

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
 Data File : BP024240.D
 Acq On : 09 Apr 2025 18:22
 Operator : RC/JU
 Sample : Q1746-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-149-SB01

Quant Time: Apr 10 01:00:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 05:55:58 2025
 Response via : Initial Calibration

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

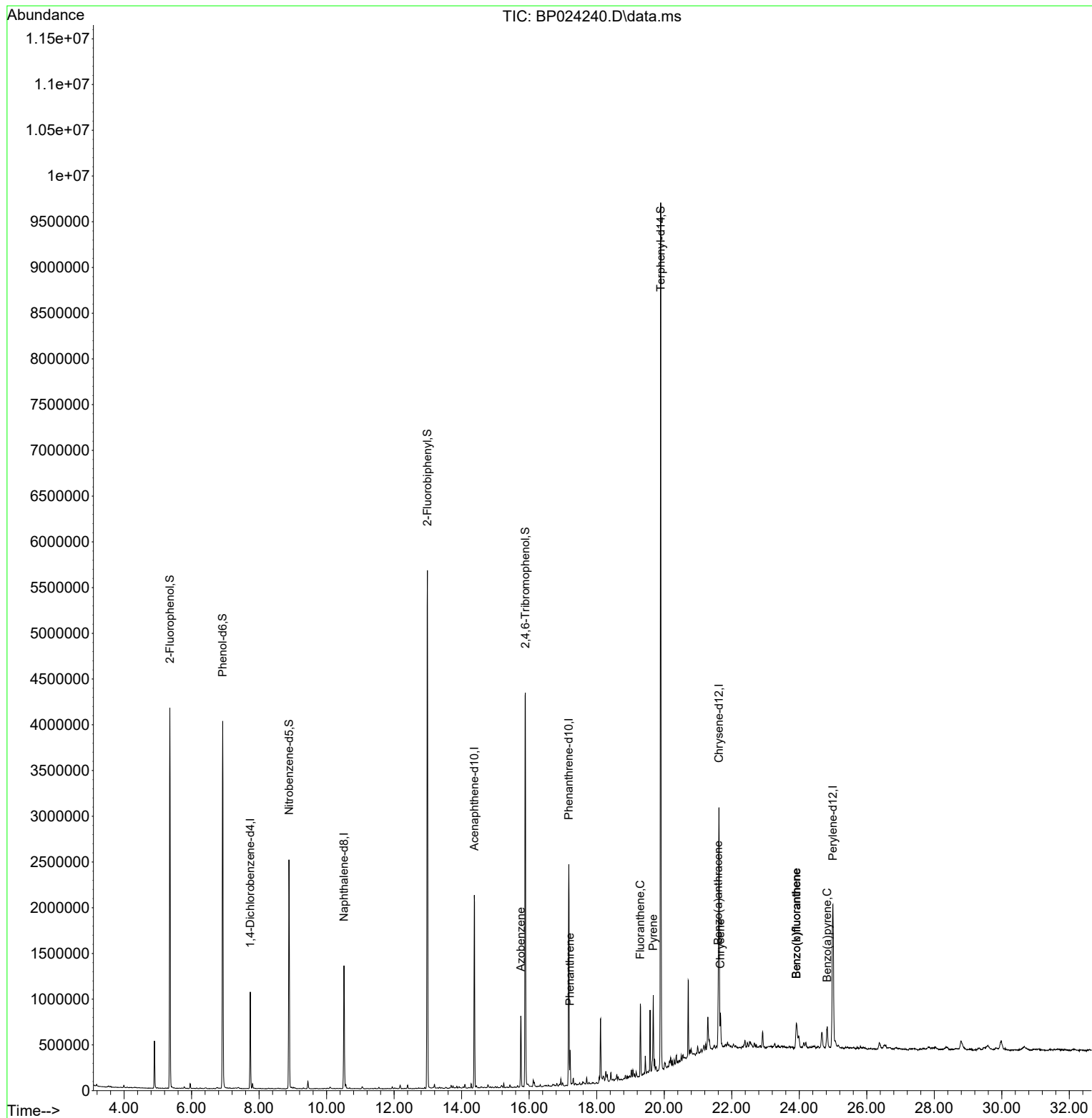
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	273538	20.000	ng	-0.03
21) Naphthalene-d8	10.516	136	1106820	20.000	ng	-0.04
39) Acenaphthene-d10	14.375	164	675246	20.000	ng	-0.03
64) Phenanthrene-d10	17.175	188	1351996	20.000	ng	-0.03
76) Chrysene-d12	21.621	240	1469545	20.000	ng	-0.04
86) Perylene-d12	24.992	264	1665459	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1830629	106.830	ng	-0.02
7) Phenol-d6	6.922	99	2412488	105.279	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1436557	73.230	ng	-0.04
42) 2,4,6-Tribromophenol	15.886	330	875242	102.902	ng	-0.03
45) 2-Fluorobiphenyl	12.987	172	3002639	65.568	ng	-0.03
79) Terphenyl-d14	19.898	244	4475088	62.860	ng	-0.02
Target Compounds						
						Qvalue
63) Azobenzene	15.751	77	229229	5.169	ng	# 1
71) Phenanthrene	17.210	178	214910	2.910	ng	99
75) Fluoranthene	19.292	202	460658	5.385	ng	98
78) Pyrene	19.675	202	469635	5.140	ng	99
81) Benzo(a)anthracene	21.598	228	255473	2.796	ng	97
83) Chrysene	21.663	228	273819	3.118	ng	98
88) Benzo(b)fluoranthene	23.915	252	347008	3.456	ng	# 96
89) Benzo(k)fluoranthene	23.915	252	347008	3.533	ng	98
90) Benzo(a)pyrene	24.827	252	236671	2.710	ng	# 96

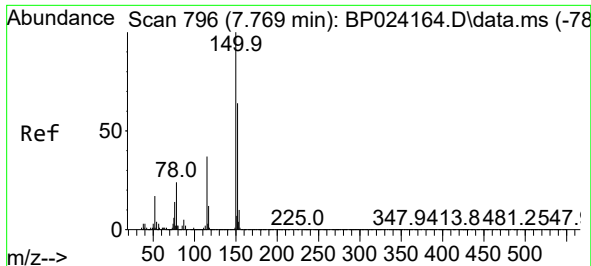
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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BNA_P
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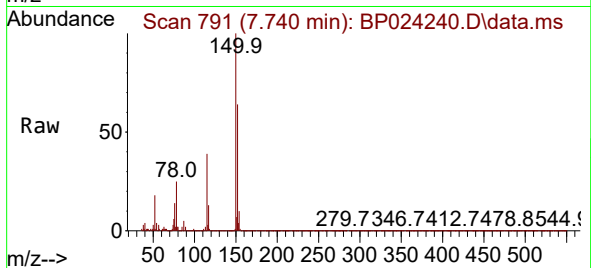
Quant Time: Apr 10 01:00:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
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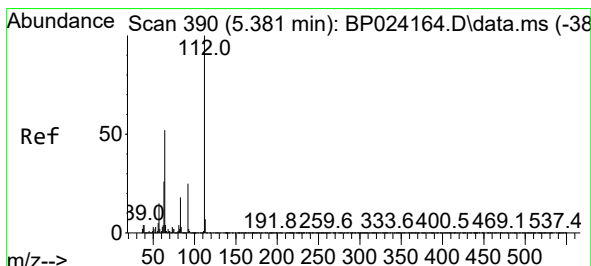
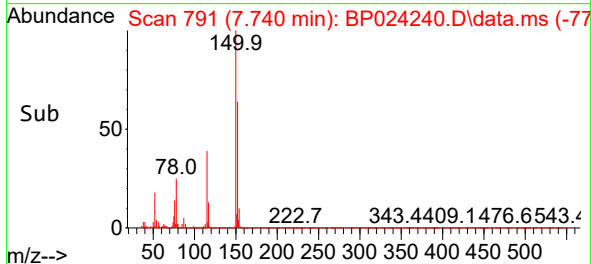
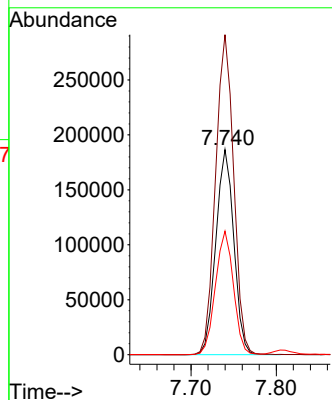


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Instrument :
BNA_P
ClientSampleId :
B-149-SB01

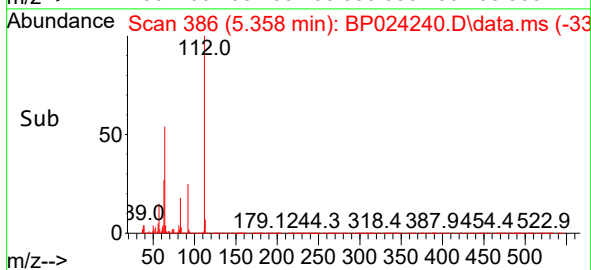
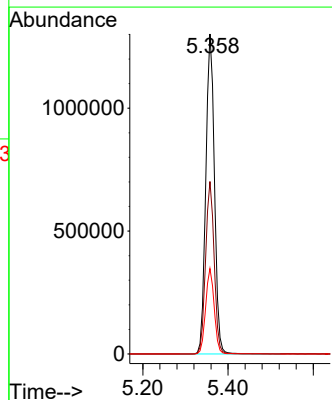
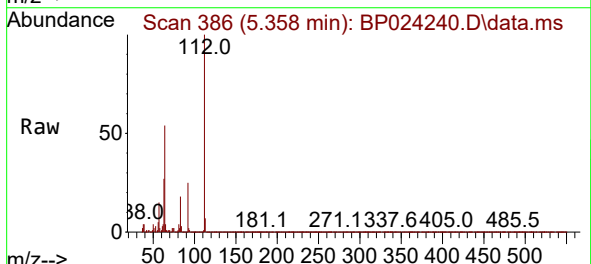


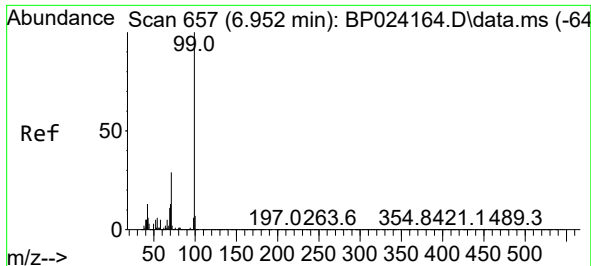
Tgt Ion:152 Resp: 273538
Ion Ratio Lower Upper
152 100
150 156.0 125.5 188.3
115 60.3 46.3 69.5



#5
2-Fluorophenol
Concen: 106.830 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:112 Resp: 1830629
Ion Ratio Lower Upper
112 100
64 53.9 41.3 61.9
63 26.7 20.6 31.0

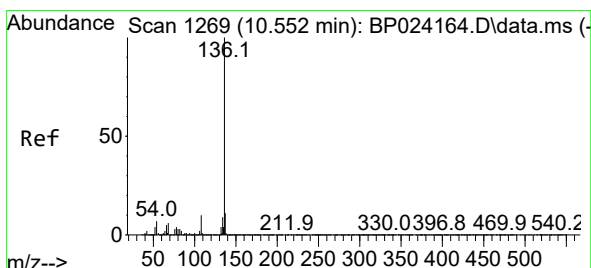
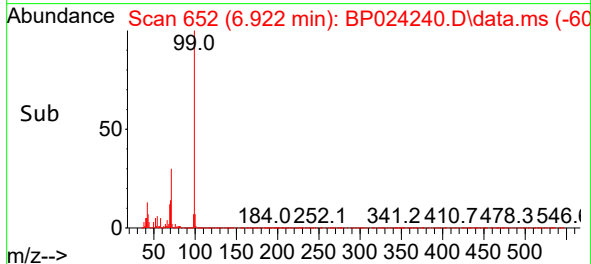
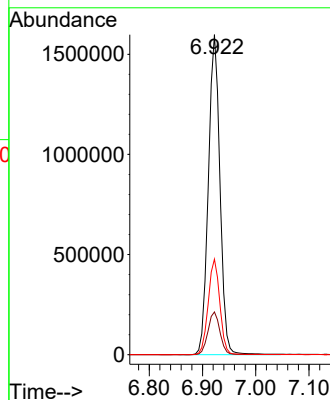
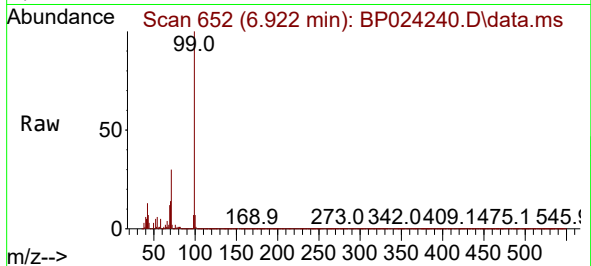




#7
Phenol-d6
Concen: 105.279 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.030 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

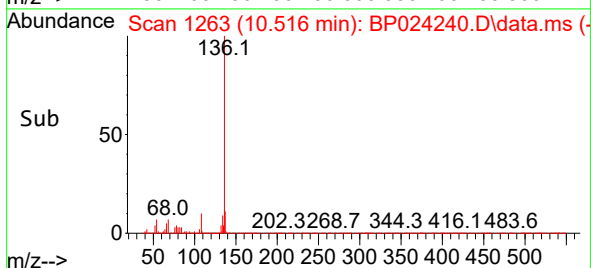
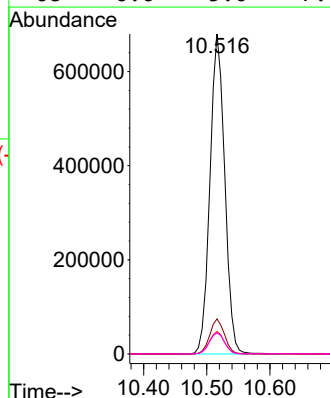
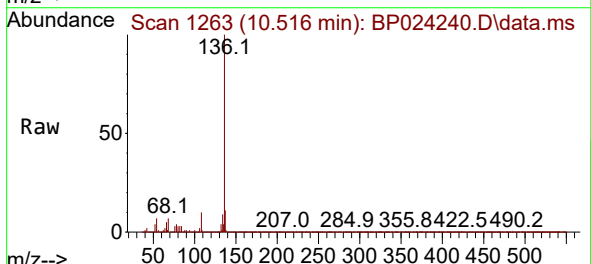
Instrument :
BNA_P
ClientSampleId :
B-149-SB01

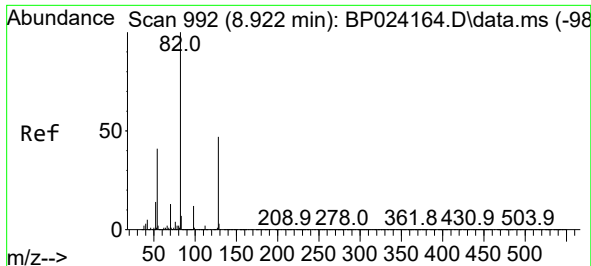
Tgt Ion: 99 Resp: 2412488
Ion Ratio Lower Upper
99 100
42 13.3 10.6 16.0
71 29.8 23.3 34.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:136 Resp: 1106820
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 7.0 5.3 7.9
68 6.6 5.0 7.4

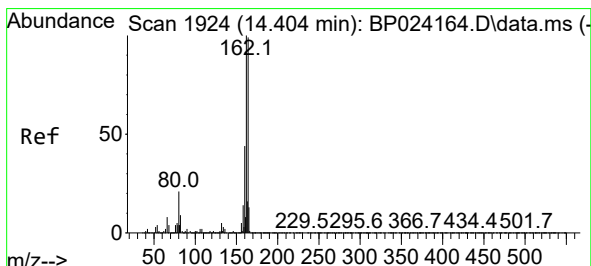
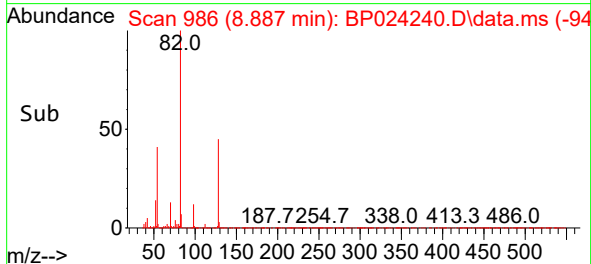
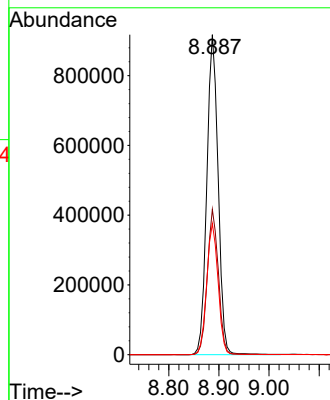
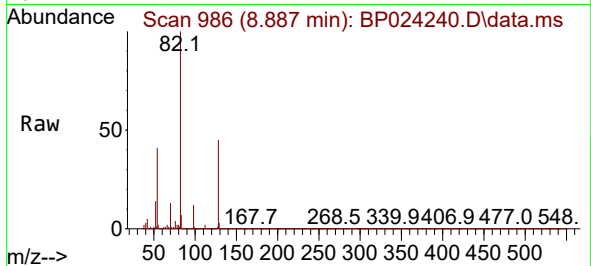




#23
Nitrobenzene-d5
Concen: 73.230 ng
RT: 8.887 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

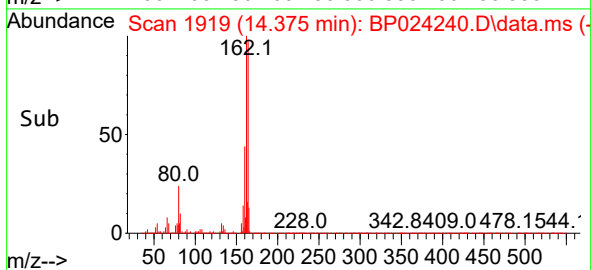
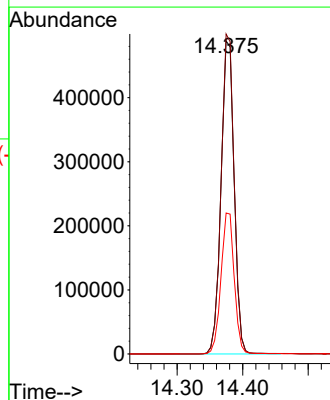
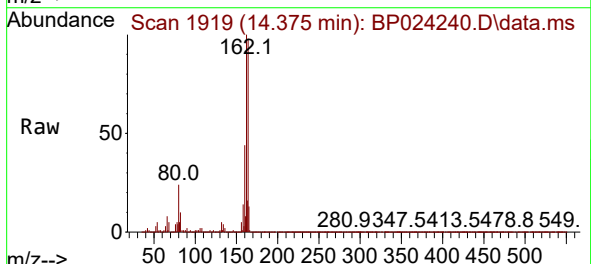
Instrument :
BNA_P
ClientSampleId :
B-149-SB01

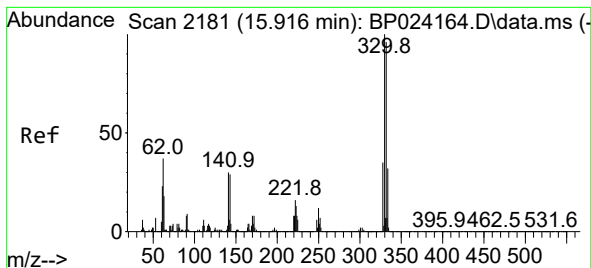
Tgt Ion: 82 Resp: 1436557
Ion Ratio Lower Upper
82 100
128 45.4 37.4 56.0
54 40.9 32.5 48.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.030 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:164 Resp: 675246
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 45.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 102.902 ng

RT: 15.886 min Scan# 2181

Delta R.T. -0.030 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

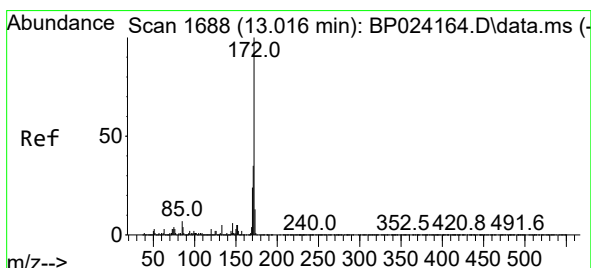
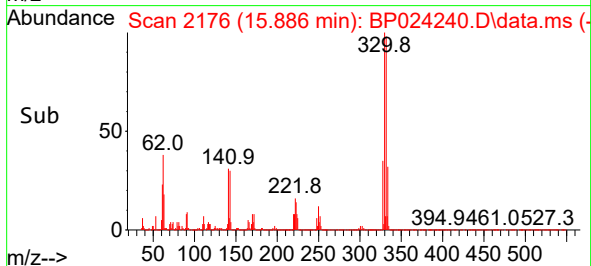
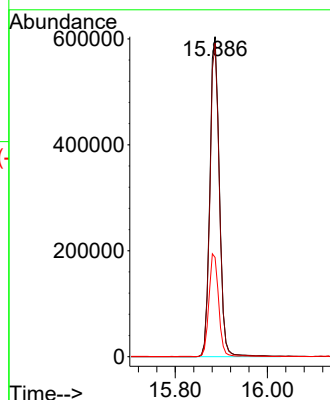
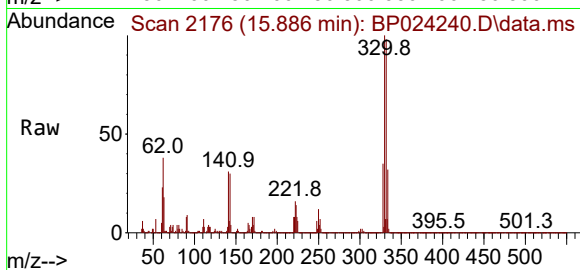
Tgt Ion:330 Resp: 875242

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 32.3 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 65.568 ng

RT: 12.987 min Scan# 1683

Delta R.T. -0.030 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

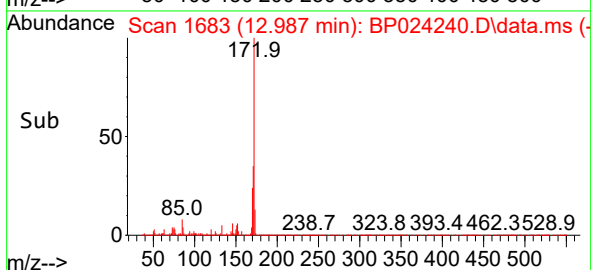
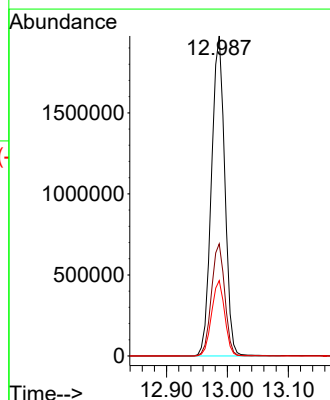
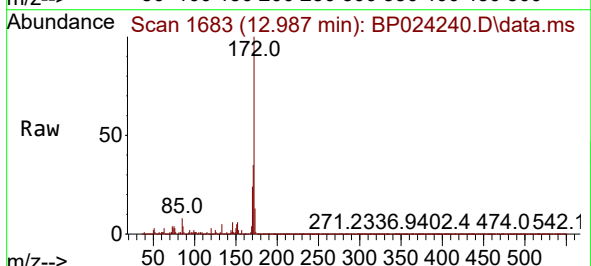
Tgt Ion:172 Resp: 3002639

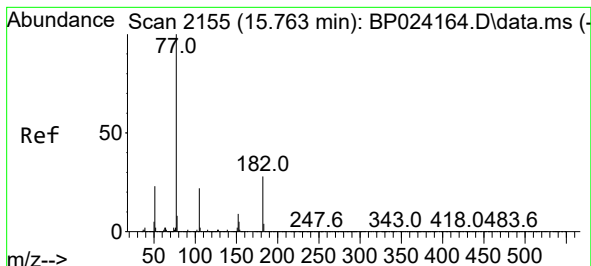
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.6 19.0 28.4





#63

Azobenzene

Concen: 5.169 ng

RT: 15.751 min Scan# 2155

Delta R.T. -0.012 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

Tgt Ion: 77 Resp: 229229

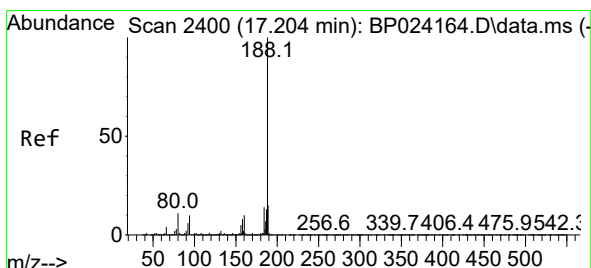
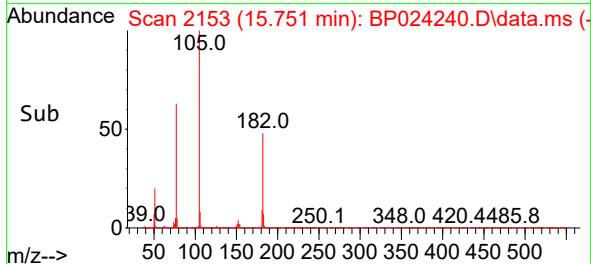
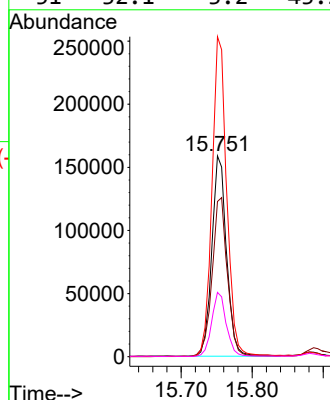
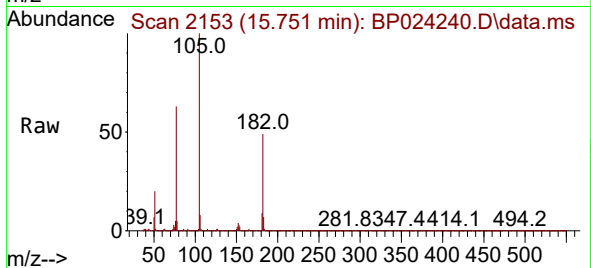
Ion Ratio Lower Upper

77 100

182 77.3 7.7 47.7#

105 159.4 2.3 42.3#

51 32.1 3.2 43.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.175 min Scan# 2395

Delta R.T. -0.030 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

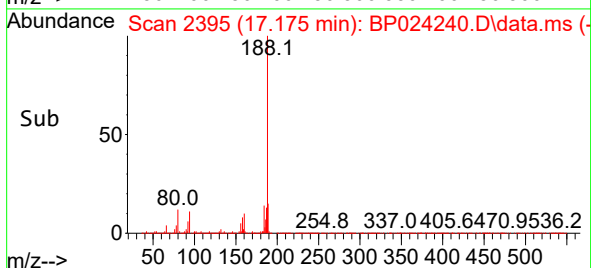
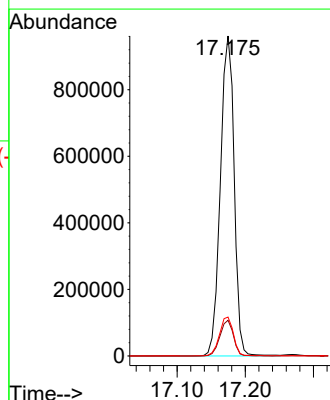
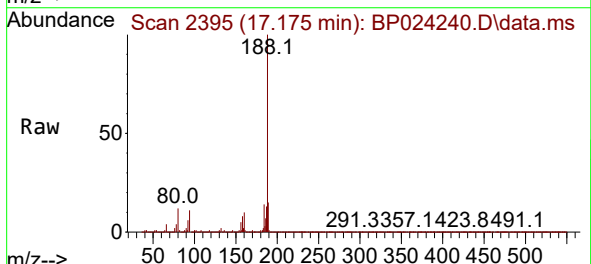
Tgt Ion:188 Resp: 1351996

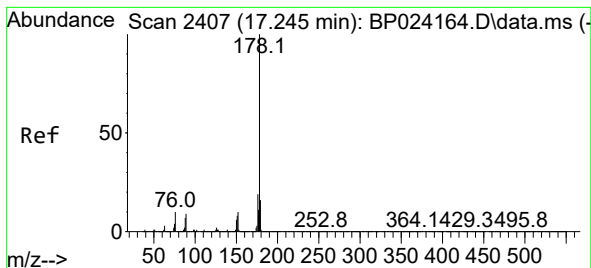
Ion Ratio Lower Upper

188 100

94 11.1 8.1 12.1

80 12.2 8.9 13.3





#71

Phenanthrene

Concen: 2.910 ng

RT: 17.210 min Scan# 2407

Delta R.T. -0.035 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

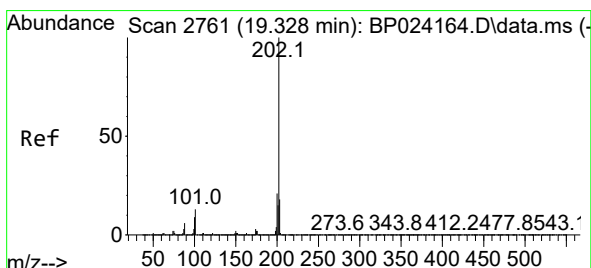
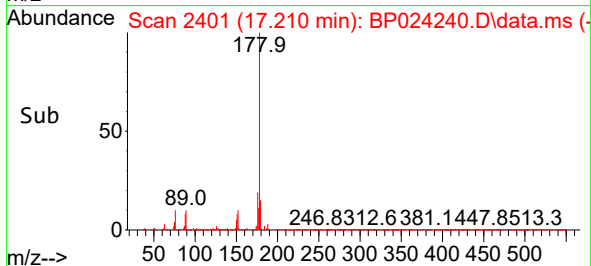
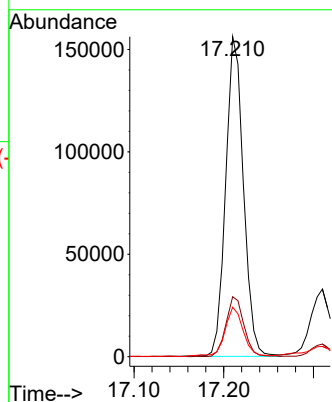
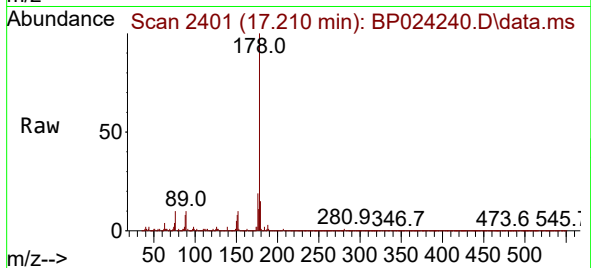
Tgt Ion:178 Resp: 214910

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

179 15.4 12.5 18.7



#75

Fluoranthene

Concen: 5.385 ng

RT: 19.292 min Scan# 2755

Delta R.T. -0.035 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

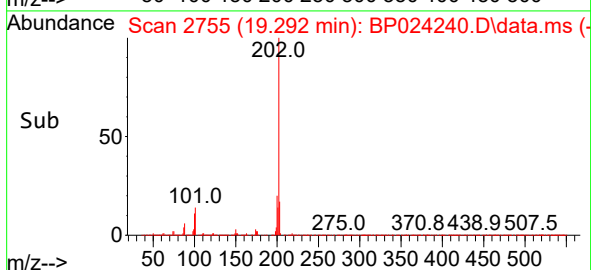
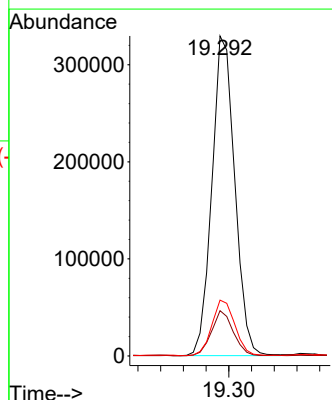
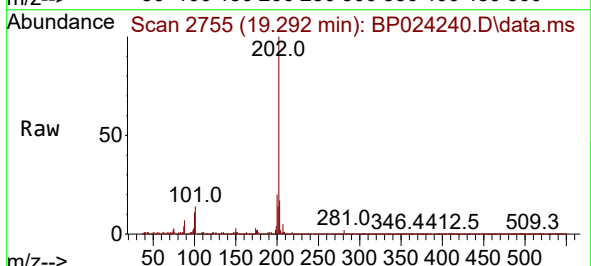
Tgt Ion:202 Resp: 460658

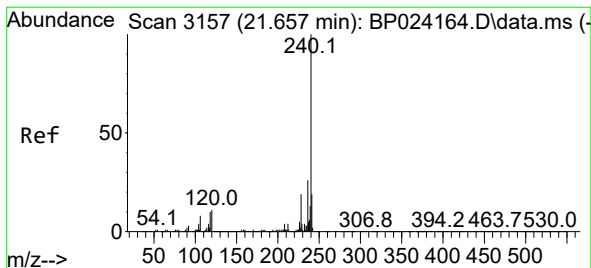
Ion Ratio Lower Upper

202 100

101 14.2 0.0 32.5

203 17.5 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.621 min Scan# 3151

Delta R.T. -0.035 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

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ClientSampleId :

B-149-SB01

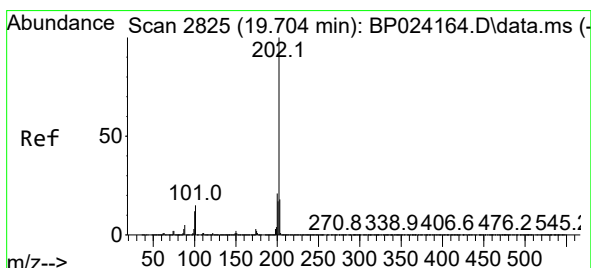
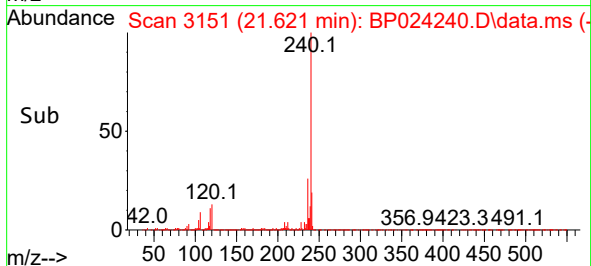
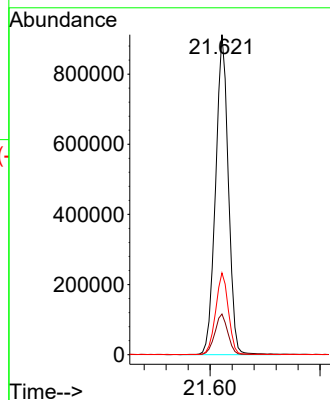
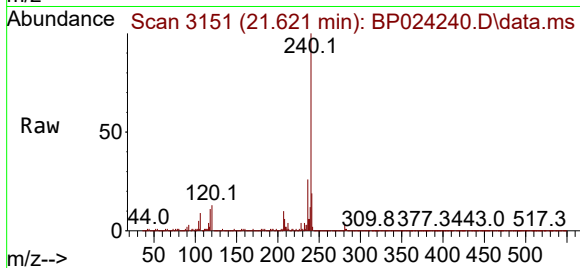
Tgt Ion:240 Resp: 1469545

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 25.6 20.4 30.6



#78

Pyrene

Concen: 5.140 ng

RT: 19.675 min Scan# 2820

Delta R.T. -0.030 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

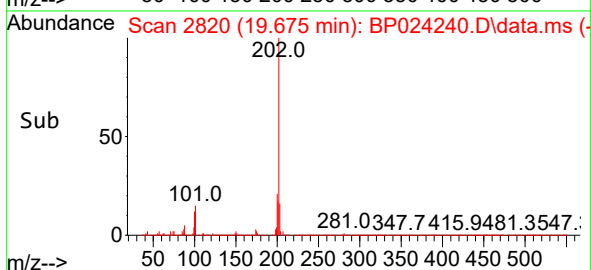
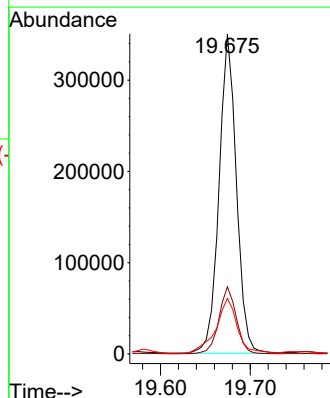
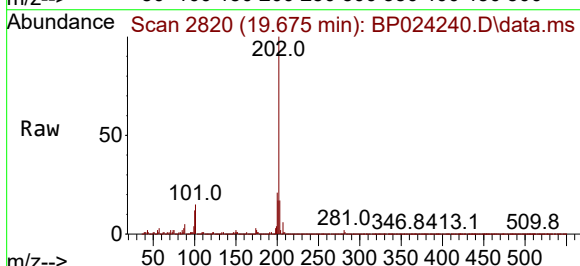
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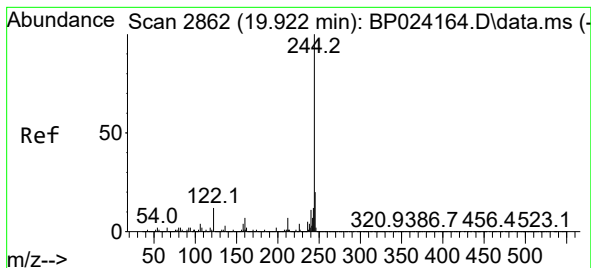
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.3 14.2 21.4





#79

Terphenyl-d14

Concen: 62.860 ng

RT: 19.898 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

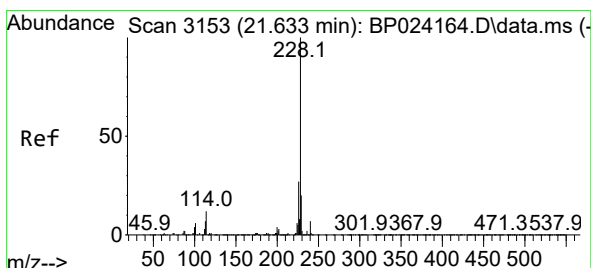
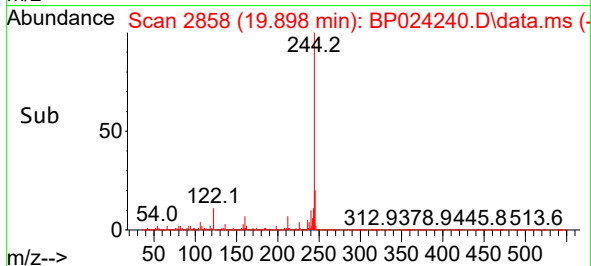
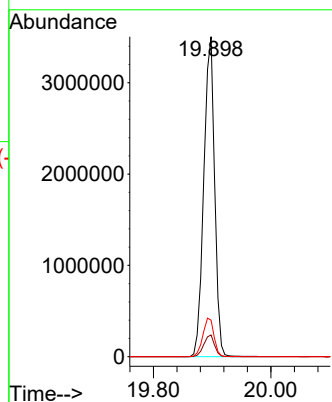
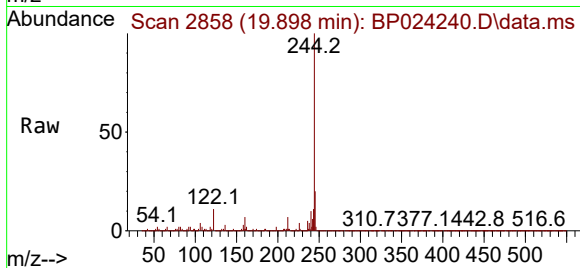
Tgt Ion:244 Resp: 4475088

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.4 9.6 14.4



#81

Benzo(a)anthracene

Concen: 2.796 ng

RT: 21.598 min Scan# 3147

Delta R.T. -0.035 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

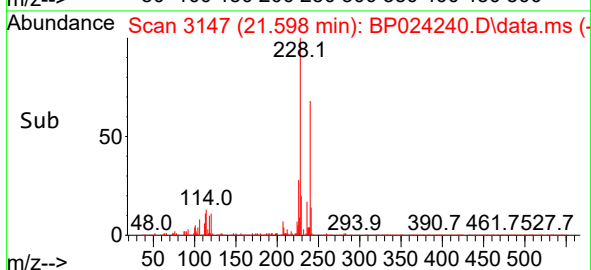
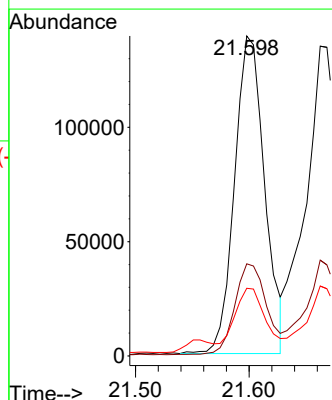
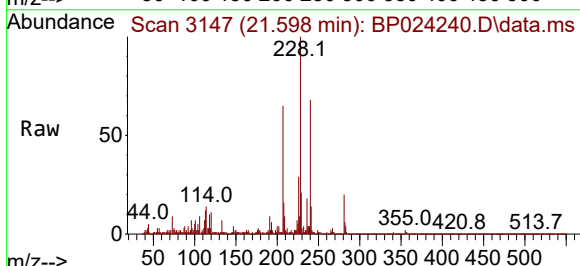
Tgt Ion:228 Resp: 255473

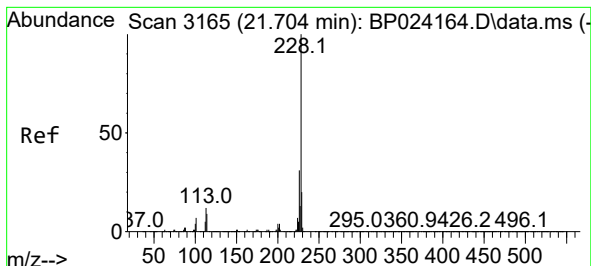
Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

229 21.2 16.0 24.0





#83

Chrysene

Concen: 3.118 ng

RT: 21.663 min Scan# 3165

Delta R.T. -0.041 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

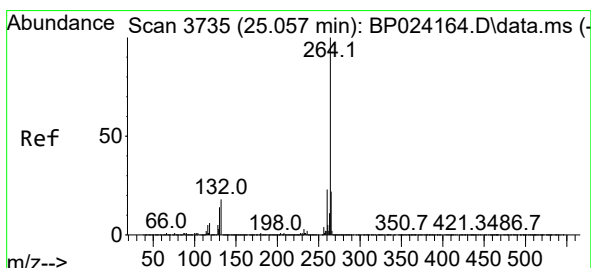
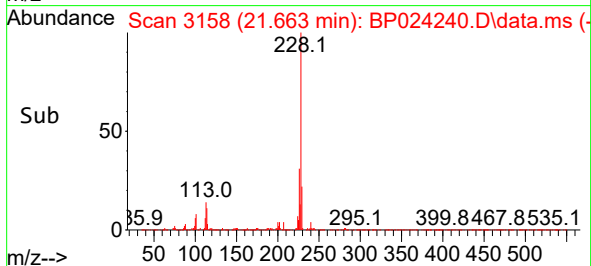
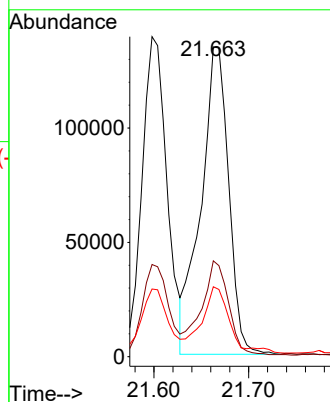
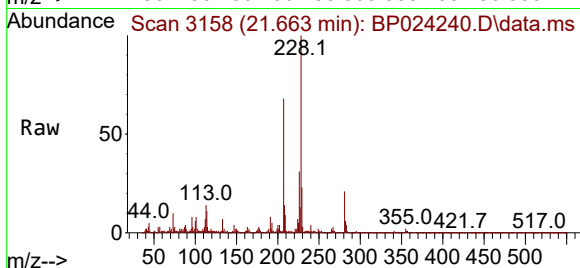
Tgt Ion:228 Resp: 273819

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 22.6 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.992 min Scan# 3724

Delta R.T. -0.065 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

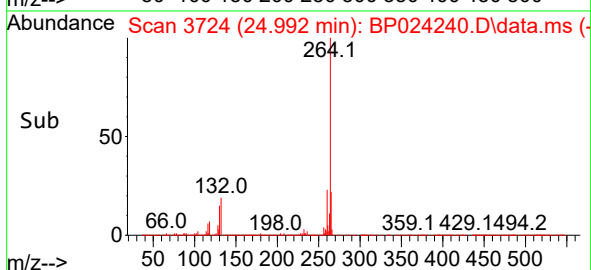
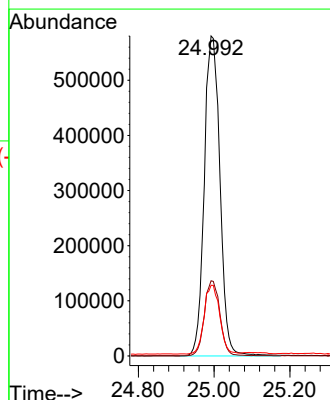
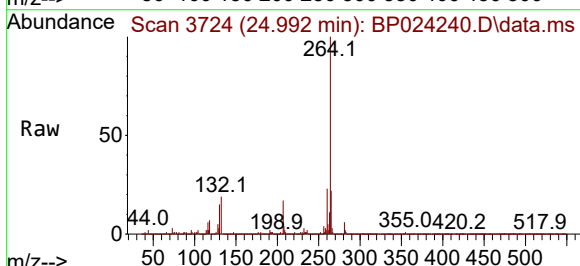
Tgt Ion:264 Resp: 1665459

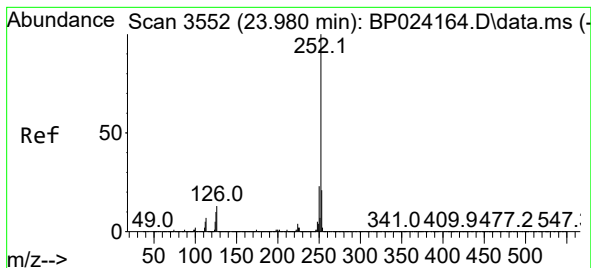
Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.1 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 3.456 ng

RT: 23.915 min Scan# 3541

Delta R.T. -0.065 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

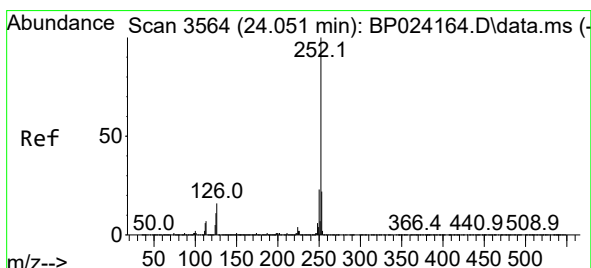
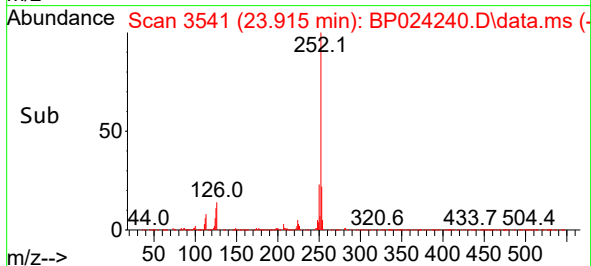
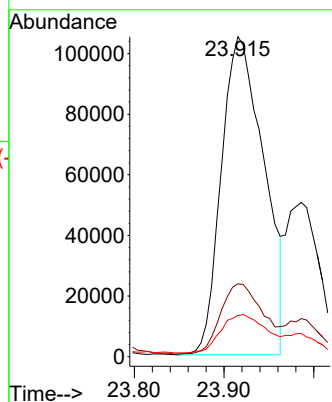
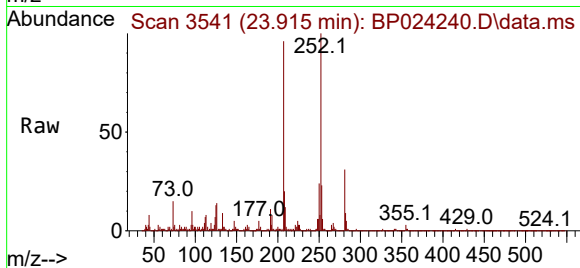
Tgt Ion:252 Resp: 347008

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 12.8 8.2 12.4#



#89

Benzo(k)fluoranthene

Concen: 3.533 ng

RT: 23.915 min Scan# 3541

Delta R.T. -0.135 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

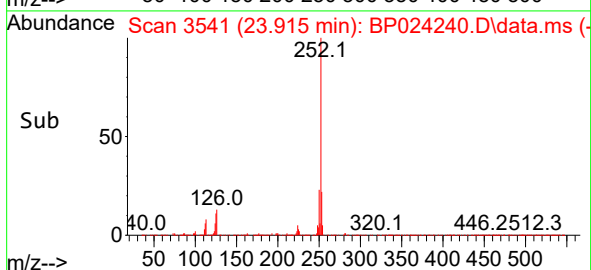
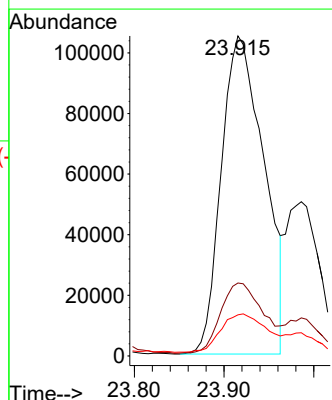
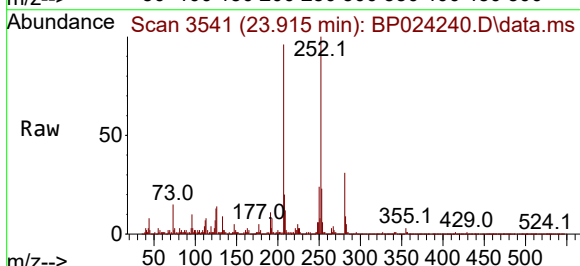
Tgt Ion:252 Resp: 347008

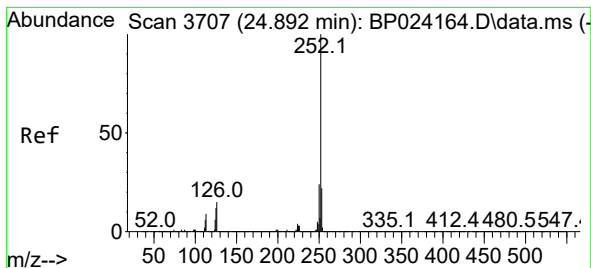
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.8 9.1 13.7





#90

Benzo(a)pyrene

Concen: 2.710 ng

RT: 24.827 min Scan# 30

Delta R.T. -0.065 min

Lab File: BP024240.D

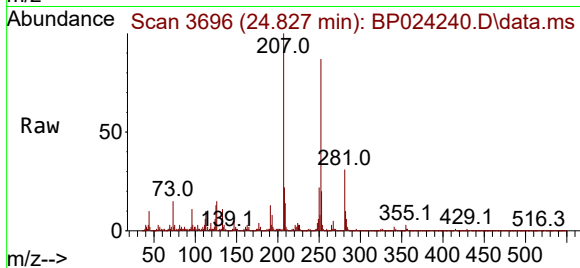
Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01



Tgt Ion:252 Resp: 236671

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 14.8 9.6 14.4#

