

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
 Data File : BP024128.D
 Acq On : 27 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1440-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-022625

Quant Time: Feb 28 00:13:22 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)

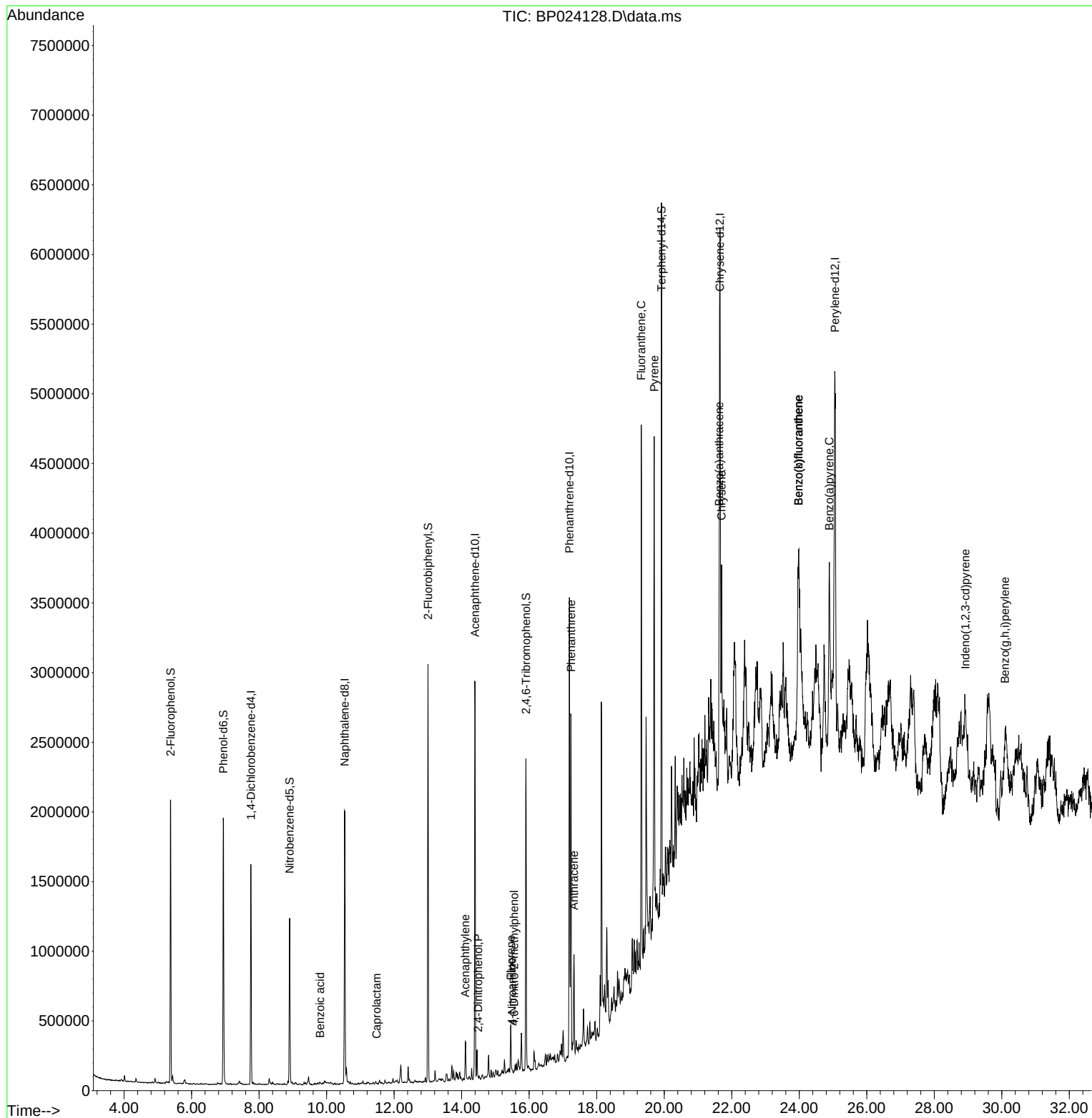
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	438453	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1670092	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	983989	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1903621	20.000	ng	0.00
76) Chrysene-d12	21.651	240	2077266	20.000	ng	0.00
86) Perylene-d12	25.057	264	2484334	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	954966	33.985	ng	0.00
7) Phenol-d6	6.940	99	1195708	33.108	ng	0.00
23) Nitrobenzene-d5	8.905	82	683238	22.823	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	436589	36.223	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	1528075	21.710	ng	0.00
79) Terphenyl-d14	19.922	244	2359103	22.472	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.804	122	6147	7.766	ng	91
35) Caprolactam	11.481	113	154	5.590	ng	# 1
49) Acenaphthylene	14.110	152	214354	2.517	ng	99
54) 2,4-Dinitrophenol	14.492	184	77	7.787	ng	# 1
58) Fluorene	15.457	166	167547	2.408	ng	99
62) 4-Nitroaniline	15.492	138	245	3.300	ng	# 65
65) 4,6-Dinitro-2-methylph...	15.557	198	217	6.025	ng	# 1
71) Phenanthrene	17.239	178	1486319	13.849	ng	99
72) Anthracene	17.328	178	475670	4.625	ng	99
75) Fluoranthene	19.322	202	2230218	18.372	ng	99
78) Pyrene	19.704	202	2102224	15.932	ng	99
81) Benzo(a)anthracene	21.627	228	1027829	7.891	ng	95
83) Chrysene	21.698	228	1042397	8.299	ng	97
87) Indeno(1,2,3-cd)pyrene	28.921	276	741462	4.195	ng	# 87
88) Benzo(b)fluoranthene	23.980	252	1343078	8.513	ng	# 91
89) Benzo(k)fluoranthene	23.980	252	1343078	8.746	ng	# 91
90) Benzo(a)pyrene	24.886	252	1074734	8.027	ng	# 94
92) Benzo(g,h,i)perylene	30.098	276	359948	2.387	ng	95

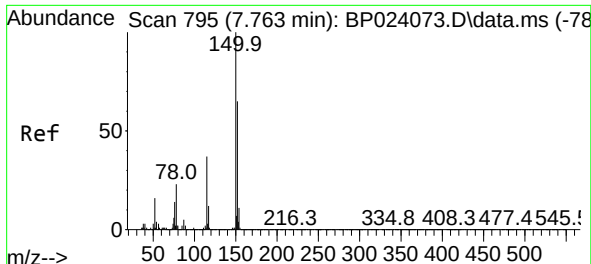
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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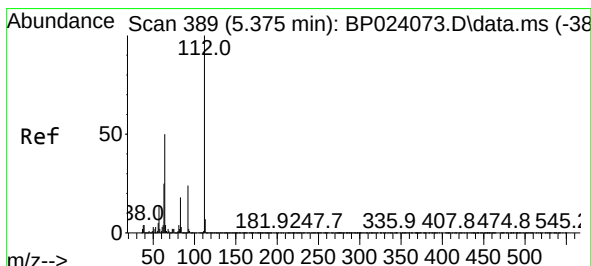
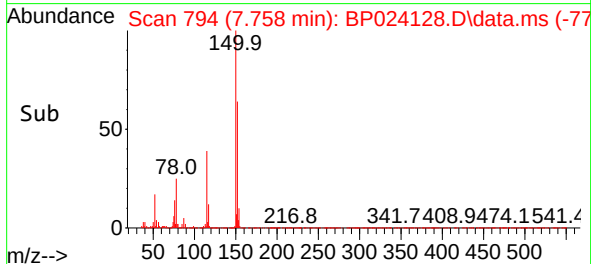
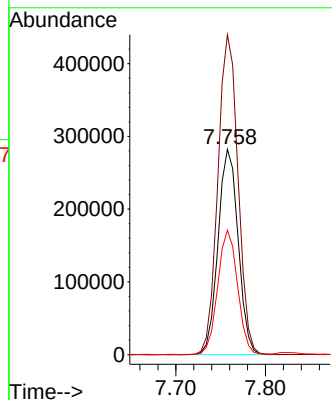
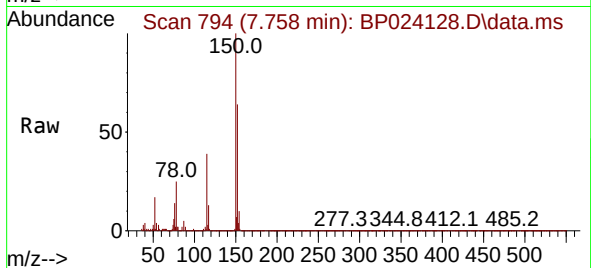




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024128.D
 Acq: 27 Feb 2025 20:38

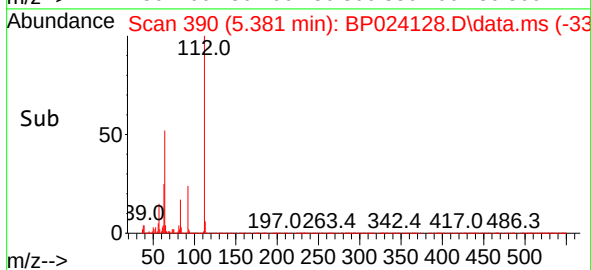
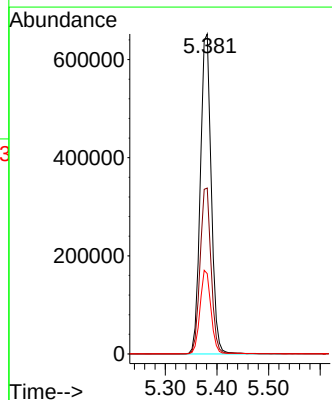
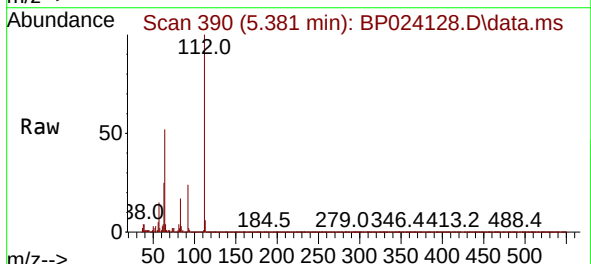
Instrument :
 BNA_P
 ClientSampleId :
 OR-02-022625

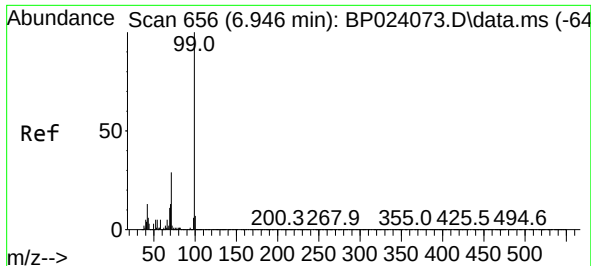
Tgt Ion:152 Resp: 438453
 Ion Ratio Lower Upper
 152 100
 150 155.8 122.4 183.6
 115 60.6 45.0 67.6



#5
 2-Fluorophenol
 Concen: 33.985 ng
 RT: 5.381 min Scan# 390
 Delta R.T. 0.006 min
 Lab File: BP024128.D
 Acq: 27 Feb 2025 20:38

Tgt Ion:112 Resp: 954966
 Ion Ratio Lower Upper
 112 100
 64 51.9 39.6 59.4
 63 25.1 20.3 30.5



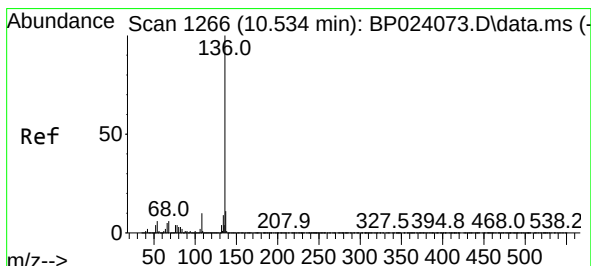
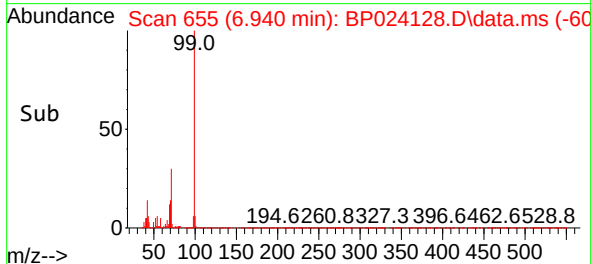
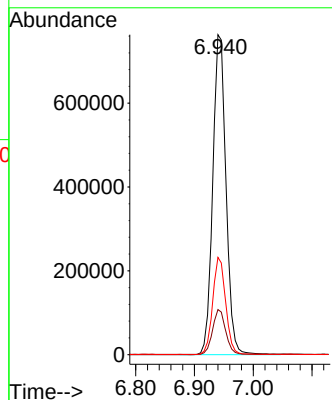
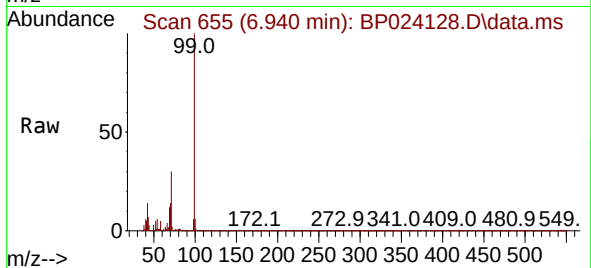


#7
Phenol-d6
Concen: 33.108 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Instrument :
BNA_P
ClientSampleId :
OR-02-022625

Tgt Ion: 99 Resp: 1195708

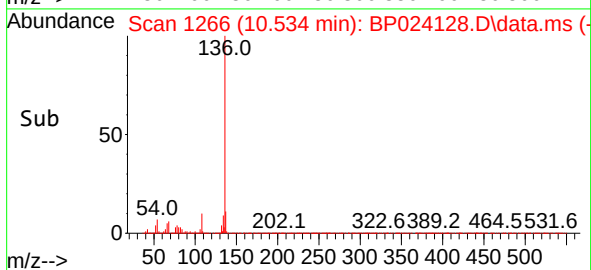
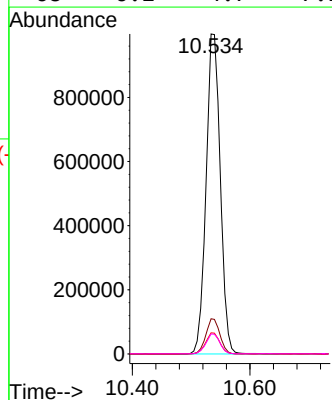
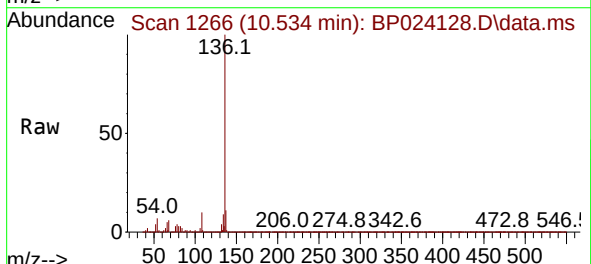
Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.3	15.5
71	30.4	22.9	34.3

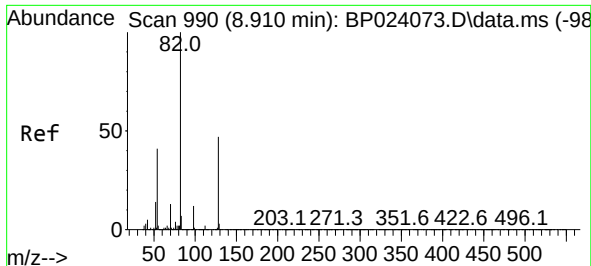


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:136 Resp: 1670092

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.6	4.9	7.3
68	6.2	4.7	7.1

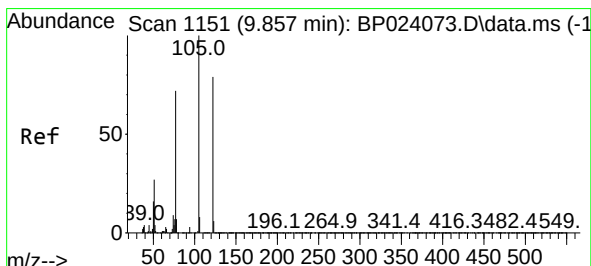
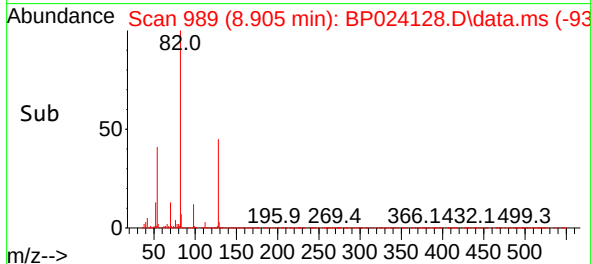
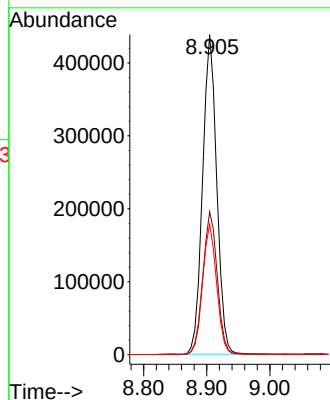
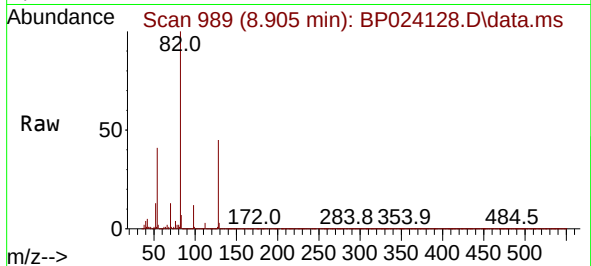




#23
Nitrobenzene-d5
Concen: 22.823 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

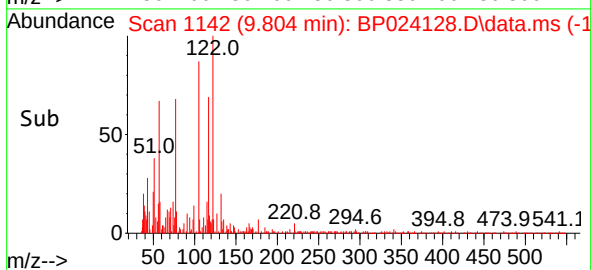
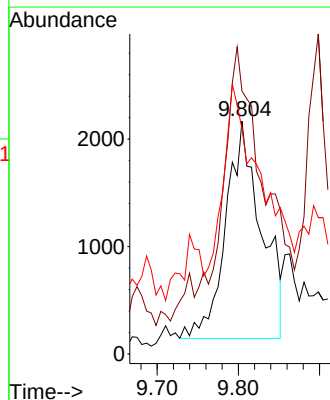
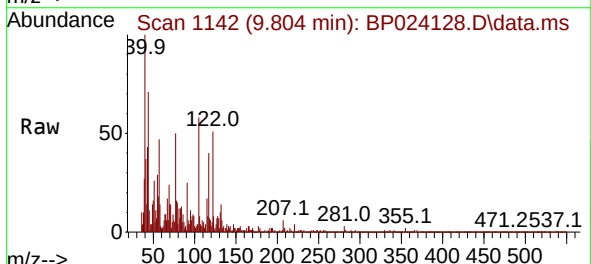
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

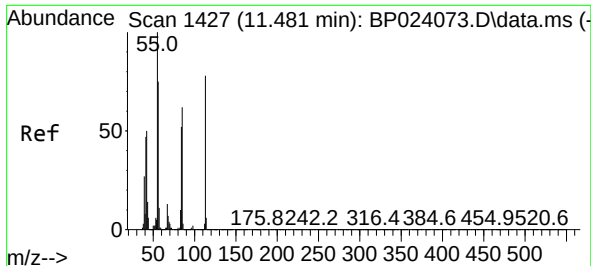
Tgt Ion: 82 Resp: 683238
Ion Ratio Lower Upper
82 100
128 44.7 37.4 56.2
54 40.7 32.4 48.6



#32
Benzoic acid
Concen: 7.766 ng
RT: 9.804 min Scan# 1142
Delta R.T. -0.053 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:122 Resp: 6147
Ion Ratio Lower Upper
122 100
105 113.0 103.7 143.7
77 96.8 69.9 109.9

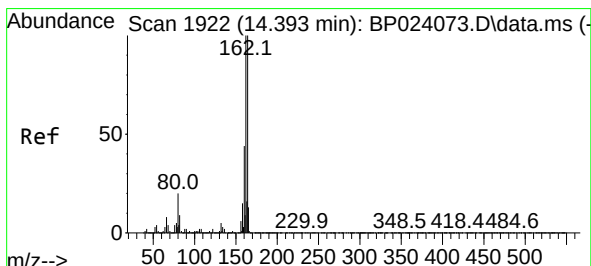
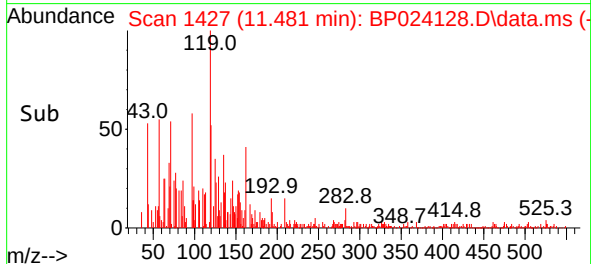
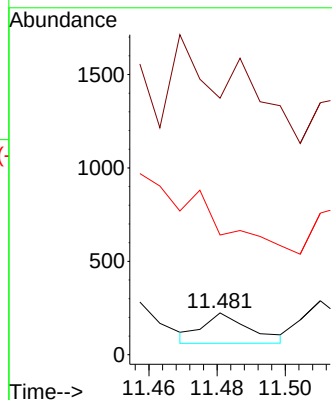
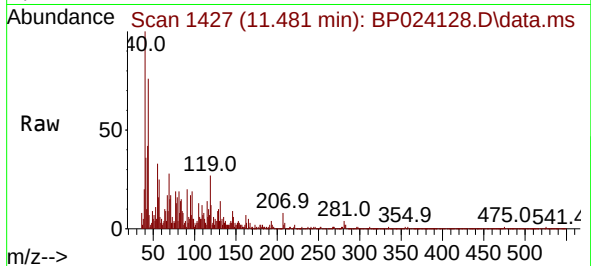




#35
Caprolactam
Concen: 5.590 ng
RT: 11.481 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

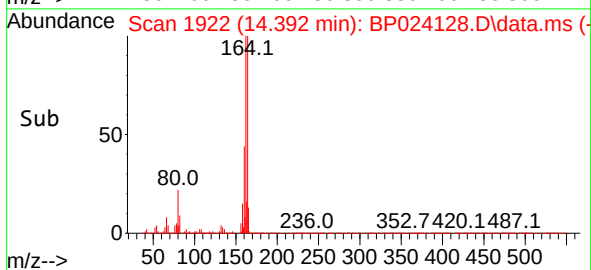
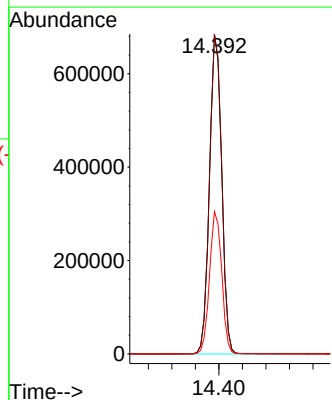
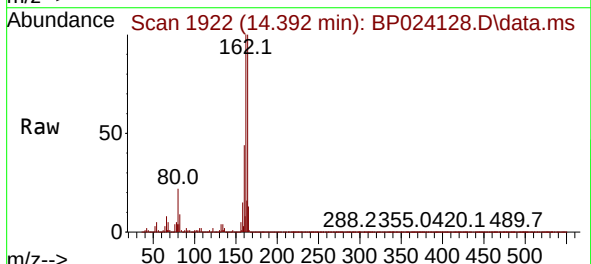
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

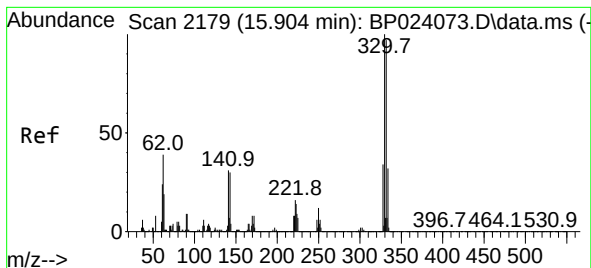
Tgt Ion:113 Resp: 154
Ion Ratio Lower Upper
113 100
55 612.9 108.8 148.8#
56 286.2 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:164 Resp: 983989
Ion Ratio Lower Upper
164 100
162 99.9 80.1 120.1
160 44.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 36.223 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Instrument :

BNA_P

ClientSampleId :

OR-02-022625

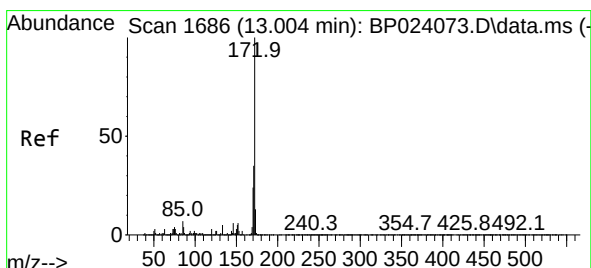
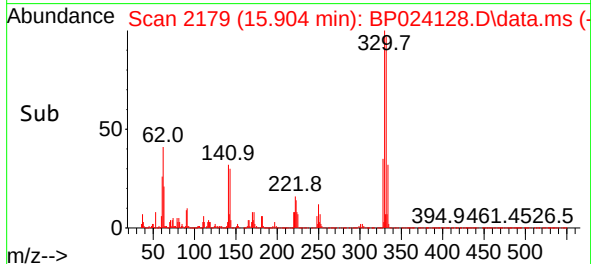
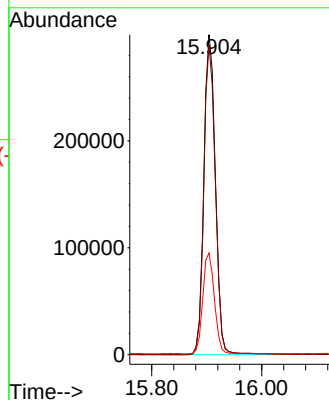
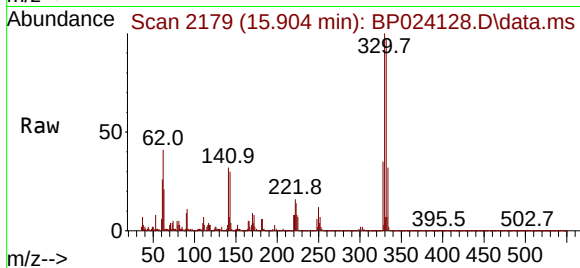
Tgt Ion:330 Resp: 436589

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.4

141 31.8 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 21.710 ng

RT: 13.004 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

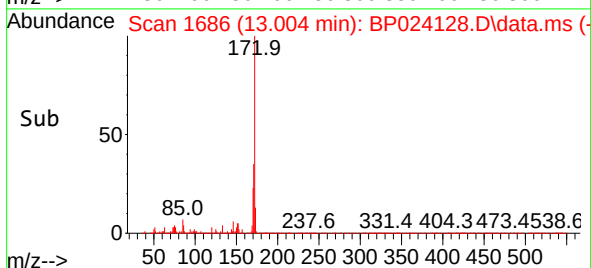
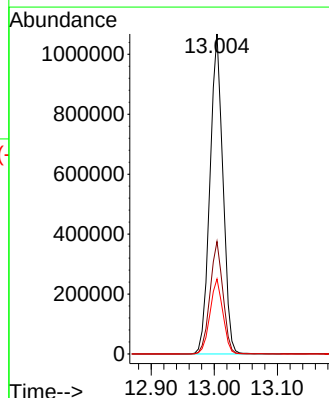
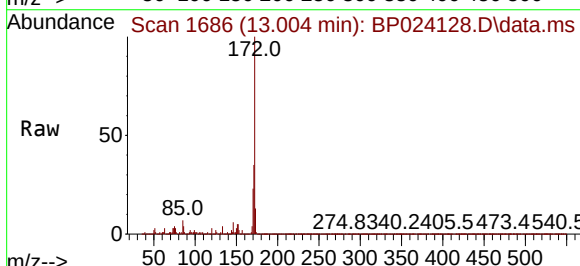
Tgt Ion:172 Resp: 1528075

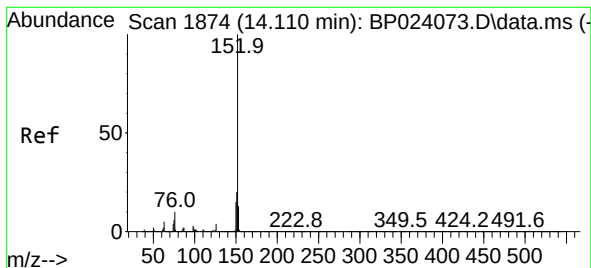
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.5 19.0 28.6





#49

Acenaphthylene

Concen: 2.517 ng

RT: 14.110 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Instrument :

BNA_P

ClientSampleId :

OR-02-022625

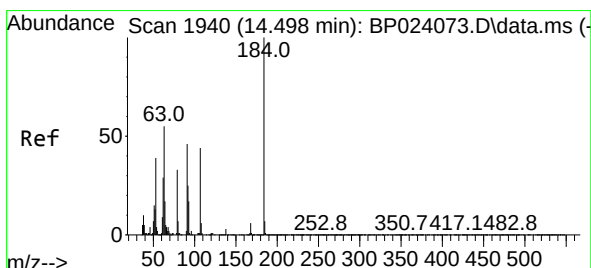
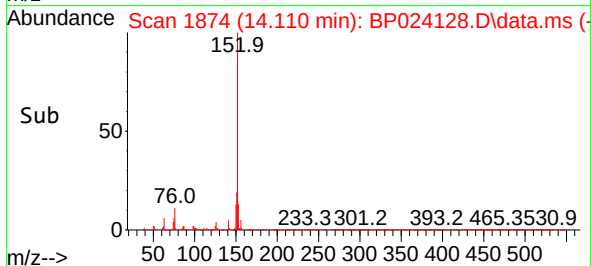
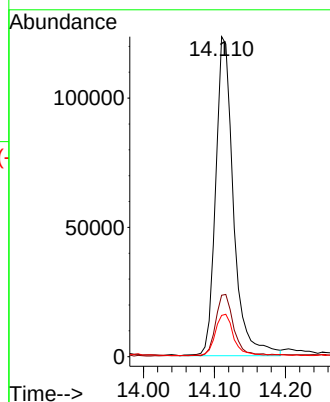
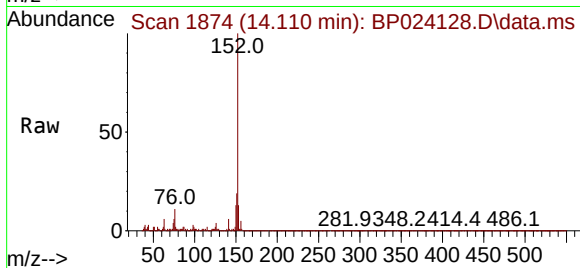
Tgt Ion:152 Resp: 214354

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.8

153 12.9 10.7 16.1



#54

2,4-Dinitrophenol

Concen: 7.787 ng

RT: 14.492 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

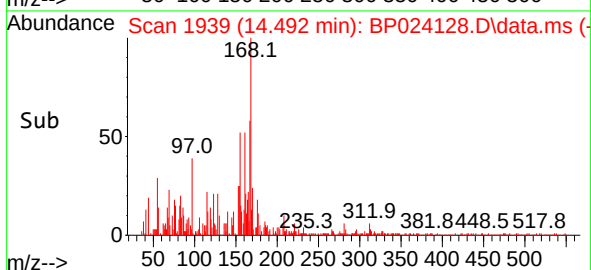
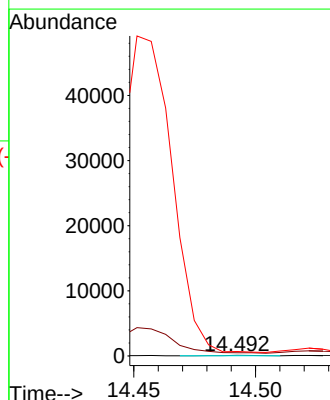
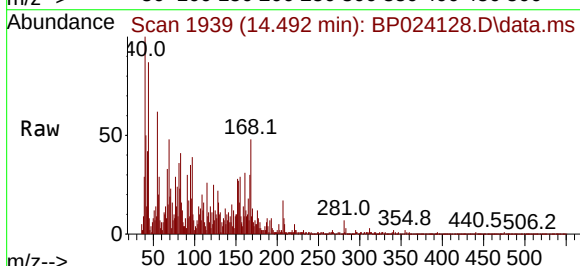
Tgt Ion:184 Resp: 77

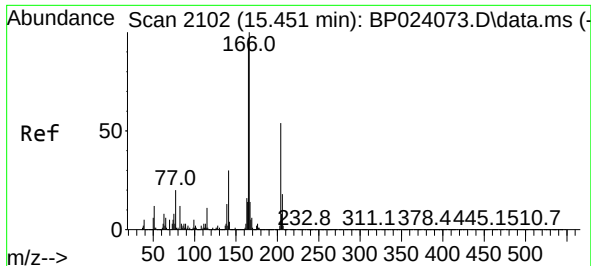
Ion Ratio Lower Upper

184 100

63 517.0 49.4 74.0#

154 734.0 49.2 73.8#

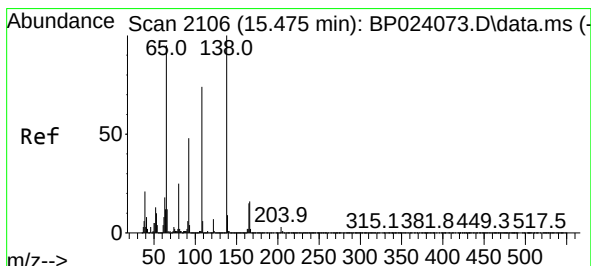
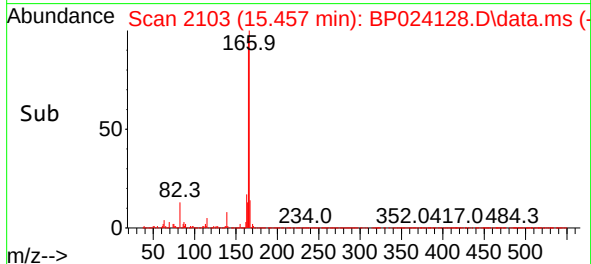
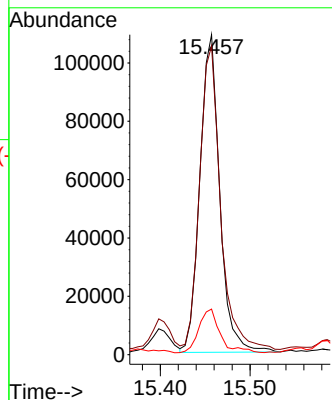
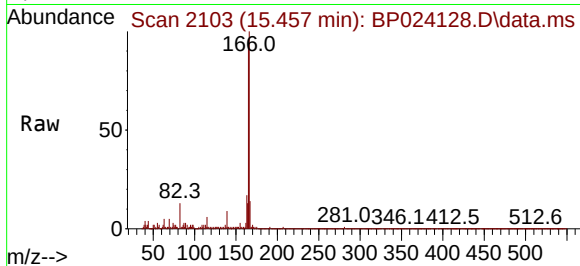




#58
Fluorene
Concen: 2.408 ng
RT: 15.457 min Scan# 2102
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

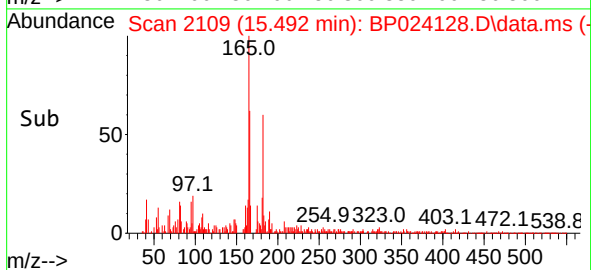
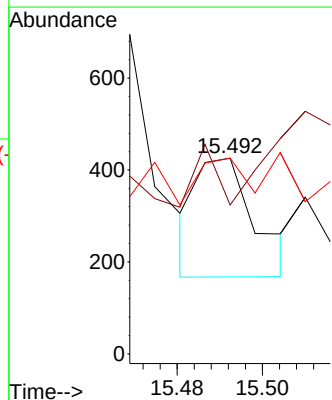
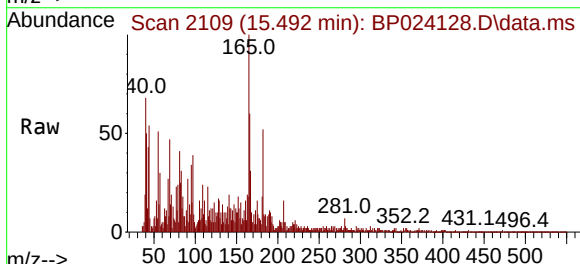
Instrument :
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OR-02-022625

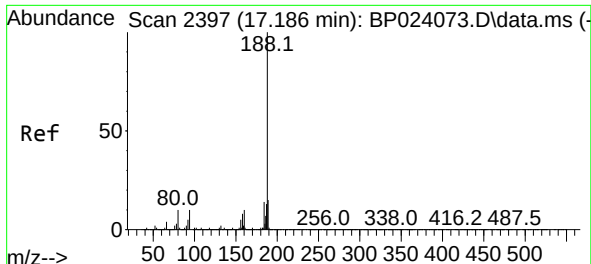
Tgt Ion:166 Resp: 167547
Ion Ratio Lower Upper
166 100
165 96.5 77.5 116.3
167 14.2 10.9 16.3



#62
4-Nitroaniline
Concen: 3.300 ng
RT: 15.492 min Scan# 2109
Delta R.T. 0.017 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:138 Resp: 245
Ion Ratio Lower Upper
138 100
92 76.1 28.3 68.3#
108 100.0 54.0 94.0#

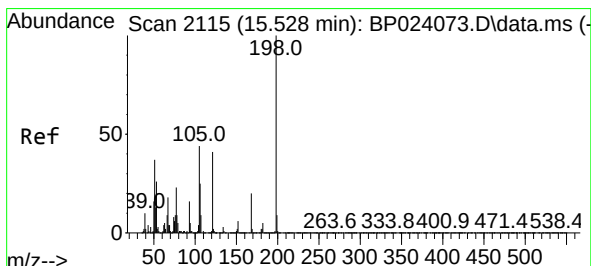
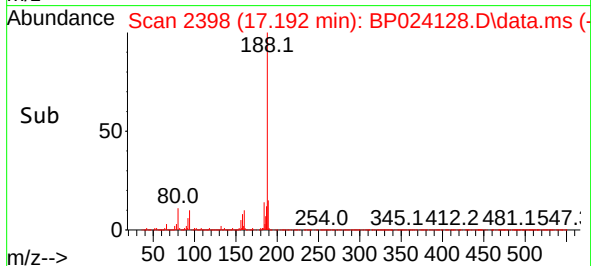
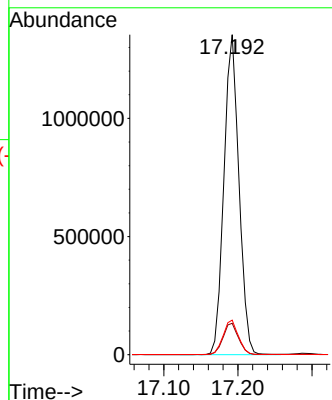
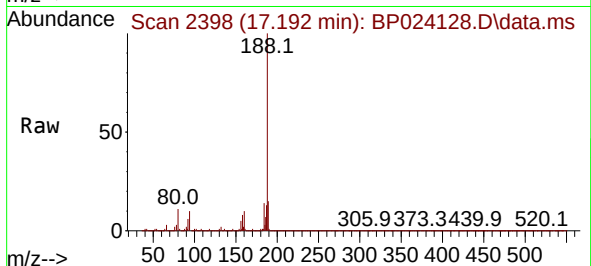




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

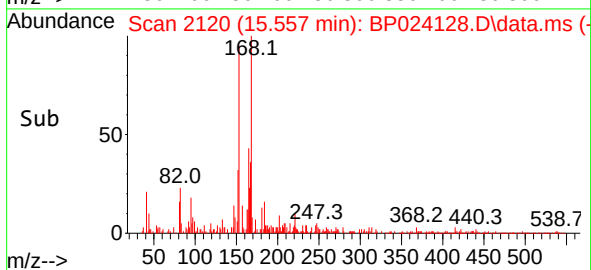
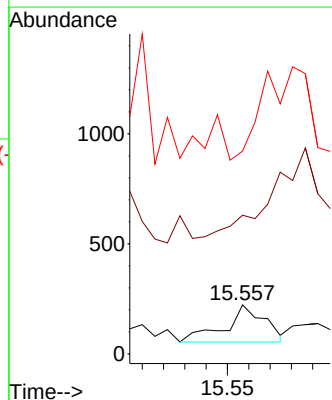
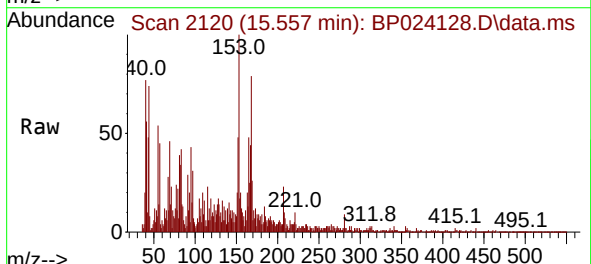
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

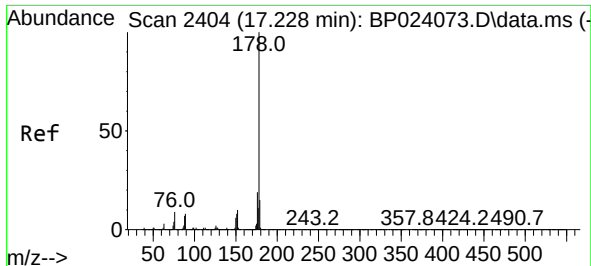
Tgt Ion:188 Resp: 1903621
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 10.8 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 6.025 ng
RT: 15.557 min Scan# 2120
Delta R.T. 0.029 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:198 Resp: 217
Ion Ratio Lower Upper
198 100
51 282.5 18.7 58.7#
105 413.5 24.7 64.7#

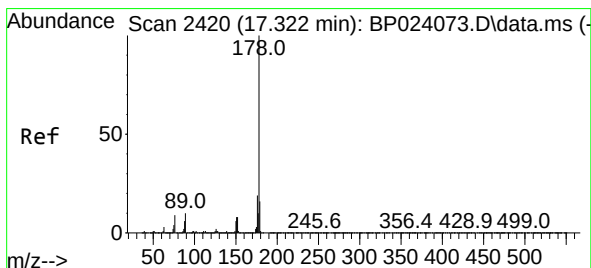
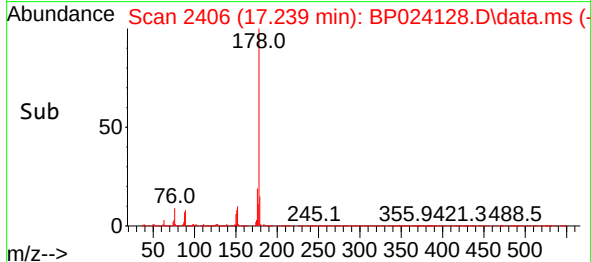
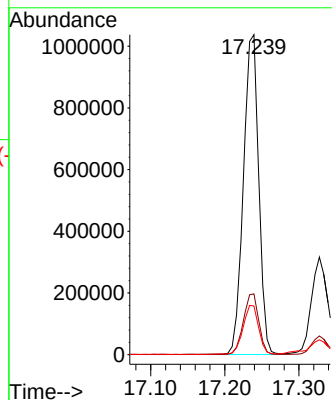
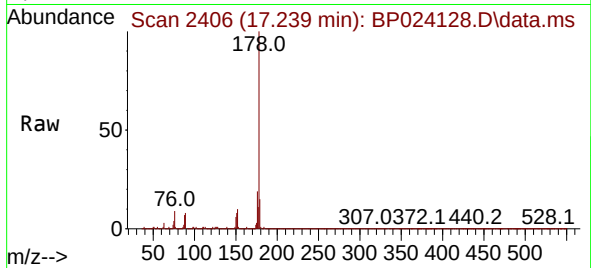




#71
Phenanthrene
Concen: 13.849 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

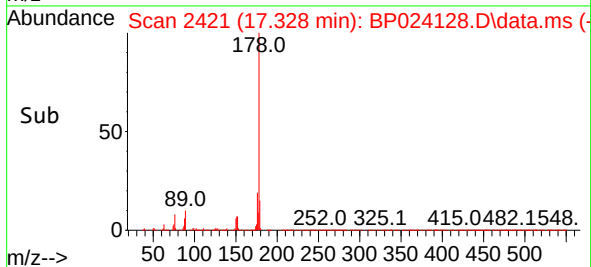
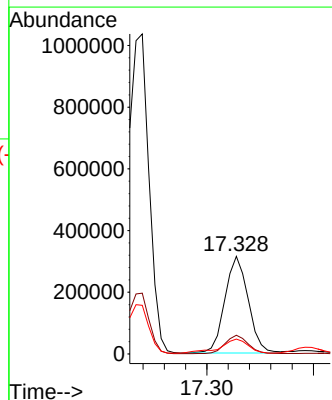
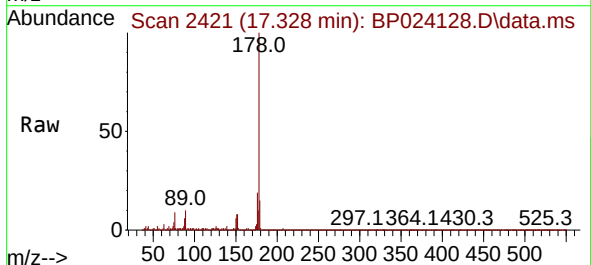
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

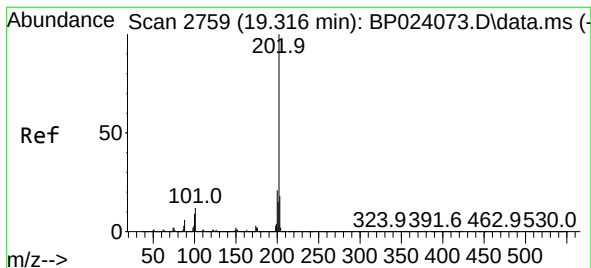
Tgt Ion:178 Resp: 1486319
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.4 18.6



#72
Anthracene
Concen: 4.625 ng
RT: 17.328 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:178 Resp: 475670
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.6 19.0

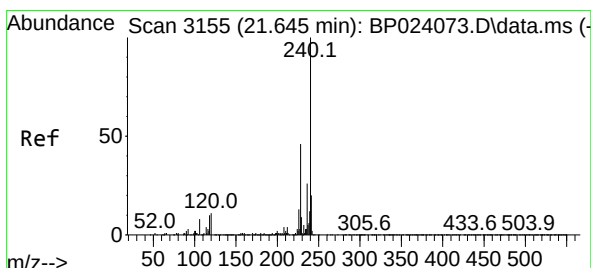
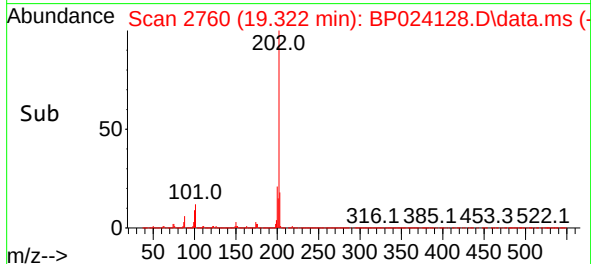
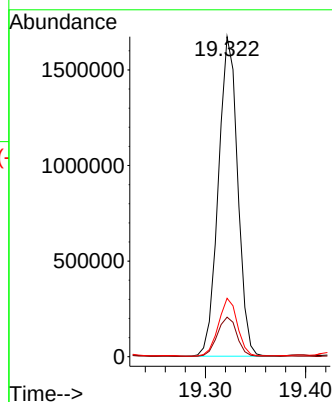
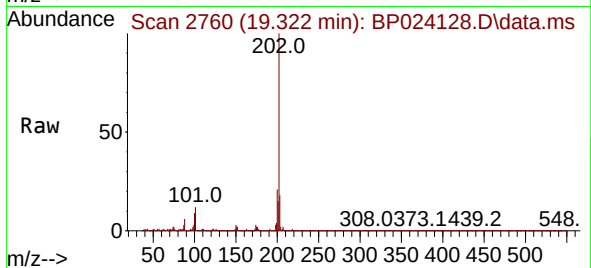




#75
Fluoranthene
Concen: 18.372 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

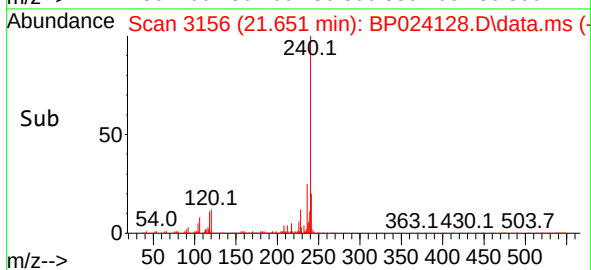
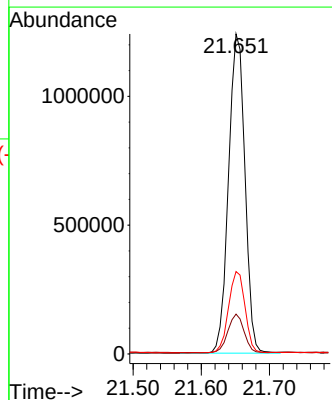
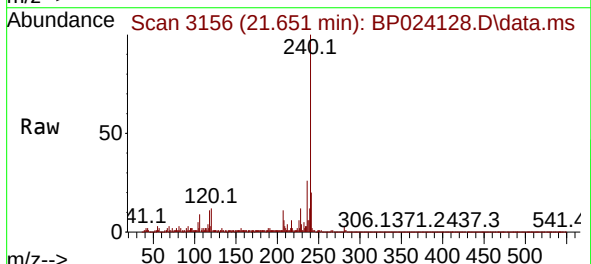
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

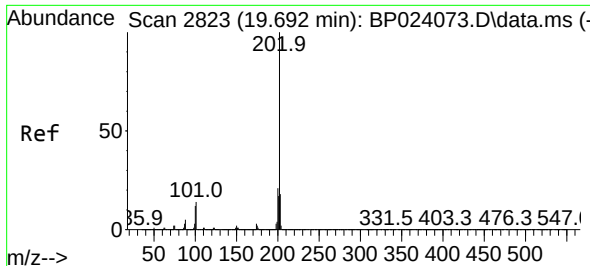
Tgt Ion:202 Resp: 2230218
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.9
203 18.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:240 Resp: 2077266
Ion Ratio Lower Upper
240 100
120 12.5 8.9 13.3
236 25.7 20.7 31.1

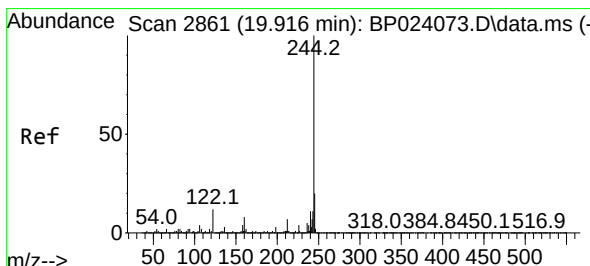
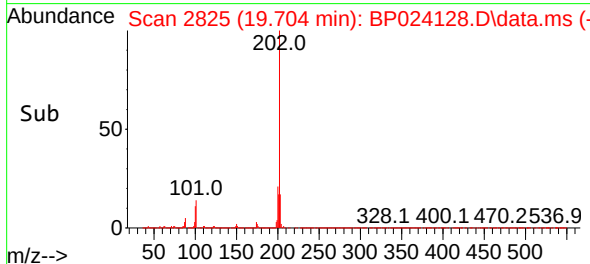
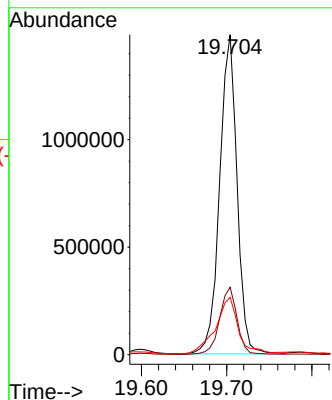
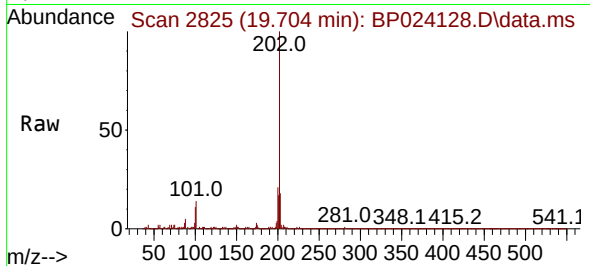




#78
Pyrene
Concen: 15.932 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.012 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

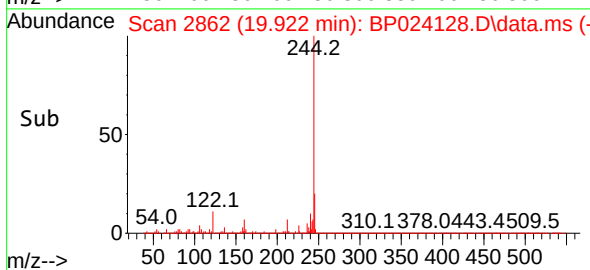
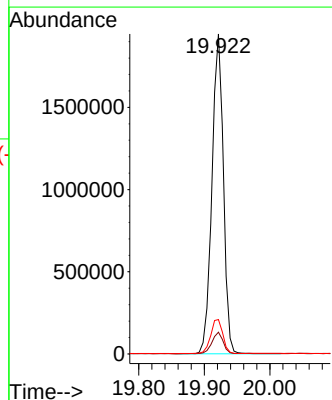
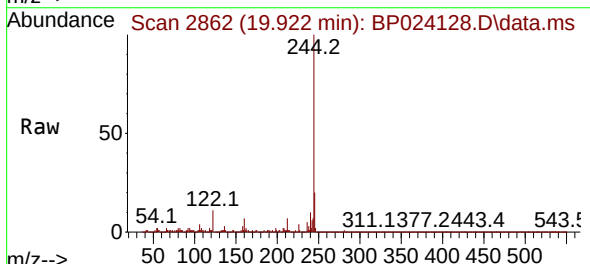
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

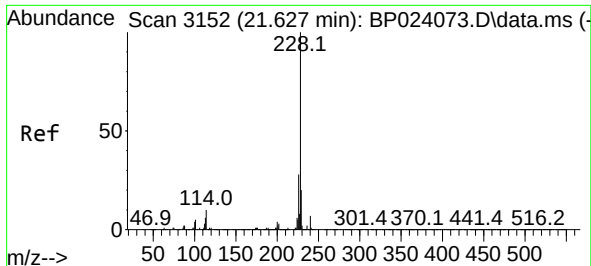
Tgt Ion:202 Resp: 2102224
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.9 14.4 21.6



#79
Terphenyl-d14
Concen: 22.472 ng
RT: 19.922 min Scan# 2862
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:244 Resp: 2359103
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 10.8 9.4 14.2

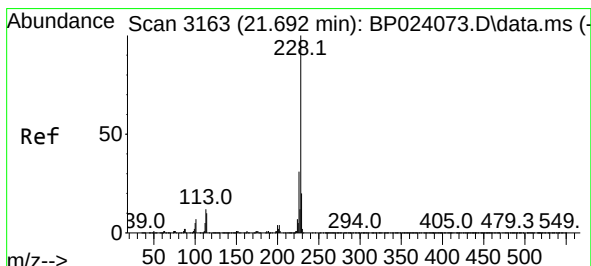
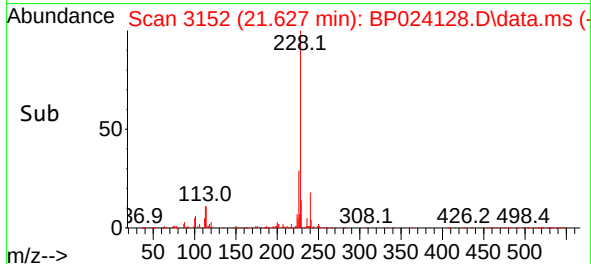
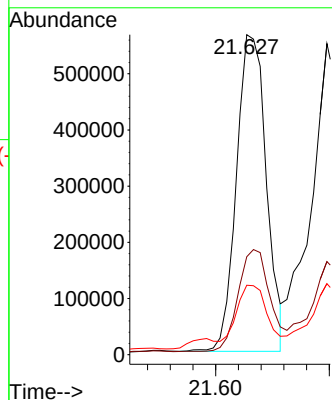
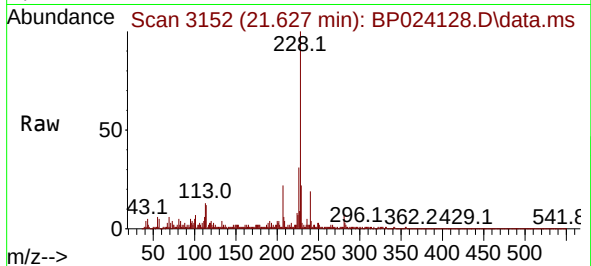




#81
Benzo(a)anthracene
Concen: 7.891 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

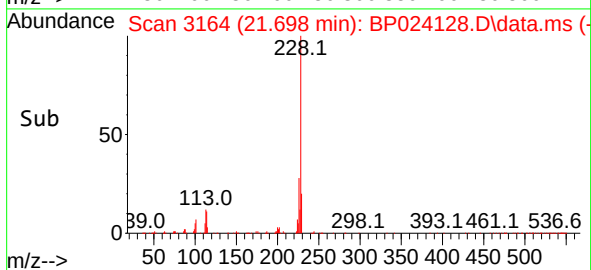
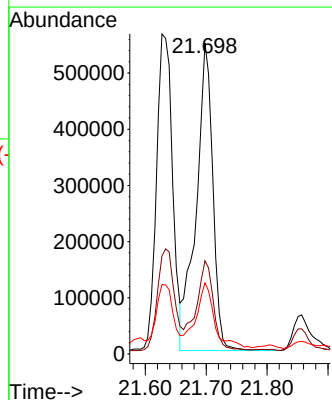
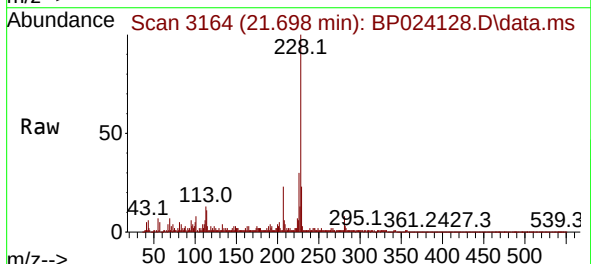
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

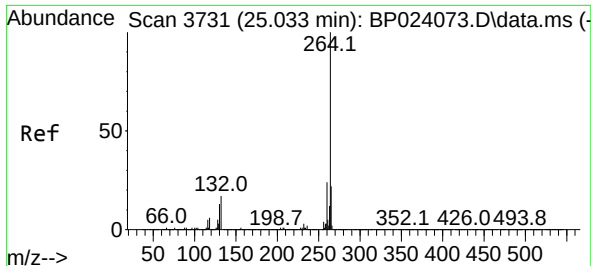
Tgt Ion:228 Resp: 1027829
Ion Ratio Lower Upper
228 100
226 30.6 22.2 33.4
229 21.7 15.8 23.8



#83
Chrysene
Concen: 8.299 ng
RT: 21.698 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:228 Resp: 1042397
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 22.9 16.1 24.1

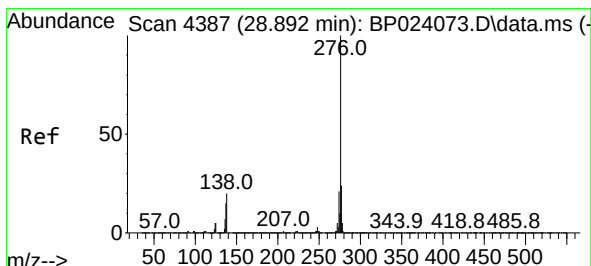
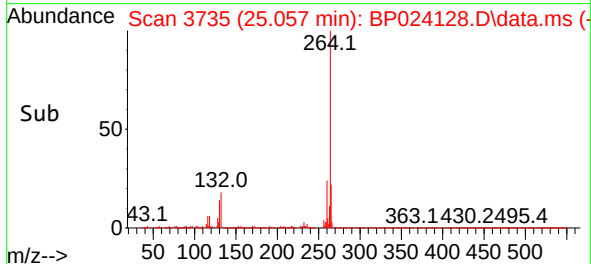
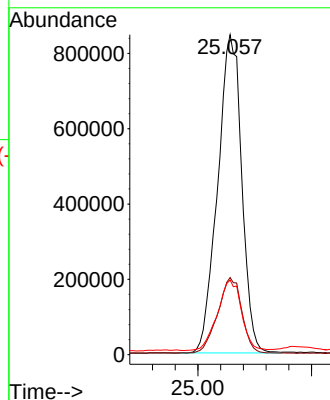
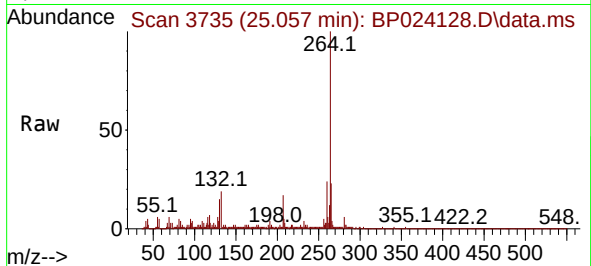




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.057 min Scan# 31
Delta R.T. 0.023 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

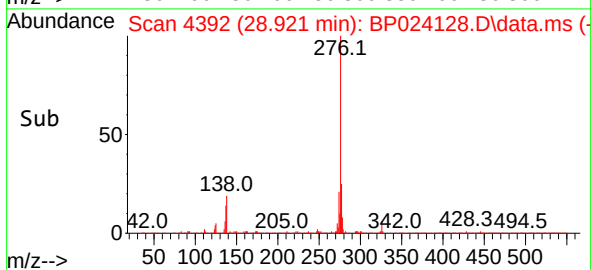
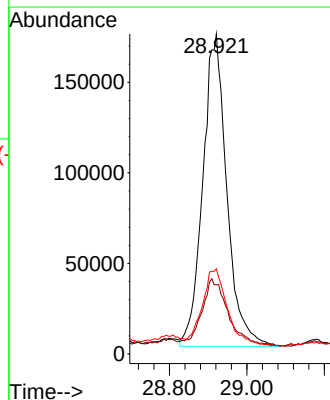
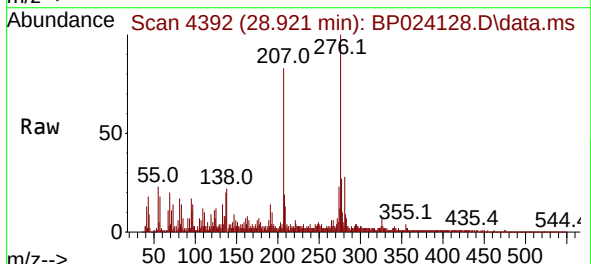
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

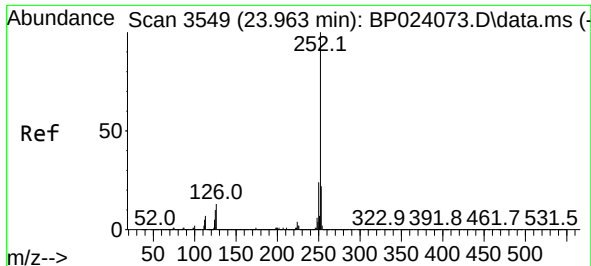
Tgt Ion:264 Resp: 2484334
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 23.3 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.195 ng
RT: 28.921 min Scan# 4392
Delta R.T. 0.029 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:276 Resp: 741462
Ion Ratio Lower Upper
276 100
138 23.7 14.2 21.4#
277 26.5 16.2 24.4#

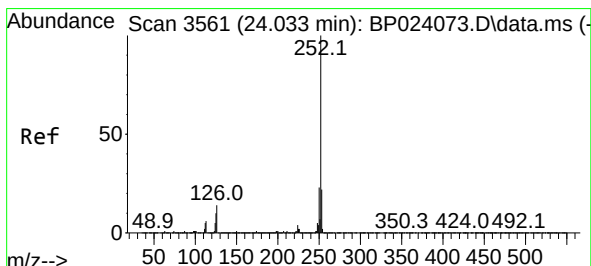
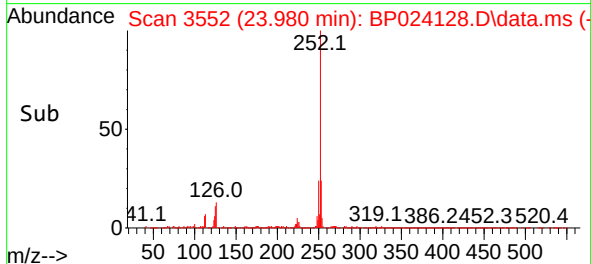
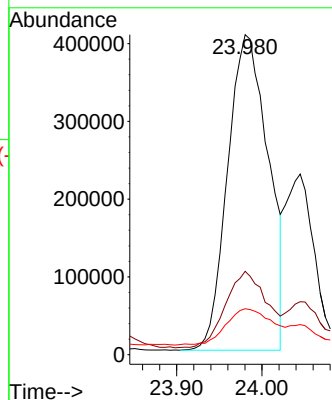
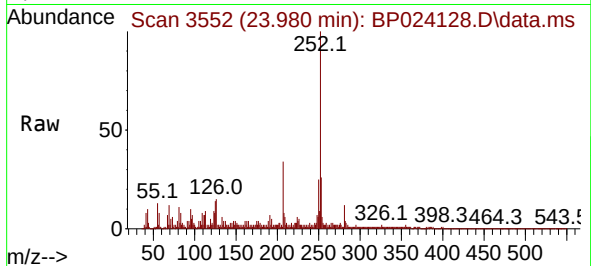




#88
Benzo(b)fluoranthene
Concen: 8.513 ng
RT: 23.980 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

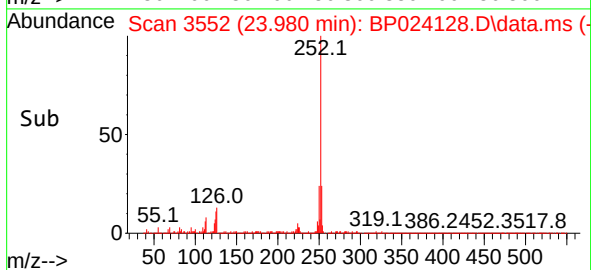
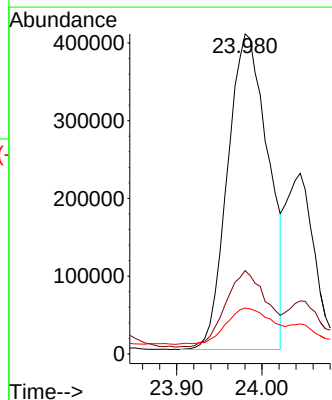
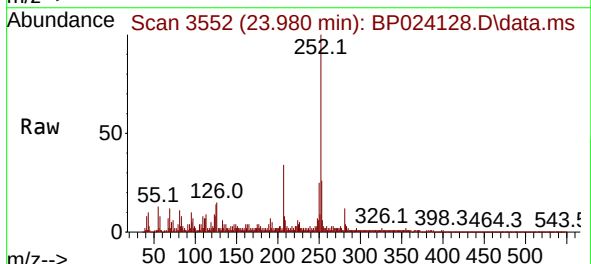
Instrument :
BNA_P
ClientSampleId :
OR-02-022625

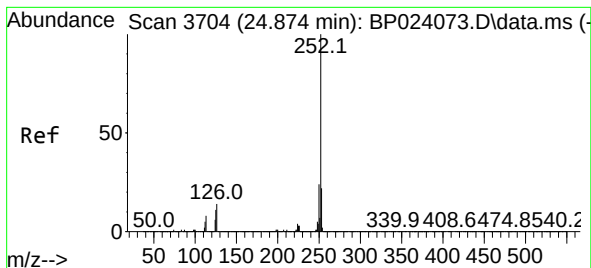
Tgt Ion:252 Resp: 1343078
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.6
125 14.4 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 8.746 ng
RT: 23.980 min Scan# 3552
Delta R.T. -0.053 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:252 Resp: 1343078
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.6
125 14.4 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 8.027 ng

RT: 24.886 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Instrument :

BNA_P

ClientSampleId :

OR-02-022625

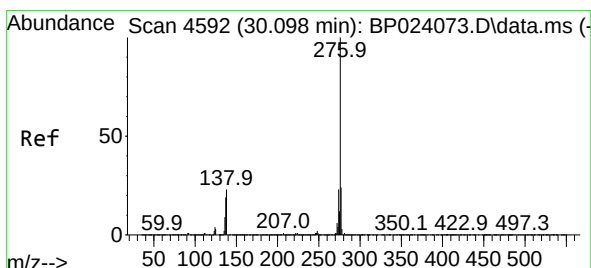
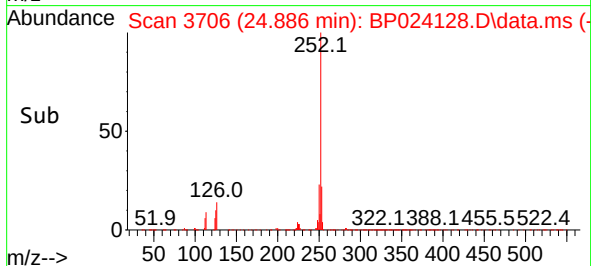
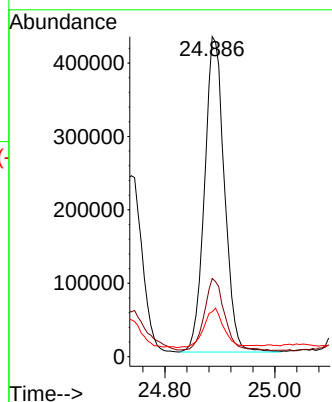
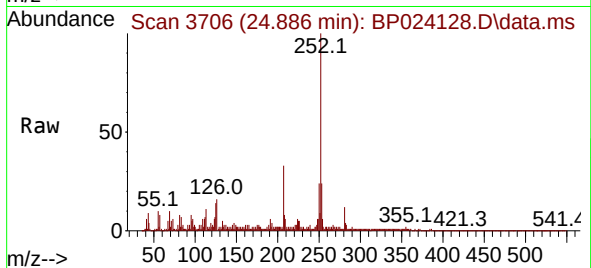
Tgt Ion:252 Resp: 1074734

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

125 14.1 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.387 ng

RT: 30.098 min Scan# 4592

Delta R.T. -0.000 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Tgt Ion:276 Resp: 359948

Ion Ratio Lower Upper

276 100

277 26.6 18.9 28.3

138 24.8 18.1 27.1

