

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025380.D
 Acq On : 13 Aug 2025 11:59
 Operator : CG/JU
 Sample : Q2820-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 82H-W

Quant Time: Aug 13 12:25:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

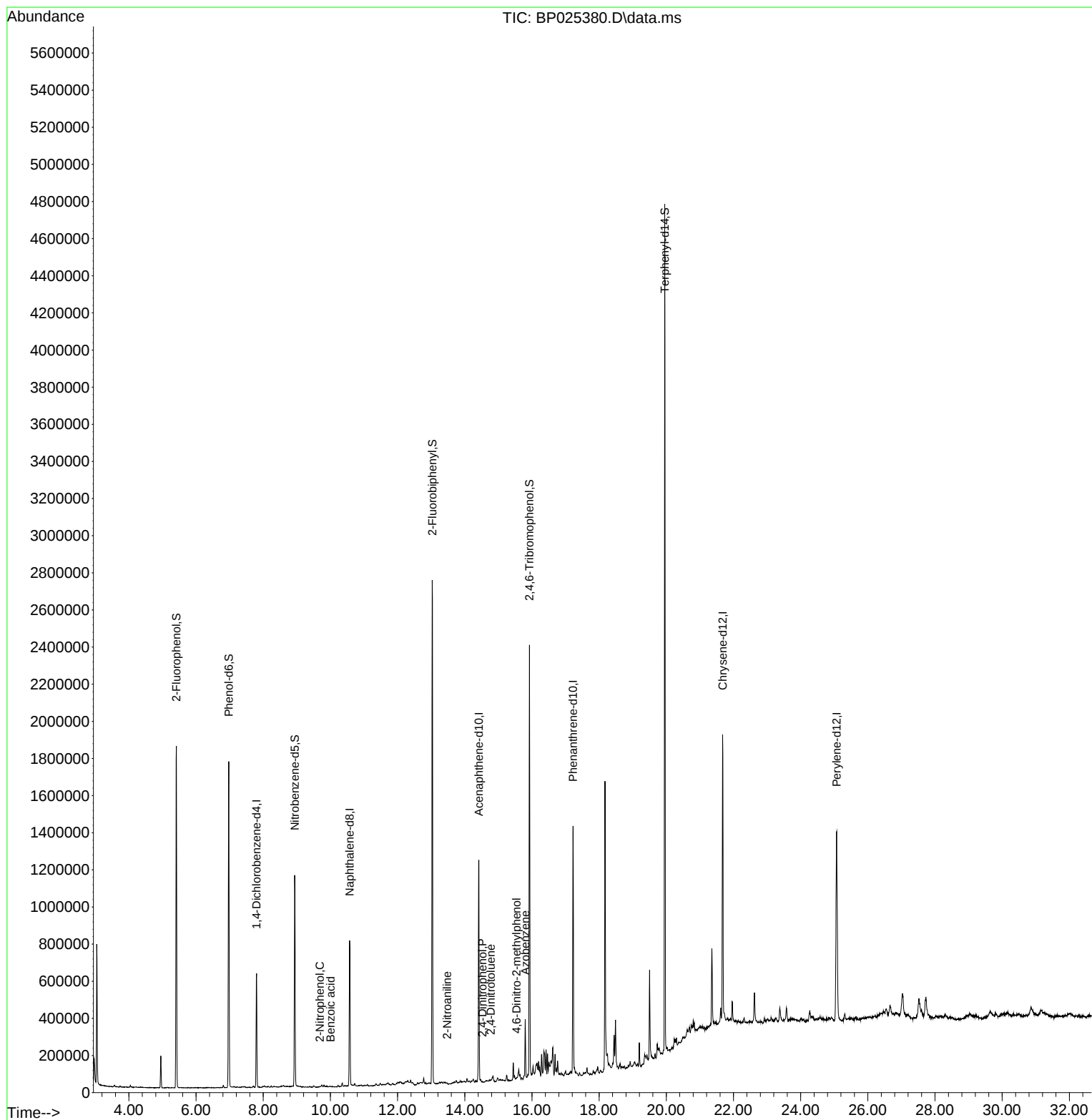
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	171862	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	680768	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	418215	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	828576	20.000	ng	0.00
76) Chrysene-d12	21.677	240	902451	20.000	ng	0.02
86) Perylene-d12	25.071	264	1042273	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	825808	77.283	ng	0.00
7) Phenol-d6	6.972	99	1020820	72.589	ng	0.00
23) Nitrobenzene-d5	8.937	82	644779	52.472	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	440922	105.682	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1387903	45.837	ng	0.00
79) Terphenyl-d14	19.954	244	2175182	45.525	ng	0.01
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.684	139	872	3.797	ng	# 52
32) Benzoic acid	10.007	122	138	5.977	ng	93
48) 2-Nitroaniline	13.478	65	939	3.092	ng	95
54) 2,4-Dinitrophenol	14.525	184	1617	2.824	ng	# 35
57) 2,4-Dinitrotoluene	14.772	165	3591	3.639	ng	# 95
63) Azobenzene	15.801	77	90076	3.155	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.542	198	818	5.101	ng	# 1

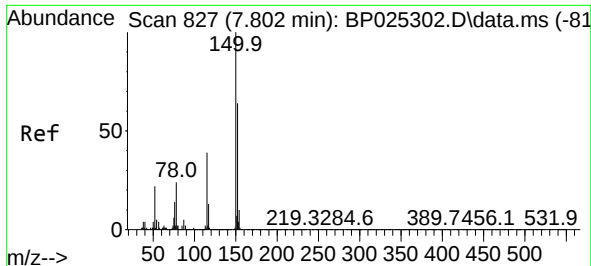
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Time: Aug 13 12:25:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

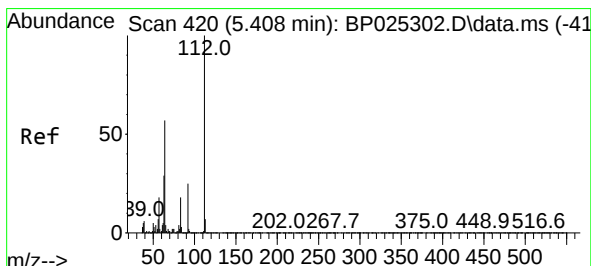
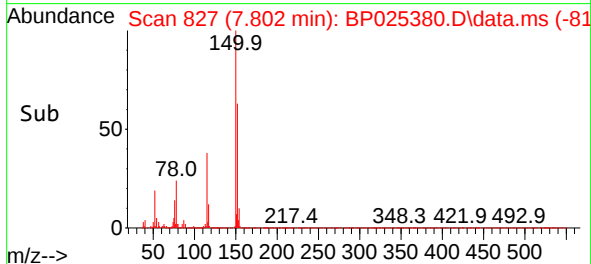
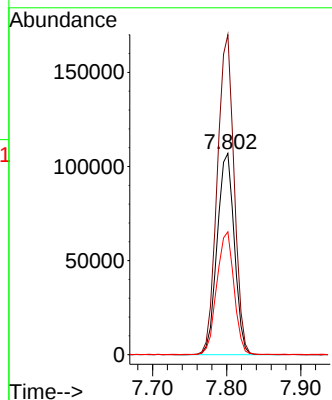
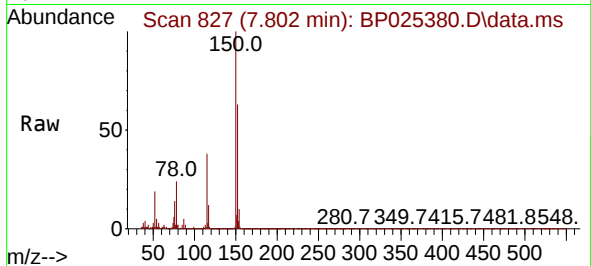




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

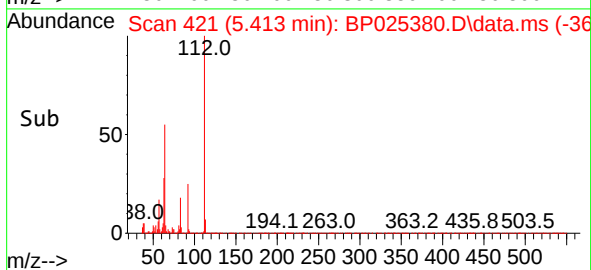
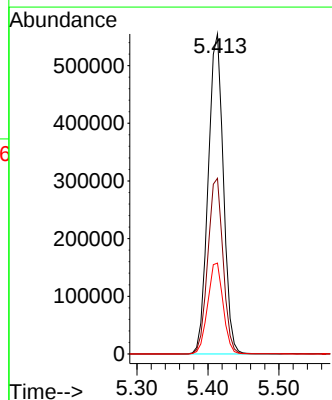
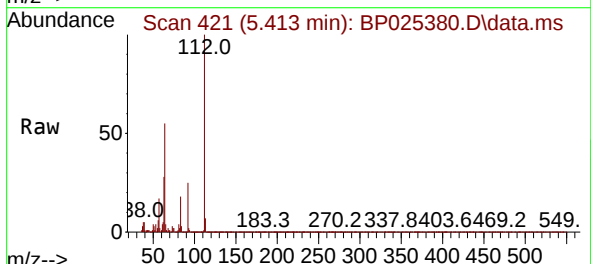
Instrument :
BNA_P
ClientSampleId :
82H-W

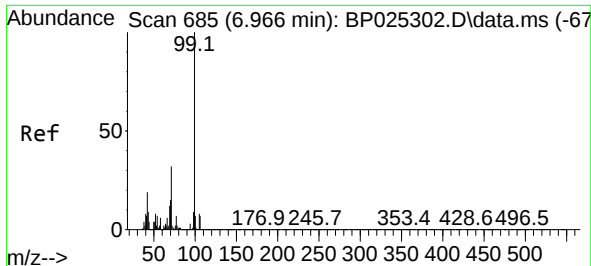
Tgt Ion:152 Resp: 171862
Ion Ratio Lower Upper
152 100
150 159.0 125.1 187.7
115 61.1 48.4 72.6



#5
2-Fluorophenol
Concen: 77.283 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:112 Resp: 825808
Ion Ratio Lower Upper
112 100
64 54.9 45.3 67.9
63 28.4 23.0 34.6

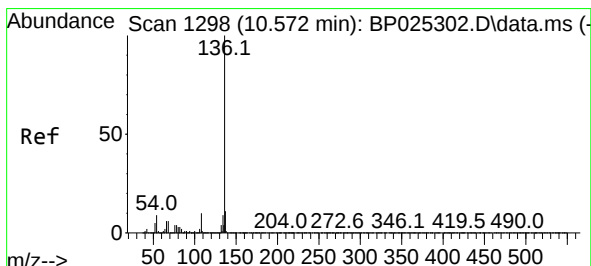
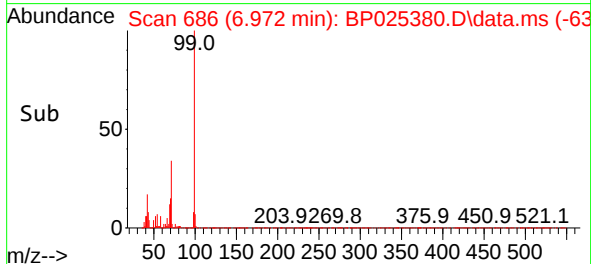
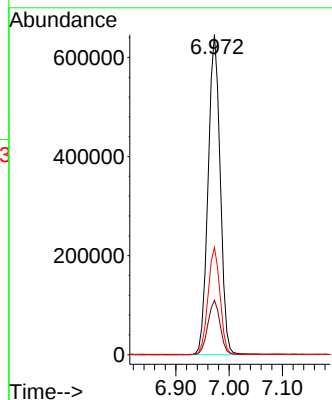
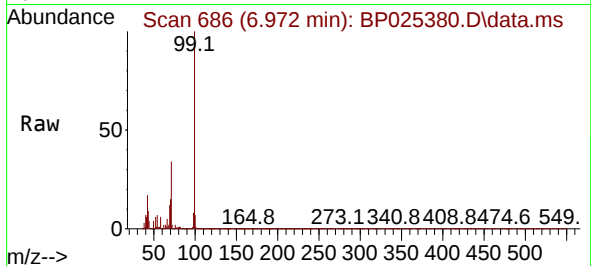




#7
Phenol-d6
Concen: 72.589 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

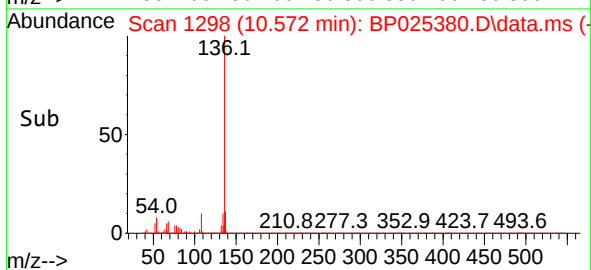
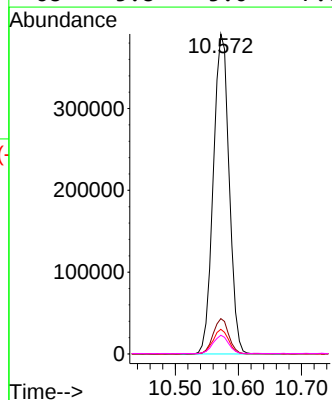
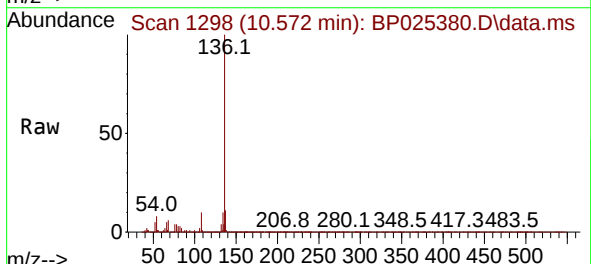
Instrument :
BNA_P
ClientSampleId :
82H-W

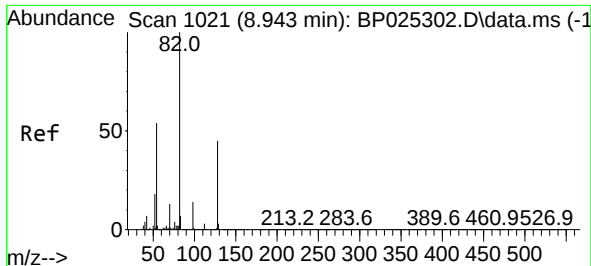
Tgt Ion: 99 Resp: 1020820
Ion Ratio Lower Upper
99 100
42 17.0 15.0 22.6
71 33.5 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion: 136 Resp: 680768
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.7 7.0 10.6
68 5.8 5.0 7.6

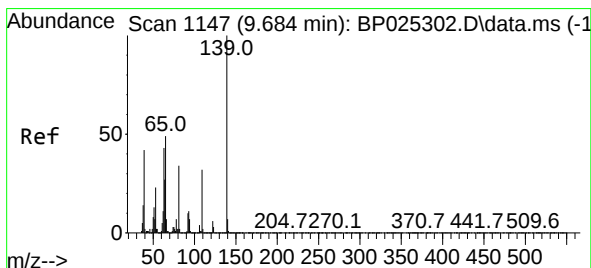
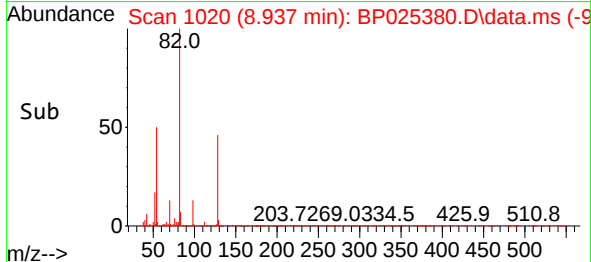
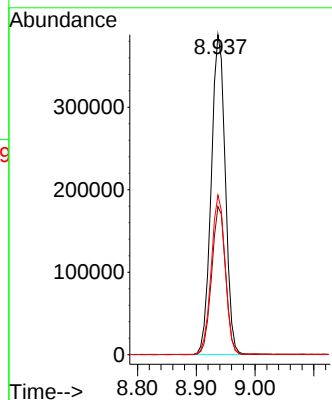
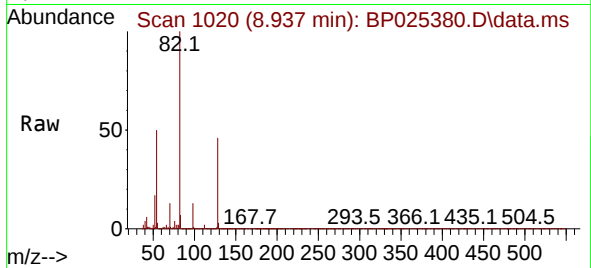




#23
Nitrobenzene-d5
Concen: 52.472 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

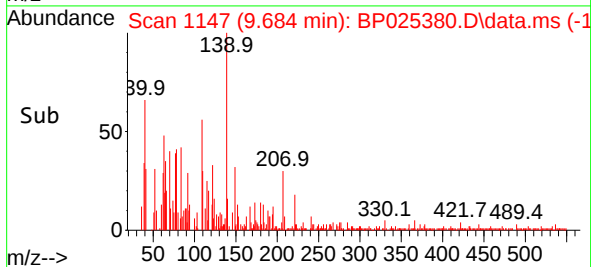
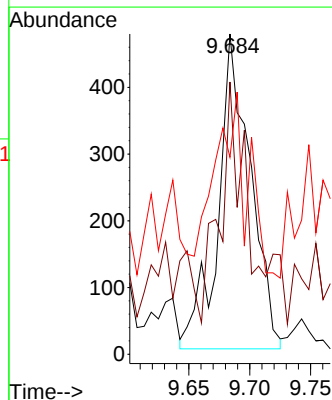
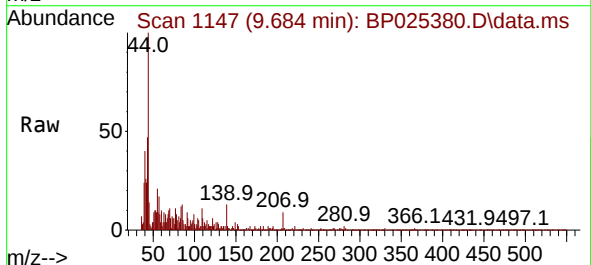
Instrument :
BNA_P
ClientSampleId :
82H-W

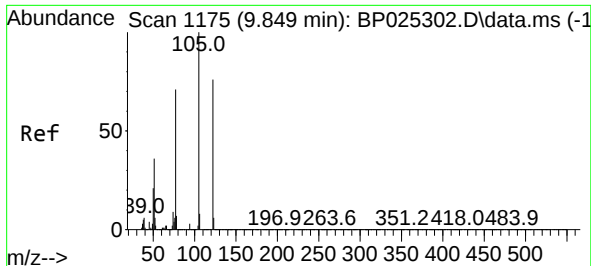
Tgt Ion: 82 Resp: 644779
Ion Ratio Lower Upper
82 100
128 46.3 35.4 53.2
54 49.9 42.9 64.3



#26
2-Nitrophenol
Concen: 3.797 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:139 Resp: 872
Ion Ratio Lower Upper
139 100
109 85.0 25.2 37.8#
65 61.5 39.6 59.4#

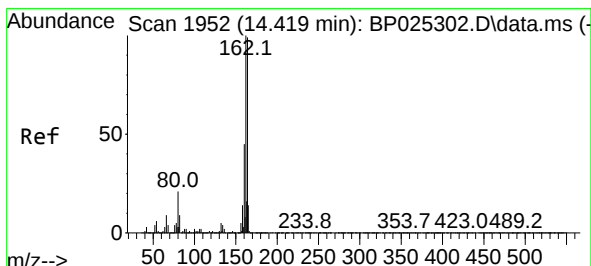
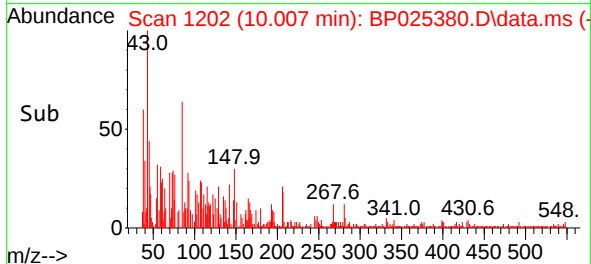
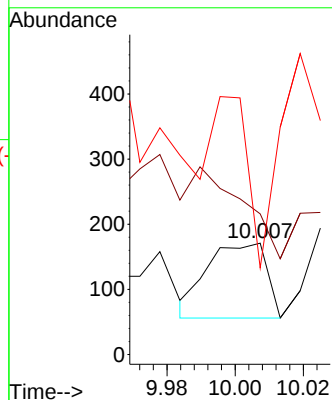
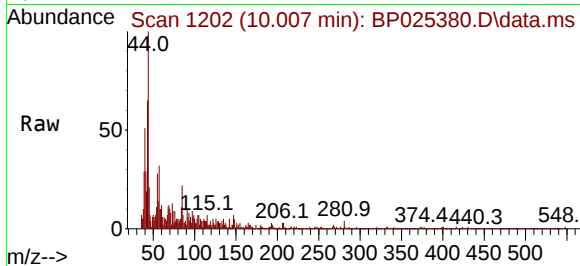




#32
Benzoic acid
Concen: 5.977 ng
RT: 10.007 min Scan# 1175
Delta R.T. 0.158 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

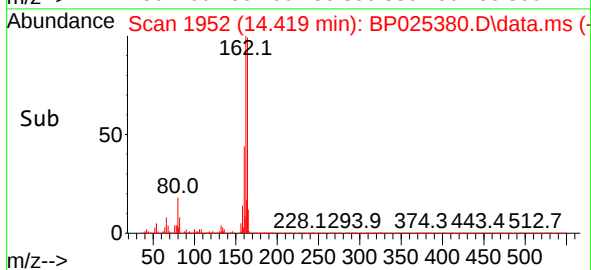
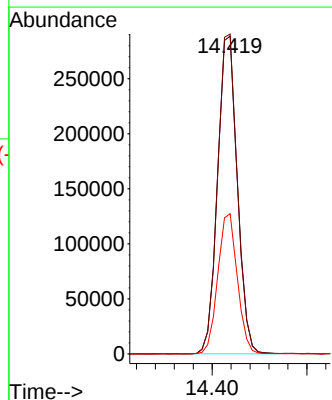
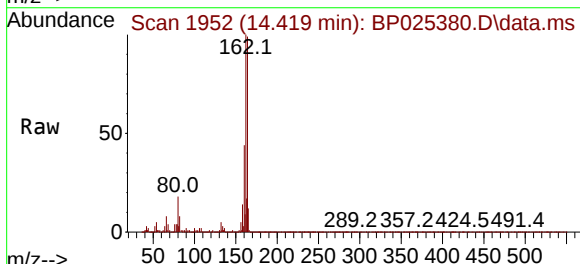
Instrument :
BNA_P
ClientSampleId :
82H-W

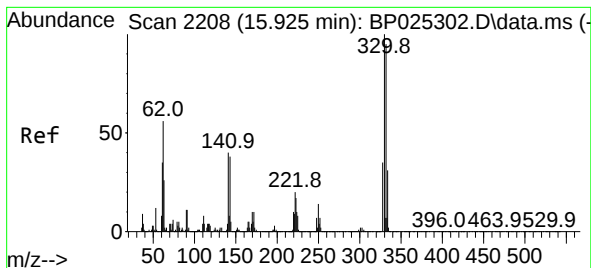
Tgt Ion:122 Resp: 138
Ion Ratio Lower Upper
122 100
105 126.3 104.0 144.0
77 77.8 71.8 111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:164 Resp: 418215
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.2 35.9 53.9

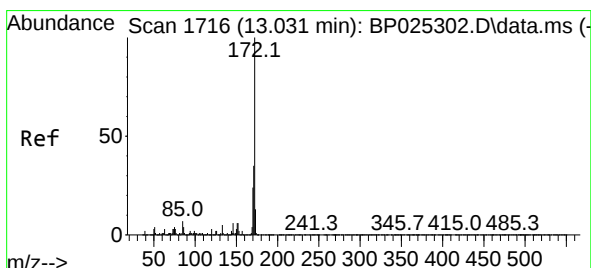
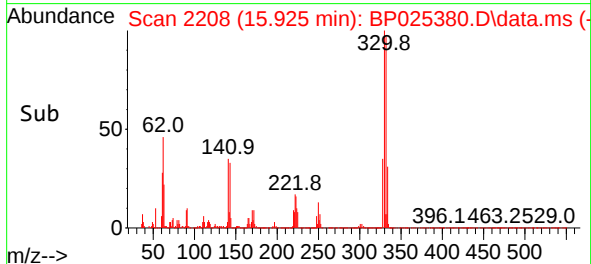
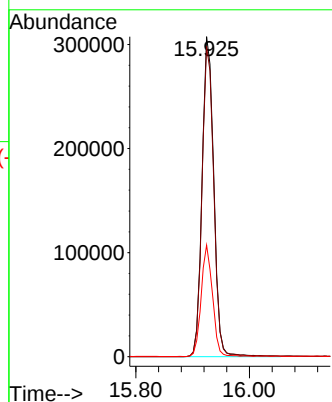
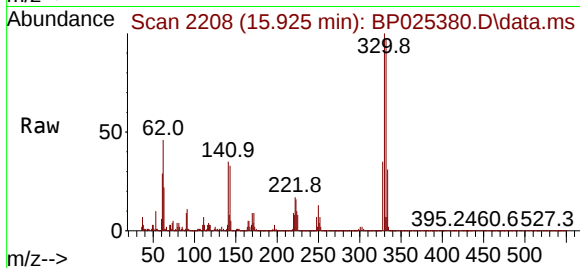




#42
2,4,6-Tribromophenol
Concen: 105.682 ng
RT: 15.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

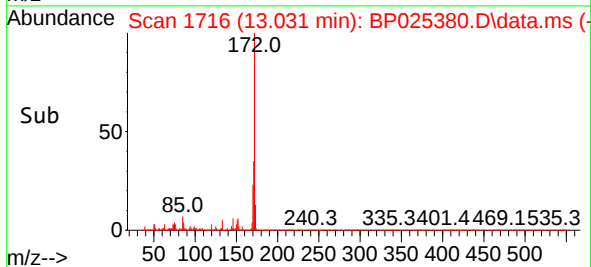
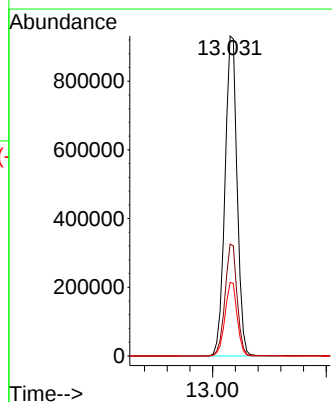
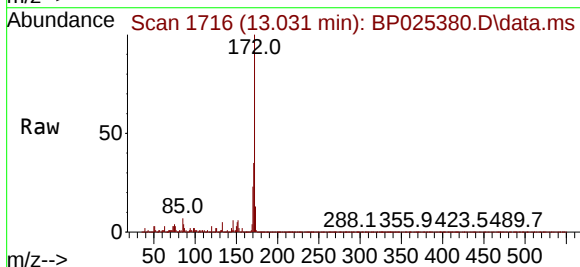
Instrument :
BNA_P
ClientSampleId :
82H-W

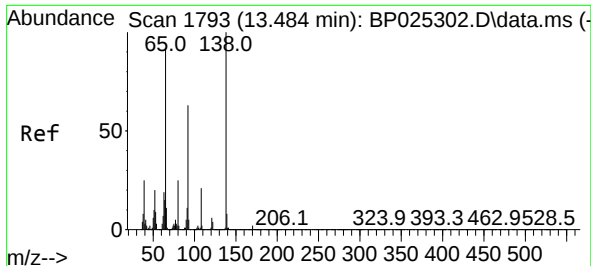
Tgt Ion:330 Resp: 440922
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 33.8 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 45.837 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:172 Resp: 1387903
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.0 18.9 28.3

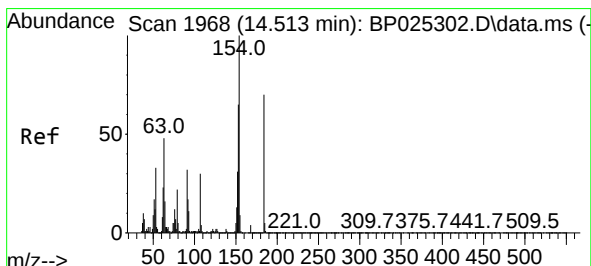
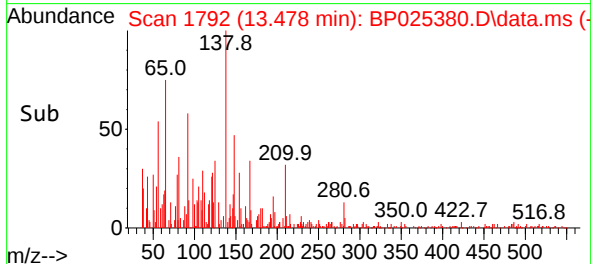
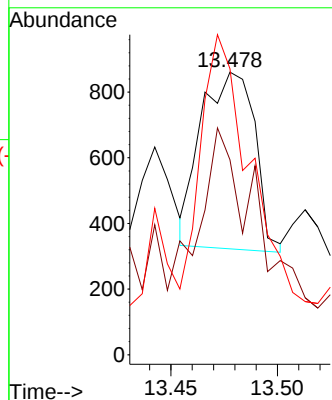
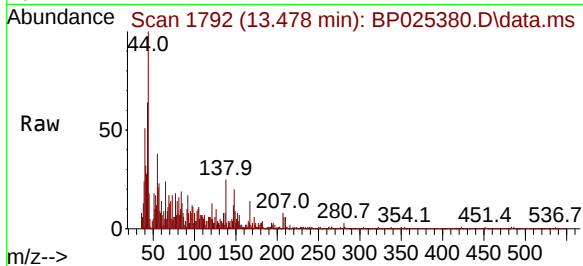




#48
2-Nitroaniline
Concen: 3.092 ng
RT: 13.478 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

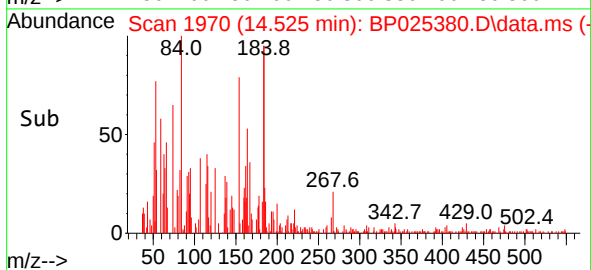
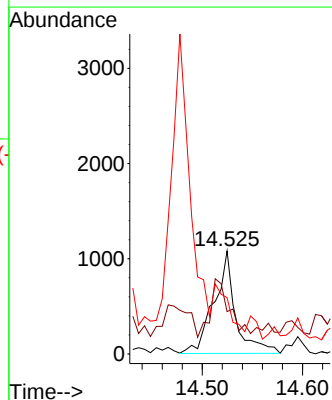
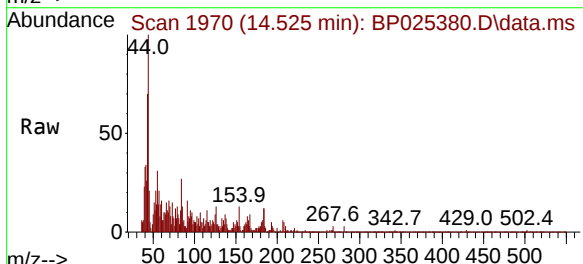
Instrument :
BNA_P
ClientSampleId :
82H-W

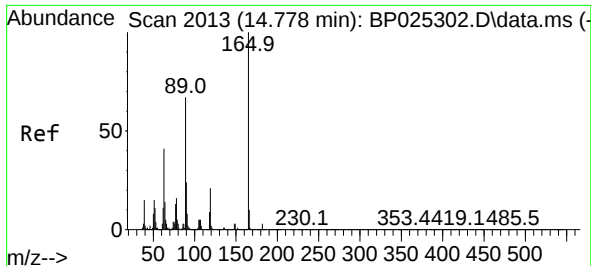
Tgt Ion: 65 Resp: 939
Ion Ratio Lower Upper
65 100
92 69.0 54.4 81.6
138 101.2 87.0 130.4



#54
2,4-Dinitrophenol
Concen: 2.824 ng
RT: 14.525 min Scan# 1970
Delta R.T. 0.012 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:184 Resp: 1617
Ion Ratio Lower Upper
184 100
63 41.1 56.3 84.5#
154 54.7 124.5 186.7#

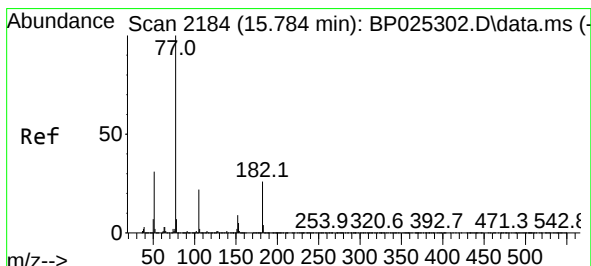
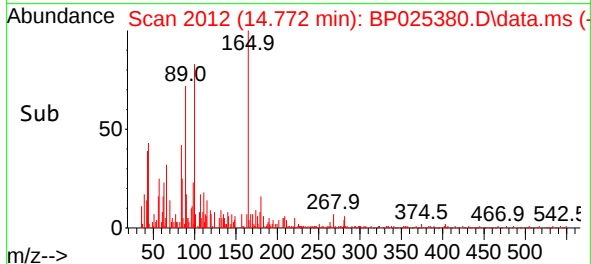
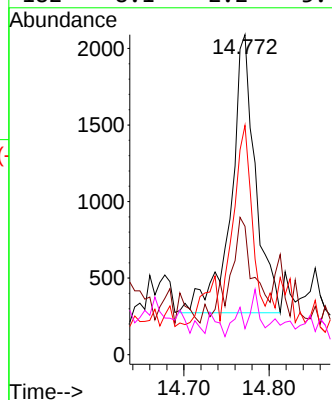
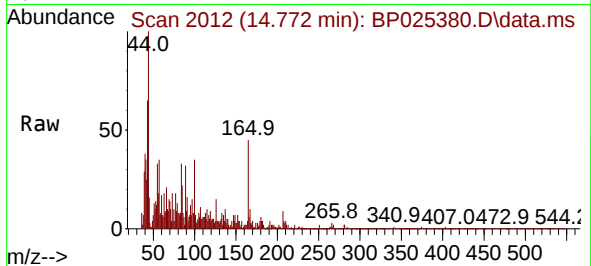




#57
2,4-Dinitrotoluene
Concen: 3.639 ng
RT: 14.772 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

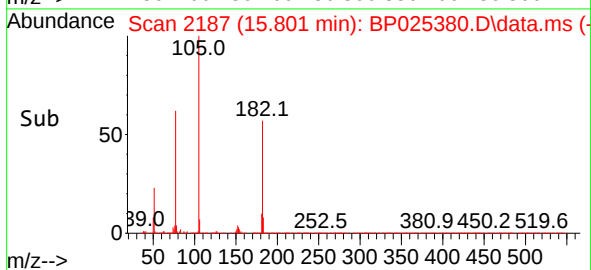
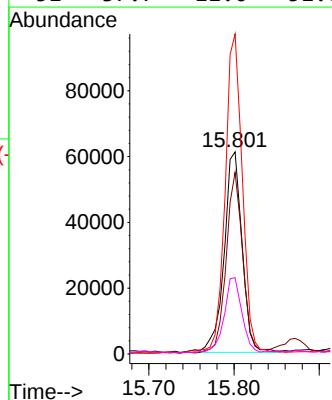
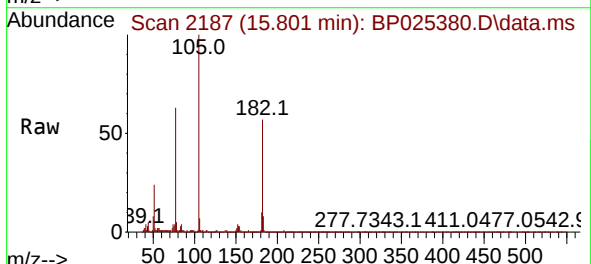
Instrument :
BNA_P
ClientSampleId :
82H-W

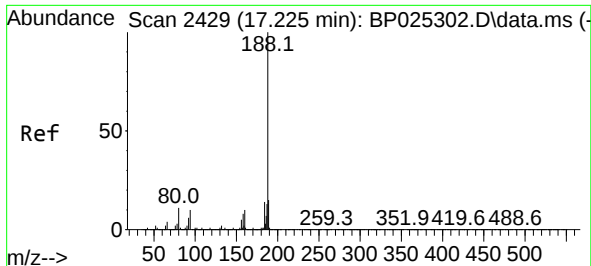
Tgt Ion:165 Resp: 3591
Ion Ratio Lower Upper
165 100
63 40.1 33.2 49.8
89 71.6 53.5 80.3
182 8.1 2.2 3.4#



#63
Azobenzene
Concen: 3.155 ng
RT: 15.801 min Scan# 2187
Delta R.T. 0.017 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion: 77 Resp: 90076
Ion Ratio Lower Upper
77 100
182 89.8 6.0 46.0#
105 158.3 2.1 42.1#
51 37.7 11.0 51.0

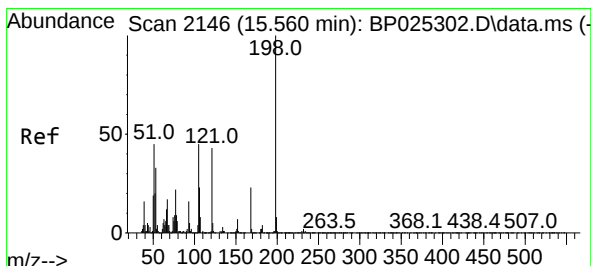
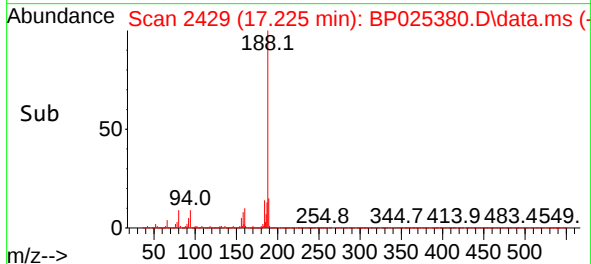
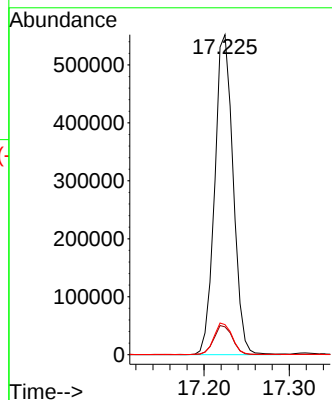
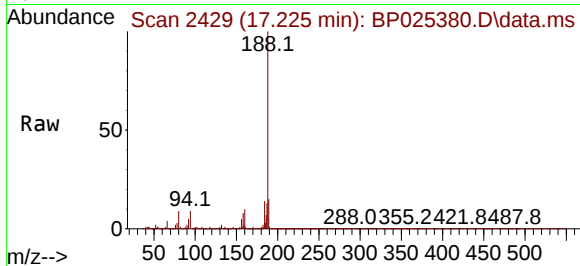




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

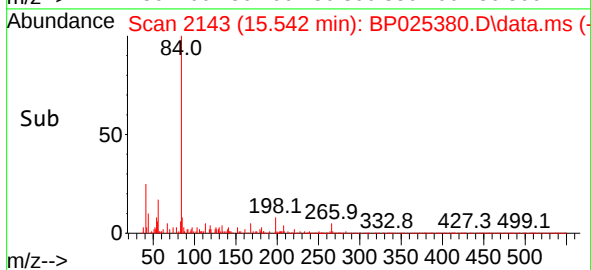
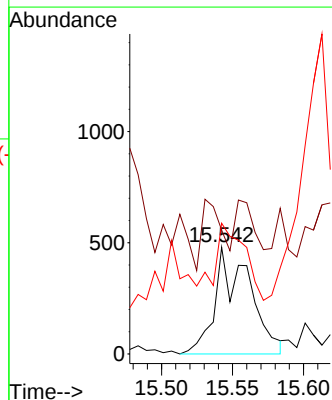
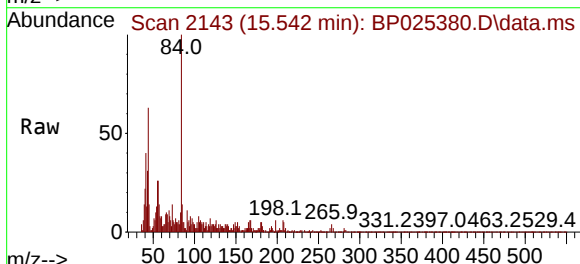
Instrument :
BNA_P
ClientSampleId :
82H-W

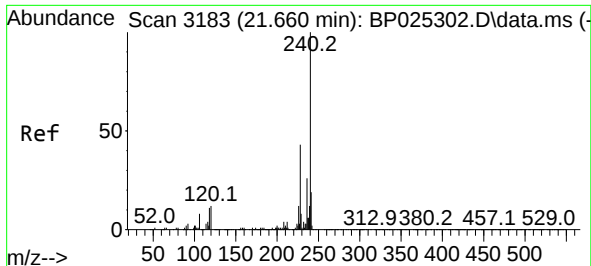
Tgt Ion:188 Resp: 828576
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 9.4 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 5.101 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.018 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:198 Resp: 818
Ion Ratio Lower Upper
198 100
51 116.0 26.7 66.7#
105 122.5 25.6 65.6#

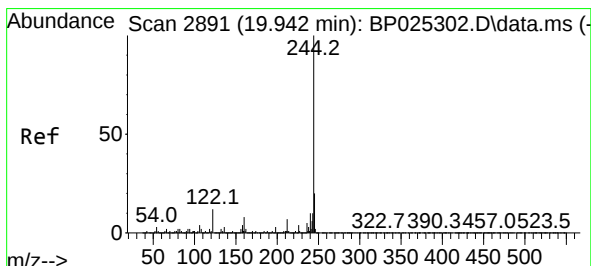
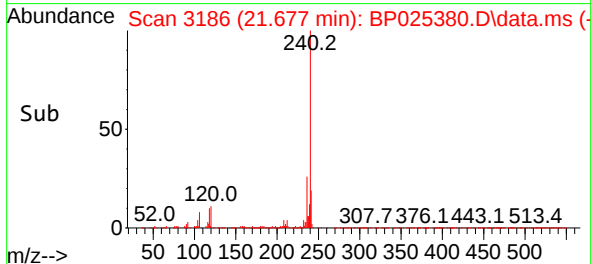
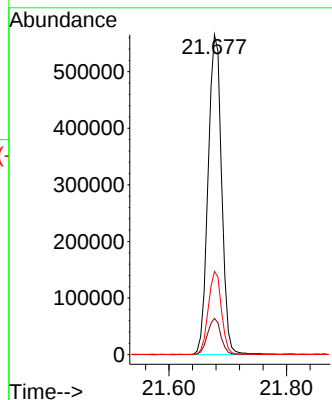
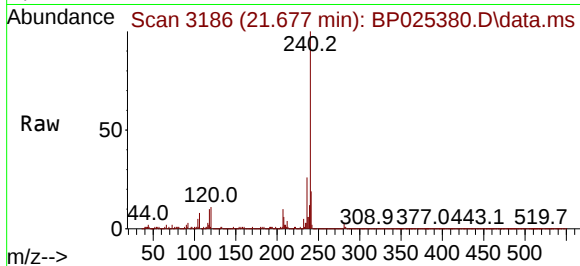




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

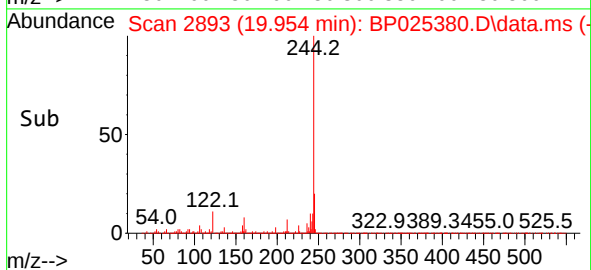
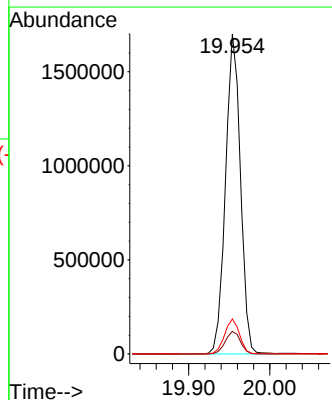
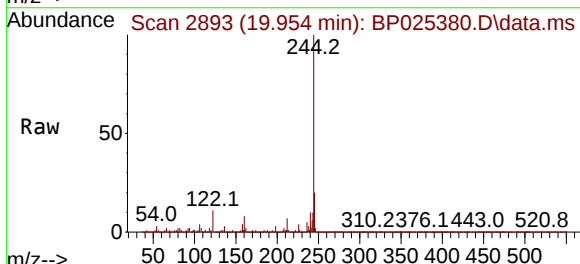
Instrument :
BNA_P
ClientSampleId :
82H-W

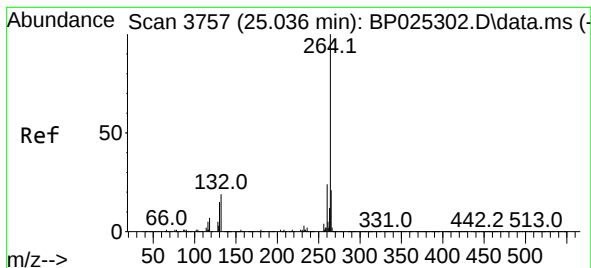
Tgt Ion:240 Resp: 902451
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 26.0 20.4 30.6



#79
Terphenyl-d14
Concen: 45.525 ng
RT: 19.954 min Scan# 2893
Delta R.T. 0.012 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:244 Resp: 2175182
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.9 9.5 14.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.071 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP025380.D

Acq: 13 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

82H-W

Tgt Ion:264 Resp: 1042273

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.9 17.1 25.7

