

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
 Data File : BP024793.D
 Acq On : 23 May 2025 15:06
 Operator : RC/JU
 Sample : Q2097-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT3419

Quant Time: May 23 15:29:12 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)

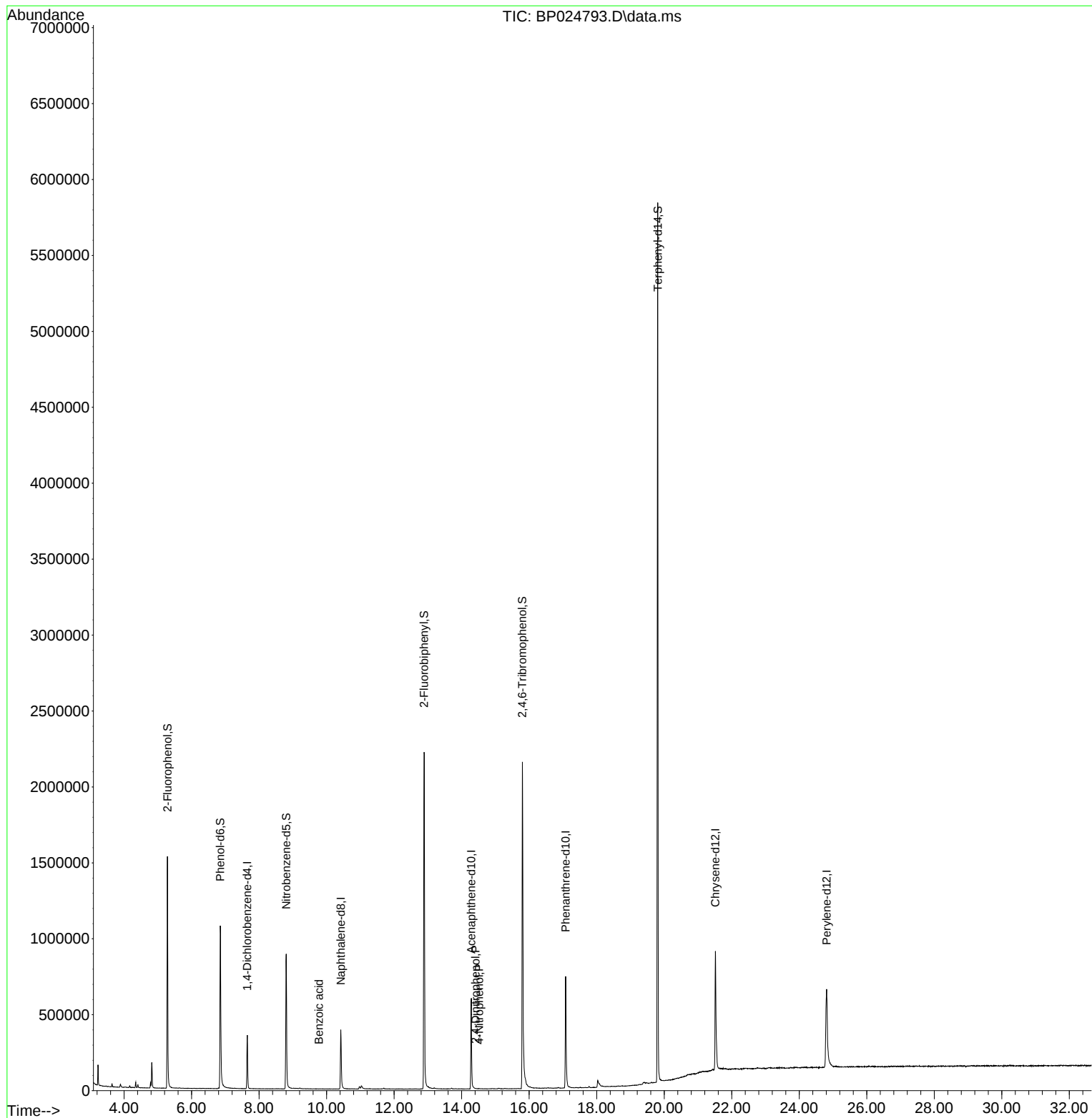
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	98742	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	375645	20.000	ng	-0.01
39) Acenaphthene-d10	14.287	164	242496	20.000	ng	-0.02
64) Phenanthrene-d10	17.081	188	547514	20.000	ng	-0.02
76) Chrysene-d12	21.516	240	612633	20.000	ng	0.00
86) Perylene-d12	24.810	264	722694	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	677892	117.422	ng	0.00
7) Phenol-d6	6.852	99	727552	98.743	ng	0.00
23) Nitrobenzene-d5	8.805	82	543106	73.051	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	689884	167.814	ng	-0.01
45) 2-Fluorobiphenyl	12.887	172	1404895	75.902	ng	-0.02
79) Terphenyl-d14	19.810	244	3186061	89.174	ng	0.00
Target Compounds						
32) Benzoic acid	9.775	122	43	7.478	ng	# 1
54) 2,4-Dinitrophenol	14.410	184	4	6.403	ng	# 1
56) 4-Nitrophenol	14.516	139	26	4.241	ng	# 30

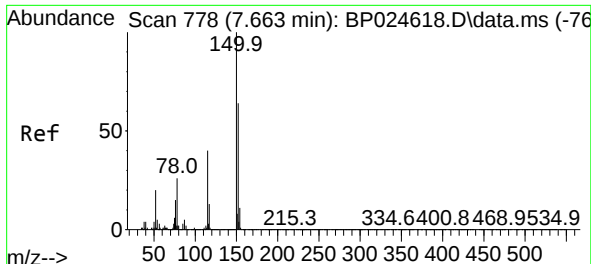
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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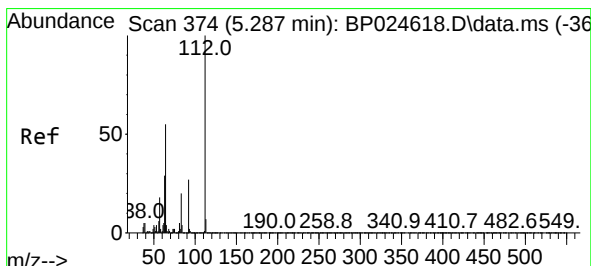
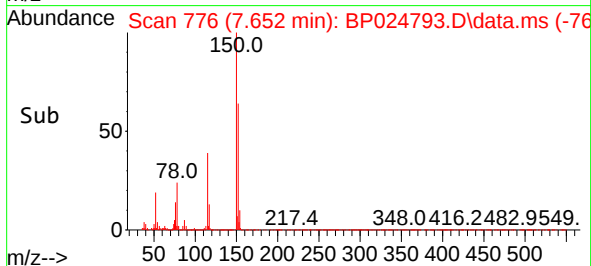
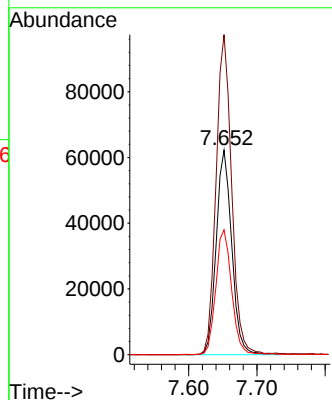
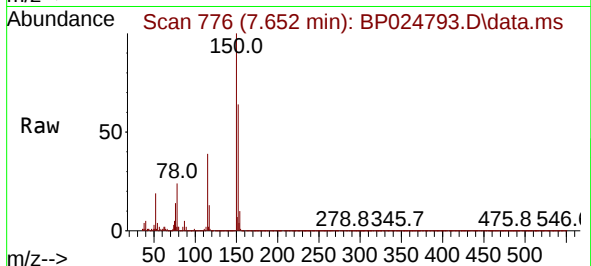




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

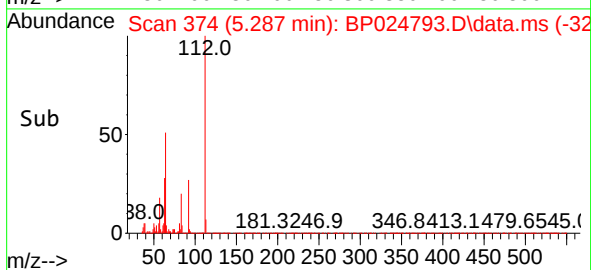
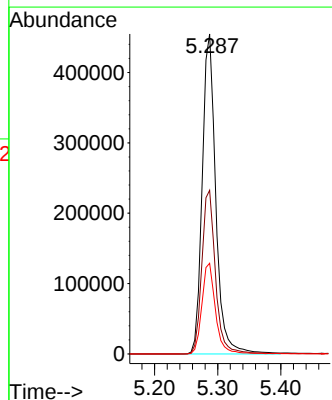
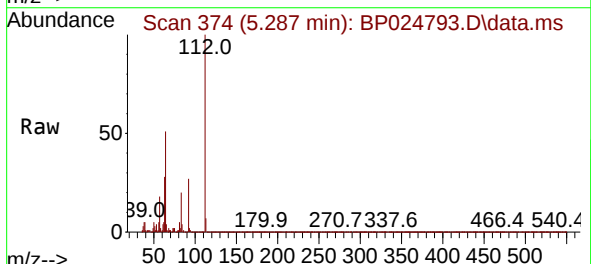
Instrument :
BNA_P
ClientSampleId :
RT3419

Tgt Ion:152 Resp: 98742
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 61.0 50.1 75.1



#5
2-Fluorophenol
Concen: 117.422 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

Tgt Ion:112 Resp: 677892
Ion Ratio Lower Upper
112 100
64 51.1 44.1 66.1
63 28.3 23.5 35.3

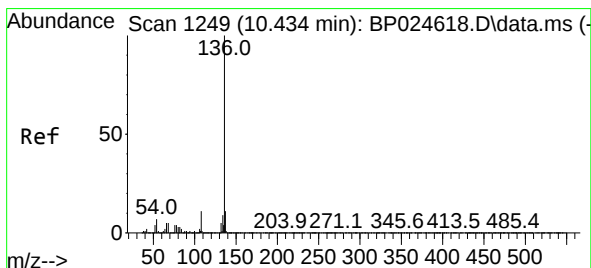
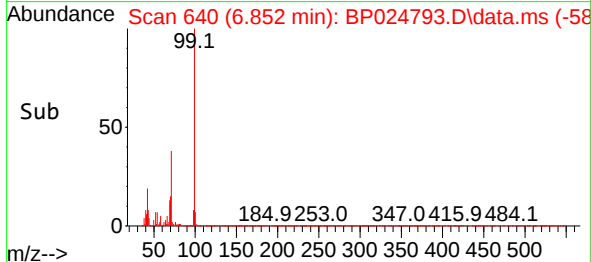
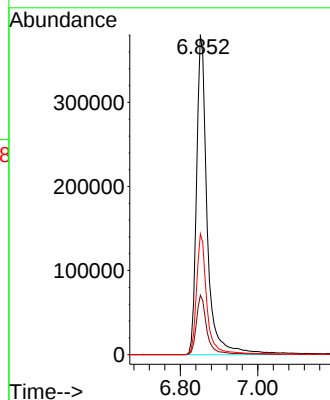
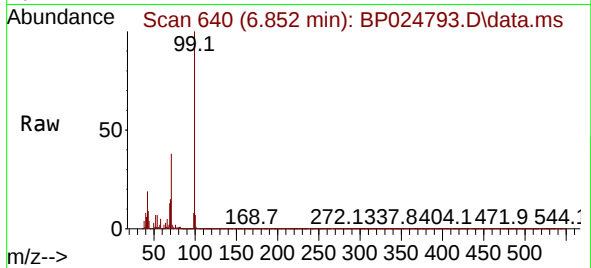




#7
Phenol-d6
Concen: 98.743 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

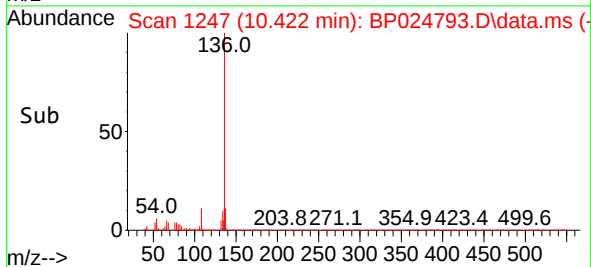
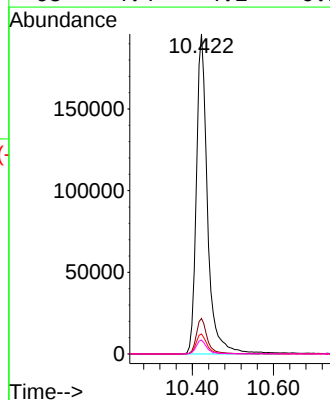
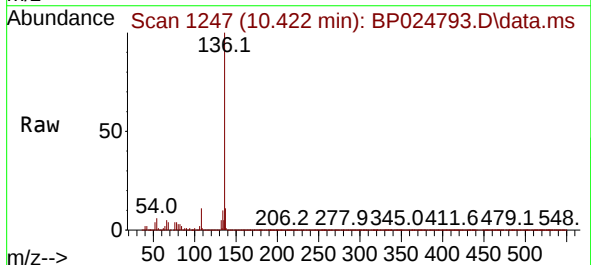
Instrument :
BNA_P
ClientSampleId :
RT3419

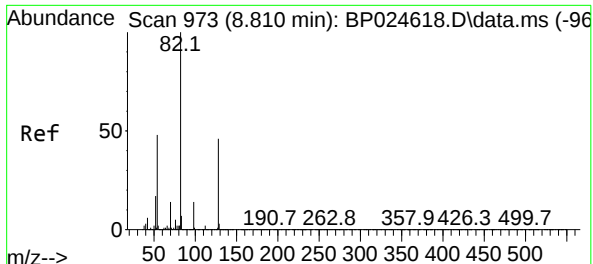
Tgt Ion: 99 Resp: 727552
Ion Ratio Lower Upper
99 100
42 18.6 14.4 21.6
71 37.8 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

Tgt Ion: 136 Resp: 375645
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.2 5.5 8.3
68 4.4 4.2 6.2

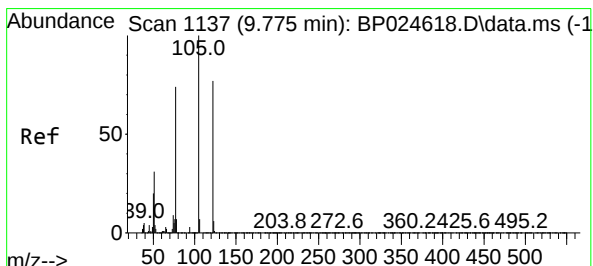
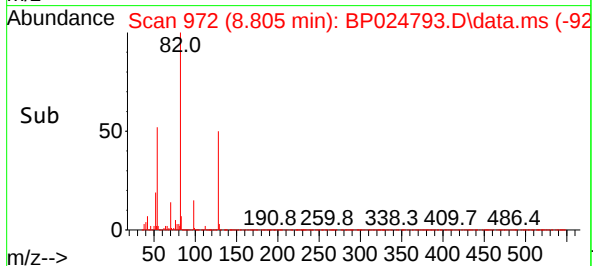
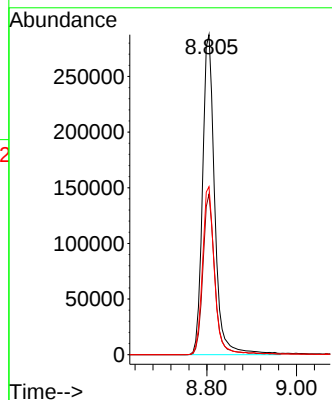
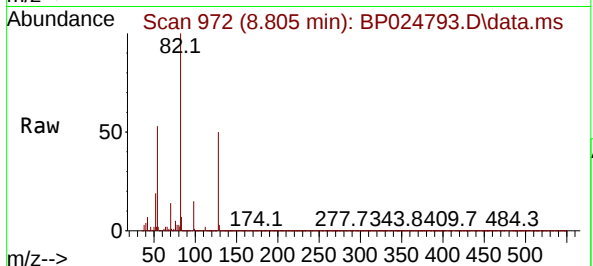




#23
Nitrobenzene-d5
Concen: 73.051 ng
RT: 8.805 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

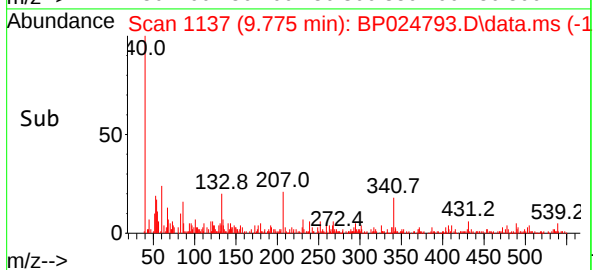
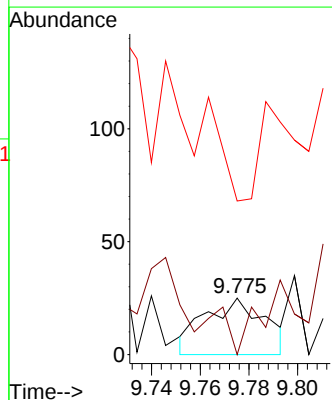
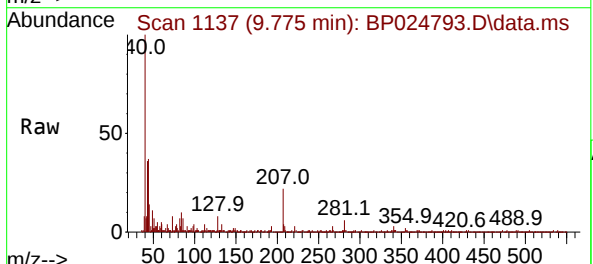
Instrument :
BNA_P
ClientSampleId :
RT3419

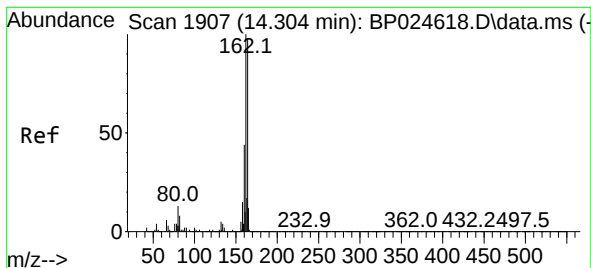
Tgt Ion: 82 Resp: 543106
Ion Ratio Lower Upper
82 100
128 50.1 37.0 55.4
54 52.5 38.7 58.1



#32
Benzoic acid
Concen: 7.478 ng
RT: 9.775 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

Tgt Ion:122 Resp: 43
Ion Ratio Lower Upper
122 100
105 0.0 106.9 146.9#
77 272.0 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.287 min Scan# 1904

Delta R.T. -0.018 min

Lab File: BP024793.D

Acq: 23 May 2025 15:06

Instrument :

BNA_P

ClientSampleId :

RT3419

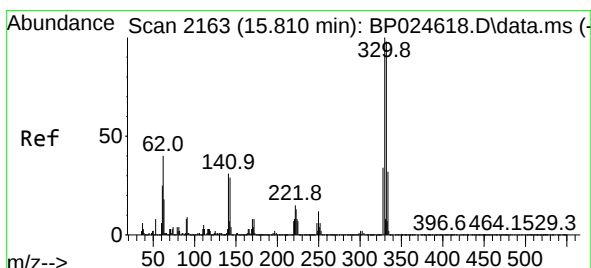
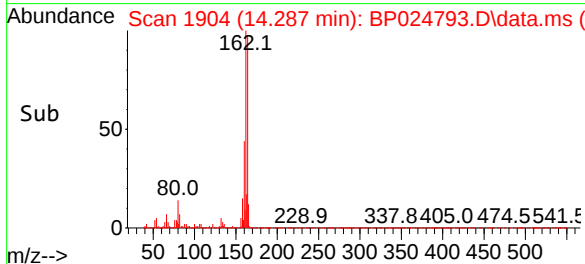
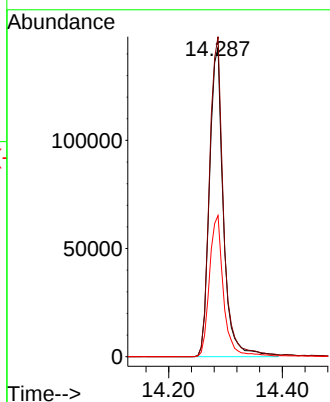
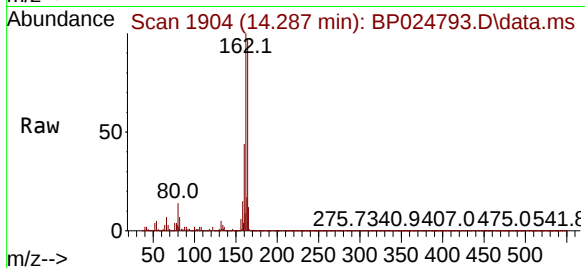
Tgt Ion:164 Resp: 242496

Ion Ratio Lower Upper

164 100

162 103.5 81.8 122.6

160 45.7 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 167.814 ng

RT: 15.798 min Scan# 2161

Delta R.T. -0.012 min

Lab File: BP024793.D

Acq: 23 May 2025 15:06

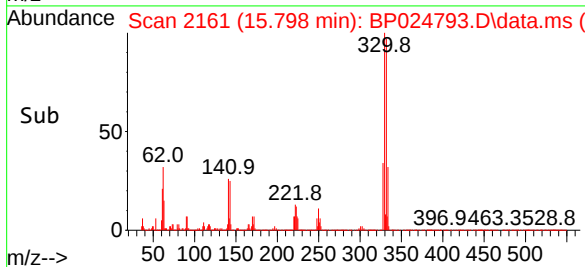
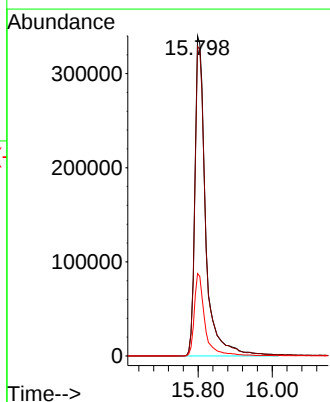
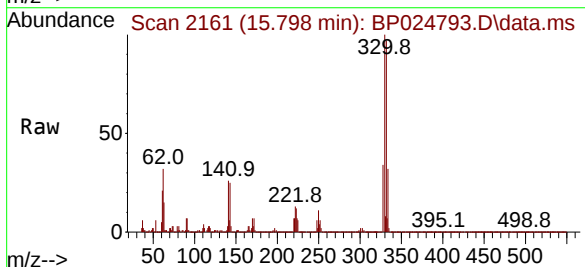
Tgt Ion:330 Resp: 689884

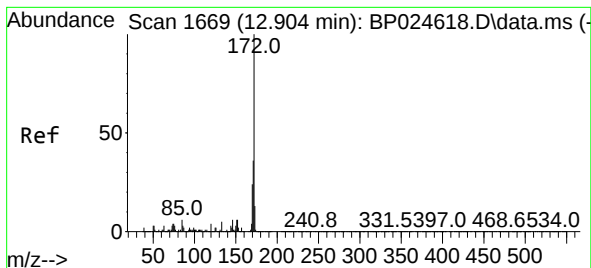
Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.4

141 25.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 75.902 ng

RT: 12.887 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP024793.D

Acq: 23 May 2025 15:06

Instrument :

BNA_P

ClientSampleId :

RT3419

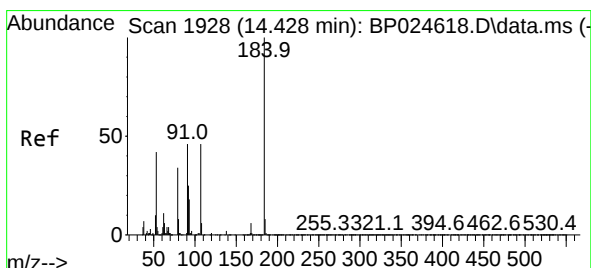
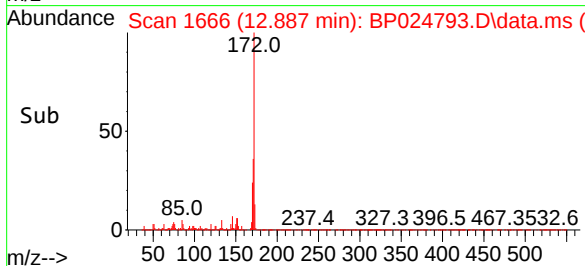
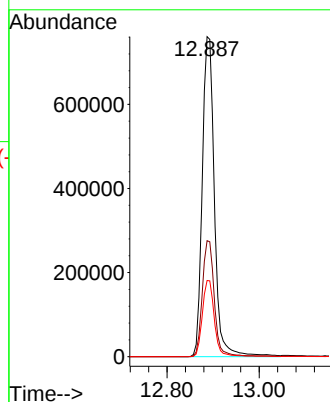
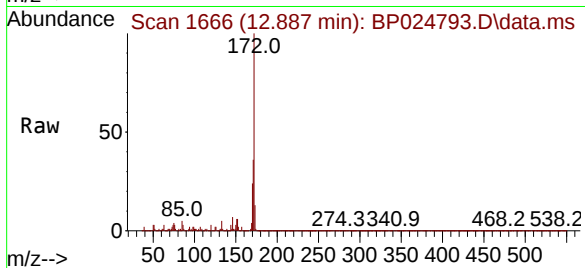
Tgt Ion:172 Resp: 1404895

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.8 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.403 ng

RT: 14.410 min Scan# 1925

Delta R.T. -0.018 min

Lab File: BP024793.D

Acq: 23 May 2025 15:06

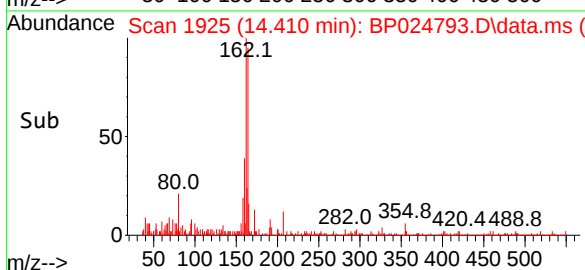
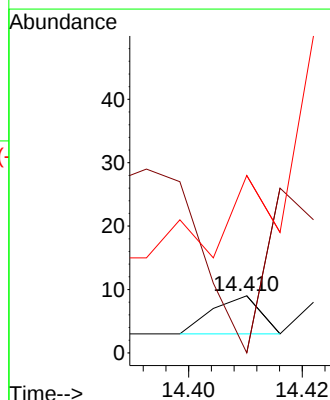
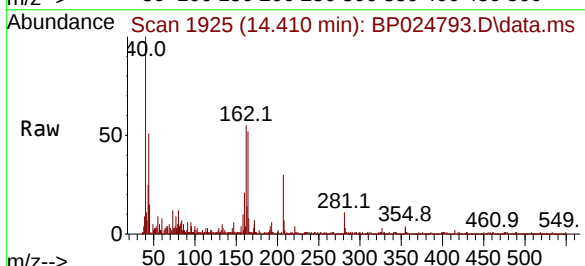
Tgt Ion:184 Resp: 4

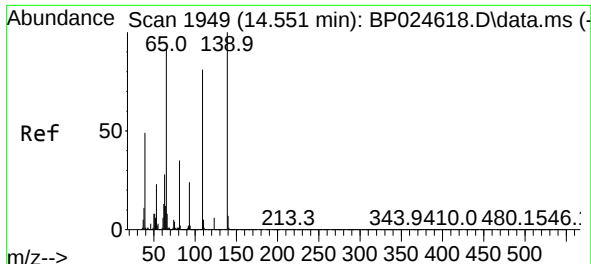
Ion Ratio Lower Upper

184 100

63 0.0 51.3 76.9#

154 311.1 53.5 80.3#

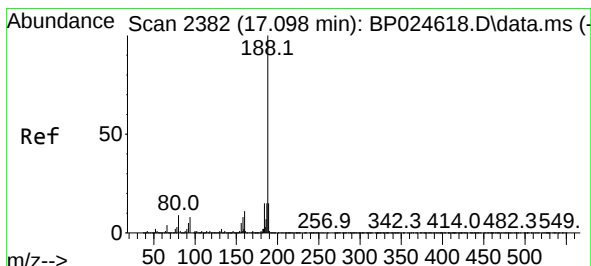
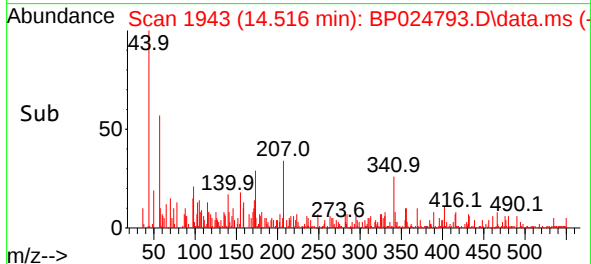
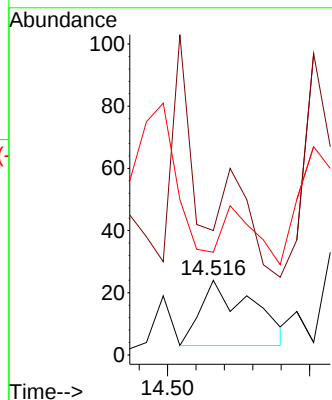
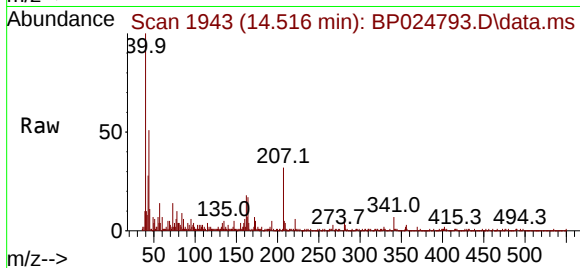




#56
4-Nitrophenol
Concen: 4.241 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.035 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

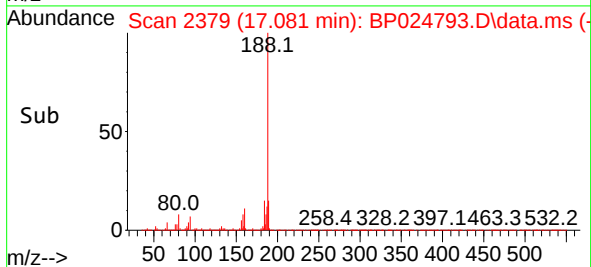
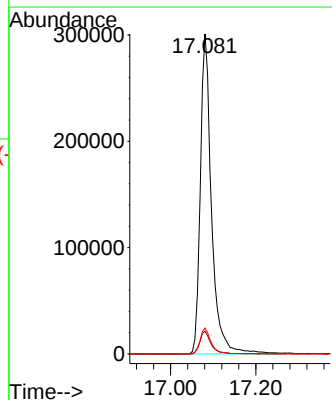
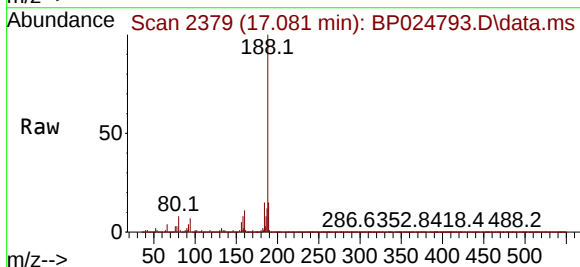
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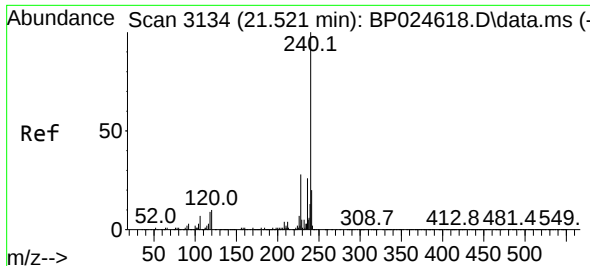
Tgt Ion:139 Resp: 26
Ion Ratio Lower Upper
139 100
109 166.7 61.4 101.4#
65 137.5 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

Tgt Ion:188 Resp: 547514
Ion Ratio Lower Upper
188 100
94 7.1 6.5 9.7
80 8.1 7.3 10.9

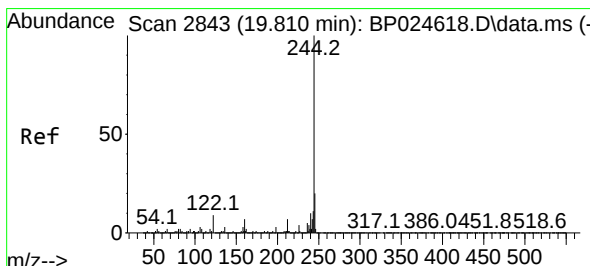
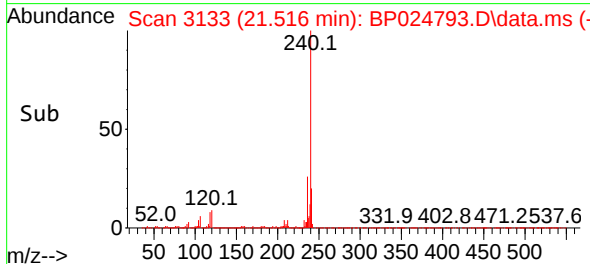
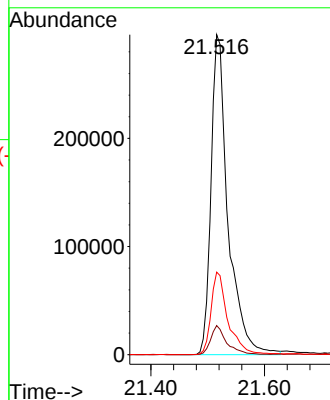
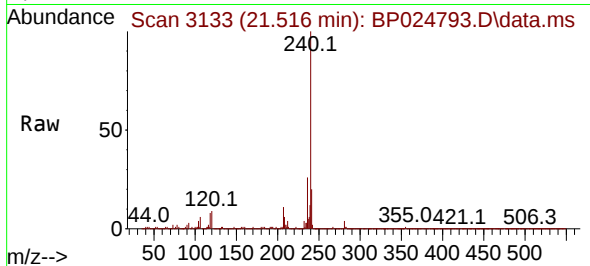




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

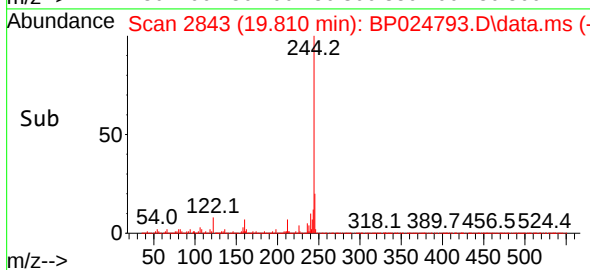
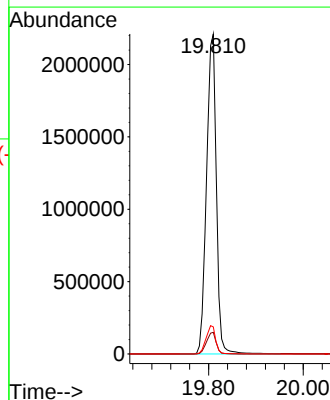
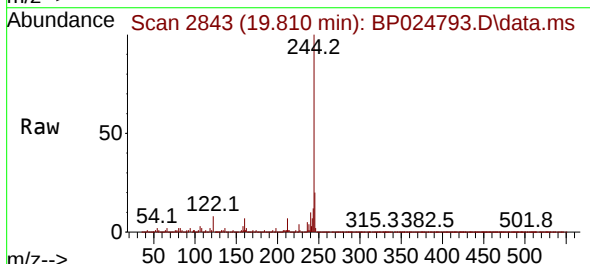
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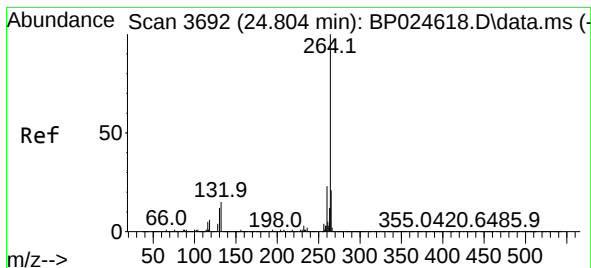
Tgt Ion:240 Resp: 612633
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.6
236 25.8 20.6 31.0



#79
Terphenyl-d14
Concen: 89.174 ng
RT: 19.810 min Scan# 2843
Delta R.T. 0.000 min
Lab File: BP024793.D
Acq: 23 May 2025 15:06

Tgt Ion:244 Resp: 3186061
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 8.4 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.810 min Scan# 30

Delta R.T. 0.006 min

Lab File: BP024793.D

Acq: 23 May 2025 15:06

Instrument :

BNA_P

ClientSampleId :

RT3419

Tgt Ion:264 Resp: 722694

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 22.2 17.0 25.6

