

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
 Data File : BP024798.D
 Acq On : 23 May 2025 18:30
 Operator : RC/JU
 Sample : Q2094-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-4

Quant Time: May 24 00:03:24 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)

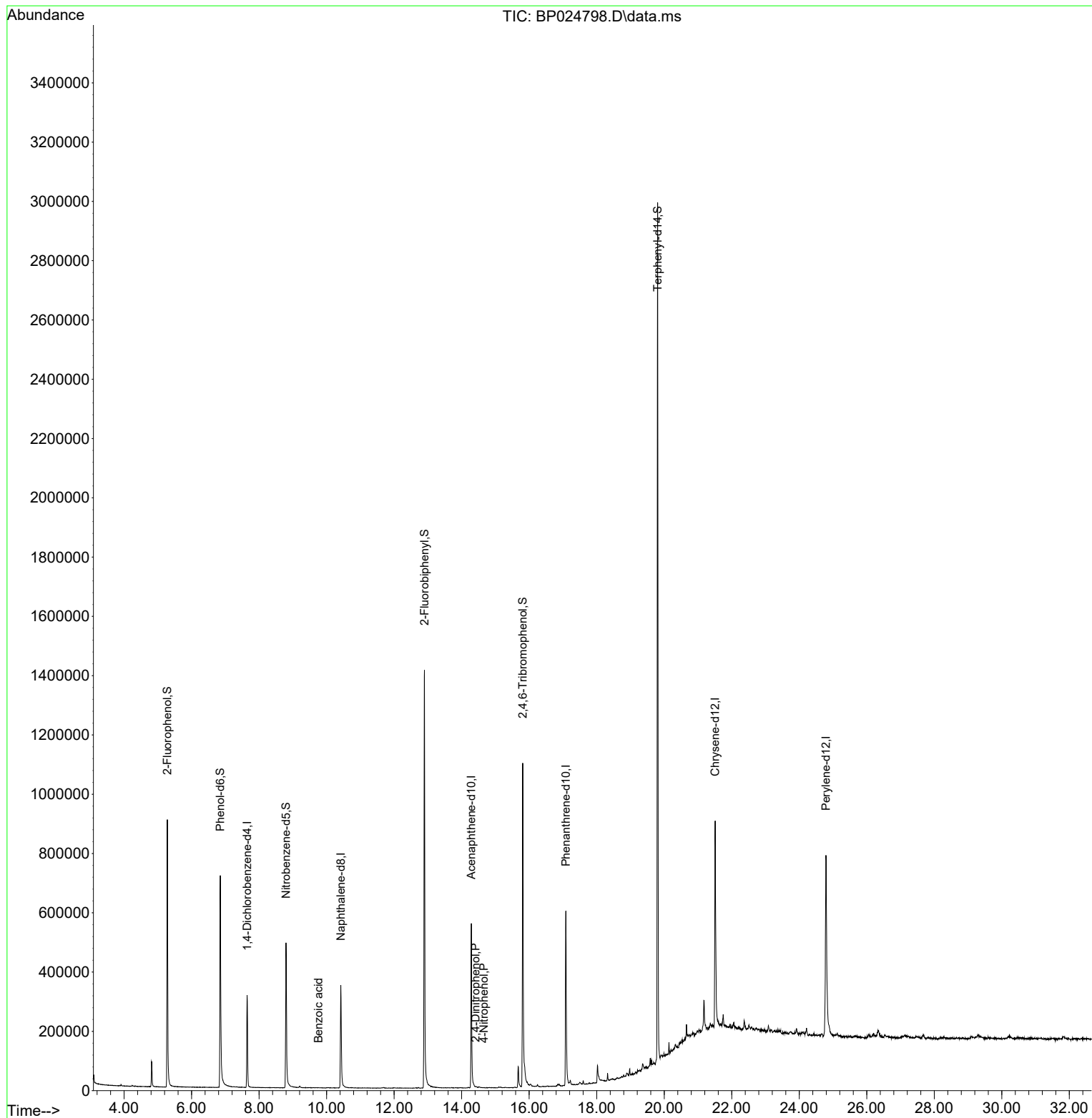
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	90782	20.000	ng	-0.02
21) Naphthalene-d8	10.422	136	346881	20.000	ng	-0.01
39) Acenaphthene-d10	14.287	164	214820	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	428825	20.000	ng	-0.01
76) Chrysene-d12	21.510	240	548639	20.000	ng	-0.01
86) Perylene-d12	24.792	264	706143	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	425628	80.190	ng	0.00
7) Phenol-d6	6.852	99	511296	75.478	ng	0.00
23) Nitrobenzene-d5	8.799	82	318366	46.373	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	315028	86.503	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	817320	49.846	ng	0.00
79) Terphenyl-d14	19.804	244	1637224	51.169	ng	0.00
Target Compounds						
32) Benzoic acid	9.757	122	15	7.472	ng	# 1
54) 2,4-Dinitrophenol	14.416	184	18	6.409	ng	# 1
56) 4-Nitrophenol	14.663	139	28	4.243	ng	90

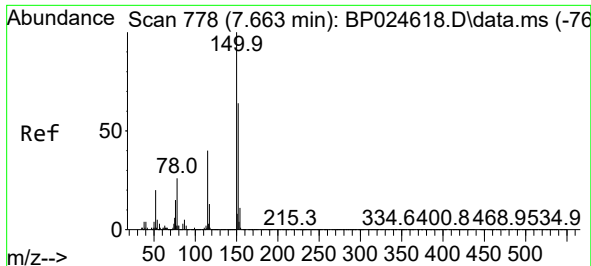
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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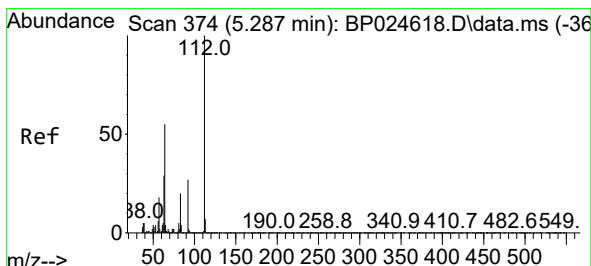
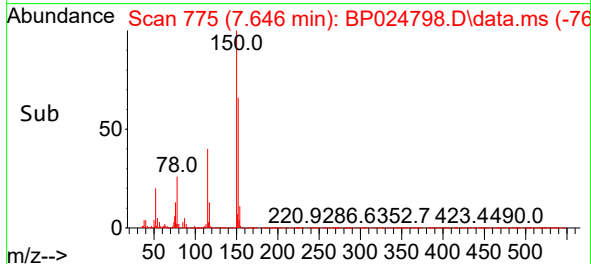
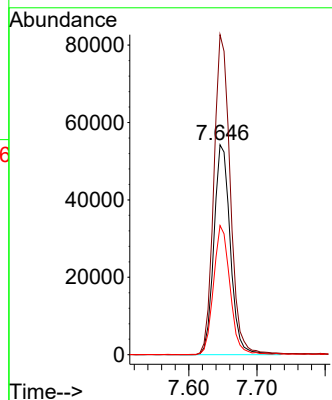
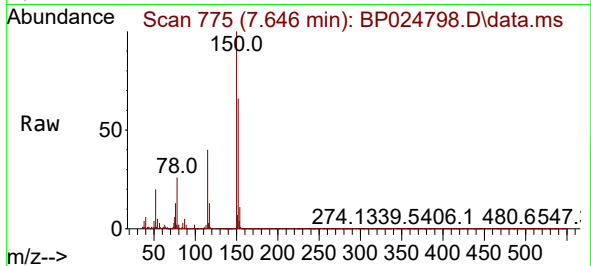




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.646 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

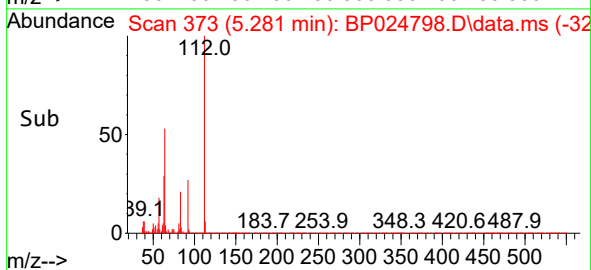
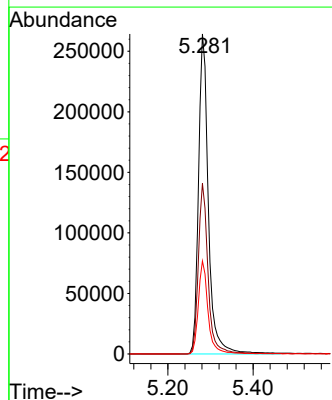
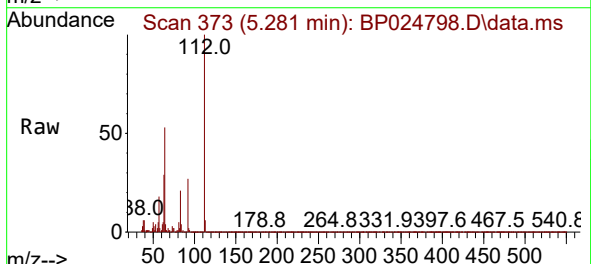
Instrument :
BNA_P
ClientSampleId :
COMP-4

Tgt Ion:152 Resp: 90782
Ion Ratio Lower Upper
152 100
150 152.5 125.9 188.9
115 61.5 50.1 75.1



#5
2-Fluorophenol
Concen: 80.190 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

Tgt Ion:112 Resp: 425628
Ion Ratio Lower Upper
112 100
64 53.3 44.1 66.1
63 29.0 23.5 35.3

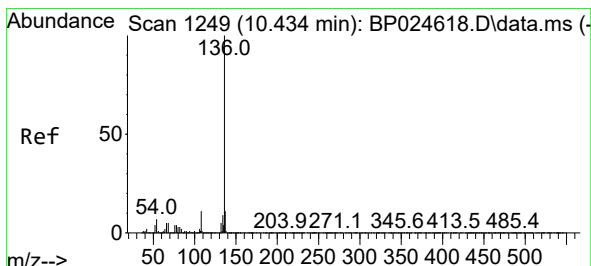
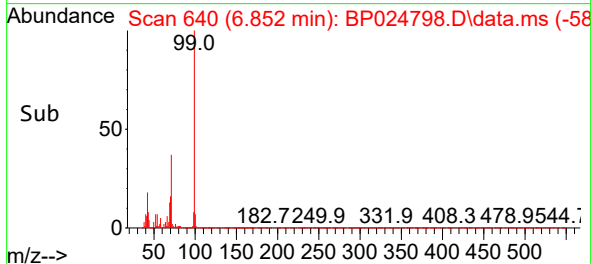
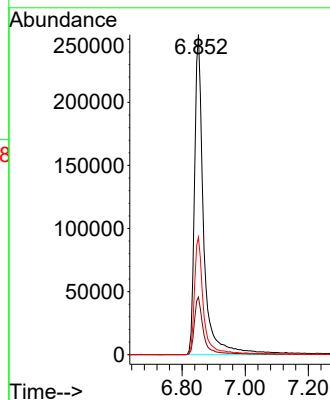
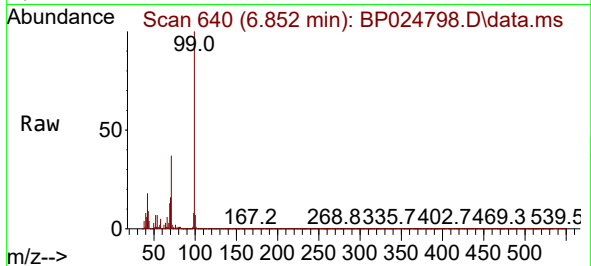




#7
Phenol-d6
Concen: 75.478 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

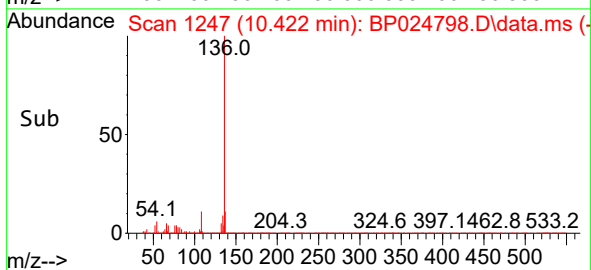
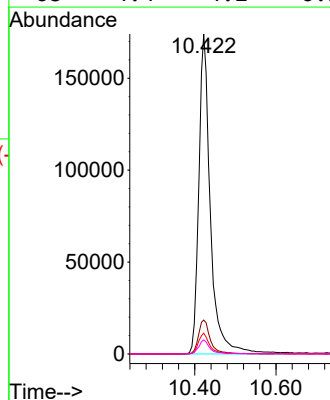
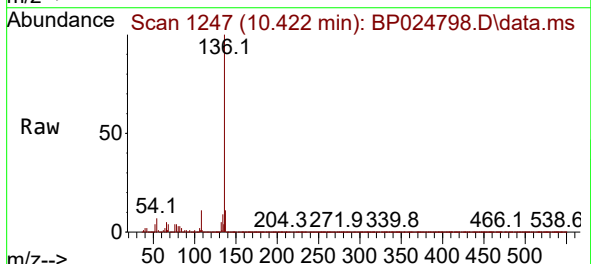
Instrument :
BNA_P
ClientSampleId :
COMP-4

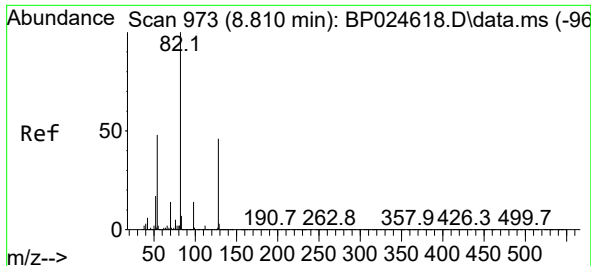
Tgt Ion: 99 Resp: 511296
Ion Ratio Lower Upper
99 100
42 18.0 14.4 21.6
71 36.7 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

Tgt Ion: 136 Resp: 346881
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.5 5.5 8.3
68 4.4 4.2 6.2

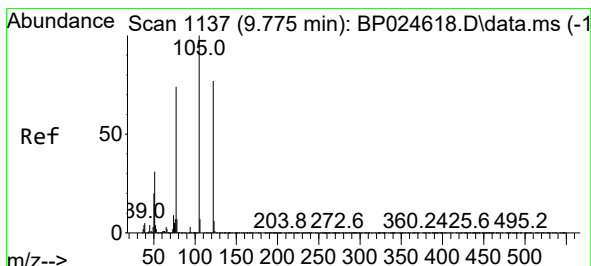
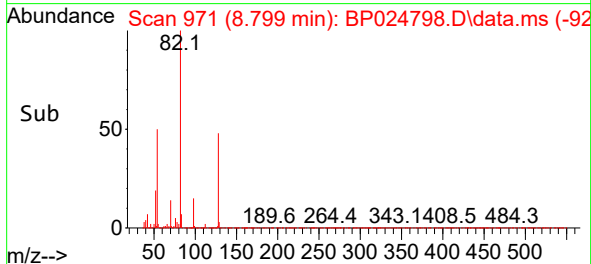
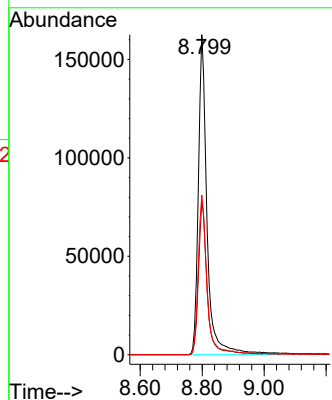
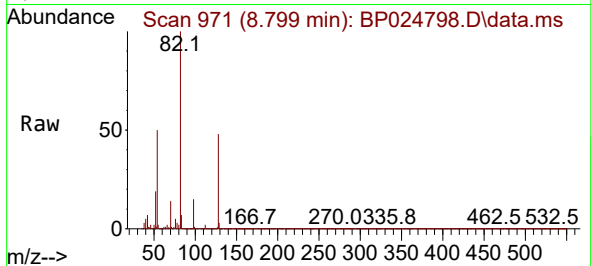




#23
Nitrobenzene-d5
Concen: 46.373 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

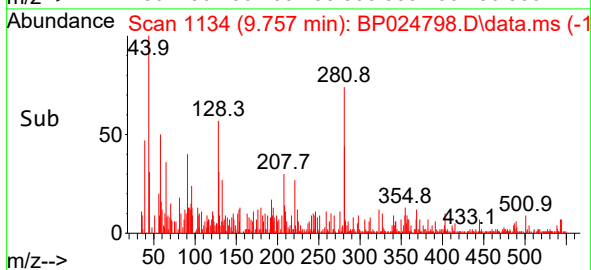
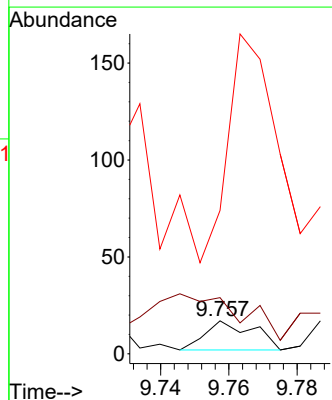
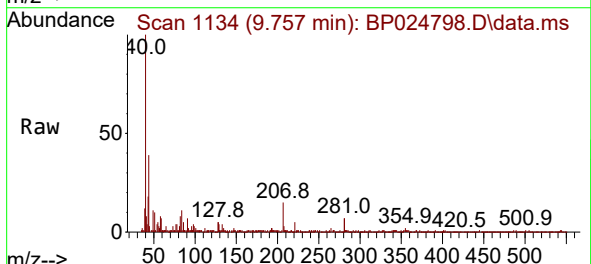
Instrument :
BNA_P
ClientSampleId :
COMP-4

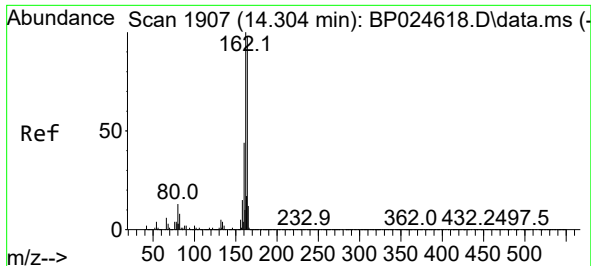
Tgt Ion: 82 Resp: 318366
Ion Ratio Lower Upper
82 100
128 48.1 37.0 55.4
54 49.8 38.7 58.1



#32
Benzoic acid
Concen: 7.472 ng
RT: 9.757 min Scan# 1134
Delta R.T. -0.018 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

Tgt Ion: 122 Resp: 15
Ion Ratio Lower Upper
122 100
105 170.6 106.9 146.9#
77 435.3 75.1 115.1#

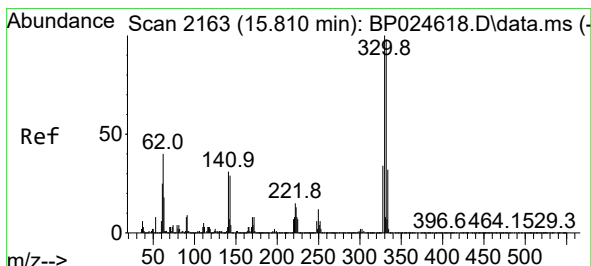
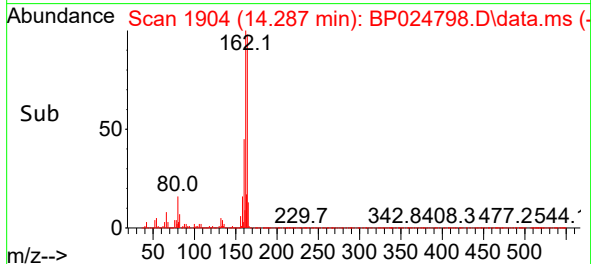
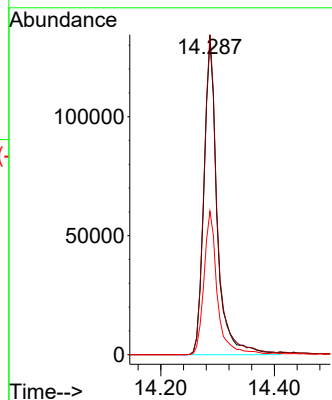
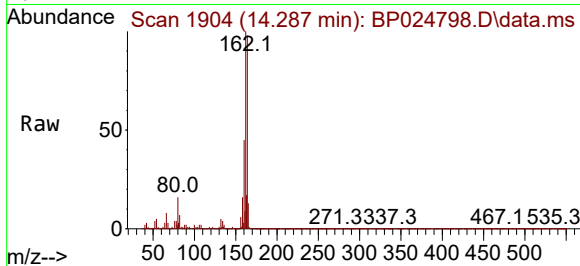




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

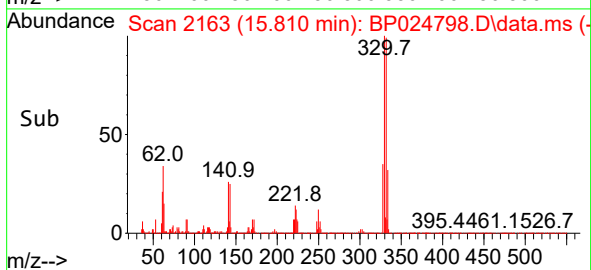
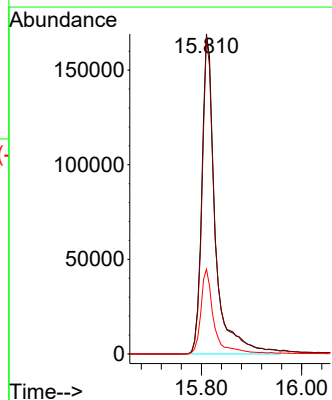
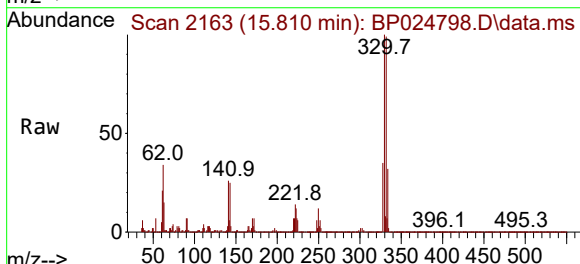
Instrument :
BNA_P
ClientSampleId :
COMP-4

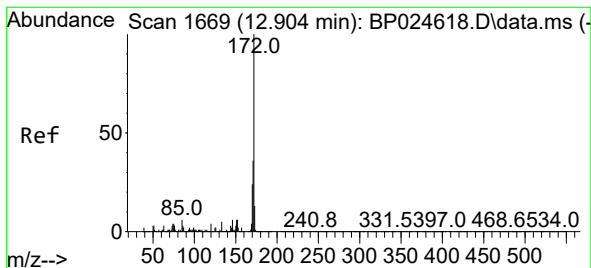
Tgt Ion:164 Resp: 214820
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.6
160 45.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 86.503 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

Tgt Ion:330 Resp: 315028
Ion Ratio Lower Upper
330 100
332 98.2 78.2 117.4
141 25.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 49.846 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024798.D

Acq: 23 May 2025 18:30

Instrument :

BNA_P

ClientSampleId :

COMP-4

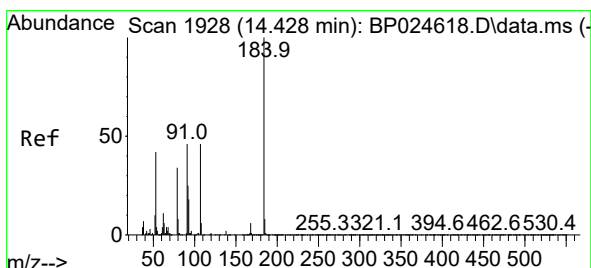
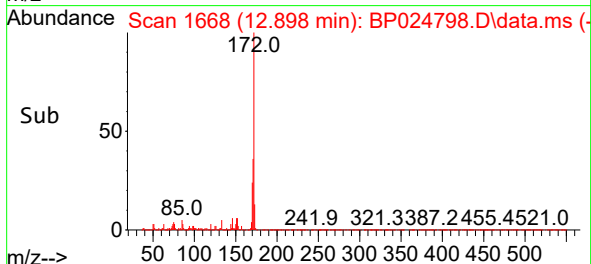
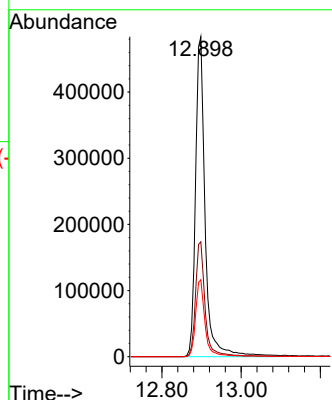
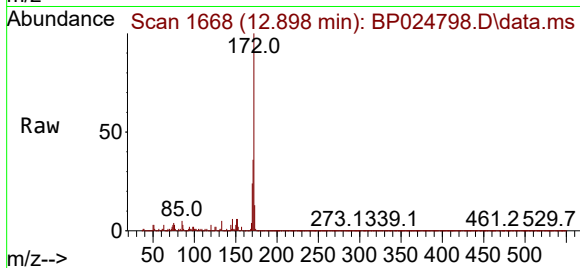
Tgt Ion:172 Resp: 817320

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 24.0 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.409 ng

RT: 14.416 min Scan# 1926

Delta R.T. -0.012 min

Lab File: BP024798.D

Acq: 23 May 2025 18:30

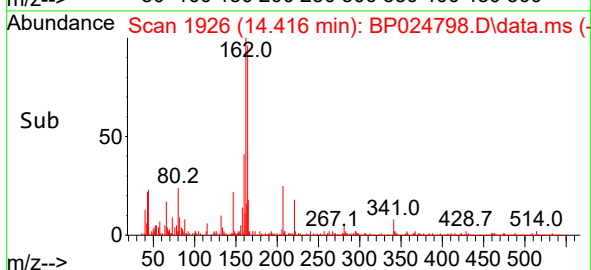
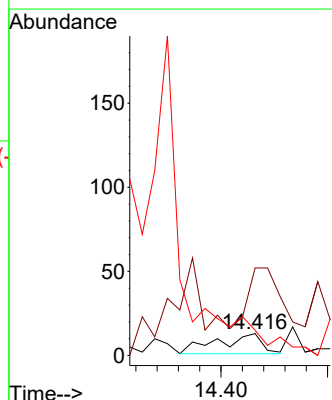
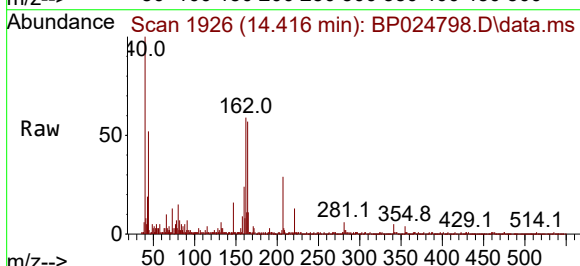
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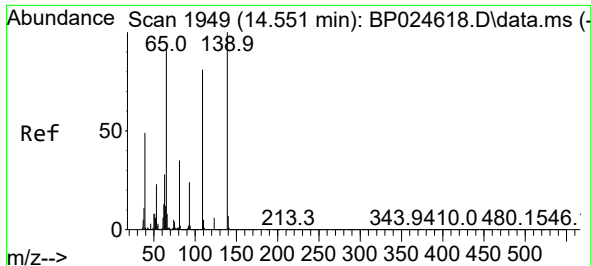
Ion Ratio Lower Upper

184 100

63 400.0 51.3 76.9#

154 238.5 53.5 80.3#

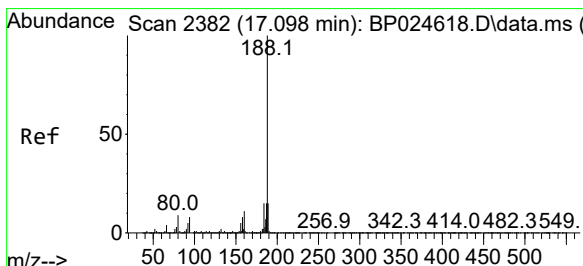
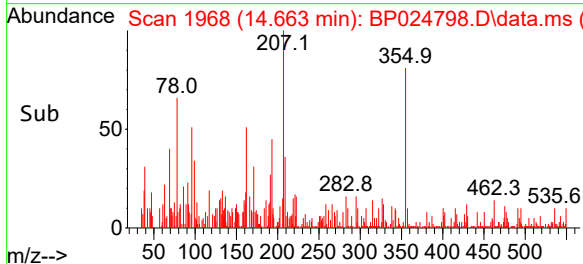
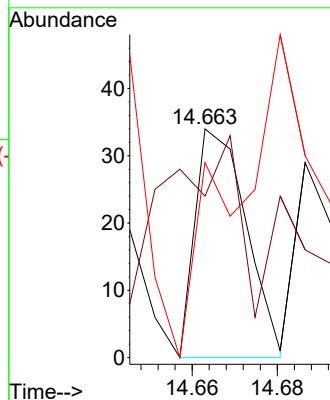
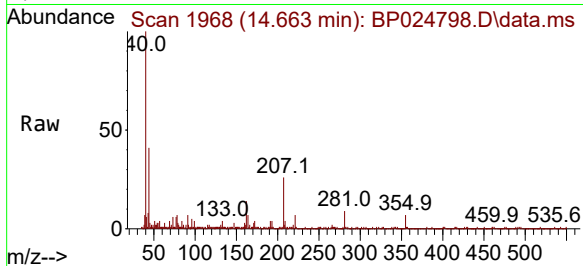




#56
4-Nitrophenol
Concen: 4.243 ng
RT: 14.663 min Scan# 1949
Delta R.T. 0.112 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

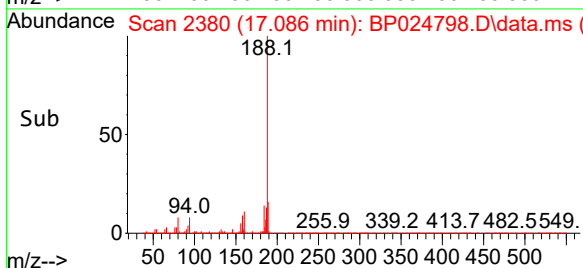
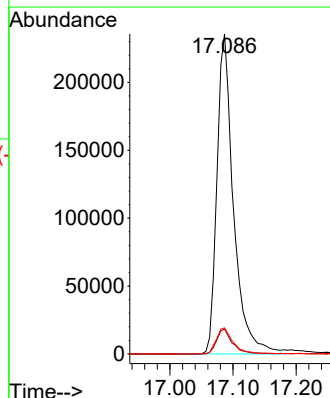
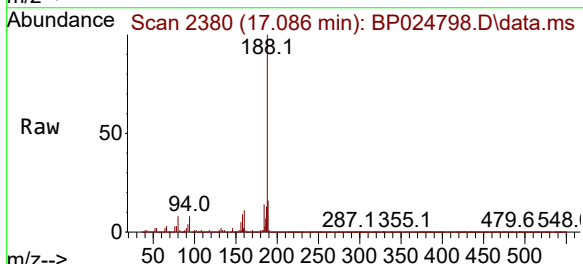
Instrument :
BNA_P
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COMP-4

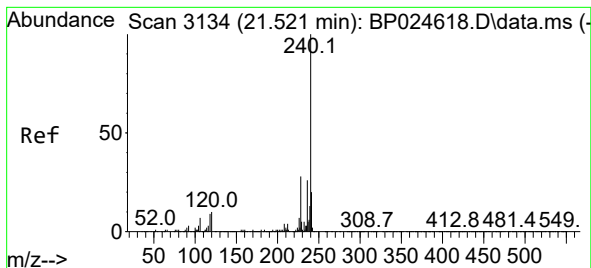
Tgt Ion:139 Resp: 28
Ion Ratio Lower Upper
139 100
109 70.6 61.4 101.4
65 85.3 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024798.D
Acq: 23 May 2025 18:30

Tgt Ion:188 Resp: 428825
Ion Ratio Lower Upper
188 100
94 7.8 6.5 9.7
80 8.1 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: BP024798.D

Acq: 23 May 2025 18:30

Instrument :

BNA_P

ClientSampleId :

COMP-4

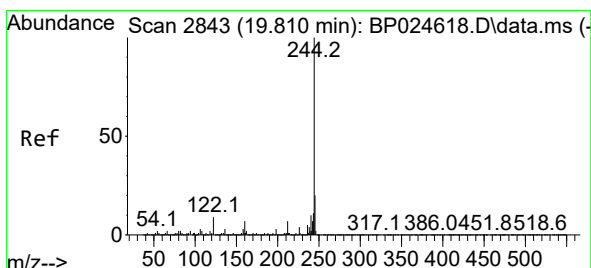
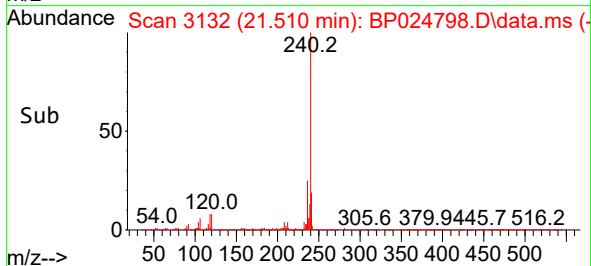
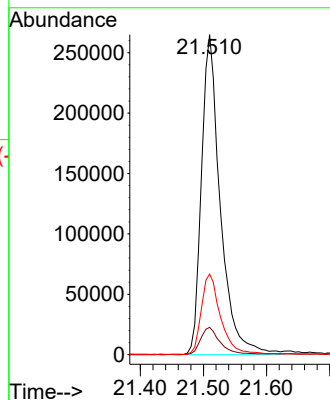
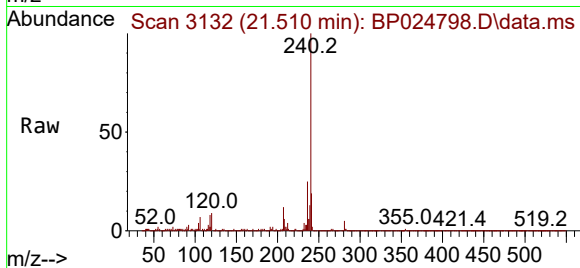
Tgt Ion:240 Resp: 548639

Ion Ratio Lower Upper

240 100

120 8.5 7.8 11.6

236 25.2 20.6 31.0



#79

Terphenyl-d14

Concen: 51.169 ng

RT: 19.804 min Scan# 2842

Delta R.T. -0.006 min

Lab File: BP024798.D

Acq: 23 May 2025 18:30

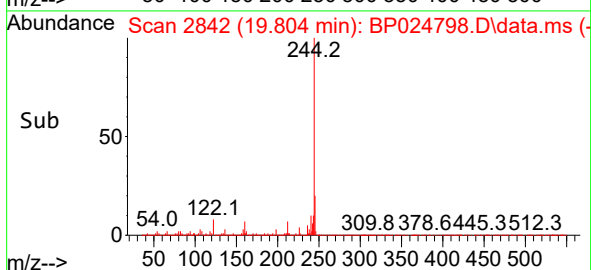
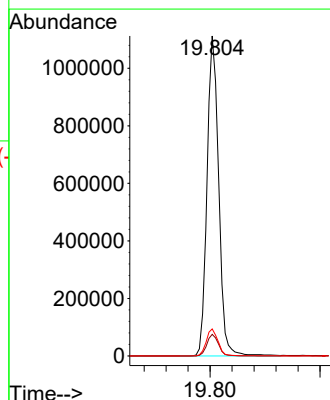
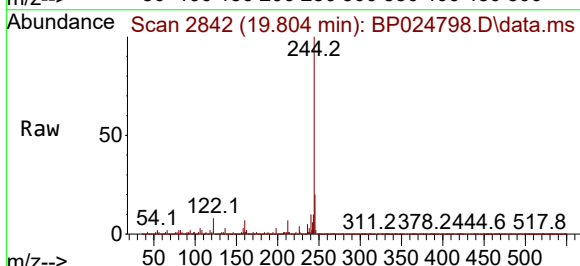
Tgt Ion:244 Resp: 1637224

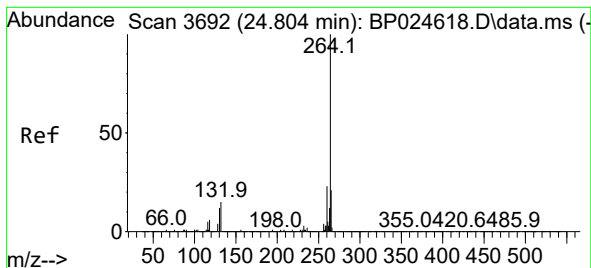
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 8.4 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.792 min Scan# 30

Delta R.T. -0.012 min

Lab File: BP024798.D

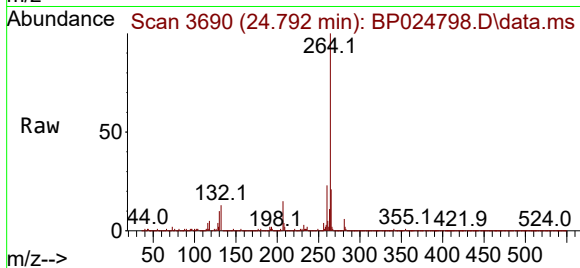
Acq: 23 May 2025 18:30

Instrument :

BNA_P

ClientSampleId :

COMP-4



Tgt Ion:264 Resp: 706143

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.2 17.0 25.6

