

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042125\
 Data File : BP024370.D
 Acq On : 21 Apr 2025 20:20
 Operator : RC/JU
 Sample : Q1842-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-714-COMP-09

Quant Time: Apr 22 01:02:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

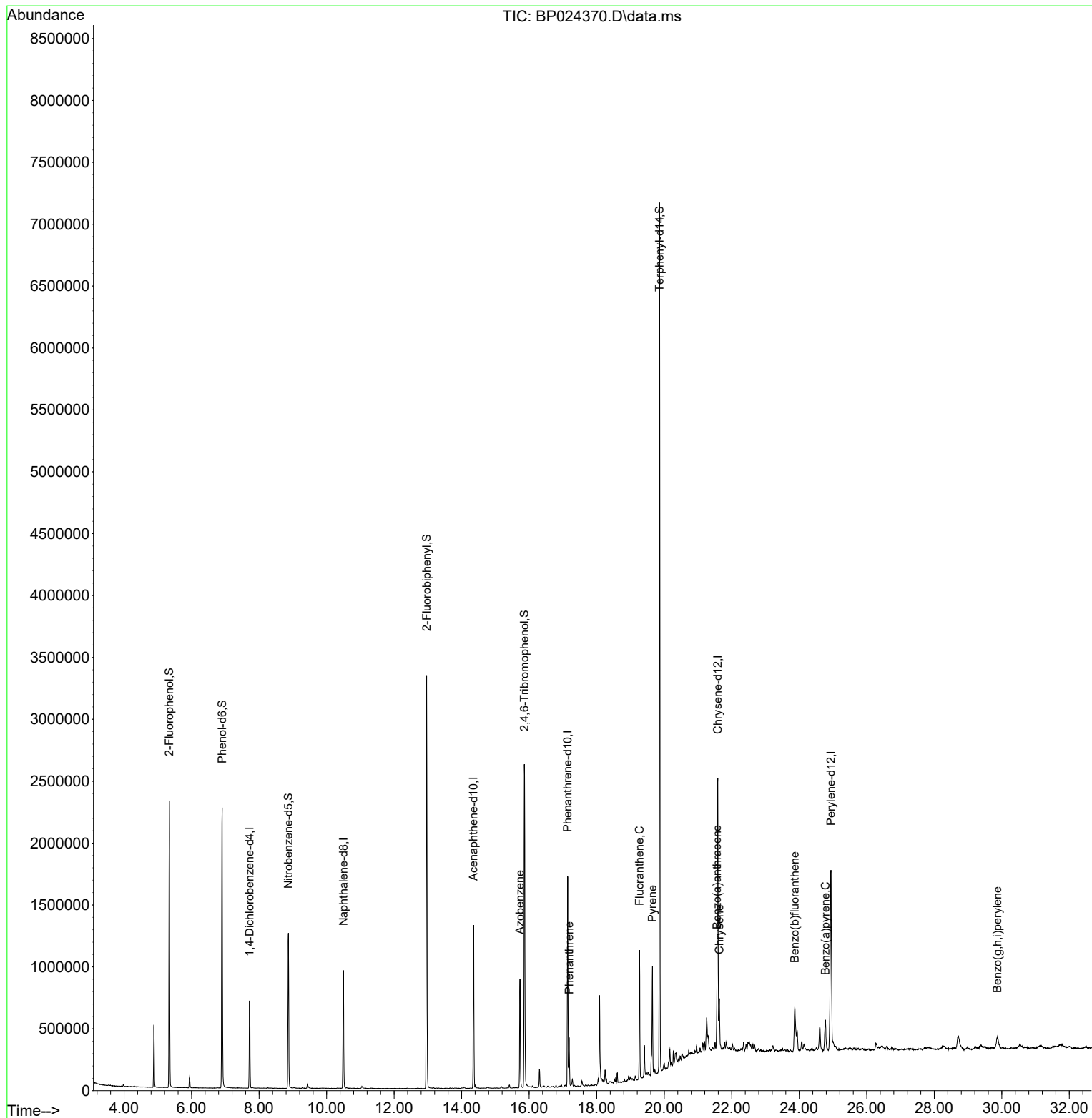
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	194774	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	759606	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	442133	20.000	ng	0.00
64) Phenanthrene-d10	17.139	188	921523	20.000	ng	0.00
76) Chrysene-d12	21.586	240	1204159	20.000	ng	0.00
86) Perylene-d12	24.939	264	1440323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	991520	84.171	ng	0.00
7) Phenol-d6	6.905	99	1404701	87.087	ng	0.00
23) Nitrobenzene-d5	8.869	82	758775	56.959	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	612531	100.133	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	1784183	61.786	ng	0.00
79) Terphenyl-d14	19.863	244	3268224	54.707	ng	-0.01
Target Compounds						
					Qvalue	
63) Azobenzene	15.728	77	263531	8.653	ng	# 1
71) Phenanthrene	17.187	178	244442	4.862	ng	100
75) Fluoranthene	19.269	202	607482	10.160	ng	99
78) Pyrene	19.651	202	523423	6.840	ng	99
81) Benzo(a)anthracene	21.563	228	261148	3.489	ng	99
83) Chrysene	21.633	228	294603	4.108	ng	98
88) Benzo(b)fluoranthene	23.869	252	412365	4.776	ng	99
90) Benzo(a)pyrene	24.774	252	257158	3.453	ng	98
92) Benzo(g,h,i)perylene	29.868	276	172794	2.045	ng	98

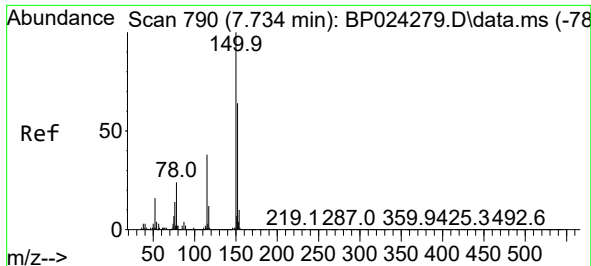
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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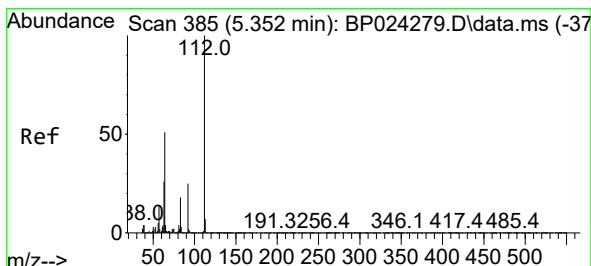
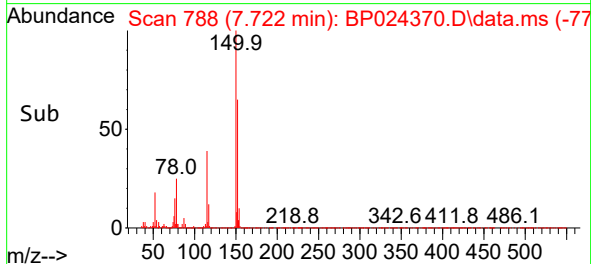
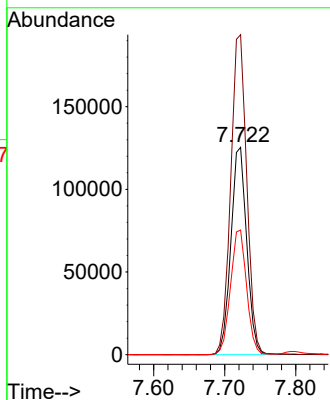
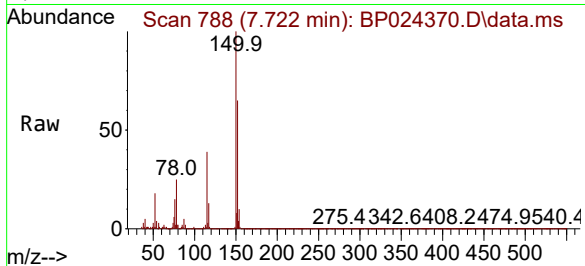




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

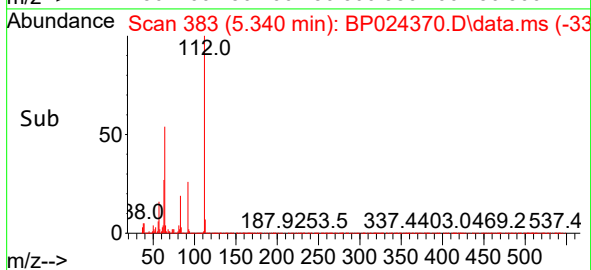
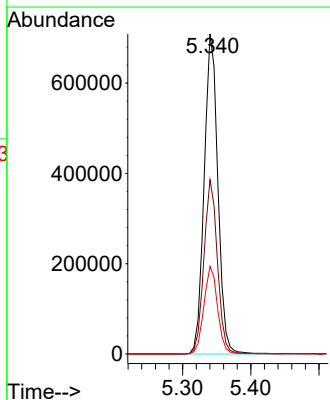
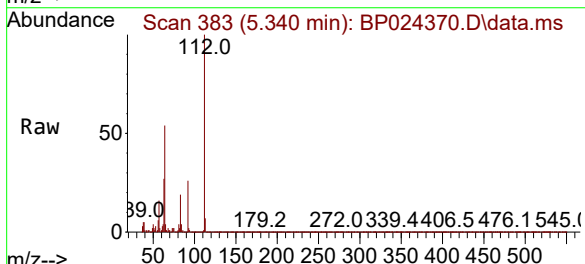
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-09

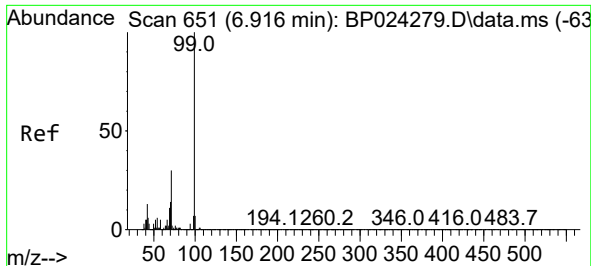
Tgt Ion:152 Resp: 194774
Ion Ratio Lower Upper
152 100
150 154.3 124.9 187.3
115 60.1 47.7 71.5



#5
2-Fluorophenol
Concen: 84.171 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

Tgt Ion:112 Resp: 991520
Ion Ratio Lower Upper
112 100
64 54.4 41.1 61.7
63 27.3 20.6 30.8

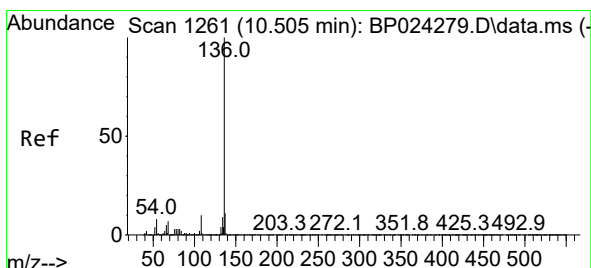
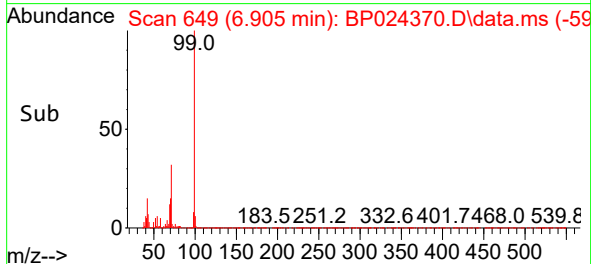
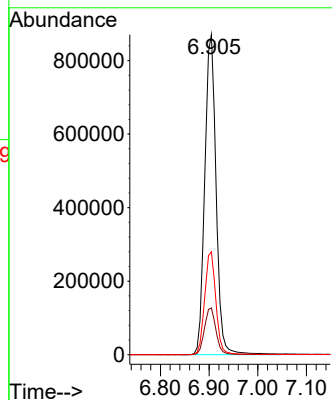
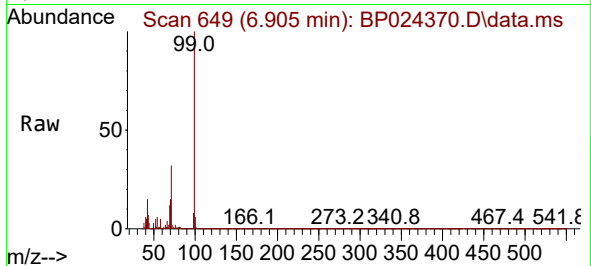




#7
Phenol-d6
Concen: 87.087 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

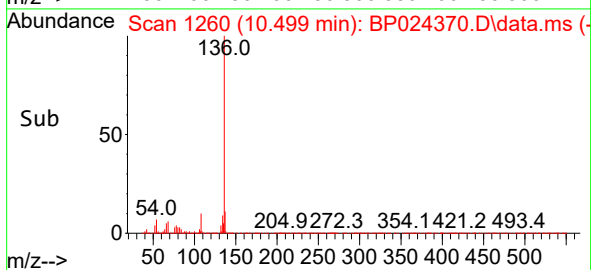
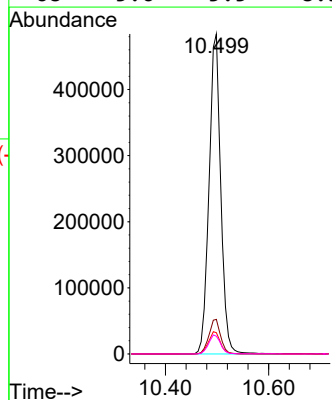
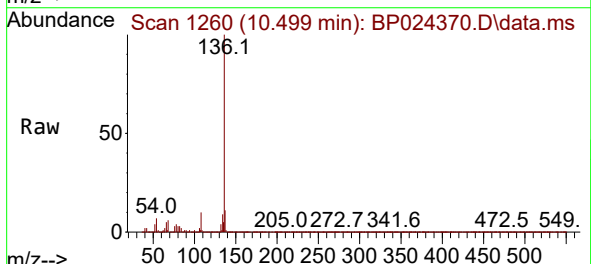
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-09

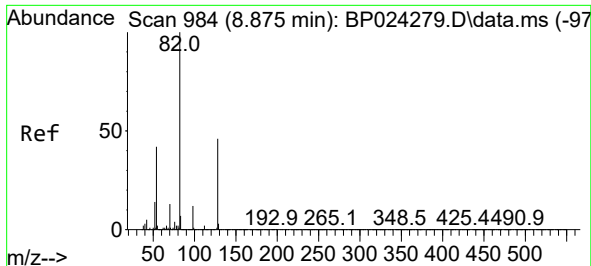
Tgt Ion: 99 Resp: 1404701
Ion Ratio Lower Upper
99 100
42 14.6 10.6 16.0
71 32.1 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

Tgt Ion:136 Resp: 759606
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 6.7 6.0 9.0
68 5.6 5.5 8.3

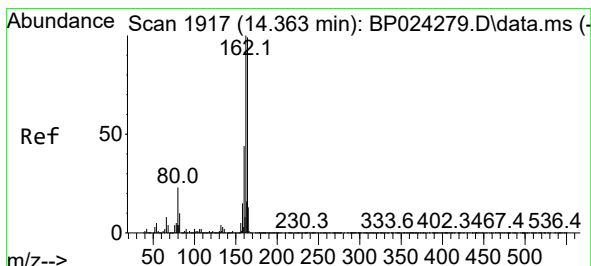
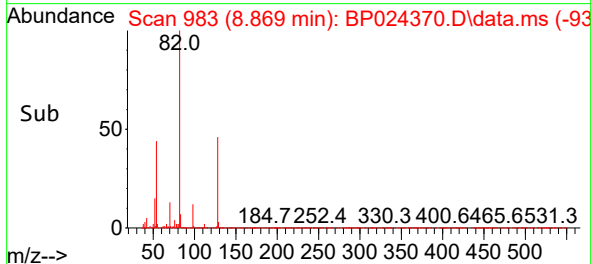
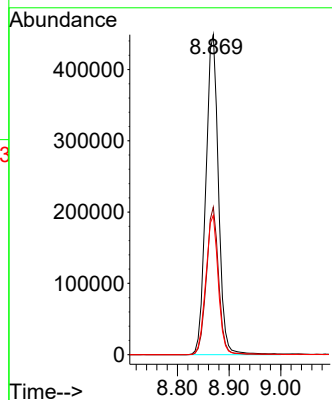
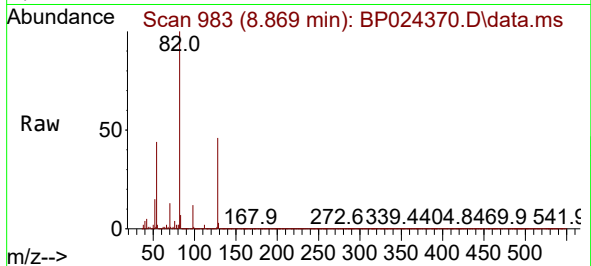




#23
Nitrobenzene-d5
Concen: 56.959 ng
RT: 8.869 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

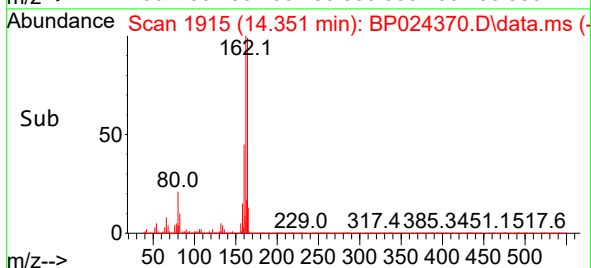
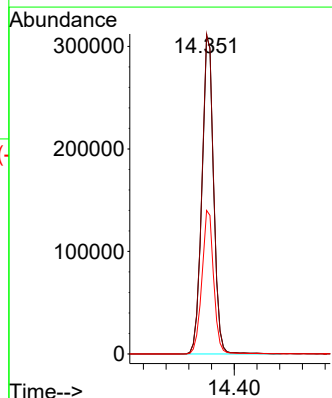
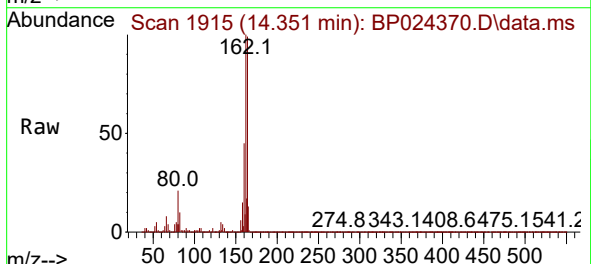
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-09

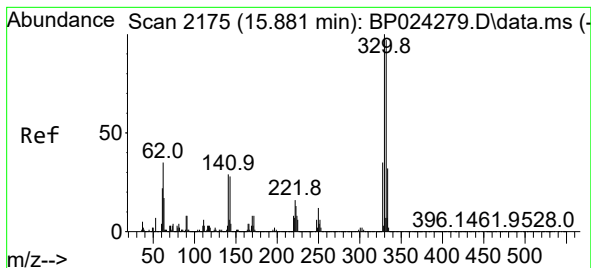
Tgt Ion: 82 Resp: 758775
Ion Ratio Lower Upper
82 100
128 46.1 36.5 54.7
54 43.6 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

Tgt Ion: 164 Resp: 442133
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 45.1 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 100.133 ng

RT: 15.863 min Scan# 2172

Delta R.T. 0.000 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-09

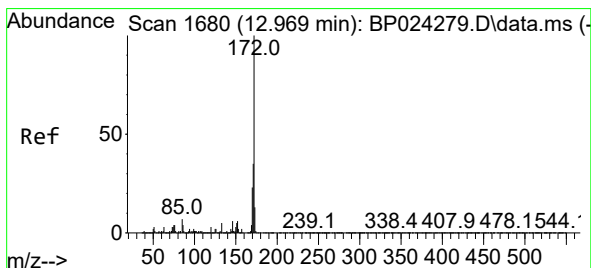
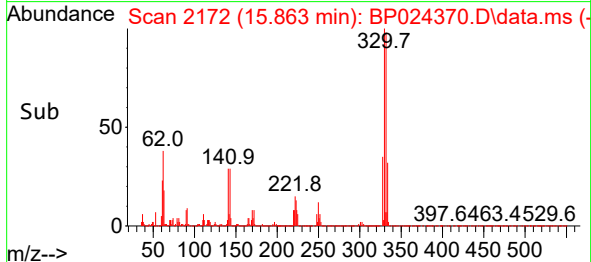
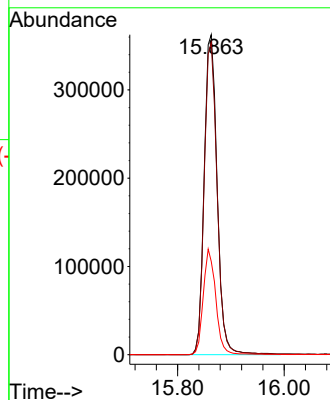
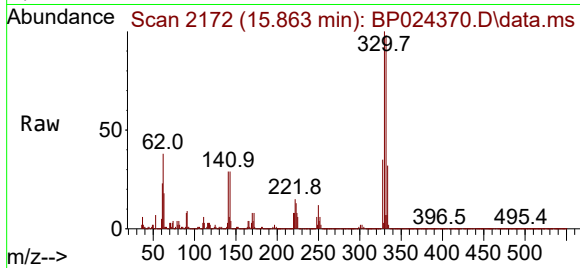
Tgt Ion:330 Resp: 612531

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 31.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 61.786 ng

RT: 12.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

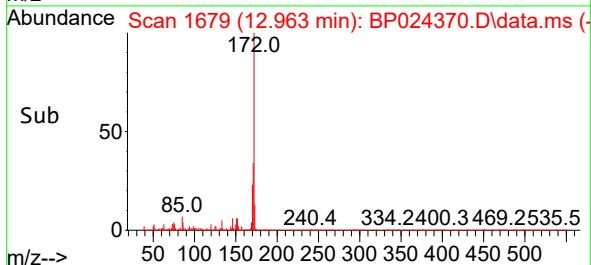
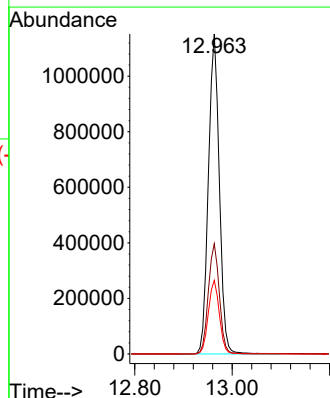
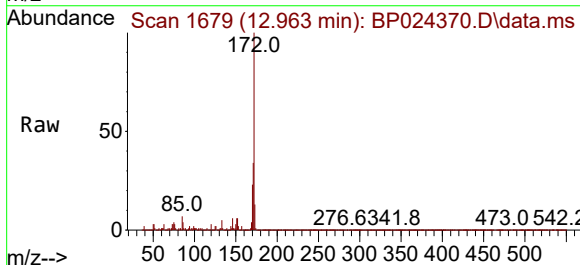
Tgt Ion:172 Resp: 1784183

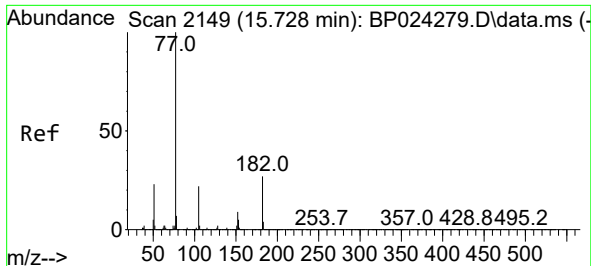
Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.2

170 23.0 18.6 27.8

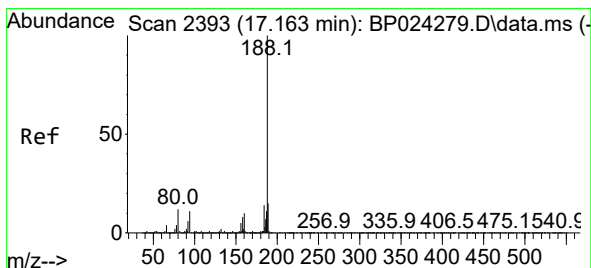
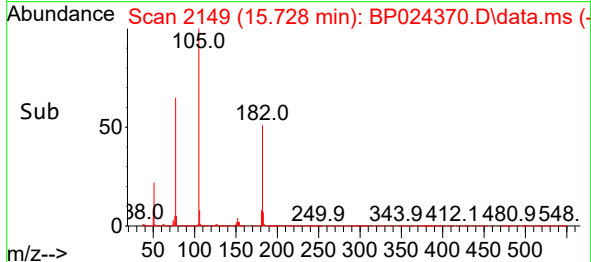
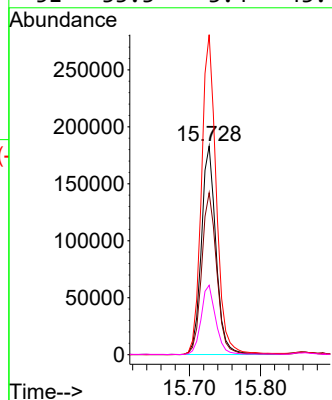
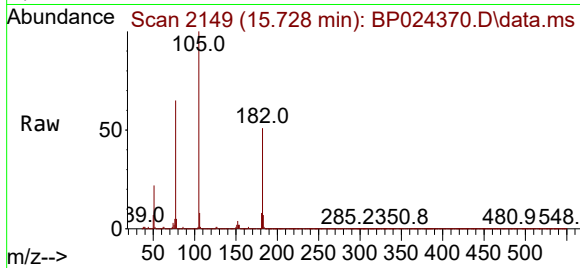




#63
Azobenzene
Concen: 8.653 ng
RT: 15.728 min Scan# 2149
Delta R.T. 0.018 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

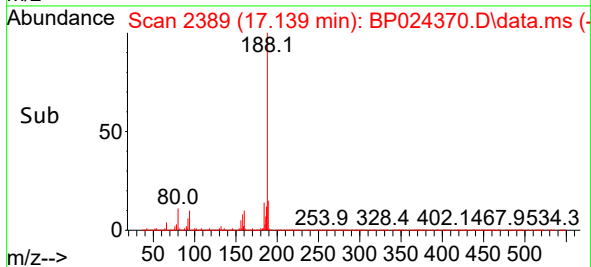
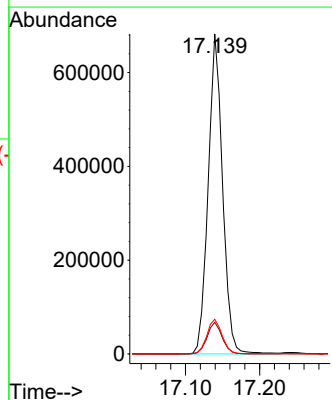
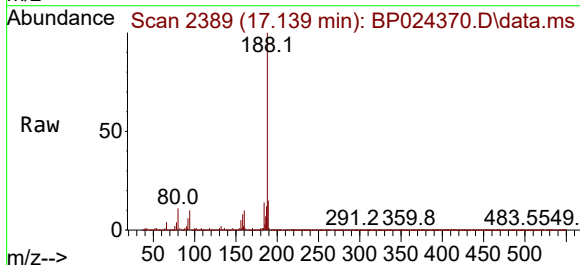
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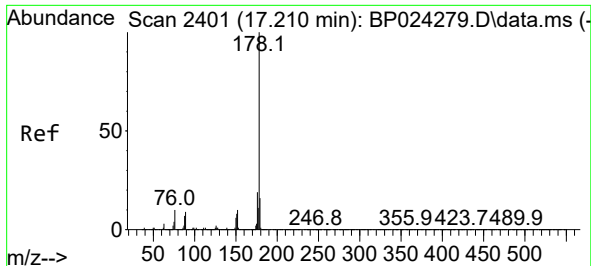
Tgt Ion: 77 Resp: 263531
Ion Ratio Lower Upper
77 100
182 77.6 7.3 47.3#
105 153.4 2.3 42.3#
51 33.3 3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

Tgt Ion: 188 Resp: 921523
Ion Ratio Lower Upper
188 100
94 9.9 8.6 13.0
80 10.9 9.8 14.6

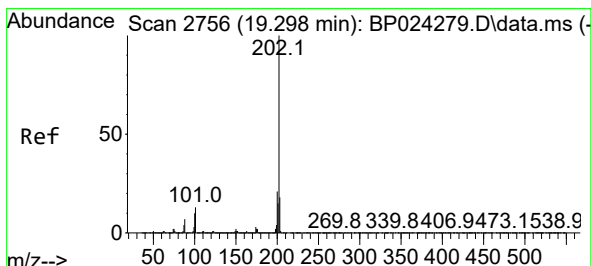
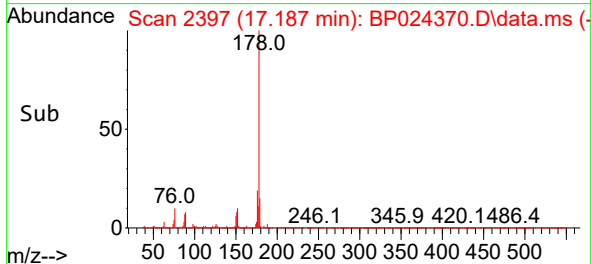
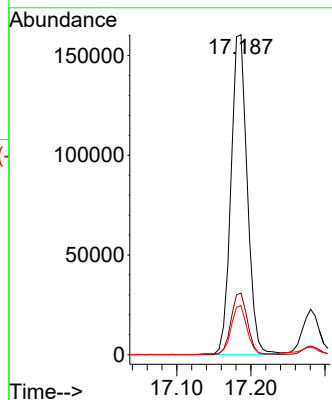
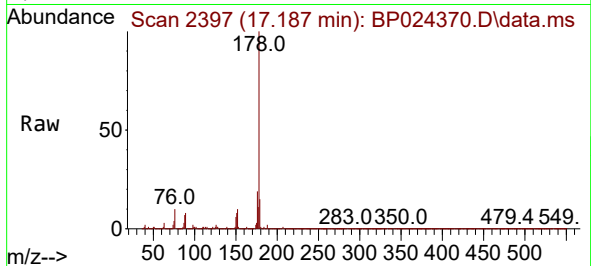




#71
Phenanthrene
Concen: 4.862 ng
RT: 17.187 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

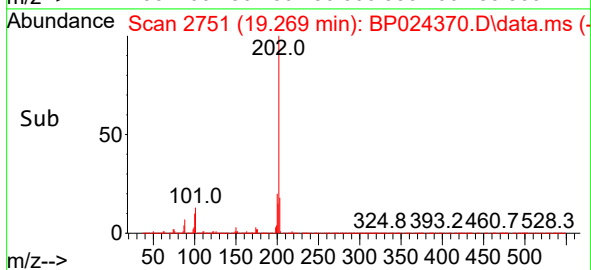
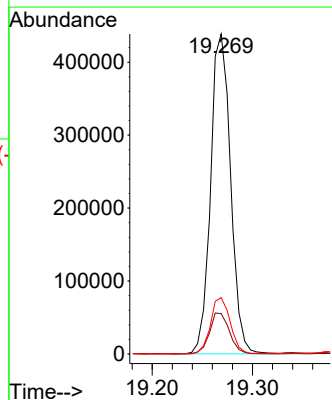
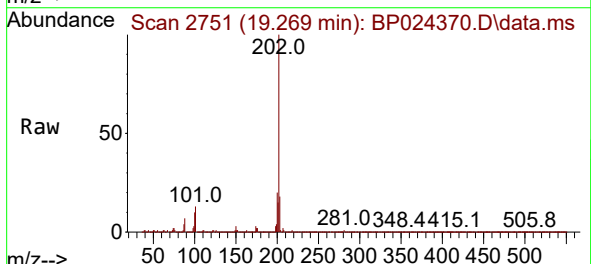
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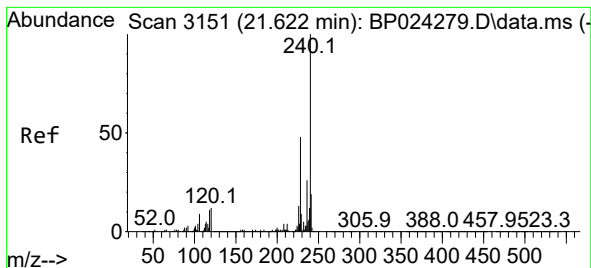
Tgt Ion:178 Resp: 244442
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.5 18.7



#75
Fluoranthene
Concen: 10.160 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.012 min
Lab File: BP024370.D
Acq: 21 Apr 2025 20:20

Tgt Ion:202 Resp: 607482
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-09

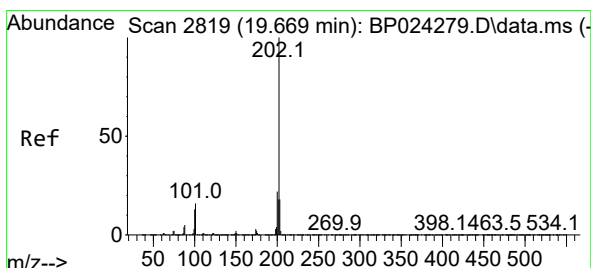
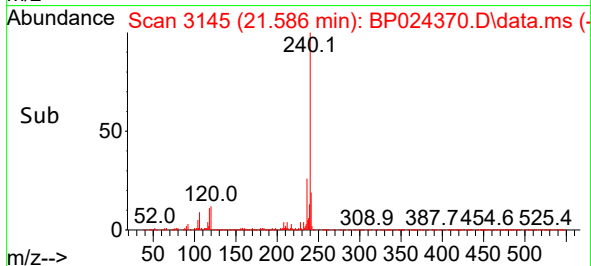
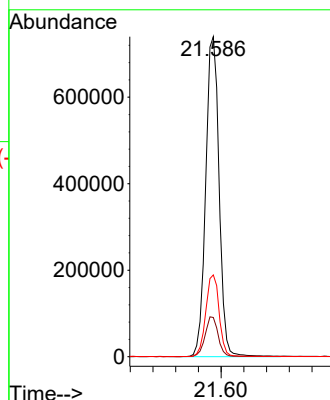
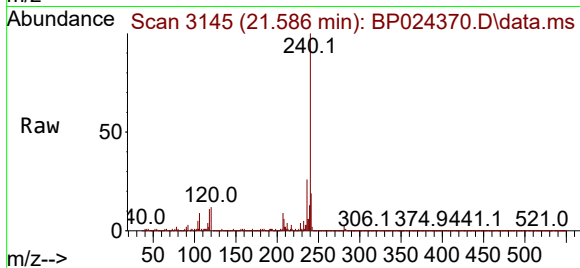
Tgt Ion:240 Resp: 1204159

Ion Ratio Lower Upper

240 100

120 12.2 9.8 14.8

236 25.6 20.9 31.3



#78

Pyrene

Concen: 6.840 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

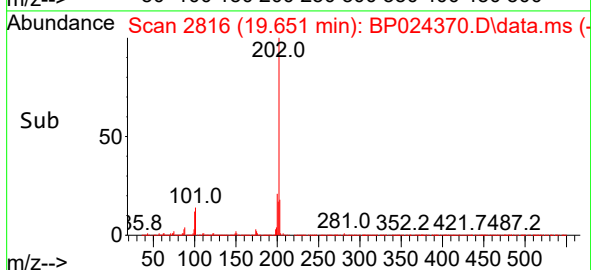
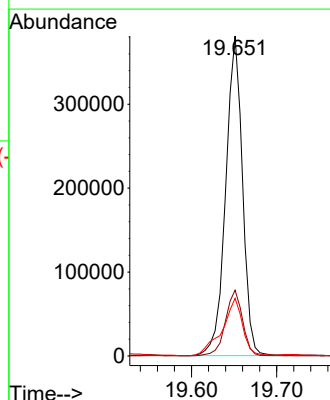
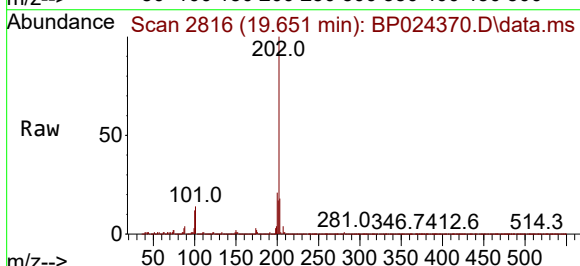
Tgt Ion:202 Resp: 523423

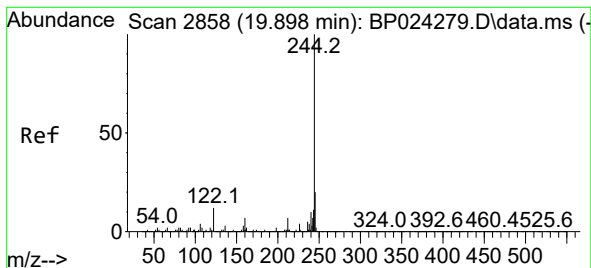
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 54.707 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-09

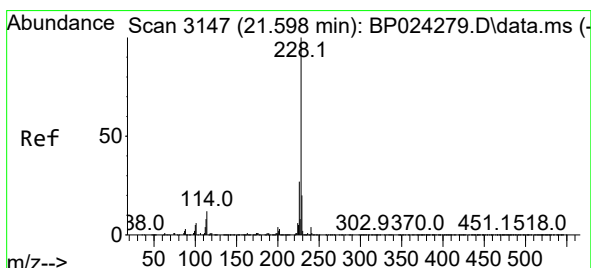
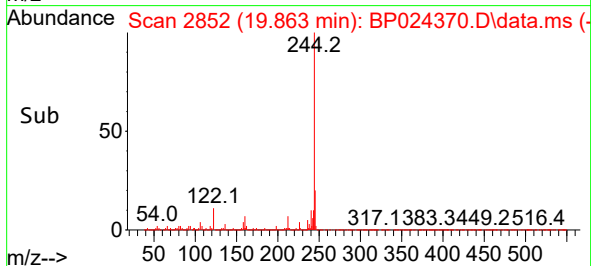
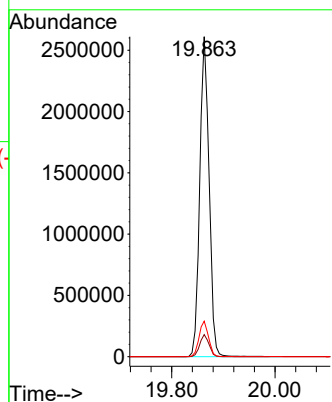
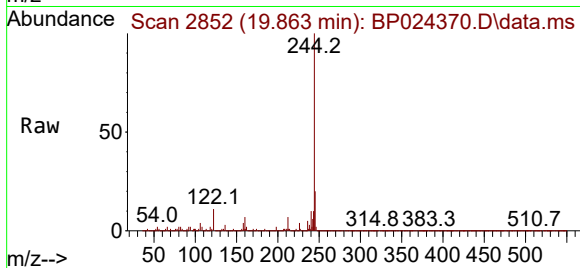
Tgt Ion:244 Resp: 3268224

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 11.1 9.4 14.0



#81

Benzo(a)anthracene

Concen: 3.489 ng

RT: 21.563 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

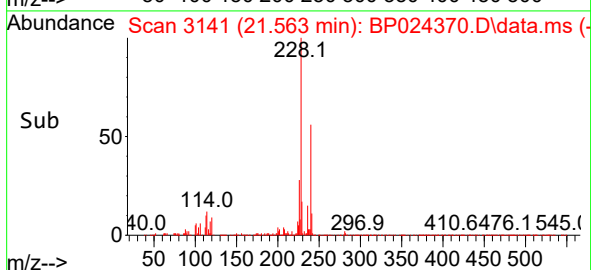
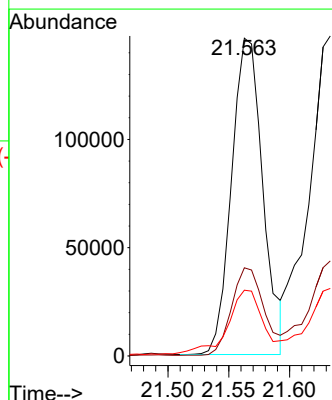
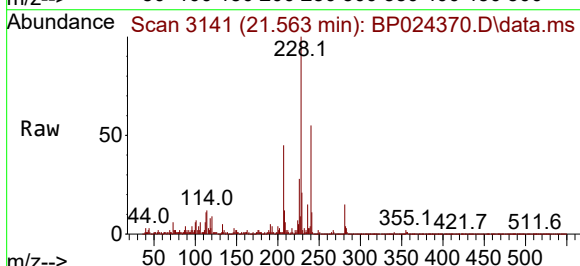
Tgt Ion:228 Resp: 261148

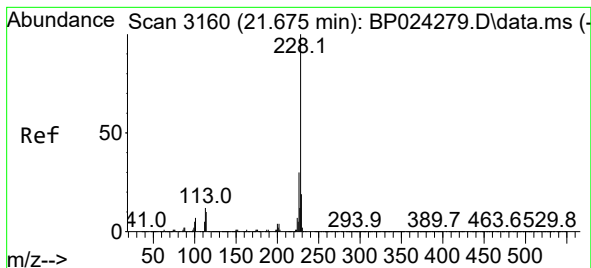
Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

229 20.7 15.9 23.9





#83

Chrysene

Concen: 4.108 ng

RT: 21.633 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-09

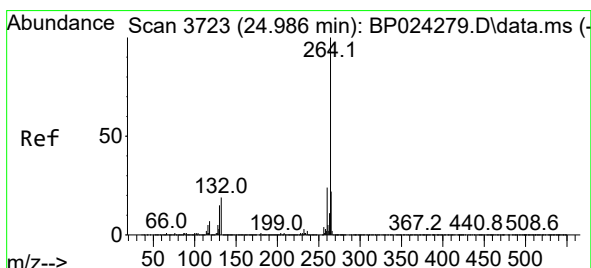
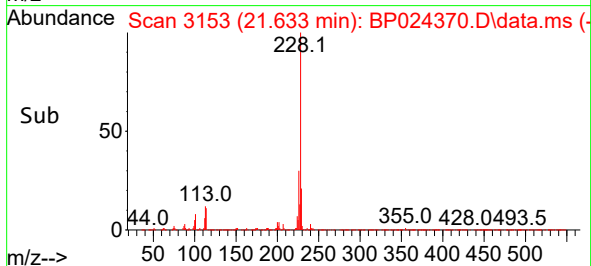
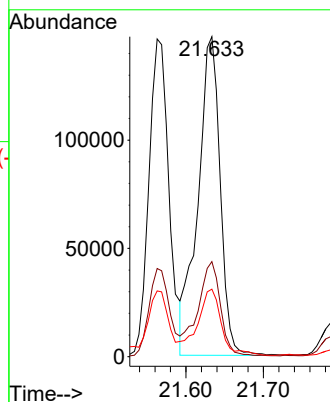
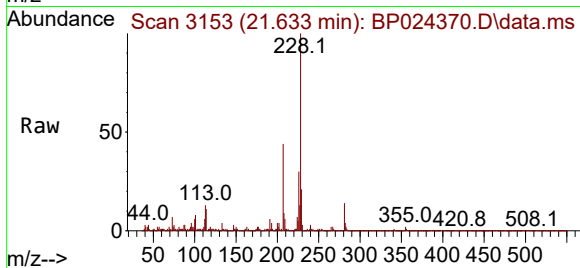
Tgt Ion:228 Resp: 294603

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

229 21.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.939 min Scan# 3715

Delta R.T. 0.006 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

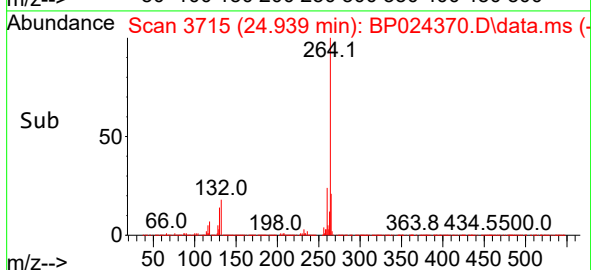
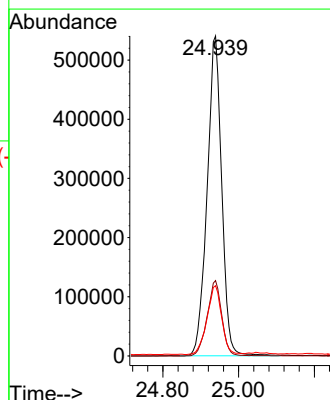
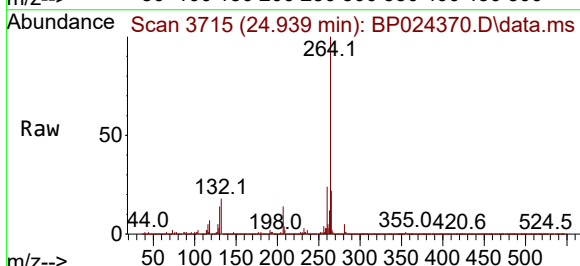
Tgt Ion:264 Resp: 1440323

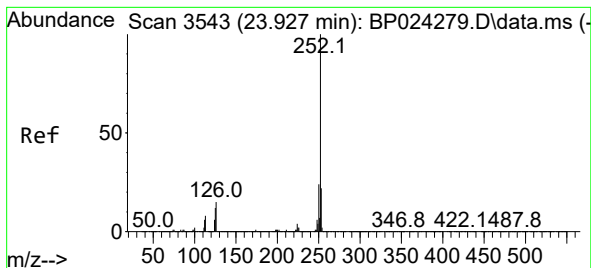
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.0 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 4.776 ng

RT: 23.869 min Scan# 3

Delta R.T. -0.017 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-09

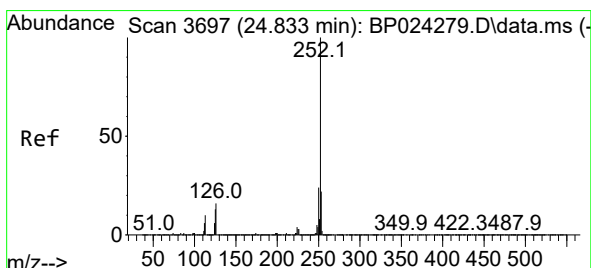
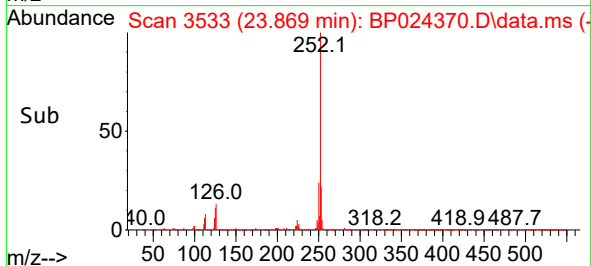
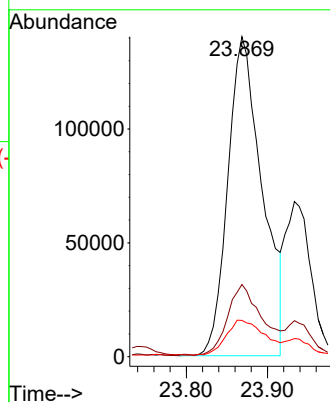
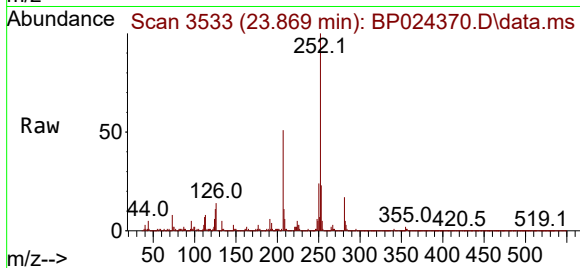
Tgt Ion:252 Resp: 412365

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.4 9.4 14.0



#90

Benzo(a)pyrene

Concen: 3.453 ng

RT: 24.774 min Scan# 3687

Delta R.T. -0.006 min

Lab File: BP024370.D

Acq: 21 Apr 2025 20:20

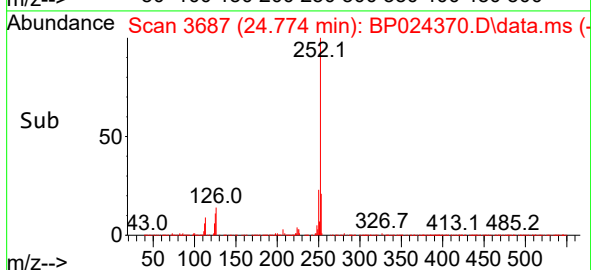
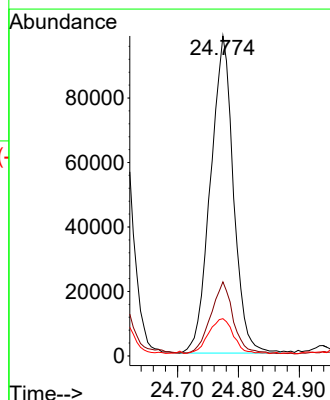
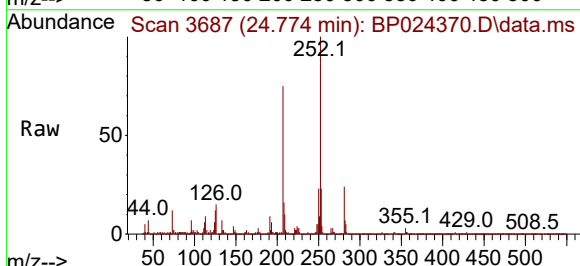
Tgt Ion:252 Resp: 257158

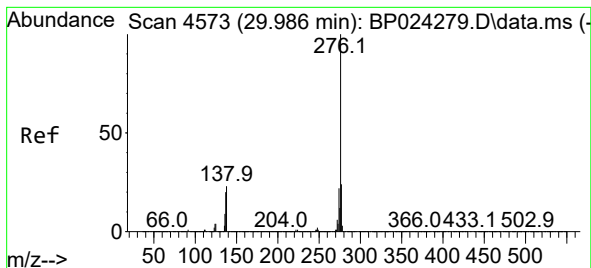
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 11.7 10.1 15.1





#92

Benzo(g,h,i)perylene

Concen: 2.045 ng

RT: 29.868 min Scan# 4

Delta R.T. -0.029 min

Lab File: BP024370.D

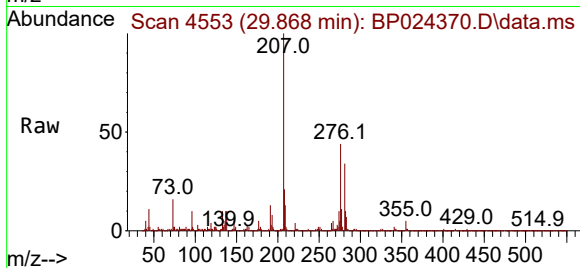
Acq: 21 Apr 2025 20:20

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-09



Tgt Ion:276 Resp: 172794

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 22.6 18.7 28.1

