

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
 Data File : BP024726.D
 Acq On : 21 May 2025 04:51
 Operator : RC/JU
 Sample : Q2057-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-L

Quant Time: May 21 05:23:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

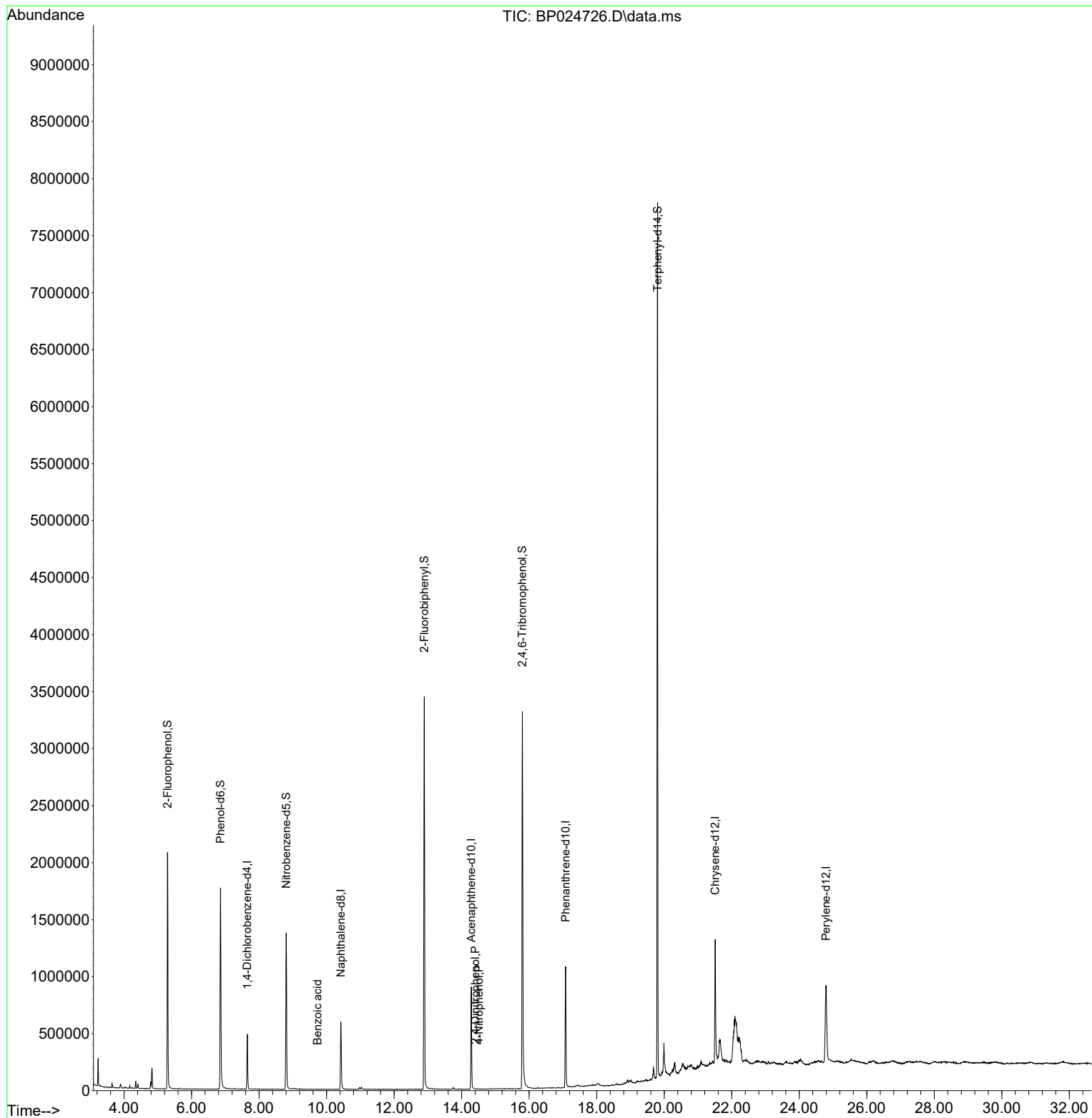
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	129942	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	533993	20.000	ng	-0.01
39) Acenaphthene-d10	14.286	164	342418	20.000	ng	-0.02
64) Phenanthrene-d10	17.080	188	693473	20.000	ng	-0.02
76) Chrysene-d12	21.510	240	712963	20.000	ng	-0.01
86) Perylene-d12	24.792	264	842820	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	948174	124.804	ng	0.00
7) Phenol-d6	6.857	99	1106033	114.068	ng	0.00
23) Nitrobenzene-d5	8.804	82	779966	73.800	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	934181	160.928	ng	-0.01
45) 2-Fluorobiphenyl	12.892	172	1902475	72.791	ng	-0.01
79) Terphenyl-d14	19.804	244	3771043	90.695	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.728	122	12	7.470	ng	# 1
54) 2,4-Dinitrophenol	14.404	184	5	6.402	ng	# 1
56) 4-Nitrophenol	14.510	139	59	4.246	ng	91

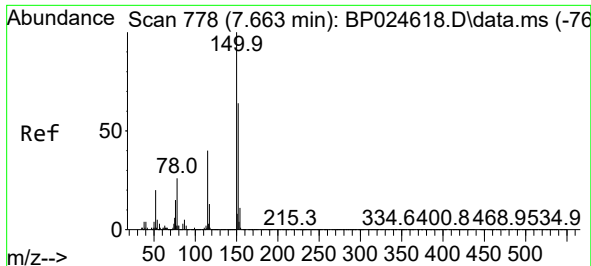
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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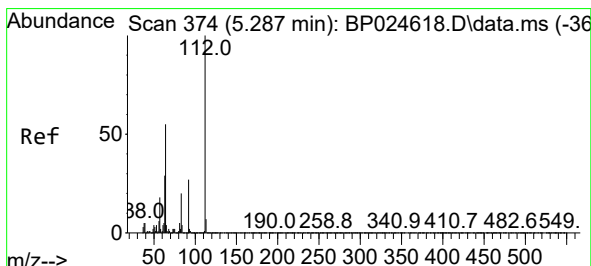
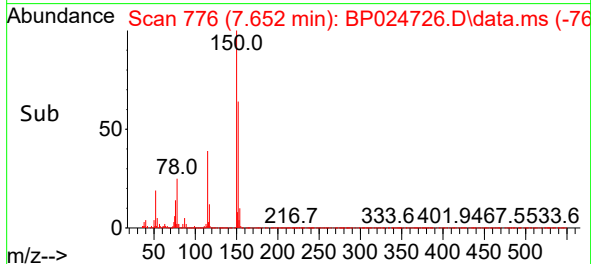
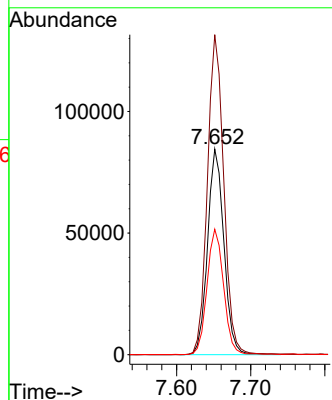
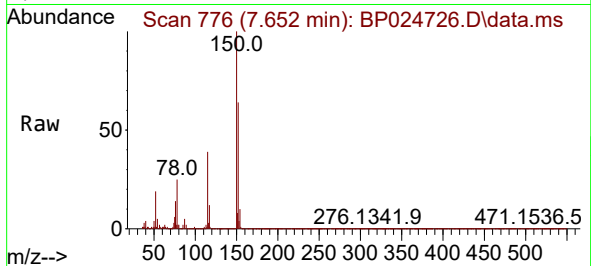




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

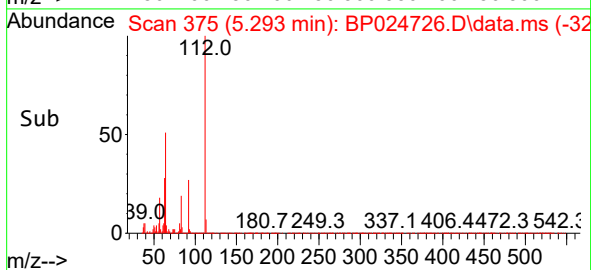
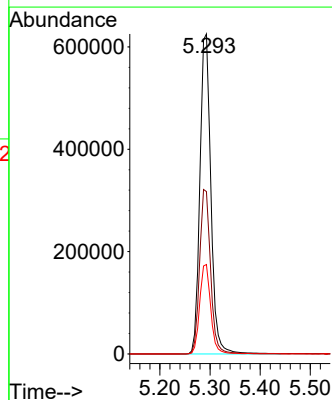
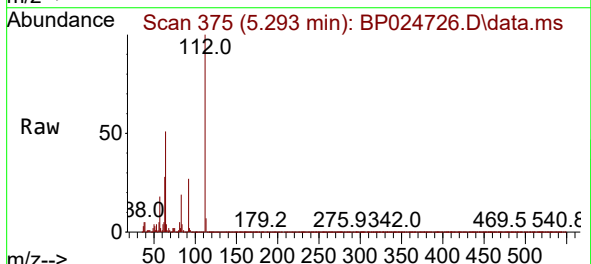
Instrument :
BNA_P
ClientSampleId :
MH-L

Tgt Ion:152 Resp: 129942
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 61.1 50.1 75.1



#5
2-Fluorophenol
Concen: 124.804 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

Tgt Ion:112 Resp: 948174
Ion Ratio Lower Upper
112 100
64 50.8 44.1 66.1
63 27.9 23.5 35.3

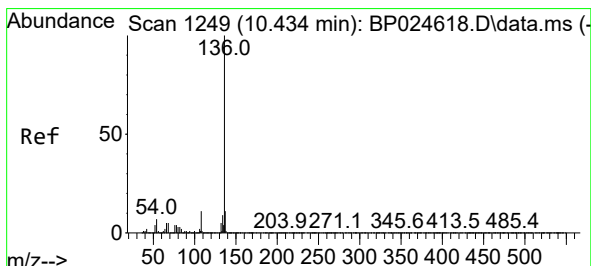
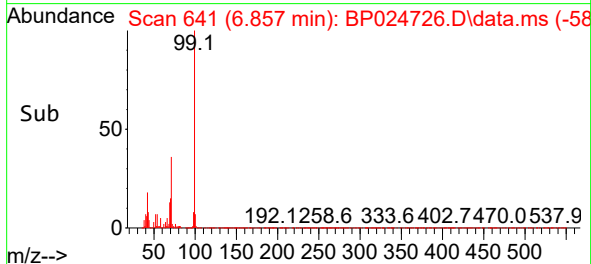
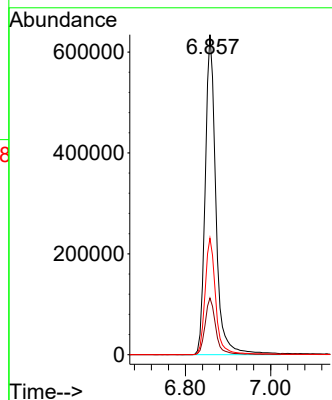
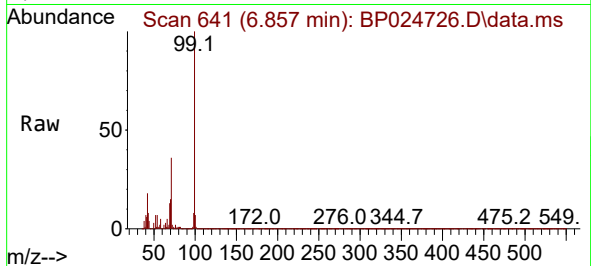




#7
Phenol-d6
Concen: 114.068 ng
RT: 6.857 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

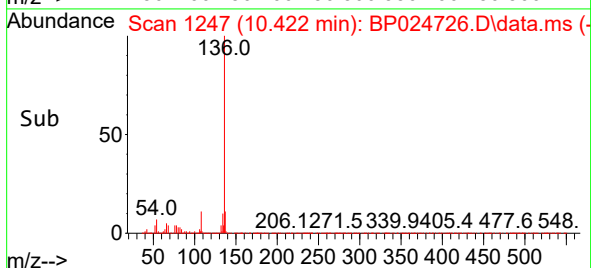
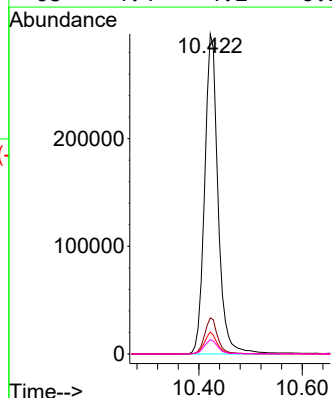
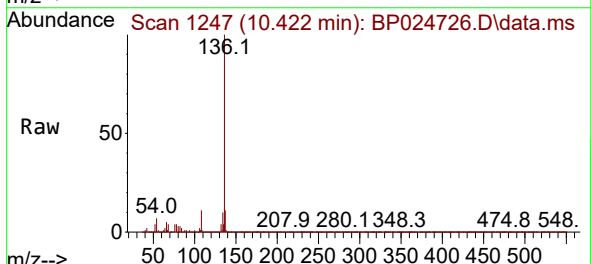
Instrument :
BNA_P
ClientSampleId :
MH-L

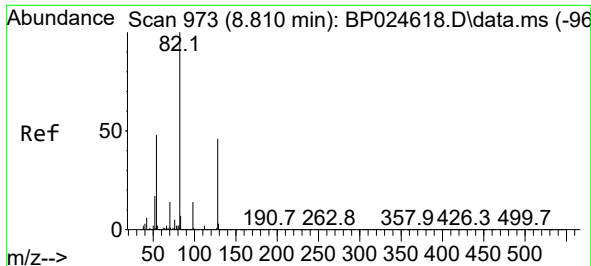
Tgt Ion: 99 Resp: 1106033
Ion Ratio Lower Upper
99 100
42 17.7 14.4 21.6
71 36.4 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

Tgt Ion:136 Resp: 533993
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.9 5.5 8.3
68 4.4 4.2 6.2

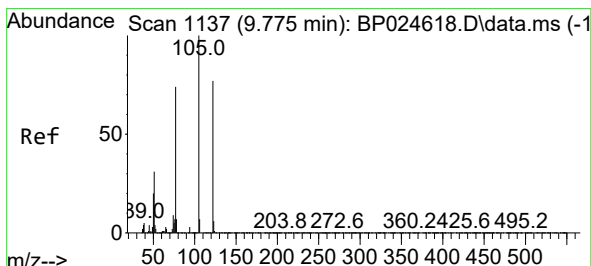
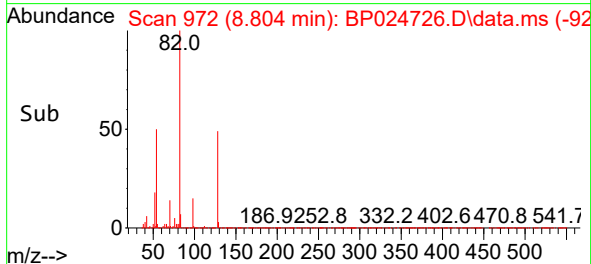
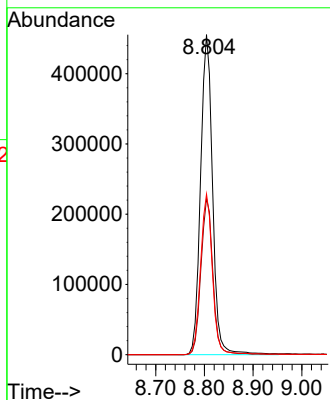
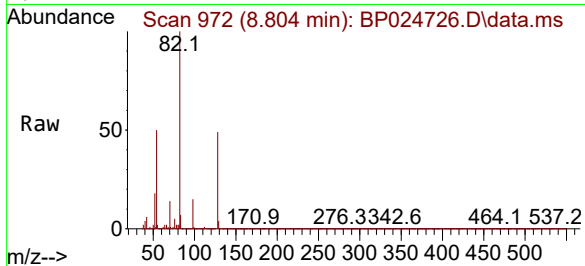




#23
Nitrobenzene-d5
Concen: 73.800 ng
RT: 8.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

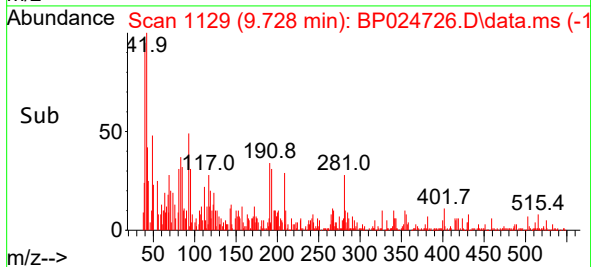
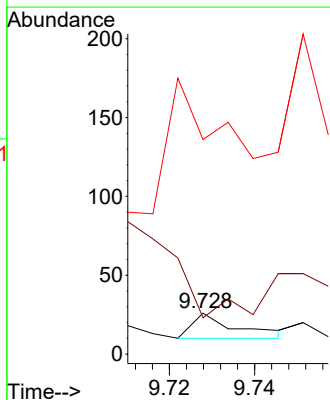
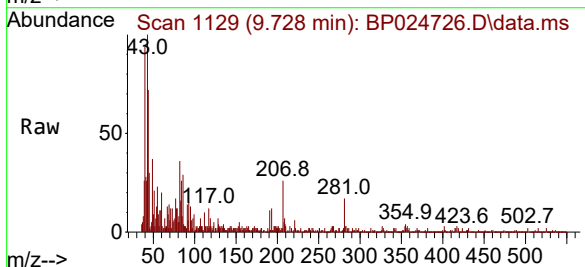
Instrument :
BNA_P
ClientSampleId :
MH-L

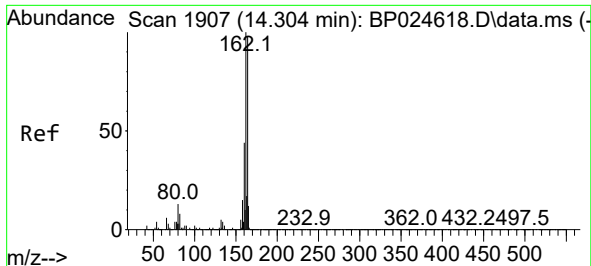
Tgt Ion: 82 Resp: 779966
Ion Ratio Lower Upper
82 100
128 48.8 37.0 55.4
54 50.2 38.7 58.1



#32
Benzoic acid
Concen: 7.470 ng
RT: 9.728 min Scan# 1129
Delta R.T. -0.047 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

Tgt Ion:122 Resp: 12
Ion Ratio Lower Upper
122 100
105 88.5 106.9 146.9#
77 523.1 75.1 115.1#

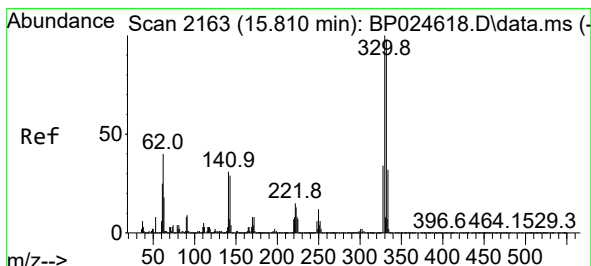
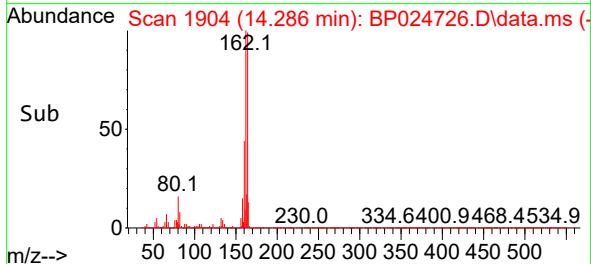
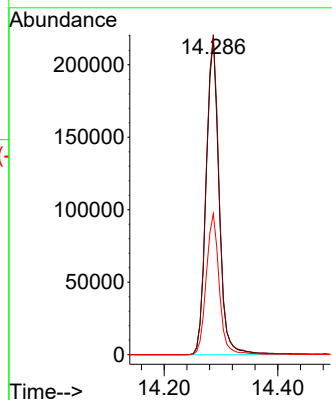
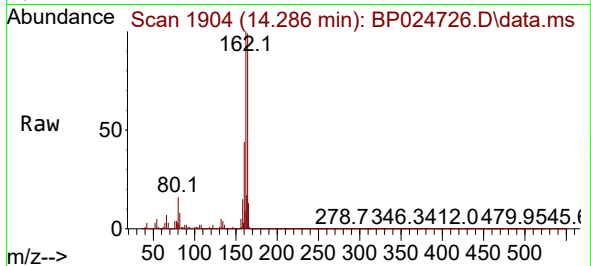




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

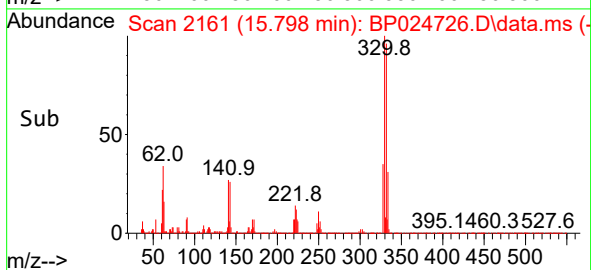
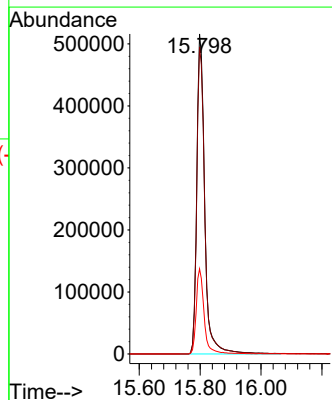
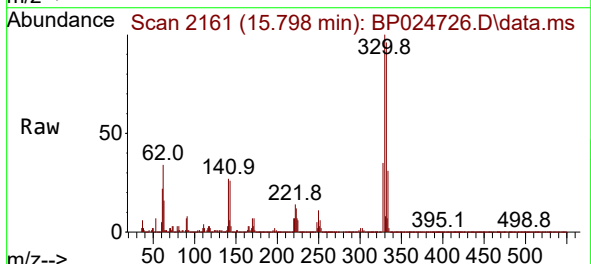
Instrument :
BNA_P
ClientSampleId :
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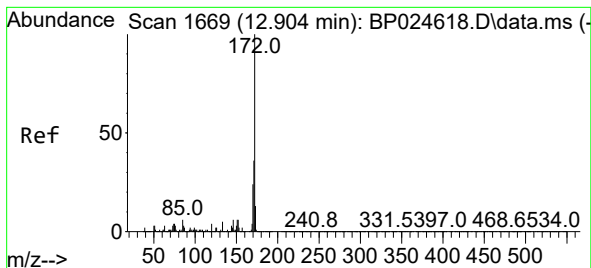
Tgt Ion:164 Resp: 342418
Ion Ratio Lower Upper
164 100
162 100.9 81.8 122.6
160 44.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 160.928 ng
RT: 15.798 min Scan# 2161
Delta R.T. -0.012 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

Tgt Ion:330 Resp: 934181
Ion Ratio Lower Upper
330 100
332 96.9 78.2 117.4
141 26.5 24.3 36.5

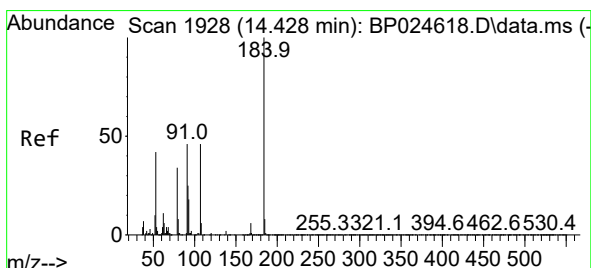
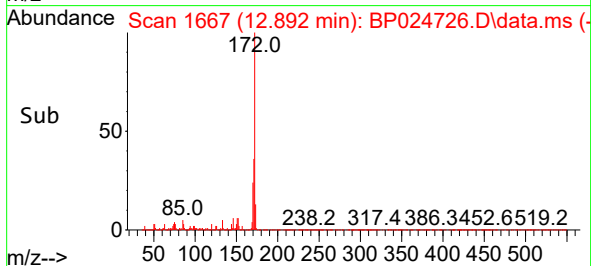
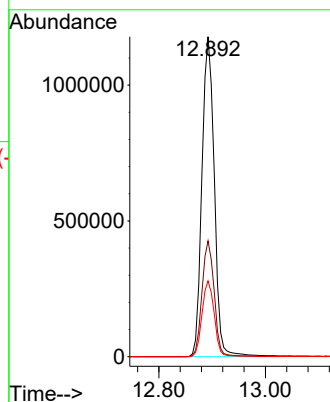
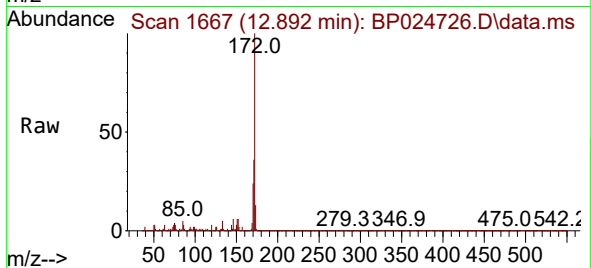




#45
2-Fluorobiphenyl
Concen: 72.791 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

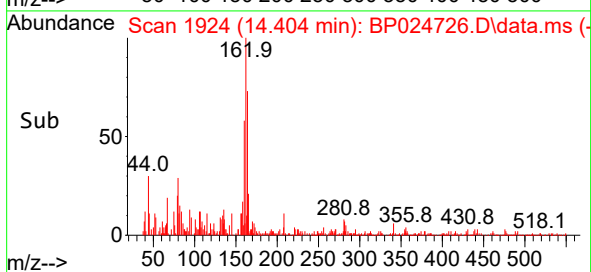
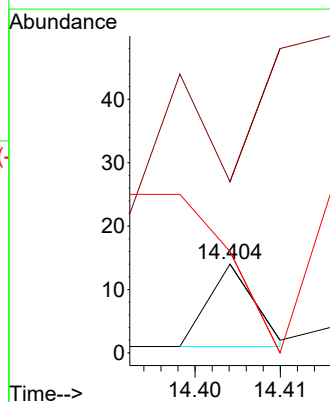
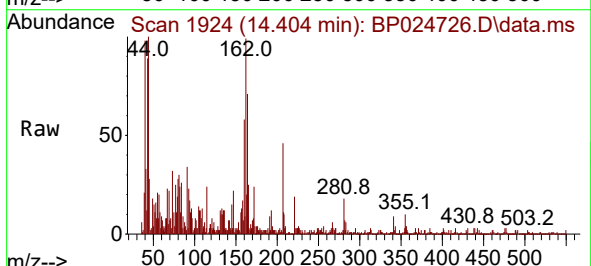
Instrument :
BNA_P
ClientSampleId :
MH-L

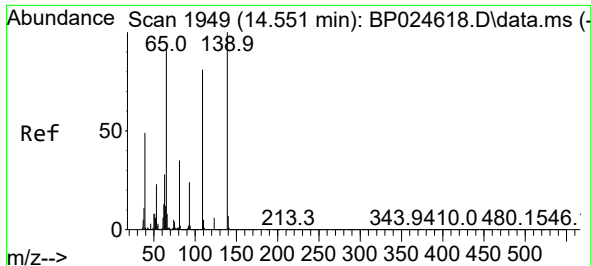
Tgt Ion:172 Resp: 1902475
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.7 18.8 28.2



#54
2,4-Dinitrophenol
Concen: 6.402 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.024 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

Tgt Ion:184 Resp: 5
Ion Ratio Lower Upper
184 100
63 192.9 51.3 76.9#
154 114.3 53.5 80.3#

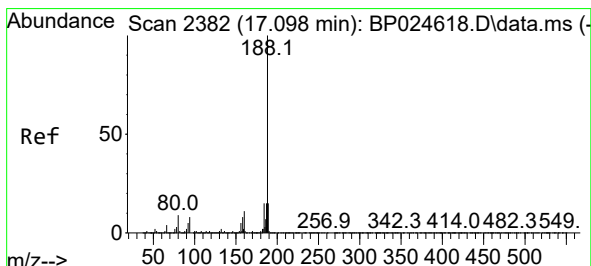
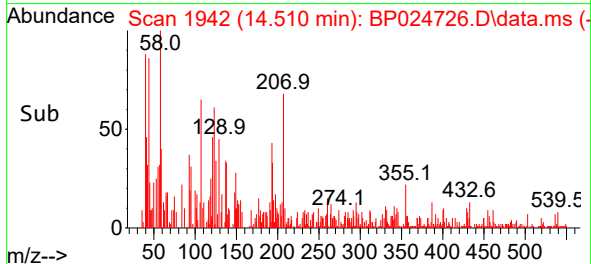
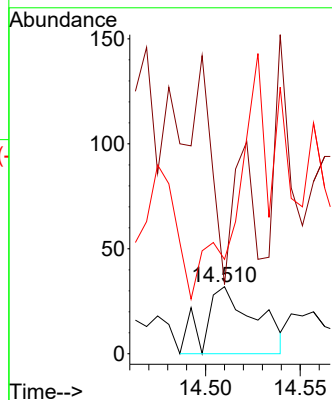
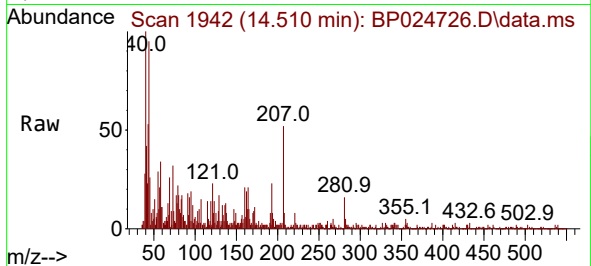




#56
4-Nitrophenol
Concen: 4.246 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.041 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

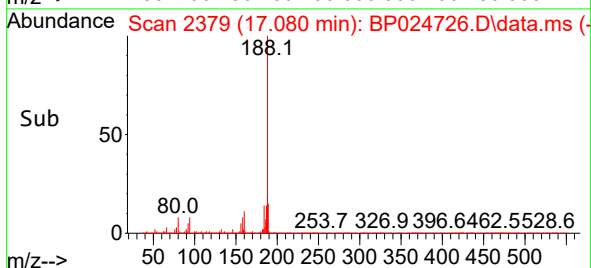
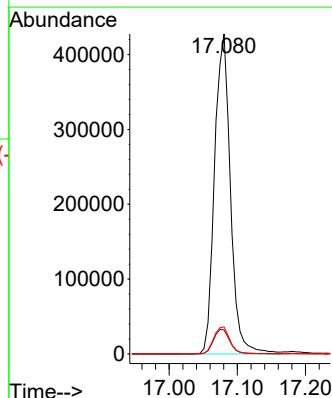
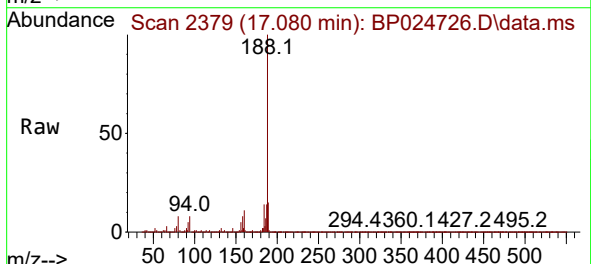
Instrument :
BNA_P
ClientSampleId :
MH-L

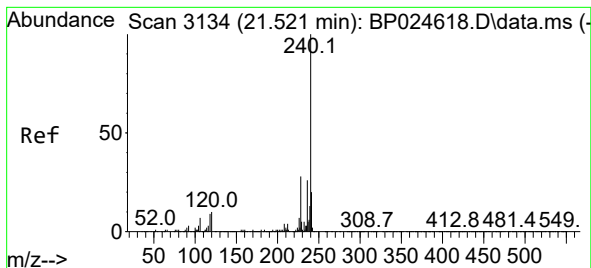
Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 75.0 61.4 101.4
65 102.3 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.080 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024726.D
Acq: 21 May 2025 04:51

Tgt Ion:188 Resp: 693473
Ion Ratio Lower Upper
188 100
94 7.5 6.5 9.7
80 8.5 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.510 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024726.D

Acq: 21 May 2025 04:51

Instrument :

BNA_P

ClientSampleId :

MH-L

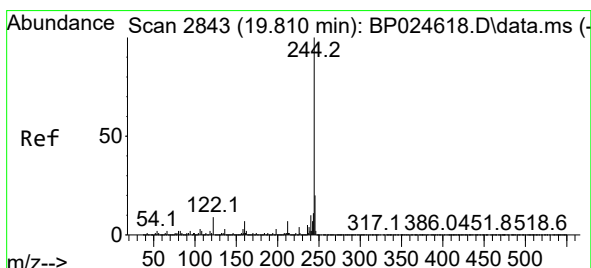
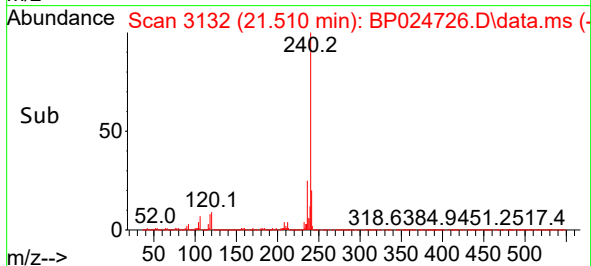
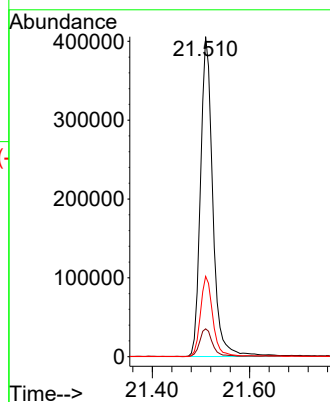
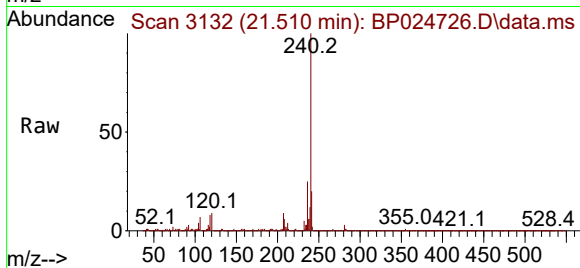
Tgt Ion:240 Resp: 712963

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 25.1 20.6 31.0



#79

Terphenyl-d14

Concen: 90.695 ng

RT: 19.804 min Scan# 2842

Delta R.T. -0.006 min

Lab File: BP024726.D

Acq: 21 May 2025 04:51

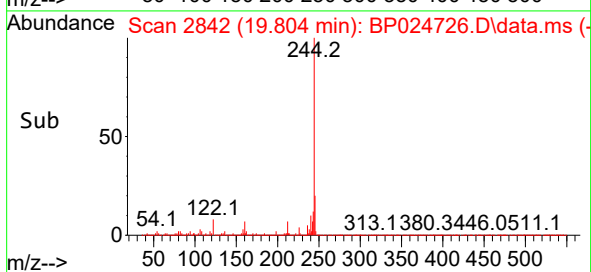
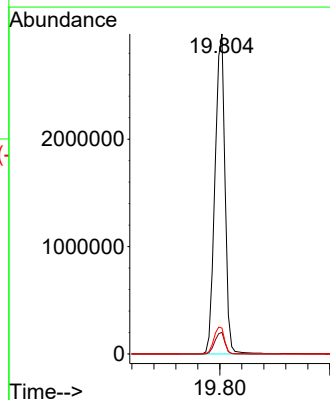
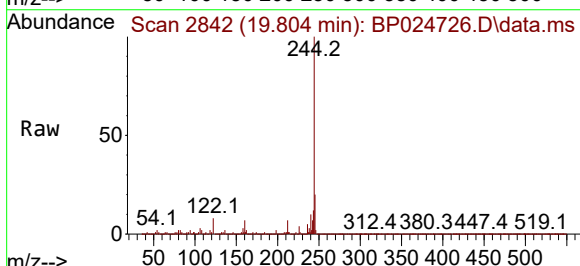
Tgt Ion:244 Resp: 3771043

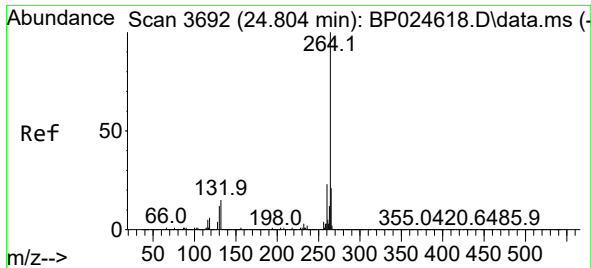
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 8.1 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.792 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BP024726.D
 Acq: 21 May 2025 04:51

Instrument :
 BNA_P
 ClientSampleId :
 MH-L

Tgt Ion:264 Resp: 842820
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 22.1 17.0 25.6

