

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
 Data File : BP026049.D
 Acq On : 30 Oct 2025 19:49
 Operator : RC/JU
 Sample : Q3447-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P001-TW4-251023-01

Quant Time: Oct 31 02:16:15 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)

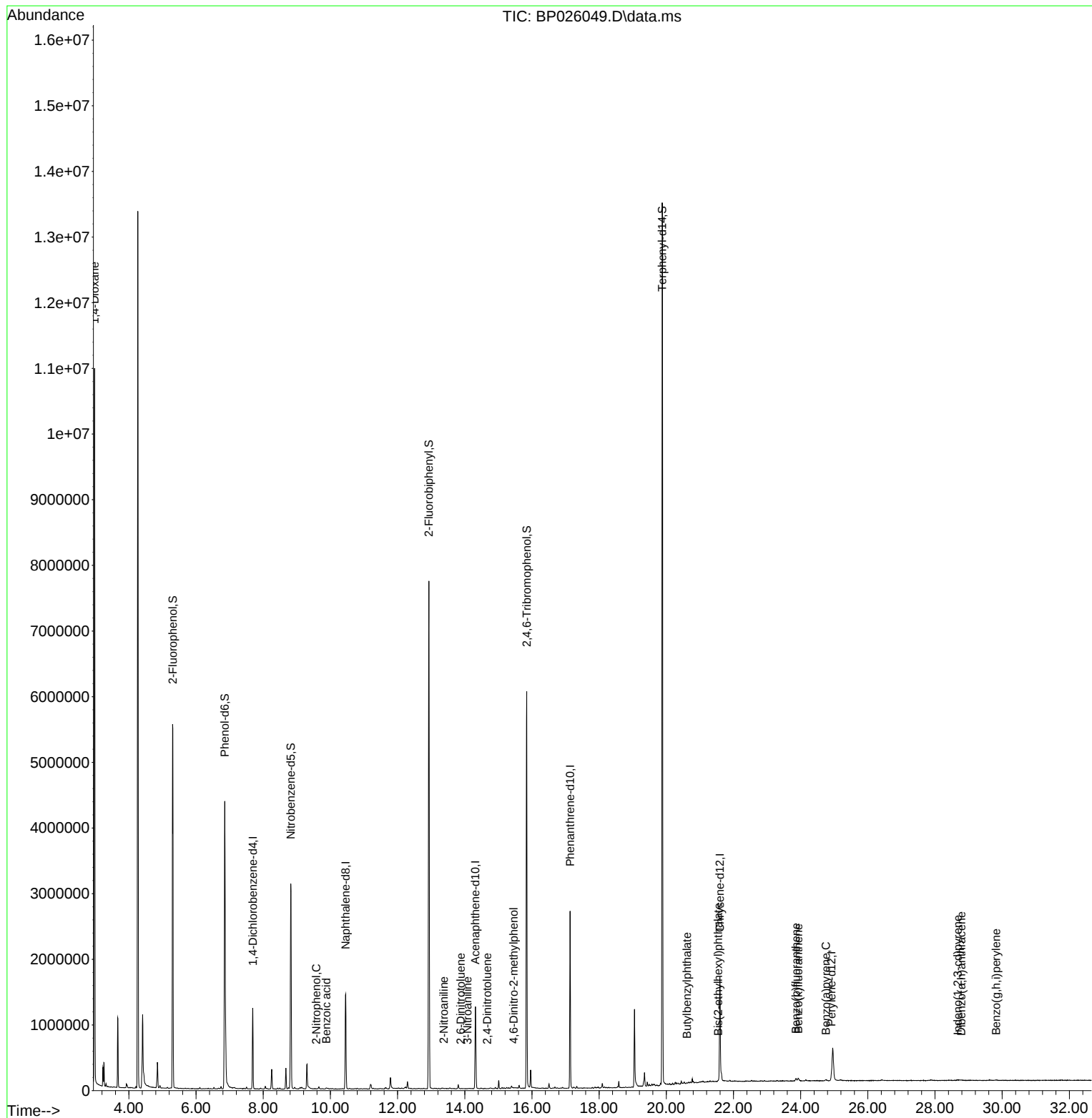
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	333300	20.000	ng	0.00
21) Naphthalene-d8	10.455	136	1282245	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	456052	20.000	ng	0.00
64) Phenanthrene-d10	17.137	188	1392997	20.000	ng	0.01
76) Chrysene-d12	21.595	240	641838	20.000	ng	# 0.03
86) Perylene-d12	24.919	264	31253	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.308	112	2457587	121.670	ng	0.01
7) Phenol-d6	6.855	99	2295885	89.302	ng	0.00
23) Nitrobenzene-d5	8.819	82	1895871	92.173	ng	0.00
42) 2,4,6-Tribromophenol	15.843	330	1177380	238.802	ng	0.01
45) 2-Fluorobiphenyl	12.931	172	4496072	141.662	ng	0.00
79) Terphenyl-d14	19.878	244	6532097	206.768	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.978	88	83920	9.855	ng	# 1
26) 2-Nitrophenol	9.578	139	71	2.686	ng	# 1
32) Benzoic acid	9.878	122	2436	3.398	ng	# 31
48) 2-Nitroaniline	13.378	65	59	2.918	ng	# 29
51) 2,6-Dinitrotoluene	13.878	165	99	3.006	ng	# 12
53) 3-Nitroaniline	14.078	138	164	2.658	ng	# 84
57) 2,4-Dinitrotoluene	14.672	165	188	3.106	ng	# 72
65) 4,6-Dinitro-2-methylph...	15.454	198	209	2.017	ng	# 1
80) Butylbenzylphthalate	20.619	149	2087	3.517	ng	# 60
84) Bis(2-ethylhexyl)phtha...	21.542	149	8180	2.896	ng	# 89
87) Indeno(1,2,3-cd)pyrene	28.677	276	5023	2.177	ng	# 67
88) Benzo(b)fluoranthene	23.860	252	37327	19.239	ng	# 94
89) Benzo(k)fluoranthene	23.930	252	45455	22.943	ng	# 89
90) Benzo(a)pyrene	24.754	252	22250	12.483	ng	# 95
91) Dibenzo(a,h)anthracene	28.783	278	6630	3.531	ng	# 86
92) Benzo(g,h,i)perylene	29.824	276	10677	5.909	ng	# 89

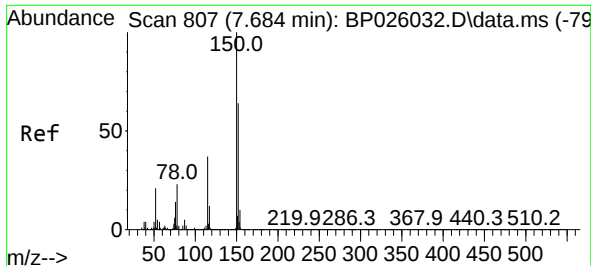
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
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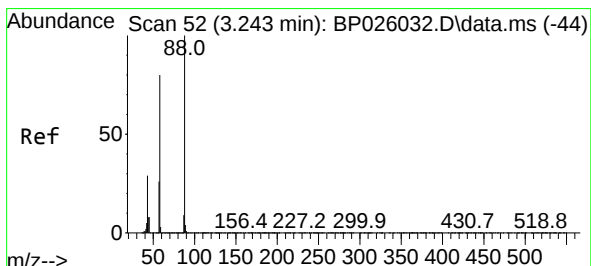
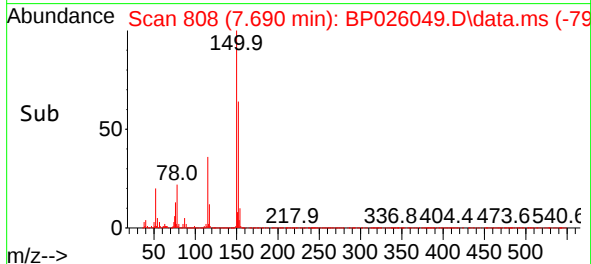
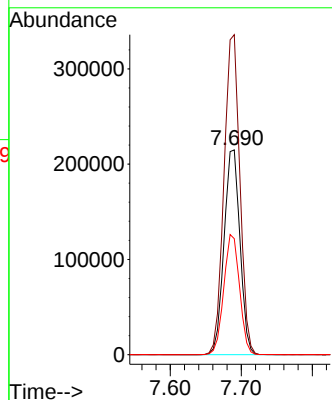
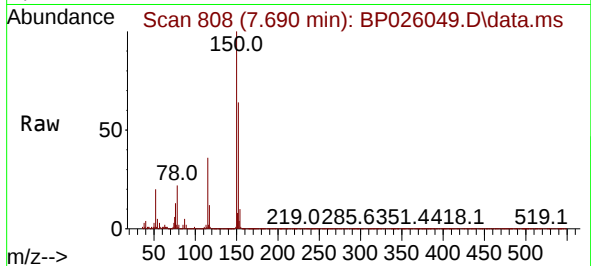




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.690 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BP026049.D
 Acq: 30 Oct 2025 19:49

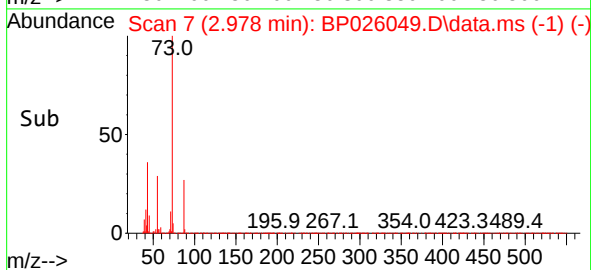
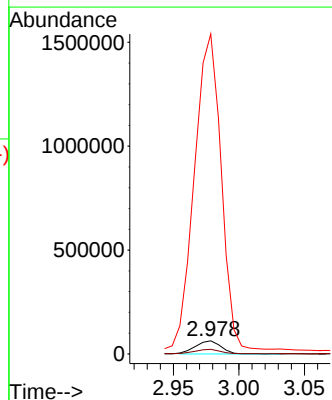
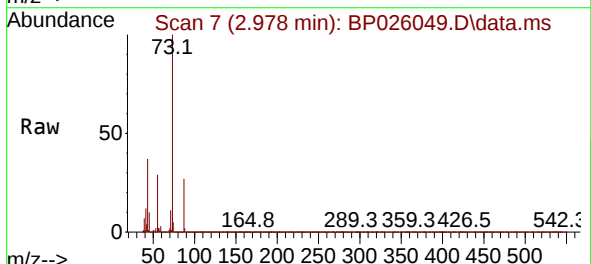
Instrument :
 BNA_P
 ClientSampleId :
 P001-TW4-251023-01

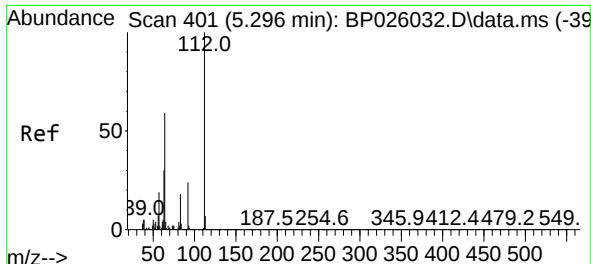
Tgt Ion:152 Resp: 333300
 Ion Ratio Lower Upper
 152 100
 150 156.3 125.7 188.5
 115 56.7 46.4 69.6



#2
 1,4-Dioxane
 Concen: 9.855 ng
 RT: 2.978 min Scan# 7
 Delta R.T. -0.258 min
 Lab File: BP026049.D
 Acq: 30 Oct 2025 19:49

Tgt Ion: 88 Resp: 83920
 Ion Ratio Lower Upper
 88 100
 58 32.9 65.4 98.0#
 43 2531.0 23.1 34.7#

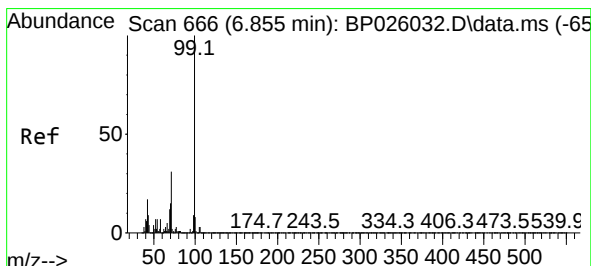
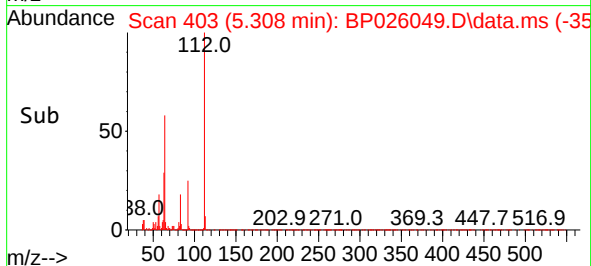
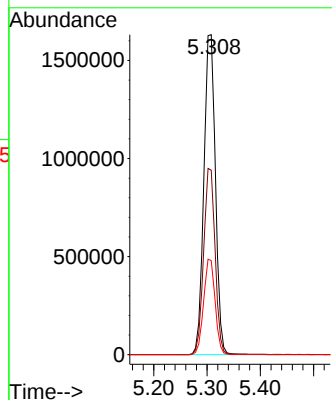
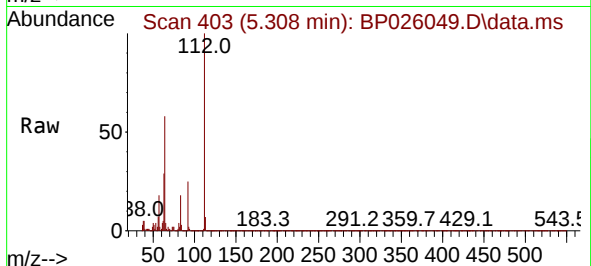




#5
2-Fluorophenol
Concen: 121.670 ng
RT: 5.308 min Scan# 401
Delta R.T. 0.012 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

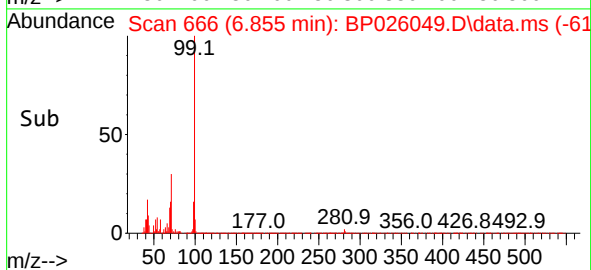
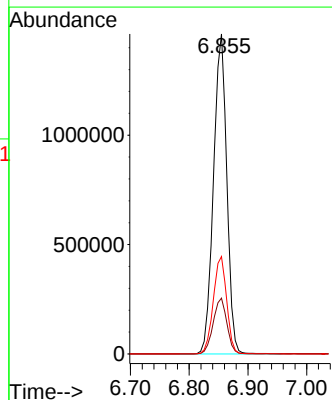
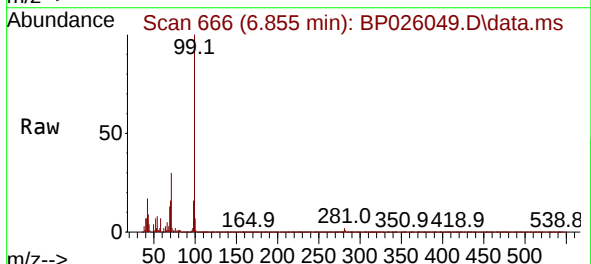
Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

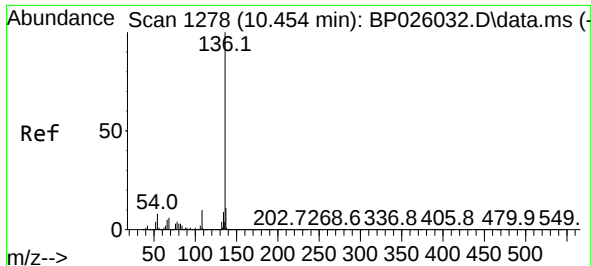
Tgt Ion:112 Resp: 2457587
Ion Ratio Lower Upper
112 100
64 57.7 47.4 71.2
63 29.4 24.2 36.4



#7
Phenol-d6
Concen: 89.302 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion: 99 Resp: 2295885
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 30.5 24.4 36.6



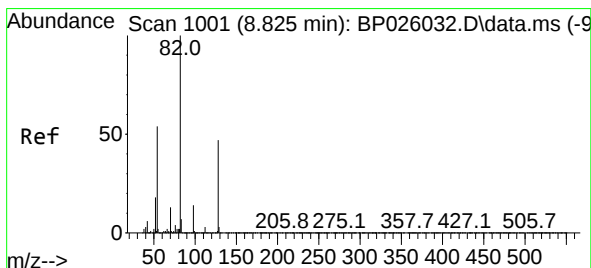
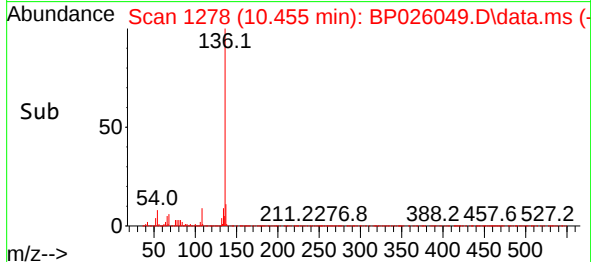
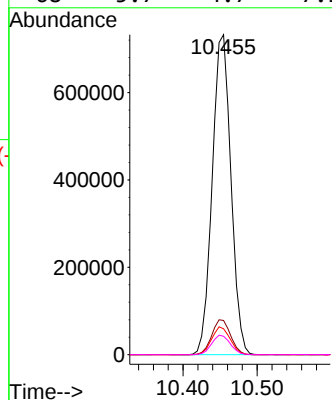
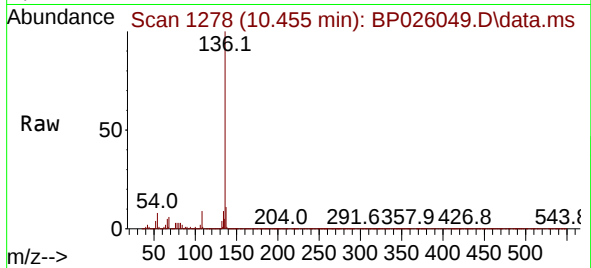


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.455 min Scan# 1000
Delta R.T. 0.001 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

Tgt Ion:136 Resp: 1282245

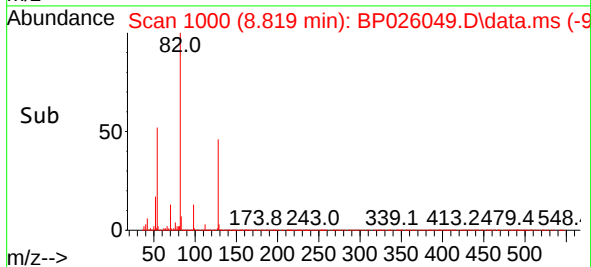
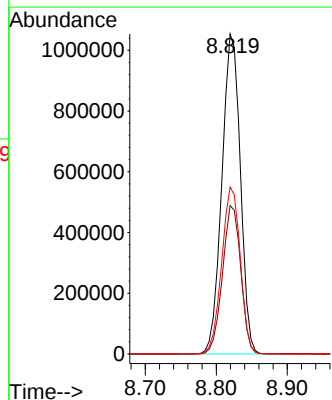
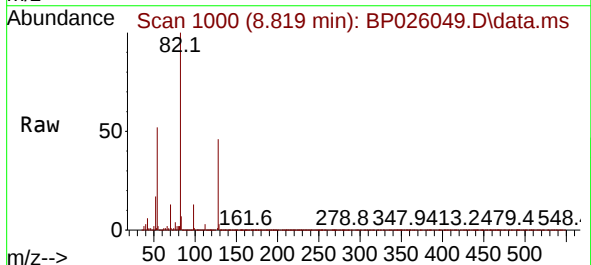
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	6.6	10.0
68	5.7	4.7	7.1

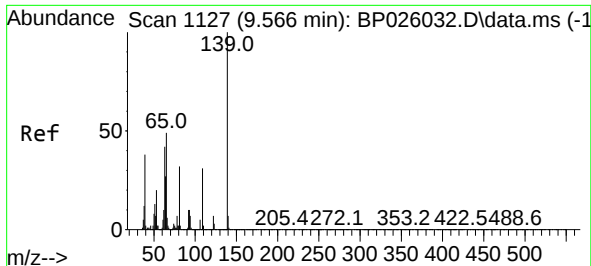


#23
Nitrobenzene-d5
Concen: 92.173 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion: 82 Resp: 1895871

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.0
54	52.2	42.7	64.1

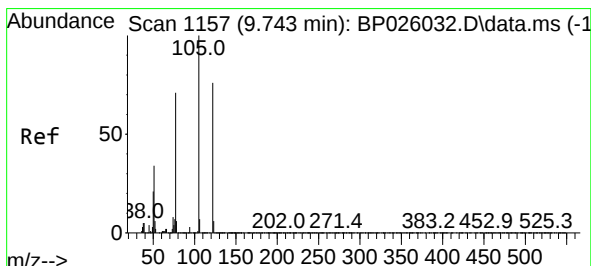
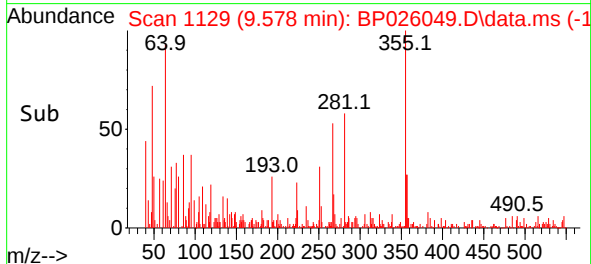
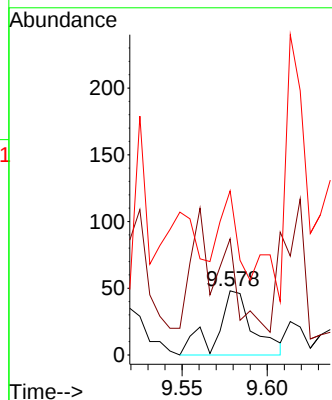
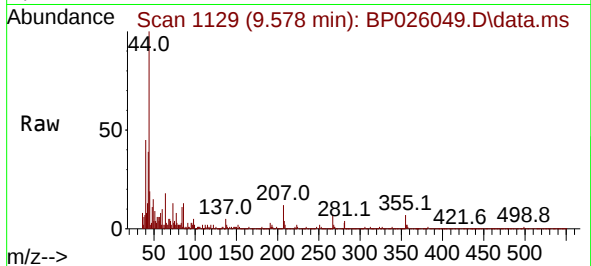




#26
2-Nitrophenol
Concen: 2.686 ng
RT: 9.578 min Scan# 1127
Delta R.T. 0.012 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

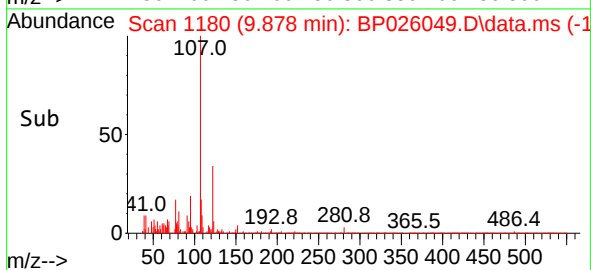
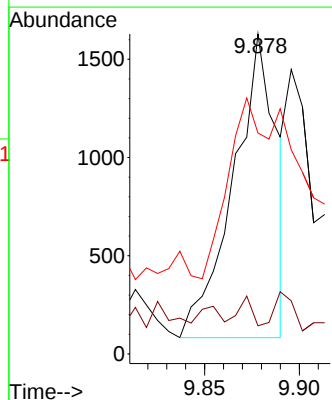
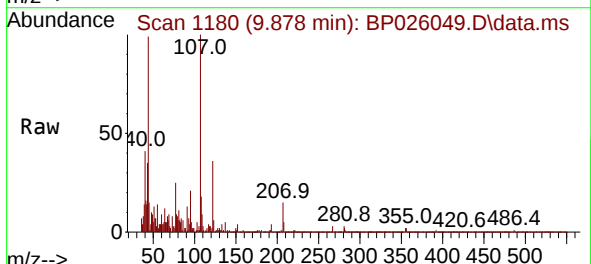
Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

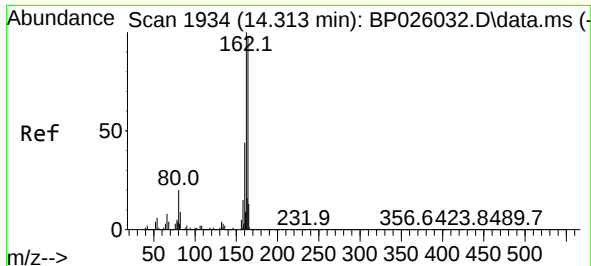
Tgt Ion:139 Resp: 71
Ion Ratio Lower Upper
139 100
109 181.3 24.8 37.2#
65 256.3 39.0 58.4#



#32
Benzoic acid
Concen: 3.398 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.100 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion:122 Resp: 2436
Ion Ratio Lower Upper
122 100
105 8.8 104.8 144.8#
77 69.1 70.9 110.9#

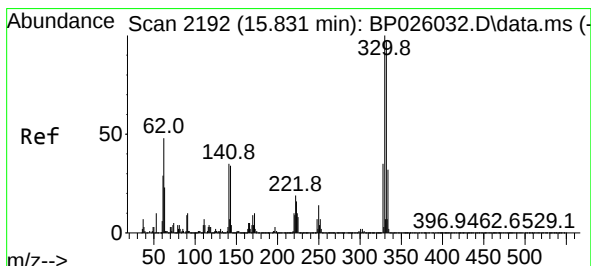
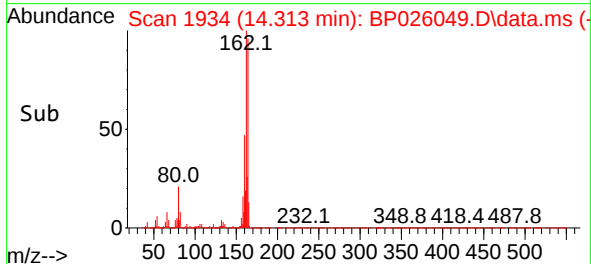
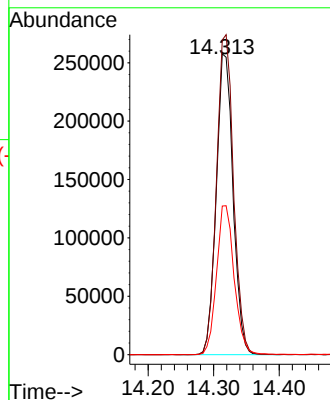
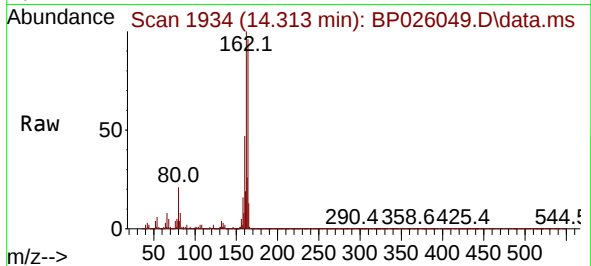




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

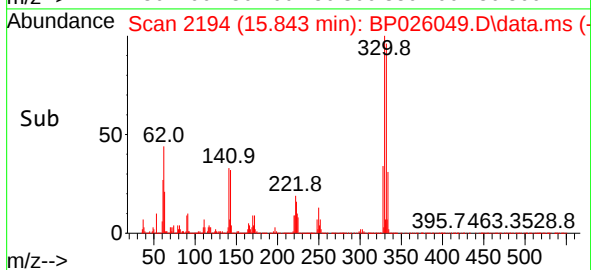
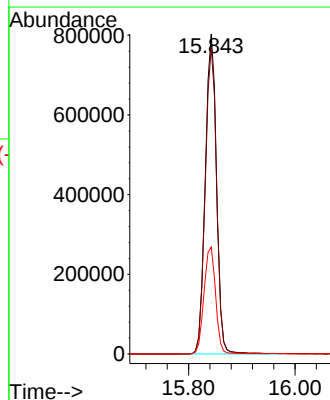
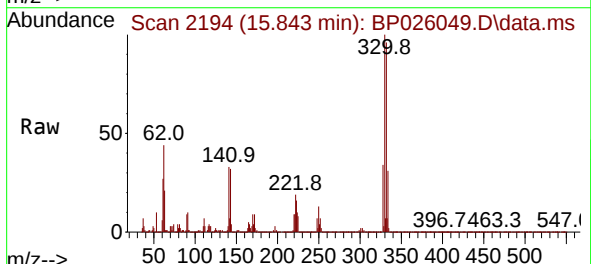
Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

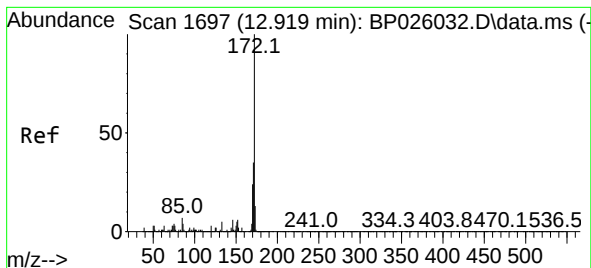
Tgt Ion:164 Resp: 456052
Ion Ratio Lower Upper
164 100
162 104.6 81.5 122.3
160 49.4 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 238.802 ng
RT: 15.843 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion:330 Resp: 1177380
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 34.6 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 141.662 ng

RT: 12.931 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP026049.D

Acq: 30 Oct 2025 19:49

Instrument :

BNA_P

ClientSampleId :

P001-TW4-251023-01

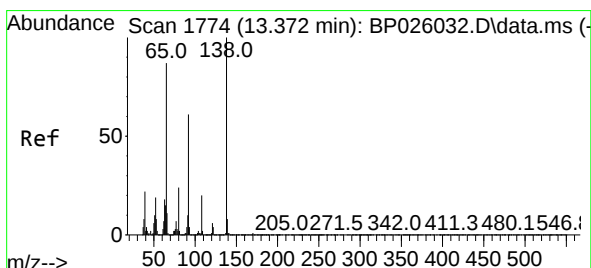
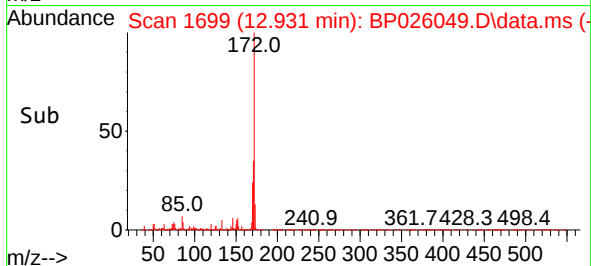
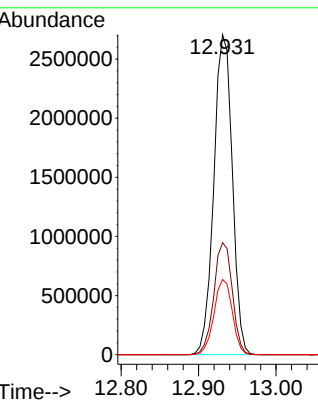
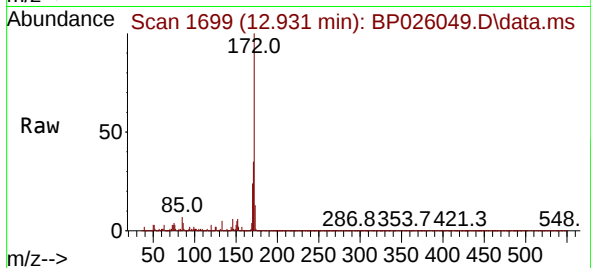
Tgt Ion:172 Resp: 4496072

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.5 19.0 28.4



#48

2-Nitroaniline

Concen: 2.918 ng

RT: 13.378 min Scan# 1775

Delta R.T. -0.000 min

Lab File: BP026049.D

Acq: 30 Oct 2025 19:49

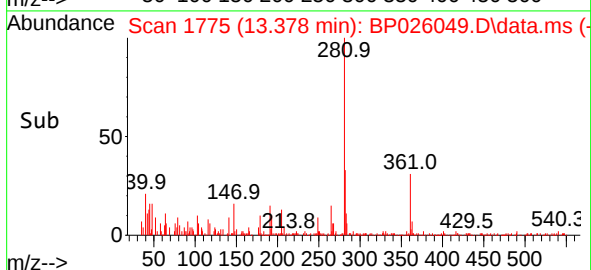
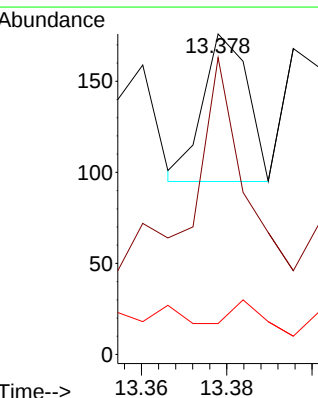
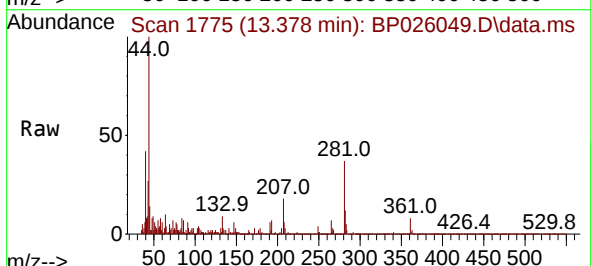
Tgt Ion: 65 Resp: 59

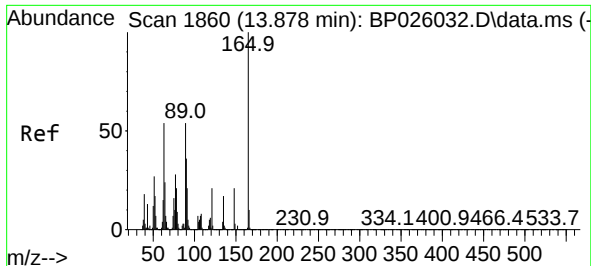
Ion Ratio Lower Upper

65 100

92 92.6 55.5 83.3#

138 9.7 91.7 137.5#

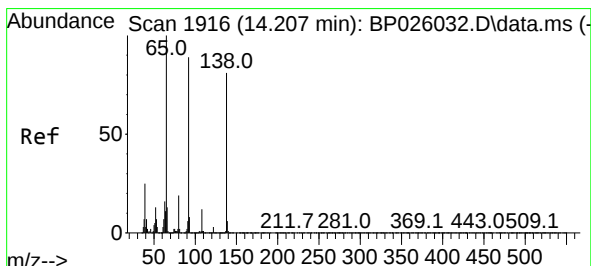
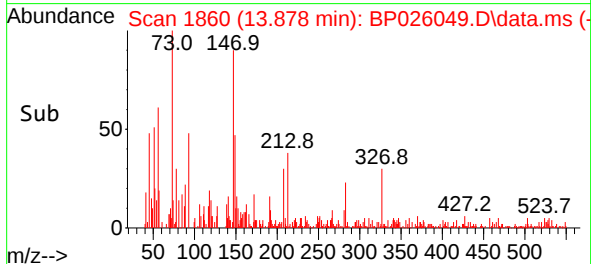
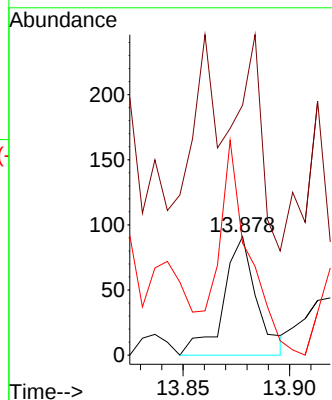
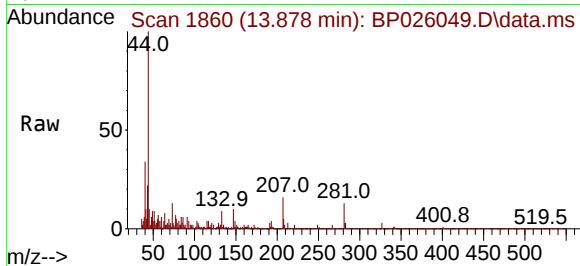




#51
2,6-Dinitrotoluene
Concen: 3.006 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

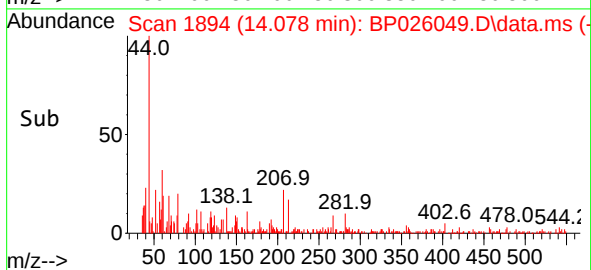
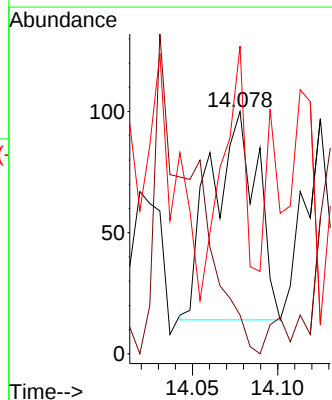
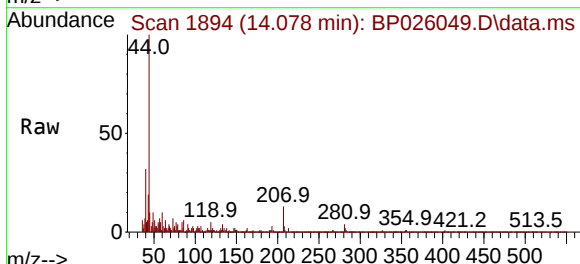
Instrument :
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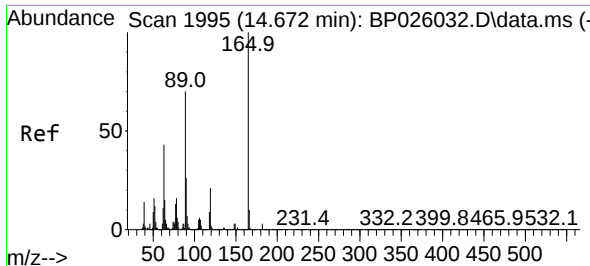
Tgt Ion:165 Resp: 99
Ion Ratio Lower Upper
165 100
63 161.3 43.0 64.4#
89 72.3 43.0 64.4#



#53
3-Nitroaniline
Concen: 2.658 ng
RT: 14.078 min Scan# 1894
Delta R.T. -0.129 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion:138 Resp: 164
Ion Ratio Lower Upper
138 100
108 16.0 11.4 17.0
92 127.0 87.1 130.7

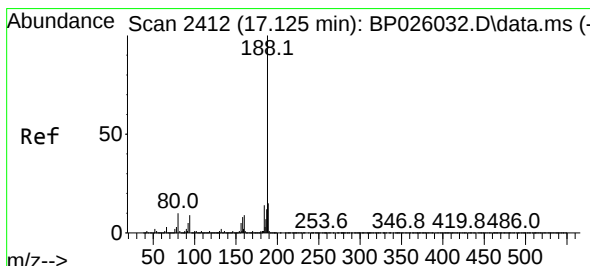
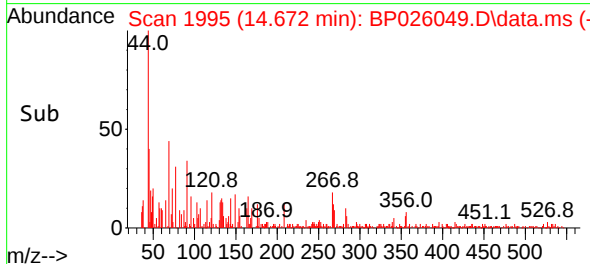
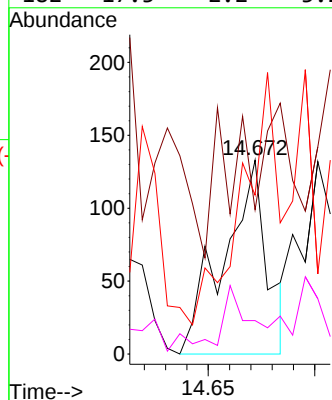
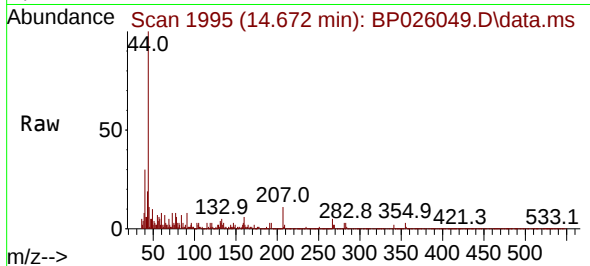




#57
2,4-Dinitrotoluene
Concen: 3.106 ng
RT: 14.672 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

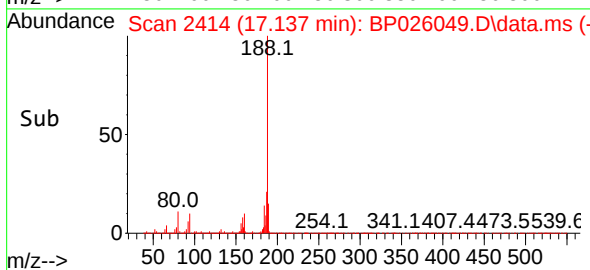
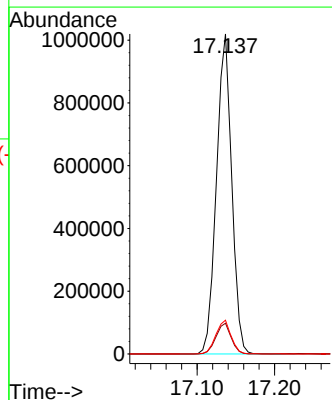
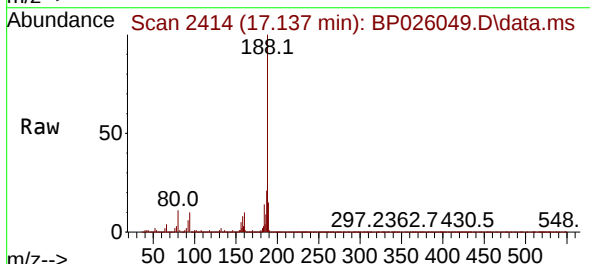
Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

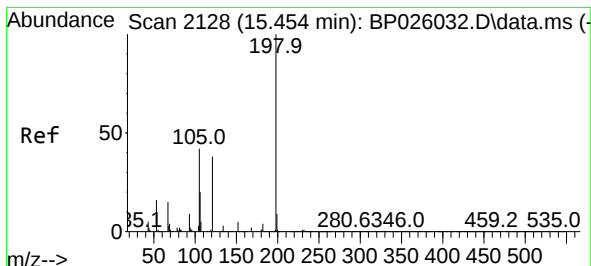
Tgt Ion:165 Resp: 188
Ion Ratio Lower Upper
165 100
63 74.4 34.2 51.2#
89 82.0 56.0 84.0
182 17.3 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 2414
Delta R.T. 0.012 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion:188 Resp: 1392997
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 10.6 7.9 11.9

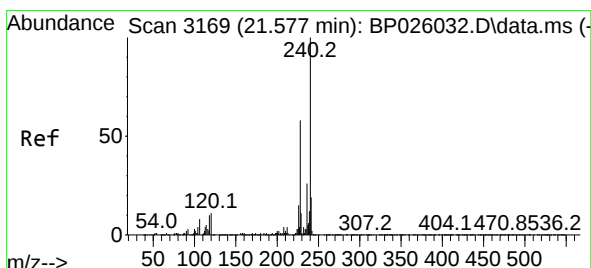
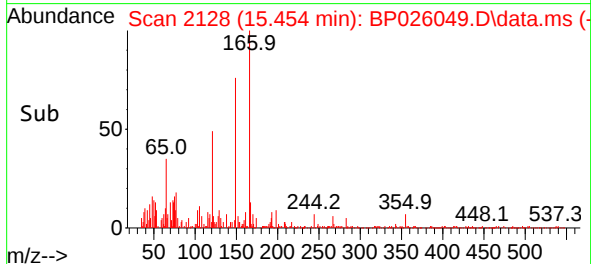
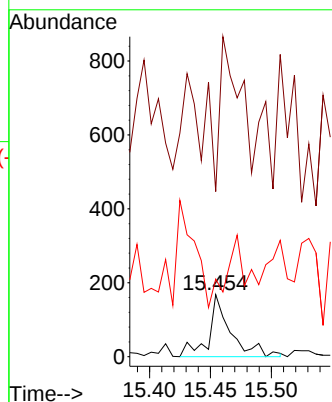
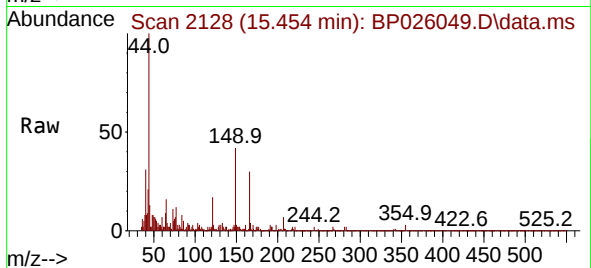




#65
4,6-Dinitro-2-methylphenol
Concen: 2.017 ng
RT: 15.454 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

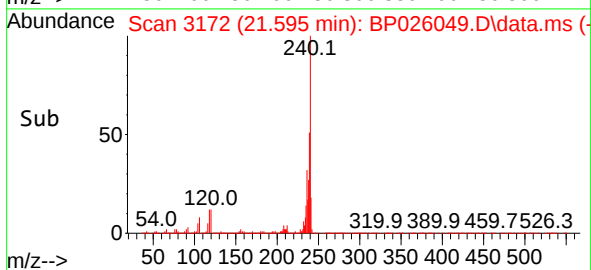
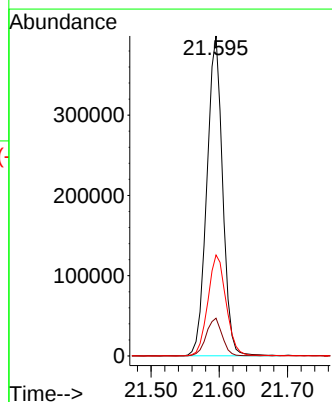
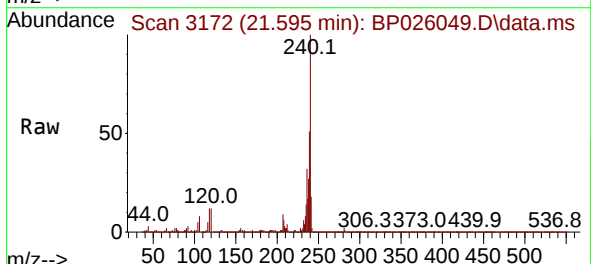
Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

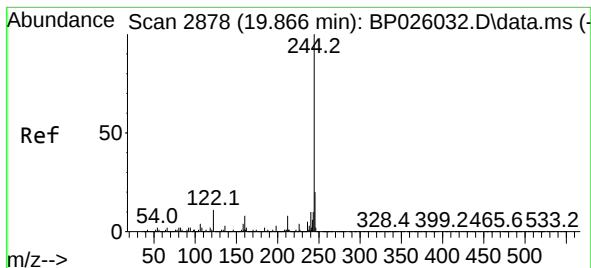
Tgt Ion:198 Resp: 209
Ion Ratio Lower Upper
198 100
51 266.1 25.2 65.2#
105 125.0 23.7 63.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3172
Delta R.T. 0.030 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion:240 Resp: 641838
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 31.5 20.6 31.0#





#79

Terphenyl-d14

Concen: 206.768 ng

RT: 19.878 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP026049.D

Acq: 30 Oct 2025 19:49

Instrument :

BNA_P

ClientSampleId :

P001-TW4-251023-01

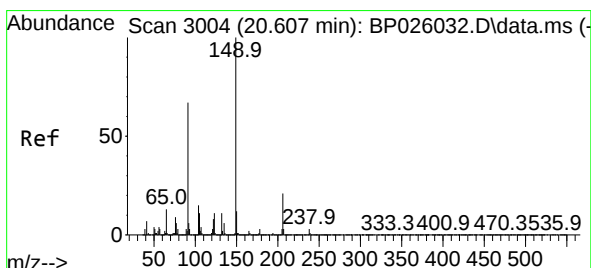
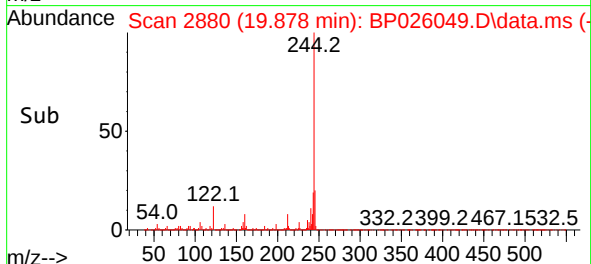
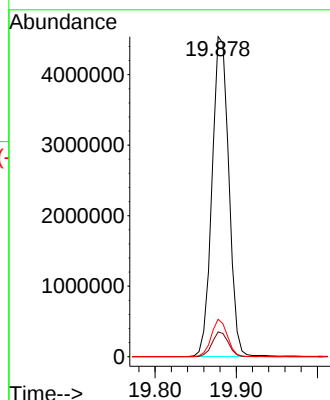
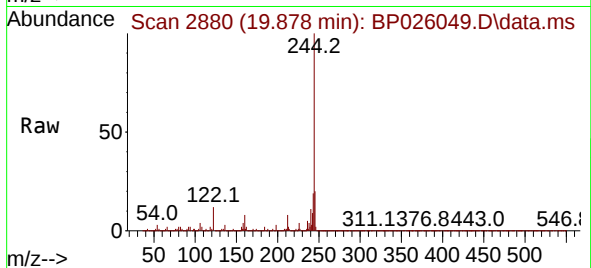
Tgt Ion:244 Resp: 6532097

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 11.7 9.0 13.6



#80

Butylbenzylphthalate

Concen: 3.517 ng

RT: 20.619 min Scan# 3006

Delta R.T. 0.012 min

Lab File: BP026049.D

Acq: 30 Oct 2025 19:49

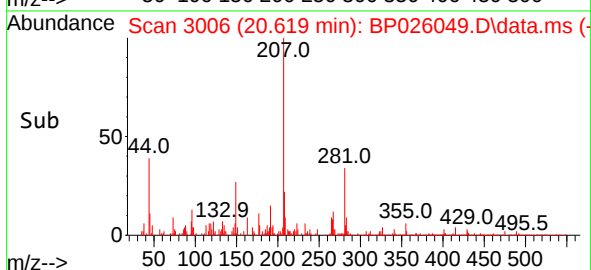
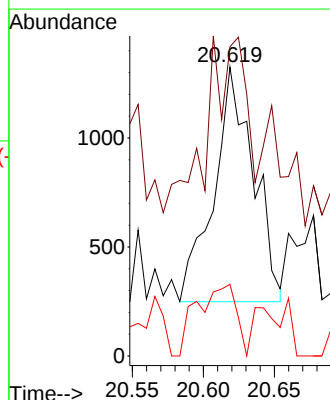
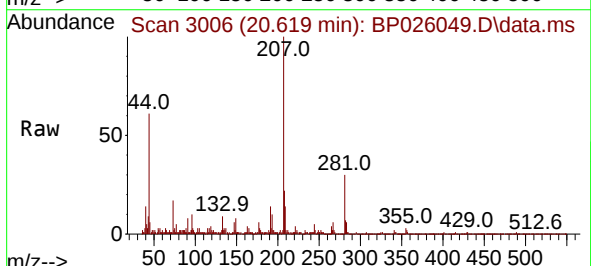
Tgt Ion:149 Resp: 2087

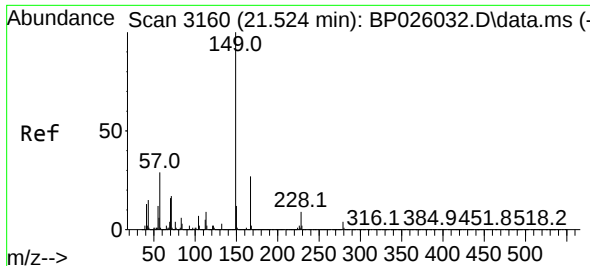
Ion Ratio Lower Upper

149 100

91 107.0 53.5 80.3#

206 24.8 16.6 25.0

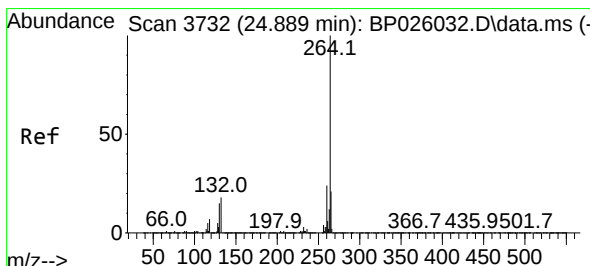
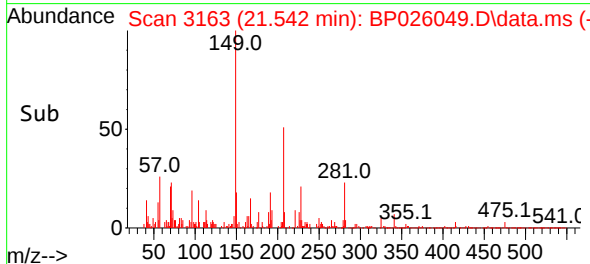
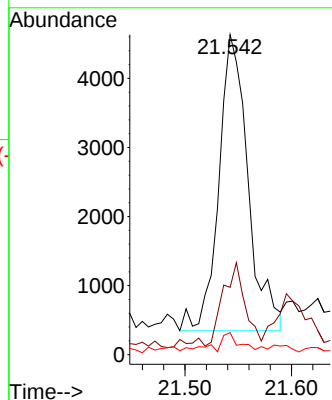
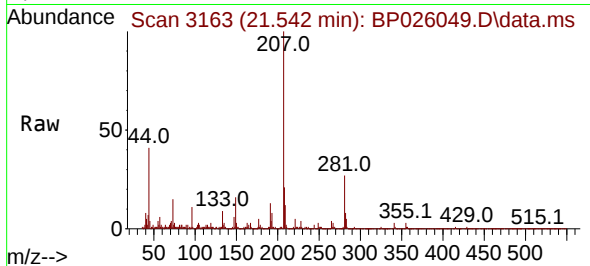




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.896 ng
 RT: 21.542 min Scan# 3160
 Delta R.T. 0.024 min
 Lab File: BP026049.D
 Acq: 30 Oct 2025 19:49

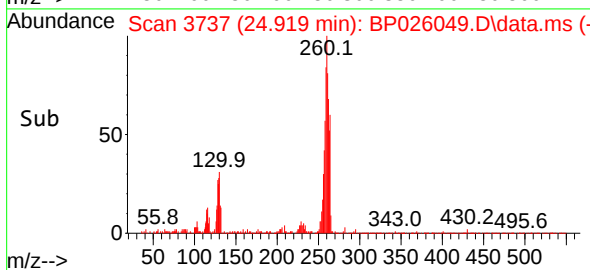
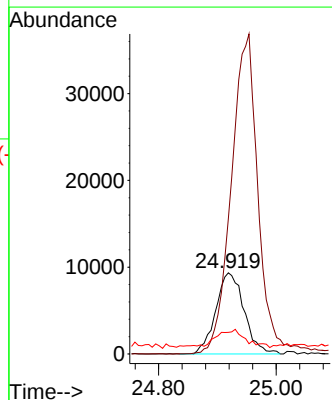
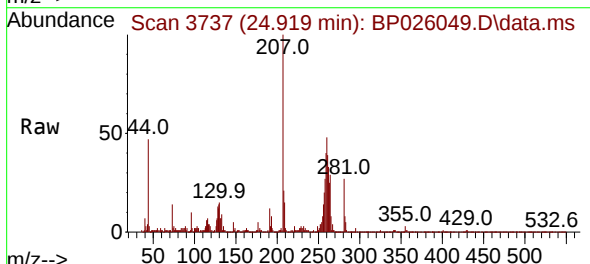
Instrument :
 BNA_P
 ClientSampleId :
 P001-TW4-251023-01

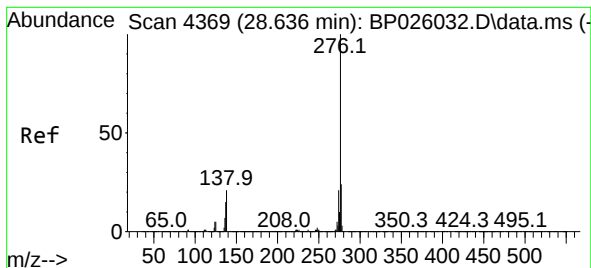
Tgt Ion:149 Resp: 8180
 Ion Ratio Lower Upper
 149 100
 167 21.1 21.5 32.3#
 279 6.9 3.0 4.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.919 min Scan# 3737
 Delta R.T. 0.036 min
 Lab File: BP026049.D
 Acq: 30 Oct 2025 19:49

Tgt Ion:264 Resp: 31253
 Ion Ratio Lower Upper
 264 100
 260 167.0 19.1 28.7#
 265 26.6 17.2 25.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.177 ng

RT: 28.677 min Scan# 41

Delta R.T. 0.018 min

Lab File: BP026049.D

Acq: 30 Oct 2025 19:49

Instrument :

BNA_P

ClientSampleId :

P001-TW4-251023-01

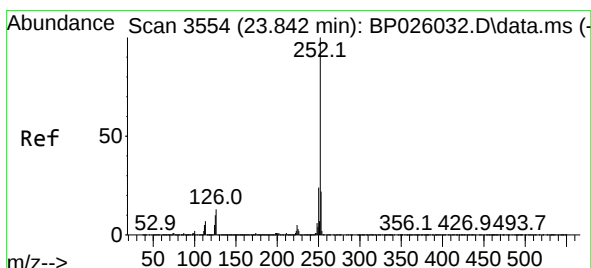
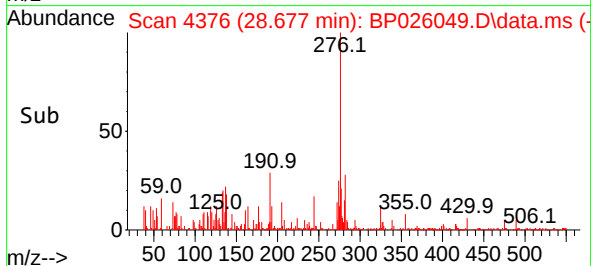
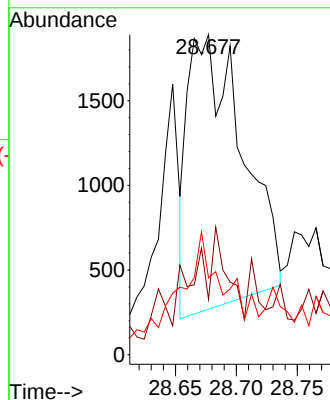
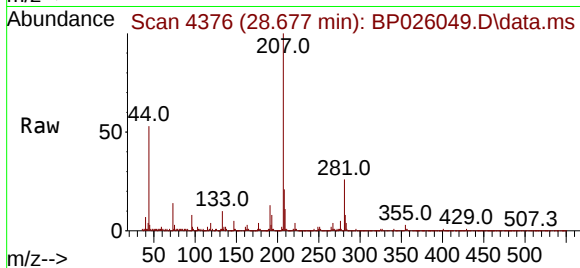
Tgt Ion:276 Resp: 5023

Ion Ratio Lower Upper

276 100

138 10.2 13.2 19.8#

277 42.5 16.3 24.5#



#88

Benzo(b)fluoranthene

Concen: 19.239 ng

RT: 23.860 min Scan# 3557

Delta R.T. 0.012 min

Lab File: BP026049.D

Acq: 30 Oct 2025 19:49

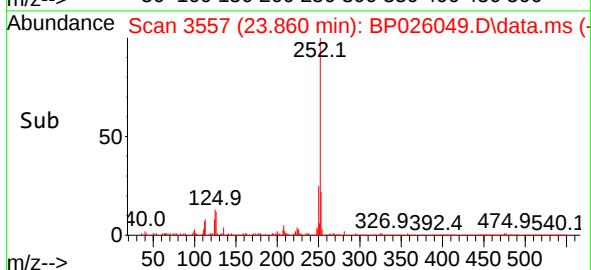
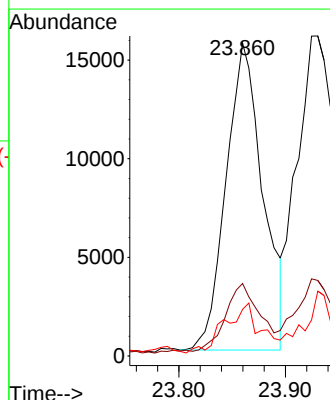
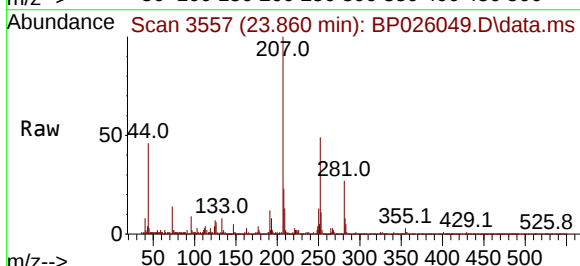
Tgt Ion:252 Resp: 37327

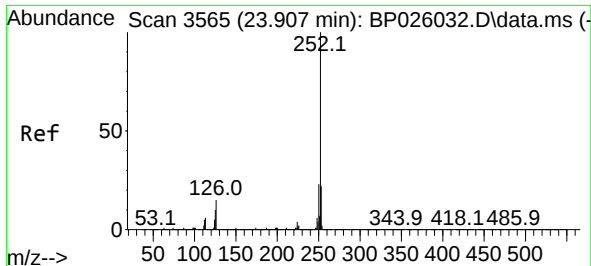
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 14.9 8.1 12.1#

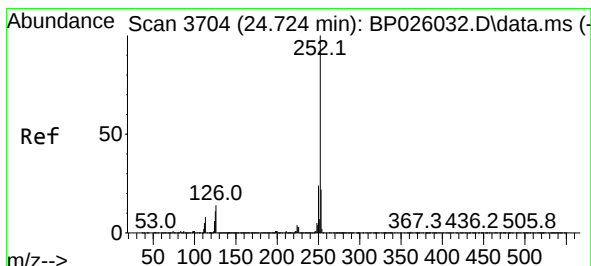
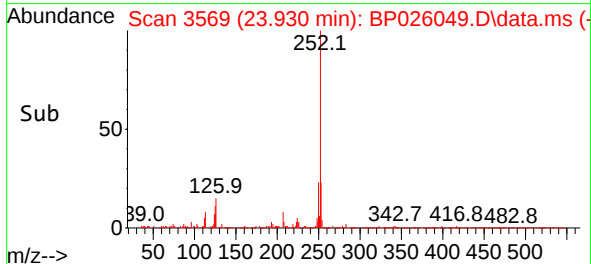
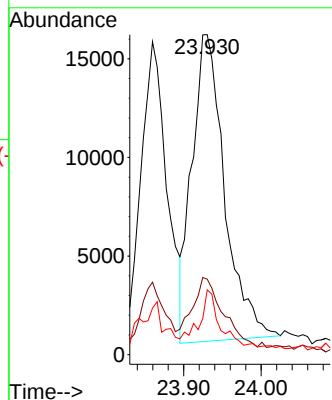
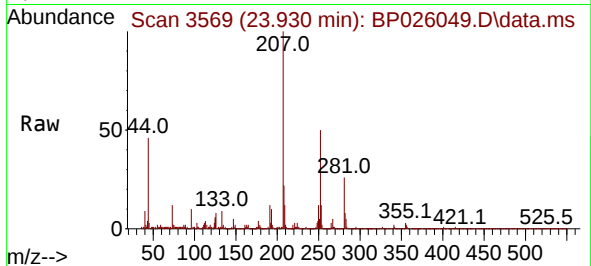




#89
Benzo(k)fluoranthene
Concen: 22.943 ng
RT: 23.930 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

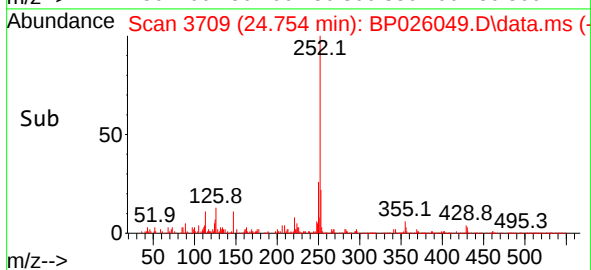
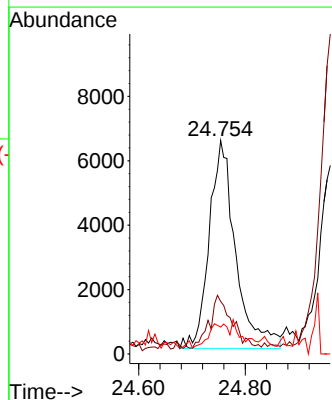
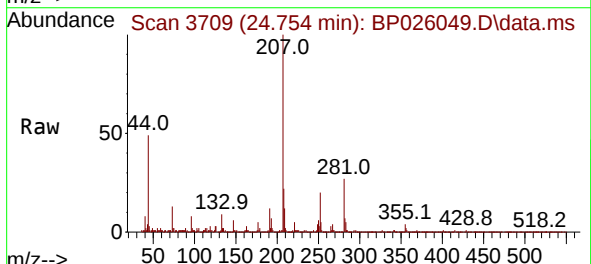
Instrument :
BNA_P
ClientSampleId :
P001-TW4-251023-01

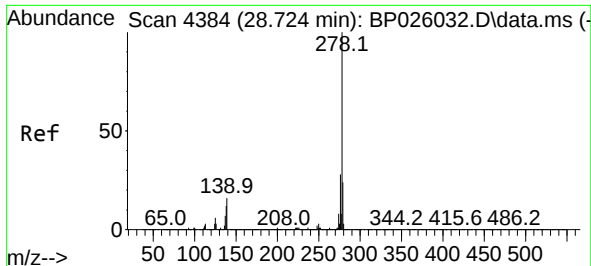
Tgt Ion:252 Resp: 45455
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 20.2 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 12.483 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.012 min
Lab File: BP026049.D
Acq: 30 Oct 2025 19:49

Tgt Ion:252 Resp: 22250
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 12.6 9.1 13.7

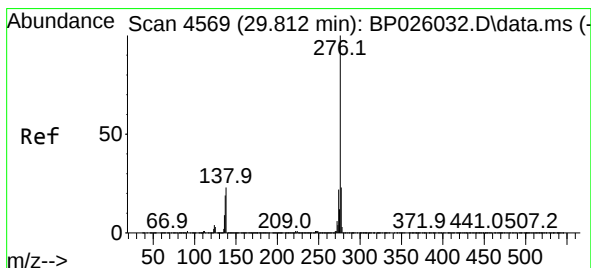
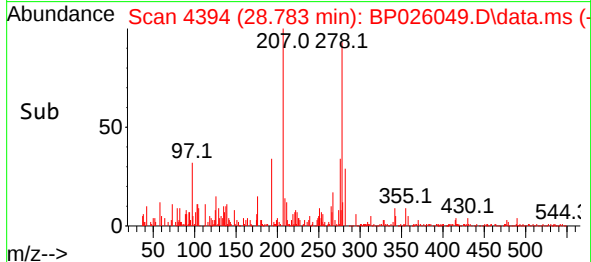
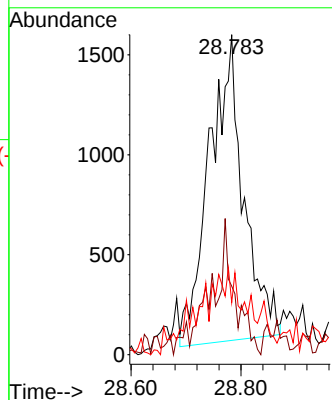
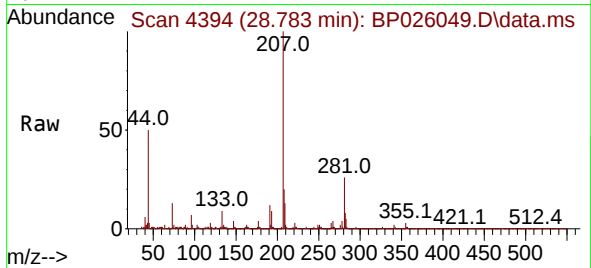




#91
 Dibenzo(a,h)anthracene
 Concen: 3.531 ng
 RT: 28.783 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: BP026049.D
 Acq: 30 Oct 2025 19:49

Instrument :
 BNA_P
 ClientSampleId :
 P001-TW4-251023-01

Tgt Ion: 278 Resp: 6630
 Ion Ratio Lower Upper
 278 100
 139 21.4 13.0 19.6#
 279 16.3 18.9 28.3#



#92
 Benzo(g,h,i)perylene
 Concen: 5.909 ng
 RT: 29.824 min Scan# 4571
 Delta R.T. -0.006 min
 Lab File: BP026049.D
 Acq: 30 Oct 2025 19:49

Tgt Ion: 276 Resp: 10677
 Ion Ratio Lower Upper
 276 100
 277 26.3 18.5 27.7
 138 30.3 18.1 27.1#

