

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024329.D
 Acq On : 17 Apr 2025 16:42
 Operator : RC/JU
 Sample : Q1825-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-9

Quant Time: Apr 17 17:14:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

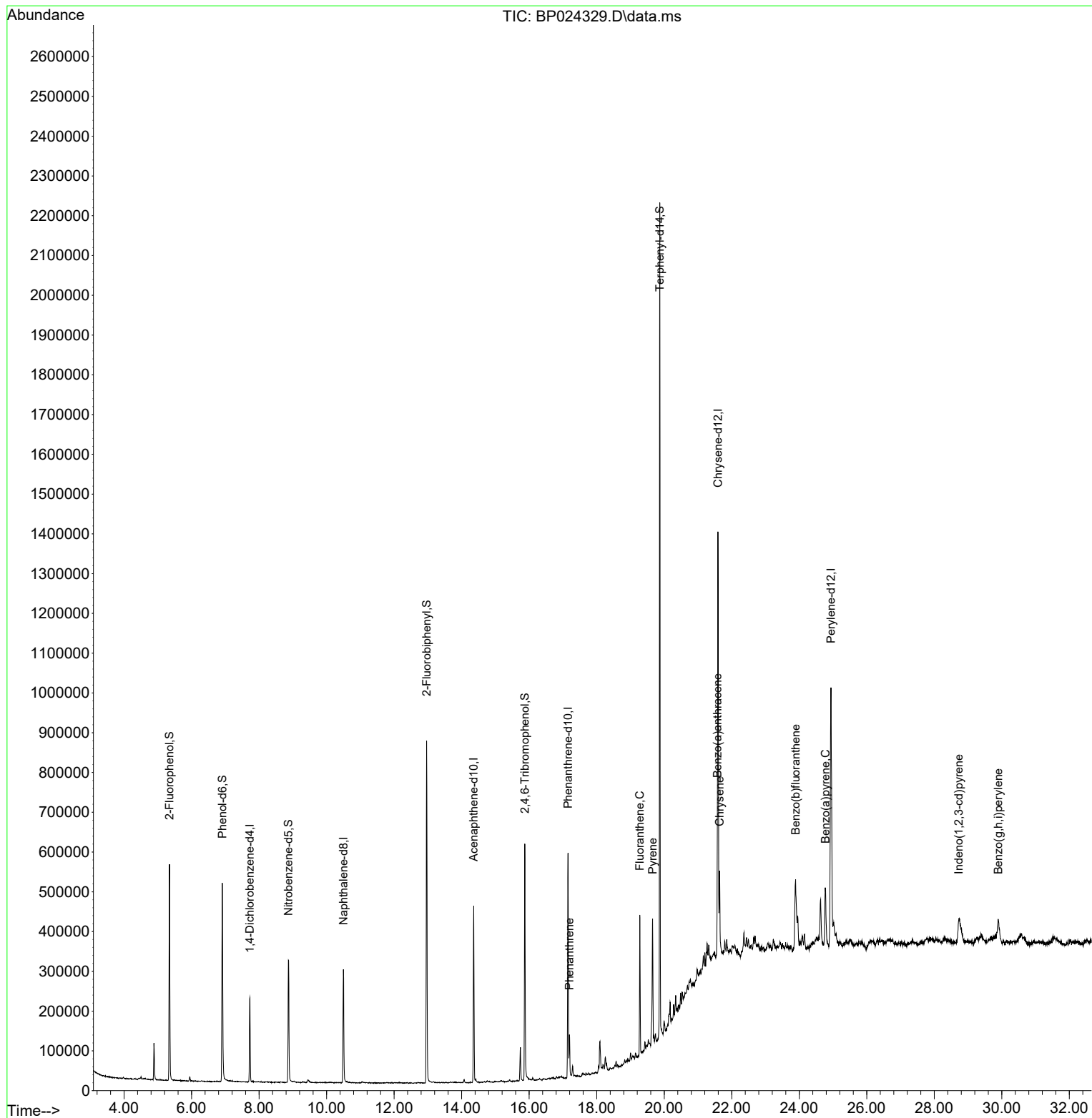
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	61049	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	246181	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	154022	20.000	ng	-0.01
64) Phenanthrene-d10	17.151	188	331253	20.000	ng	-0.03
76) Chrysene-d12	21.592	240	512037	20.000	ng	-0.03
86) Perylene-d12	24.939	264	655967	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	258165	69.922	ng	0.00
7) Phenol-d6	6.910	99	345270	68.294	ng	0.00
23) Nitrobenzene-d5	8.869	82	205000	47.483	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	123752	58.073	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	478776	47.594	ng	-0.02
79) Terphenyl-d14	19.869	244	925091	36.416	ng	-0.05
Target Compounds						
						Qvalue
71) Phenanthrene	17.192	178	66146	3.660	ng	98
75) Fluoranthene	19.275	202	197353	9.183	ng	99
78) Pyrene	19.657	202	216495	6.653	ng	98
81) Benzo(a)anthracene	21.574	228	144139	4.529	ng	98
83) Chrysene	21.639	228	135524	4.445	ng	97
87) Indeno(1,2,3-cd)pyrene	28.727	276	111300	2.444	ng	# 94
88) Benzo(b)fluoranthene	23.892	252	221502	5.633	ng	99
90) Benzo(a)pyrene	24.780	252	162833	4.801	ng	99
92) Benzo(g,h,i)perylene	29.892	276	104355	2.712	ng	96

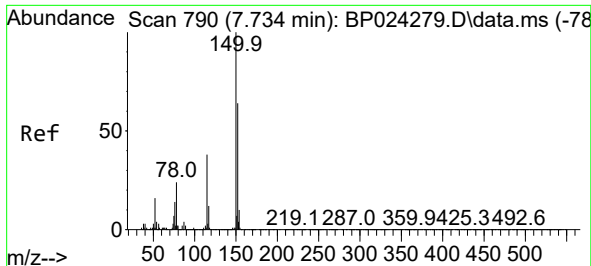
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024329.D
Acq On : 17 Apr 2025 16:42
Operator : RC/JU
Sample : Q1825-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Time: Apr 17 17:14:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

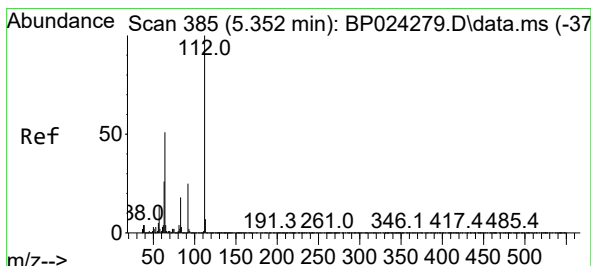
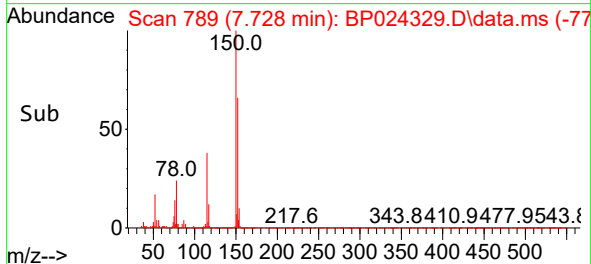
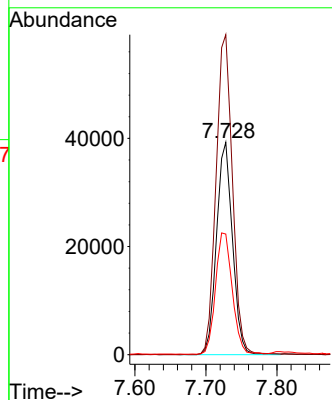
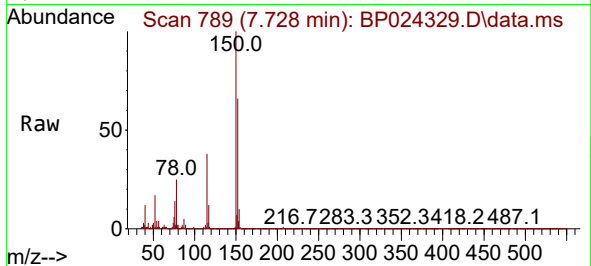




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

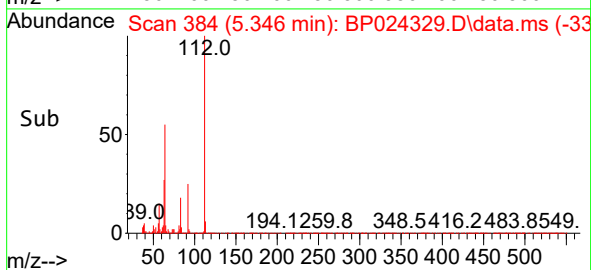
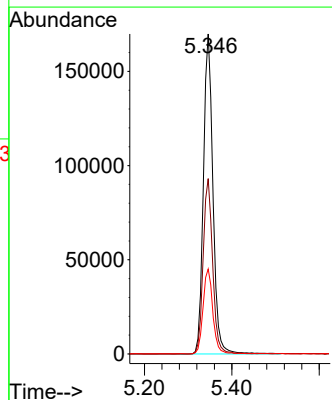
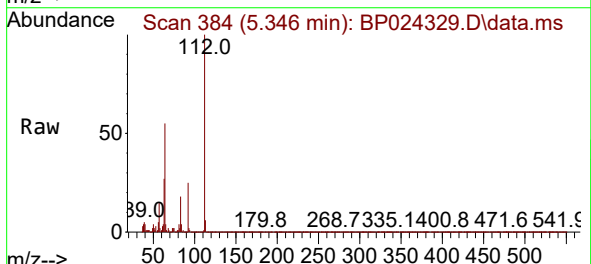
Instrument :
BNA_P
ClientSampleId :
TP-9

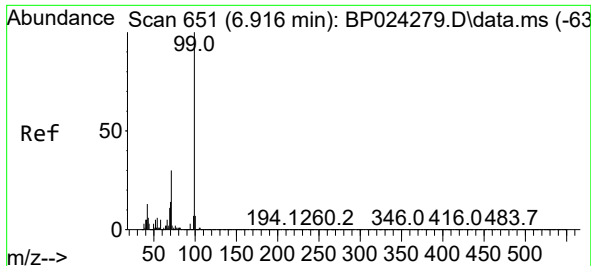
Tgt Ion:152 Resp: 61049
Ion Ratio Lower Upper
152 100
150 150.7 124.9 187.3
115 56.8 47.7 71.5



#5
2-Fluorophenol
Concen: 69.922 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:112 Resp: 258165
Ion Ratio Lower Upper
112 100
64 54.8 41.1 61.7
63 26.6 20.6 30.8

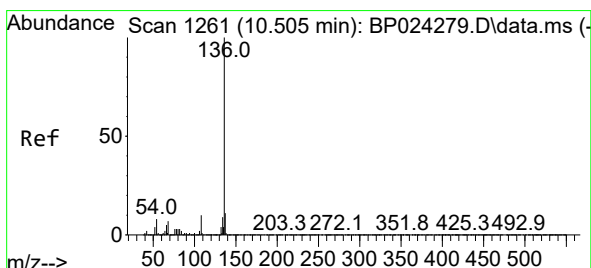
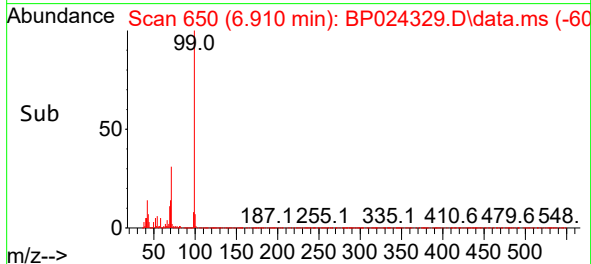
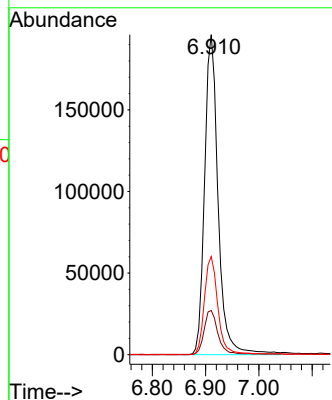
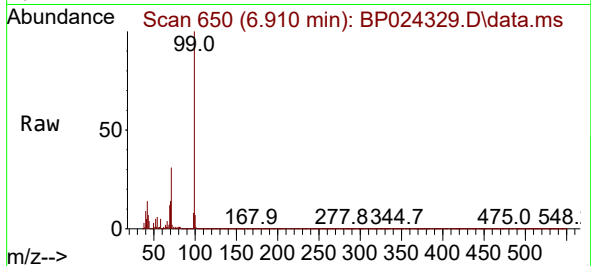




#7
Phenol-d6
Concen: 68.294 ng
RT: 6.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

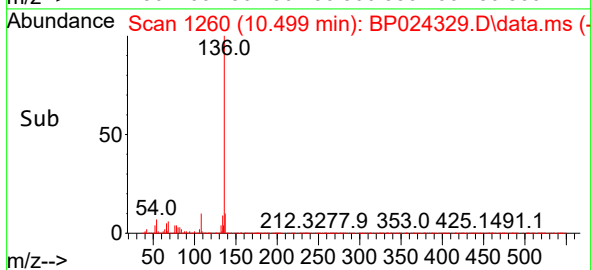
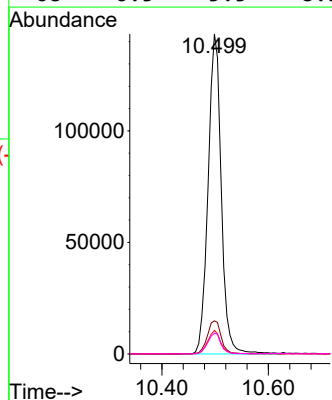
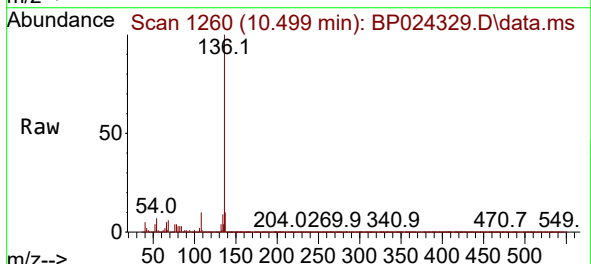
Instrument :
BNA_P
ClientSampleId :
TP-9

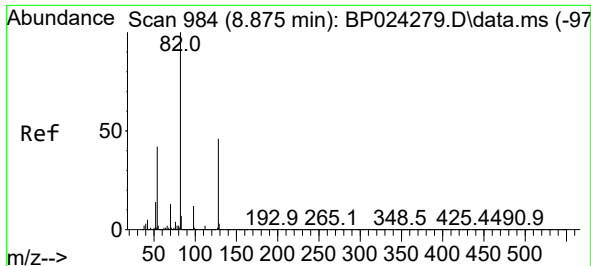
Tgt Ion: 99 Resp: 345270
Ion Ratio Lower Upper
99 100
42 13.8 10.6 16.0
71 30.6 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 136 Resp: 246181
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 7.4 6.0 9.0
68 6.5 5.5 8.3

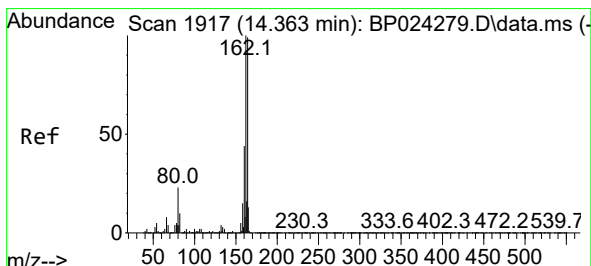
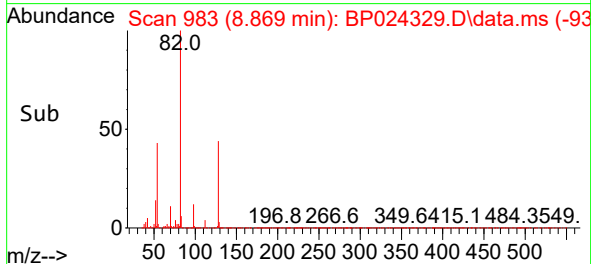
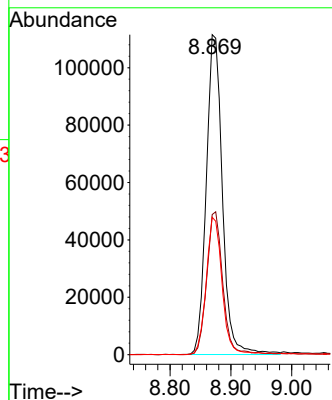
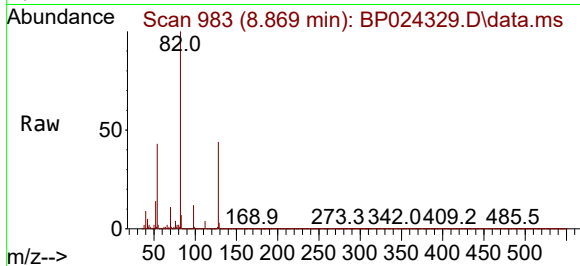




#23
Nitrobenzene-d5
Concen: 47.483 ng
RT: 8.869 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

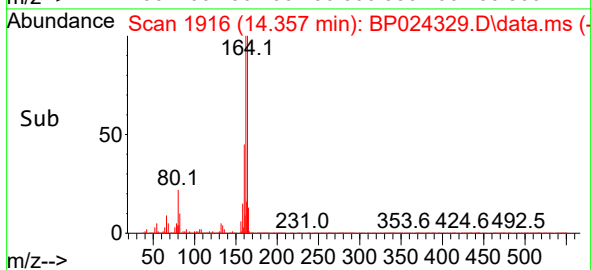
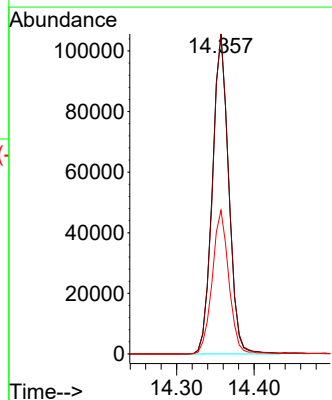
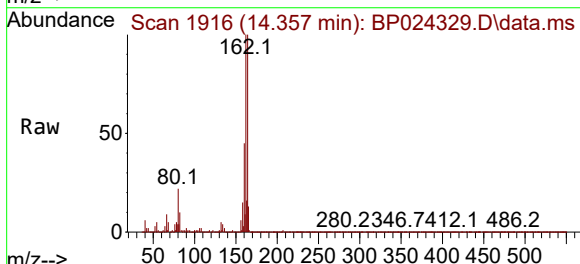
Instrument :
BNA_P
ClientSampleId :
TP-9

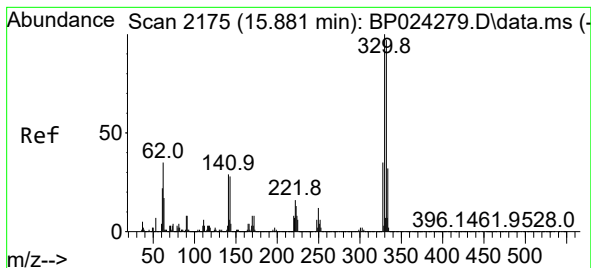
Tgt Ion: 82 Resp: 205000
Ion Ratio Lower Upper
82 100
128 43.8 36.5 54.7
54 43.0 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 164 Resp: 154022
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 45.0 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 58.073 ng

RT: 15.875 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

Instrument :

BNA_P

ClientSampleId :

TP-9

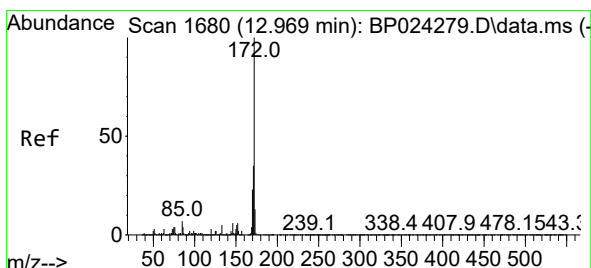
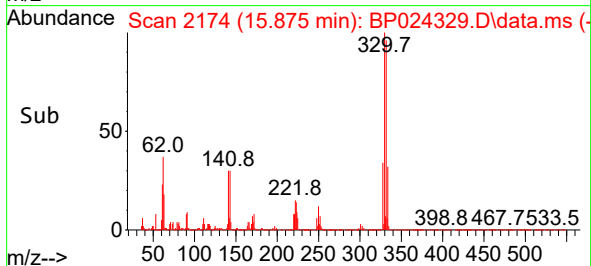
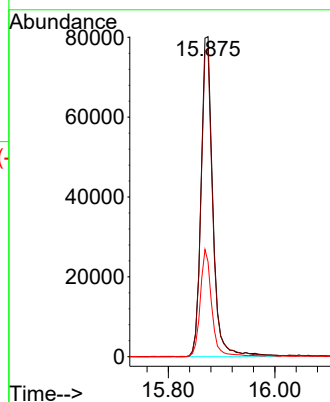
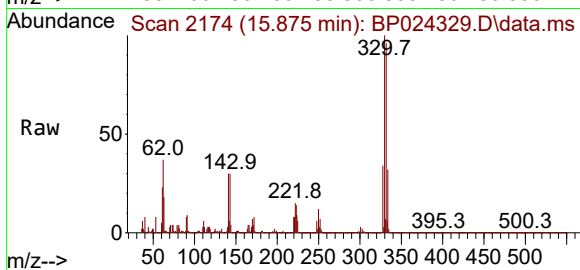
Tgt Ion:330 Resp: 123752

Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

141 32.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 47.594 ng

RT: 12.963 min Scan# 1679

Delta R.T. -0.018 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

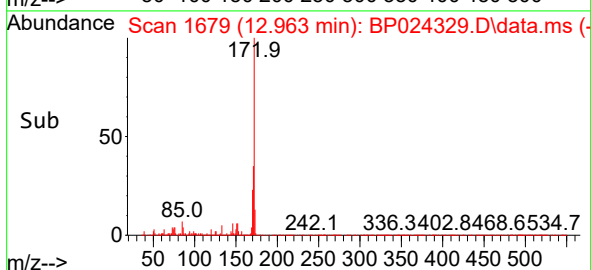
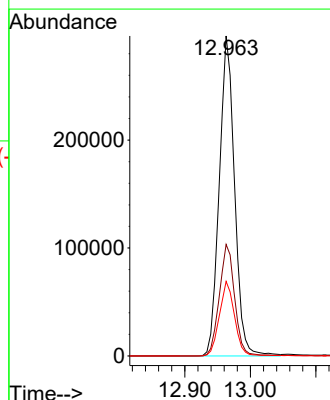
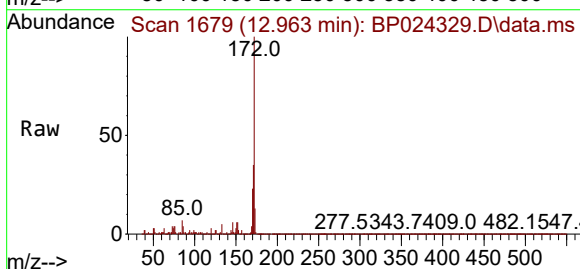
Tgt Ion:172 Resp: 478776

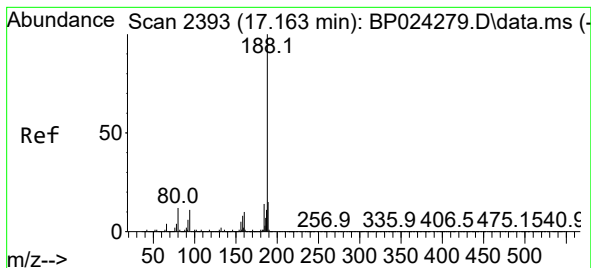
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.3 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.151 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

Instrument :

BNA_P

ClientSampleId :

TP-9

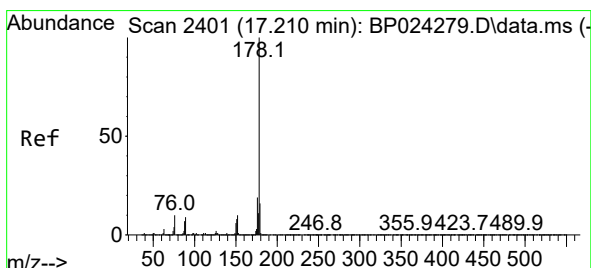
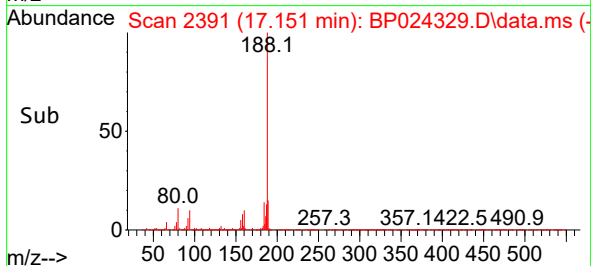
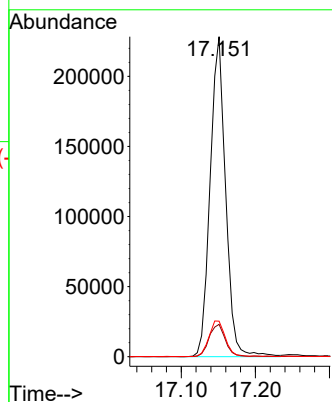
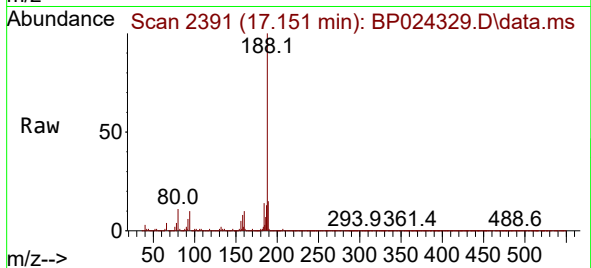
Tgt Ion:188 Resp: 331253

Ion Ratio Lower Upper

188 100

94 10.1 8.6 13.0

80 11.1 9.8 14.6



#71

Phenanthrene

Concen: 3.660 ng

RT: 17.192 min Scan# 2398

Delta R.T. -0.035 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

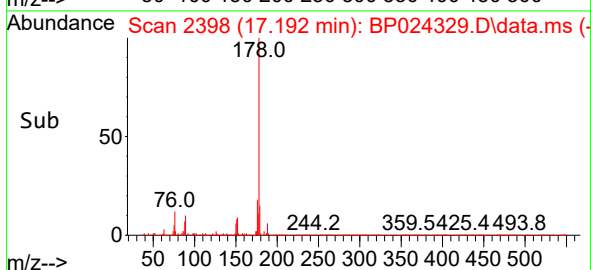
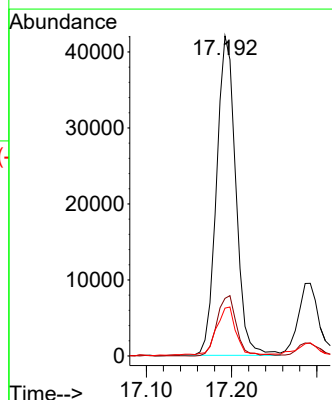
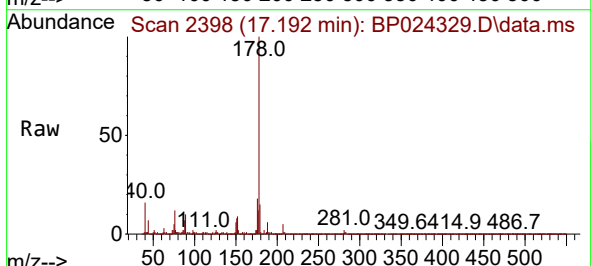
Tgt Ion:178 Resp: 66146

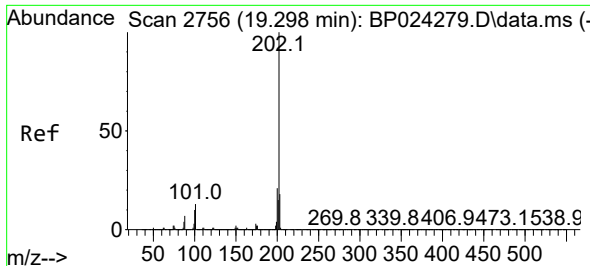
Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

179 15.0 12.5 18.7

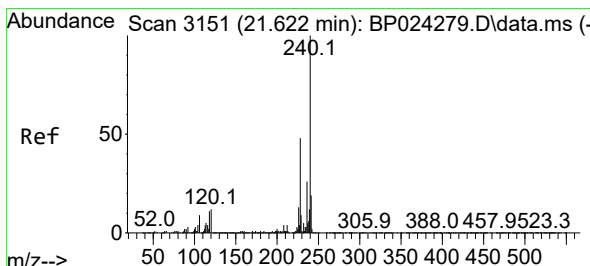
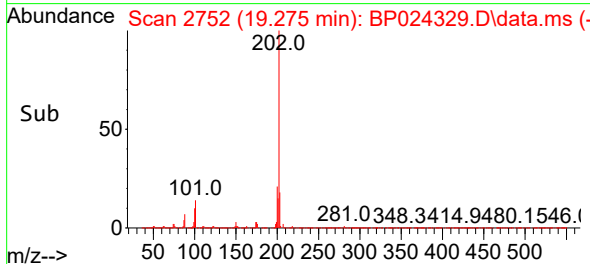
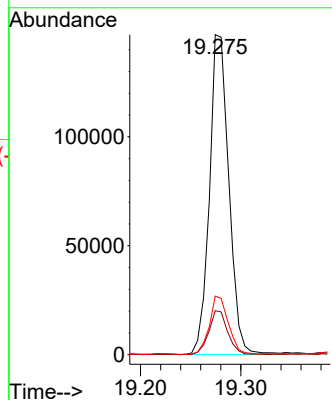
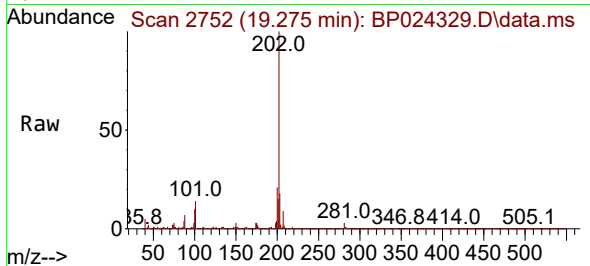




#75
Fluoranthene
Concen: 9.183 ng
RT: 19.275 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

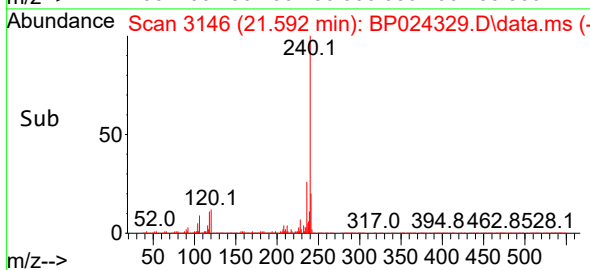
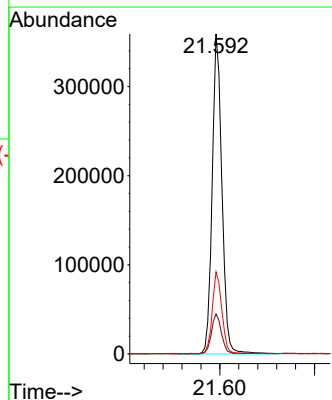
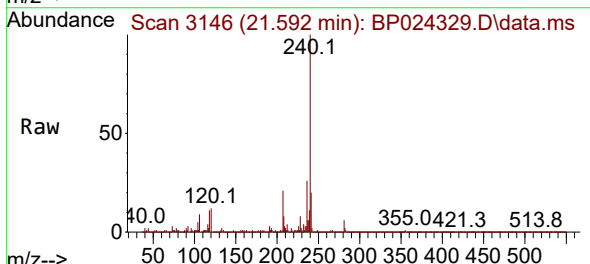
Instrument :
BNA_P
ClientSampleId :
TP-9

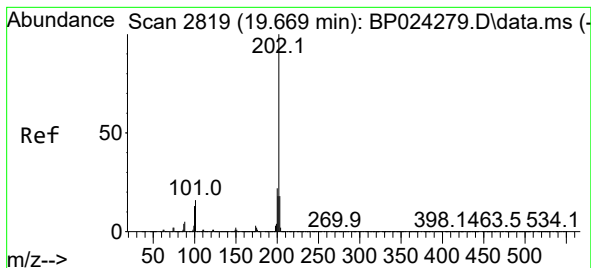
Tgt Ion:202 Resp: 197353
Ion Ratio Lower Upper
202 100
101 13.8 0.0 33.2
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3146
Delta R.T. -0.029 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:240 Resp: 512037
Ion Ratio Lower Upper
240 100
120 12.4 9.8 14.8
236 25.6 20.9 31.3





#78

Pyrene

Concen: 6.653 ng

RT: 19.657 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

Instrument :

BNA_P

ClientSampleId :

TP-9

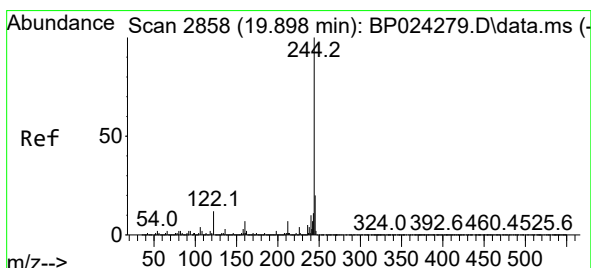
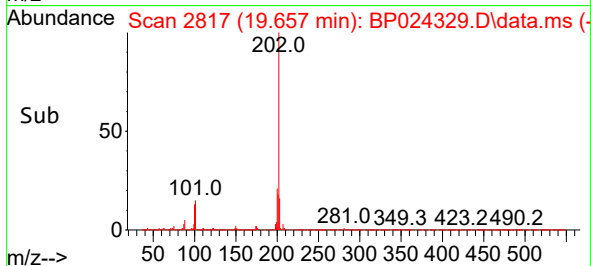
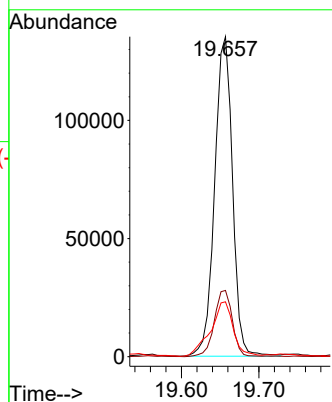
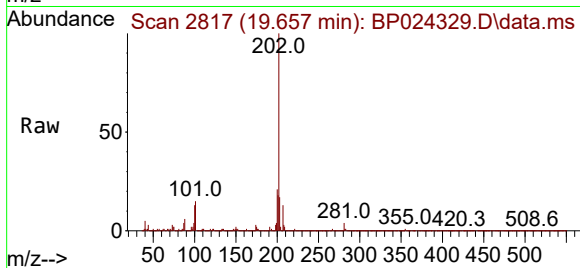
Tgt Ion:202 Resp: 216495

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 17.1 14.4 21.6



#79

Terphenyl-d14

Concen: 36.416 ng

RT: 19.869 min Scan# 2853

Delta R.T. -0.053 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

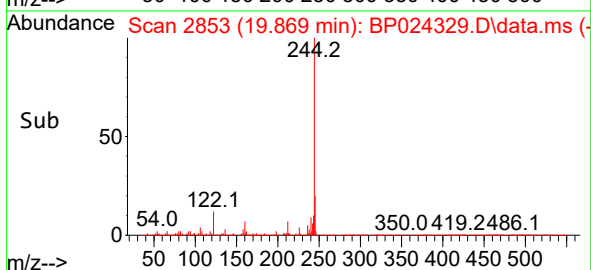
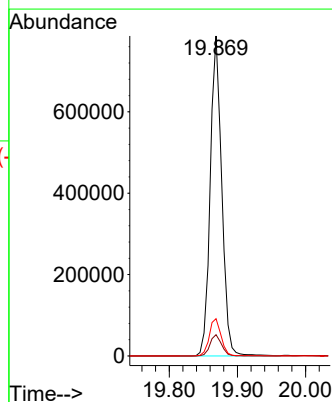
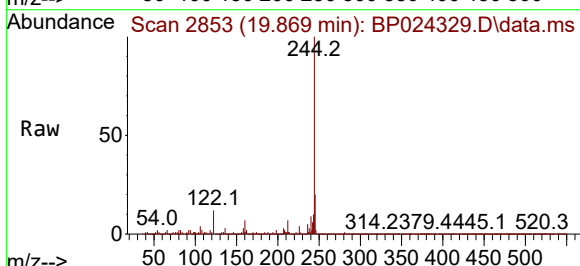
Tgt Ion:244 Resp: 925091

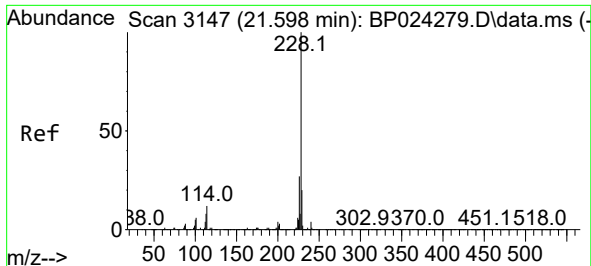
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.6 9.4 14.0

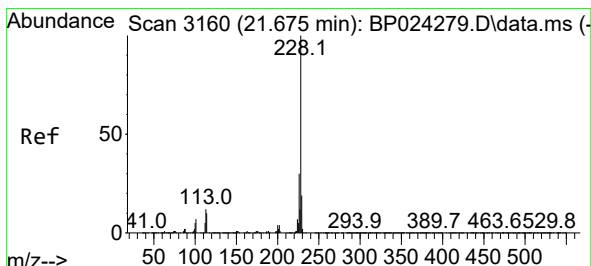
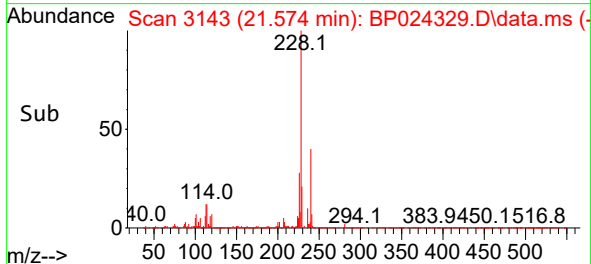
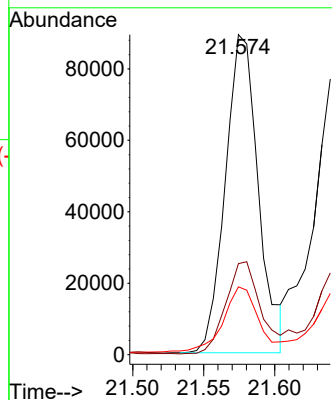
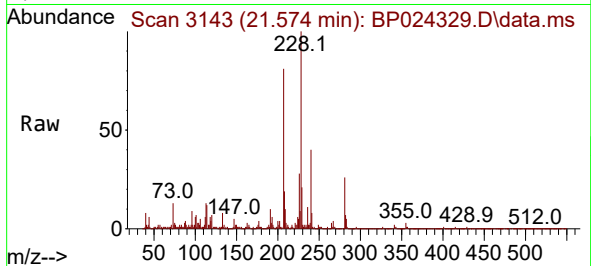




#81
Benzo(a)anthracene
Concen: 4.529 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

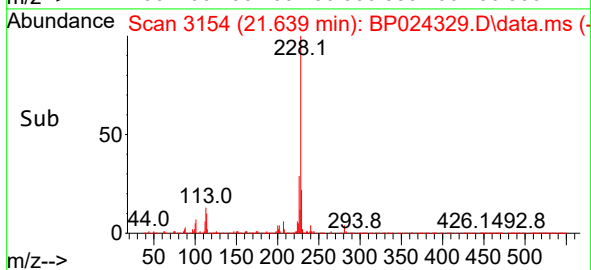
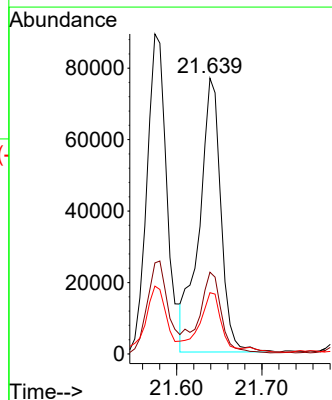
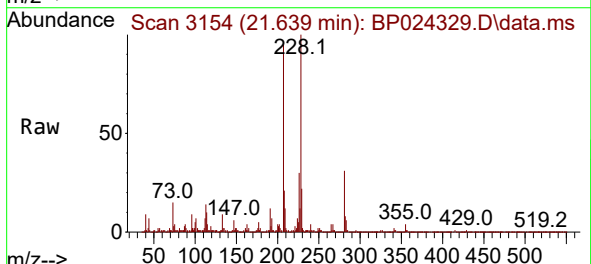
Instrument :
BNA_P
ClientSampleId :
TP-9

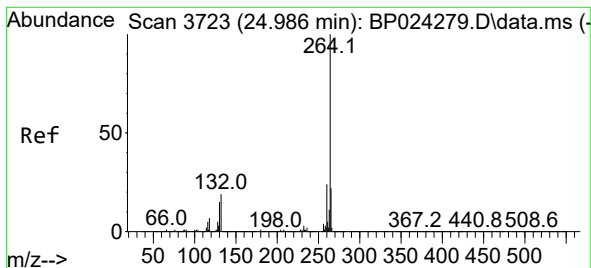
Tgt Ion:228 Resp: 144139
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.8
229 21.2 15.9 23.9



#83
Chrysene
Concen: 4.445 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.041 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:228 Resp: 135524
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 22.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.939 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

Instrument :

BNA_P

ClientSampleId :

TP-9

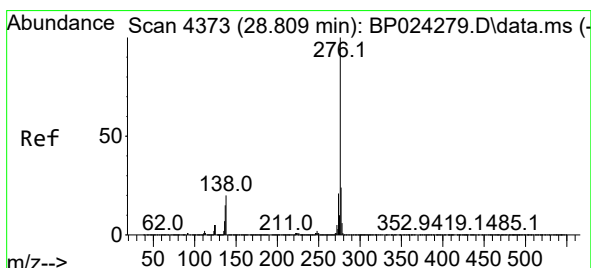
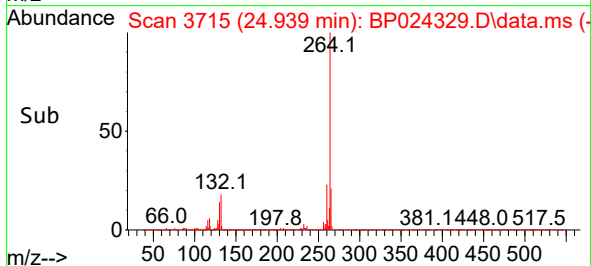
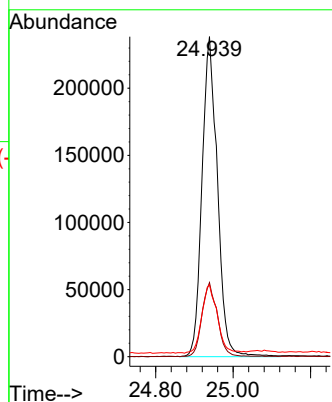
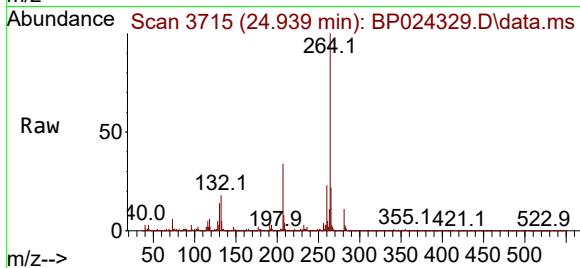
Tgt Ion:264 Resp: 655967

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 22.5 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.444 ng

RT: 28.727 min Scan# 4359

Delta R.T. -0.088 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

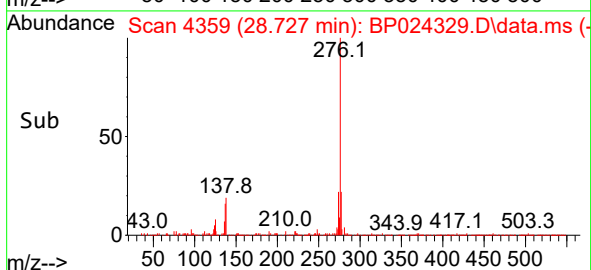
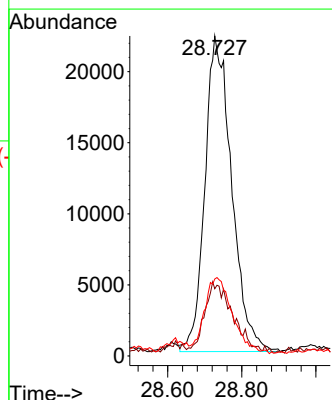
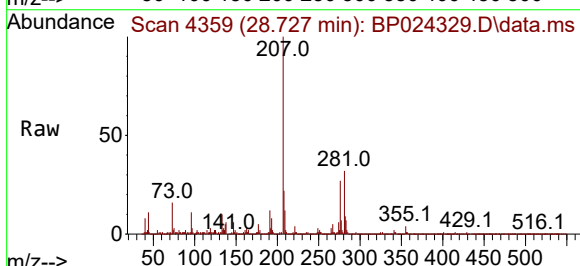
Tgt Ion:276 Resp: 111300

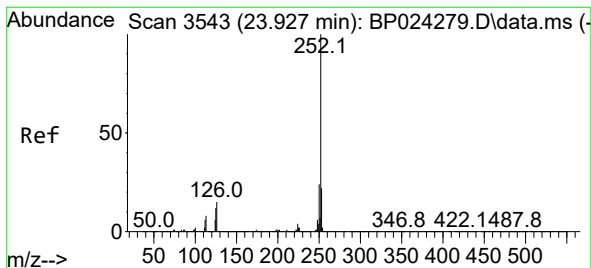
Ion Ratio Lower Upper

276 100

138 22.4 14.5 21.7#

277 23.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 5.633 ng

RT: 23.892 min Scan# 3

Delta R.T. -0.041 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

Instrument :

BNA_P

ClientSampleId :

TP-9

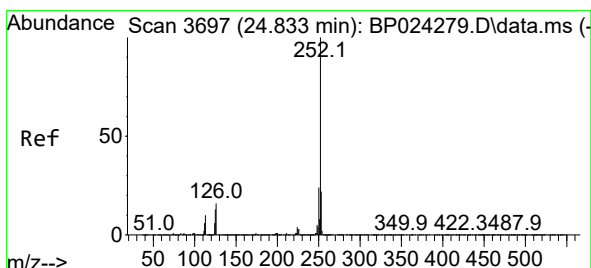
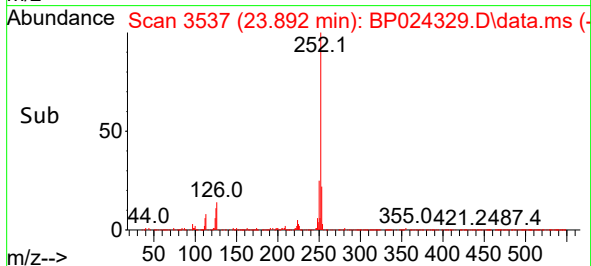
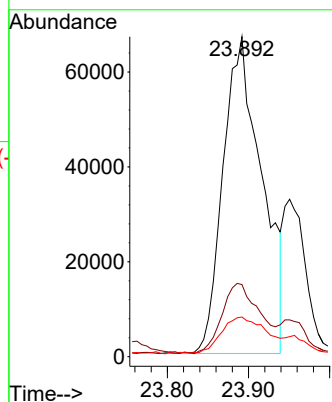
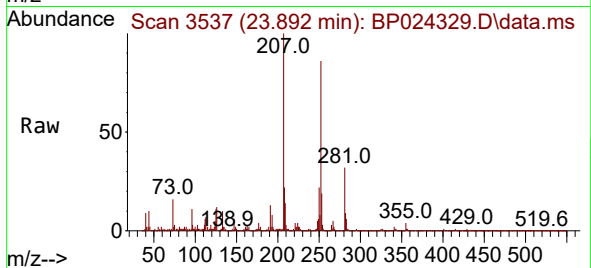
Tgt Ion:252 Resp: 221502

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 12.4 9.4 14.0



#90

Benzo(a)pyrene

Concen: 4.801 ng

RT: 24.780 min Scan# 3688

Delta R.T. -0.053 min

Lab File: BP024329.D

Acq: 17 Apr 2025 16:42

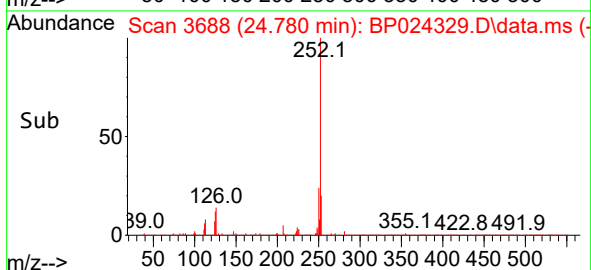
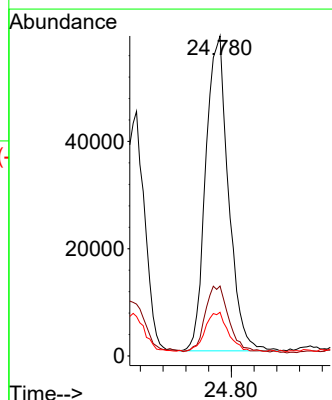
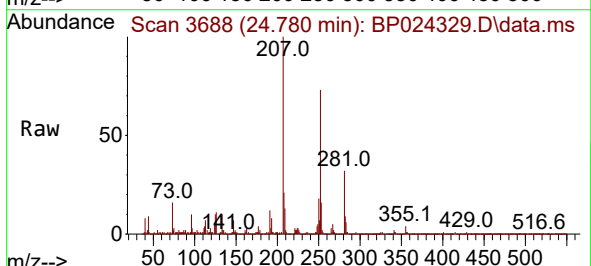
Tgt Ion:252 Resp: 162833

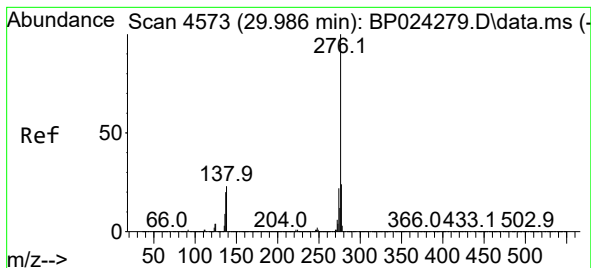
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 13.7 10.1 15.1





#92

Benzo(g,h,i)perylene

Concen: 2.712 ng

RT: 29.892 min Scan# 4

Delta R.T. -0.106 min

Lab File: BP024329.D

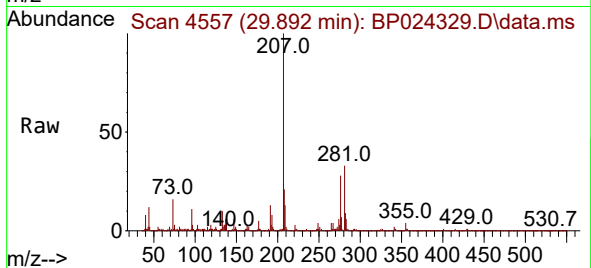
Acq: 17 Apr 2025 16:42

Instrument :

BNA_P

ClientSampleId :

TP-9



Tgt Ion:276 Resp: 104355

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 19.9 18.7 28.1

