

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024932.D
 Acq On : 12 Jun 2025 16:33
 Operator : RC/JU
 Sample : Q2296-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2

Quant Time: Jun 12 17:01:31 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)

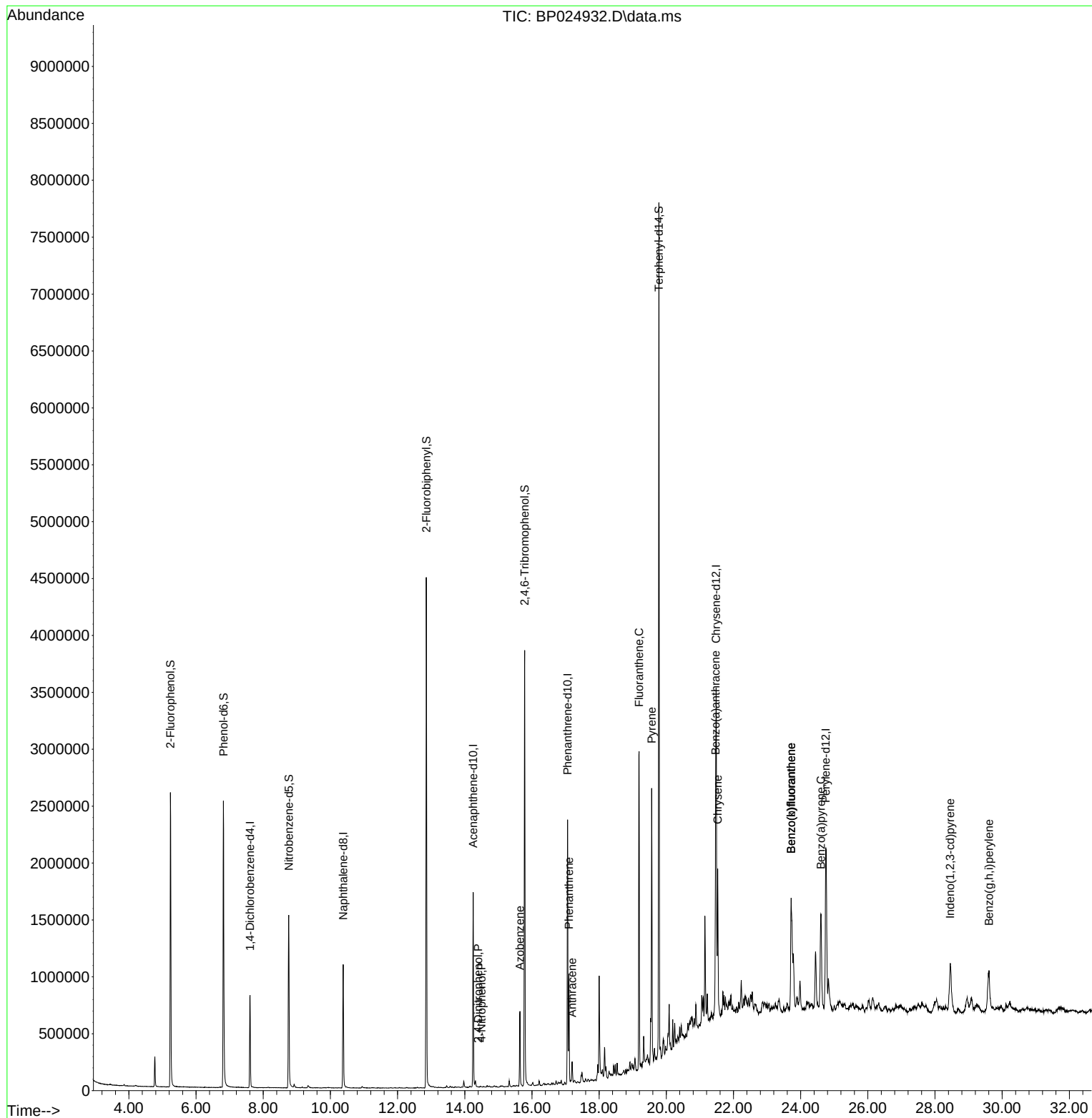
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	232700	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	913766	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	590119	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1210502	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1360743	20.000	ng	0.00
86) Perylene-d12	24.748	264	1571386	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1224118	87.808	ng	0.00
7) Phenol-d6	6.813	99	1582271	85.783	ng	0.00
23) Nitrobenzene-d5	8.760	82	976241	51.915	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	823436	100.927	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2251049	51.387	ng	0.00
79) Terphenyl-d14	19.777	244	3719906	48.995	ng	-0.02
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.395	184	19	5.566	ng	# 1
56) 4-Nitrophenol	14.501	139	176	5.429	ng	89
63) Azobenzene	15.637	77	204247	5.133	ng	# 1
71) Phenanthrene	17.101	178	582171	8.703	ng	100
72) Anthracene	17.195	178	139381	2.057	ng	99
75) Fluoranthene	19.189	202	1641412	21.170	ng	98
78) Pyrene	19.566	202	1402920	16.503	ng	100
81) Benzo(a)anthracene	21.466	228	881200	10.125	ng	99
83) Chrysene	21.530	228	796976	9.665	ng	98
87) Indeno(1,2,3-cd)pyrene	28.453	276	653933	5.704	ng	96
88) Benzo(b)fluoranthene	23.718	252	1213358	13.492	ng	97
89) Benzo(k)fluoranthene	23.718	252	1213358	13.255	ng	98
90) Benzo(a)pyrene	24.601	252	872011	9.929	ng	97
92) Benzo(g,h,i)perylene	29.606	276	621031	6.707	ng	99

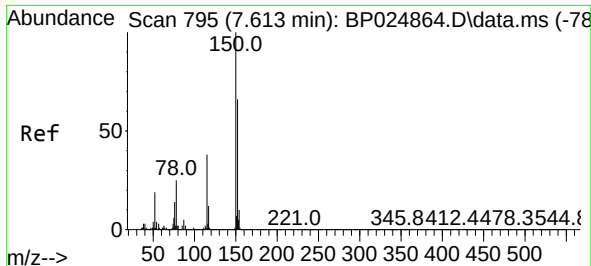
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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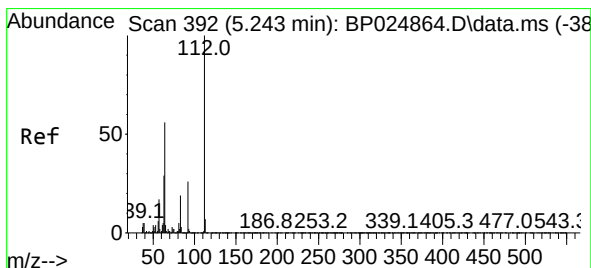
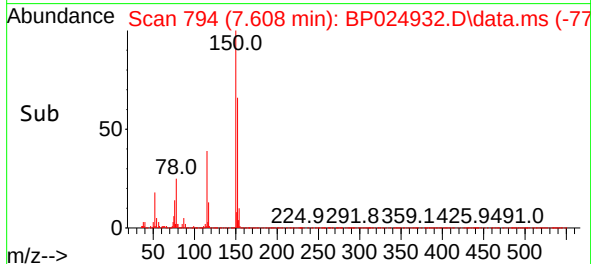
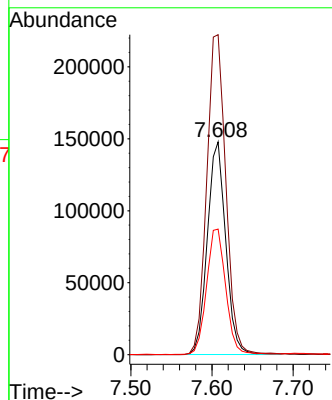
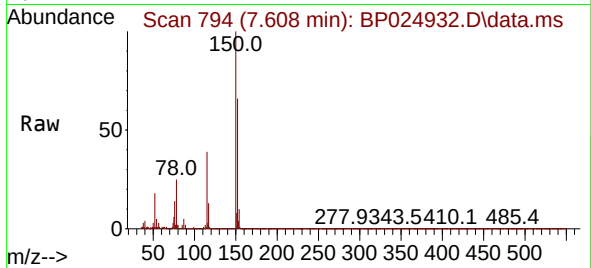




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

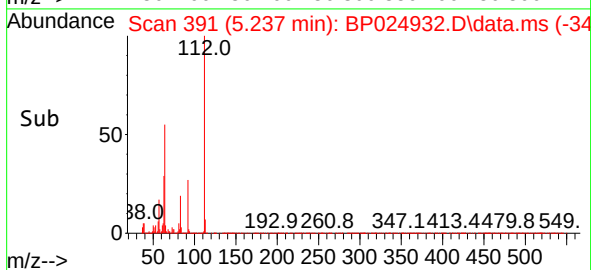
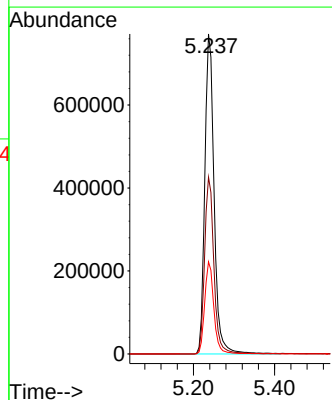
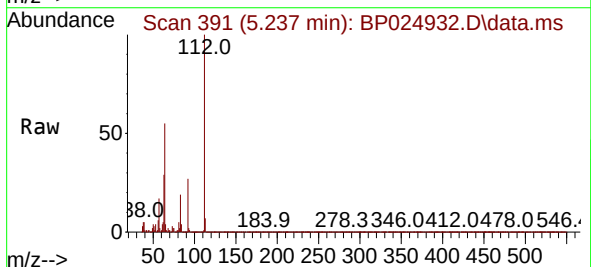
Instrument :
BNA_P
ClientSampleId :
WC-2

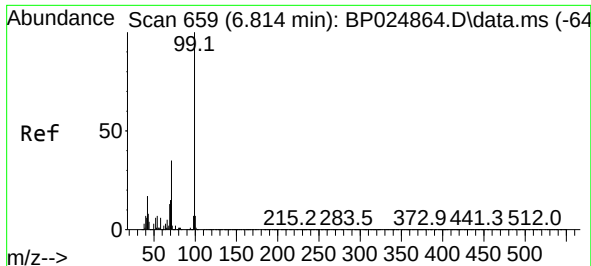
Tgt Ion:152 Resp: 232700
Ion Ratio Lower Upper
152 100
150 150.4 122.1 183.1
115 59.0 46.4 69.6



#5
2-Fluorophenol
Concen: 87.808 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion:112 Resp: 1224118
Ion Ratio Lower Upper
112 100
64 55.2 44.7 67.1
63 28.8 23.5 35.3



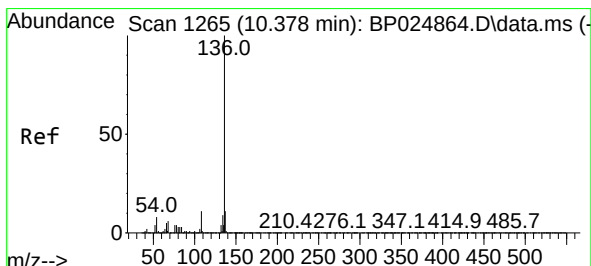
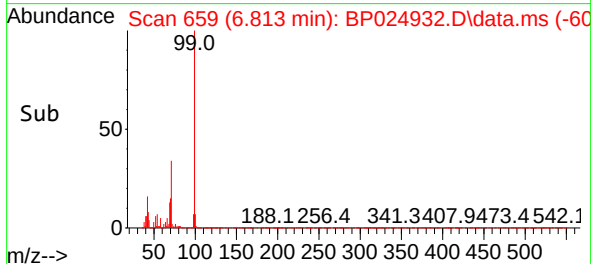
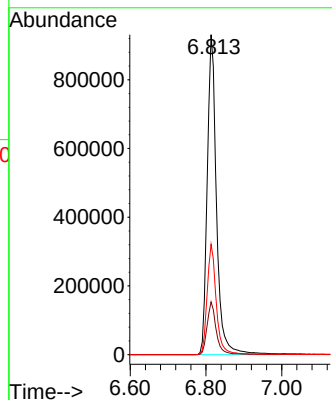
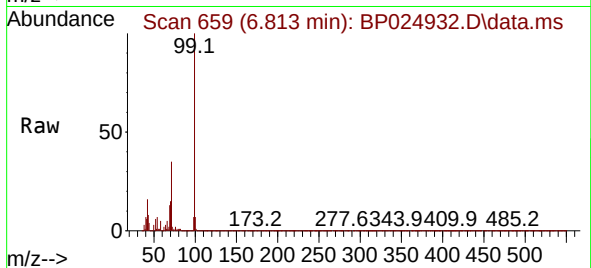


#7
Phenol-d6
Concen: 85.783 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Instrument :
BNA_P
ClientSampleId :
WC-2

Tgt Ion: 99 Resp: 1582271

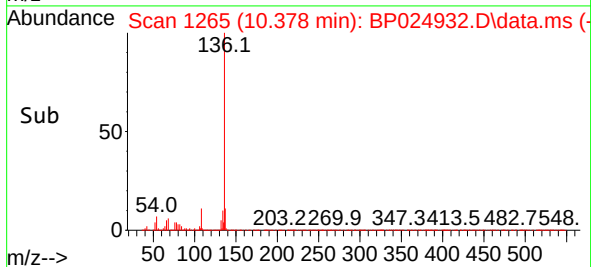
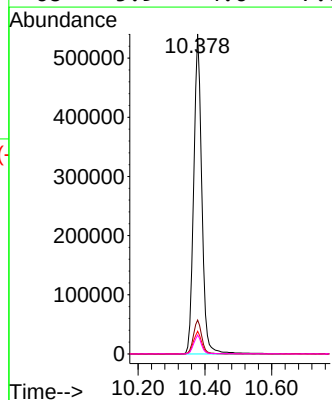
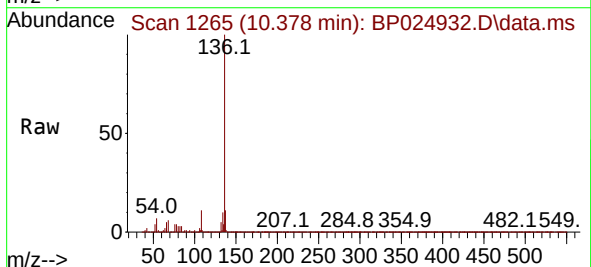
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.4	20.2
71	34.5	27.6	41.4

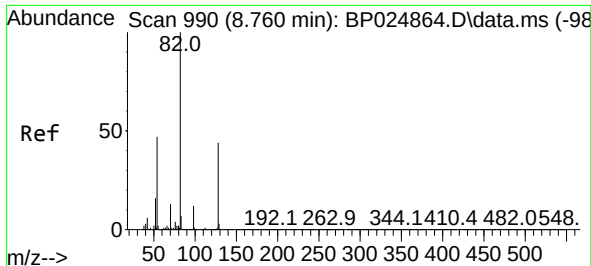


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion: 136 Resp: 913766

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.1	6.1	9.1
68	5.9	4.6	7.0

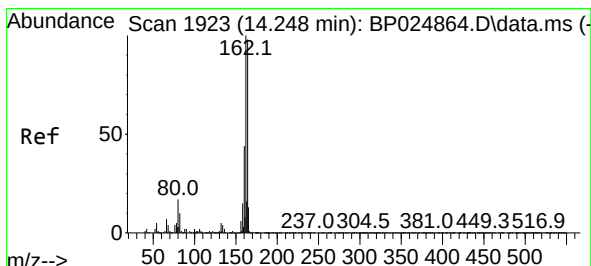
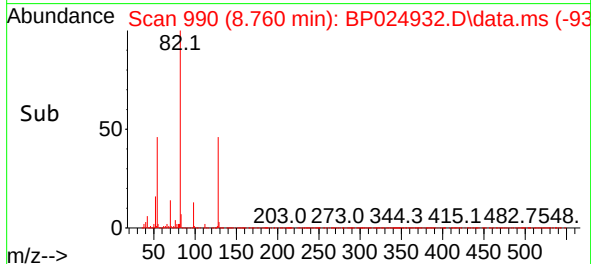
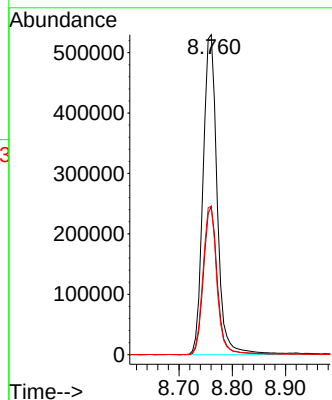
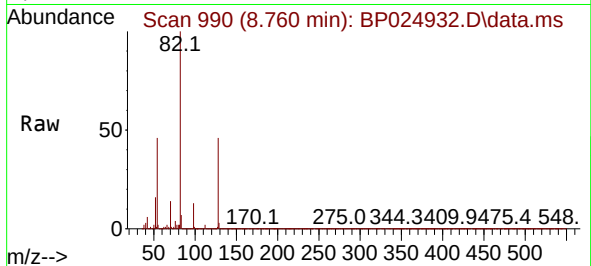




#23
Nitrobenzene-d5
Concen: 51.915 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

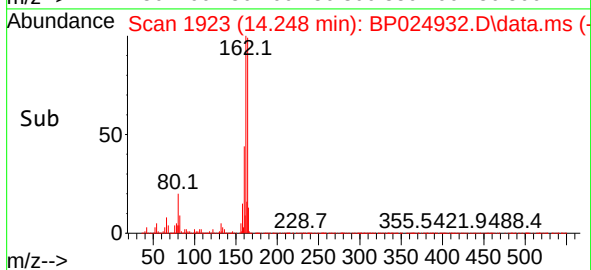
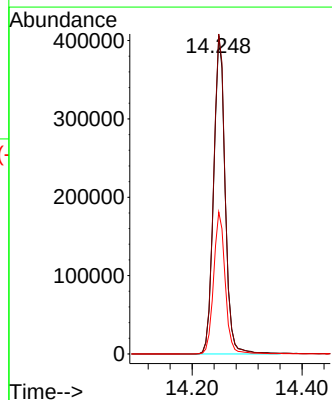
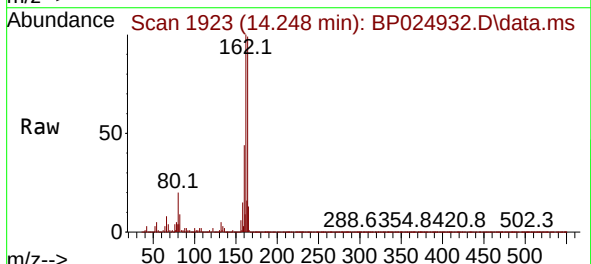
Instrument :
BNA_P
ClientSampleId :
WC-2

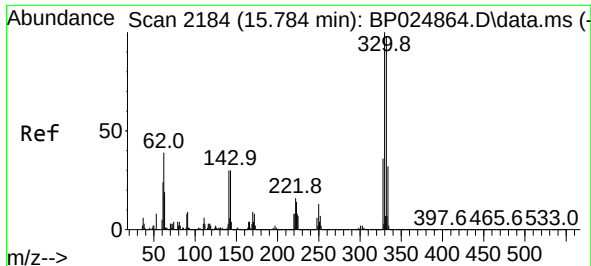
Tgt Ion: 82 Resp: 976241
Ion Ratio Lower Upper
82 100
128 46.3 35.3 52.9
54 46.4 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion:164 Resp: 590119
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 44.6 36.2 54.2

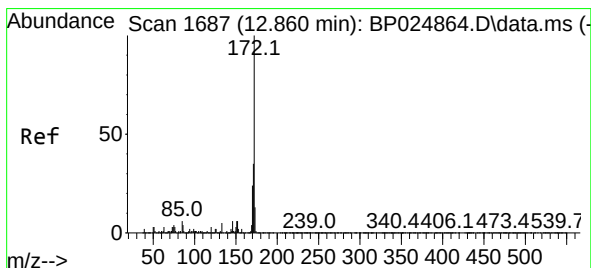
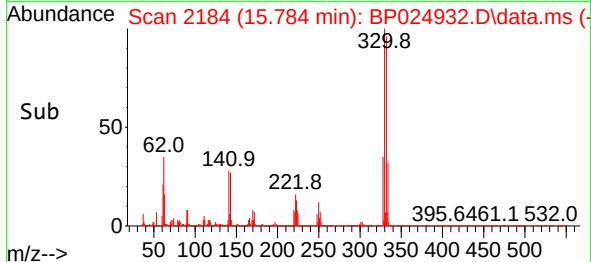
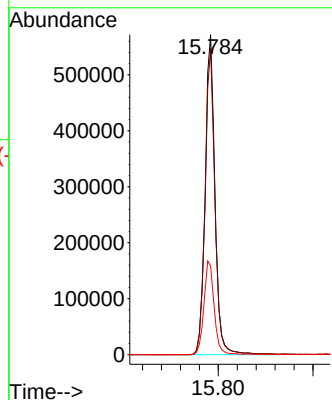
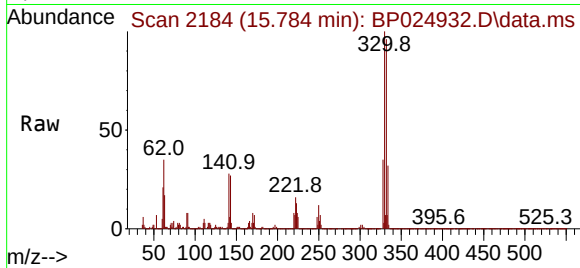




#42
2,4,6-Tribromophenol
Concen: 100.927 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

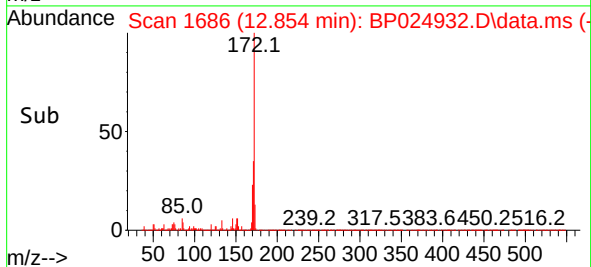
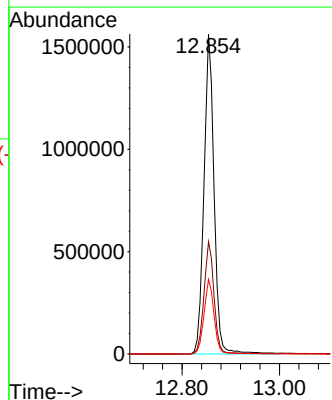
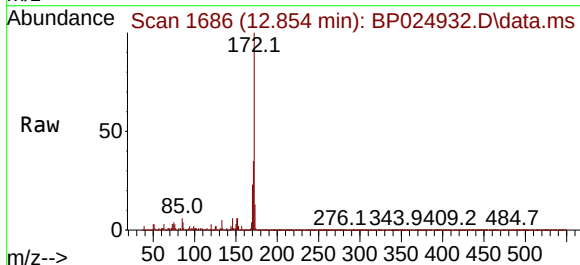
Instrument :
BNA_P
ClientSampleId :
WC-2

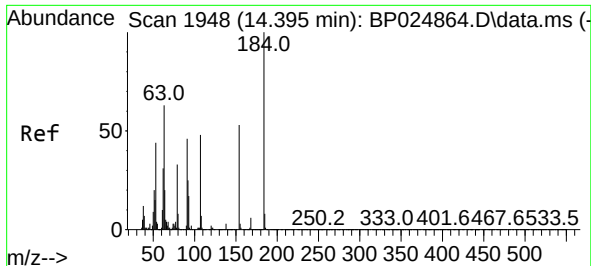
Tgt Ion:330 Resp: 823436
Ion Ratio Lower Upper
330 100
332 96.0 77.7 116.5
141 30.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 51.387 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion:172 Resp: 2251049
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.3 19.0 28.4

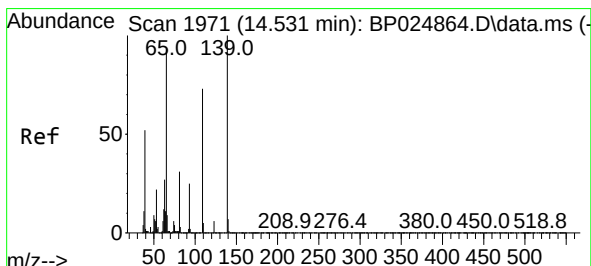
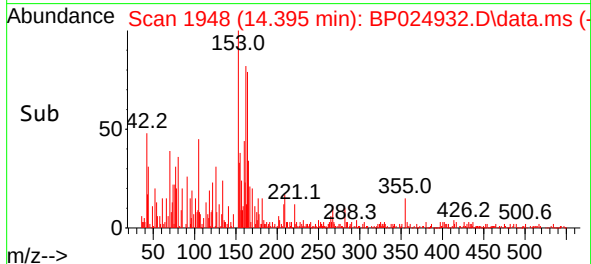
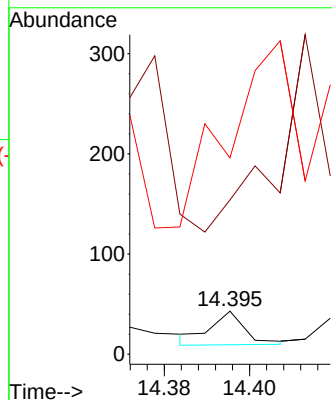
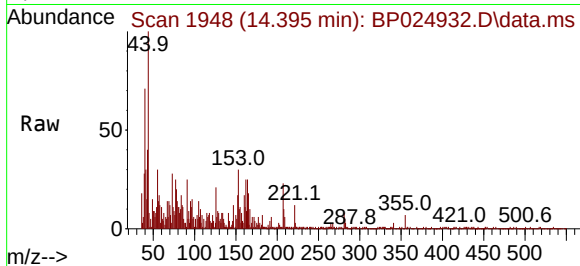




#54
2,4-Dinitrophenol
Concen: 5.566 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

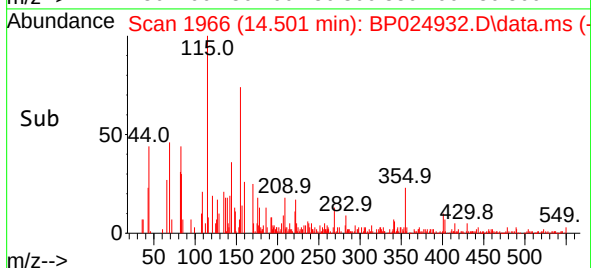
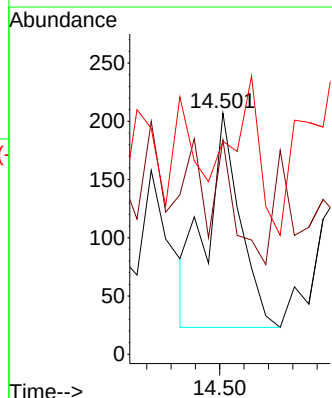
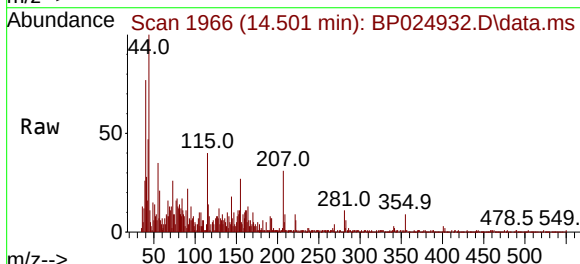
Instrument :
BNA_P
ClientSampleId :
WC-2

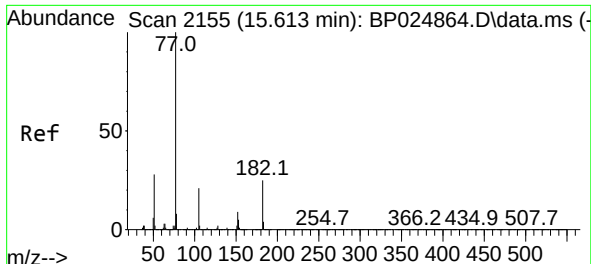
Tgt Ion:	184	Resp:	19
Ion	Ratio	Lower	Upper
184	100		
63	358.1	51.0	76.4#
154	455.8	51.7	77.5#



#56
4-Nitrophenol
Concen: 5.429 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.030 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion:	139	Resp:	176
Ion	Ratio	Lower	Upper
139	100		
109	88.9	53.1	93.1
65	88.4	73.0	113.0

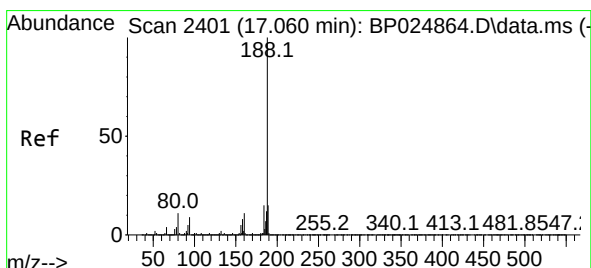
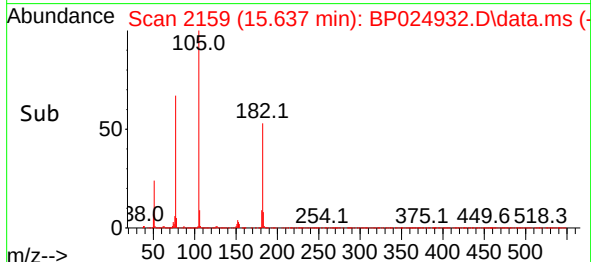
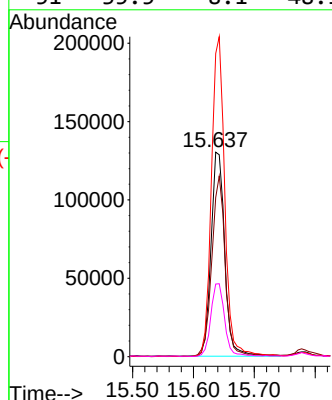
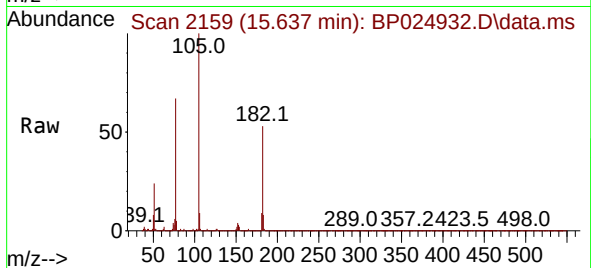




#63
Azobenzene
Concen: 5.133 ng
RT: 15.637 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

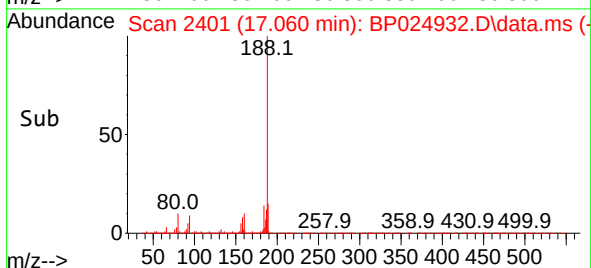
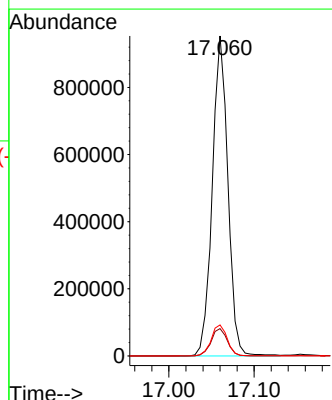
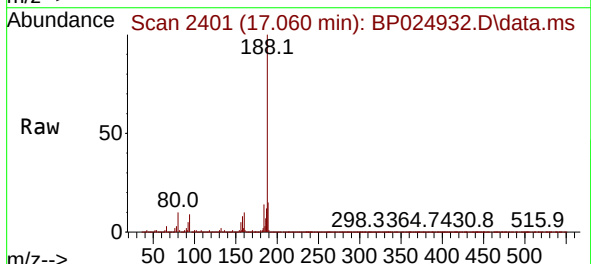
Instrument :
BNA_P
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WC-2

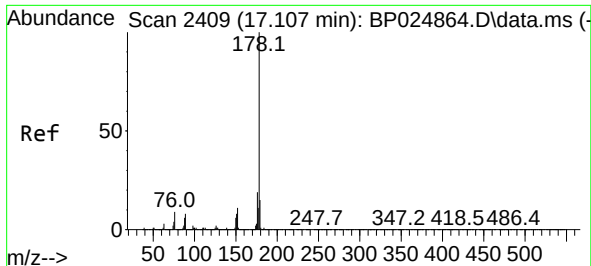
Tgt Ion: 77 Resp: 204247
Ion Ratio Lower Upper
77 100
182 77.8 5.4 45.4#
105 148.2 0.8 40.8#
51 35.5 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion: 188 Resp: 1210502
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 9.7 8.5 12.7

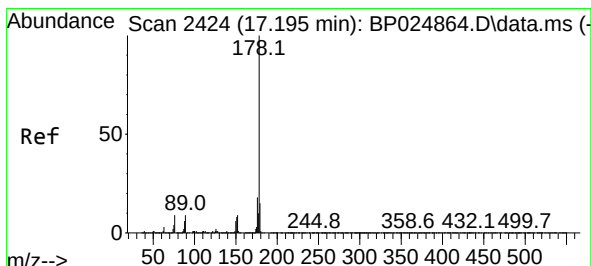
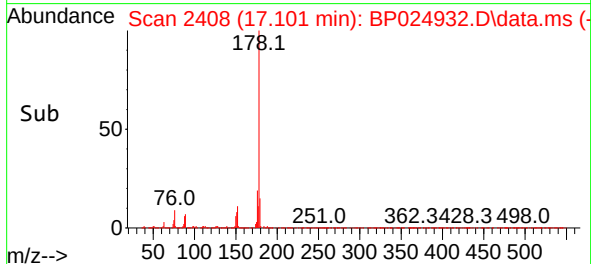
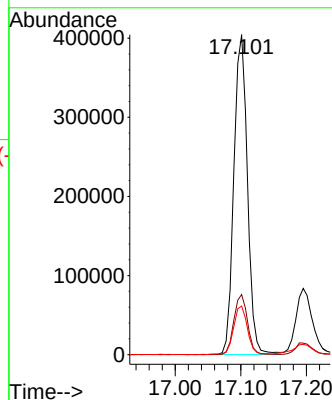
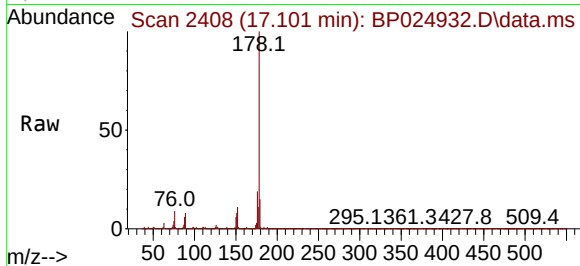




#71
Phenanthrene
Concen: 8.703 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

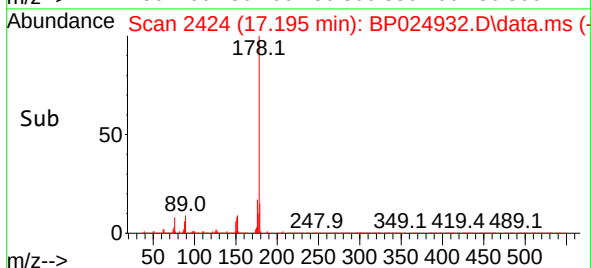
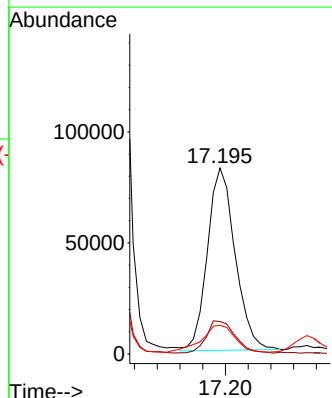
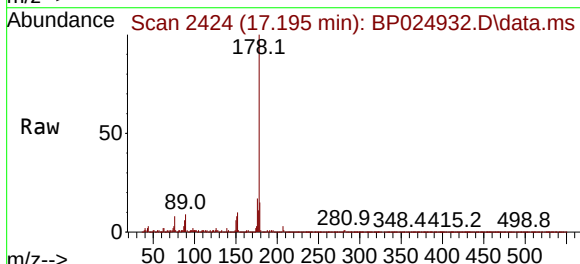
Instrument :
BNA_P
ClientSampleId :
WC-2

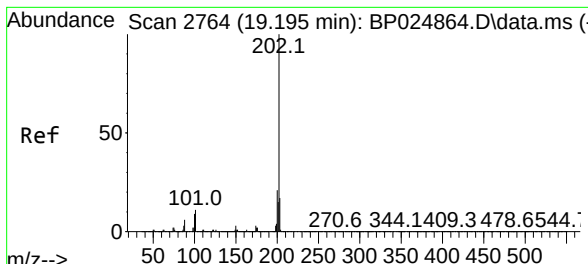
Tgt Ion:178 Resp: 582171
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.2 12.1 18.1



#72
Anthracene
Concen: 2.057 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion:178 Resp: 139381
Ion Ratio Lower Upper
178 100
176 17.4 14.7 22.1
179 15.4 12.3 18.5

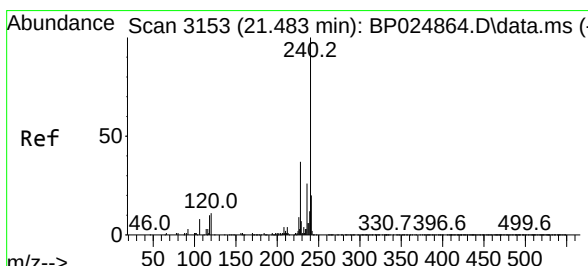
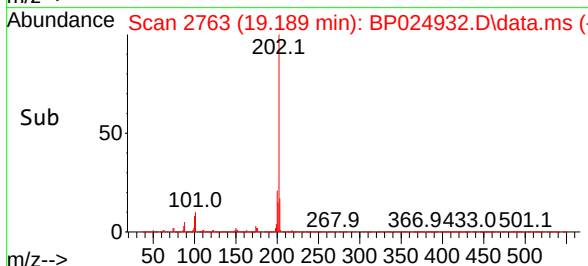
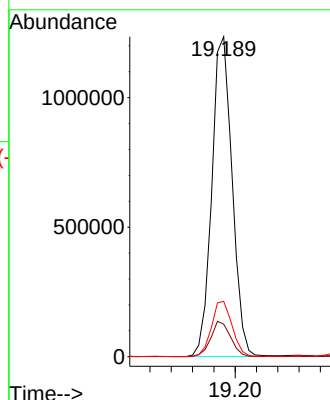
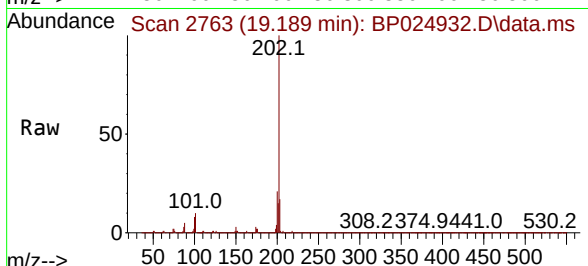




#75
Fluoranthene
Concen: 21.170 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

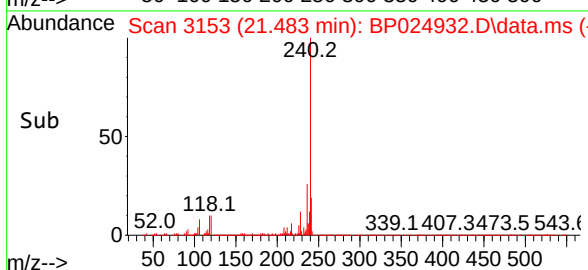
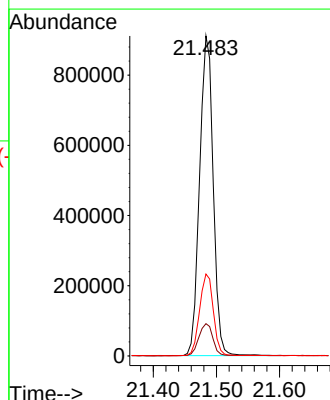
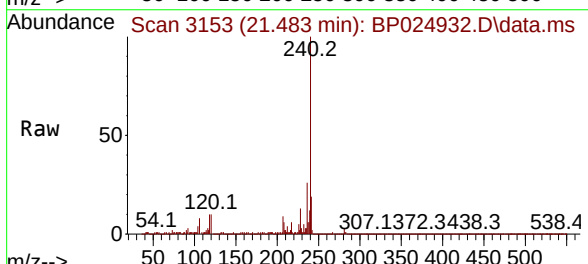
Instrument :
BNA_P
ClientSampleId :
WC-2

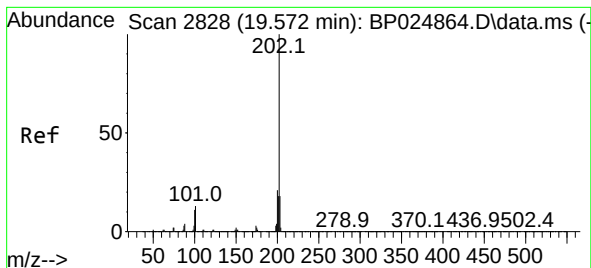
Tgt Ion:202 Resp: 1641412
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Tgt Ion:240 Resp: 1360743
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.6 20.9 31.3





#78

Pyrene

Concen: 16.503 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

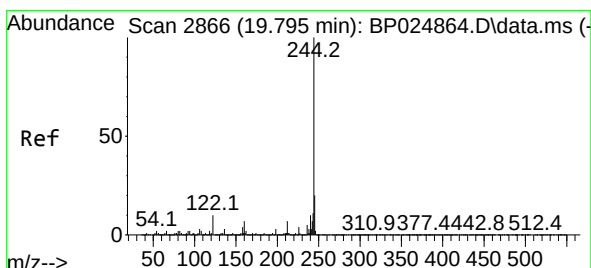
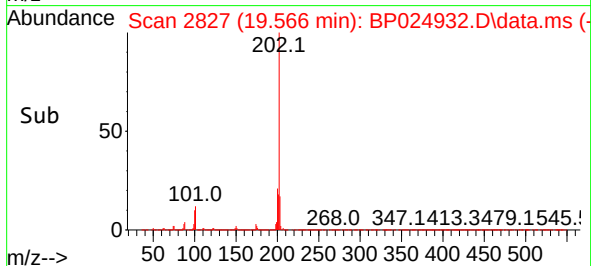
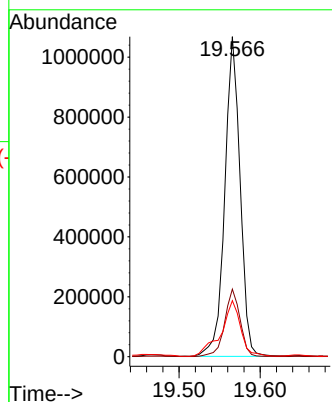
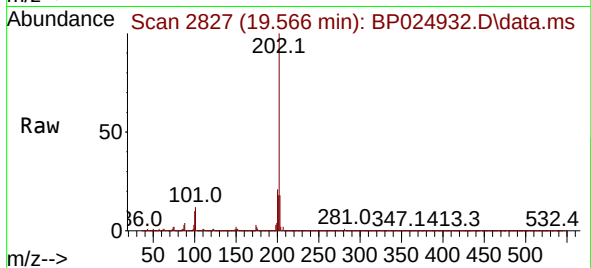
Tgt Ion:202 Resp: 1402920

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.5 14.0 21.0



#79

Terphenyl-d14

Concen: 48.995 ng

RT: 19.777 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

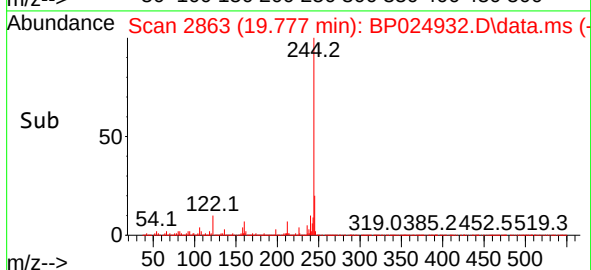
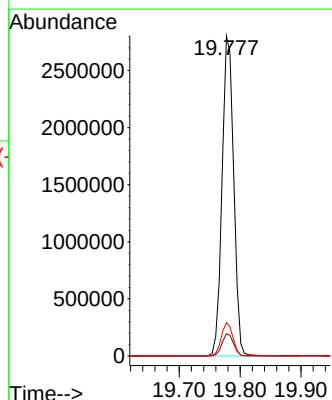
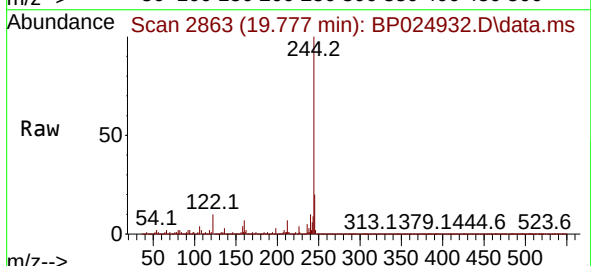
Tgt Ion:244 Resp: 3719906

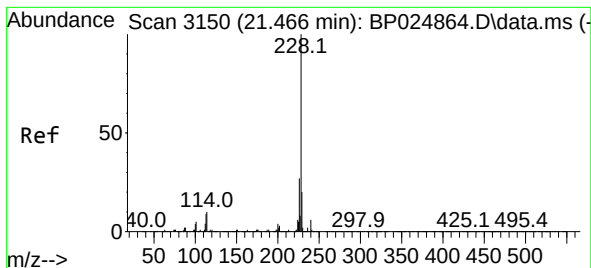
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.4 7.7 11.5





#81

Benzo(a)anthracene

Concen: 10.125 ng

RT: 21.466 min Scan# 3150

Delta R.T. -0.000 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

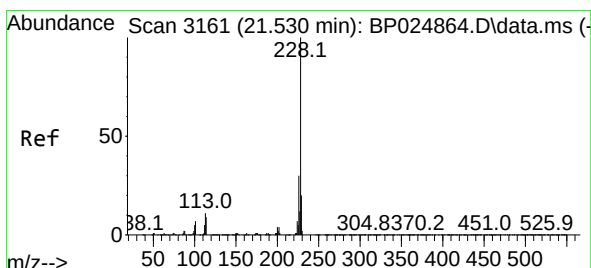
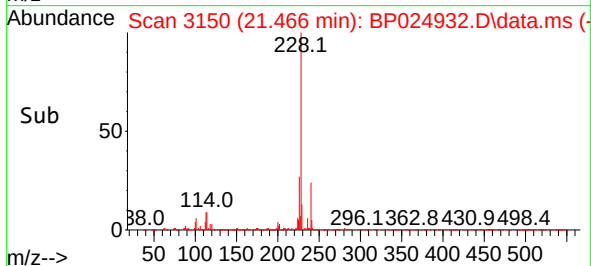
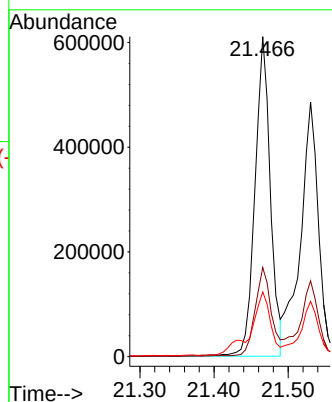
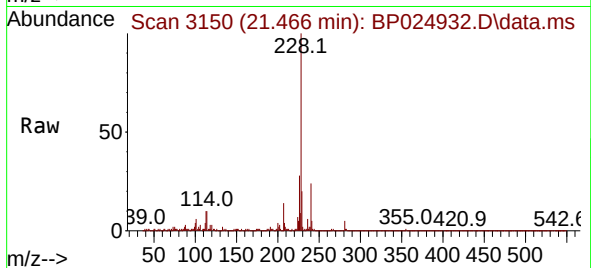
Tgt Ion:228 Resp: 881200

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 20.3 15.9 23.9



#83

Chrysene

Concen: 9.665 ng

RT: 21.530 min Scan# 3161

Delta R.T. -0.000 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

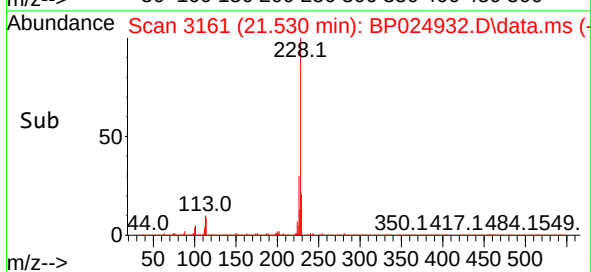
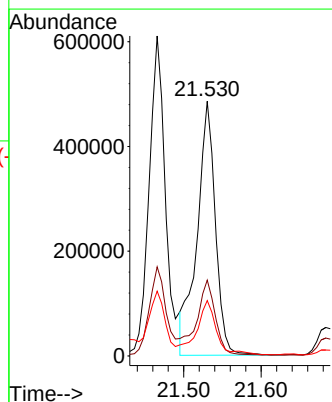
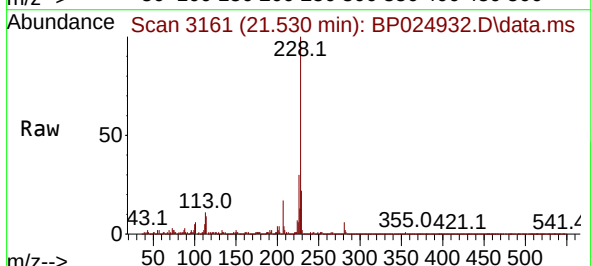
Tgt Ion:228 Resp: 796976

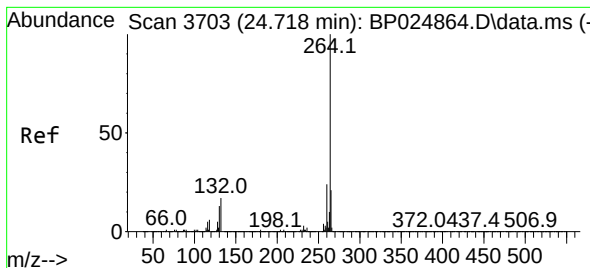
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 21.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.748 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

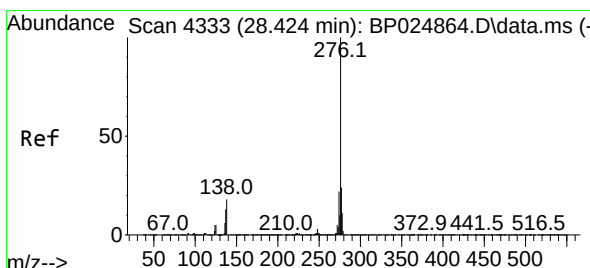
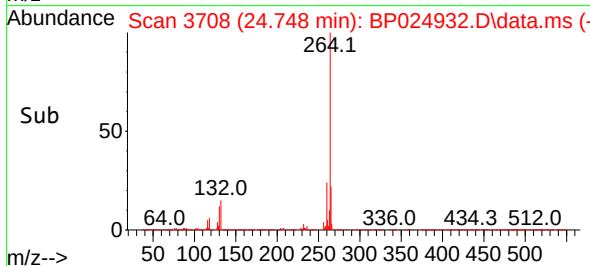
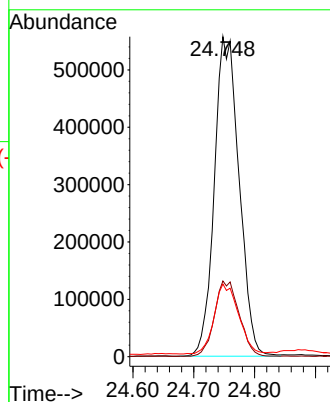
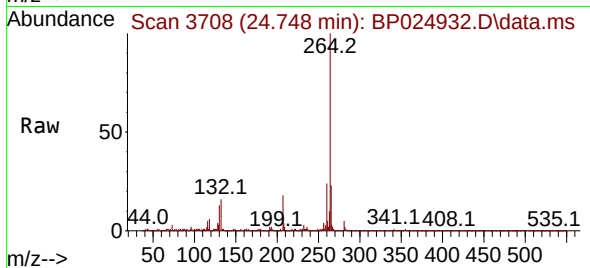
Tgt Ion:264 Resp: 1571386

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 22.7 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.704 ng

RT: 28.453 min Scan# 4338

Delta R.T. 0.029 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

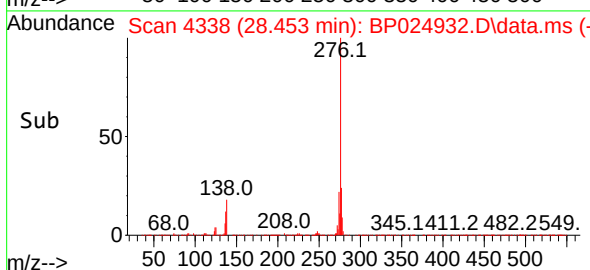
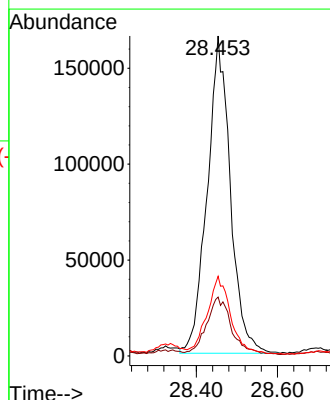
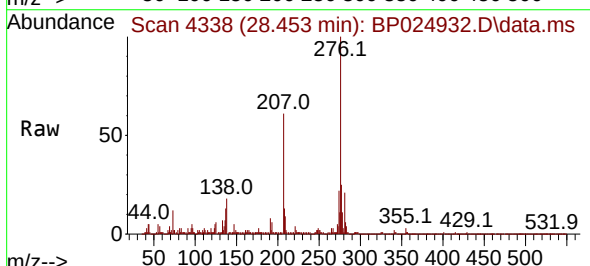
Tgt Ion:276 Resp: 653933

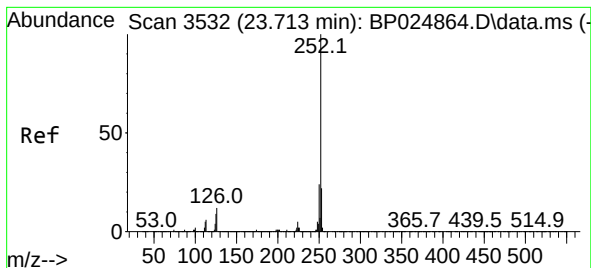
Ion Ratio Lower Upper

276 100

138 19.5 18.6 27.8

277 25.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 13.492 ng

RT: 23.718 min Scan# 3533

Delta R.T. 0.006 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

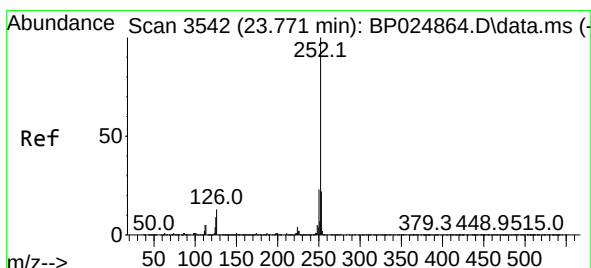
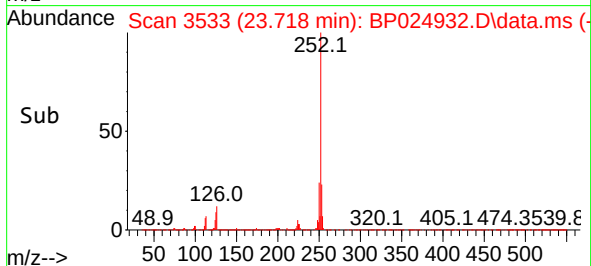
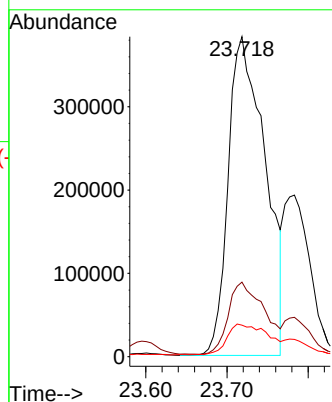
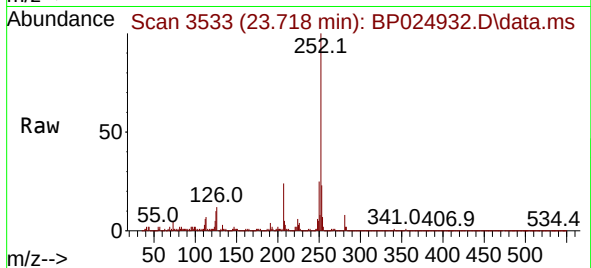
Tgt Ion:252 Resp: 1213358

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 9.9 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 13.255 ng

RT: 23.718 min Scan# 3533

Delta R.T. -0.053 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

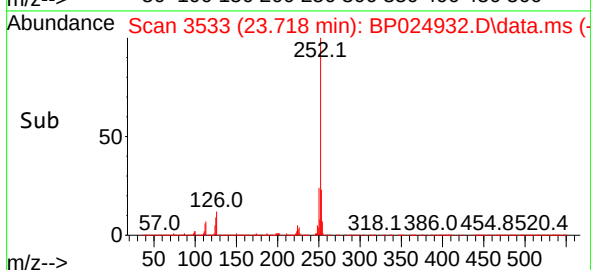
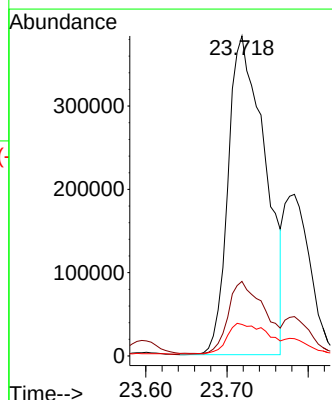
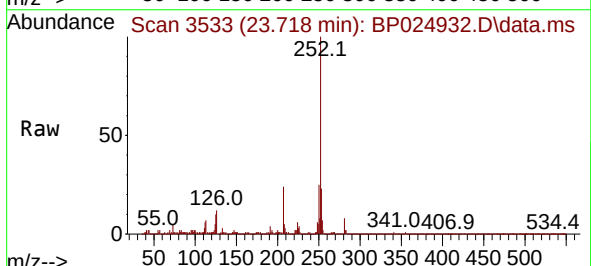
Tgt Ion:252 Resp: 1213358

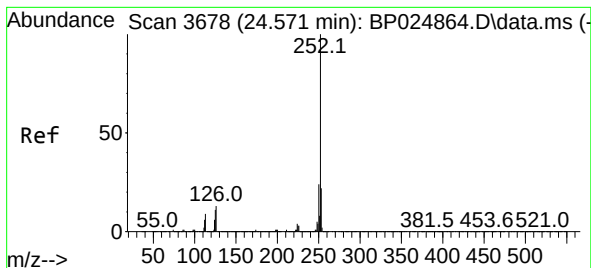
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 9.9 7.4 11.0





#90

Benzo(a)pyrene

Concen: 9.929 ng

RT: 24.601 min Scan# 3

Delta R.T. 0.029 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

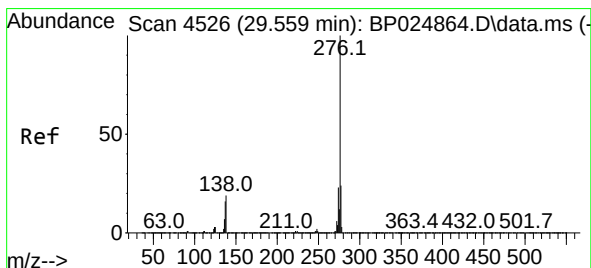
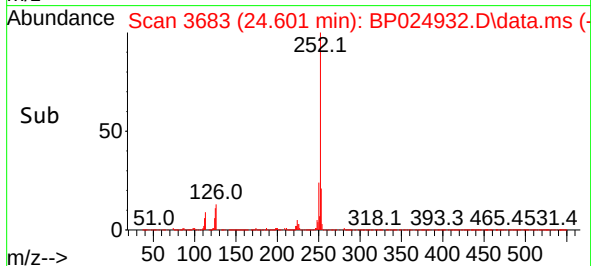
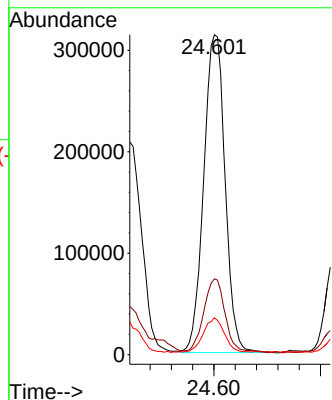
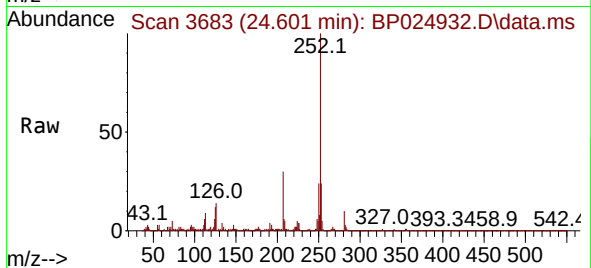
Tgt Ion:252 Resp: 872011

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.6 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 6.707 ng

RT: 29.606 min Scan# 4534

Delta R.T. 0.047 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Tgt Ion:276 Resp: 621031

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 20.2 15.4 23.2

