

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025880.D
 Acq On : 29 Sep 2025 14:23
 Operator : CG/JU
 Sample : Q3210-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SG-1

Quant Time: Sep 29 15:00:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

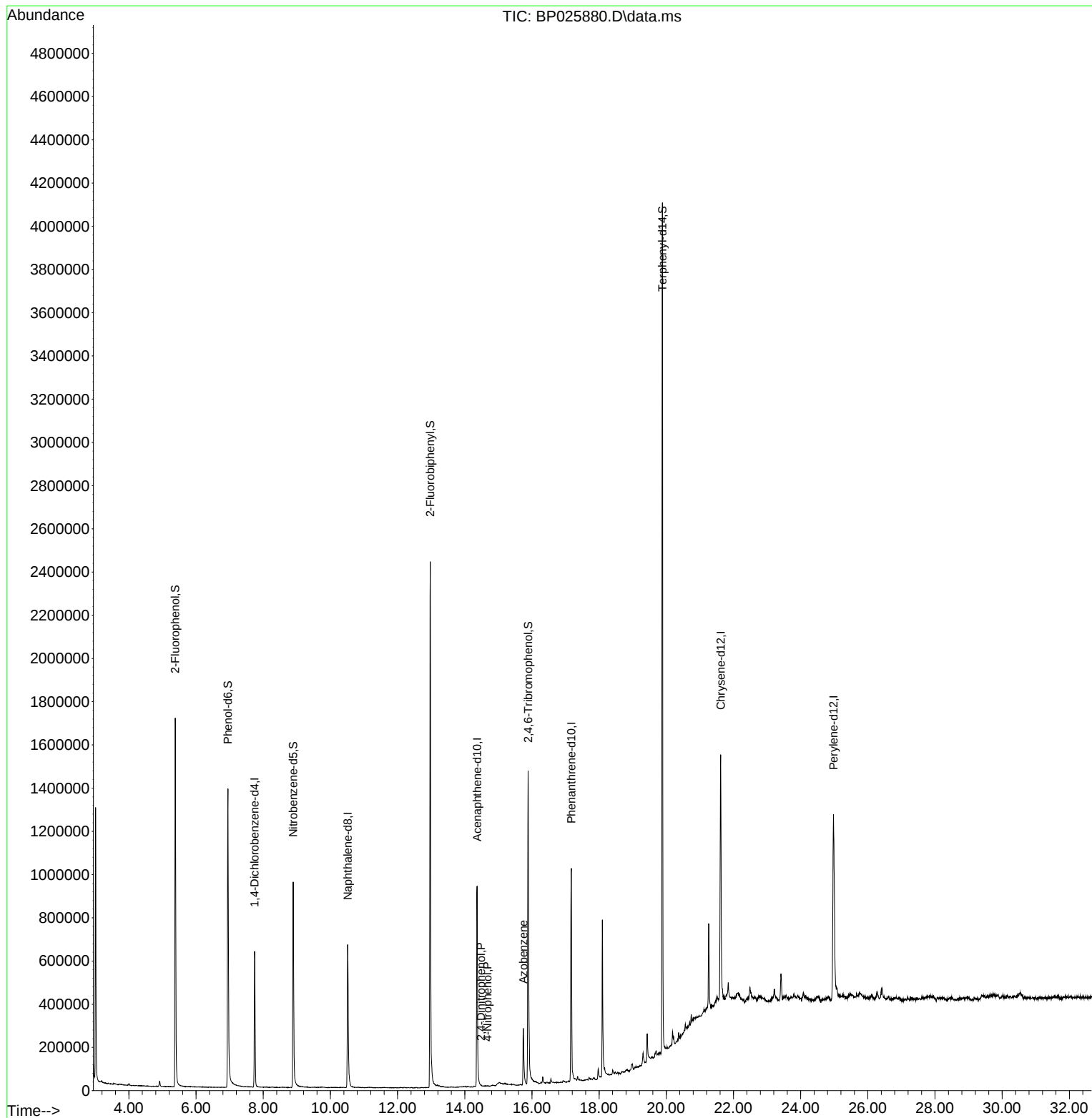
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	186530	20.000	ng	-0.02
21) Naphthalene-d8	10.513	136	682496	20.000	ng	-0.01
39) Acenaphthene-d10	14.366	164	409394	20.000	ng	-0.01
64) Phenanthrene-d10	17.172	188	780801	20.000	ng	-0.01
76) Chrysene-d12	21.619	240	914213	20.000	ng	-0.02
86) Perylene-d12	24.977	264	1089506	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	875147	75.703	ng	0.00
7) Phenol-d6	6.949	99	1056152	68.735	ng	0.00
23) Nitrobenzene-d5	8.890	82	654639	42.311	ng	-0.01
42) 2,4,6-Tribromophenol	15.889	330	410668	80.423	ng	-0.02
45) 2-Fluorobiphenyl	12.972	172	1505898	48.978	ng	-0.02
79) Terphenyl-d14	19.883	244	2191943	43.133	ng	-0.03
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.484	184	4	4.825	ng	# 1
56) 4-Nitrophenol	14.678	139	89	4.496	ng	# 1
63) Azobenzene	15.742	77	107311	3.501	ng	# 1

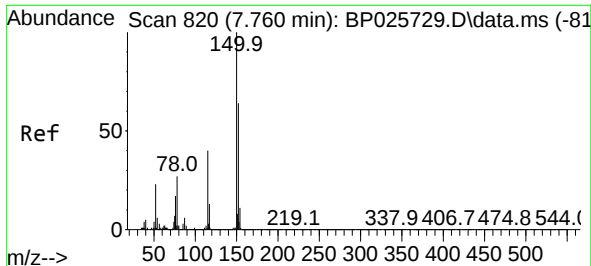
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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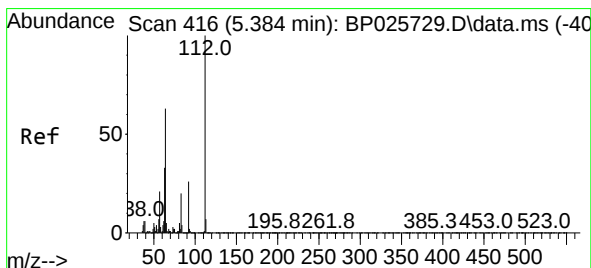
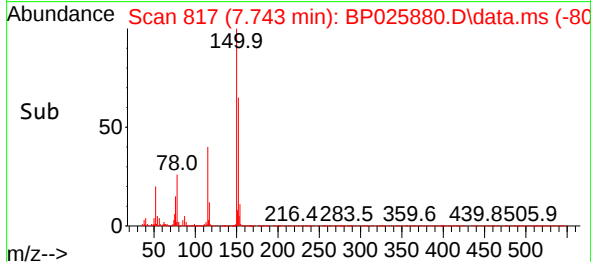
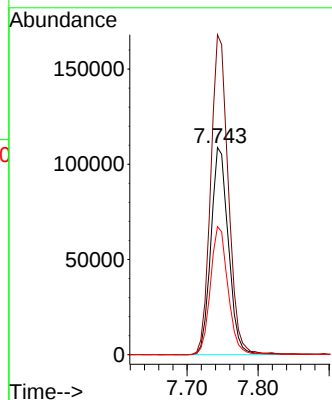
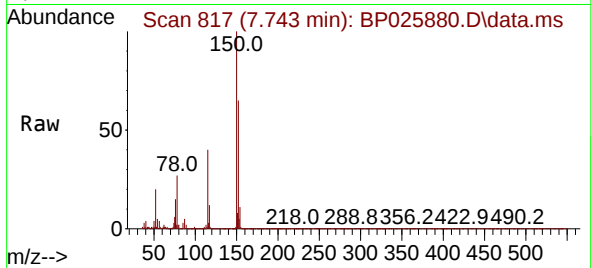




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

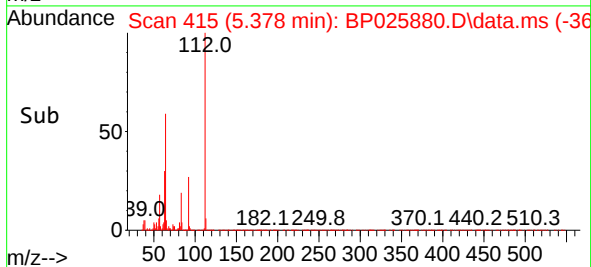
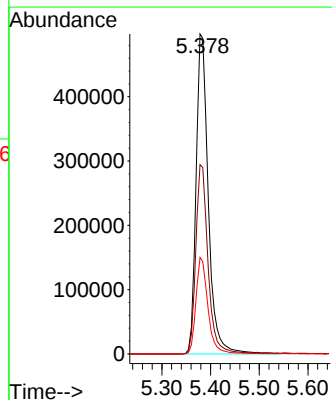
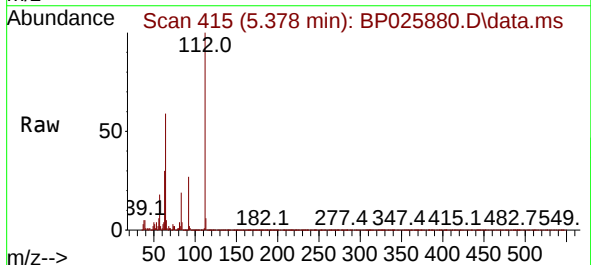
Instrument :
BNA_P
ClientSampleId :
SG-1

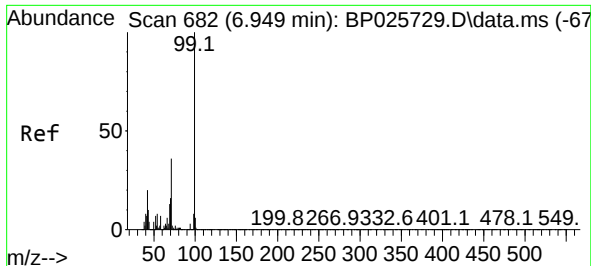
Tgt Ion:152 Resp: 186530
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 61.8 50.3 75.5



#5
2-Fluorophenol
Concen: 75.703 ng
RT: 5.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

Tgt Ion:112 Resp: 875147
Ion Ratio Lower Upper
112 100
64 59.1 50.2 75.4
63 30.2 26.7 40.1

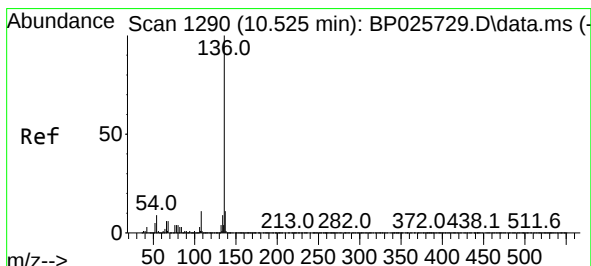
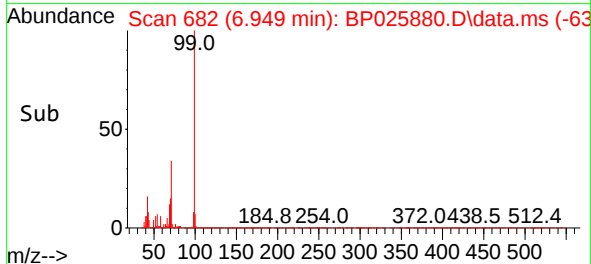
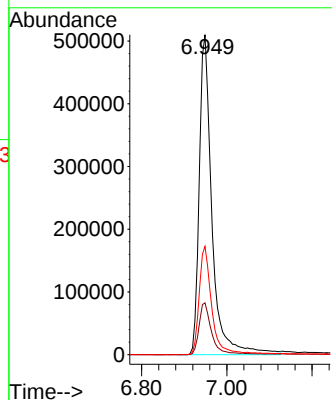
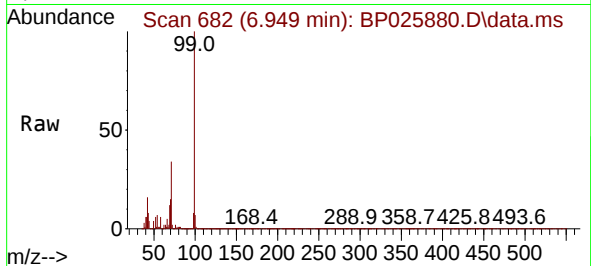




#7
Phenol-d6
Concen: 68.735 ng
RT: 6.949 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

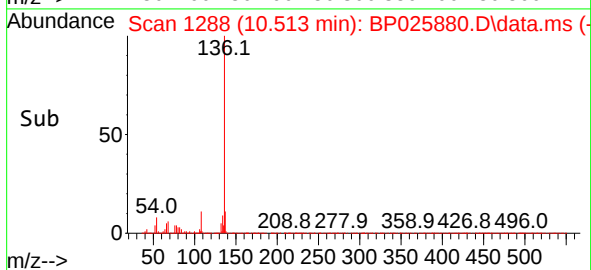
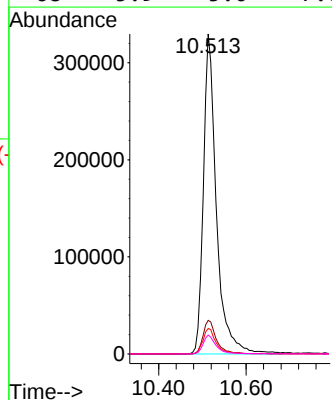
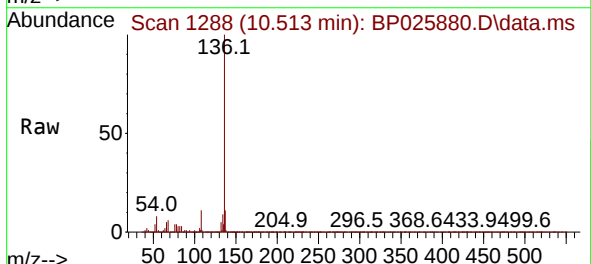
Instrument :
BNA_P
ClientSampleId :
SG-1

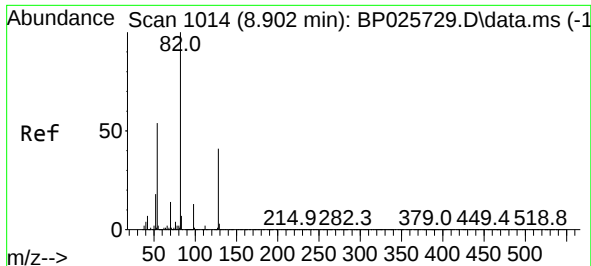
Tgt Ion: 99 Resp: 1056152
Ion Ratio Lower Upper
99 100
42 16.2 15.6 23.4
71 33.8 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

Tgt Ion: 136 Resp: 682496
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.0 7.5 11.3
68 5.9 5.0 7.6

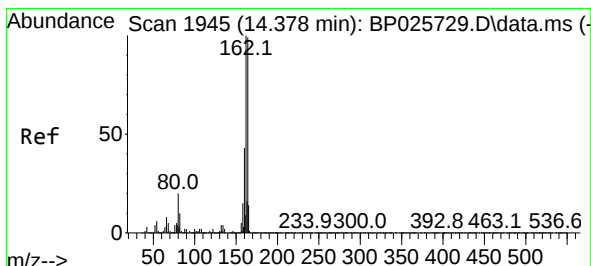
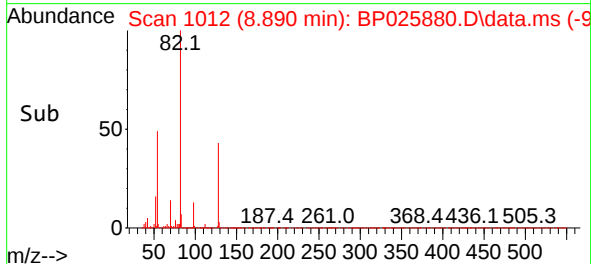
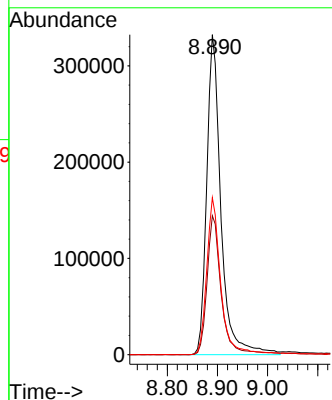
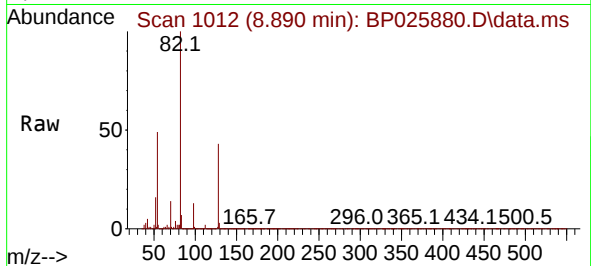




#23
Nitrobenzene-d5
Concen: 42.311 ng
RT: 8.890 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

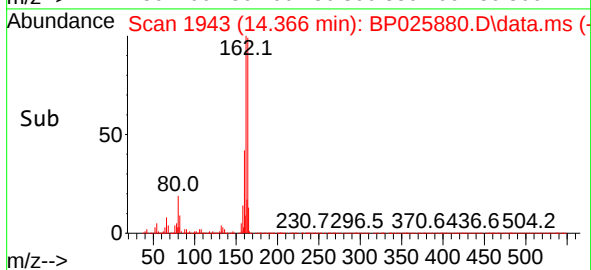
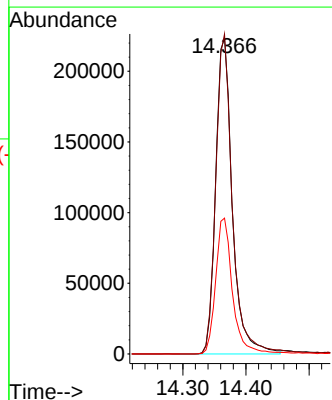
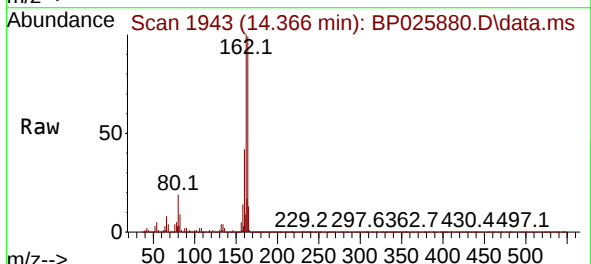
Instrument :
BNA_P
ClientSampleId :
SG-1

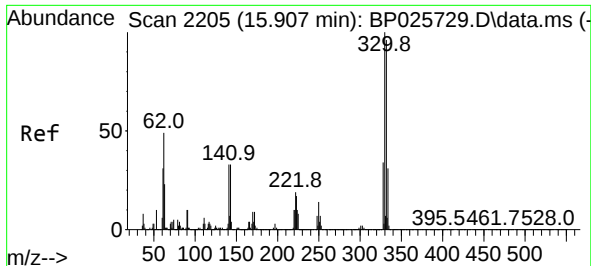
Tgt Ion: 82 Resp: 654639
Ion Ratio Lower Upper
82 100
128 43.4 32.9 49.3
54 49.1 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

Tgt Ion: 164 Resp: 409394
Ion Ratio Lower Upper
164 100
162 101.5 80.6 120.8
160 43.1 35.0 52.6

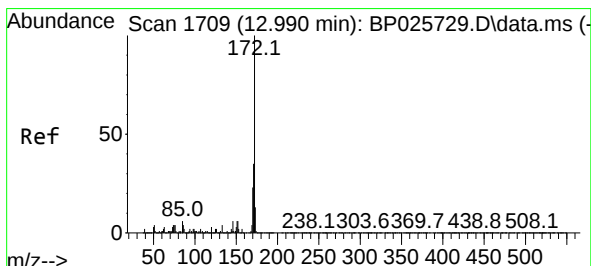
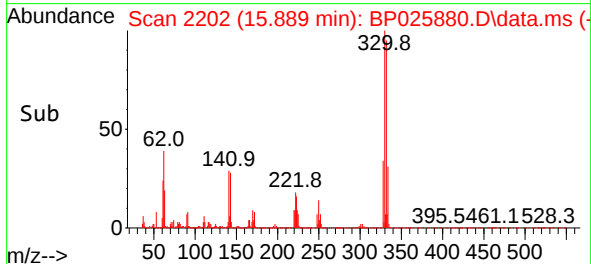
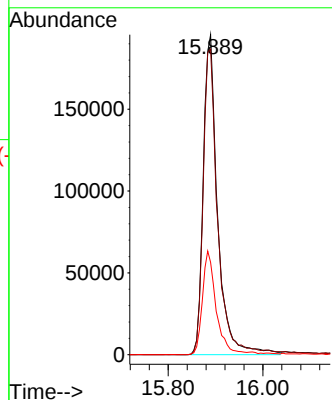
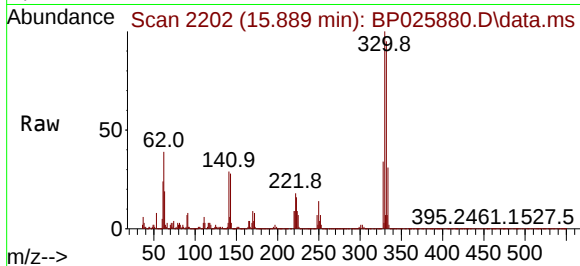




#42
2,4,6-Tribromophenol
Concen: 80.423 ng
RT: 15.889 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

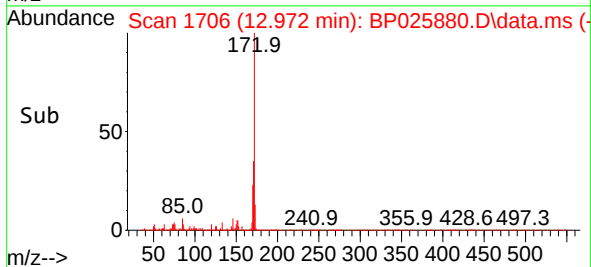
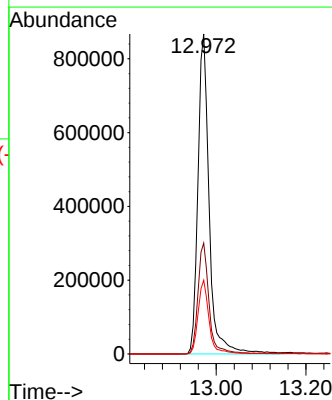
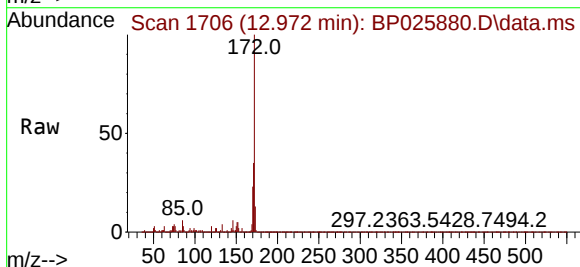
Instrument :
BNA_P
ClientSampleId :
SG-1

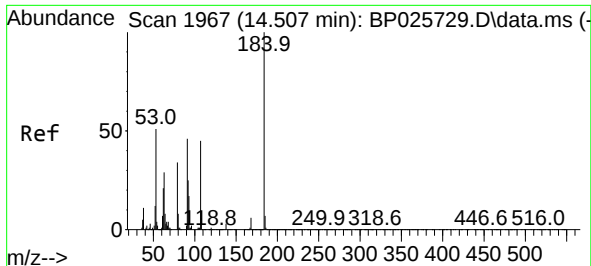
Tgt Ion:330 Resp: 410668
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 30.8 31.0 46.4#



#45
2-Fluorobiphenyl
Concen: 48.978 ng
RT: 12.972 min Scan# 1706
Delta R.T. -0.018 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

Tgt Ion:172 Resp: 1505898
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.0 18.6 27.8

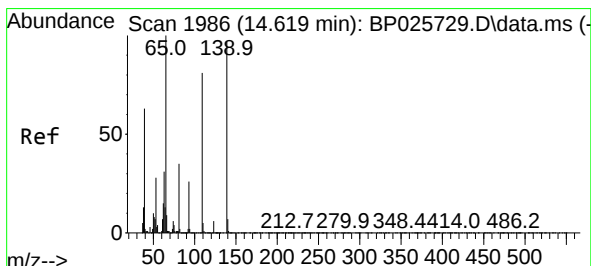
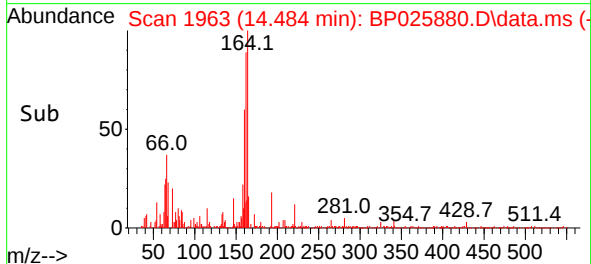
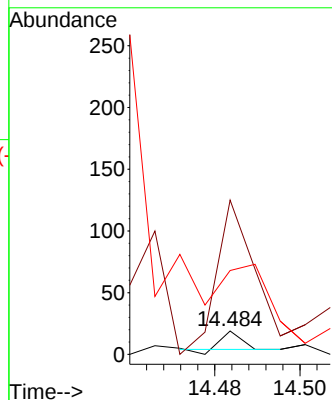
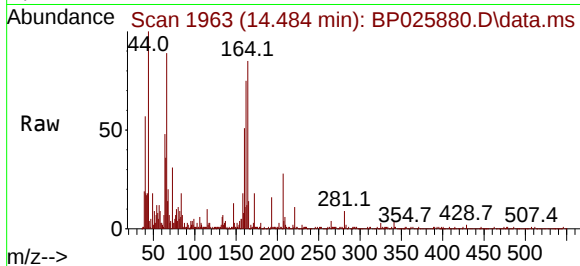




#54
2,4-Dinitrophenol
Concen: 4.825 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.023 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

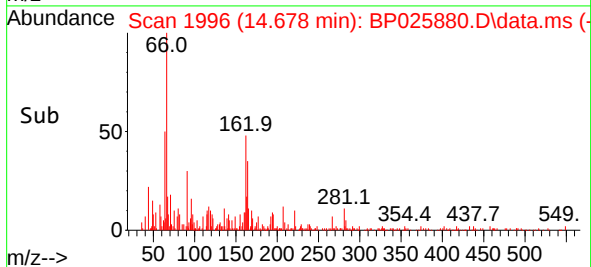
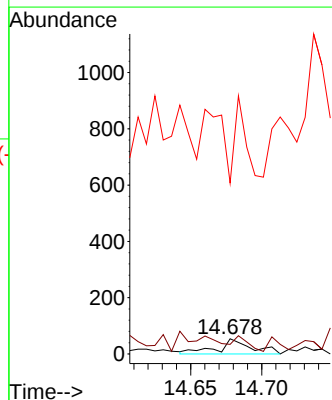
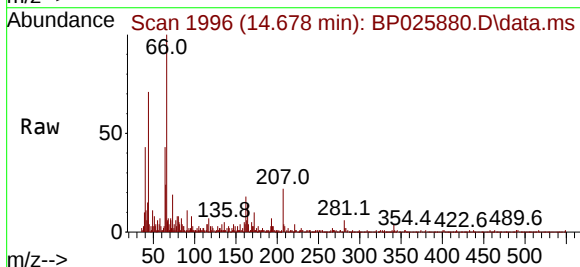
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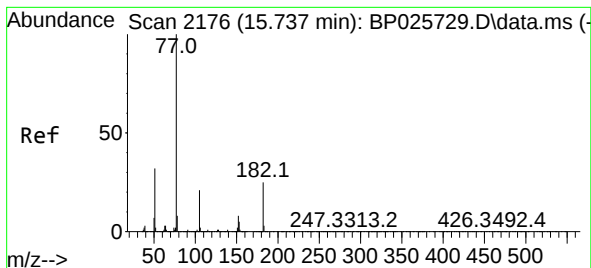
Tgt Ion:184 Resp: 4
Ion Ratio Lower Upper
184 100
63 657.9 52.5 78.7#
154 357.9 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.496 ng
RT: 14.678 min Scan# 1996
Delta R.T. 0.059 min
Lab File: BP025880.D
Acq: 29 Sep 2025 14:23

Tgt Ion:139 Resp: 89
Ion Ratio Lower Upper
139 100
109 63.0 62.9 102.9
65 1124.1 83.4 123.4#





#63

Azobenzene

Concen: 3.501 ng

RT: 15.742 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025880.D

Acq: 29 Sep 2025 14:23

Instrument :

BNA_P

ClientSampleId :

SG-1

Tgt Ion: 77 Resp: 107311

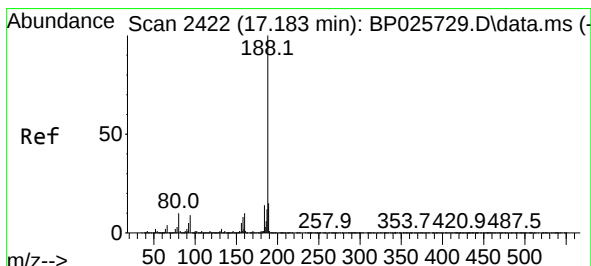
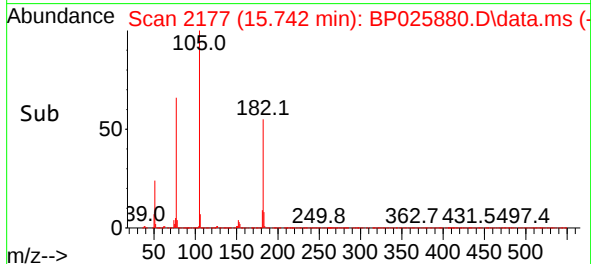
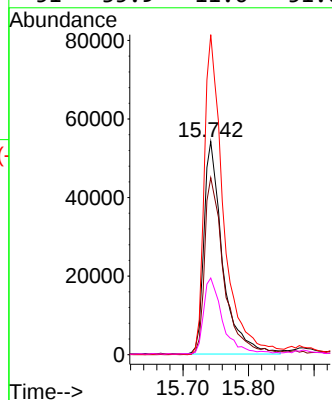
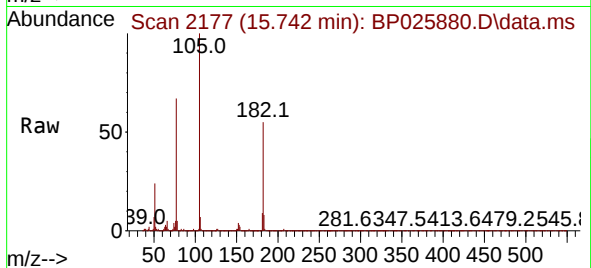
Ion Ratio Lower Upper

77 100

182 83.0 5.2 45.2#

105 150.1 1.1 41.1#

51 35.9 11.6 51.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.172 min Scan# 2420

Delta R.T. -0.012 min

Lab File: BP025880.D

Acq: 29 Sep 2025 14:23

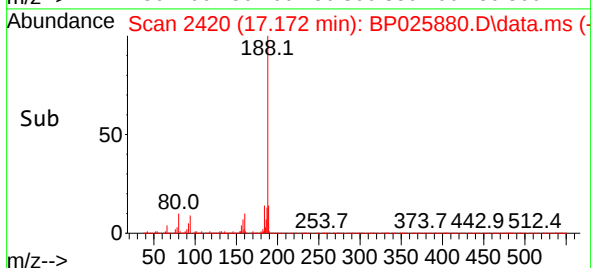
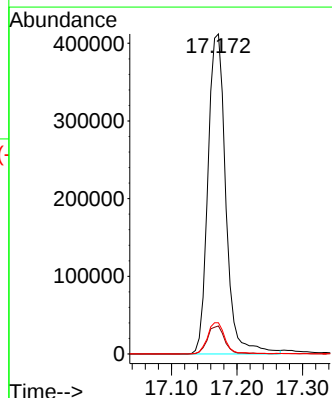
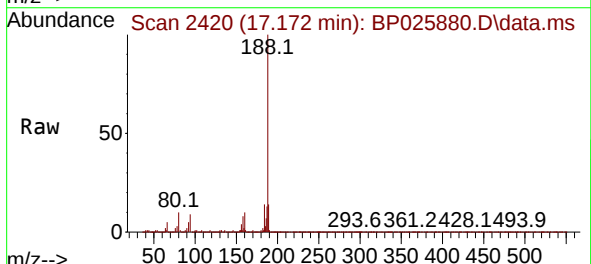
Tgt Ion:188 Resp: 780801

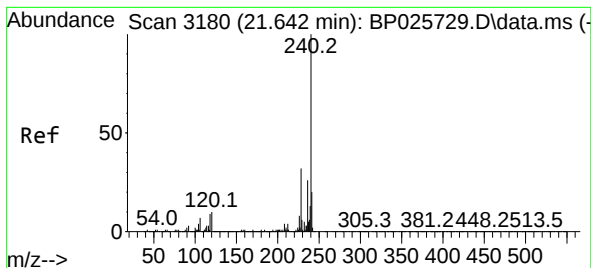
Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.0

80 9.7 7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 3180

Delta R.T. -0.024 min

Lab File: BP025880.D

Acq: 29 Sep 2025 14:23

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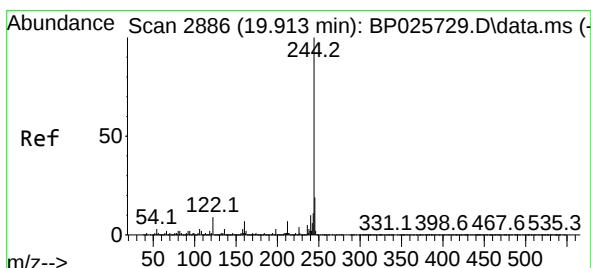
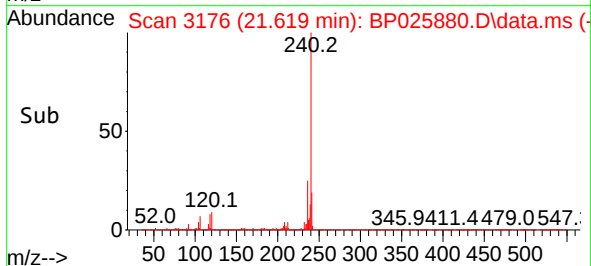
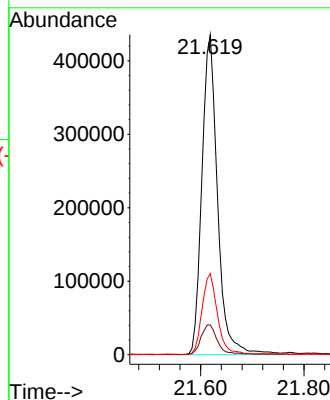
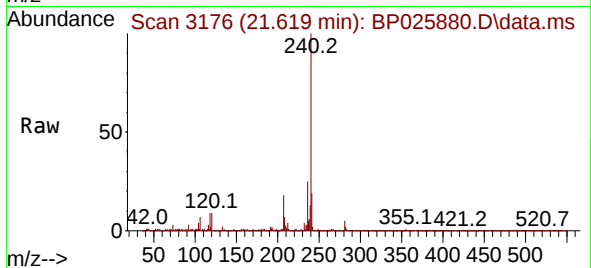
Tgt Ion:240 Resp: 914213

Ion Ratio Lower Upper

240 100

120 9.3 8.0 12.0

236 25.3 20.7 31.1



#79

Terphenyl-d14

Concen: 43.133 ng

RT: 19.883 min Scan# 2881

Delta R.T. -0.029 min

Lab File: BP025880.D

Acq: 29 Sep 2025 14:23

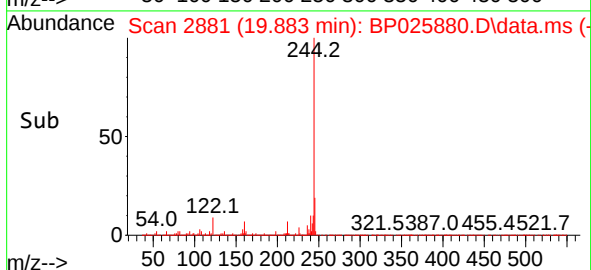
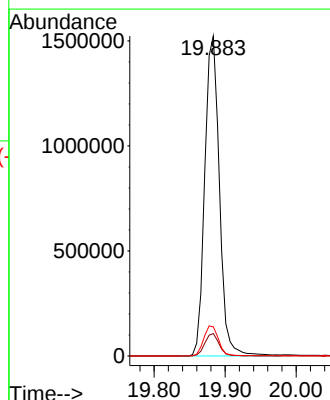
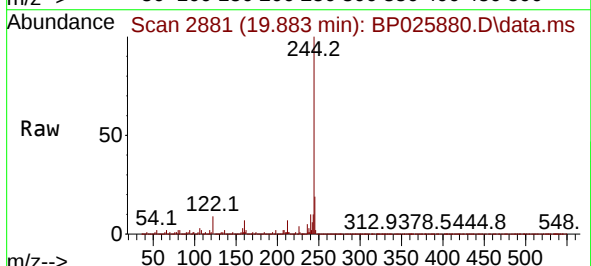
Tgt Ion:244 Resp: 2191943

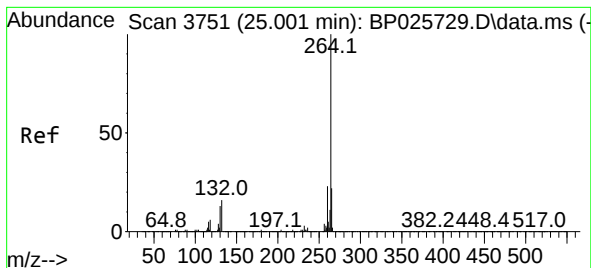
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 9.1 7.1 10.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025880.D

Acq: 29 Sep 2025 14:23

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:264 Resp: 1089506

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 21.7 17.3 25.9

