

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024324.D
 Acq On : 17 Apr 2025 13:18
 Operator : RC/JU
 Sample : Q1791-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 280722RE

Quant Time: Apr 17 13:48:33 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)

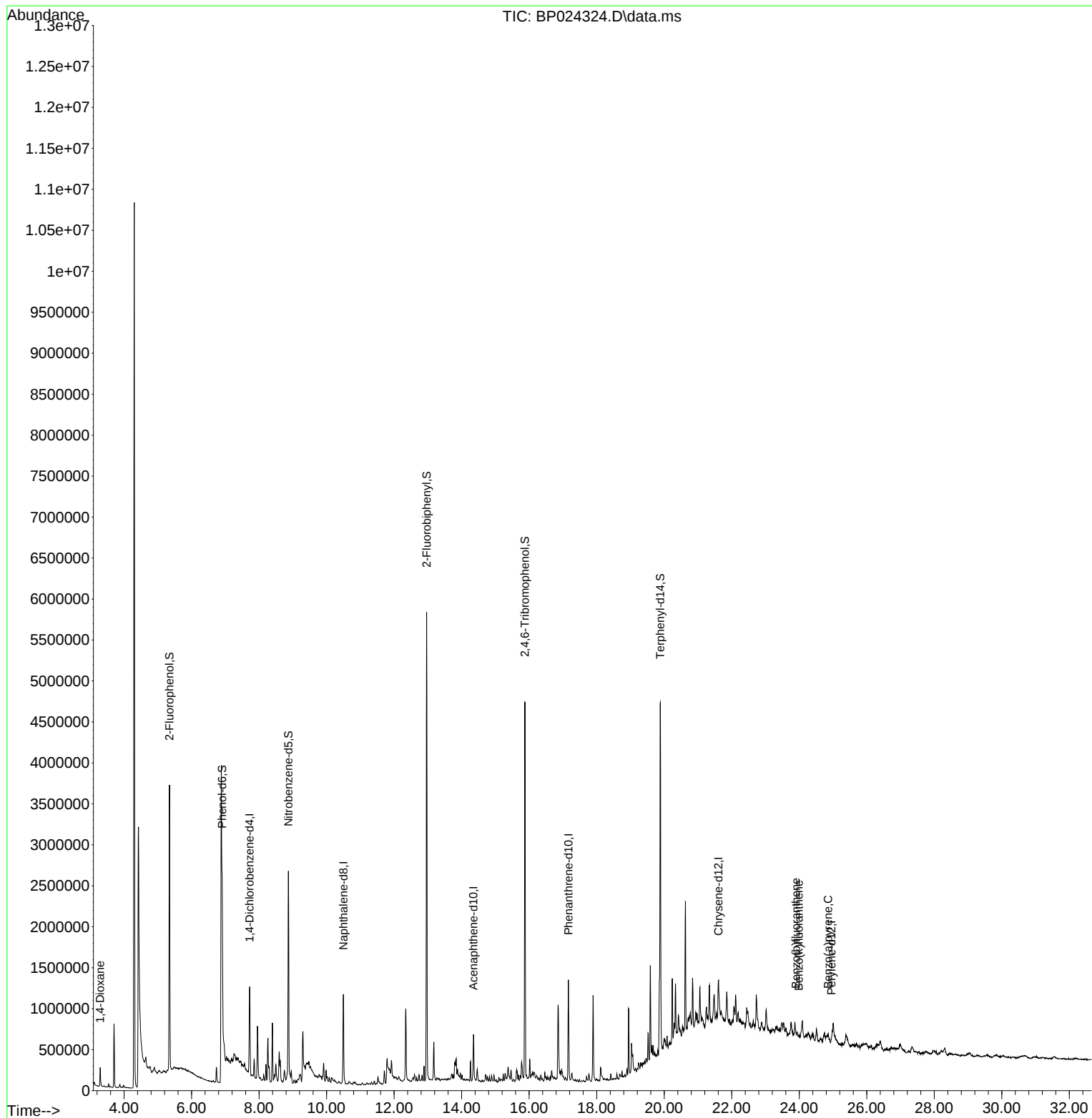
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	232224	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	865213	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	136203	20.000	ng	#-0.02
64) Phenanthrene-d10	17.163	188	575497	20.000	ng	-0.02
76) Chrysene-d12	21.610	240	123856	20.000	ng	#-0.01
86) Perylene-d12	24.951	264	3538	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1537532	109.474	ng	0.00
7) Phenol-d6	6.905	99	706719	36.749	ng	-0.01
23) Nitrobenzene-d5	8.869	82	1457238	96.038	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	906855	481.233	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	2736615	307.633	ng	-0.02
79) Terphenyl-d14	19.880	244	1726096	280.906	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.293	88	143253	24.114	ng	Qvalue 99
88) Benzo(b)fluoranthene	23.904	252	503	2.372	ng	# 1
89) Benzo(k)fluoranthene	23.986	252	847	4.135	ng	# 1
90) Benzo(a)pyrene	24.857	252	399	2.181	ng	# 1

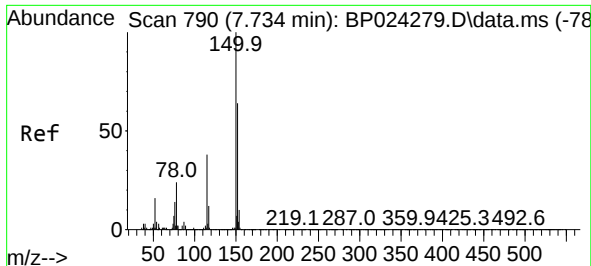
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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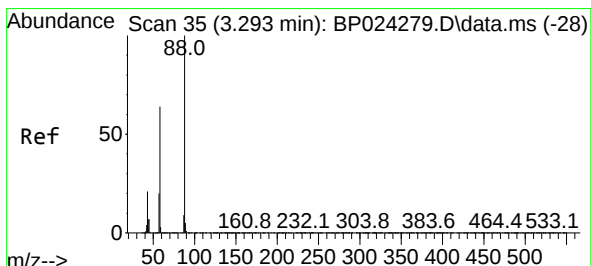
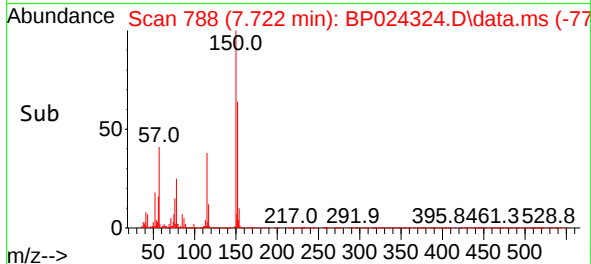
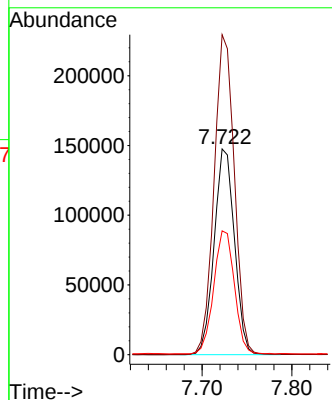
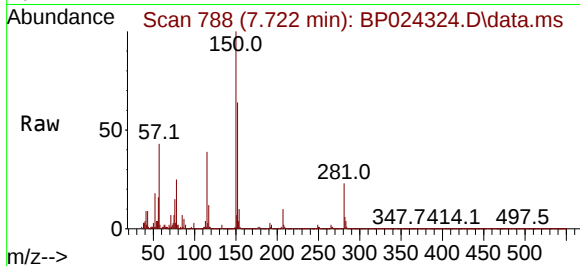




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.722 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP024324.D
 Acq: 17 Apr 2025 13:18

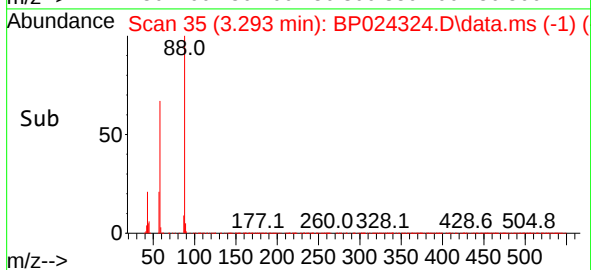
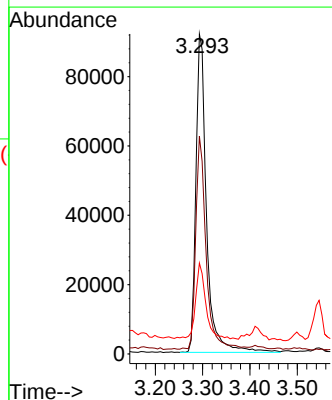
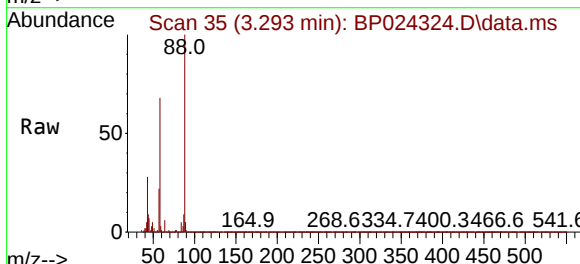
Instrument :
 BNA_P
 ClientSampleId :
 280722RE

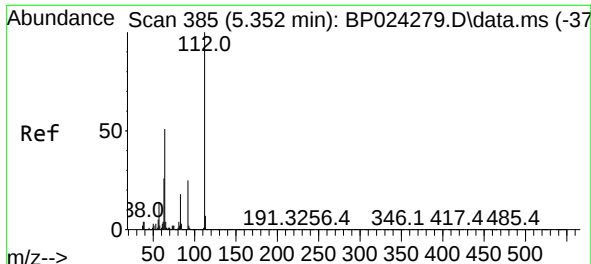
Tgt Ion:152 Resp: 232224
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.9 187.3
 115 60.2 47.7 71.5



#2
 1,4-Dioxane
 Concen: 24.114 ng
 RT: 3.293 min Scan# 35
 Delta R.T. 0.000 min
 Lab File: BP024324.D
 Acq: 17 Apr 2025 13:18

Tgt Ion: 88 Resp: 143253
 Ion Ratio Lower Upper
 88 100
 58 64.8 51.4 77.2
 43 22.4 17.1 25.7

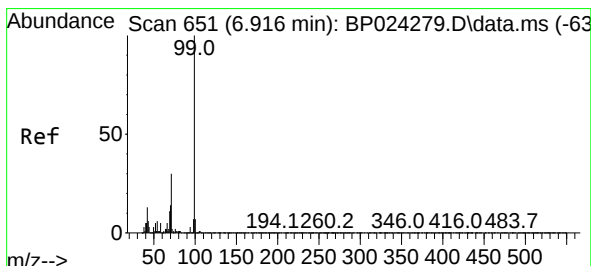
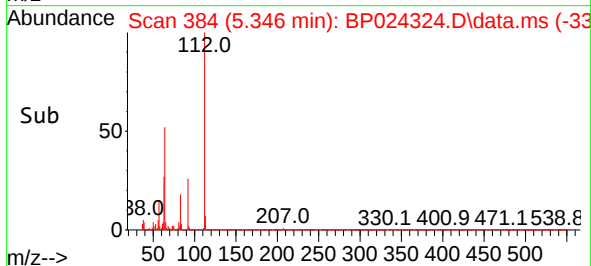
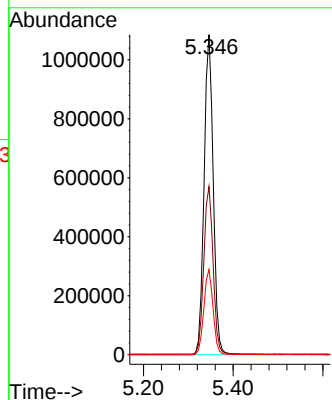
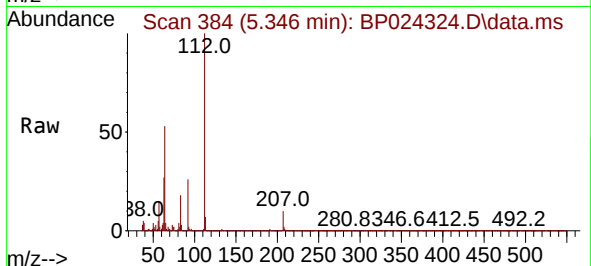




#5
2-Fluorophenol
Concen: 109.474 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.006 min
Lab File: BP024324.D
Acq: 17 Apr 2025 13:18

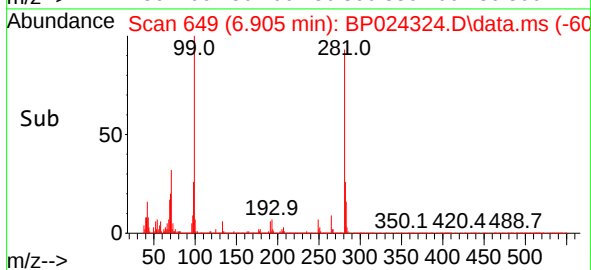
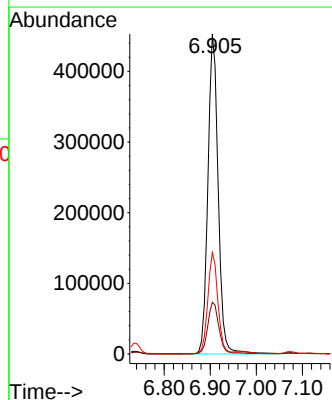
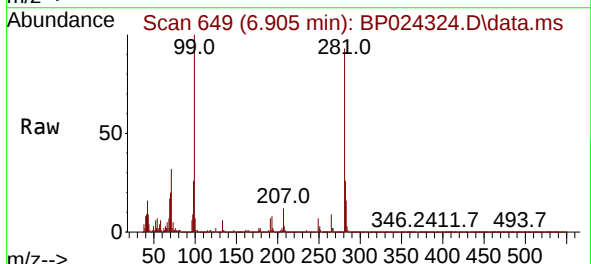
Instrument :
BNA_P
ClientSampleId :
280722RE

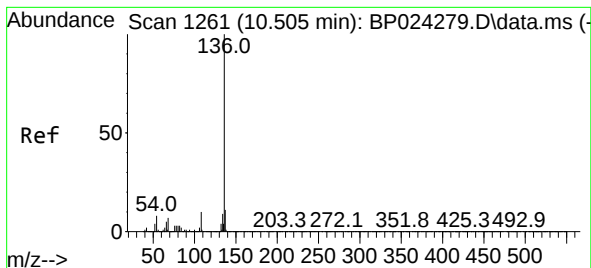
Tgt Ion:112 Resp: 1537532
Ion Ratio Lower Upper
112 100
64 52.5 41.1 61.7
63 26.6 20.6 30.8



#7
Phenol-d6
Concen: 36.749 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.011 min
Lab File: BP024324.D
Acq: 17 Apr 2025 13:18

Tgt Ion: 99 Resp: 706719
Ion Ratio Lower Upper
99 100
42 16.1 10.6 16.0#
71 31.7 23.7 35.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.499 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

Instrument :

BNA_P

ClientSampleId :

280722RE

Tgt Ion:136 Resp: 865213

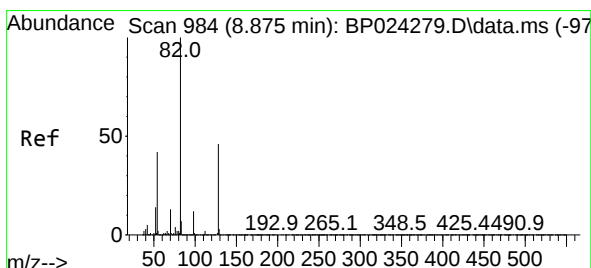
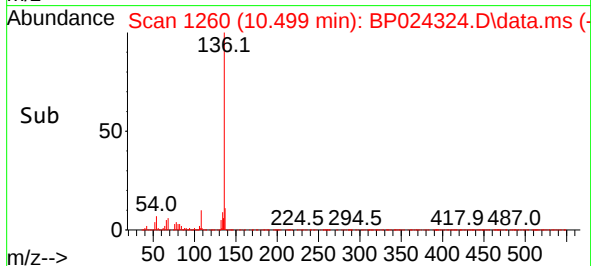
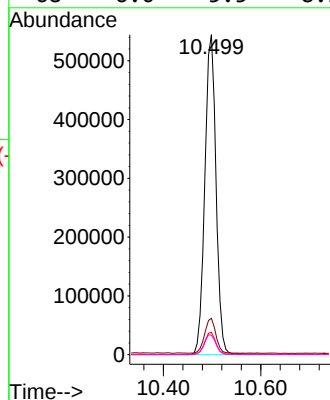
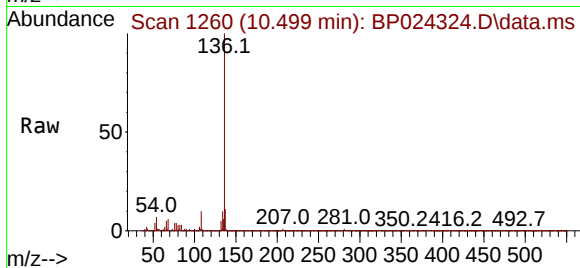
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.0 6.0 9.0

68 6.0 5.5 8.3



#23

Nitrobenzene-d5

Concen: 96.038 ng

RT: 8.869 min Scan# 983

Delta R.T. -0.012 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

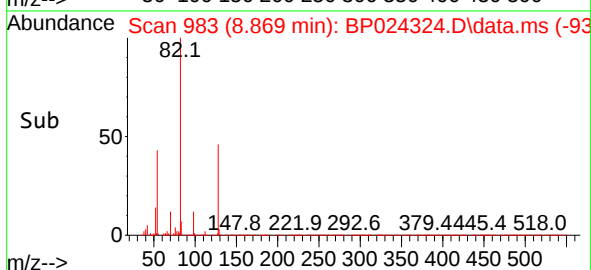
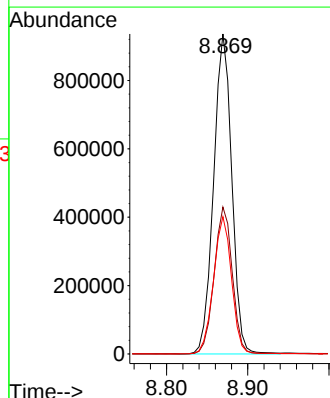
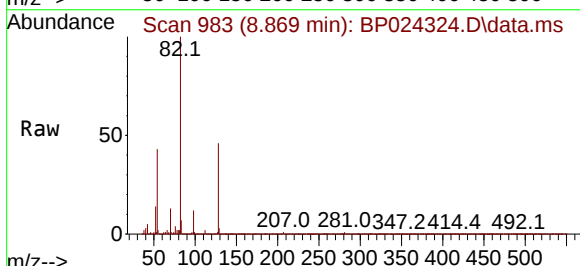
Tgt Ion: 82 Resp: 1457238

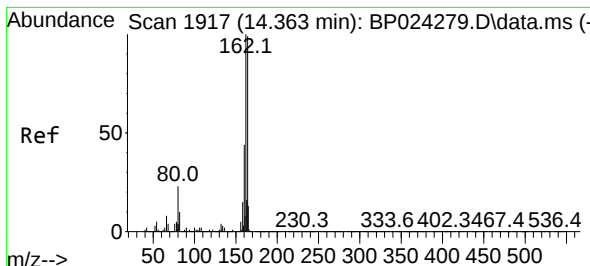
Ion Ratio Lower Upper

82 100

128 45.9 36.5 54.7

54 42.9 33.4 50.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.351 min Scan# 1915

Delta R.T. -0.018 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

Instrument :

BNA_P

ClientSampleId :

280722RE

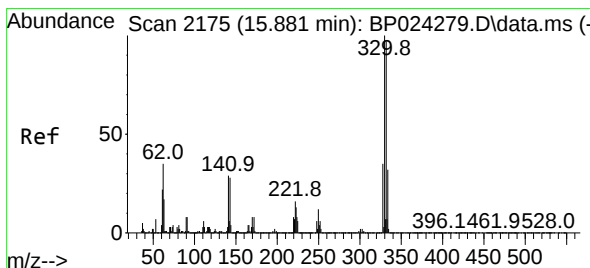
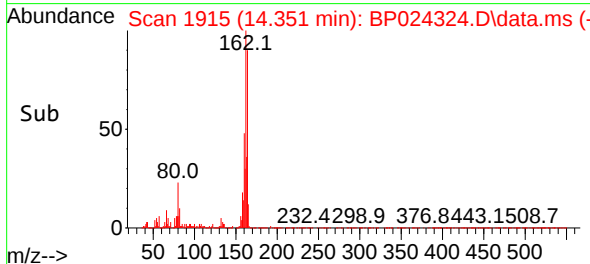
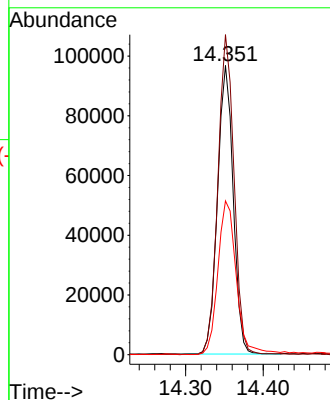
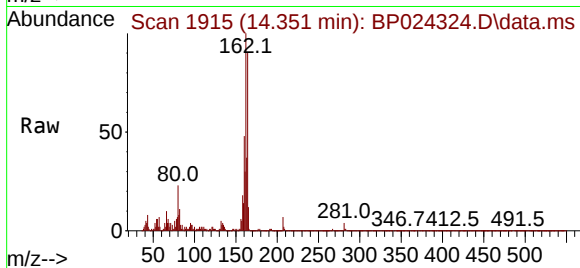
Tgt Ion:164 Resp: 136203

Ion Ratio Lower Upper

164 100

162 110.7 80.6 120.8

160 53.2 35.3 52.9#



#42

2,4,6-Tribromophenol

Concen: 481.233 ng

RT: 15.875 min Scan# 2174

Delta R.T. -0.018 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

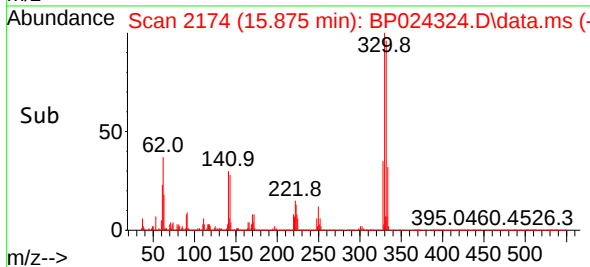
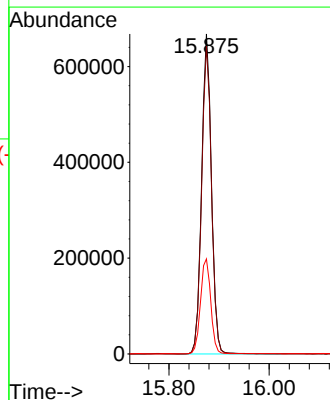
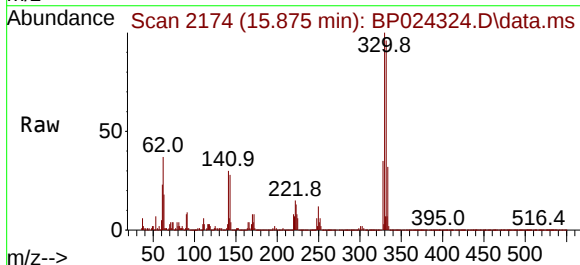
Tgt Ion:330 Resp: 906855

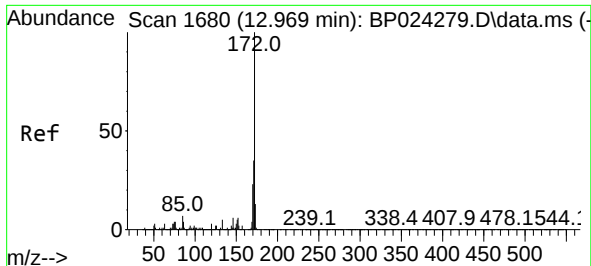
Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 31.0 24.7 37.1

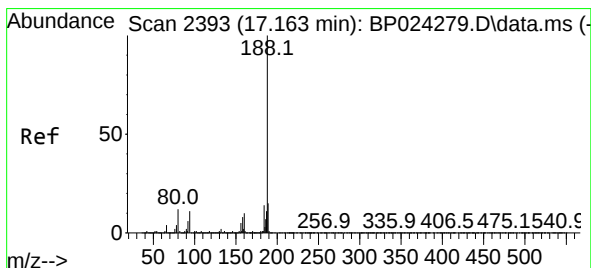
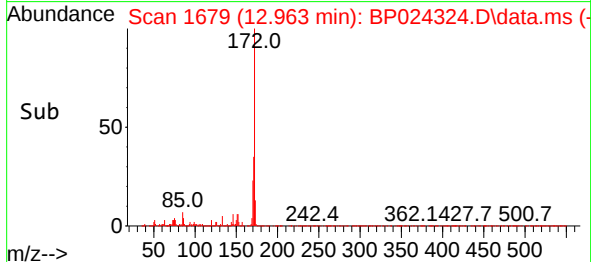
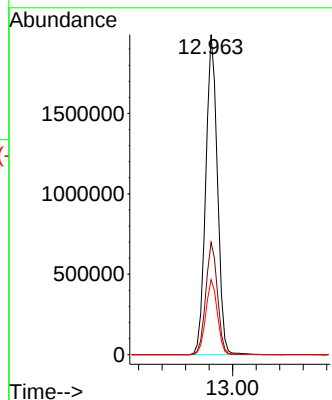
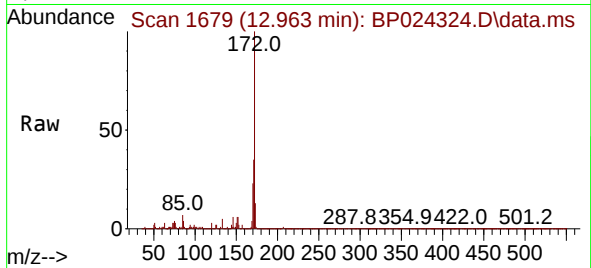




#45
2-Fluorobiphenyl
Concen: 307.633 ng
RT: 12.963 min Scan# 1680
Delta R.T. -0.018 min
Lab File: BP024324.D
Acq: 17 Apr 2025 13:18

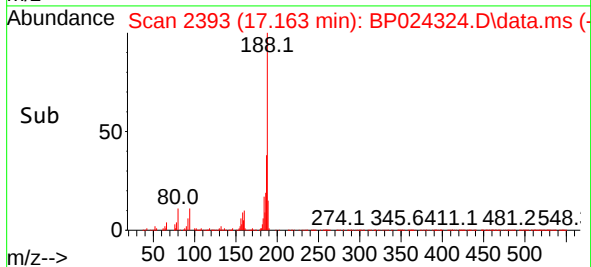
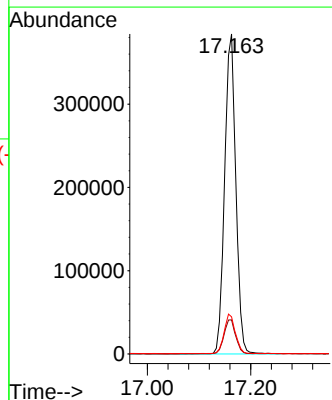
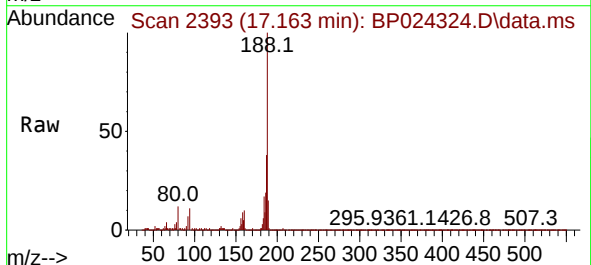
Instrument :
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280722RE

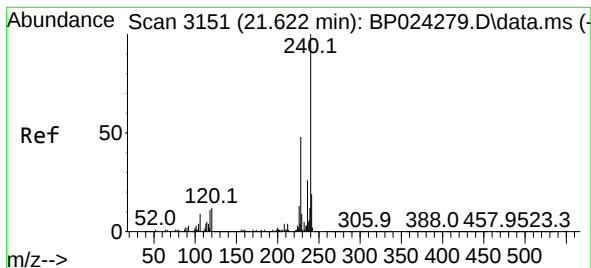
Tgt Ion:172 Resp: 2736615
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.5 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BP024324.D
Acq: 17 Apr 2025 13:18

Tgt Ion:188 Resp: 575497
Ion Ratio Lower Upper
188 100
94 10.7 8.6 13.0
80 11.6 9.8 14.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3151

Delta R.T. -0.012 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

Instrument :

BNA_P

ClientSampleId :

280722RE

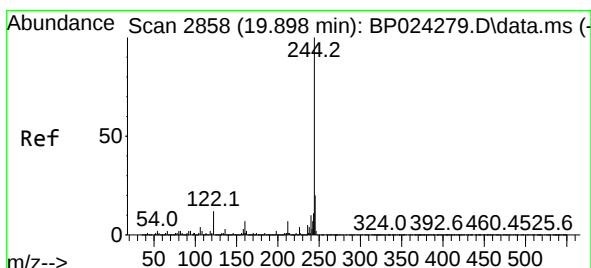
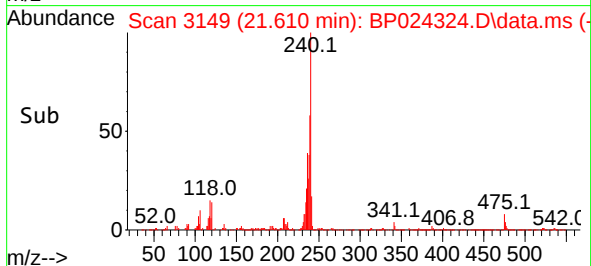
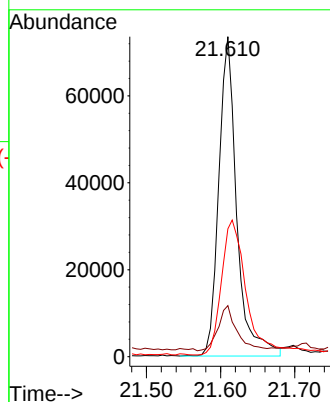
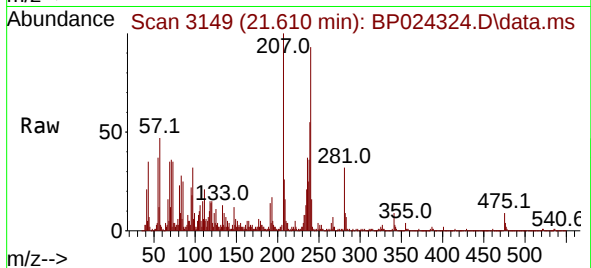
Tgt Ion:240 Resp: 123856

Ion Ratio Lower Upper

240 100

120 16.0 9.8 14.8#

236 40.0 20.9 31.3#



#79

Terphenyl-d14

Concen: 280.906 ng

RT: 19.880 min Scan# 2855

Delta R.T. -0.041 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

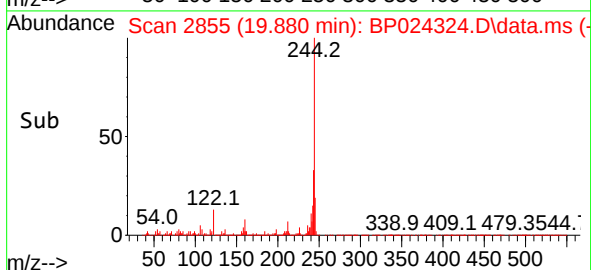
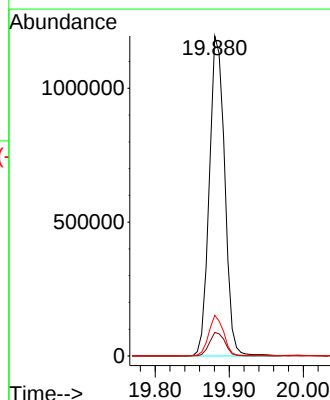
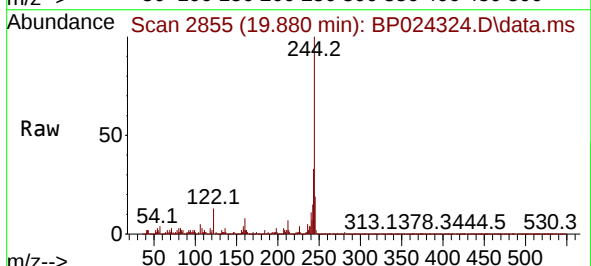
Tgt Ion:244 Resp: 1726096

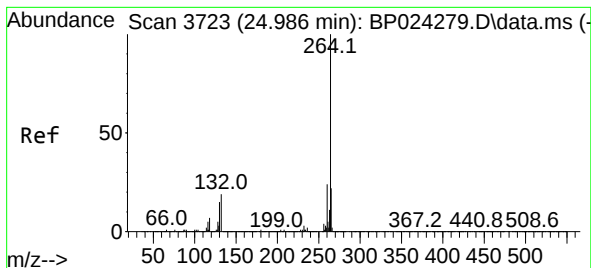
Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 12.7 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.951 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP024324.D

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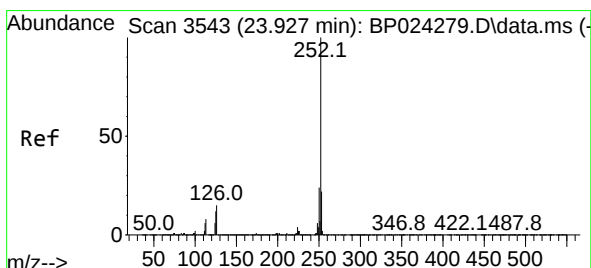
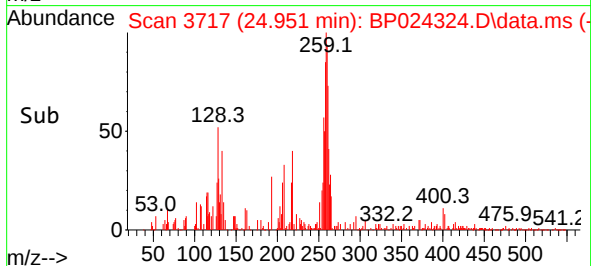
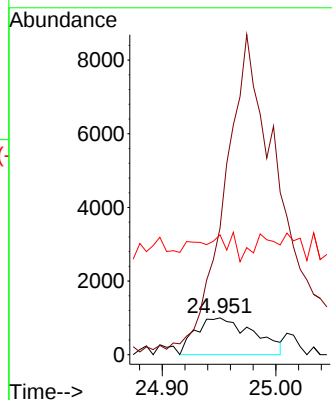
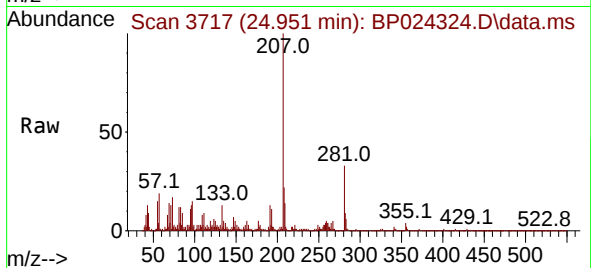
Tgt Ion:264 Resp: 3538

Ion Ratio Lower Upper

264 100

260 344.6 18.9 28.3#

265 326.0 17.8 26.6#



#88

Benzo(b)fluoranthene

Concen: 2.372 ng

RT: 23.904 min Scan# 3539

Delta R.T. -0.029 min

Lab File: BP024324.D

Acq: 17 Apr 2025 13:18

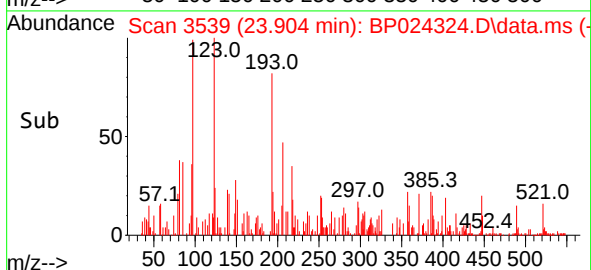
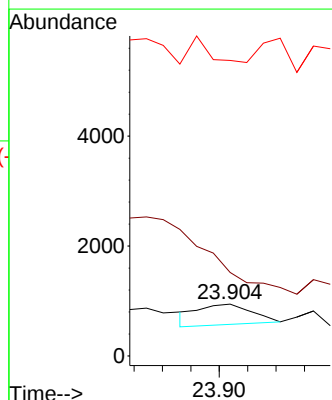
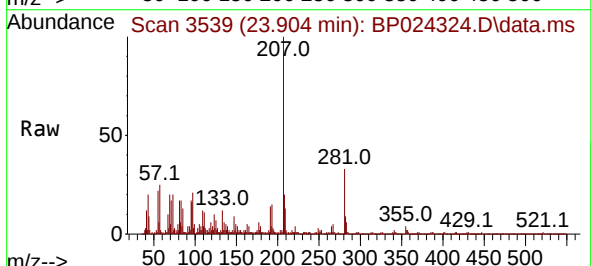
Tgt Ion:252 Resp: 503

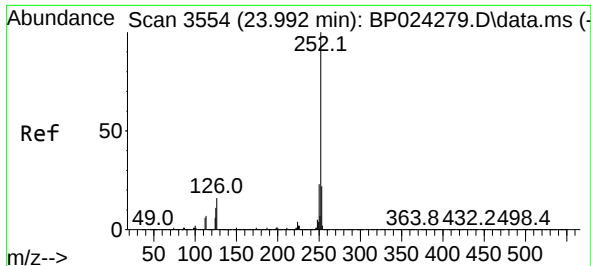
Ion Ratio Lower Upper

252 100

253 161.1 17.7 26.5#

125 570.3 9.4 14.0#

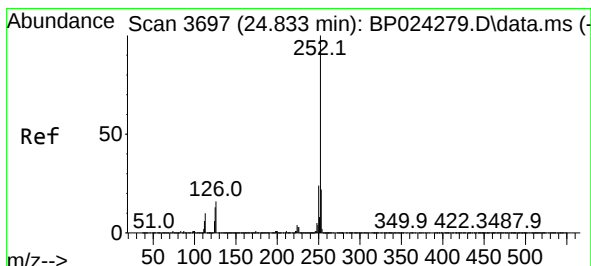
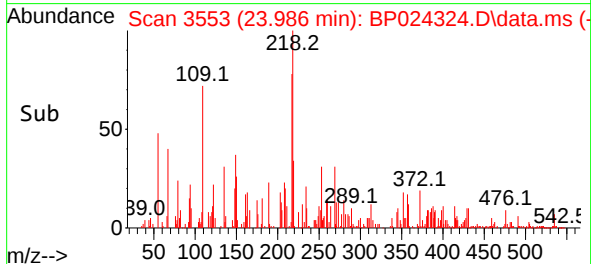
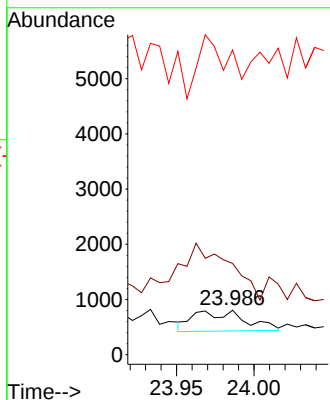
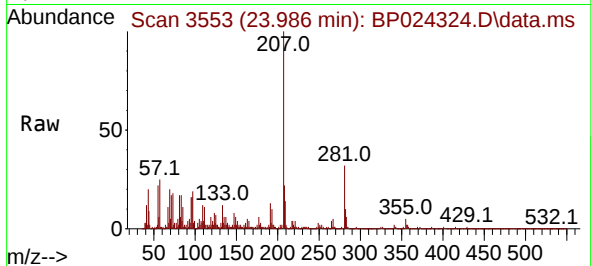




#89
Benzo(k)fluoranthene
Concen: 4.135 ng
RT: 23.986 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024324.D
Acq: 17 Apr 2025 13:18

Instrument :
BNA_P
ClientSampleId :
280722RE

Tgt Ion:252 Resp: 847
Ion Ratio Lower Upper
252 100
253 205.0 17.7 26.5#
125 685.1 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 2.181 ng
RT: 24.857 min Scan# 3701
Delta R.T. 0.024 min
Lab File: BP024324.D
Acq: 17 Apr 2025 13:18

Tgt Ion:252 Resp: 399
Ion Ratio Lower Upper
252 100
253 209.4 17.6 26.4#
125 623.3 10.1 15.1#

