

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
 Data File : BP024127.D
 Acq On : 27 Feb 2025 19:57
 Operator : RC/JU
 Sample : Q1441-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022625

Quant Time: Feb 28 00:12:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

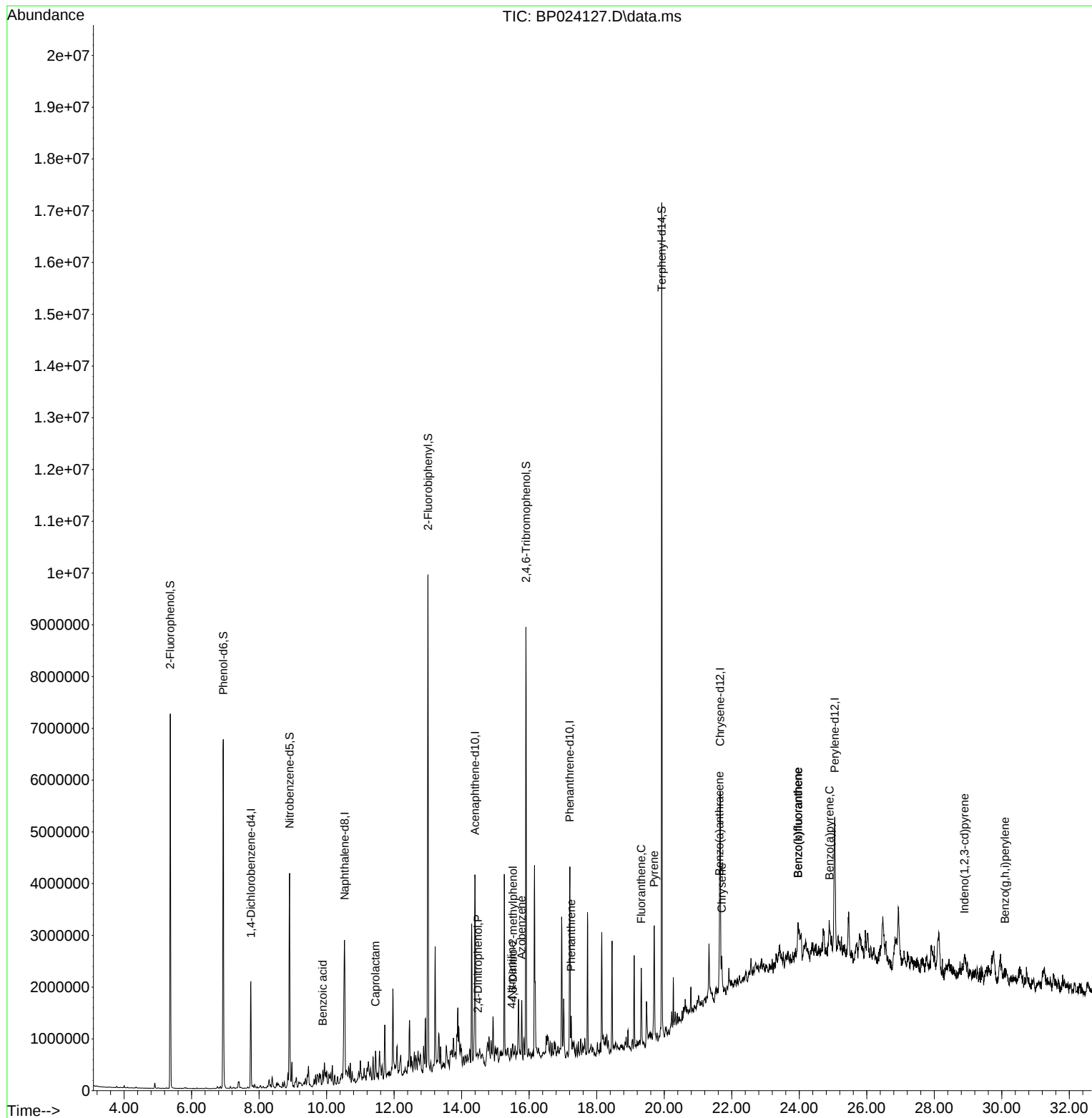
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	569519	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	2243164	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	1279559	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	2237805	20.000	ng	0.02
76) Chrysene-d12	21.657	240	2241853	20.000	ng	0.01
86) Perylene-d12	25.051	264	2601637	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	3289129	90.115	ng	0.00
7) Phenol-d6	6.940	99	4263942	90.894	ng	0.00
23) Nitrobenzene-d5	8.905	82	2470827	61.451	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1424364	90.879	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	5216397	56.992	ng	0.00
79) Terphenyl-d14	19.927	244	6519201	57.541	ng	0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.887	122	346	7.500	ng	# 1
35) Caprolactam	11.451	113	4902	5.968	ng	# 1
54) 2,4-Dinitrophenol	14.487	184	112	7.788	ng	# 1
62) 4-Nitroaniline	15.487	138	315	3.300	ng	# 4
63) Azobenzene	15.775	77	246133	2.932	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.522	198	400	6.033	ng	# 1
71) Phenanthrene	17.245	178	397619	3.152	ng	98
75) Fluoranthene	19.322	202	927389	6.499	ng	99
78) Pyrene	19.698	202	911513	6.401	ng	99
81) Benzo(a)anthracene	21.633	228	492930	3.507	ng	93
83) Chrysene	21.704	228	521654	3.848	ng	96
87) Indeno(1,2,3-cd)pyrene	28.898	276	404130	2.184	ng	# 90
88) Benzo(b)fluoranthene	23.963	252	735092	4.449	ng	# 84
89) Benzo(k)fluoranthene	23.963	252	735092	4.571	ng	# 84
90) Benzo(a)pyrene	24.892	252	554461	3.955	ng	# 88
92) Benzo(g,h,i)perylene	30.098	276	434689	2.753	ng	92

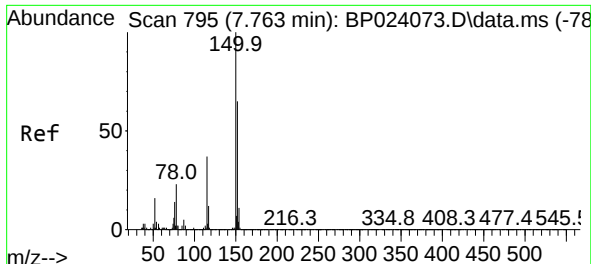
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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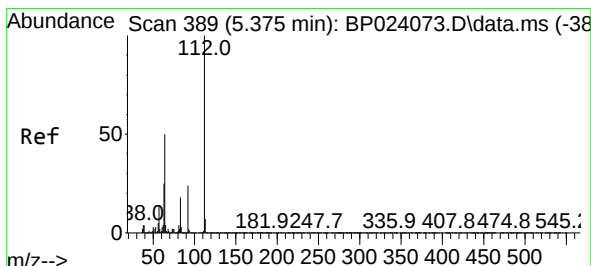
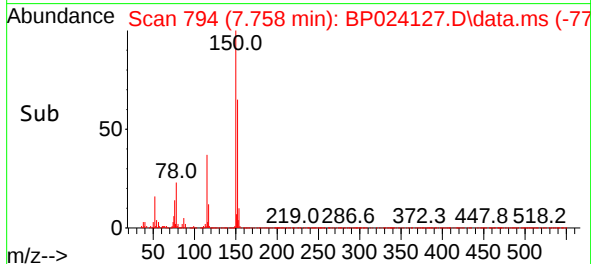
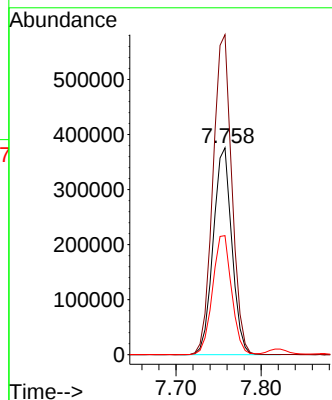
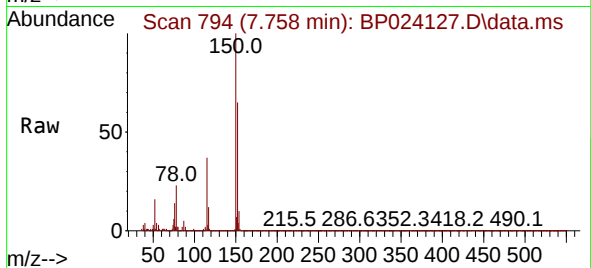




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024127.D
 Acq: 27 Feb 2025 19:57

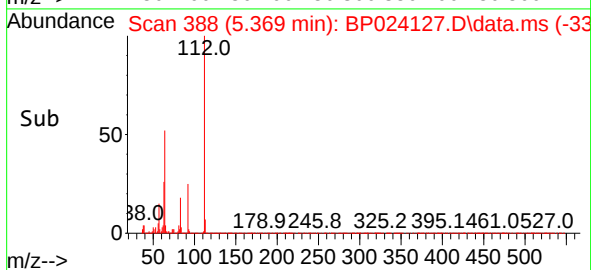
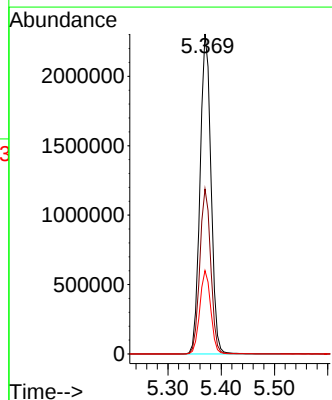
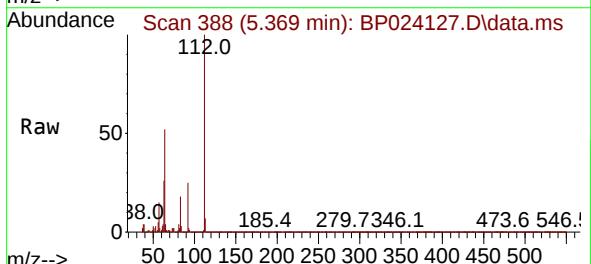
Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022625

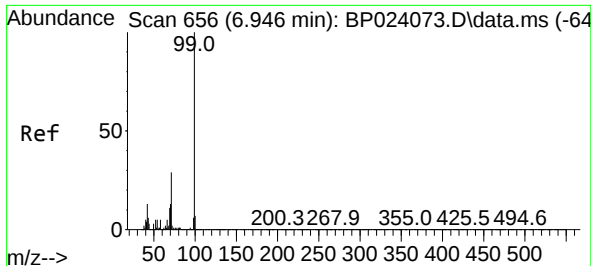
Tgt Ion:152 Resp: 569519
 Ion Ratio Lower Upper
 152 100
 150 154.6 122.4 183.6
 115 57.5 45.0 67.6



#5
 2-Fluorophenol
 Concen: 90.115 ng
 RT: 5.369 min Scan# 388
 Delta R.T. -0.006 min
 Lab File: BP024127.D
 Acq: 27 Feb 2025 19:57

Tgt Ion:112 Resp: 3289129
 Ion Ratio Lower Upper
 112 100
 64 51.6 39.6 59.4
 63 26.0 20.3 30.5

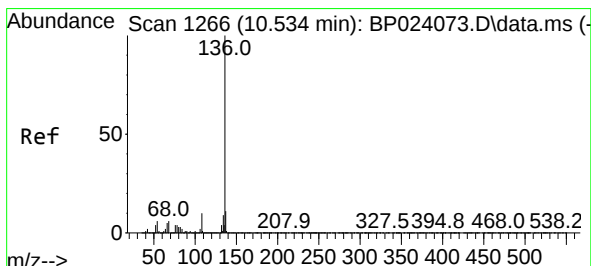
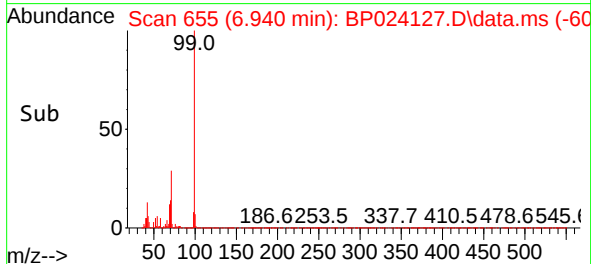
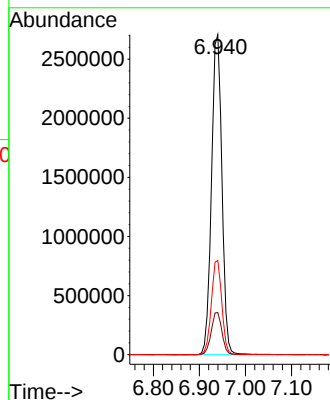
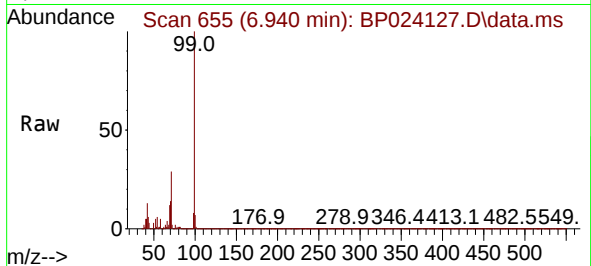




#7
Phenol-d6
Concen: 90.894 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

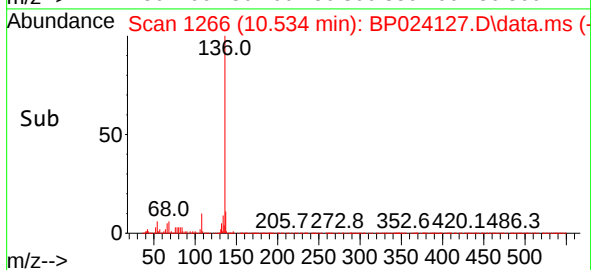
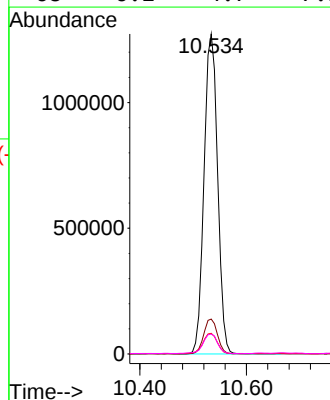
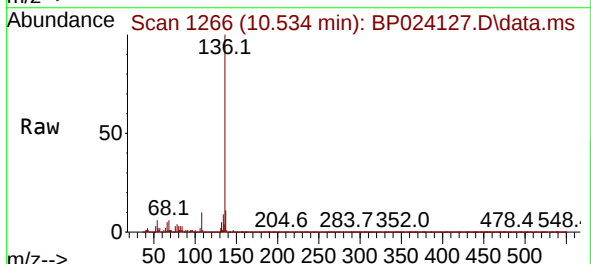
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

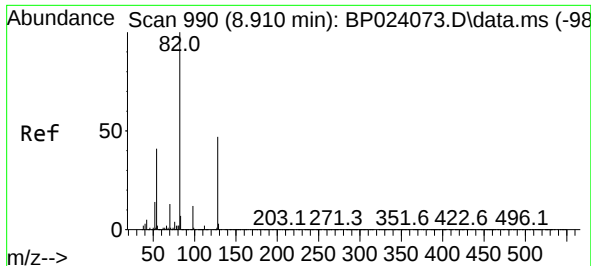
Tgt Ion: 99 Resp: 4263942
Ion Ratio Lower Upper
99 100
42 13.2 10.3 15.5
71 29.5 22.9 34.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion: 136 Resp: 2243164
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.4 4.9 7.3
68 6.2 4.7 7.1

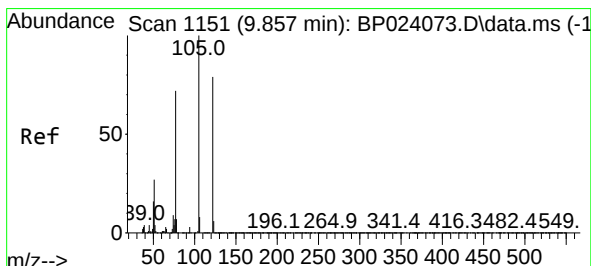
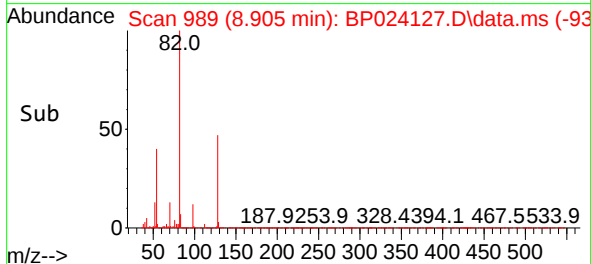
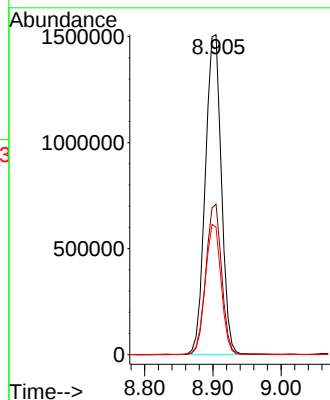
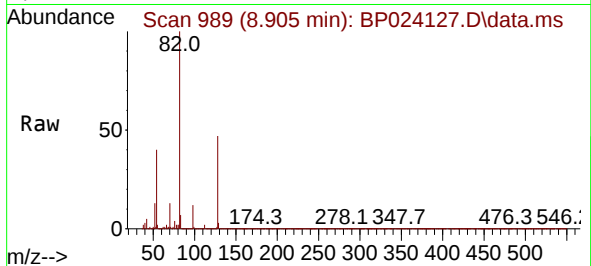




#23
Nitrobenzene-d5
Concen: 61.451 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

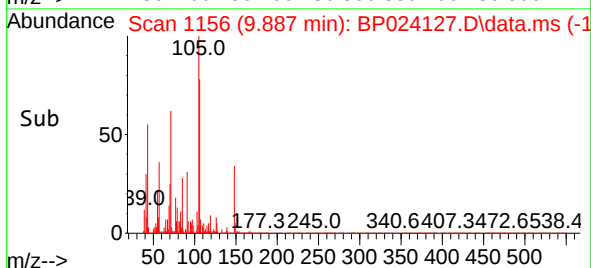
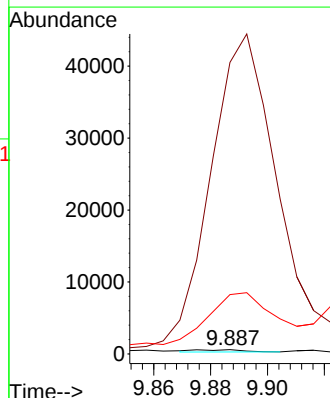
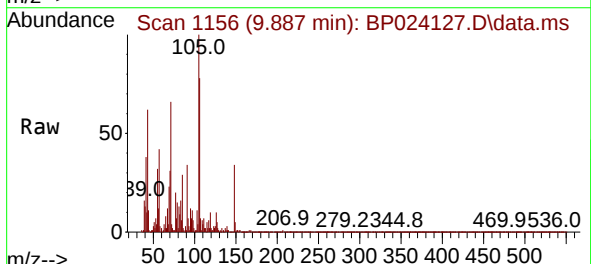
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

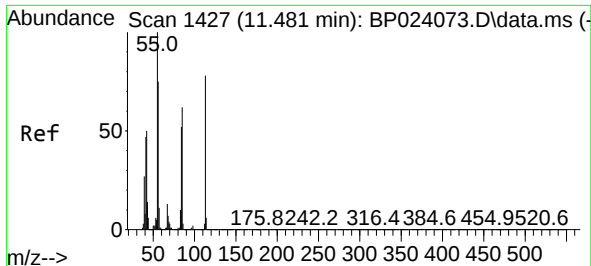
Tgt Ion: 82 Resp: 2470827
Ion Ratio Lower Upper
82 100
128 47.0 37.4 56.2
54 39.9 32.4 48.6



#32
Benzoic acid
Concen: 7.500 ng
RT: 9.887 min Scan# 1156
Delta R.T. 0.030 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:122 Resp: 346
Ion Ratio Lower Upper
122 100
105 6844.6 103.7 143.7#
77 1392.4 69.9 109.9#

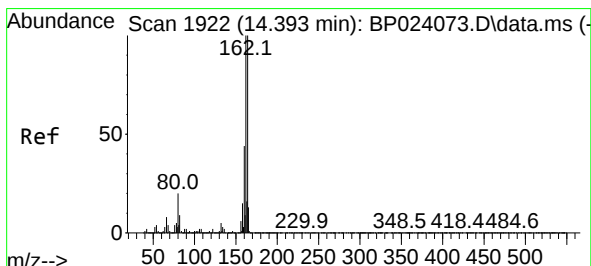
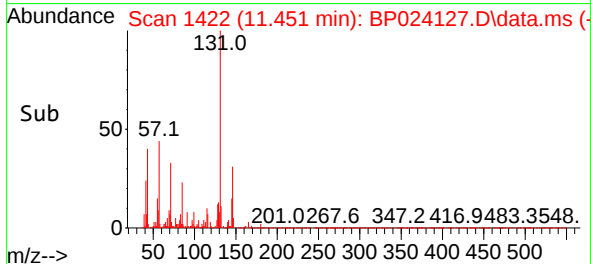
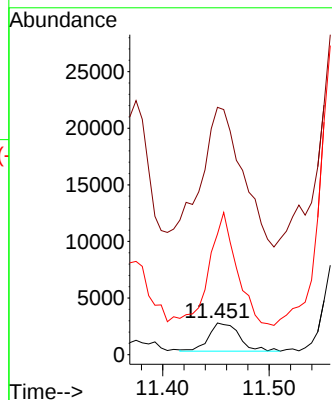
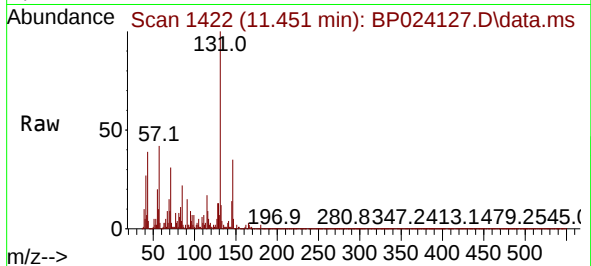




#35
Caprolactam
Concen: 5.968 ng
RT: 11.451 min Scan# 1427
Delta R.T. -0.030 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

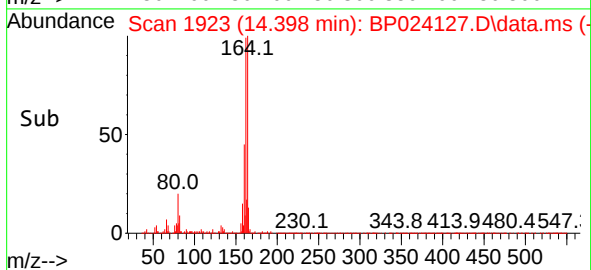
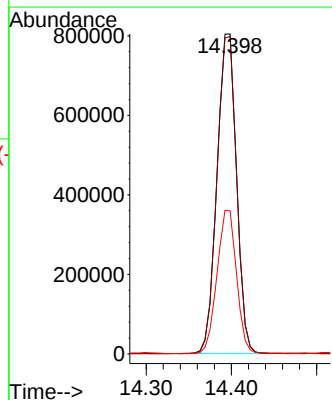
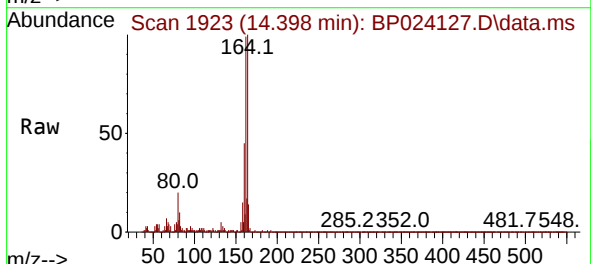
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HD-02-022625

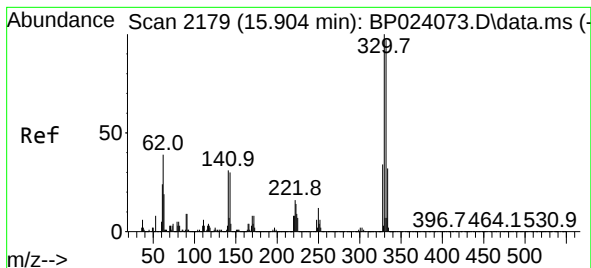
Tgt Ion:113 Resp: 4902
Ion Ratio Lower Upper
113 100
55 780.3 108.8 148.8#
56 380.5 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:164 Resp: 1279559
Ion Ratio Lower Upper
164 100
162 99.2 80.1 120.1
160 44.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 90.879 ng

RT: 15.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

Instrument :

BNA_P

ClientSampleId :

HD-02-022625

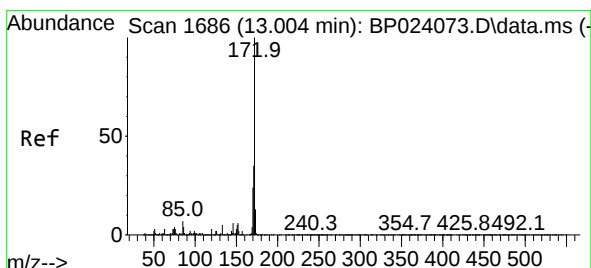
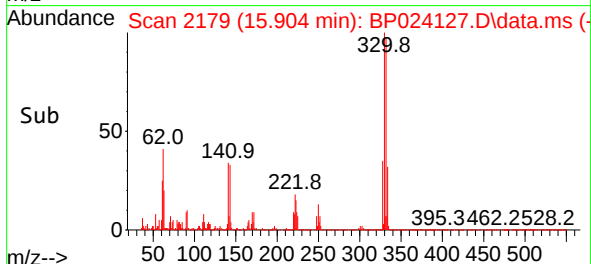
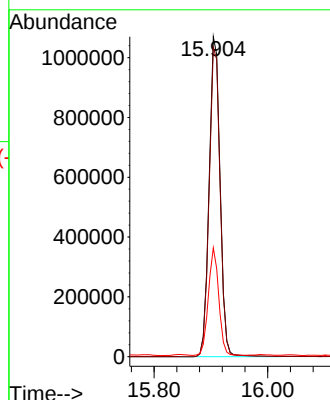
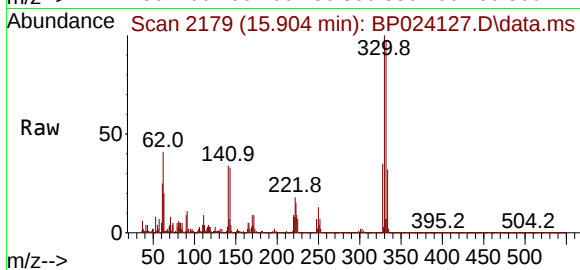
Tgt Ion:330 Resp: 1424364

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.4

141 31.9 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 56.992 ng

RT: 13.004 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

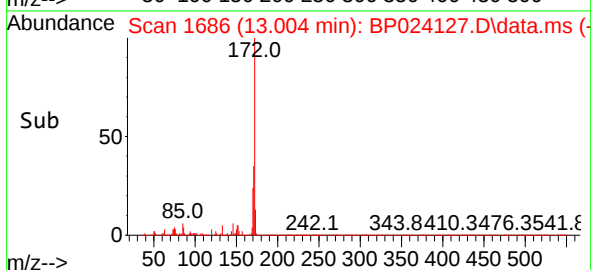
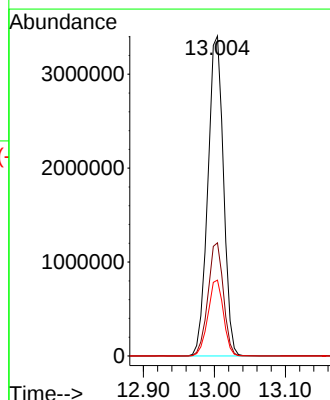
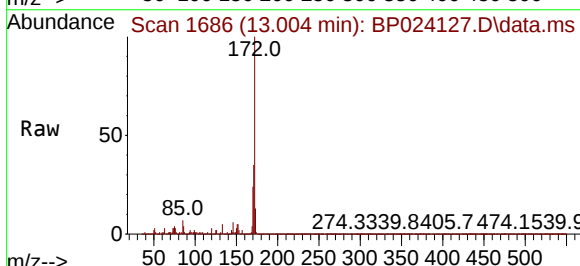
Tgt Ion:172 Resp: 5216397

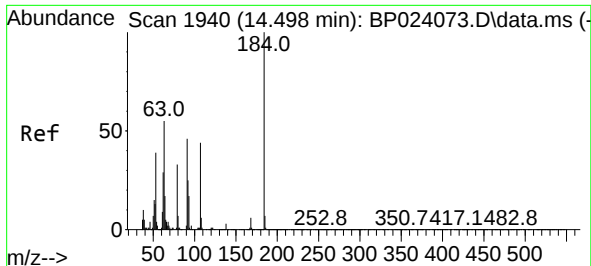
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.7 19.0 28.6

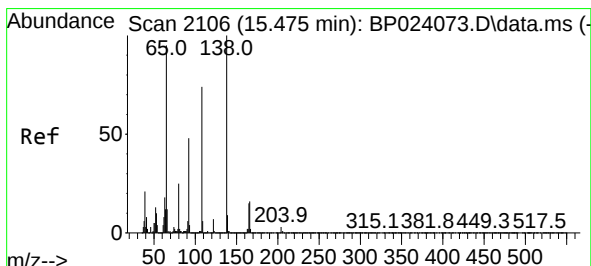
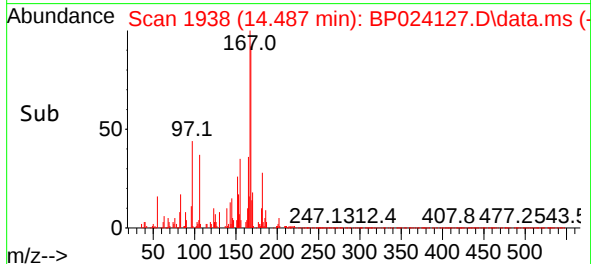
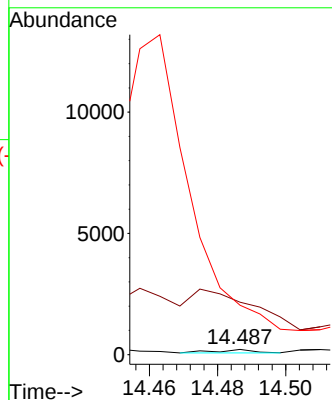
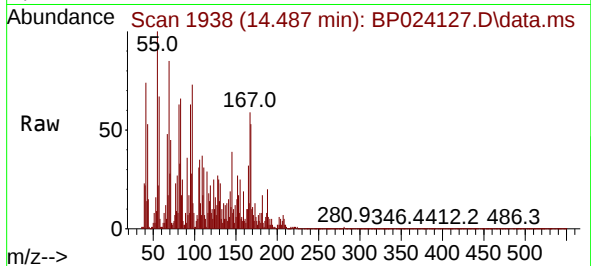




#54
2,4-Dinitrophenol
Concen: 7.788 ng
RT: 14.487 min Scan# 1938
Delta R.T. -0.011 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

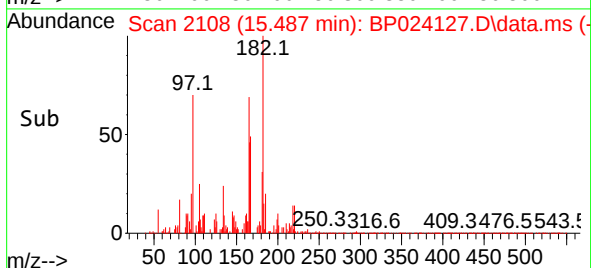
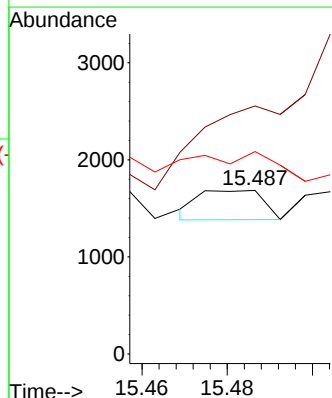
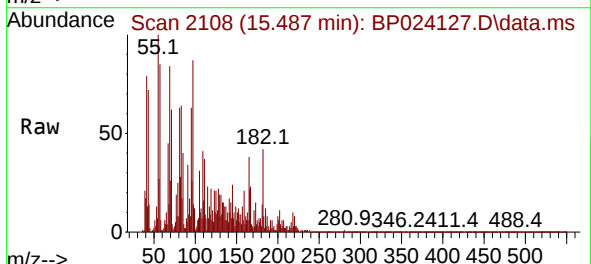
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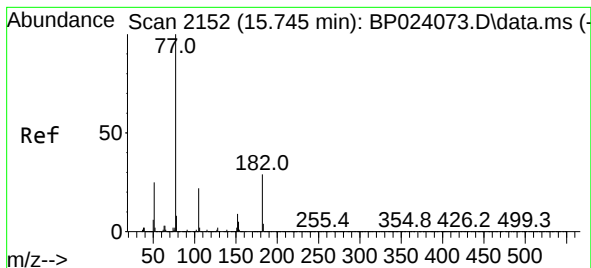
Tgt Ion:184 Resp: 112
Ion Ratio Lower Upper
184 100
63 984.1 49.4 74.0#
154 926.4 49.2 73.8#



#62
4-Nitroaniline
Concen: 3.300 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.012 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:138 Resp: 315
Ion Ratio Lower Upper
138 100
92 151.6 28.3 68.3#
108 123.8 54.0 94.0#





#63

Azobenzene

Concen: 2.932 ng

RT: 15.775 min Scan# 21

Delta R.T. 0.029 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

Instrument :

BNA_P

ClientSampleId :

HD-02-022625

Tgt Ion: 77 Resp: 246133

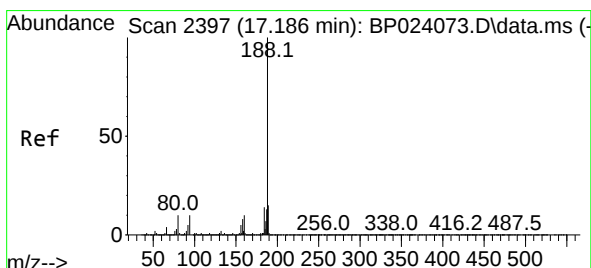
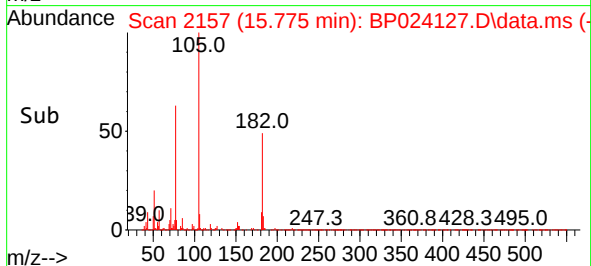
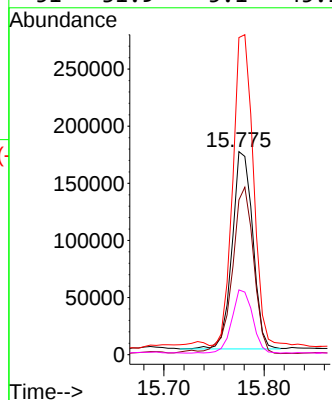
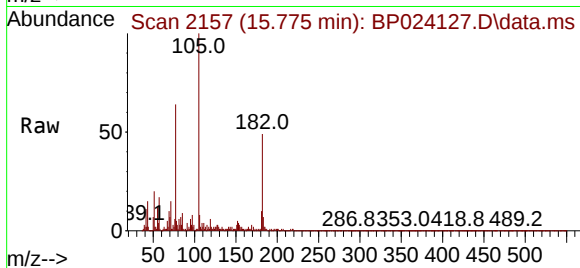
Ion Ratio Lower Upper

77 100

182 76.2 8.5 48.5#

105 156.2 1.8 41.8#

51 31.9 5.1 45.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2400

Delta R.T. 0.018 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

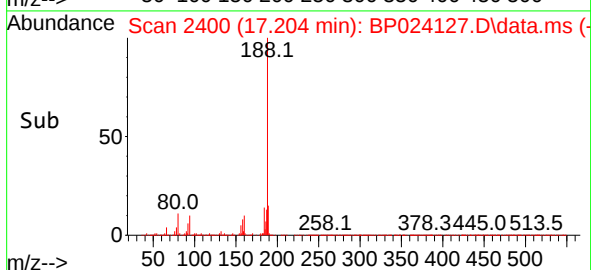
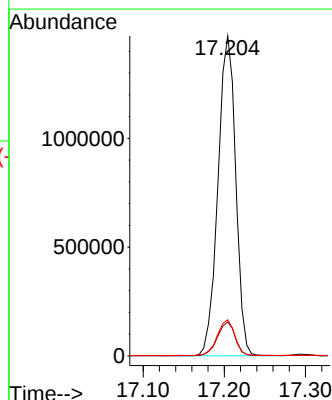
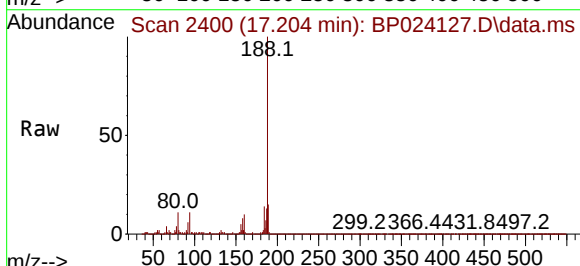
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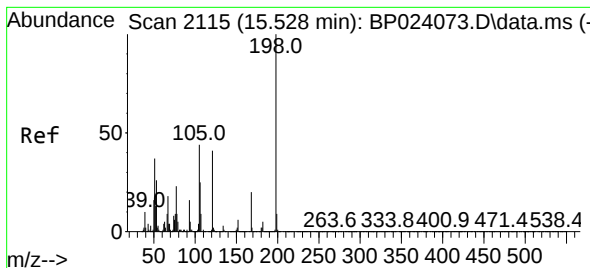
Ion Ratio Lower Upper

188 100

94 10.6 7.6 11.4

80 11.3 8.2 12.2

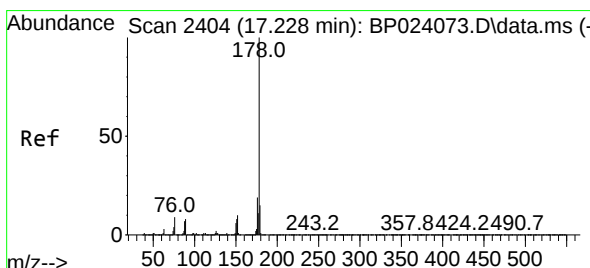
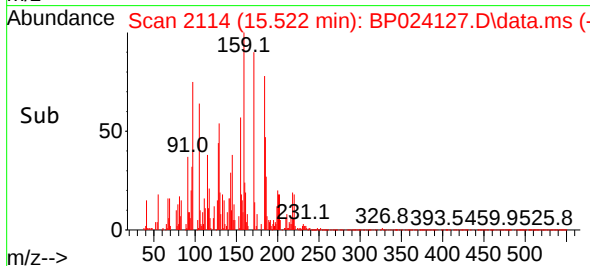
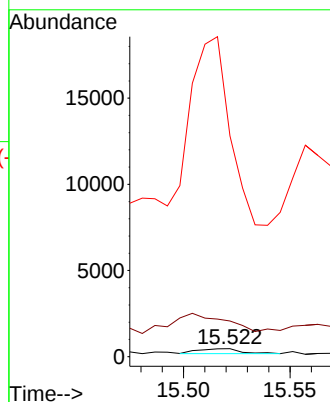
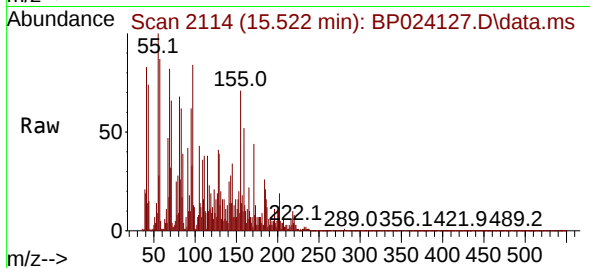




#65
4,6-Dinitro-2-methylphenol
Concen: 6.033 ng
RT: 15.522 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

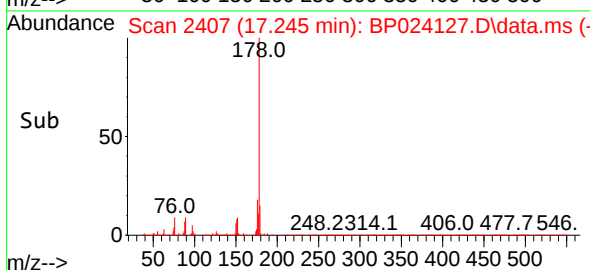
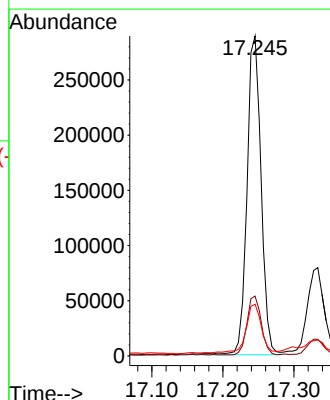
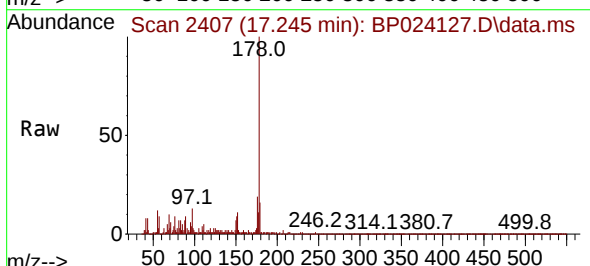
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

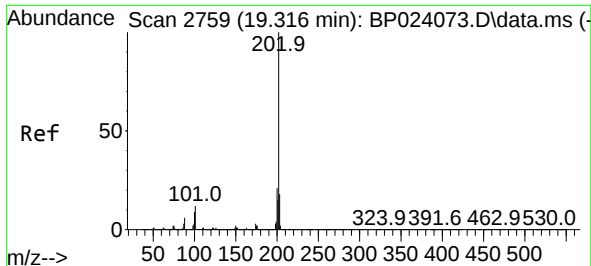
Tgt Ion:198 Resp: 400
Ion Ratio Lower Upper
198 100
51 449.5 18.7 58.7#
105 2778.3 24.7 64.7#



#71
Phenanthrene
Concen: 3.152 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.018 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:178 Resp: 397619
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 16.1 12.4 18.6

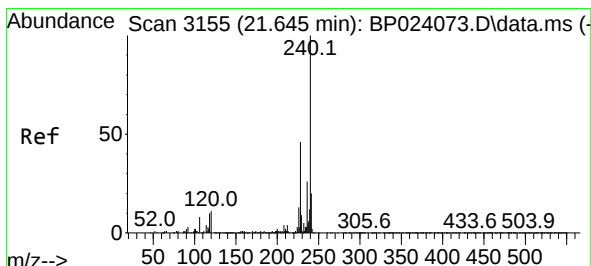
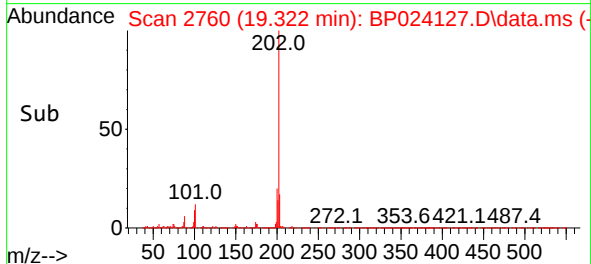
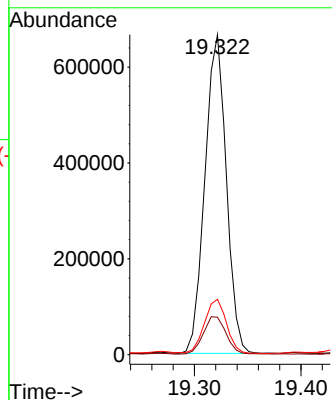
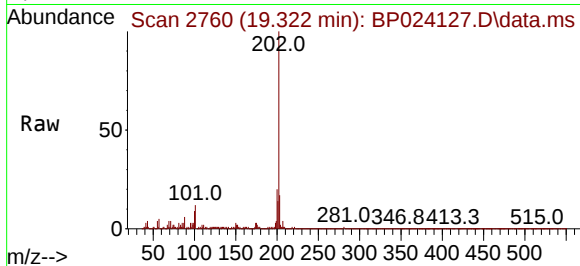




#75
Fluoranthene
Concen: 6.499 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

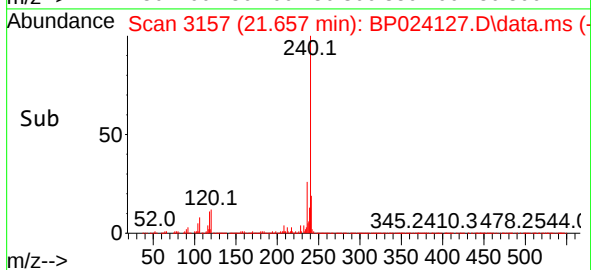
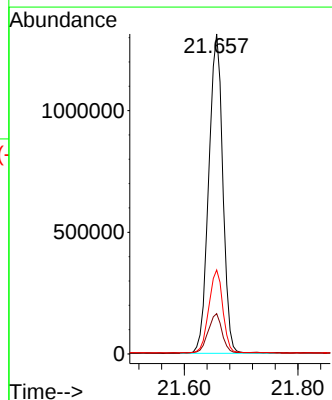
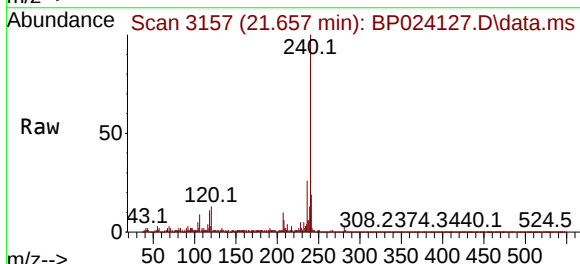
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

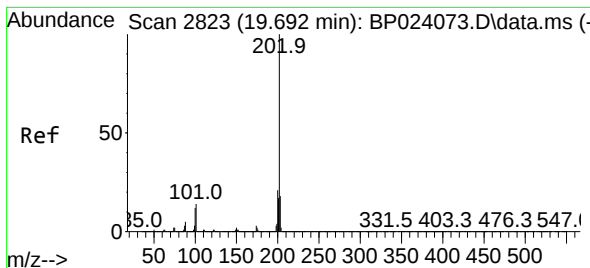
Tgt Ion:202 Resp: 927389
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.012 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:240 Resp: 2241853
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 26.2 20.7 31.1





#78

Pyrene

Concen: 6.401 ng

RT: 19.698 min Scan# 2823

Delta R.T. 0.006 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

Instrument :

BNA_P

ClientSampleId :

HD-02-022625

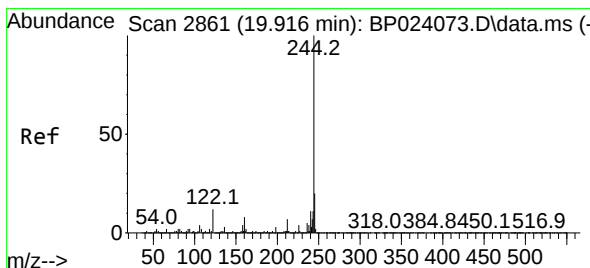
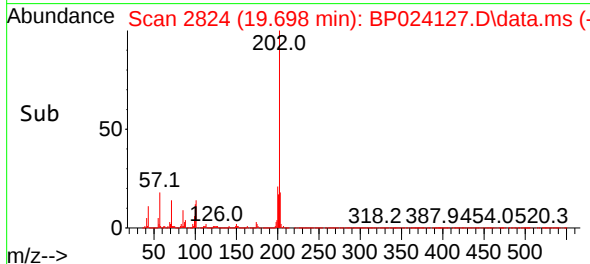
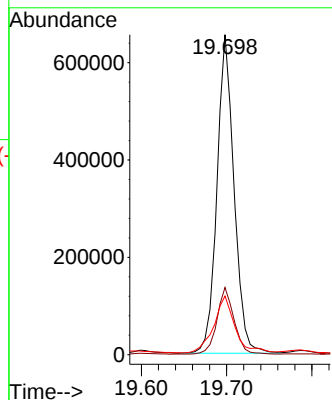
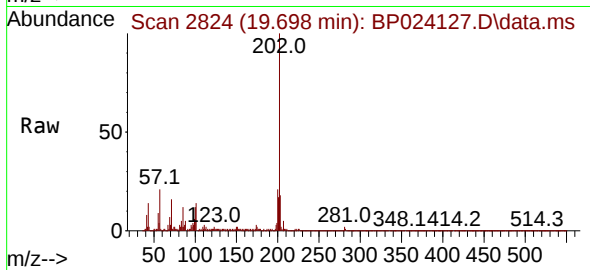
Tgt Ion:202 Resp: 911513

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.4 14.4 21.6



#79

Terphenyl-d14

Concen: 57.541 ng

RT: 19.927 min Scan# 2863

Delta R.T. 0.012 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

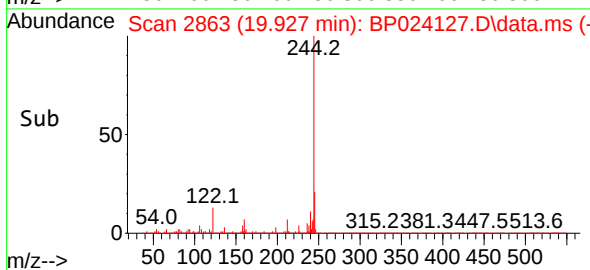
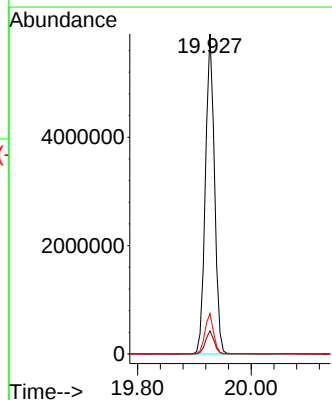
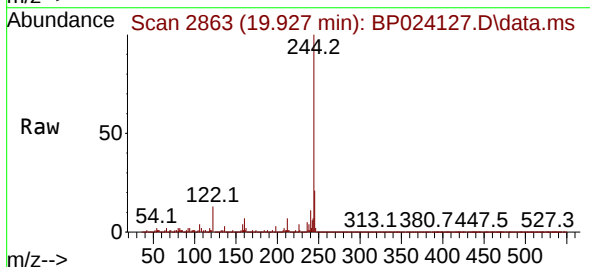
Tgt Ion:244 Resp: 6519201

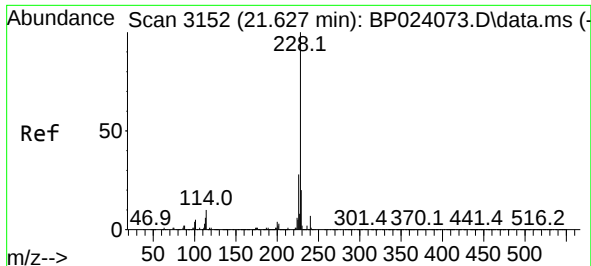
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 12.7 9.4 14.2

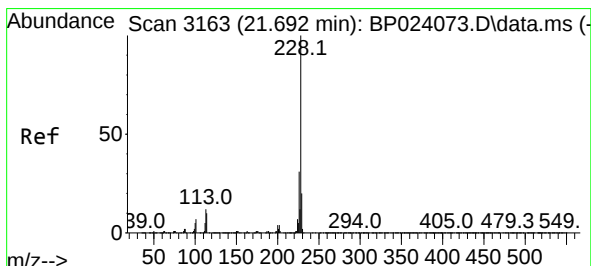
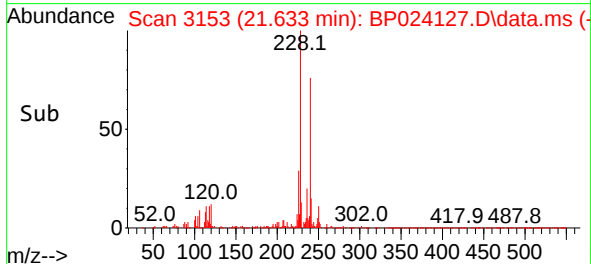
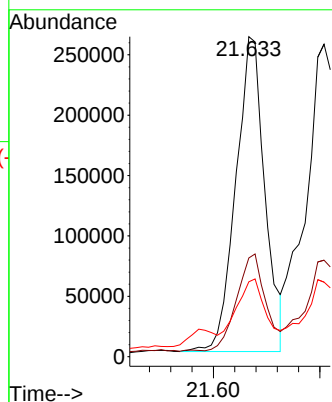
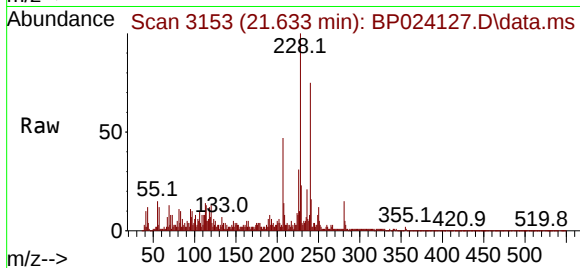




#81
Benzo(a)anthracene
Concen: 3.507 ng
RT: 21.633 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

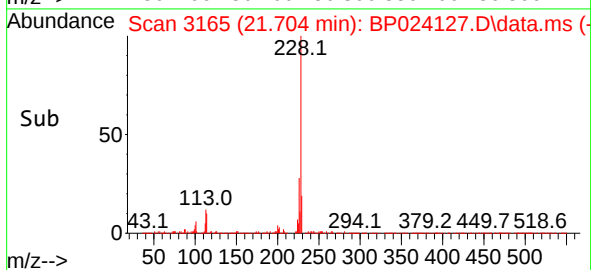
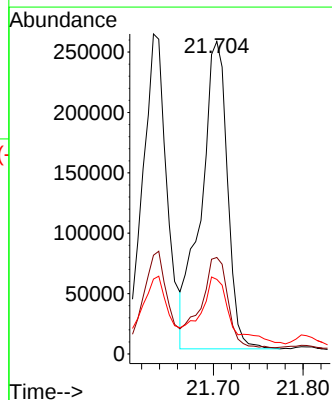
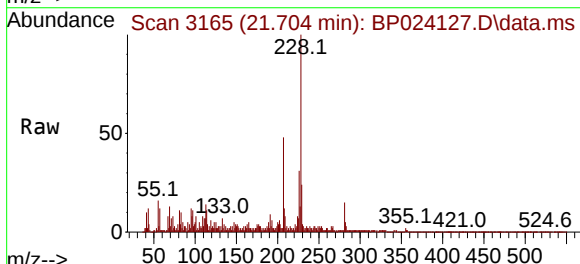
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

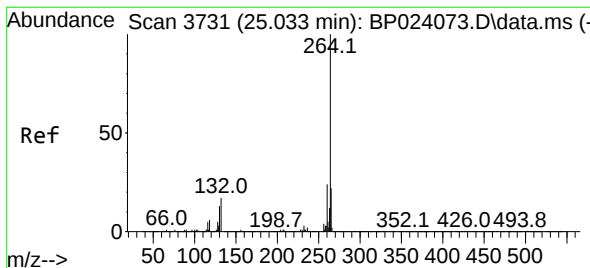
Tgt Ion:228 Resp: 492930
Ion Ratio Lower Upper
228 100
226 30.9 22.2 33.4
229 23.4 15.8 23.8



#83
Chrysene
Concen: 3.848 ng
RT: 21.704 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:228 Resp: 521654
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 23.8 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.051 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

Instrument :

BNA_P

ClientSampleId :

HD-02-022625

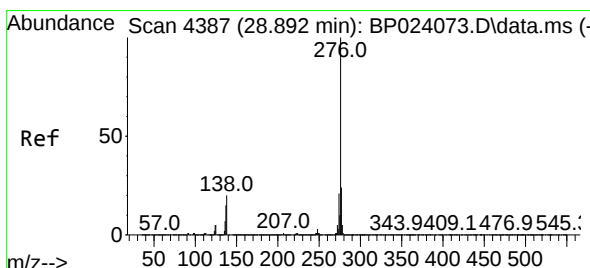
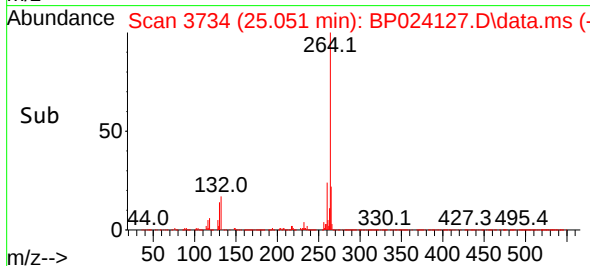
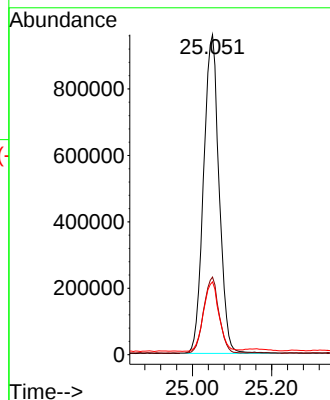
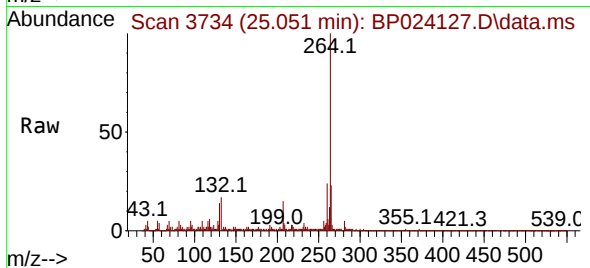
Tgt Ion:264 Resp: 2601637

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.7 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.184 ng

RT: 28.898 min Scan# 4388

Delta R.T. 0.006 min

Lab File: BP024127.D

Acq: 27 Feb 2025 19:57

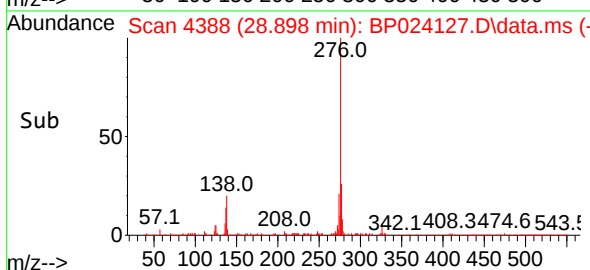
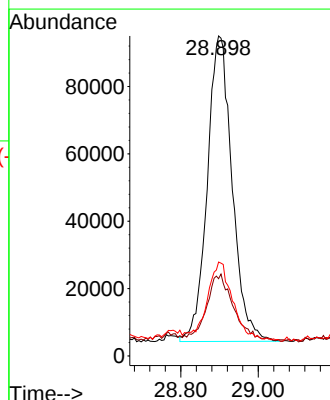
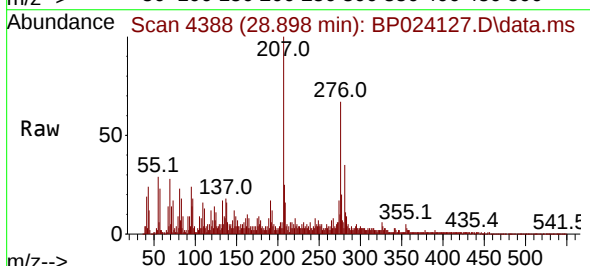
Tgt Ion:276 Resp: 404130

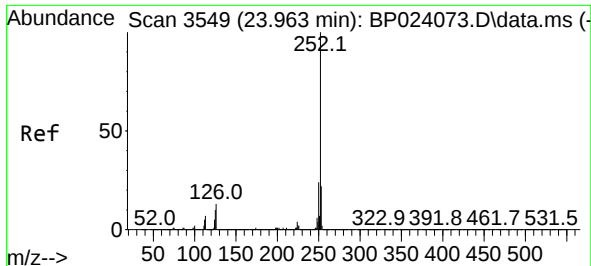
Ion Ratio Lower Upper

276 100

138 22.2 14.2 21.4#

277 24.7 16.2 24.4#

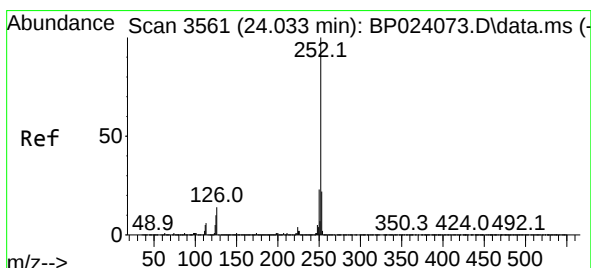
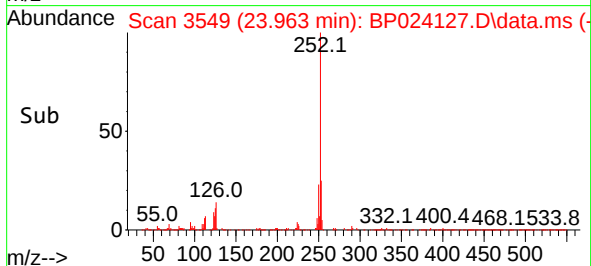
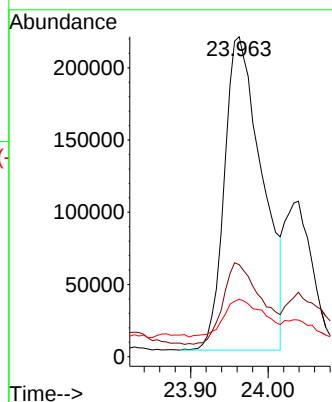
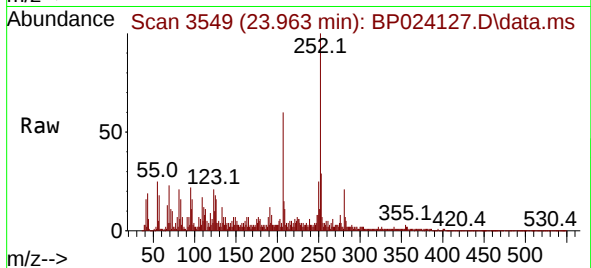




#88
Benzo(b)fluoranthene
Concen: 4.449 ng
RT: 23.963 min Scan# 3549
Delta R.T. -0.000 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

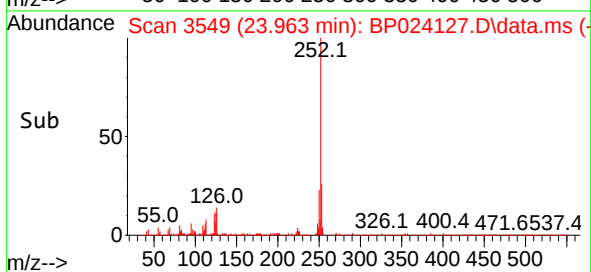
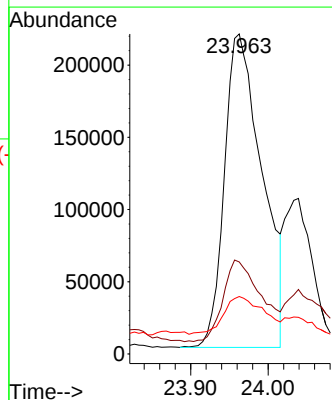
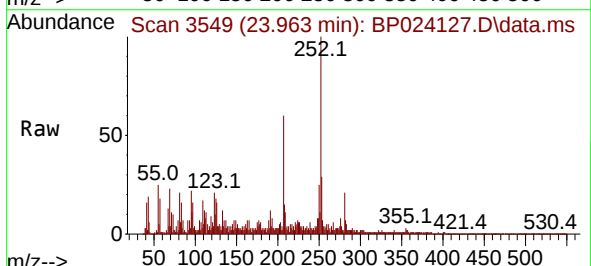
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

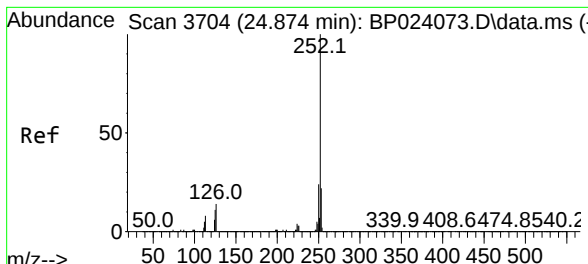
Tgt Ion:252 Resp: 735092
Ion Ratio Lower Upper
252 100
253 28.8 17.8 26.6#
125 17.9 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 23.963 min Scan# 3549
Delta R.T. -0.071 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Tgt Ion:252 Resp: 735092
Ion Ratio Lower Upper
252 100
253 28.8 17.8 26.6#
125 17.9 8.1 12.1#

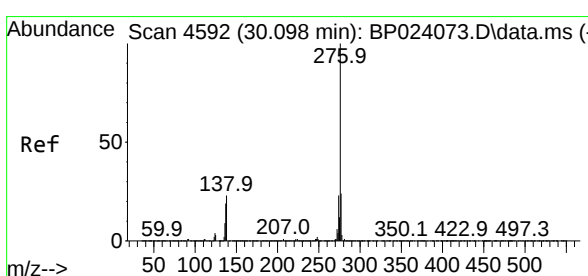
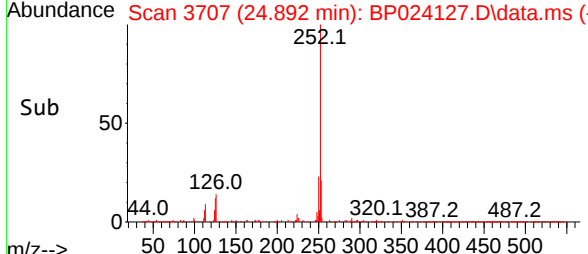
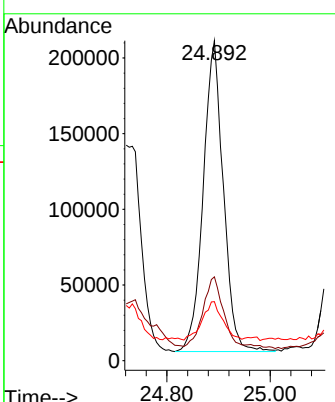
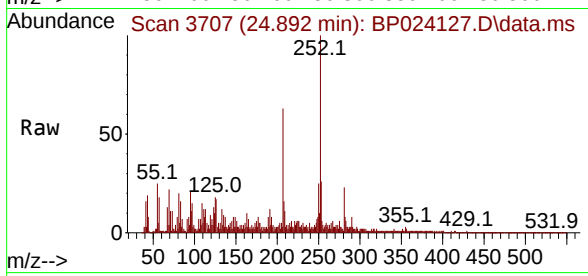




#90
 Benzo(a)pyrene
 Concen: 3.955 ng
 RT: 24.892 min Scan# 31
 Delta R.T. 0.018 min
 Lab File: BP024127.D
 Acq: 27 Feb 2025 19:57

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022625

Tgt Ion:	252	Resp:	554461
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.6	26.4
125	18.4	8.8	13.2#



#92
 Benzo(g,h,i)perylene
 Concen: 2.753 ng
 RT: 30.098 min Scan# 4592
 Delta R.T. -0.000 min
 Lab File: BP024127.D
 Acq: 27 Feb 2025 19:57

Tgt Ion:	276	Resp:	434689
Ion Ratio	Lower	Upper	
276	100		
277	27.9	18.9	28.3
138	25.8	18.1	27.1

