

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
 Data File : BP024794.D
 Acq On : 23 May 2025 15:47
 Operator : RC/JU
 Sample : Q2097-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-12013

Quant Time: May 23 16:29:14 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)

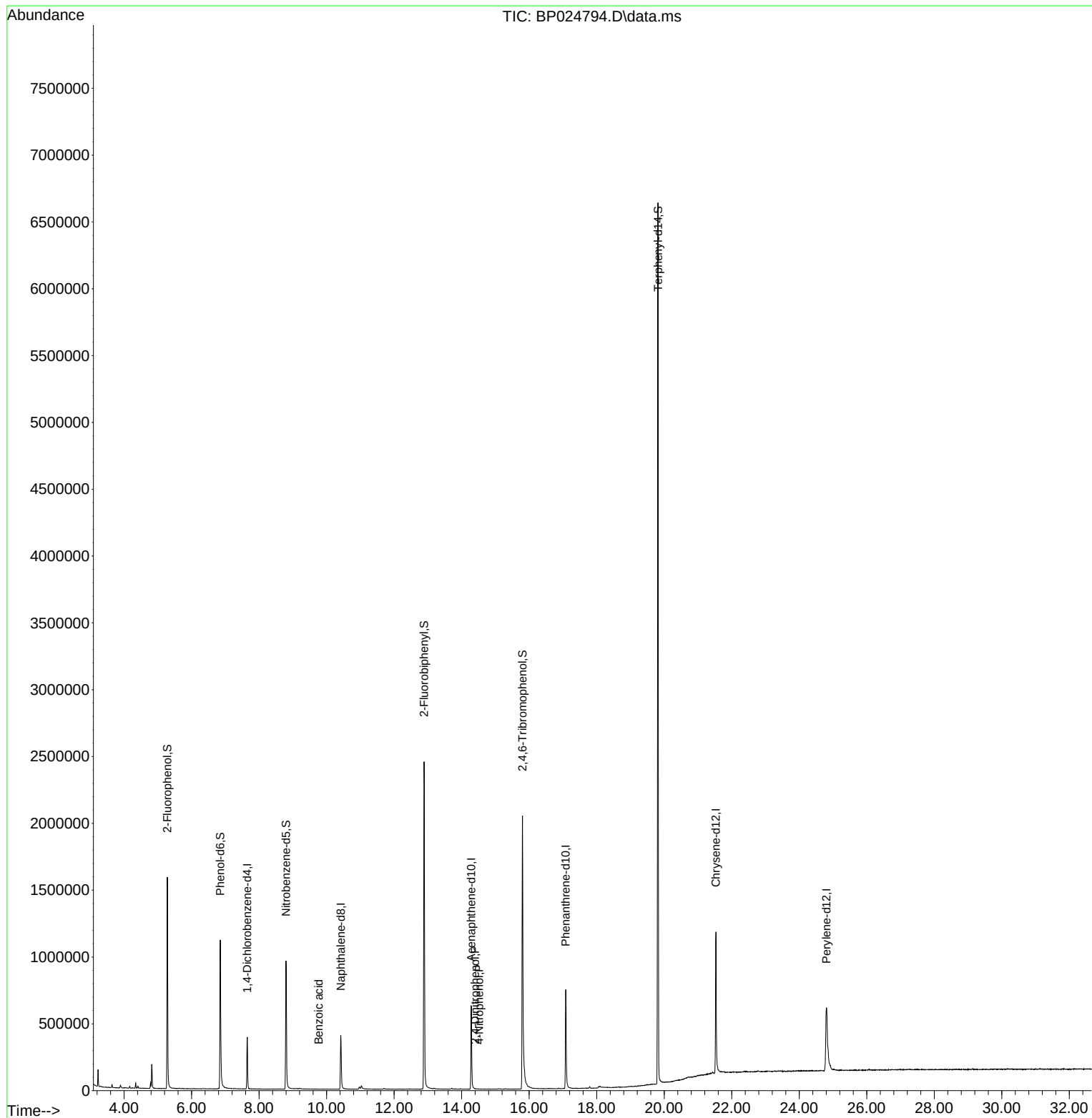
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	104789	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	395686	20.000	ng	-0.01
39) Acenaphthene-d10	14.287	164	252072	20.000	ng	-0.02
64) Phenanthrene-d10	17.081	188	545074	20.000	ng	-0.02
76) Chrysene-d12	21.533	240	681998	20.000	ng	0.01
86) Perylene-d12	24.804	264	762956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	719820	117.489	ng	0.00
7) Phenol-d6	6.852	99	749631	95.869	ng	0.00
23) Nitrobenzene-d5	8.799	82	577877	73.791	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	678356	158.741	ng	0.00
45) 2-Fluorobiphenyl	12.887	172	1453206	75.529	ng	-0.02
79) Terphenyl-d14	19.816	244	3479920	87.493	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.763	122	33	7.475	ng	# 1
54) 2,4-Dinitrophenol	14.393	184	18	6.408	ng	# 90
56) 4-Nitrophenol	14.516	139	22	4.240	ng	# 1

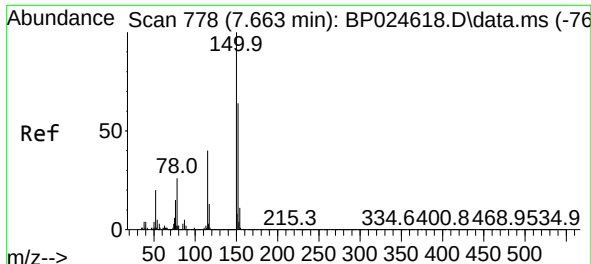
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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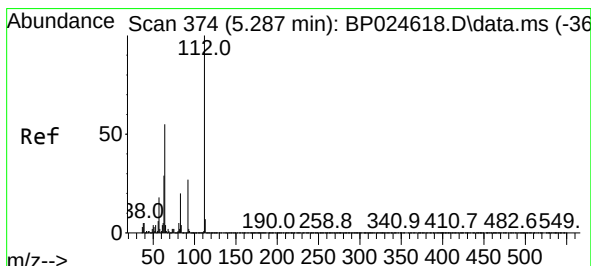
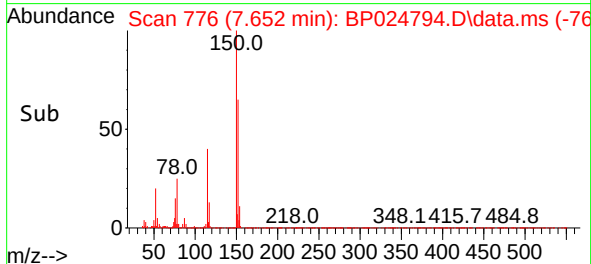
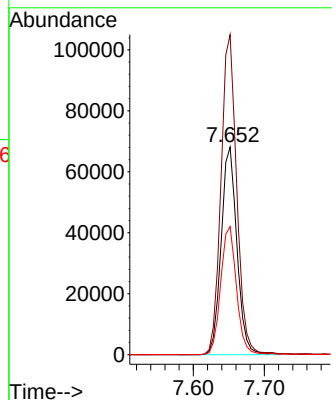
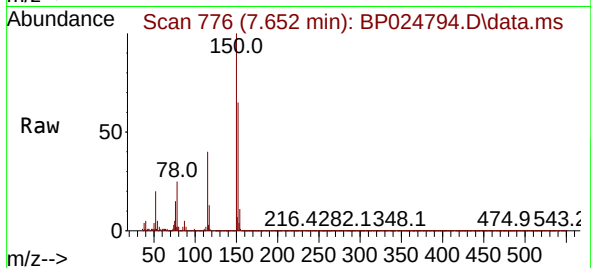




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

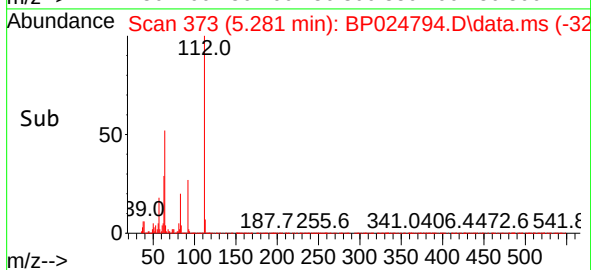
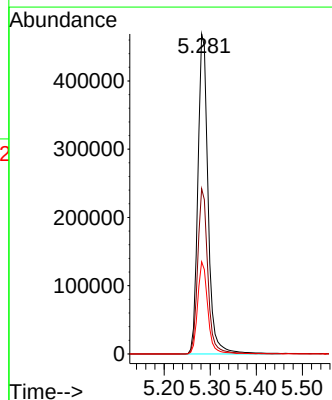
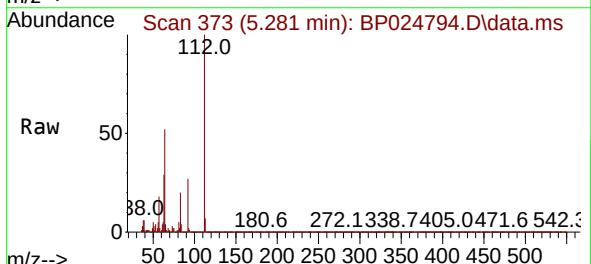
Instrument :
BNA_P
ClientSampleId :
72-12013

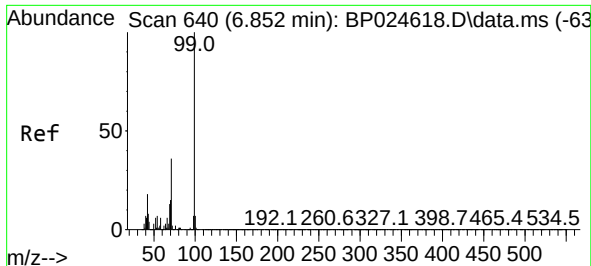
Tgt Ion:152 Resp: 104789
Ion Ratio Lower Upper
152 100
150 154.1 125.9 188.9
115 61.7 50.1 75.1



#5
2-Fluorophenol
Concen: 117.489 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

Tgt Ion:112 Resp: 719820
Ion Ratio Lower Upper
112 100
64 51.7 44.1 66.1
63 28.8 23.5 35.3

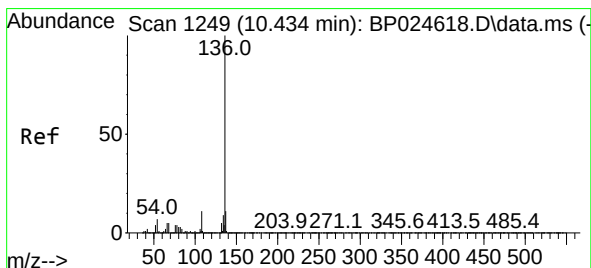
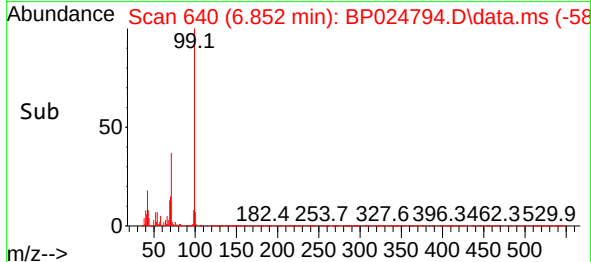
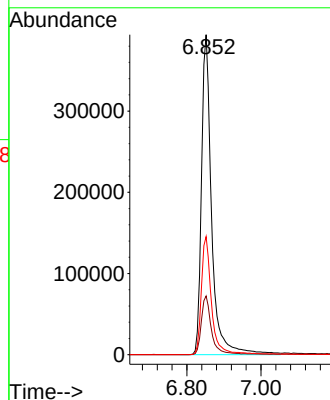
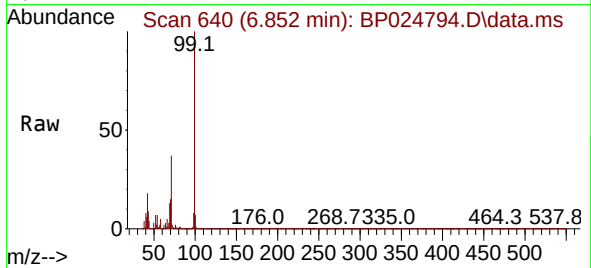




#7
Phenol-d6
Concen: 95.869 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

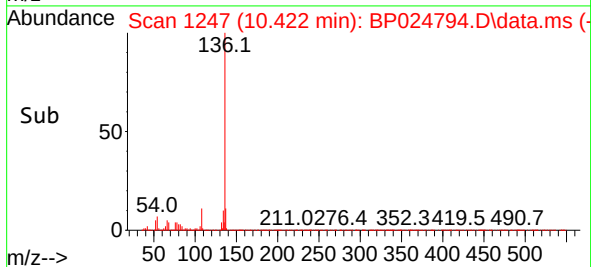
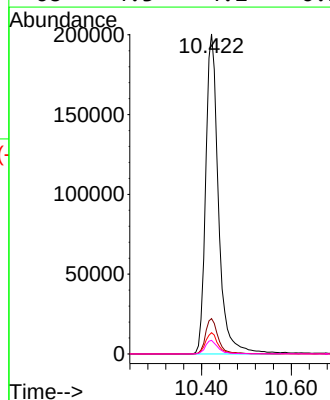
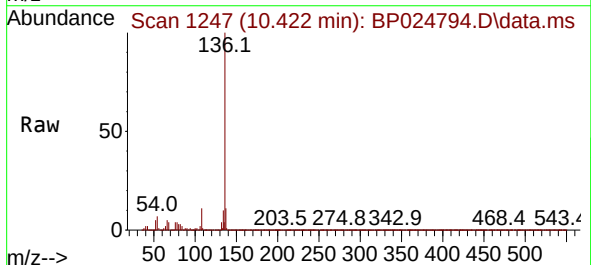
Instrument :
BNA_P
ClientSampleId :
72-12013

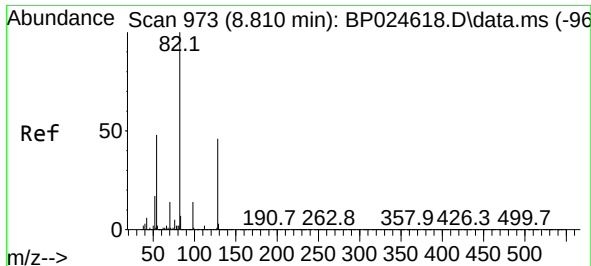
Tgt Ion: 99 Resp: 749631
Ion Ratio Lower Upper
99 100
42 18.4 14.4 21.6
71 36.9 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

Tgt Ion: 136 Resp: 395686
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.5 8.3
68 4.3 4.2 6.2

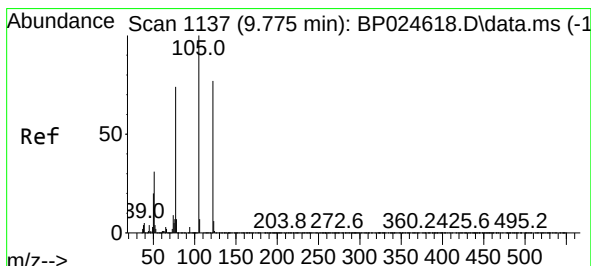
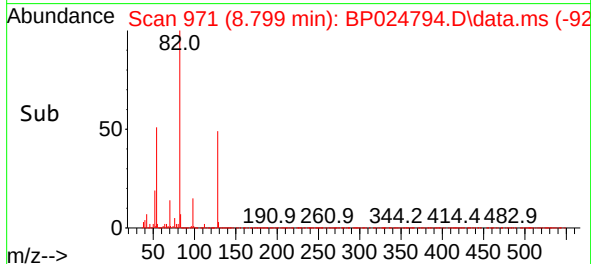
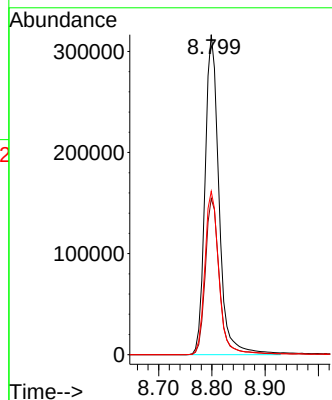
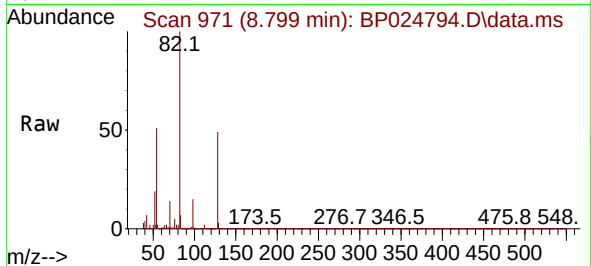




#23
Nitrobenzene-d5
Concen: 73.791 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

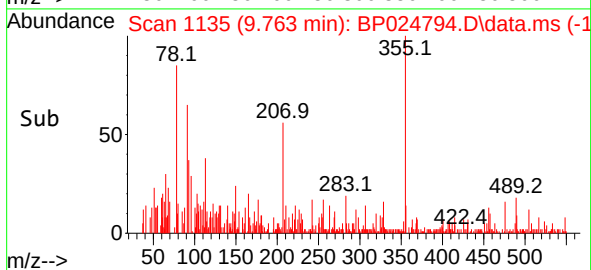
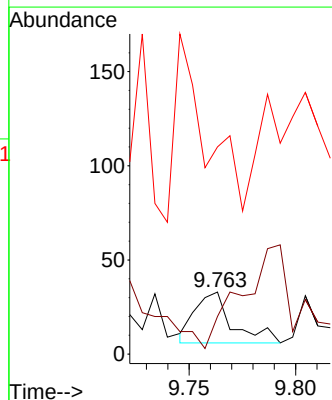
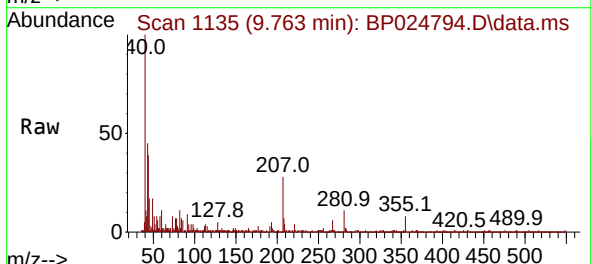
Instrument :
BNA_P
ClientSampleId :
72-12013

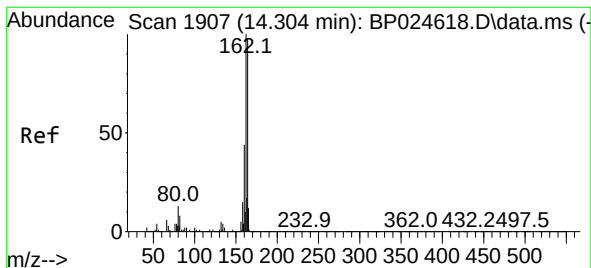
Tgt Ion: 82 Resp: 577877
Ion Ratio Lower Upper
82 100
128 48.8 37.0 55.4
54 51.1 38.7 58.1



#32
Benzoic acid
Concen: 7.475 ng
RT: 9.763 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

Tgt Ion:122 Resp: 33
Ion Ratio Lower Upper
122 100
105 60.6 106.9 146.9#
77 333.3 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: BP024794.D

Acq: 23 May 2025 15:47

Instrument :

BNA_P

ClientSampleId :

72-12013

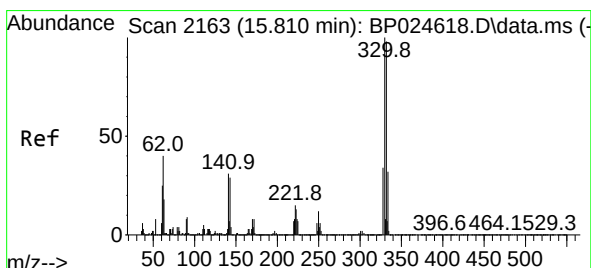
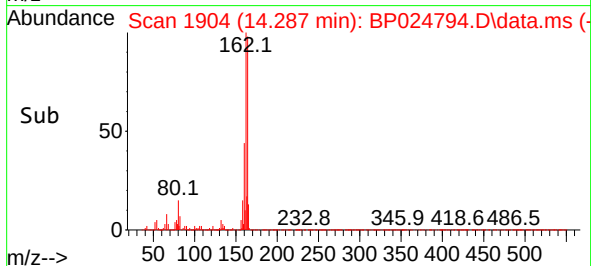
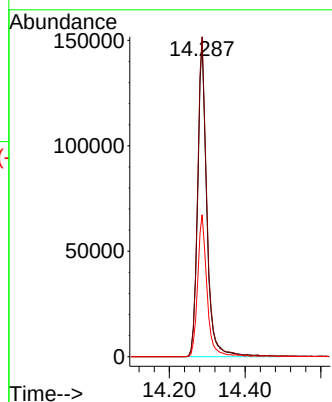
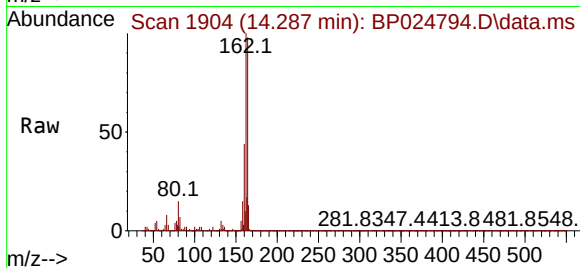
Tgt Ion:164 Resp: 252072

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

160 45.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 158.741 ng

RT: 15.804 min Scan# 2162

Delta R.T. -0.006 min

Lab File: BP024794.D

Acq: 23 May 2025 15:47

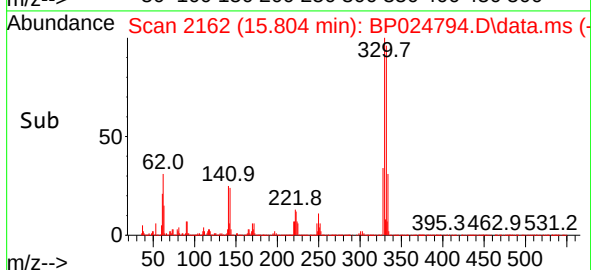
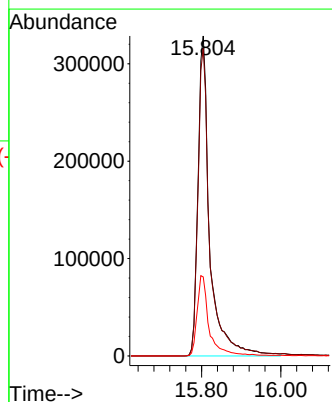
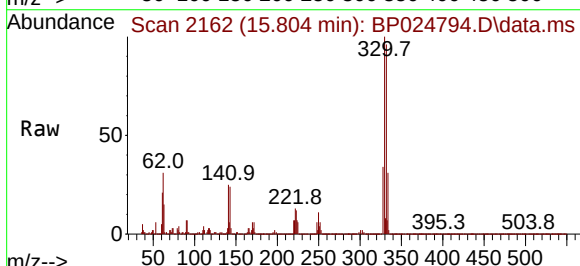
Tgt Ion:330 Resp: 678356

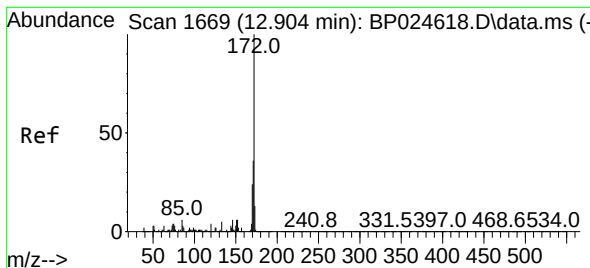
Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.4

141 25.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 75.529 ng

RT: 12.887 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP024794.D

Acq: 23 May 2025 15:47

Instrument :

BNA_P

ClientSampleId :

72-12013

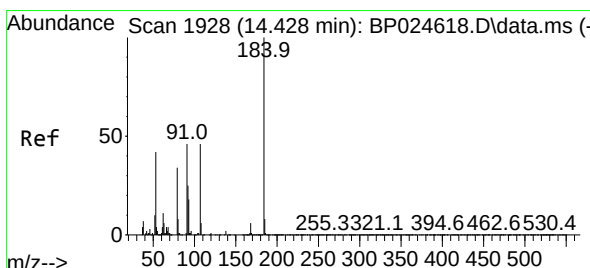
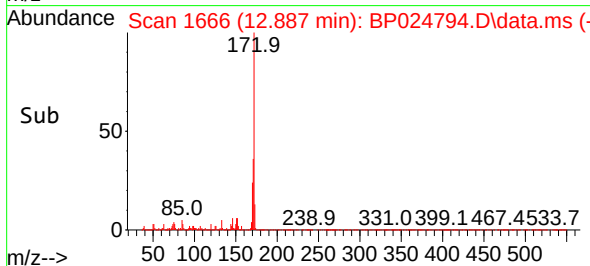
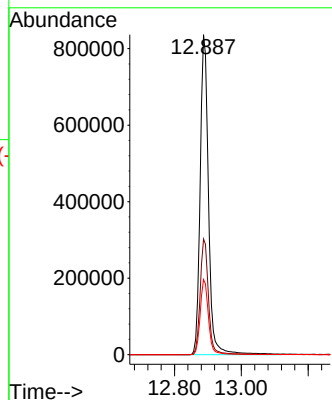
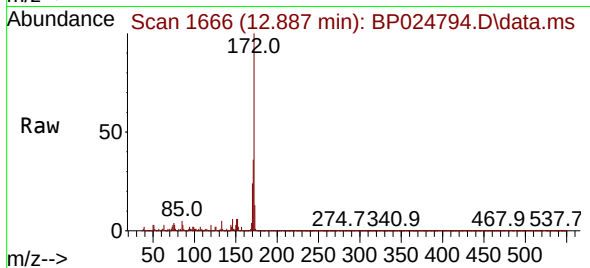
Tgt Ion:172 Resp: 1453206

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 23.5 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.408 ng

RT: 14.393 min Scan# 1922

Delta R.T. -0.036 min

Lab File: BP024794.D

Acq: 23 May 2025 15:47

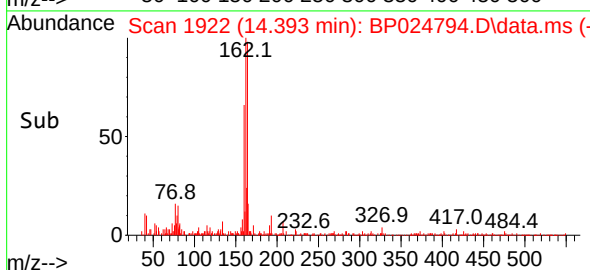
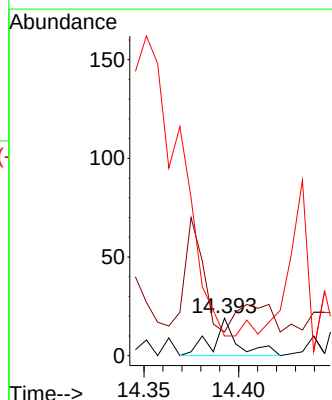
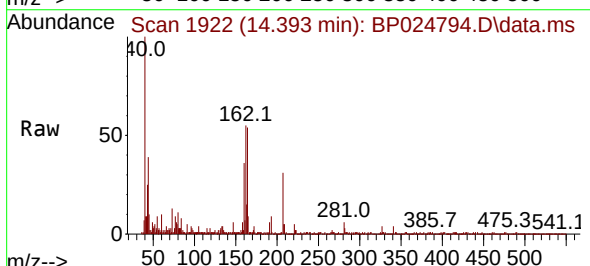
Tgt Ion:184 Resp: 18

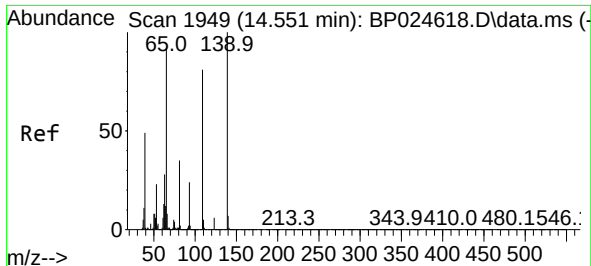
Ion Ratio Lower Upper

184 100

63 63.2 51.3 76.9

154 52.6 53.5 80.3#

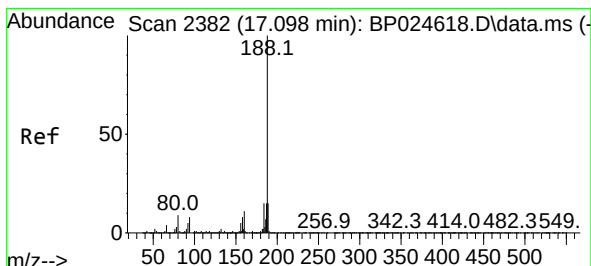
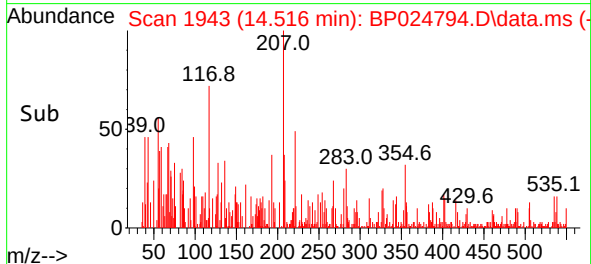
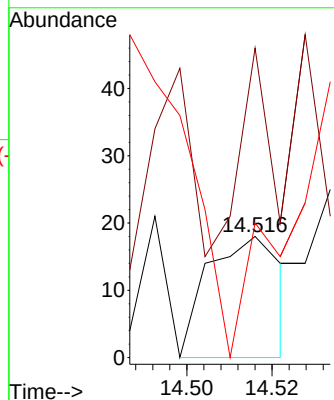
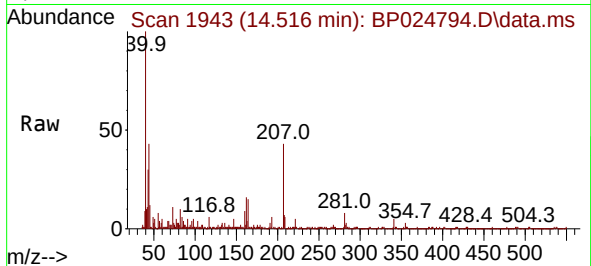




#56
4-Nitrophenol
Concen: 4.240 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.035 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

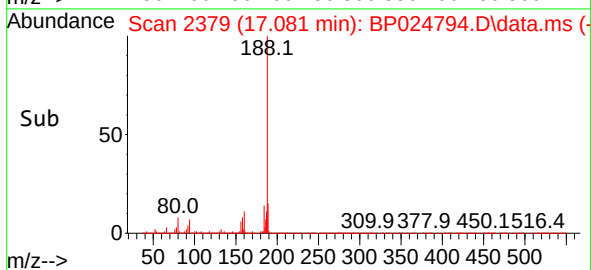
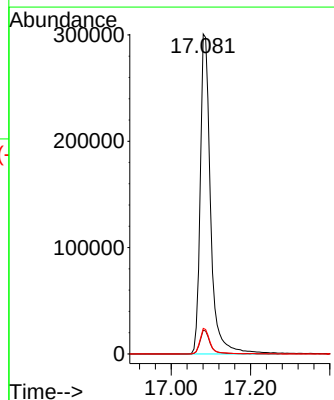
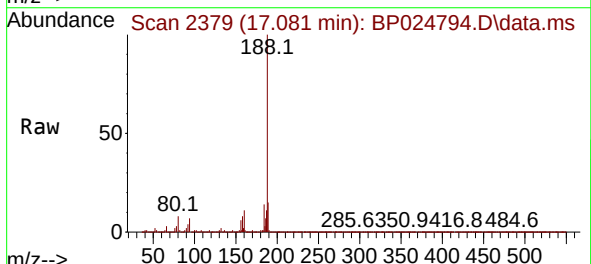
Instrument :
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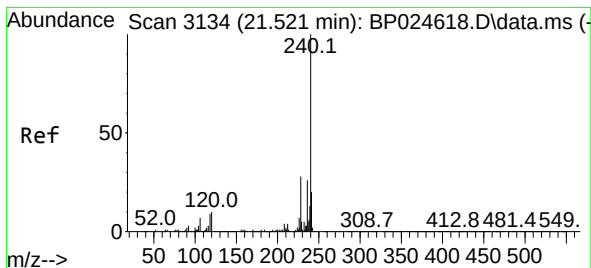
Tgt Ion:139 Resp: 22
Ion Ratio Lower Upper
139 100
109 255.6 61.4 101.4#
65 222.2 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024794.D
Acq: 23 May 2025 15:47

Tgt Ion:188 Resp: 545074
Ion Ratio Lower Upper
188 100
94 7.4 6.5 9.7
80 8.0 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3134

Delta R.T. 0.012 min

Lab File: BP024794.D

Acq: 23 May 2025 15:47

Instrument :

BNA_P

ClientSampleId :

72-12013

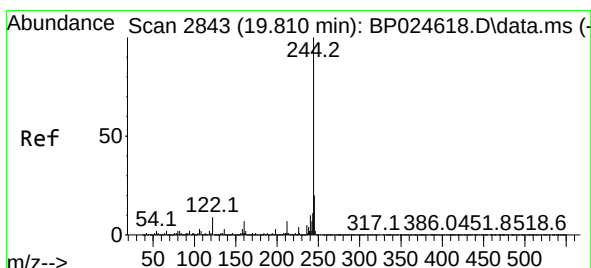
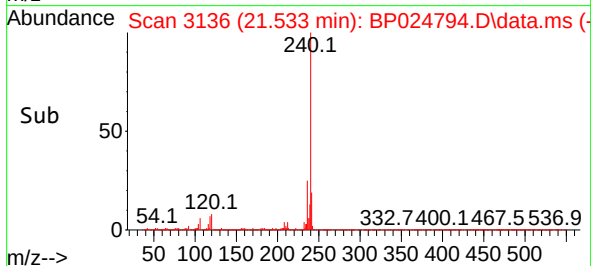
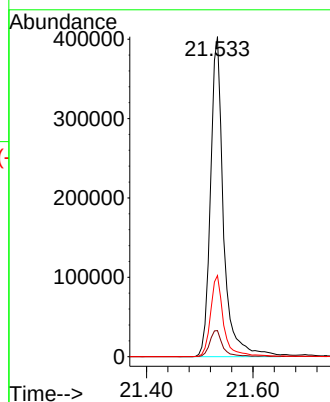
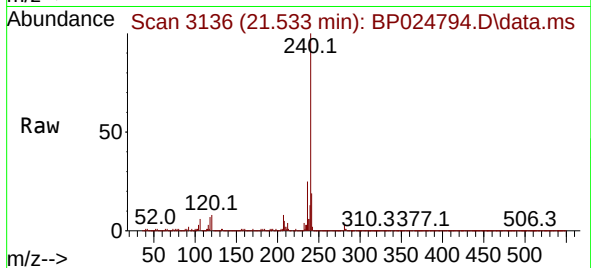
Tgt Ion:240 Resp: 681998

Ion Ratio Lower Upper

240 100

120 8.2 7.8 11.6

236 25.3 20.6 31.0



#79

Terphenyl-d14

Concen: 87.493 ng

RT: 19.816 min Scan# 2844

Delta R.T. 0.006 min

Lab File: BP024794.D

Acq: 23 May 2025 15:47

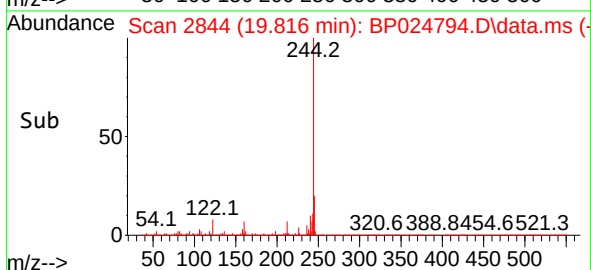
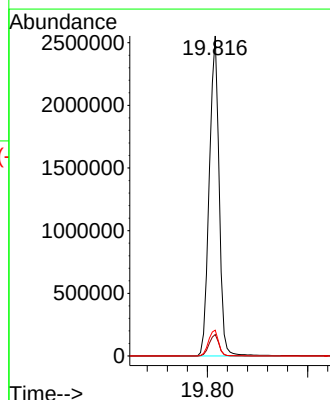
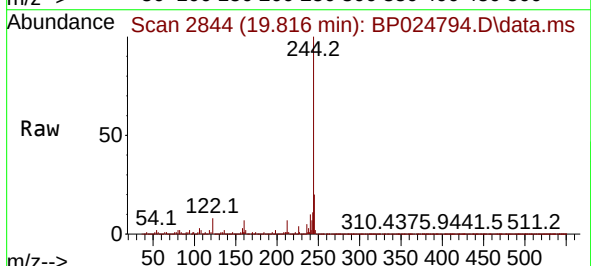
Tgt Ion:244 Resp: 3479920

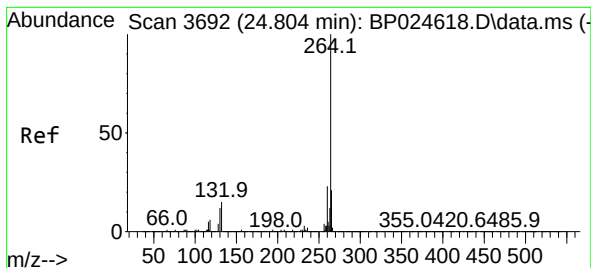
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 8.1 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: BP024794.D

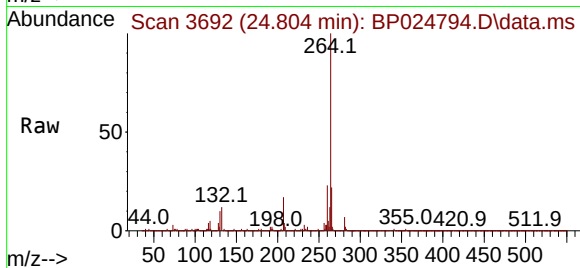
Acq: 23 May 2025 15:47

Instrument :

BNA_P

ClientSampleId :

72-12013



Tgt Ion:264 Resp: 762956

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.4 17.0 25.6

