

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042325\
 Data File : BP024403.D
 Acq On : 23 Apr 2025 19:37
 Operator : RC/JU
 Sample : Q1852-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11977

Quant Time: Apr 24 02:40:18 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)

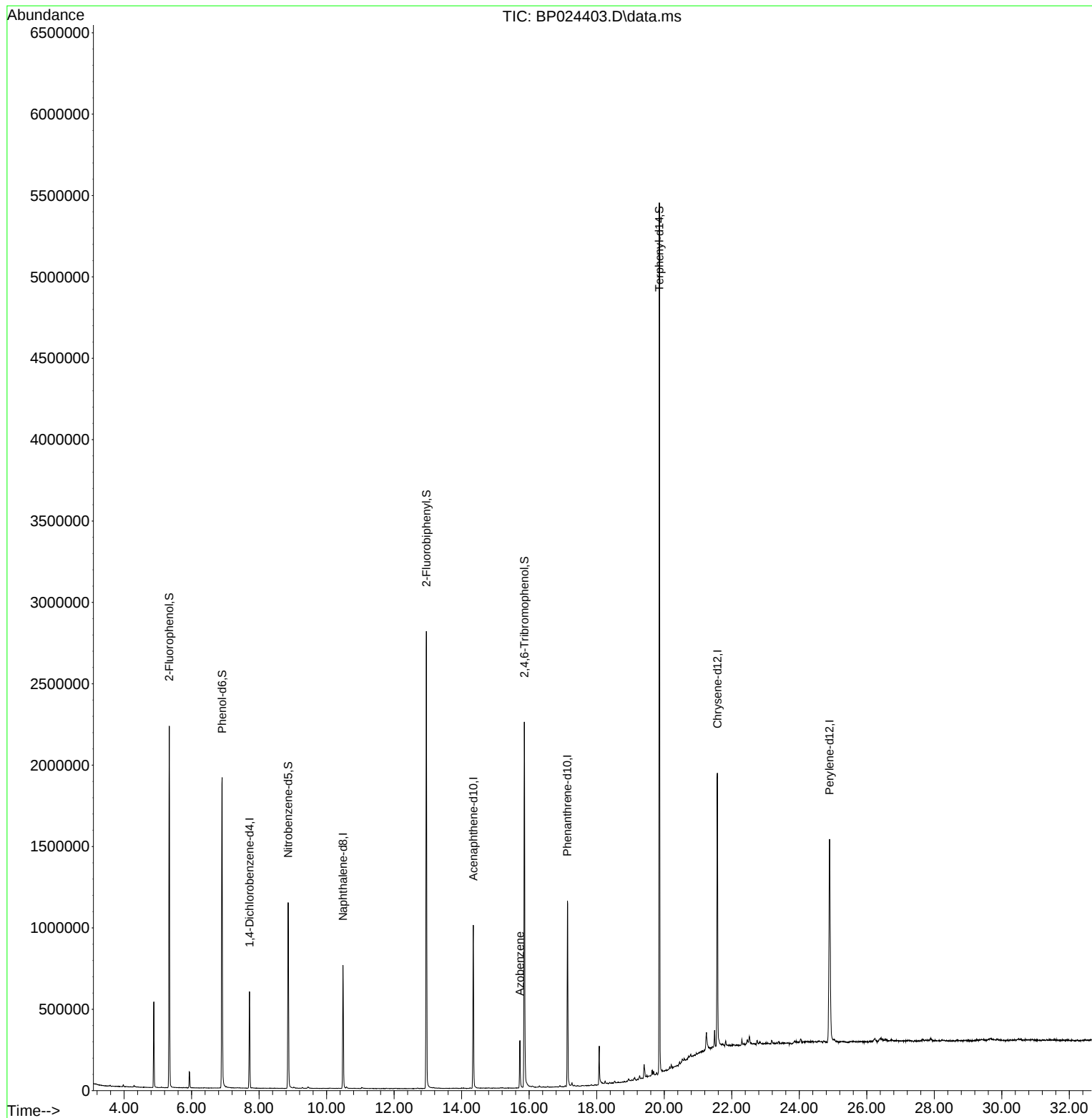
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	157905	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	606036	20.000	ng	-0.01
39) Acenaphthene-d10	14.345	164	354856	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	681108	20.000	ng	-0.01
76) Chrysene-d12	21.574	240	961698	20.000	ng	-0.02
86) Perylene-d12	24.898	264	1277653	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	949132	99.386	ng	0.00
7) Phenol-d6	6.904	99	1203494	92.034	ng	0.00
23) Nitrobenzene-d5	8.863	82	696912	65.572	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	504075	102.671	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	1484035	64.032	ng	0.00
79) Terphenyl-d14	19.857	244	2537396	53.182	ng	-0.02
Target Compounds						
63) Azobenzene	15.727	77	98373	4.025	ng	Qvalue # 1

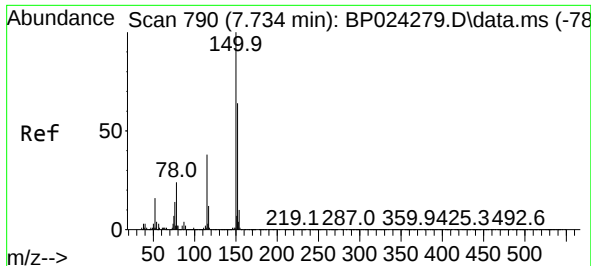
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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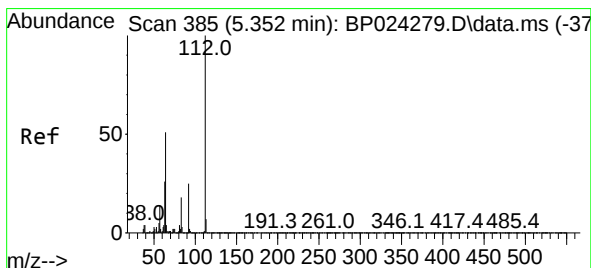
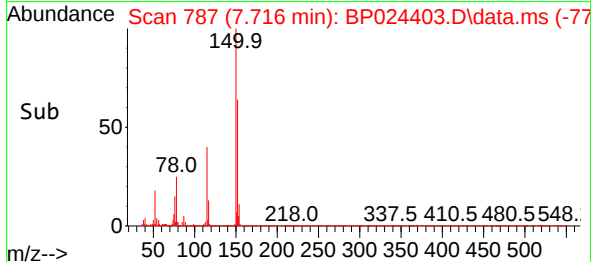
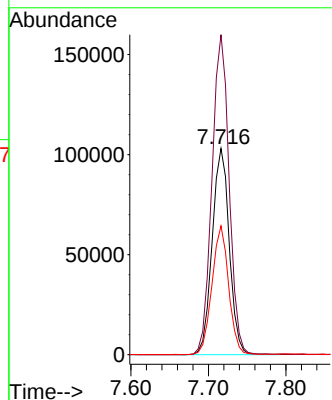
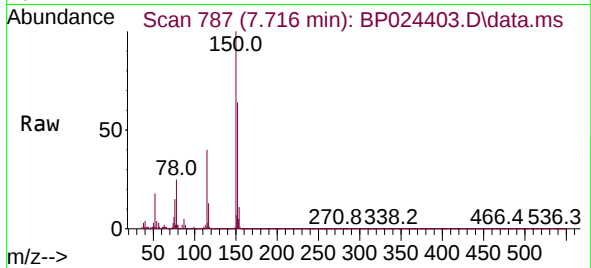




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.716 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP024403.D
 Acq: 23 Apr 2025 19:37

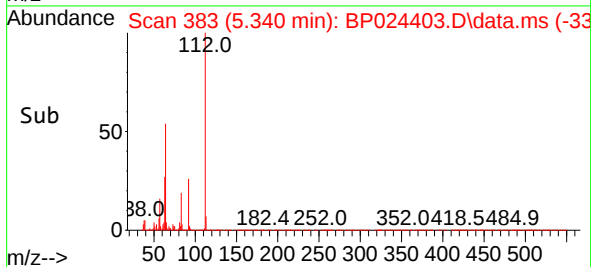
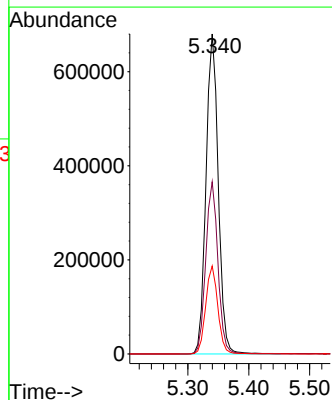
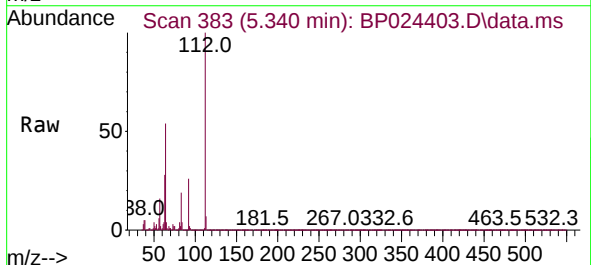
Instrument :
 BNA_P
 ClientSampleId :
 72-11977

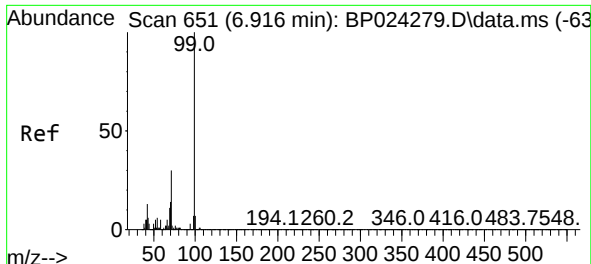
Tgt Ion:152 Resp: 157905
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.9 187.3
 115 62.5 47.7 71.5



#5
 2-Fluorophenol
 Concen: 99.386 ng
 RT: 5.340 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: BP024403.D
 Acq: 23 Apr 2025 19:37

Tgt Ion:112 Resp: 949132
 Ion Ratio Lower Upper
 112 100
 64 53.8 41.1 61.7
 63 27.5 20.6 30.8

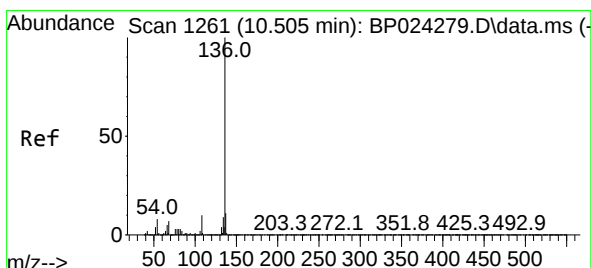
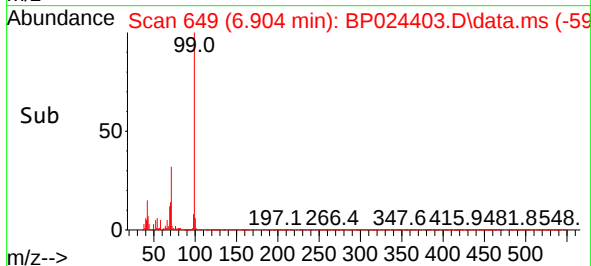
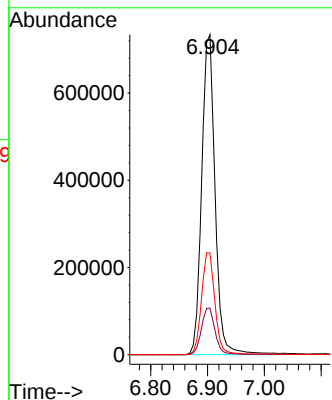
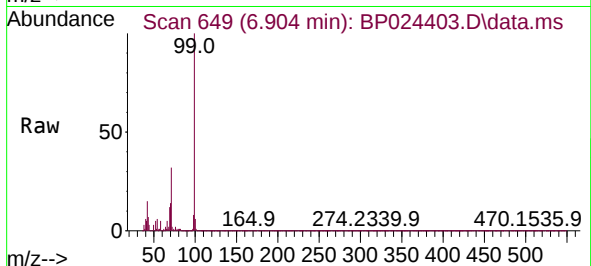




#7
Phenol-d6
Concen: 92.034 ng
RT: 6.904 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP024403.D
Acq: 23 Apr 2025 19:37

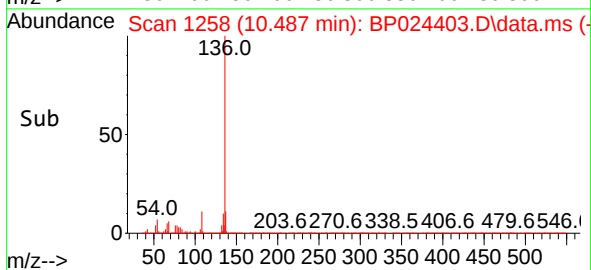
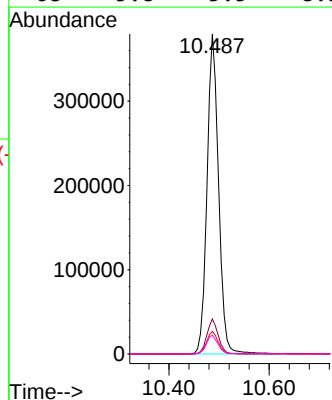
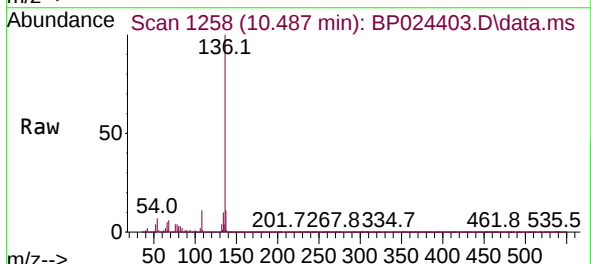
Instrument :
BNA_P
ClientSampleId :
72-11977

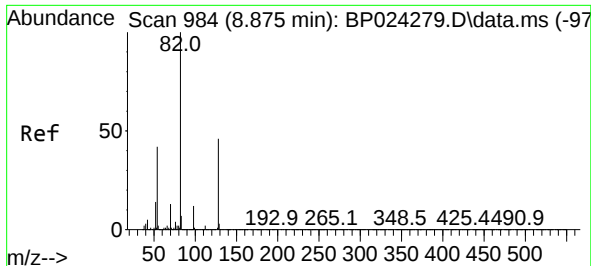
Tgt Ion: 99 Resp: 1203494
Ion Ratio Lower Upper
99 100
42 14.5 10.6 16.0
71 31.8 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024403.D
Acq: 23 Apr 2025 19:37

Tgt Ion: 136 Resp: 606036
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 7.0 6.0 9.0
68 5.8 5.5 8.3

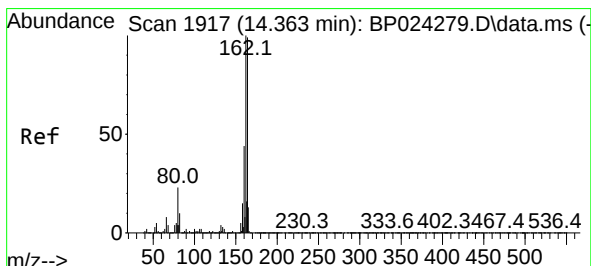
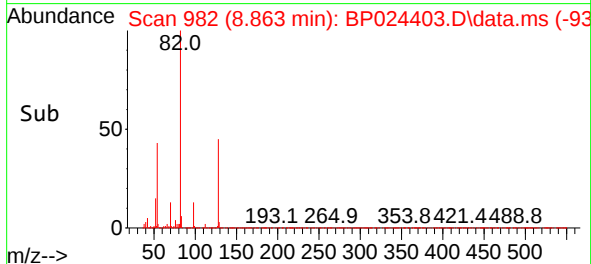
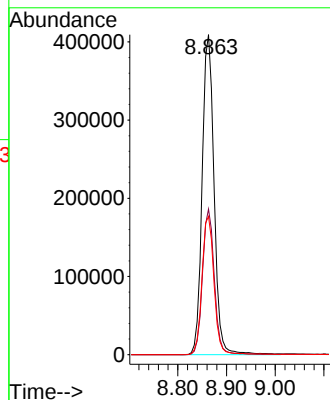
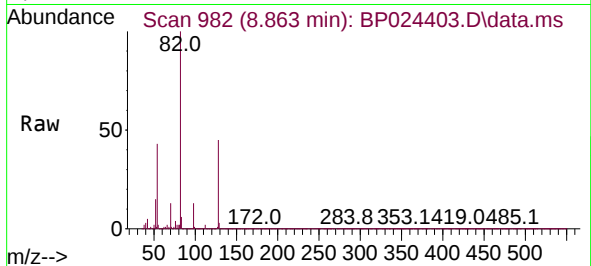




#23
Nitrobenzene-d5
Concen: 65.572 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024403.D
Acq: 23 Apr 2025 19:37

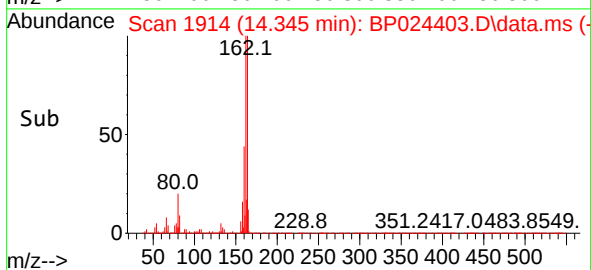
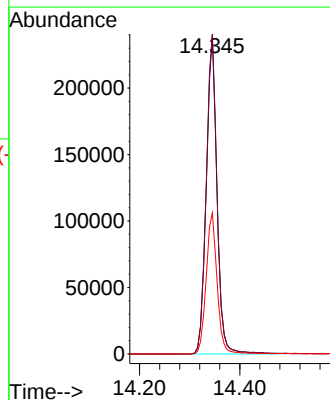
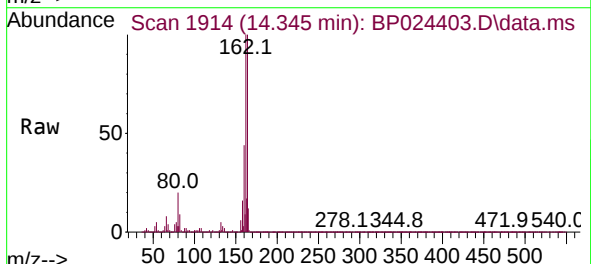
Instrument :
BNA_P
ClientSampleId :
72-11977

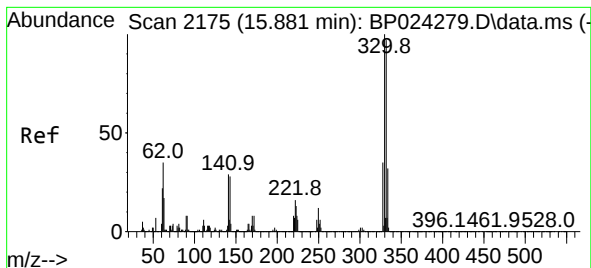
Tgt Ion: 82 Resp: 696912
Ion Ratio Lower Upper
82 100
128 45.5 36.5 54.7
54 43.2 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024403.D
Acq: 23 Apr 2025 19:37

Tgt Ion: 164 Resp: 354856
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 44.3 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 102.671 ng

RT: 15.857 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024403.D

Acq: 23 Apr 2025 19:37

Instrument :

BNA_P

ClientSampleId :

72-11977

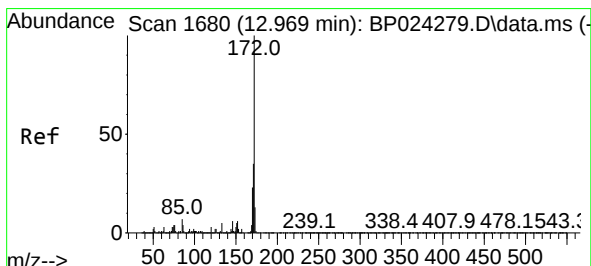
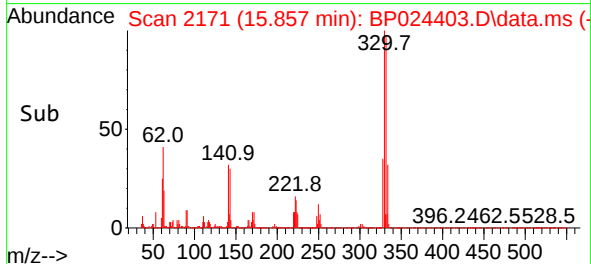
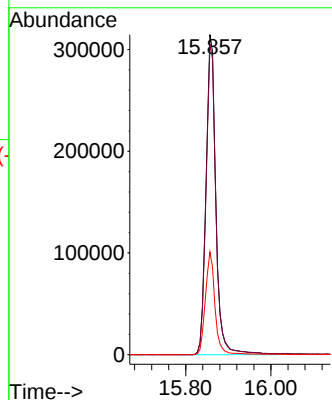
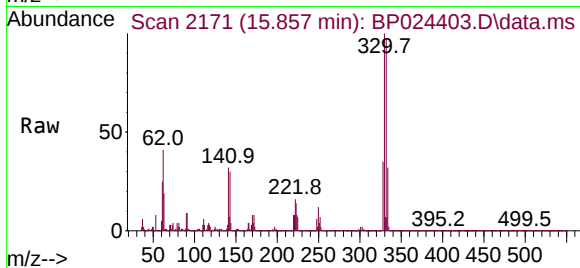
Tgt Ion:330 Resp: 504075

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 31.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 64.032 ng

RT: 12.957 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BP024403.D

Acq: 23 Apr 2025 19:37

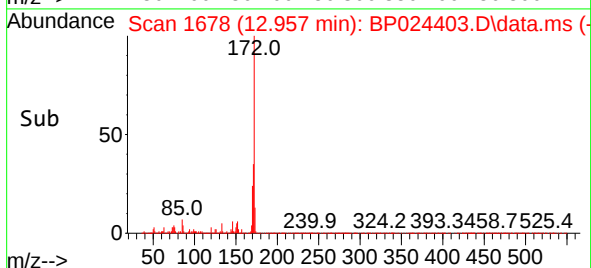
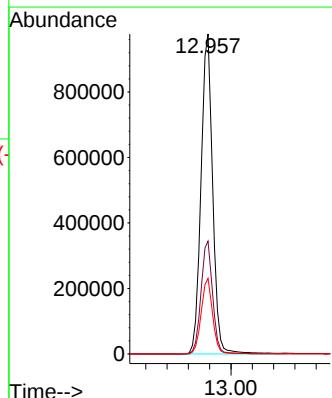
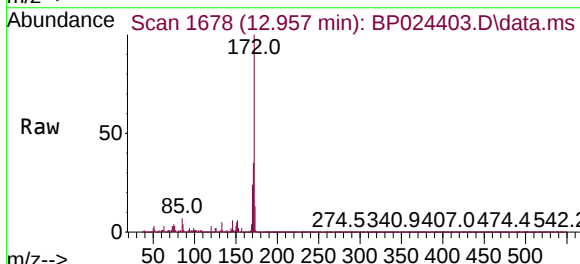
Tgt Ion:172 Resp: 1484035

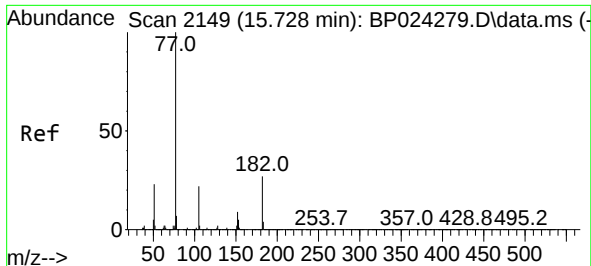
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.6 18.6 27.8

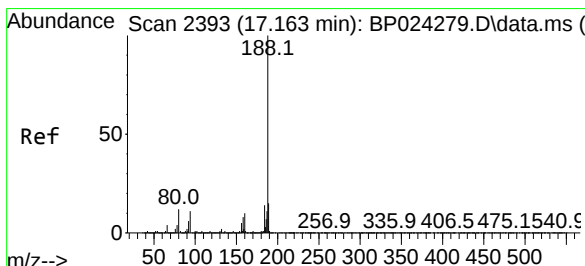
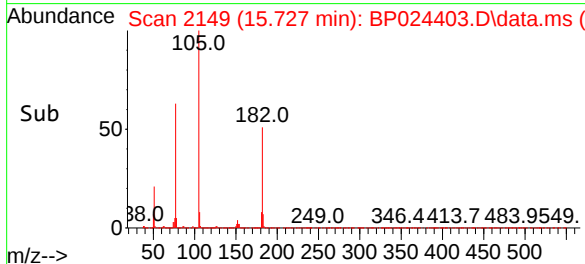
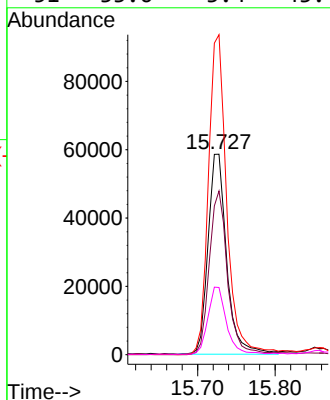
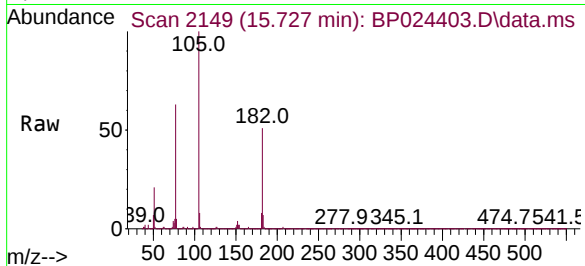




#63
Azobenzene
Concen: 4.025 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.017 min
Lab File: BP024403.D
Acq: 23 Apr 2025 19:37

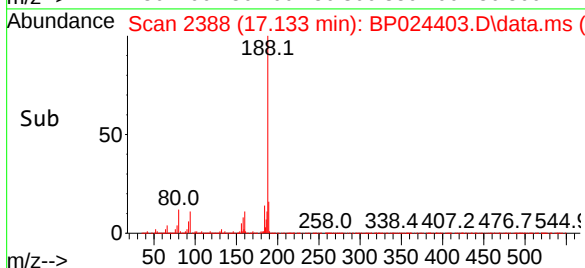
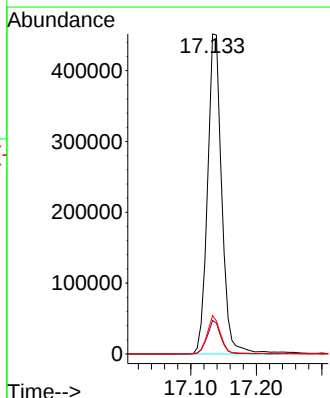
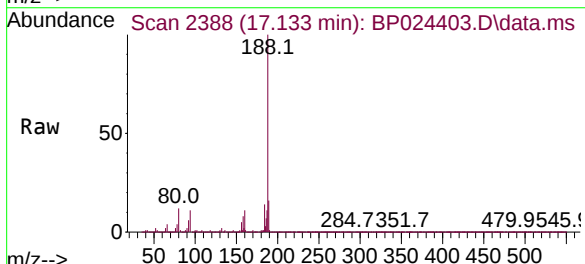
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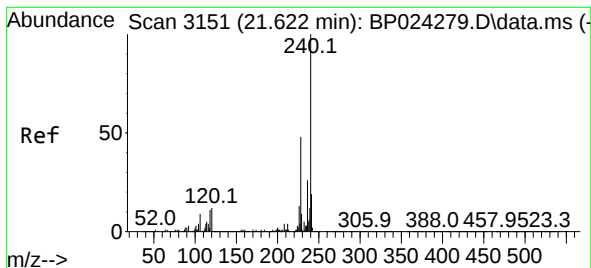
Tgt Ion: 77	Resp: 98373
Ion Ratio	Lower Upper
77 100	
182 81.6	7.3 47.3#
105 159.7	2.3 42.3#
51 33.6	3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024403.D
Acq: 23 Apr 2025 19:37

Tgt Ion: 188	Resp: 681108
Ion Ratio	Lower Upper
188 100	
94 10.5	8.6 13.0
80 12.0	9.8 14.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024403.D

Acq: 23 Apr 2025 19:37

Instrument :

BNA_P

ClientSampleId :

72-11977

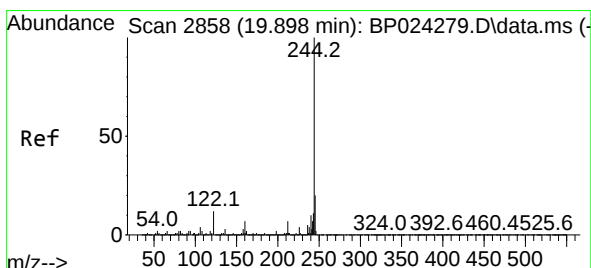
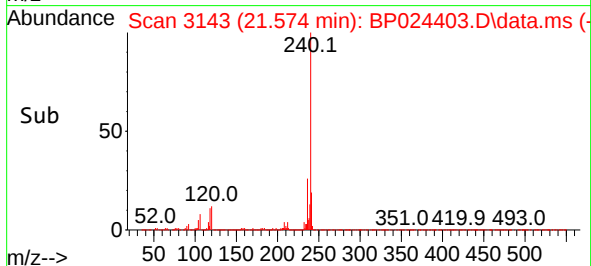
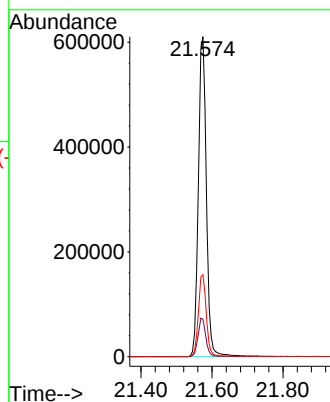
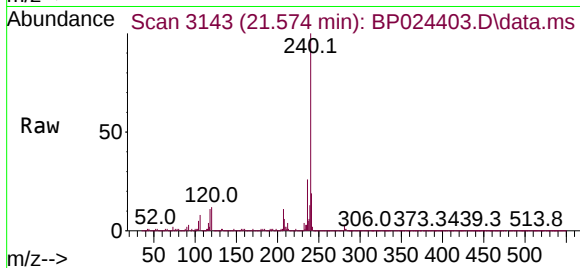
Tgt Ion:240 Resp: 961698

Ion Ratio Lower Upper

240 100

120 11.7 9.8 14.8

236 25.6 20.9 31.3



#79

Terphenyl-d14

Concen: 53.182 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.018 min

Lab File: BP024403.D

Acq: 23 Apr 2025 19:37

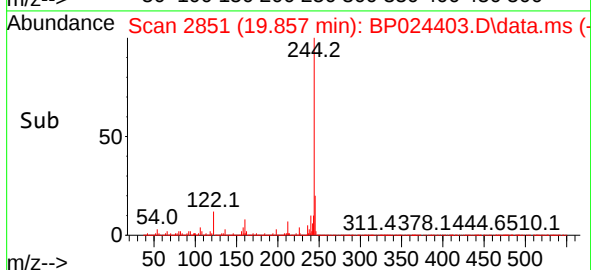
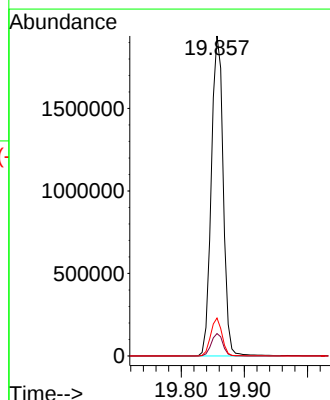
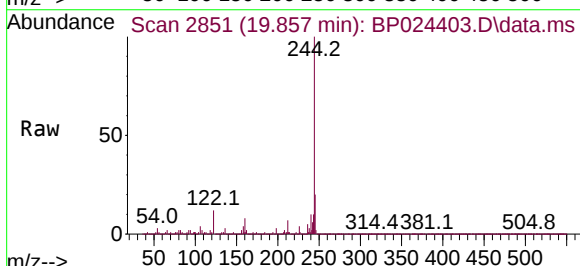
Tgt Ion:244 Resp: 2537396

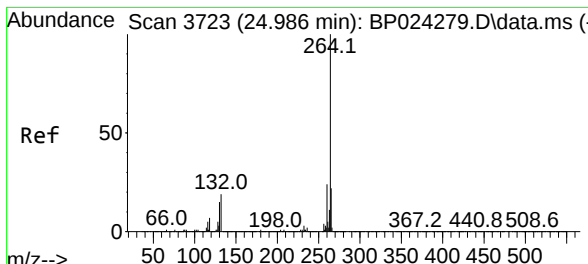
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.8 9.4 14.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.898 min Scan# 31
 Delta R.T. -0.035 min
 Lab File: BP024403.D
 Acq: 23 Apr 2025 19:37

Instrument :
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Tgt Ion:264 Resp: 1277653
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.9 28.3
 265 22.0 17.8 26.6

