

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
 Data File : BP024802.D
 Acq On : 23 May 2025 21:13
 Operator : RC/JU
 Sample : Q2101-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-MHE

Quant Time: May 24 00:04:37 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)

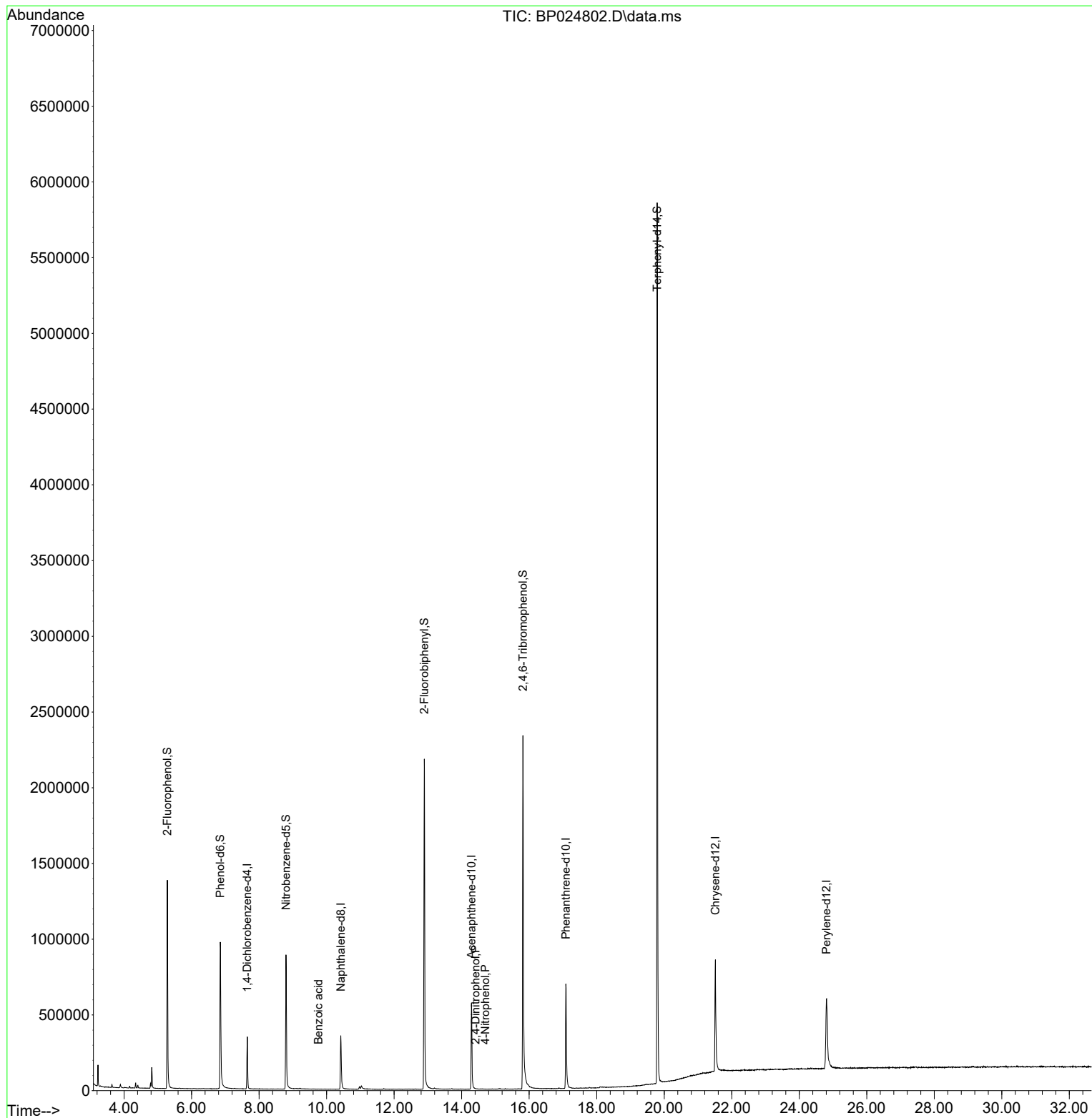
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	93447	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	357952	20.000	ng	-0.01
39) Acenaphthene-d10	14.292	164	239297	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	521770	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	580360	20.000	ng	0.00
86) Perylene-d12	24.804	264	673697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	633892	116.022	ng	0.00
7) Phenol-d6	6.852	99	684424	98.154	ng	0.00
23) Nitrobenzene-d5	8.799	82	520158	73.423	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	654433	161.319	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1344922	73.633	ng	-0.01
79) Terphenyl-d14	19.792	244	3061890	90.465	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	9.757	122	13	7.471	ng	# 1
54) 2,4-Dinitrophenol	14.416	184	14	6.406	ng	# 61
56) 4-Nitrophenol	14.704	139	12	4.237	ng	96

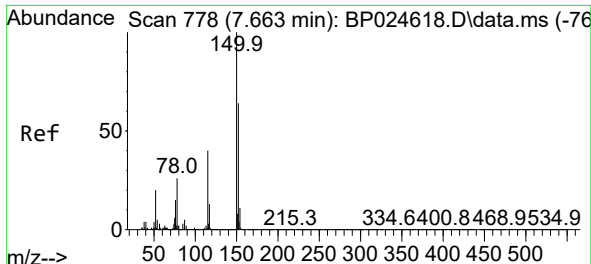
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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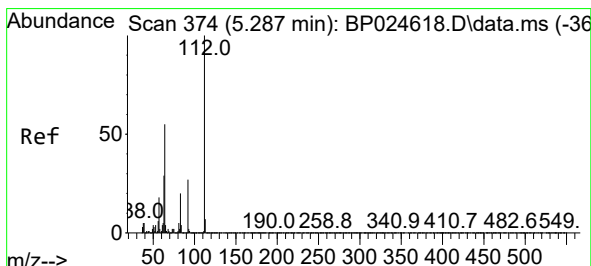
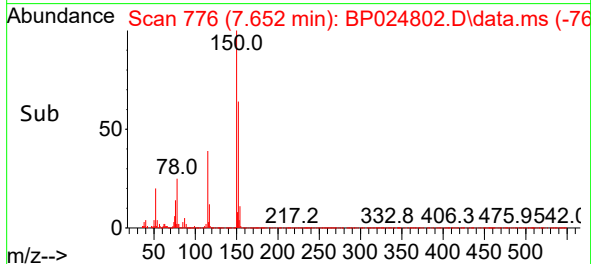
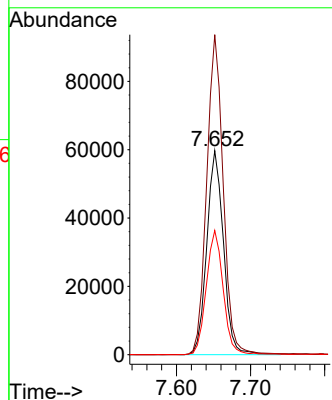
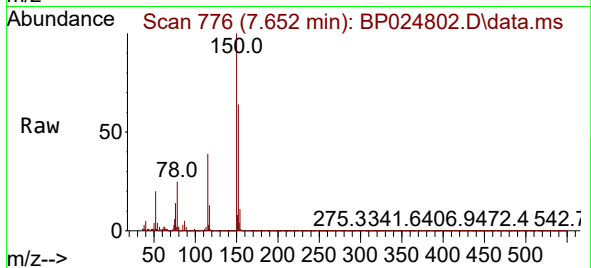




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

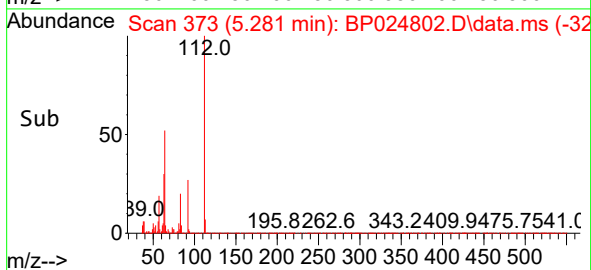
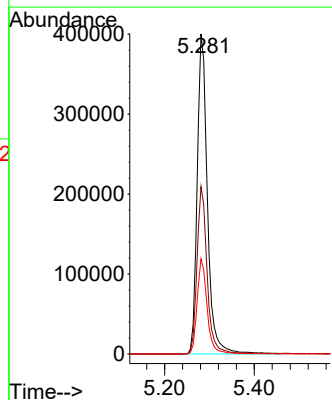
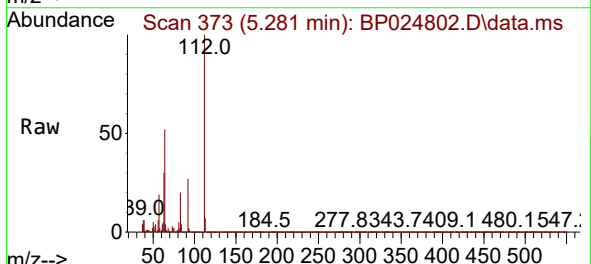
Instrument :
BNA_P
ClientSampleId :
TP-1-MHE

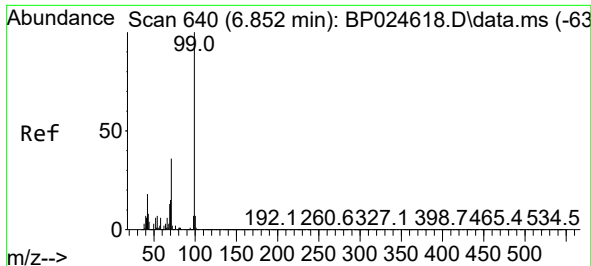
Tgt Ion:152 Resp: 93447
Ion Ratio Lower Upper
152 100
150 156.8 125.9 188.9
115 60.9 50.1 75.1



#5
2-Fluorophenol
Concen: 116.022 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

Tgt Ion:112 Resp: 633892
Ion Ratio Lower Upper
112 100
64 52.3 44.1 66.1
63 29.7 23.5 35.3

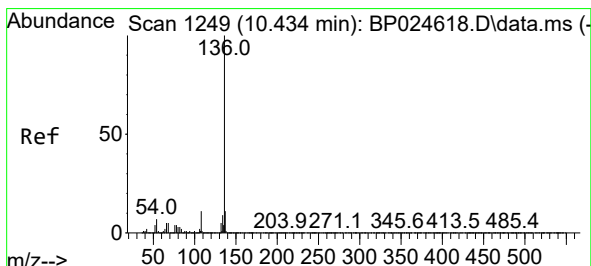
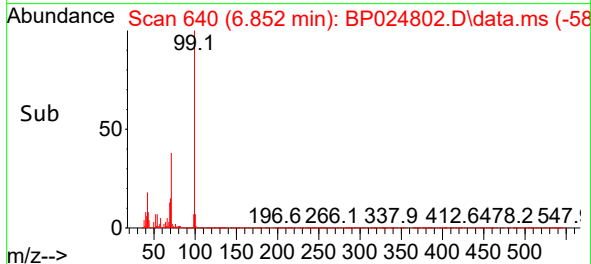
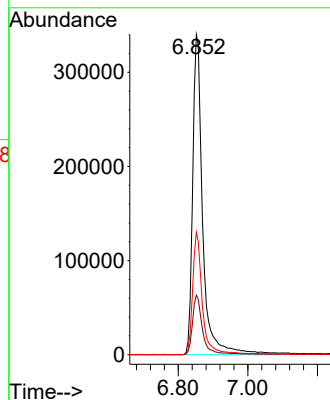
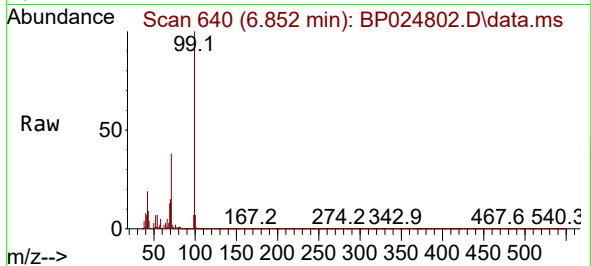




#7
Phenol-d6
Concen: 98.154 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

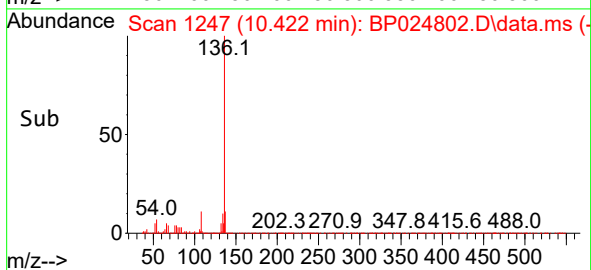
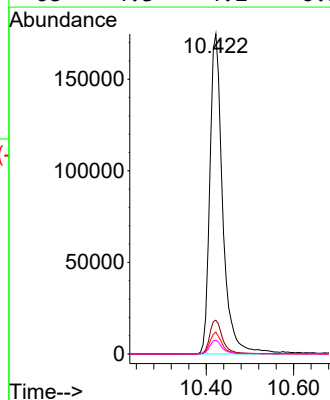
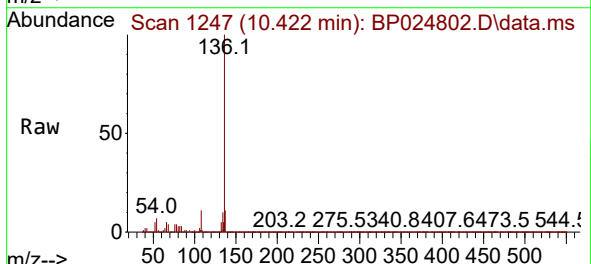
Instrument :
BNA_P
ClientSampleId :
TP-1-MHE

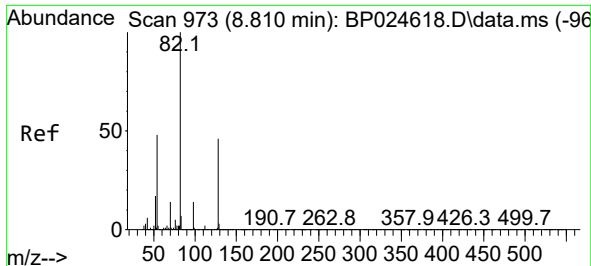
Tgt Ion: 99 Resp: 684424
Ion Ratio Lower Upper
99 100
42 18.6 14.4 21.6
71 38.2 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

Tgt Ion: 136 Resp: 357952
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.8 5.5 8.3
68 4.3 4.2 6.2

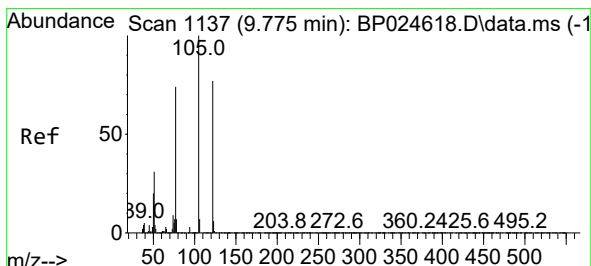
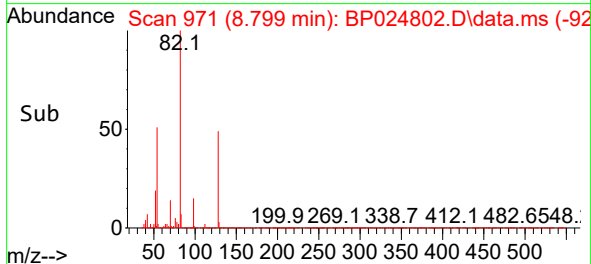
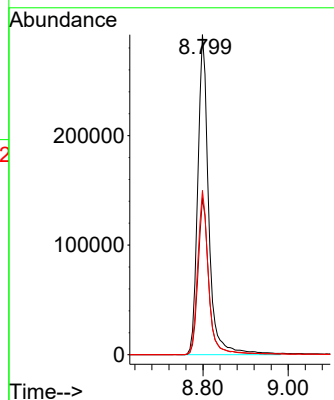
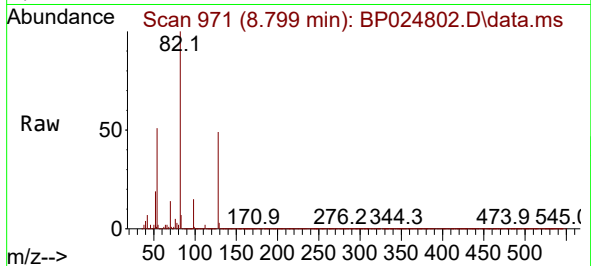




#23
Nitrobenzene-d5
Concen: 73.423 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

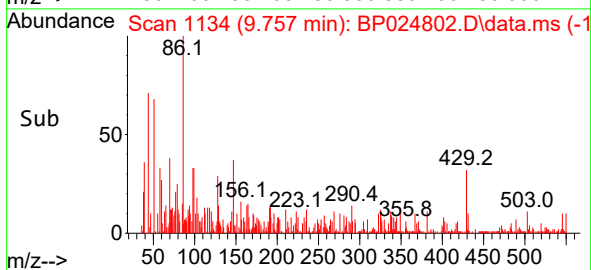
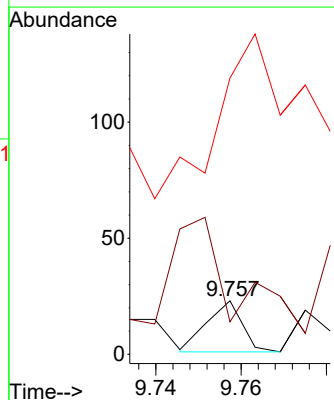
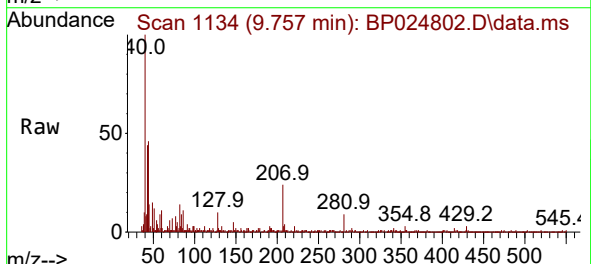
Instrument :
BNA_P
ClientSampleId :
TP-1-MHE

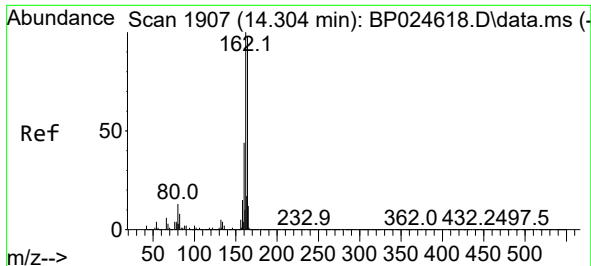
Tgt Ion: 82 Resp: 520158
Ion Ratio Lower Upper
82 100
128 48.7 37.0 55.4
54 51.3 38.7 58.1



#32
Benzoic acid
Concen: 7.471 ng
RT: 9.757 min Scan# 1134
Delta R.T. -0.018 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

Tgt Ion:122 Resp: 13
Ion Ratio Lower Upper
122 100
105 60.9 106.9 146.9#
77 517.4 75.1 115.1#

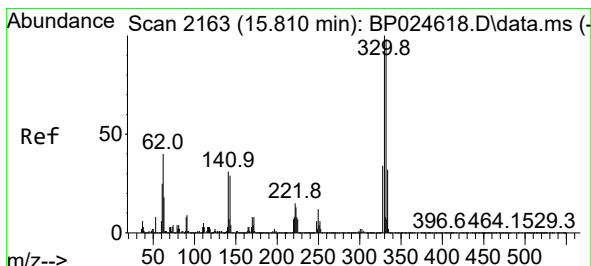
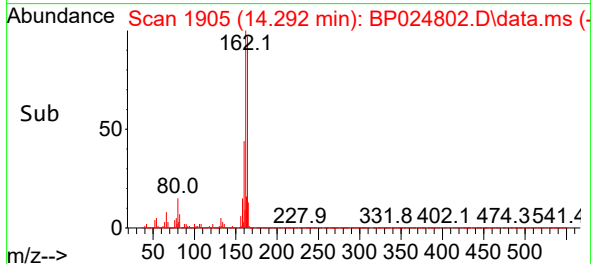
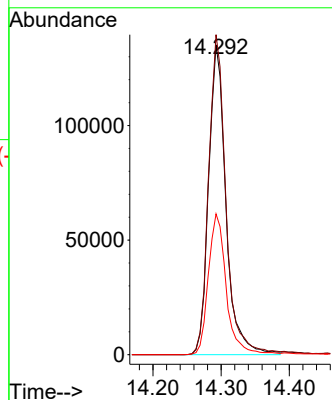
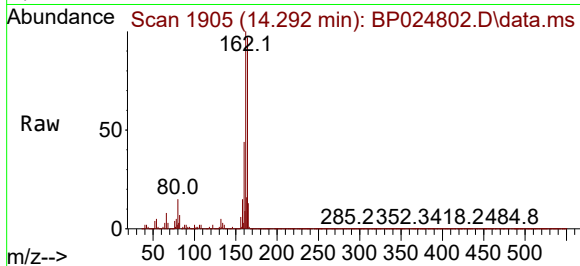




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

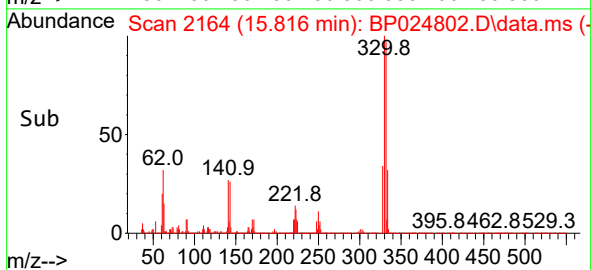
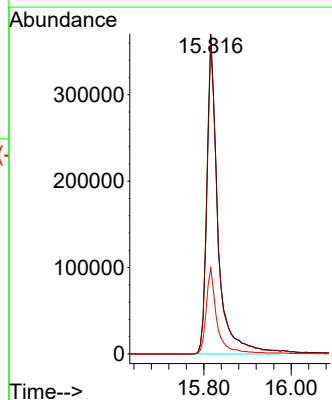
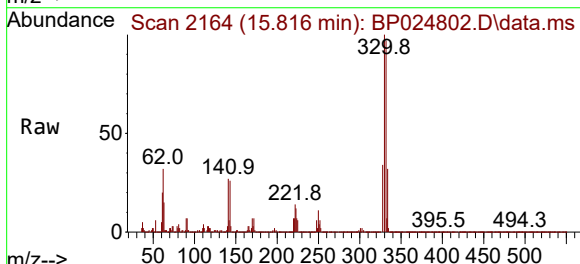
Instrument :
BNA_P
ClientSampleId :
TP-1-MHE

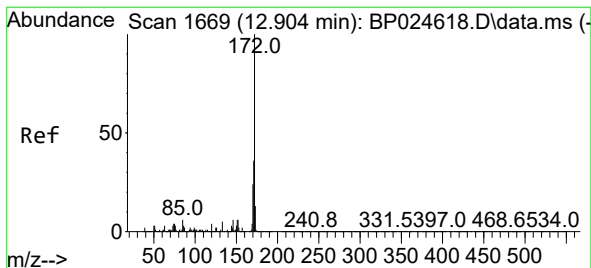
Tgt Ion:164 Resp: 239297
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 45.4 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 161.319 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

Tgt Ion:330 Resp: 654433
Ion Ratio Lower Upper
330 100
332 97.5 78.2 117.4
141 26.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 73.633 ng

RT: 12.893 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024802.D

Acq: 23 May 2025 21:13

Instrument :

BNA_P

ClientSampleId :

TP-1-MHE

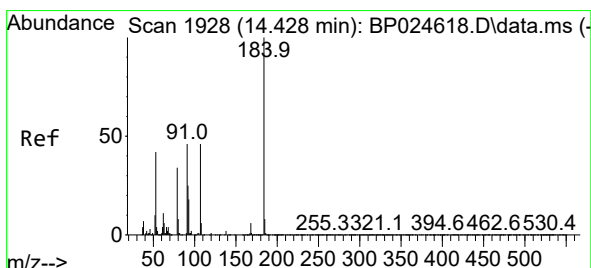
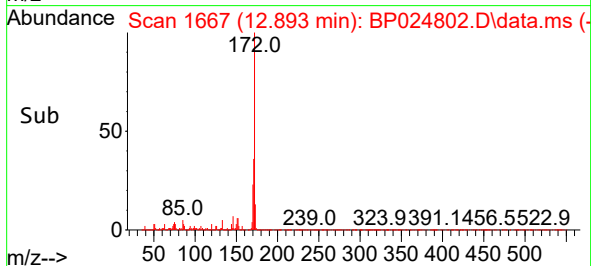
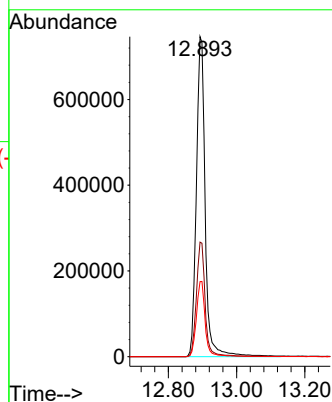
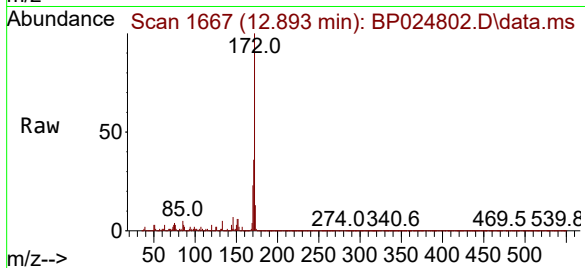
Tgt Ion:172 Resp: 1344922

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.4 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.406 ng

RT: 14.416 min Scan# 1926

Delta R.T. -0.012 min

Lab File: BP024802.D

Acq: 23 May 2025 21:13

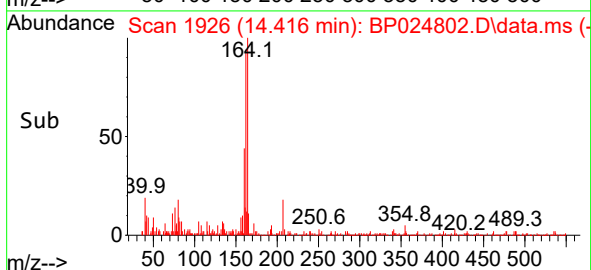
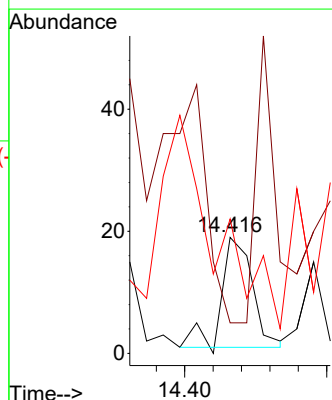
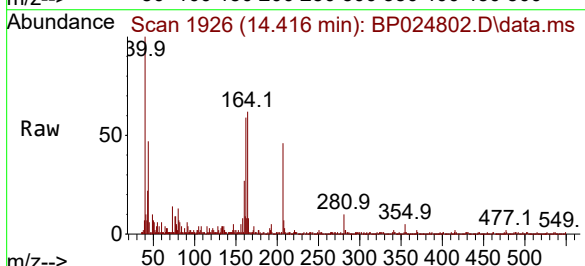
Tgt Ion:184 Resp: 14

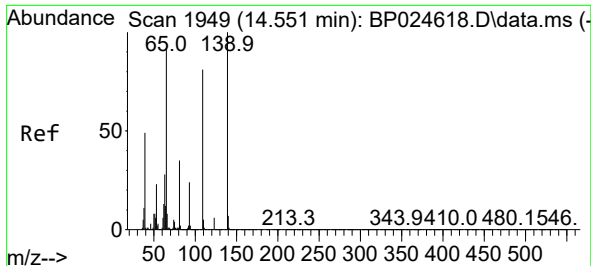
Ion Ratio Lower Upper

184 100

63 19.2 51.3 76.9#

154 84.6 53.5 80.3#

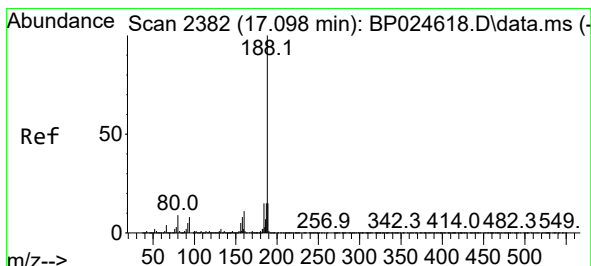
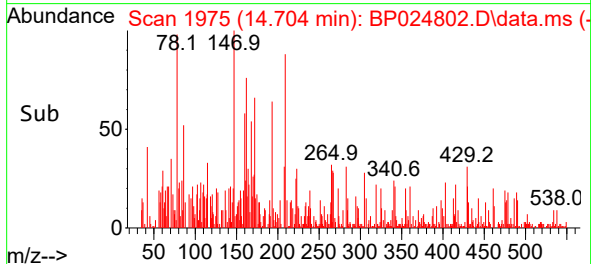
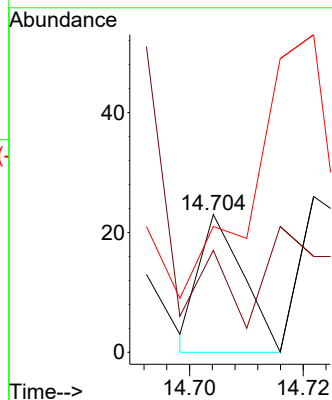
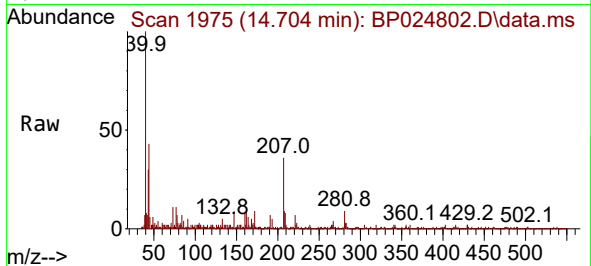




#56
4-Nitrophenol
Concen: 4.237 ng
RT: 14.704 min Scan# 1949
Delta R.T. 0.153 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

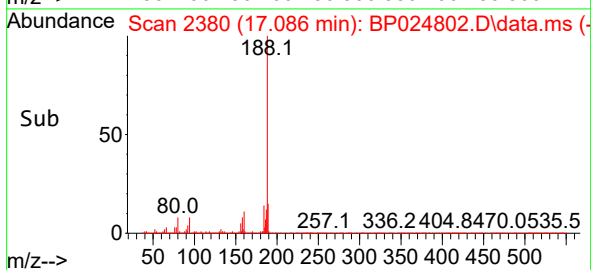
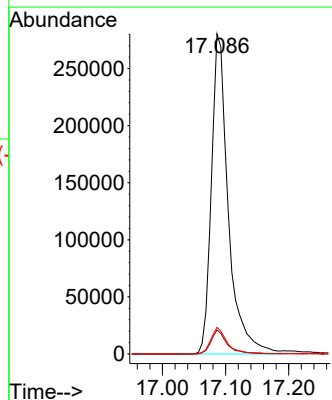
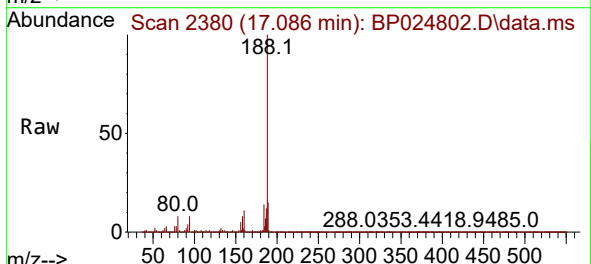
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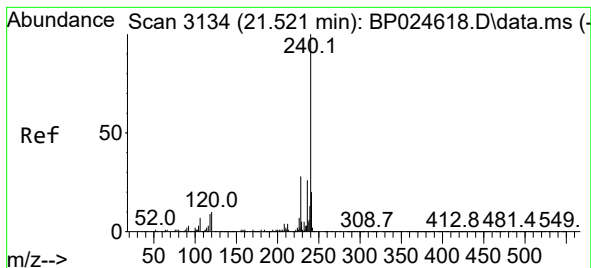
Tgt Ion:139 Resp: 12
Ion Ratio Lower Upper
139 100
109 73.9 61.4 101.4
65 91.3 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024802.D
Acq: 23 May 2025 21:13

Tgt Ion:188 Resp: 521770
Ion Ratio Lower Upper
188 100
94 7.5 6.5 9.7
80 8.3 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.516 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024802.D

Acq: 23 May 2025 21:13

Instrument :

BNA_P

ClientSampleId :

TP-1-MHE

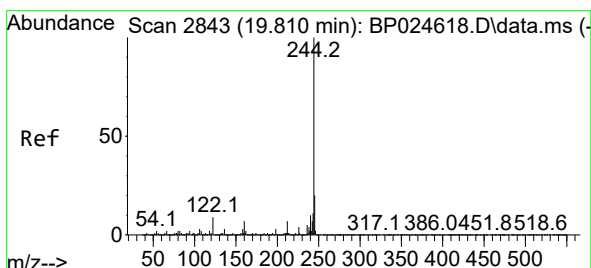
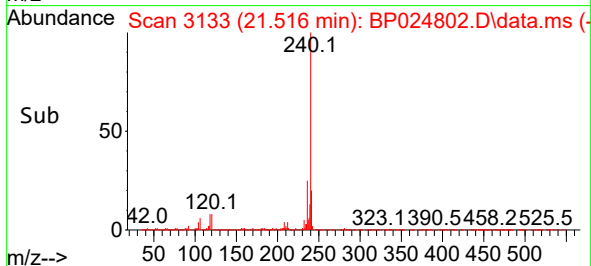
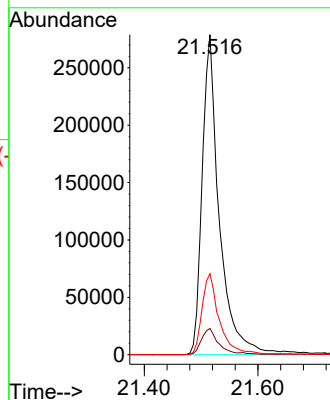
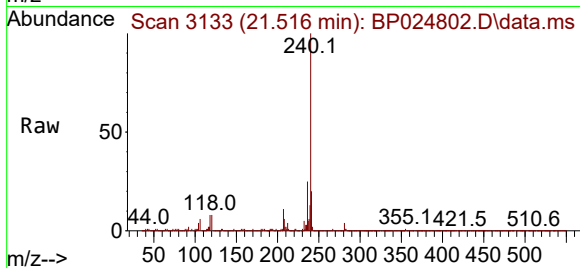
Tgt Ion:240 Resp: 580360

Ion Ratio Lower Upper

240 100

120 8.2 7.8 11.6

236 25.3 20.6 31.0



#79

Terphenyl-d14

Concen: 90.465 ng

RT: 19.792 min Scan# 2840

Delta R.T. -0.018 min

Lab File: BP024802.D

Acq: 23 May 2025 21:13

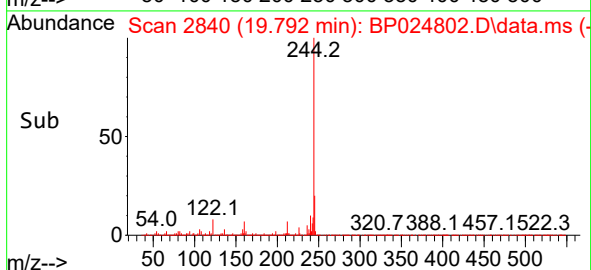
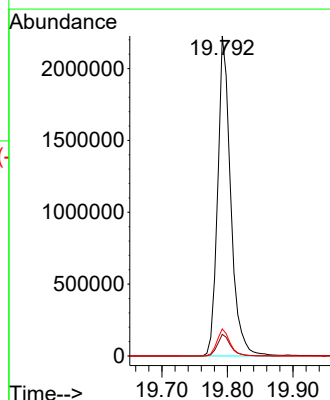
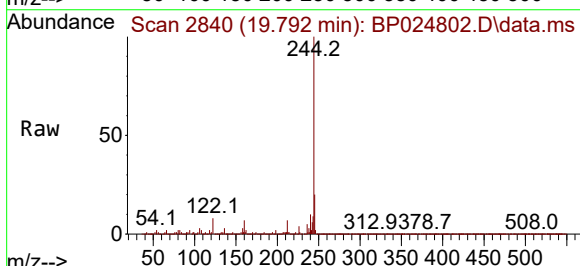
Tgt Ion:244 Resp: 3061890

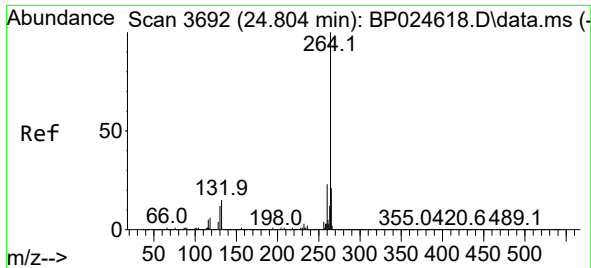
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 8.4 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.804 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BP024802.D
 Acq: 23 May 2025 21:13

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-MHE

Tgt Ion:264 Resp: 673697
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 22.5 17.0 25.6

