

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024644.D
 Acq On : 15 May 2025 19:23
 Operator : RC/JU
 Sample : Q1984-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-26-050725

Quant Time: May 16 01:17:33 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)

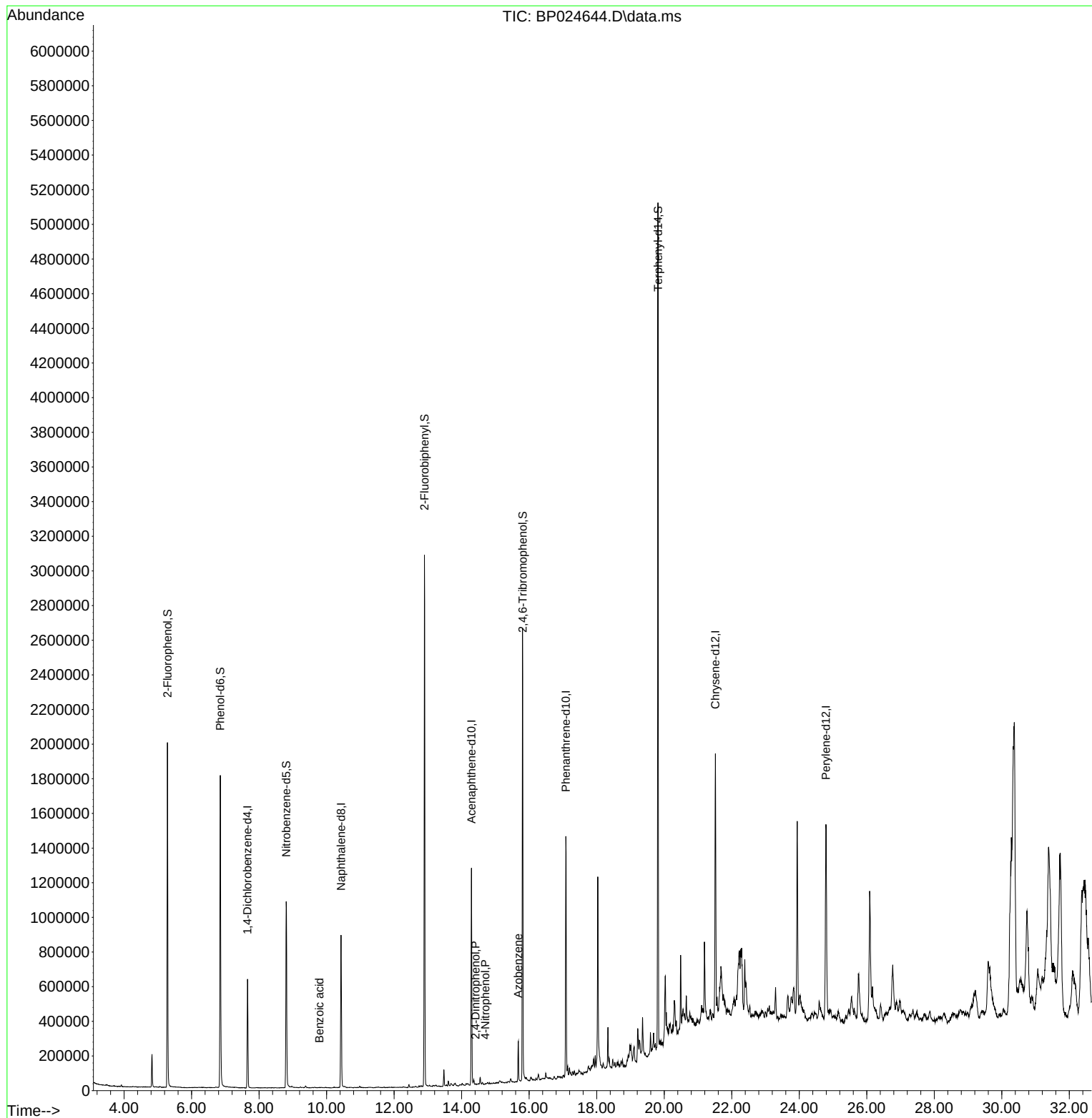
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	175989	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	742245	20.000	ng	0.00
39) Acenaphthene-d10	14.293	164	436986	20.000	ng	-0.01
64) Phenanthrene-d10	17.087	188	825732	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	944347	20.000	ng	0.00
86) Perylene-d12	24.792	264	1114381	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	851948	82.798	ng	0.00
7) Phenol-d6	6.852	99	1079702	82.218	ng	0.00
23) Nitrobenzene-d5	8.805	82	671414	45.705	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	543094	73.310	ng	0.00
45) 2-Fluorobiphenyl	12.899	172	1497391	44.893	ng	0.00
79) Terphenyl-d14	19.816	244	2192577	39.812	ng	0.00
Target Compounds						
32) Benzoic acid	9.787	122	202	7.490	ng	Qvalue 91
54) 2,4-Dinitrophenol	14.410	184	12	6.404	ng	# 1
56) 4-Nitrophenol	14.698	139	609	4.327	ng	93
63) Azobenzene	15.675	77	62799	2.181	ng	# 1

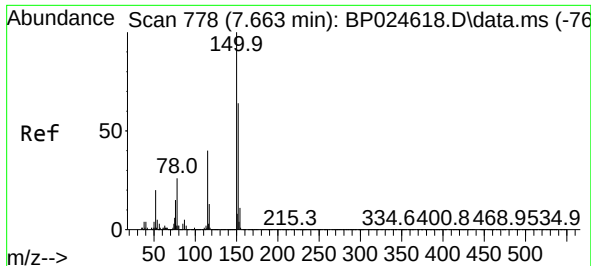
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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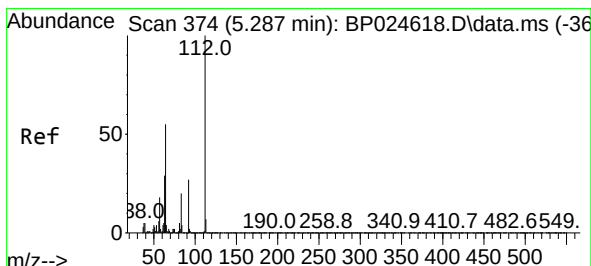
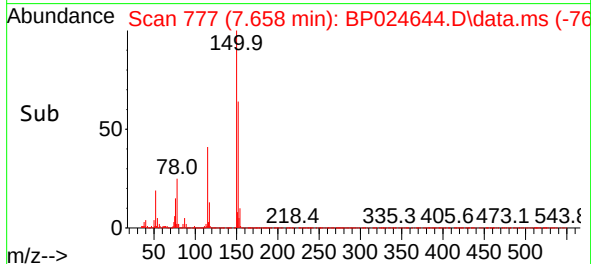
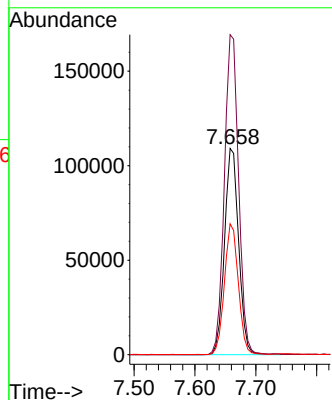
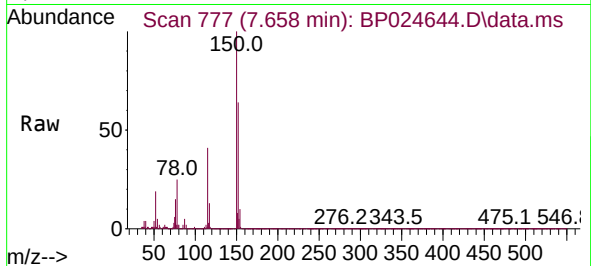




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 778
Delta R.T. -0.005 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

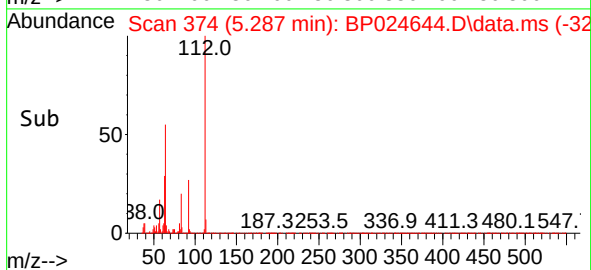
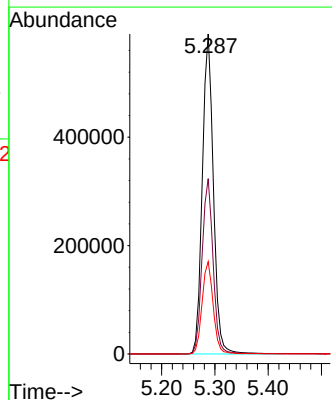
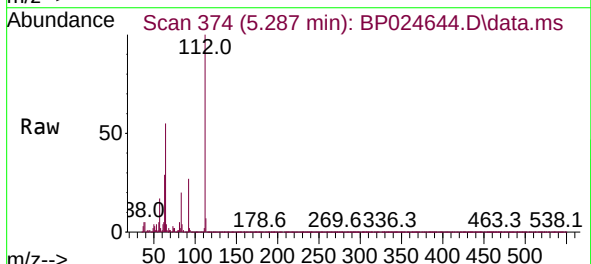
Instrument :
BNA_P
ClientSampleId :
OU4-TS-26-050725

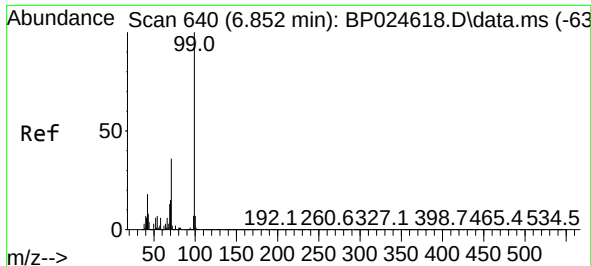
Tgt Ion:152 Resp: 175989
Ion Ratio Lower Upper
152 100
150 155.2 125.9 188.9
115 63.5 50.1 75.1



#5
2-Fluorophenol
Concen: 82.798 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

Tgt Ion:112 Resp: 851948
Ion Ratio Lower Upper
112 100
64 54.8 44.1 66.1
63 28.9 23.5 35.3



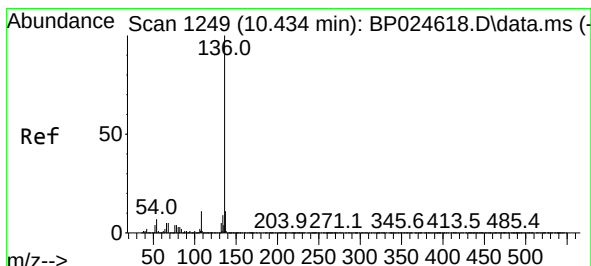
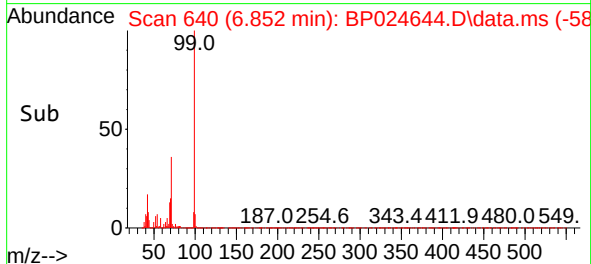
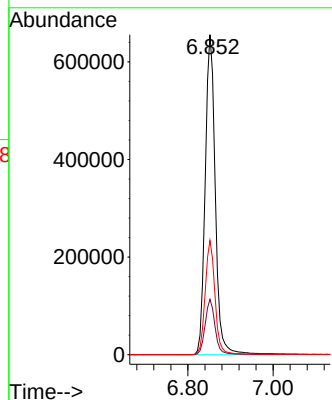
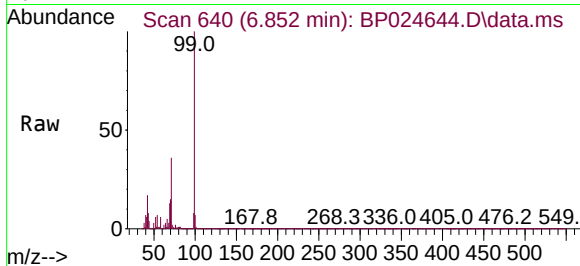


#7
Phenol-d6
Concen: 82.218 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

Instrument :
BNA_P
ClientSampleId :
OU4-TS-26-050725

Tgt Ion: 99 Resp: 1079702

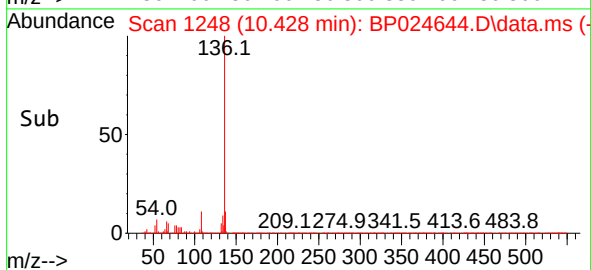
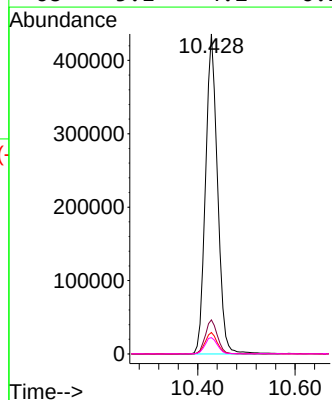
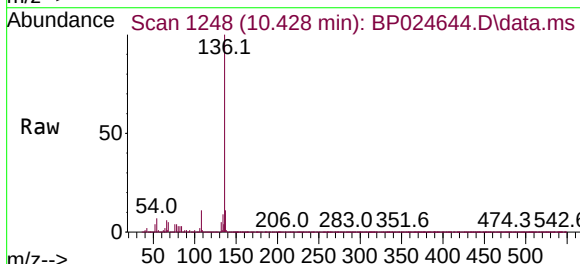
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.4	21.6
71	35.7	29.2	43.8

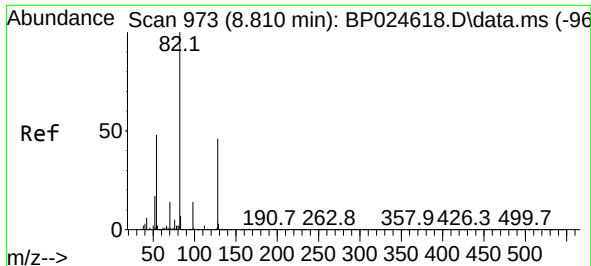


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

Tgt Ion: 136 Resp: 742245

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	5.5	8.3
68	5.1	4.2	6.2

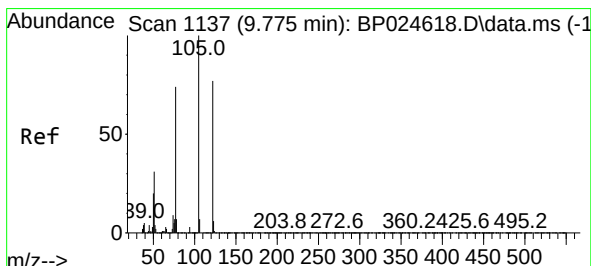
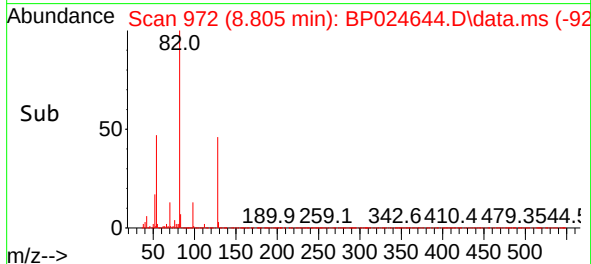
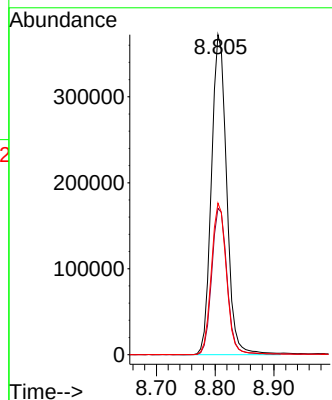
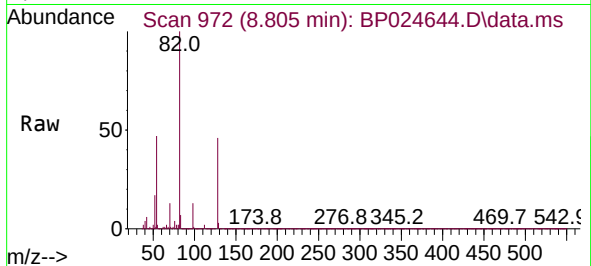




#23
Nitrobenzene-d5
Concen: 45.705 ng
RT: 8.805 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

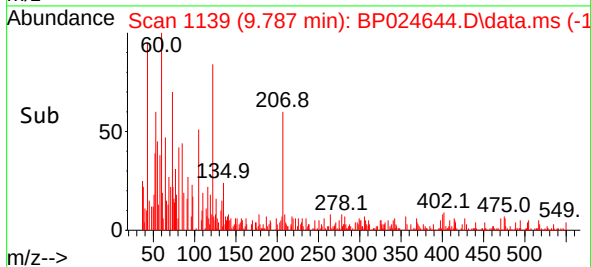
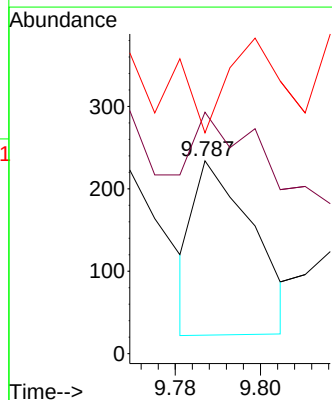
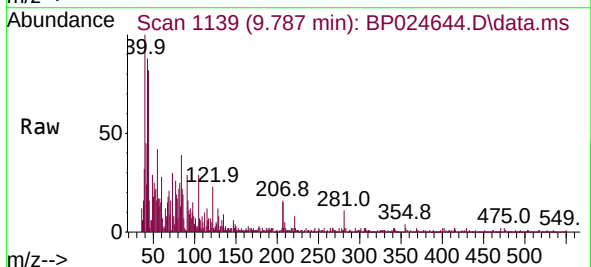
Instrument :
BNA_P
ClientSampleId :
OU4-TS-26-050725

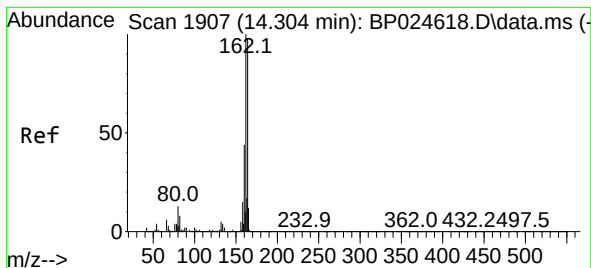
Tgt Ion: 82 Resp: 671414
Ion Ratio Lower Upper
82 100
128 45.8 37.0 55.4
54 47.4 38.7 58.1



#32
Benzoic acid
Concen: 7.490 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

Tgt Ion: 122 Resp: 202
Ion Ratio Lower Upper
122 100
105 125.2 106.9 146.9
77 114.5 75.1 115.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.293 min Scan# 1905

Delta R.T. -0.012 min

Lab File: BP024644.D

Acq: 15 May 2025 19:23

Instrument :

BNA_P

ClientSampleId :

OU4-TS-26-050725

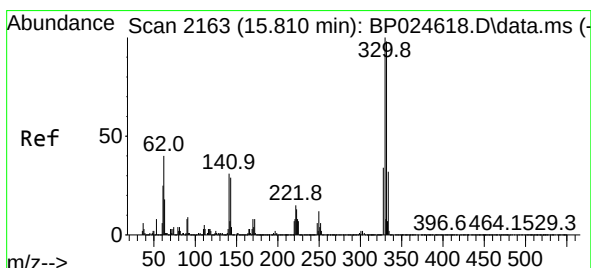
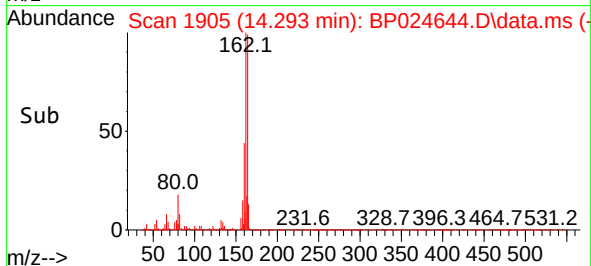
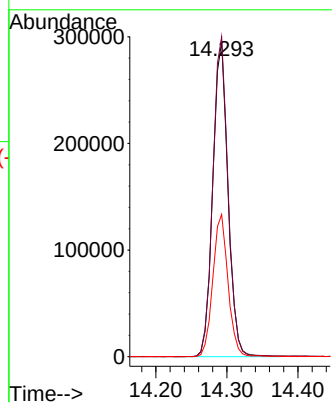
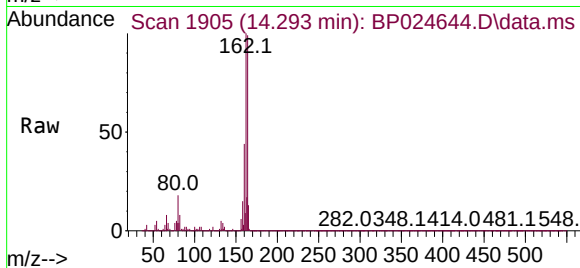
Tgt Ion:164 Resp: 436986

Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.6

160 45.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 73.310 ng

RT: 15.810 min Scan# 2163

Delta R.T. 0.000 min

Lab File: BP024644.D

Acq: 15 May 2025 19:23

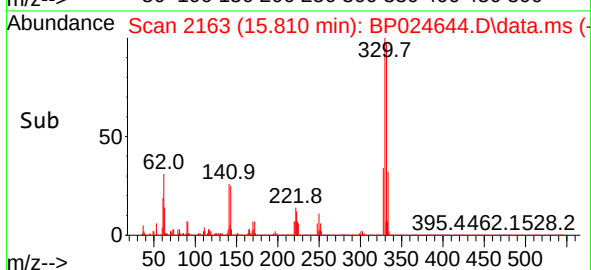
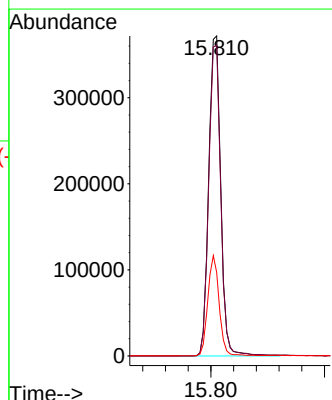
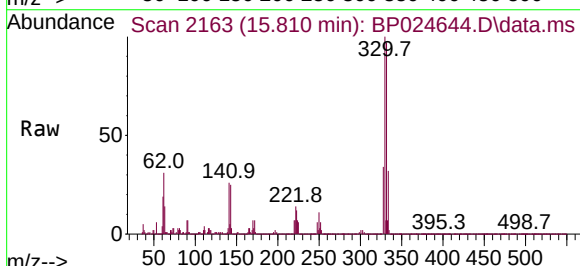
Tgt Ion:330 Resp: 543094

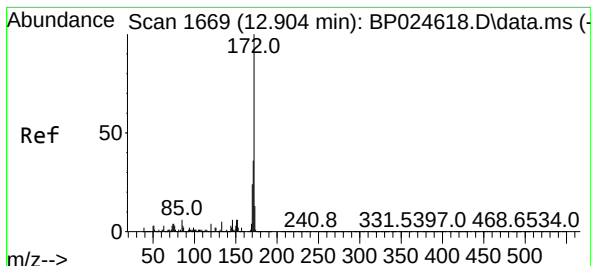
Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.4

141 29.5 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 44.893 ng

RT: 12.899 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024644.D

Acq: 15 May 2025 19:23

Instrument :

BNA_P

ClientSampleId :

OU4-TS-26-050725

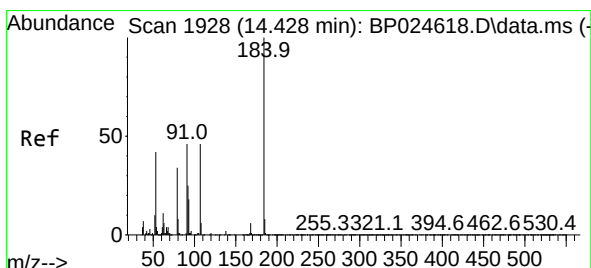
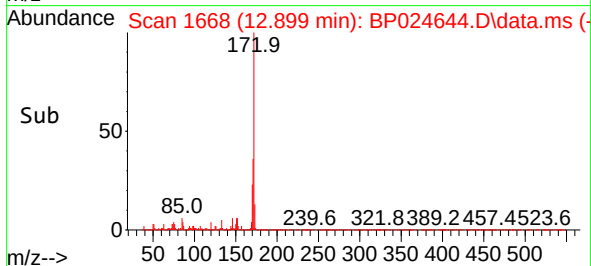
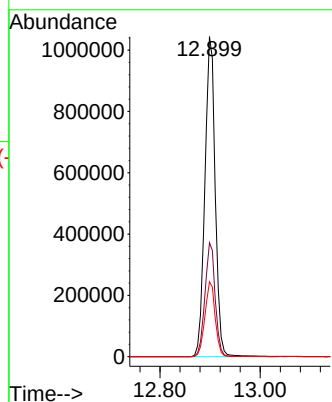
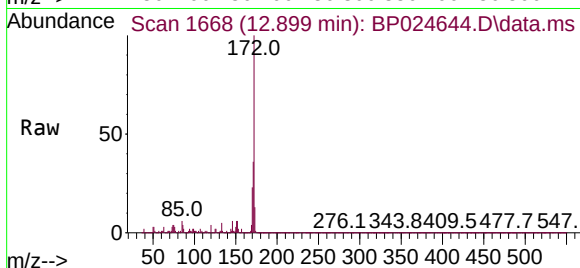
Tgt Ion:172 Resp: 1497391

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.4 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.404 ng

RT: 14.410 min Scan# 1925

Delta R.T. -0.018 min

Lab File: BP024644.D

Acq: 15 May 2025 19:23

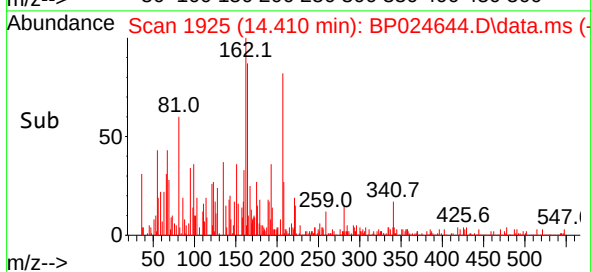
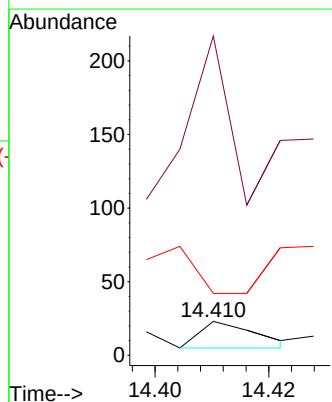
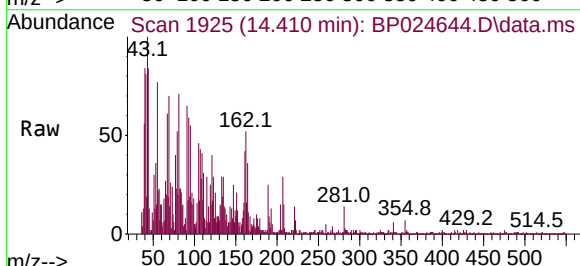
Tgt Ion:184 Resp: 12

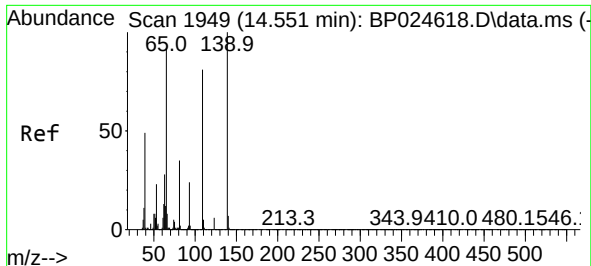
Ion Ratio Lower Upper

184 100

63 943.5 51.3 76.9#

154 182.6 53.5 80.3#

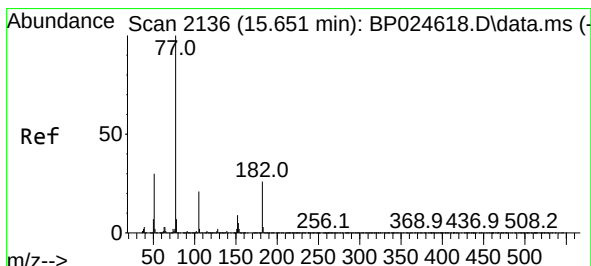
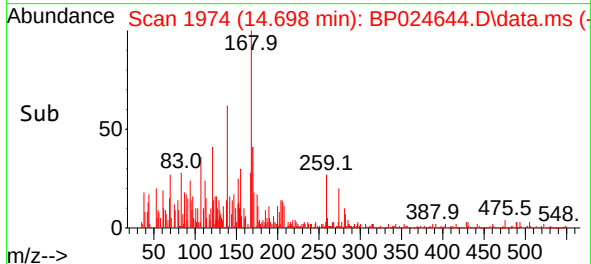
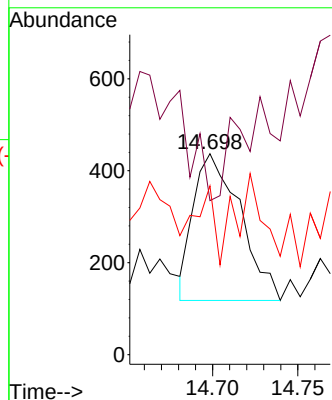
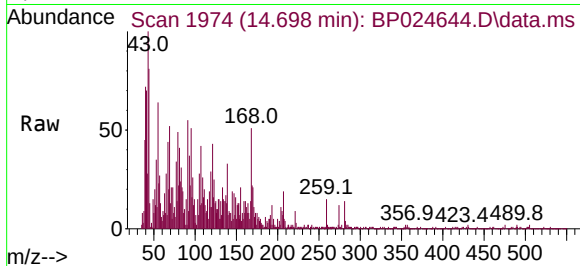




#56
4-Nitrophenol
Concen: 4.327 ng
RT: 14.698 min Scan# 1949
Delta R.T. 0.147 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

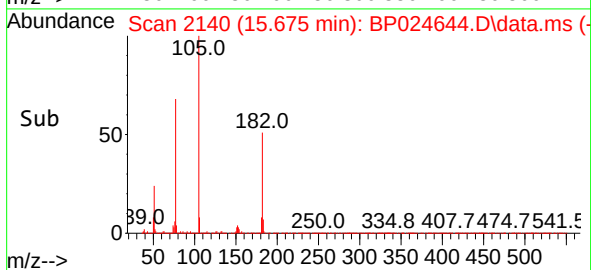
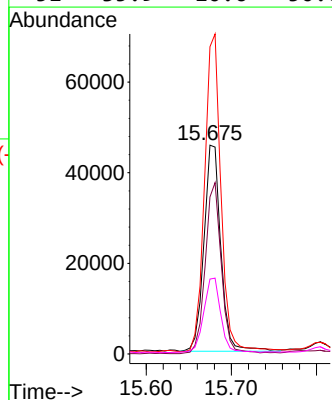
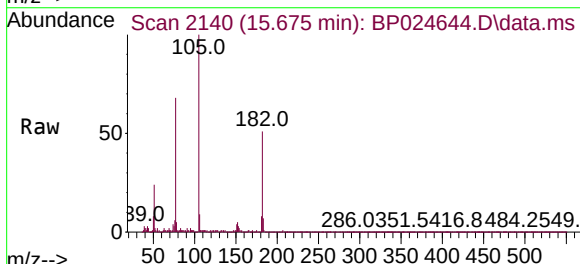
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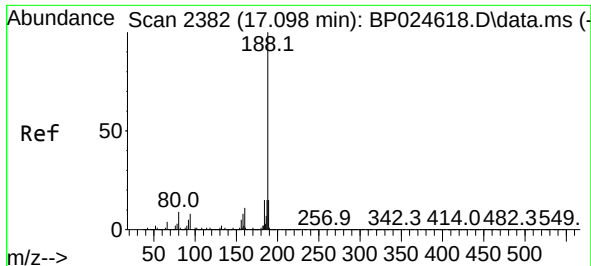
Tgt Ion:139 Resp: 609
Ion Ratio Lower Upper
139 100
109 76.7 61.4 101.4
65 84.0 72.2 112.2



#63
Azobenzene
Concen: 2.181 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.024 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

Tgt Ion: 77 Resp: 62799
Ion Ratio Lower Upper
77 100
182 75.2 5.7 45.7#
105 147.2 1.3 41.3#
51 35.9 10.6 50.6

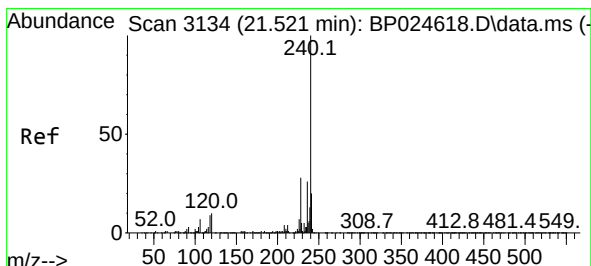
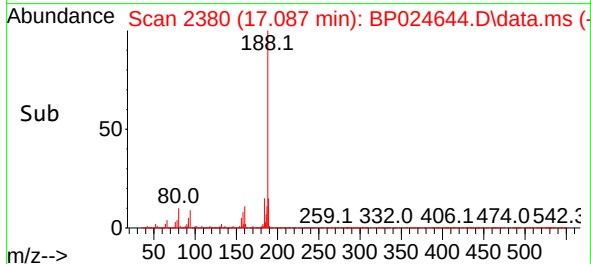
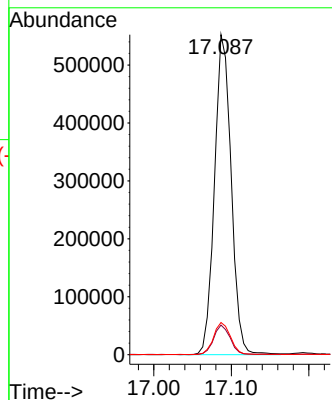
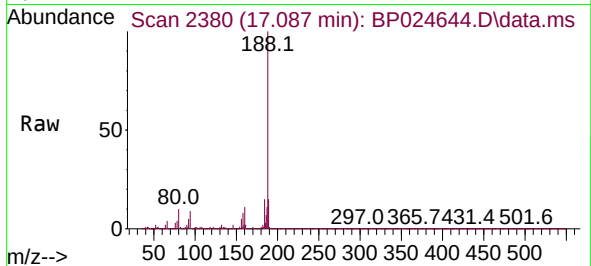




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

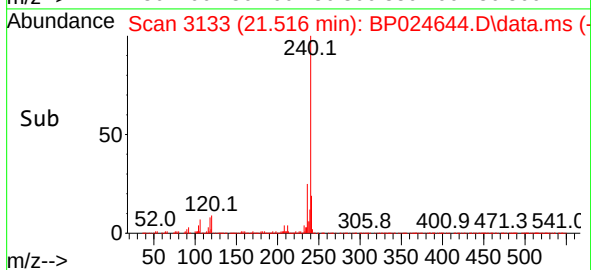
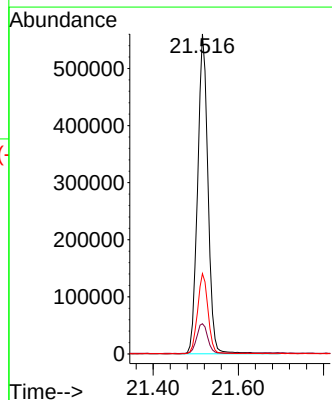
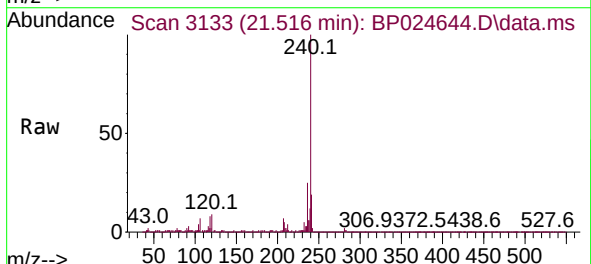
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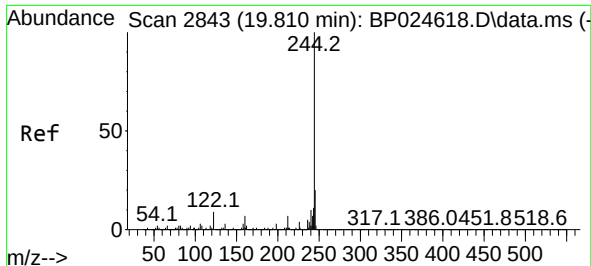
Tgt Ion:188 Resp: 825732
Ion Ratio Lower Upper
188 100
94 9.3 6.5 9.7
80 10.0 7.3 10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024644.D
Acq: 15 May 2025 19:23

Tgt Ion:240 Resp: 944347
Ion Ratio Lower Upper
240 100
120 9.5 7.8 11.6
236 25.1 20.6 31.0

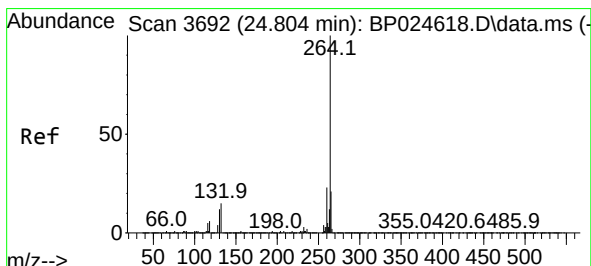
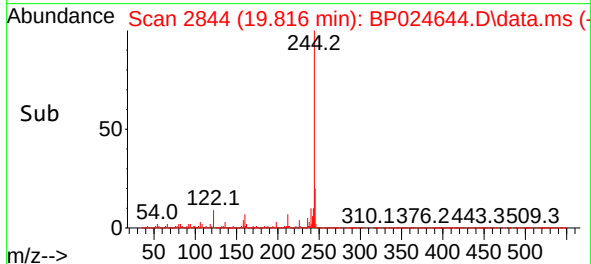
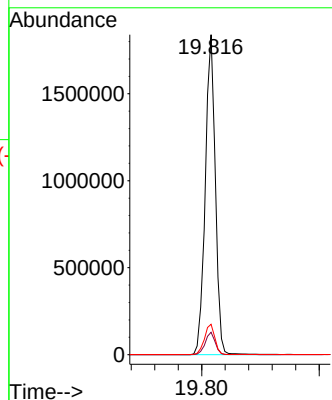
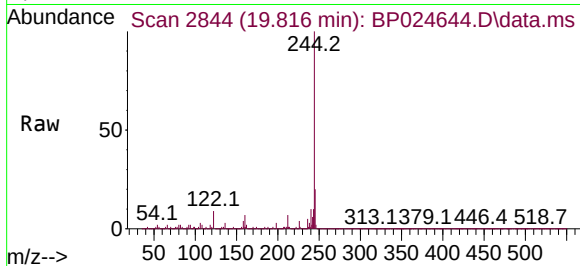




#79
 Terphenyl-d14
 Concen: 39.812 ng
 RT: 19.816 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP024644.D
 Acq: 15 May 2025 19:23

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-26-050725

Tgt Ion:244 Resp: 2192577
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 9.5 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.792 min Scan# 3690
 Delta R.T. -0.012 min
 Lab File: BP024644.D
 Acq: 15 May 2025 19:23

Tgt Ion:264 Resp: 1114381
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.3 17.0 25.6

