

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061324\
 Data File : BP020620.D
 Acq On : 13 Jun 2024 21:03
 Operator : MA/JU
 Sample : P2858-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-07-06122024

Quant Time: Jun 13 23:38:34 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

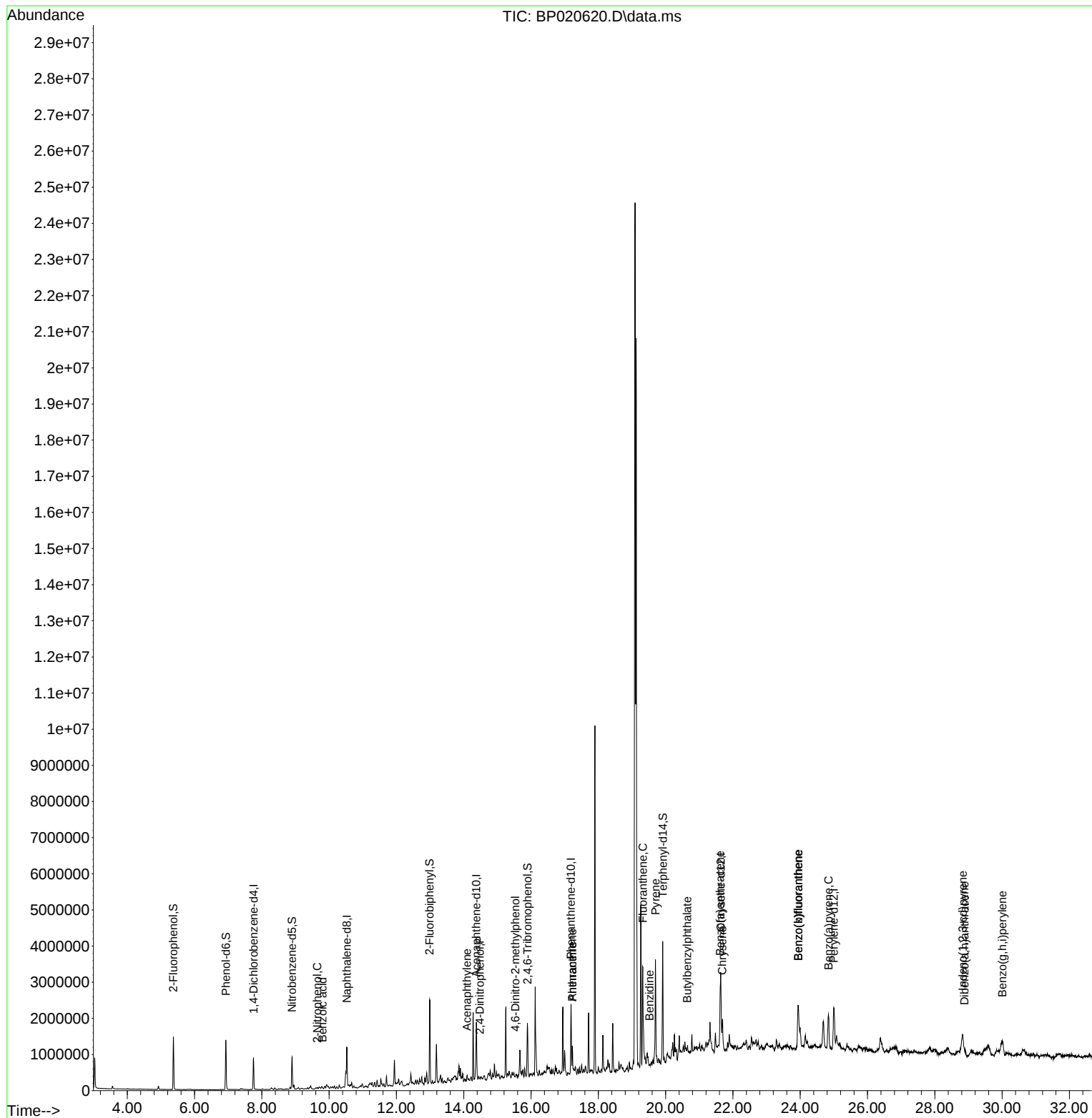
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	238696	20.000	ng	-0.02
21) Naphthalene-d8	10.528	136	933662	20.000	ng	0.00
39) Acenaphthene-d10	14.375	164	576252	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1144184	20.000	ng	-0.02
76) Chrysene-d12	21.639	240	1053444	20.000	ng	-0.03
86) Perylene-d12	24.998	264	1249191	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	653007	48.982	ng	0.00
7) Phenol-d6	6.928	99	839840	44.670	ng	0.00
23) Nitrobenzene-d5	8.899	82	514191	30.147	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	327999	54.846	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	1232390	31.881	ng	-0.02
79) Terphenyl-d14	19.916	244	1816625	28.708	ng	-0.03
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.646	139	417	3.847	ng	# 1
32) Benzoic acid	9.799	122	294	6.875	ng	# 1
49) Acenaphthylene	14.098	152	120379	2.509	ng	94
54) 2,4-Dinitrophenol	14.481	184	160	5.027	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.534	198	77	7.666	ng	# 1
71) Phenanthrene	17.228	178	432753	7.694	ng	100
72) Anthracene	17.228	178	432753	7.841	ng	99
75) Fluoranthene	19.322	202	1238292	18.610	ng	99
77) Benzidine	19.522	184	648	5.986	ng	# 1
78) Pyrene	19.698	202	1334479	16.841	ng	99
80) Butylbenzylphthalate	20.645	149	6435	2.622	ng	# 44
81) Benzo(a)anthracene	21.616	228	734797	10.593	ng	95
83) Chrysene	21.686	228	734356	11.236	ng	97
87) Indeno(1,2,3-cd)pyrene	28.833	276	883311	11.628	ng	# 89
88) Benzo(b)fluoranthene	23.939	252	1448492	18.613	ng	98
89) Benzo(k)fluoranthene	23.939	252	1448492	19.084	ng	97
90) Benzo(a)pyrene	24.839	252	1138722	17.668	ng	98
91) Dibenzo(a,h)anthracene	28.880	278	218983	3.456	ng	# 88
92) Benzo(g,h,i)perylene	30.009	276	943745	14.902	ng	95

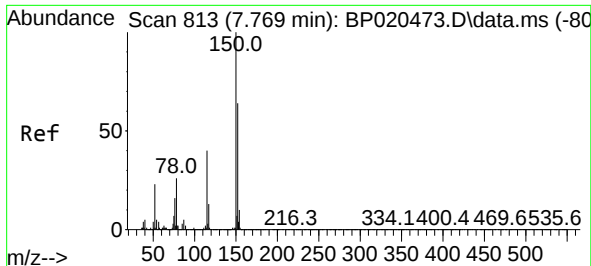
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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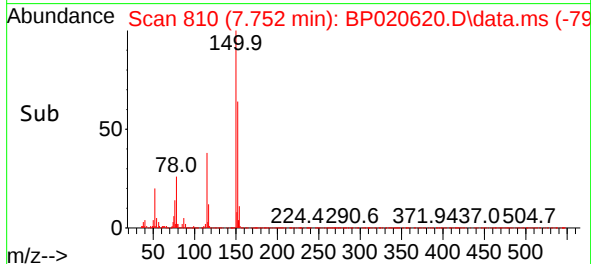
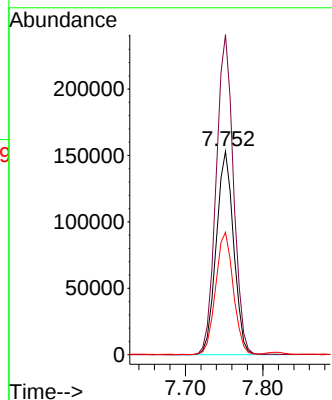
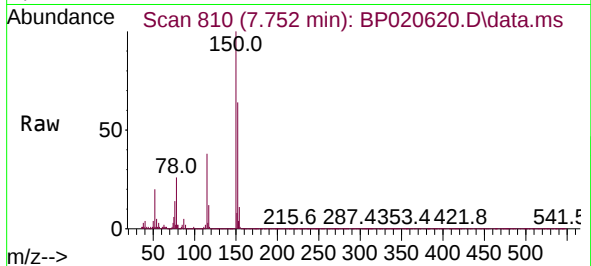




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 813
Delta R.T. -0.017 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

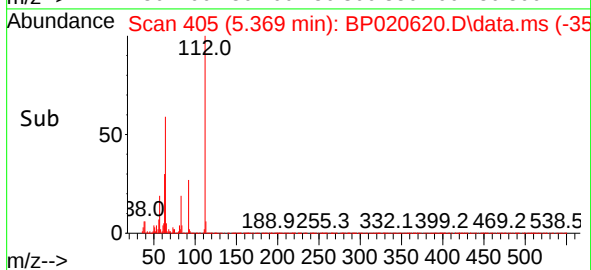
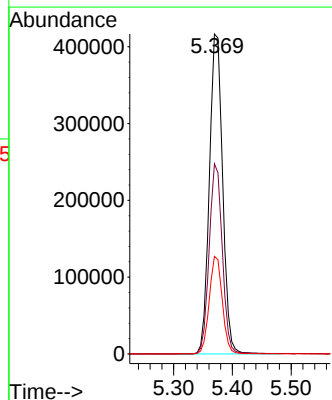
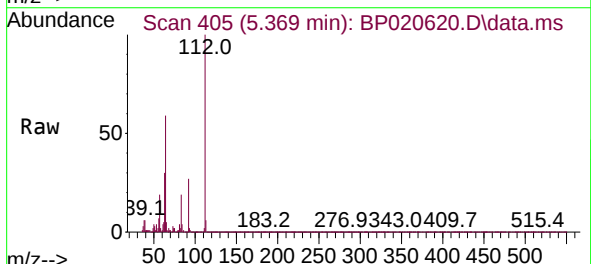
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024

Tgt Ion:152 Resp: 238696
Ion Ratio Lower Upper
152 100
150 157.3 124.2 186.2
115 60.2 49.5 74.3



#5
2-Fluorophenol
Concen: 48.982 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:112 Resp: 653007
Ion Ratio Lower Upper
112 100
64 59.5 50.1 75.1
63 30.5 25.7 38.5

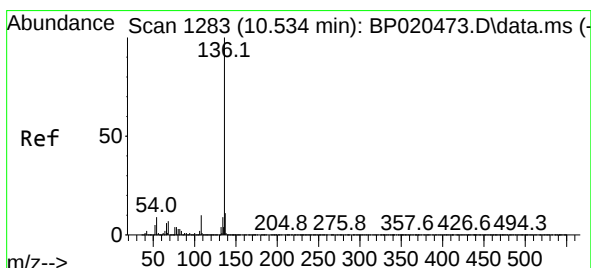
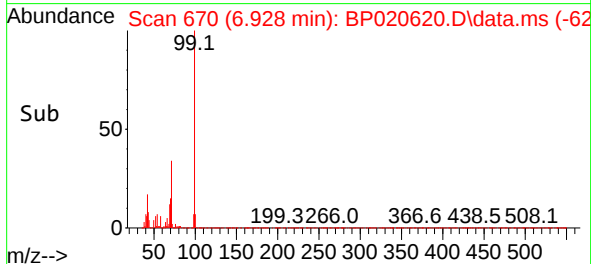
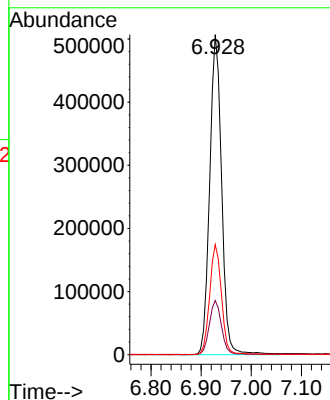
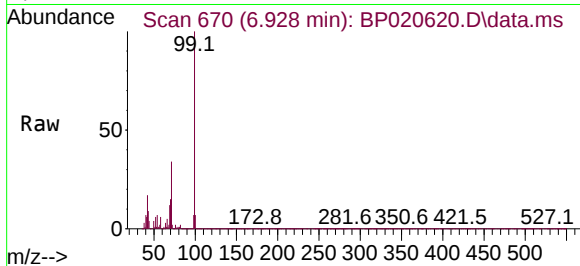




#7
Phenol-d6
Concen: 44.670 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

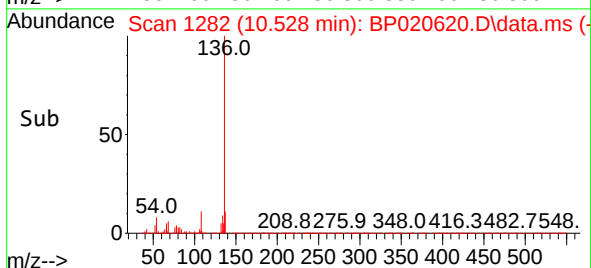
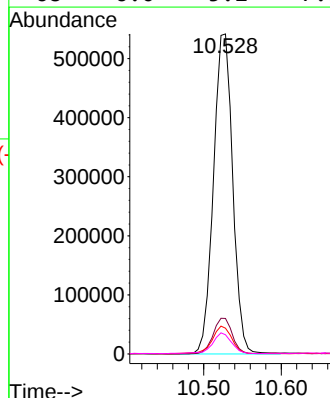
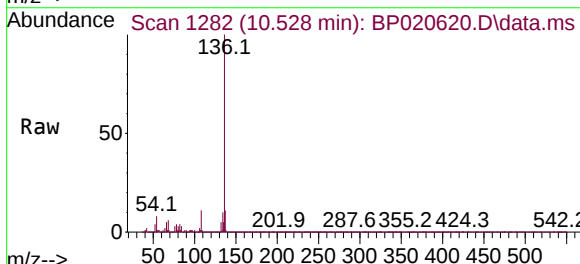
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024

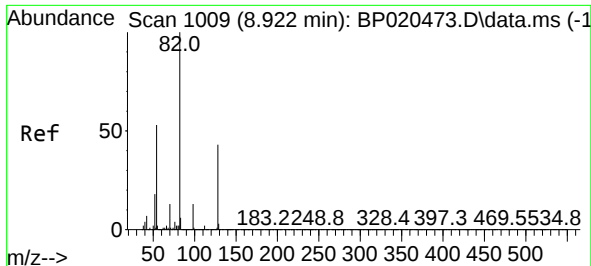
Tgt Ion: 99 Resp: 839840
Ion Ratio Lower Upper
99 100
42 16.9 15.0 22.4
71 34.4 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion: 136 Resp: 933662
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.0 7.4 11.0
68 6.0 5.2 7.8

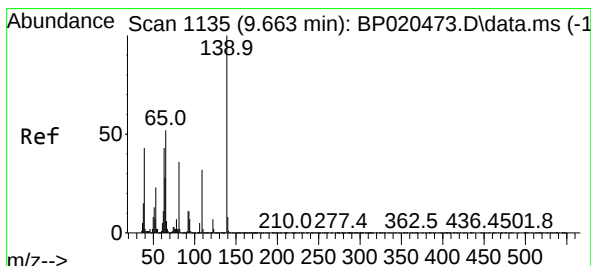
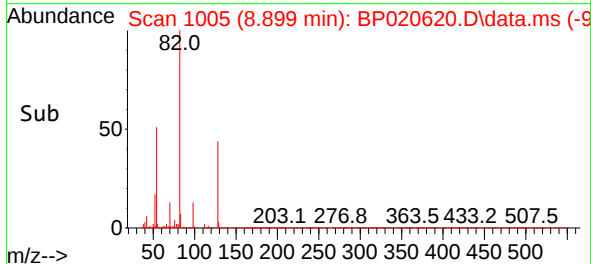
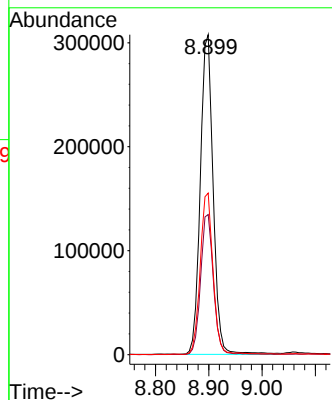
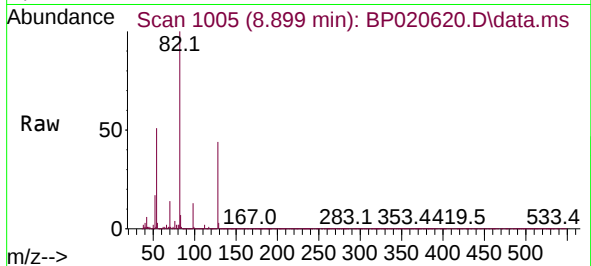




#23
Nitrobenzene-d5
Concen: 30.147 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

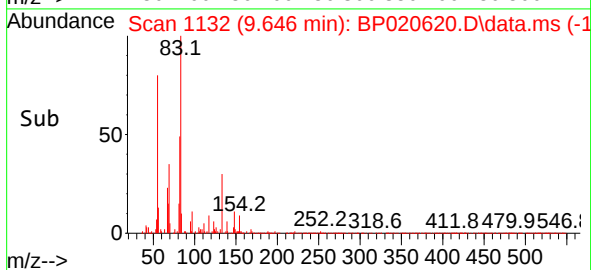
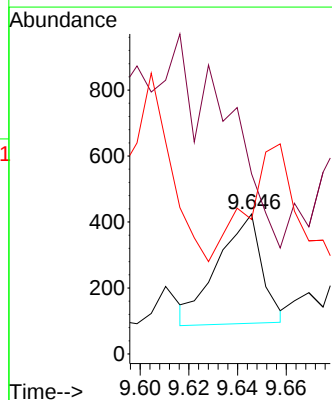
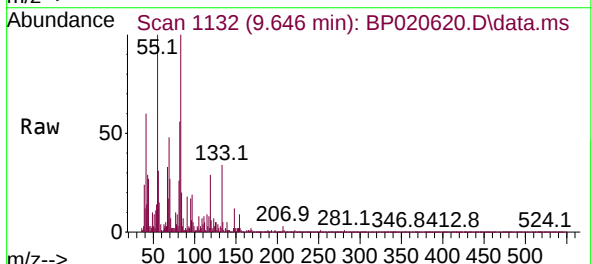
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024

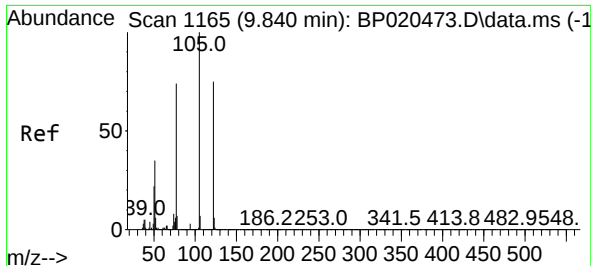
Tgt Ion: 82 Resp: 514191
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 50.5 42.7 64.1



#26
2-Nitrophenol
Concen: 3.847 ng
RT: 9.646 min Scan# 1132
Delta R.T. -0.017 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:139 Resp: 417
Ion Ratio Lower Upper
139 100
109 128.8 25.8 38.8#
65 96.2 41.8 62.8#

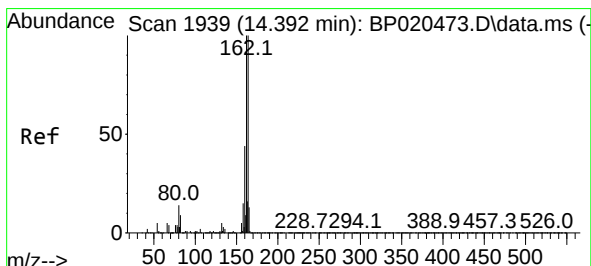
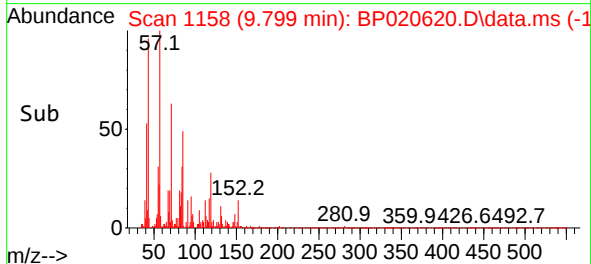
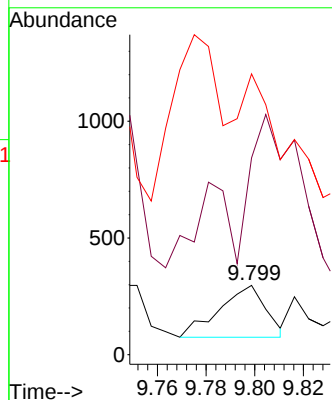
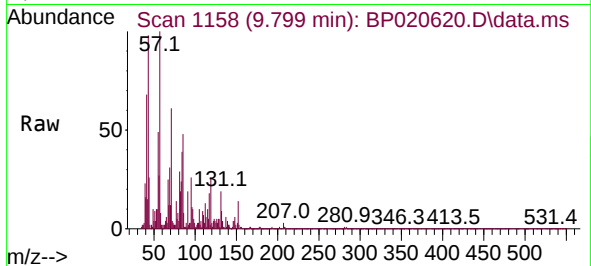




#32
Benzoic acid
Concen: 6.875 ng
RT: 9.799 min Scan# 1165
Delta R.T. -0.041 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

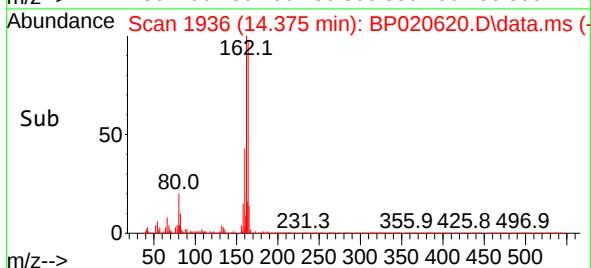
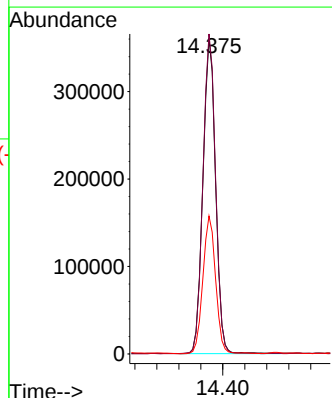
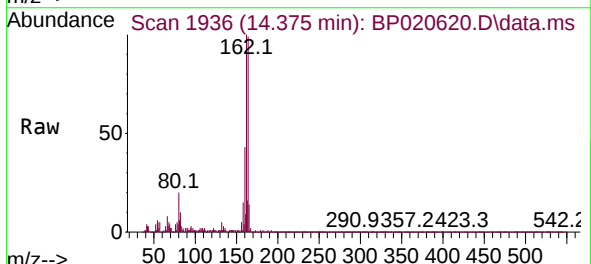
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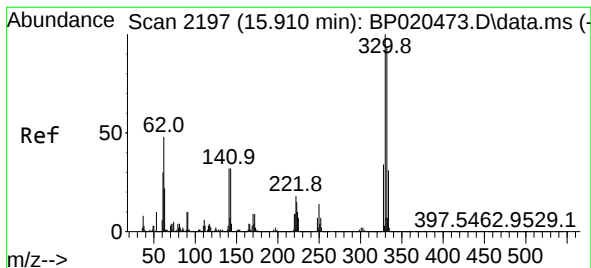
Tgt Ion:122 Resp: 294
Ion Ratio Lower Upper
122 100
105 283.8 107.5 147.5#
77 405.1 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:164 Resp: 576252
Ion Ratio Lower Upper
164 100
162 101.4 80.3 120.5
160 43.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 54.846 ng

RT: 15.898 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

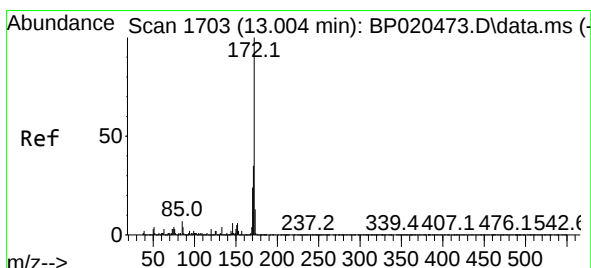
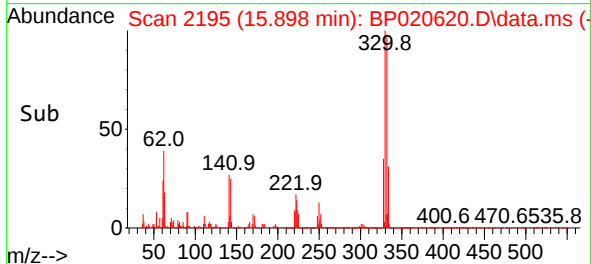
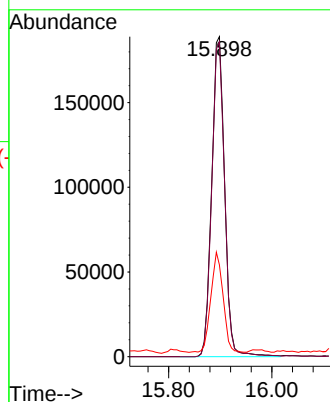
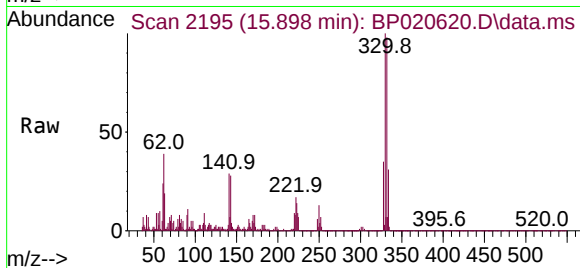
Tgt Ion:330 Resp: 327999

Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

141 29.6 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 31.881 ng

RT: 12.987 min Scan# 1700

Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

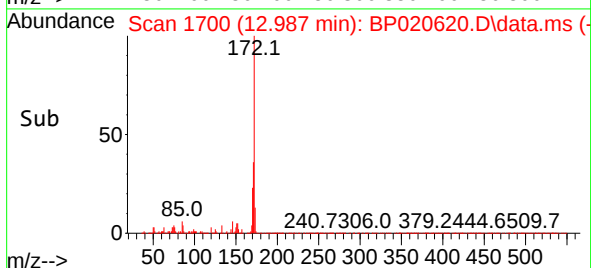
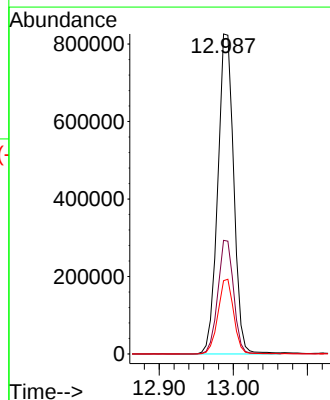
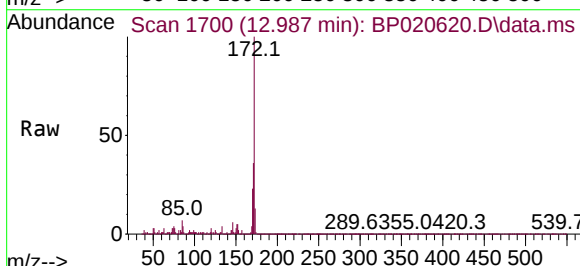
Tgt Ion:172 Resp: 1232390

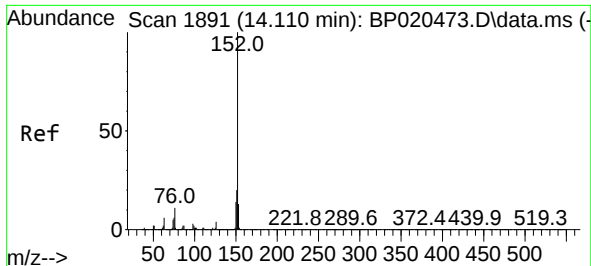
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 22.9 18.9 28.3

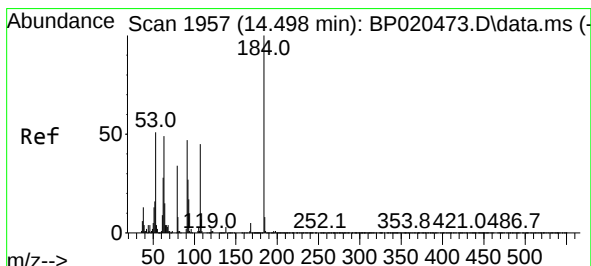
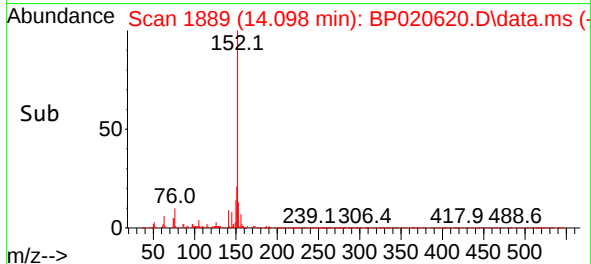
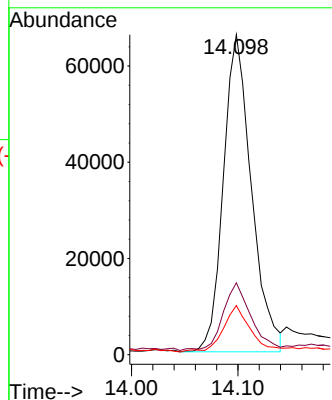
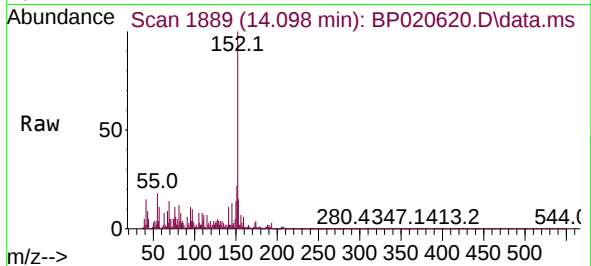




#49
Acenaphthylene
Concen: 2.509 ng
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

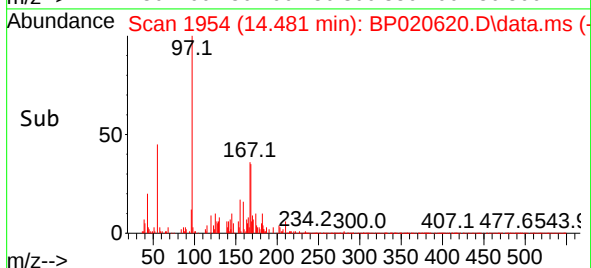
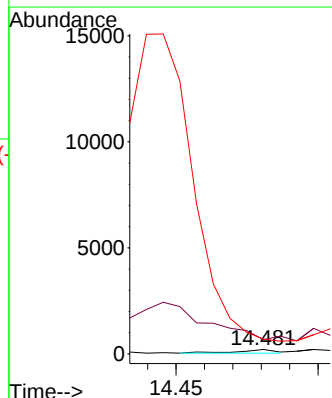
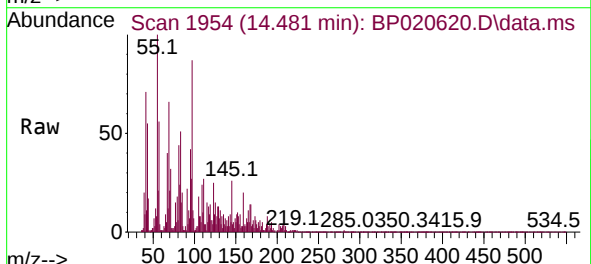
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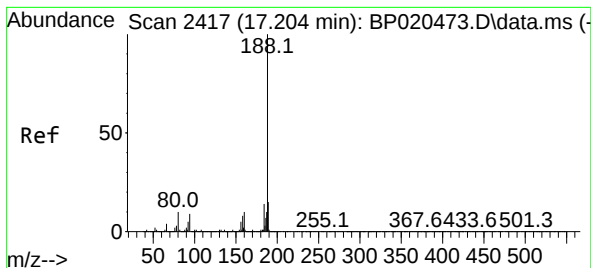
Tgt Ion:152 Resp: 120379
Ion Ratio Lower Upper
152 100
151 22.5 15.9 23.9
153 15.4 10.6 15.8



#54
2,4-Dinitrophenol
Concen: 5.027 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.017 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:184 Resp: 160
Ion Ratio Lower Upper
184 100
63 321.6 54.2 81.4#
154 336.5 51.0 76.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2417

Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

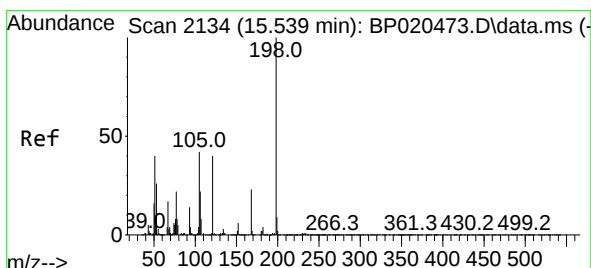
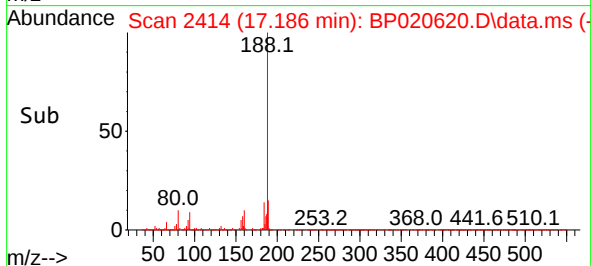
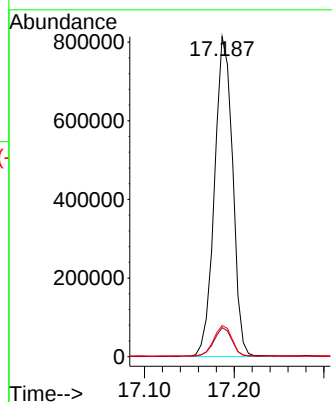
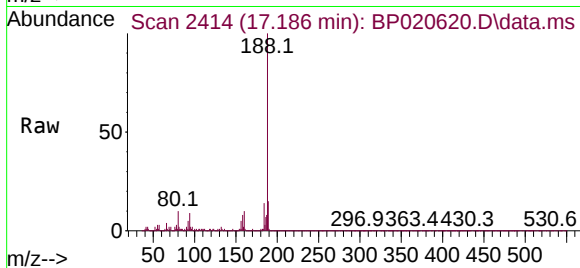
Tgt Ion:188 Resp: 1144184

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 9.7 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.666 ng

RT: 15.534 min Scan# 2133

Delta R.T. -0.005 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

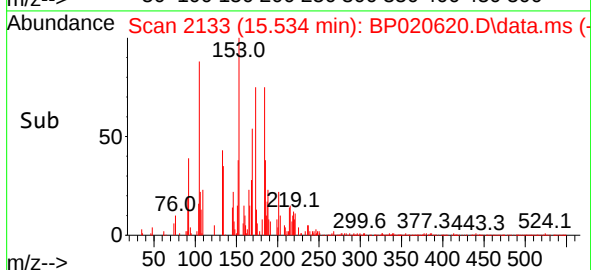
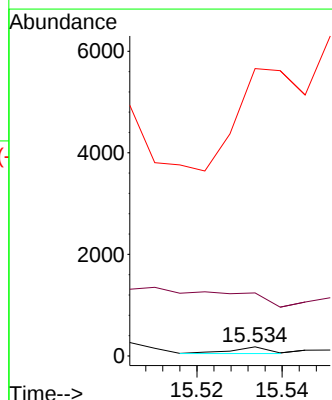
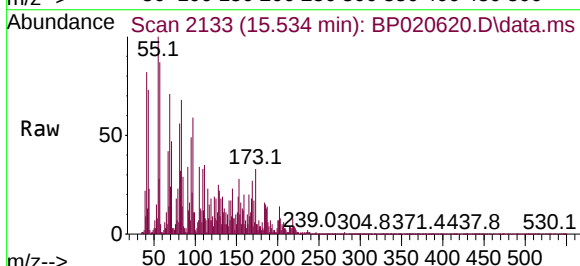
Tgt Ion:198 Resp: 77

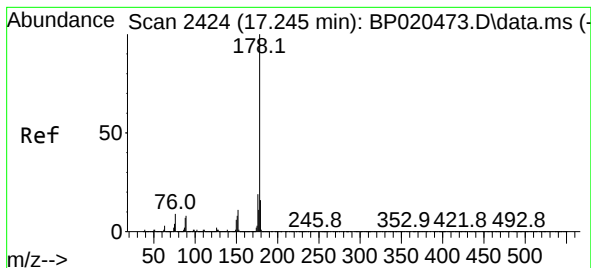
Ion Ratio Lower Upper

198 100

51 689.4 24.8 64.8#

105 3143.9 23.2 63.2#





#71

Phenanthrene

Concen: 7.694 ng

RT: 17.228 min Scan# 2421

Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

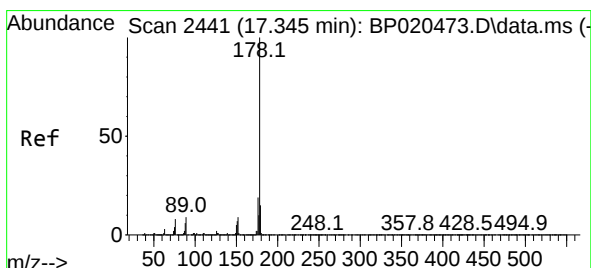
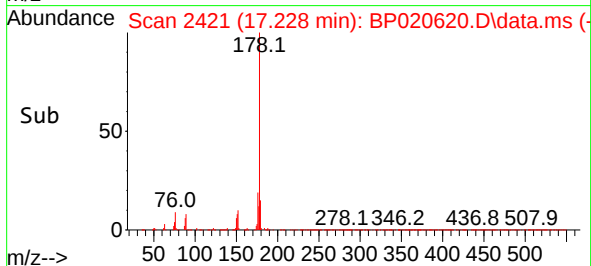
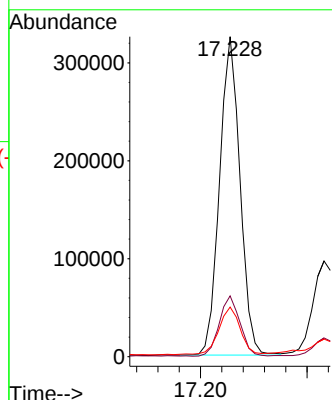
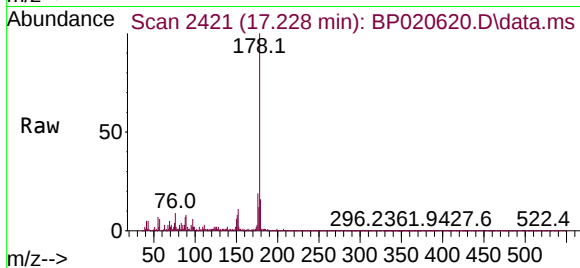
Tgt Ion:178 Resp: 432753

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.5 12.5 18.7



#72

Anthracene

Concen: 7.841 ng

RT: 17.228 min Scan# 2421

Delta R.T. -0.118 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

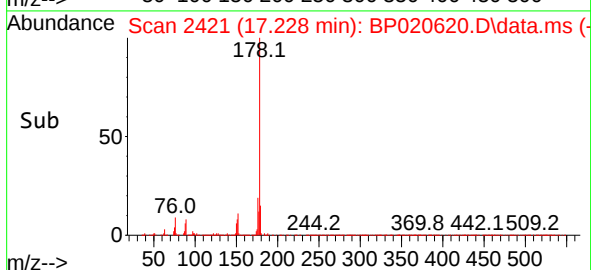
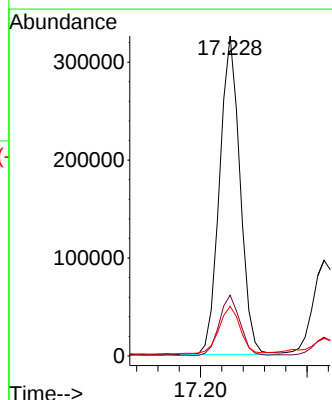
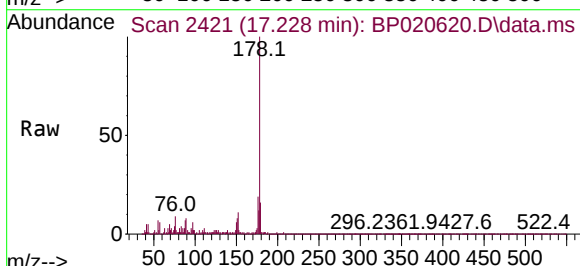
Tgt Ion:178 Resp: 432753

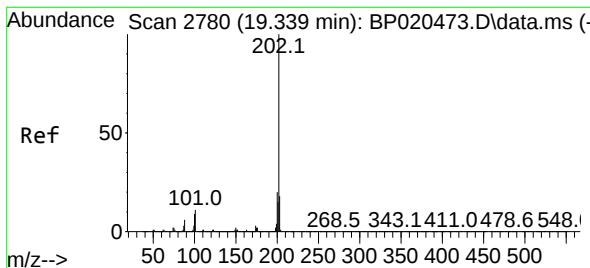
Ion Ratio Lower Upper

178 100

176 19.0 14.8 22.2

179 15.5 12.2 18.4





#75

Fluoranthene

Concen: 18.610 ng

RT: 19.322 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

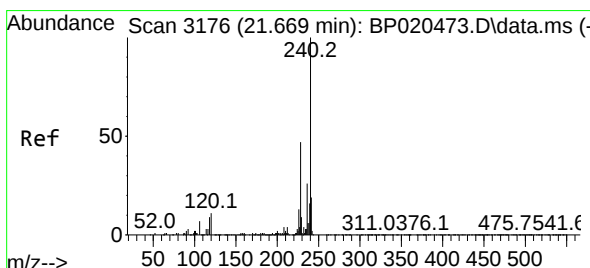
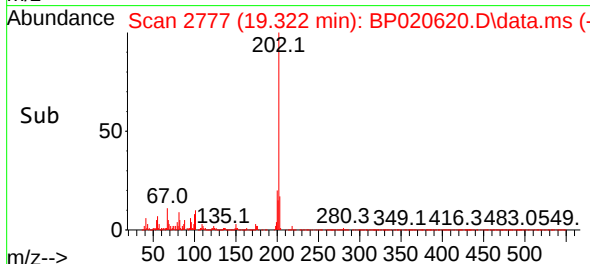
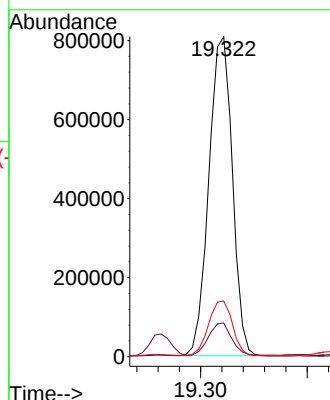
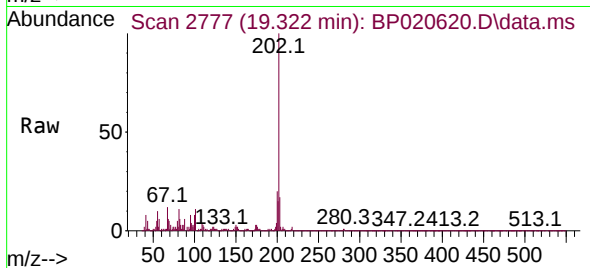
Tgt Ion:202 Resp: 1238292

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.029 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

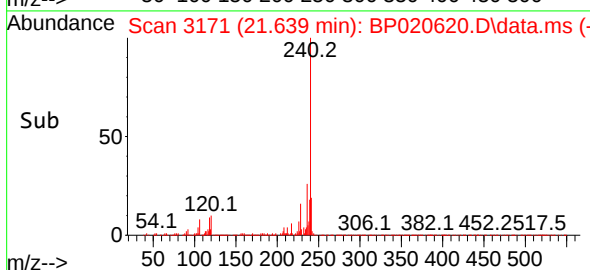
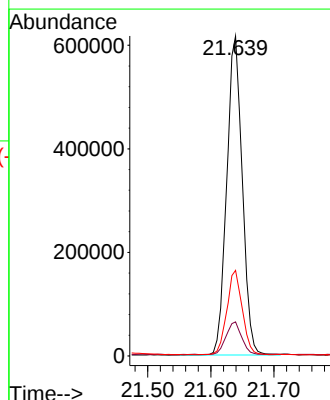
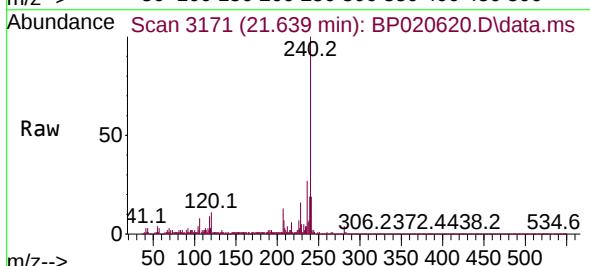
Tgt Ion:240 Resp: 1053444

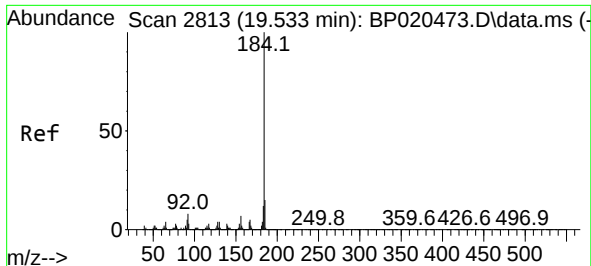
Ion Ratio Lower Upper

240 100

120 10.6 8.5 12.7

236 26.8 20.5 30.7

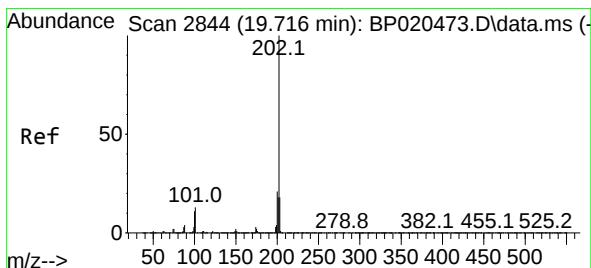
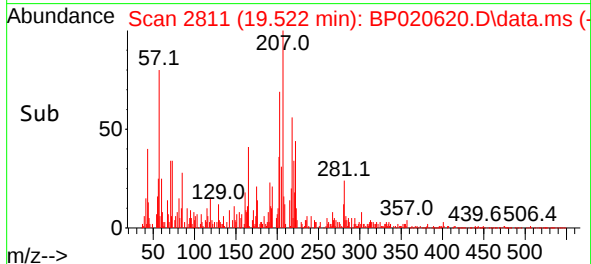
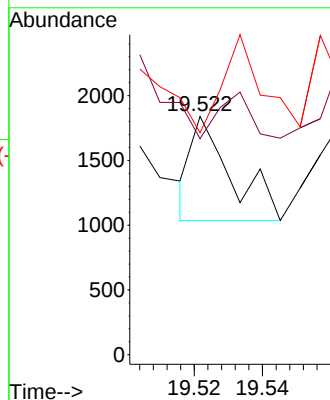
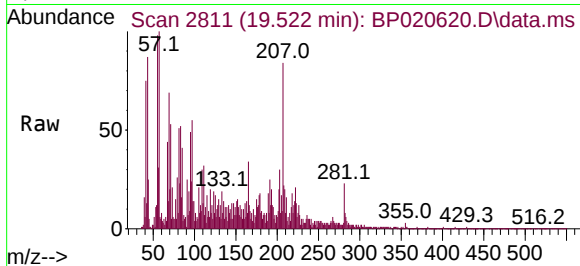




#77
Benzidine
Concen: 5.986 ng
RT: 19.522 min Scan# 2811
Delta R.T. -0.011 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

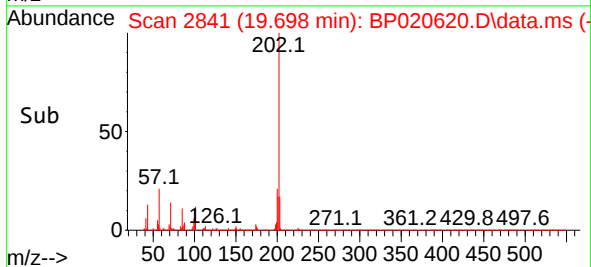
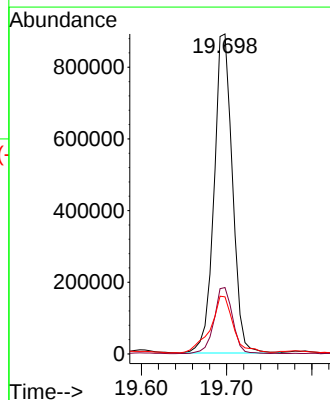
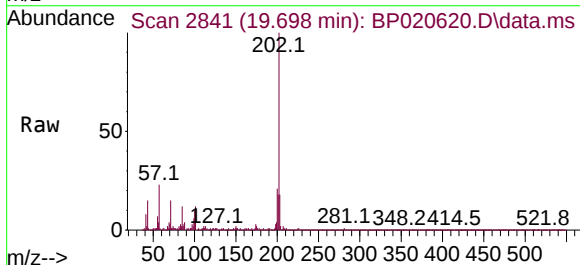
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024

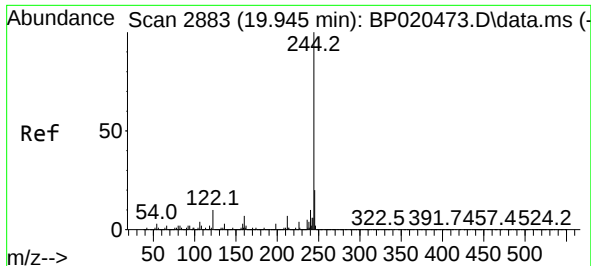
Tgt Ion:184 Resp: 648
Ion Ratio Lower Upper
184 100
185 90.7 12.0 18.0#
183 93.2 9.4 14.0#



#78
Pyrene
Concen: 16.841 ng
RT: 19.698 min Scan# 2841
Delta R.T. -0.018 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:202 Resp: 1334479
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.9 14.1 21.1

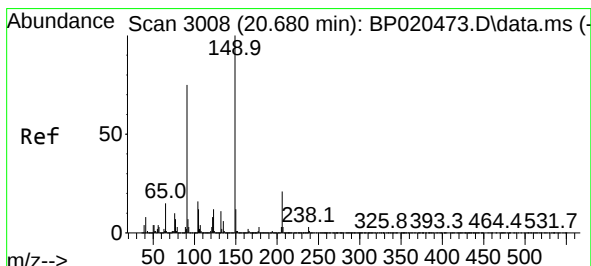
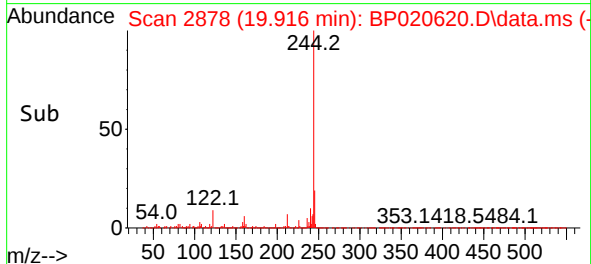
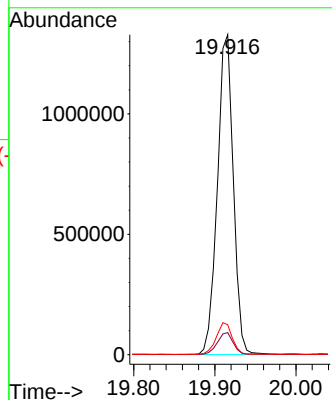
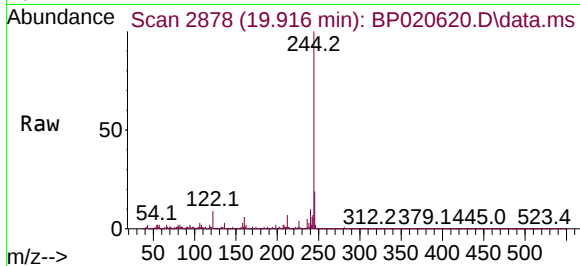




#79
 Terphenyl-d14
 Concen: 28.708 ng
 RT: 19.916 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BP020620.D
 Acq: 13 Jun 2024 21:03

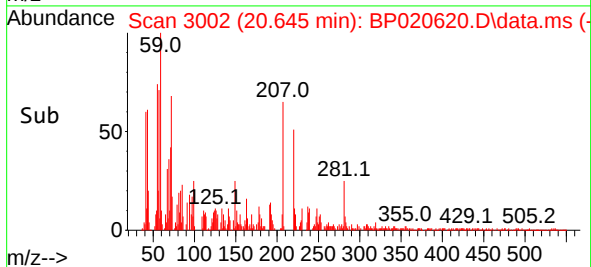
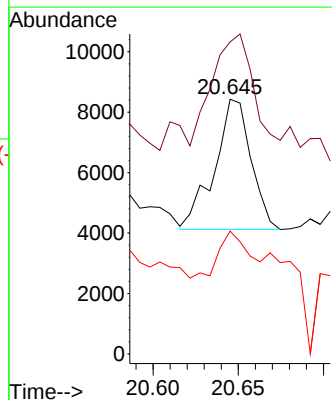
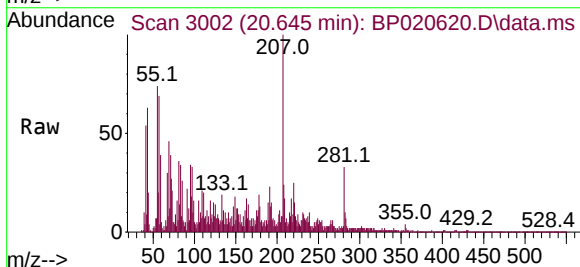
Instrument :
 BNA_P
 ClientSampleId :
 NB-07-06122024

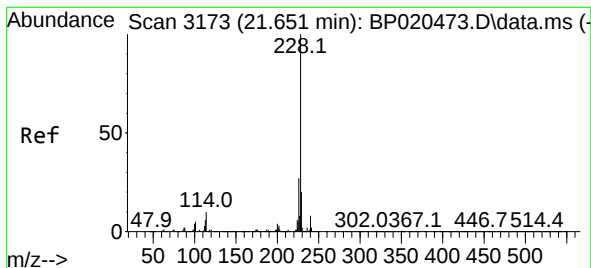
Tgt Ion:244 Resp: 1816625
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.4 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 2.622 ng
 RT: 20.645 min Scan# 3002
 Delta R.T. -0.035 min
 Lab File: BP020620.D
 Acq: 13 Jun 2024 21:03

Tgt Ion:149 Resp: 6435
 Ion Ratio Lower Upper
 149 100
 91 122.5 60.0 90.0#
 206 48.3 16.6 25.0#





#81

Benzo(a)anthracene

Concen: 10.593 ng

RT: 21.616 min Scan# 3179

Delta R.T. -0.035 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

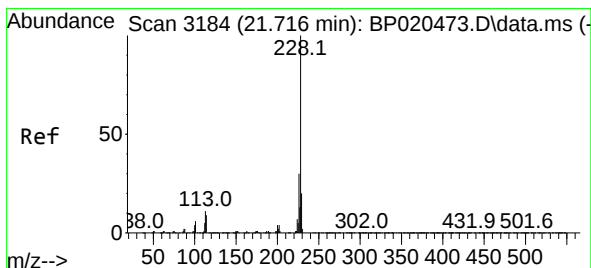
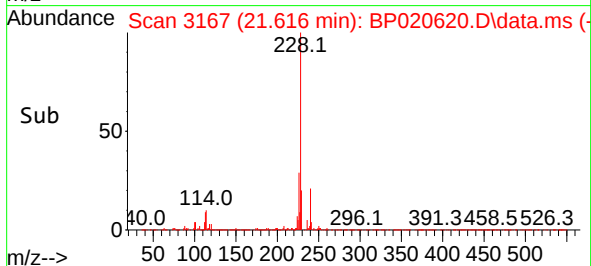
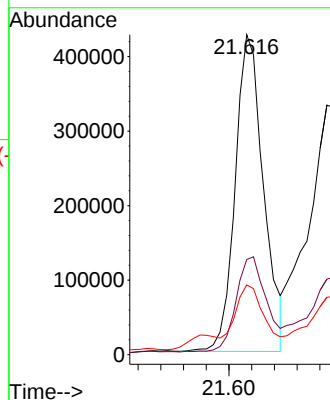
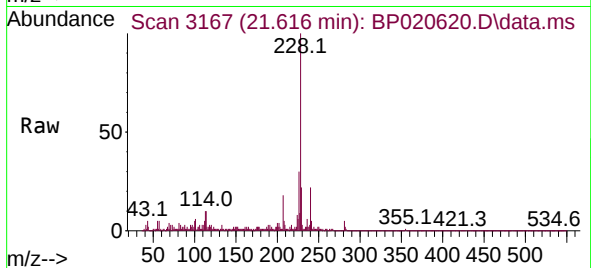
Tgt Ion:228 Resp: 734797

Ion Ratio Lower Upper

228 100

226 29.8 21.7 32.5

229 21.8 15.8 23.6



#83

Chrysene

Concen: 11.236 ng

RT: 21.686 min Scan# 3179

Delta R.T. -0.029 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

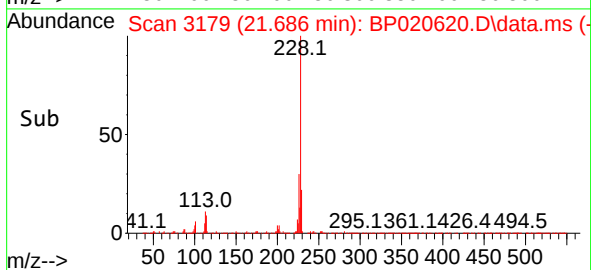
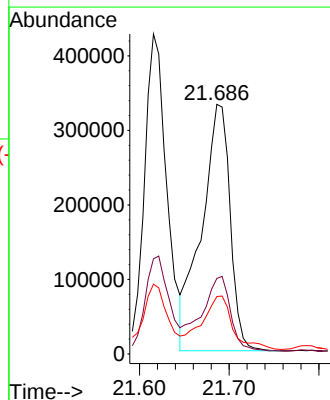
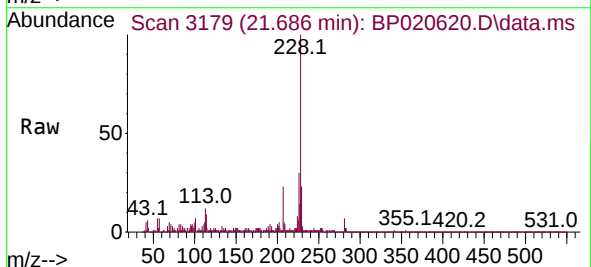
Tgt Ion:228 Resp: 734356

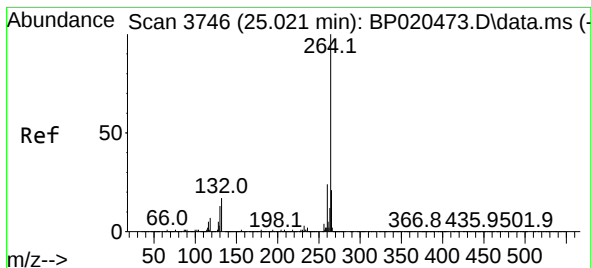
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 23.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

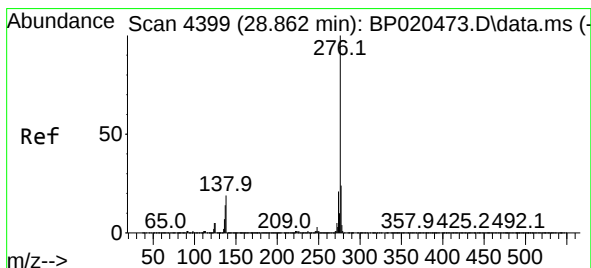
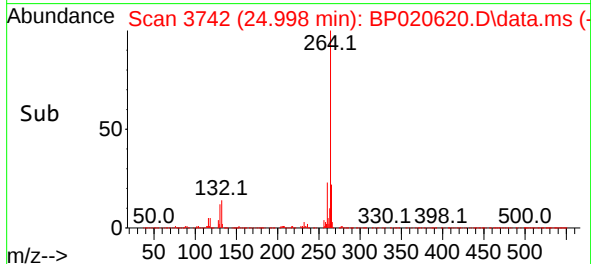
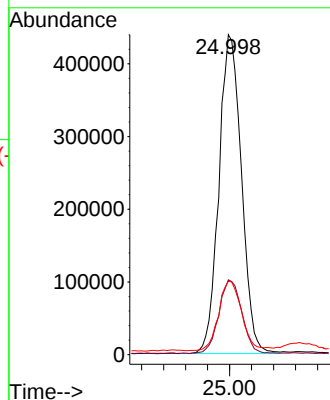
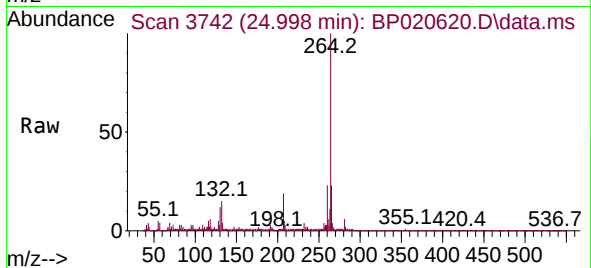
Tgt Ion:264 Resp: 1249191

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 23.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.628 ng

RT: 28.833 min Scan# 4394

Delta R.T. -0.029 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

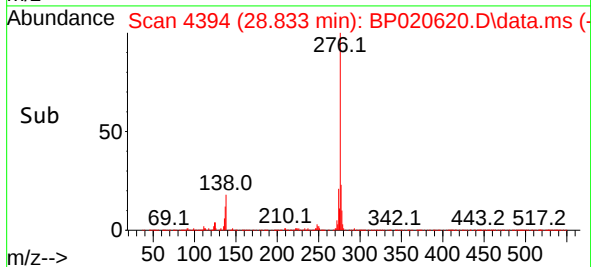
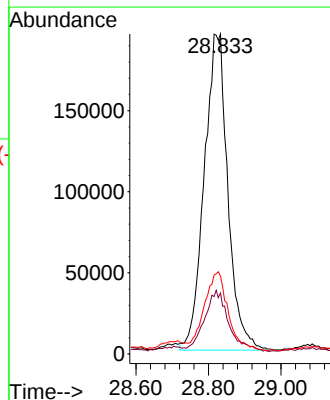
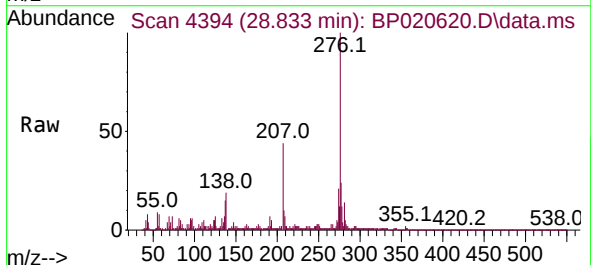
Tgt Ion:276 Resp: 883311

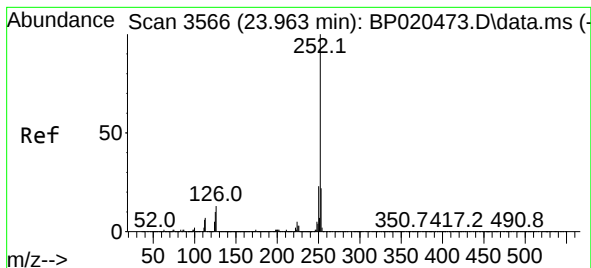
Ion Ratio Lower Upper

276 100

138 19.6 12.8 19.2#

277 25.0 15.6 23.4#





#88

Benzo(b)fluoranthene

Concen: 18.613 ng

RT: 23.939 min Scan# 3562

Delta R.T. -0.023 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

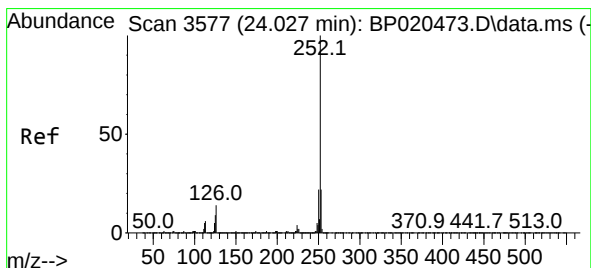
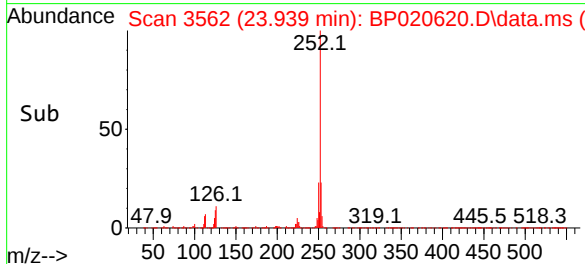
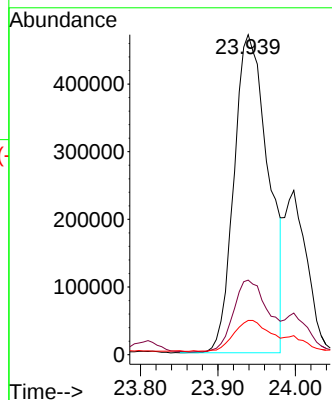
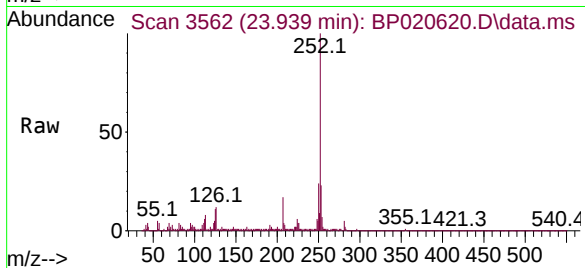
Tgt Ion:252 Resp: 1448492

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 10.7 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 19.084 ng

RT: 23.939 min Scan# 3562

Delta R.T. -0.088 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

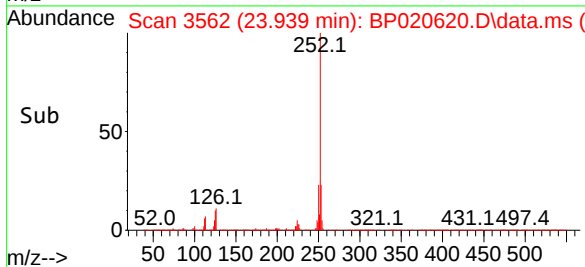
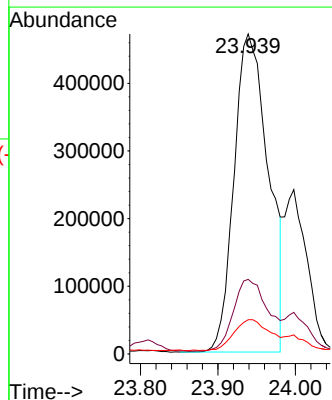
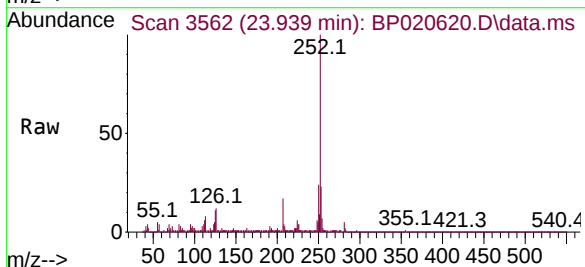
Tgt Ion:252 Resp: 1448492

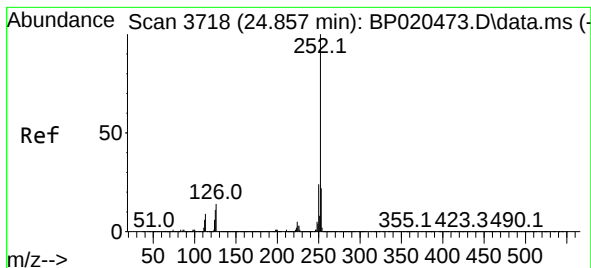
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 10.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 17.668 ng

RT: 24.839 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

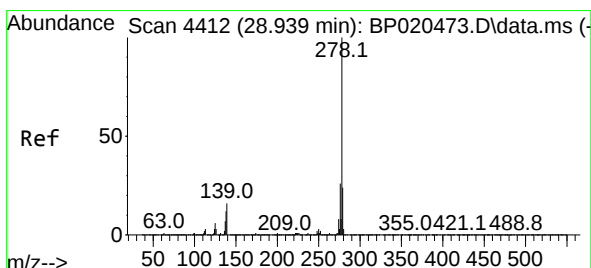
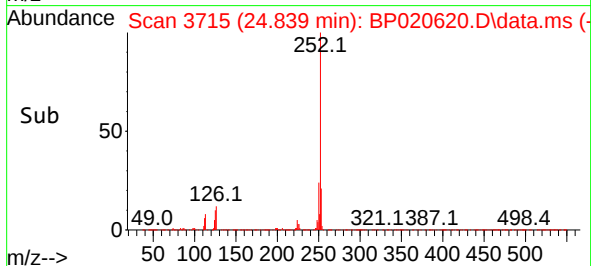
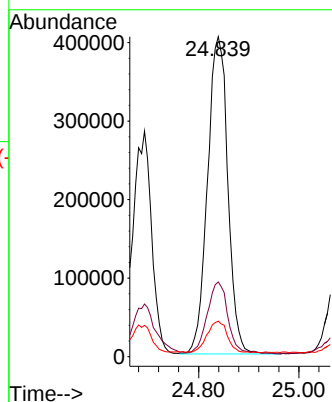
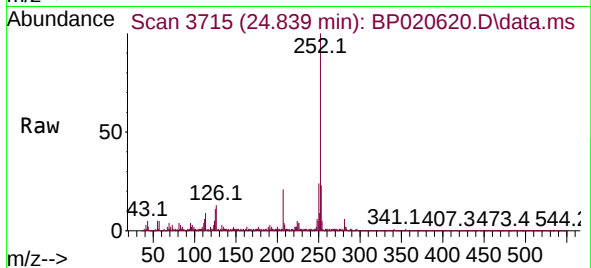
Tgt Ion:252 Resp: 1138722

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 11.1 8.9 13.3



#91

Dibenzo(a,h)anthracene

Concen: 3.456 ng

RT: 28.880 min Scan# 4402

Delta R.T. -0.059 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

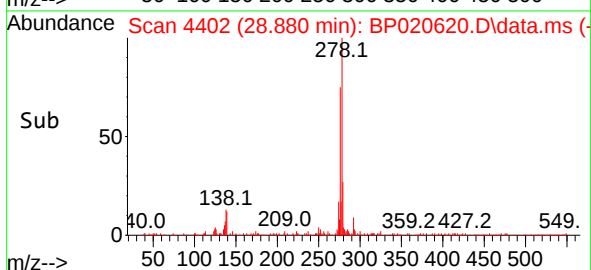
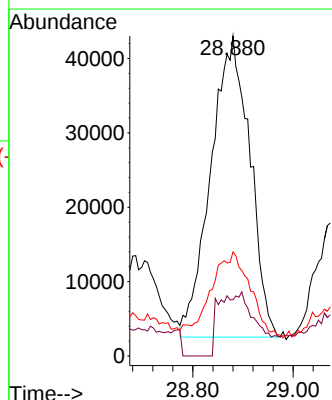
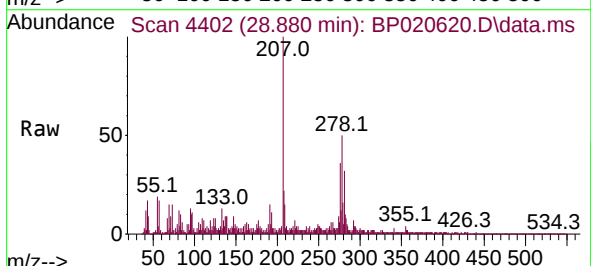
Tgt Ion:278 Resp: 218983

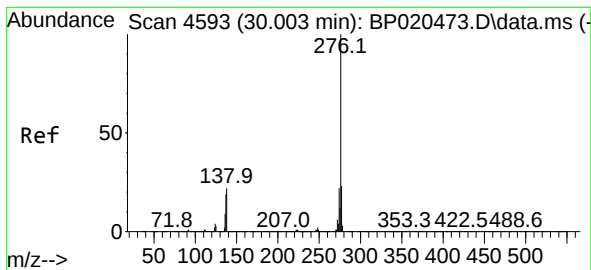
Ion Ratio Lower Upper

278 100

139 17.5 13.0 19.4

279 32.5 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 14.902 ng

RT: 30.009 min Scan# 4

Delta R.T. 0.006 min

Lab File: BP020620.D

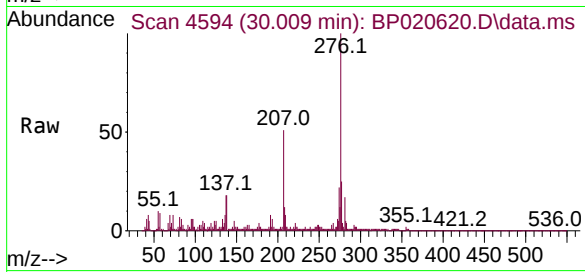
Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024



Tgt Ion:276 Resp: 943745

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 18.4 17.7 26.5

