

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
 Data File : BP024950.D
 Acq On : 13 Jun 2025 18:56
 Operator : RC/JU
 Sample : Q2305-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-06122025

Quant Time: Jun 13 22:44:20 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)

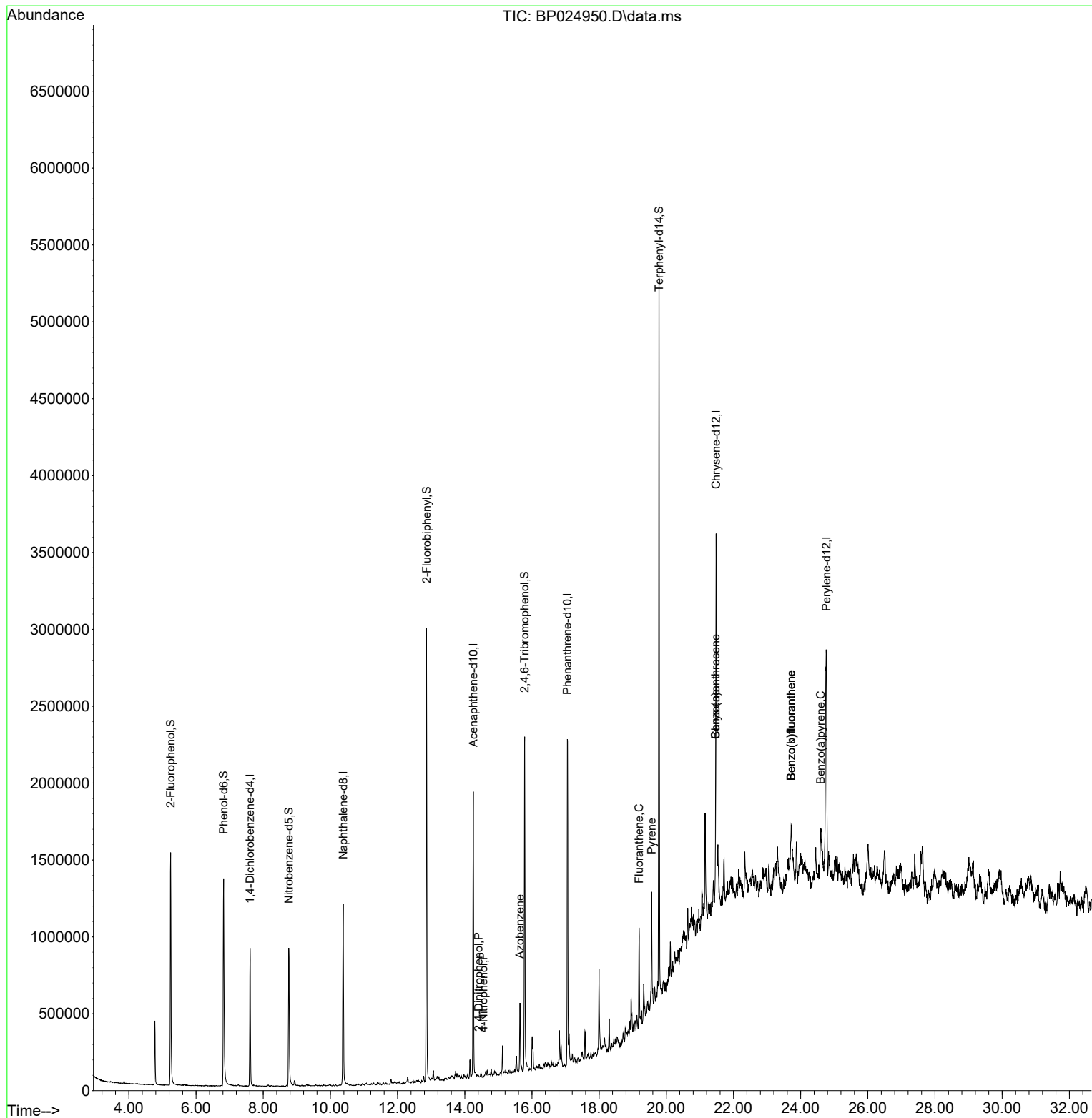
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	254282	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1010649	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	658171	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1289246	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1382127	20.000	ng	0.00
86) Perylene-d12	24.766	264	1658287	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	755680	49.606	ng	0.00
7) Phenol-d6	6.819	99	978155	48.530	ng	0.00
23) Nitrobenzene-d5	8.761	82	596130	28.663	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	475392	52.243	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	1452367	29.727	ng	0.00
79) Terphenyl-d14	19.783	244	2434875	31.574	ng	-0.01
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.413	184	40	5.569	ng	# 1
56) 4-Nitrophenol	14.554	139	289	5.438	ng	# 1
63) Azobenzene	15.643	77	137300	3.094	ng	# 1
75) Fluoranthene	19.189	202	360061	4.360	ng	99
78) Pyrene	19.566	202	335654	3.887	ng	98
81) Benzo(a)anthracene	21.466	228	188652	2.134	ng	96
83) Chrysene	21.466	228	188652	2.252	ng	96
88) Benzo(b)fluoranthene	23.719	252	295701	3.116	ng	# 85
89) Benzo(k)fluoranthene	23.719	252	295701	3.061	ng	# 85
90) Benzo(a)pyrene	24.595	252	207352	2.237	ng	# 83

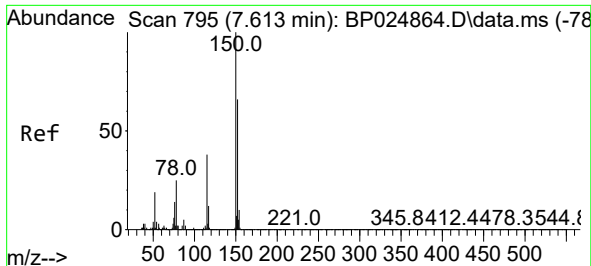
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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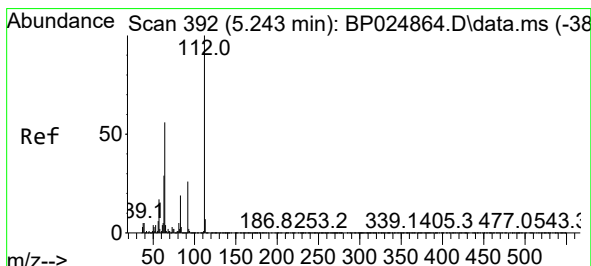
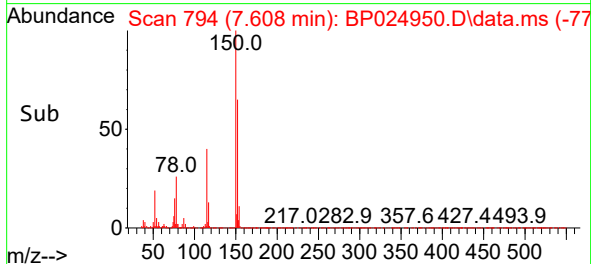
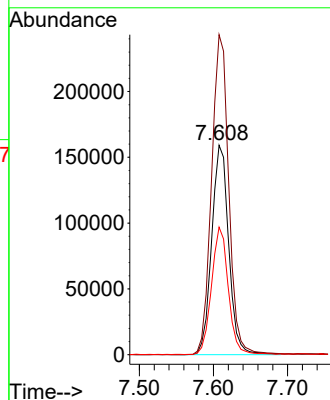
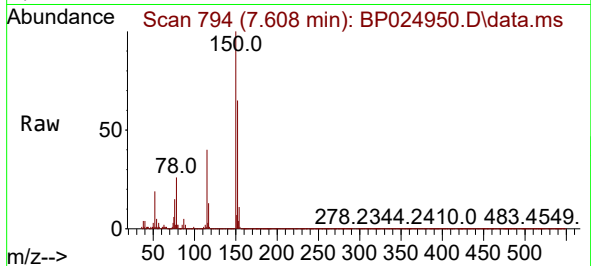




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

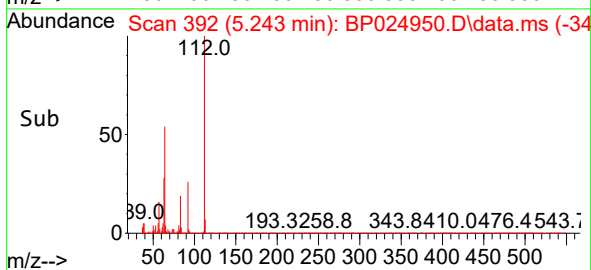
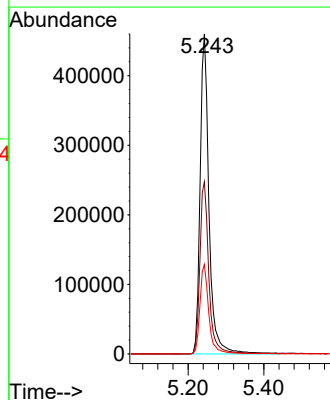
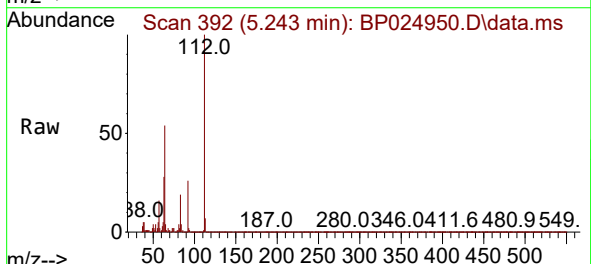
Instrument :
BNA_P
ClientSampleId :
TR-04-06122025

Tgt Ion:152 Resp: 254282
Ion Ratio Lower Upper
152 100
150 152.8 122.1 183.1
115 60.9 46.4 69.6



#5
2-Fluorophenol
Concen: 49.606 ng
RT: 5.243 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion:112 Resp: 755680
Ion Ratio Lower Upper
112 100
64 53.8 44.7 67.1
63 28.0 23.5 35.3

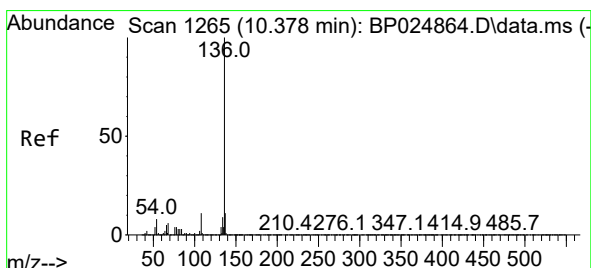
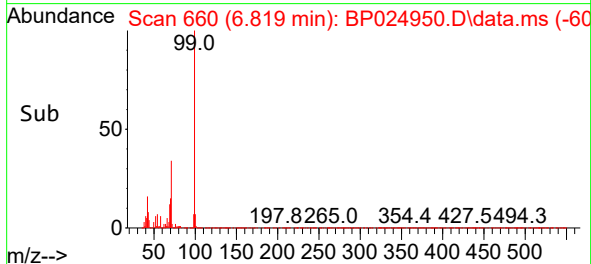
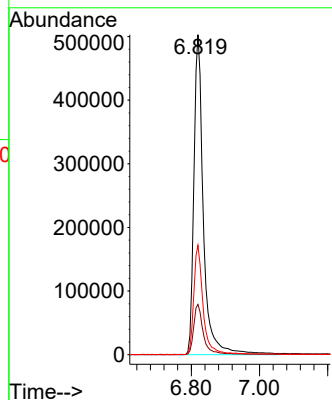
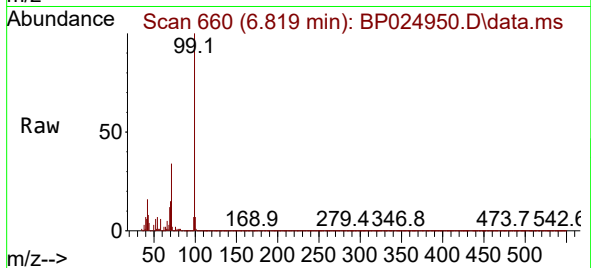




#7
Phenol-d6
Concen: 48.530 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

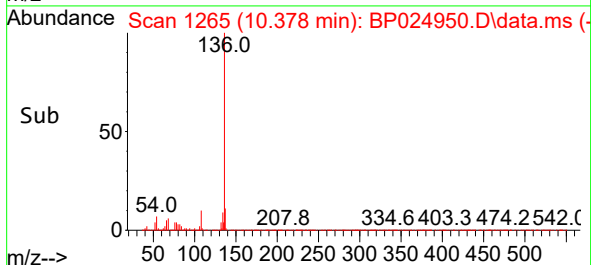
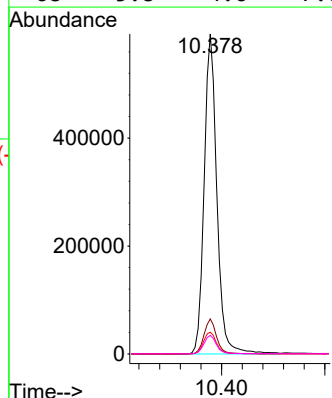
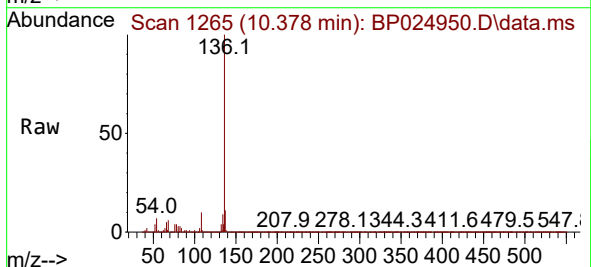
Instrument :
BNA_P
ClientSampleId :
TR-04-06122025

Tgt Ion: 99 Resp: 978155
Ion Ratio Lower Upper
99 100
42 15.7 13.4 20.2
71 34.2 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: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion: 136 Resp: 1010649
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.8 6.1 9.1
68 5.8 4.6 7.0

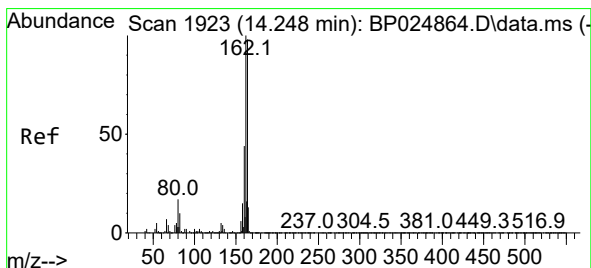
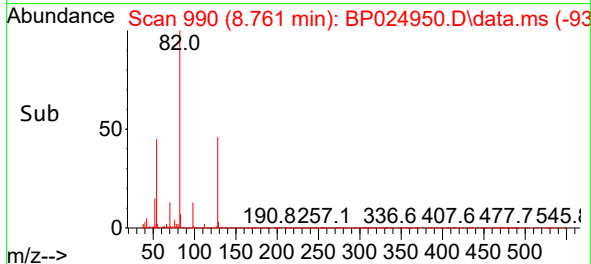
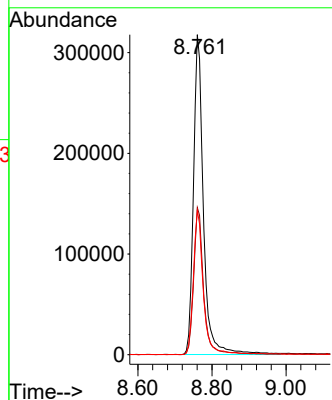
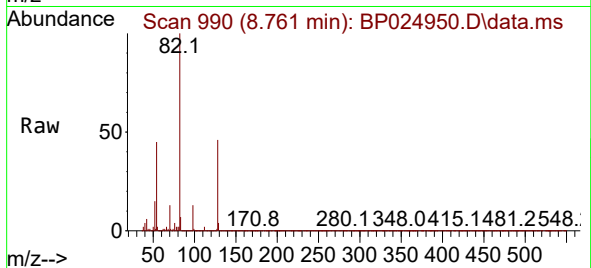




#23
Nitrobenzene-d5
Concen: 28.663 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

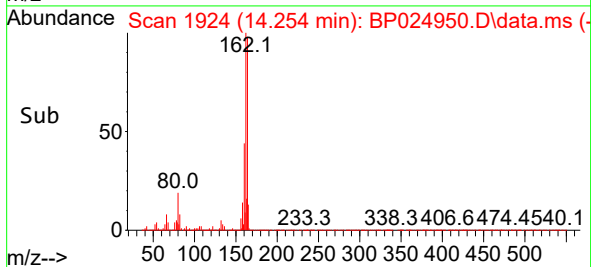
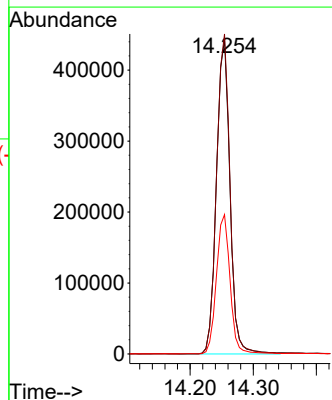
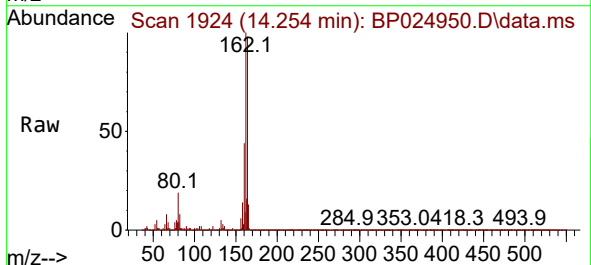
Instrument :
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ClientSampleId :
TR-04-06122025

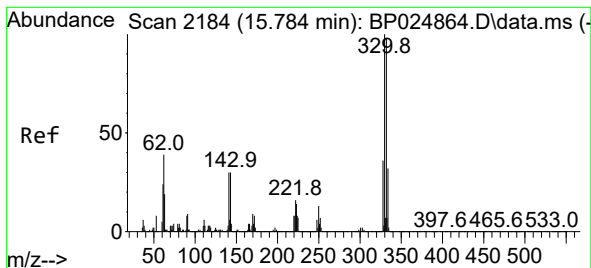
Tgt Ion: 82 Resp: 596130
Ion Ratio Lower Upper
82 100
128 46.0 35.3 52.9
54 45.2 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion:164 Resp: 658171
Ion Ratio Lower Upper
164 100
162 101.8 81.6 122.4
160 44.3 36.2 54.2

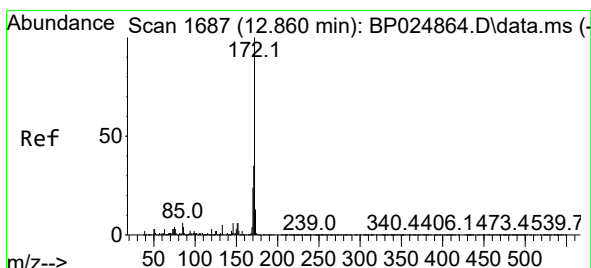
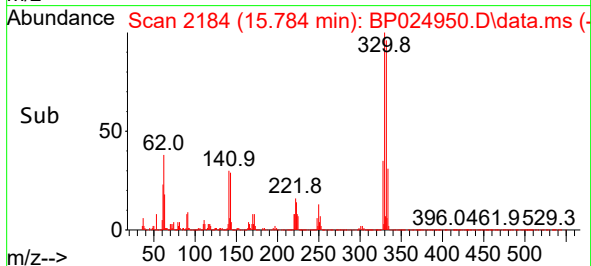
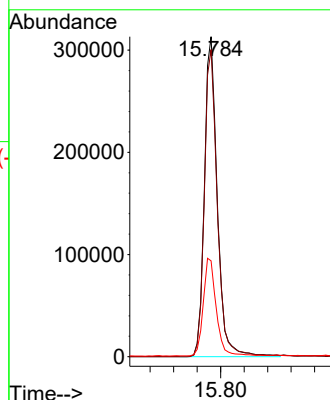
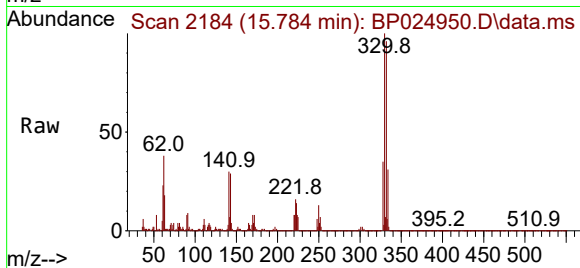




#42
2,4,6-Tribromophenol
Concen: 52.243 ng
RT: 15.784 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

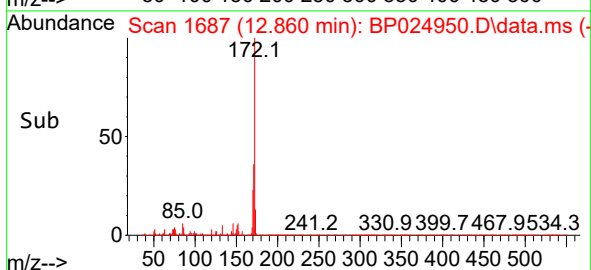
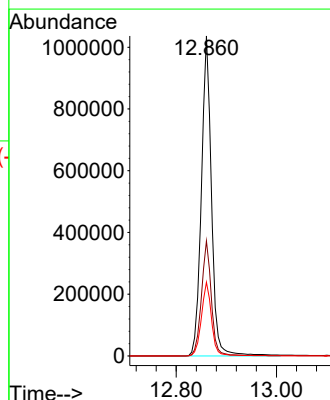
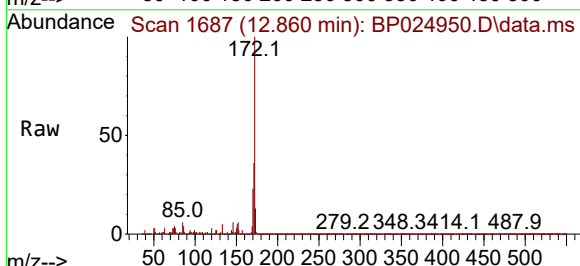
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ClientSampleId :
TR-04-06122025

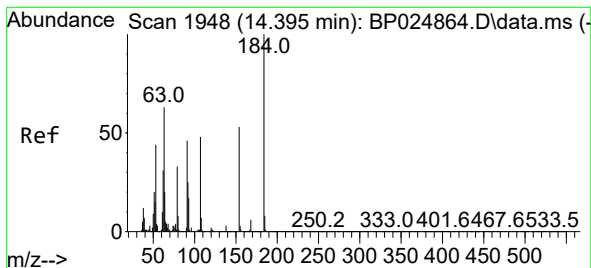
Tgt Ion: 330 Resp: 475392
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 30.7 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 29.727 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion: 172 Resp: 1452367
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.1 19.0 28.4

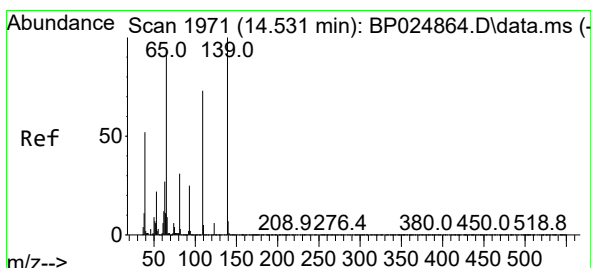
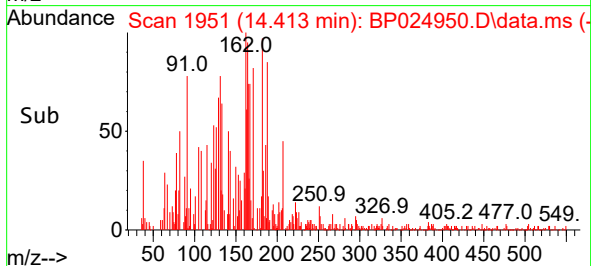
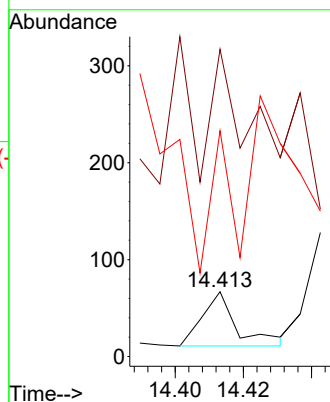
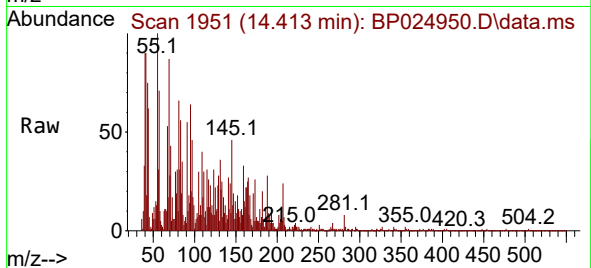




#54
2,4-Dinitrophenol
Concen: 5.569 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.018 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

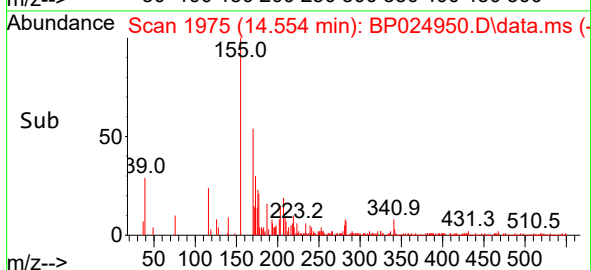
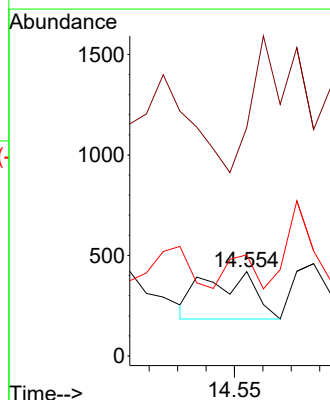
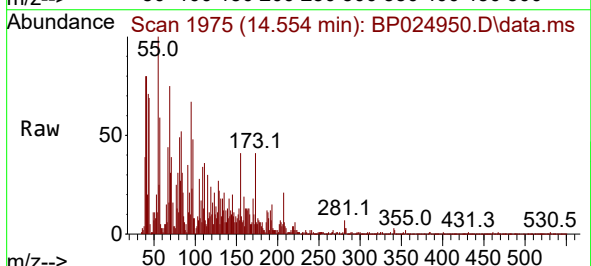
Instrument :
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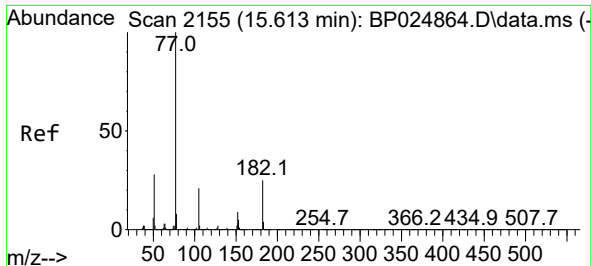
Tgt Ion:184 Resp: 40
Ion Ratio Lower Upper
184 100
63 473.1 51.0 76.4#
154 347.8 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.438 ng
RT: 14.554 min Scan# 1975
Delta R.T. 0.023 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion:139 Resp: 289
Ion Ratio Lower Upper
139 100
109 271.1 53.1 93.1#
65 120.0 73.0 113.0#

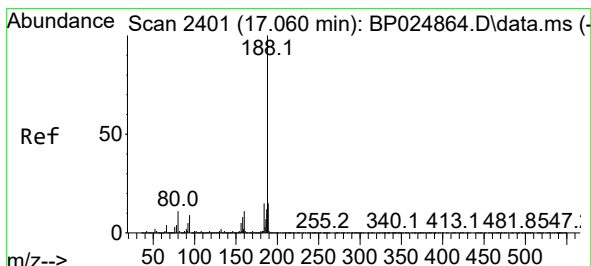
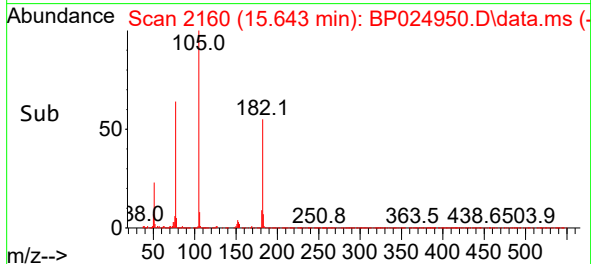
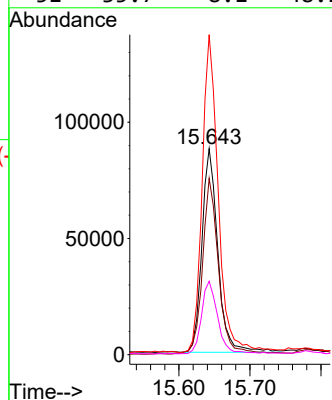
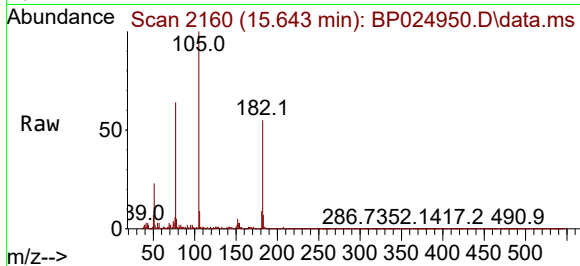




#63
Azobenzene
Concen: 3.094 ng
RT: 15.643 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

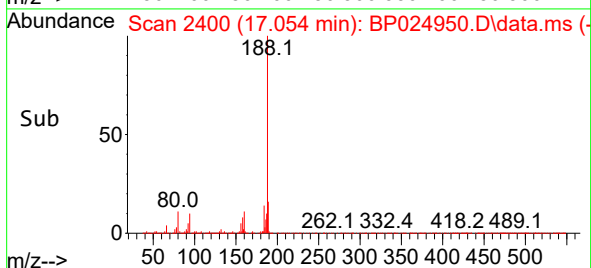
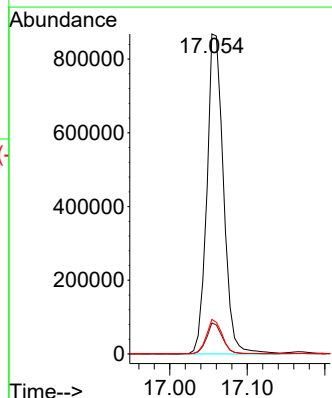
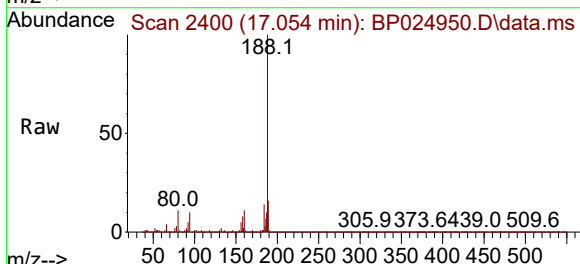
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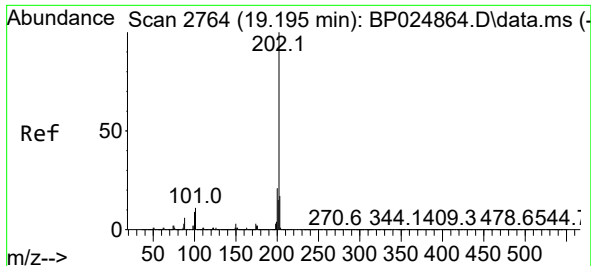
Tgt Ion: 77 Resp: 137300
Ion Ratio Lower Upper
77 100
182 85.5 5.4 45.4#
105 155.3 0.8 40.8#
51 35.7 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion:188 Resp: 1289246
Ion Ratio Lower Upper
188 100
94 9.7 7.3 10.9
80 10.8 8.5 12.7

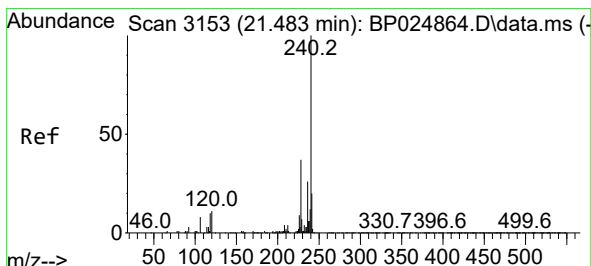
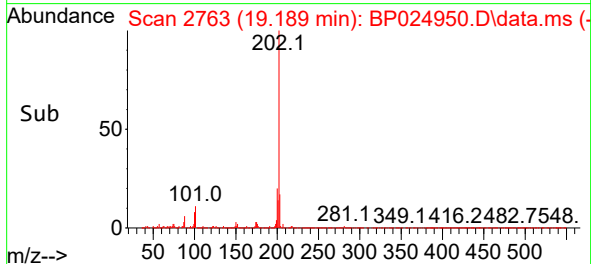
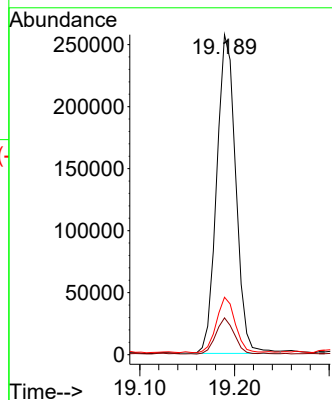
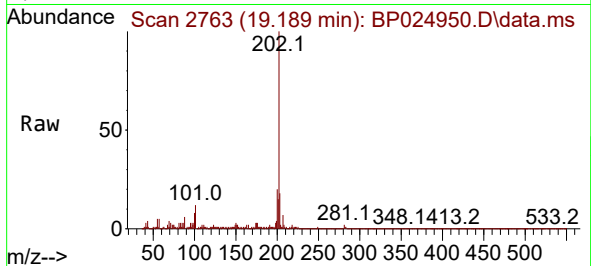




#75
Fluoranthene
Concen: 4.360 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

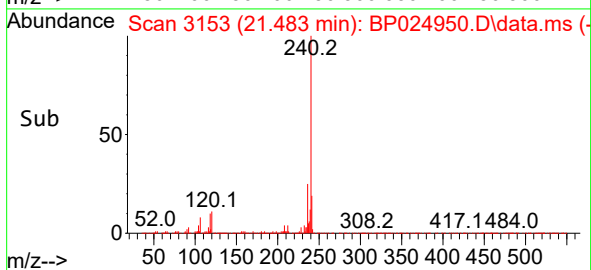
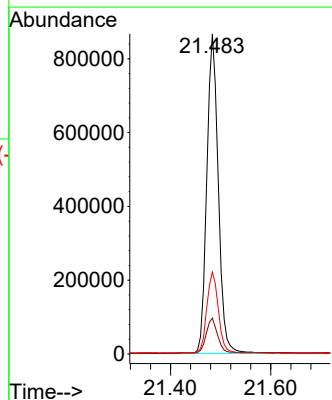
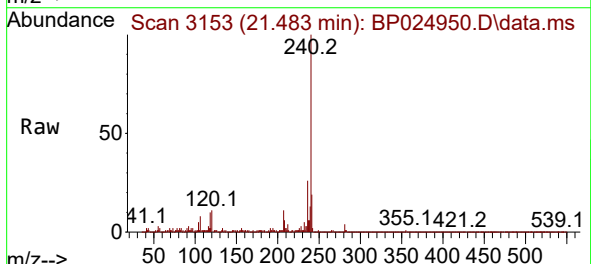
Instrument :
BNA_P
ClientSampleId :
TR-04-06122025

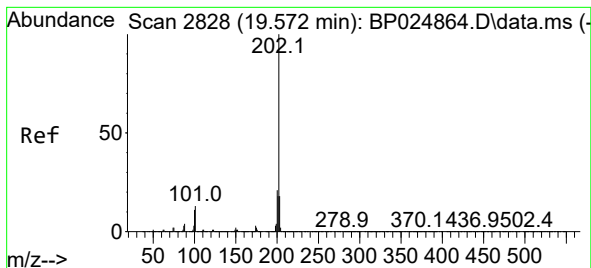
Tgt Ion:202 Resp: 360061
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion:240 Resp: 1382127
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.7 20.9 31.3





#78

Pyrene

Concen: 3.887 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024950.D

Acq: 13 Jun 2025 18:56

Instrument :

BNA_P

ClientSampleId :

TR-04-06122025

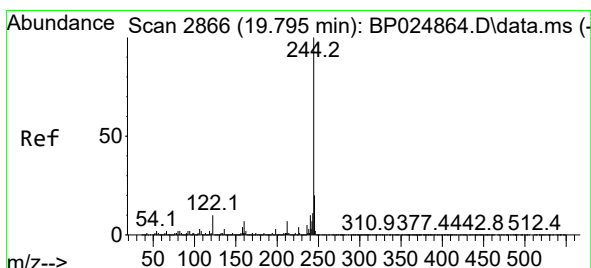
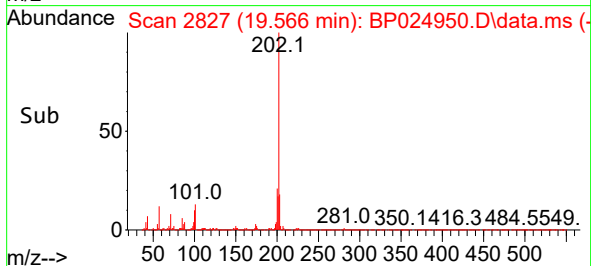
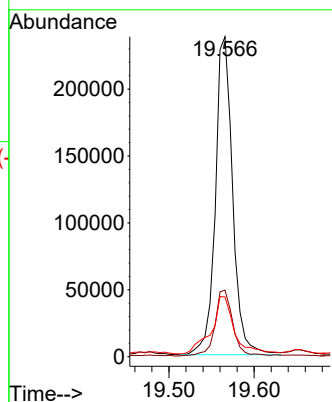
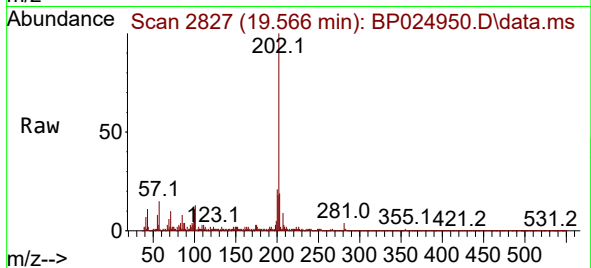
Tgt Ion:202 Resp: 335654

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 18.7 14.0 21.0



#79

Terphenyl-d14

Concen: 31.574 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP024950.D

Acq: 13 Jun 2025 18:56

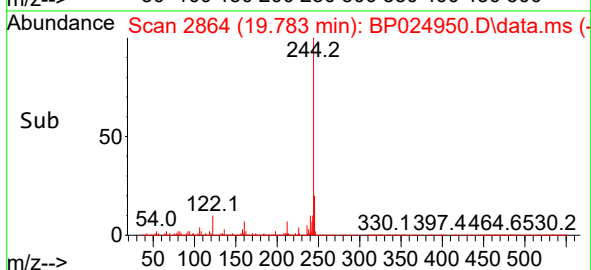
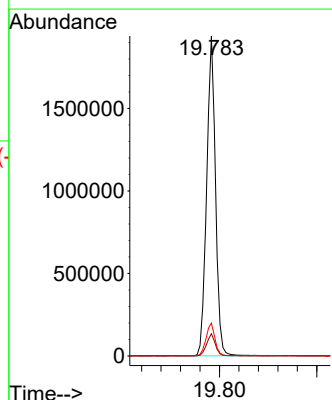
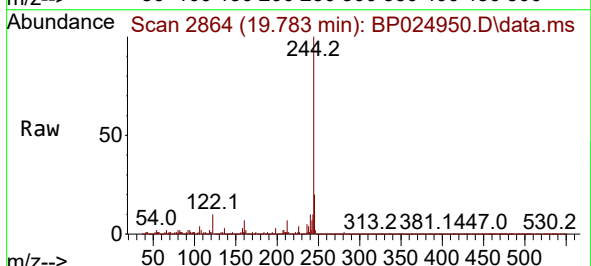
Tgt Ion:244 Resp: 2434875

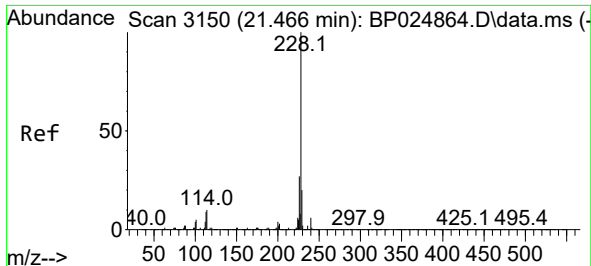
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.3 7.7 11.5

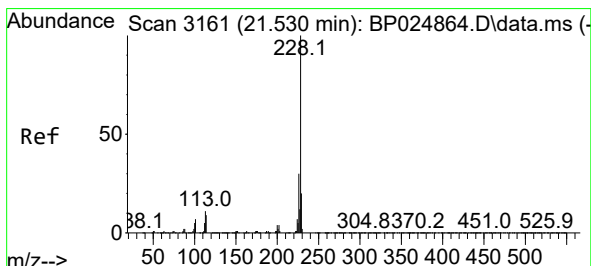
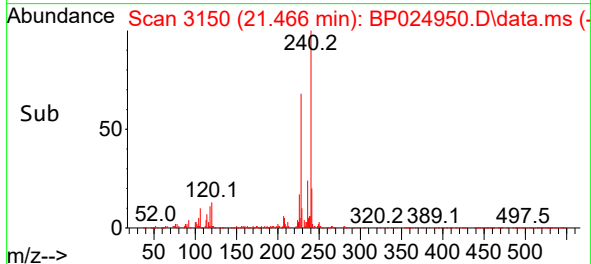
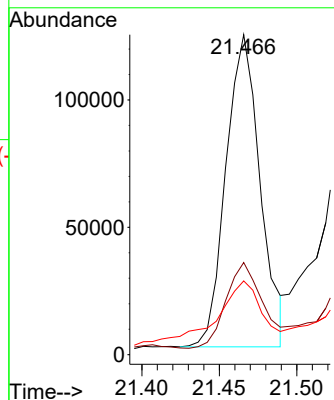
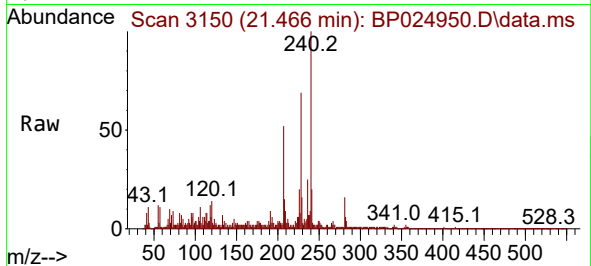




#81
Benzo(a)anthracene
Concen: 2.134 ng
RT: 21.466 min Scan# 3150
Delta R.T. 0.000 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

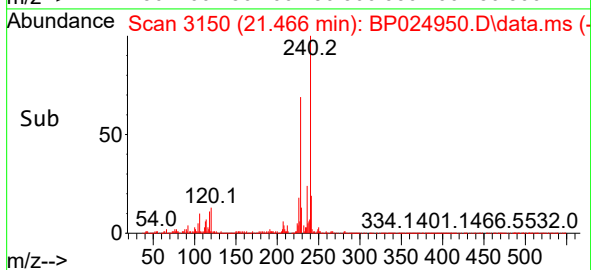
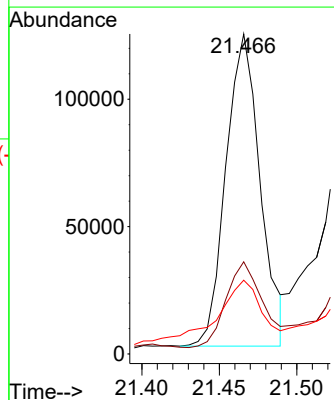
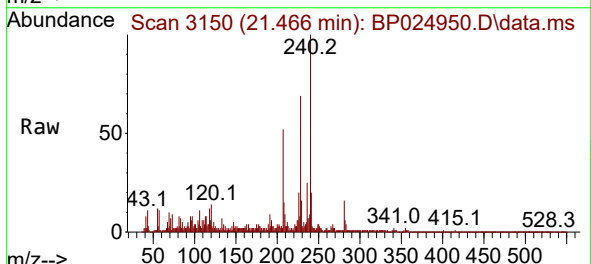
Instrument :
BNA_P
ClientSampleId :
TR-04-06122025

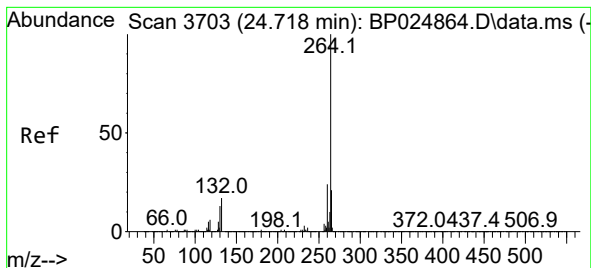
Tgt Ion:228 Resp: 188652
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 23.0 15.9 23.9



#83
Chrysene
Concen: 2.252 ng
RT: 21.466 min Scan# 3150
Delta R.T. -0.065 min
Lab File: BP024950.D
Acq: 13 Jun 2025 18:56

Tgt Ion:228 Resp: 188652
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.6
229 23.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.766 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP024950.D

Acq: 13 Jun 2025 18:56

Instrument :

BNA_P

ClientSampleId :

TR-04-06122025

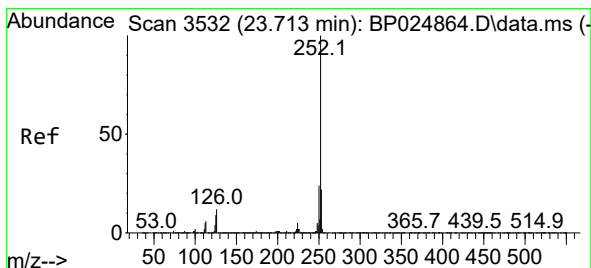
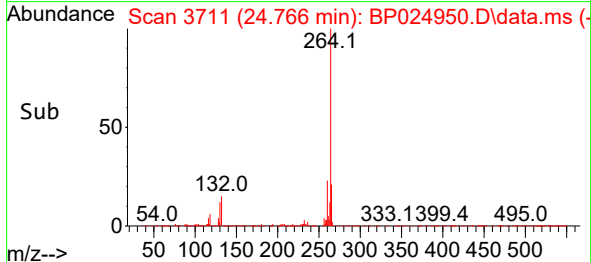
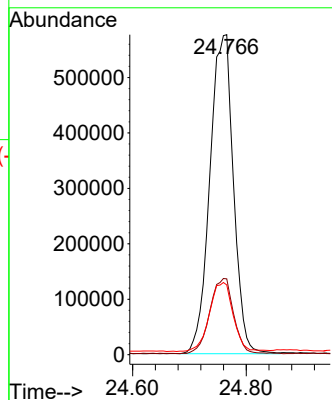
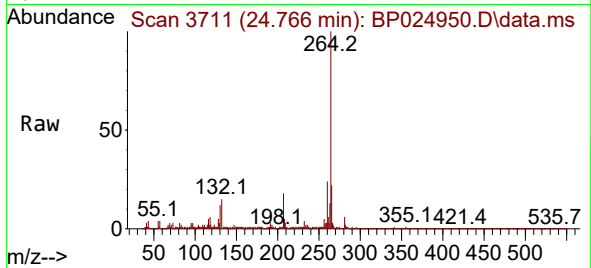
Tgt Ion:264 Resp: 1658287

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.8 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.116 ng

RT: 23.719 min Scan# 3533

Delta R.T. 0.006 min

Lab File: BP024950.D

Acq: 13 Jun 2025 18:56

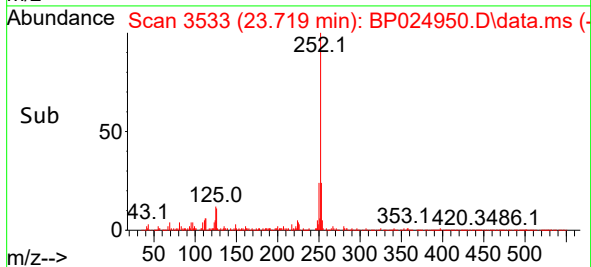
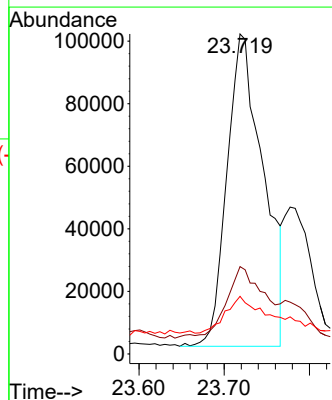
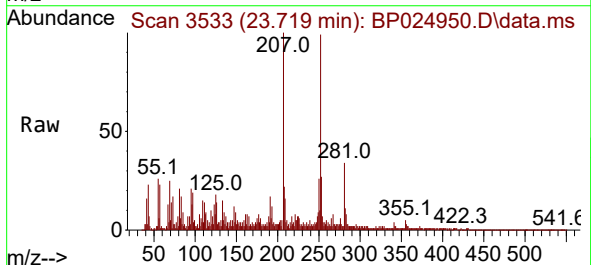
Tgt Ion:252 Resp: 295701

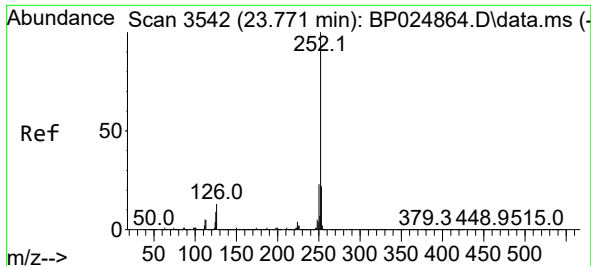
Ion Ratio Lower Upper

252 100

253 27.3 17.6 26.4#

125 18.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.061 ng

RT: 23.719 min Scan# 3533

Delta R.T. -0.053 min

Lab File: BP024950.D

Acq: 13 Jun 2025 18:56

Instrument :

BNA_P

ClientSampleId :

TR-04-06122025

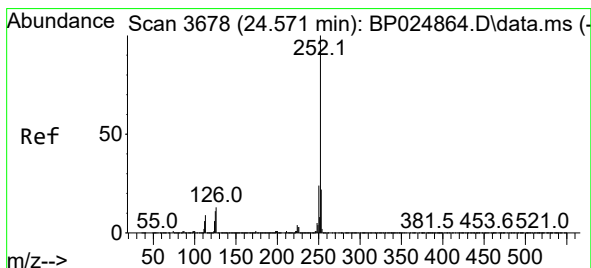
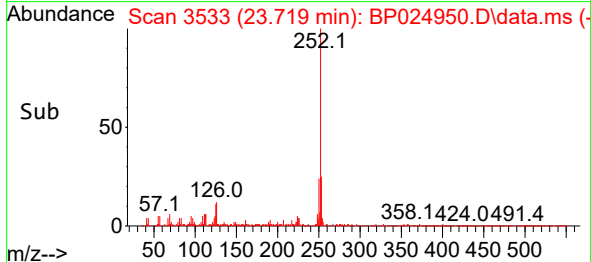
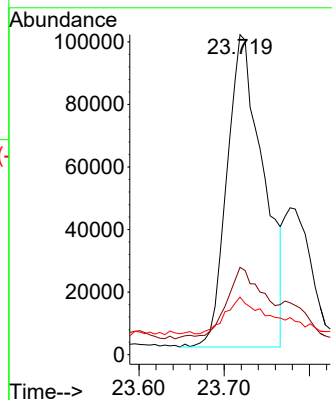
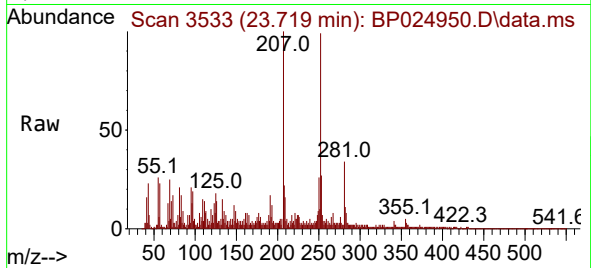
Tgt Ion:252 Resp: 295701

Ion Ratio Lower Upper

252 100

253 27.3 17.7 26.5#

125 18.0 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 2.237 ng

RT: 24.595 min Scan# 3682

Delta R.T. 0.024 min

Lab File: BP024950.D

Acq: 13 Jun 2025 18:56

Tgt Ion:252 Resp: 207352

Ion Ratio Lower Upper

252 100

253 28.8 17.5 26.3#

125 19.1 8.8 13.2#

