

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
 Data File : BP024749.D
 Acq On : 21 May 2025 22:59
 Operator : RC/JU
 Sample : Q2084-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-640-COMP-66

Quant Time: May 22 03:05:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

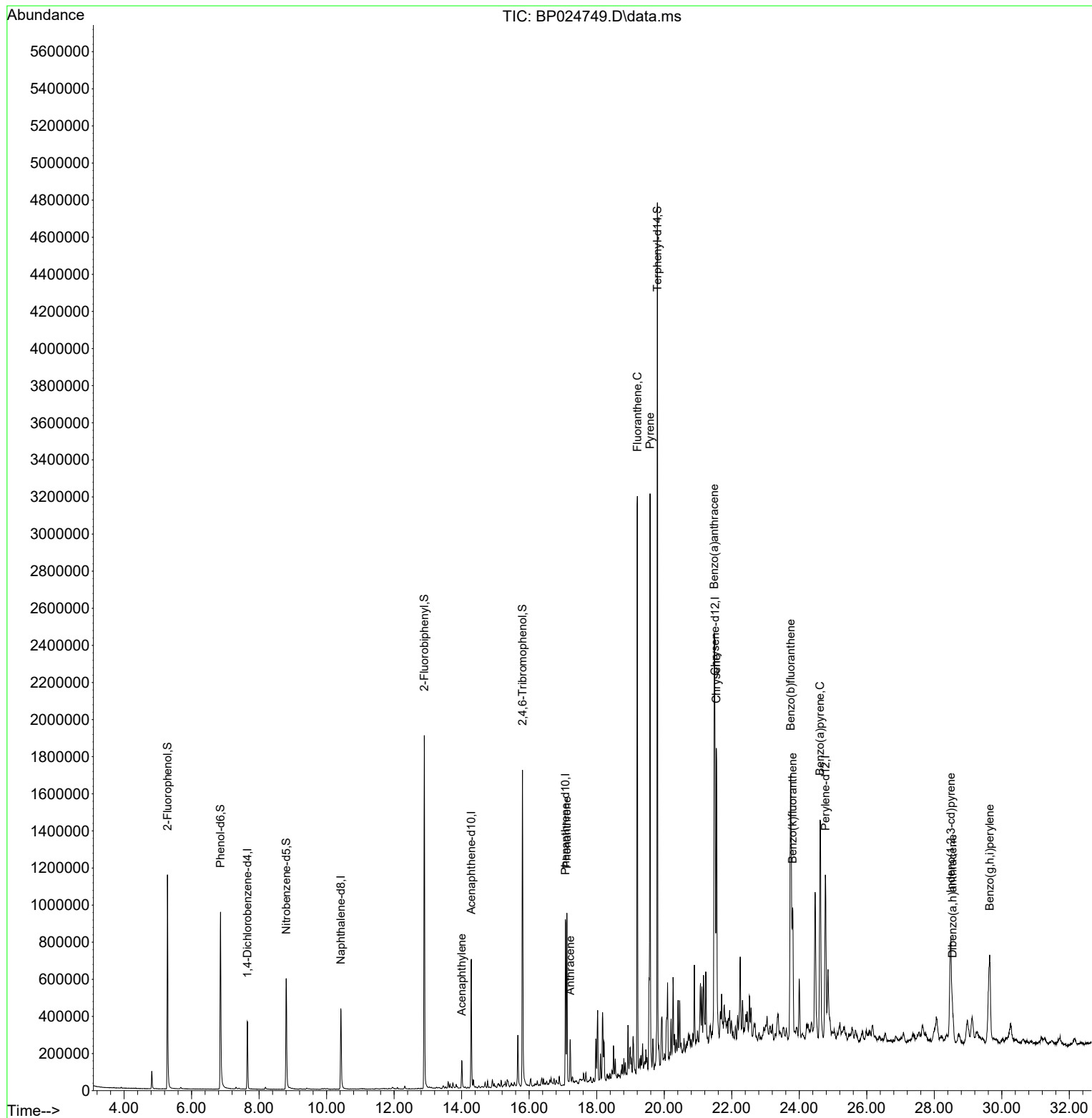
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	102915	20.000	ng	0.00
21) Naphthalene-d8	10.422	136	411608	20.000	ng	#-0.01
39) Acenaphthene-d10	14.286	164	257018	20.000	ng	-0.02
64) Phenanthrene-d10	17.074	188	530554	20.000	ng	-0.02
76) Chrysene-d12	21.504	240	721785	20.000	ng	-0.02
86) Perylene-d12	24.774	264	917582	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	507978	84.422	ng	0.00
7) Phenol-d6	6.857	99	619968	80.730	ng	0.00
23) Nitrobenzene-d5	8.804	82	384168	47.158	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	423866	97.280	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	1002924	51.123	ng	-0.01
79) Terphenyl-d14	19.798	244	1947537	46.266	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.004	152	117828	4.861	ng	98
71) Phenanthrene	17.116	178	552496	18.732	ng	99
72) Anthracene	17.216	178	171592	5.782	ng	99
75) Fluoranthene	19.204	202	1861974	54.007	ng	98
78) Pyrene	19.580	202	1908596	44.132	ng	100
81) Benzo(a)anthracene	21.480	228	1292586	28.520	ng	97
83) Chrysene	21.545	228	1137860	26.485	ng	97
87) Indeno(1,2,3-cd)pyrene	28.491	276	934555	13.951	ng	# 91
88) Benzo(b)fluoranthene	23.745	252	1697082	32.312	ng	98
89) Benzo(k)fluoranthene	23.803	252	624943m	11.547	ng	
90) Benzo(a)pyrene	24.615	252	1261262	25.004	ng	98
91) Dibenzo(a,h)anthracene	28.539	278	249870	4.585	ng	# 91
92) Benzo(g,h,i)perylene	29.638	276	902412	16.651	ng	98

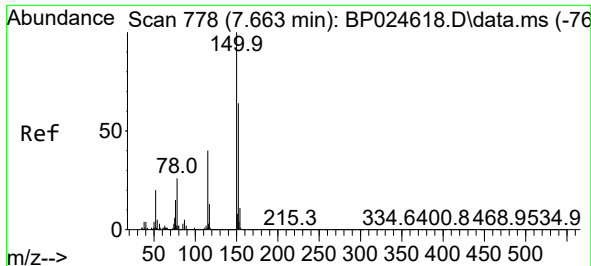
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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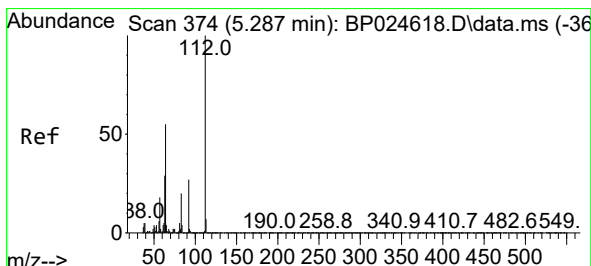
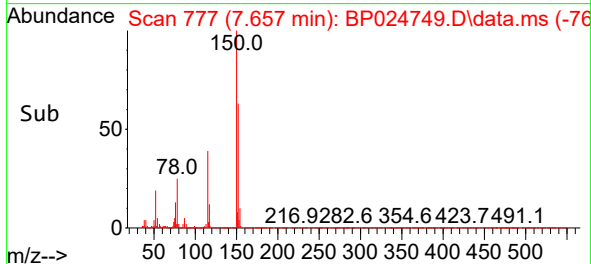
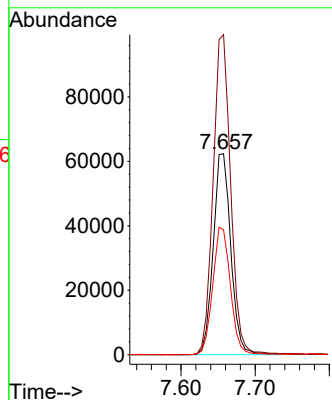
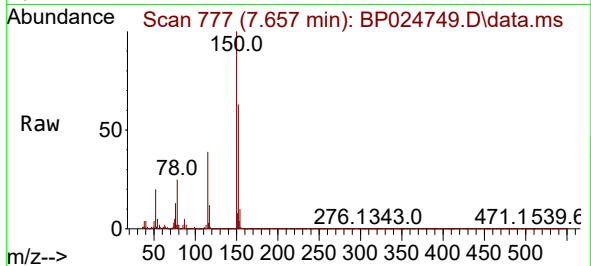




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

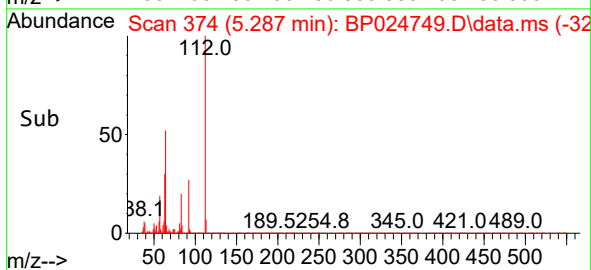
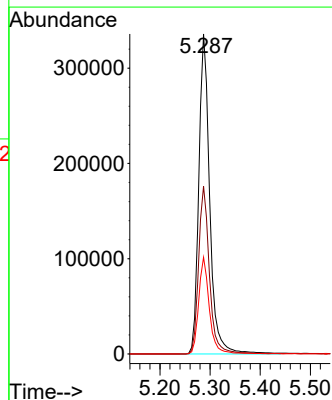
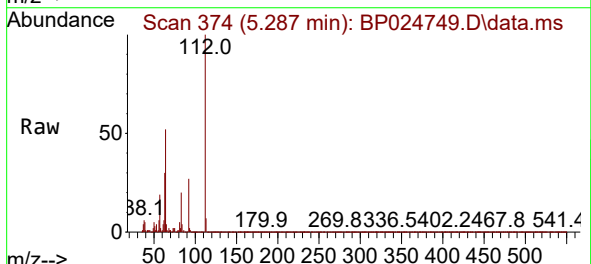
Instrument :
BNA_P
ClientSampleId :
OR-640-COMP-66

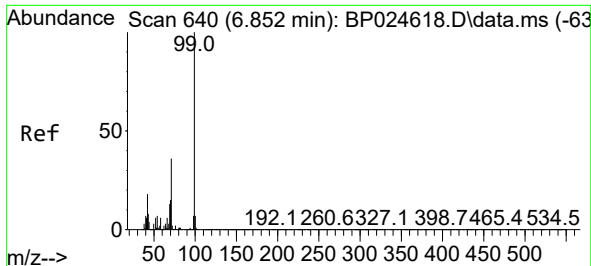
Tgt Ion:152 Resp: 102915
Ion Ratio Lower Upper
152 100
150 159.2 125.9 188.9
115 62.1 50.1 75.1



#5
2-Fluorophenol
Concen: 84.422 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion:112 Resp: 507978
Ion Ratio Lower Upper
112 100
64 52.5 44.1 66.1
63 30.2 23.5 35.3

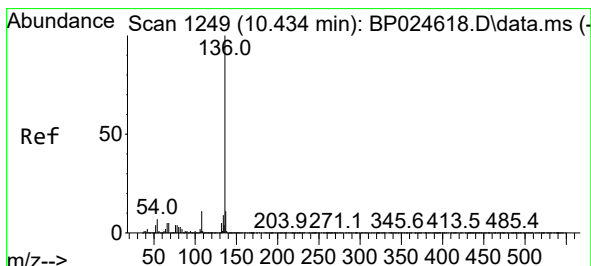
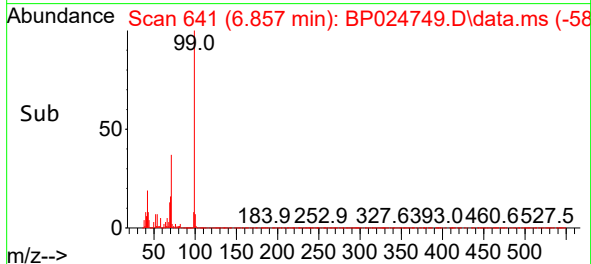
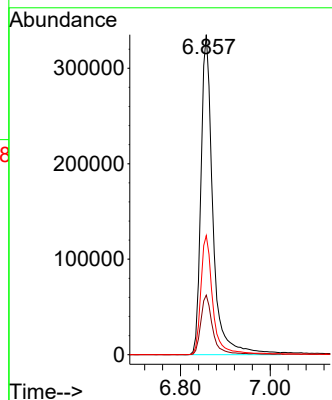
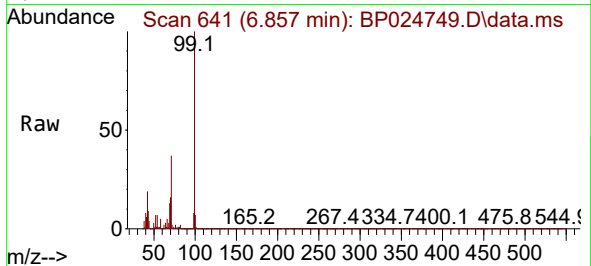




#7
Phenol-d6
Concen: 80.730 ng
RT: 6.857 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

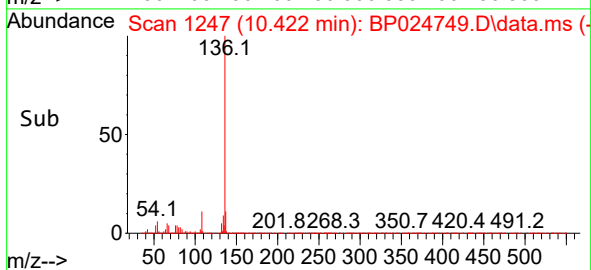
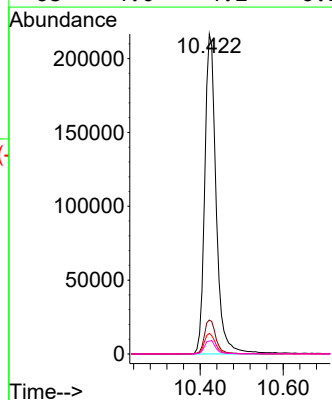
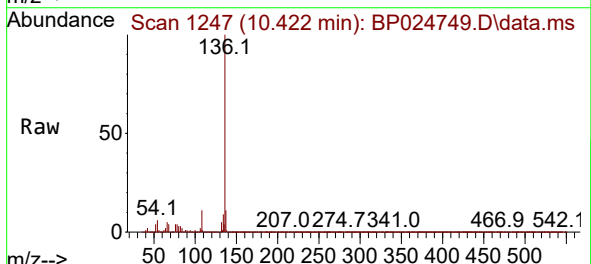
Instrument :
BNA_P
ClientSampleId :
OR-640-COMP-66

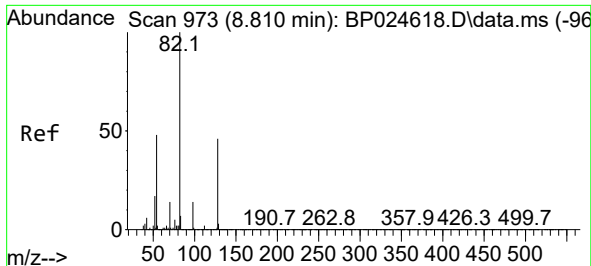
Tgt Ion: 99 Resp: 619968
Ion Ratio Lower Upper
99 100
42 18.6 14.4 21.6
71 37.2 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion: 136 Resp: 411608
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.5 5.5 8.3
68 4.0 4.2 6.2#

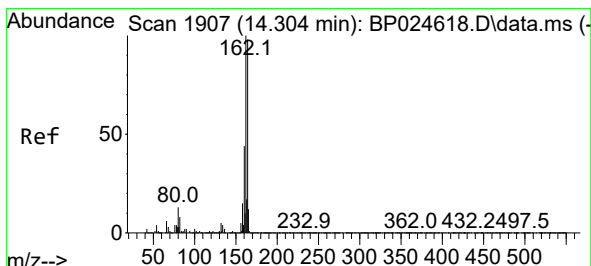
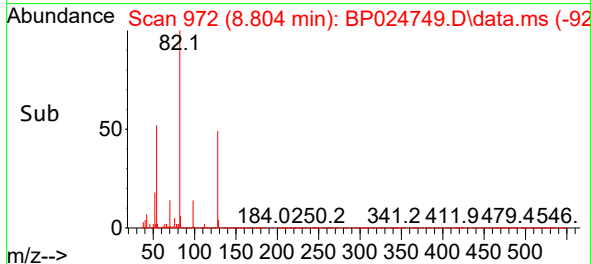
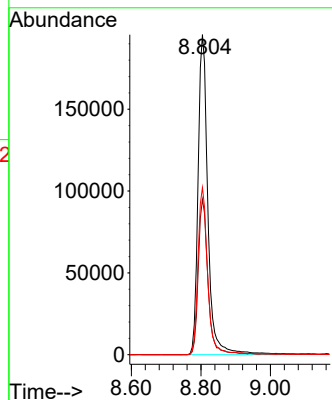
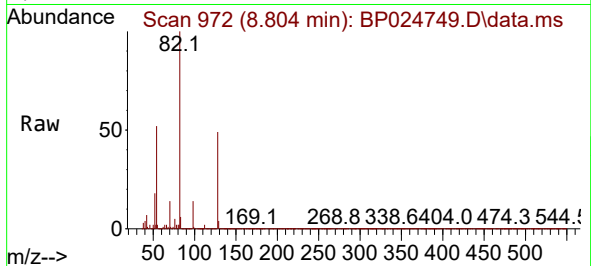




#23
Nitrobenzene-d5
Concen: 47.158 ng
RT: 8.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

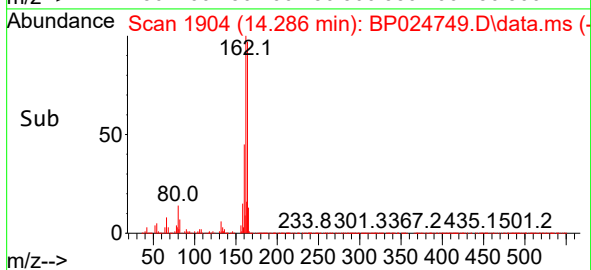
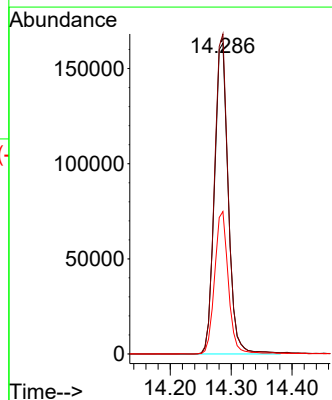
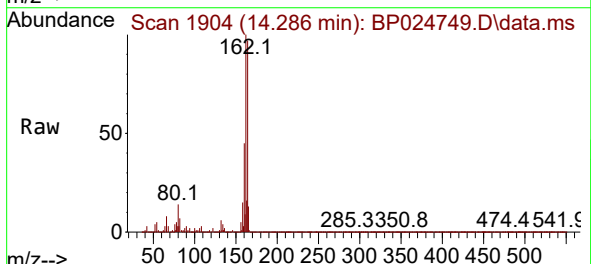
Instrument :
BNA_P
ClientSampleId :
OR-640-COMP-66

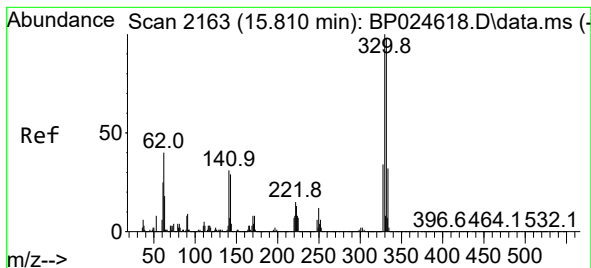
Tgt Ion: 82 Resp: 384168
Ion Ratio Lower Upper
82 100
128 48.6 37.0 55.4
54 52.3 38.7 58.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion:164 Resp: 257018
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 45.8 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 97.280 ng

RT: 15.804 min Scan# 2163

Delta R.T. -0.006 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

Instrument :

BNA_P

ClientSampleId :

OR-640-COMP-66

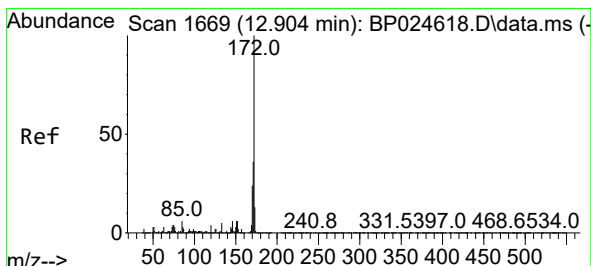
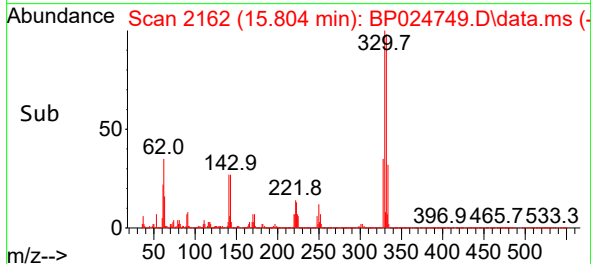
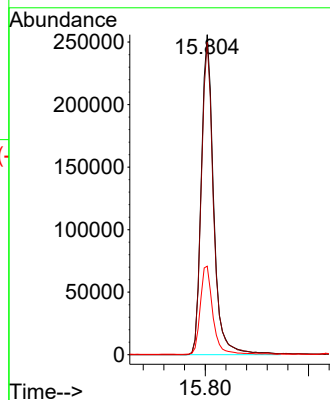
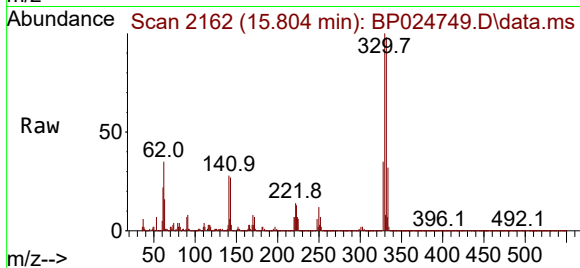
Tgt Ion:330 Resp: 423866

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.4

141 28.0 24.3 36.5



#45

2-Fluorobiphenyl

Concen: 51.123 ng

RT: 12.892 min Scan# 1667

Delta R.T. -0.012 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

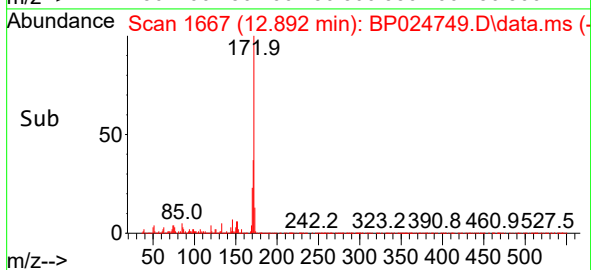
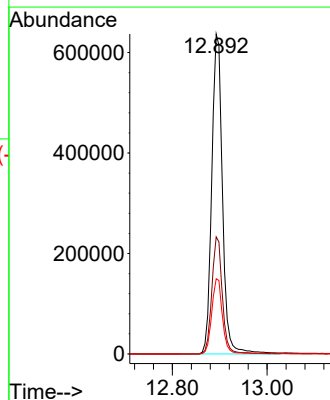
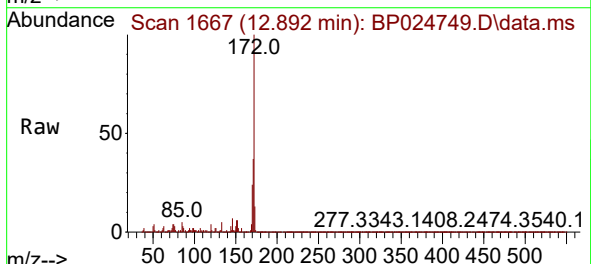
Tgt Ion:172 Resp: 1002924

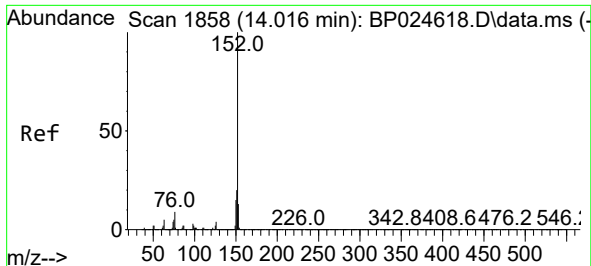
Ion Ratio Lower Upper

172 100

171 36.6 28.8 43.2

170 23.5 18.8 28.2

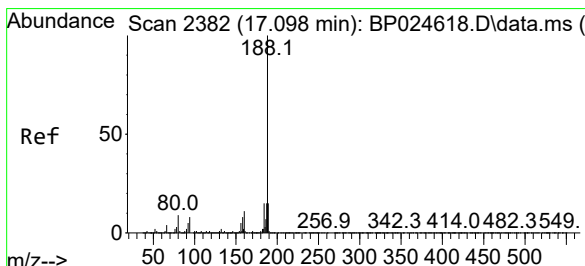
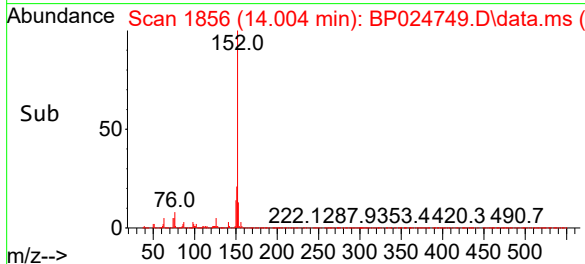
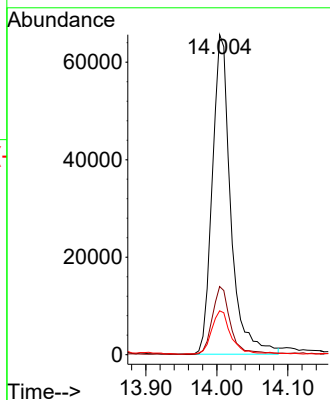
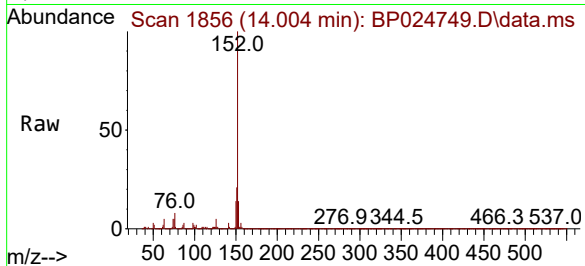




#49
Acenaphthylene
Concen: 4.861 ng
RT: 14.004 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

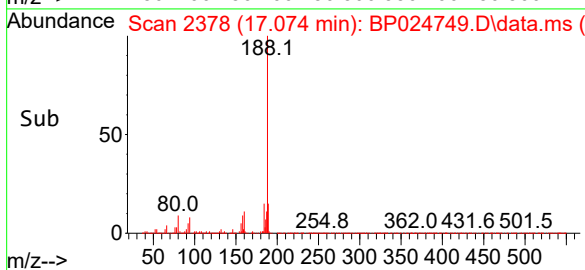
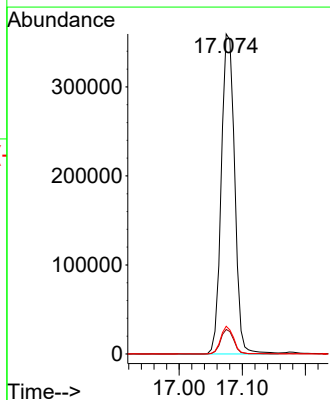
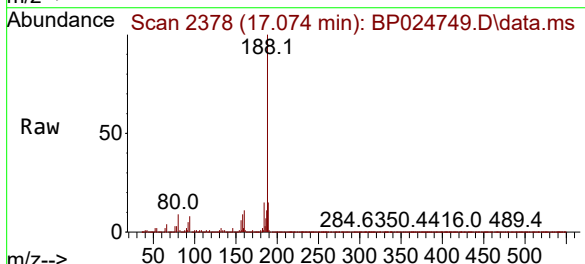
Instrument :
BNA_P
ClientSampleId :
OR-640-COMP-66

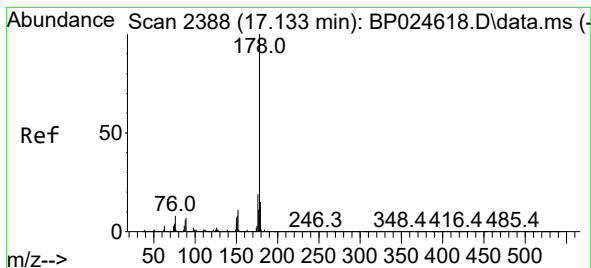
Tgt Ion:152 Resp: 117828
Ion Ratio Lower Upper
152 100
151 21.3 16.2 24.4
153 13.7 10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.074 min Scan# 2378
Delta R.T. -0.024 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion:188 Resp: 530554
Ion Ratio Lower Upper
188 100
94 7.7 6.5 9.7
80 8.6 7.3 10.9





#71

Phenanthrene

Concen: 18.732 ng

RT: 17.116 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

Instrument :

BNA_P

ClientSampleId :

OR-640-COMP-66

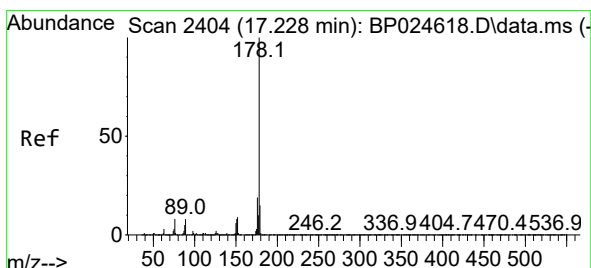
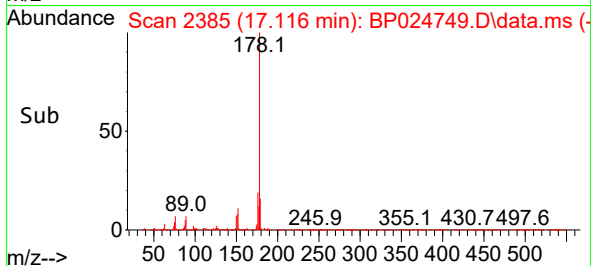
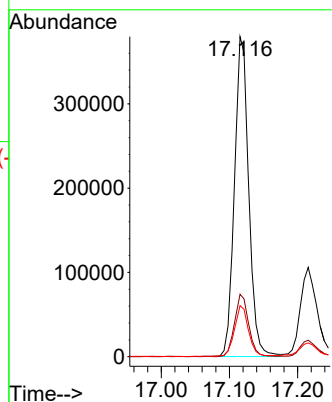
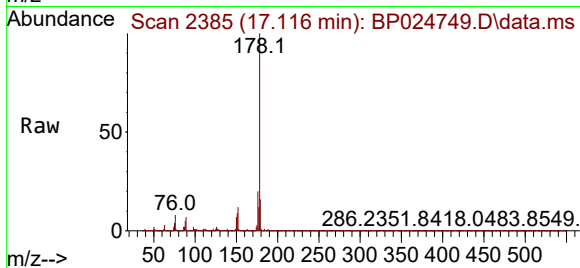
Tgt Ion:178 Resp: 552496

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.9 12.2 18.4



#72

Anthracene

Concen: 5.782 ng

RT: 17.216 min Scan# 2402

Delta R.T. -0.012 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

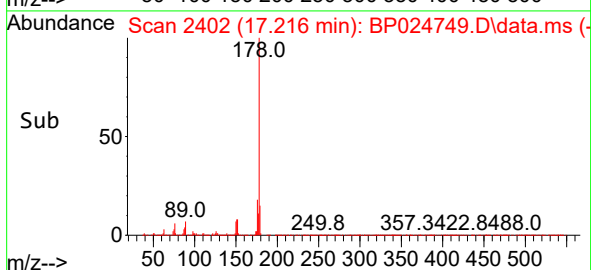
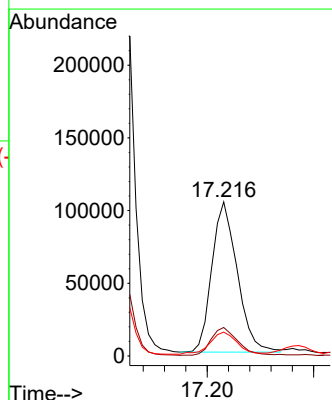
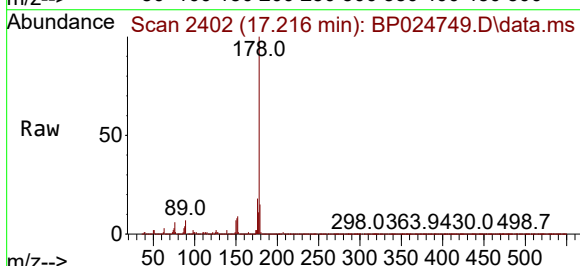
Tgt Ion:178 Resp: 171592

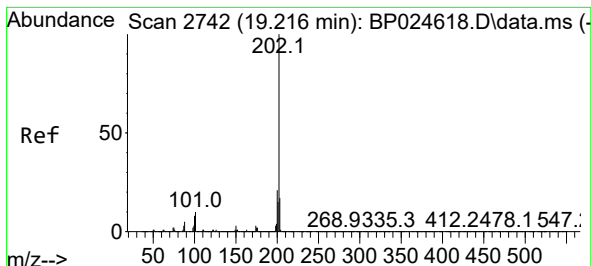
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.5 12.2 18.2

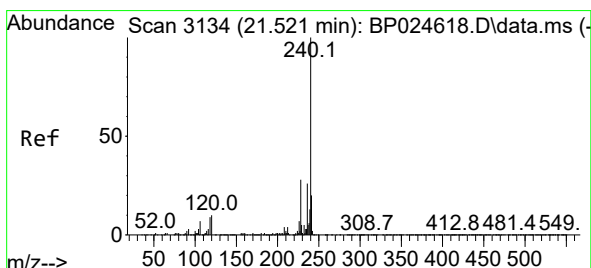
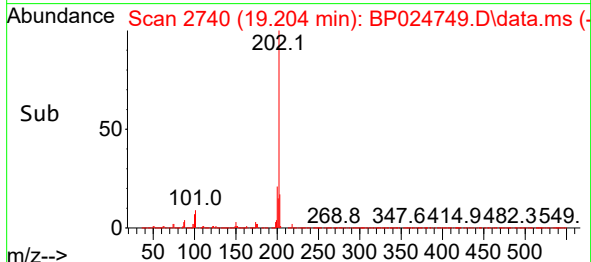
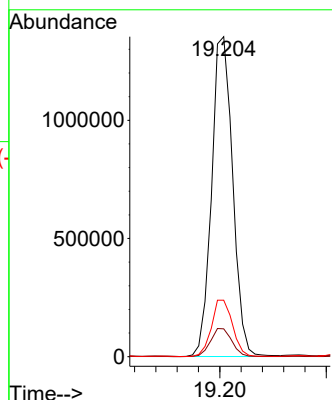
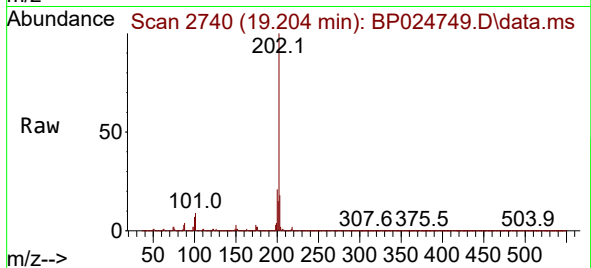




#75
Fluoranthene
Concen: 54.007 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

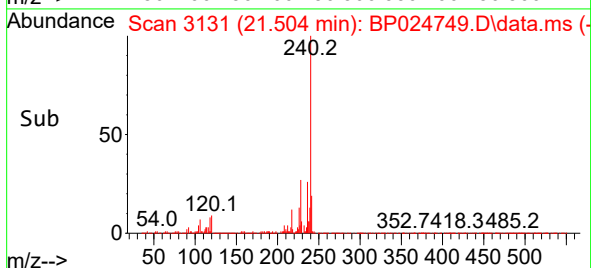
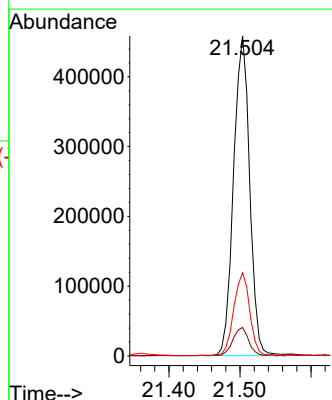
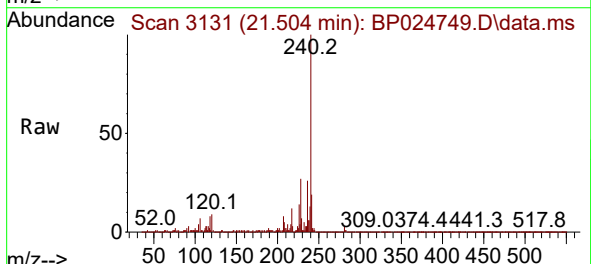
Instrument :
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OR-640-COMP-66

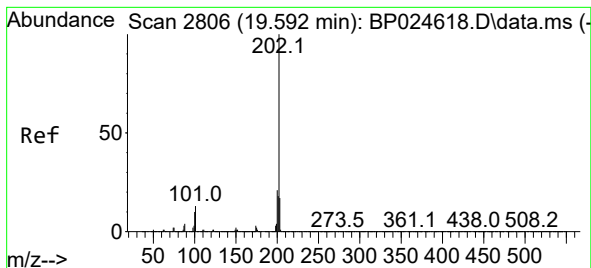
Tgt Ion:202 Resp: 1861974
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.3
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 3131
Delta R.T. -0.018 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion:240 Resp: 721785
Ion Ratio Lower Upper
240 100
120 8.9 7.8 11.6
236 26.0 20.6 31.0





#78

Pyrene

Concen: 44.132 ng

RT: 19.580 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

Instrument :

BNA_P

ClientSampleId :

OR-640-COMP-66

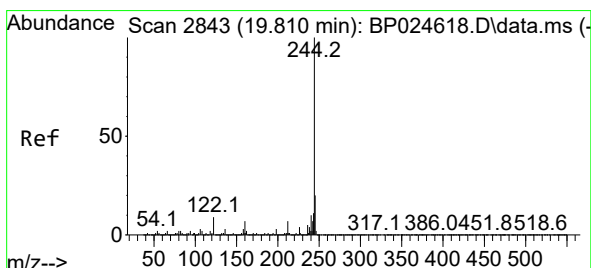
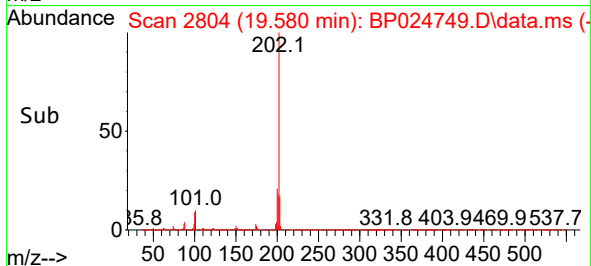
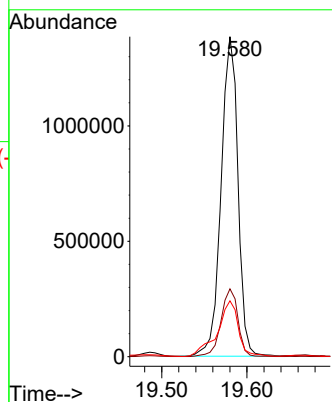
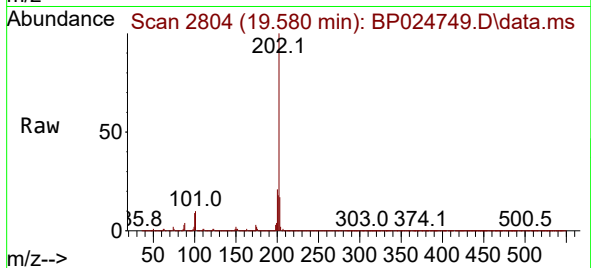
Tgt Ion:202 Resp: 1908596

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.5 13.9 20.9



#79

Terphenyl-d14

Concen: 46.266 ng

RT: 19.798 min Scan# 2841

Delta R.T. -0.012 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

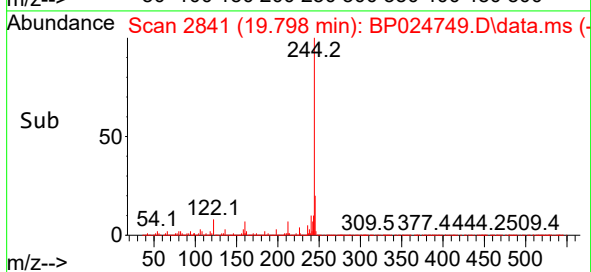
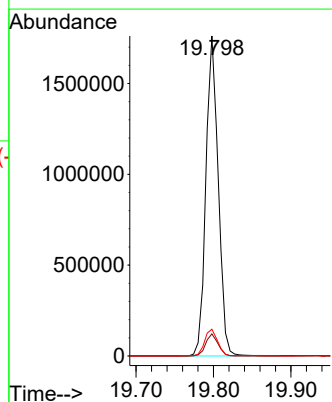
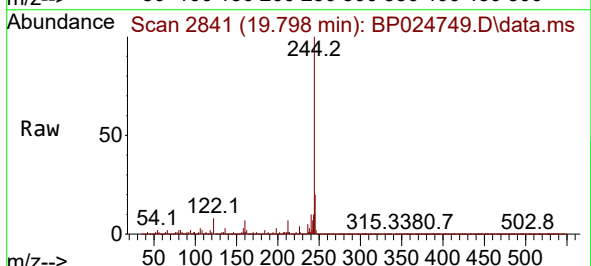
Tgt Ion:244 Resp: 1947537

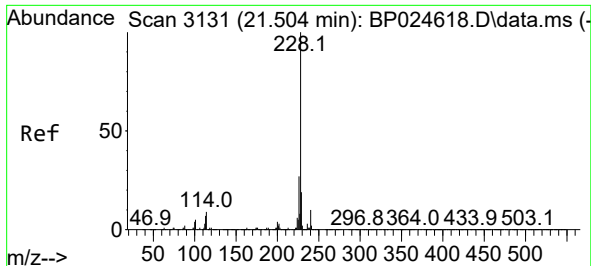
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 8.4 7.4 11.0

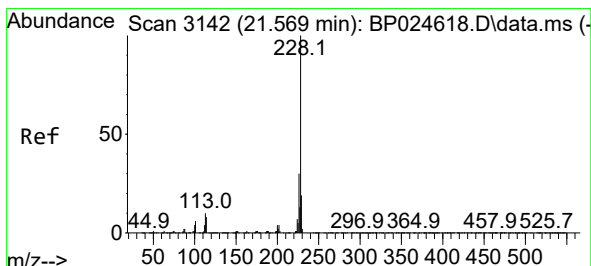
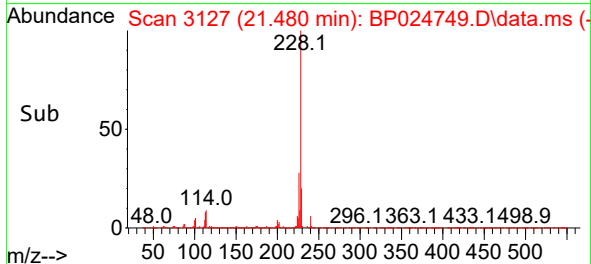
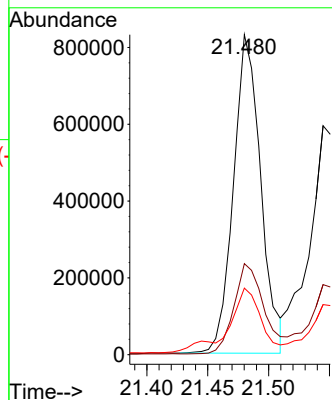
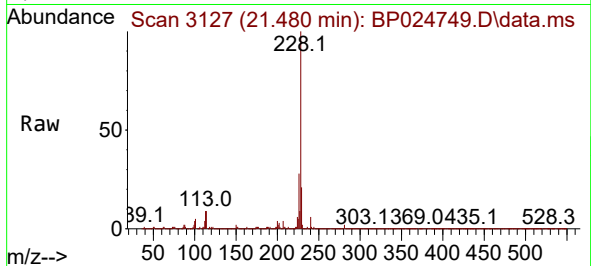




#81
Benzo(a)anthracene
Concen: 28.520 ng
RT: 21.480 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

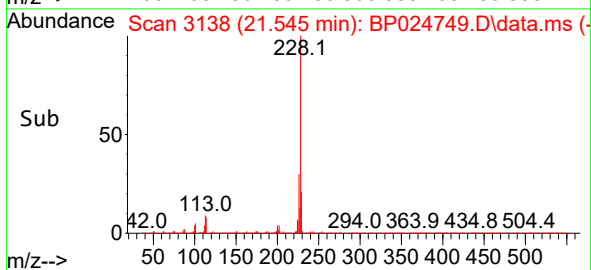
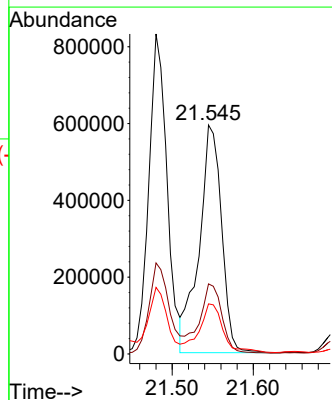
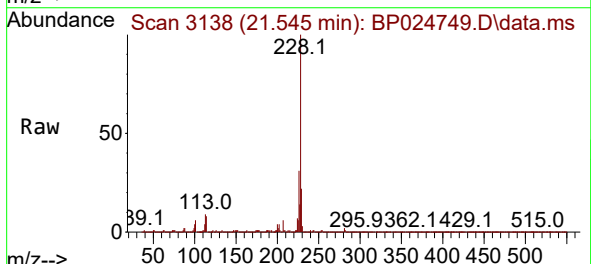
Instrument :
BNA_P
ClientSampleId :
OR-640-COMP-66

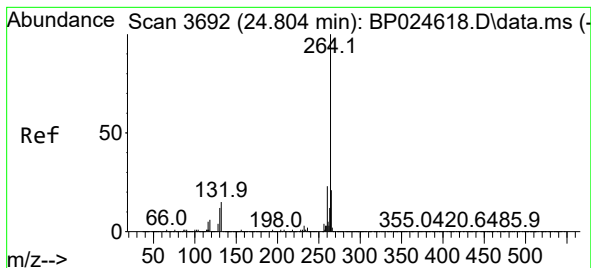
Tgt Ion:228 Resp: 1292586
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.0
229 20.8 15.5 23.3



#83
Chrysene
Concen: 26.485 ng
RT: 21.545 min Scan# 3138
Delta R.T. -0.024 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion:228 Resp: 1137860
Ion Ratio Lower Upper
228 100
226 30.6 23.9 35.9
229 21.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.774 min Scan# 3

Delta R.T. -0.030 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

Instrument :

BNA_P

ClientSampleId :

OR-640-COMP-66

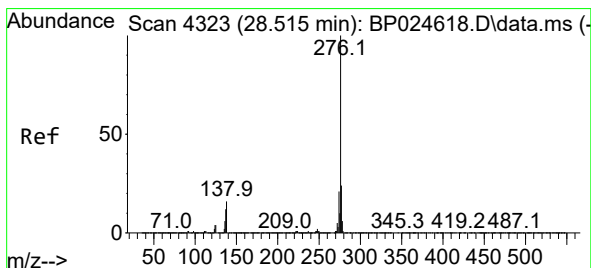
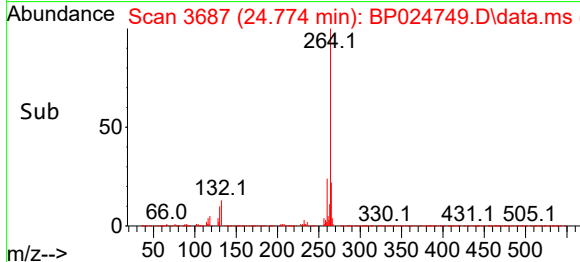
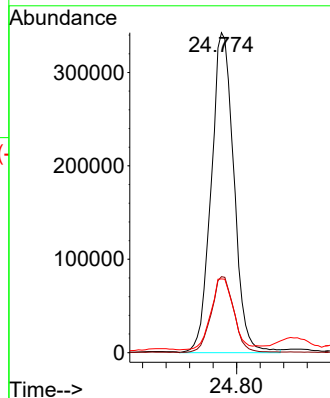
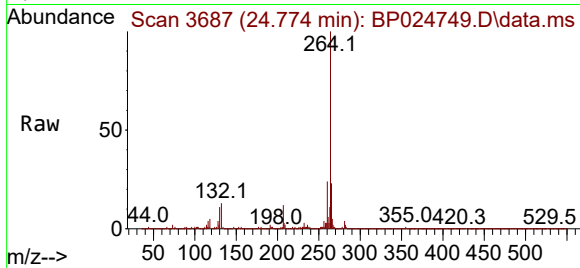
Tgt Ion:264 Resp: 917582

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 23.0 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.951 ng

RT: 28.491 min Scan# 4319

Delta R.T. -0.024 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

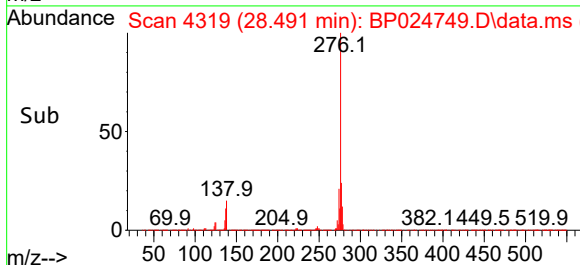
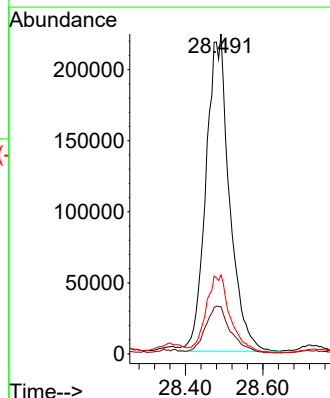
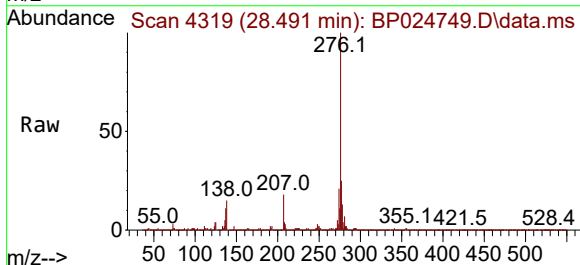
Tgt Ion:276 Resp: 934555

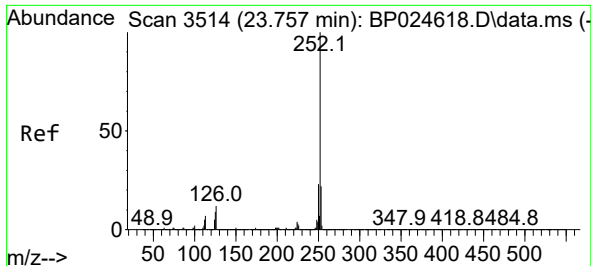
Ion Ratio Lower Upper

276 100

138 16.0 11.2 16.8

277 25.0 15.7 23.5#

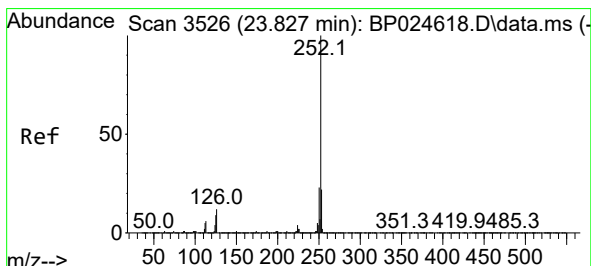
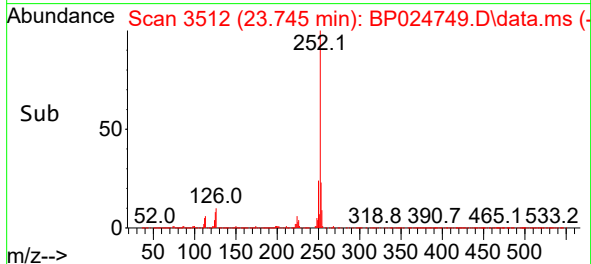
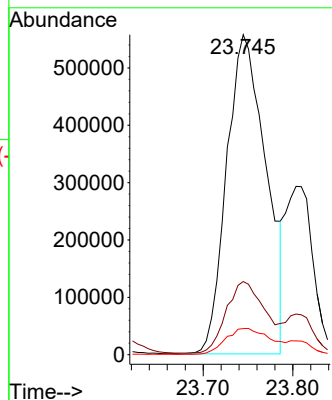
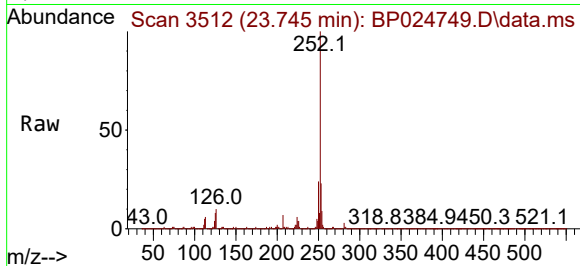




#88
Benzo(b)fluoranthene
Concen: 32.312 ng
RT: 23.745 min Scan# 3512
Delta R.T. -0.012 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

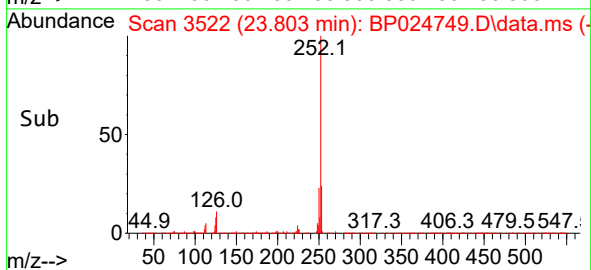
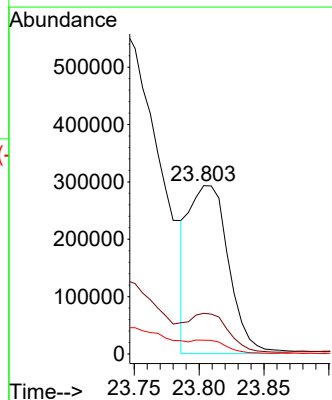
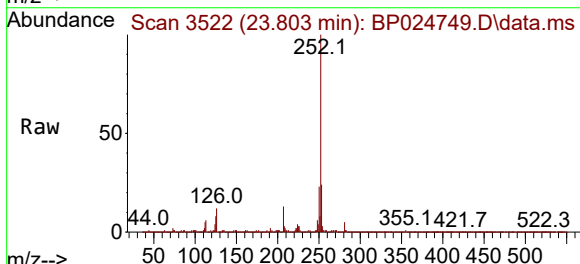
Instrument :
BNA_P
ClientSampleId :
OR-640-COMP-66

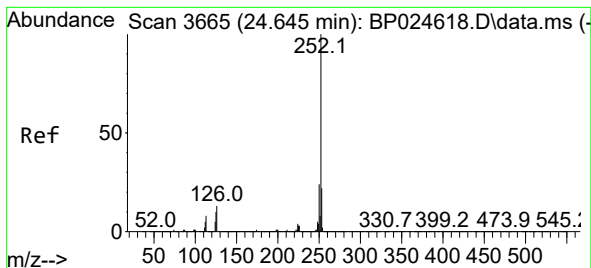
Tgt Ion:252 Resp: 1697082
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 8.2 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 11.547 ng m
RT: 23.803 min Scan# 3522
Delta R.T. -0.024 min
Lab File: BP024749.D
Acq: 21 May 2025 22:59

Tgt Ion:252 Resp: 624943
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 8.2 7.0 10.4





#90

Benzo(a)pyrene

Concen: 25.004 ng

RT: 24.615 min Scan# 3

Delta R.T. -0.030 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

Instrument :

BNA_P

ClientSampleId :

OR-640-COMP-66

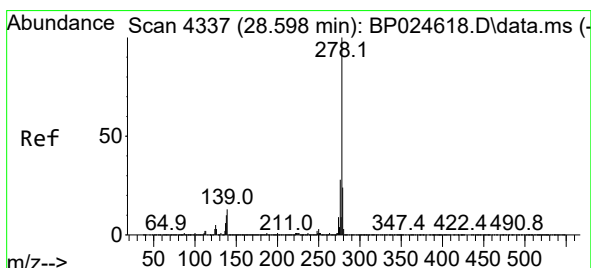
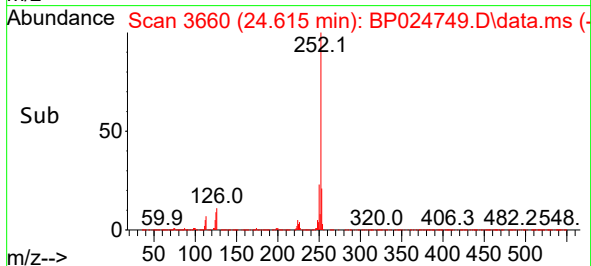
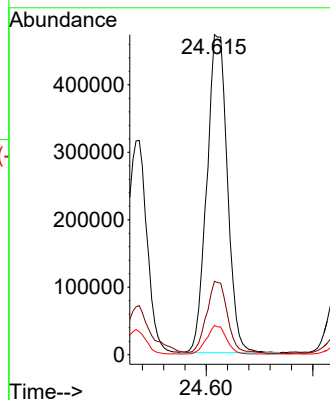
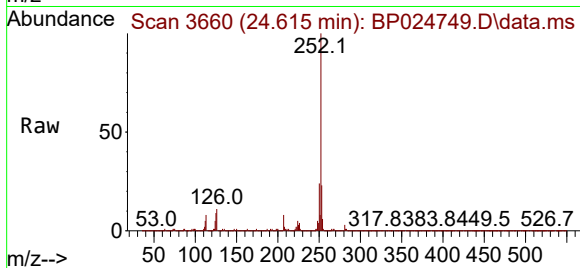
Tgt Ion:252 Resp: 1261262

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 9.2 8.1 12.1



#91

Dibenzo(a,h)anthracene

Concen: 4.585 ng

RT: 28.539 min Scan# 4327

Delta R.T. -0.059 min

Lab File: BP024749.D

Acq: 21 May 2025 22:59

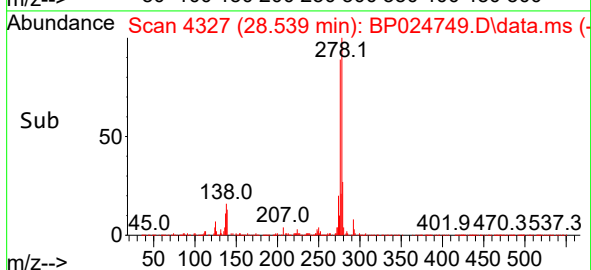
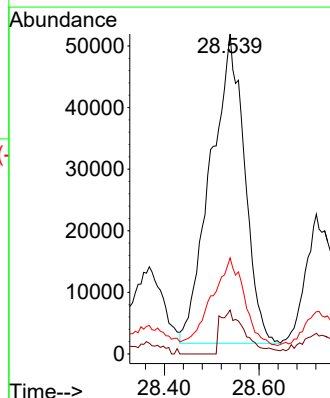
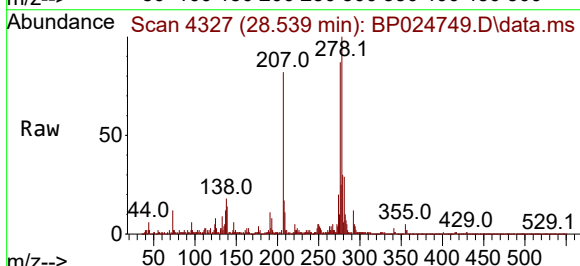
Tgt Ion:278 Resp: 249870

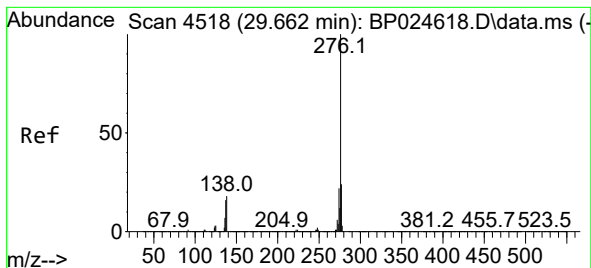
Ion Ratio Lower Upper

278 100

139 13.7 10.2 15.4

279 30.0 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 16.651 ng

RT: 29.638 min Scan# 4514

Delta R.T. -0.024 min

Lab File: BP024749.D

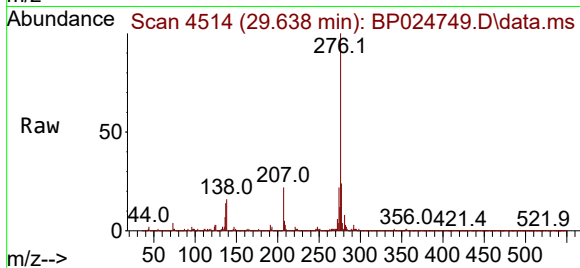
Acq: 21 May 2025 22:59

Instrument :

BNA_P

ClientSampleId :

OR-640-COMP-66



Tgt Ion:276 Resp: 902412

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 15.7 14.4 21.6

