

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024645.D
 Acq On : 15 May 2025 20:04
 Operator : RC/JU
 Sample : Q1984-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-27-050725

Quant Time: May 16 01:17:53 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)

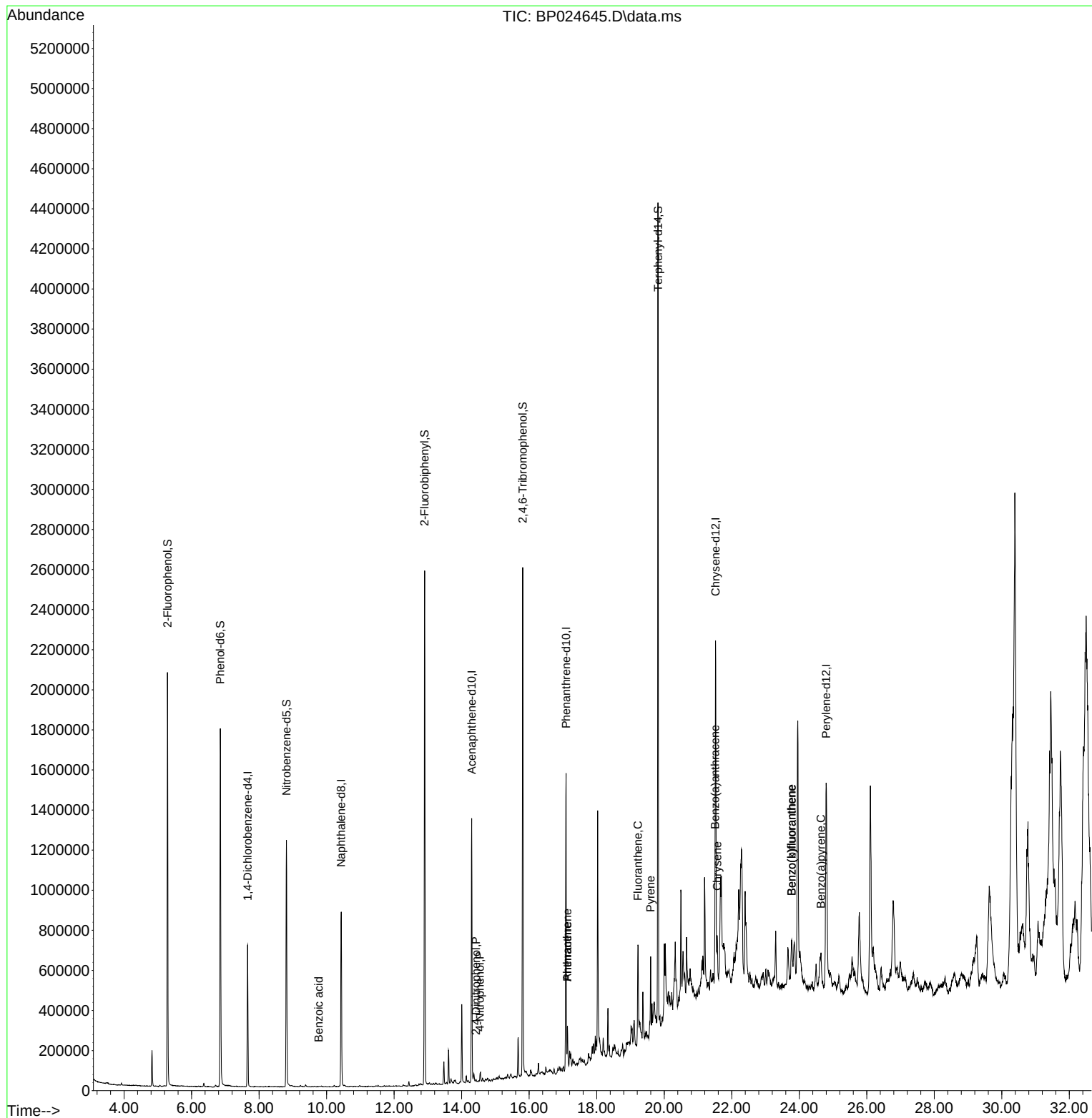
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	191006	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	745950	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	449224	20.000	ng	0.00
64) Phenanthrene-d10	17.092	188	846872	20.000	ng	0.00
76) Chrysene-d12	21.521	240	939807	20.000	ng	0.00
86) Perylene-d12	24.797	264	1134836	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	901449	80.721	ng	0.00
7) Phenol-d6	6.851	99	1072017	75.214	ng	0.00
23) Nitrobenzene-d5	8.810	82	716222	48.513	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	560459	73.593	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1399760	40.823	ng	0.00
79) Terphenyl-d14	19.815	244	1916783	34.972	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.769	122	416	7.513	ng	# 51
54) 2,4-Dinitrophenol	14.427	184	12	6.403	ng	# 1
56) 4-Nitrophenol	14.539	139	69	4.244	ng	# 1
71) Phenanthrene	17.133	178	129320	2.747	ng	99
72) Anthracene	17.133	178	129320	2.730	ng	99
75) Fluoranthene	19.221	202	294514	5.352	ng	98
78) Pyrene	19.598	202	235873	4.189	ng	99
81) Benzo(a)anthracene	21.504	228	129019	2.186	ng	92
83) Chrysene	21.568	228	132079	2.361	ng	97
88) Benzo(b)fluoranthene	23.774	252	211556	3.257	ng	# 94
89) Benzo(k)fluoranthene	23.774	252	211556	3.161	ng	# 94
90) Benzo(a)pyrene	24.645	252	127234	2.039	ng	# 92

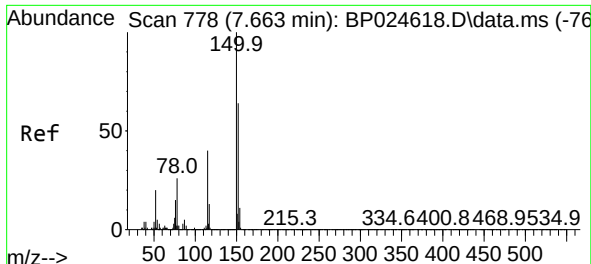
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
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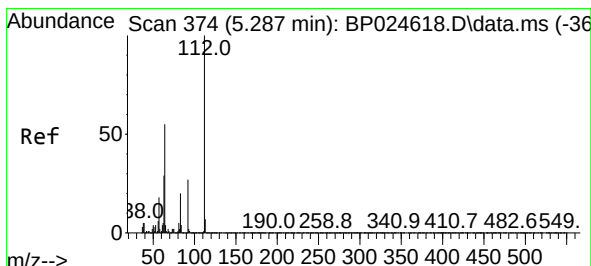
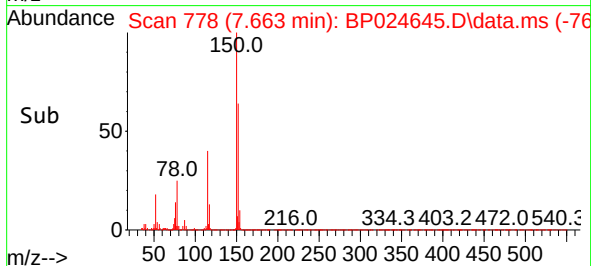
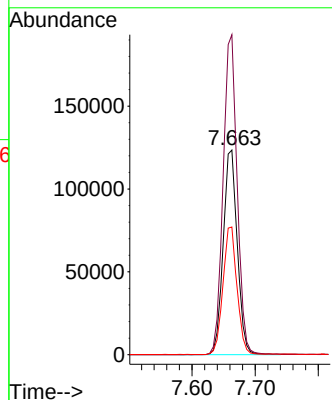
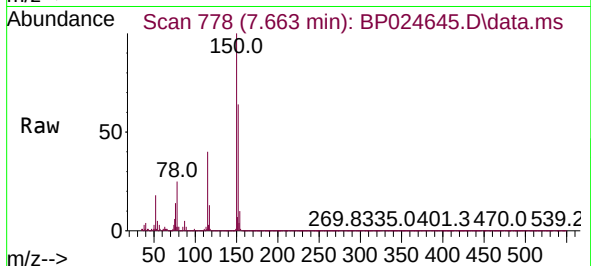




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

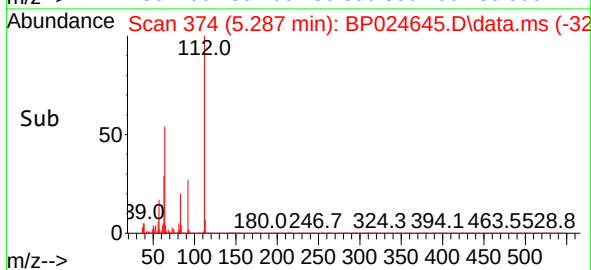
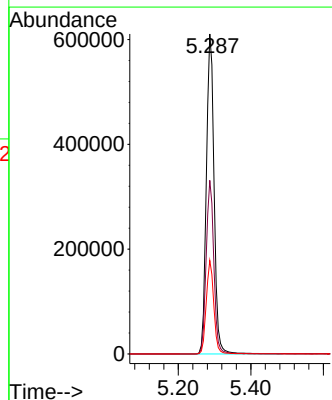
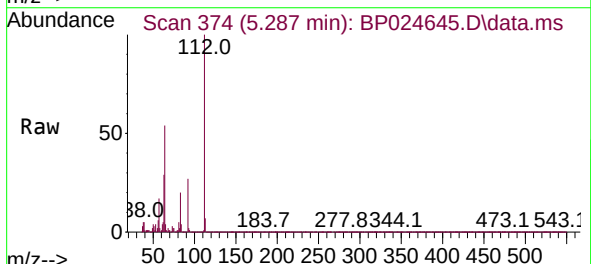
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

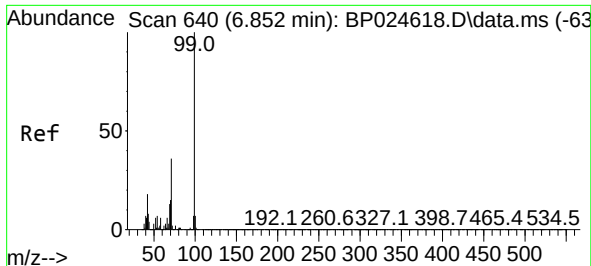
Tgt Ion:152 Resp: 191006
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 62.4 50.1 75.1



#5
2-Fluorophenol
Concen: 80.721 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:112 Resp: 901449
Ion Ratio Lower Upper
112 100
64 54.2 44.1 66.1
63 29.2 23.5 35.3



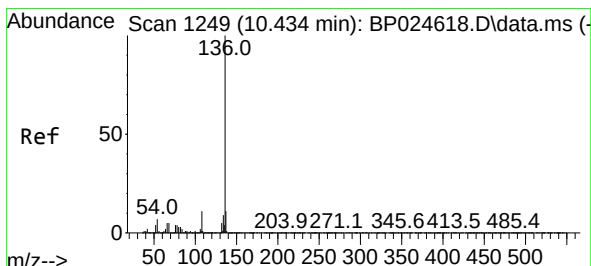
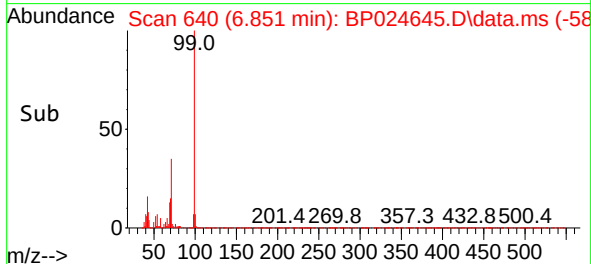
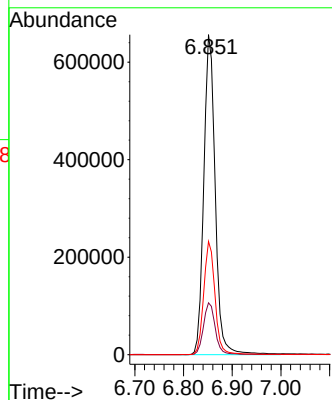
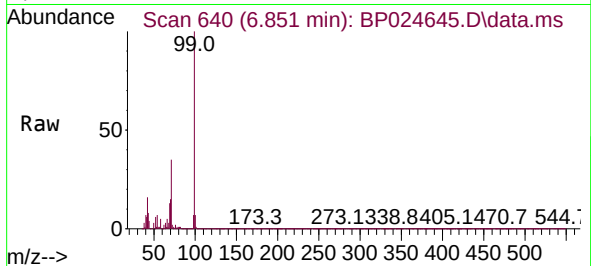


#7
Phenol-d6
Concen: 75.214 ng
RT: 6.851 min Scan# 640
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

Tgt Ion: 99 Resp: 1072017

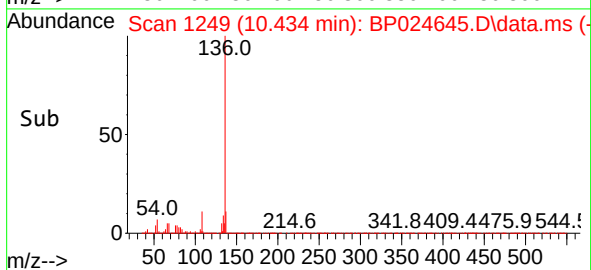
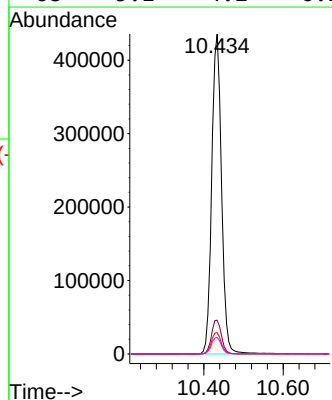
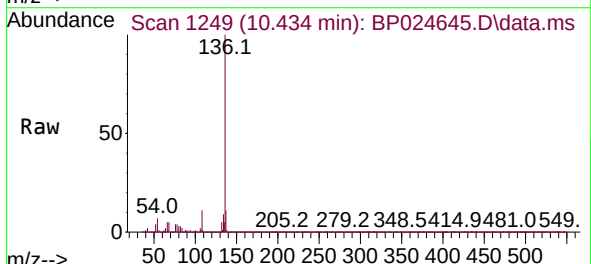
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.4	21.6
71	35.4	29.2	43.8

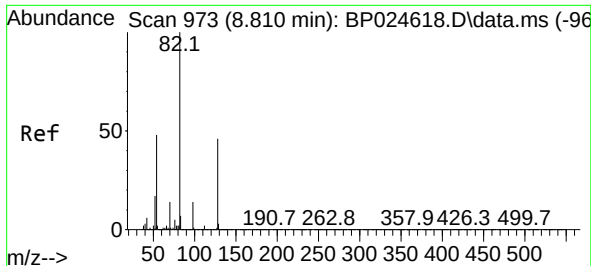


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion: 136 Resp: 745950

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.7	5.5	8.3
68	5.1	4.2	6.2

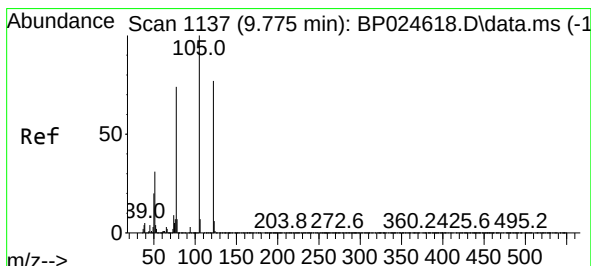
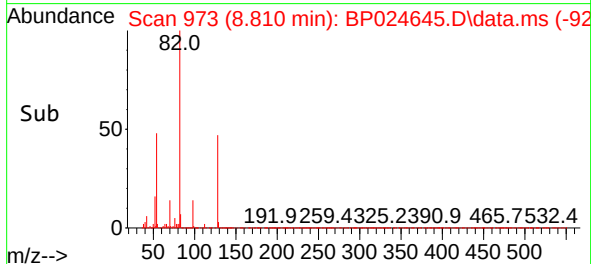
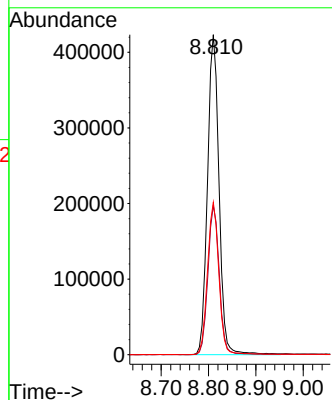
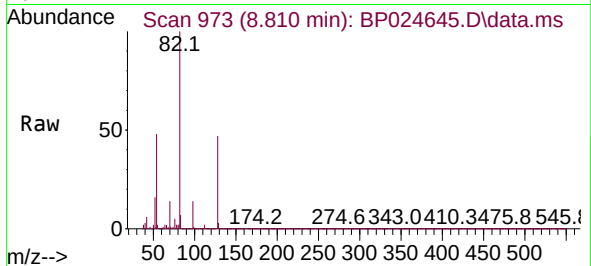




#23
Nitrobenzene-d5
Concen: 48.513 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

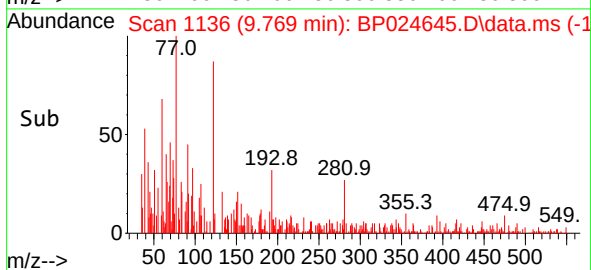
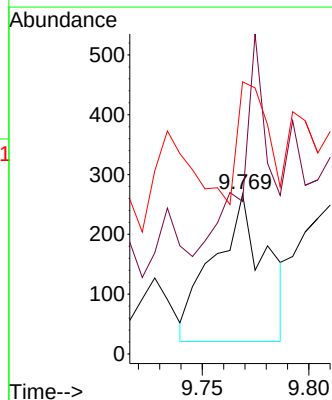
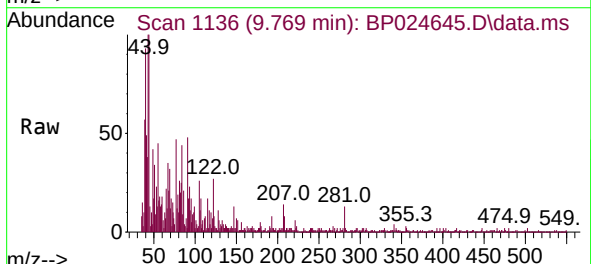
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

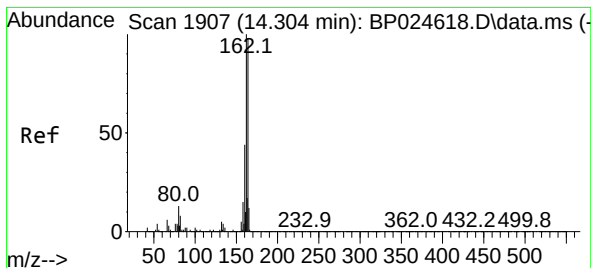
Tgt Ion: 82 Resp: 716222
Ion Ratio Lower Upper
82 100
128 46.6 37.0 55.4
54 47.6 38.7 58.1



#32
Benzoic acid
Concen: 7.513 ng
RT: 9.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:122 Resp: 416
Ion Ratio Lower Upper
122 100
105 95.5 106.9 146.9#
77 170.4 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.298 min Scan# 1906

Delta R.T. -0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

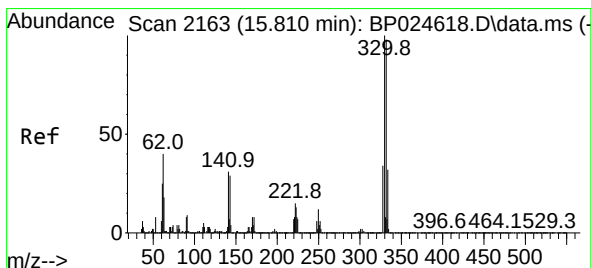
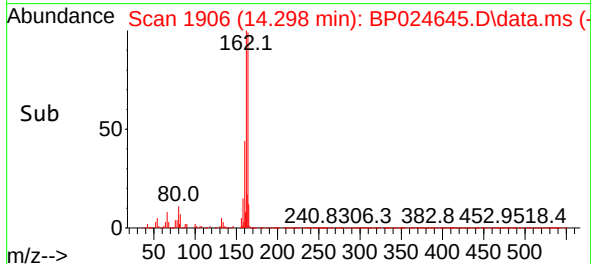
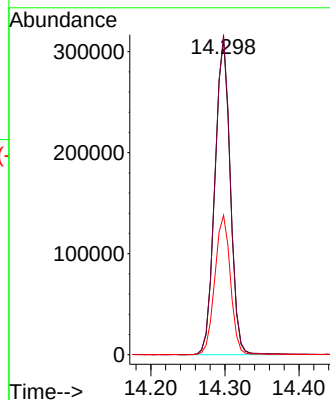
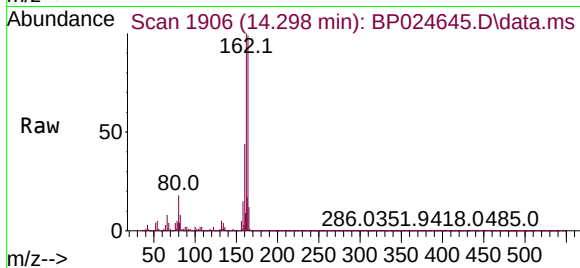
Tgt Ion:164 Resp: 449224

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

160 44.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 73.593 ng

RT: 15.810 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

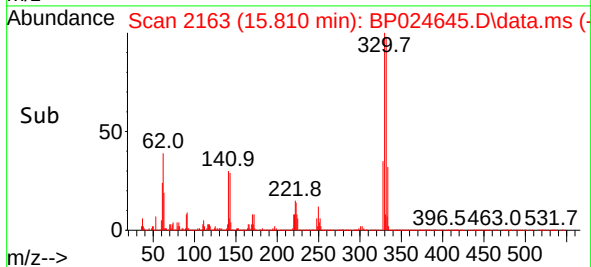
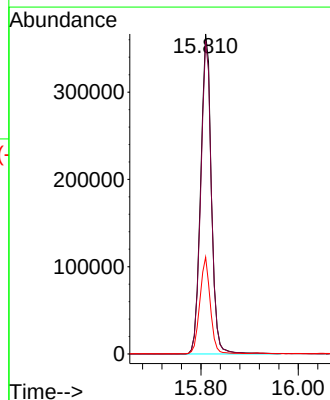
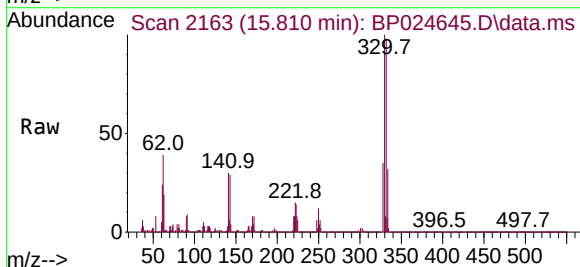
Tgt Ion:330 Resp: 560459

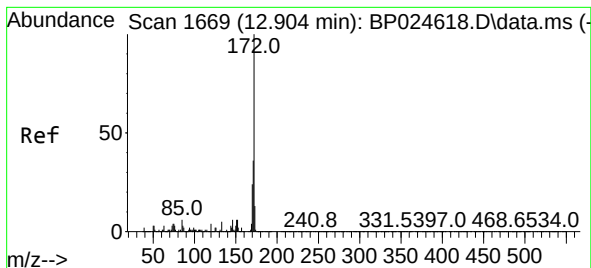
Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.4

141 29.4 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 40.823 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

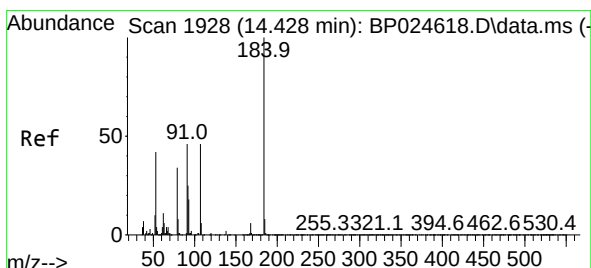
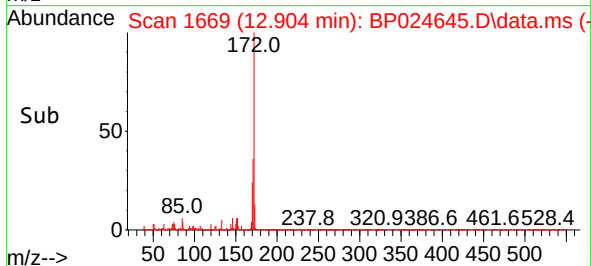
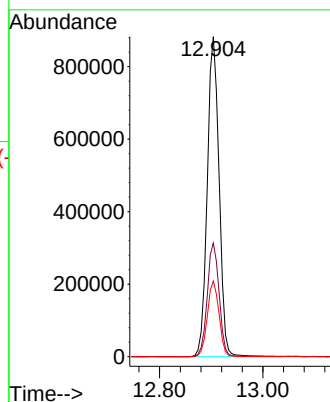
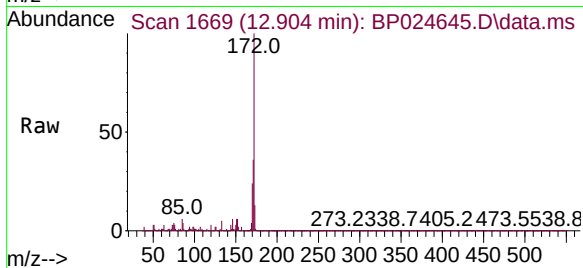
Tgt Ion:172 Resp: 1399760

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.6 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.403 ng

RT: 14.427 min Scan# 1928

Delta R.T. -0.001 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

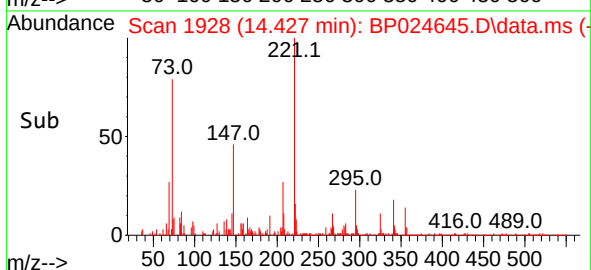
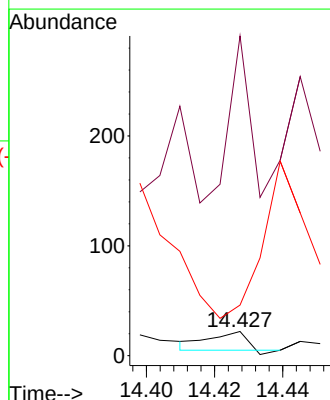
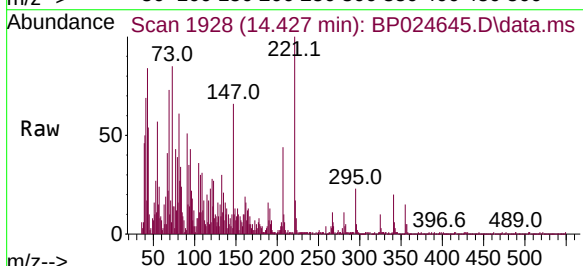
Tgt Ion:184 Resp: 12

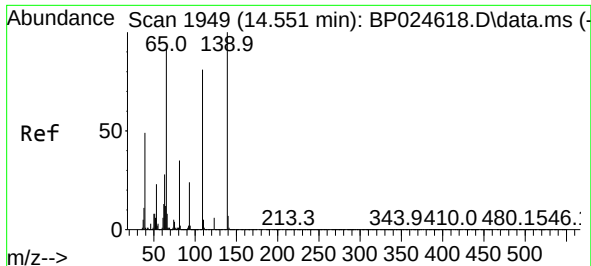
Ion Ratio Lower Upper

184 100

63 1322.7 51.3 76.9#

154 209.1 53.5 80.3#

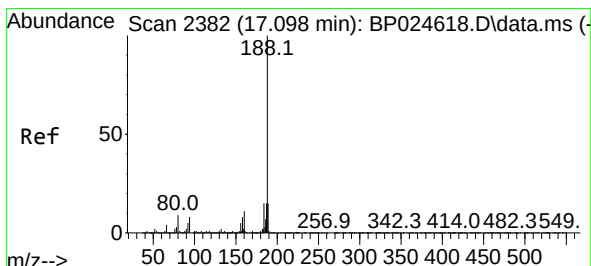
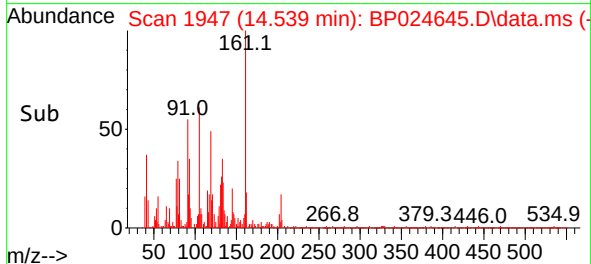
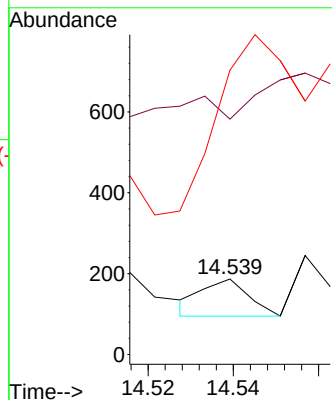
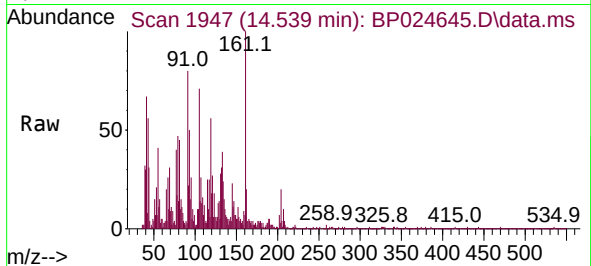




#56
4-Nitrophenol
Concen: 4.244 ng
RT: 14.539 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

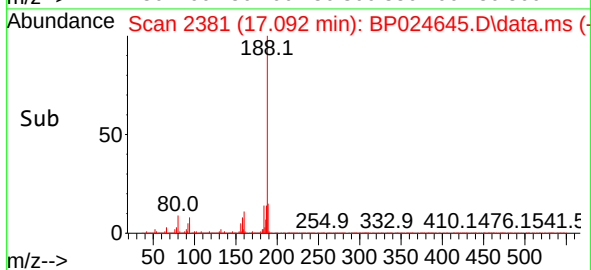
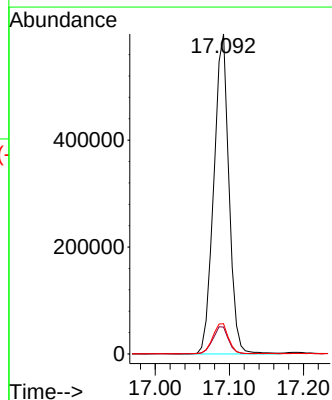
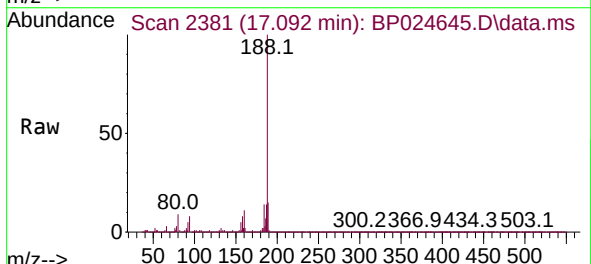
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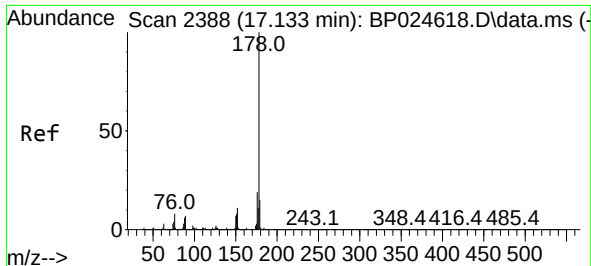
Tgt Ion:139 Resp: 69
Ion Ratio Lower Upper
139 100
109 311.2 61.4 101.4#
65 375.9 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:188 Resp: 846872
Ion Ratio Lower Upper
188 100
94 8.4 6.5 9.7
80 9.5 7.3 10.9

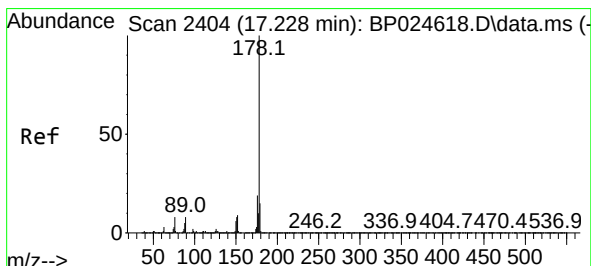
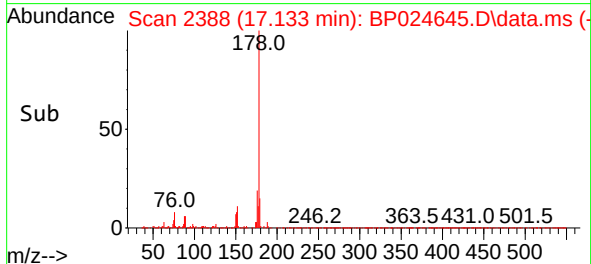
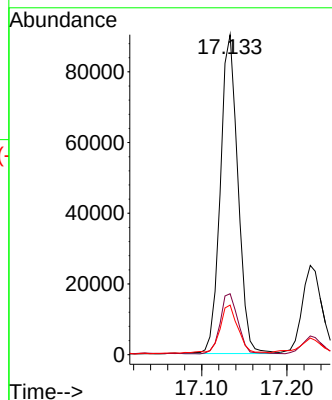
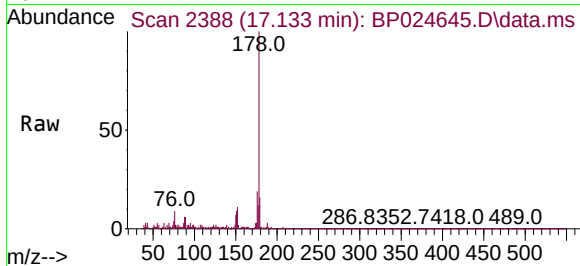




#71
Phenanthrene
Concen: 2.747 ng
RT: 17.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

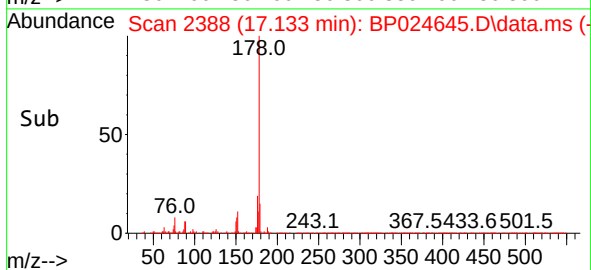
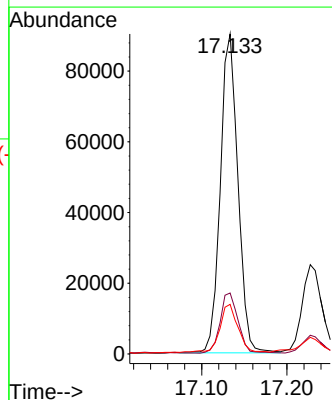
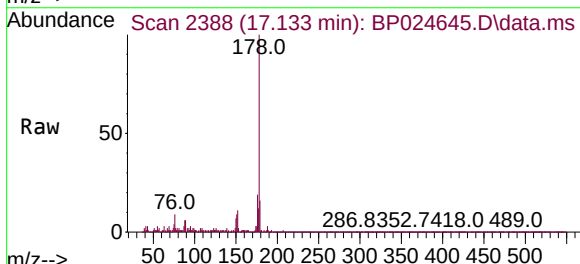
Instrument :
BNA_P
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OU4-TS-27-050725

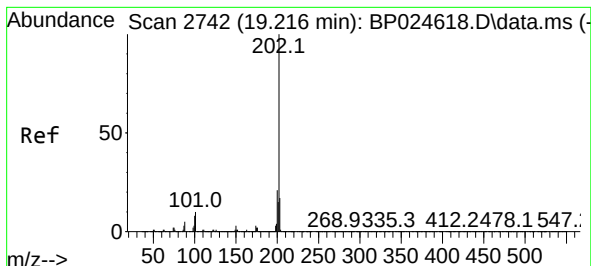
Tgt Ion:178 Resp: 129320
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.5 12.2 18.4



#72
Anthracene
Concen: 2.730 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.094 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:178 Resp: 129320
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 15.5 12.2 18.2





#75

Fluoranthene

Concen: 5.352 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

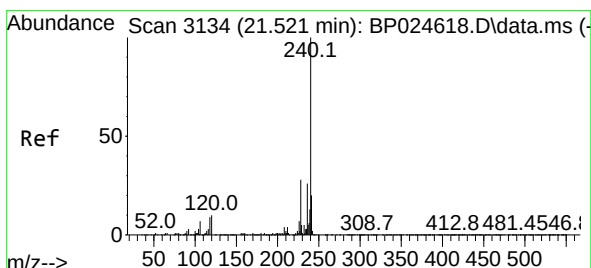
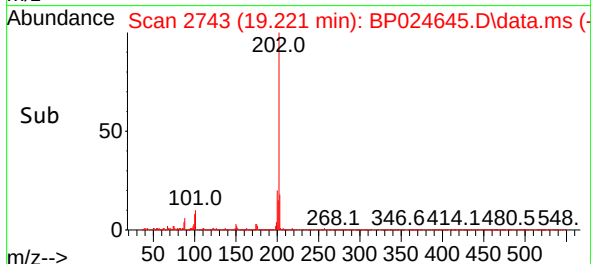
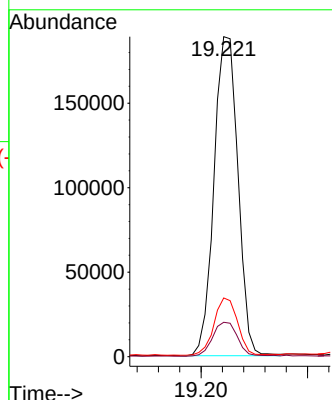
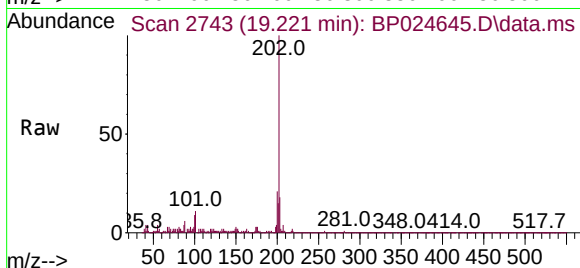
Tgt Ion:202 Resp: 294514

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

203 18.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3134

Delta R.T. -0.000 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

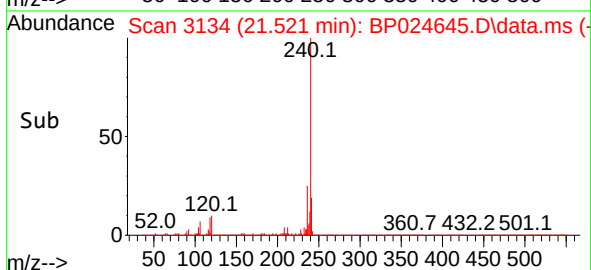
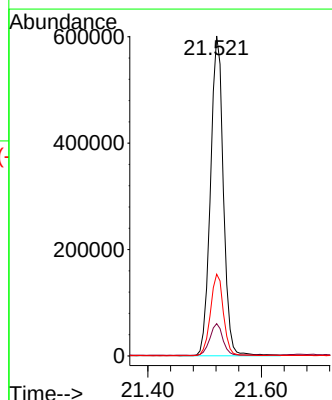
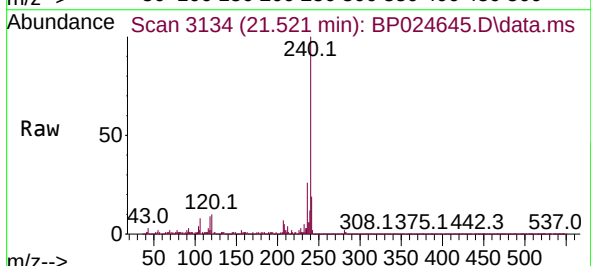
Tgt Ion:240 Resp: 939807

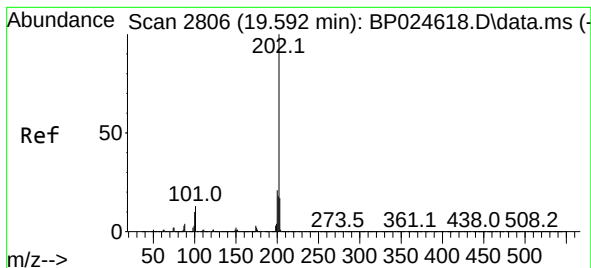
Ion Ratio Lower Upper

240 100

120 10.1 7.8 11.6

236 25.5 20.6 31.0





#78

Pyrene

Concen: 4.189 ng

RT: 19.598 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

Instrument :

BNA_P

ClientSampleId :

OU4-TS-27-050725

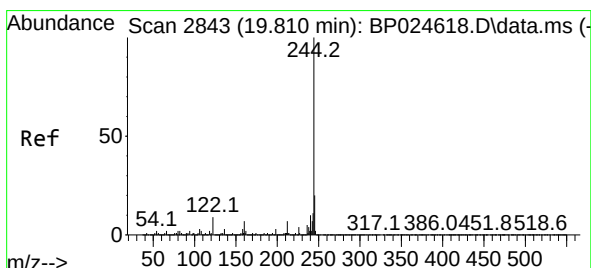
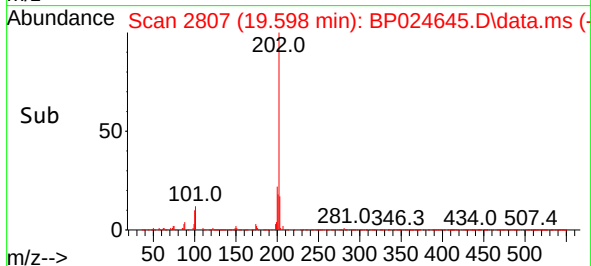
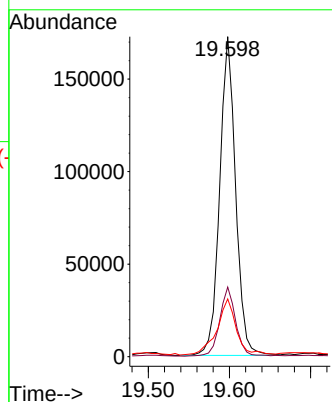
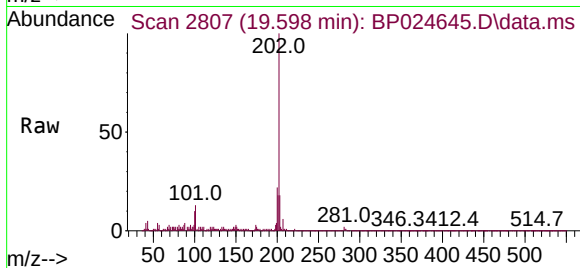
Tgt Ion:202 Resp: 235873

Ion	Ratio	Lower	Upper
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202	100		
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200	21.7	16.9	25.3
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203	18.1	13.9	20.9
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#79

Terphenyl-d14

Concen: 34.972 ng

RT: 19.815 min Scan# 2844

Delta R.T. 0.006 min

Lab File: BP024645.D

Acq: 15 May 2025 20:04

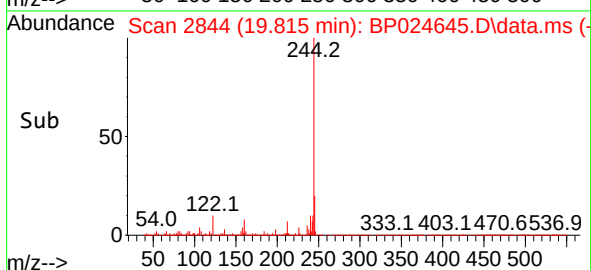
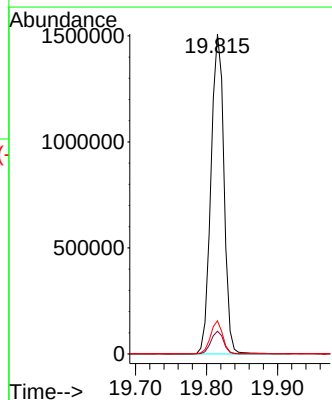
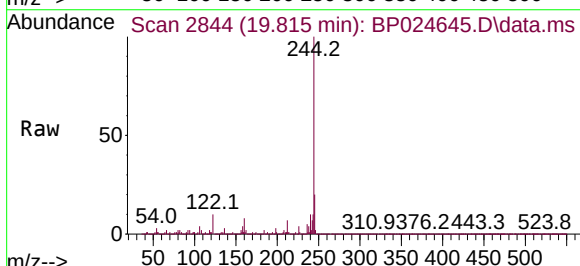
Tgt Ion:244 Resp: 1916783

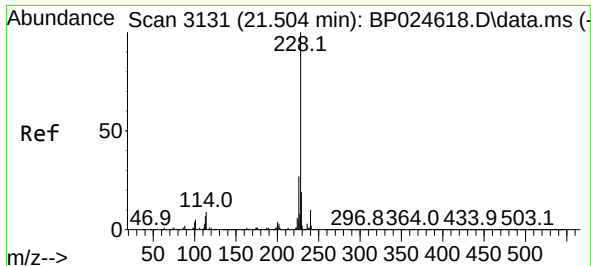
Ion	Ratio	Lower	Upper
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244	100		
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212	7.1	5.5	8.3
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122	10.4	7.4	11.0
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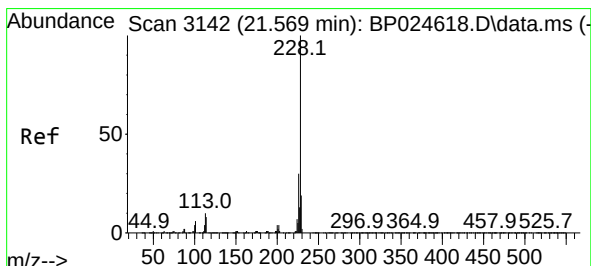
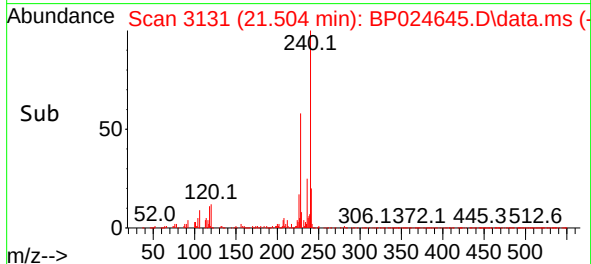
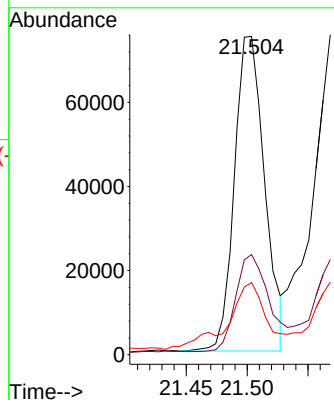
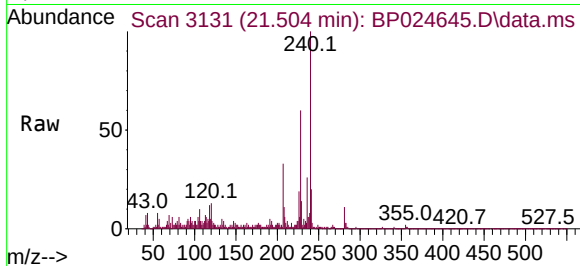




#81
Benzo(a)anthracene
Concen: 2.186 ng
RT: 21.504 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

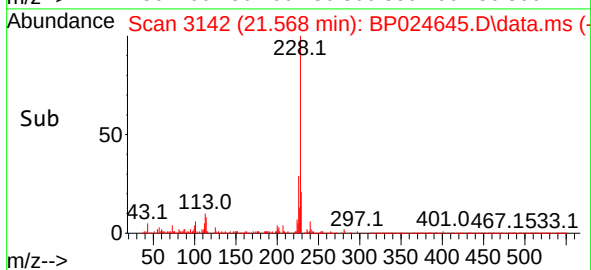
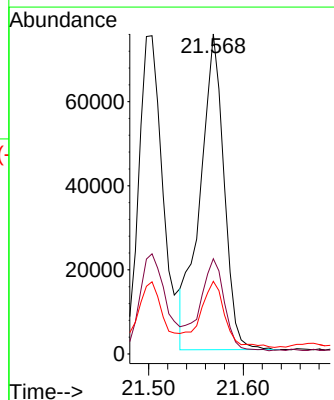
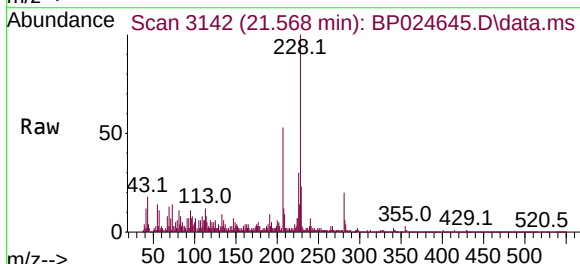
Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

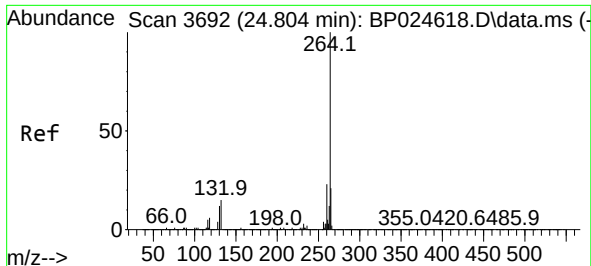
Tgt Ion:228 Resp: 129019
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.0
229 22.7 15.5 23.3



#83
Chrysene
Concen: 2.361 ng
RT: 21.568 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:228 Resp: 132079
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.7 15.5 23.3



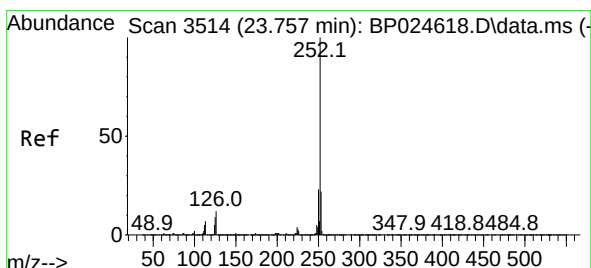
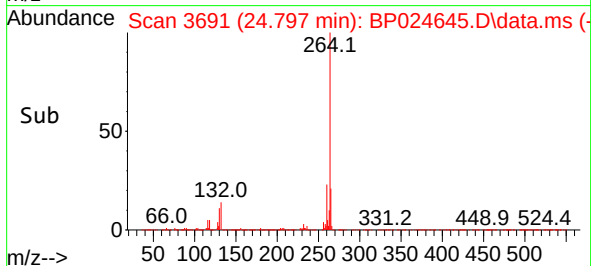
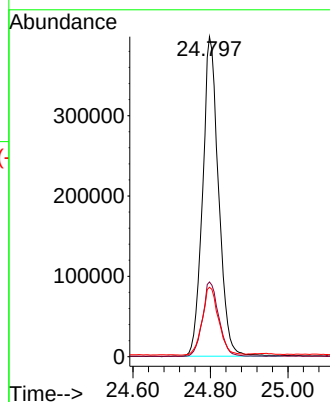
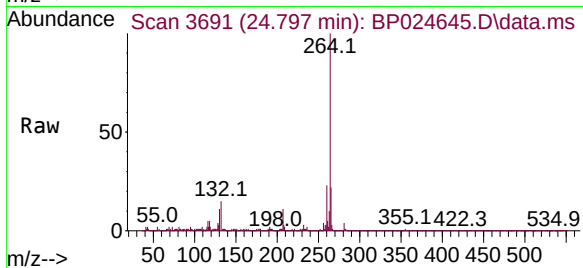


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.797 min Scan# 301
Delta R.T. -0.006 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

Tgt Ion:264 Resp: 1134836

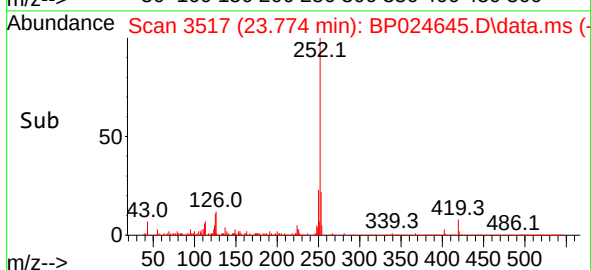
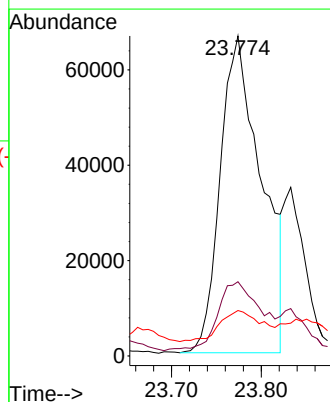
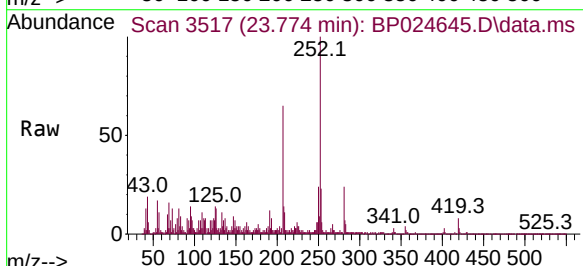
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.7	17.0	25.6

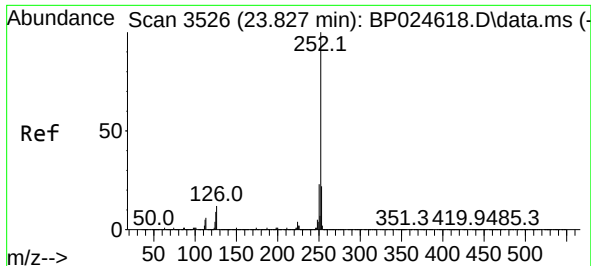


#88
Benzo(b)fluoranthene
Concen: 3.257 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.017 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:252 Resp: 211556

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	14.2	7.5	11.3

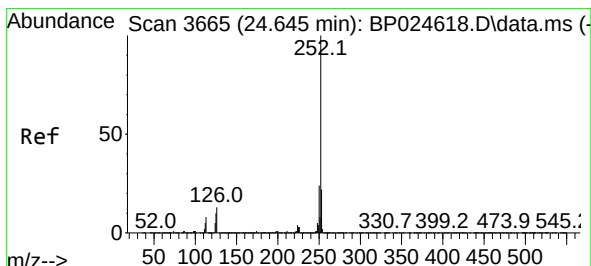
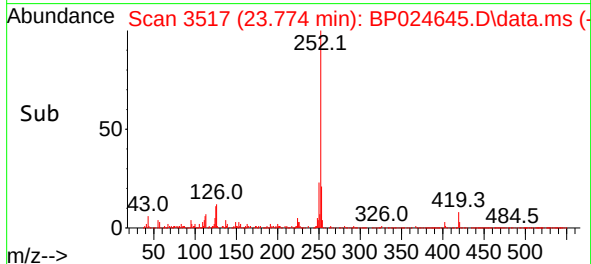
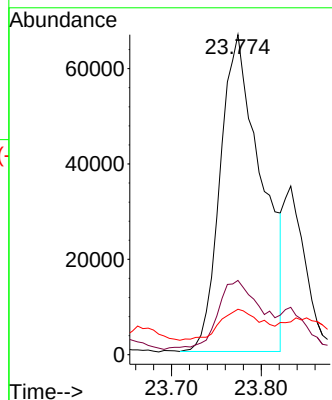
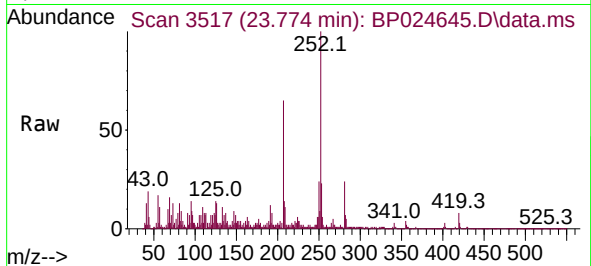




#89
Benzo(k)fluoranthene
Concen: 3.161 ng
RT: 23.774 min Scan# 3517
Delta R.T. -0.053 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Instrument :
BNA_P
ClientSampleId :
OU4-TS-27-050725

Tgt Ion:252 Resp: 211556
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 14.2 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 2.039 ng
RT: 24.645 min Scan# 3665
Delta R.T. -0.000 min
Lab File: BP024645.D
Acq: 15 May 2025 20:04

Tgt Ion:252 Resp: 127234
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 15.2 8.1 12.1#

