

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
 Data File : BP024348.D
 Acq On : 18 Apr 2025 18:48
 Operator : RC/JU
 Sample : Q1828-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT4643

Quant Time: Apr 19 01:01:56 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)

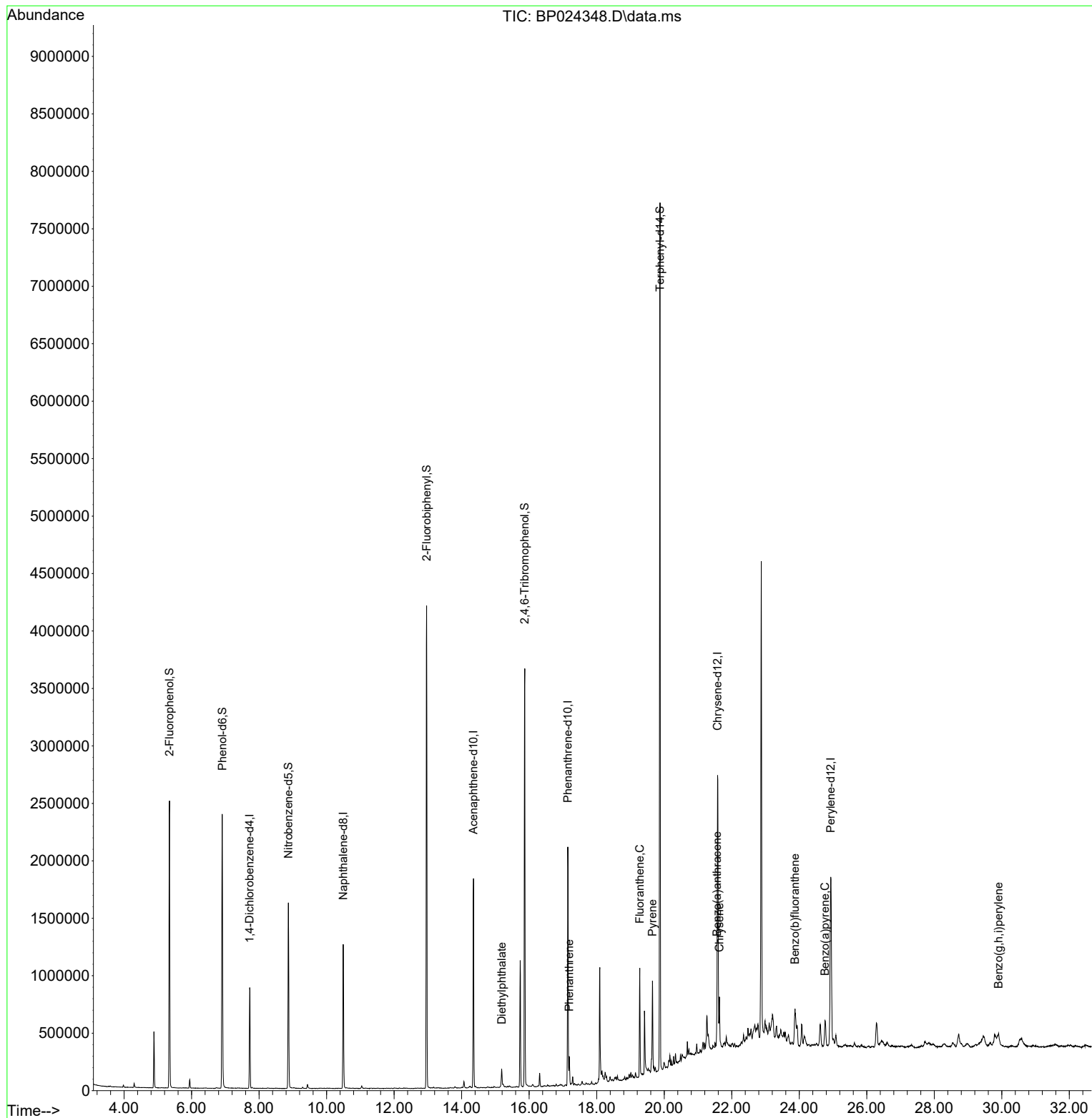
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	243246	20.000	ng	0.00
21) Naphthalene-d8	10.493	136	975193	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	591694	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1193846	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1370196	20.000	ng	-0.01
86) Perylene-d12	24.933	264	1581462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1166900	79.320	ng	0.00
7) Phenol-d6	6.911	99	1548747	76.884	ng	0.00
23) Nitrobenzene-d5	8.869	82	931826	54.485	ng	0.00
42) 2,4,6-Tribromophenol	15.869	330	730720	89.260	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	2149135	55.613	ng	0.00
79) Terphenyl-d14	19.875	244	3820332	56.199	ng	0.00
Target Compounds						
						Qvalue
60) Diethylphthalate	15.187	149	137358	3.098	ng	99
71) Phenanthrene	17.186	178	147144	2.259	ng	100
75) Fluoranthene	19.275	202	523322	6.756	ng	99
78) Pyrene	19.651	202	479651	5.508	ng	99
81) Benzo(a)anthracene	21.563	228	245997	2.888	ng	98
83) Chrysene	21.633	228	281824	3.454	ng	98
88) Benzo(b)fluoranthene	23.874	252	400214	4.222	ng	99
90) Benzo(a)pyrene	24.763	252	247205	3.023	ng	98
92) Benzo(g,h,i)perylene	29.903	276	185707	2.002	ng	98

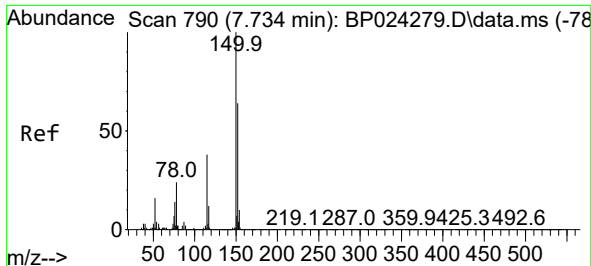
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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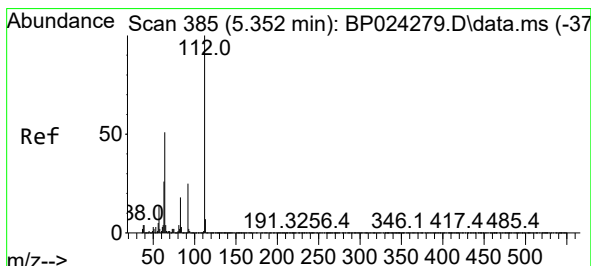
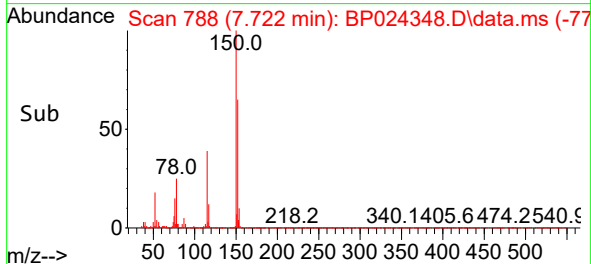
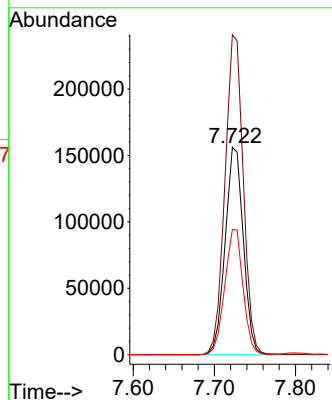
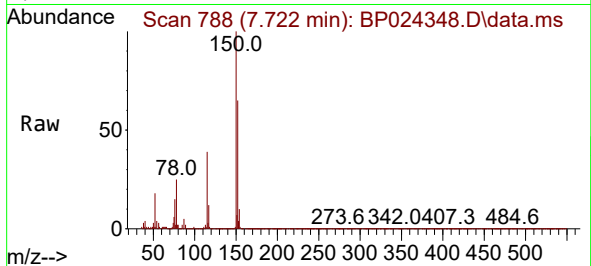




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

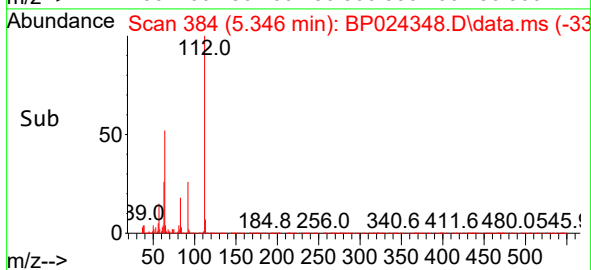
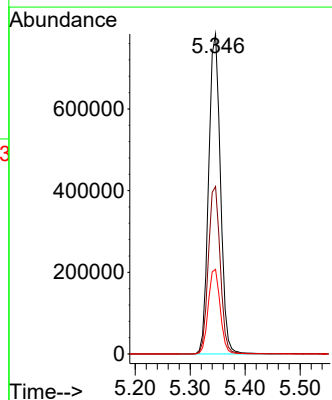
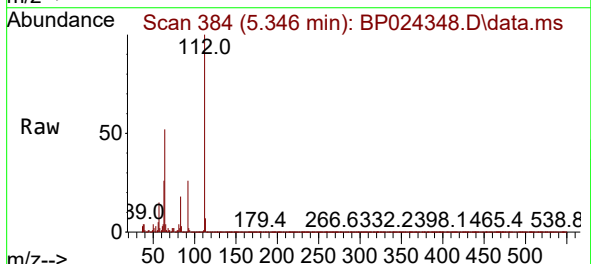
Instrument :
BNA_P
ClientSampleId :
RT4643

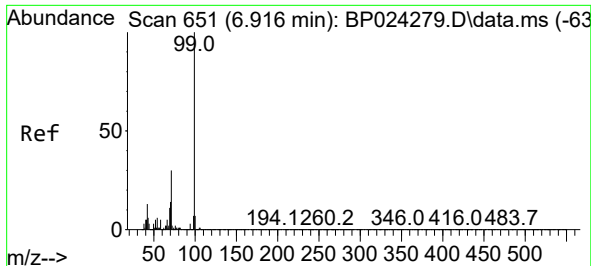
Tgt Ion:152 Resp: 243246
Ion Ratio Lower Upper
152 100
150 154.4 124.9 187.3
115 60.4 47.7 71.5



#5
2-Fluorophenol
Concen: 79.320 ng
RT: 5.346 min Scan# 384
Delta R.T. 0.000 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

Tgt Ion:112 Resp: 1166900
Ion Ratio Lower Upper
112 100
64 52.4 41.1 61.7
63 26.4 20.6 30.8

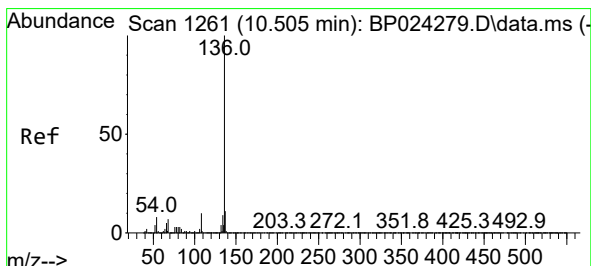
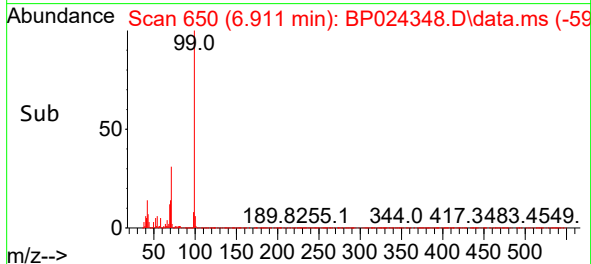
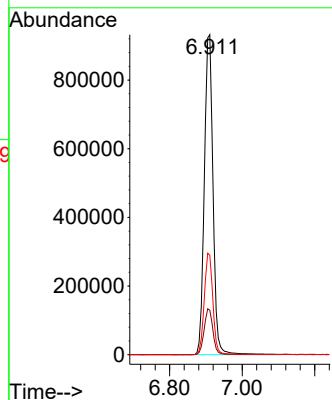
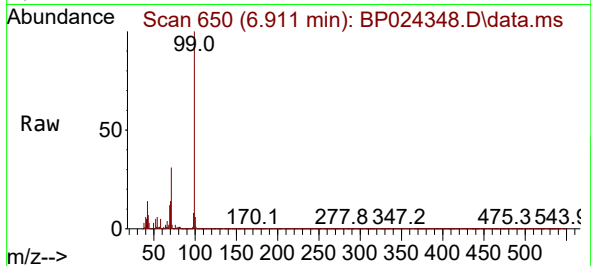




#7
Phenol-d6
Concen: 76.884 ng
RT: 6.911 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

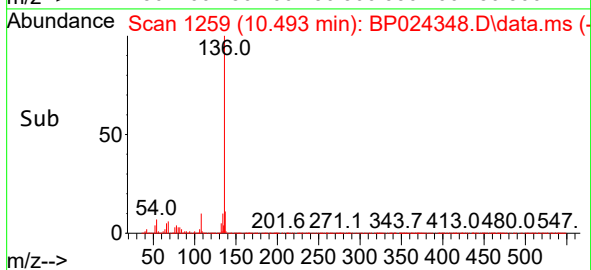
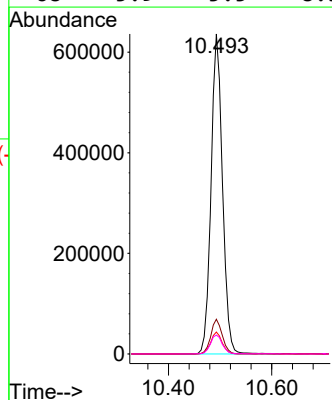
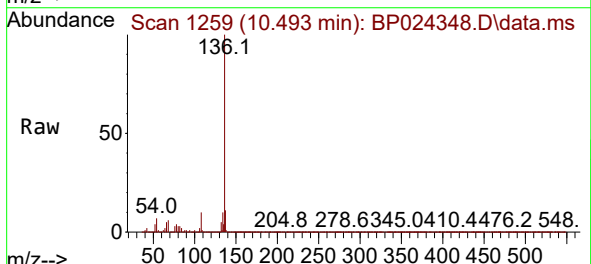
Instrument :
BNA_P
ClientSampleId :
RT4643

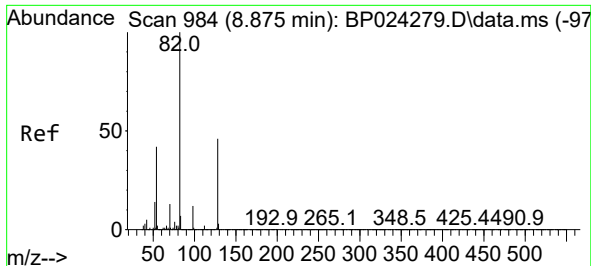
Tgt Ion: 99 Resp: 1548747
Ion Ratio Lower Upper
99 100
42 13.9 10.6 16.0
71 31.1 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

Tgt Ion: 136 Resp: 975193
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 6.8 6.0 9.0
68 5.9 5.5 8.3

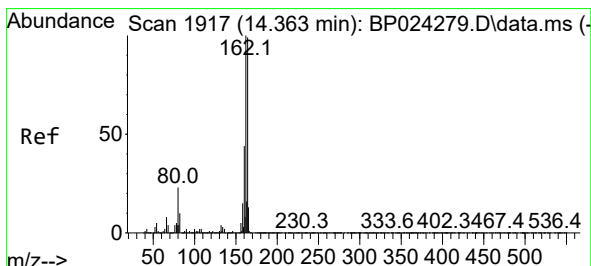
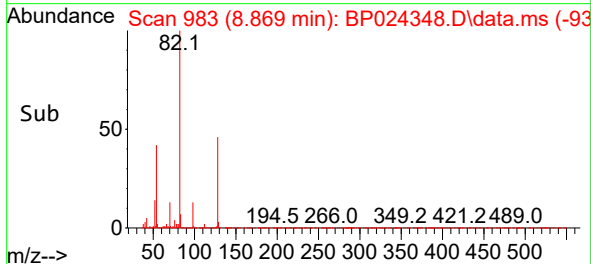
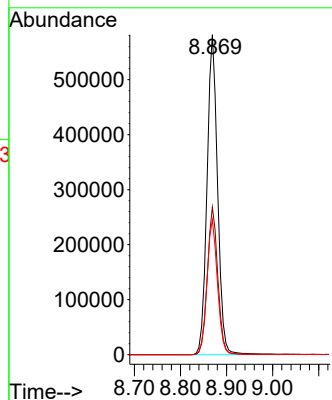
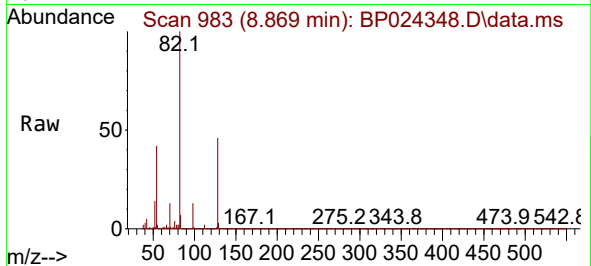




#23
Nitrobenzene-d5
Concen: 54.485 ng
RT: 8.869 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

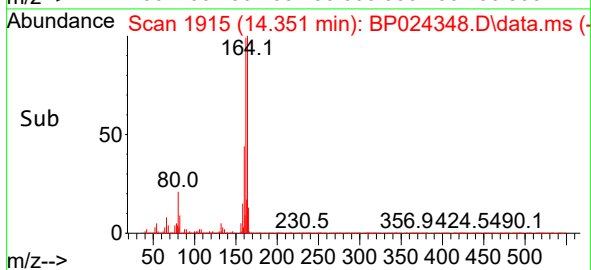
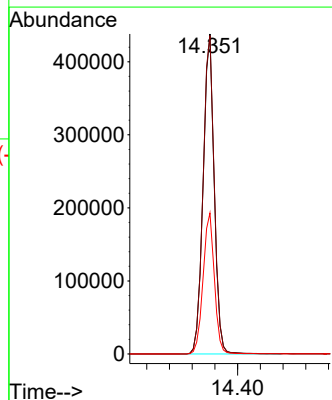
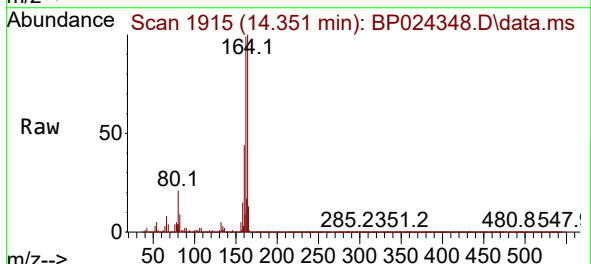
Instrument :
BNA_P
ClientSampleId :
RT4643

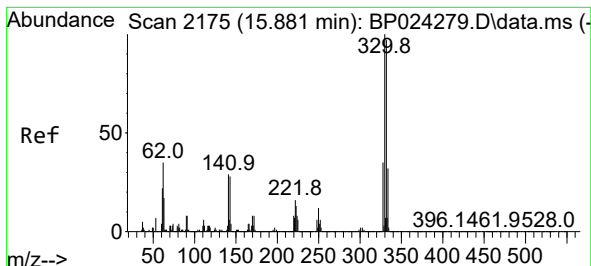
Tgt Ion: 82 Resp: 931826
Ion Ratio Lower Upper
82 100
128 46.1 36.5 54.7
54 42.1 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

Tgt Ion: 164 Resp: 591694
Ion Ratio Lower Upper
164 100
162 99.5 80.6 120.8
160 44.0 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 89.260 ng

RT: 15.869 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA_P

ClientSampleId :

RT4643

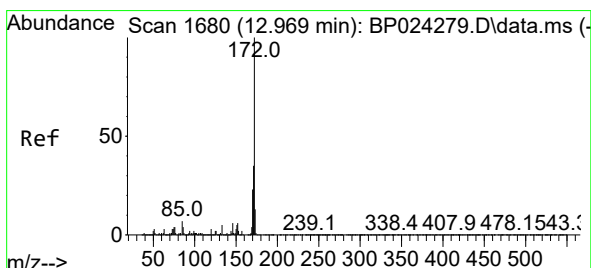
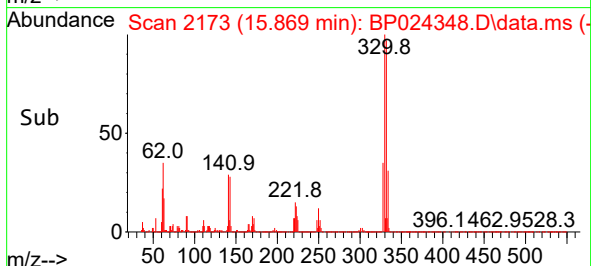
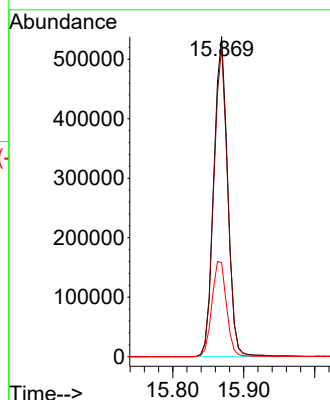
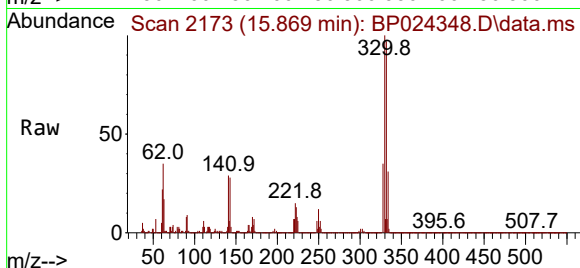
Tgt Ion:330 Resp: 730720

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 31.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 55.613 ng

RT: 12.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

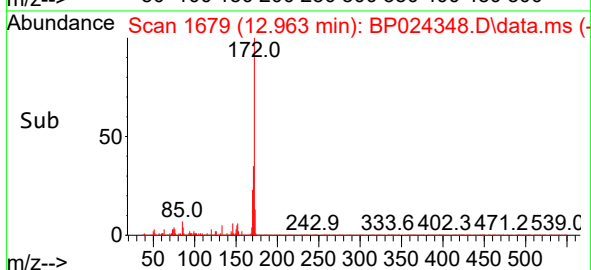
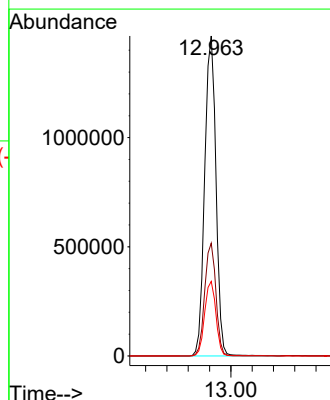
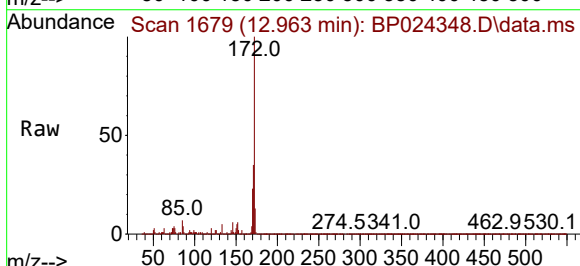
Tgt Ion:172 Resp: 2149135

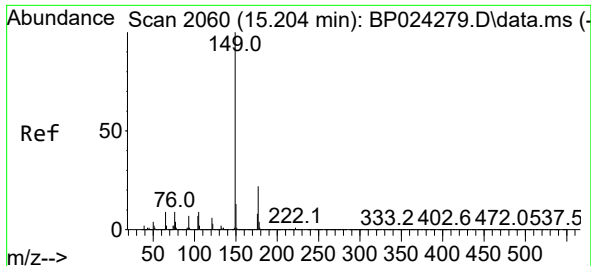
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.3 18.6 27.8

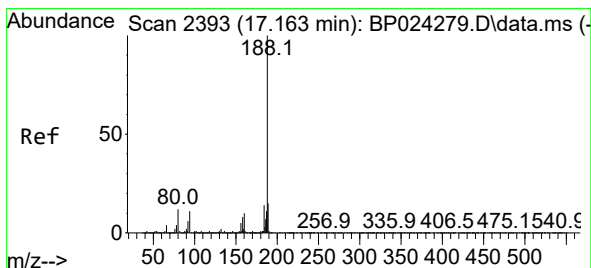
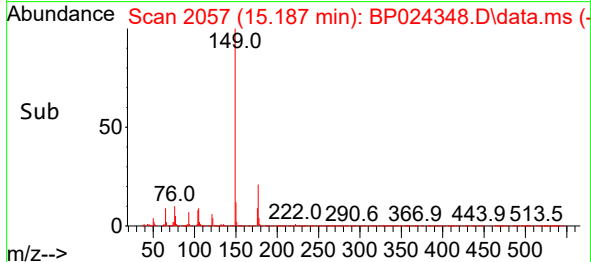
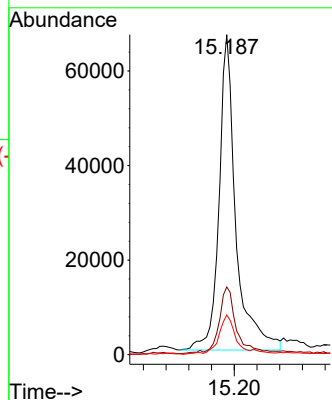
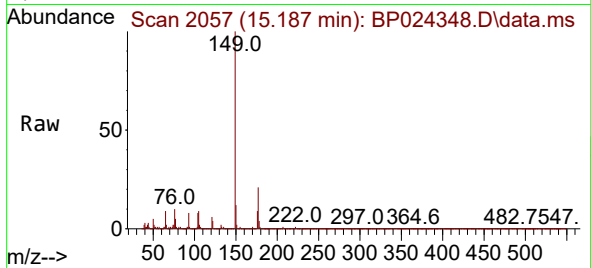




#60
Diethylphthalate
Concen: 3.098 ng
RT: 15.187 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

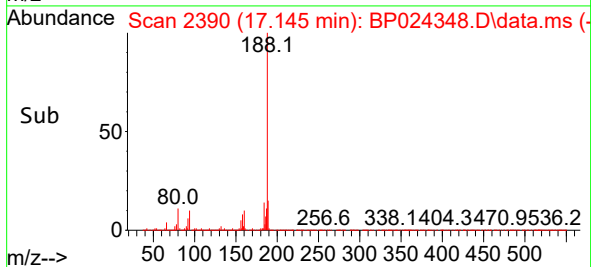
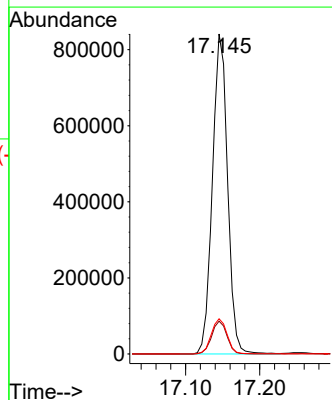
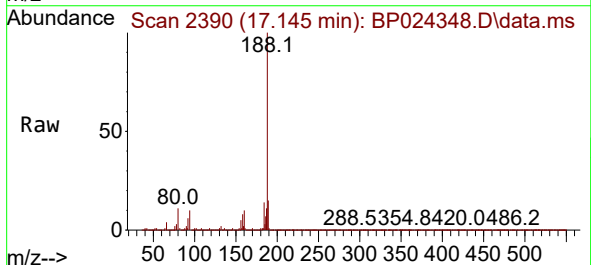
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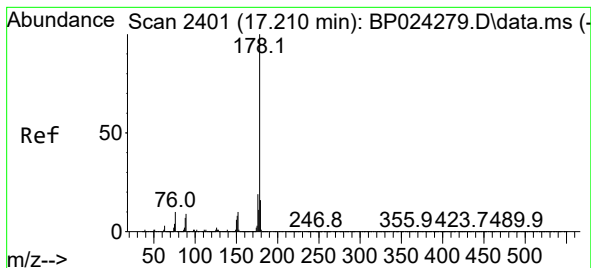
Tgt Ion:149 Resp: 137358
Ion Ratio Lower Upper
149 100
177 21.2 17.4 26.2
150 12.4 10.1 15.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.000 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

Tgt Ion:188 Resp: 1193846
Ion Ratio Lower Upper
188 100
94 10.3 8.6 13.0
80 11.0 9.8 14.6





#71

Phenanthrene

Concen: 2.259 ng

RT: 17.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA_P

ClientSampleId :

RT4643

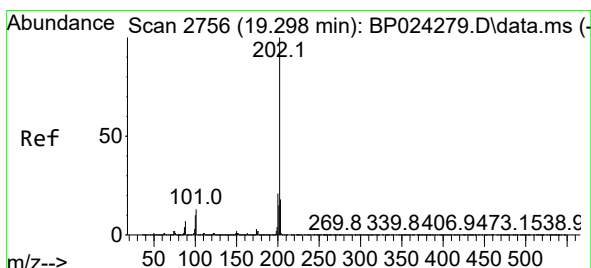
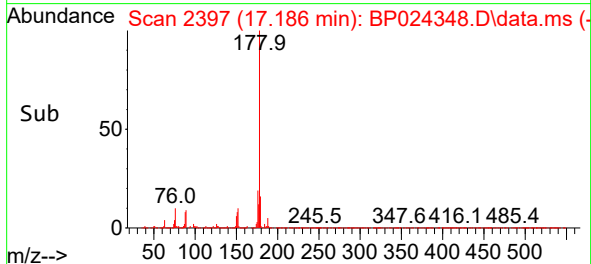
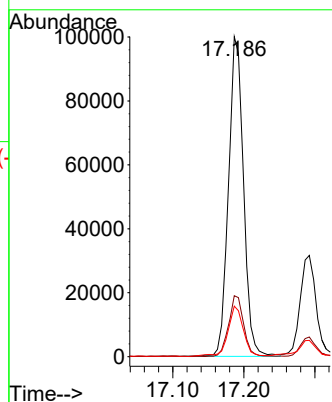
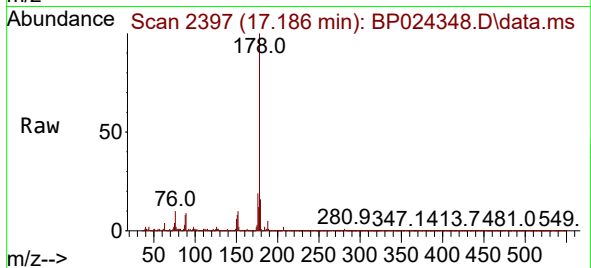
Tgt Ion:178 Resp: 147144

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.8 12.5 18.7



#75

Fluoranthene

Concen: 6.756 ng

RT: 19.275 min Scan# 2752

Delta R.T. -0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

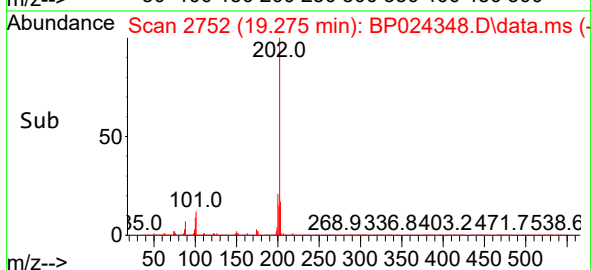
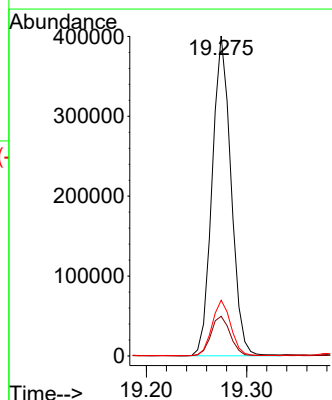
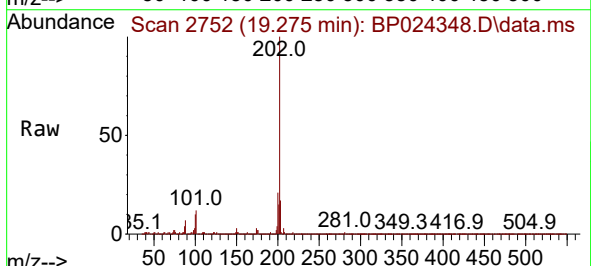
Tgt Ion:202 Resp: 523322

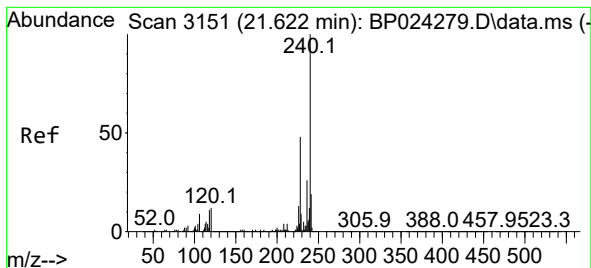
Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

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ClientSampleId :

RT4643

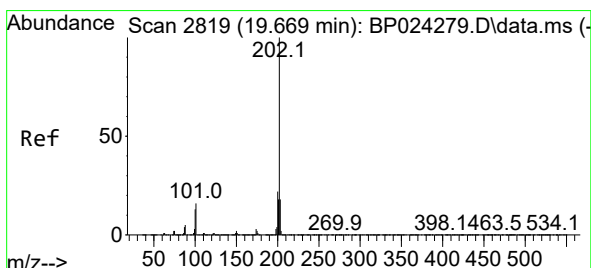
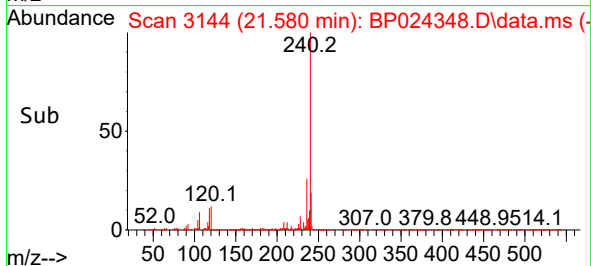
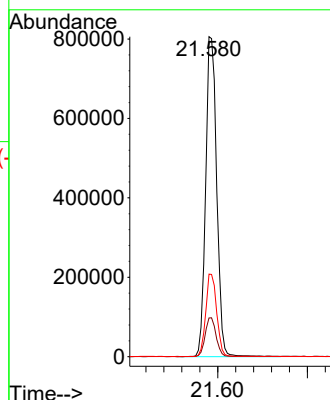
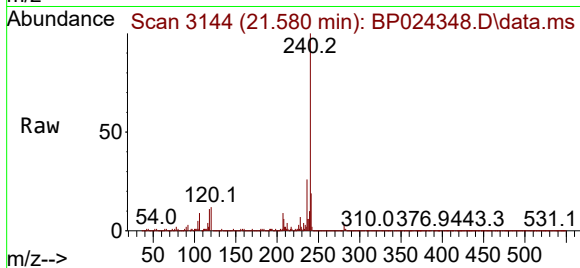
Tgt Ion:240 Resp: 1370196

Ion Ratio Lower Upper

240 100

120 12.1 9.8 14.8

236 25.8 20.9 31.3



#78

Pyrene

Concen: 5.508 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

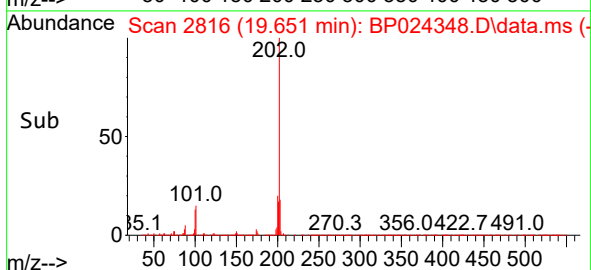
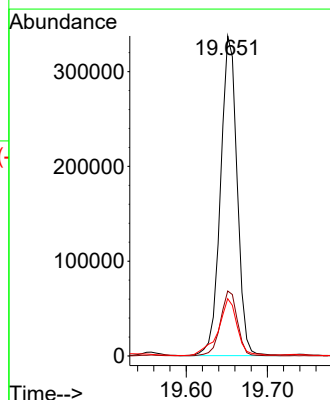
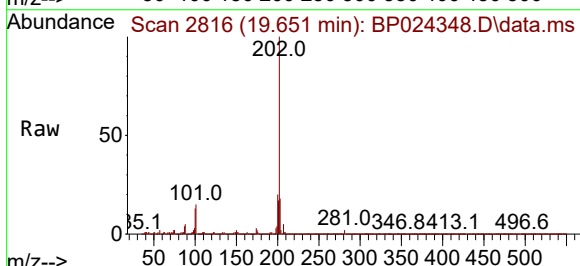
Tgt Ion:202 Resp: 479651

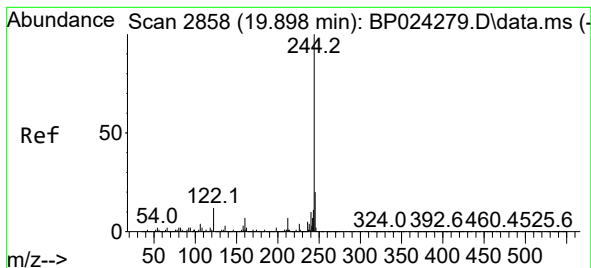
Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 56.199 ng

RT: 19.875 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA_P

ClientSampleId :

RT4643

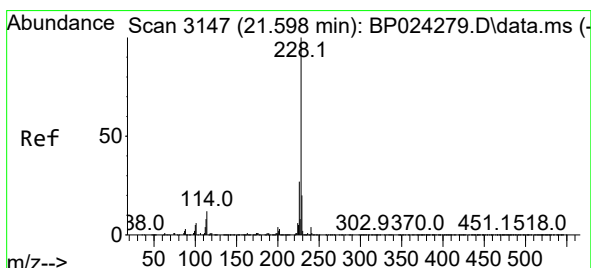
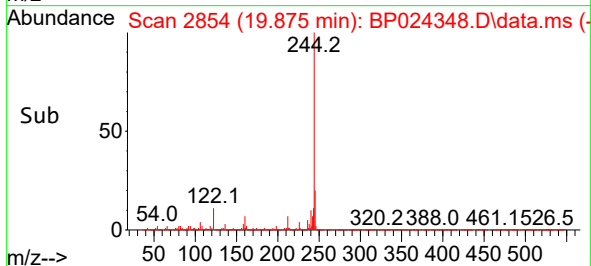
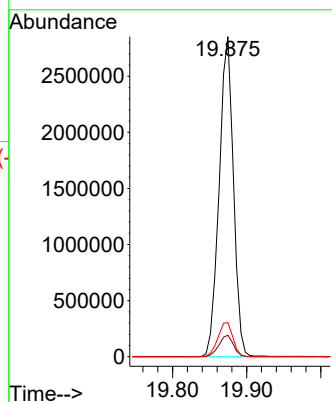
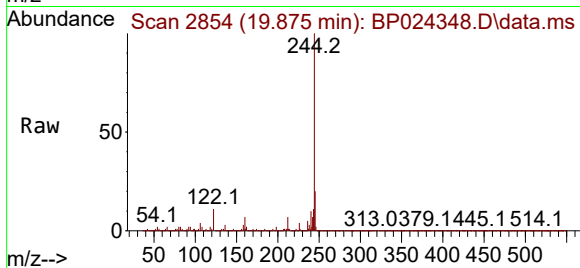
Tgt Ion:244 Resp: 3820332

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.7 9.4 14.0



#81

Benzo(a)anthracene

Concen: 2.888 ng

RT: 21.563 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

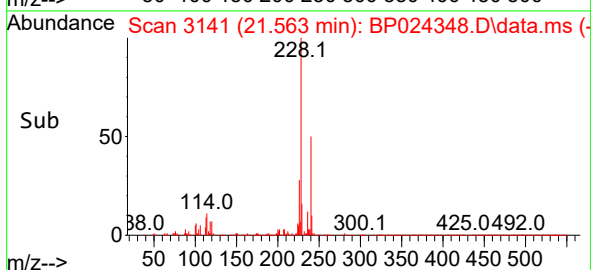
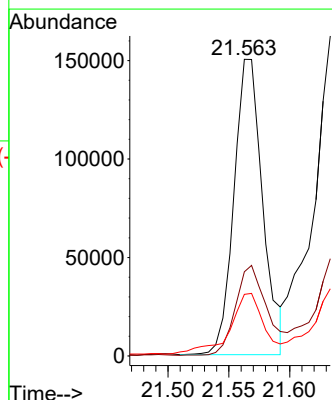
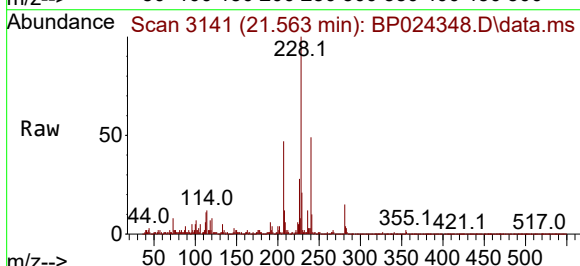
Tgt Ion:228 Resp: 245997

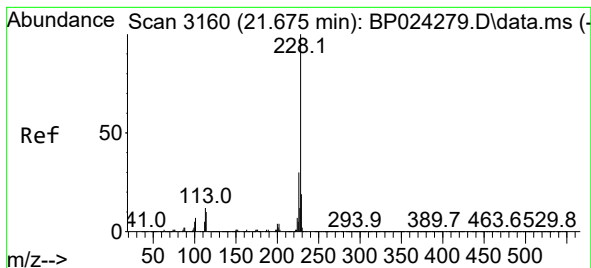
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 20.8 15.9 23.9





#83

Chrysene

Concen: 3.454 ng

RT: 21.633 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA_P

ClientSampleId :

RT4643

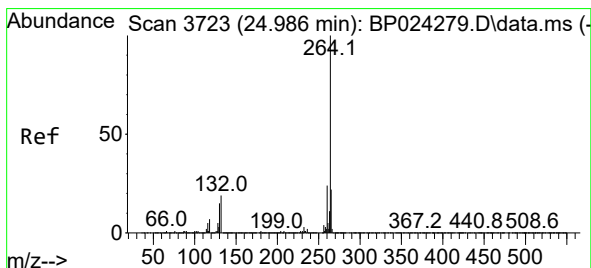
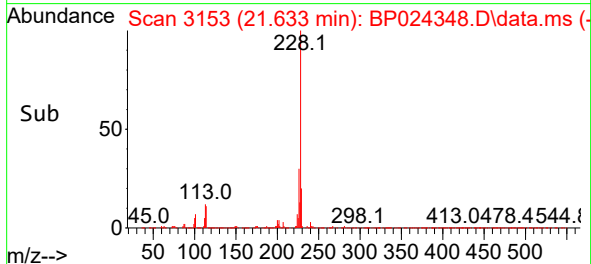
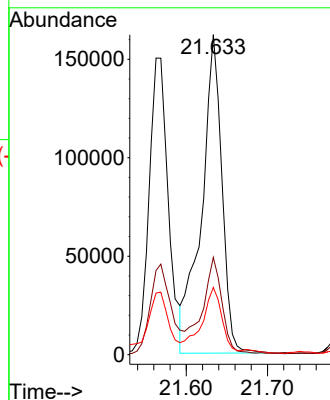
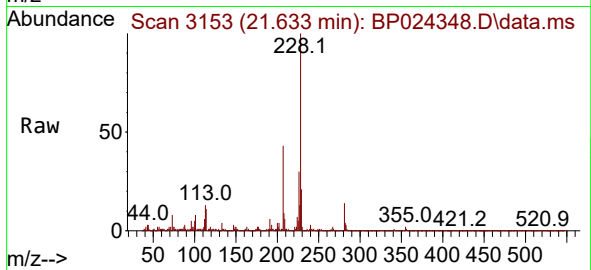
Tgt Ion:228 Resp: 281824

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.933 min Scan# 3714

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

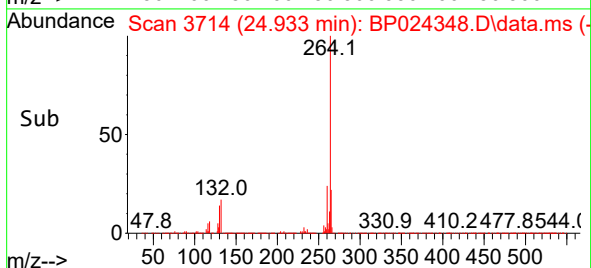
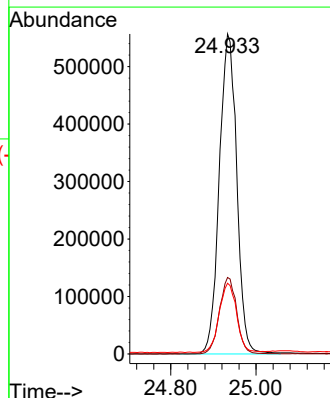
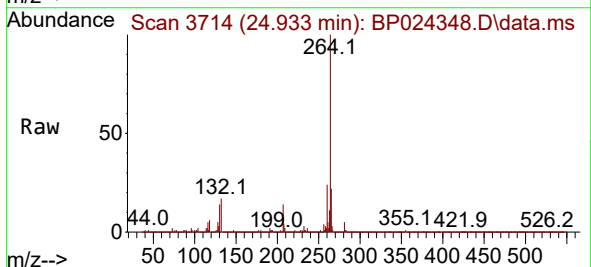
Tgt Ion:264 Resp: 1581462

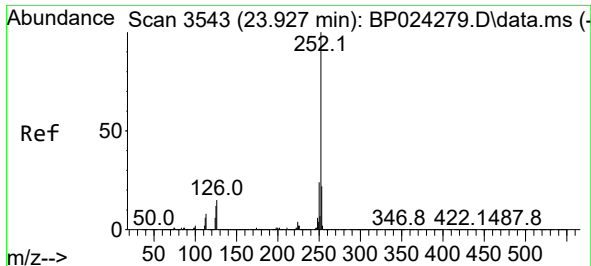
Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 22.1 17.8 26.6

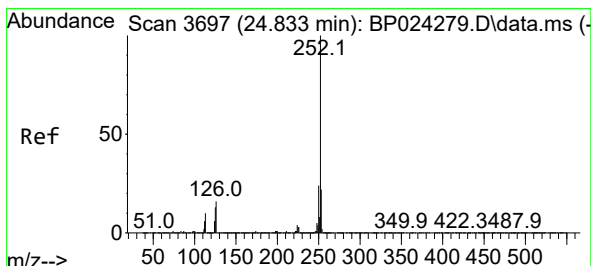
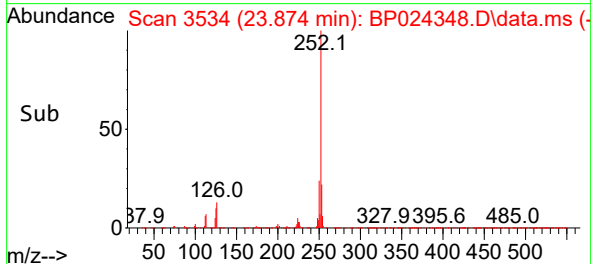
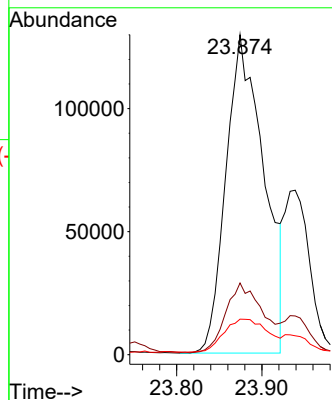
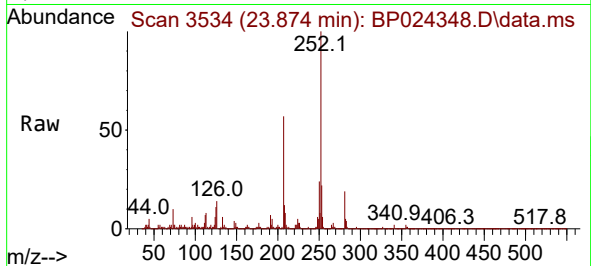




#88
Benzo(b)fluoranthene
Concen: 4.222 ng
RT: 23.874 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

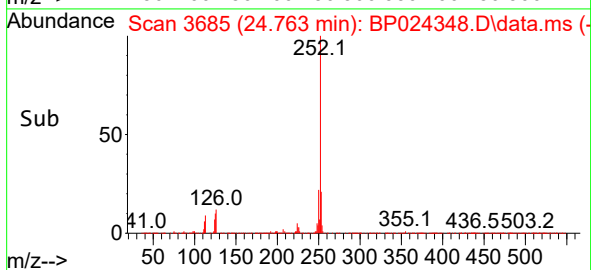
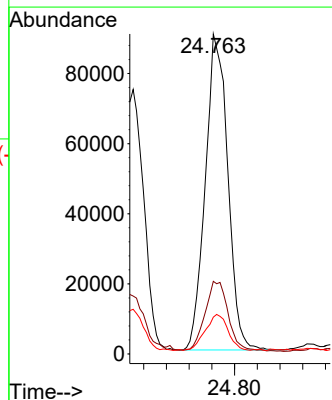
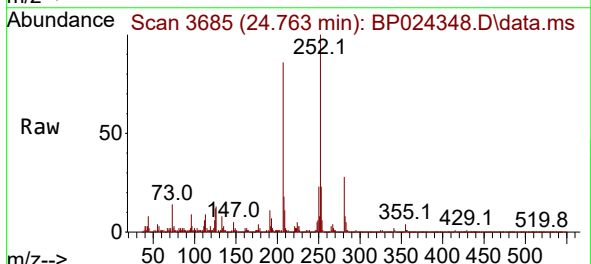
Instrument :
BNA_P
ClientSampleId :
RT4643

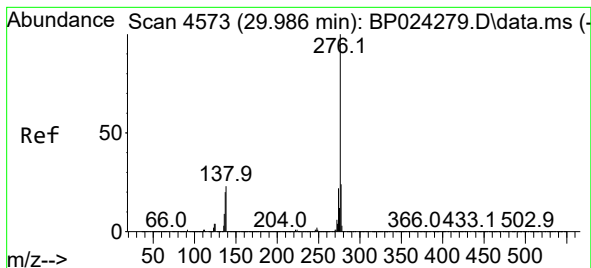
Tgt Ion:252 Resp: 400214
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.1 9.4 14.0



#90
Benzo(a)pyrene
Concen: 3.023 ng
RT: 24.763 min Scan# 3685
Delta R.T. -0.018 min
Lab File: BP024348.D
Acq: 18 Apr 2025 18:48

Tgt Ion:252 Resp: 247205
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 11.5 10.1 15.1





#92

Benzo(g,h,i)perylene

Concen: 2.002 ng

RT: 29.903 min Scan# 4

Delta R.T. 0.006 min

Lab File: BP024348.D

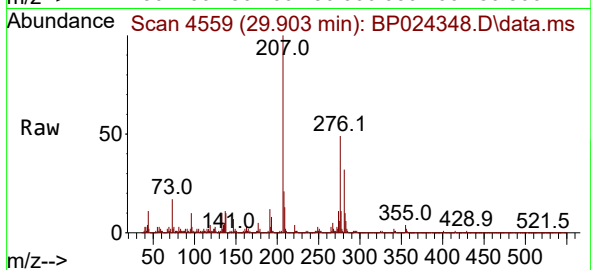
Acq: 18 Apr 2025 18:48

Instrument :

BNA_P

ClientSampleId :

RT4643



Tgt Ion:276 Resp: 185707

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 21.4 18.7 28.1

