

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024640.D
 Acq On : 15 May 2025 16:40
 Operator : RC/JU
 Sample : Q1984-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-33-050725

Quant Time: May 15 17:46:20 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)

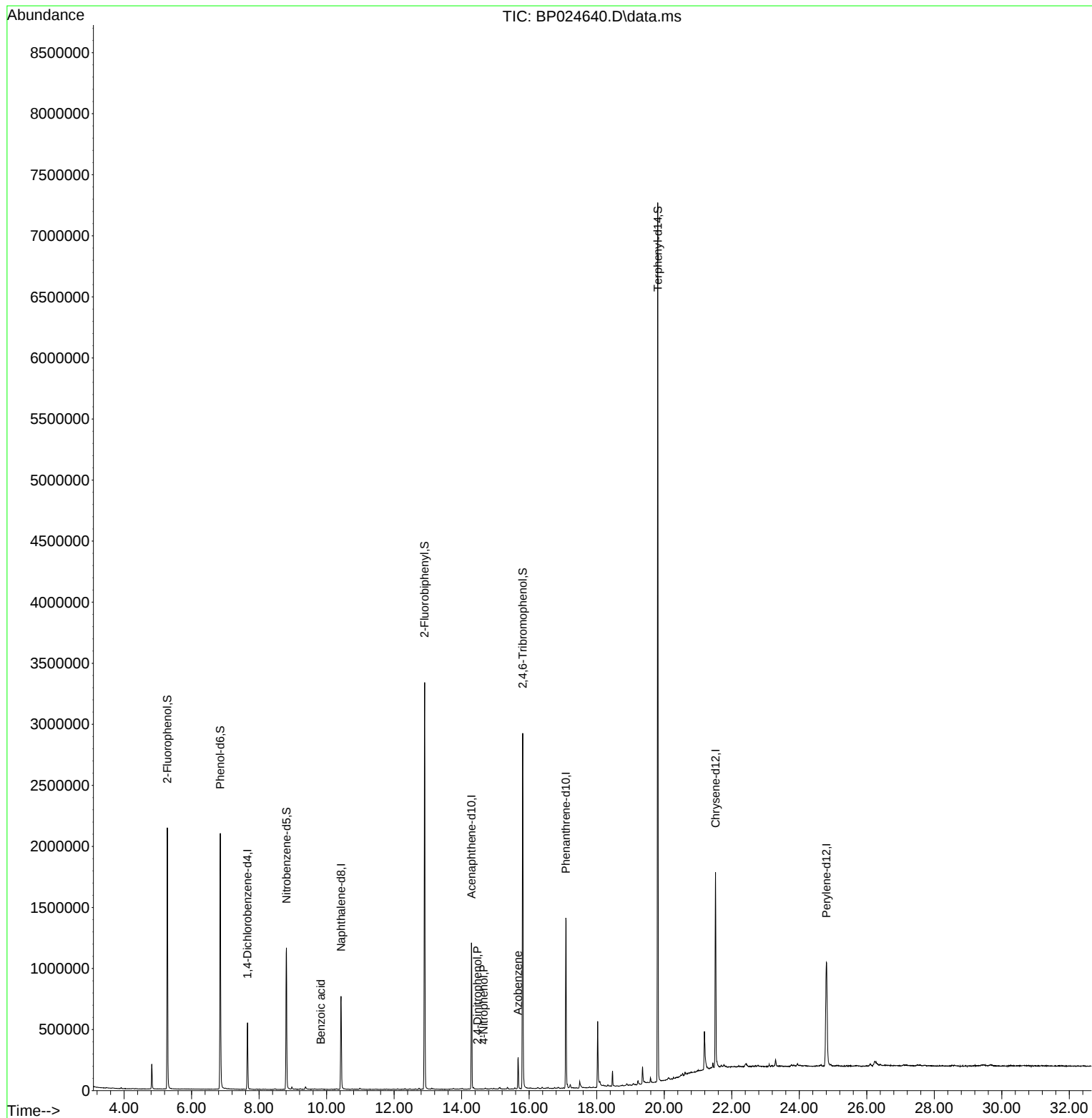
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	153150	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	652972	20.000	ng	0.00
39) Acenaphthene-d10	14.293	164	400586	20.000	ng	-0.01
64) Phenanthrene-d10	17.087	188	820674	20.000	ng	-0.01
76) Chrysene-d12	21.522	240	966886	20.000	ng	0.00
86) Perylene-d12	24.804	264	1054497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	929927	103.854	ng	0.00
7) Phenol-d6	6.852	99	1189214	104.061	ng	0.00
23) Nitrobenzene-d5	8.811	82	665326	51.482	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	660516	97.262	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1737500	56.825	ng	0.00
79) Terphenyl-d14	19.810	244	3391751	60.150	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.834	122	83	7.479	ng	93
54) 2,4-Dinitrophenol	14.469	184	98	6.423	ng	90
56) 4-Nitrophenol	14.651	139	247	4.275	ng	82
63) Azobenzene	15.669	77	75986	2.878	ng	# 1

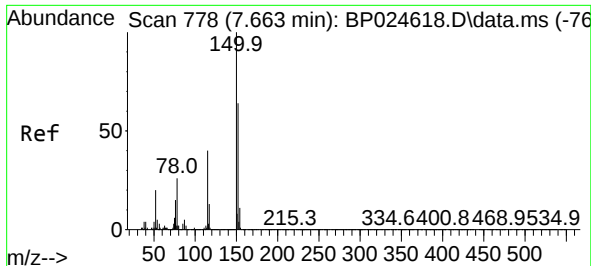
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
Data File : BP024640.D
Acq On : 15 May 2025 16:40
Operator : RC/JU
Sample : Q1984-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-33-050725

Quant Time: May 15 17:46:20 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

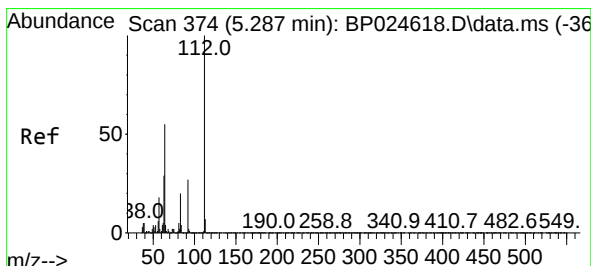
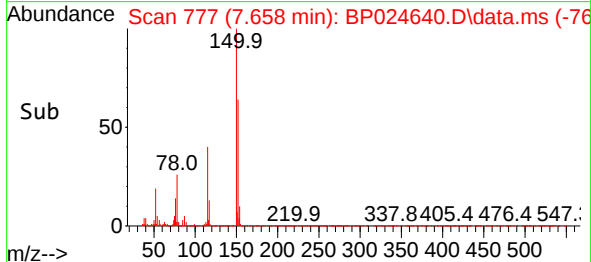
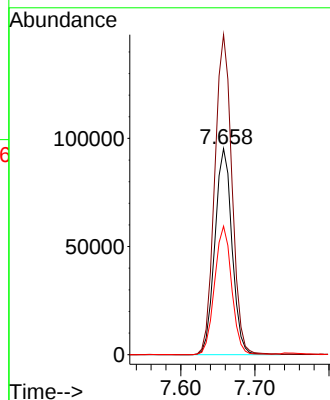
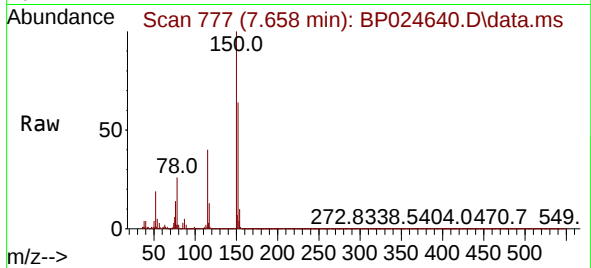




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

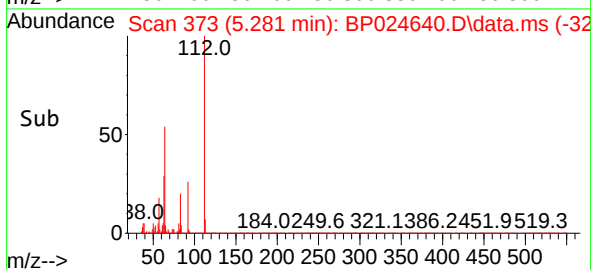
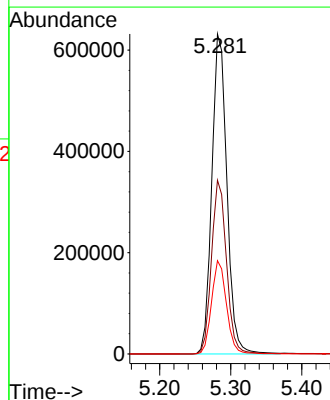
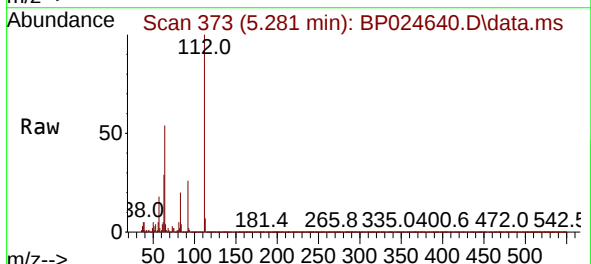
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion:152 Resp: 153150
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 62.4 50.1 75.1



#5
2-Fluorophenol
Concen: 103.854 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

Tgt Ion:112 Resp: 929927
Ion Ratio Lower Upper
112 100
64 54.3 44.1 66.1
63 29.2 23.5 35.3



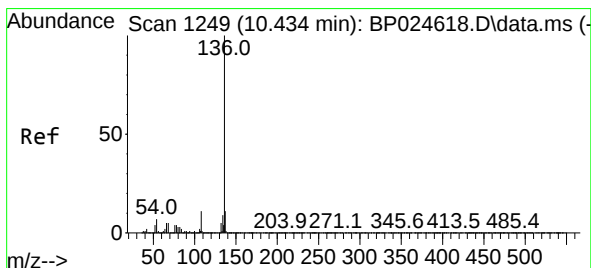
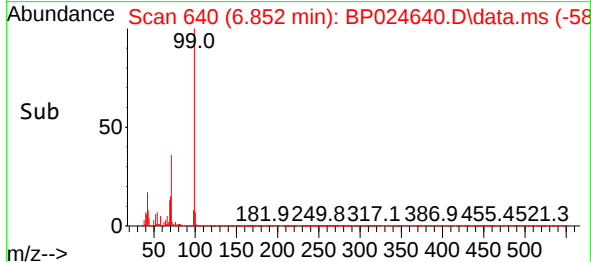
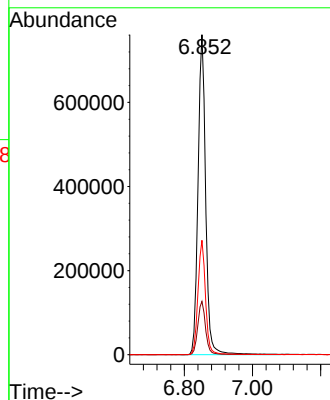
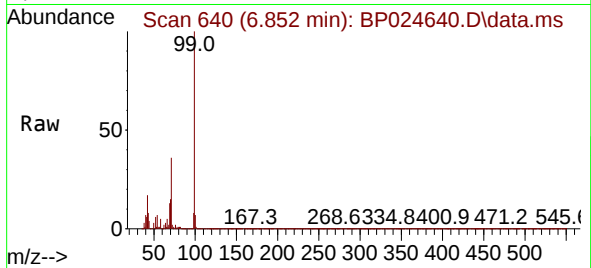


#7
Phenol-d6
Concen: 104.061 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion: 99 Resp: 1189214

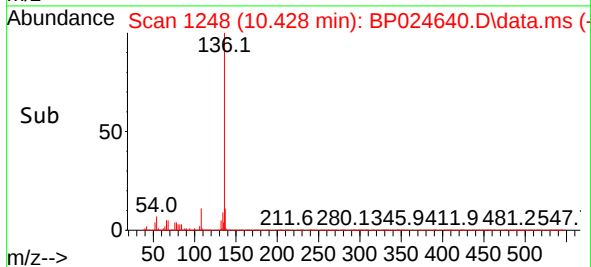
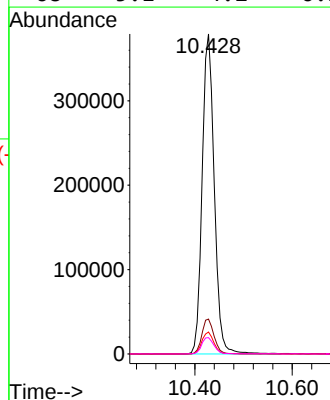
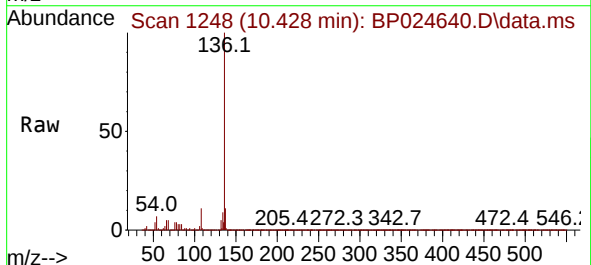
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.4	21.6
71	35.7	29.2	43.8

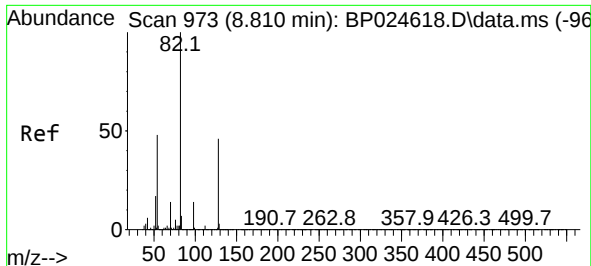


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

Tgt Ion:136 Resp: 652972

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.8	5.5	8.3
68	5.1	4.2	6.2

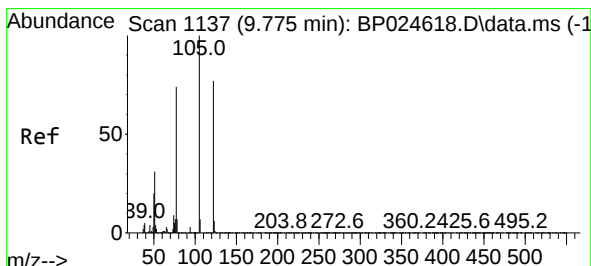
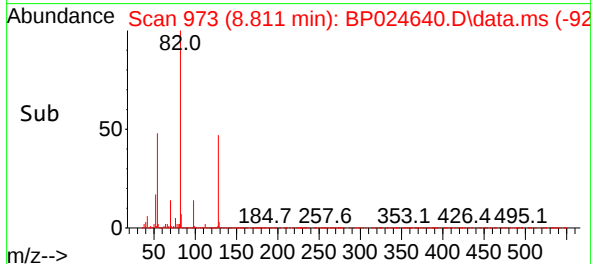
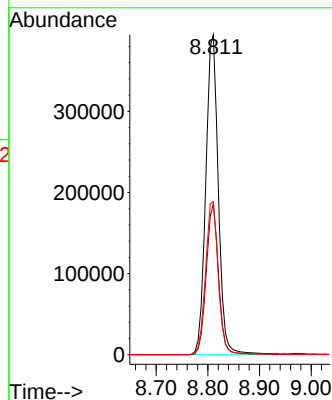
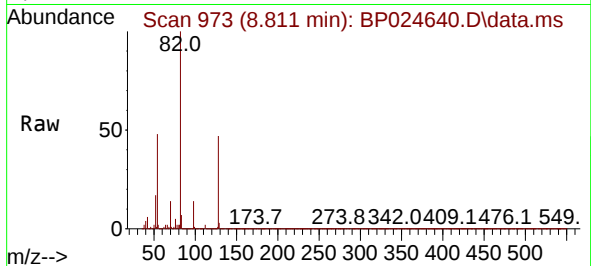




#23
Nitrobenzene-d5
Concen: 51.482 ng
RT: 8.811 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

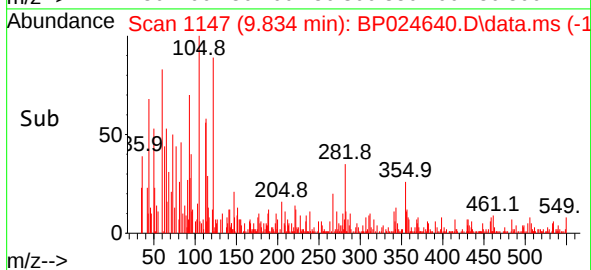
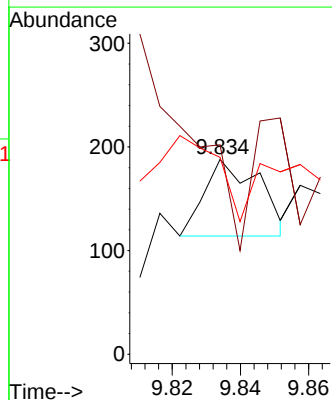
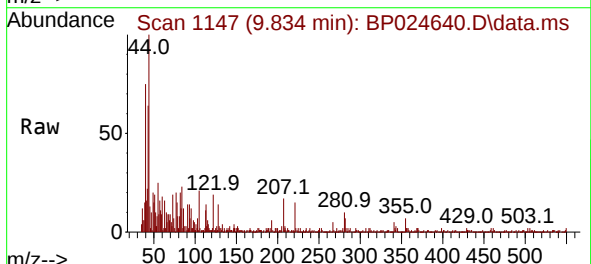
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-33-050725

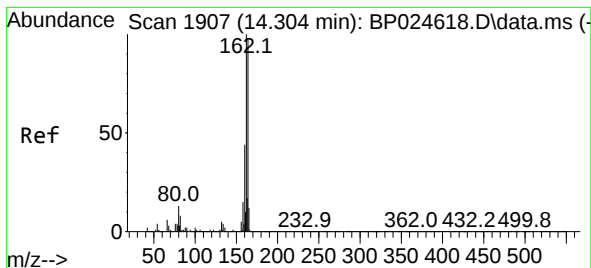
Tgt Ion: 82 Resp: 665326
Ion Ratio Lower Upper
82 100
128 47.1 37.0 55.4
54 47.8 38.7 58.1



#32
Benzoic acid
Concen: 7.479 ng
RT: 9.834 min Scan# 1147
Delta R.T. 0.059 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

Tgt Ion: 122 Resp: 83
Ion Ratio Lower Upper
122 100
105 117.6 106.9 146.9
77 101.1 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: BP024640.D

Acq: 15 May 2025 16:40

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-33-050725

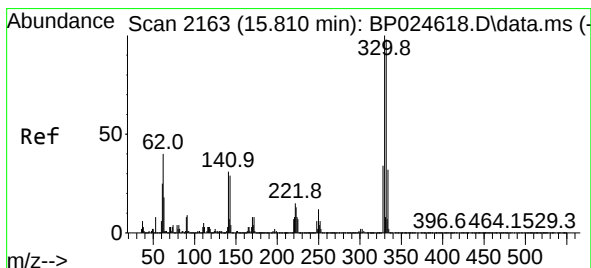
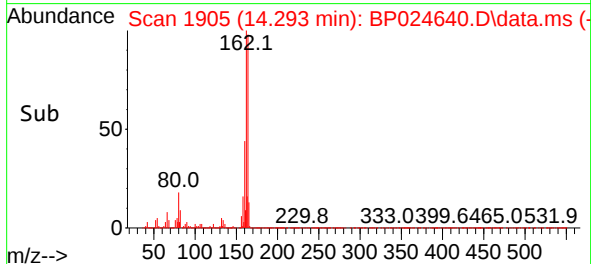
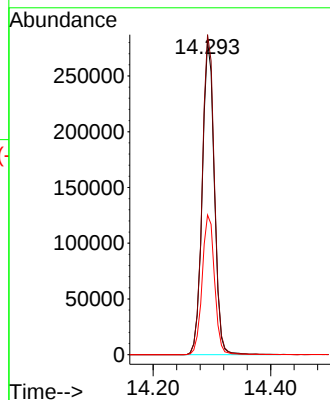
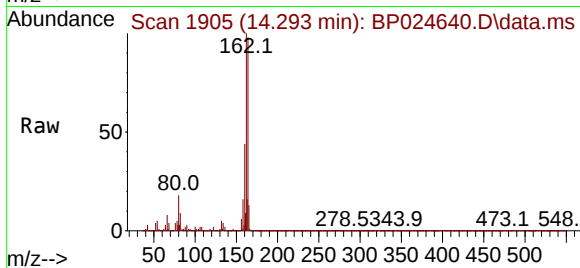
Tgt Ion:164 Resp: 400586

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.6

160 44.5 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 97.262 ng

RT: 15.810 min Scan# 2163

Delta R.T. 0.000 min

Lab File: BP024640.D

Acq: 15 May 2025 16:40

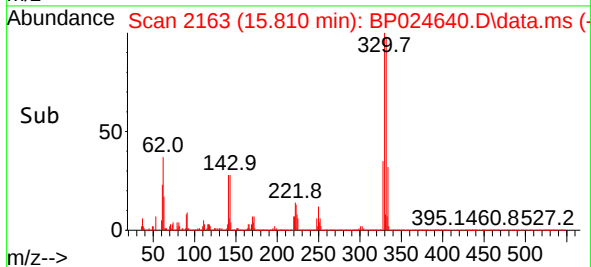
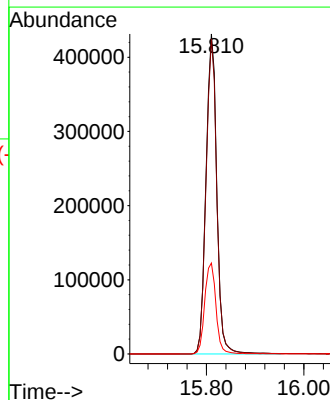
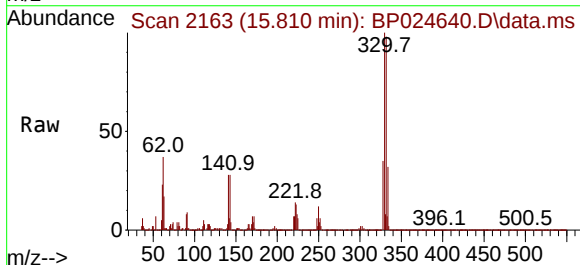
Tgt Ion:330 Resp: 660516

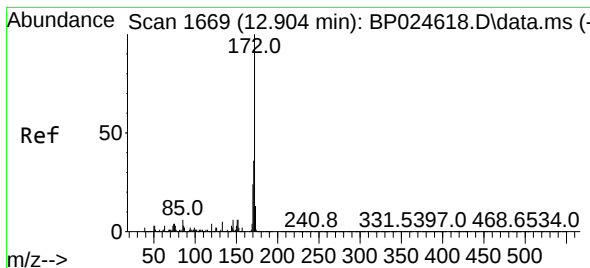
Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.4

141 29.8 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 56.825 ng

RT: 12.904 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024640.D

Acq: 15 May 2025 16:40

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-33-050725

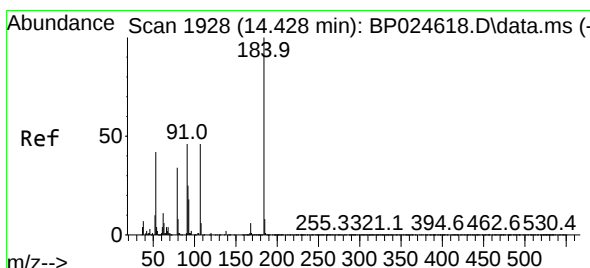
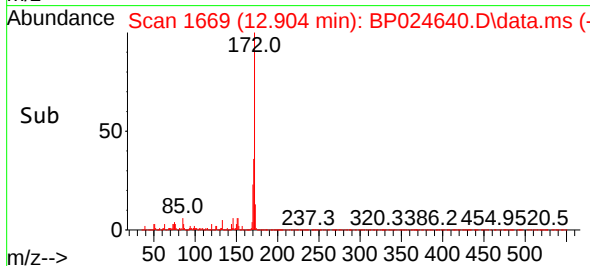
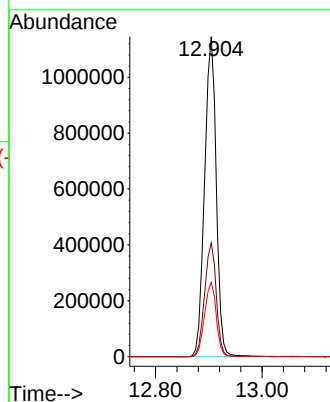
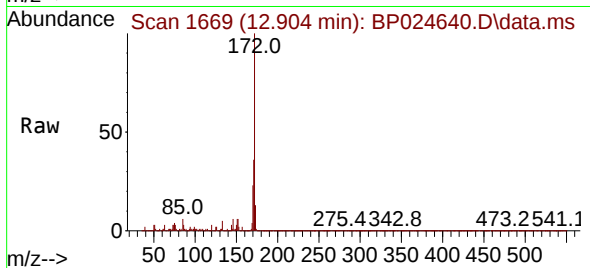
Tgt Ion:172 Resp: 1737500

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.2 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.423 ng

RT: 14.469 min Scan# 1935

Delta R.T. 0.041 min

Lab File: BP024640.D

Acq: 15 May 2025 16:40

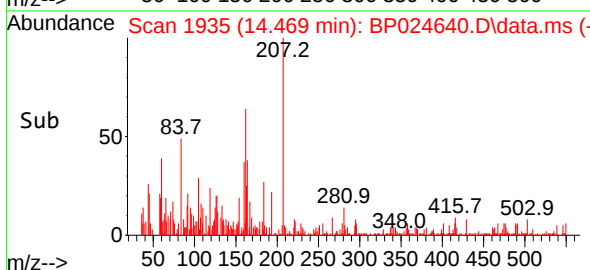
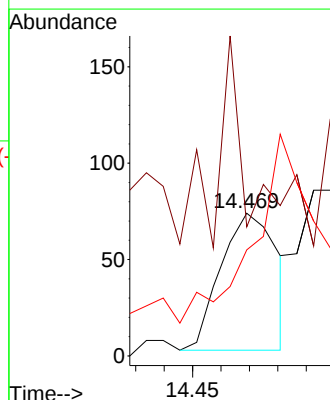
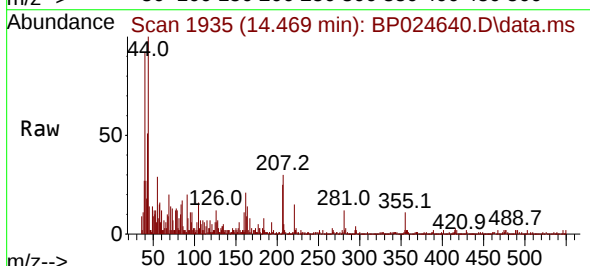
Tgt Ion:184 Resp: 98

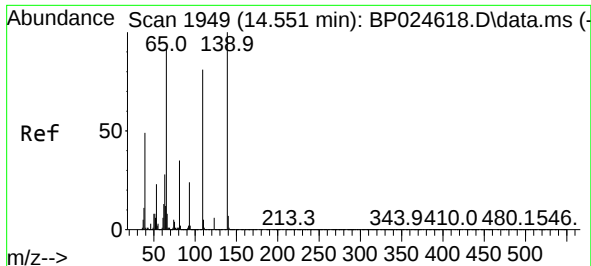
Ion Ratio Lower Upper

184 100

63 76.1 51.3 76.9

154 62.5 53.5 80.3

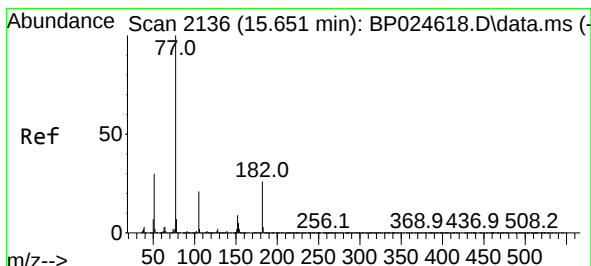
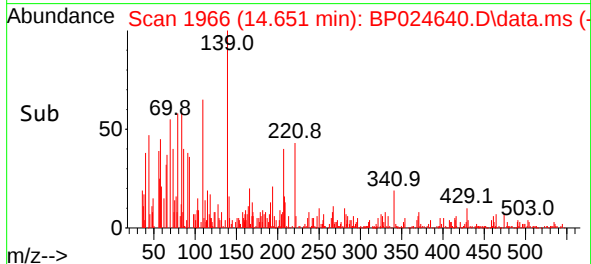
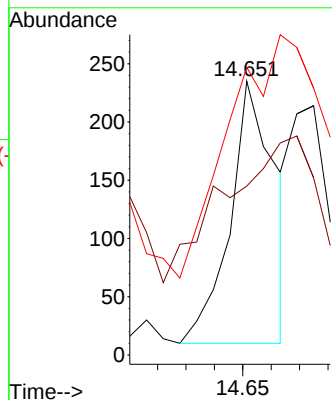
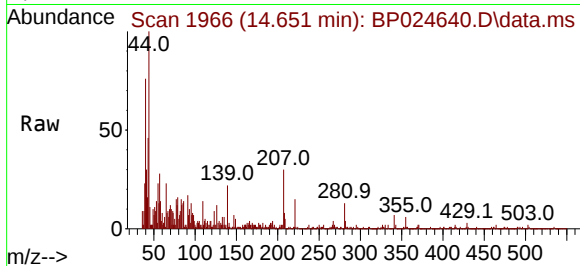




#56
4-Nitrophenol
Concen: 4.275 ng
RT: 14.651 min Scan# 1949
Delta R.T. 0.100 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

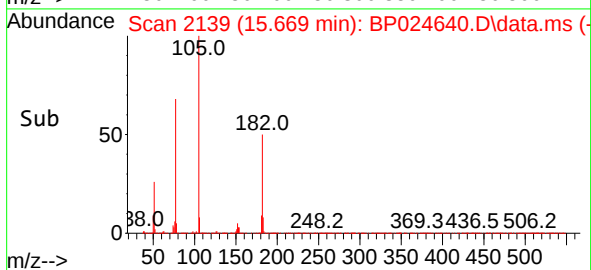
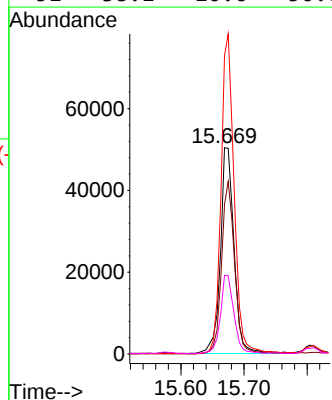
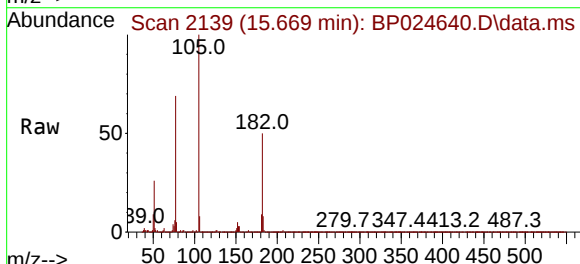
Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-33-050725

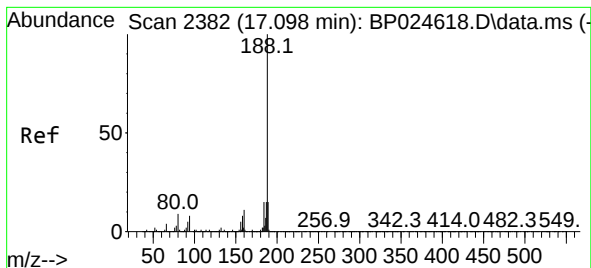
Tgt Ion:139 Resp: 247
Ion Ratio Lower Upper
139 100
109 61.7 61.4 101.4
65 105.1 72.2 112.2



#63
Azobenzene
Concen: 2.878 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.018 min
Lab File: BP024640.D
Acq: 15 May 2025 16:40

Tgt Ion: 77 Resp: 75986
Ion Ratio Lower Upper
77 100
182 72.4 5.7 45.7#
105 144.6 1.3 41.3#
51 38.1 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: BP024640.D

Acq: 15 May 2025 16:40

Instrument :

BNA_P

ClientSampleId :

OU4-PCS-TC-33-050725

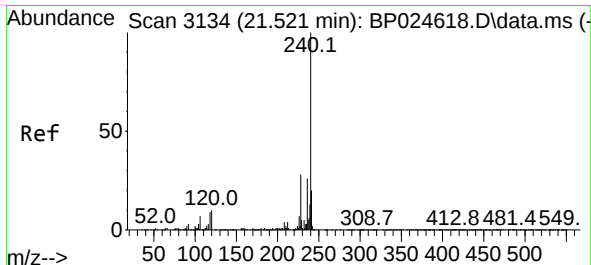
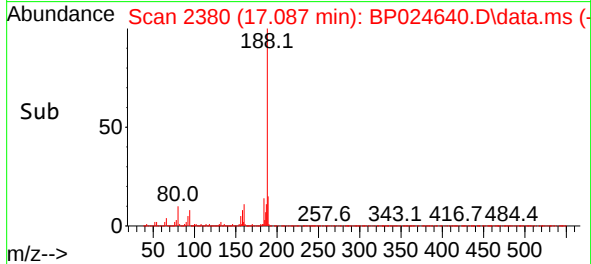
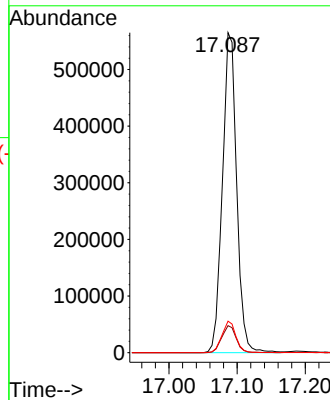
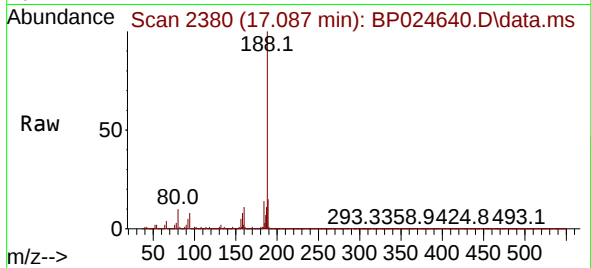
Tgt Ion:188 Resp: 820674

Ion Ratio Lower Upper

188 100

94 8.4 6.5 9.7

80 9.9 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.522 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP024640.D

Acq: 15 May 2025 16:40

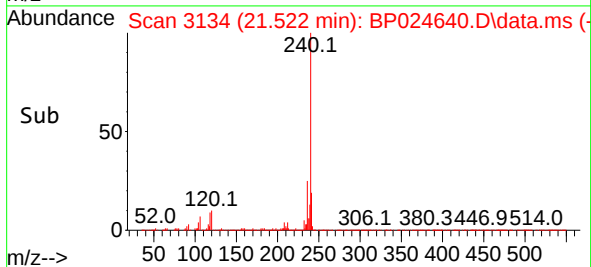
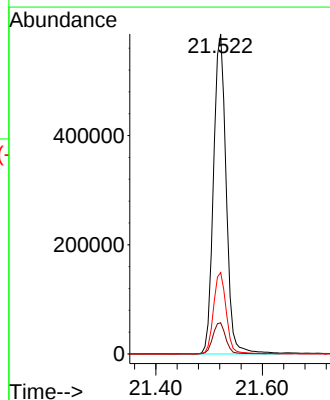
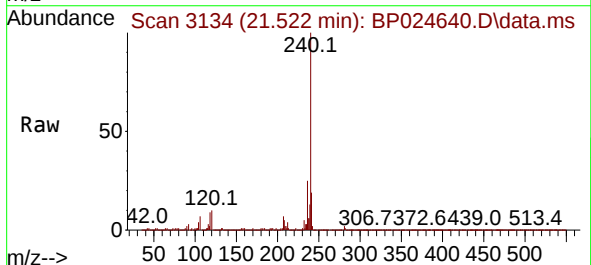
Tgt Ion:240 Resp: 966886

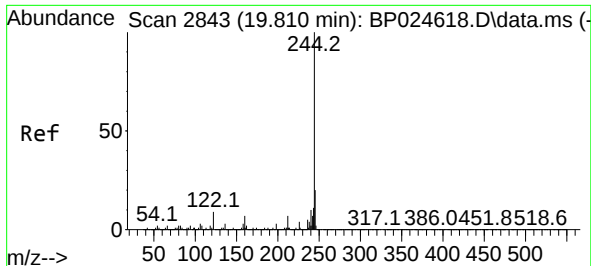
Ion Ratio Lower Upper

240 100

120 9.7 7.8 11.6

236 25.5 20.6 31.0

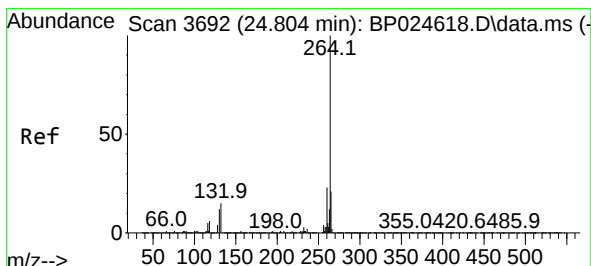
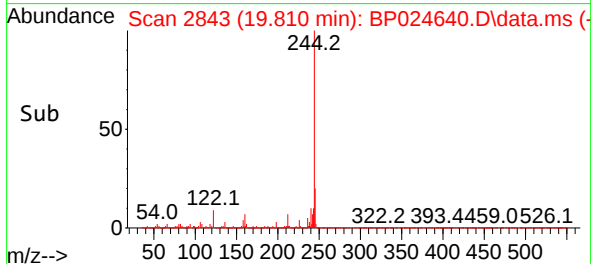
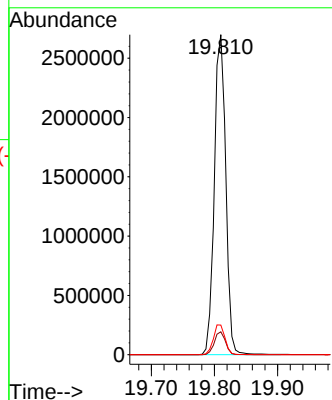
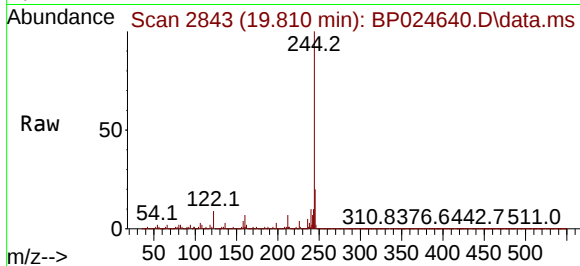




#79
 Terphenyl-d14
 Concen: 60.150 ng
 RT: 19.810 min Scan# 2843
 Delta R.T. 0.000 min
 Lab File: BP024640.D
 Acq: 15 May 2025 16:40

Instrument :
 BNA_P
 ClientSampleId :
 OU4-PCS-TC-33-050725

Tgt Ion:244 Resp: 3391751
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 9.3 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.804 min Scan# 3692
 Delta R.T. 0.000 min
 Lab File: BP024640.D
 Acq: 15 May 2025 16:40

Tgt Ion:264 Resp: 1054497
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.6 17.0 25.6

