

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
 Data File : BP024679.D
 Acq On : 17 May 2025 06:39
 Operator : RC/JU
 Sample : Q2048-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 L2-WC-3

Quant Time: May 19 01:07:44 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)

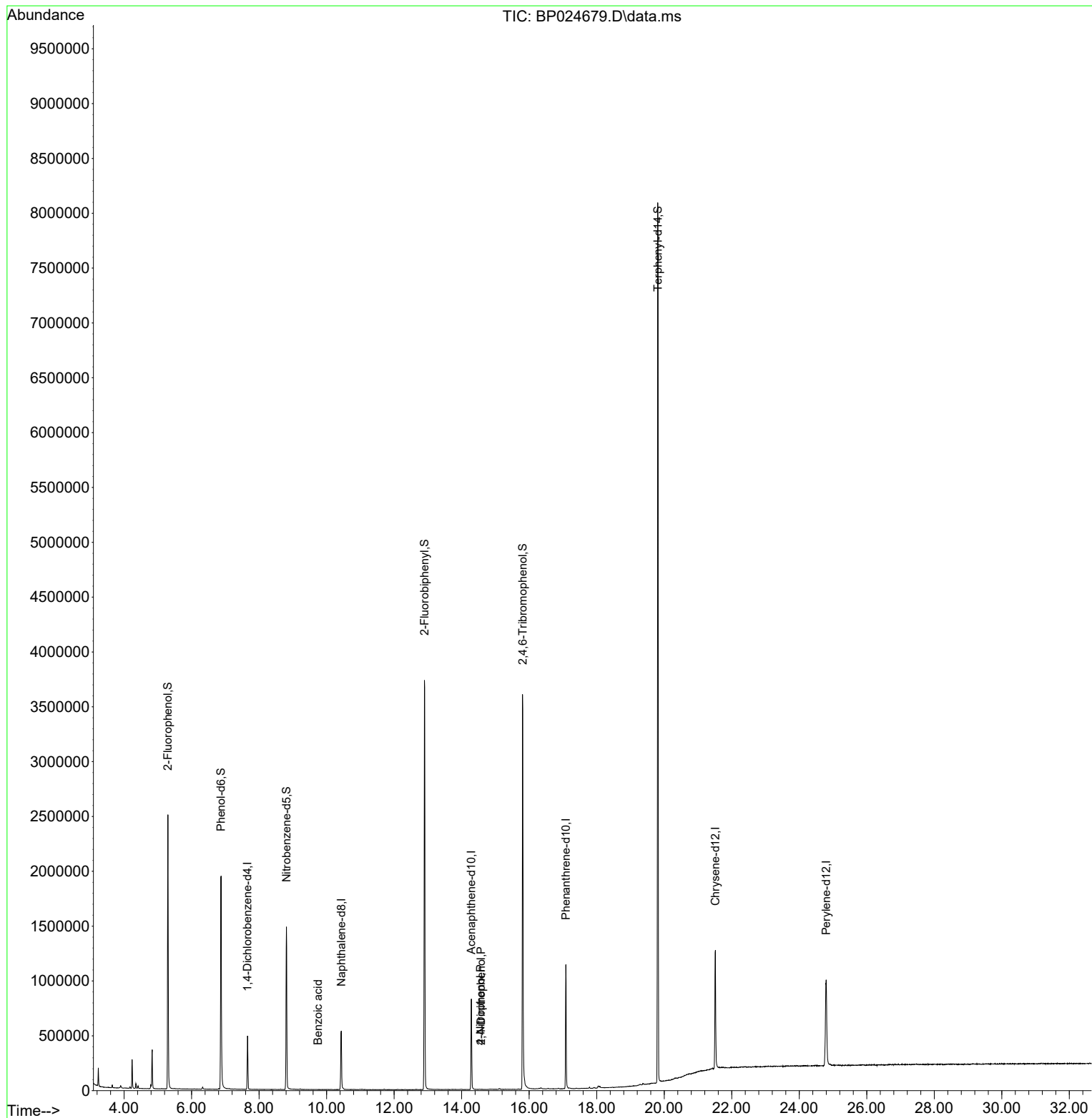
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	127978	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	489158	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	307810	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	640655	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	745318	20.000	ng	0.00
86) Perylene-d12	24.798	264	870935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	1102367	147.326	ng	0.01
7) Phenol-d6	6.875	99	1267686	132.746	ng	0.02
23) Nitrobenzene-d5	8.810	82	808097	83.471	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	875927	167.858	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	2096770	89.244	ng	0.00
79) Terphenyl-d14	19.810	244	4122331	94.839	ng	0.00
Target Compounds						
32) Benzoic acid	9.746	122	23	7.472	ng	Qvalue # 1
54) 2,4-Dinitrophenol	14.575	184	31	6.410	ng	94
56) 4-Nitrophenol	14.557	139	30	4.241	ng	88

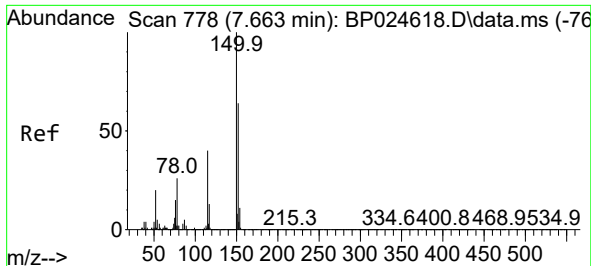
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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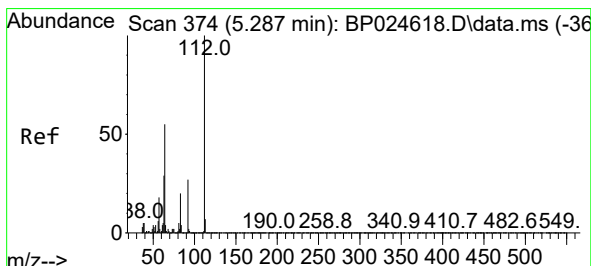
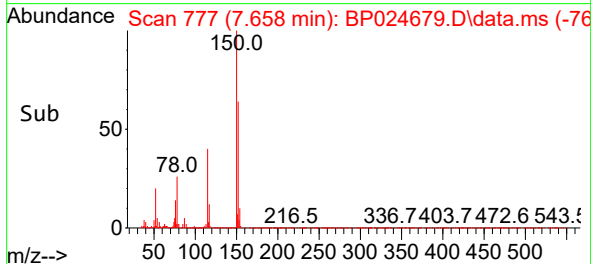
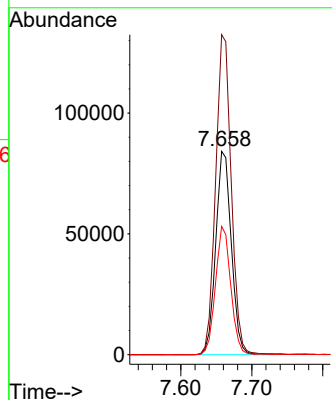
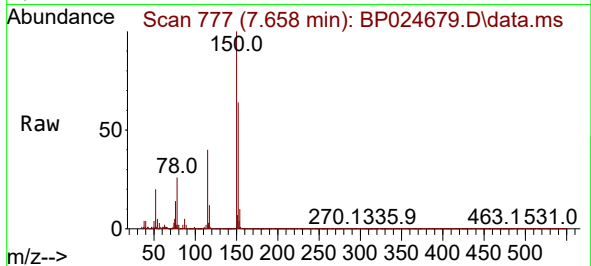




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

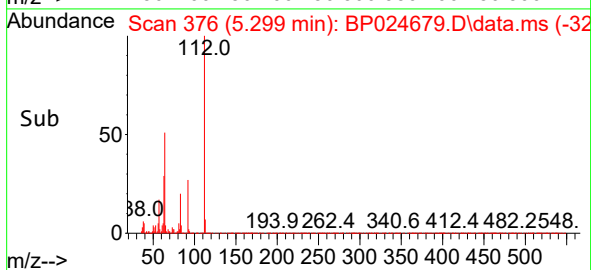
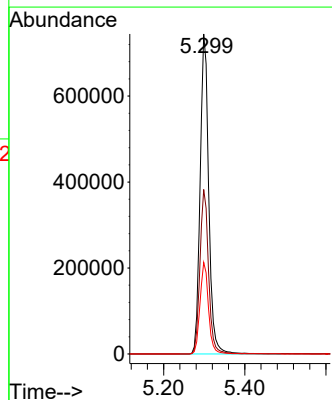
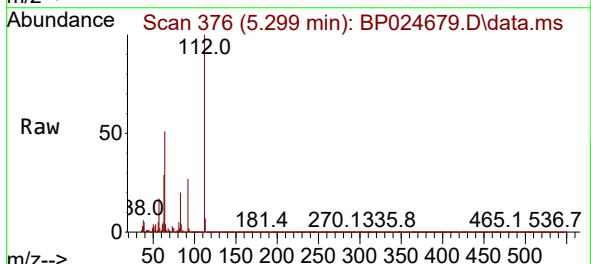
Instrument :
BNA_P
ClientSampleId :
L2-WC-3

Tgt Ion:152 Resp: 127978
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 63.1 50.1 75.1



#5
2-Fluorophenol
Concen: 147.326 ng
RT: 5.299 min Scan# 376
Delta R.T. 0.012 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

Tgt Ion:112 Resp: 1102367
Ion Ratio Lower Upper
112 100
64 51.4 44.1 66.1
63 28.6 23.5 35.3

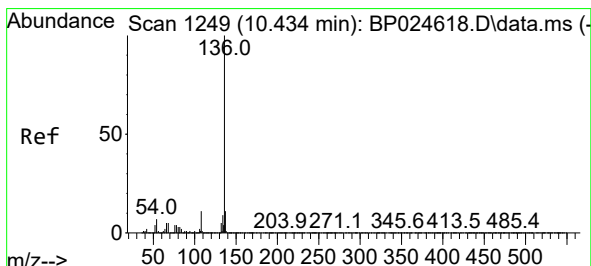
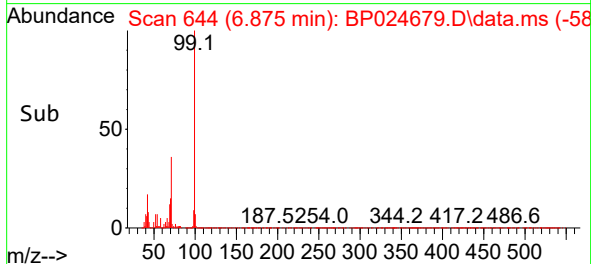
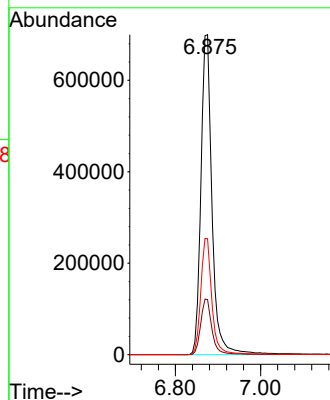
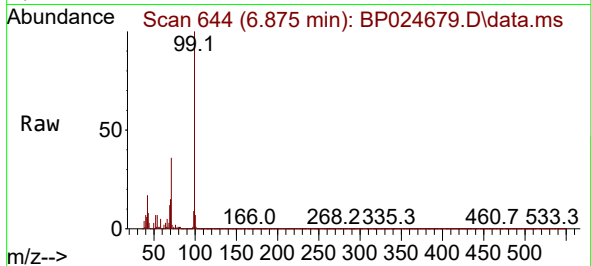




#7
Phenol-d6
Concen: 132.746 ng
RT: 6.875 min Scan# 64
Delta R.T. 0.024 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

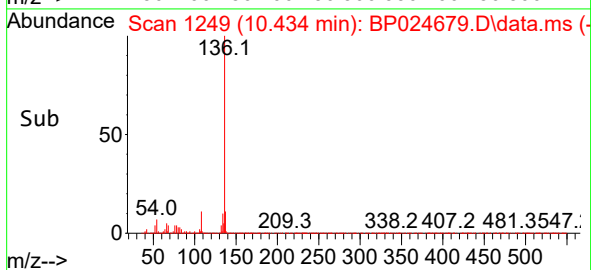
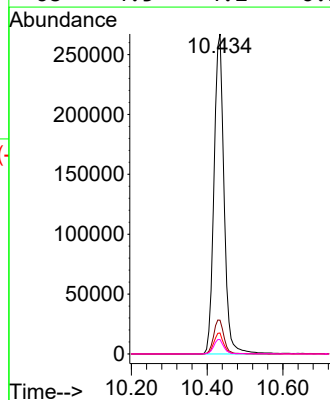
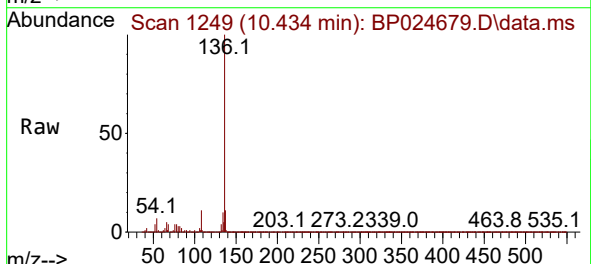
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BNA_P
ClientSampleId :
L2-WC-3

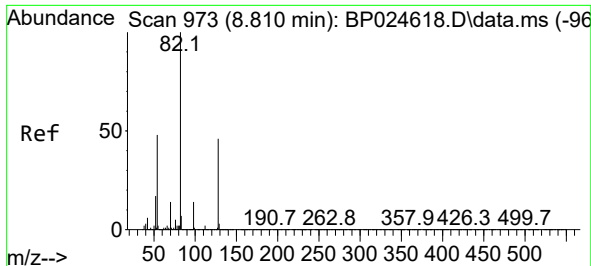
Tgt Ion: 99 Resp: 1267686
Ion Ratio Lower Upper
99 100
42 17.2 14.4 21.6
71 36.3 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

Tgt Ion:136 Resp: 489158
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.6 5.5 8.3
68 4.5 4.2 6.2

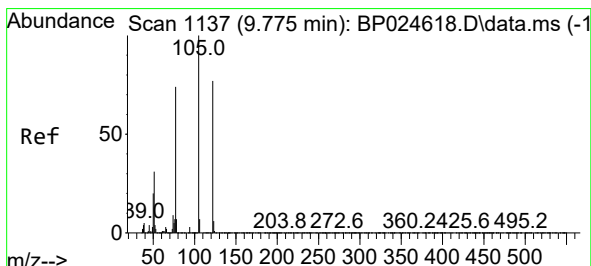
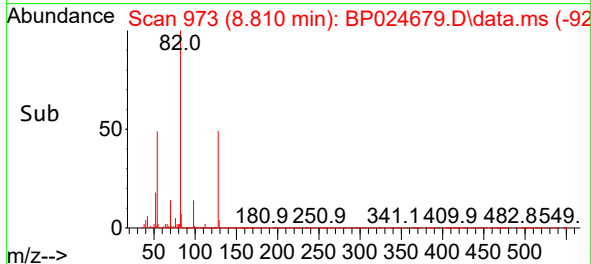
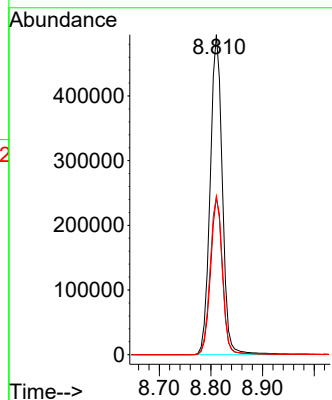
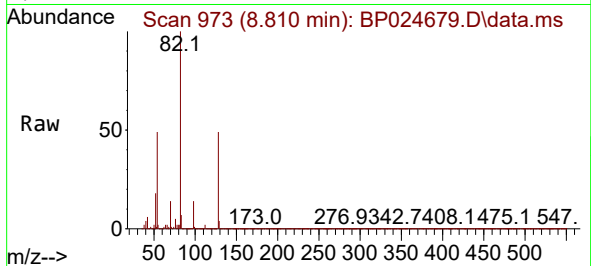




#23
Nitrobenzene-d5
Concen: 83.471 ng
RT: 8.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

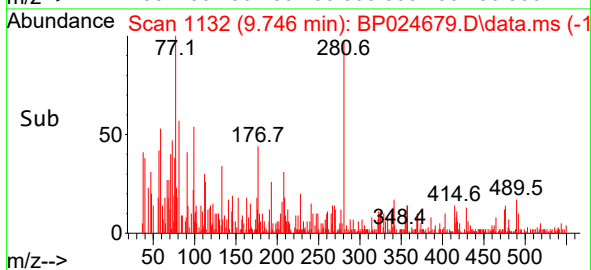
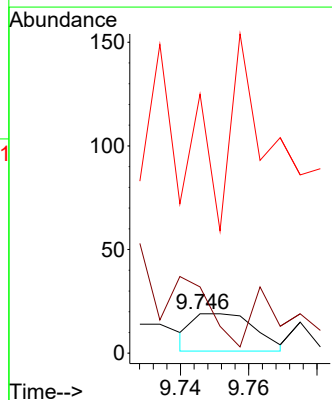
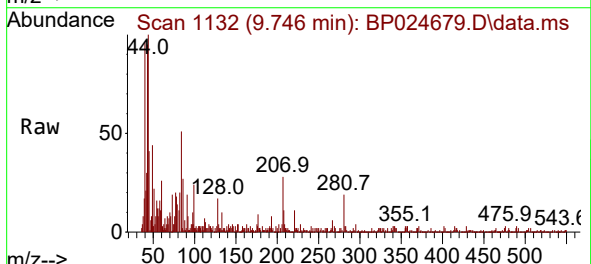
Instrument :
BNA_P
ClientSampleId :
L2-WC-3

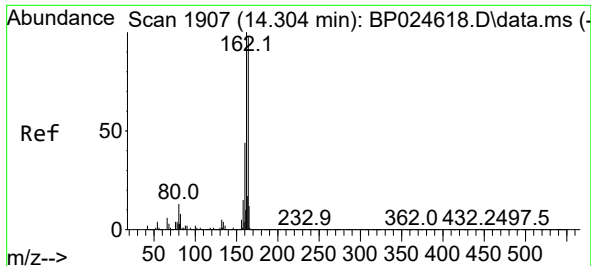
Tgt Ion: 82 Resp: 808097
Ion Ratio Lower Upper
82 100
128 49.1 37.0 55.4
54 49.5 38.7 58.1



#32
Benzoic acid
Concen: 7.472 ng
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

Tgt Ion: 122 Resp: 23
Ion Ratio Lower Upper
122 100
105 168.4 106.9 146.9#
77 657.9 75.1 115.1#

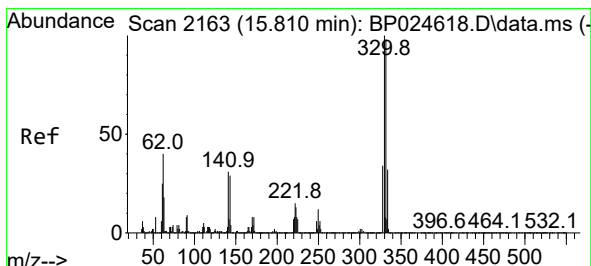
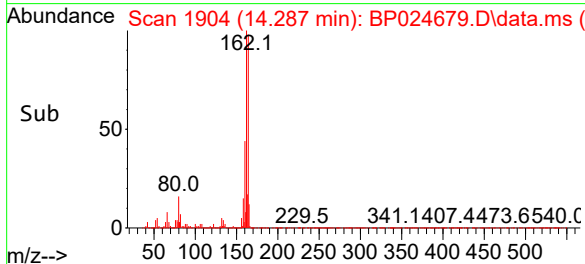
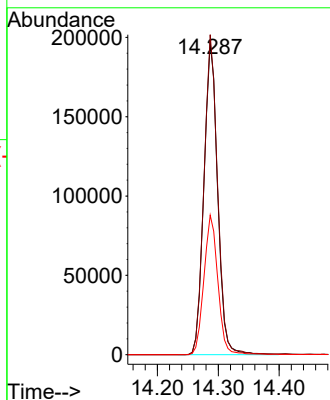
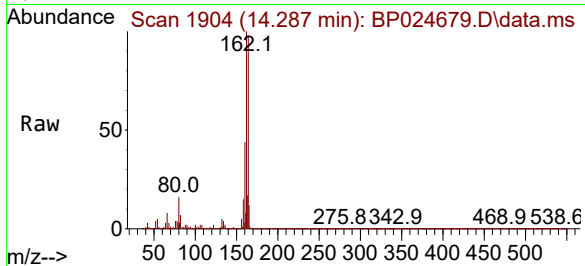




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

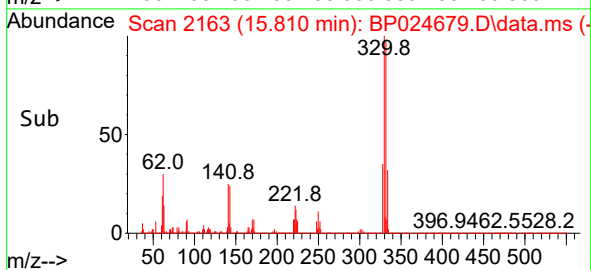
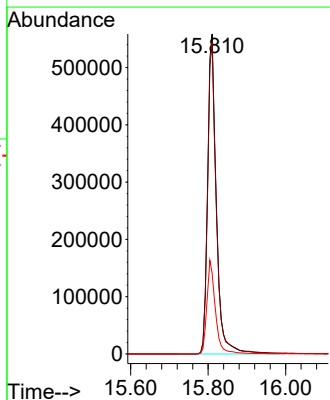
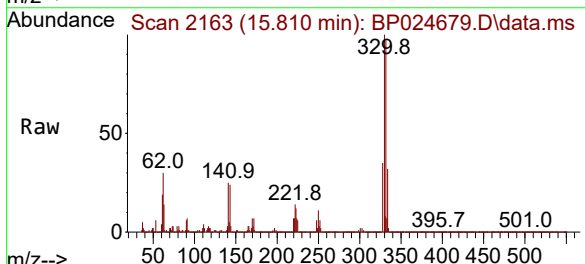
Instrument :
BNA_P
ClientSampleId :
L2-WC-3

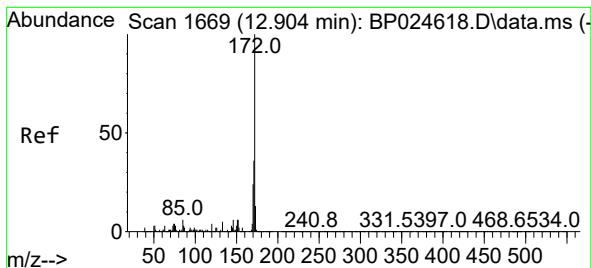
Tgt Ion:164 Resp: 307810
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 44.7 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 167.858 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

Tgt Ion:330 Resp: 875927
Ion Ratio Lower Upper
330 100
332 97.4 78.2 117.4
141 28.5 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 89.244 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024679.D

Acq: 17 May 2025 06:39

Instrument :

BNA_P

ClientSampleId :

L2-WC-3

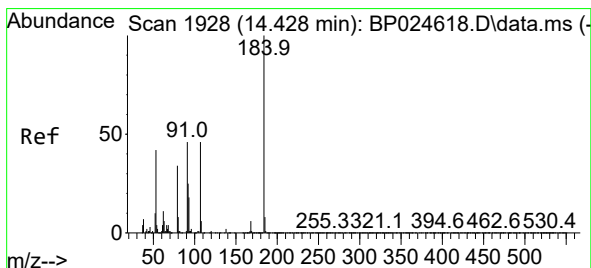
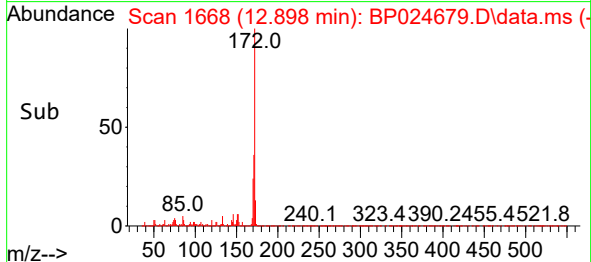
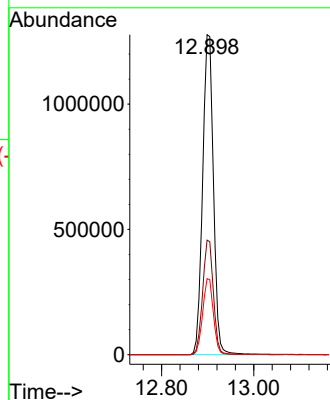
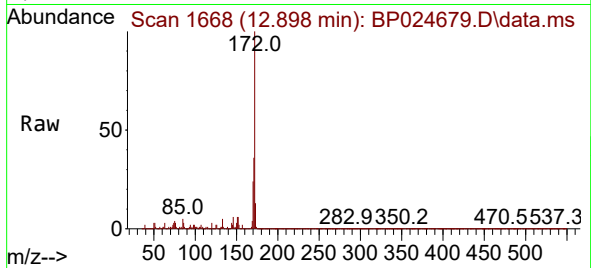
Tgt Ion:172 Resp: 2096770

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.7 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.410 ng

RT: 14.575 min Scan# 1953

Delta R.T. 0.147 min

Lab File: BP024679.D

Acq: 17 May 2025 06:39

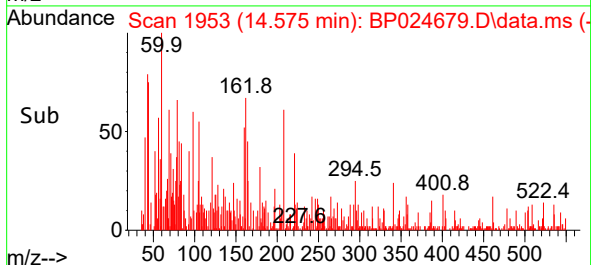
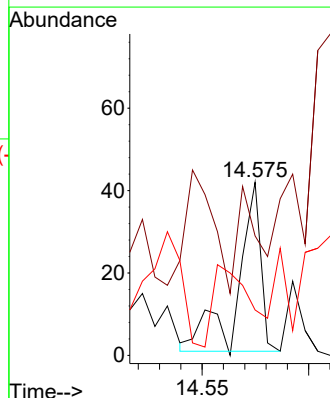
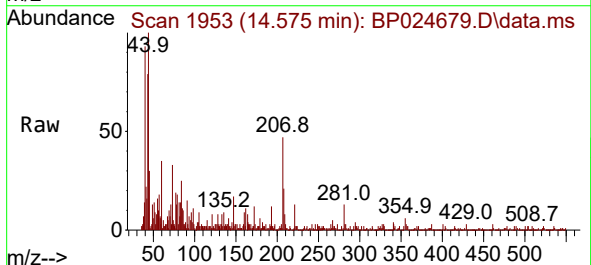
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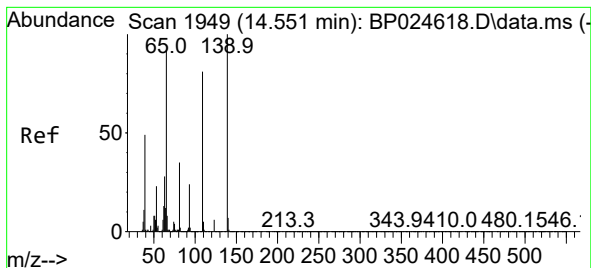
Ion Ratio Lower Upper

184 100

63 69.0 51.3 76.9

154 71.4 53.5 80.3

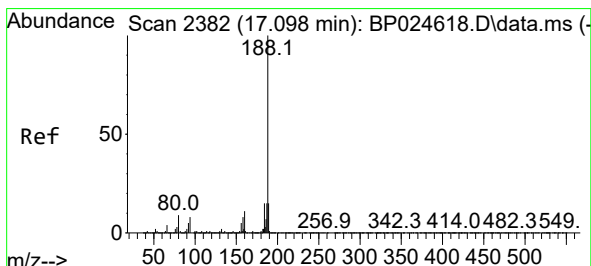
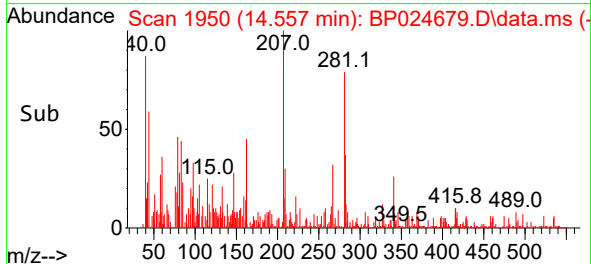
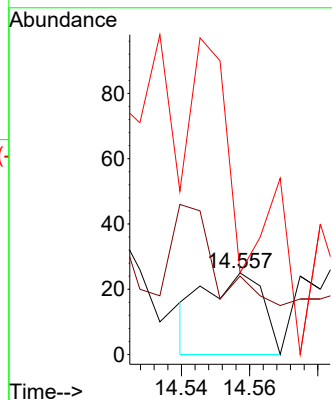
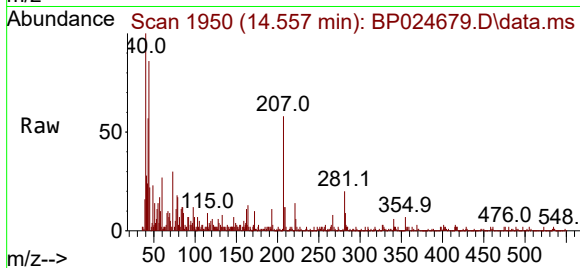




#56
4-Nitrophenol
Concen: 4.241 ng
RT: 14.557 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

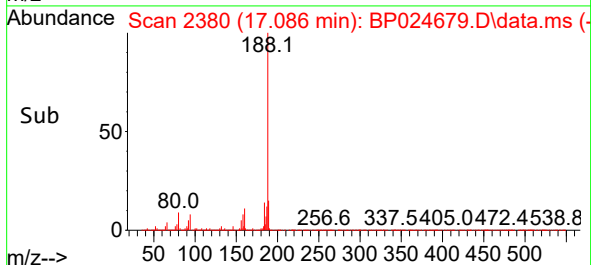
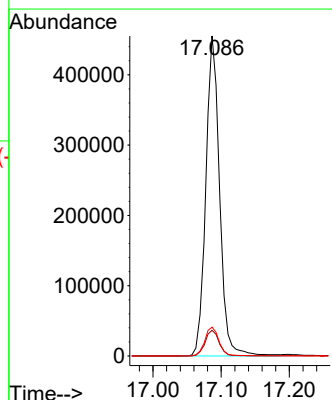
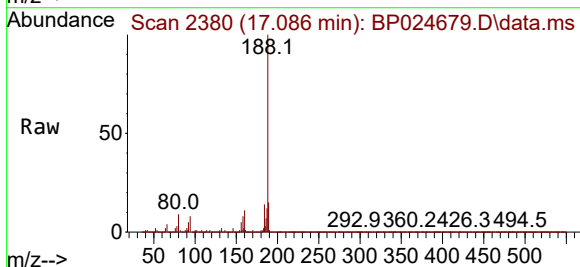
Instrument :
BNA_P
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L2-WC-3

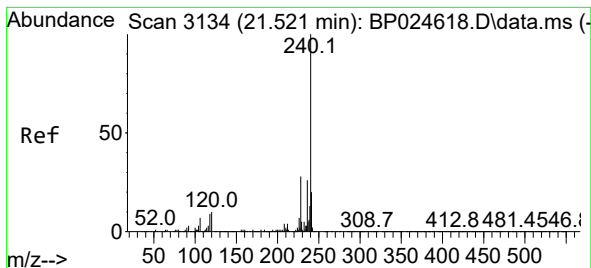
Tgt Ion:139 Resp: 30
Ion Ratio Lower Upper
139 100
109 96.0 61.4 101.4
65 100.0 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024679.D
Acq: 17 May 2025 06:39

Tgt Ion:188 Resp: 640655
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 9.0 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: BP024679.D

Acq: 17 May 2025 06:39

Instrument :

BNA_P

ClientSampleId :

L2-WC-3

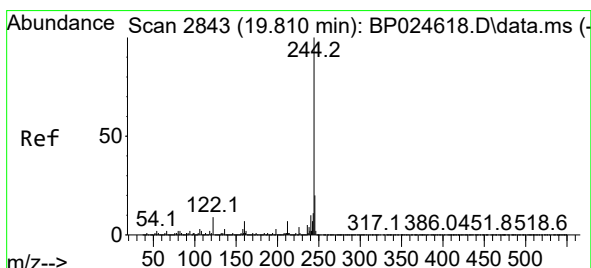
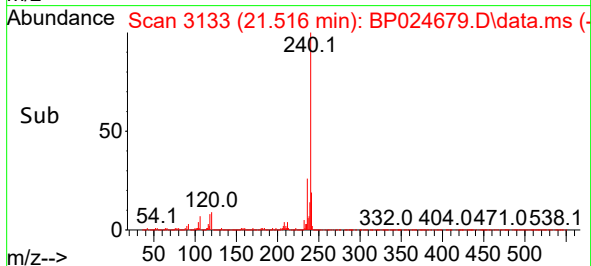
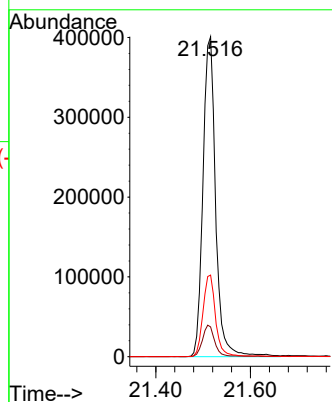
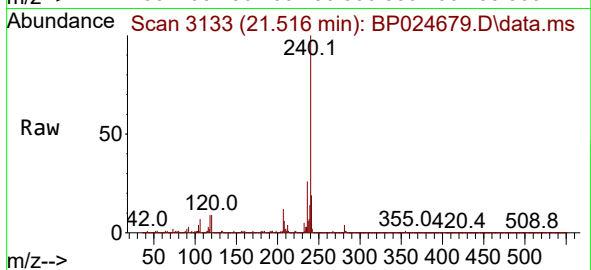
Tgt Ion:240 Resp: 745318

Ion Ratio Lower Upper

240 100

120 9.3 7.8 11.6

236 25.5 20.6 31.0



#79

Terphenyl-d14

Concen: 94.839 ng

RT: 19.810 min Scan# 2843

Delta R.T. 0.000 min

Lab File: BP024679.D

Acq: 17 May 2025 06:39

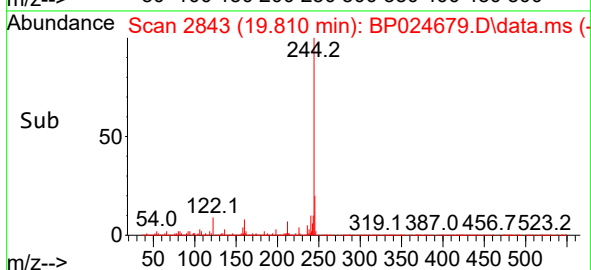
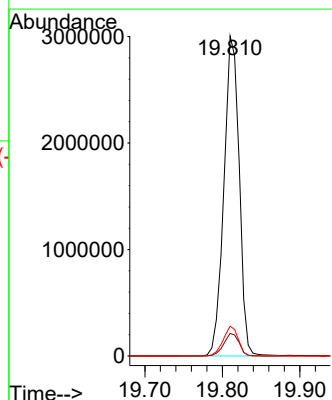
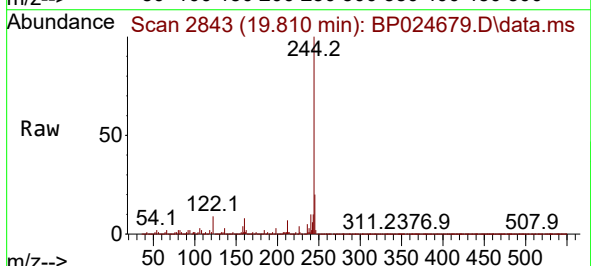
Tgt Ion:244 Resp: 4122331

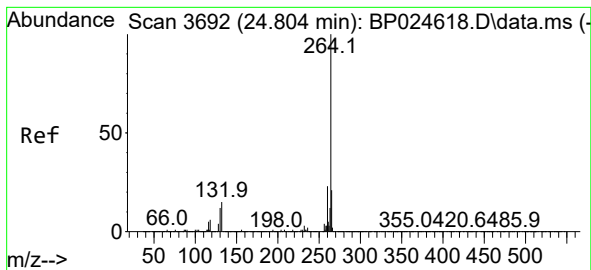
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 9.3 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP024679.D

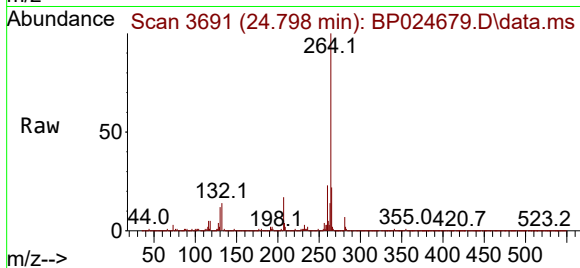
Acq: 17 May 2025 06:39

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:264 Resp: 870935

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.0 17.0 25.6

