

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
 Data File : BP026135.D
 Acq On : 13 Nov 2025 19:45
 Operator : RC/JU
 Sample : Q3601-09DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3DL

Quant Time: Nov 14 03:54:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

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

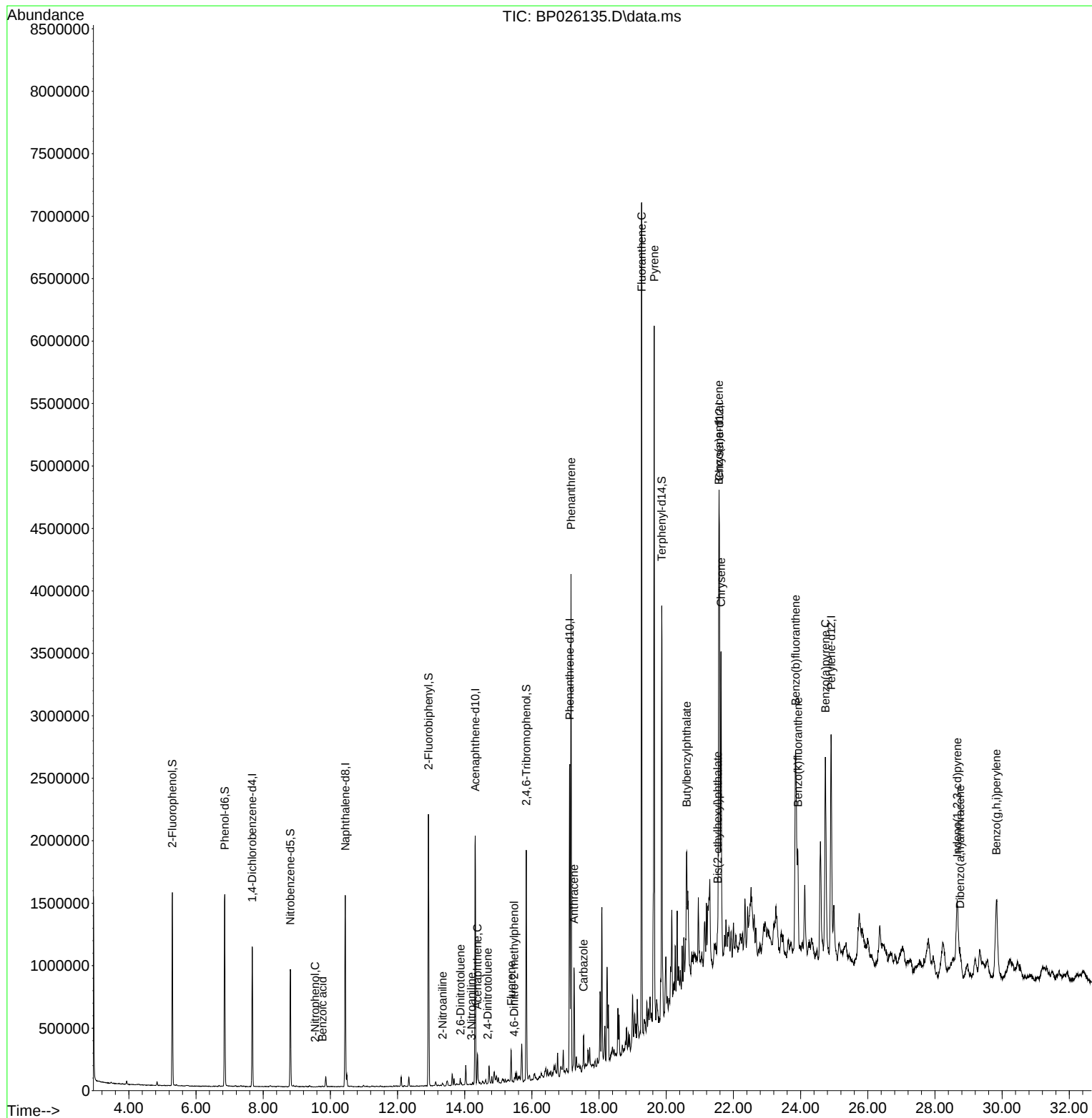
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	326524	20.000	ng	-0.02
21) Naphthalene-d8	10.443	136	1257617	20.000	ng	-0.01
39) Acenaphthene-d10	14.313	164	758862	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1552676	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1568278	20.000	ng	0.02
86) Perylene-d12	24.907	264	1769470	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	723468	36.561	ng	0.00
7) Phenol-d6	6.855	99	914968	36.328	ng	0.00
23) Nitrobenzene-d5	8.808	82	524485	25.999	ng	-0.02
42) 2,4,6-Tribromophenol	15.831	330	344274	41.964	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	1278358	24.206	ng	-0.01
79) Terphenyl-d14	19.866	244	1717705	22.253	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.543	139	108	2.690	ng	# 1
32) Benzoic acid	9.766	122	215	3.141	ng	# 21
48) 2-Nitroaniline	13.343	65	181	2.924	ng	# 58
51) 2,6-Dinitrotoluene	13.872	165	512	3.037	ng	# 1
52) Acenaphthene	14.378	154	95252	2.082	ng	97
53) 3-Nitroaniline	14.201	138	205	2.653	ng	# 52
57) 2,4-Dinitrotoluene	14.684	165	517	3.119	ng	# 49
58) Fluorene	15.384	166	121387	2.242	ng	98
65) 4,6-Dinitro-2-methylph...	15.466	198	181	2.007	ng	# 1
71) Phenanthrene	17.166	178	2466541	27.293	ng	100
72) Anthracene	17.254	178	572047	6.386	ng	99
73) Carbazole	17.537	167	199582	2.354	ng	100
75) Fluoranthene	19.266	202	3727656	35.359	ng	98
78) Pyrene	19.642	202	3519801	33.184	ng	100
80) Butylbenzylphthalate	20.607	149	29172	4.082	ng	# 57
81) Benzo(a)anthracene	21.566	228	1787396	16.586	ng	96
83) Chrysene	21.630	228	1644798	16.112	ng	98
84) Bis(2-ethylhexyl)phtha...	21.530	149	55906	3.434	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.665	276	1143083	8.750	ng	# 89
88) Benzo(b)fluoranthene	23.854	252	2183000	19.873	ng	96
89) Benzo(k)fluoranthene	23.919	252	683453	6.093	ng	96
90) Benzo(a)pyrene	24.736	252	1639274	16.244	ng	96
91) Dibenzo(a,h)anthracene	28.748	278	277682	2.612	ng	# 90
92) Benzo(g,h,i)perylene	29.830	276	1091611	10.671	ng	99

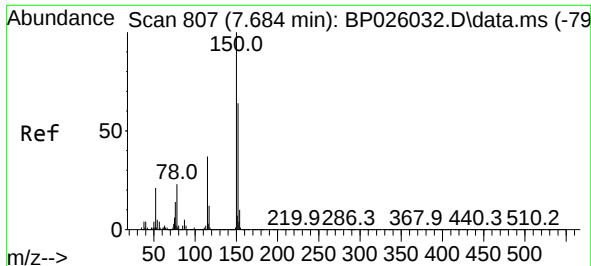
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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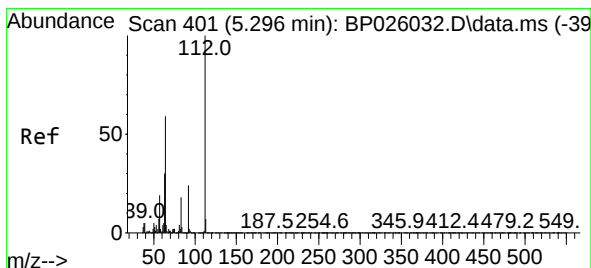
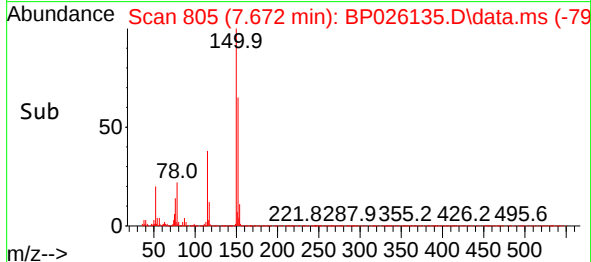
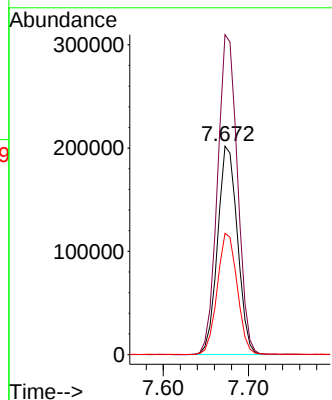
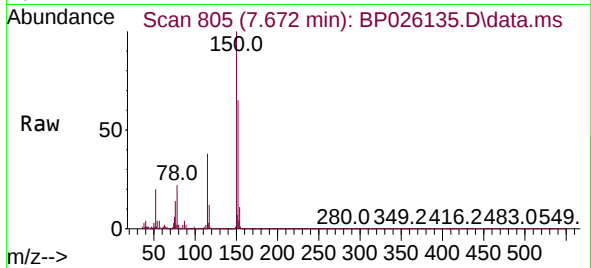




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 807
Delta R.T. -0.018 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

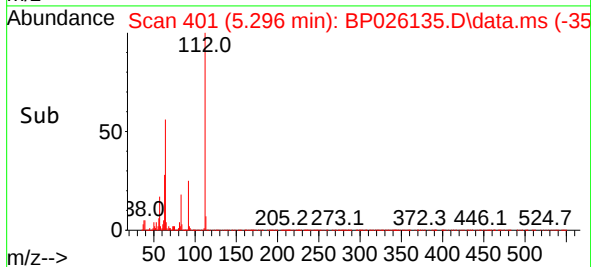
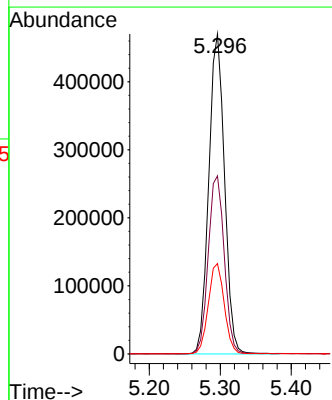
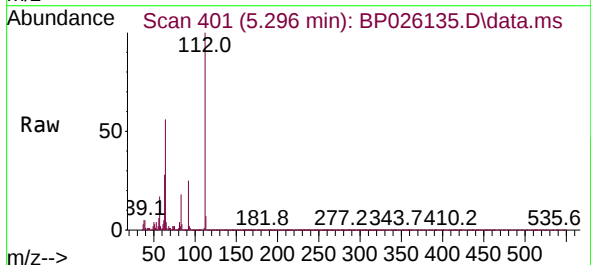
Instrument :
BNA_P
ClientSampleId :
TP-3DL

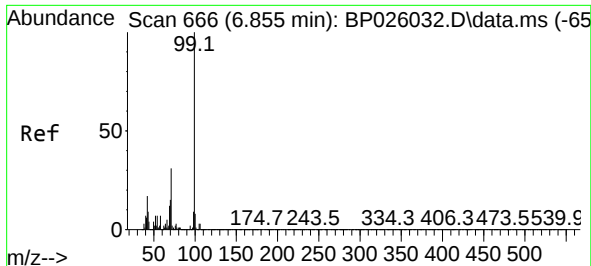
Tgt Ion:152 Resp: 326524
Ion Ratio Lower Upper
152 100
150 153.6 125.7 188.5
115 58.2 46.4 69.6



#5
2-Fluorophenol
Concen: 36.561 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:112 Resp: 723468
Ion Ratio Lower Upper
112 100
64 55.6 47.4 71.2
63 28.2 24.2 36.4

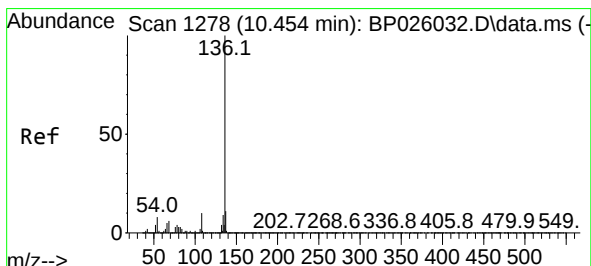
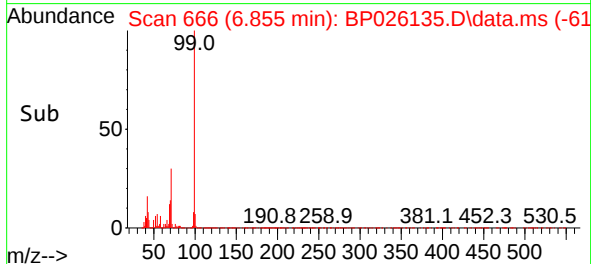
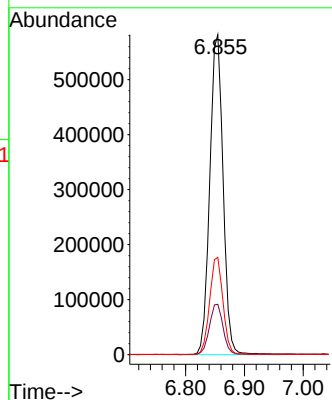
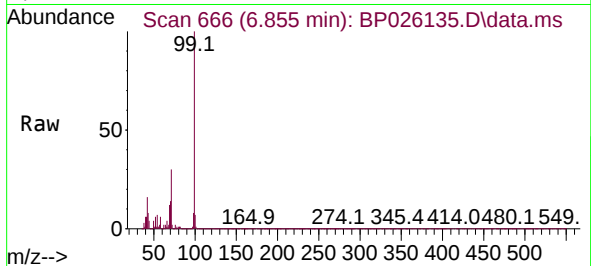




#7
Phenol-d6
Concen: 36.328 ng
RT: 6.855 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

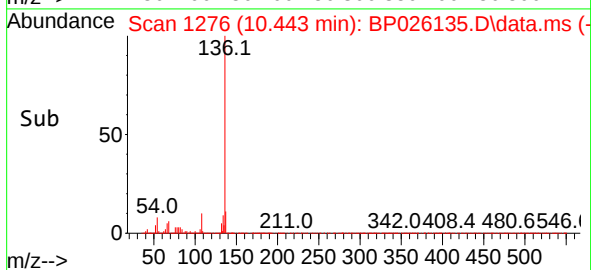
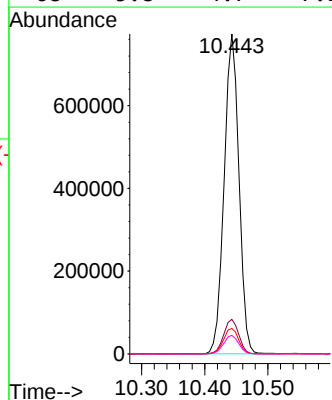
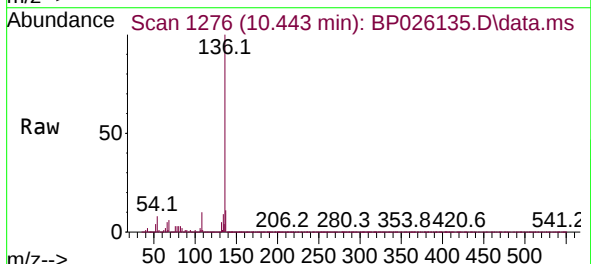
Instrument :
BNA_P
ClientSampleId :
TP-3DL

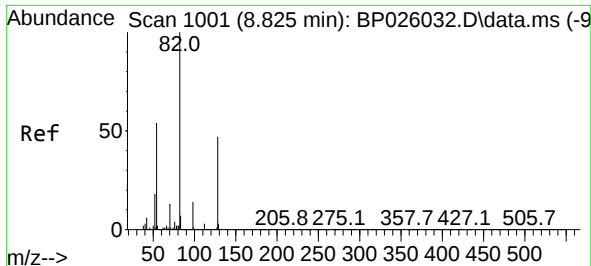
Tgt Ion: 99 Resp: 914968
Ion Ratio Lower Upper
99 100
42 15.7 13.7 20.5
71 30.4 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1276
Delta R.T. -0.011 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion: 136 Resp: 1257617
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.0 6.6 10.0
68 5.8 4.7 7.1

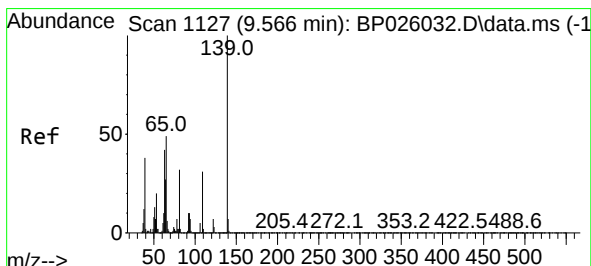
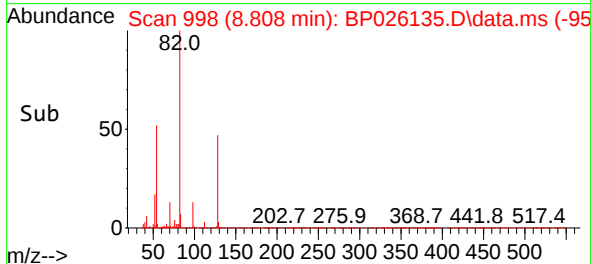
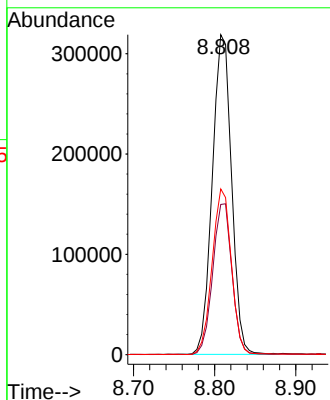
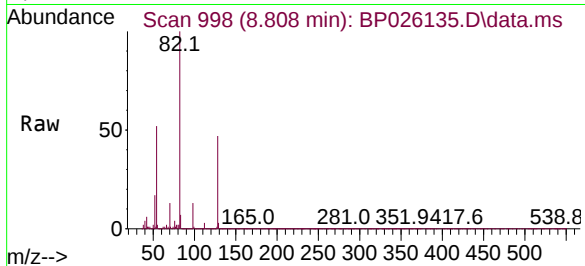




#23
Nitrobenzene-d5
Concen: 25.999 ng
RT: 8.808 min Scan# 99
Delta R.T. -0.017 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

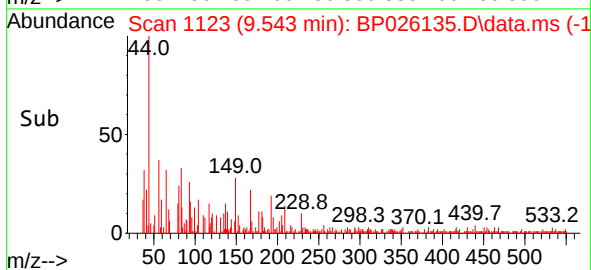
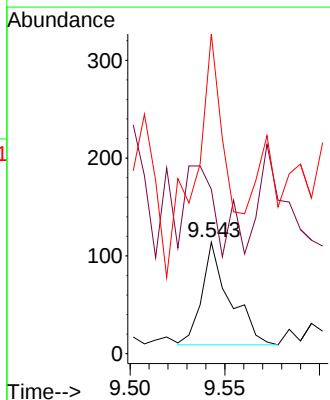
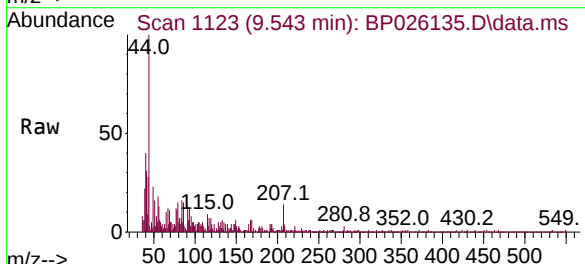
Instrument :
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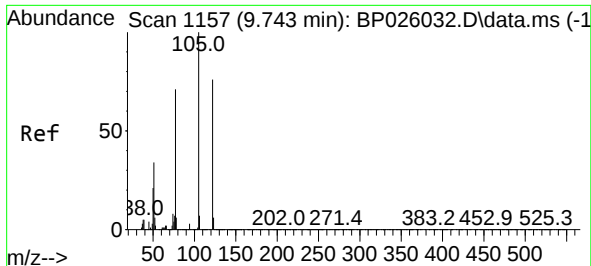
Tgt Ion: 82 Resp: 524485
Ion Ratio Lower Upper
82 100
128 47.0 37.4 56.0
54 51.8 42.7 64.1



#26
2-Nitrophenol
Concen: 2.690 ng
RT: 9.543 min Scan# 1123
Delta R.T. -0.023 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion: 139 Resp: 108
Ion Ratio Lower Upper
139 100
109 147.4 24.8 37.2#
65 286.8 39.0 58.4#

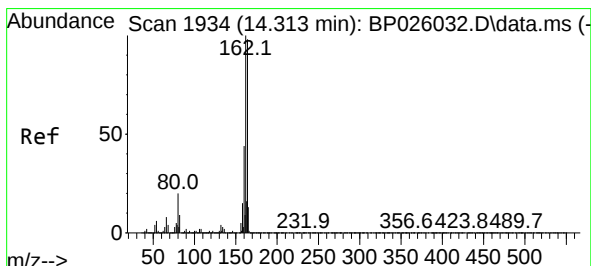
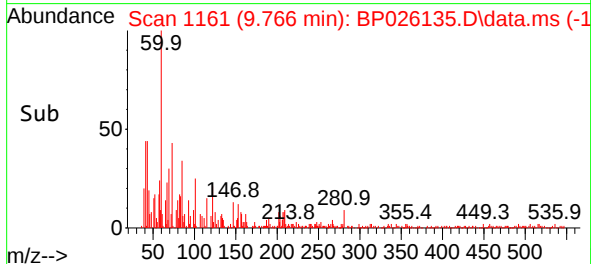
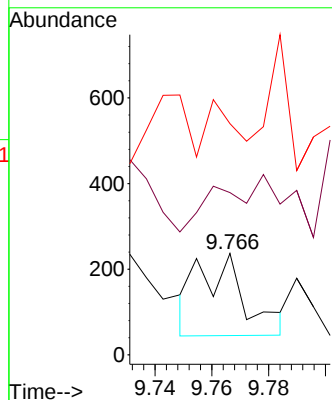
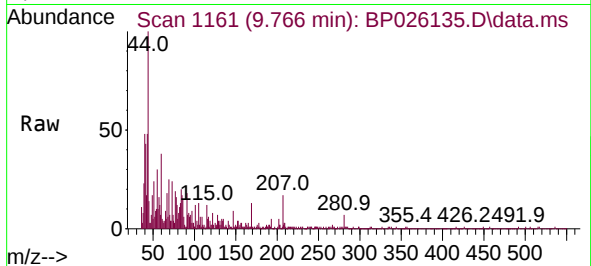




#32
Benzoic acid
Concen: 3.141 ng
RT: 9.766 min Scan# 1157
Delta R.T. -0.012 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

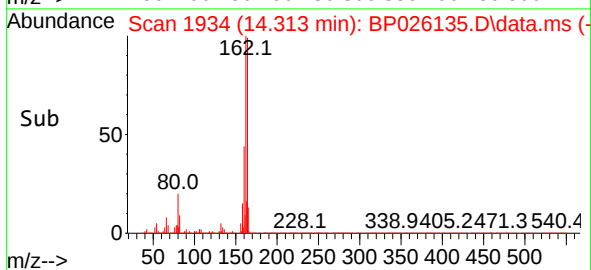
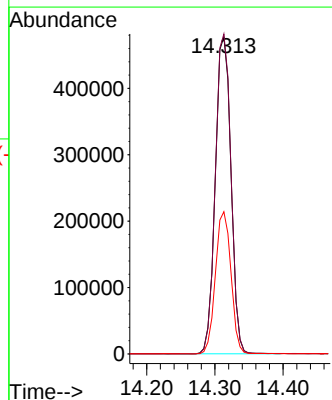
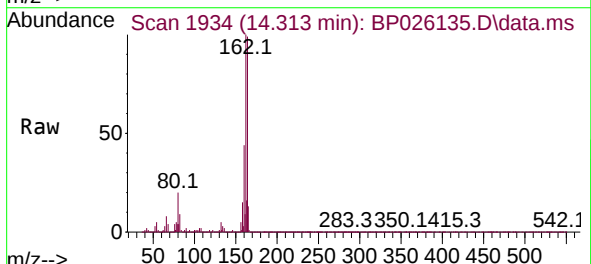
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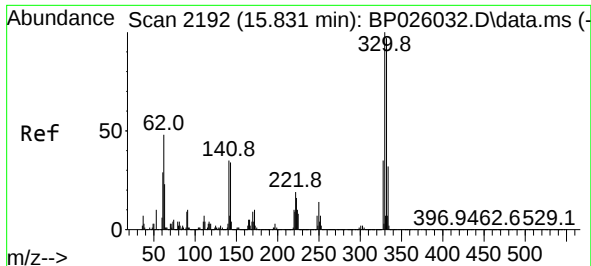
Tgt Ion:122 Resp: 215
Ion Ratio Lower Upper
122 100
105 159.9 104.8 144.8#
77 227.8 70.9 110.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:164 Resp: 758862
Ion Ratio Lower Upper
164 100
162 101.0 81.5 122.3
160 44.9 36.2 54.4

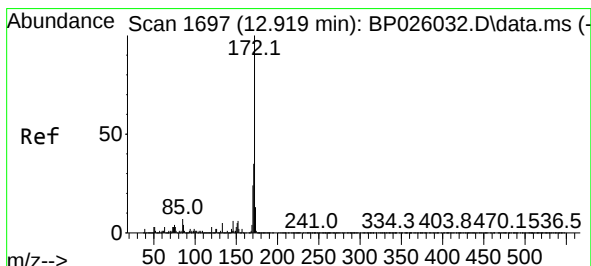
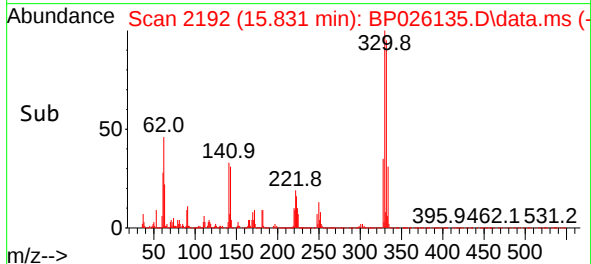
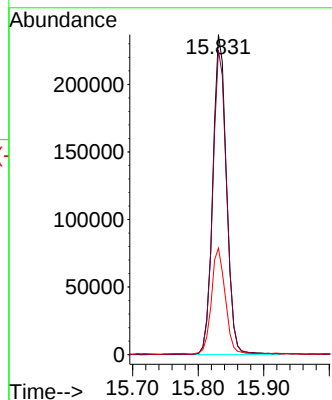
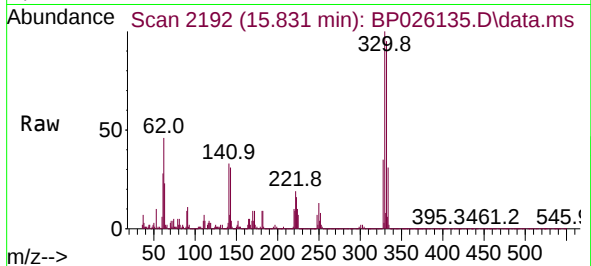




#42
2,4,6-Tribromophenol
Concen: 41.964 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

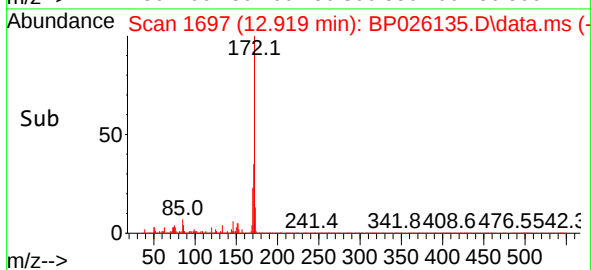
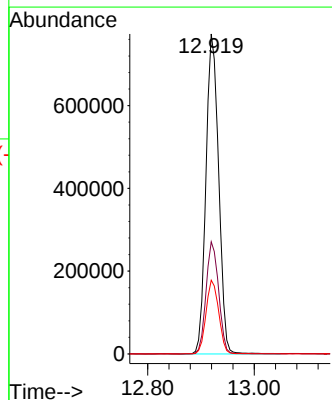
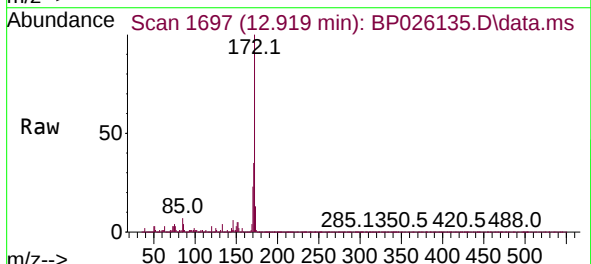
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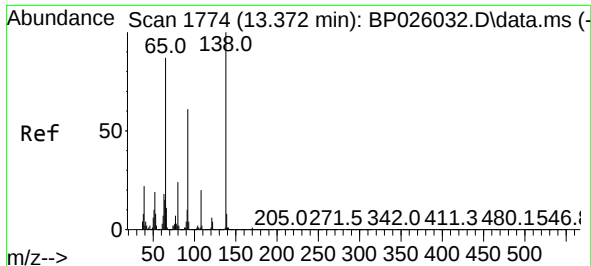
Tgt Ion:330 Resp: 344274
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 33.0 28.6 42.8



#45
2-Fluorobiphenyl
Concen: 24.206 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:172 Resp: 1278358
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.0 19.0 28.4

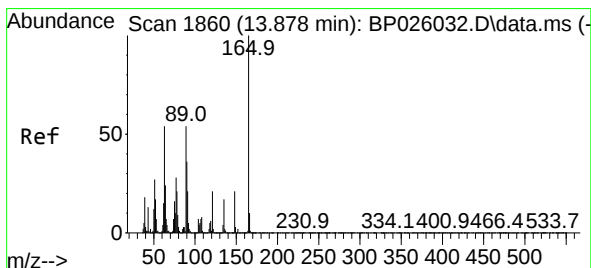
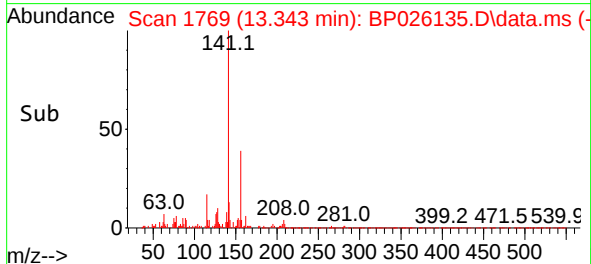
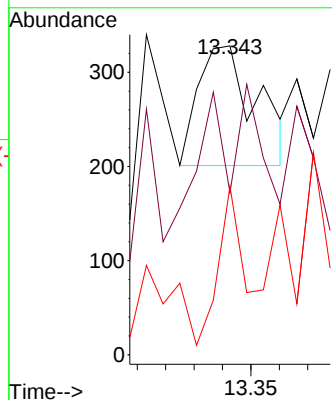
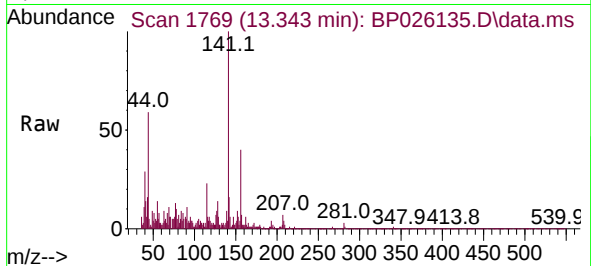




#48
2-Nitroaniline
Concen: 2.924 ng
RT: 13.343 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

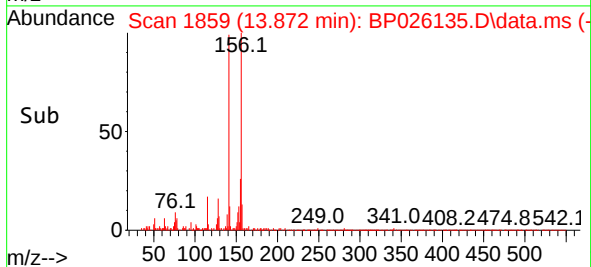
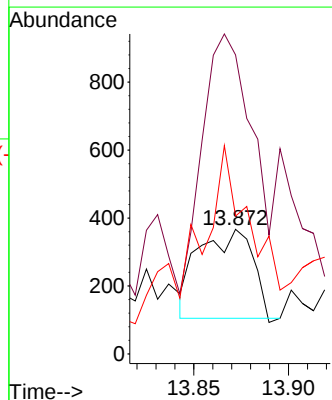
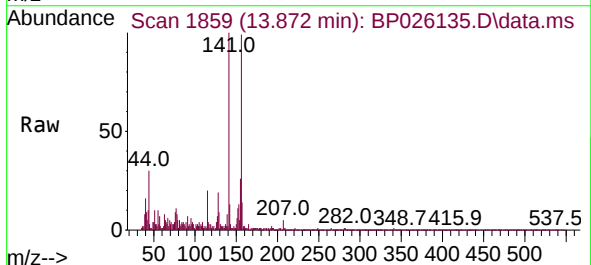
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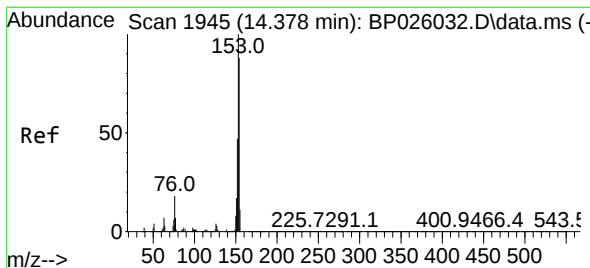
Tgt Ion: 65 Resp: 181
Ion Ratio Lower Upper
65 100
92 52.4 55.5 83.3#
138 54.6 91.7 137.5#



#51
2,6-Dinitrotoluene
Concen: 3.037 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:165 Resp: 512
Ion Ratio Lower Upper
165 100
63 239.8 43.0 64.4#
89 110.6 43.0 64.4#





#52

Acenaphthene

Concen: 2.082 ng

RT: 14.378 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

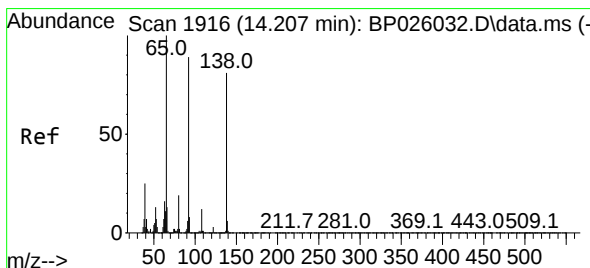
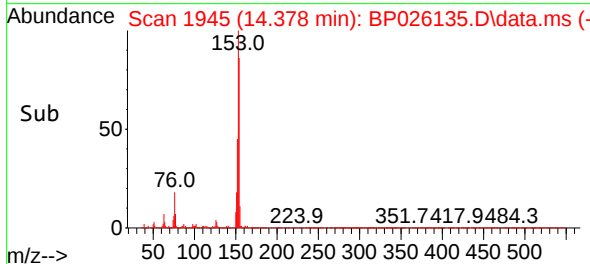
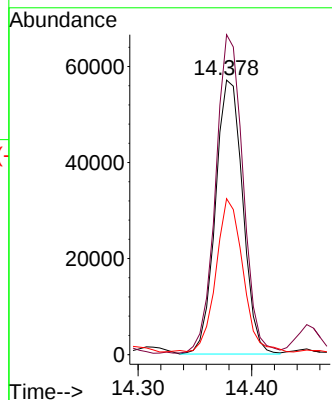
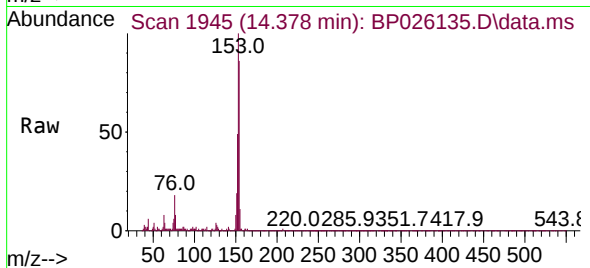
Tgt Ion:154 Resp: 95252

Ion Ratio Lower Upper

154 100

153 116.6 91.0 136.4

152 56.8 42.7 64.1



#53

3-Nitroaniline

Concen: 2.653 ng

RT: 14.201 min Scan# 1915

Delta R.T. -0.006 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

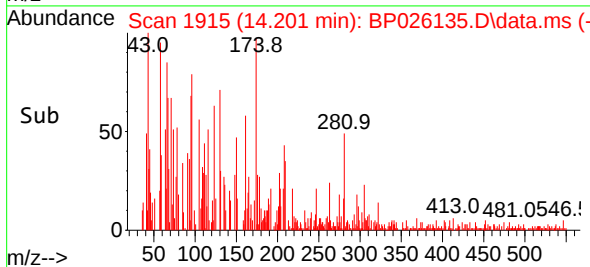
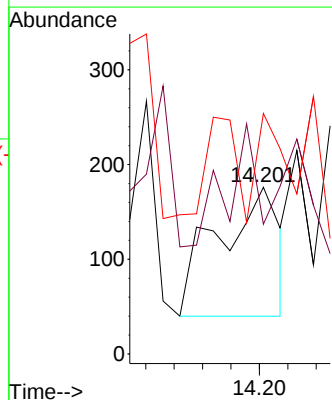
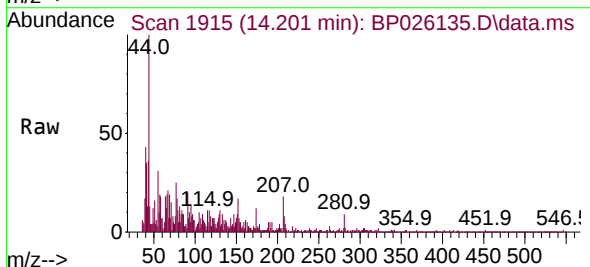
Tgt Ion:138 Resp: 205

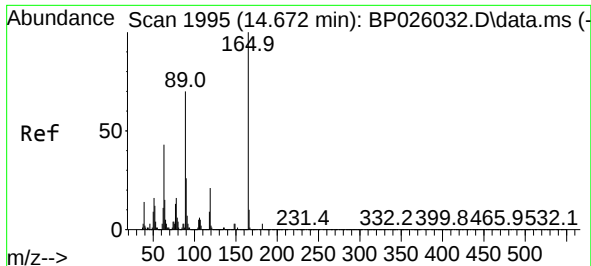
Ion Ratio Lower Upper

138 100

108 77.8 11.4 17.0#

92 144.3 87.1 130.7#

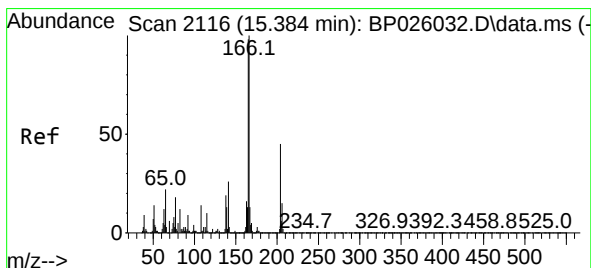
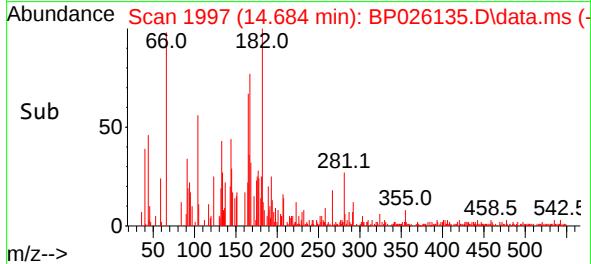
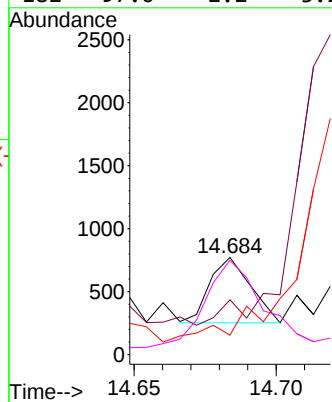
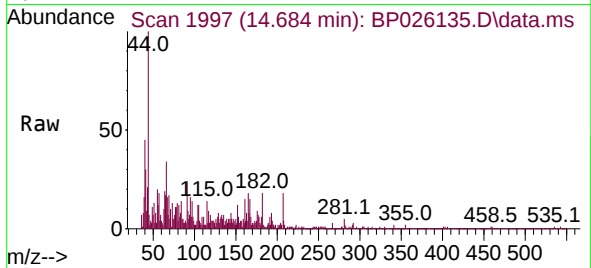




#57
2,4-Dinitrotoluene
Concen: 3.119 ng
RT: 14.684 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

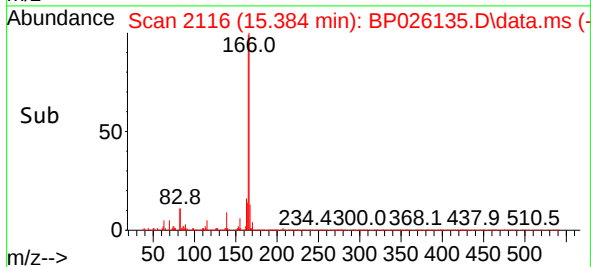
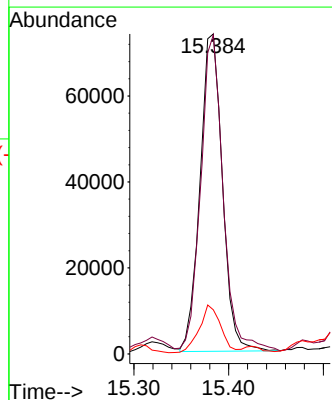
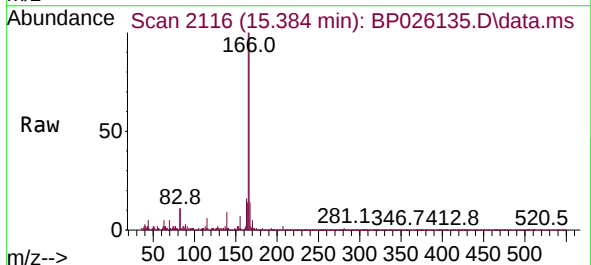
Instrument :
BNA_P
ClientSampleId :
TP-3DL

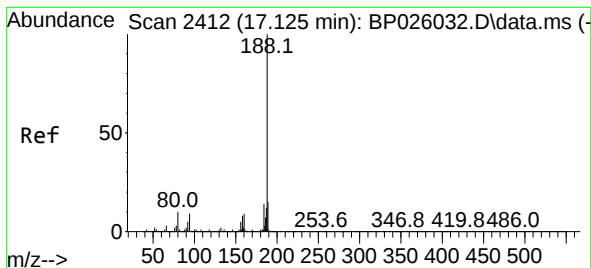
Tgt Ion:165	Resp:	517
Ion Ratio	Lower	Upper
165	100	
63	56.3	34.2 51.2#
89	20.1	56.0 84.0#
182	97.0	2.2 3.2#



#58
Fluorene
Concen: 2.242 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:166	Resp:	121387
Ion Ratio	Lower	Upper
166	100	
165	99.7	78.1 117.1
167	13.8	10.6 16.0

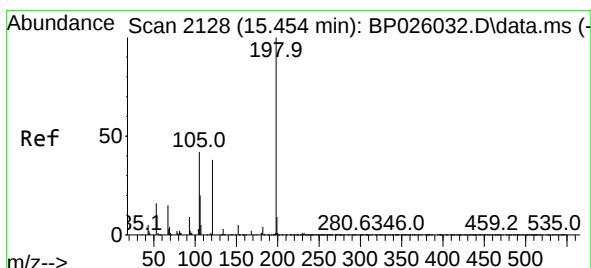
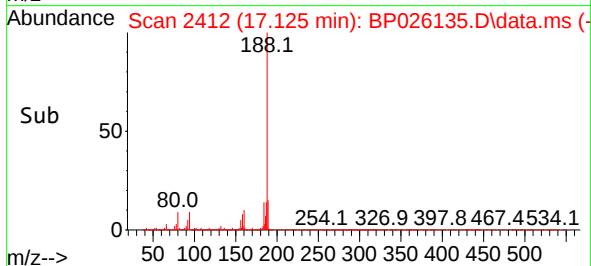
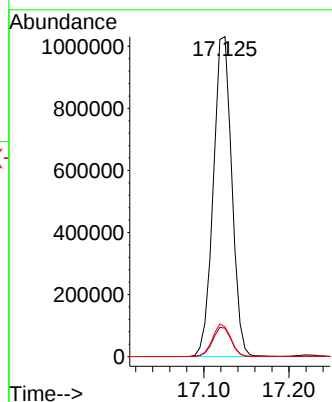
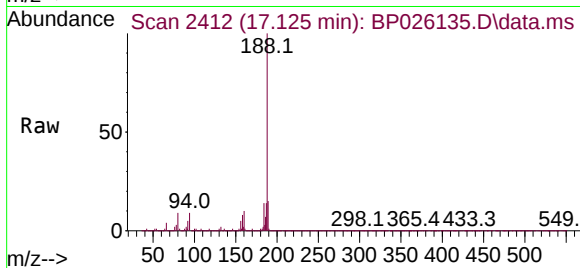




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

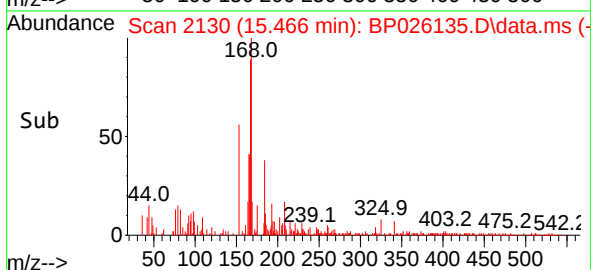
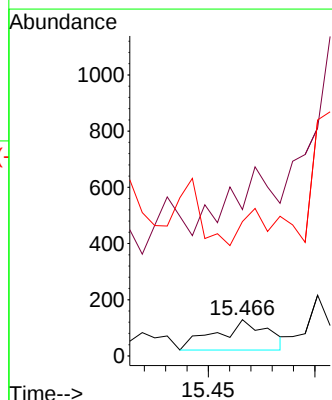
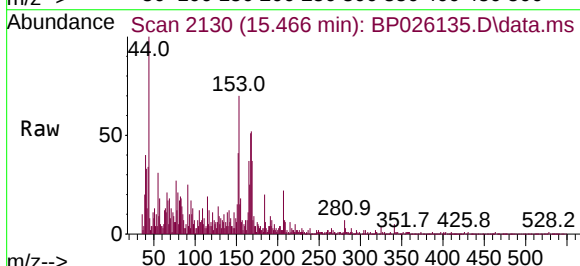
Instrument :
BNA_P
ClientSampleId :
TP-3DL

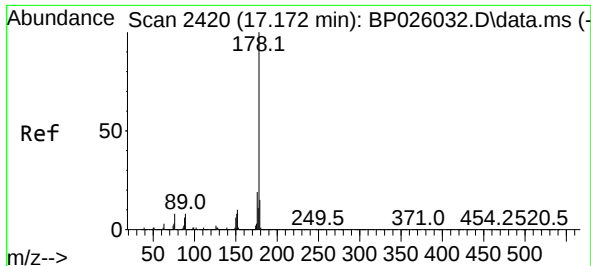
Tgt Ion:188 Resp: 1552676
Ion Ratio Lower Upper
188 100
94 8.9 7.1 10.7
80 9.3 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 2.007 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.012 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:198 Resp: 181
Ion Ratio Lower Upper
198 100
51 403.9 25.2 65.2#
105 370.5 23.7 63.7#

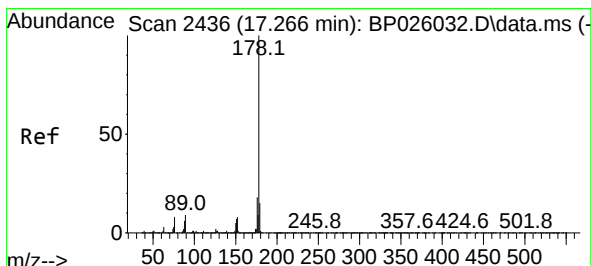
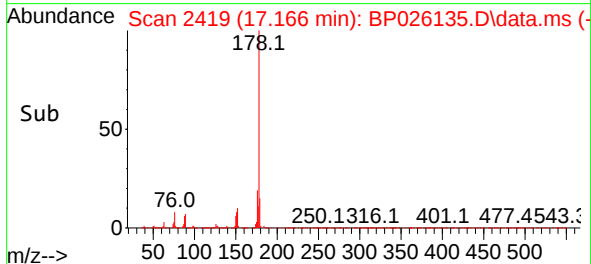
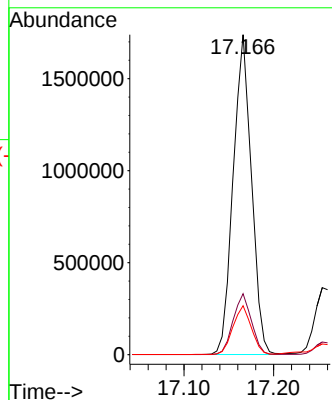
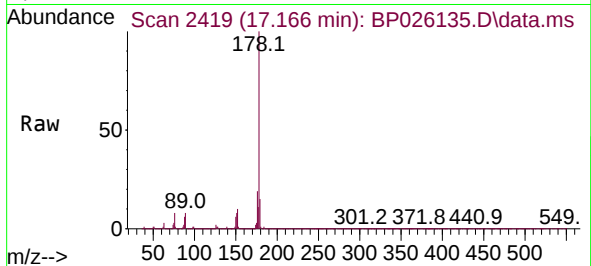




#71
Phenanthrene
Concen: 27.293 ng
RT: 17.166 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

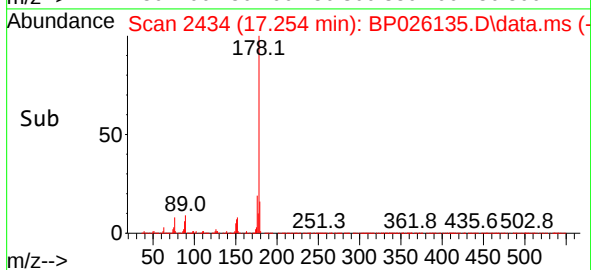
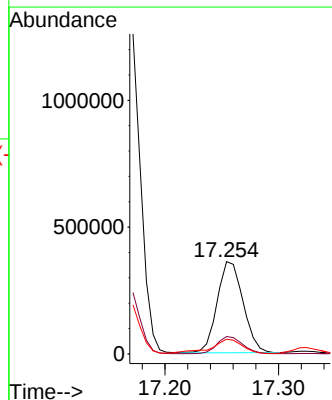
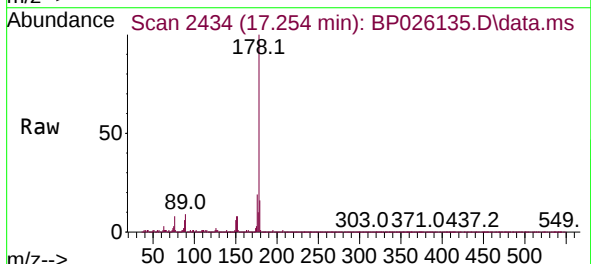
Instrument :
BNA_P
ClientSampleId :
TP-3DL

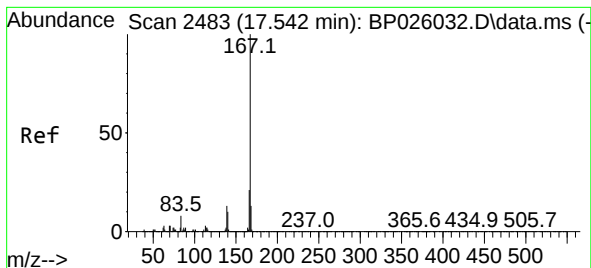
Tgt Ion:178 Resp: 2466541
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.3 18.5



#72
Anthracene
Concen: 6.386 ng
RT: 17.254 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:178 Resp: 572047
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.9 12.2 18.4





#73

Carbazole

Concen: 2.354 ng

RT: 17.537 min Scan# 2483

Delta R.T. 0.001 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

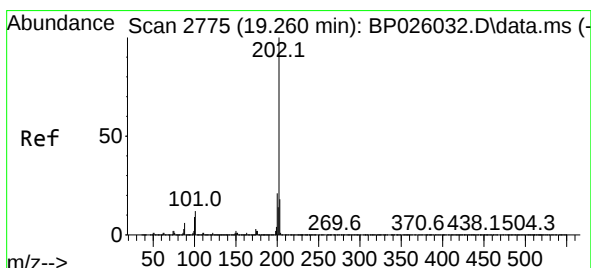
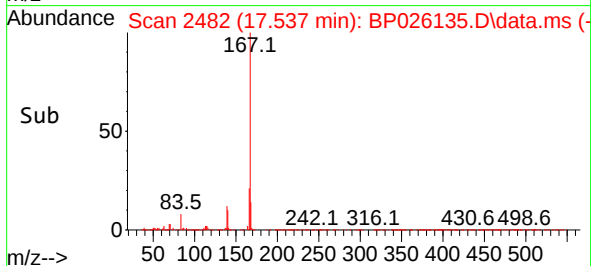
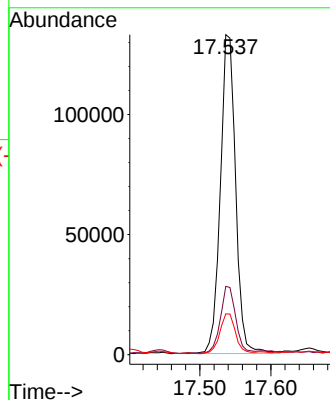
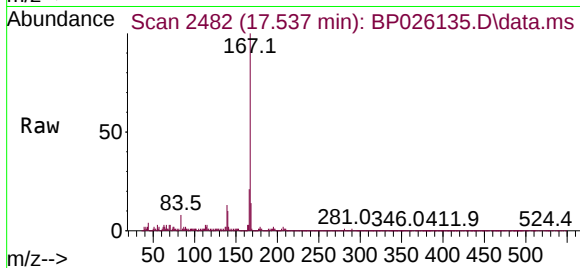
Tgt Ion:167 Resp: 199582

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 12.7 10.2 15.2



#75

Fluoranthene

Concen: 35.359 ng

RT: 19.266 min Scan# 2776

Delta R.T. 0.006 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

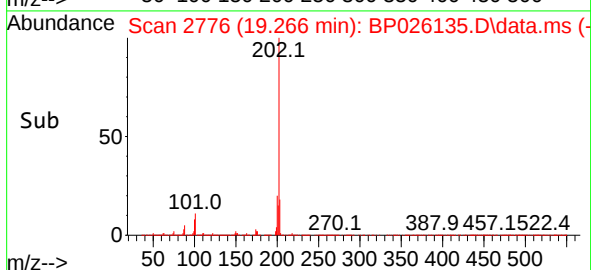
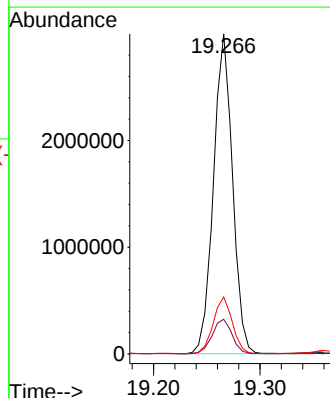
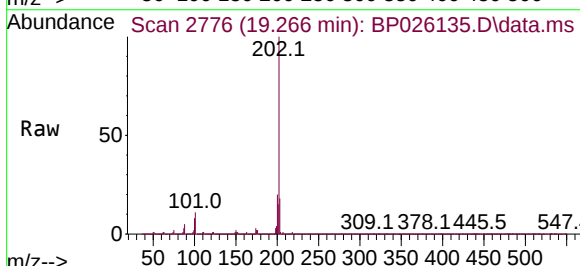
Tgt Ion:202 Resp: 3727656

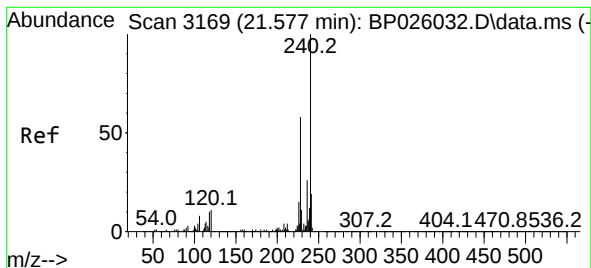
Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.1

203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

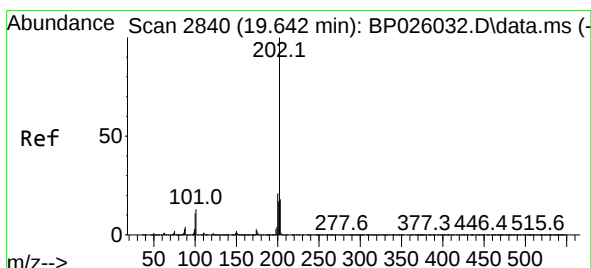
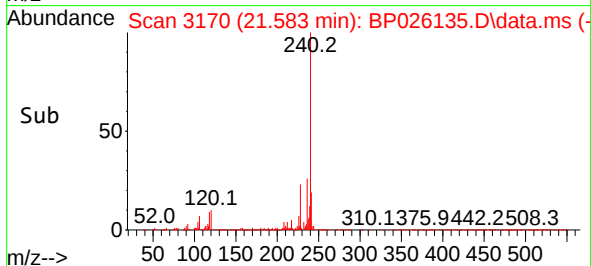
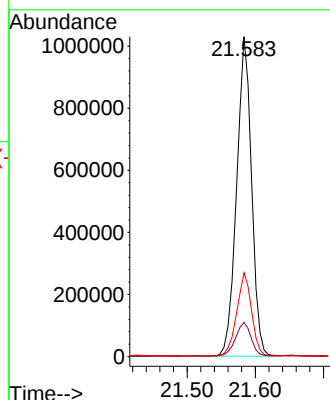
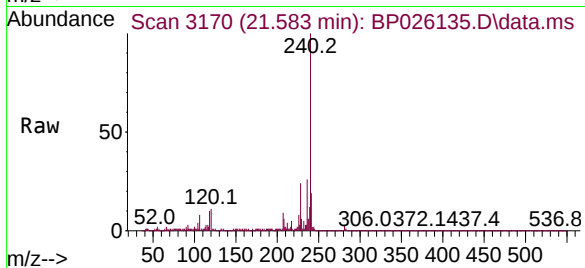
Tgt Ion:240 Resp: 1568278

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

236 26.2 20.6 31.0



#78

Pyrene

Concen: 33.184 ng

RT: 19.642 min Scan# 2840

Delta R.T. 0.006 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

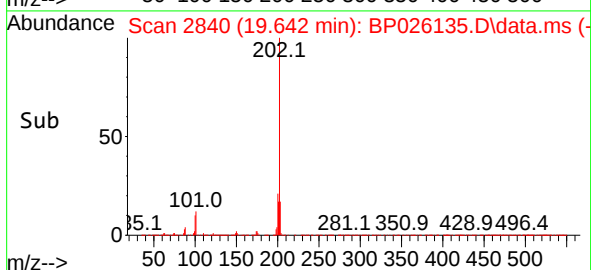
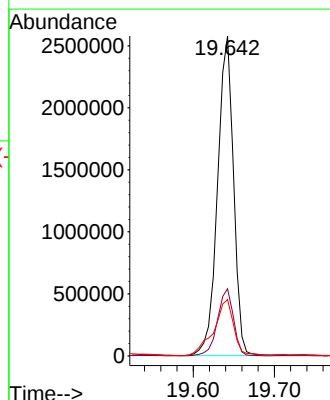
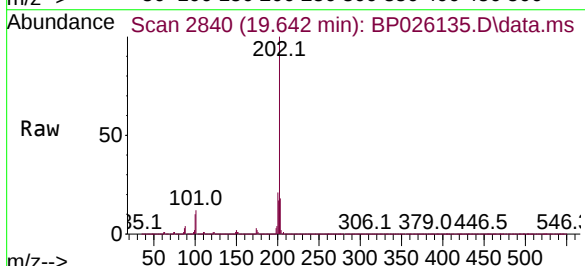
Tgt Ion:202 Resp: 3519801

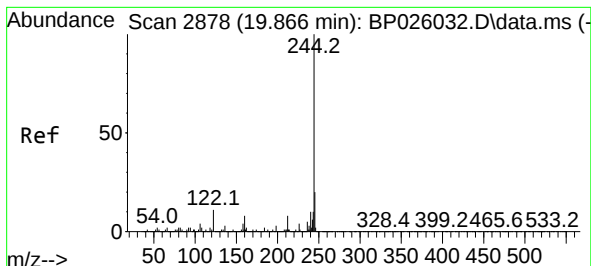
Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 22.253 ng

RT: 19.866 min Scan# 2878

Delta R.T. 0.000 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

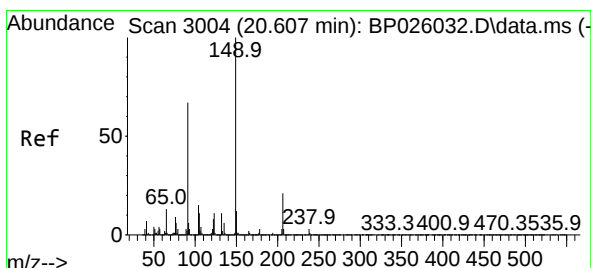
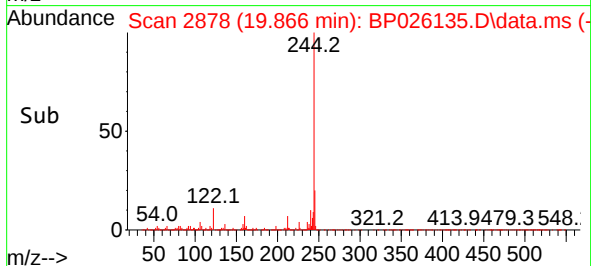
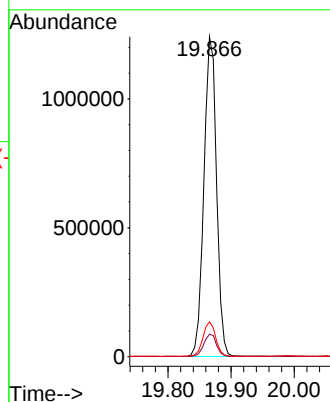
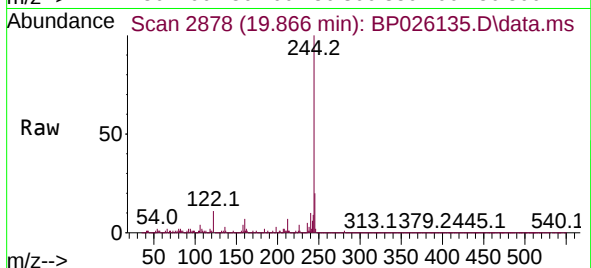
Tgt Ion:244 Resp: 1717705

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 10.9 9.0 13.6



#80

Butylbenzylphthalate

Concen: 4.082 ng

RT: 20.607 min Scan# 3004

Delta R.T. -0.000 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

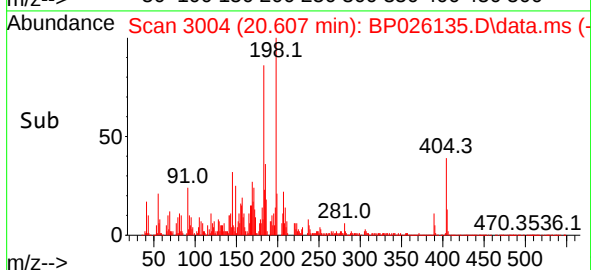
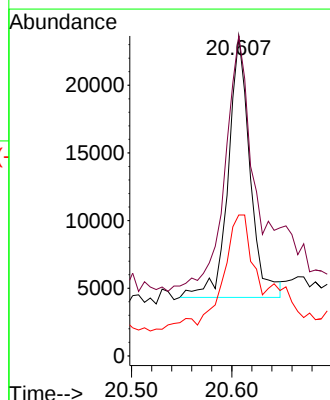
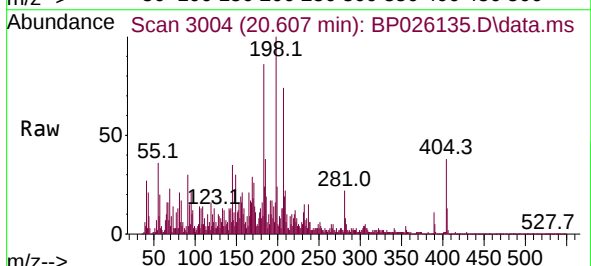
Tgt Ion:149 Resp: 29172

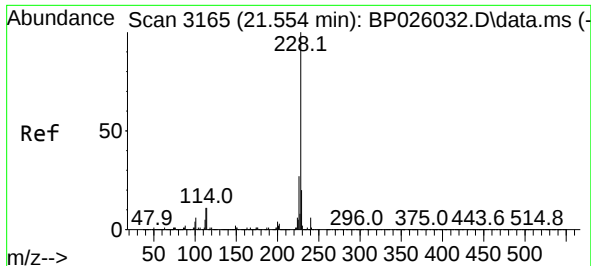
Ion Ratio Lower Upper

149 100

91 100.0 53.5 80.3#

206 44.0 16.6 25.0#

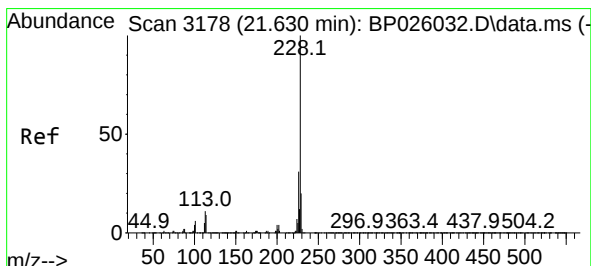
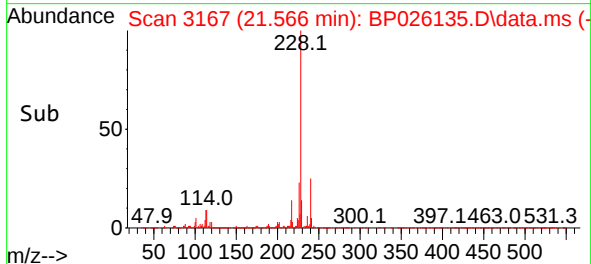
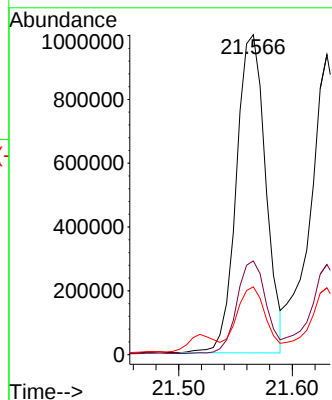
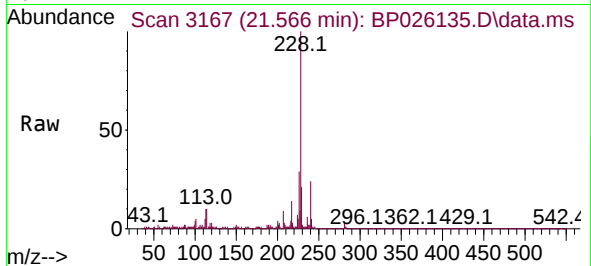




#81
Benzo(a)anthracene
Concen: 16.586 ng
RT: 21.566 min Scan# 3166
Delta R.T. 0.018 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

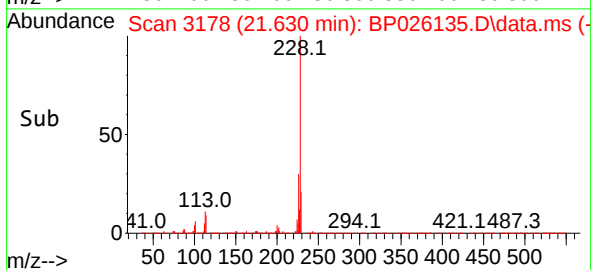
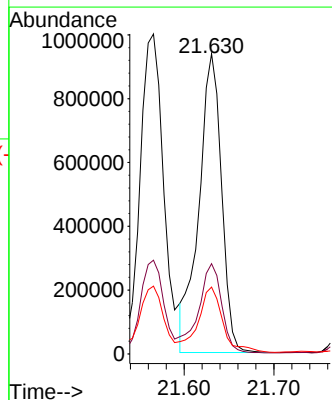
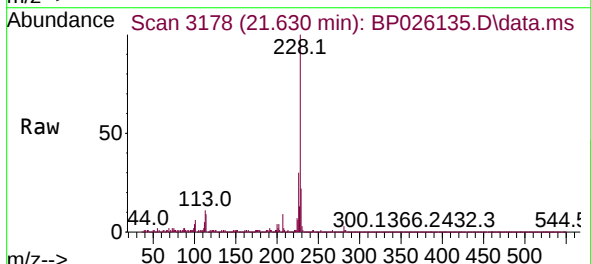
Instrument :
BNA_P
ClientSampleId :
TP-3DL

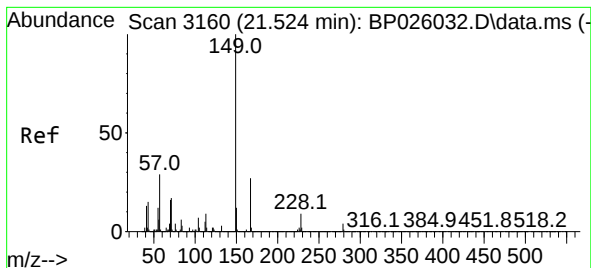
Tgt Ion:228 Resp: 1787396
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 21.2 15.8 23.8



#83
Chrysene
Concen: 16.112 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:228 Resp: 1644798
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.3 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.434 ng

RT: 21.530 min Scan# 3161

Delta R.T. 0.012 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

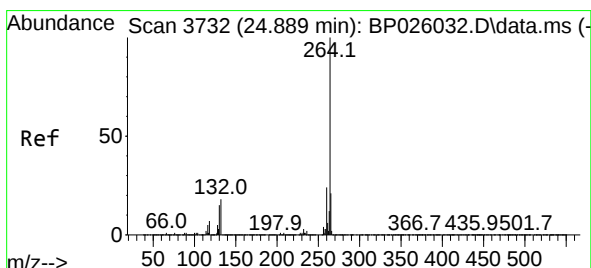
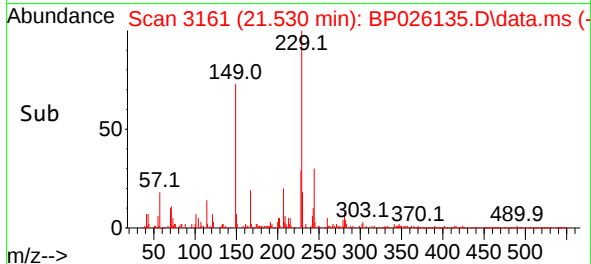
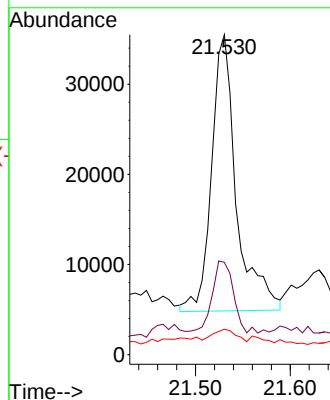
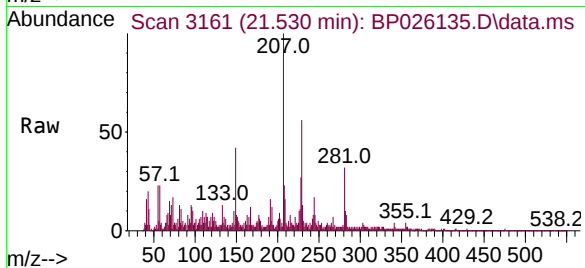
Tgt Ion:149 Resp: 55906

Ion Ratio Lower Upper

149 100

167 28.8 21.5 32.3

279 7.9 3.0 4.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.907 min Scan# 3735

Delta R.T. 0.024 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

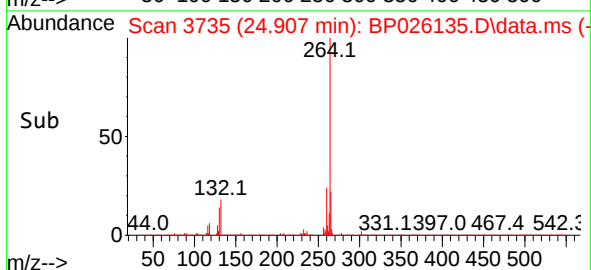
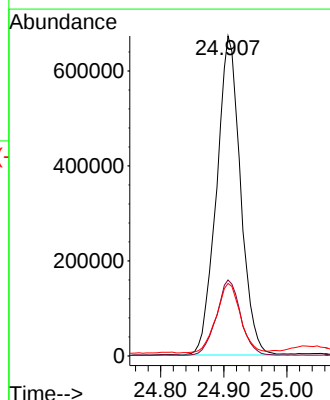
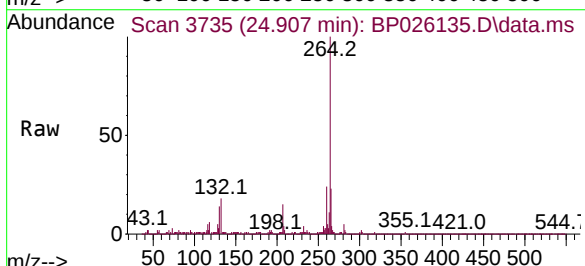
Tgt Ion:264 Resp: 1769470

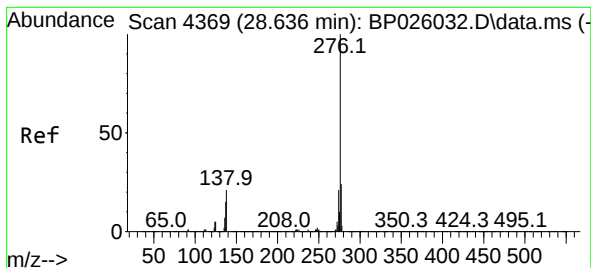
Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.750 ng

RT: 28.665 min Scan# 4369

Delta R.T. 0.006 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

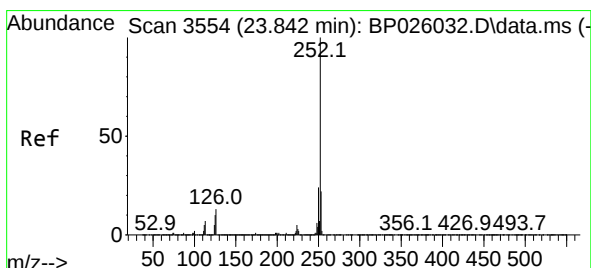
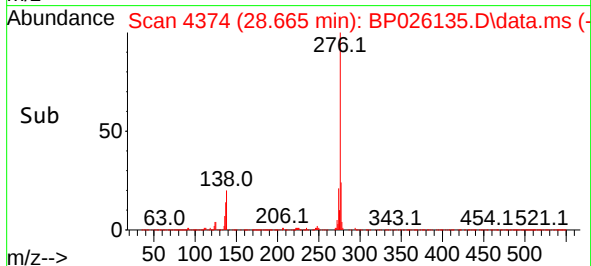
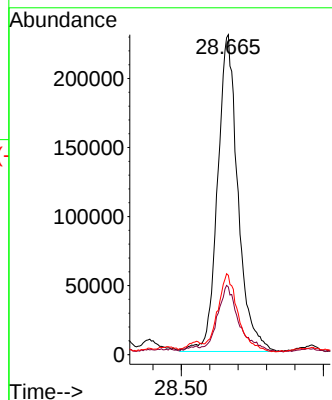
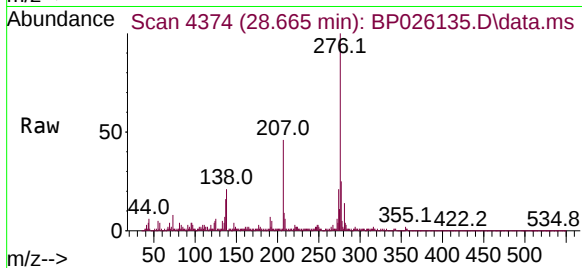
Tgt Ion:276 Resp: 1143083

Ion Ratio Lower Upper

276 100

138 22.0 13.2 19.8#

277 24.5 16.3 24.5



#88

Benzo(b)fluoranthene

Concen: 19.873 ng

RT: 23.854 min Scan# 3556

Delta R.T. 0.006 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

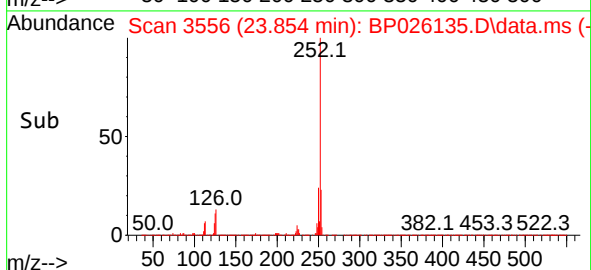
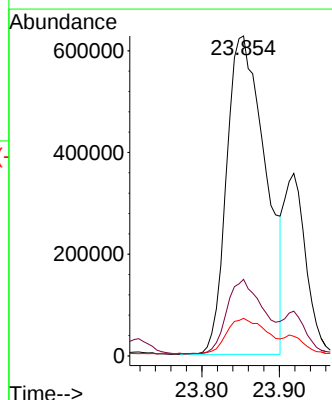
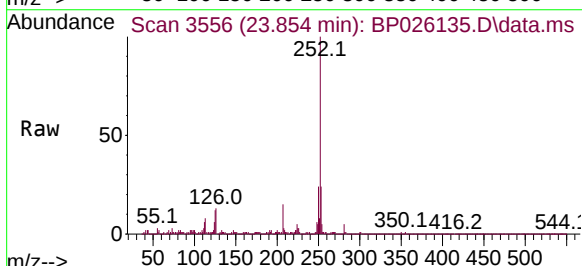
Tgt Ion:252 Resp: 2183000

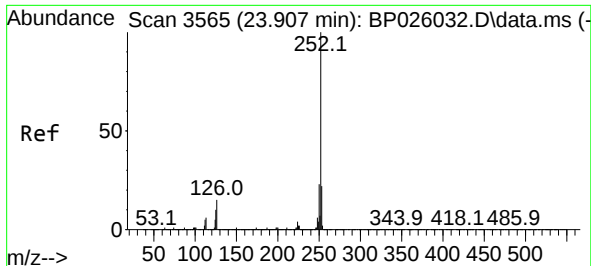
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 11.7 8.1 12.1

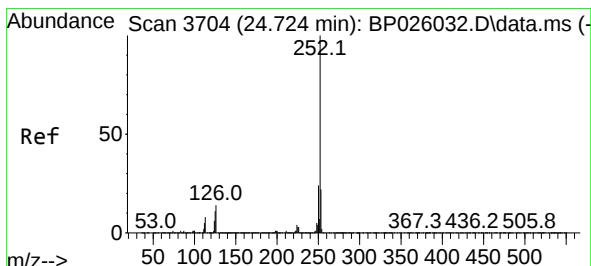
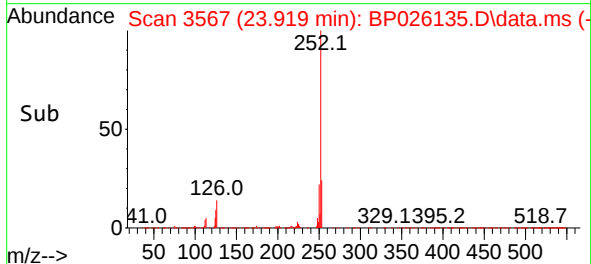
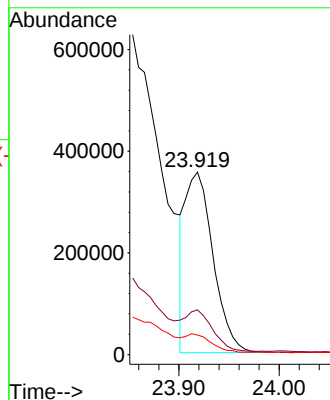
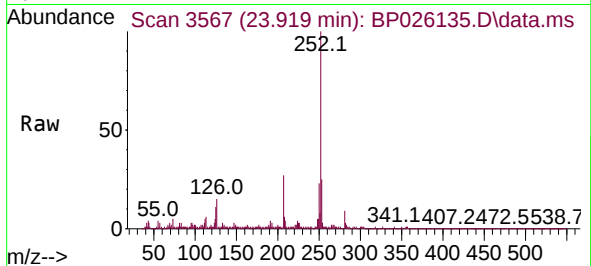




#89
Benzo(k)fluoranthene
Concen: 6.093 ng
RT: 23.919 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

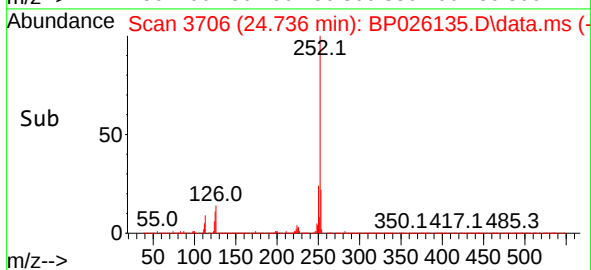
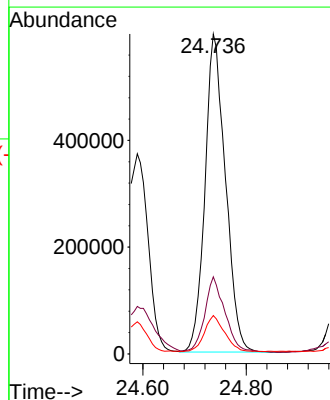
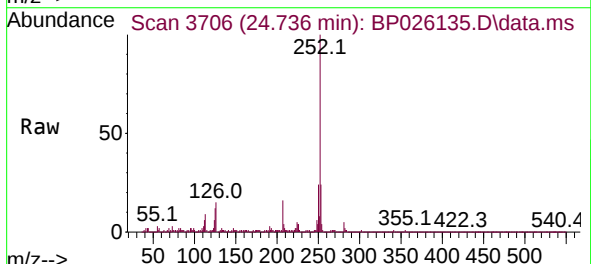
Instrument :
BNA_P
ClientSampleId :
TP-3DL

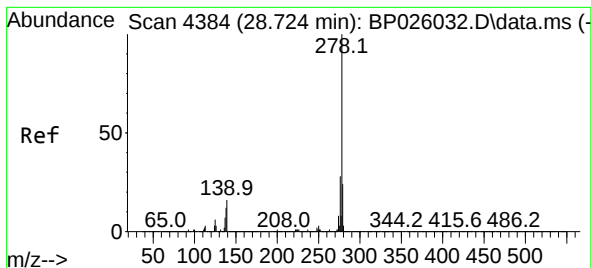
Tgt Ion:252 Resp: 683453
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 10.8 8.1 12.1



#90
Benzo(a)pyrene
Concen: 16.244 ng
RT: 24.736 min Scan# 3706
Delta R.T. -0.006 min
Lab File: BP026135.D
Acq: 13 Nov 2025 19:45

Tgt Ion:252 Resp: 1639274
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 12.0 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 2.612 ng

RT: 28.748 min Scan# 4384

Delta R.T. 0.000 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Instrument :

BNA_P

ClientSampleId :

TP-3DL

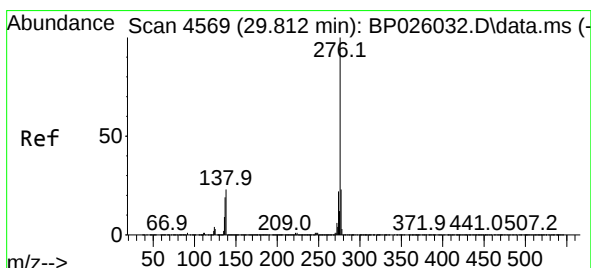
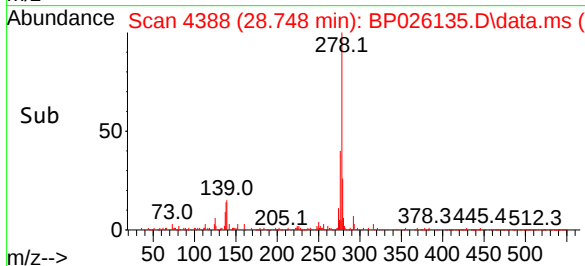
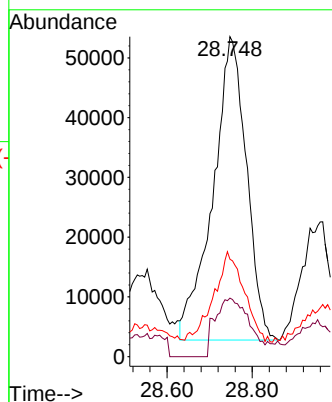
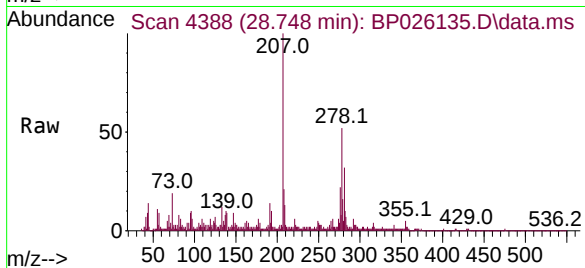
Tgt Ion:278 Resp: 277682

Ion Ratio Lower Upper

278 100

139 18.3 13.0 19.6

279 30.4 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 10.671 ng

RT: 29.830 min Scan# 4572

Delta R.T. 0.000 min

Lab File: BP026135.D

Acq: 13 Nov 2025 19:45

Tgt Ion:276 Resp: 1091611

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 23.0 18.1 27.1

