

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042125\
 Data File : BP024364.D
 Acq On : 21 Apr 2025 16:17
 Operator : RC/JU
 Sample : Q1828-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT4643

Quant Time: Apr 21 16:47:25 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)

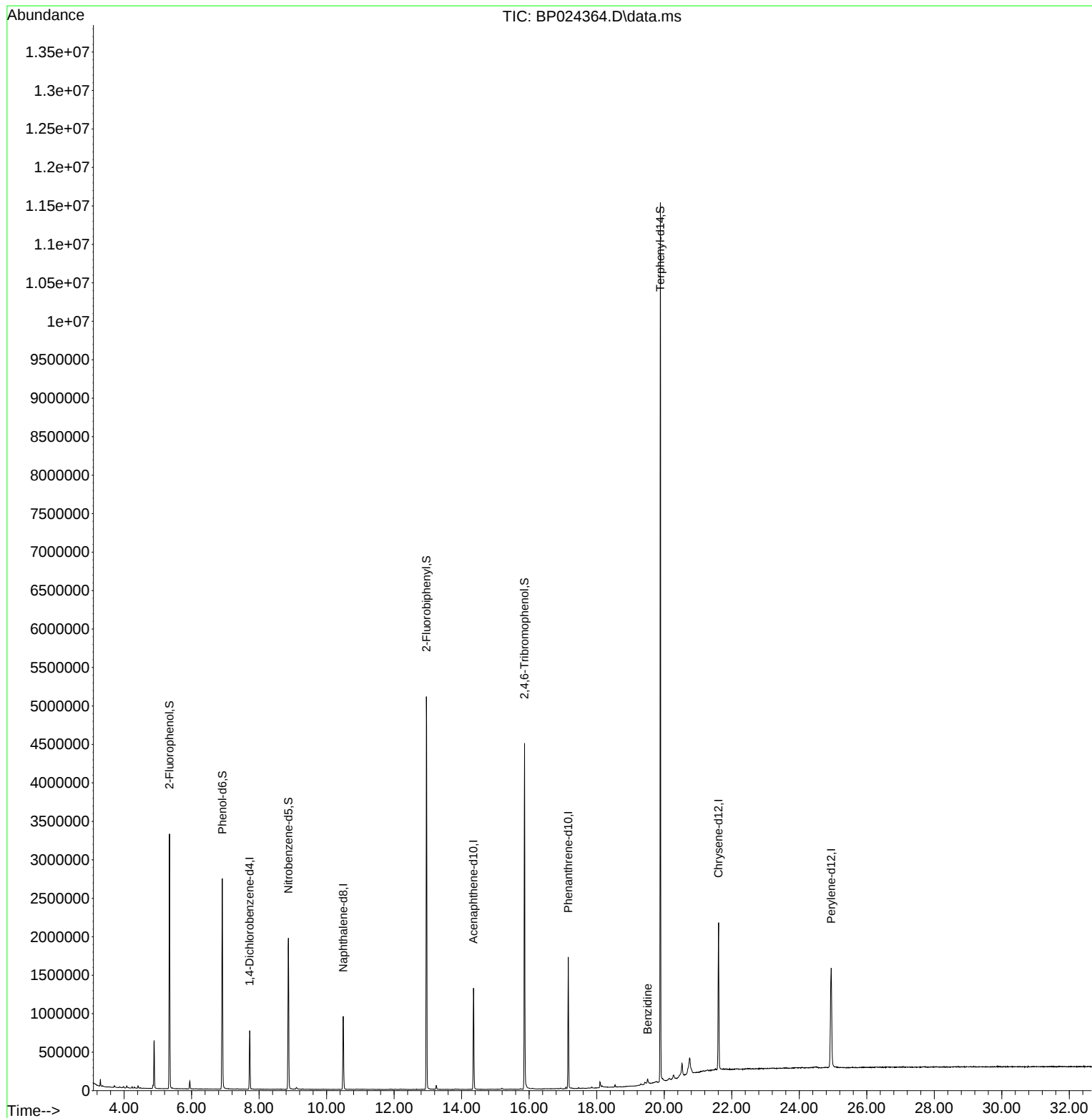
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	211868	20.000	ng	0.00
21) Naphthalene-d8	10.492	136	814919	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	476058	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	928761	20.000	ng	0.01
76) Chrysene-d12	21.609	240	1125152	20.000	ng	0.02
86) Perylene-d12	24.944	264	1314724	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1451386	113.269	ng	0.00
7) Phenol-d6	6.910	99	1687695	96.190	ng	0.00
23) Nitrobenzene-d5	8.869	82	1180380	82.593	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	833482	126.544	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	2473625	79.557	ng	0.00
79) Terphenyl-d14	19.886	244	4671405	83.685	ng	0.01
Target Compounds						
77) Benzidine	19.509	184	43497	3.050	ng	99

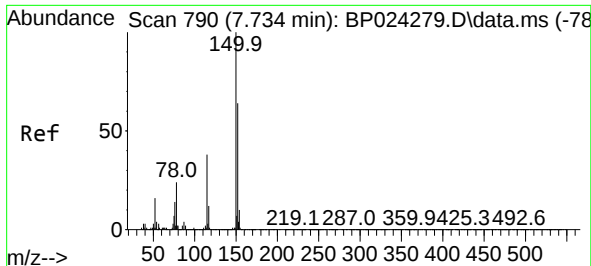
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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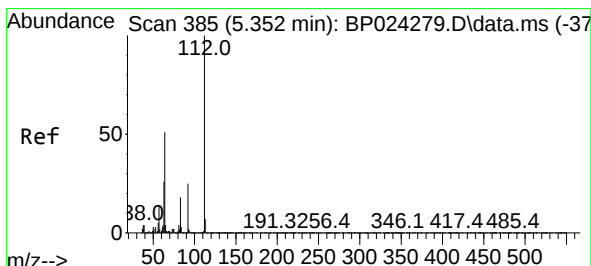
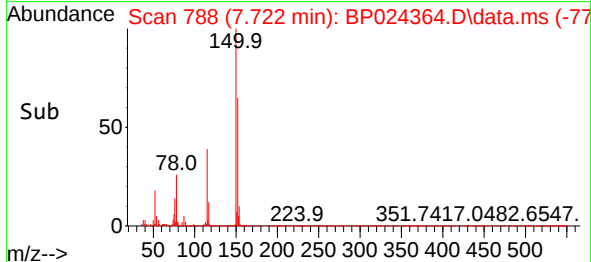
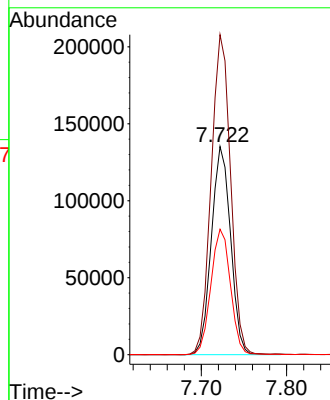
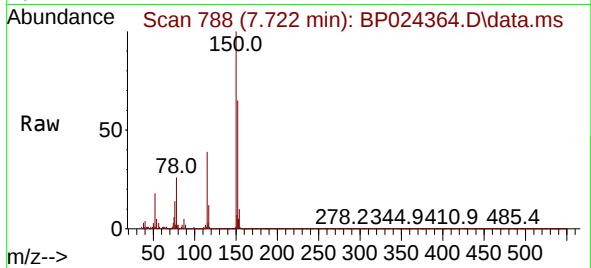




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

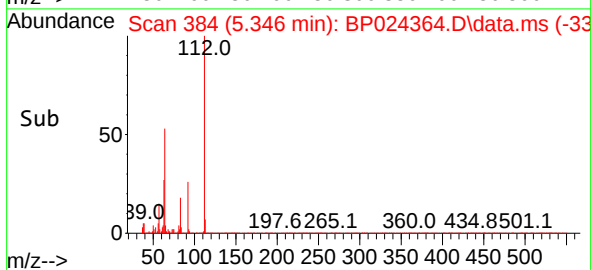
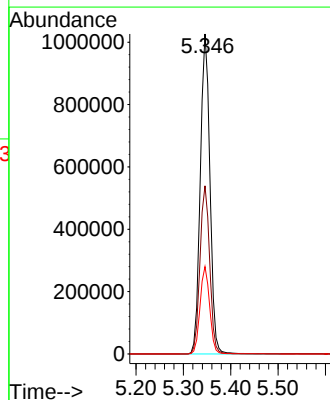
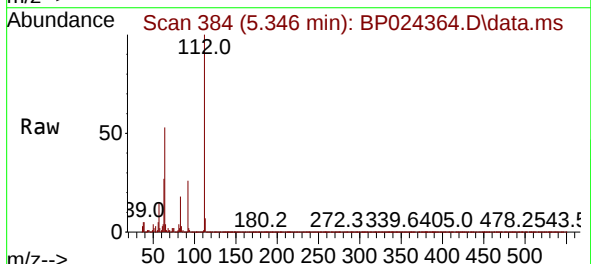
Instrument :
BNA_P
ClientSampleId :
RT4643

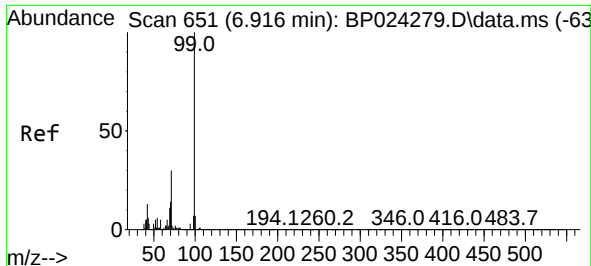
Tgt Ion:152 Resp: 211868
Ion Ratio Lower Upper
152 100
150 153.7 124.9 187.3
115 60.2 47.7 71.5



#5
2-Fluorophenol
Concen: 113.269 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.000 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

Tgt Ion:112 Resp: 1451386
Ion Ratio Lower Upper
112 100
64 52.5 41.1 61.7
63 27.3 20.6 30.8

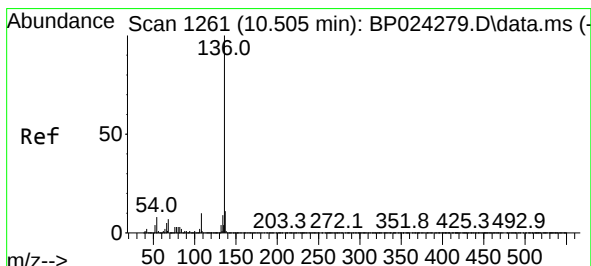
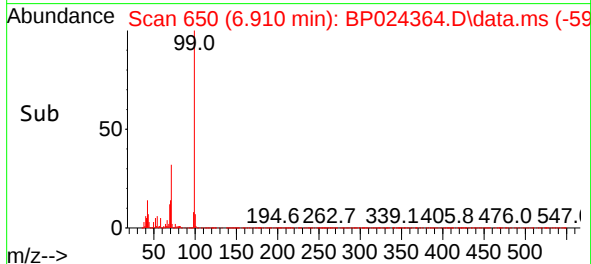
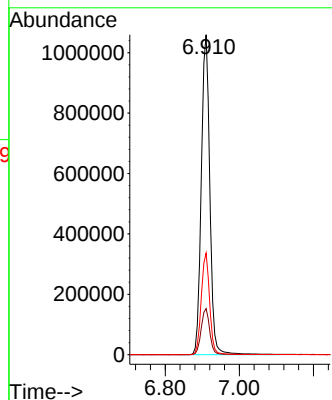
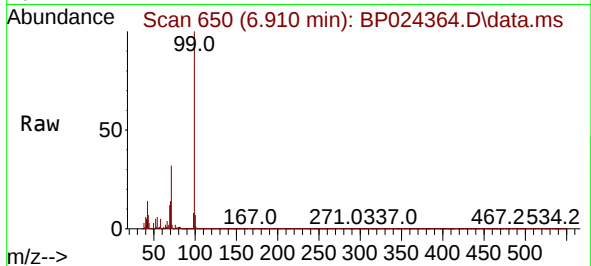




#7
Phenol-d6
Concen: 96.190 ng
RT: 6.910 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

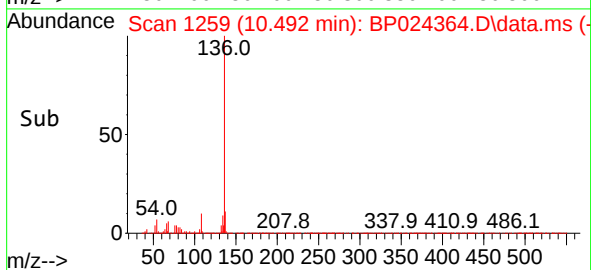
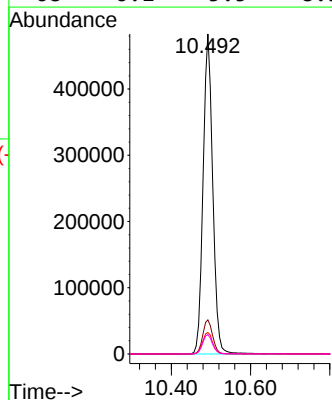
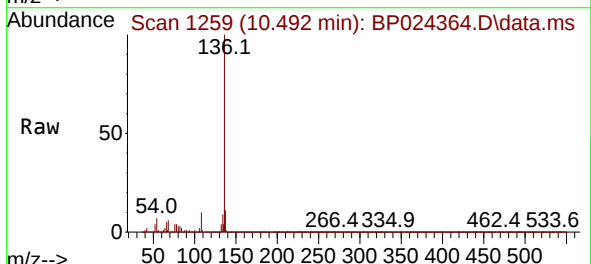
Instrument :
BNA_P
ClientSampleId :
RT4643

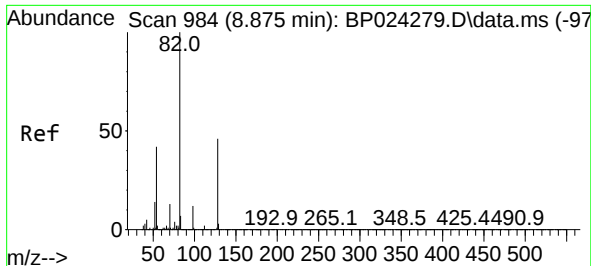
Tgt Ion: 99 Resp: 1687695
Ion Ratio Lower Upper
99 100
42 14.4 10.6 16.0
71 31.8 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.492 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

Tgt Ion: 136 Resp: 814919
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 6.7 6.0 9.0
68 6.1 5.5 8.3

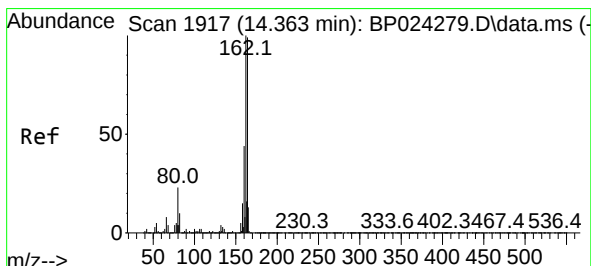
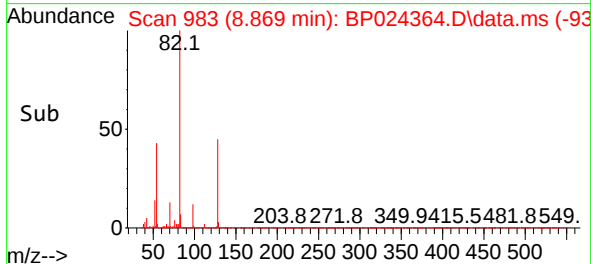
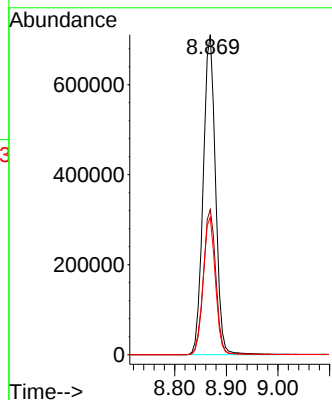
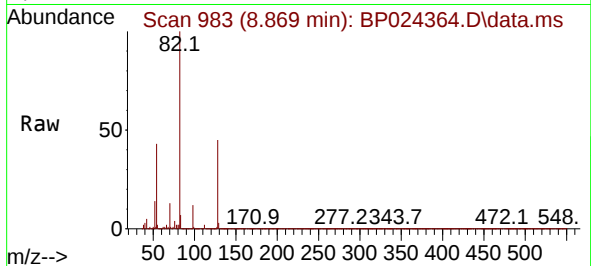




#23
Nitrobenzene-d5
Concen: 82.593 ng
RT: 8.869 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

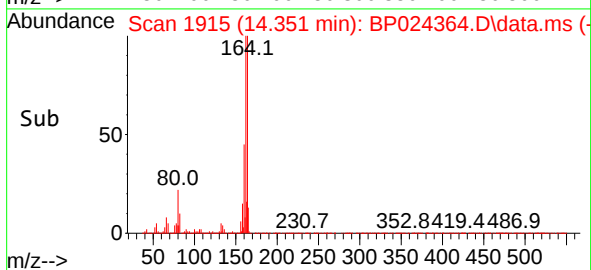
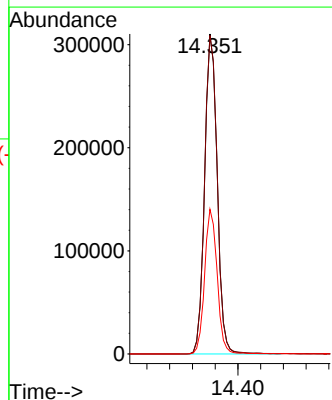
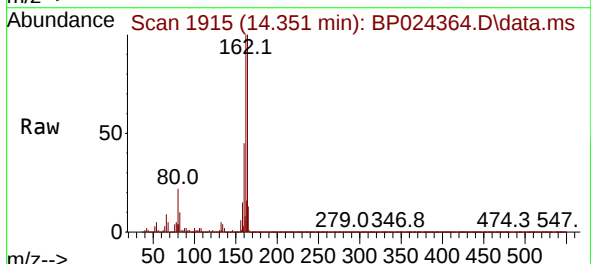
Instrument :
BNA_P
ClientSampleId :
RT4643

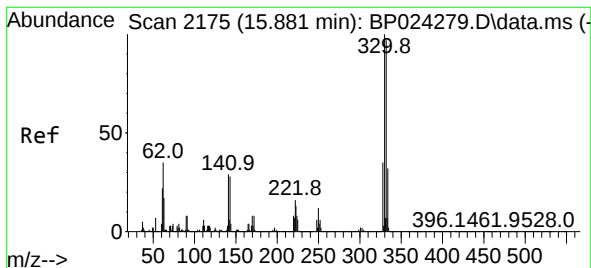
Tgt Ion: 82 Resp: 1180380
Ion Ratio Lower Upper
82 100
128 45.4 36.5 54.7
54 42.8 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.000 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

Tgt Ion:164 Resp: 476058
Ion Ratio Lower Upper
164 100
162 99.5 80.6 120.8
160 45.2 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 126.544 ng

RT: 15.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024364.D

Acq: 21 Apr 2025 16:17

Instrument :

BNA_P

ClientSampleId :

RT4643

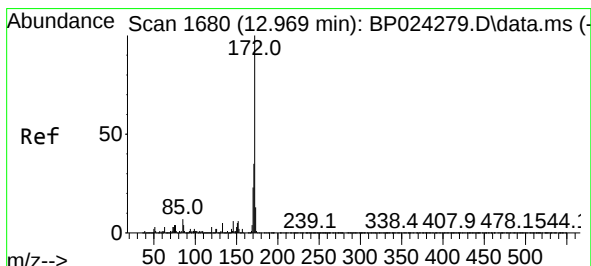
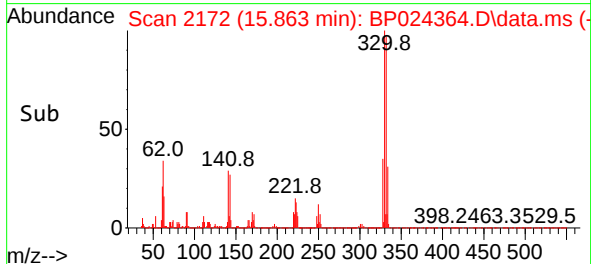
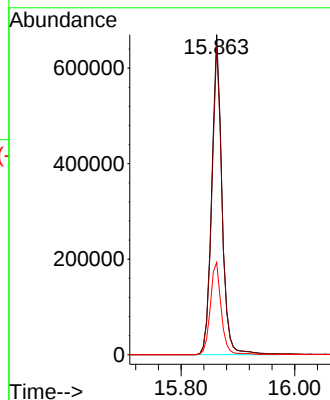
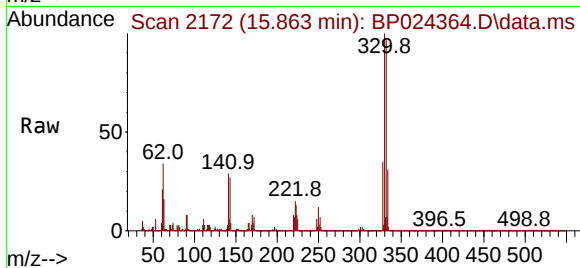
Tgt Ion:330 Resp: 833482

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 30.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 79.557 ng

RT: 12.957 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BP024364.D

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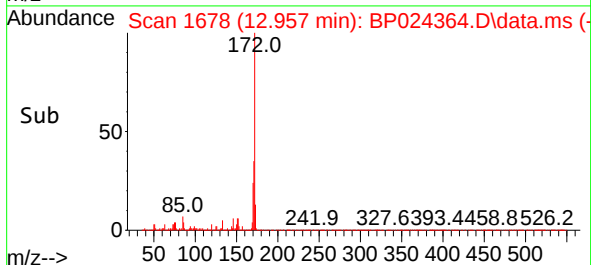
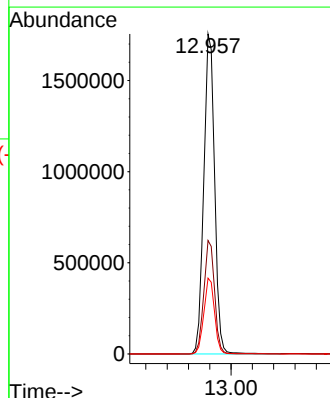
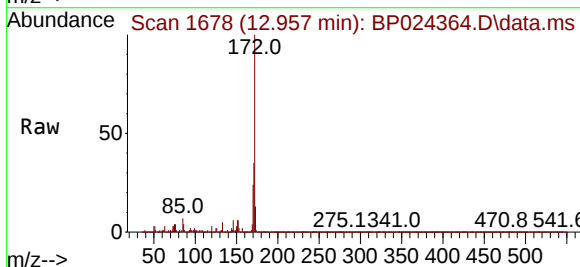
Tgt Ion:172 Resp: 2473625

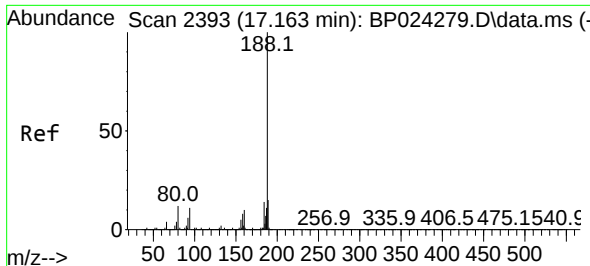
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.7 18.6 27.8

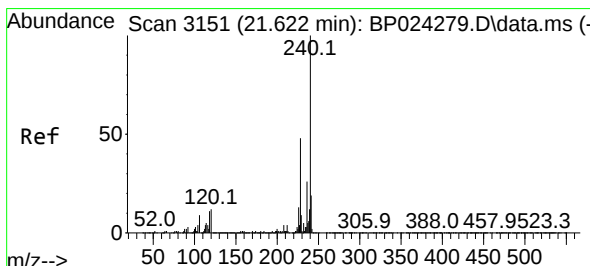
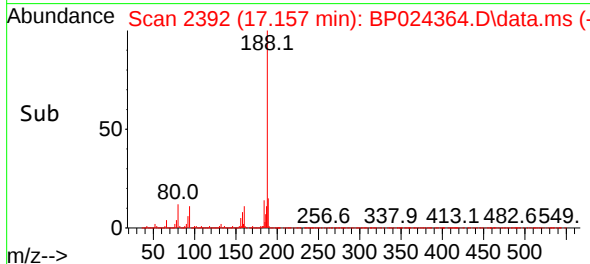
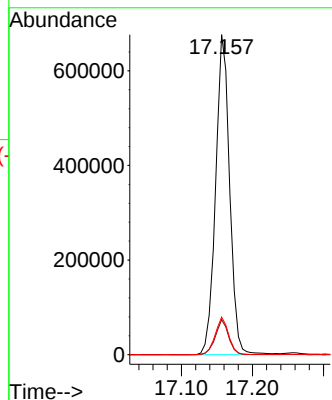
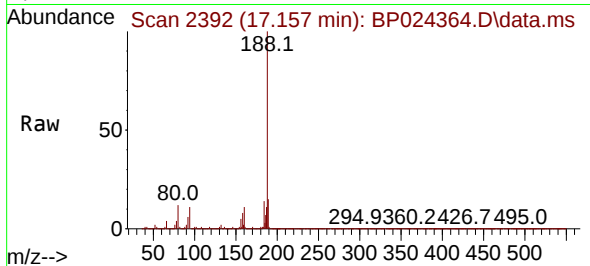




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

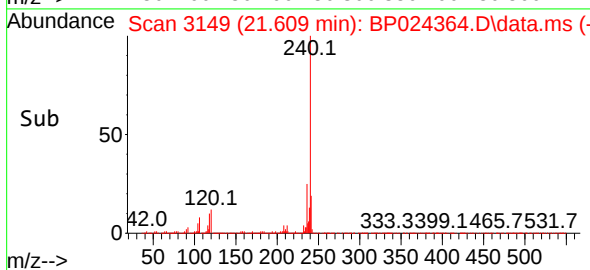
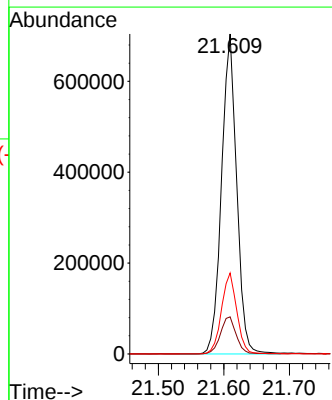
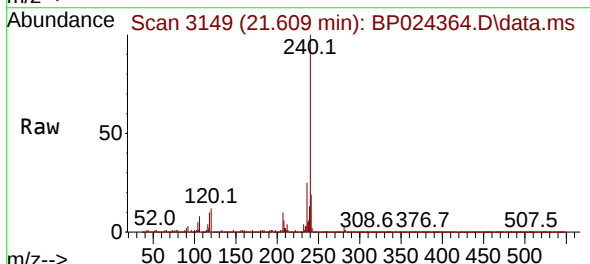
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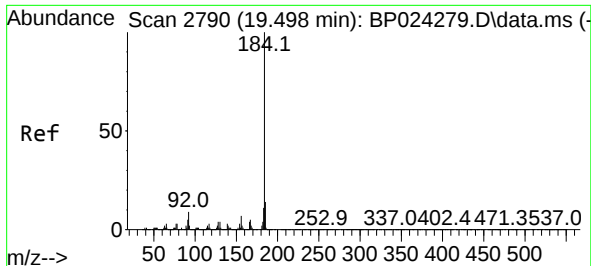
Tgt Ion:188 Resp: 928761
Ion Ratio Lower Upper
188 100
94 10.9 8.6 13.0
80 11.8 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3149
Delta R.T. 0.017 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

Tgt Ion:240 Resp: 1125152
Ion Ratio Lower Upper
240 100
120 11.6 9.8 14.8
236 25.3 20.9 31.3

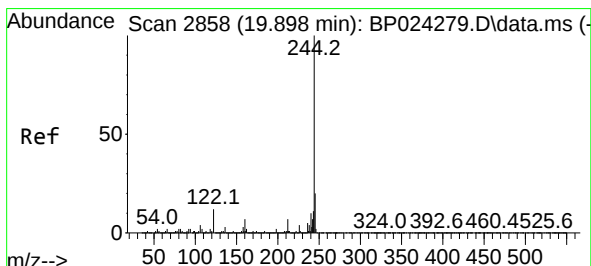
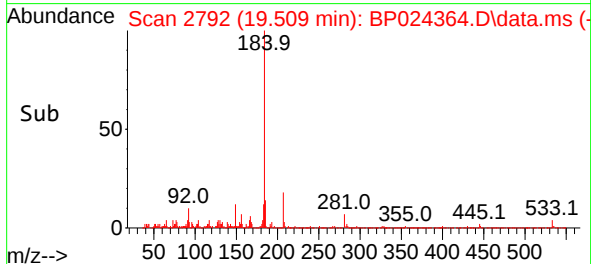
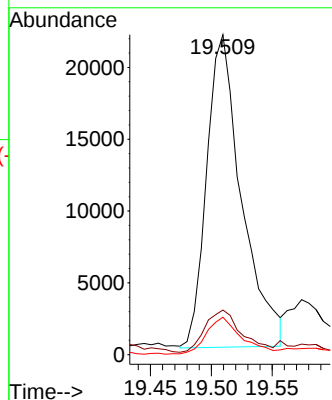
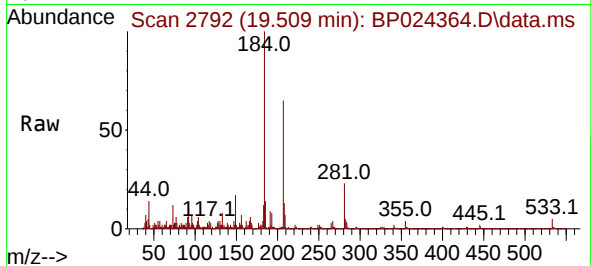




#77
Benzidine
Concen: 3.050 ng
RT: 19.509 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

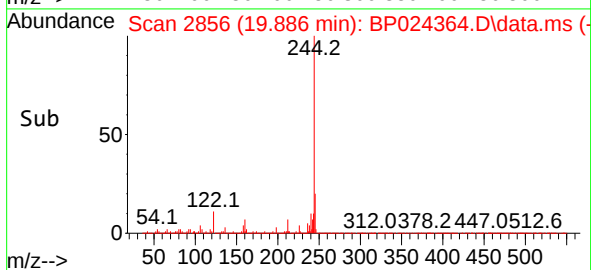
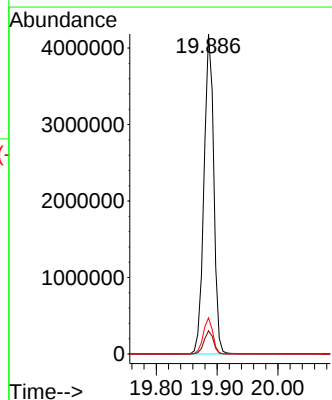
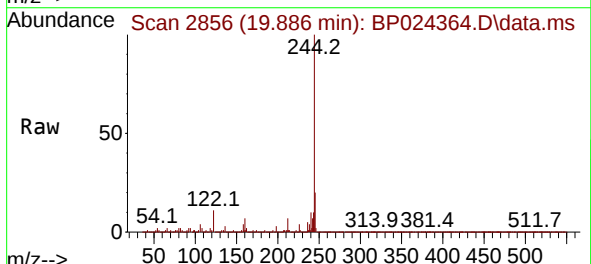
Instrument :
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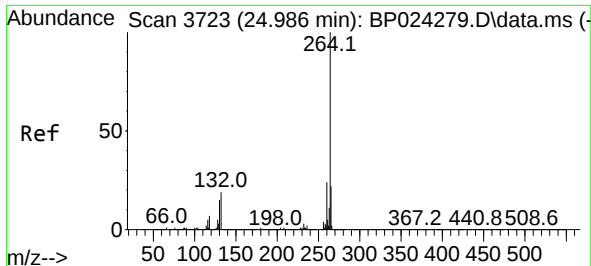
Tgt Ion:184 Resp: 43497
Ion Ratio Lower Upper
184 100
185 13.9 11.6 17.4
183 11.7 9.2 13.8



#79
Terphenyl-d14
Concen: 83.685 ng
RT: 19.886 min Scan# 2856
Delta R.T. 0.011 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

Tgt Ion:244 Resp: 4671405
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 11.2 9.4 14.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.944 min Scan# 31
Delta R.T. 0.011 min
Lab File: BP024364.D
Acq: 21 Apr 2025 16:17

Instrument :
BNA_P
ClientSampleId :
RT4643

Tgt Ion:264 Resp: 1314724

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.7	17.8	26.6

