

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025430.D
 Acq On : 15 Aug 2025 16:54
 Operator : CG/JU
 Sample : Q2814-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TW-518R-N

Quant Time: Aug 15 20:07:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

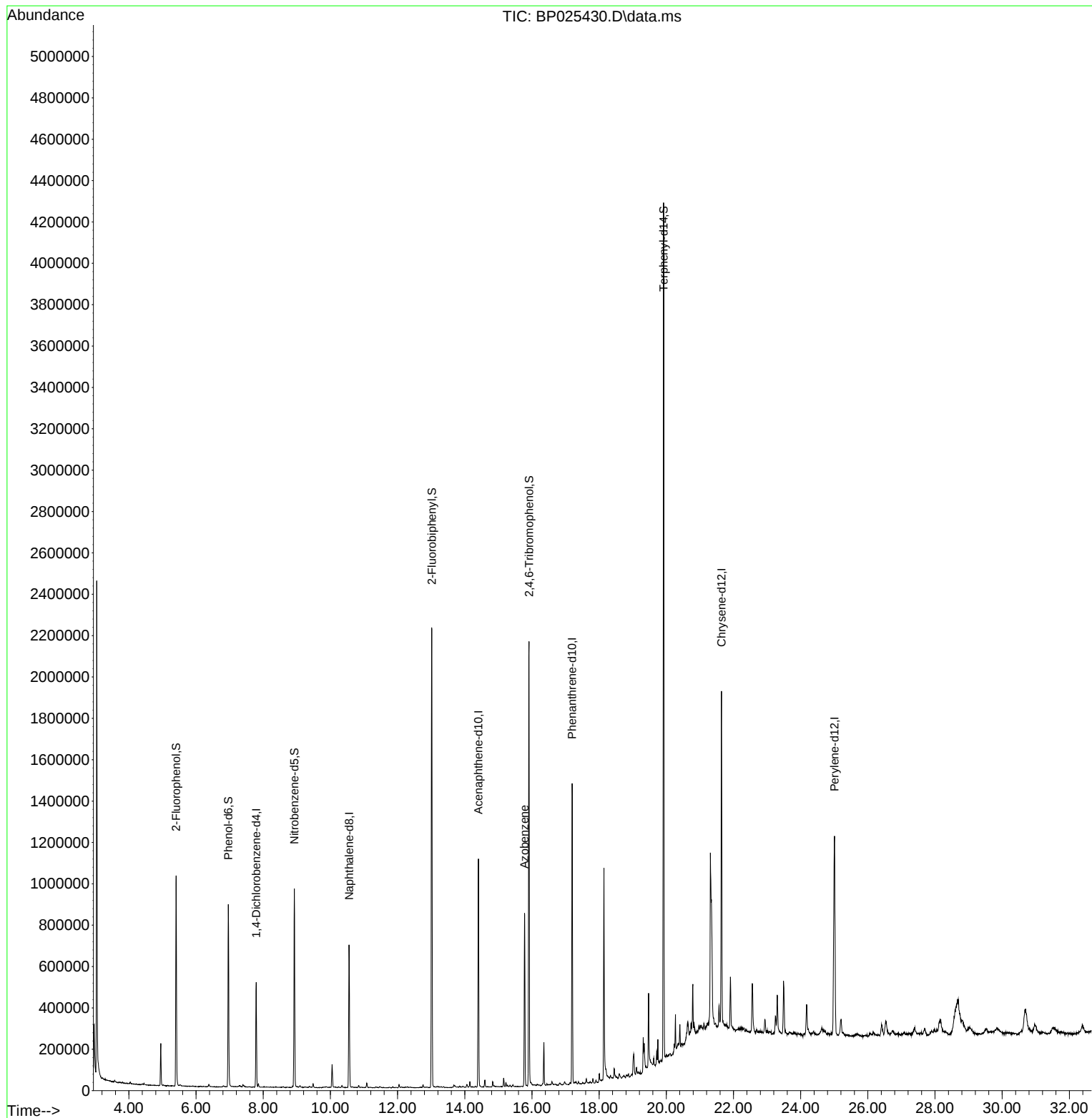
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	144702	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	586287	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	406797	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	853552	20.000	ng	0.00
76) Chrysene-d12	21.642	240	897128	20.000	ng	0.00
86) Perylene-d12	25.007	264	1017128	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	460499	52.850	ng	0.00
7) Phenol-d6	6.961	99	494034	44.224	ng	0.00
23) Nitrobenzene-d5	8.925	82	538759	46.485	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	402245	73.462	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1266889	42.563	ng	0.00
79) Terphenyl-d14	19.919	244	2187373	44.609	ng	0.00
Target Compounds						
63) Azobenzene	15.778	77	252537	9.744	ng	Qvalue # 1

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

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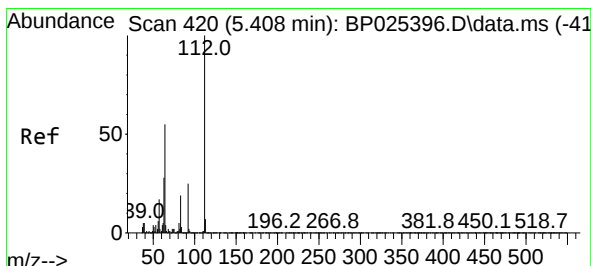
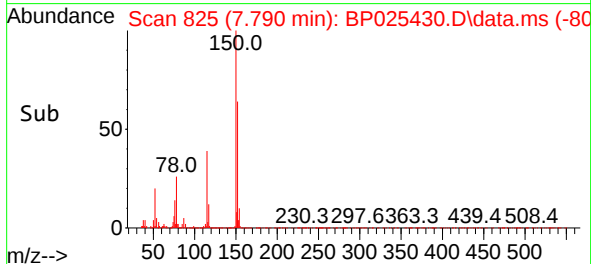
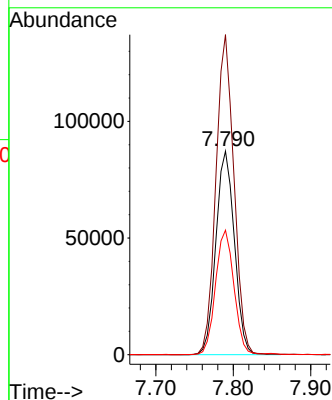
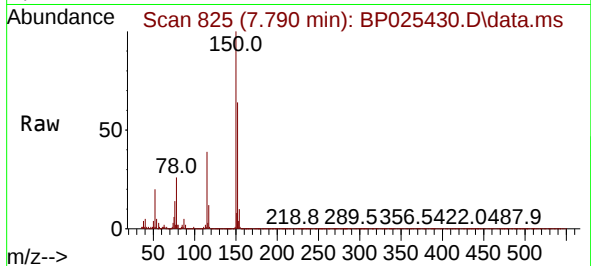




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

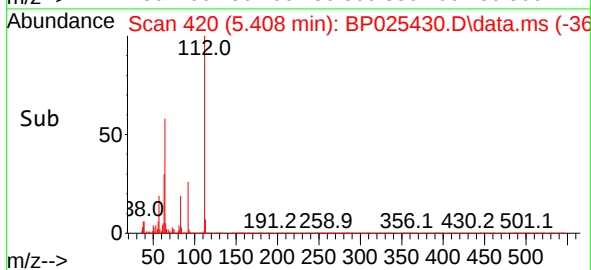
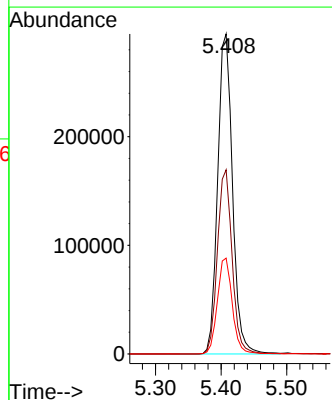
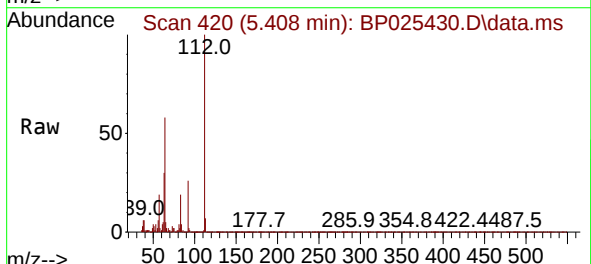
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

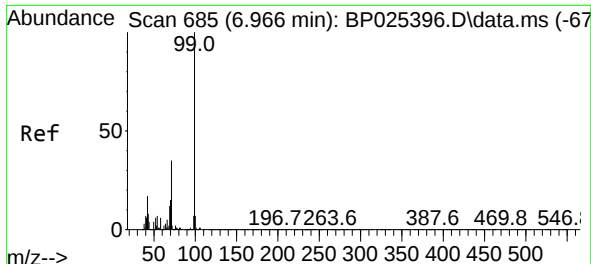
Tgt Ion:152 Resp: 144702
Ion Ratio Lower Upper
152 100
150 157.2 125.9 188.9
115 61.1 48.5 72.7



#5
2-Fluorophenol
Concen: 52.850 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion:112 Resp: 460499
Ion Ratio Lower Upper
112 100
64 57.6 43.8 65.8
63 29.9 22.7 34.1

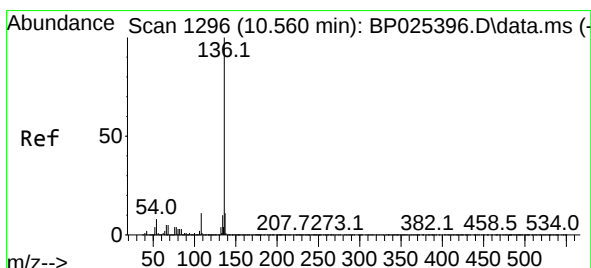
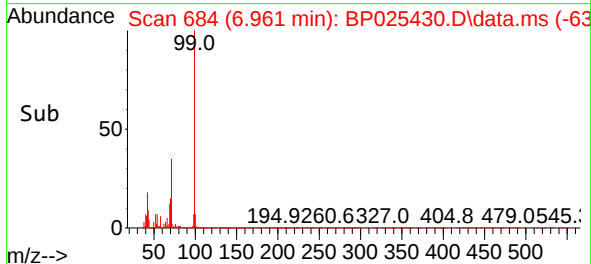
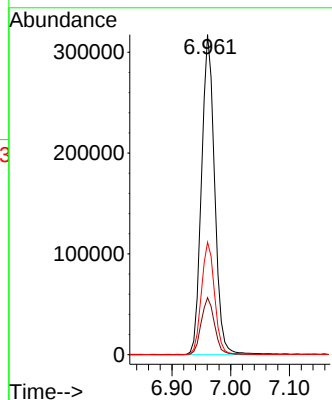
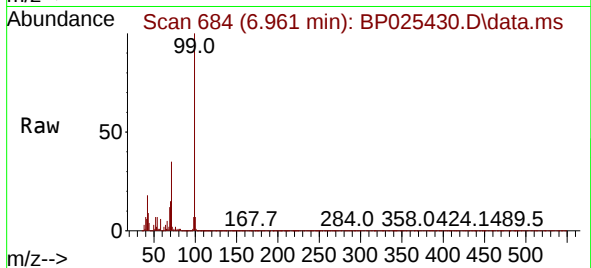




#7
Phenol-d6
Concen: 44.224 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

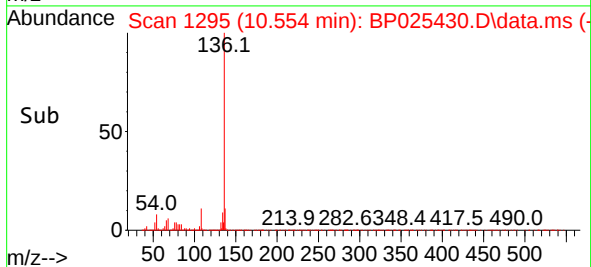
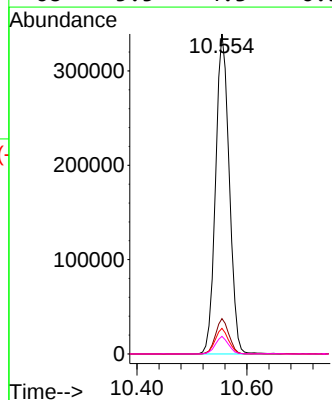
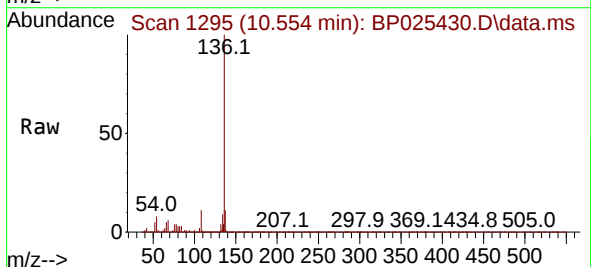
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

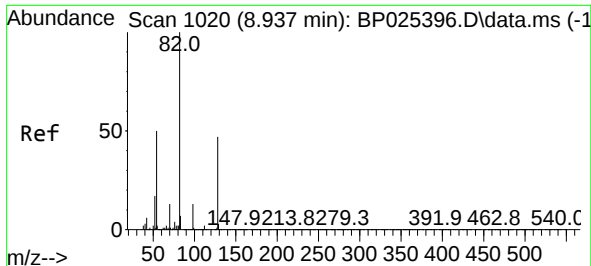
Tgt Ion: 99 Resp: 494034
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion: 136 Resp: 586287
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.0 6.0 9.0
68 5.5 4.3 6.5

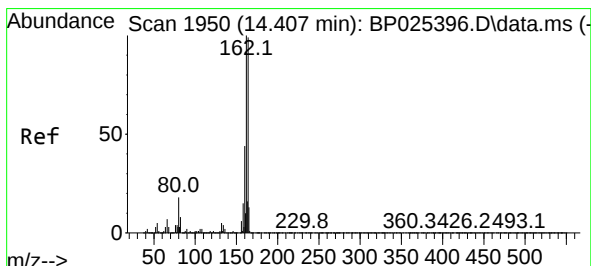
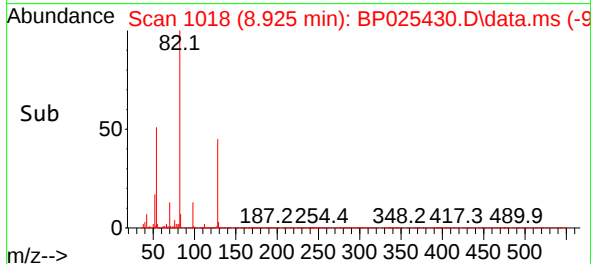
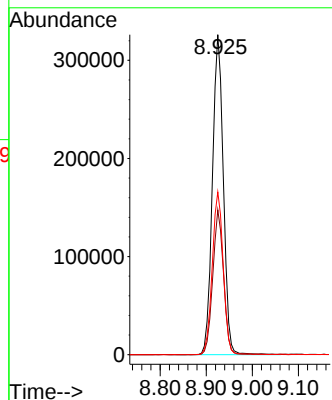
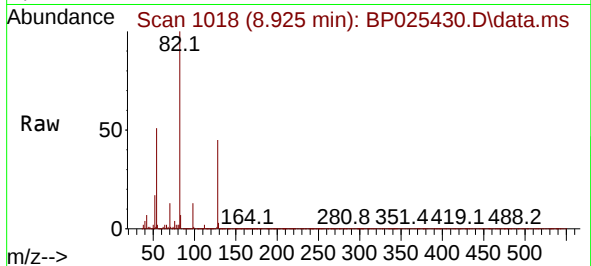




#23
Nitrobenzene-d5
Concen: 46.485 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

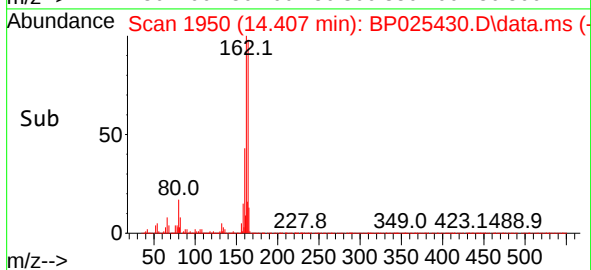
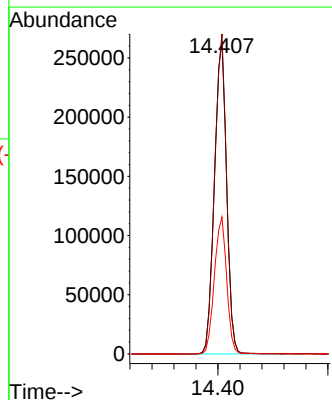
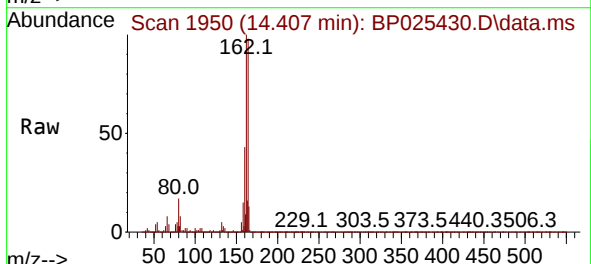
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Tgt Ion: 82 Resp: 538759
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 50.9 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion:164 Resp: 406797
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 43.8 35.4 53.2

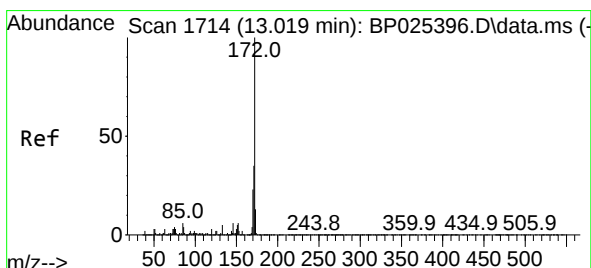
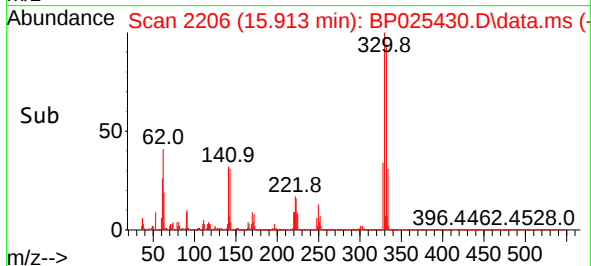
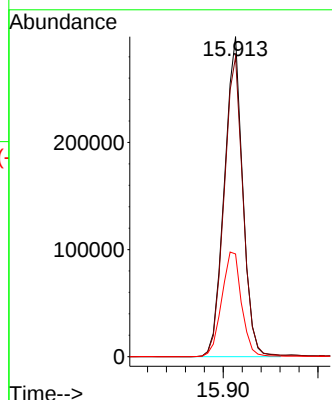
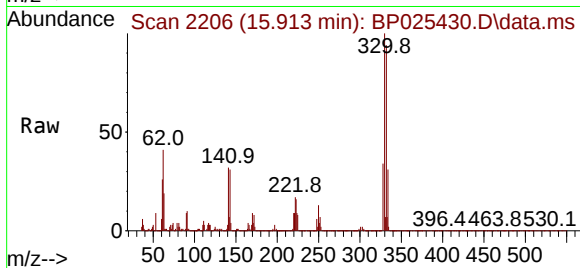




#42
2,4,6-Tribromophenol
Concen: 73.462 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

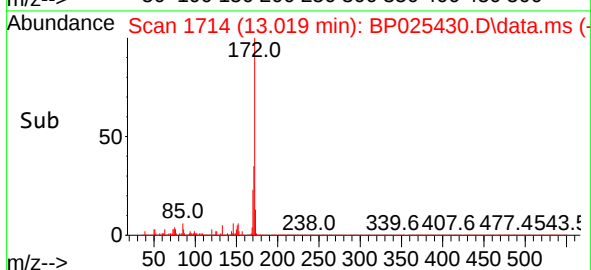
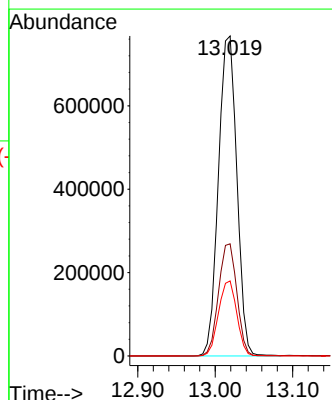
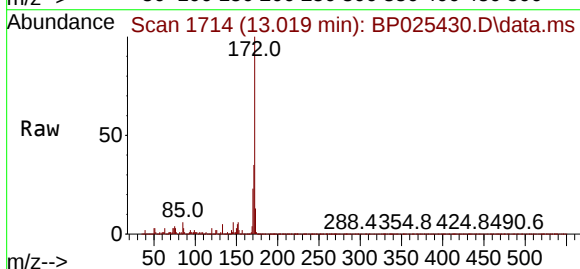
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

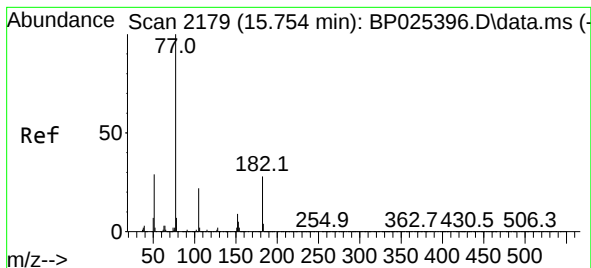
Tgt Ion:330 Resp: 402245
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 35.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 42.563 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion:172 Resp: 1266889
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.4 18.6 28.0





#63

Azobenzene

Concen: 9.744 ng

RT: 15.778 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP025430.D

Acq: 15 Aug 2025 16:54

Instrument :

BNA_P

ClientSampleId :

TW-518R-N

Tgt Ion: 77 Resp: 252537

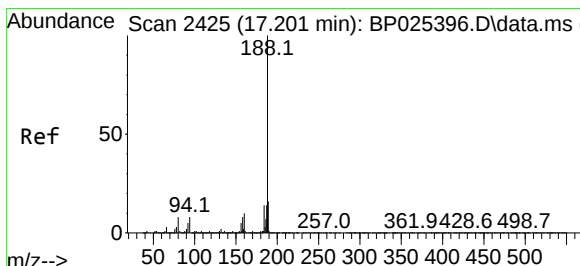
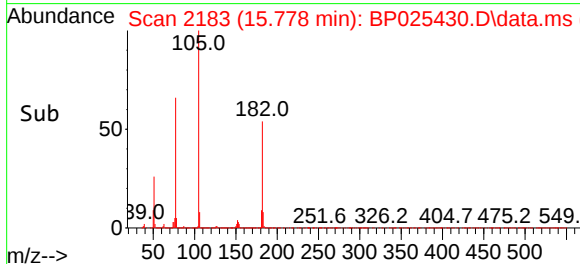
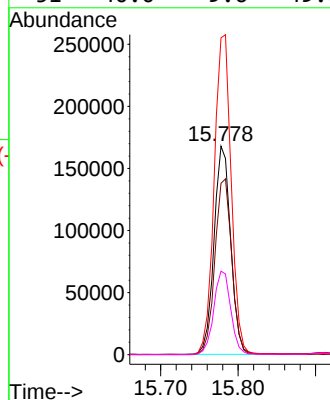
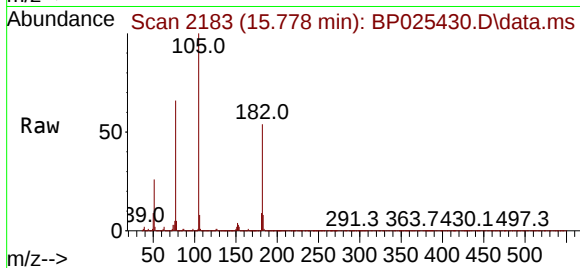
Ion Ratio Lower Upper

77 100

182 82.2 7.5 47.5#

105 151.9 2.1 42.1#

51 40.0 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP025430.D

Acq: 15 Aug 2025 16:54

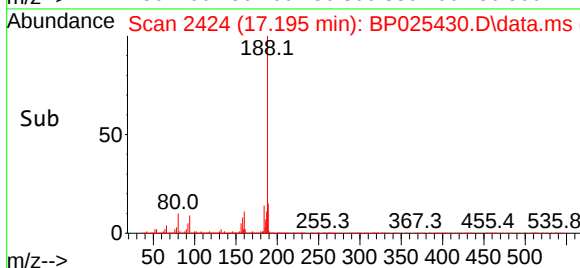
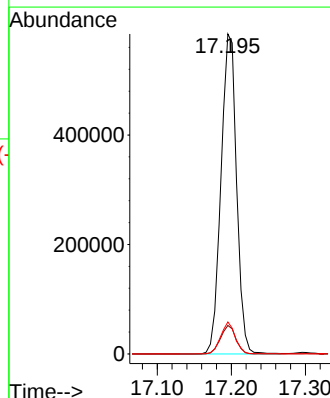
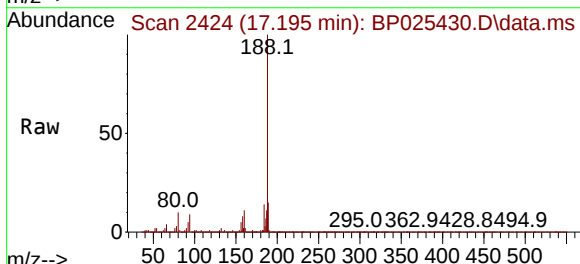
Tgt Ion:188 Resp: 853552

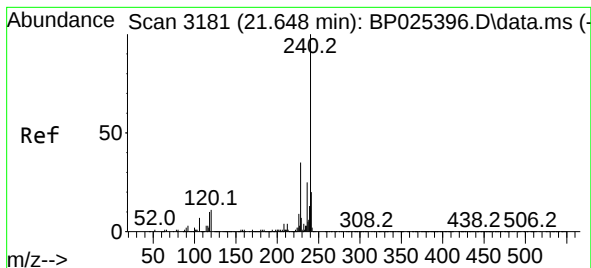
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 10.0 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3181

Delta R.T. -0.006 min

Lab File: BP025430.D

Acq: 15 Aug 2025 16:54

Instrument :

BNA_P

ClientSampleId :

TW-518R-N

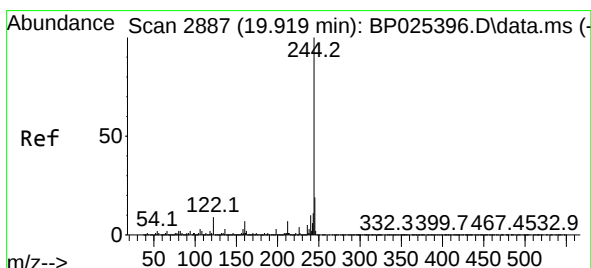
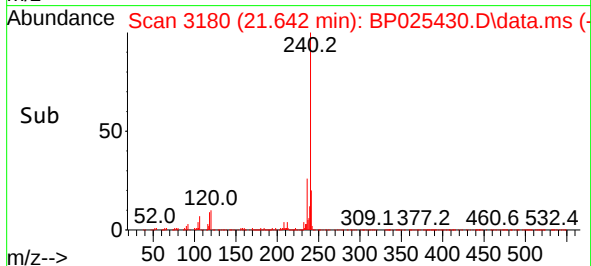
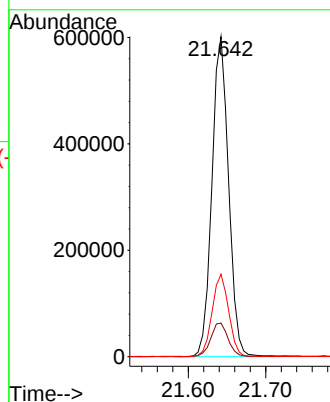
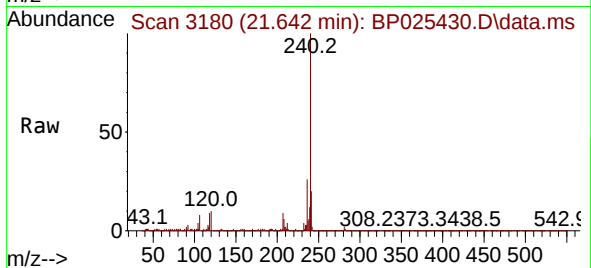
Tgt Ion:240 Resp: 897128

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.8 19.8 29.8



#79

Terphenyl-d14

Concen: 44.609 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025430.D

Acq: 15 Aug 2025 16:54

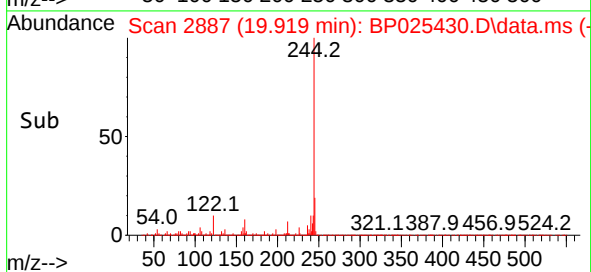
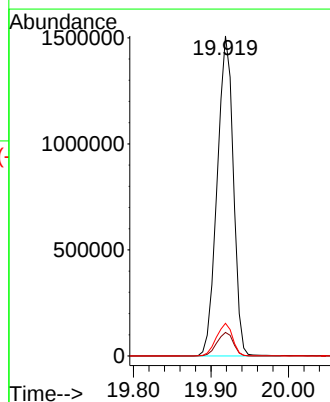
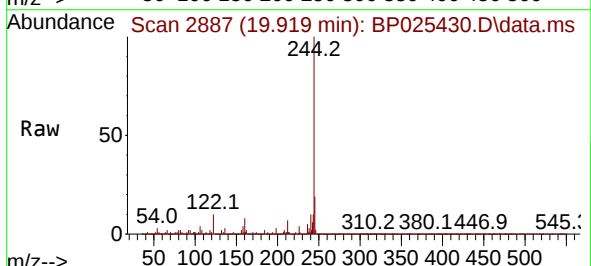
Tgt Ion:244 Resp: 2187373

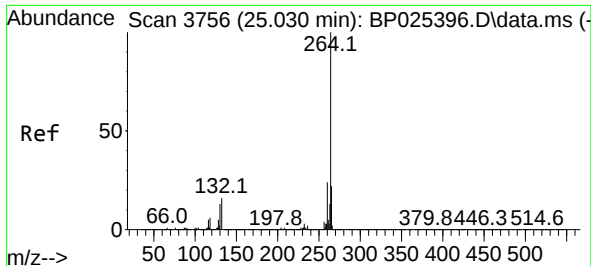
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.2 7.4 11.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.007 min Scan# 31
 Delta R.T. -0.023 min
 Lab File: BP025430.D
 Acq: 15 Aug 2025 16:54

Instrument :
 BNA_P
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Tgt Ion:264 Resp: 1017128
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.3 28.9
 265 21.9 17.4 26.0

