

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061224\
 Data File : BP020608.D
 Acq On : 12 Jun 2024 20:24
 Operator : MA/JU
 Sample : P2846-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-04-061124

Quant Time: Jun 13 06:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

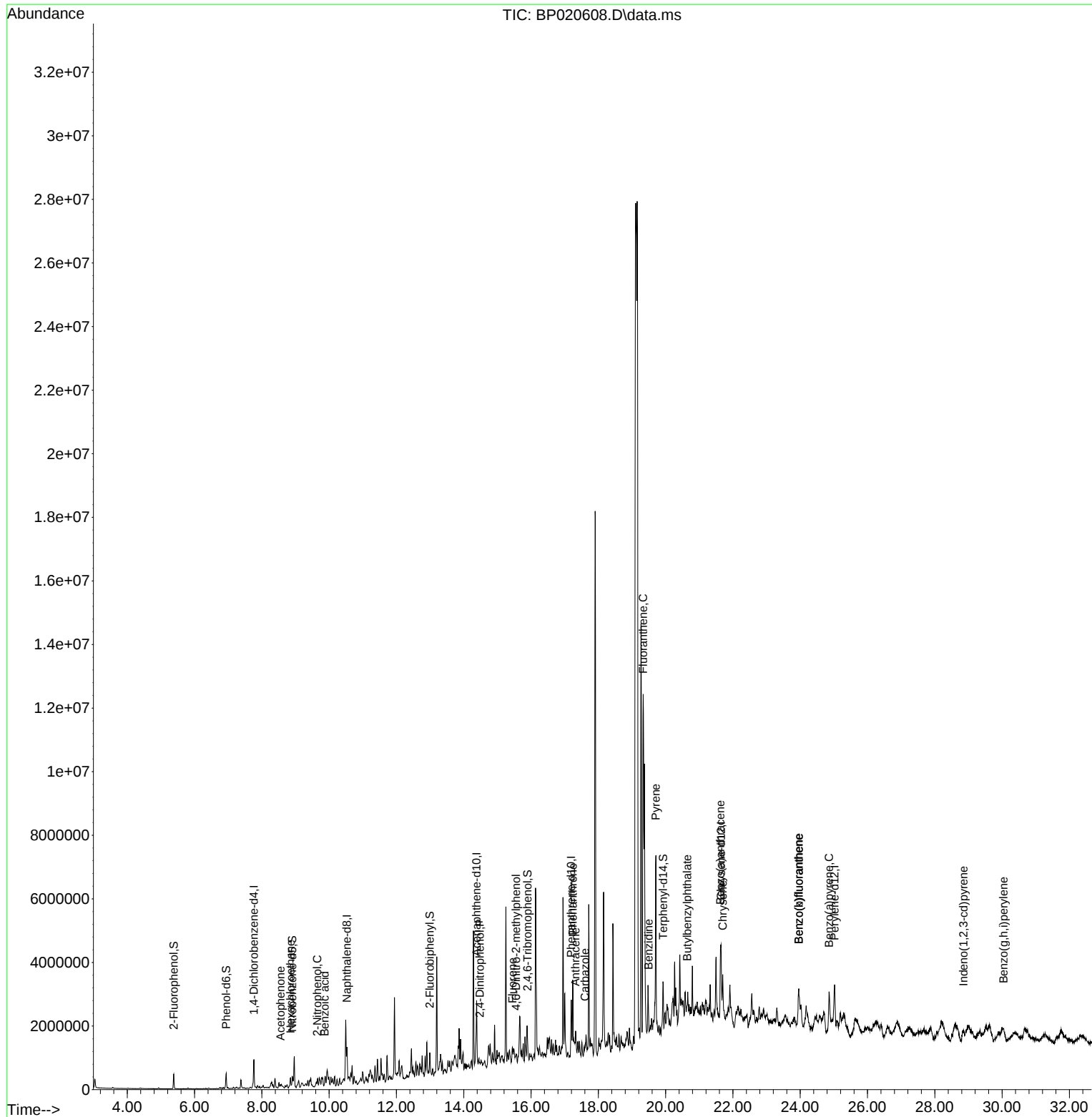
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	256115	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	988347	20.000	ng	0.00
39) Acenaphthene-d10	14.381	164	610549	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1215582	20.000	ng	-0.01
76) Chrysene-d12	21.645	240	1114058	20.000	ng	-0.02
86) Perylene-d12	25.021	264	1337218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	215834	15.089	ng	0.00
7) Phenol-d6	6.940	99	269215	13.345	ng	0.00
23) Nitrobenzene-d5	8.905	82	172352	9.546	ng	-0.02
42) 2,4,6-Tribromophenol	15.893	330	114170	18.018	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	427222	10.431	ng	-0.01
79) Terphenyl-d14	19.928	244	633736	9.470	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	8.852	117	26109	3.724	ng	# 1
22) Acetophenone	8.552	105	58603	2.389	ng	# 59
26) 2-Nitrophenol	9.646	139	1968	4.041	ng	# 1
32) Benzoic acid	9.863	122	324	6.876	ng	# 1
54) 2,4-Dinitrophenol	14.475	184	305	5.069	ng	# 1
58) Fluorene	15.451	166	115031	2.821	ng	# 89
65) 4,6-Dinitro-2-methylph...	15.557	198	244	7.691	ng	# 1
71) Phenanthrene	17.239	178	1429520	23.923	ng	100
72) Anthracene	17.322	178	386031	6.584	ng	98
73) Carbazole	17.604	167	181052	3.192	ng	# 87
75) Fluoranthene	19.328	202	2668178	37.744	ng	98
77) Benzidine	19.492	184	5414	6.090	ng	# 1
78) Pyrene	19.704	202	2411473	28.777	ng	99
80) Butylbenzylphthalate	20.639	149	3577	2.532	ng	# 2
81) Benzo(a)anthracene	21.628	228	1249168	17.029	ng	97
83) Chrysene	21.698	228	1098085	15.887	ng	96
87) Indeno(1,2,3-cd)pyrene	28.851	276	808404	9.942	ng	# 93
88) Benzo(b)fluoranthene	23.957	252	1574644	18.902	ng	96
89) Benzo(k)fluoranthene	23.957	252	1574644	19.380	ng	96
90) Benzo(a)pyrene	24.857	252	1142138	16.555	ng	97
92) Benzo(g,h,i)perylene	30.045	276	748121	11.035	ng	95

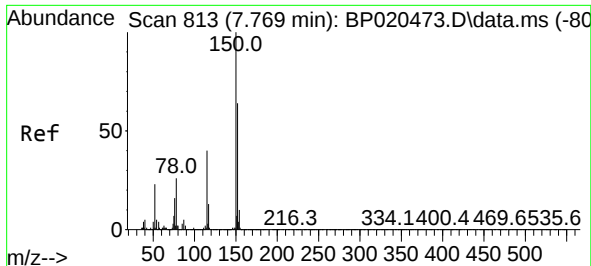
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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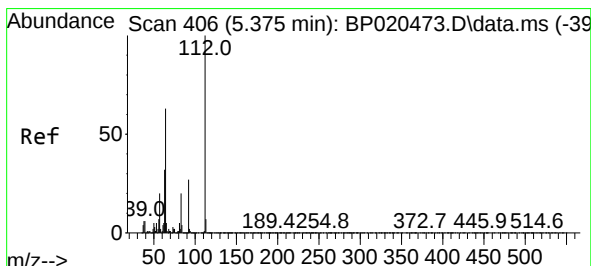
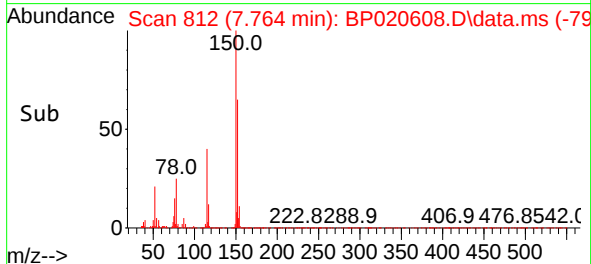
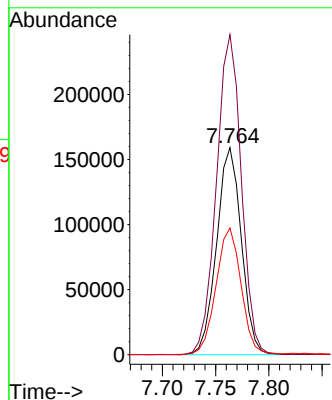
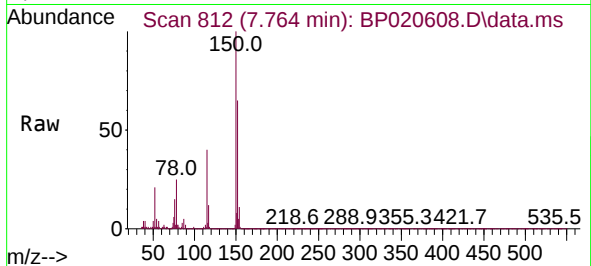




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 813
Delta R.T. -0.005 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

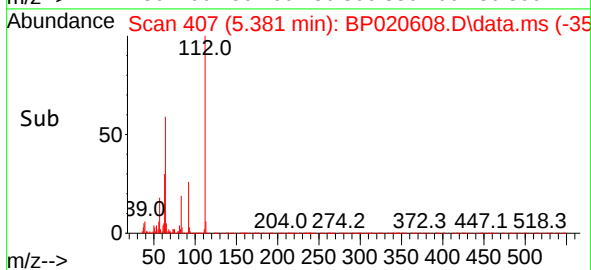
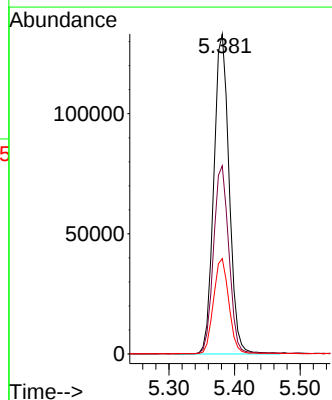
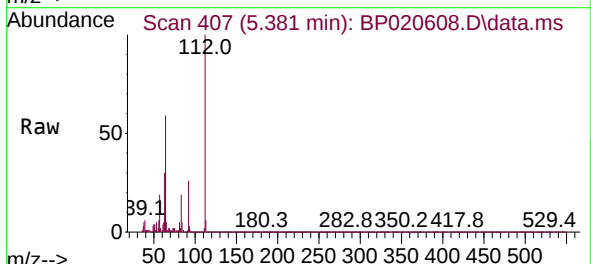
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

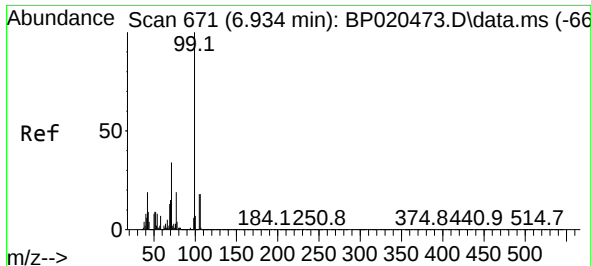
Tgt Ion:152 Resp: 256115
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 61.2 49.5 74.3



#5
2-Fluorophenol
Concen: 15.089 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:112 Resp: 215834
Ion Ratio Lower Upper
112 100
64 58.8 50.1 75.1
63 29.8 25.7 38.5

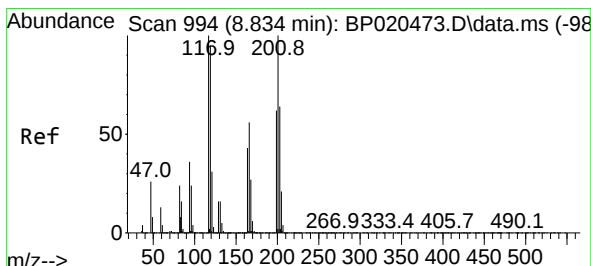
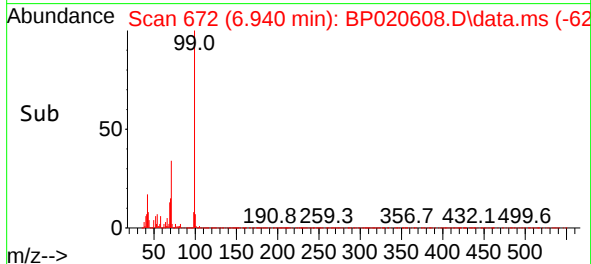
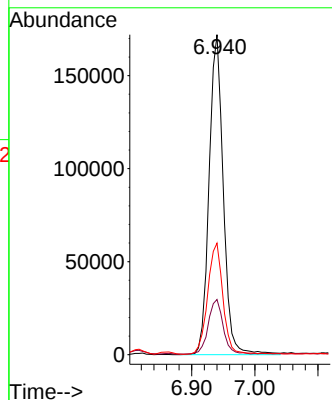
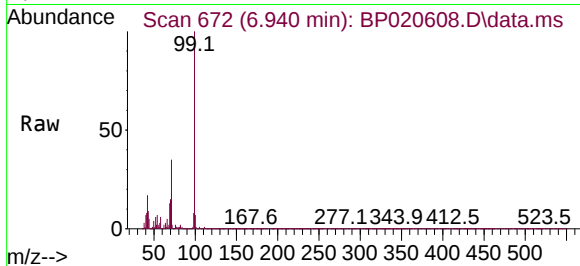




#7
Phenol-d6
Concen: 13.345 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

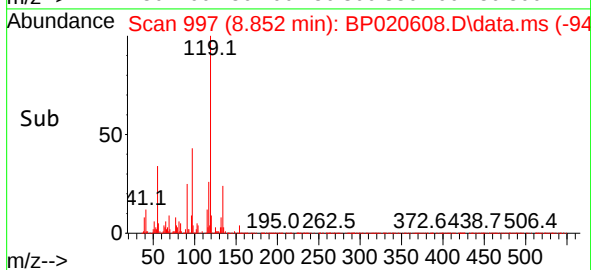
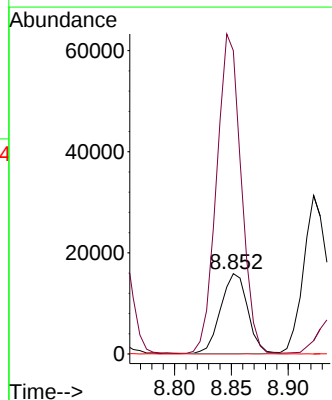
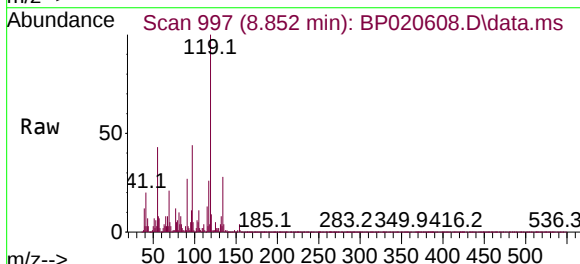
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

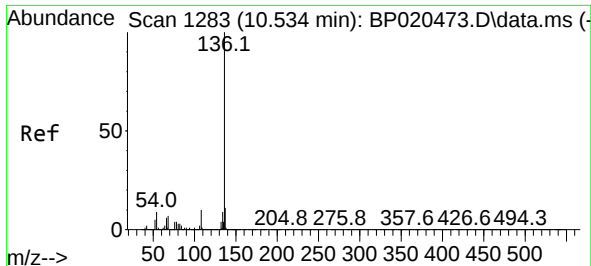
Tgt Ion: 99 Resp: 269215
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.4
71 34.9 27.3 40.9



#18
Hexachloroethane
Concen: 3.724 ng
RT: 8.852 min Scan# 997
Delta R.T. 0.018 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion: 117 Resp: 26109
Ion Ratio Lower Upper
117 100
119 378.0 76.3 114.5#
201 0.1 79.9 119.9#

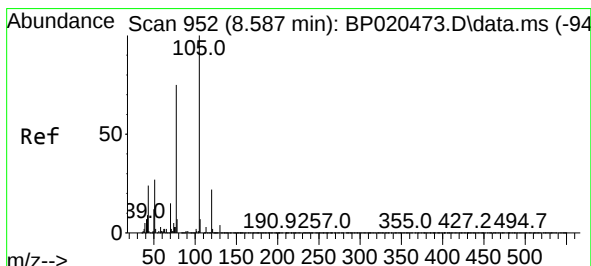
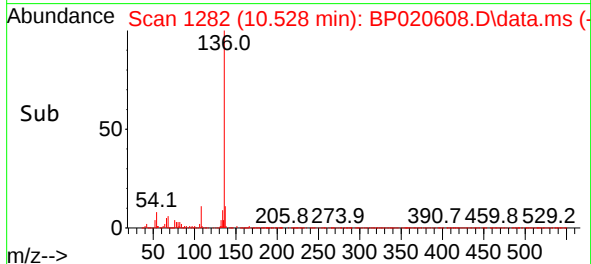
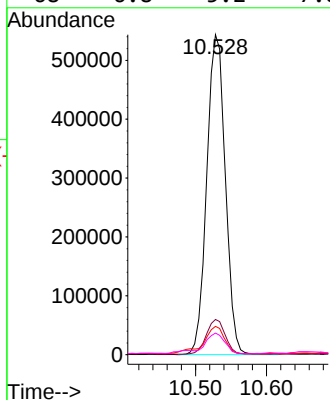
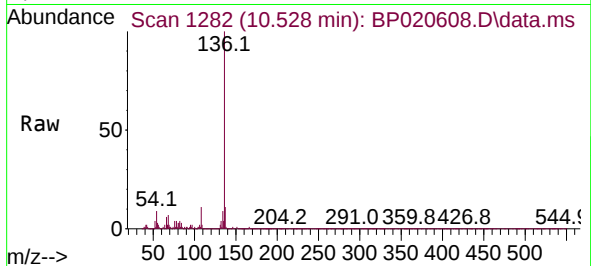




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

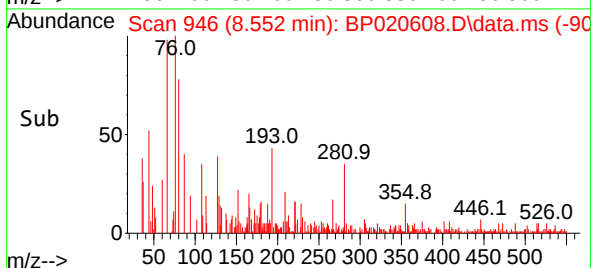
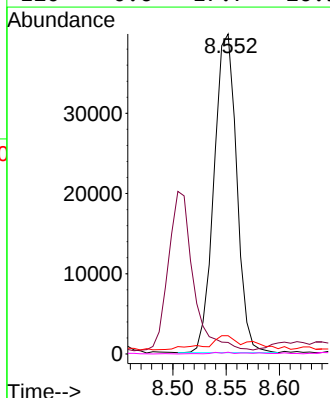
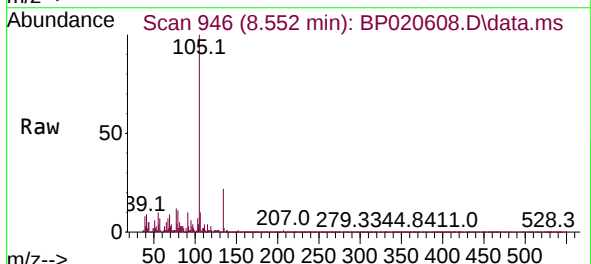
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

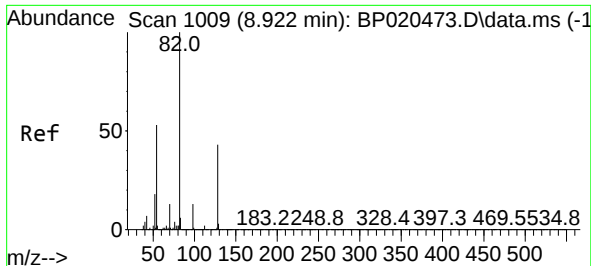
Tgt Ion:	136	Resp:	988347
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	8.8	7.4	11.0
68	6.8	5.2	7.8



#22
Acetophenone
Concen: 2.389 ng
RT: 8.552 min Scan# 946
Delta R.T. -0.035 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:	105	Resp:	58603
Ion Ratio	Lower	Upper	
105	100		
71	3.6	2.3	3.5#
51	5.7	22.6	33.8#
120	0.6	17.7	26.5#

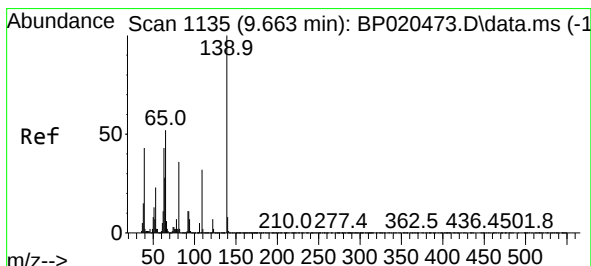
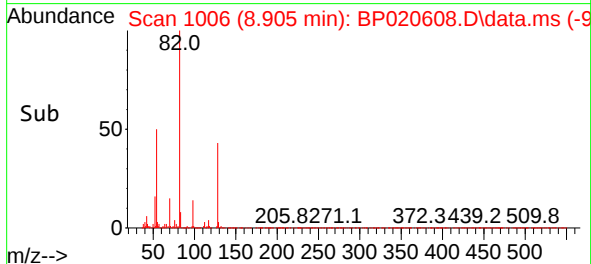
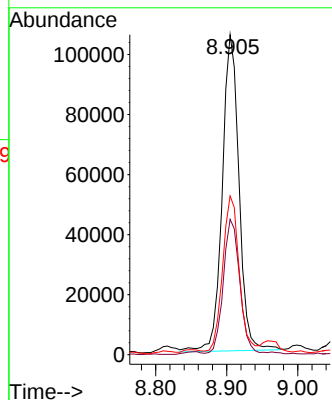
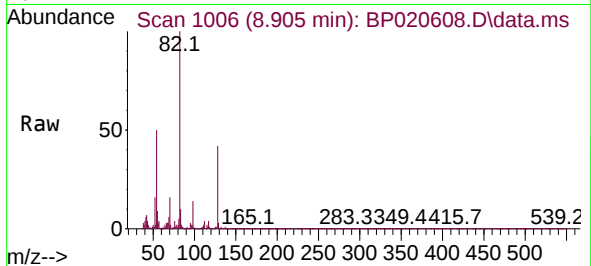




#23
Nitrobenzene-d5
Concen: 9.546 ng
RT: 8.905 min Scan# 1009
Delta R.T. -0.018 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

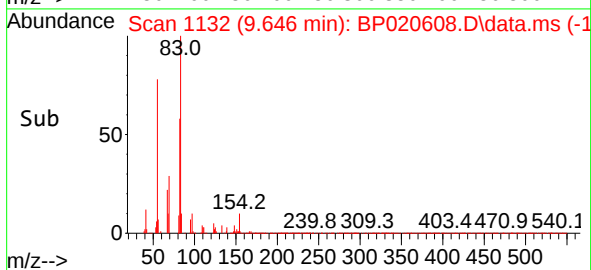
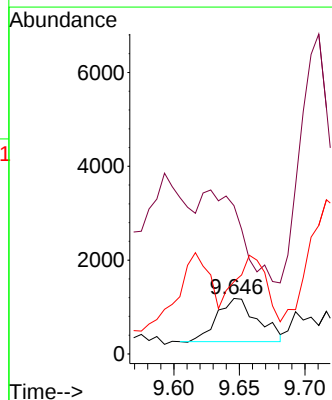
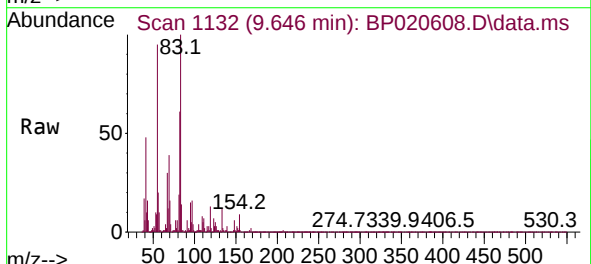
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

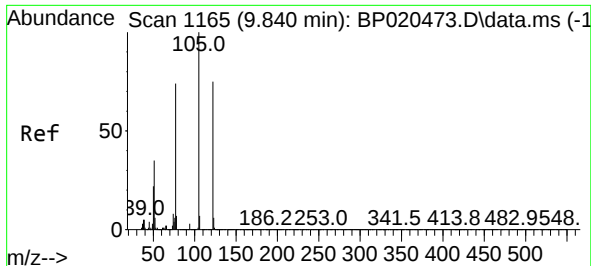
Tgt Ion: 82 Resp: 172352
Ion Ratio Lower Upper
82 100
128 42.3 34.2 51.4
54 49.6 42.7 64.1



#26
2-Nitrophenol
Concen: 4.041 ng
RT: 9.646 min Scan# 1132
Delta R.T. -0.017 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion: 139 Resp: 1968
Ion Ratio Lower Upper
139 100
109 267.3 25.8 38.8#
65 130.4 41.8 62.8#

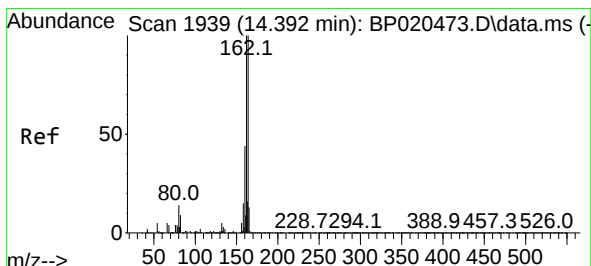
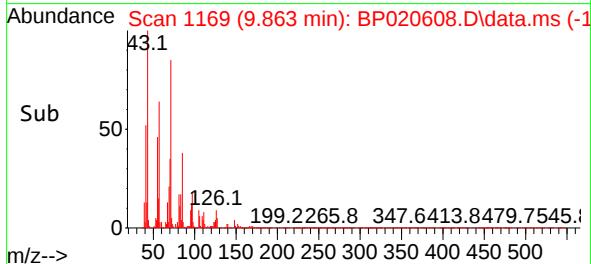
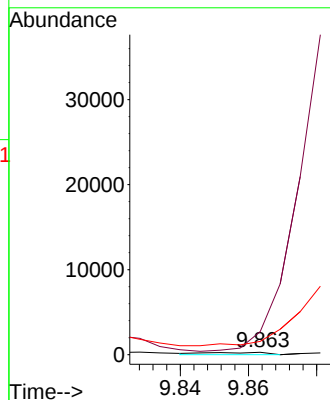
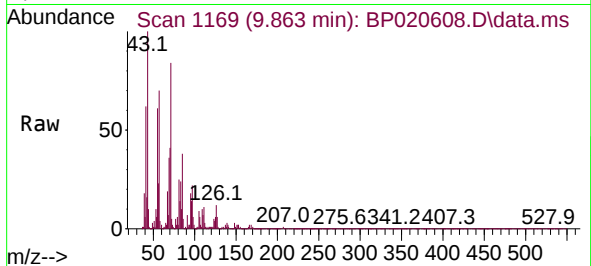




#32
Benzoic acid
Concen: 6.876 ng
RT: 9.863 min Scan# 1165
Delta R.T. 0.023 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

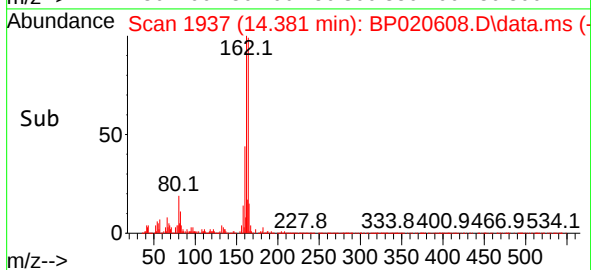
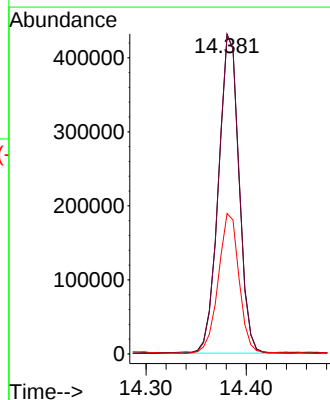
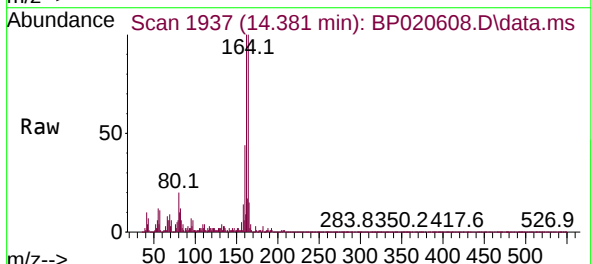
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ClientSampleId :
HR-04-061124

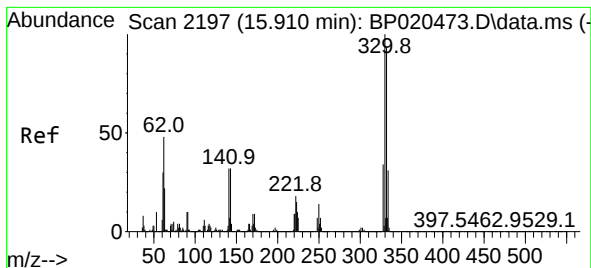
Tgt Ion:122 Resp: 324
Ion Ratio Lower Upper
122 100
105 977.0 107.5 147.5#
77 559.0 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:164 Resp: 610549
Ion Ratio Lower Upper
164 100
162 100.3 80.3 120.5
160 44.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 18.018 ng

RT: 15.893 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

Instrument :

BNA_P

ClientSampleId :

HR-04-061124

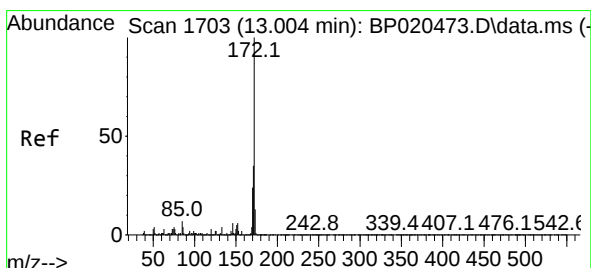
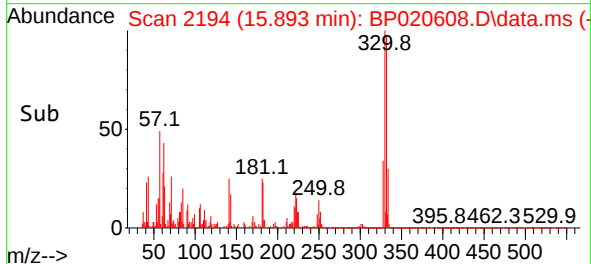
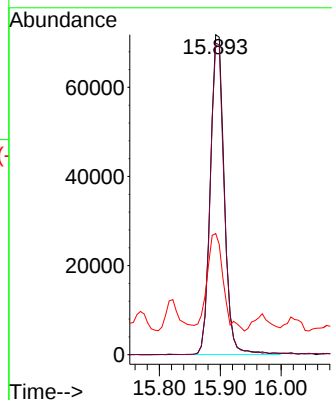
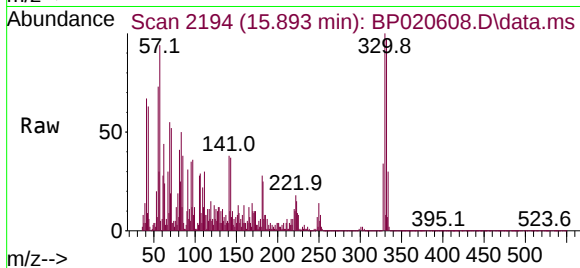
Tgt Ion:330 Resp: 114170

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

141 35.4 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 10.431 ng

RT: 12.993 min Scan# 1701

Delta R.T. -0.012 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

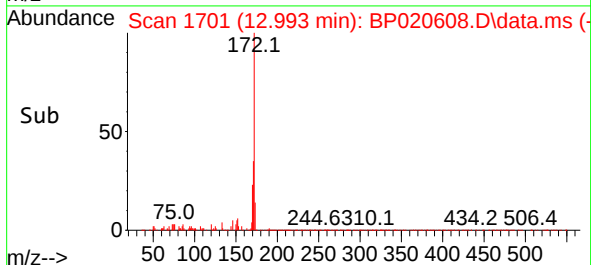
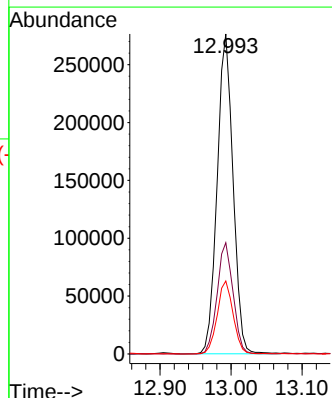
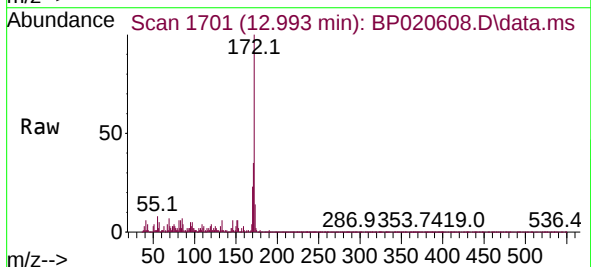
Tgt Ion:172 Resp: 427222

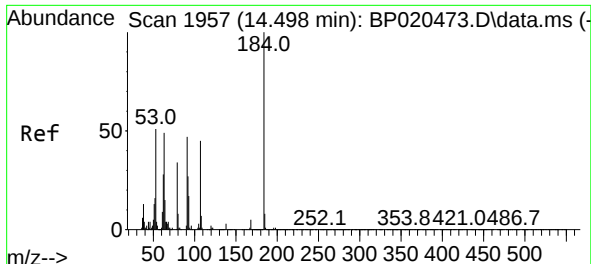
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 22.8 18.9 28.3

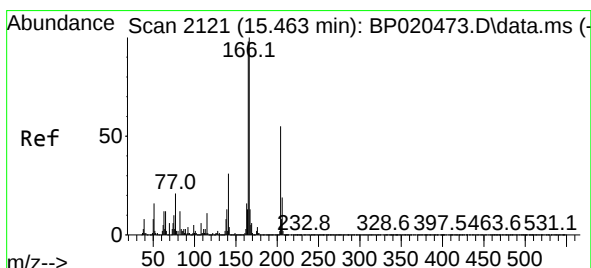
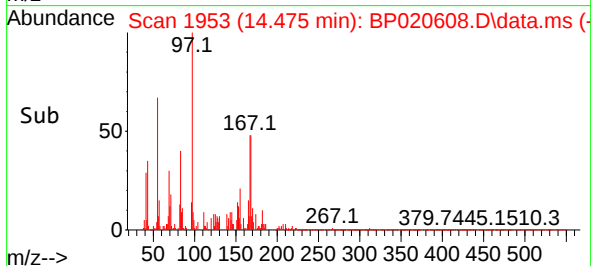
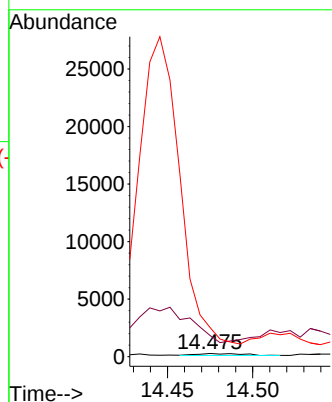
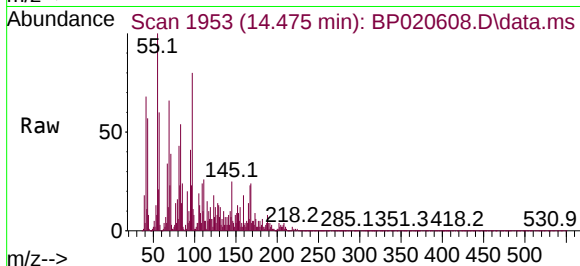




#54
2,4-Dinitrophenol
Concen: 5.069 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.023 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

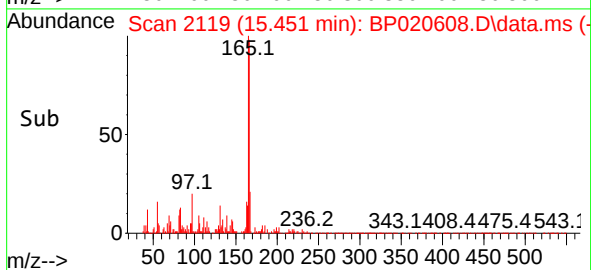
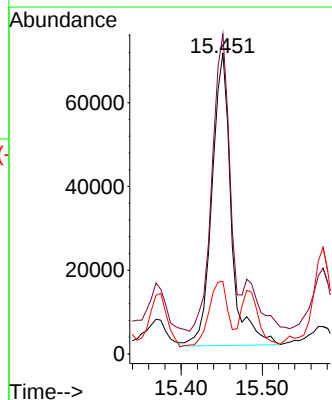
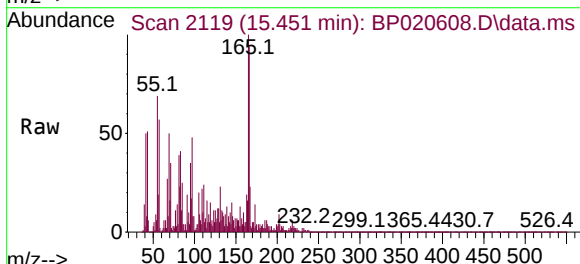
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

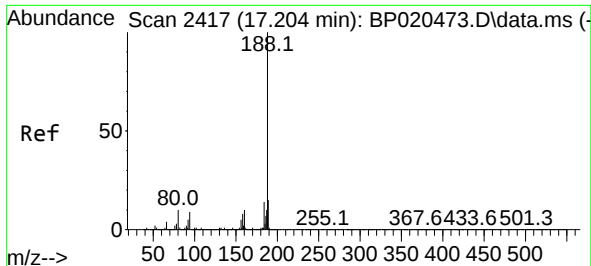
Tgt Ion:184 Resp: 305
Ion Ratio Lower Upper
184 100
63 654.6 54.2 81.4#
154 901.4 51.0 76.6#



#58
Fluorene
Concen: 2.821 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:166 Resp: 115031
Ion Ratio Lower Upper
166 100
165 106.3 78.2 117.4
167 24.1 10.7 16.1#

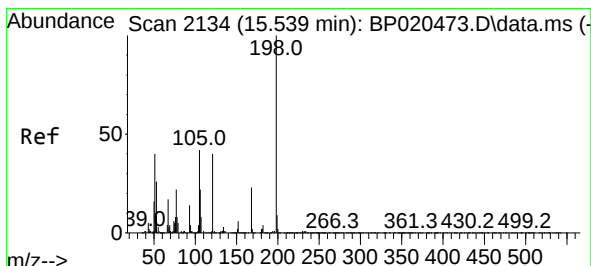
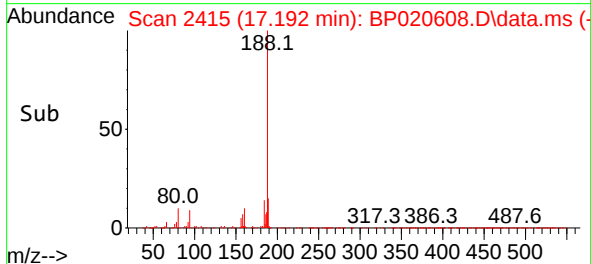
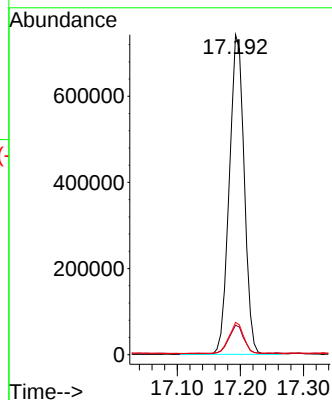
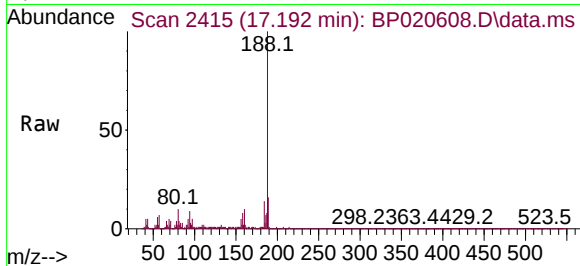




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

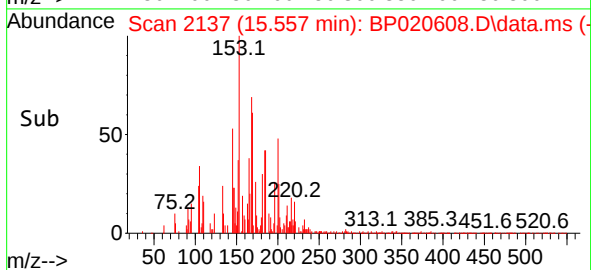
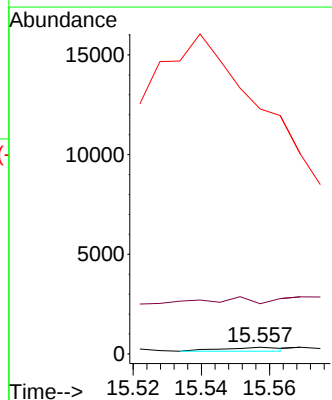
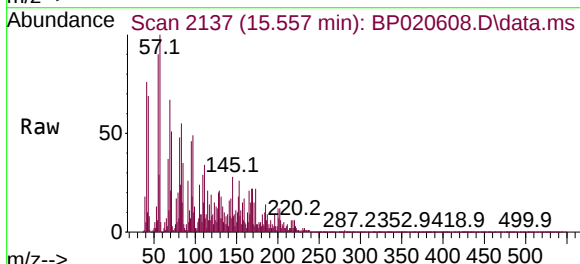
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

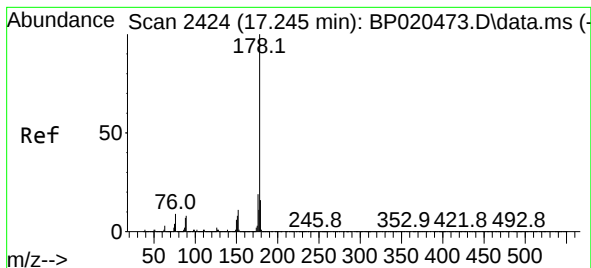
Tgt Ion:188 Resp: 1215582
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.1 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 7.691 ng
RT: 15.557 min Scan# 2137
Delta R.T. 0.018 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:198 Resp: 244
Ion Ratio Lower Upper
198 100
51 745.6 24.8 64.8#
105 3634.6 23.2 63.2#





#71

Phenanthrene

Concen: 23.923 ng

RT: 17.239 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

Instrument :

BNA_P

ClientSampleId :

HR-04-061124

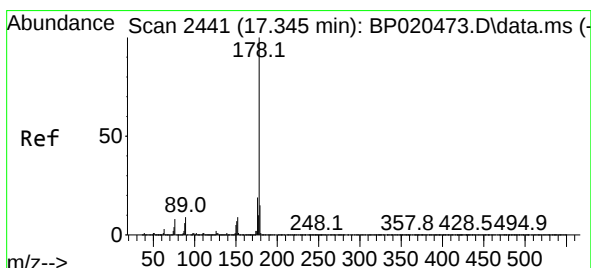
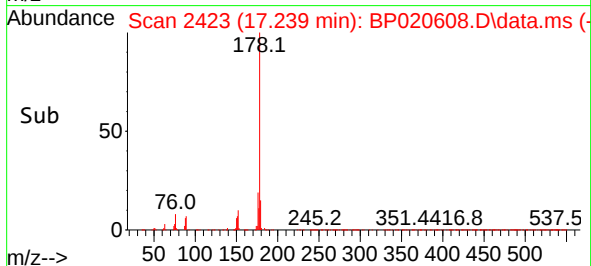
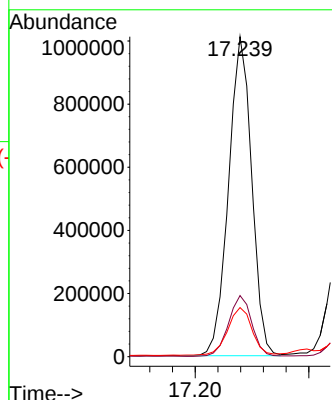
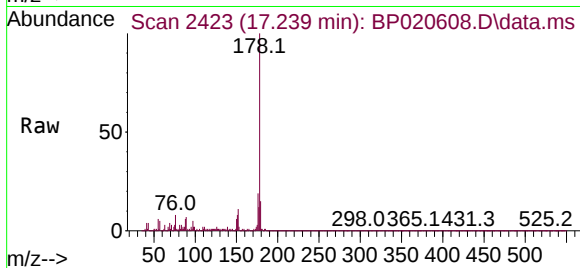
Tgt Ion:178 Resp: 1429520

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.4 12.5 18.7



#72

Anthracene

Concen: 6.584 ng

RT: 17.322 min Scan# 2437

Delta R.T. -0.023 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

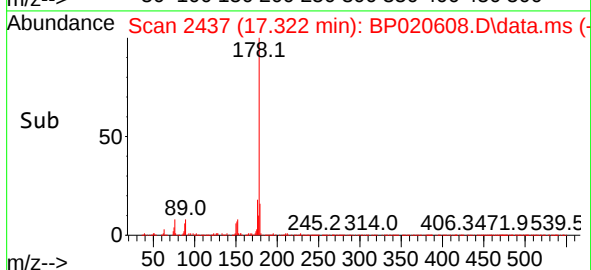
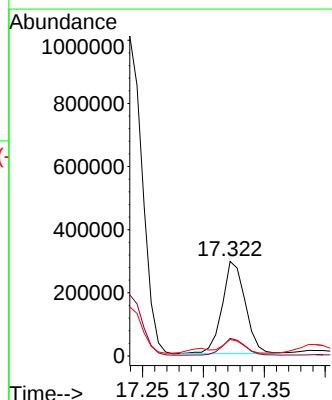
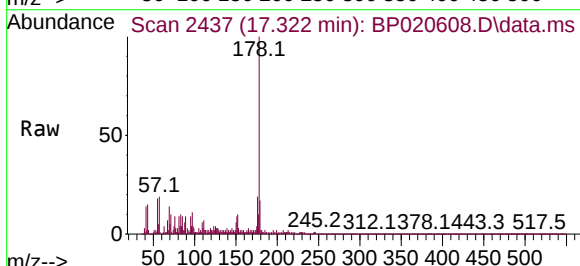
Tgt Ion:178 Resp: 386031

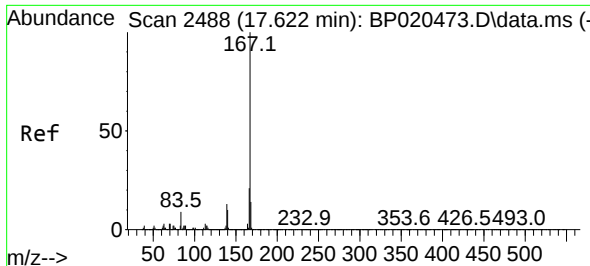
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 17.4 12.2 18.4

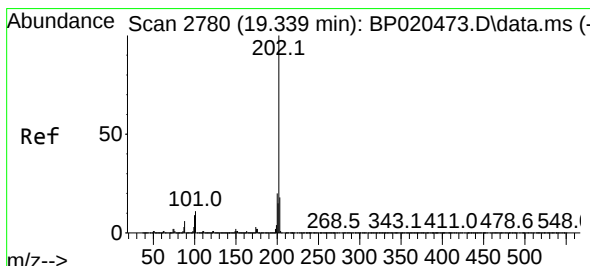
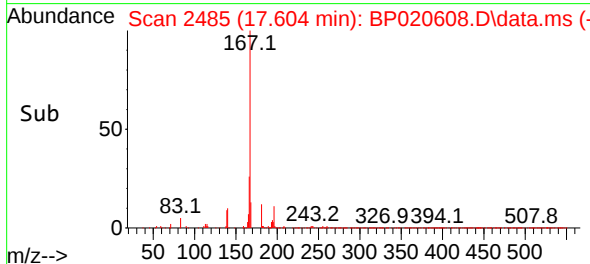
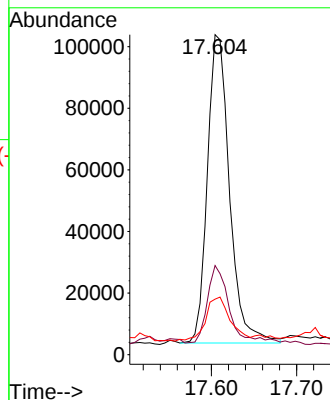
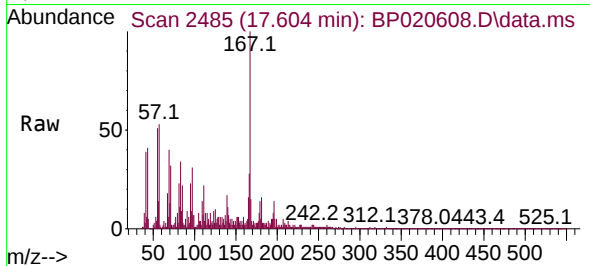




#73
 Carbazole
 Concen: 3.192 ng
 RT: 17.604 min Scan# 2485
 Delta R.T. -0.018 min
 Lab File: BP020608.D
 Acq: 12 Jun 2024 20:24

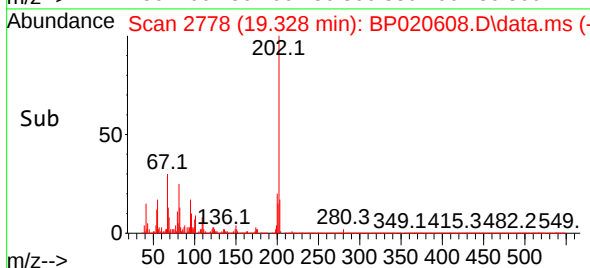
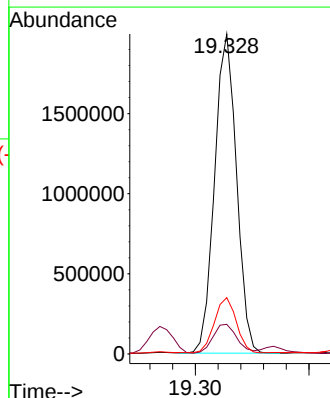
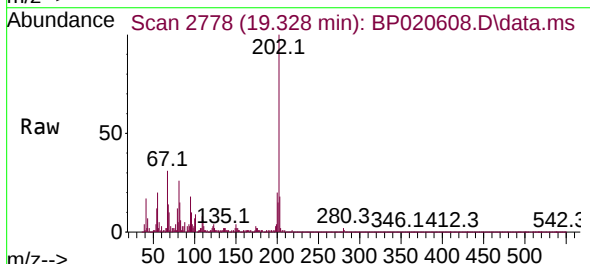
Instrument :
 BNA_P
 ClientSampleId :
 HR-04-061124

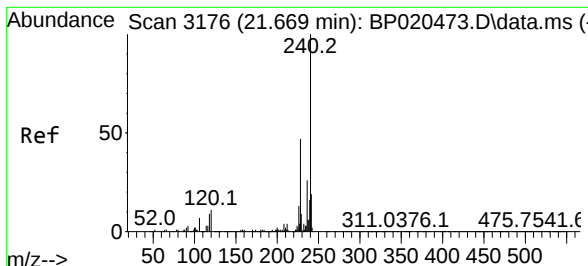
Tgt Ion:167 Resp: 181052
 Ion Ratio Lower Upper
 167 100
 166 27.8 17.1 25.7#
 139 17.4 10.5 15.7#



#75
 Fluoranthene
 Concen: 37.744 ng
 RT: 19.328 min Scan# 2778
 Delta R.T. -0.012 min
 Lab File: BP020608.D
 Acq: 12 Jun 2024 20:24

Tgt Ion:202 Resp: 2668178
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 31.4
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

Instrument :

BNA_P

ClientSampleId :

HR-04-061124

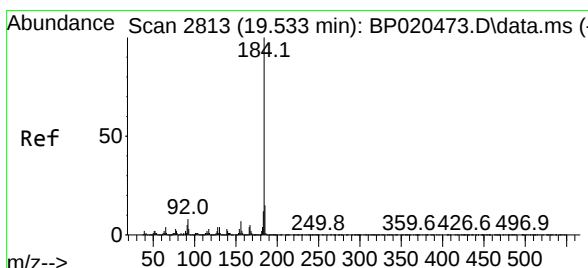
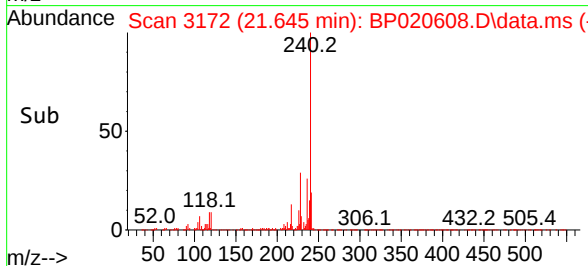
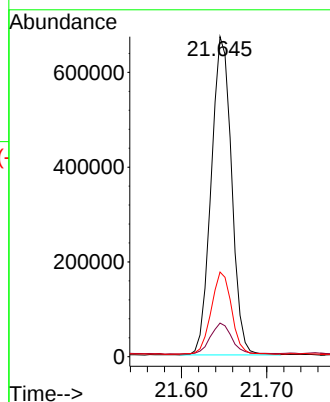
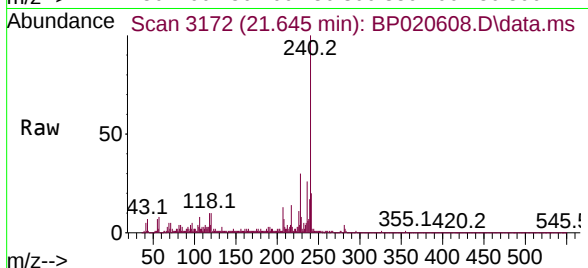
Tgt Ion:240 Resp: 1114058

Ion Ratio Lower Upper

240 100

120 10.5 8.5 12.7

236 26.4 20.5 30.7



#77

Benzidine

Concen: 6.090 ng

RT: 19.492 min Scan# 2806

Delta R.T. -0.041 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

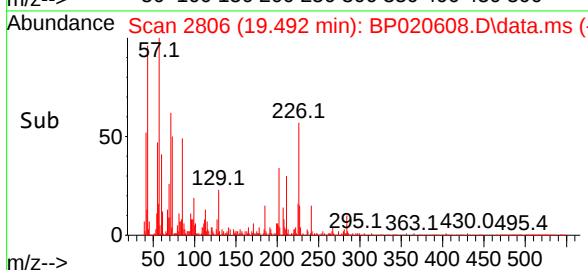
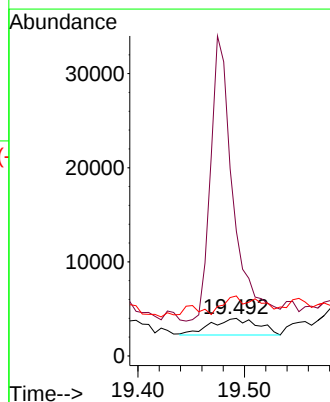
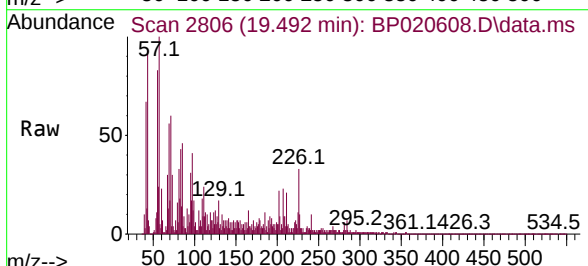
Tgt Ion:184 Resp: 5414

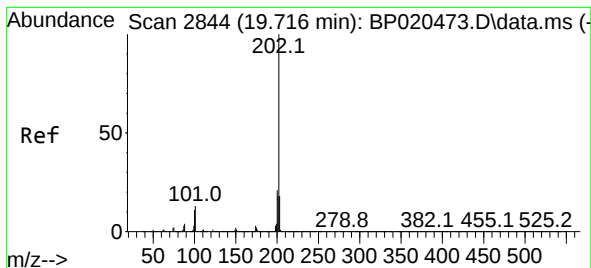
Ion Ratio Lower Upper

184 100

185 332.0 12.0 18.0#

183 159.5 9.4 14.0#





#78

Pyrene

Concen: 28.777 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

Instrument :

BNA_P

ClientSampleId :

HR-04-061124

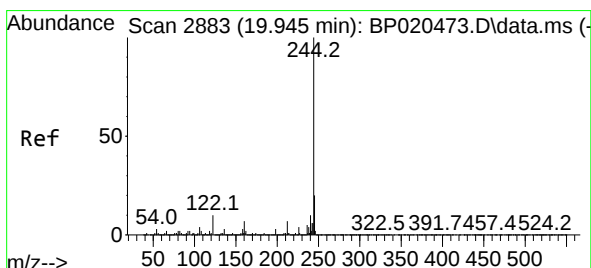
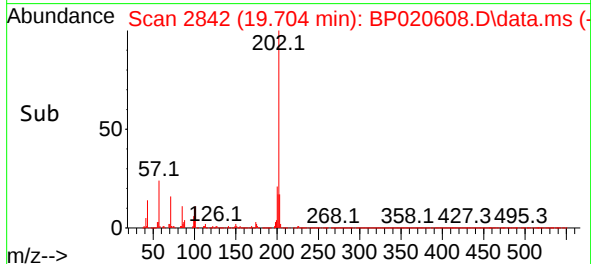
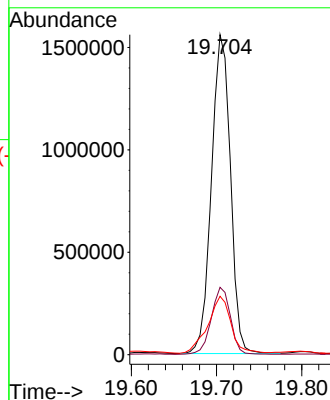
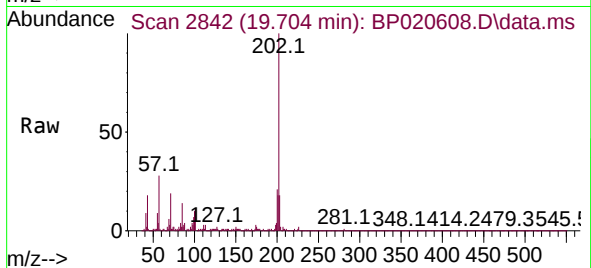
Tgt Ion:202 Resp: 2411473

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 9.470 ng

RT: 19.928 min Scan# 2880

Delta R.T. -0.017 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

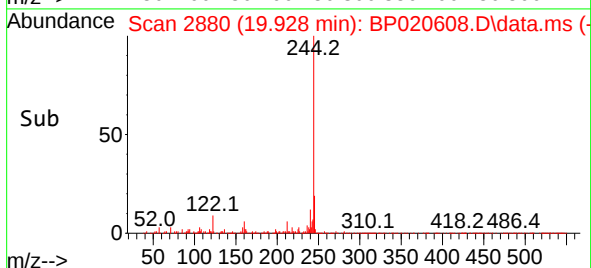
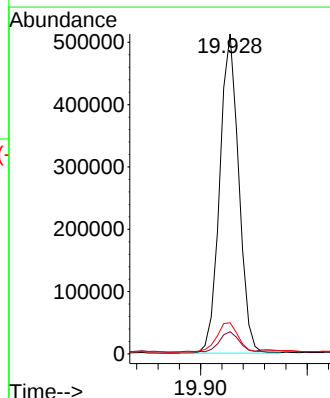
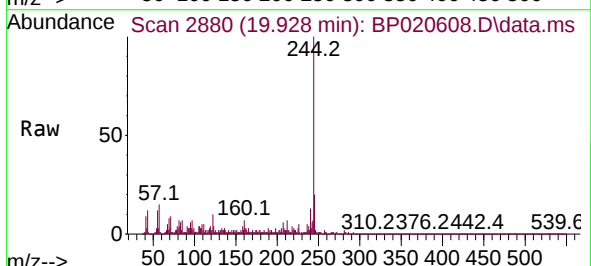
Tgt Ion:244 Resp: 633736

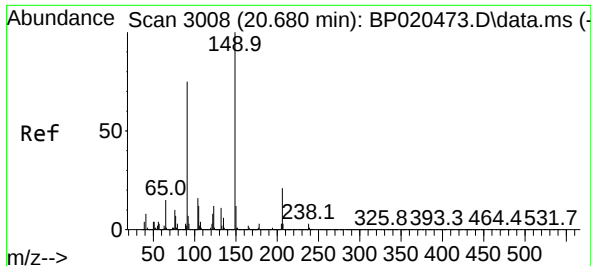
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.7 8.2 12.2

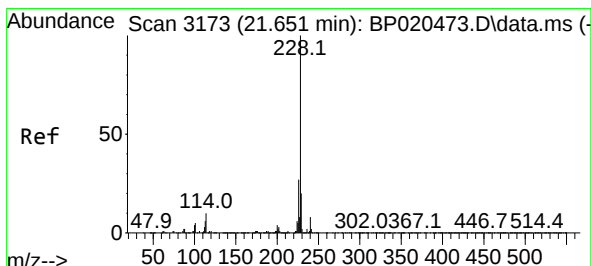
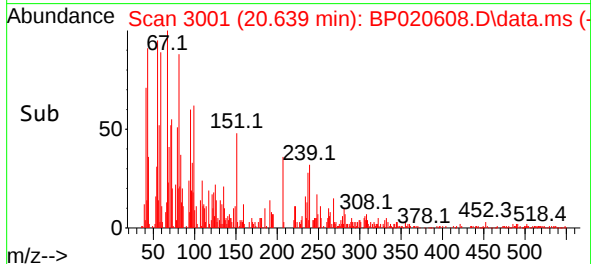
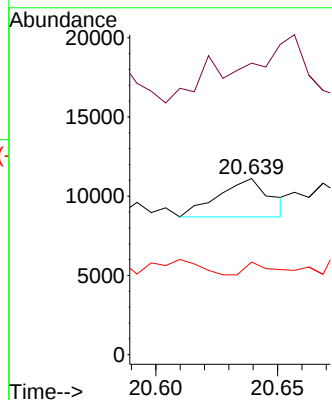
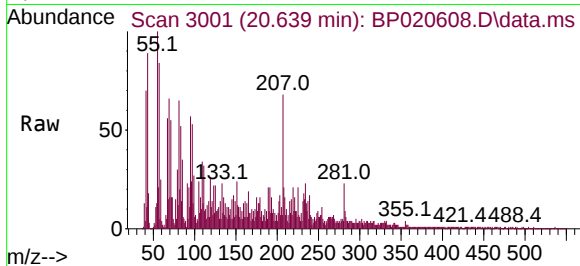




#80
Butylbenzylphthalate
Concen: 2.532 ng
RT: 20.639 min Scan# 30
Delta R.T. -0.041 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

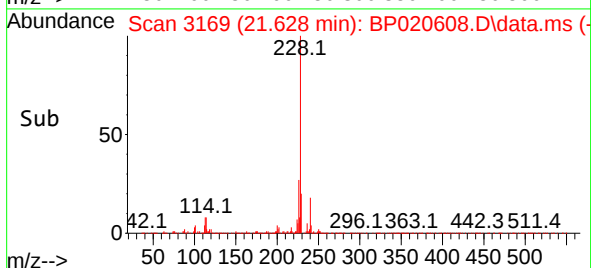
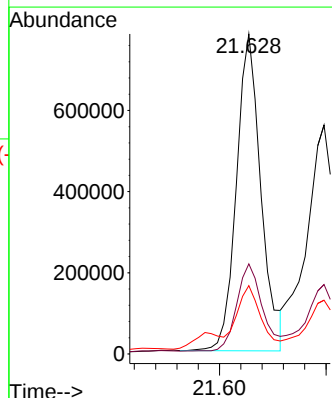
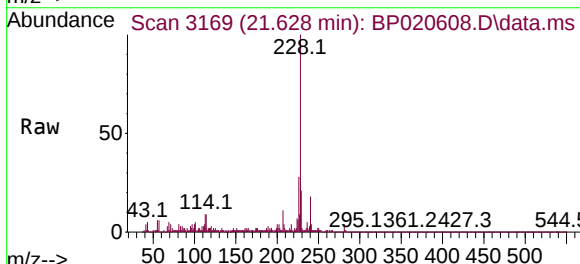
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

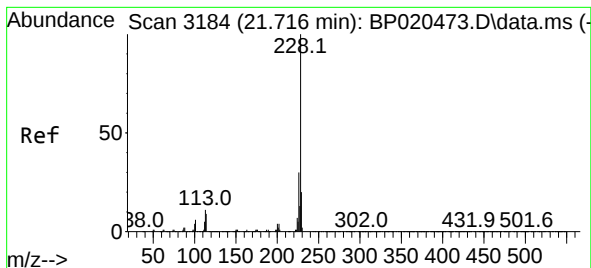
Tgt Ion:149 Resp: 3577
Ion Ratio Lower Upper
149 100
91 165.5 60.0 90.0#
206 52.6 16.6 25.0#



#81
Benzo(a)anthracene
Concen: 17.029 ng
RT: 21.628 min Scan# 3169
Delta R.T. -0.023 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:228 Resp: 1249168
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 21.4 15.8 23.6





#83

Chrysene

Concen: 15.887 ng

RT: 21.698 min Scan# 3184

Delta R.T. -0.018 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

Instrument :

BNA_P

ClientSampleId :

HR-04-061124

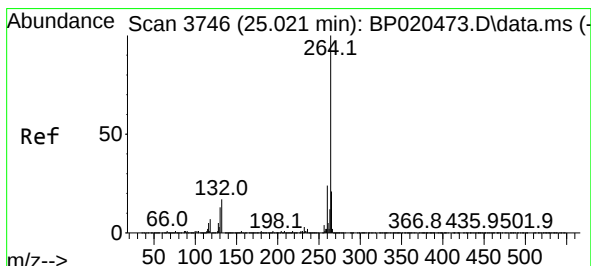
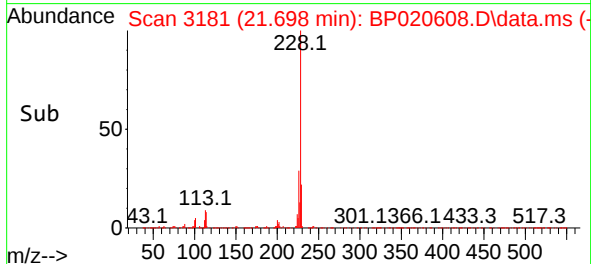
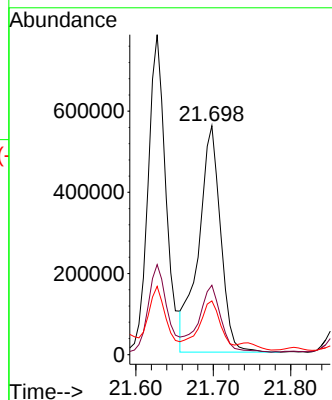
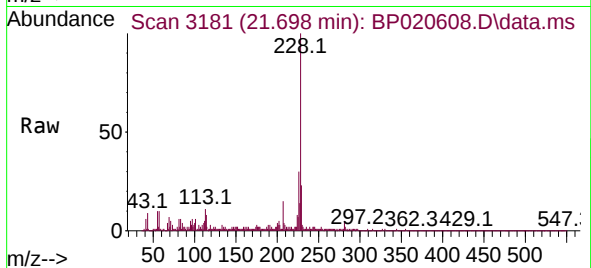
Tgt Ion:228 Resp: 1098085

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 23.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.021 min Scan# 3746

Delta R.T. 0.000 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

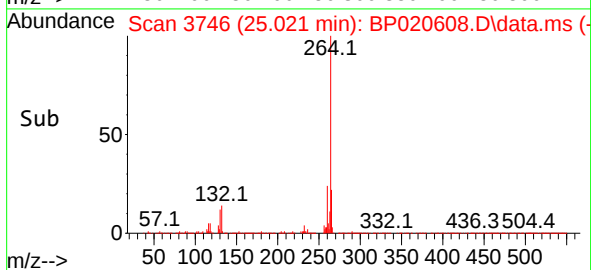
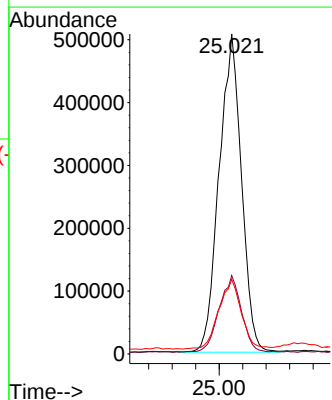
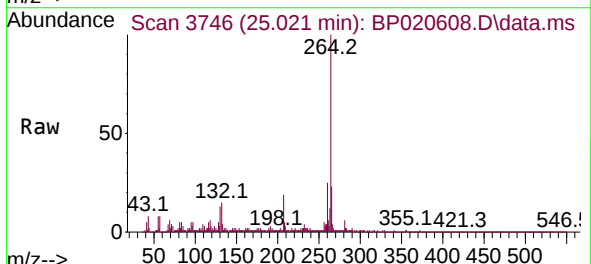
Tgt Ion:264 Resp: 1337218

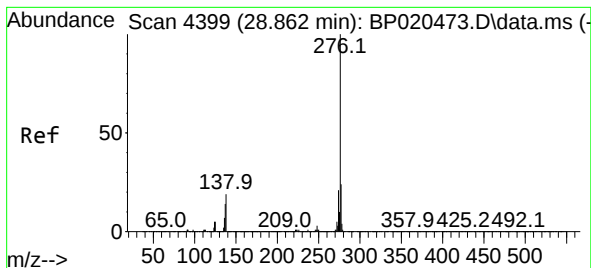
Ion Ratio Lower Upper

264 100

260 24.5 18.9 28.3

265 23.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.942 ng

RT: 28.851 min Scan# 41

Delta R.T. -0.012 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

Instrument :

BNA_P

ClientSampleId :

HR-04-061124

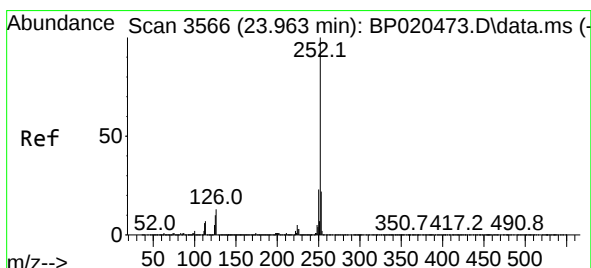
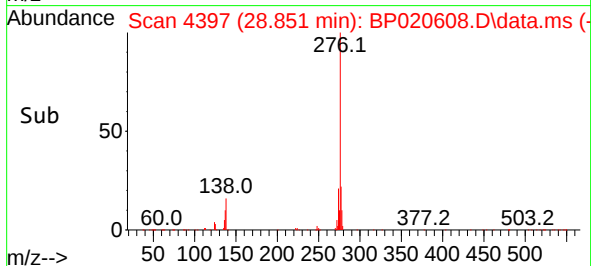
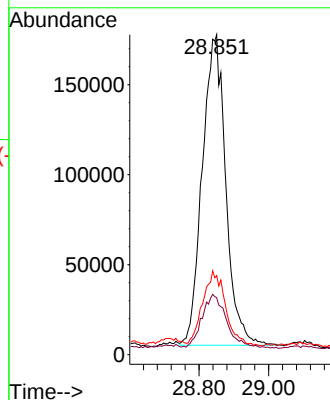
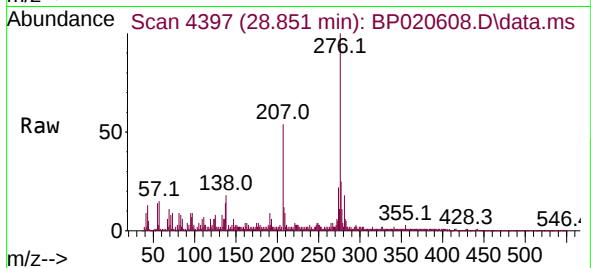
Tgt Ion:276 Resp: 808404

Ion Ratio Lower Upper

276 100

138 18.2 12.8 19.2

277 23.6 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 18.902 ng

RT: 23.957 min Scan# 3565

Delta R.T. -0.006 min

Lab File: BP020608.D

Acq: 12 Jun 2024 20:24

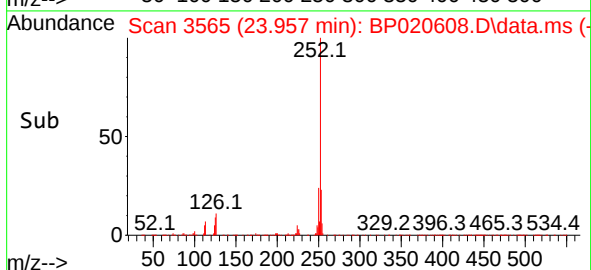
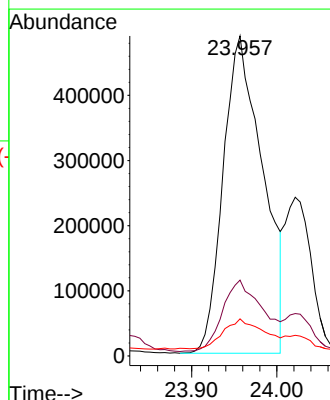
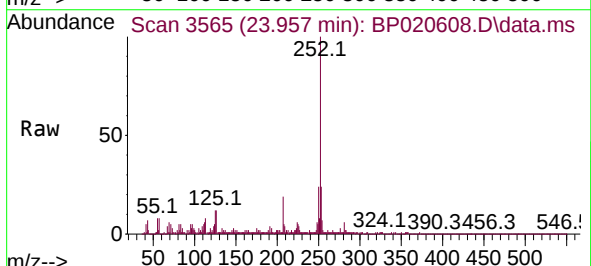
Tgt Ion:252 Resp: 1574644

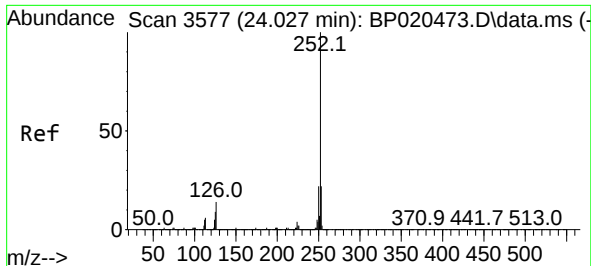
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 11.6 8.0 12.0

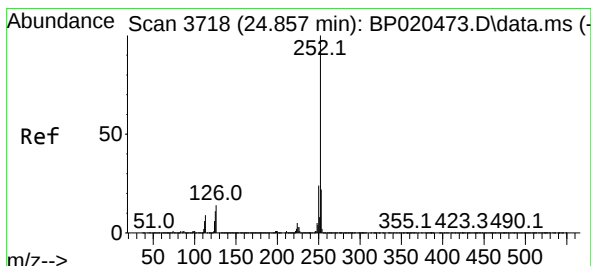
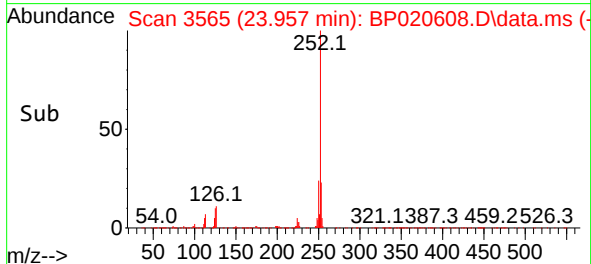
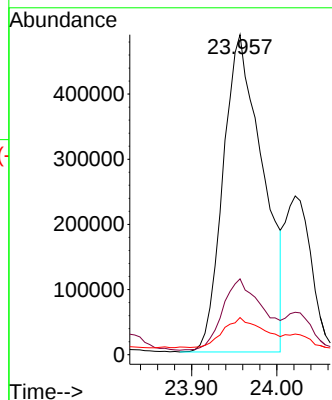
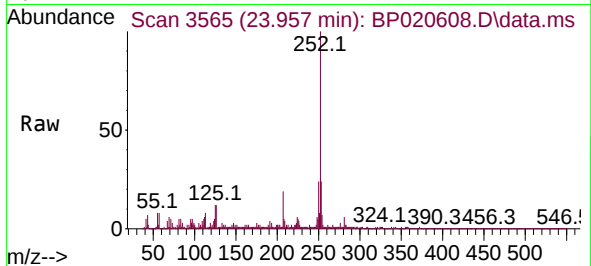




#89
Benzo(k)fluoranthene
Concen: 19.380 ng
RT: 23.957 min Scan# 31
Delta R.T. -0.070 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

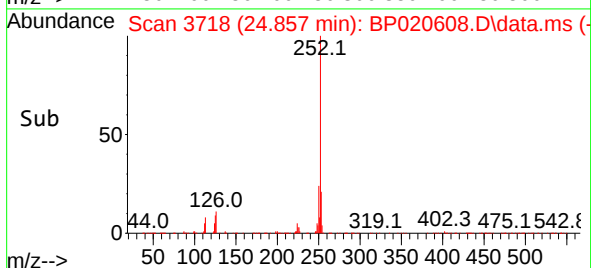
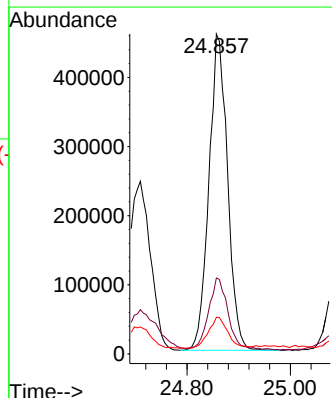
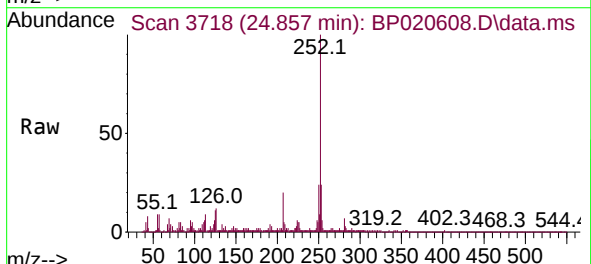
Instrument :
BNA_P
ClientSampleId :
HR-04-061124

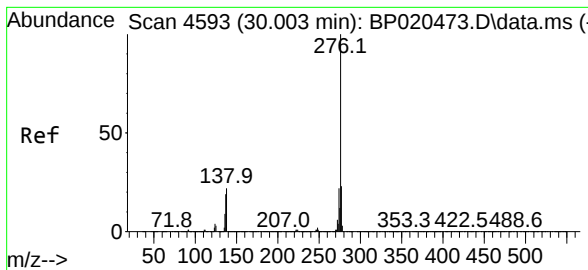
Tgt Ion:252 Resp: 1574644
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 11.6 7.8 11.6



#90
Benzo(a)pyrene
Concen: 16.555 ng
RT: 24.857 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BP020608.D
Acq: 12 Jun 2024 20:24

Tgt Ion:252 Resp: 1142138
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 11.5 8.9 13.3





#92
 Benzo(g,h,i)perylene
 Concen: 11.035 ng
 RT: 30.045 min Scan# 4
 Delta R.T. 0.041 min
 Lab File: BP020608.D
 Acq: 12 Jun 2024 20:24

Instrument :
 BNA_P
 ClientSampleId :
 HR-04-061124

Tgt Ion:276 Resp: 748121
 Ion Ratio Lower Upper
 276 100
 277 26.4 18.7 28.1
 138 19.9 17.7 26.5

