

RT: 12.896 min Scan# 1693

Delta R.T. -0.035 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

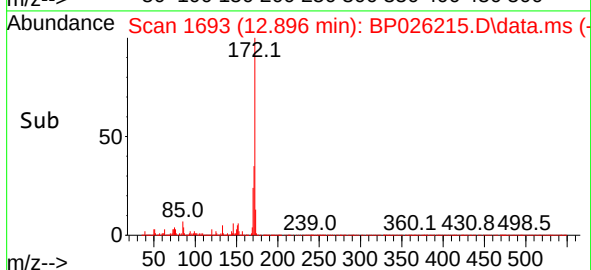
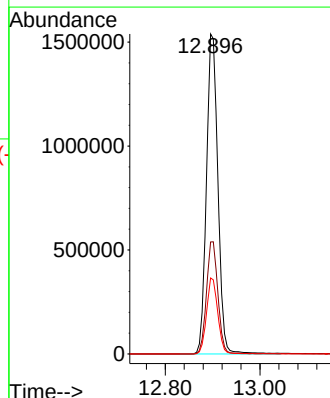
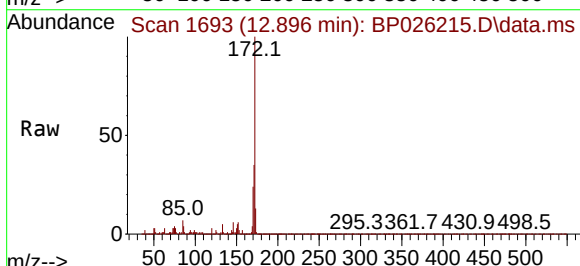
Tgt Ion:172 Resp: 2585511

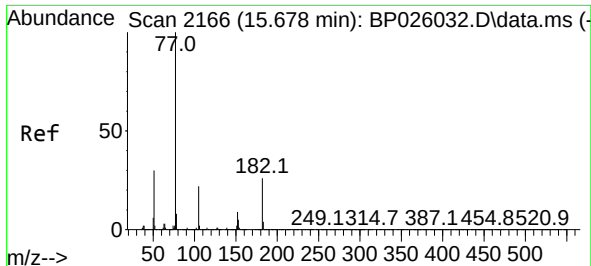
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.7 18.7 28.1

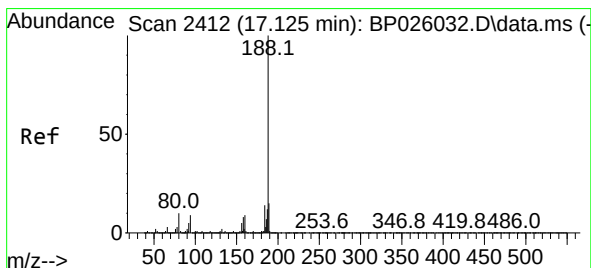
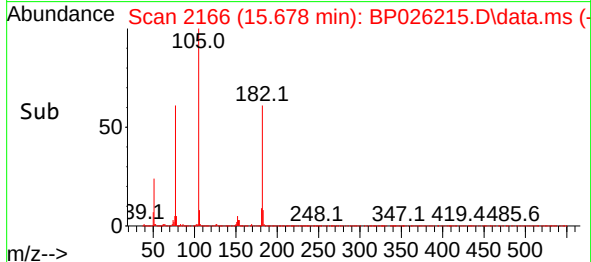
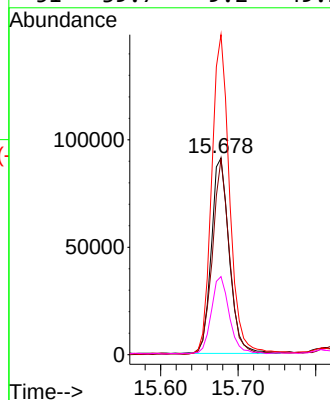
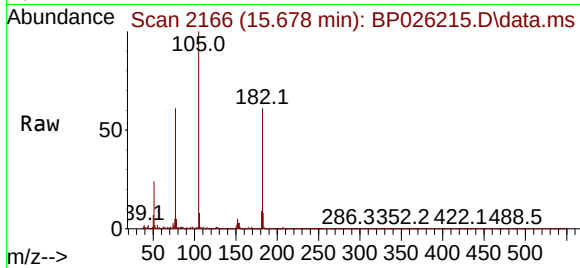




#63
Azobenzene
Concen: 3.667 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

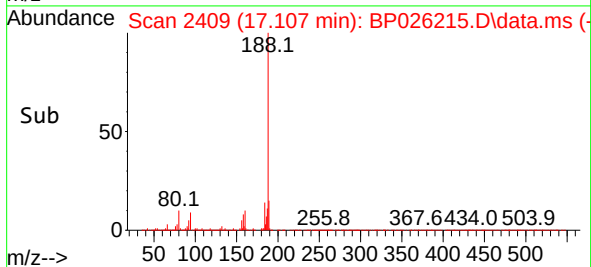
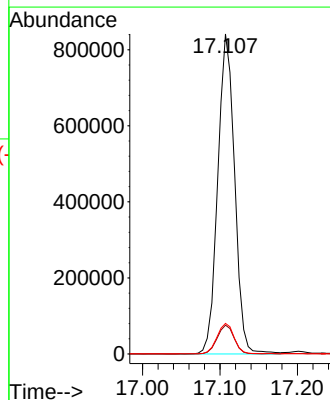
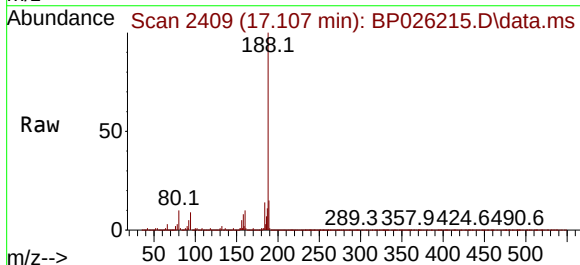
Instrument :
BNA_P
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SB-1125-19

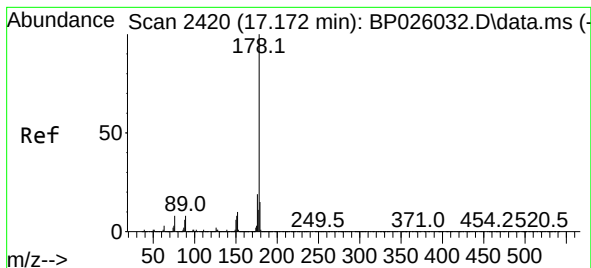
Tgt Ion: 77 Resp: 146331
Ion Ratio Lower Upper
77 100
182 99.4 8.8 48.8#
105 162.7 2.6 42.6#
51 39.7 9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.107 min Scan# 2409
Delta R.T. -0.023 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

Tgt Ion:188 Resp: 1276770
Ion Ratio Lower Upper
188 100
94 9.0 7.8 11.6
80 9.6 8.2 12.2





#71

Phenanthrene

Concen: 2.033 ng

RT: 17.148 min Scan# 2416

Delta R.T. -0.029 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

Instrument :

BNA_P

ClientSampleId :

SB-1125-19

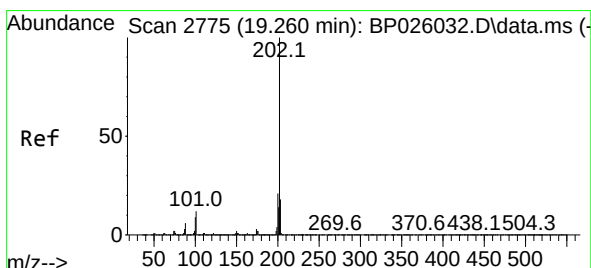
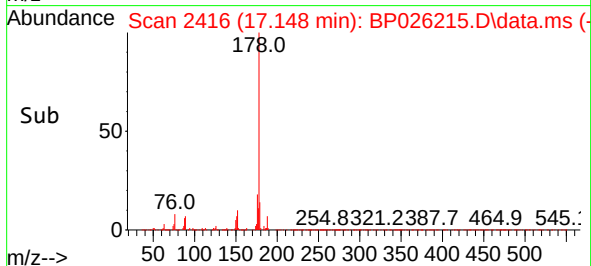
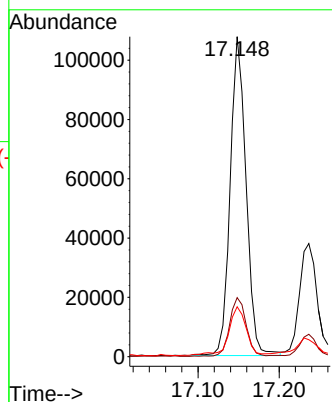
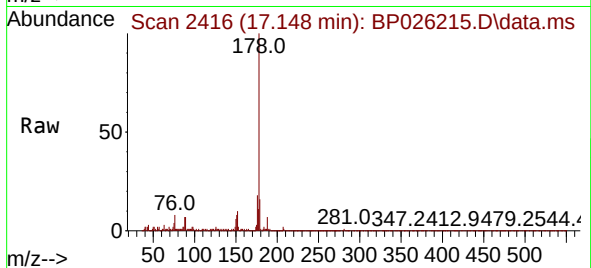
Tgt Ion:178 Resp: 146193

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

179 15.6 12.4 18.6



#75

Fluoranthene

Concen: 3.945 ng

RT: 19.242 min Scan# 2772

Delta R.T. -0.023 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

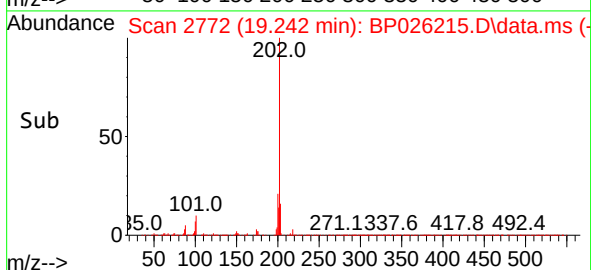
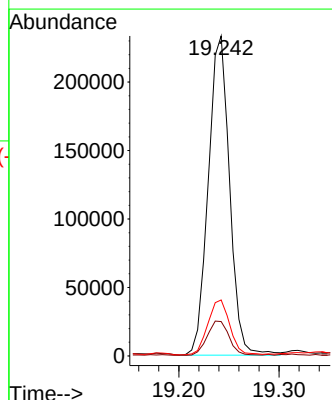
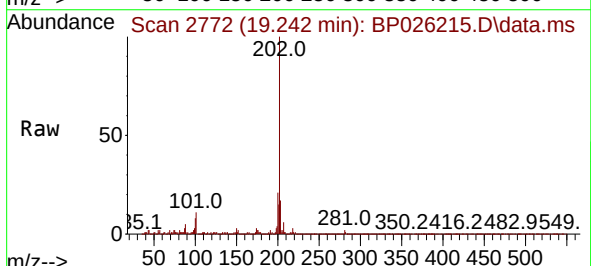
Tgt Ion:202 Resp: 344725

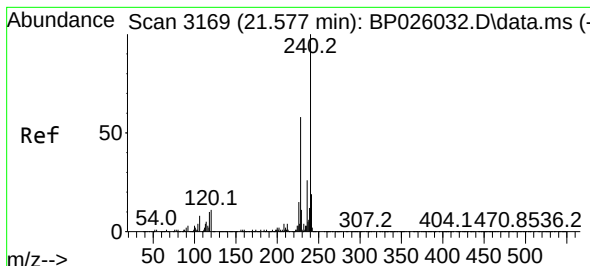
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.2

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.548 min Scan# 3164

Delta R.T. -0.023 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

Instrument :

BNA_P

ClientSampleId :

SB-1125-19

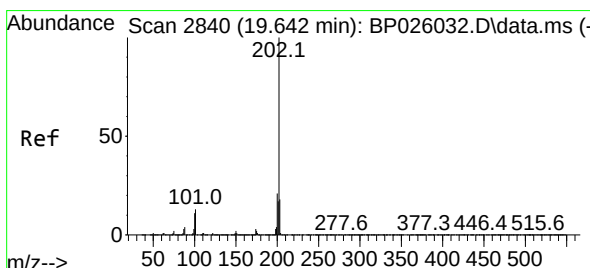
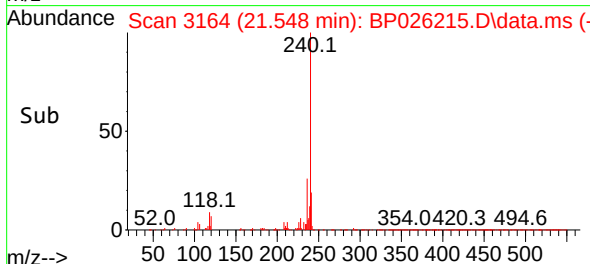
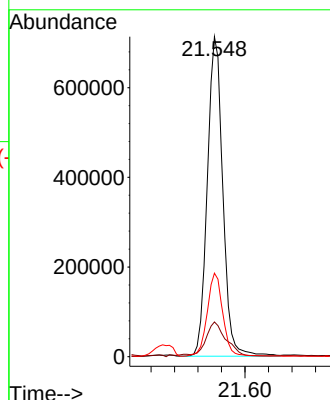
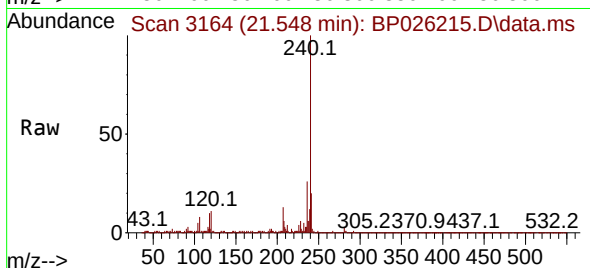
Tgt Ion:240 Resp: 1306666

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.4

236 26.1 20.4 30.6



#78

Pyrene

Concen: 4.225 ng

RT: 19.613 min Scan# 2835

Delta R.T. -0.029 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

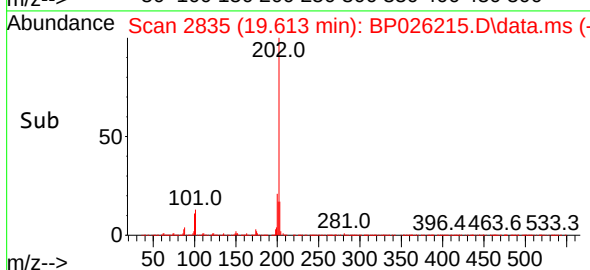
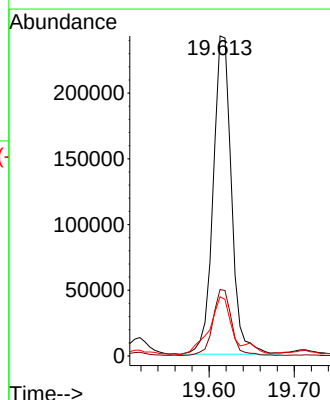
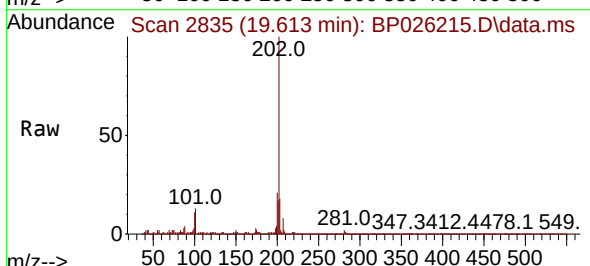
Tgt Ion:202 Resp: 361968

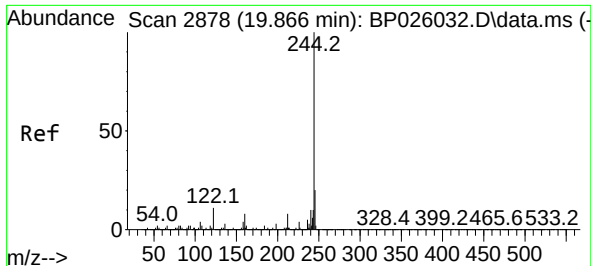
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 18.5 13.8 20.8

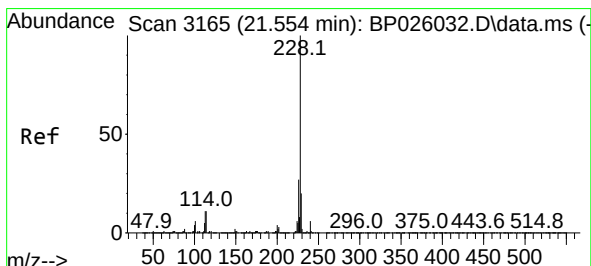
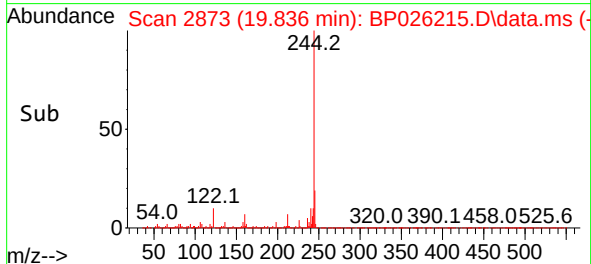
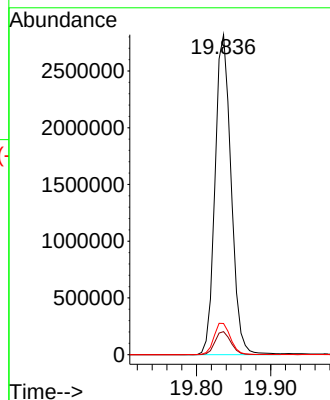
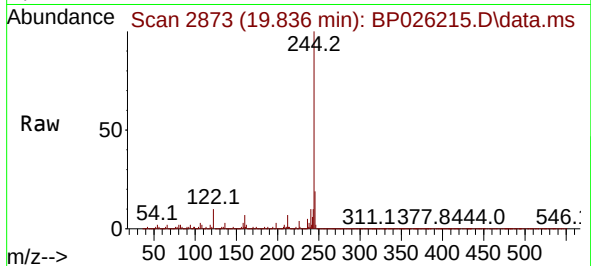




#79
 Terphenyl-d14
 Concen: 66.244 ng
 RT: 19.836 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BP026215.D
 Acq: 02 Dec 2025 19:59

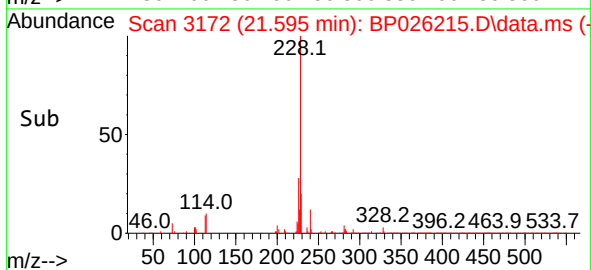
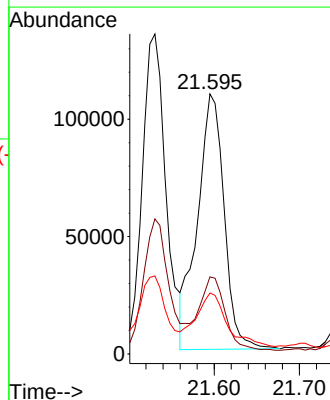
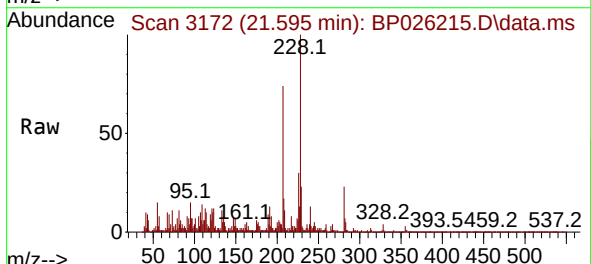
Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-19

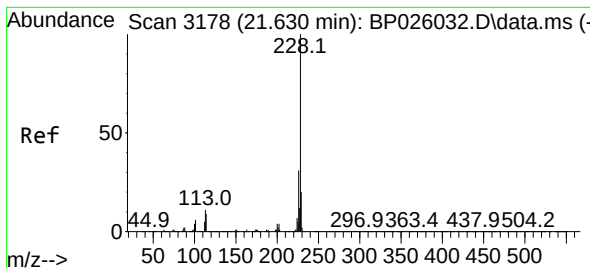
Tgt Ion:244 Resp: 4245021
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 9.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.651 ng
 RT: 21.595 min Scan# 3172
 Delta R.T. 0.041 min
 Lab File: BP026215.D
 Acq: 02 Dec 2025 19:59

Tgt Ion:228 Resp: 237895
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.8
 229 23.5 15.9 23.9





#83

Chrysene

Concen: 2.813 ng

RT: 21.595 min Scan# 3115

Delta R.T. -0.023 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

Instrument :

BNA_P

ClientSampleId :

SB-1125-19

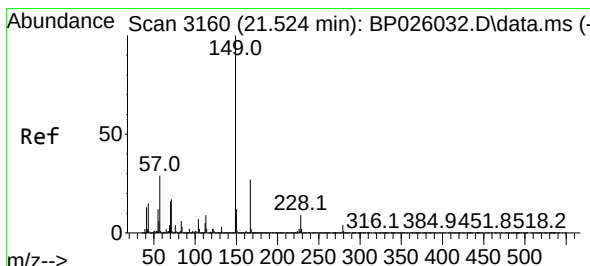
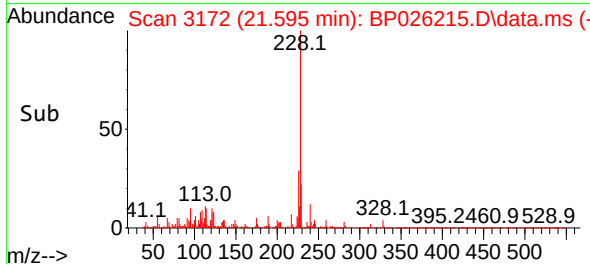
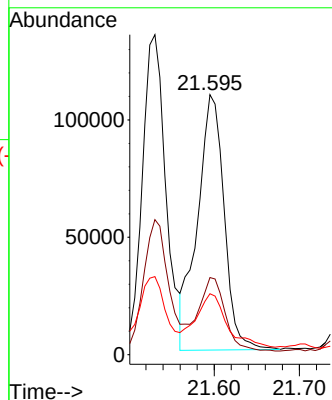
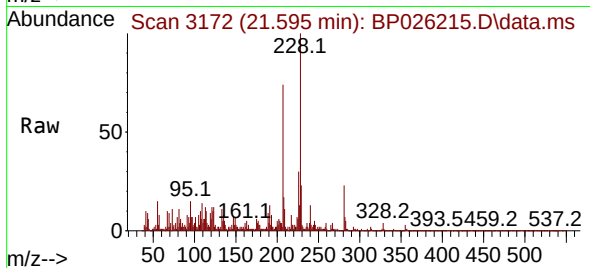
Tgt Ion:228 Resp: 237895

Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 23.5 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.618 ng

RT: 21.260 min Scan# 3115

Delta R.T. -0.259 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

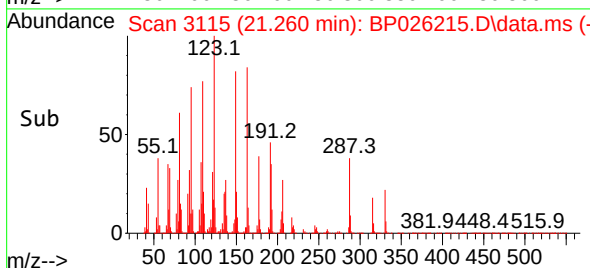
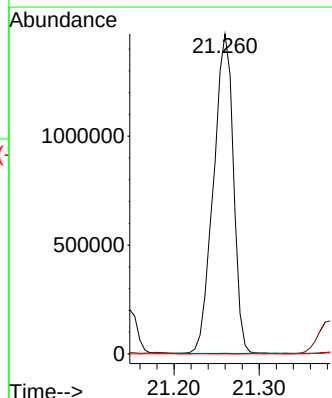
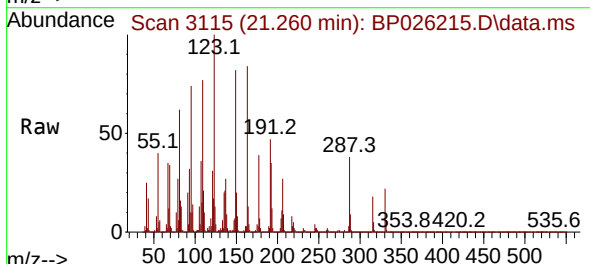
Tgt Ion:149 Resp: 2377007

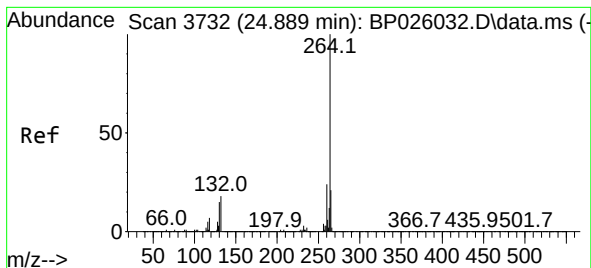
Ion Ratio Lower Upper

149 100

167 0.2 22.1 33.1#

279 0.0 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.076 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

Instrument :

BNA_P

ClientSampleId :

SB-1125-19

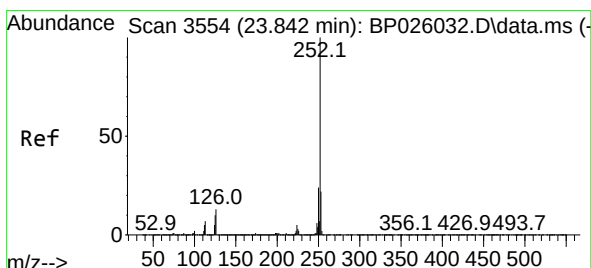
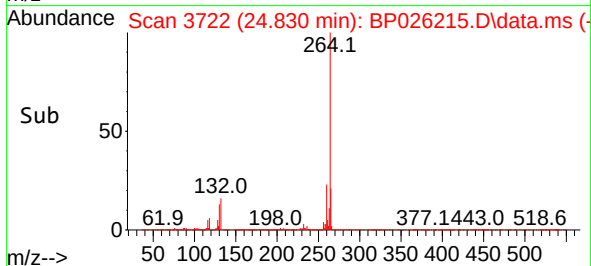
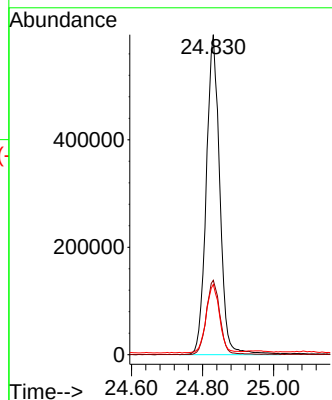
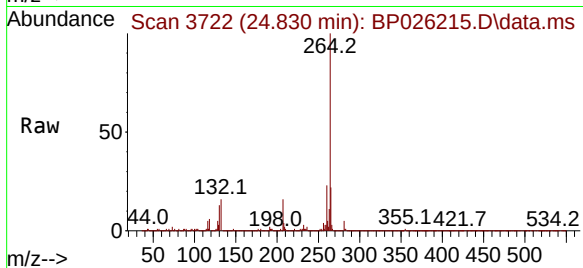
Tgt Ion:264 Resp: 1576459

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.034 ng

RT: 23.789 min Scan# 3545

Delta R.T. -0.076 min

Lab File: BP026215.D

Acq: 02 Dec 2025 19:59

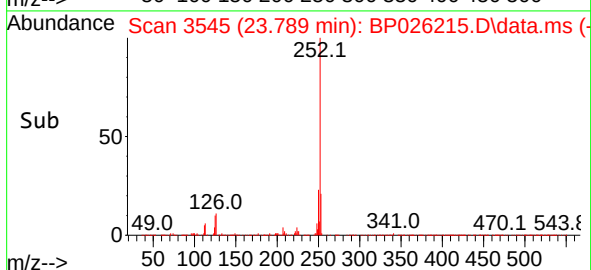
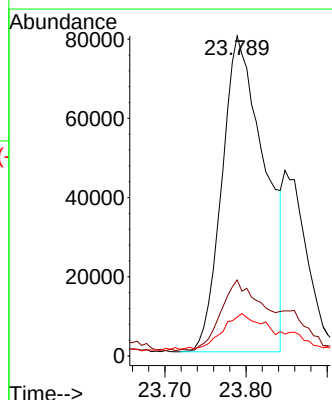
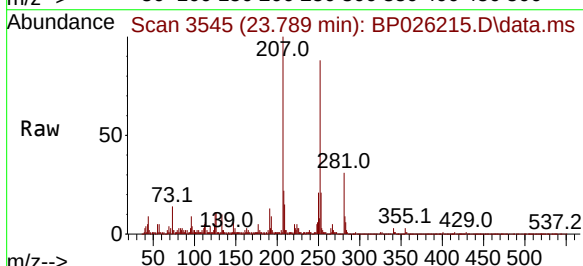
Tgt Ion:252 Resp: 291257

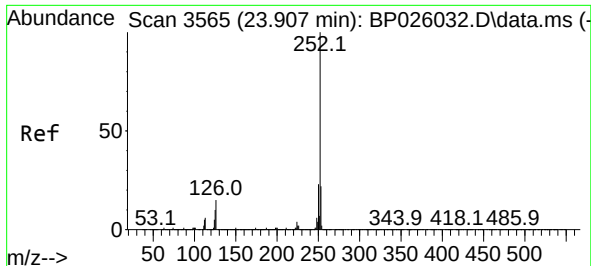
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 12.2 8.2 12.4

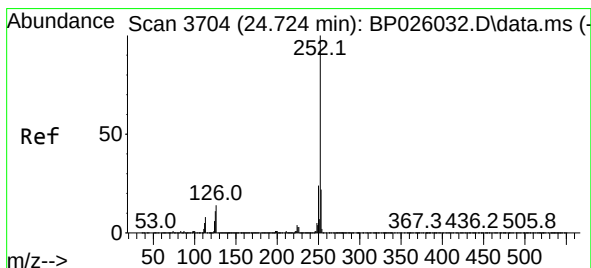
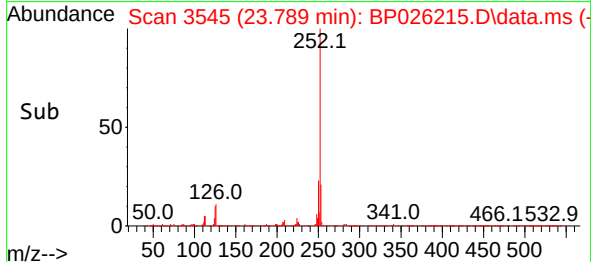
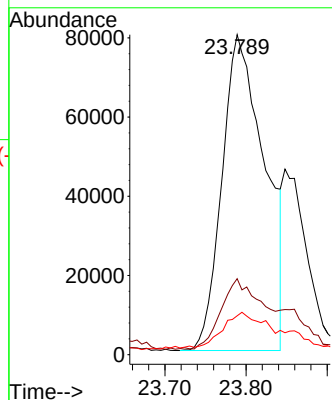
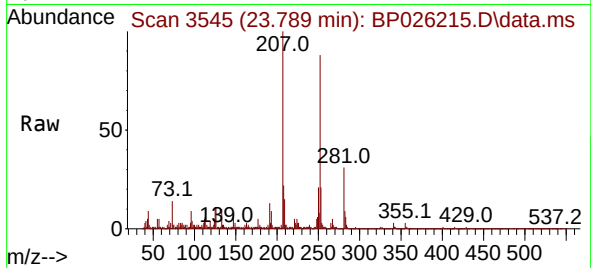




#89
Benzo(k)fluoranthene
Concen: 3.037 ng
RT: 23.789 min Scan# 31
Delta R.T. -0.147 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

Instrument :
BNA_P
ClientSampleId :
SB-1125-19

Tgt Ion:252 Resp: 291257
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.2 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 2.774 ng
RT: 24.683 min Scan# 3697
Delta R.T. -0.070 min
Lab File: BP026215.D
Acq: 02 Dec 2025 19:59

Tgt Ion:252 Resp: 252219
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 12.1 9.0 13.6

