

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024897.D
 Acq On : 10 Jun 2025 17:08
 Operator : RC/JU
 Sample : Q2176-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-27

Quant Time: Jun 10 17:45:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

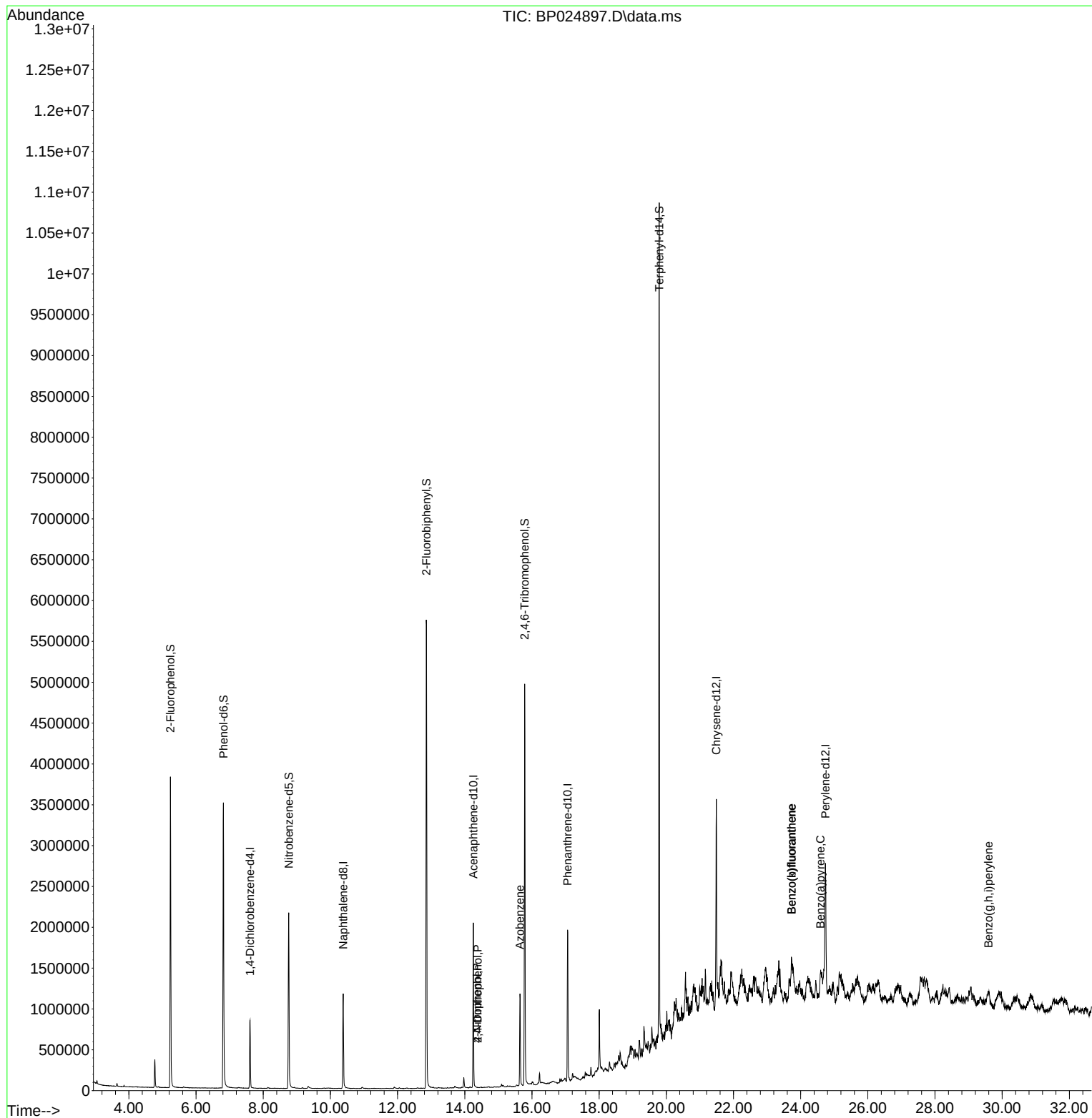
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	231122	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	960347	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	611548	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1164370	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1196927	20.000	ng	0.00
86) Perylene-d12	24.736	264	1458416	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1693696	122.321	ng	0.00
7) Phenol-d6	6.814	99	2201449	120.166	ng	0.00
23) Nitrobenzene-d5	8.761	82	1346189	68.116	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1058190	125.156	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3247438	71.535	ng	0.00
79) Terphenyl-d14	19.789	244	4887638	73.186	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.384	184	15	5.566	ng	# 1
56) 4-Nitrophenol	14.366	139	281	5.440	ng	92
63) Azobenzene	15.643	77	341165	8.274	ng	# 1
88) Benzo(b)fluoranthene	23.730	252	229524	2.750	ng	# 84
89) Benzo(k)fluoranthene	23.730	252	229524	2.702	ng	# 85
90) Benzo(a)pyrene	24.589	252	200911	2.465	ng	# 90
92) Benzo(g,h,i)perylene	29.595	276	238149	2.771	ng	96

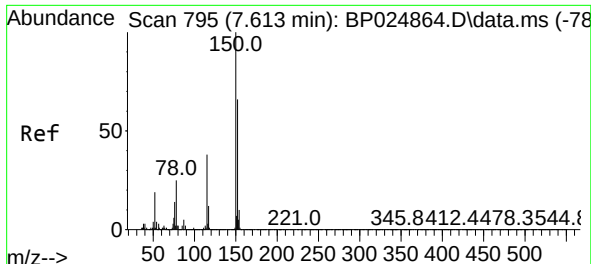
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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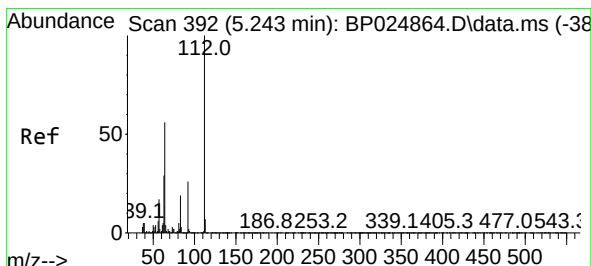
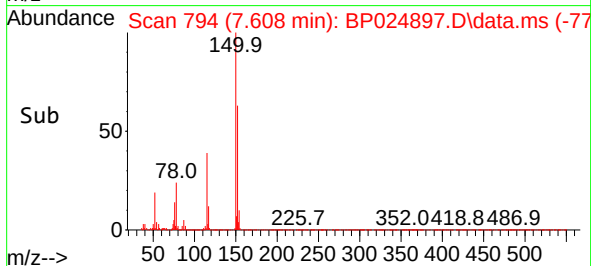
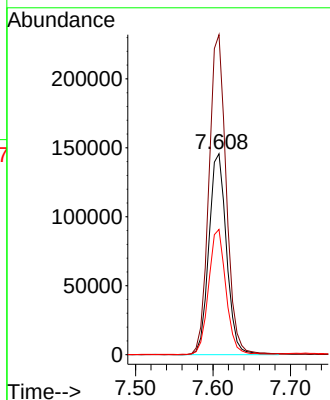
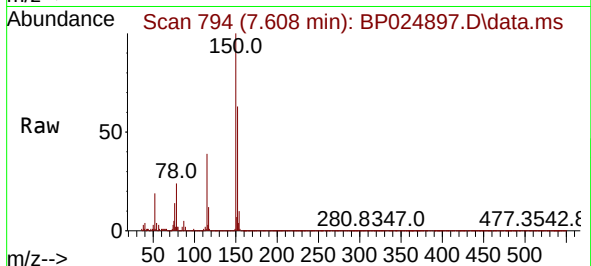




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

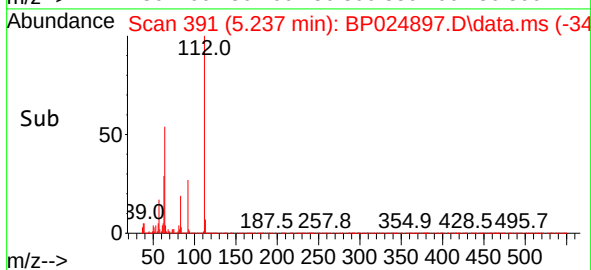
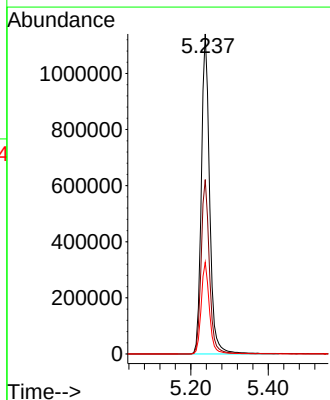
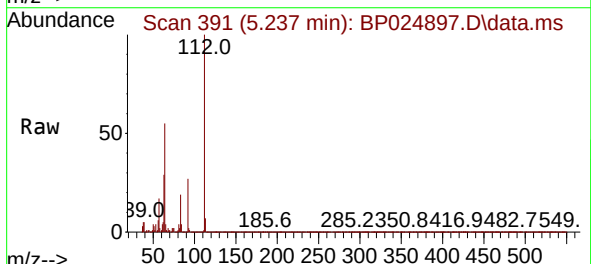
Instrument :
BNA_P
ClientSampleId :
TP-27

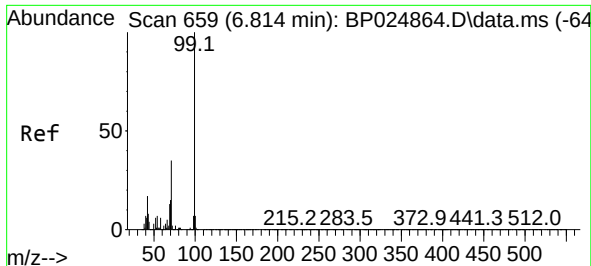
Tgt Ion:152 Resp: 231122
Ion Ratio Lower Upper
152 100
150 159.2 122.1 183.1
115 62.3 46.4 69.6



#5
2-Fluorophenol
Concen: 122.321 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:112 Resp: 1693696
Ion Ratio Lower Upper
112 100
64 54.5 44.7 67.1
63 28.7 23.5 35.3



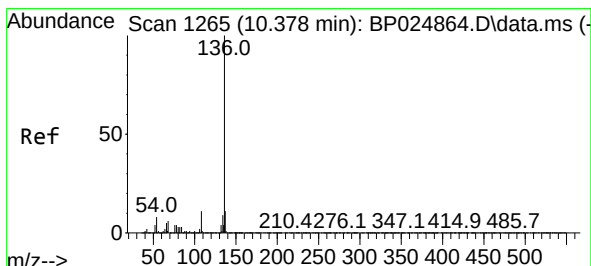
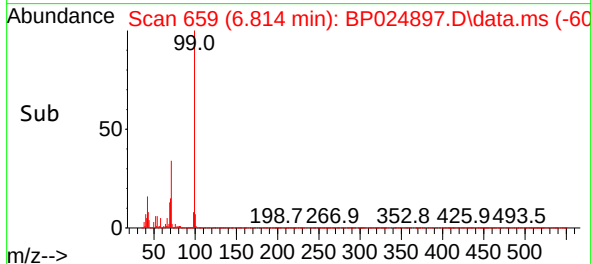
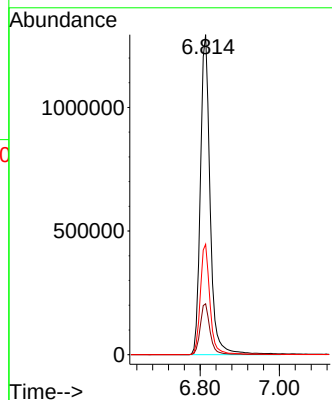
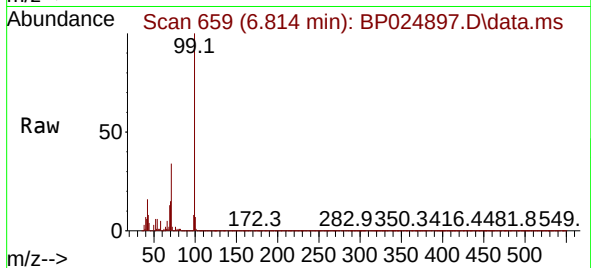


#7
Phenol-d6
Concen: 120.166 ng
RT: 6.814 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion: 99 Resp: 2201449

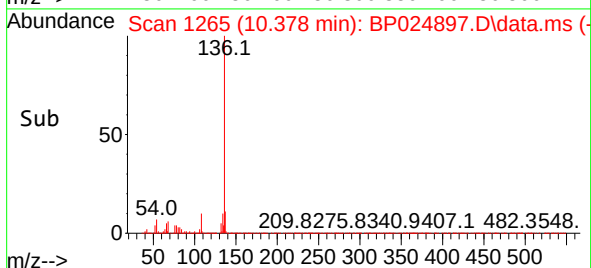
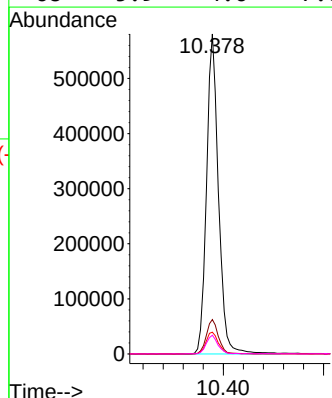
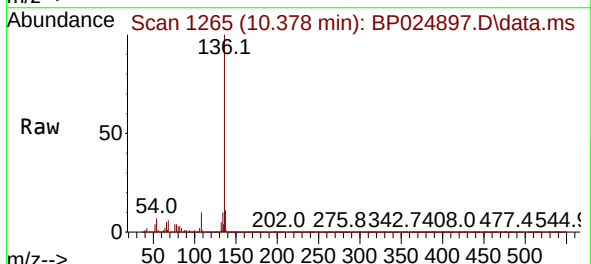
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.4	20.2
71	34.5	27.6	41.4

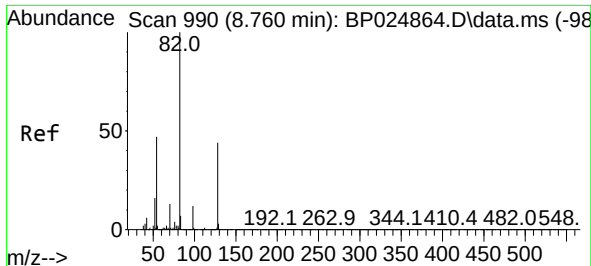


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion: 136 Resp: 960347

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	6.1	9.1
68	5.9	4.6	7.0

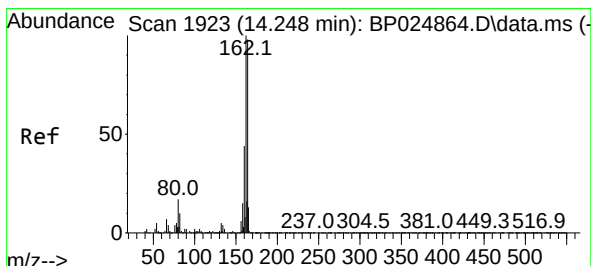
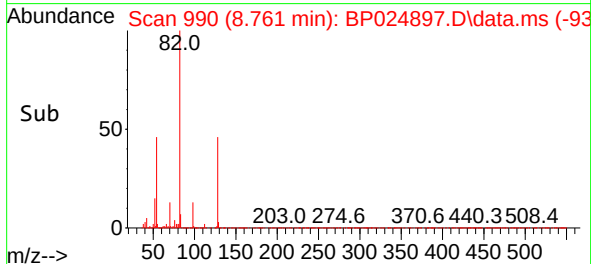
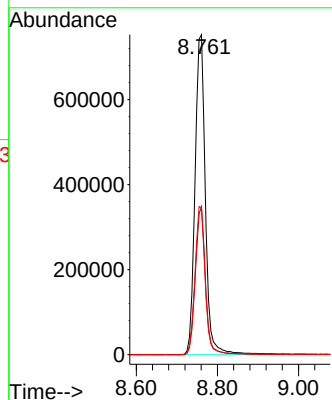
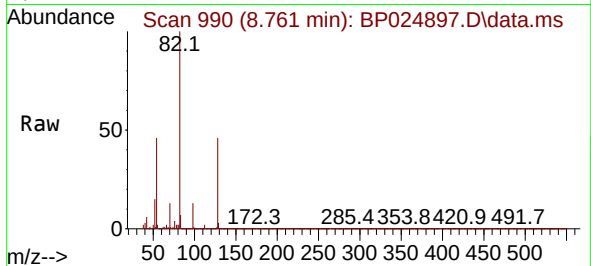




#23
Nitrobenzene-d5
Concen: 68.116 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

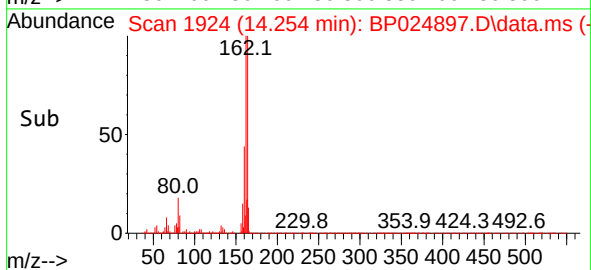
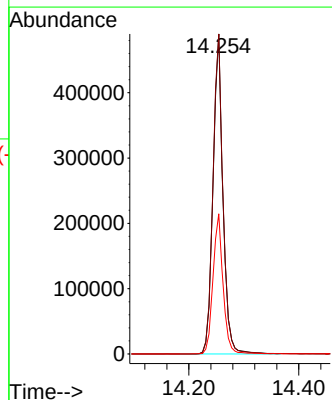
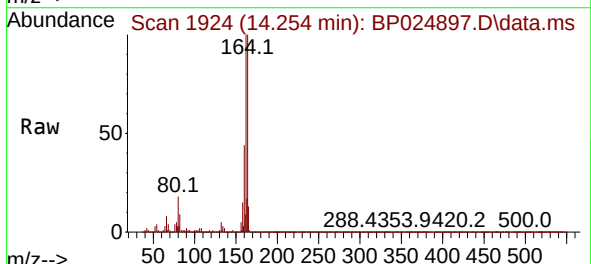
Instrument :
BNA_P
ClientSampleId :
TP-27

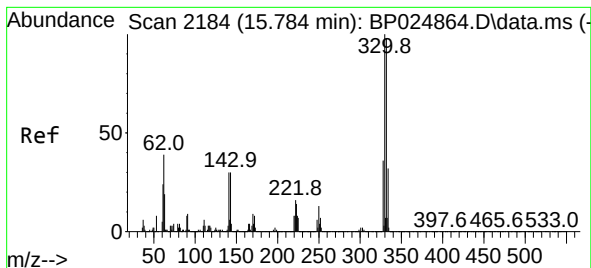
Tgt Ion: 82 Resp: 1346189
Ion Ratio Lower Upper
82 100
128 46.3 35.3 52.9
54 46.0 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:164 Resp: 611548
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 43.8 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 125.156 ng

RT: 15.784 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BP024897.D

Acq: 10 Jun 2025 17:08

Instrument :

BNA_P

ClientSampleId :

TP-27

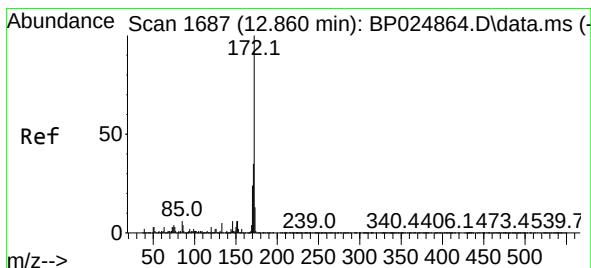
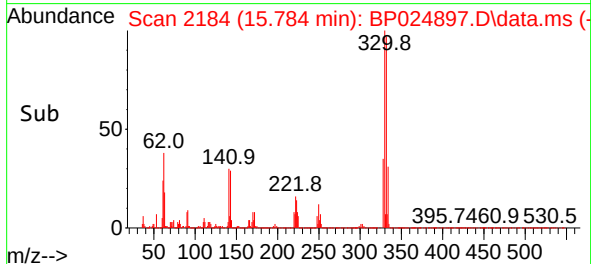
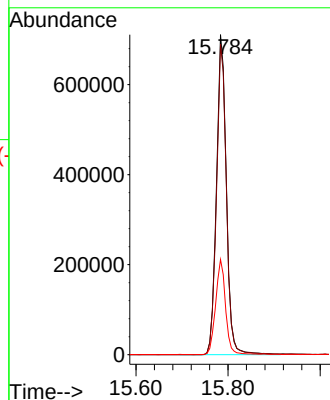
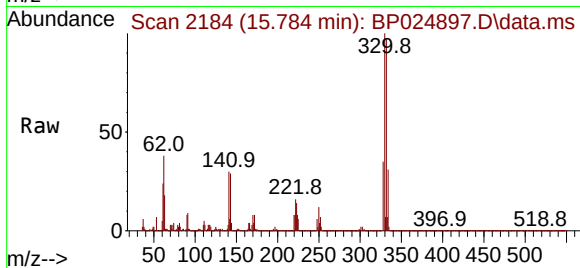
Tgt Ion:330 Resp: 1058190

Ion Ratio Lower Upper

330 100

332 97.0 77.7 116.5

141 29.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 71.535 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024897.D

Acq: 10 Jun 2025 17:08

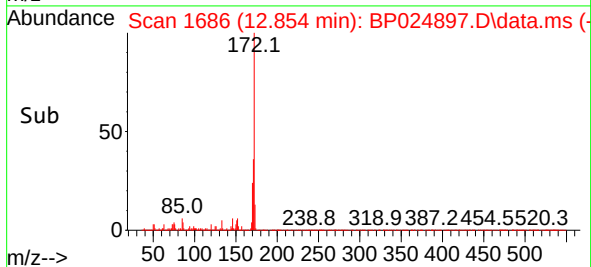
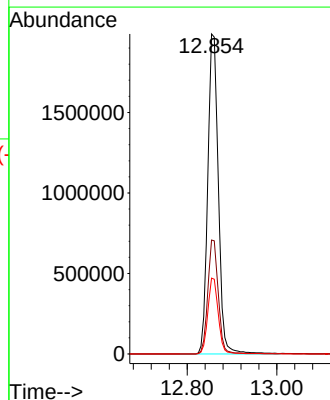
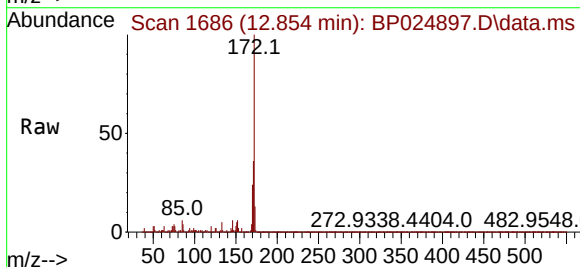
Tgt Ion:172 Resp: 3247438

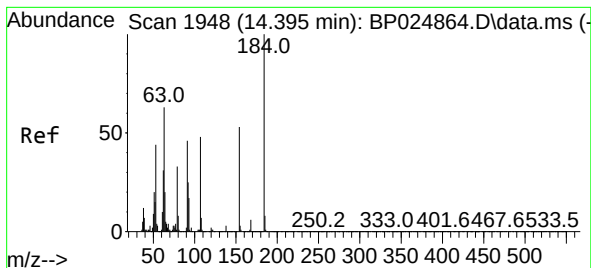
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.7 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.566 ng

RT: 14.384 min Scan# 1946

Delta R.T. -0.011 min

Lab File: BP024897.D

Acq: 10 Jun 2025 17:08

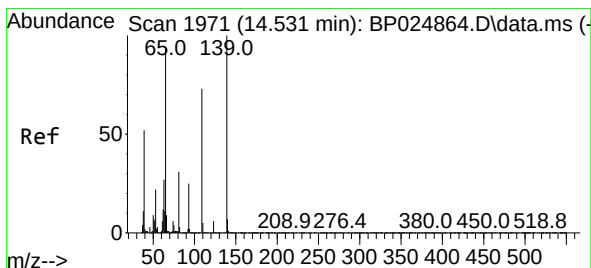
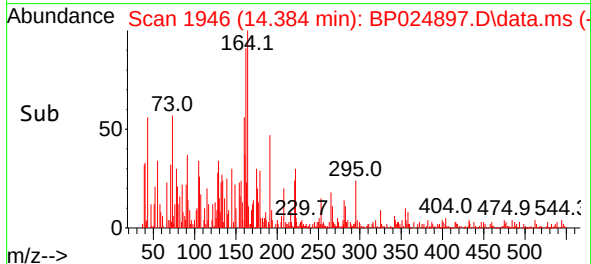
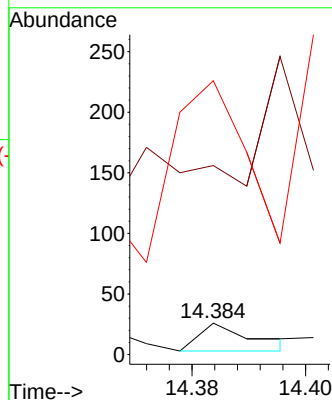
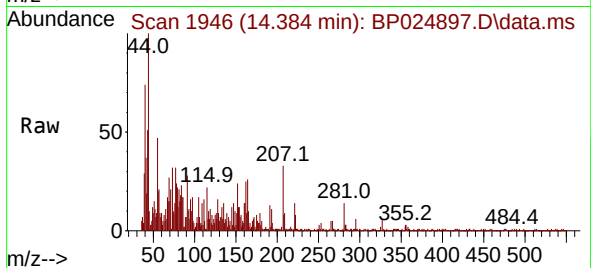
Instrument :

BNA_P

ClientSampleId :

TP-27

Tgt Ion:	184	Resp:	15
Ion	Ratio	Lower	Upper
184	100		
63	600.0	51.0	76.4#
154	869.2	51.7	77.5#



#56

4-Nitrophenol

Concen: 5.440 ng

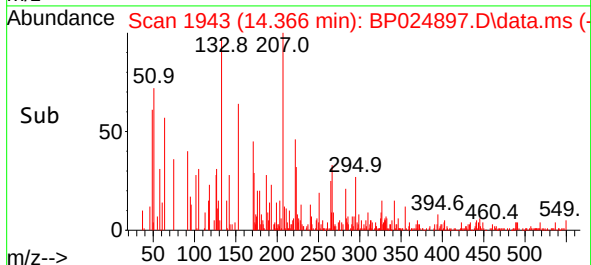
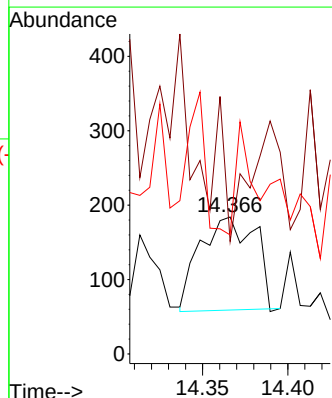
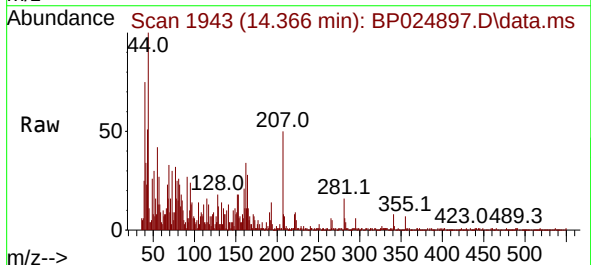
RT: 14.366 min Scan# 1943

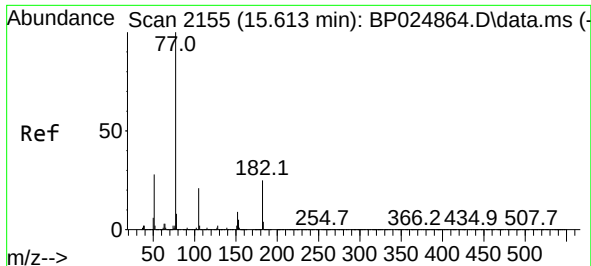
Delta R.T. -0.165 min

Lab File: BP024897.D

Acq: 10 Jun 2025 17:08

Tgt Ion:	139	Resp:	281
Ion	Ratio	Lower	Upper
139	100		
109	81.2	53.1	93.1
65	86.0	73.0	113.0

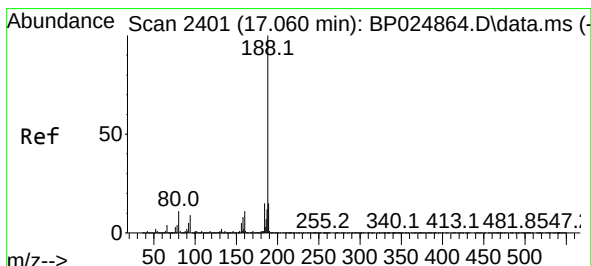
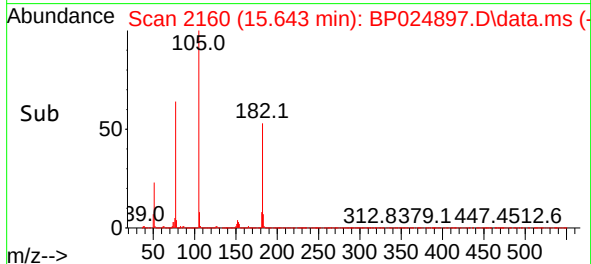
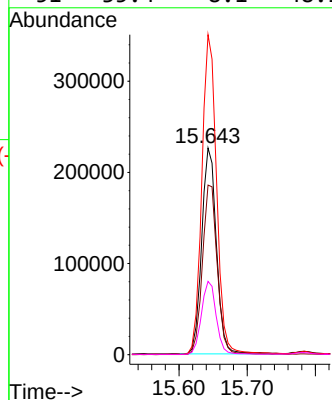
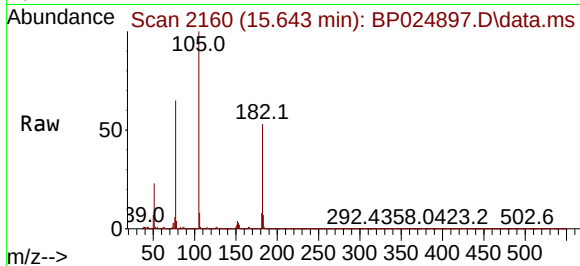




#63
Azobenzene
Concen: 8.274 ng
RT: 15.643 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

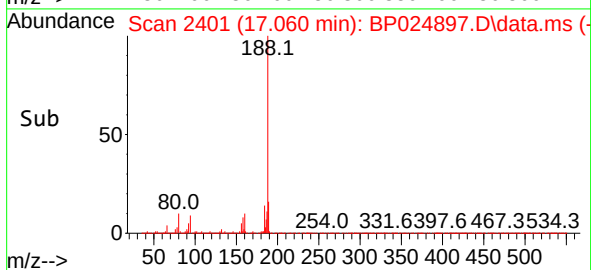
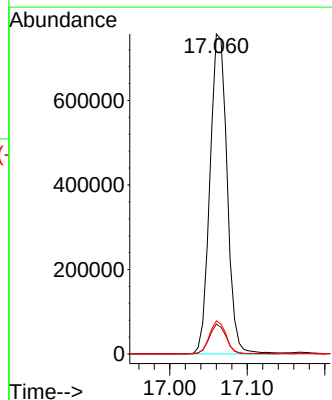
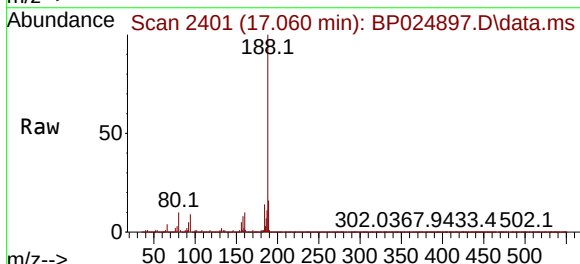
Instrument :
BNA_P
ClientSampleId :
TP-27

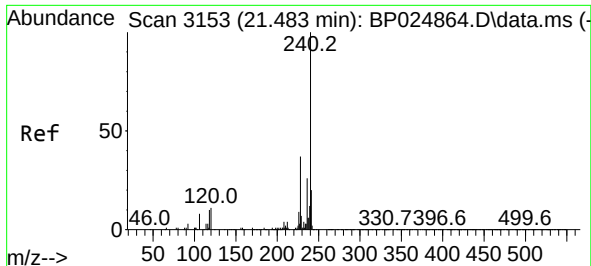
Tgt Ion: 77 Resp: 341165
Ion Ratio Lower Upper
77 100
182 82.0 5.4 45.4#
105 154.8 0.8 40.8#
51 35.4 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:188 Resp: 1164370
Ion Ratio Lower Upper
188 100
94 9.4 7.3 10.9
80 10.4 8.5 12.7

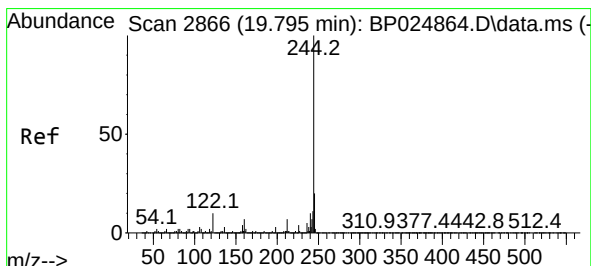
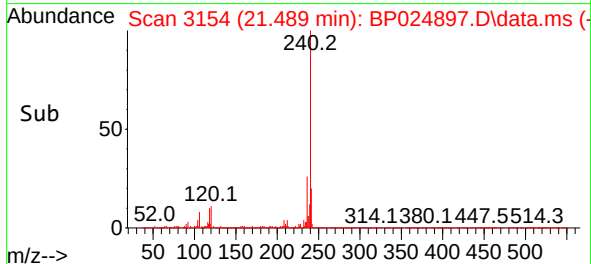
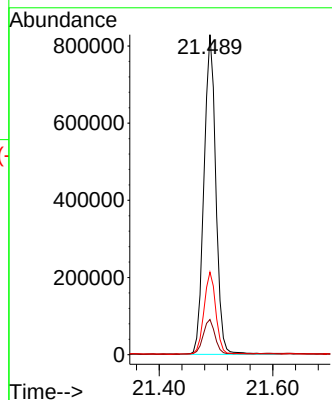
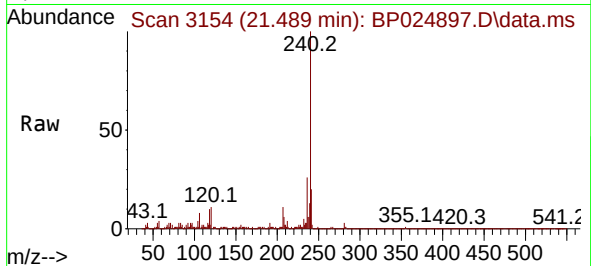




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

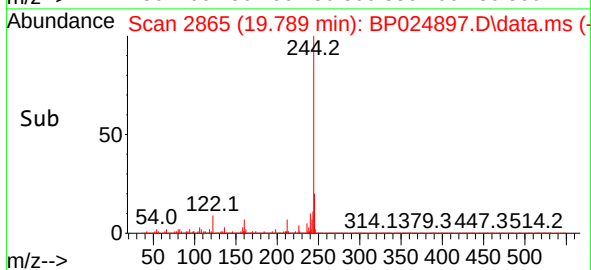
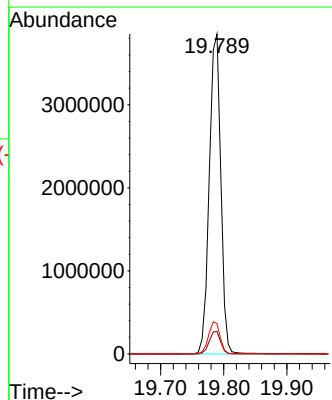
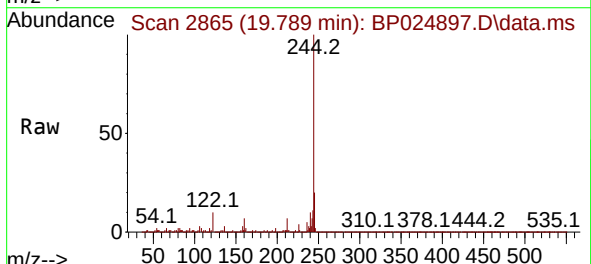
Instrument :
BNA_P
ClientSampleId :
TP-27

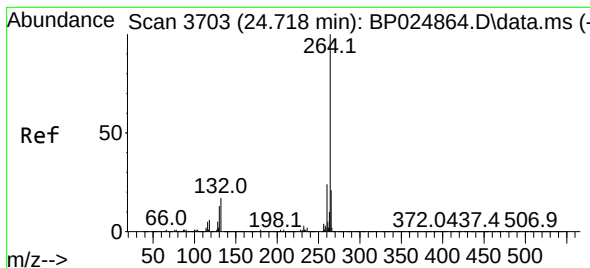
Tgt Ion:240 Resp: 1196927
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 25.8 20.9 31.3



#79
Terphenyl-d14
Concen: 73.186 ng
RT: 19.789 min Scan# 2865
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:244 Resp: 4887638
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 9.5 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.736 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP024897.D

Acq: 10 Jun 2025 17:08

Instrument :

BNA_P

ClientSampleId :

TP-27

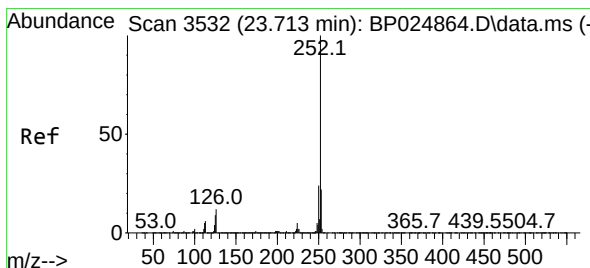
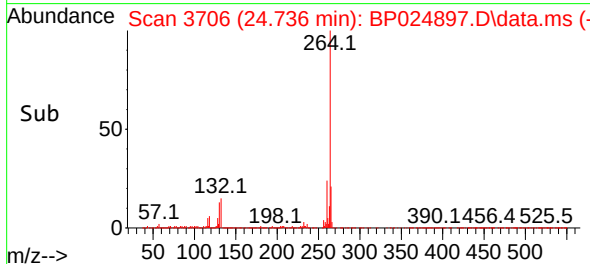
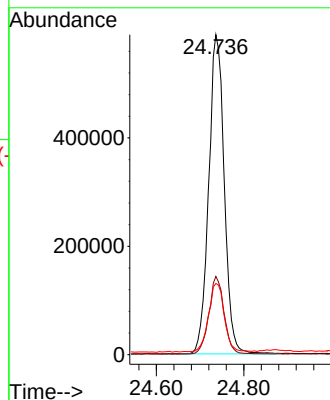
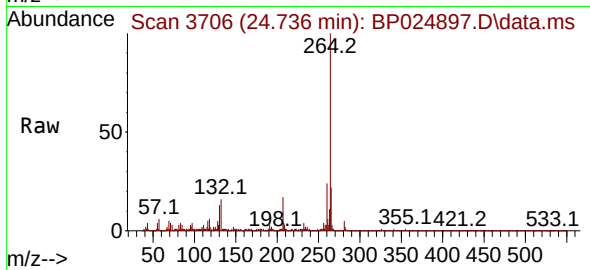
Tgt Ion:264 Resp: 1458416

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

265 22.3 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.750 ng

RT: 23.730 min Scan# 3535

Delta R.T. 0.018 min

Lab File: BP024897.D

Acq: 10 Jun 2025 17:08

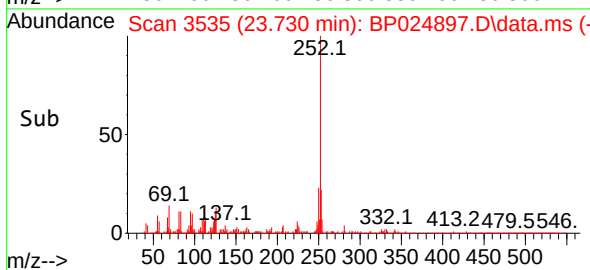
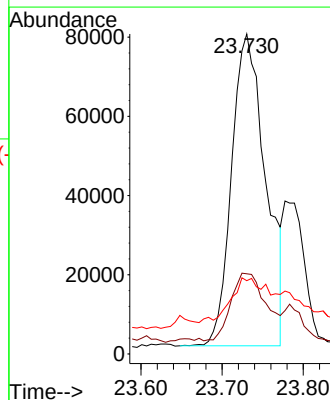
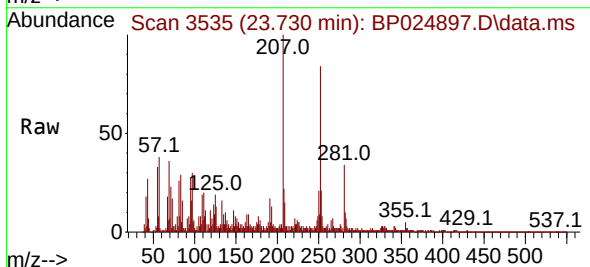
Tgt Ion:252 Resp: 229524

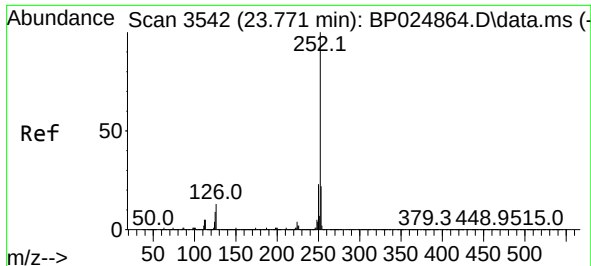
Ion Ratio Lower Upper

252 100

253 25.1 17.6 26.4

125 22.9 7.1 10.7#

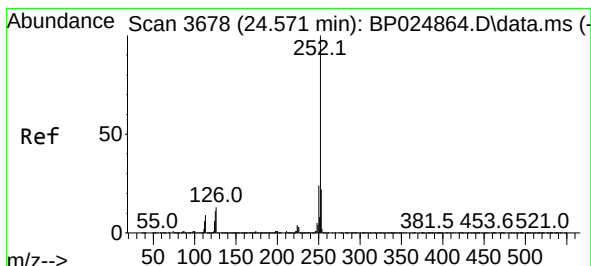
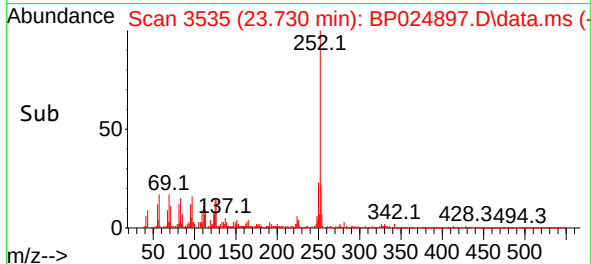
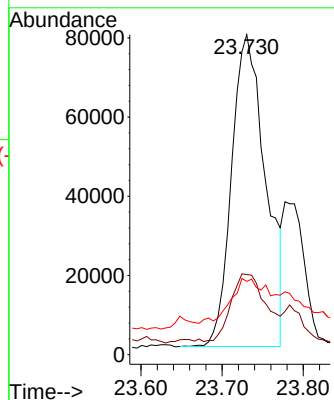
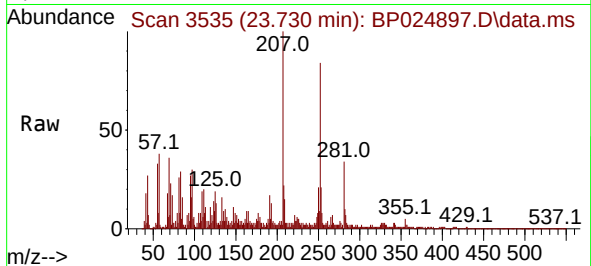




#89
Benzo(k)fluoranthene
Concen: 2.702 ng
RT: 23.730 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

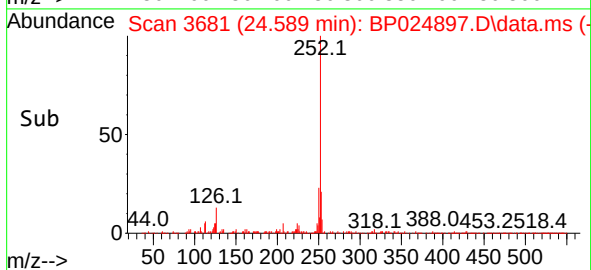
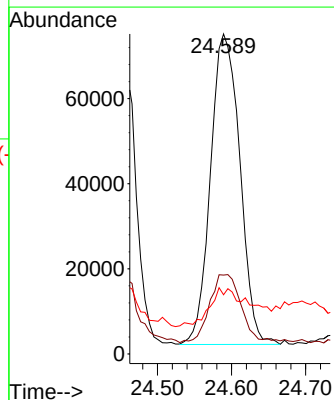
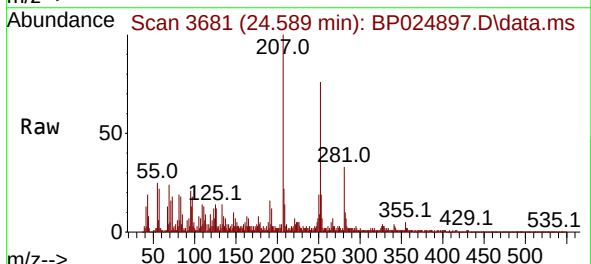
Instrument :
BNA_P
ClientSampleId :
TP-27

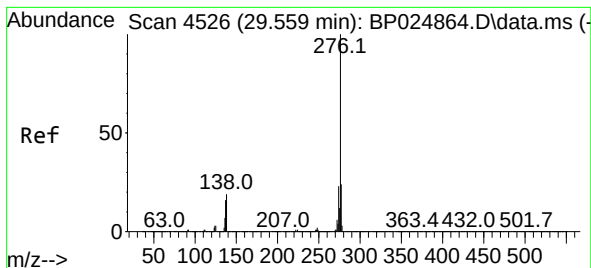
Tgt Ion:252 Resp: 229524
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 22.9 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.465 ng
RT: 24.589 min Scan# 3681
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:252 Resp: 200911
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 18.5 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.771 ng

RT: 29.595 min Scan# 4

Delta R.T. 0.035 min

Lab File: BP024897.D

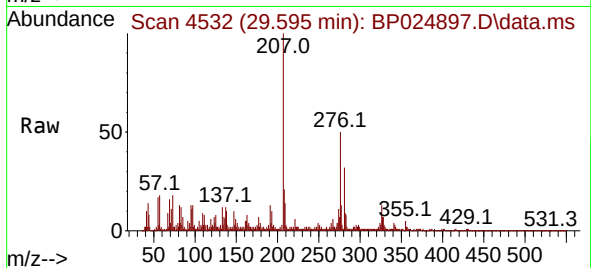
Acq: 10 Jun 2025 17:08

Instrument :

BNA_P

ClientSampleId :

TP-27



Tgt Ion:276 Resp: 238149

Ion Ratio Lower Upper

276 100

277 26.5 19.1 28.7

138 20.4 15.4 23.2

