

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
 Data File : BP024984.D
 Acq On : 17 Jun 2025 20:50
 Operator : RC/JU
 Sample : Q2337-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-061625

Quant Time: Jun 18 01:12:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

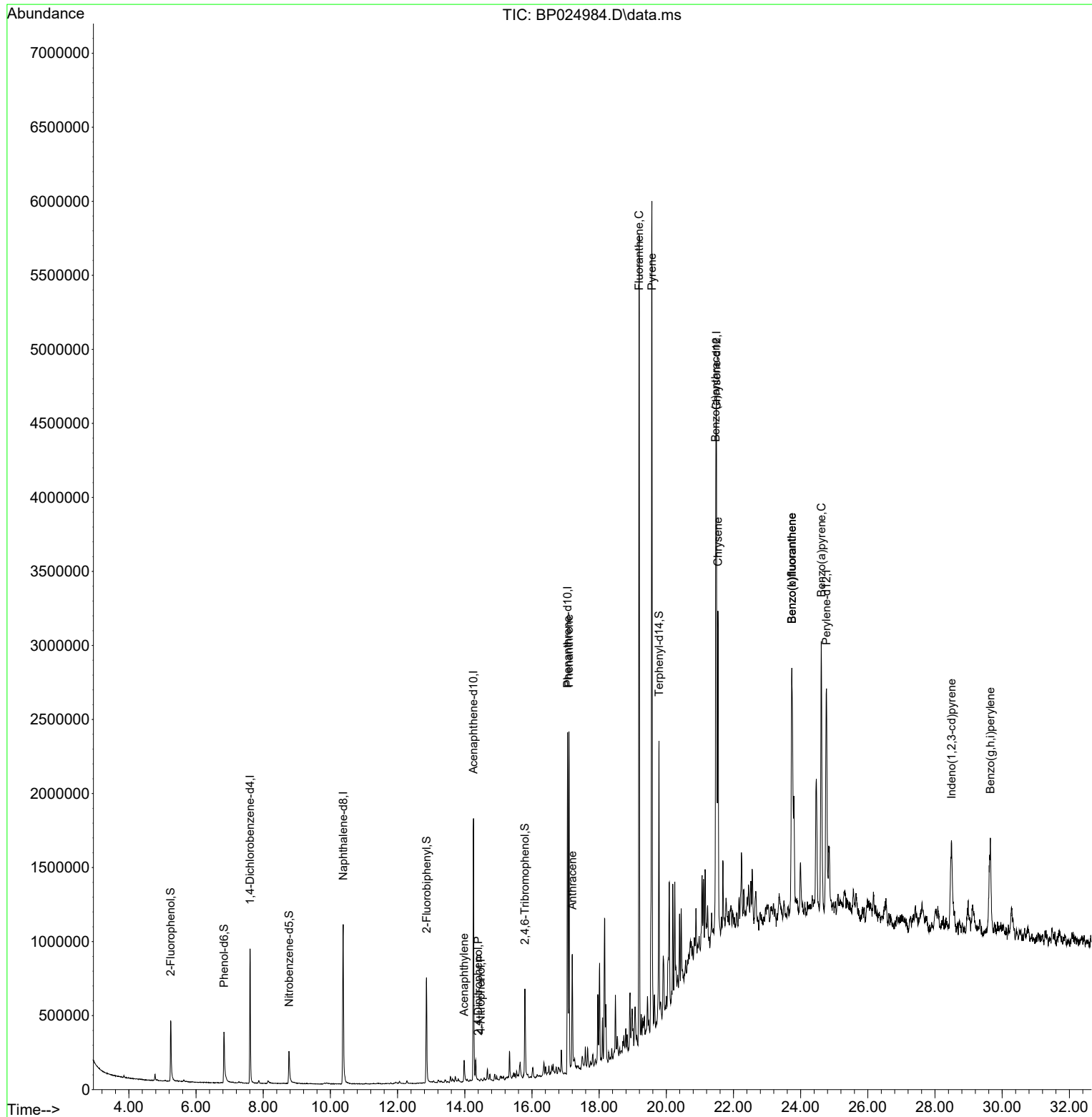
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	253050	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1030538	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	664448	20.000	ng	0.01
64) Phenanthrene-d10	17.060	188	1337390	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1419198	20.000	ng	0.01
86) Perylene-d12	24.765	264	1634653	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	249894	16.484	ng	0.00
7) Phenol-d6	6.831	99	318355	15.872	ng	0.02
23) Nitrobenzene-d5	8.766	82	199456	9.405	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	148449	16.160	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	468878	9.506	ng	0.00
79) Terphenyl-d14	19.783	244	831927	10.506	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	13.984	152	141294	2.283	ng	99
54) 2,4-Dinitrophenol	14.401	184	39	5.569	ng	# 1
56) 4-Nitrophenol	14.478	139	568	5.466	ng	# 72
71) Phenanthrene	17.101	178	1372998	18.578	ng	99
72) Anthracene	17.201	178	592140	7.911	ng	99
75) Fluoranthene	19.189	202	3308397	38.622	ng	99
78) Pyrene	19.572	202	3497946	39.452	ng	100
81) Benzo(a)anthracene	21.472	228	1784722	19.662	ng	99
83) Chrysene	21.536	228	1520362	17.677	ng	97
87) Indeno(1,2,3-cd)pyrene	28.495	276	1073146	8.998	ng	97
88) Benzo(b)fluoranthene	23.736	252	2065105	22.074	ng	# 97
89) Benzo(k)fluoranthene	23.736	252	2065105	21.686	ng	# 97
90) Benzo(a)pyrene	24.613	252	1689568	18.493	ng	98
92) Benzo(g,h,i)perylene	29.648	276	1100794	11.428	ng	97

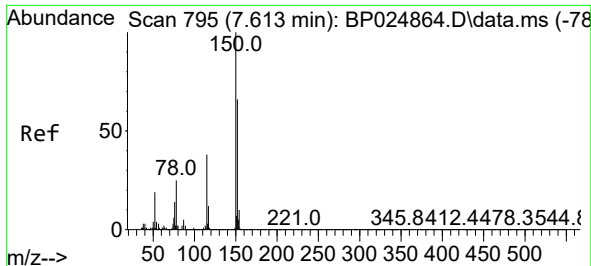
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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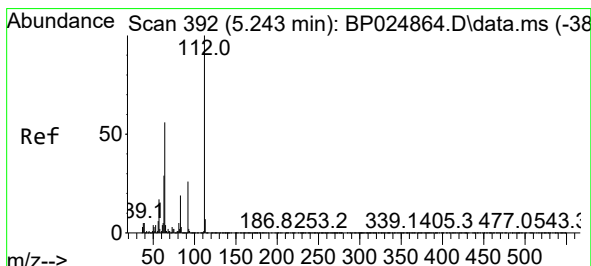
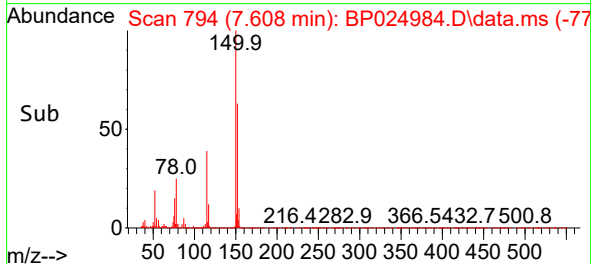
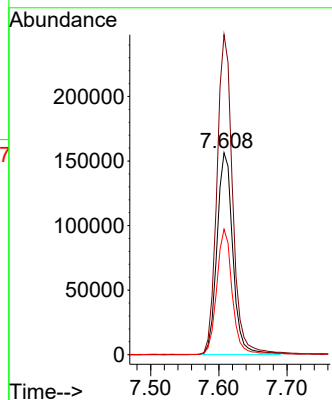
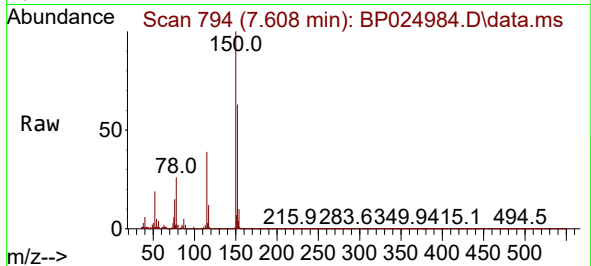




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

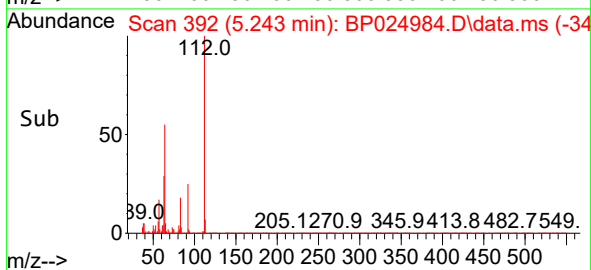
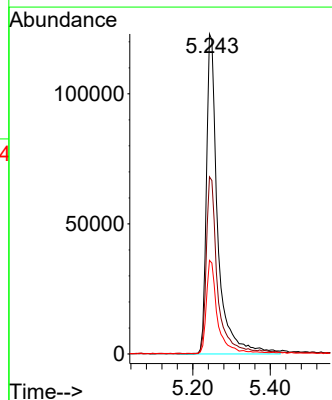
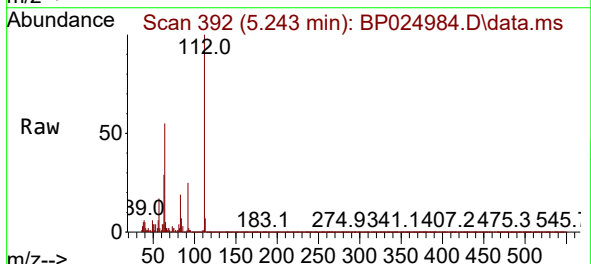
Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:152 Resp: 253050
Ion Ratio Lower Upper
152 100
150 158.5 122.1 183.1
115 62.1 46.4 69.6



#5
2-Fluorophenol
Concen: 16.484 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:112 Resp: 249894
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 29.2 23.5 35.3

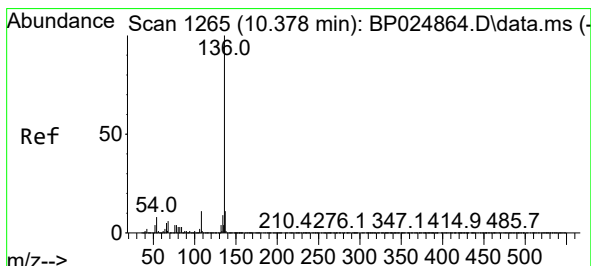
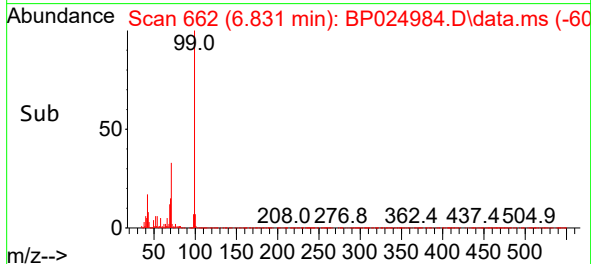
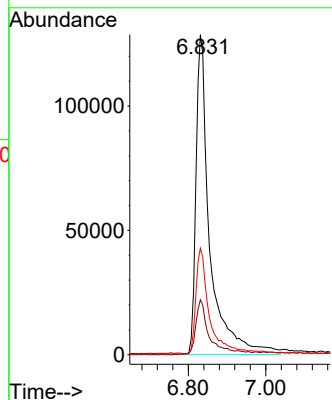
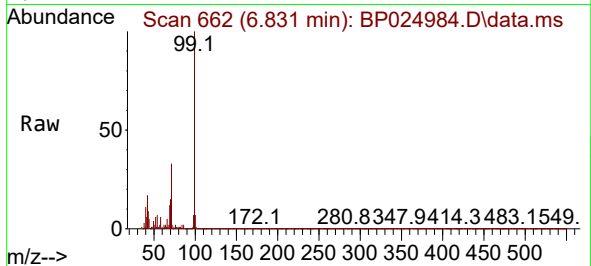




#7
Phenol-d6
Concen: 15.872 ng
RT: 6.831 min Scan# 60
Delta R.T. 0.018 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

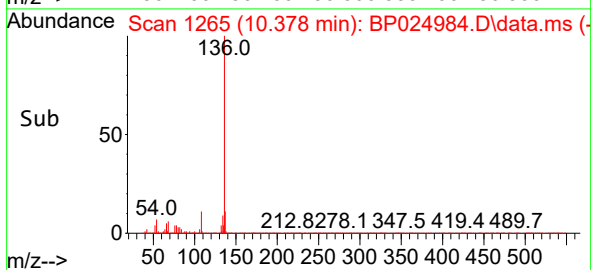
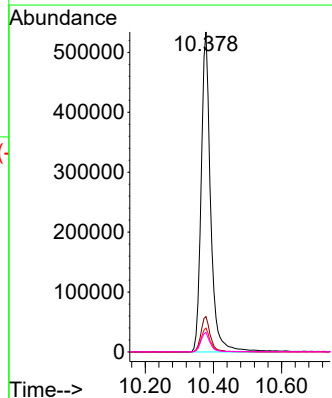
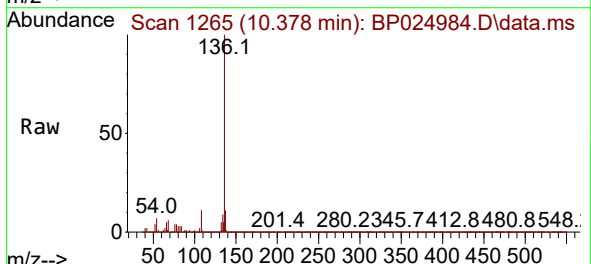
Instrument :
BNA_P
ClientSampleId :
OR-02-061625

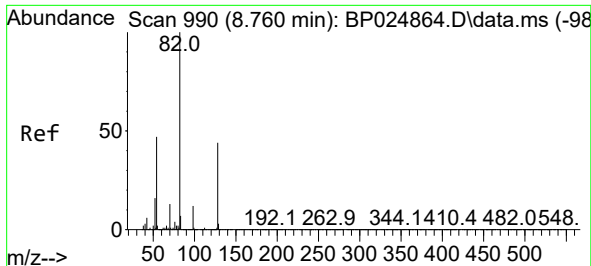
Tgt Ion: 99 Resp: 318355
Ion Ratio Lower Upper
99 100
42 17.1 13.4 20.2
71 33.3 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion: 136 Resp: 1030538
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 6.1 9.1
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 9.405 ng

RT: 8.766 min Scan# 991

Delta R.T. 0.006 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

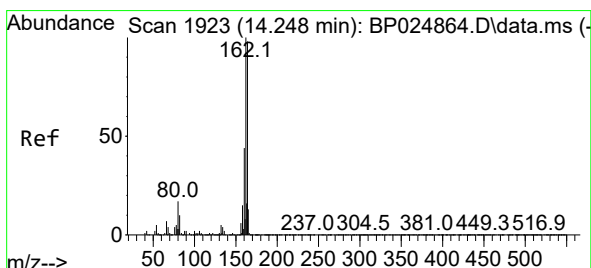
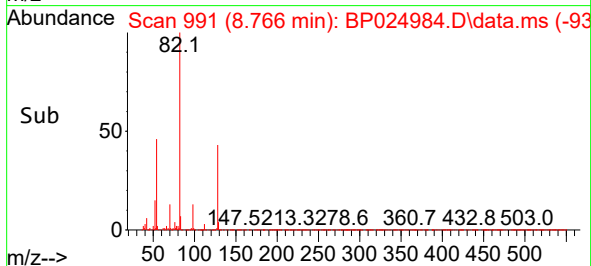
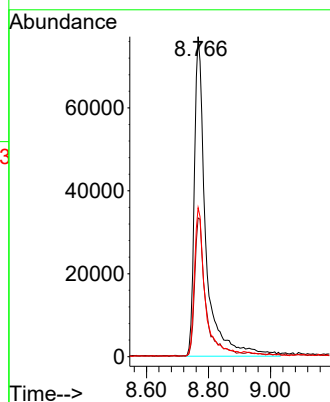
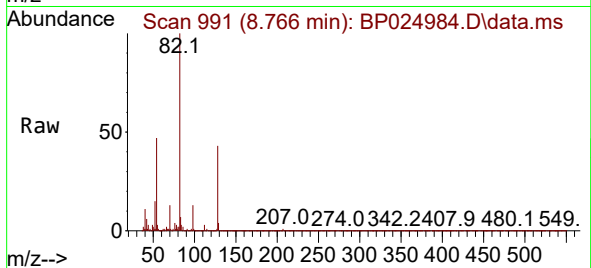
Tgt Ion: 82 Resp: 199456

Ion Ratio Lower Upper

82 100

128 43.4 35.3 52.9

54 46.6 37.4 56.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.260 min Scan# 1925

Delta R.T. 0.012 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

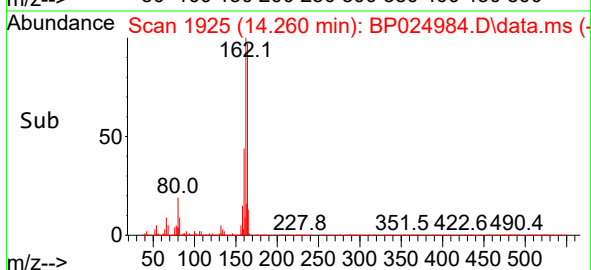
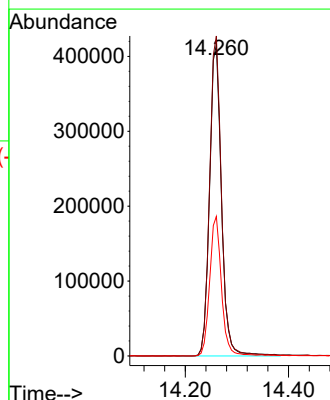
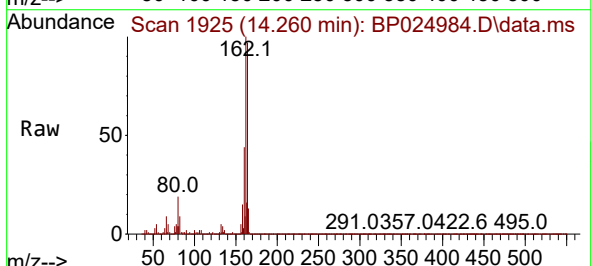
Tgt Ion:164 Resp: 664448

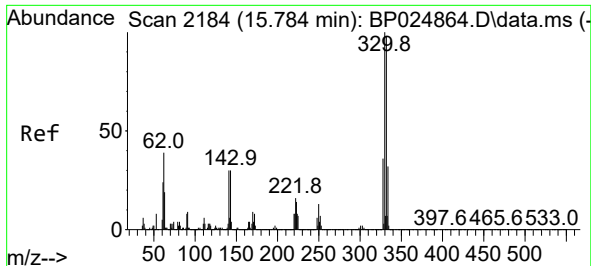
Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

160 44.8 36.2 54.2

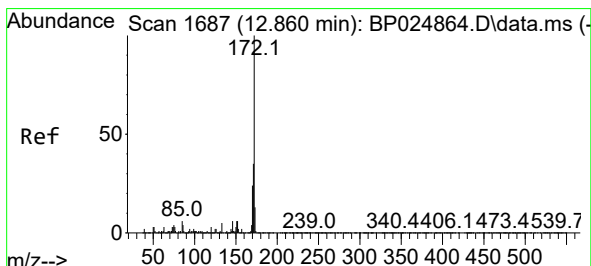
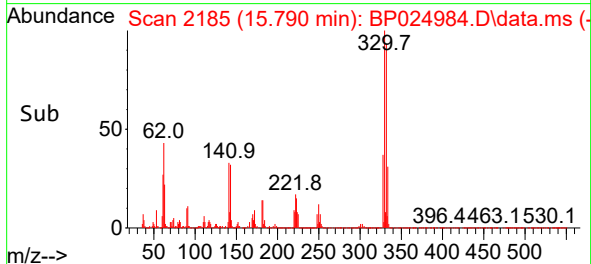
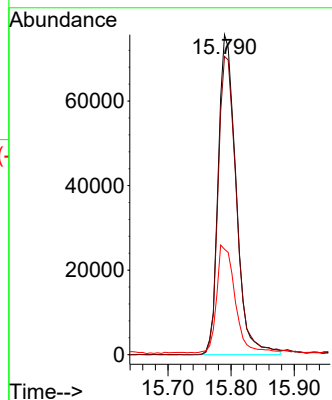
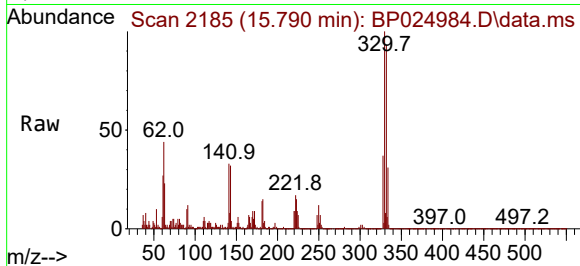




#42
2,4,6-Tribromophenol
Concen: 16.160 ng
RT: 15.790 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

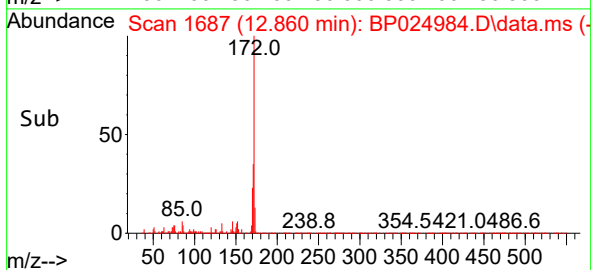
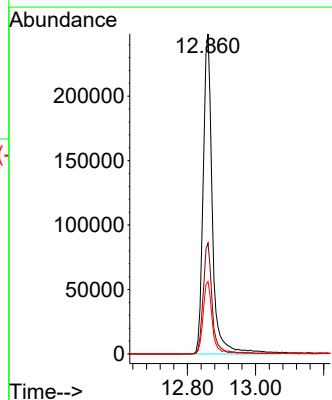
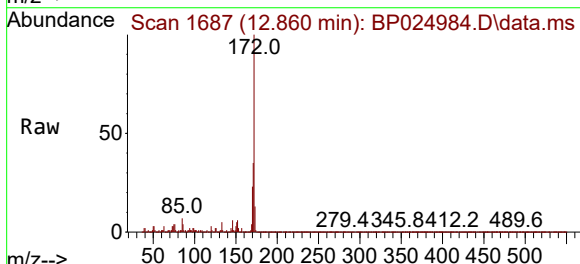
Instrument :
BNA_P
ClientSampleId :
OR-02-061625

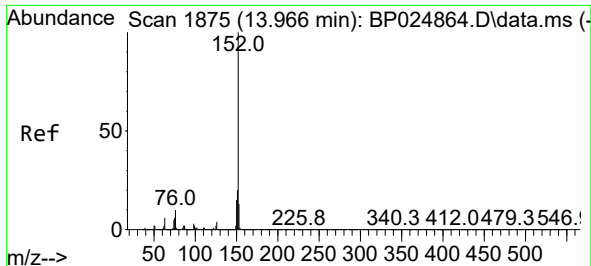
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.7	116.5
141	34.4	26.4	39.6



#45
2-Fluorobiphenyl
Concen: 9.506 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.3	42.5
170	22.6	19.0	28.4

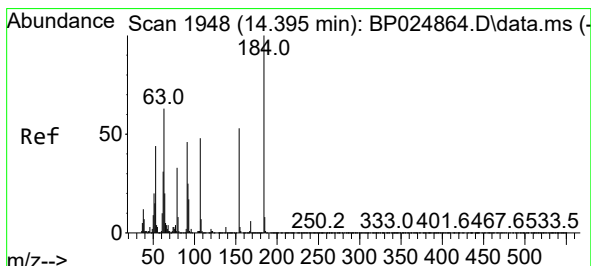
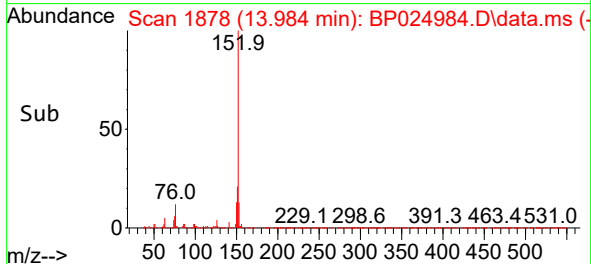
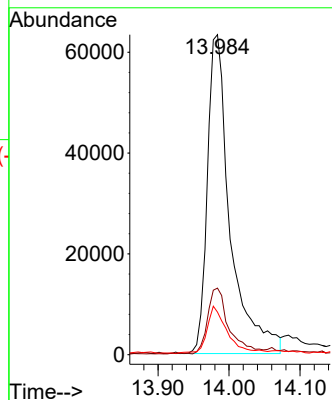
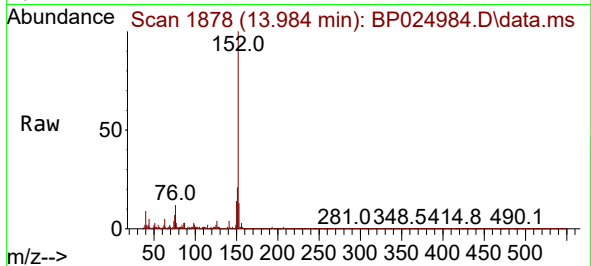




#49
Acenaphthylene
Concen: 2.283 ng
RT: 13.984 min Scan# 1878
Delta R.T. 0.018 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

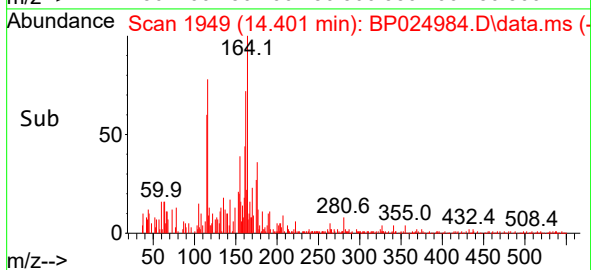
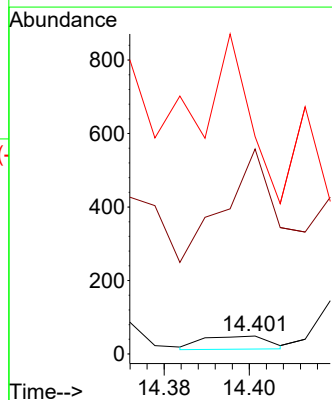
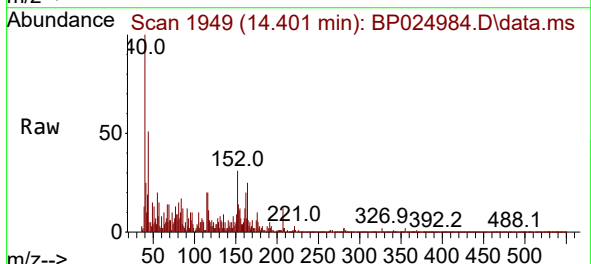
Instrument :
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OR-02-061625

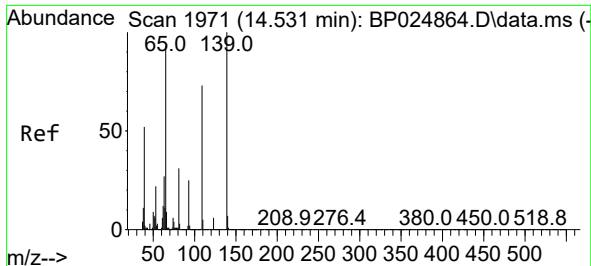
Tgt Ion:152 Resp: 141294
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 13.3 10.6 15.8



#54
2,4-Dinitrophenol
Concen: 5.569 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:184 Resp: 39
Ion Ratio Lower Upper
184 100
63 1573.5 51.0 76.4#
154 1208.2 51.7 77.5#

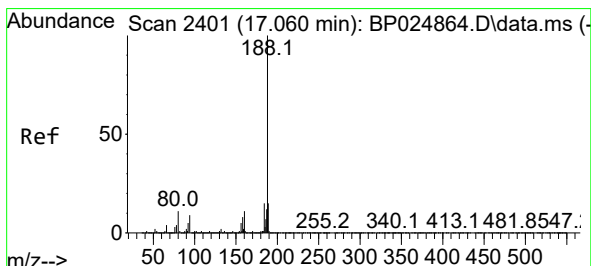
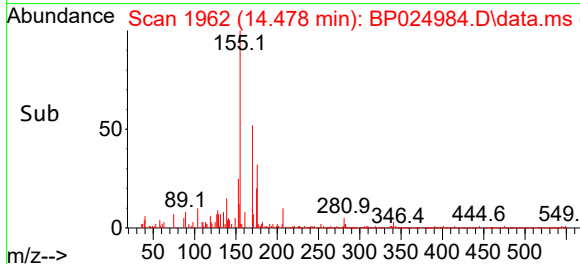
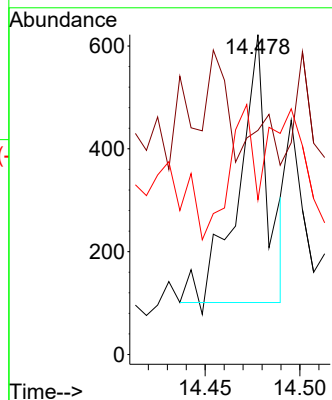
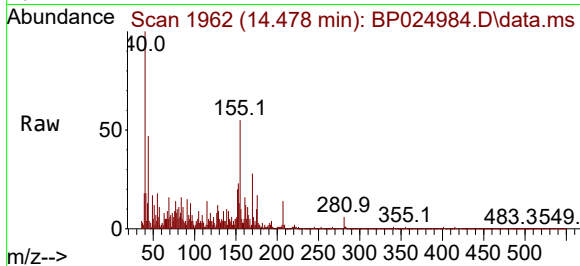




#56
4-Nitrophenol
Concen: 5.466 ng
RT: 14.478 min Scan# 1971
Delta R.T. -0.053 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

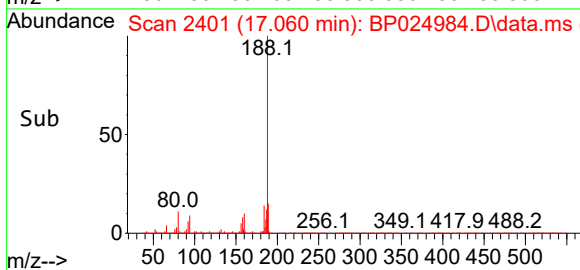
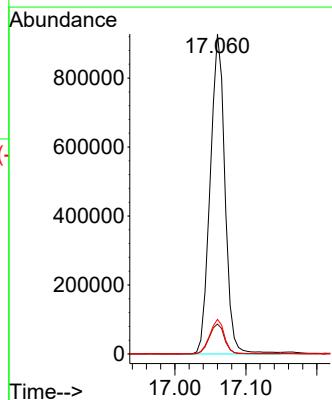
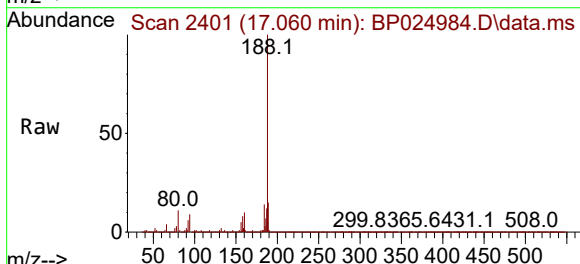
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OR-02-061625

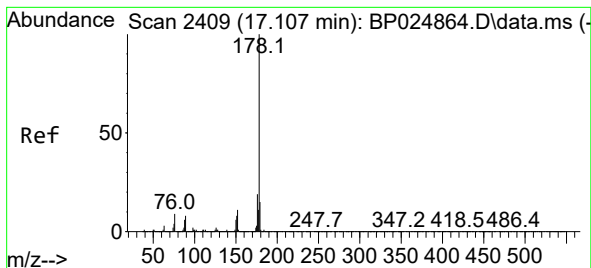
Tgt Ion:139 Resp: 568
Ion Ratio Lower Upper
139 100
109 70.1 53.1 93.1
65 48.4 73.0 113.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:188 Resp: 1337390
Ion Ratio Lower Upper
188 100
94 9.4 7.3 10.9
80 10.8 8.5 12.7





#71

Phenanthrene

Concen: 18.578 ng

RT: 17.101 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

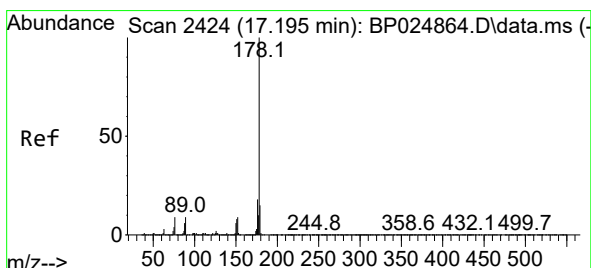
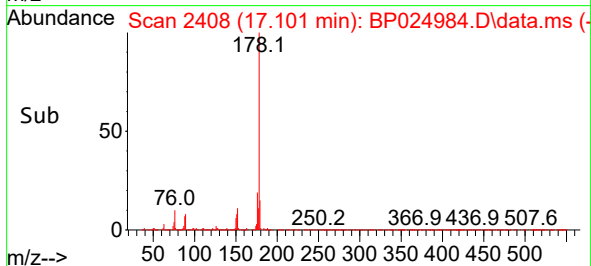
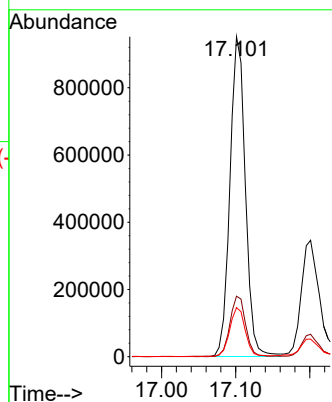
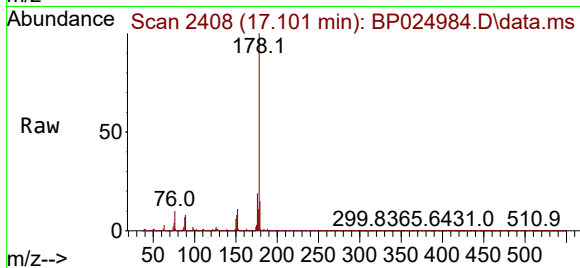
Tgt Ion:178 Resp: 1372998

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.4 12.1 18.1



#72

Anthracene

Concen: 7.911 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

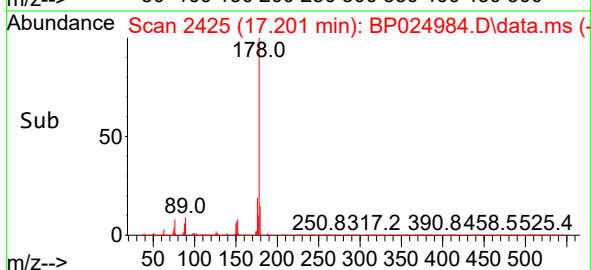
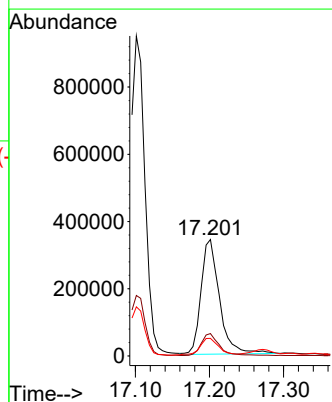
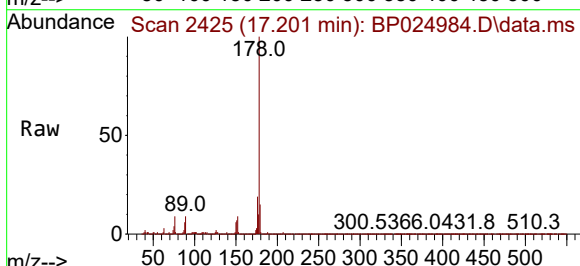
Tgt Ion:178 Resp: 592140

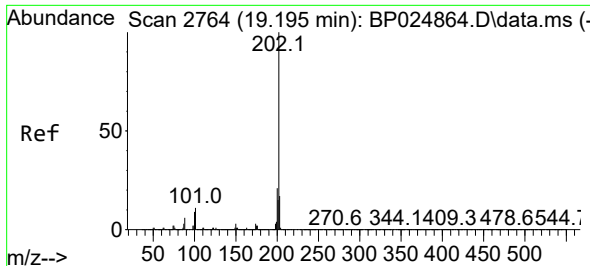
Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

179 15.2 12.3 18.5

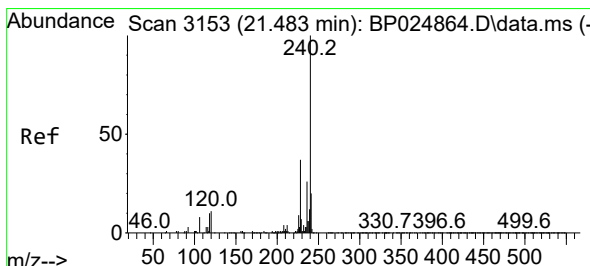
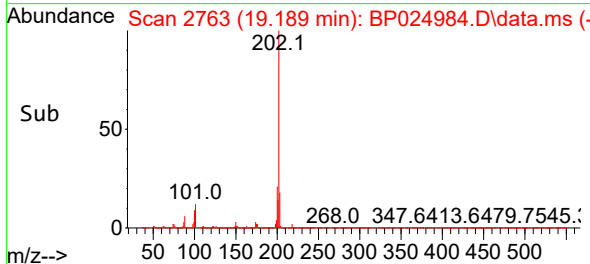
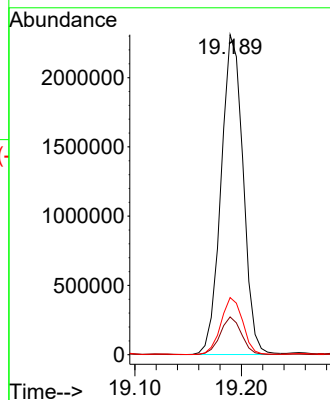
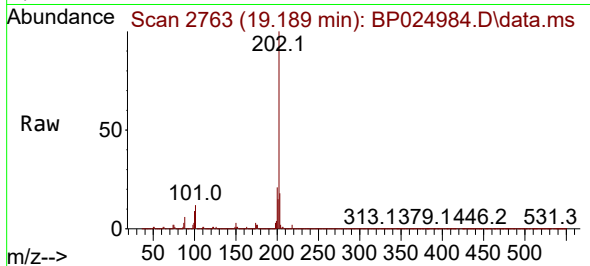




#75
Fluoranthene
Concen: 38.622 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

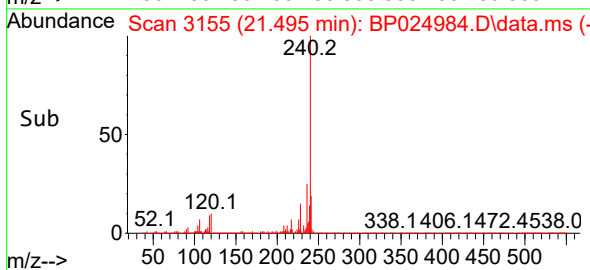
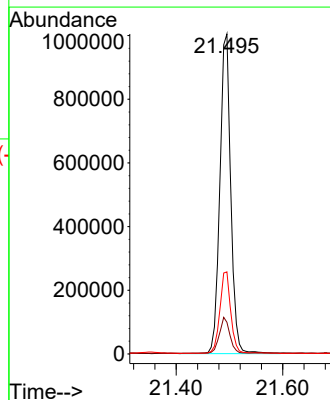
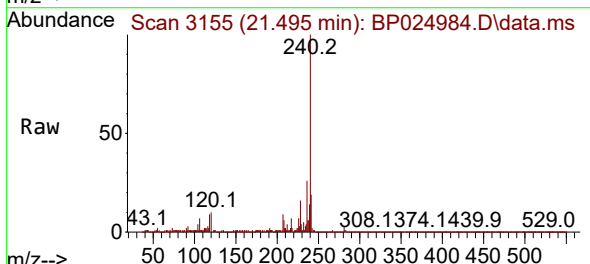
Instrument :
BNA_P
ClientSampleId :
OR-02-061625

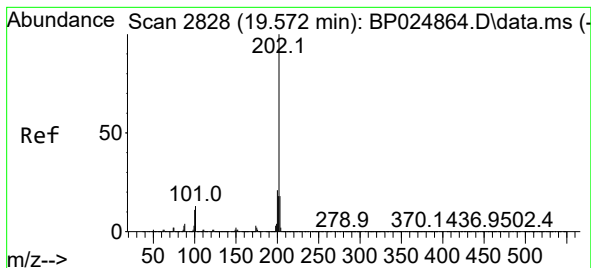
Tgt Ion:202 Resp: 3308397
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:240 Resp: 1419198
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 25.7 20.9 31.3





#78

Pyrene

Concen: 39.452 ng

RT: 19.572 min Scan# 2828

Delta R.T. 0.000 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

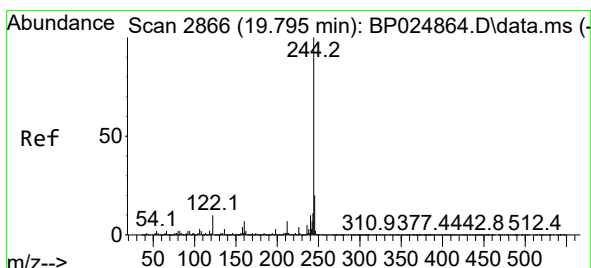
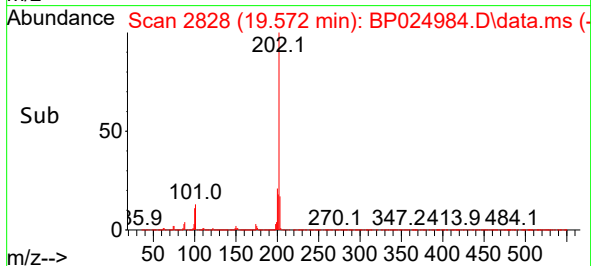
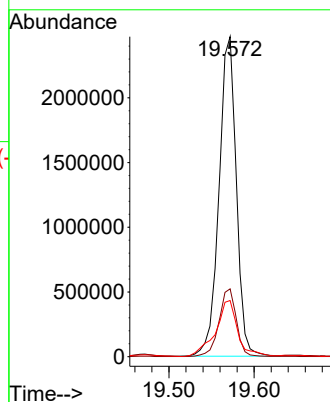
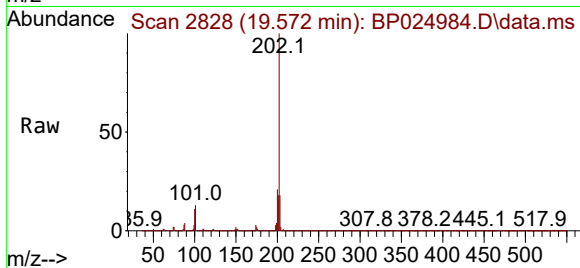
Tgt Ion:202 Resp: 3497946

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 10.506 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

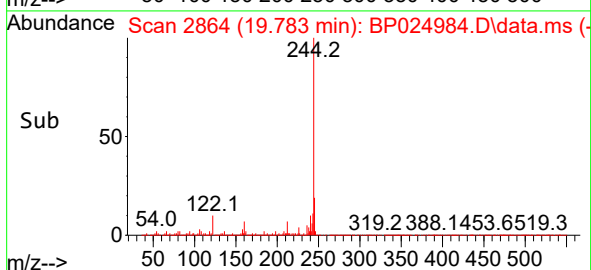
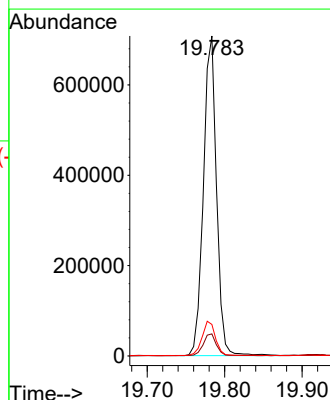
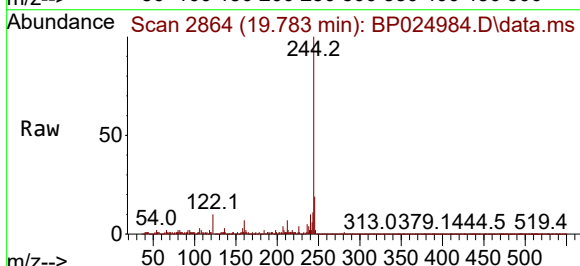
Tgt Ion:244 Resp: 831927

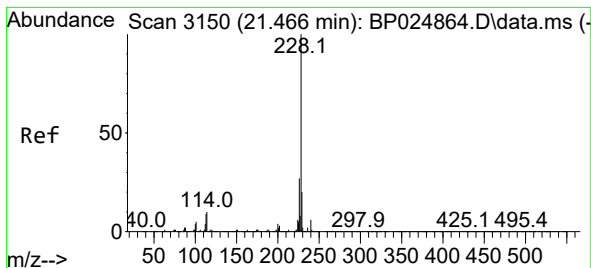
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.9 7.7 11.5





#81

Benzo(a)anthracene

Concen: 19.662 ng

RT: 21.472 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

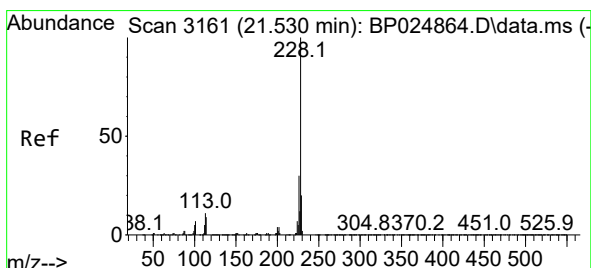
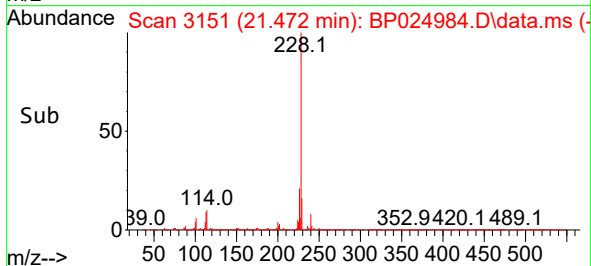
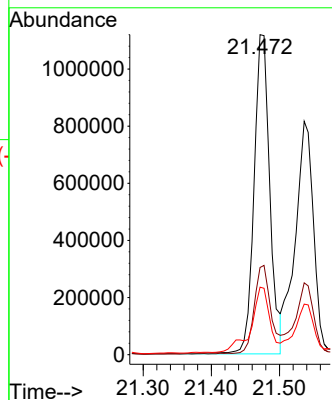
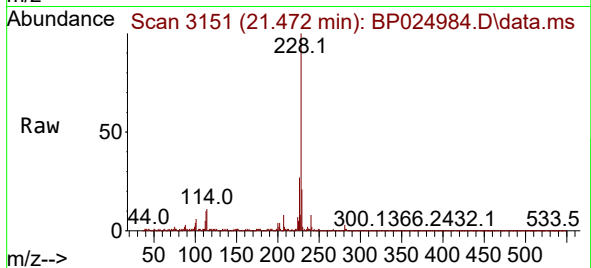
Tgt Ion:228 Resp: 1784722

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 21.1 15.9 23.9



#83

Chrysene

Concen: 17.677 ng

RT: 21.536 min Scan# 3162

Delta R.T. 0.006 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

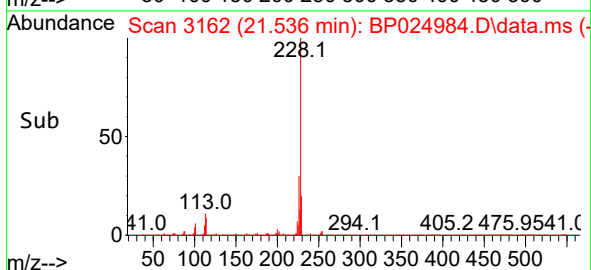
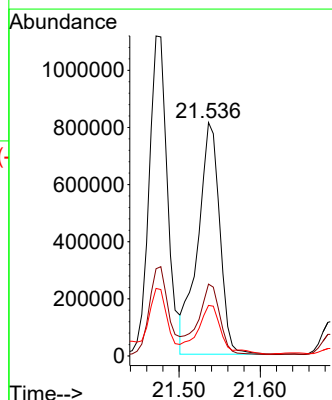
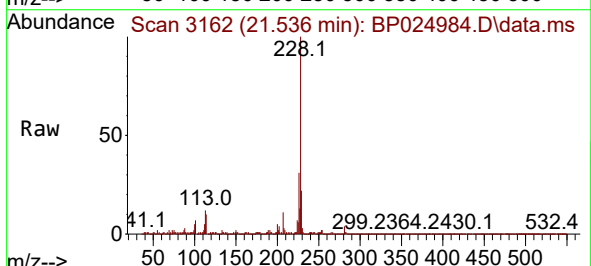
Tgt Ion:228 Resp: 1520362

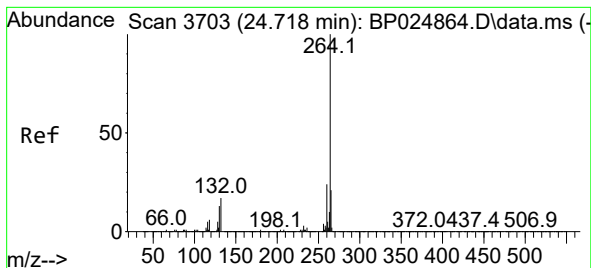
Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.6

229 21.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.765 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

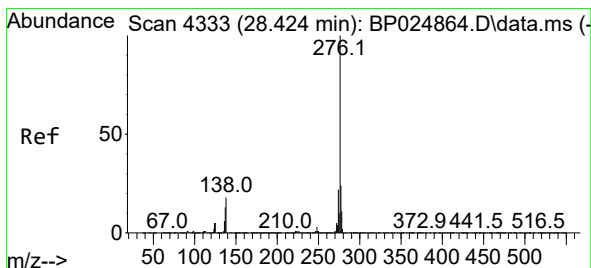
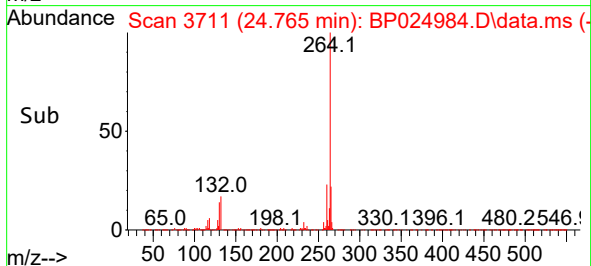
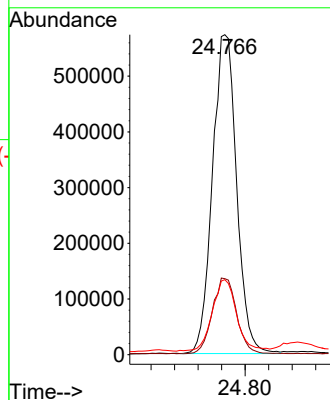
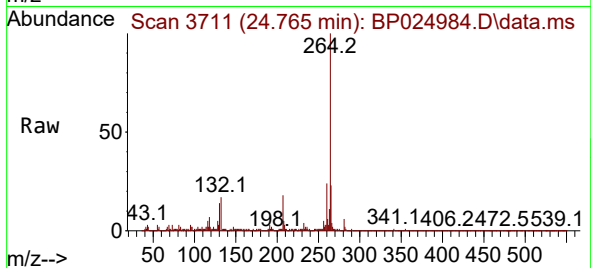
Tgt Ion:264 Resp: 1634653

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 23.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.998 ng

RT: 28.495 min Scan# 4345

Delta R.T. 0.071 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

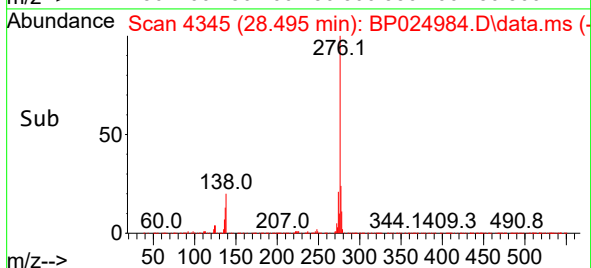
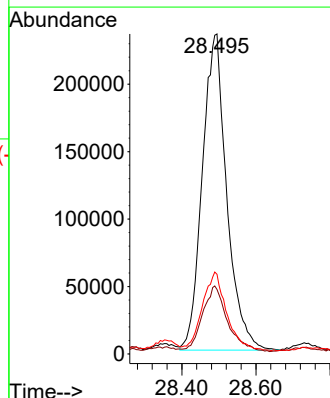
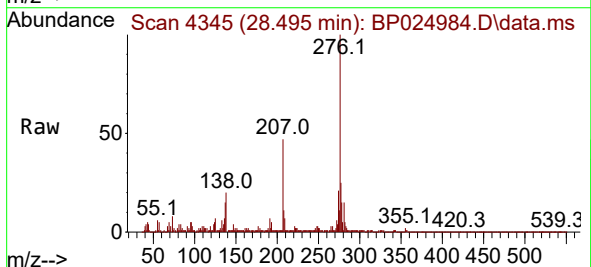
Tgt Ion:276 Resp: 1073146

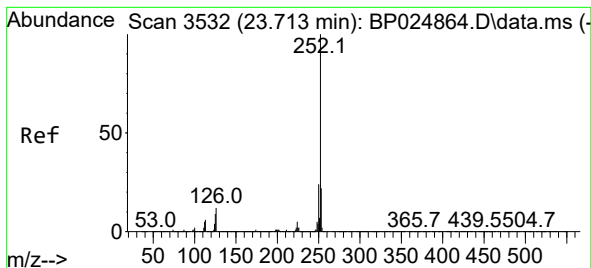
Ion Ratio Lower Upper

276 100

138 21.0 18.6 27.8

277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 22.074 ng

RT: 23.736 min Scan# 3536

Delta R.T. 0.024 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

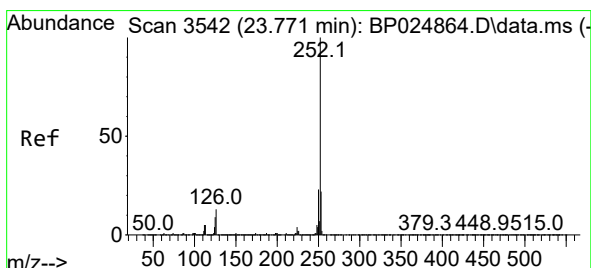
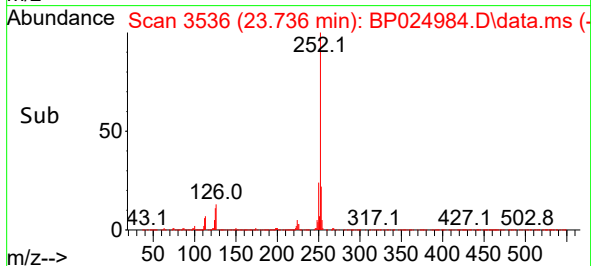
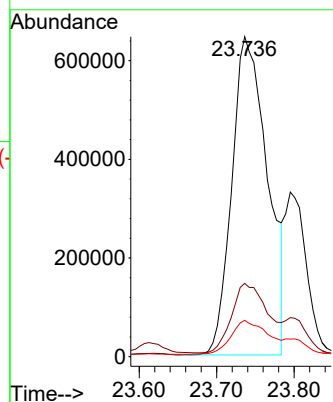
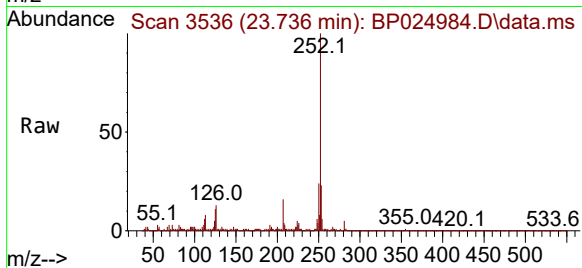
Tgt Ion:252 Resp: 2065105

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.4 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 21.686 ng

RT: 23.736 min Scan# 3536

Delta R.T. -0.035 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

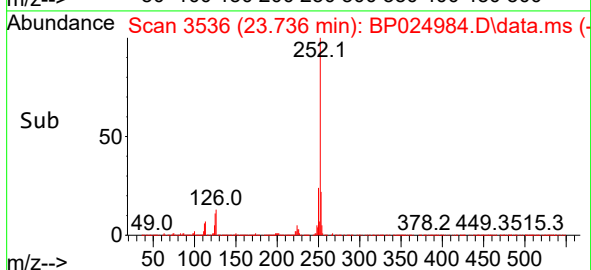
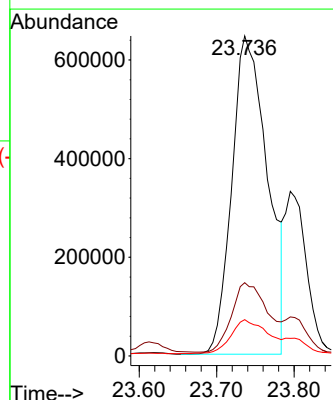
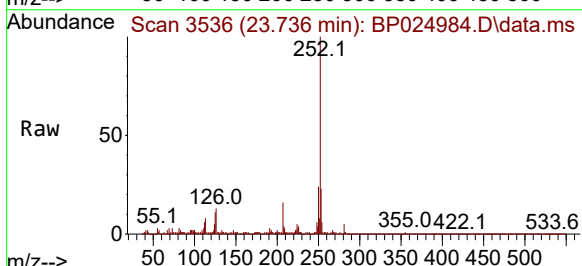
Tgt Ion:252 Resp: 2065105

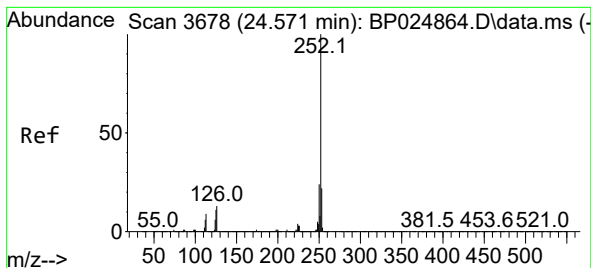
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.4 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 18.493 ng

RT: 24.613 min Scan# 3

Delta R.T. 0.041 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Instrument :

BNA_P

ClientSampleId :

OR-02-061625

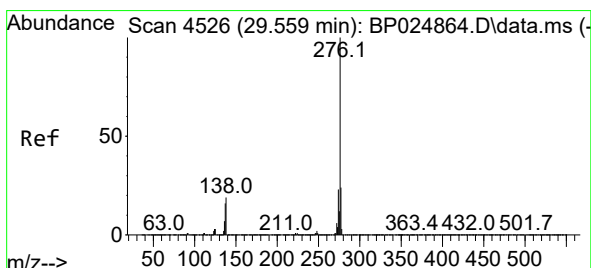
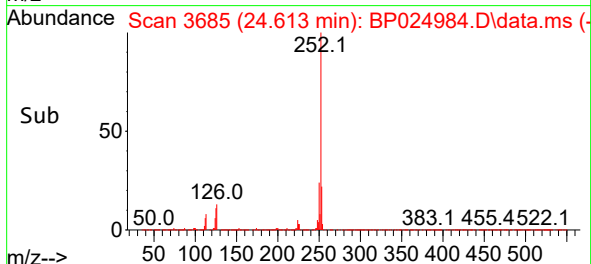
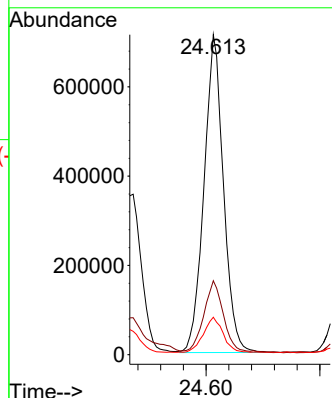
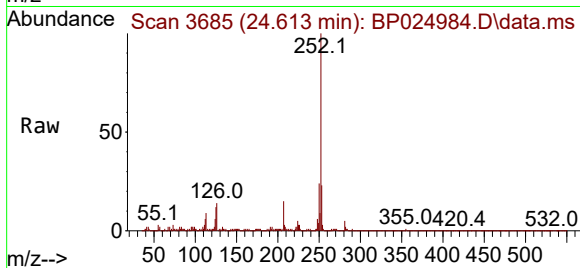
Tgt Ion:252 Resp: 1689568

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.7 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 11.428 ng

RT: 29.648 min Scan# 4541

Delta R.T. 0.088 min

Lab File: BP024984.D

Acq: 17 Jun 2025 20:50

Tgt Ion:276 Resp: 1100794

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 21.6 15.4 23.2

