

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024643.D
 Acq On : 15 May 2025 18:42
 Operator : RC/JU
 Sample : Q1984-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-25-050725

Quant Time: May 16 01:17:10 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)

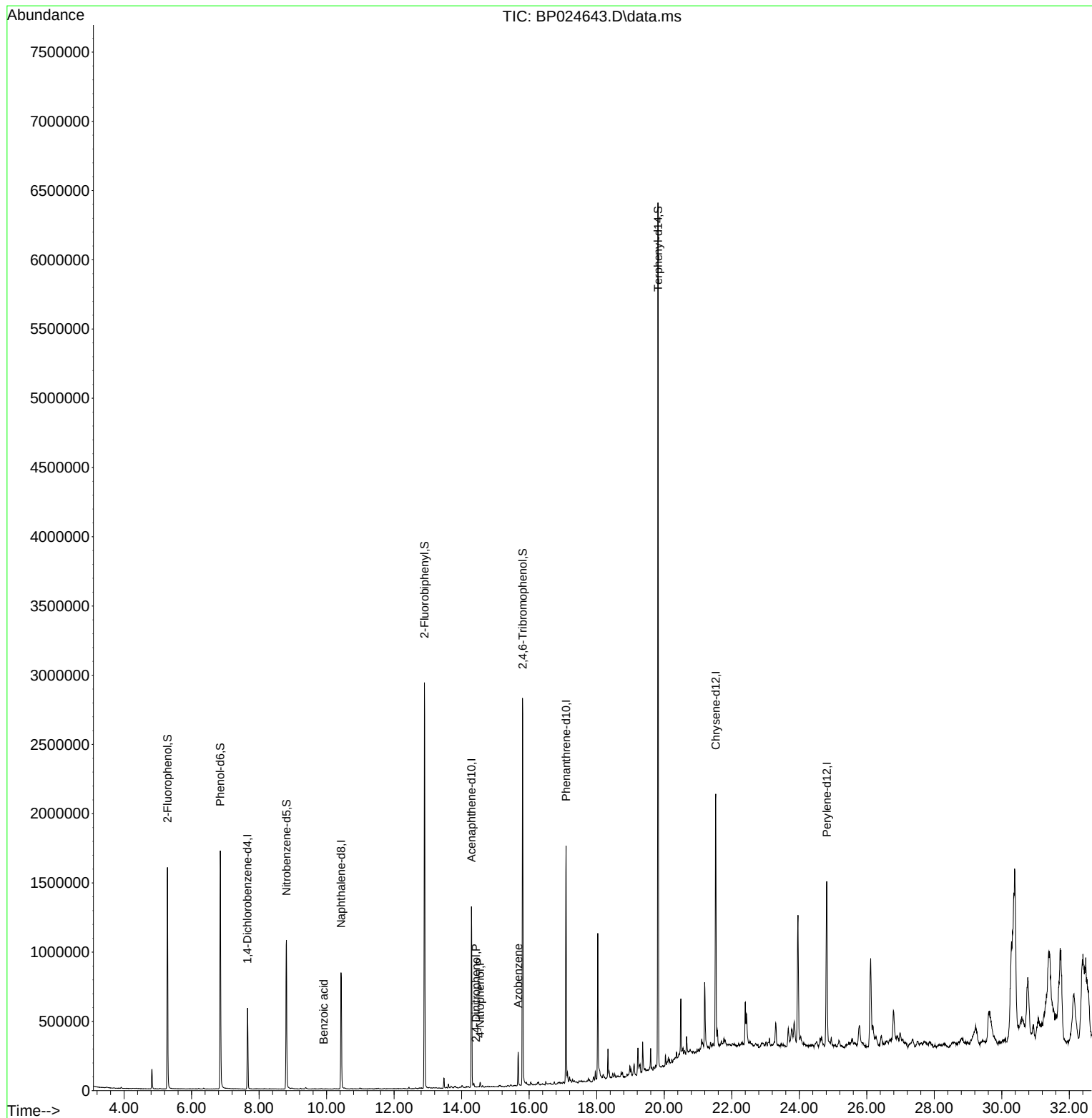
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	165412	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	729186	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	457751	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	949324	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1045845	20.000	ng	0.00
86) Perylene-d12	24.815	264	1103338	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	715592	73.993	ng	0.00
7) Phenol-d6	6.852	99	990262	80.229	ng	0.00
23) Nitrobenzene-d5	8.810	82	620897	43.023	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	604408	77.886	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1488947	42.615	ng	0.00
79) Terphenyl-d14	19.816	244	2737771	44.887	ng	0.00
Target Compounds						
32) Benzoic acid	9.916	122	98	7.479	ng	90
54) 2,4-Dinitrophenol	14.428	184	9	6.403	ng	# 1
56) 4-Nitrophenol	14.545	139	180	4.260	ng	# 1
63) Azobenzene	15.675	77	66142	2.193	ng	# 1

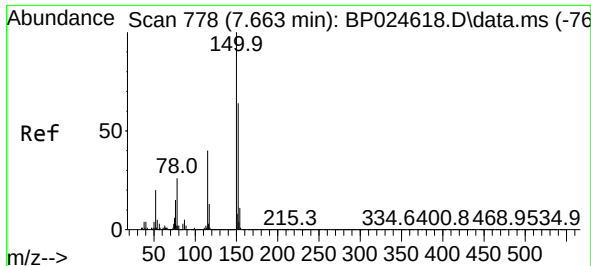
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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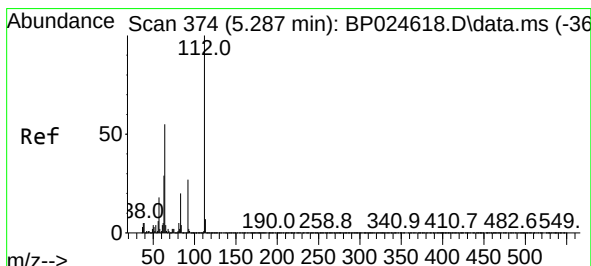
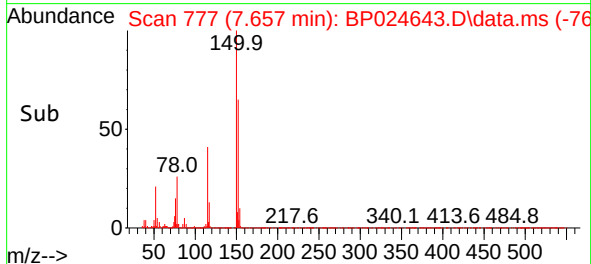
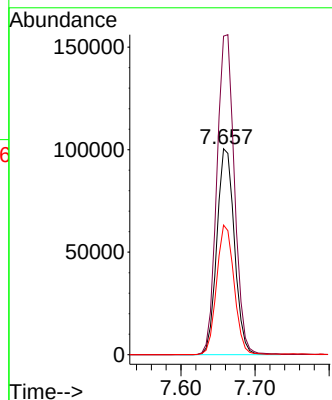
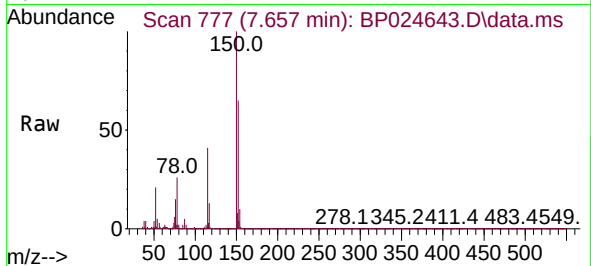




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

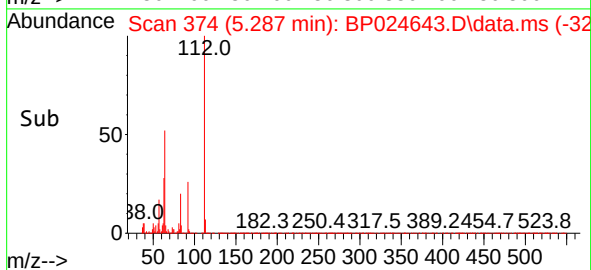
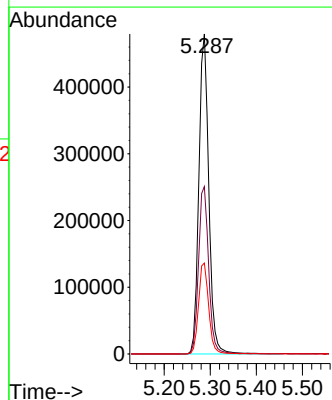
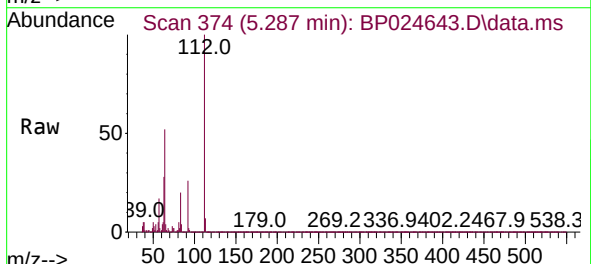
Instrument :
BNA_P
ClientSampleId :
OU4-TS-25-050725

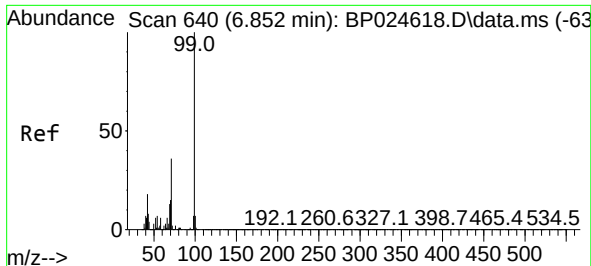
Tgt Ion:152 Resp: 165412
Ion Ratio Lower Upper
152 100
150 154.7 125.9 188.9
115 63.0 50.1 75.1



#5
2-Fluorophenol
Concen: 73.993 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

Tgt Ion:112 Resp: 715592
Ion Ratio Lower Upper
112 100
64 52.3 44.1 66.1
63 28.4 23.5 35.3

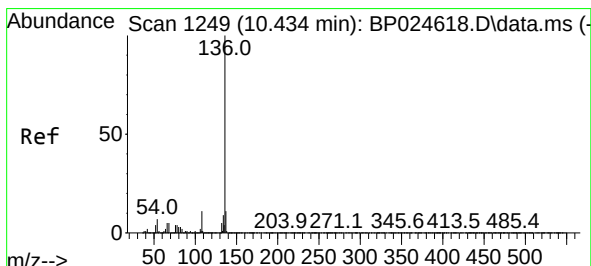
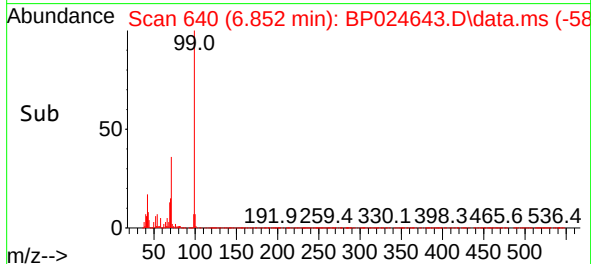
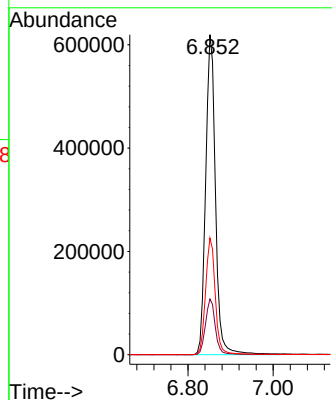
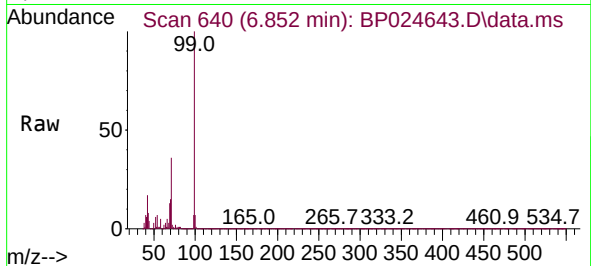




#7
Phenol-d6
Concen: 80.229 ng
RT: 6.852 min Scan# 640
Delta R.T. -0.000 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

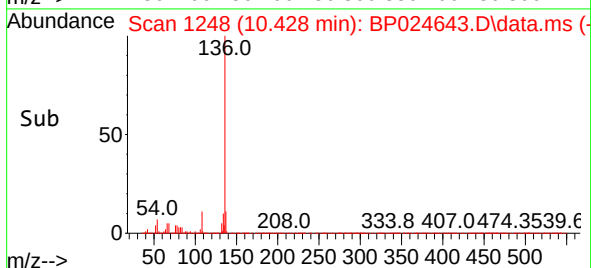
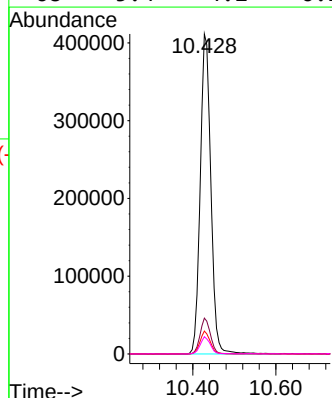
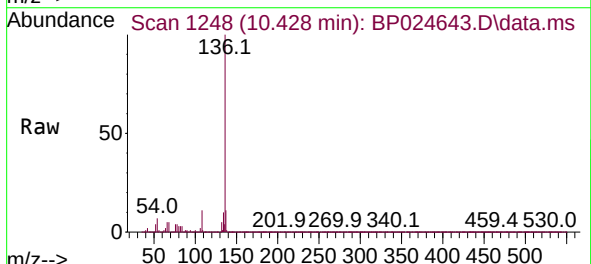
Instrument :
BNA_P
ClientSampleId :
OU4-TS-25-050725

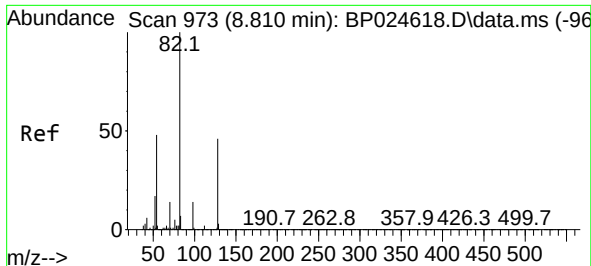
Tgt Ion: 99 Resp: 990262
Ion Ratio Lower Upper
99 100
42 17.4 14.4 21.6
71 36.4 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

Tgt Ion: 136 Resp: 729186
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.2 5.5 8.3
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 43.023 ng

RT: 8.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BP024643.D

Acq: 15 May 2025 18:42

Instrument :

BNA_P

ClientSampleId :

OU4-TS-25-050725

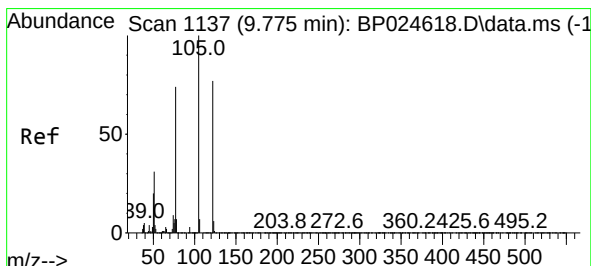
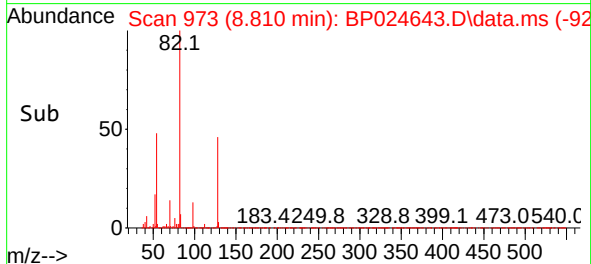
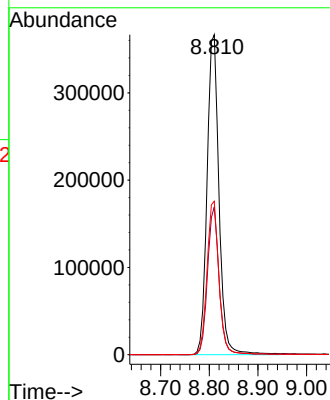
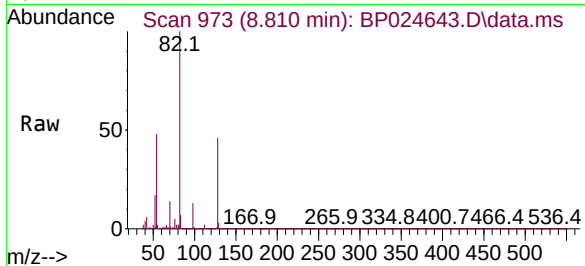
Tgt Ion: 82 Resp: 620897

Ion Ratio Lower Upper

82 100

128 46.2 37.0 55.4

54 47.9 38.7 58.1



#32

Benzoic acid

Concen: 7.479 ng

RT: 9.916 min Scan# 1161

Delta R.T. 0.141 min

Lab File: BP024643.D

Acq: 15 May 2025 18:42

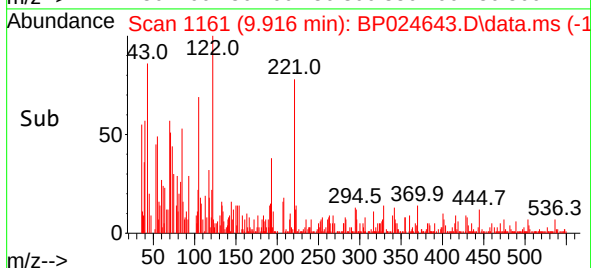
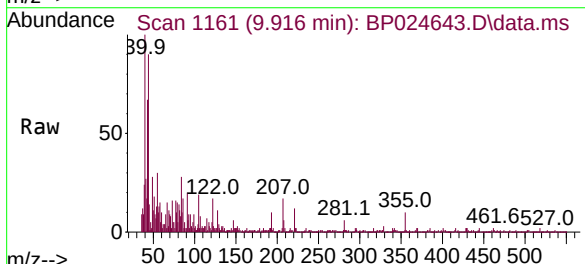
Tgt Ion:122 Resp: 98

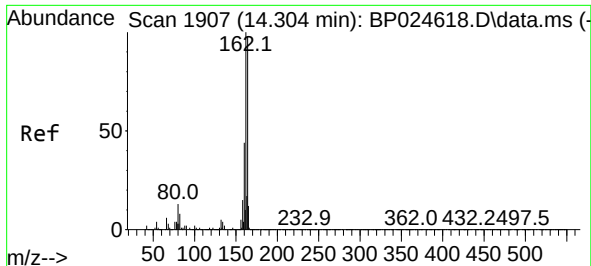
Ion Ratio Lower Upper

122 100

105 110.5 106.9 146.9

77 91.4 75.1 115.1

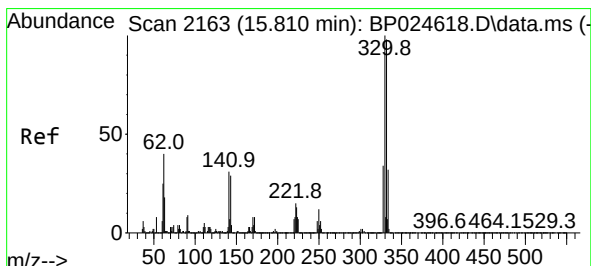
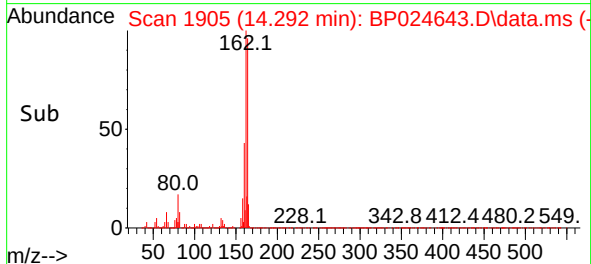
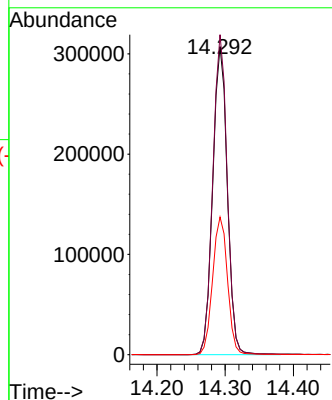
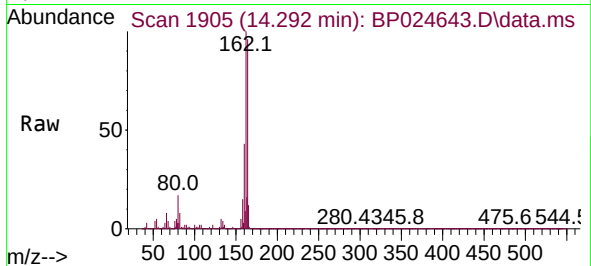




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

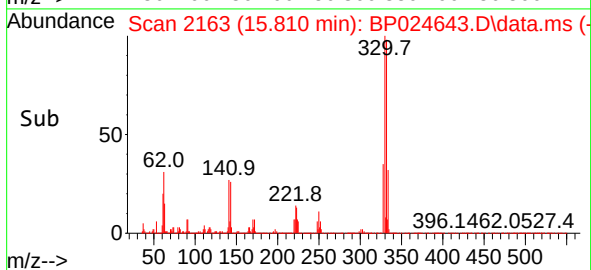
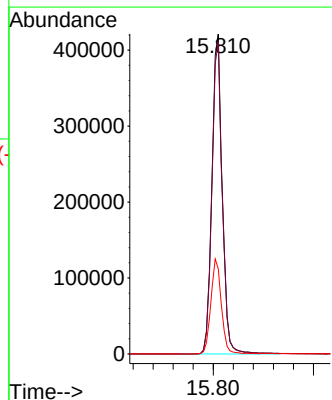
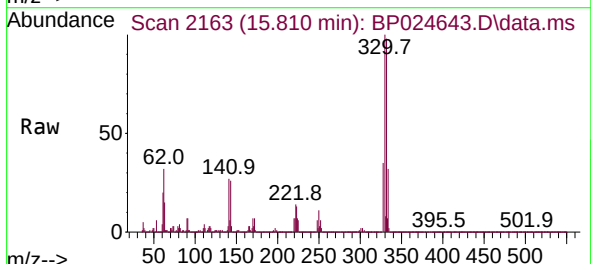
Instrument :
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OU4-TS-25-050725

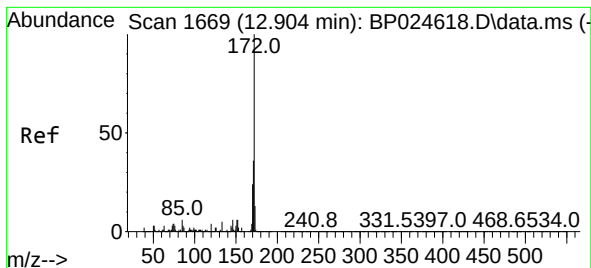
Tgt Ion:164 Resp: 457751
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 44.7 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 77.886 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

Tgt Ion:330 Resp: 604408
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.4
141 30.1 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 42.615 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024643.D

Acq: 15 May 2025 18:42

Instrument :

BNA_P

ClientSampleId :

OU4-TS-25-050725

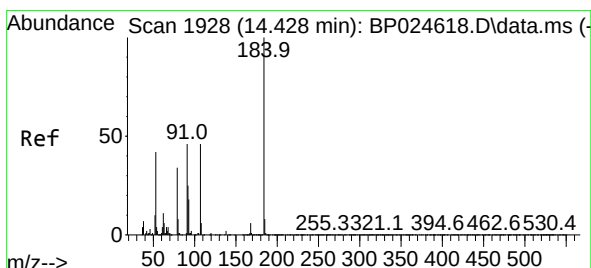
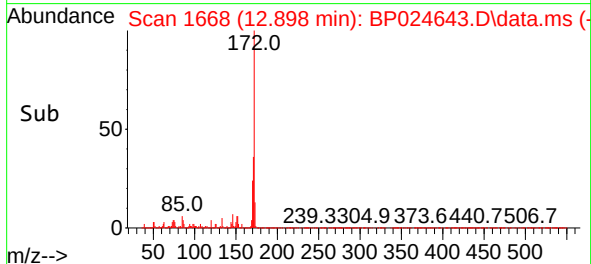
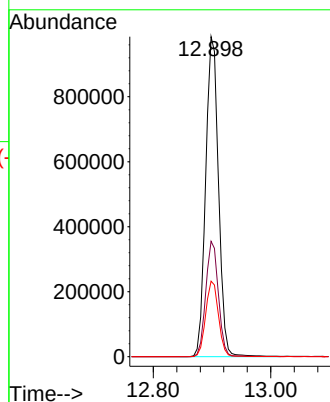
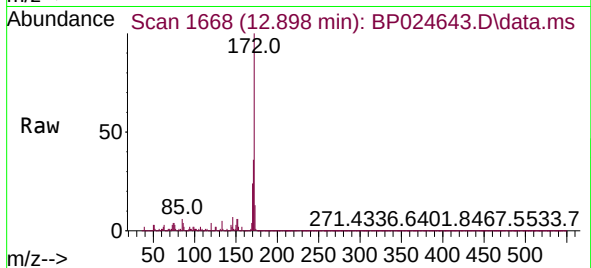
Tgt Ion:172 Resp: 1488947

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.6 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.403 ng

RT: 14.428 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BP024643.D

Acq: 15 May 2025 18:42

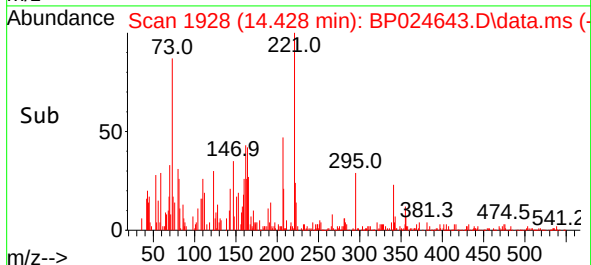
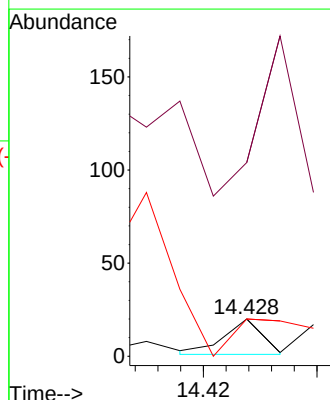
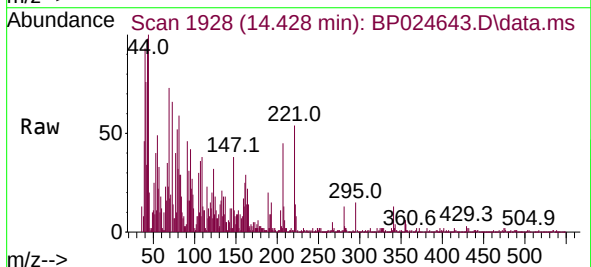
Tgt Ion:184 Resp: 9

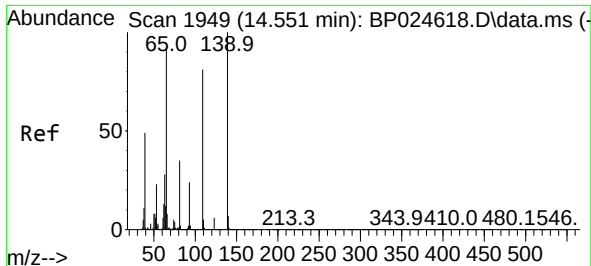
Ion Ratio Lower Upper

184 100

63 520.0 51.3 76.9#

154 100.0 53.5 80.3#

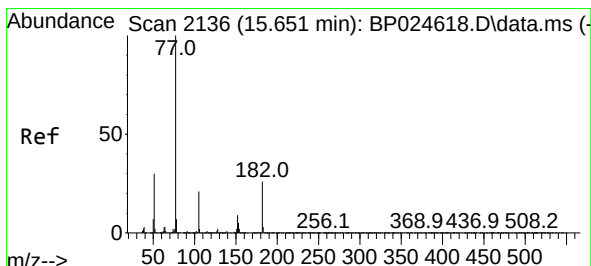
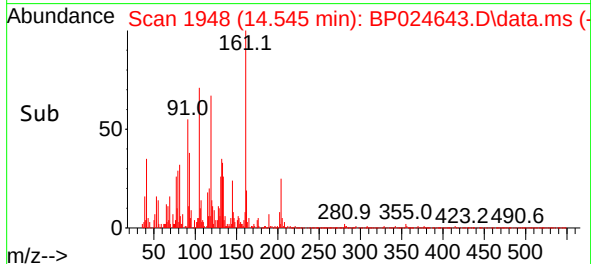
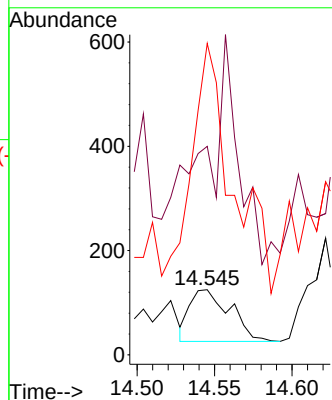
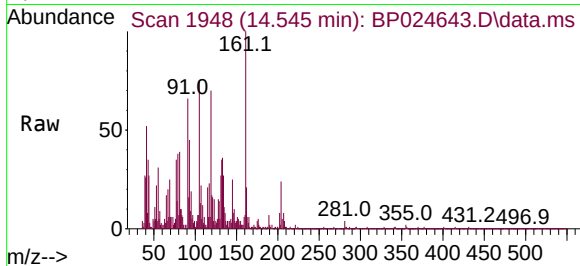




#56
4-Nitrophenol
Concen: 4.260 ng
RT: 14.545 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

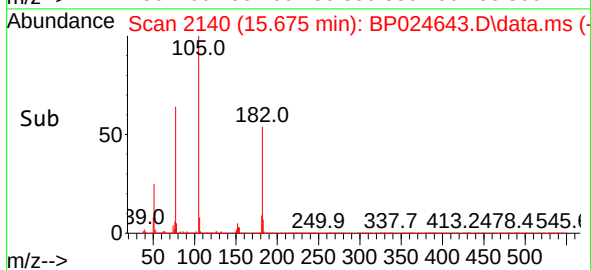
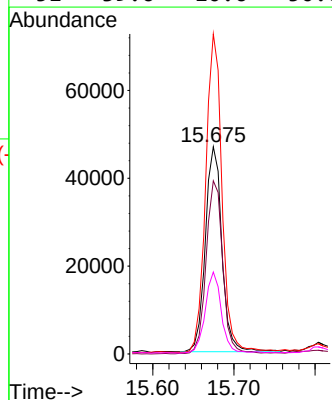
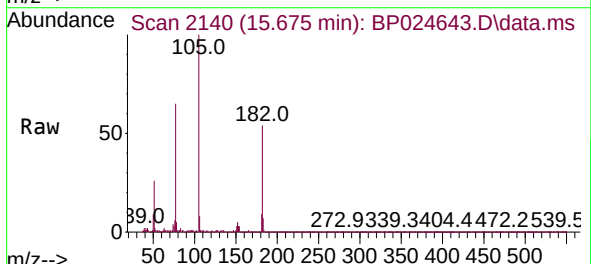
Instrument :
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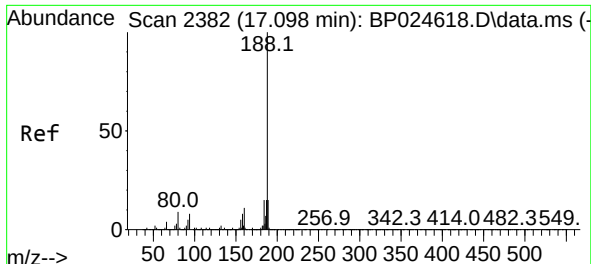
Tgt Ion:139 Resp: 180
Ion Ratio Lower Upper
139 100
109 402.4 61.4 101.4#
65 477.6 72.2 112.2#



#63
Azobenzene
Concen: 2.193 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.023 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

Tgt Ion: 77 Resp: 66142
Ion Ratio Lower Upper
77 100
182 83.6 5.7 45.7#
105 154.4 1.3 41.3#
51 39.6 10.6 50.6

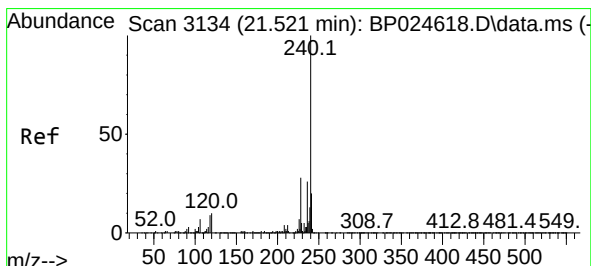
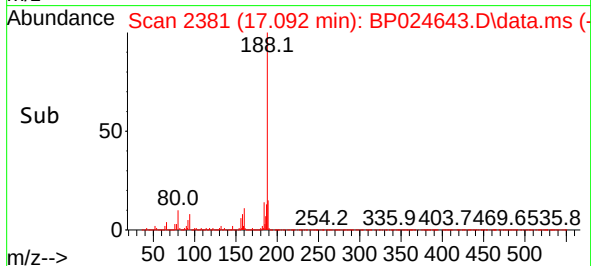
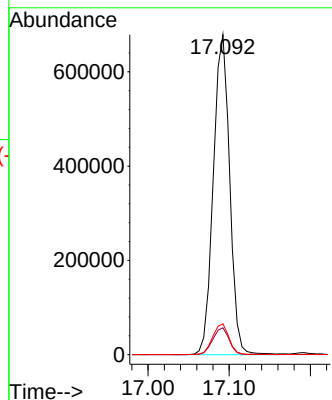
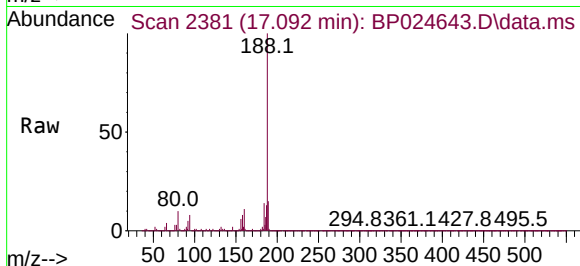




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

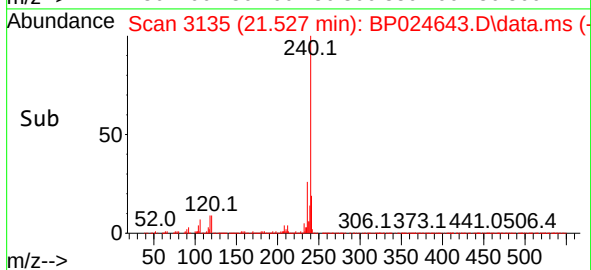
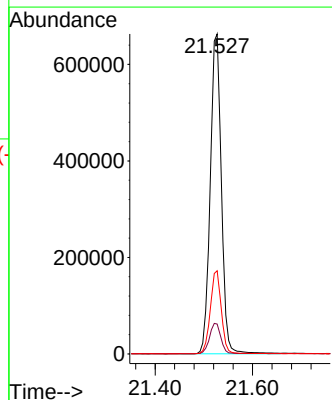
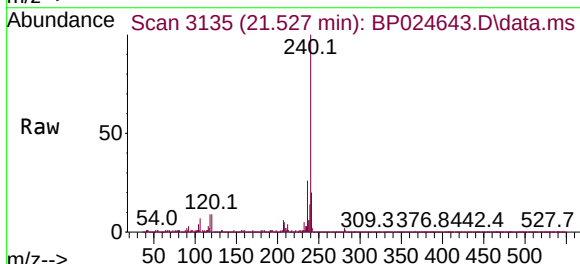
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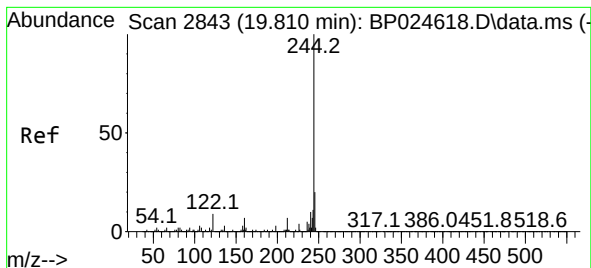
Tgt Ion:188 Resp: 949324
Ion Ratio Lower Upper
188 100
94 8.4 6.5 9.7
80 9.6 7.3 10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024643.D
Acq: 15 May 2025 18:42

Tgt Ion:240 Resp: 1045845
Ion Ratio Lower Upper
240 100
120 9.4 7.8 11.6
236 26.0 20.6 31.0





#79

Terphenyl-d14

Concen: 44.887 ng

RT: 19.816 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024643.D

Acq: 15 May 2025 18:42

Instrument :

BNA_P

ClientSampleId :

OU4-TS-25-050725

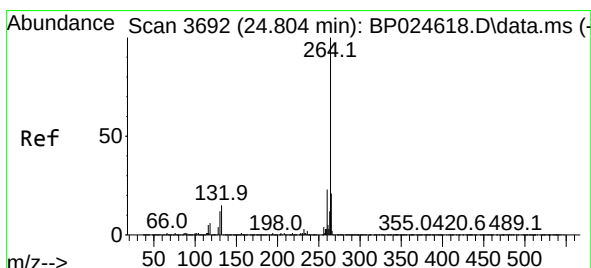
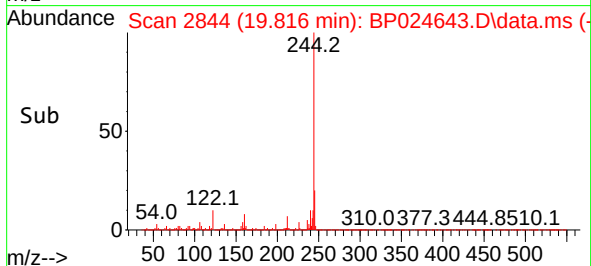
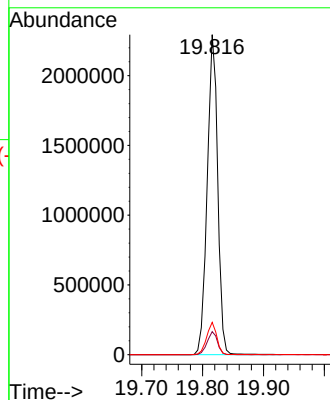
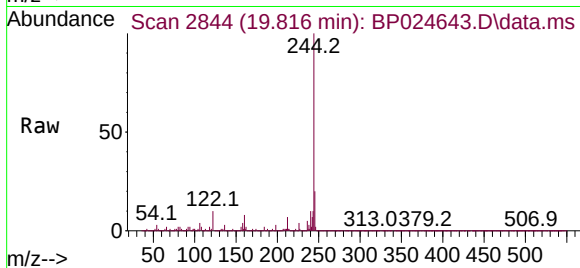
Tgt Ion:244 Resp: 2737771

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 10.1 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.815 min Scan# 3694

Delta R.T. 0.012 min

Lab File: BP024643.D

Acq: 15 May 2025 18:42

Tgt Ion:264 Resp: 1103338

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.5 17.0 25.6

