

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
 Data File : BP024795.D
 Acq On : 23 May 2025 16:28
 Operator : RC/JU
 Sample : Q2094-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-1

Quant Time: May 23 16:47:29 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)

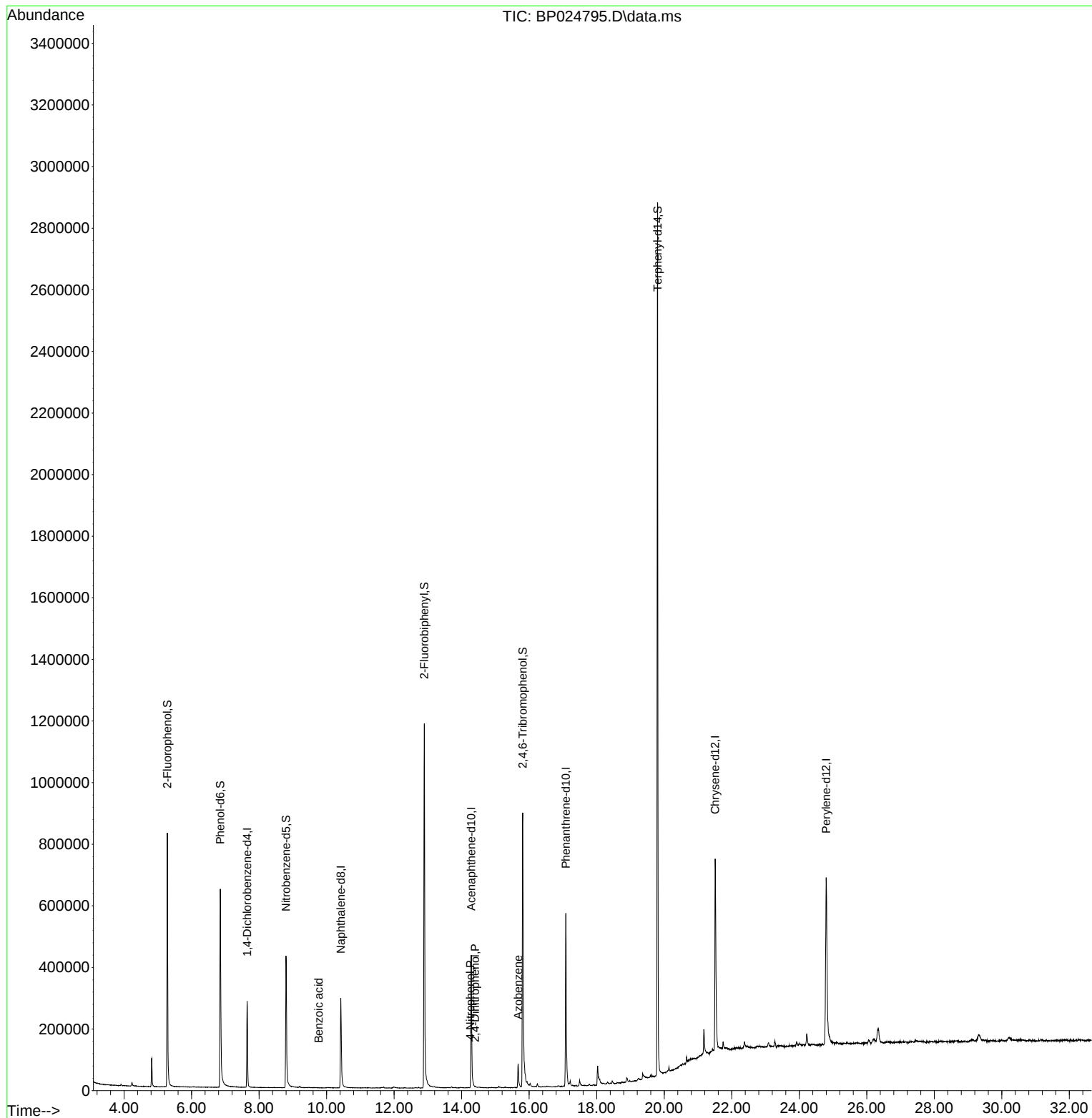
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	79062	20.000	ng	-0.02
21) Naphthalene-d8	10.422	136	299121	20.000	ng	-0.01
39) Acenaphthene-d10	14.286	164	188302	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	412582	20.000	ng	-0.01
76) Chrysene-d12	21.509	240	524064	20.000	ng	-0.01
86) Perylene-d12	24.798	264	667601	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	380787	82.377	ng	0.00
7) Phenol-d6	6.851	99	447239	75.809	ng	0.00
23) Nitrobenzene-d5	8.798	82	282428	47.707	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	296589	92.909	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	756234	52.616	ng	-0.01
79) Terphenyl-d14	19.804	244	1595242	52.195	ng	0.00
Target Compounds						
32) Benzoic acid	9.763	122	23	7.475	ng	# 1
54) 2,4-Dinitrophenol	14.392	184	12	6.407	ng	# 1
56) 4-Nitrophenol	14.257	139	15	4.239	ng	95
63) Azobenzene	15.675	77	28855	2.325	ng	# 1

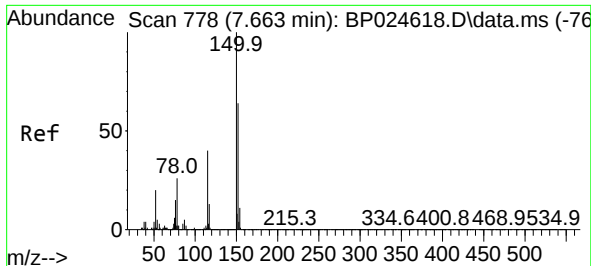
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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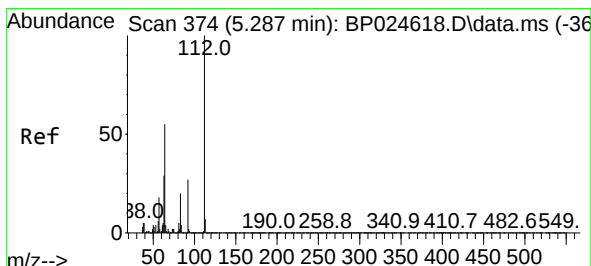
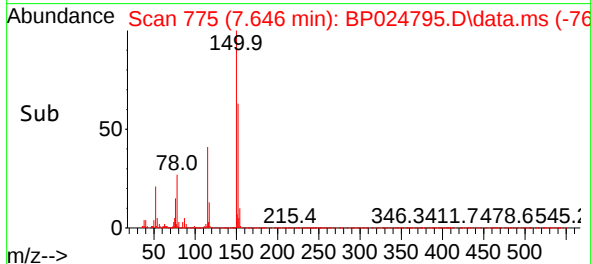
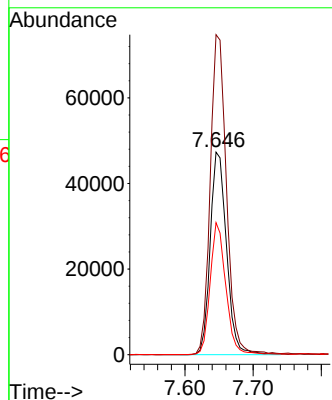
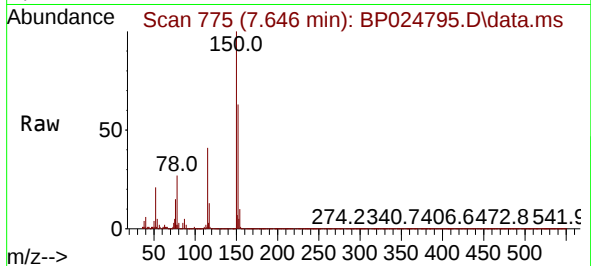




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.646 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

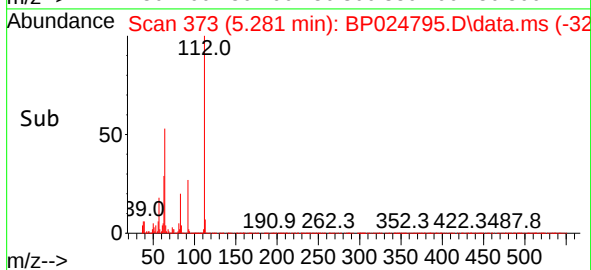
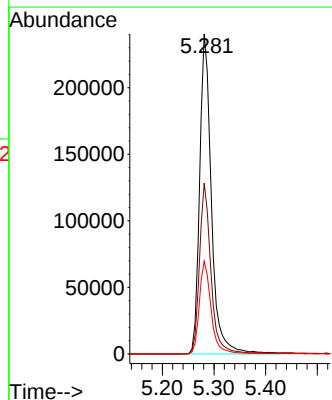
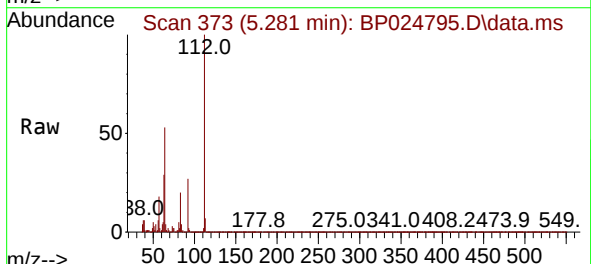
Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 79062
Ion Ratio Lower Upper
152 100
150 158.0 125.9 188.9
115 65.2 50.1 75.1



#5
2-Fluorophenol
Concen: 82.377 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

Tgt Ion:112 Resp: 380787
Ion Ratio Lower Upper
112 100
64 53.4 44.1 66.1
63 29.0 23.5 35.3

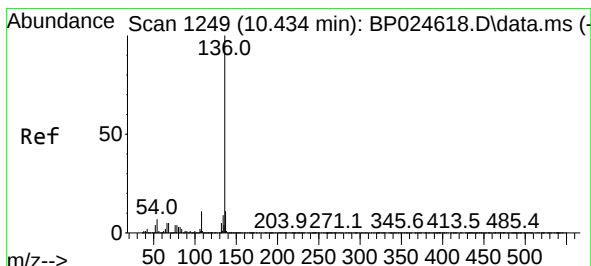
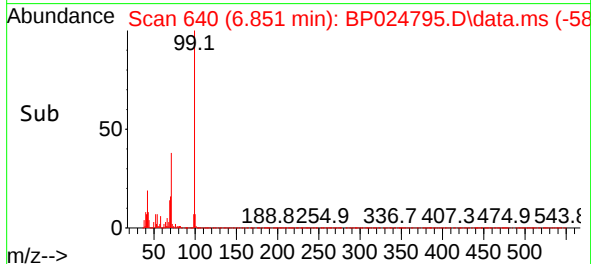
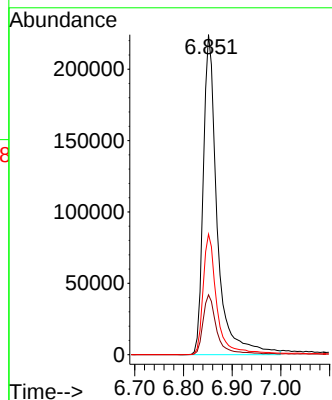
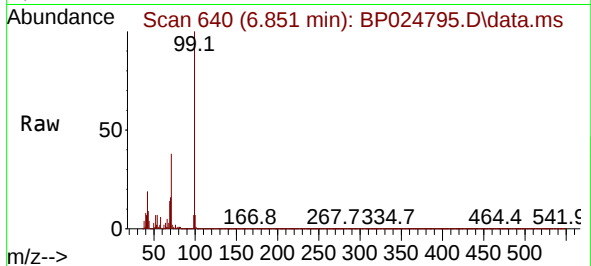




#7
Phenol-d6
Concen: 75.809 ng
RT: 6.851 min Scan# 640
Delta R.T. -0.000 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

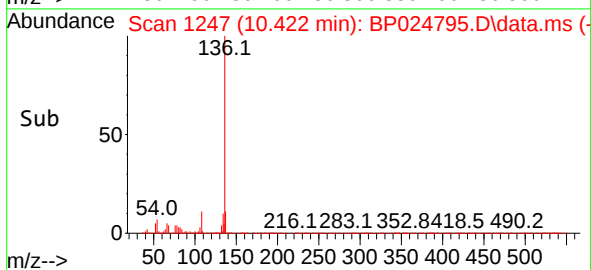
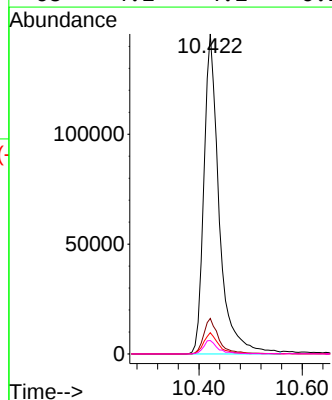
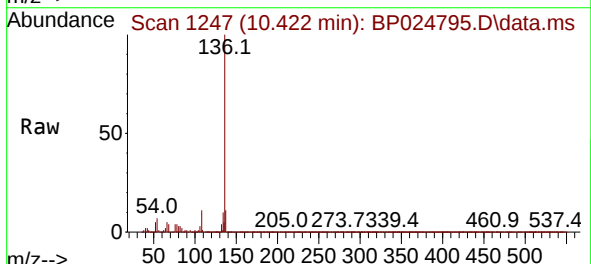
Instrument :
BNA_P
ClientSampleId :
COMP-1

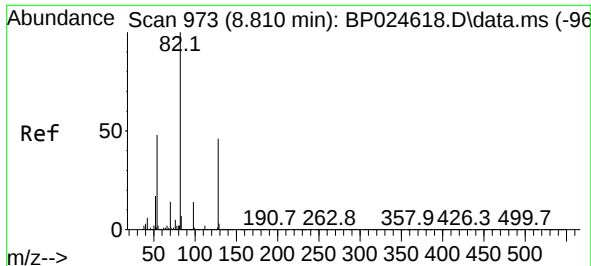
Tgt Ion: 99 Resp: 447239
Ion Ratio Lower Upper
99 100
42 18.7 14.4 21.6
71 37.7 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

Tgt Ion: 136 Resp: 299121
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.5 8.3
68 4.2 4.2 6.2

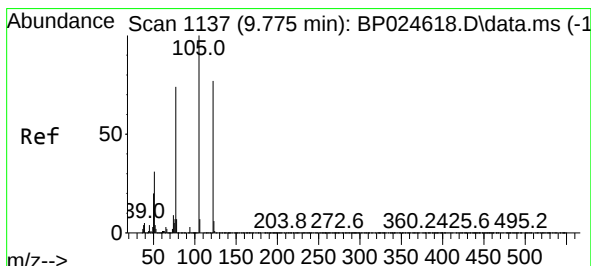
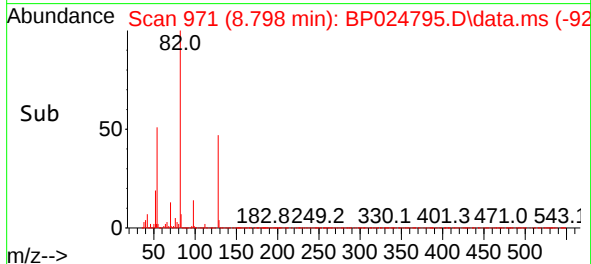
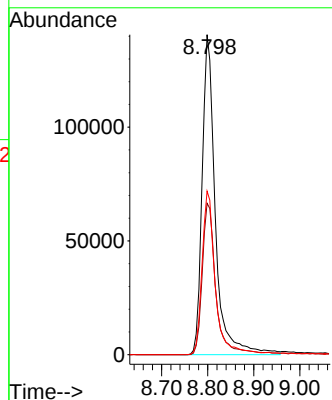
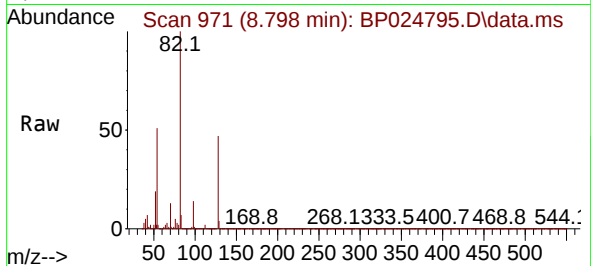




#23
Nitrobenzene-d5
Concen: 47.707 ng
RT: 8.798 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

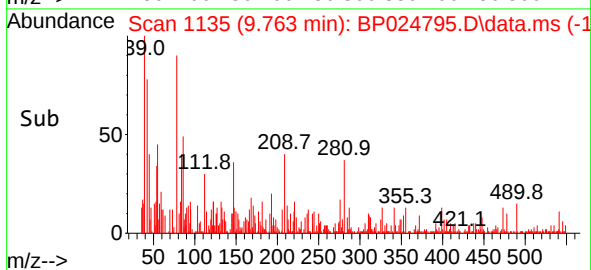
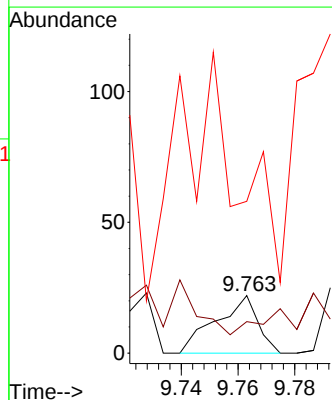
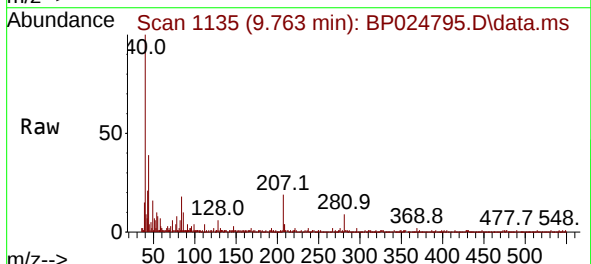
Instrument :
BNA_P
ClientSampleId :
COMP-1

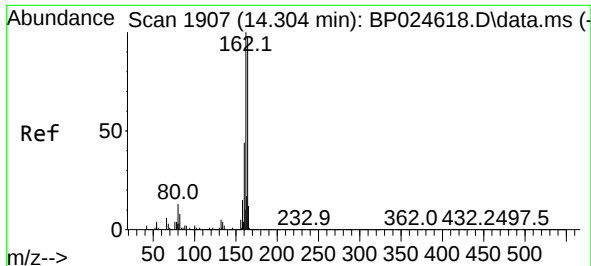
Tgt Ion: 82 Resp: 282428
Ion Ratio Lower Upper
82 100
128 47.3 37.0 55.4
54 51.1 38.7 58.1



#32
Benzoic acid
Concen: 7.475 ng
RT: 9.763 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

Tgt Ion:122 Resp: 23
Ion Ratio Lower Upper
122 100
105 54.5 106.9 146.9#
77 263.6 75.1 115.1#

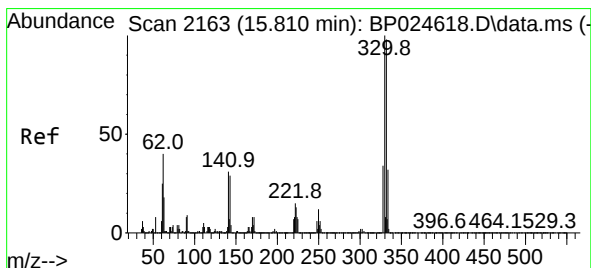
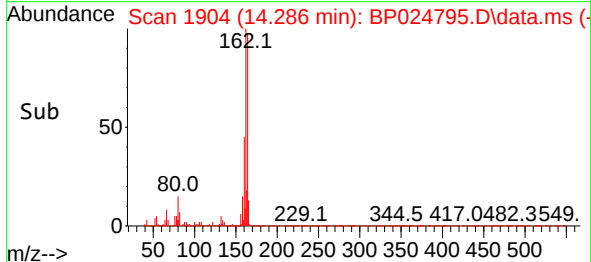
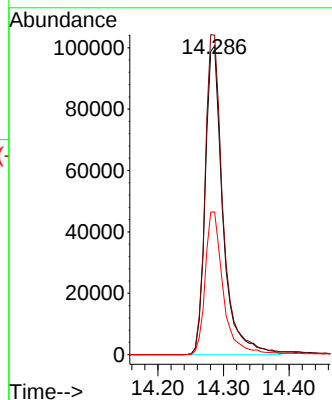
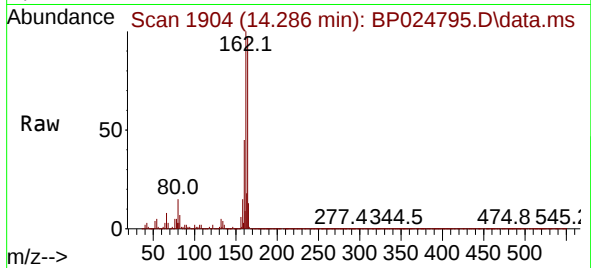




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

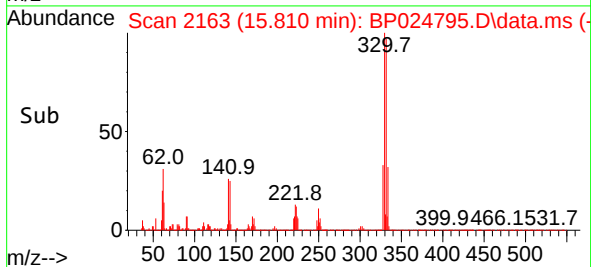
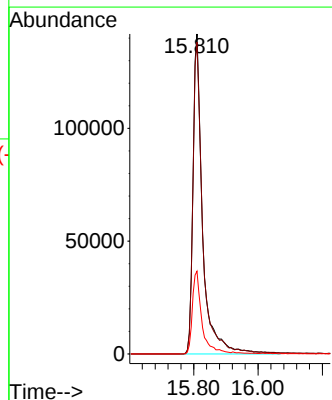
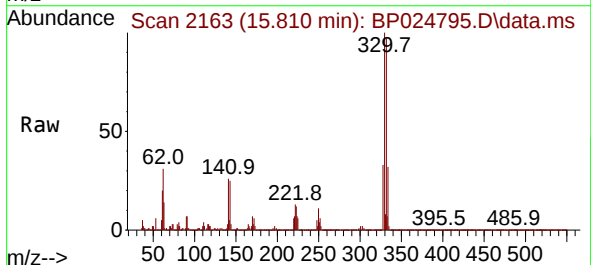
Instrument :
BNA_P
ClientSampleId :
COMP-1

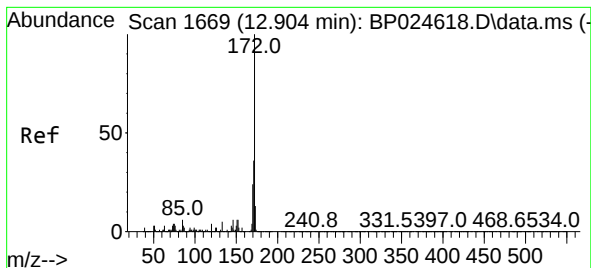
Tgt Ion:164 Resp: 188302
Ion Ratio Lower Upper
164 100
162 103.5 81.8 122.6
160 46.2 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 92.909 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

Tgt Ion:330 Resp: 296589
Ion Ratio Lower Upper
330 100
332 97.9 78.2 117.4
141 25.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 52.616 ng

RT: 12.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024795.D

Acq: 23 May 2025 16:28

Instrument :

BNA_P

ClientSampleId :

COMP-1

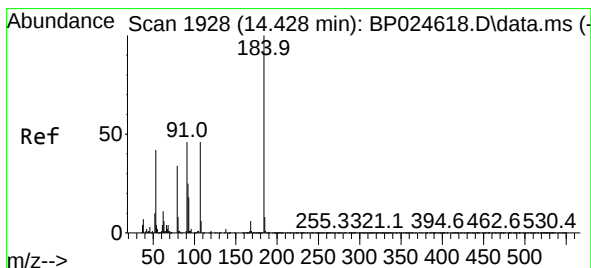
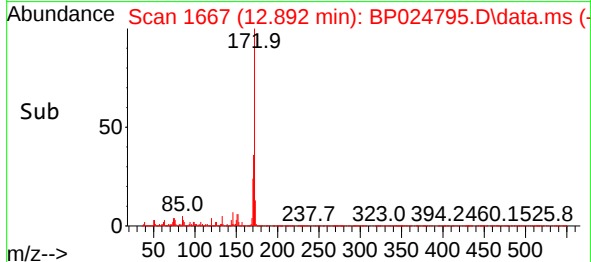
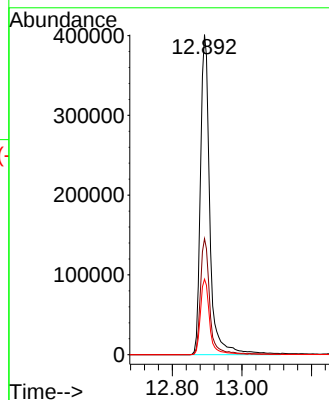
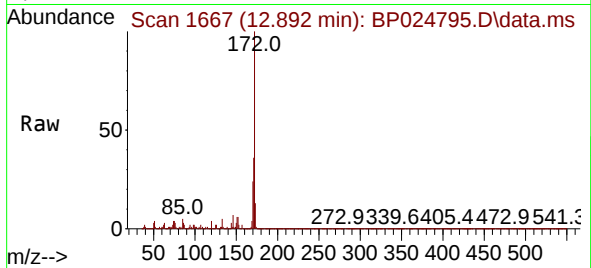
Tgt Ion:172 Resp: 756234

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.6 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.407 ng

RT: 14.392 min Scan# 1922

Delta R.T. -0.036 min

Lab File: BP024795.D

Acq: 23 May 2025 16:28

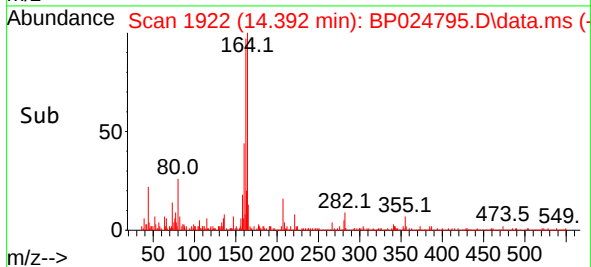
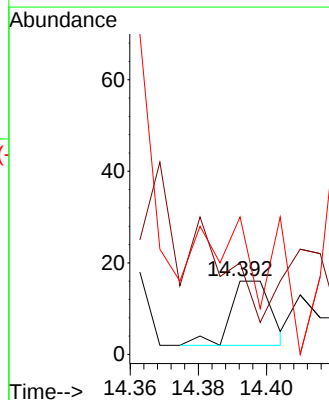
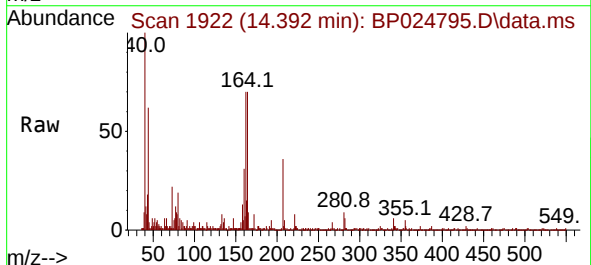
Tgt Ion:184 Resp: 12

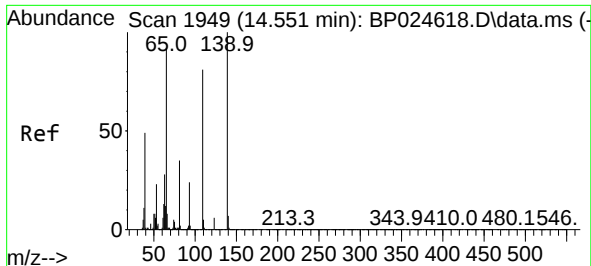
Ion Ratio Lower Upper

184 100

63 125.0 51.3 76.9#

154 187.5 53.5 80.3#

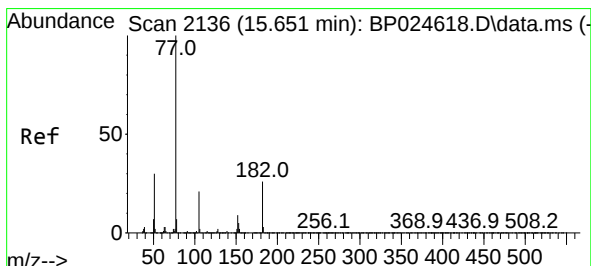
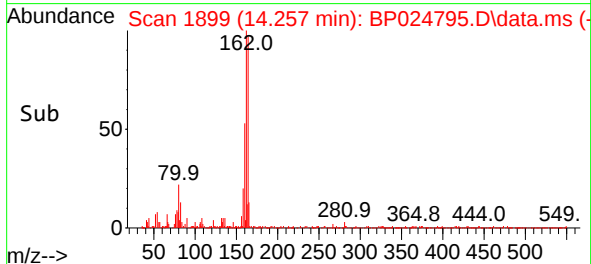
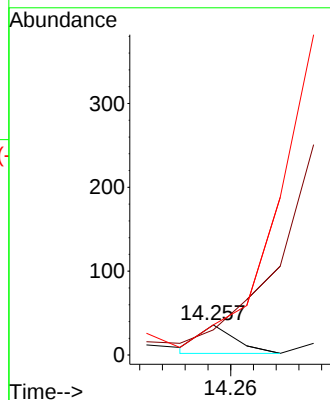
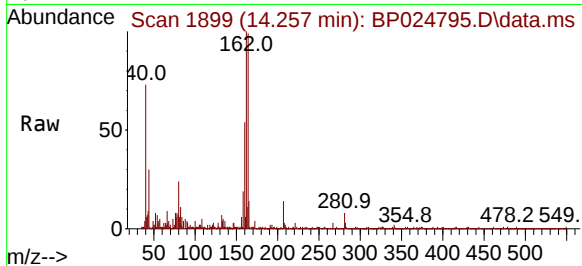




#56
4-Nitrophenol
Concen: 4.239 ng
RT: 14.257 min Scan# 11
Delta R.T. -0.294 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

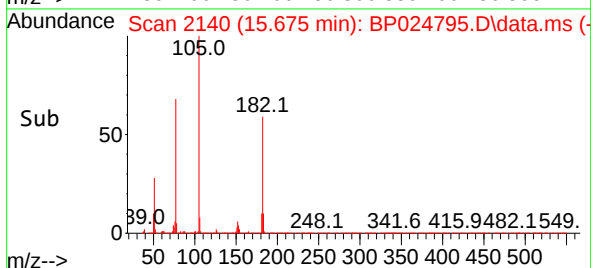
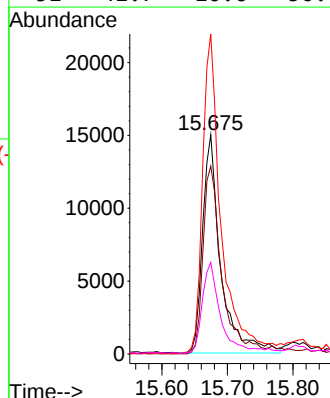
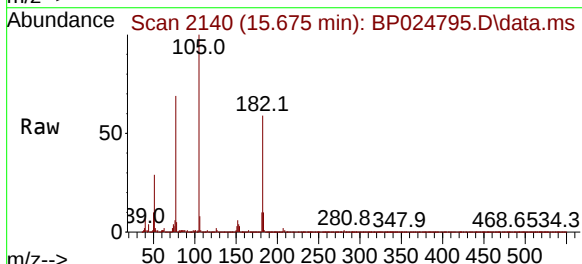
Instrument :
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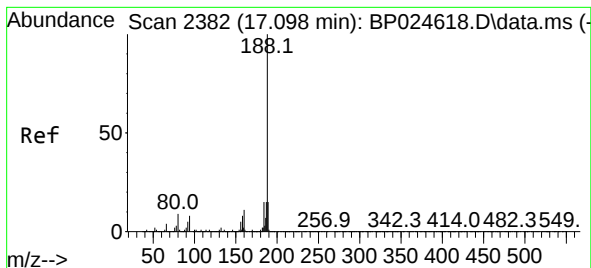
Tgt Ion:	139	Resp:	15
Ion	Ratio	Lower	Upper
139	100		
109	83.3	61.4	101.4
65	100.0	72.2	112.2



#63
Azobenzene
Concen: 2.325 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.023 min
Lab File: BP024795.D
Acq: 23 May 2025 16:28

Tgt Ion:	77	Resp:	28855
Ion	Ratio	Lower	Upper
77	100		
182	85.6	5.7	45.7#
105	146.0	1.3	41.3#
51	41.7	10.6	50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024795.D

Acq: 23 May 2025 16:28

Instrument :

BNA_P

ClientSampleId :

COMP-1

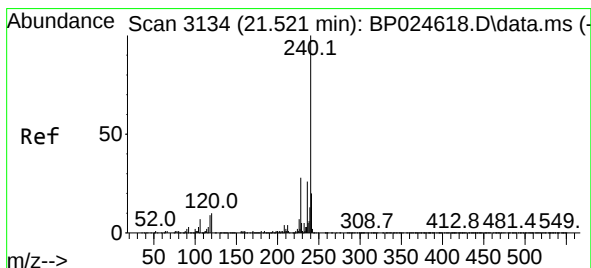
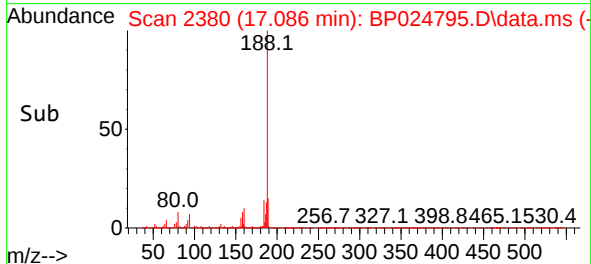
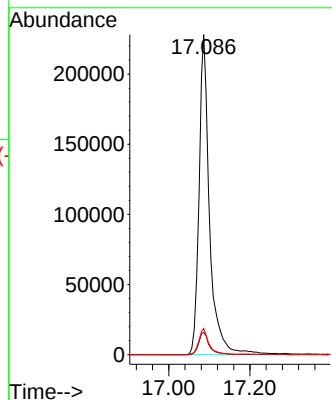
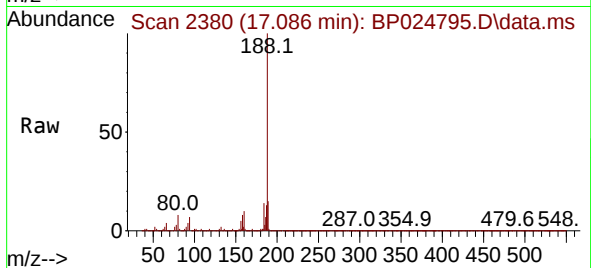
Tgt Ion:188 Resp: 412582

Ion Ratio Lower Upper

188 100

94 7.0 6.5 9.7

80 8.2 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.509 min Scan# 3132

Delta R.T. -0.012 min

Lab File: BP024795.D

Acq: 23 May 2025 16:28

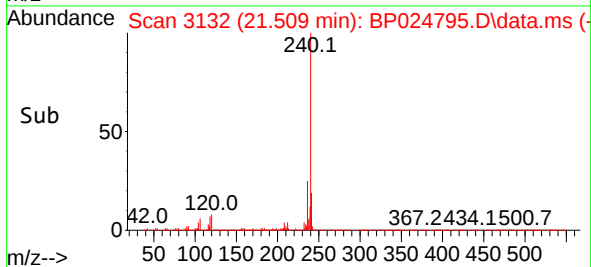
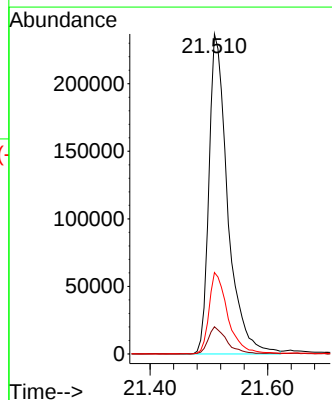
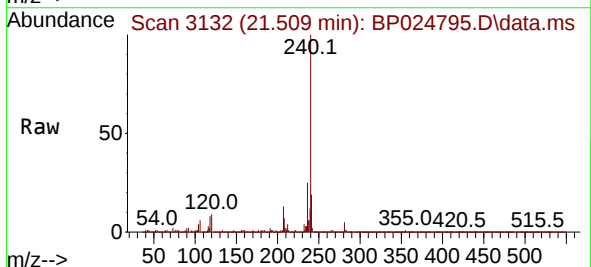
Tgt Ion:240 Resp: 524064

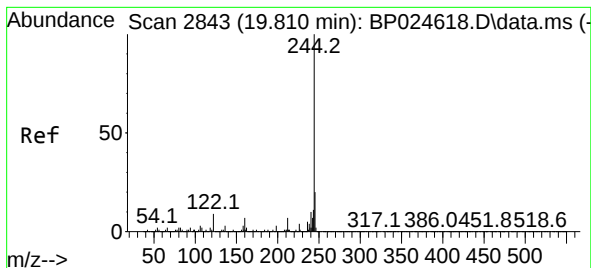
Ion Ratio Lower Upper

240 100

120 8.5 7.8 11.6

236 25.4 20.6 31.0





#79

Terphenyl-d14

Concen: 52.195 ng

RT: 19.804 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024795.D

Acq: 23 May 2025 16:28

Instrument :

BNA_P

ClientSampleId :

COMP-1

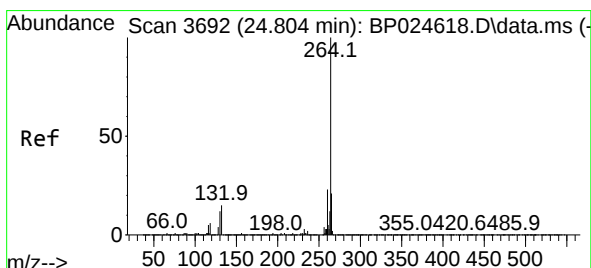
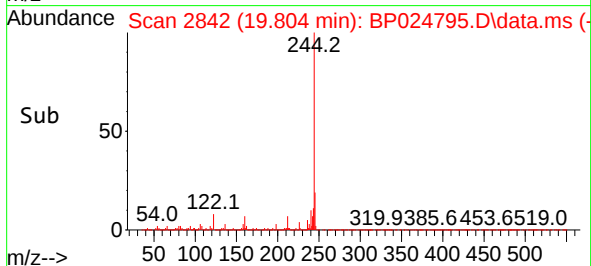
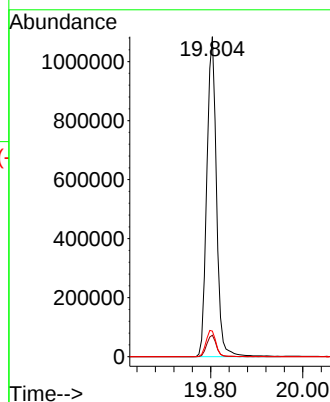
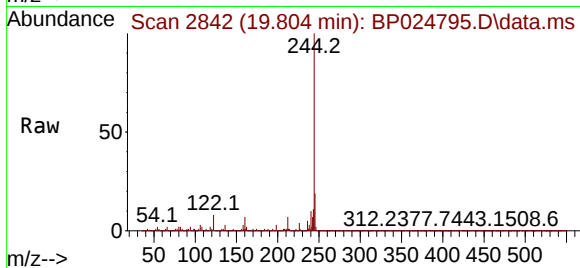
Tgt Ion:244 Resp: 1595242

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 8.0 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 3691

Delta R.T. -0.006 min

Lab File: BP024795.D

Acq: 23 May 2025 16:28

Tgt Ion:264 Resp: 667601

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.0 17.0 25.6

