

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)

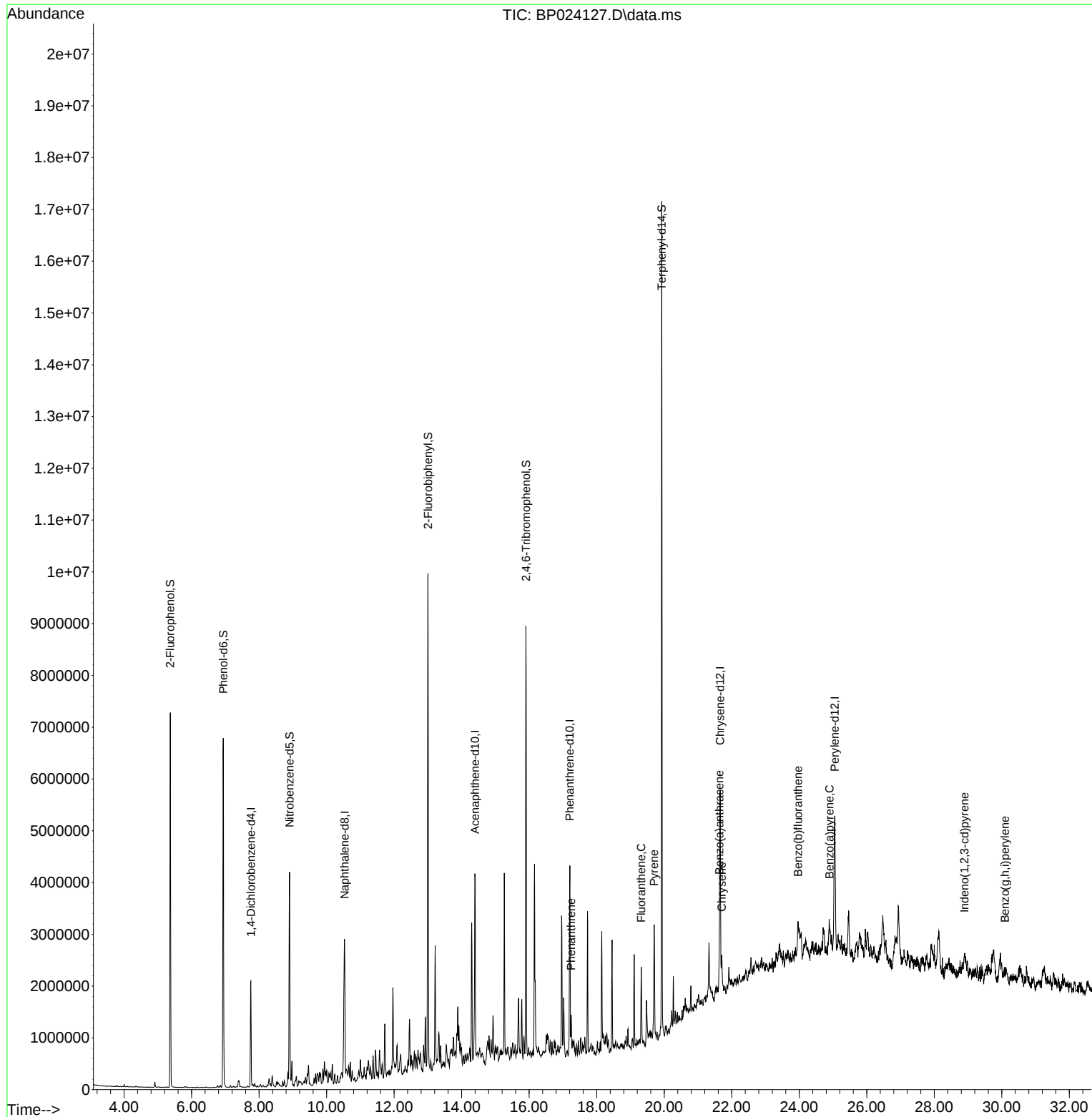
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	569519	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	2243164	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	1279559	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	2237805	20.000	ng	0.02
76) Chrysene-d12	21.657	240	2241853	20.000	ng	0.01
86) 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
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
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

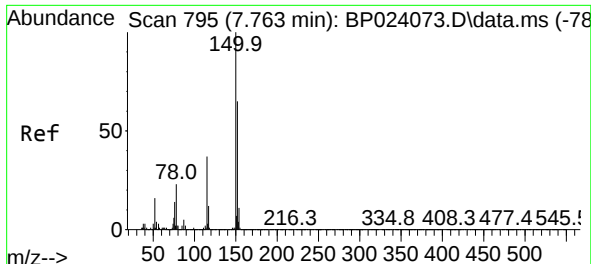
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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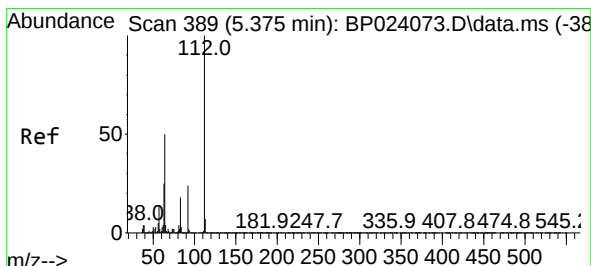
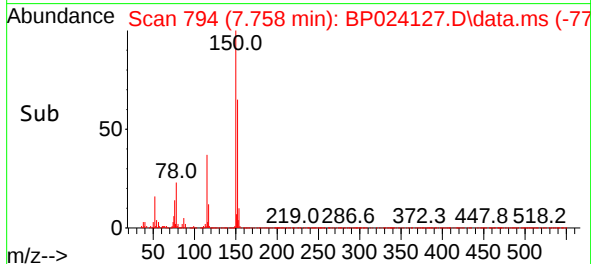
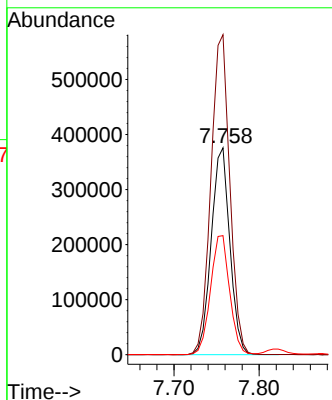
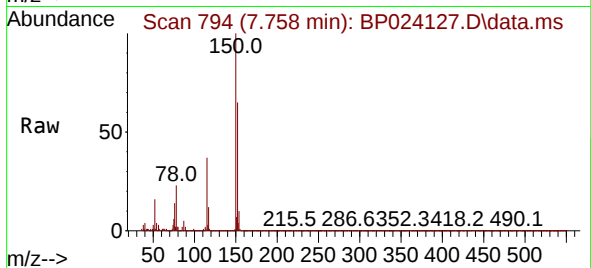




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024127.D
 Acq: 27 Feb 2025 19:57

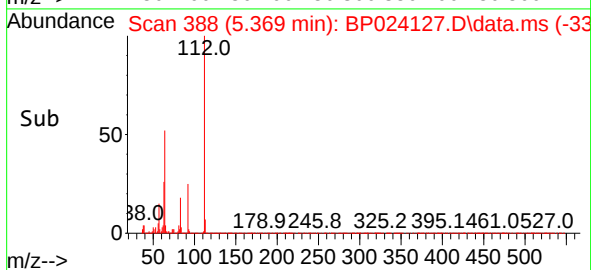
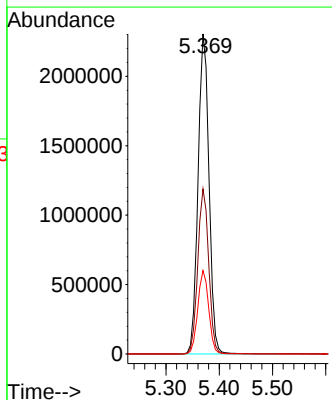
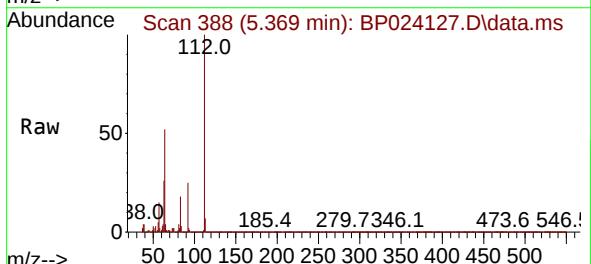
Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022625

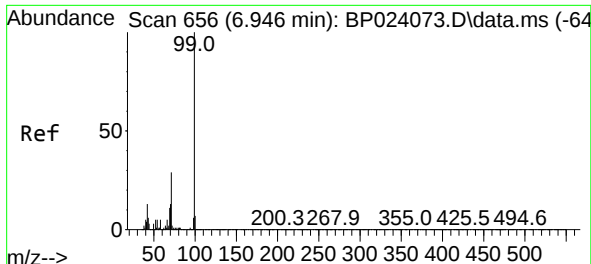
Tgt Ion:152 Resp: 569519
 Ion Ratio Lower Upper
 152 100
 150 154.6 122.4 183.6
 115 57.5 45.0 67.6



#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



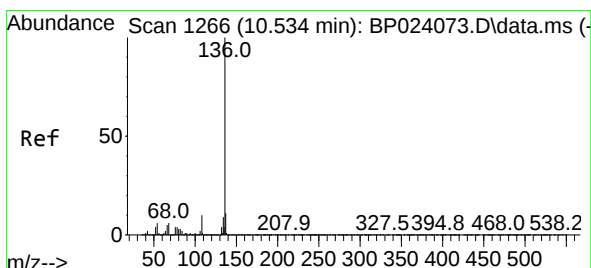
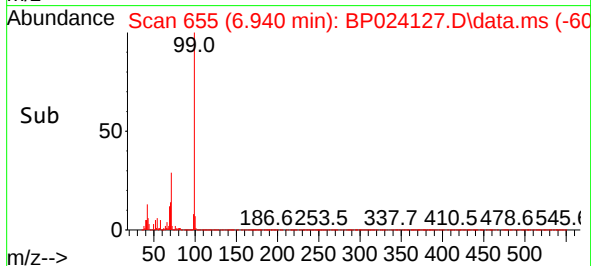
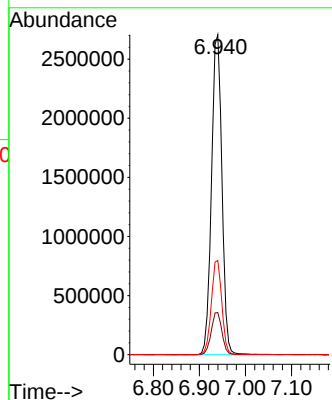
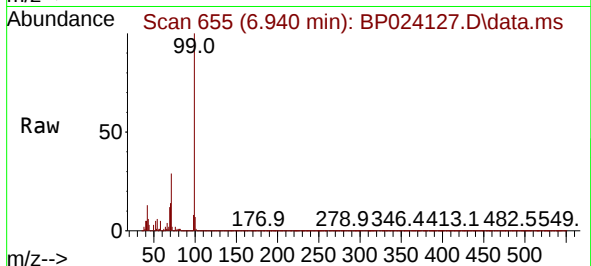


#7
Phenol-d6
Concen: 90.894 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

Instrument :
BNA_P
ClientSampleId :
HD-02-022625

Tgt Ion: 99 Resp: 4263942

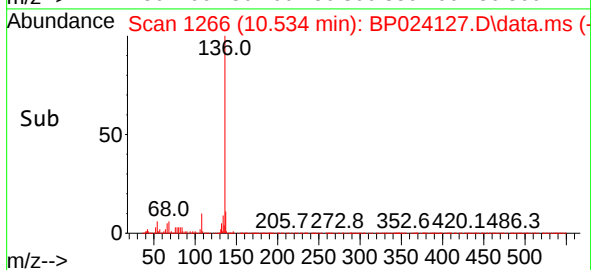
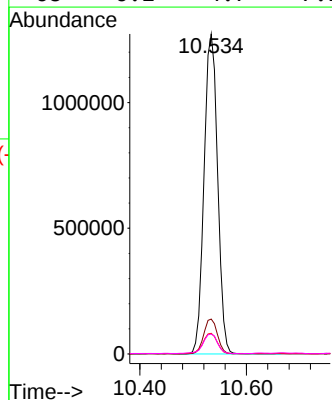
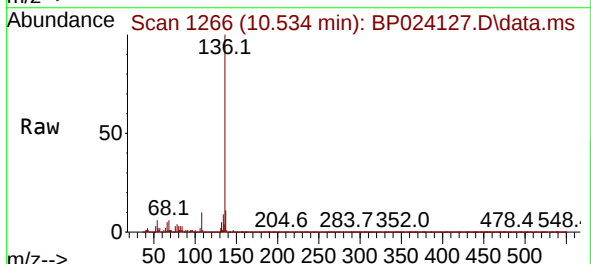
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.3	15.5
71	29.5	22.9	34.3

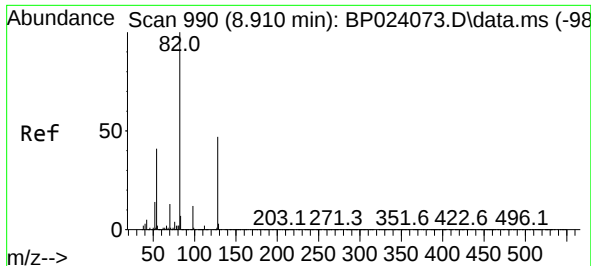


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

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

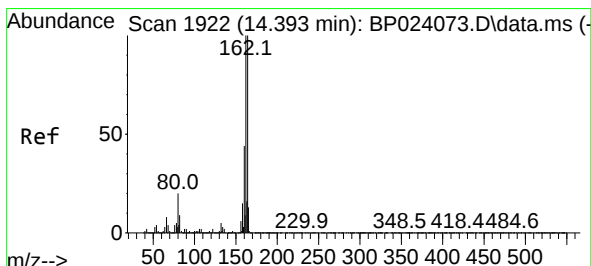
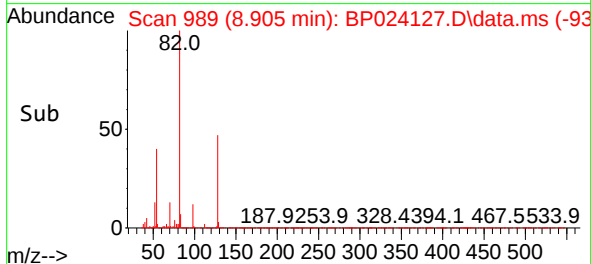
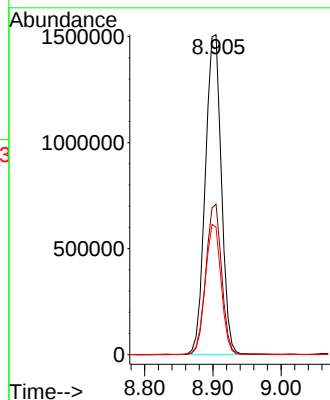
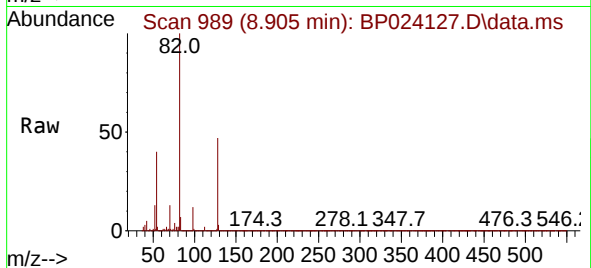




#23
Nitrobenzene-d5
Concen: 61.451 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

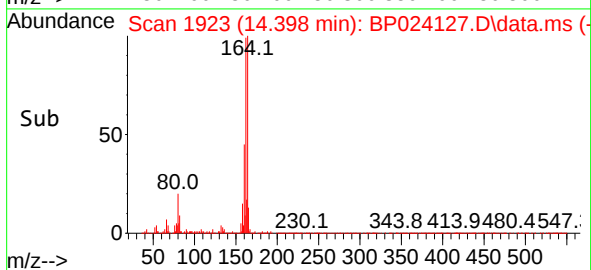
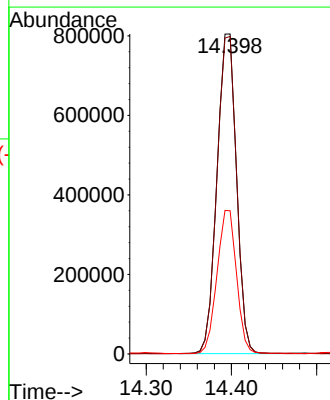
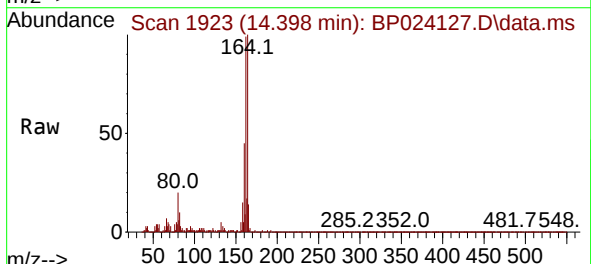
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

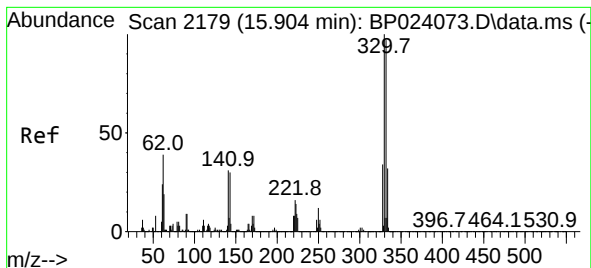
Tgt Ion: 82 Resp: 2470827
Ion Ratio Lower Upper
82 100
128 47.0 37.4 56.2
54 39.9 32.4 48.6



#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

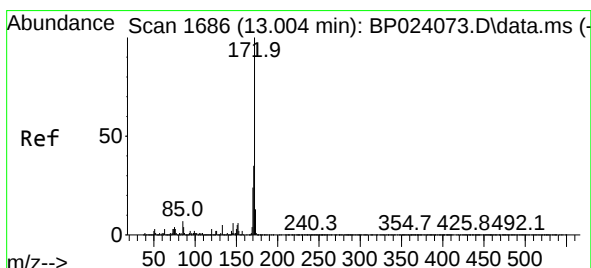
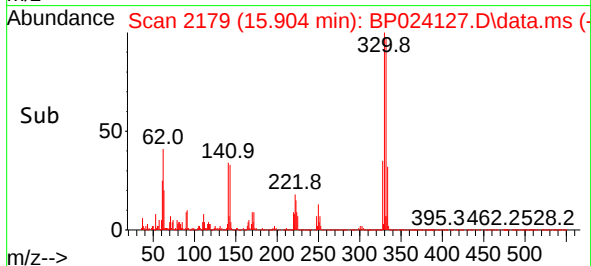
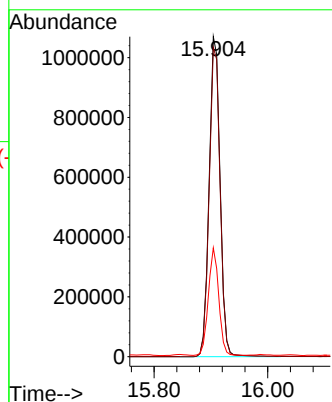
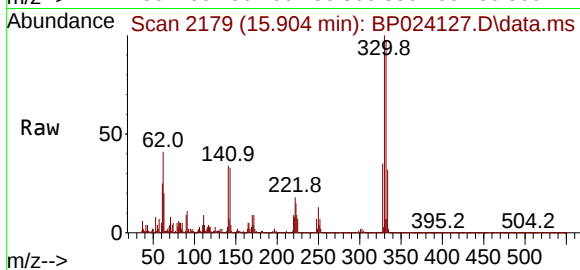
Tgt Ion:330 Resp: 1424364

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

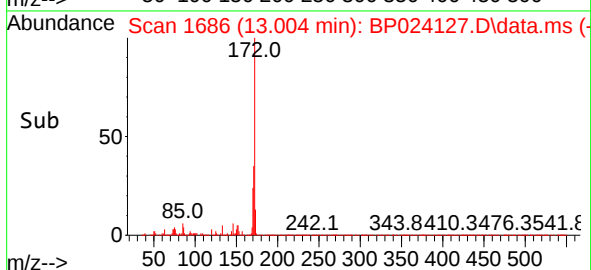
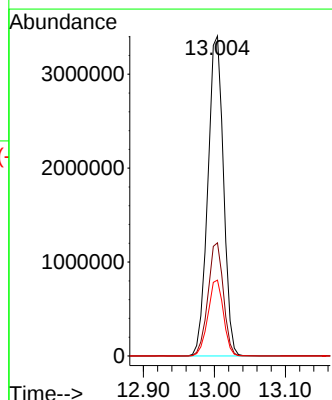
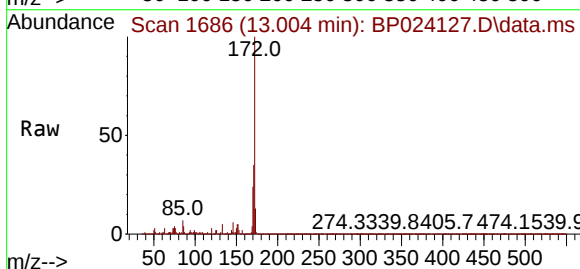
Tgt Ion:172 Resp: 5216397

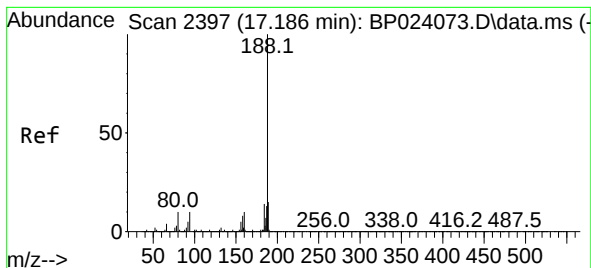
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.7 19.0 28.6





#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

Instrument :

BNA_P

ClientSampleId :

HD-02-022625

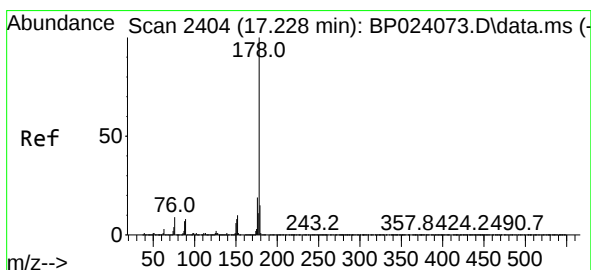
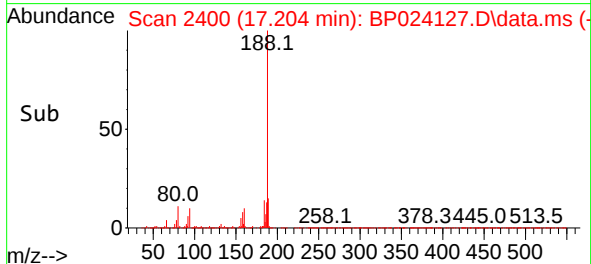
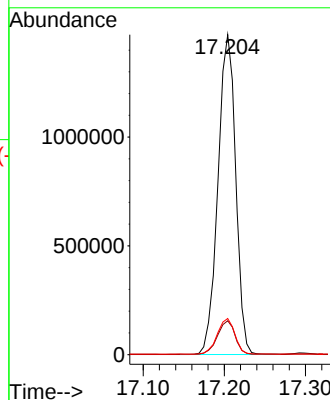
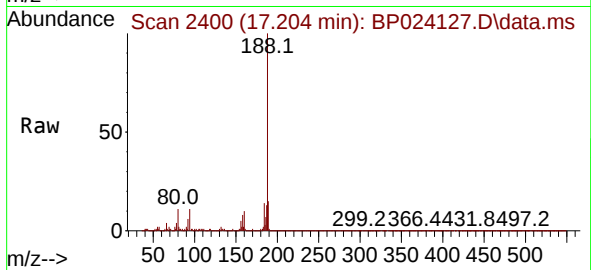
Tgt Ion:188 Resp: 2237805

Ion Ratio Lower Upper

188 100

94 10.6 7.6 11.4

80 11.3 8.2 12.2



#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

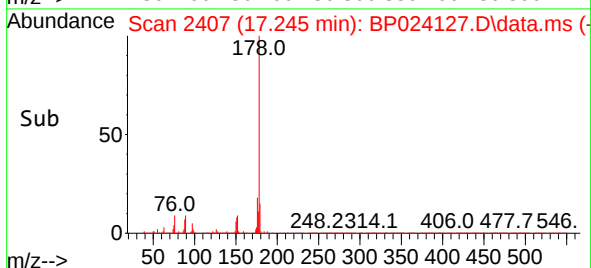
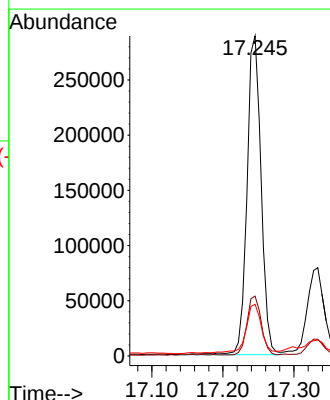
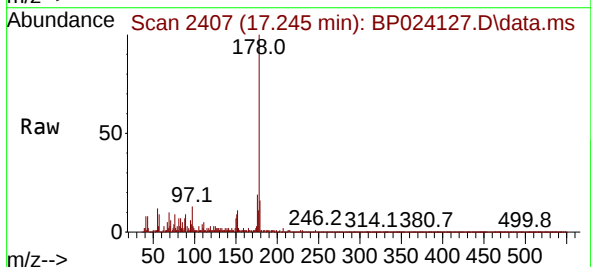
Tgt Ion:178 Resp: 397619

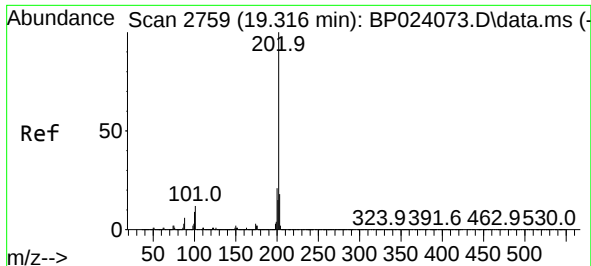
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 16.1 12.4 18.6

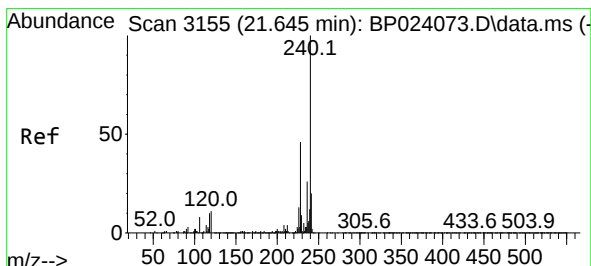
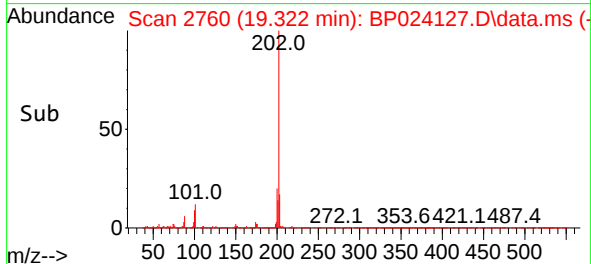
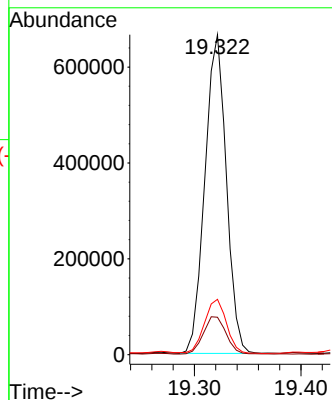
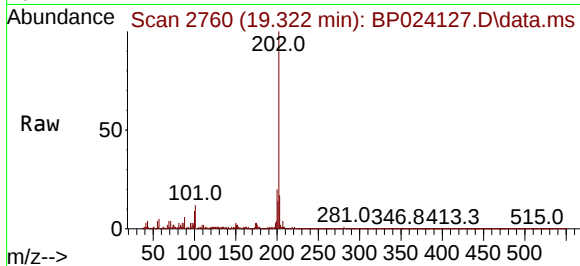




#75
Fluoranthene
Concen: 6.499 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

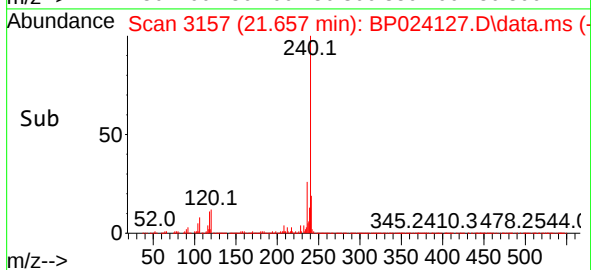
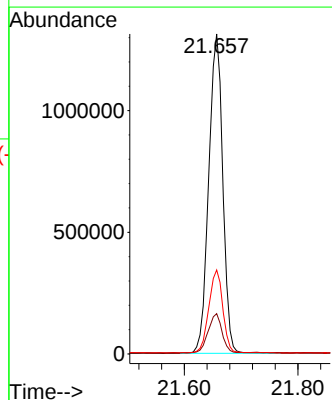
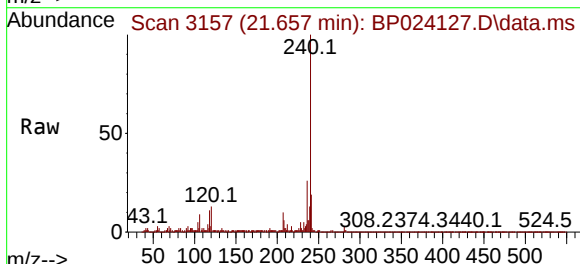
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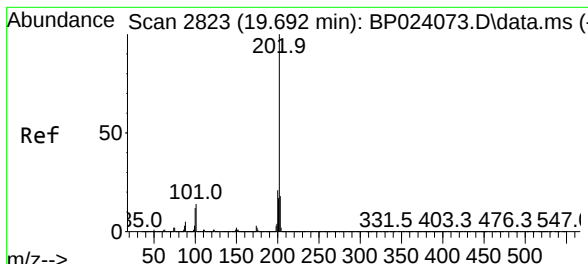
Tgt Ion:202 Resp: 927389
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.3 0.0 37.7



#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

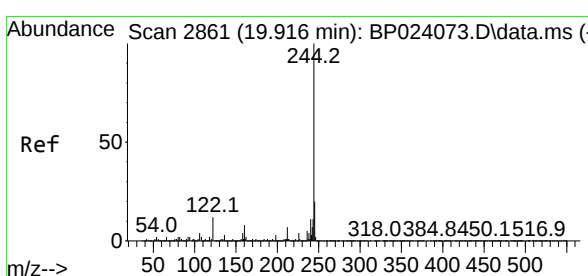
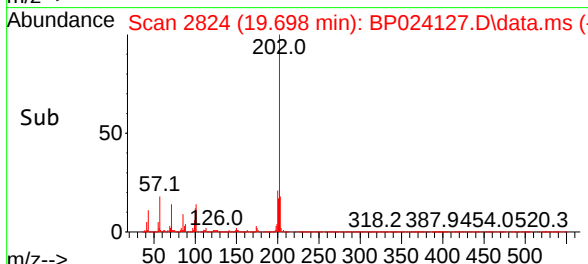
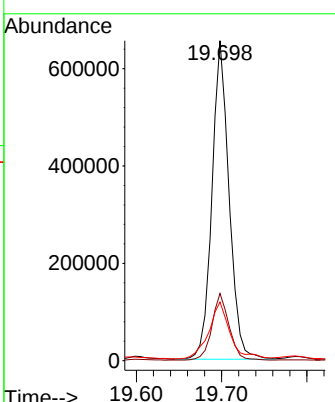
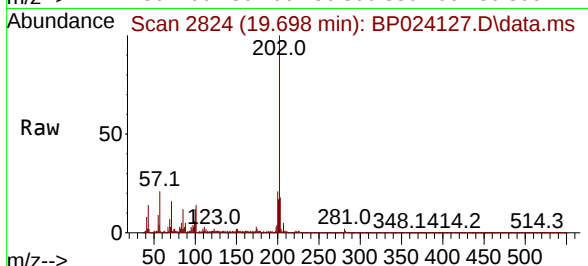




#78
 Pyrene
 Concen: 6.401 ng
 RT: 19.698 min Scan# 2824
 Delta R.T. 0.006 min
 Lab File: BP024127.D
 Acq: 27 Feb 2025 19:57

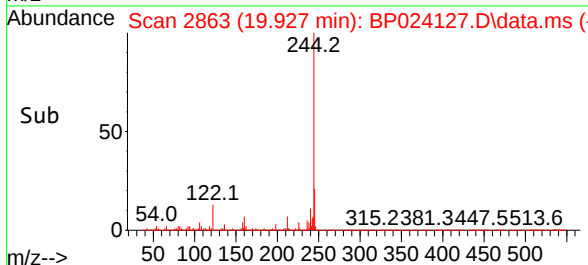
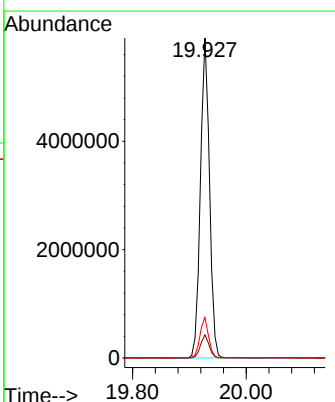
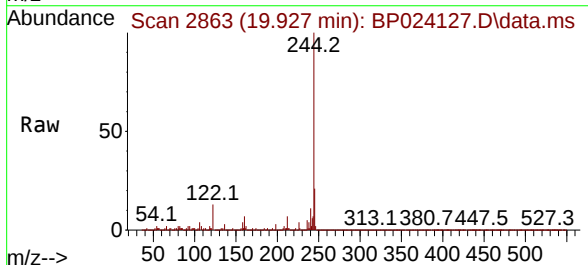
Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022625

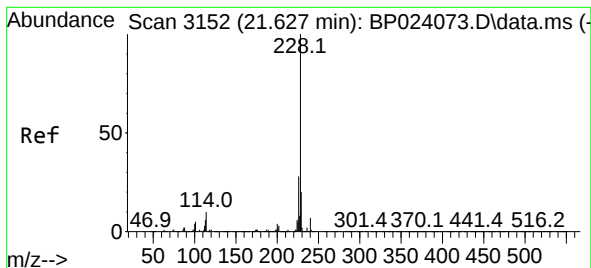
Tgt Ion:	202	Resp:	911513
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	18.4	14.4	21.6



#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

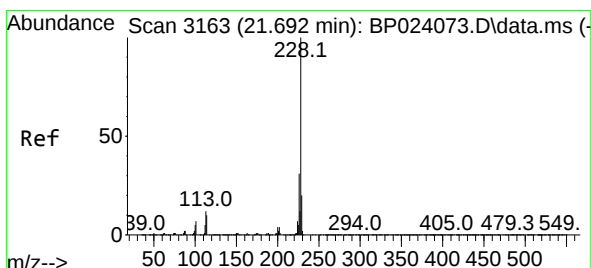
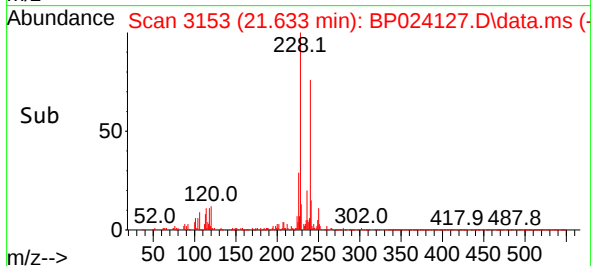
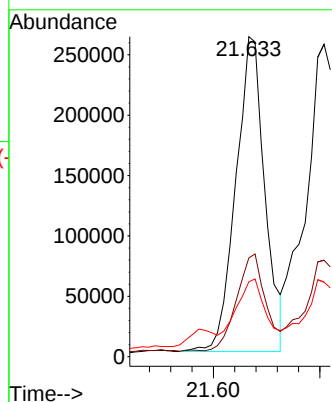
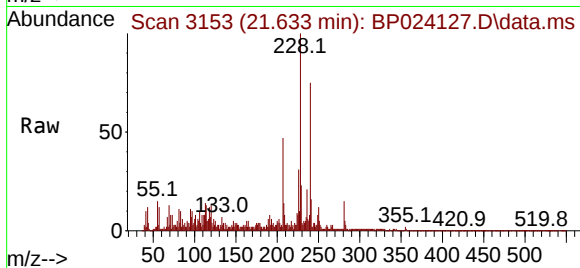
Tgt Ion:228 Resp: 492930

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

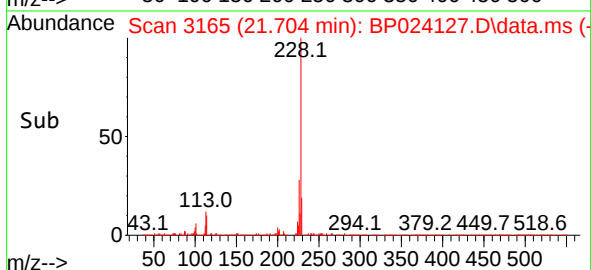
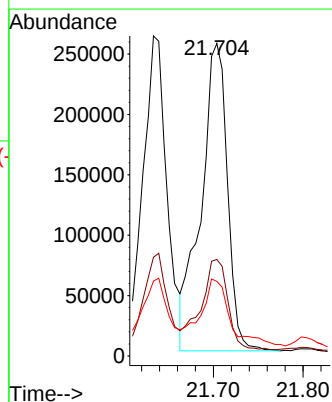
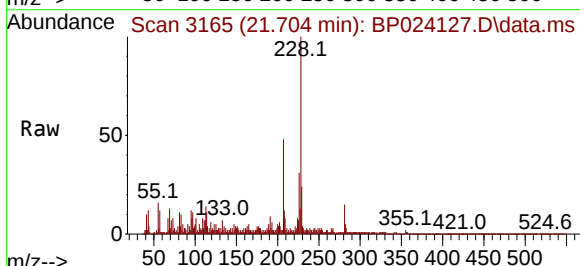
Tgt Ion:228 Resp: 521654

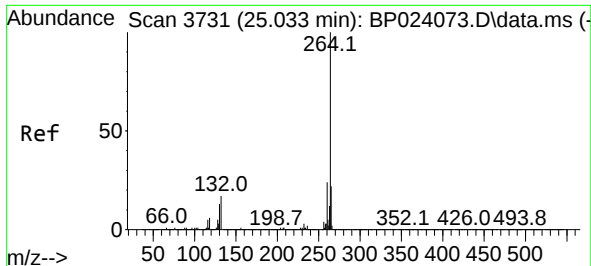
Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 23.8 16.1 24.1

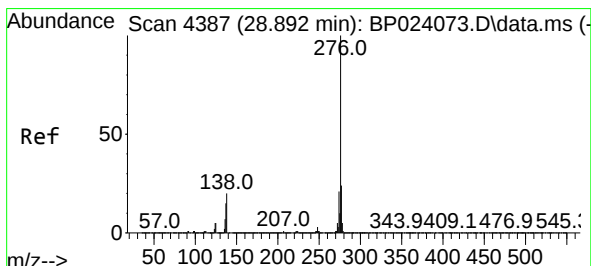
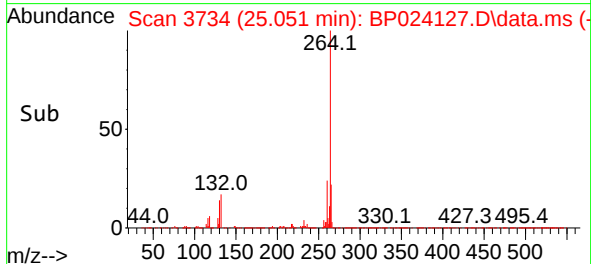
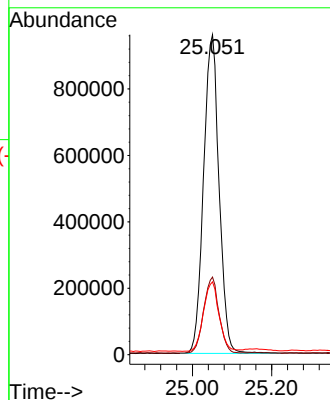
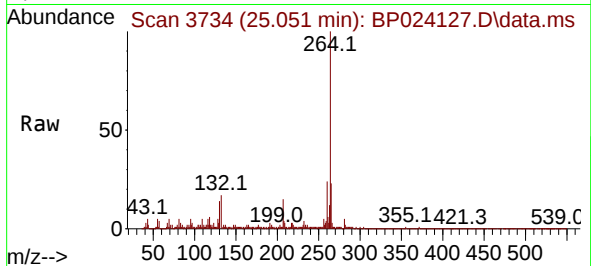




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.051 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

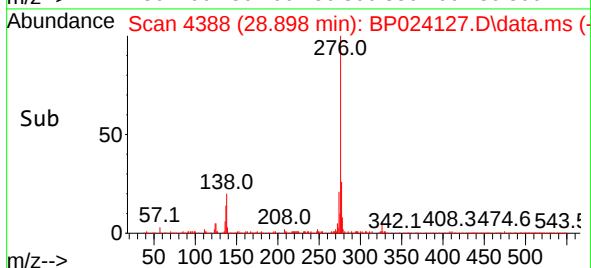
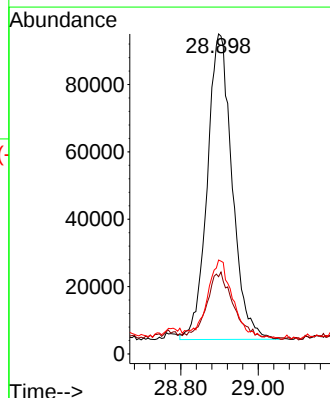
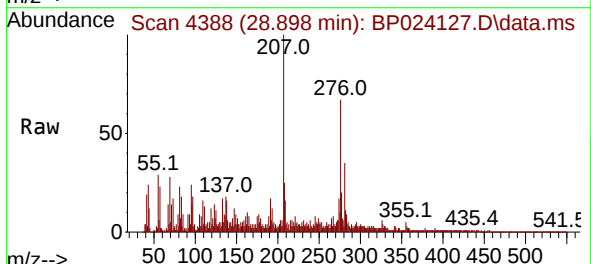
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

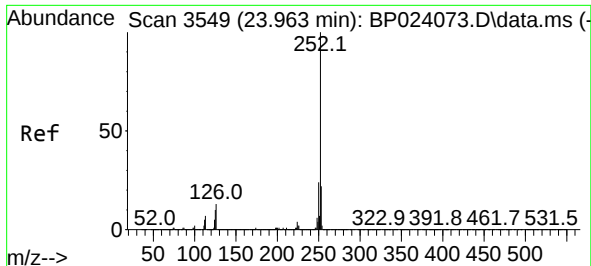
Tgt Ion:264 Resp: 2601637
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.7 17.8 26.8



#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#

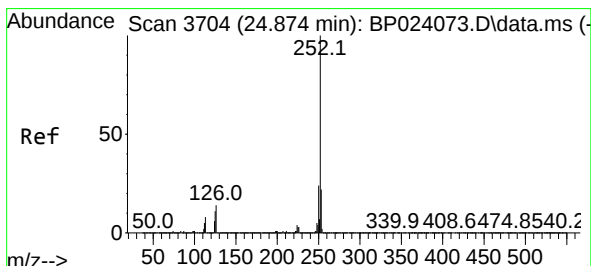
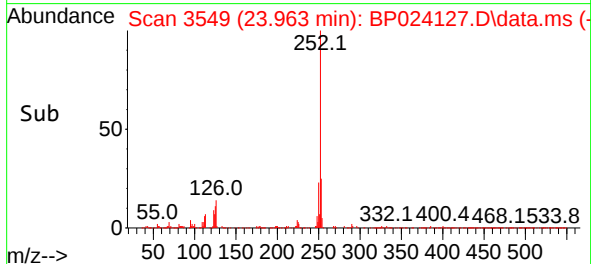
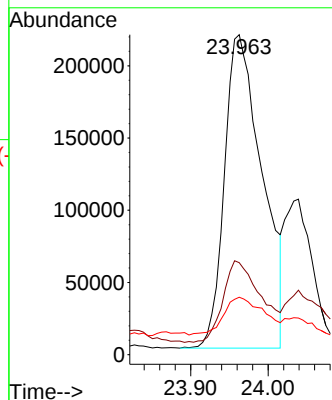
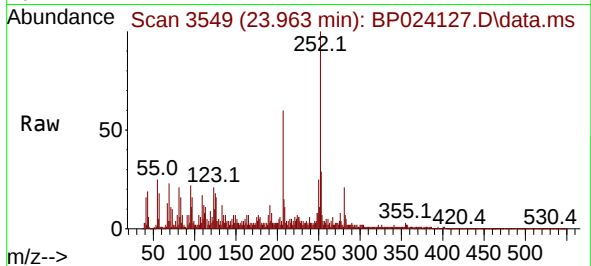




#88
Benzo(b)fluoranthene
Concen: 4.449 ng
RT: 23.963 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

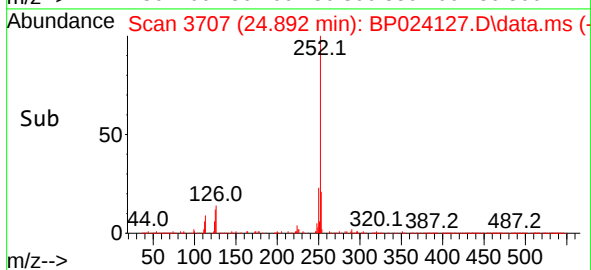
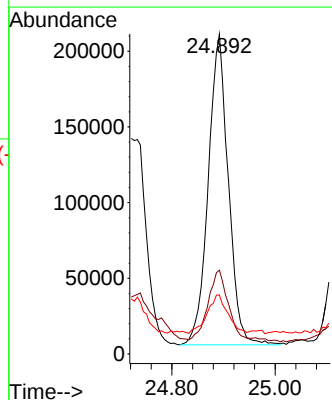
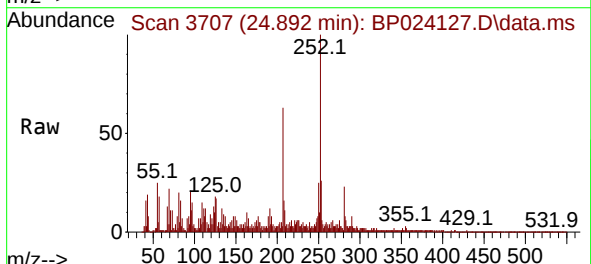
Instrument :
BNA_P
ClientSampleId :
HD-02-022625

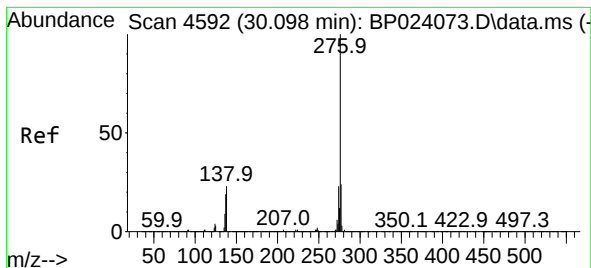
Tgt Ion:252 Resp: 735092
Ion Ratio Lower Upper
252 100
253 28.8 17.8 26.6#
125 17.9 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 3.955 ng
RT: 24.892 min Scan# 3707
Delta R.T. 0.018 min
Lab File: BP024127.D
Acq: 27 Feb 2025 19:57

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# 4

Delta R.T. -0.000 min

Lab File: BP024127.D

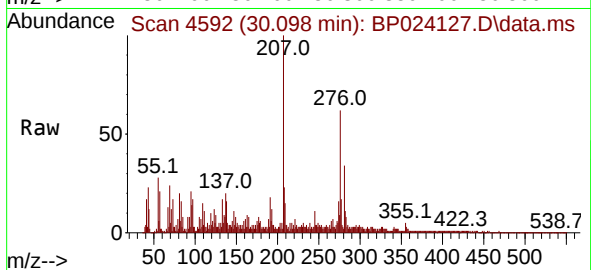
Acq: 27 Feb 2025 19:57

Instrument :

BNA_P

ClientSampleId :

HD-02-022625



Tgt Ion:276 Resp: 434689

Ion Ratio Lower Upper

276 100

277 27.9 18.9 28.3

138 25.8 18.1 27.1

