

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060723\
 Data File : BP015404.D
 Acq On : 07 Jun 2023 18:08
 Operator : MA/JU
 Sample : 02950-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW978

Quant Time: Jun 08 00:12:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 07 23:46:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	237371	20.000	ng/ul	0.00
20) Naphthalene-d8	10.928	136	1015331	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.745	164	640434	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.504	188	1337240	20.000	ng/ul	0.00
79) Chrysene-d12	21.586	240	1185021	20.000	ng/ul	0.00
88) Perylene-d12	24.145	264	1189601	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	11615	1.812	ng/uL	0.00
4) Pyridine-d5	3.840	84	247	0.015	ng/ul	-0.01
7) Phenol-d5	7.252	99	215377	9.849	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	152032	11.641	ng/ul	0.00
11) 2-Chlorophenol-d4	7.622	132	180103	11.359	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	188409	10.498	ng/ul	0.00
21) Nitrobenzene-d5	9.275	128	95970	12.039	ng/ul	0.00
24) 2-Nitrophenol-d4	10.005	143	109049	11.979	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	186362	11.223	ng/ul	0.00
31) 4-Chloroaniline-d4	11.069	131	133381	5.596	ng/ul	0.00
46) Dimethylphthalate-d6	14.145	166	667144	13.210	ng/ul	0.00
49) Acenaphthylene-d8	14.440	160	734429	13.300	ng/ul	0.00
54) 4-Nitrophenol-d4	14.951	143	59992	6.633	ng/ul	0.00
60) Fluorene-d10	15.740	176	554356	13.017	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	51305	6.056	ng/ul	0.01
73) Anthracene-d10	17.604	188	853097	14.021	ng/ul	0.00
81) Pyrene-d10	19.828	212	1009666	15.919	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.974	264	838254	14.044	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.240	77	8891	1.064	ng/ul#	76
8) Phenol	7.281	94	29060	1.288	ng/ul	99
16) Acetophenone	8.934	105	213788	7.464	ng/ul	98
30) Naphthalene	10.981	128	60575	1.101	ng/ul#	90
36) 2-Methylnaphthalene	12.581	142	40200	1.039	ng/ul	98
37) 1-Methylnaphthalene	12.799	142	1578876	40.543	ng/ul	97
43) 1,1'-Biphenyl	13.581	154	187704	3.790	ng/ul	98
50) Acenaphthylene	14.469	152	484016	7.915	ng/ul#	79
52) Acenaphthene	14.810	153	2618455	61.943	ng/ul	99
57) 2,4-Dinitrotoluene	15.092	165	24457	1.557	ng/ul#	42
61) Fluorene	15.798	166	1871557	38.320	ng/ul	99
63) 4-Nitroaniline	15.798	138	23430	2.801	ng/ul#	23
67) N-Nitrosodiphenylamine	15.869	169	163073	4.298	ng/ul	89
72) Phenanthrene	17.557	178	8193572	114.178	ng/ul	98
74) Anthracene	17.639	178	3139085	43.112	ng/ul	99
80) Fluoranthene	19.504	202	4595043	59.477	ng/ul	97
82) Pyrene	19.863	202	6819625	85.322	ng/ul#	95
85) Benzo(a)anthracene	21.627	228	2830685	34.170	ng/ul	92
87) Chrysene	21.627	228	2801899	35.782	ng/ul	95
90) Benzo(b)fluoranthene	23.357	252	1253859	16.329	ng/ul	96
91) Benzo(k)fluoranthene	23.357	252	1253859	16.892	ng/ul	97
93) Benzo(a)pyrene	24.027	252	1352596	20.203	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.839	276	400256	4.620	ng/ul	97
95) Dibenzo(a,h)anthracene	26.839	278	168880	2.392	ng/ul#	80

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QLast Update : Wed Jun 07 23:46:15 2023
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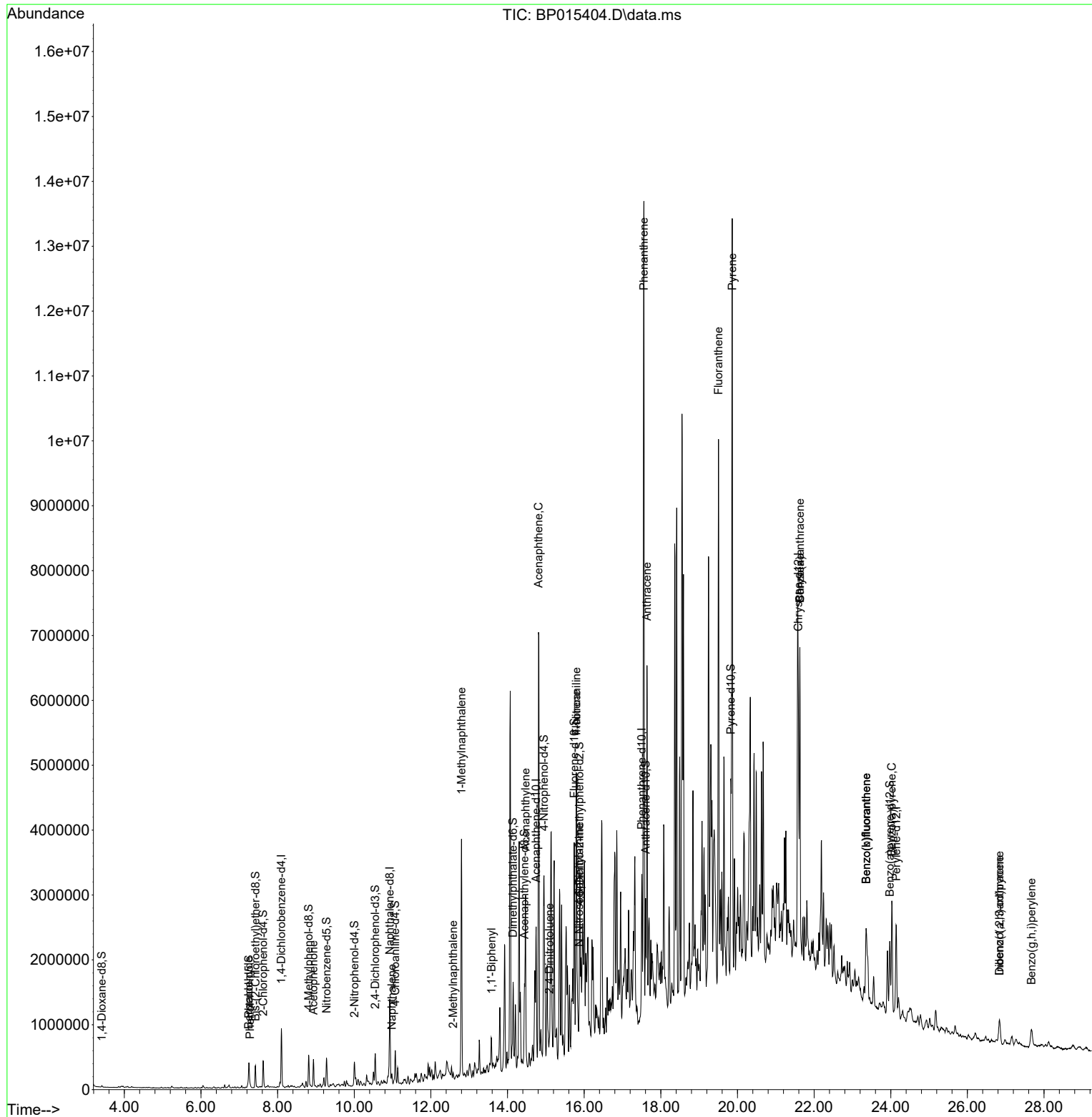
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.674	276	375995	5.266	ng/ul	99

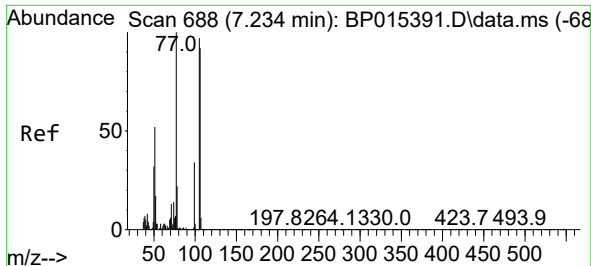
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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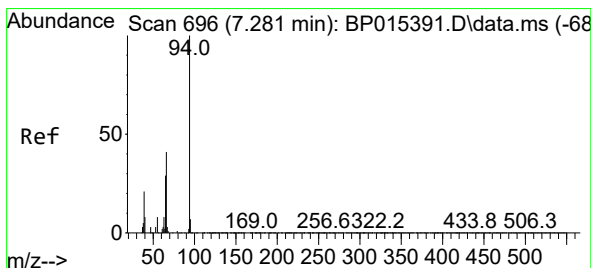
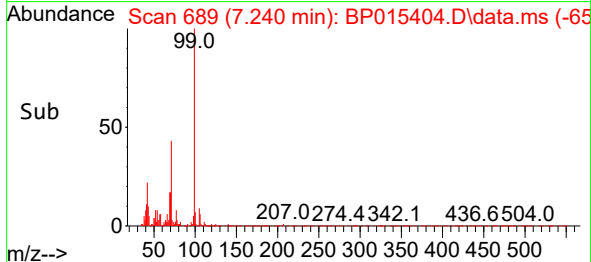
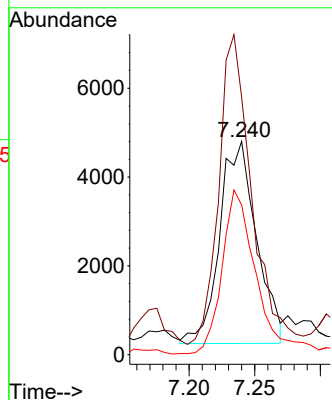
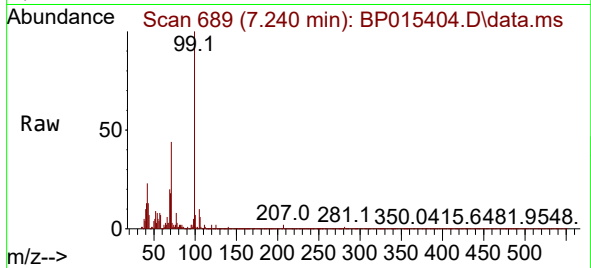




#6
Benzaldehyde
Concen: 1.064 ng/ul
RT: 7.240 min Scan# 688
Delta R.T. 0.006 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

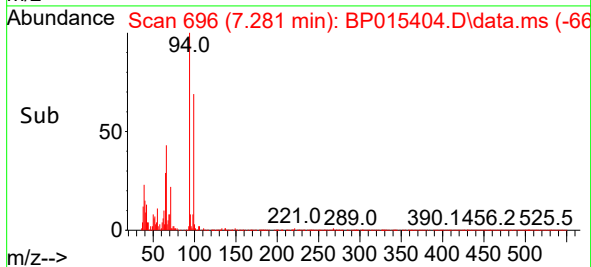
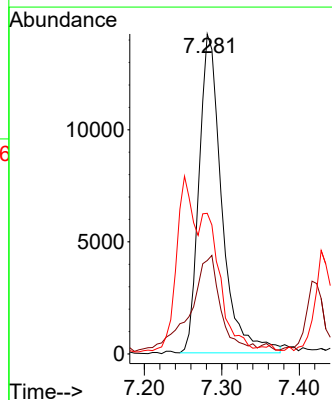
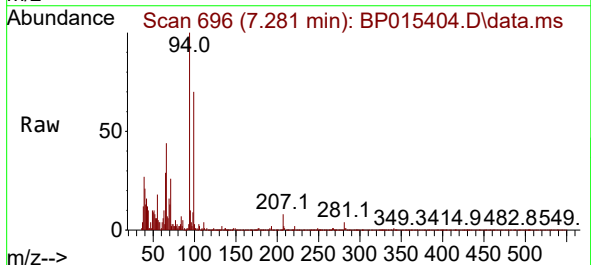
Instrument :
BNA_P
ClientSampleId :
EW978

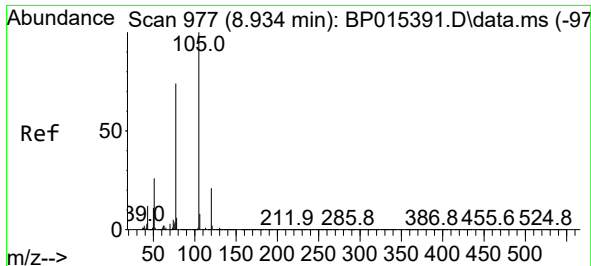
Tgt Ion: 77 Resp: 8891
Ion Ratio Lower Upper
77 100
105 120.7 77.3 115.9#
106 70.2 73.3 109.9#



#8
Phenol
Concen: 1.288 ng/ul
RT: 7.281 min Scan# 696
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

Tgt Ion: 94 Resp: 29060
Ion Ratio Lower Upper
94 100
65 29.2 23.5 35.3
66 44.0 34.2 51.4

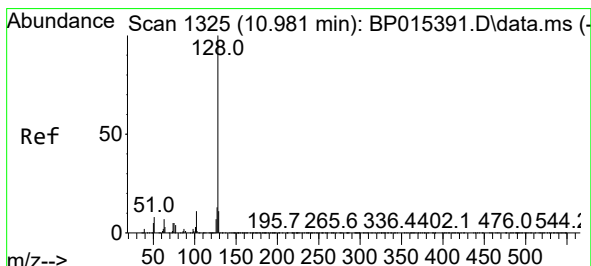
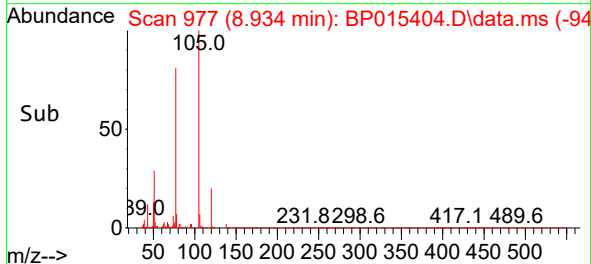
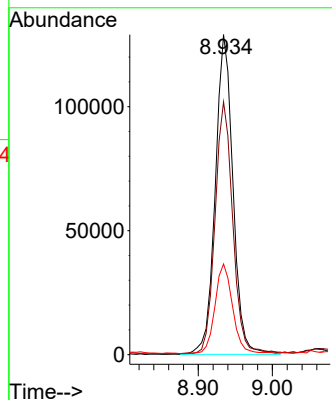
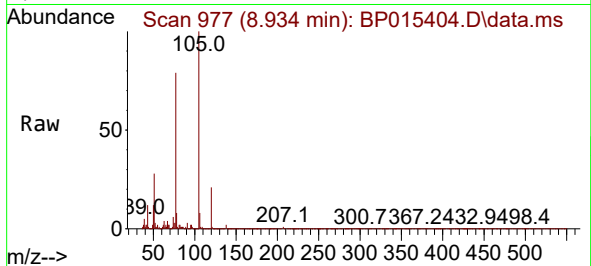




#16
Acetophenone
Concen: 7.464 ng/ul
RT: 8.934 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

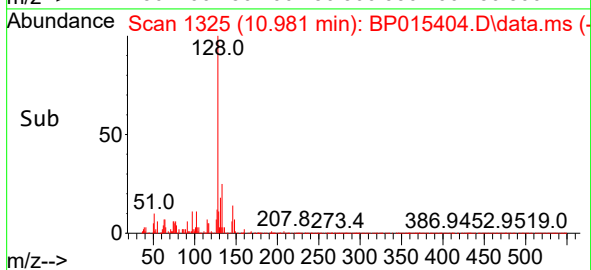
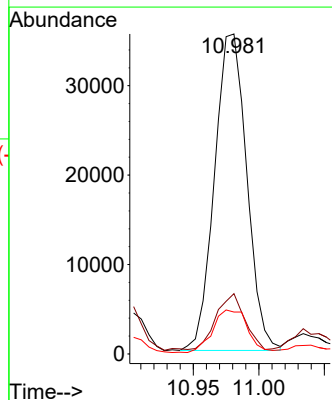
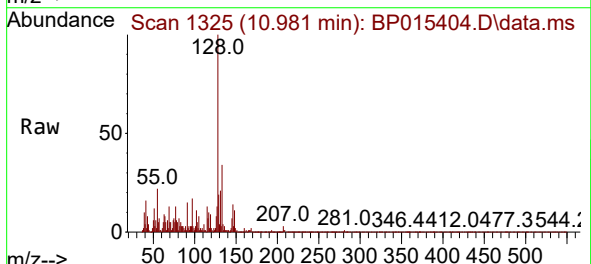
Instrument :
BNA_P
ClientSampleId :
EW978

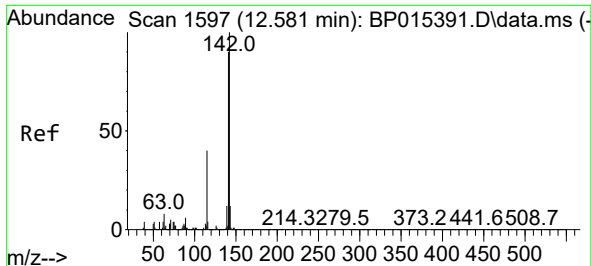
Tgt Ion:105 Resp: 213788
Ion Ratio Lower Upper
105 100
77 79.0 64.9 97.3
51 28.4 23.5 35.3



#30
Naphthalene
Concen: 1.101 ng/ul
RT: 10.981 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

Tgt Ion:128 Resp: 60575
Ion Ratio Lower Upper
128 100
129 18.8 8.6 13.0#
127 13.1 10.5 15.7

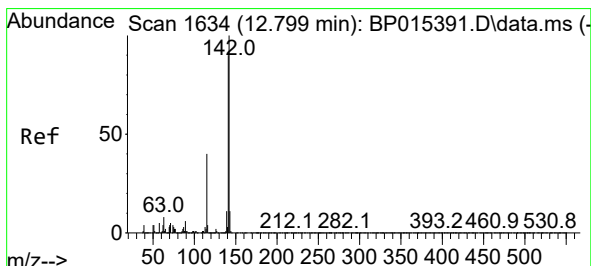
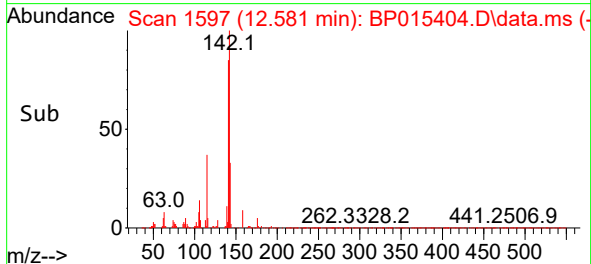
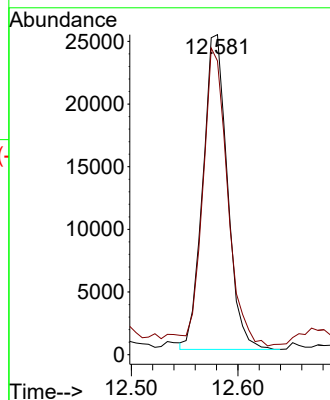
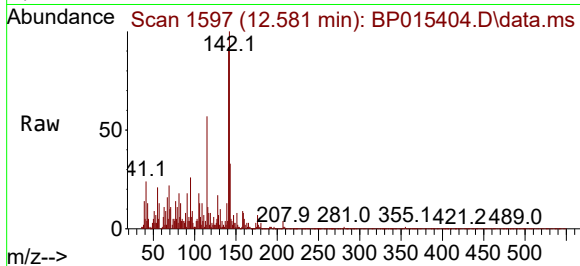




#36
2-Methylnaphthalene
Concen: 1.039 ng/ul
RT: 12.581 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

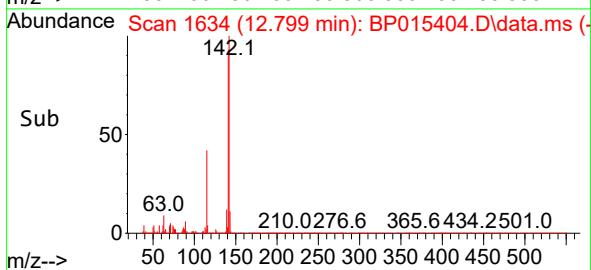
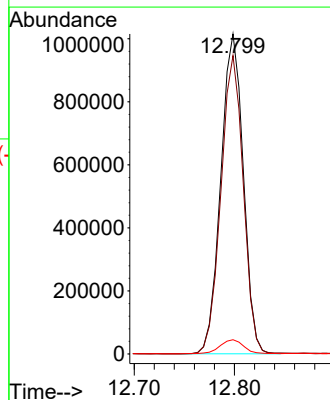
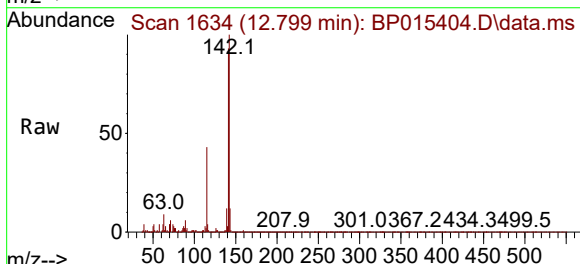
Instrument :
BNA_P
ClientSampleId :
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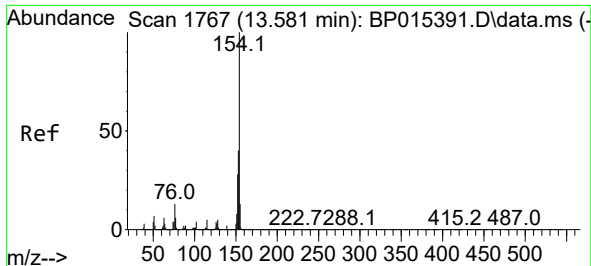
Tgt Ion:142 Resp: 40200
Ion Ratio Lower Upper
142 100
141 91.8 72.0 108.0



#37
1-Methylnaphthalene
Concen: 40.543 ng/ul
RT: 12.799 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

Tgt Ion:142 Resp: 1578876
Ion Ratio Lower Upper
142 100
141 93.2 71.9 107.9
116 4.4 3.4 5.2

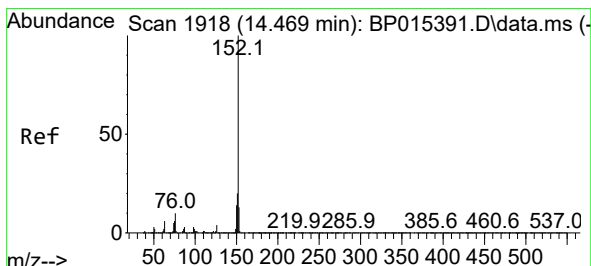
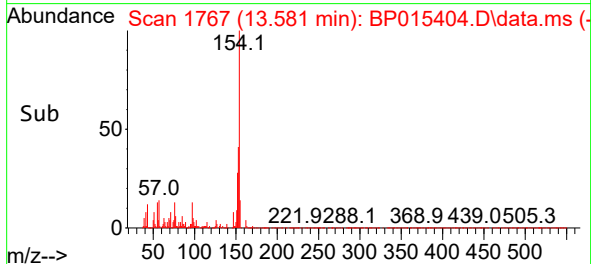
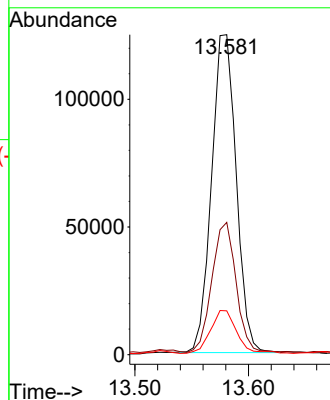
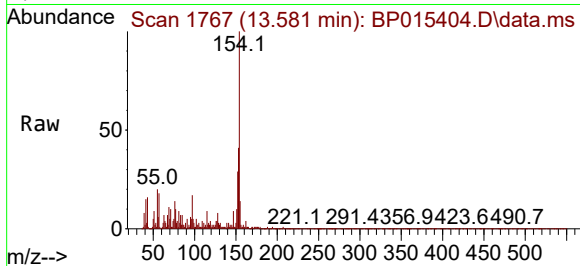




#43
1,1'-Biphenyl
Concen: 3.790 ng/ul
RT: 13.581 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

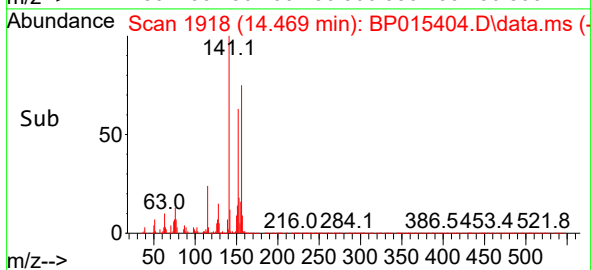
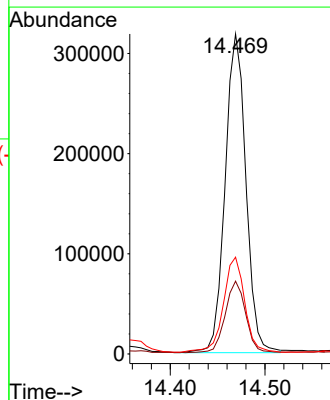
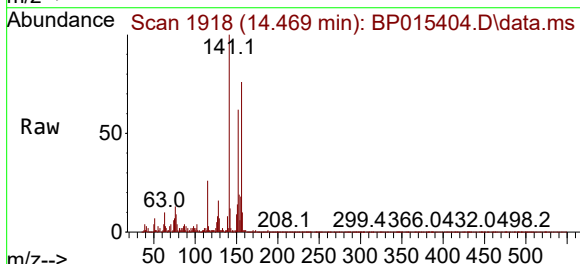
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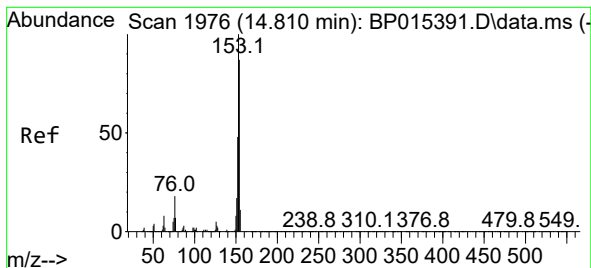
Tgt Ion:154 Resp: 187704
Ion Ratio Lower Upper
154 100
153 41.3 32.2 48.2
76 13.7 10.4 15.6



#50
Acenaphthylene
Concen: 7.915 ng/ul
RT: 14.469 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

Tgt Ion:152 Resp: 484016
Ion Ratio Lower Upper
152 100
151 22.7 16.0 24.0
153 30.2 10.6 15.8#





#52

Acenaphthene

Concen: 61.943 ng/ul

RT: 14.810 min Scan# 1976

Delta R.T. -0.000 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

Instrument :

BNA_P

ClientSampleId :

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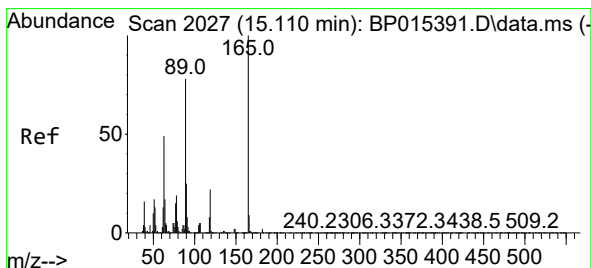
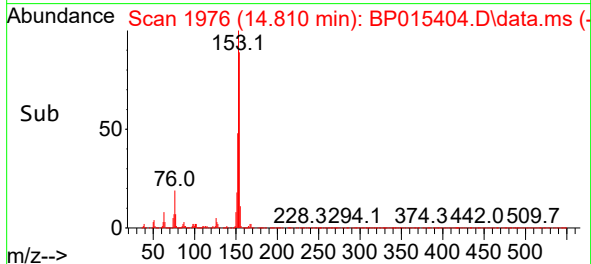
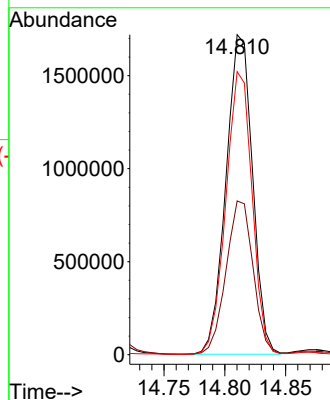
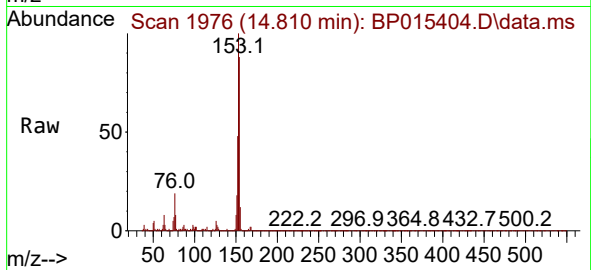
Tgt Ion:153 Resp: 2618455

Ion Ratio Lower Upper

153 100

152 48.1 38.3 57.5

154 88.5 69.8 104.6



#57

2,4-Dinitrotoluene

Concen: 1.557 ng/ul

RT: 15.092 min Scan# 2024

Delta R.T. -0.018 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

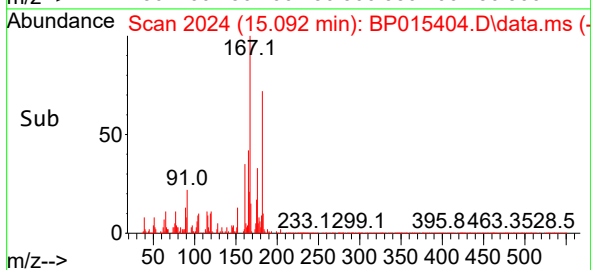
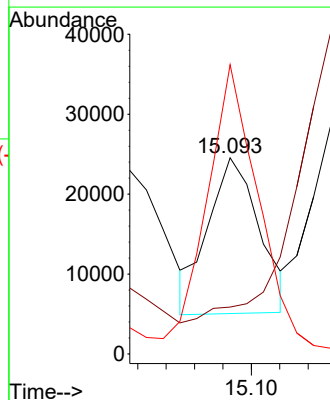
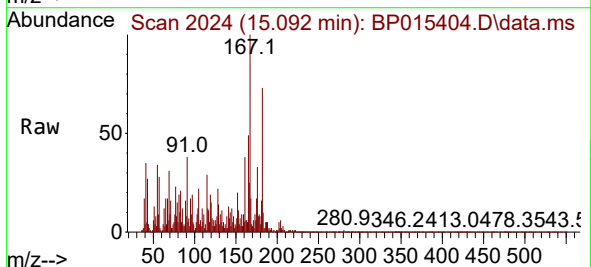
Tgt Ion:165 Resp: 24457

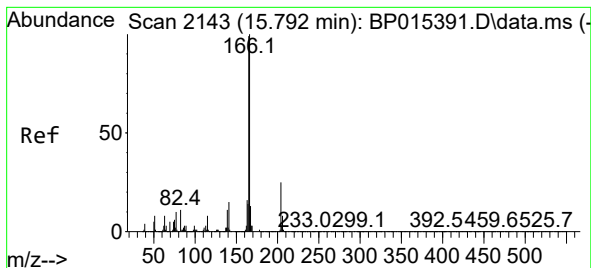
Ion Ratio Lower Upper

165 100

63 23.9 39.1 58.7#

182 147.4 2.2 3.4#





#61

Fluorene

Concen: 38.320 ng/ul

RT: 15.798 min Scan# 2143

Delta R.T. 0.006 min

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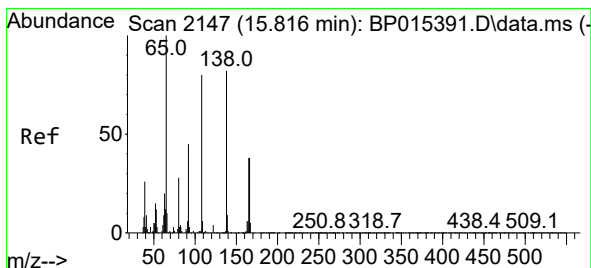
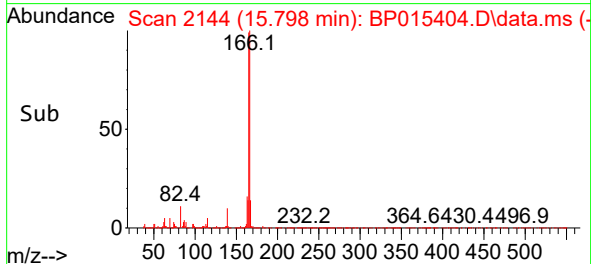
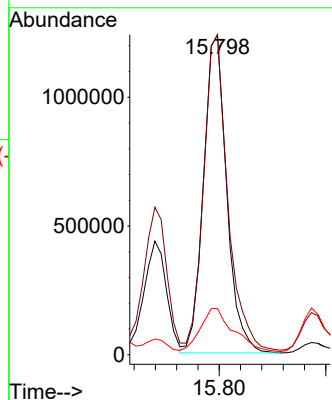
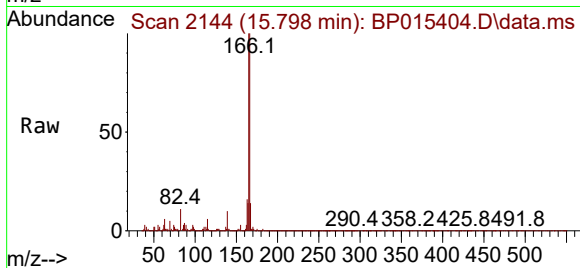
Tgt Ion:166 Resp: 1871557

Ion Ratio Lower Upper

166 100

165 100.0 79.1 118.7

167 14.4 10.6 16.0



#63

4-Nitroaniline

Concen: 2.801 ng/ul

RT: 15.798 min Scan# 2144

Delta R.T. -0.018 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

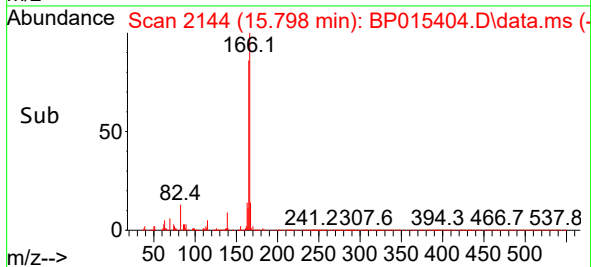
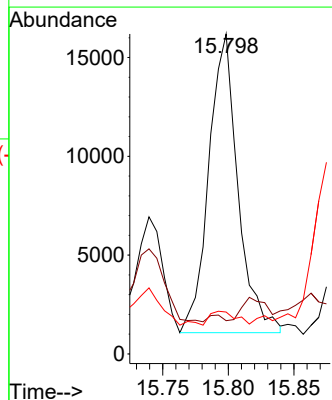
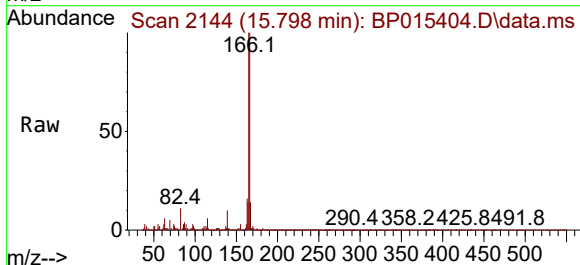
Tgt Ion:138 Resp: 23430

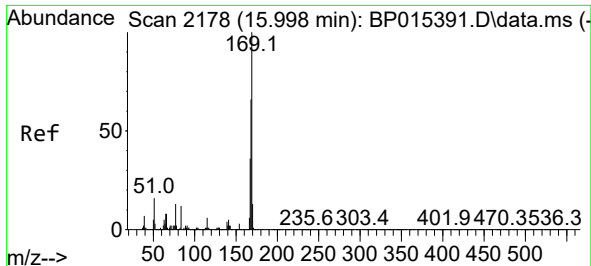
Ion Ratio Lower Upper

138 100

92 10.4 44.6 67.0#

108 13.1 78.4 117.6#

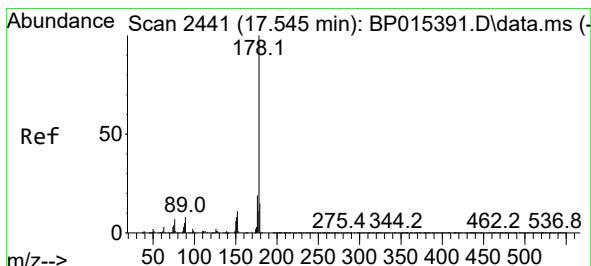
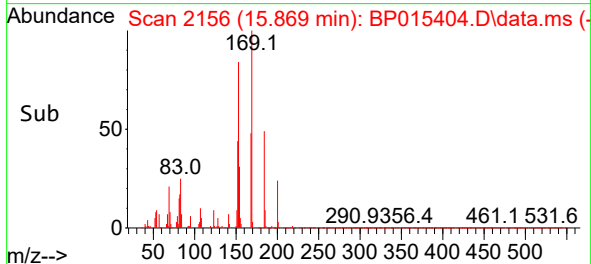
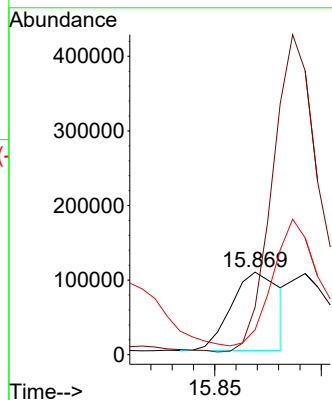
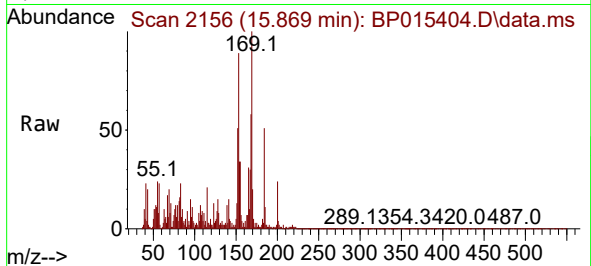




#67
N-Nitrosodiphenylamine
Concen: 4.298 ng/ul
RT: 15.869 min Scan# 2178
Delta R.T. -0.129 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

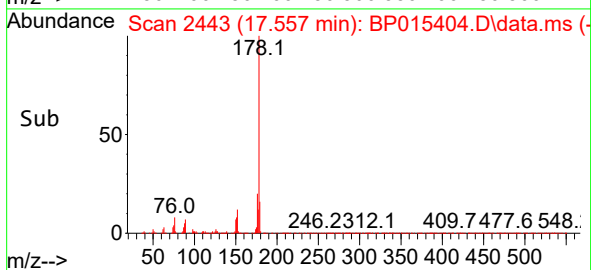
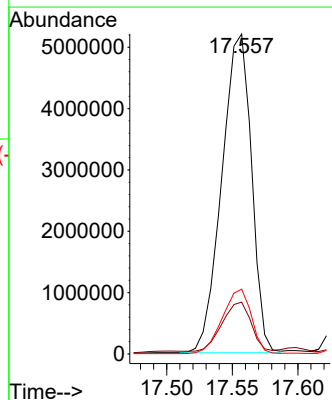
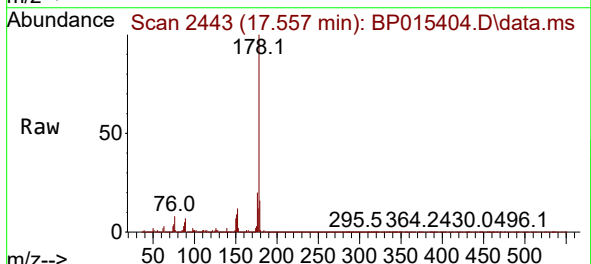
Instrument :
BNA_P
ClientSampleId :
EW978

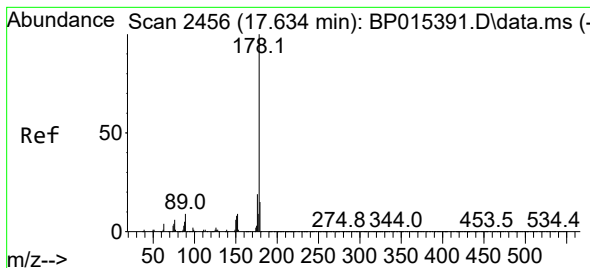
Tgt Ion:169 Resp: 163073
Ion Ratio Lower Upper
169 100
168 57.5 53.0 79.4
167 30.3 28.9 43.3



#72
Phenanthrene
Concen: 114.178 ng/ul
RT: 17.557 min Scan# 2443
Delta R.T. 0.012 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

Tgt Ion:178 Resp: 8193572
Ion Ratio Lower Upper
178 100
179 16.2 12.3 18.5
176 20.2 15.4 23.0





#74

Anthracene

Concen: 43.112 ng/ul

RT: 17.639 min Scan# 2456

Delta R.T. 0.006 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

Instrument :

BNA_P

ClientSampleId :

EW978

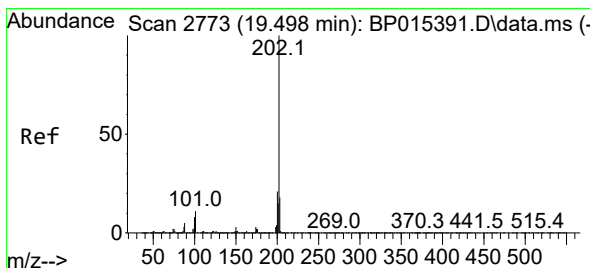
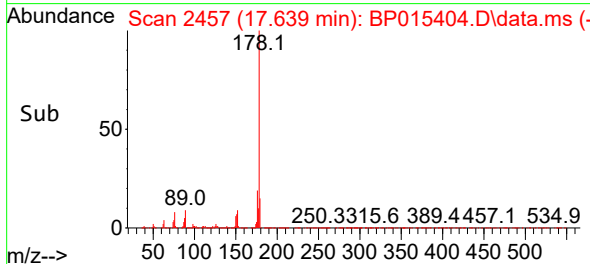
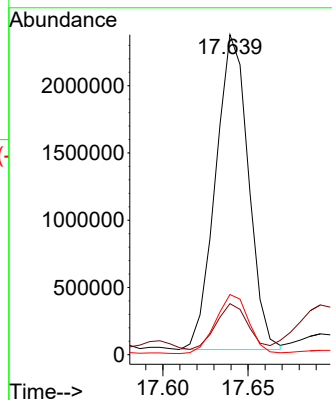
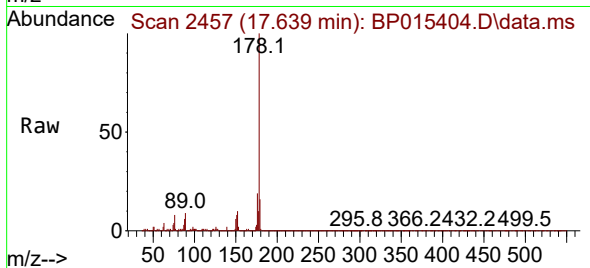
Tgt Ion:178 Resp: 3139085

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

176 18.8 15.0 22.4



#80

Fluoranthene

Concen: 59.477 ng/ul

RT: 19.504 min Scan# 2774

Delta R.T. 0.006 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

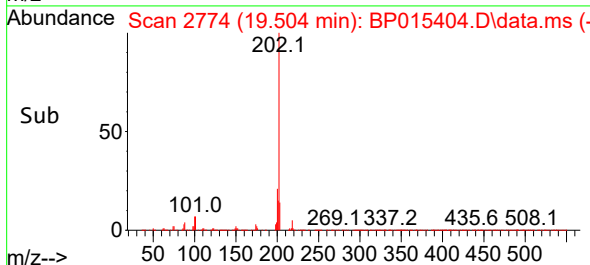
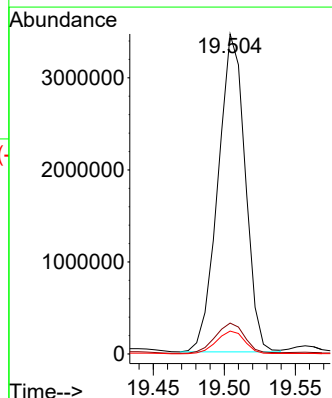
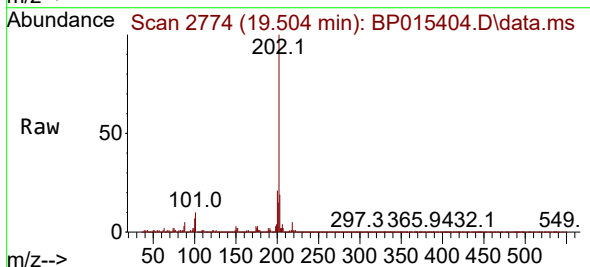
Tgt Ion:202 Resp: 4595043

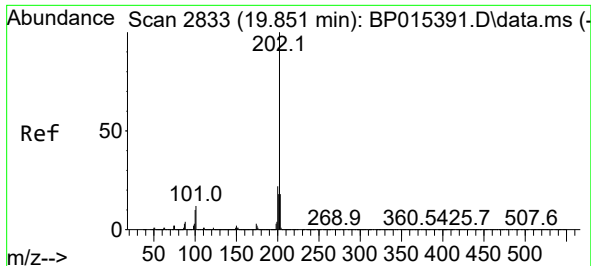
Ion Ratio Lower Upper

202 100

101 9.7 8.6 13.0

100 7.1 6.6 9.8

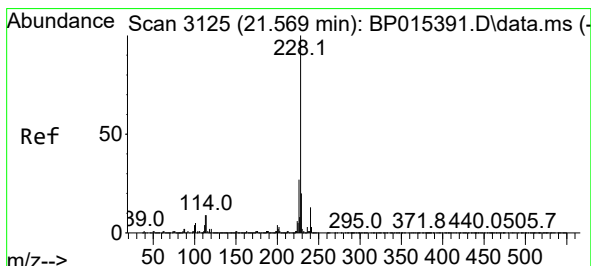
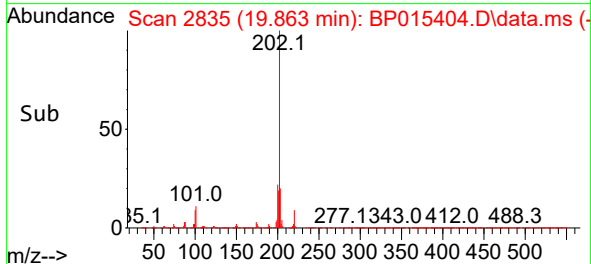
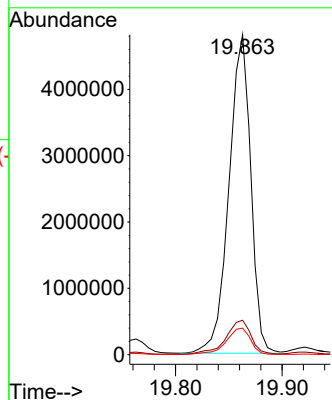
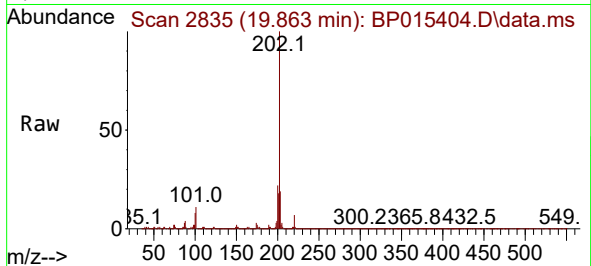




#82
Pyrene
Concen: 85.322 ng/ul
RT: 19.863 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

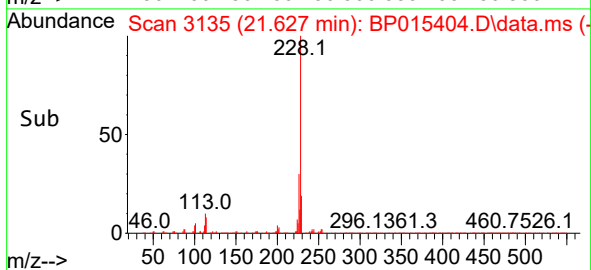
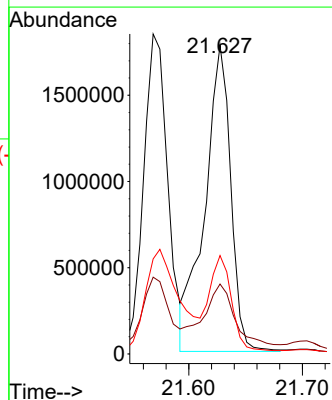
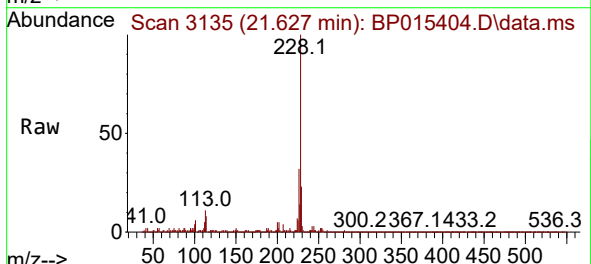
Instrument :
BNA_P
ClientSampleId :
EW978

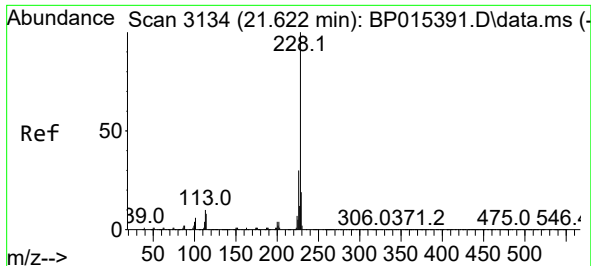
Tgt Ion:202 Resp: 6819625
Ion Ratio Lower Upper
202 100
101 10.7 9.9 14.9
100 8.3 8.4 12.6#



#85
Benzo(a)anthracene
Concen: 34.170 ng/ul
RT: 21.627 min Scan# 3135
Delta R.T. 0.059 min
Lab File: BP015404.D
Acq: 07 Jun 2023 18:08

Tgt Ion:228 Resp: 2830685
Ion Ratio Lower Upper
228 100
229 22.6 15.8 23.6
226 31.9 21.8 32.6





#87

Chrysene

Concen: 35.782 ng/ul

RT: 21.627 min Scan# 3134

Delta R.T. 0.006 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

Instrument :

BNA_P

ClientSampleId :

EW978

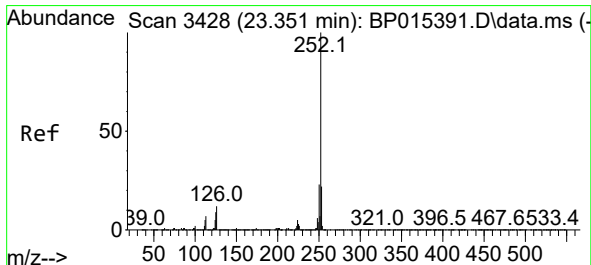
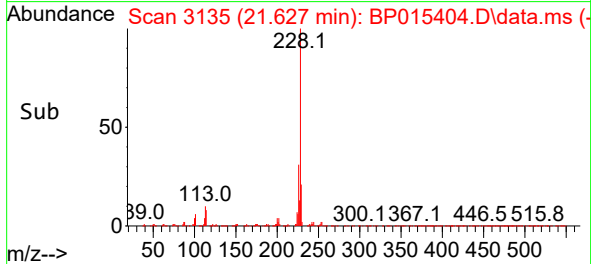
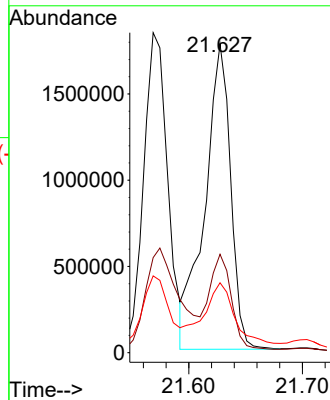
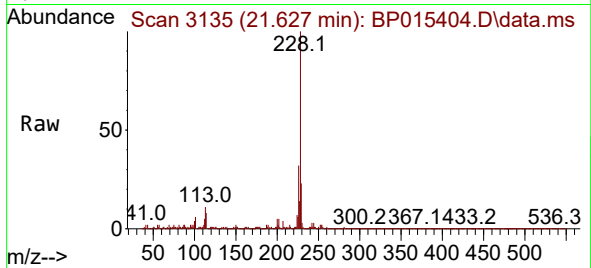
Tgt Ion:228 Resp: 2801899

Ion Ratio Lower Upper

228 100

226 31.9 23.9 35.9

229 22.6 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 16.329 ng/ul

RT: 23.357 min Scan# 3429

Delta R.T. 0.006 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

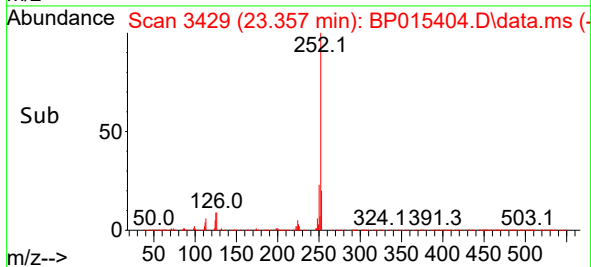
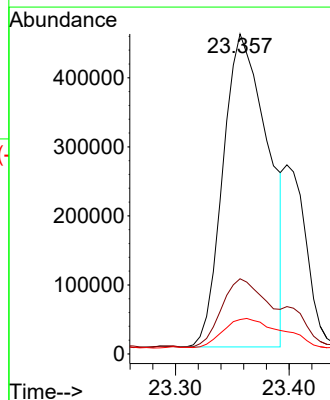
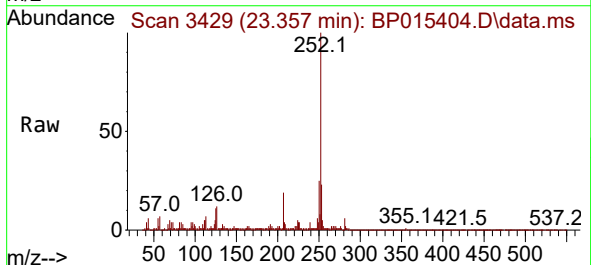
Tgt Ion:252 Resp: 1253859

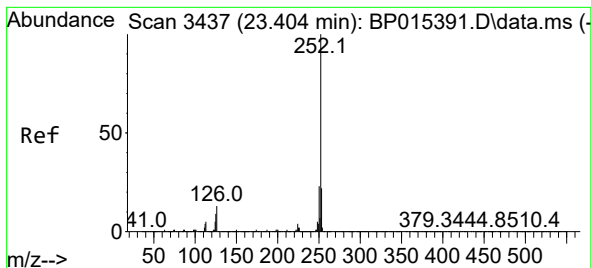
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 10.8 7.3 10.9





#91

Benzo(k)fluoranthene

Concen: 16.892 ng/ul

RT: 23.357 min Scan# 3437

Delta R.T. -0.047 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

Instrument :

BNA_P

ClientSampleId :

EW978

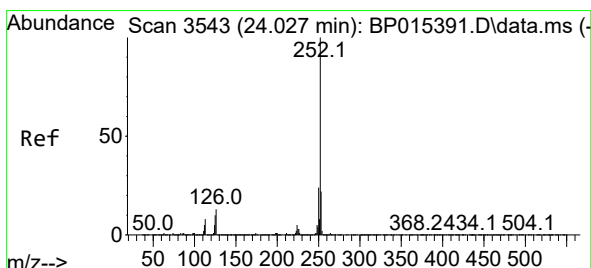
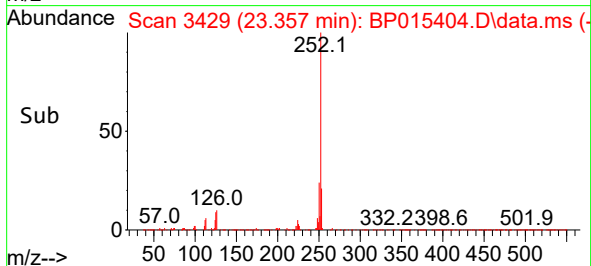
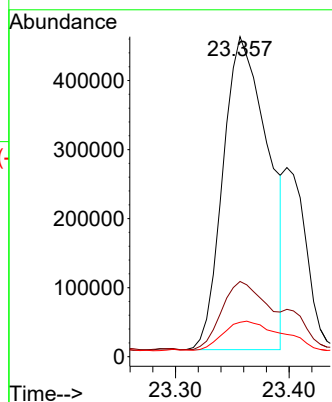
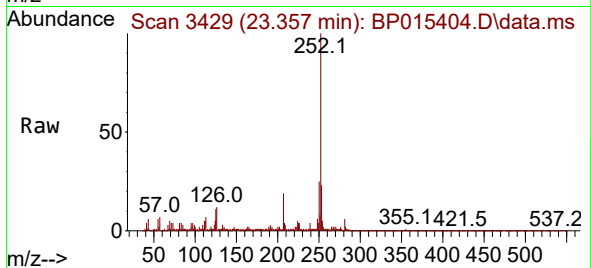
Tgt Ion:252 Resp: 1253859

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 10.8 7.3 10.9



#93

Benzo(a)pyrene

Concen: 20.203 ng/ul

RT: 24.027 min Scan# 3543

Delta R.T. -0.000 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

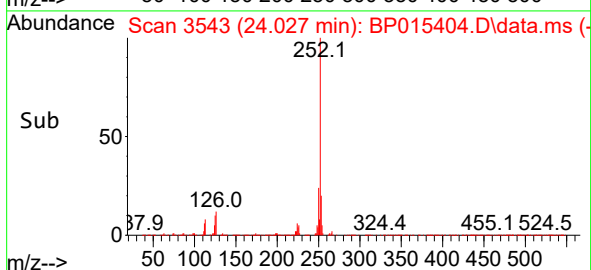
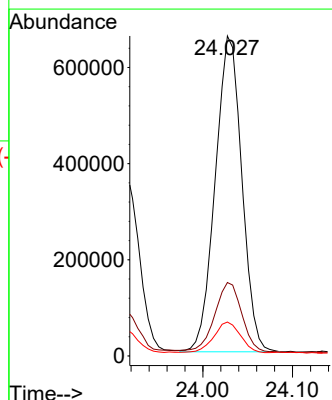
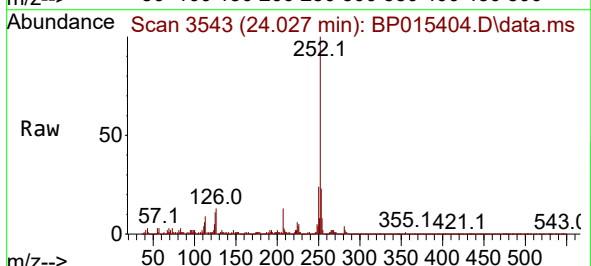
Tgt Ion:252 Resp: 1352596

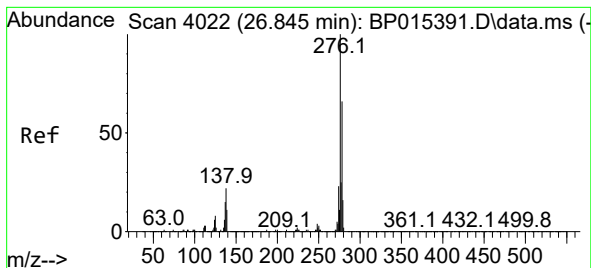
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 10.6 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.620 ng/ul

RT: 26.839 min Scan# 4021

Delta R.T. -0.006 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

Instrument :

BNA_P

ClientSampleId :

EW978

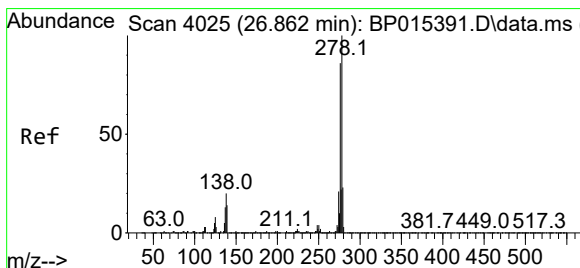
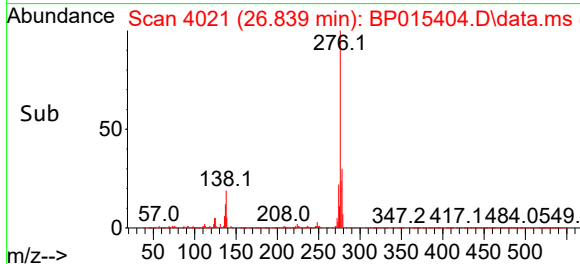
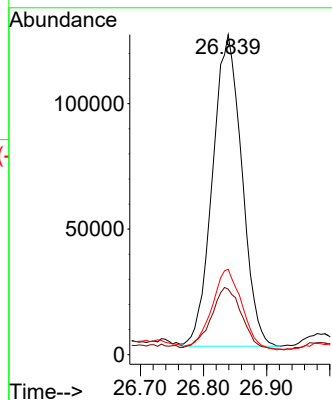
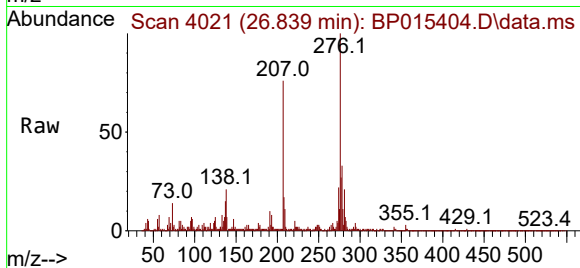
Tgt Ion:276 Resp: 400256

Ion Ratio Lower Upper

276 100

138 20.5 17.3 25.9

277 26.7 20.2 30.2



#95

Dibenzo(a,h)anthracene

Concen: 2.392 ng/ul

RT: 26.839 min Scan# 4021

Delta R.T. -0.024 min

Lab File: BP015404.D

Acq: 07 Jun 2023 18:08

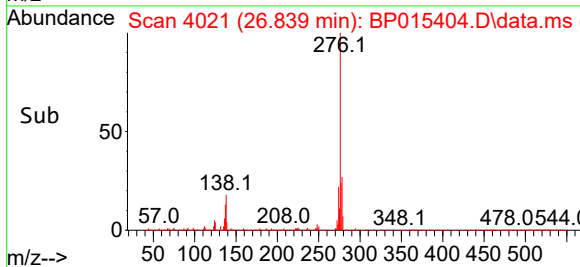
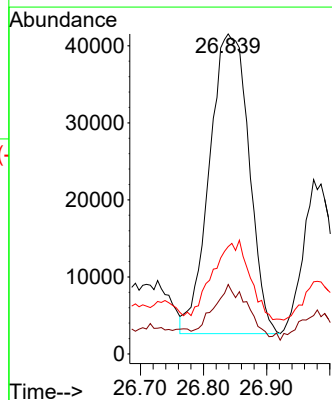
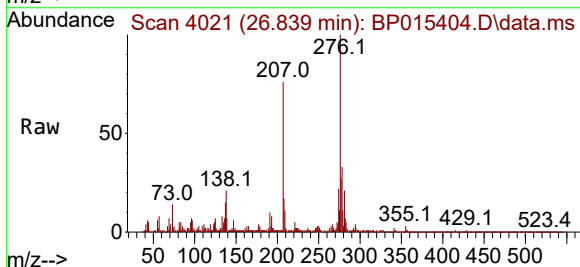
Tgt Ion:278 Resp: 168880

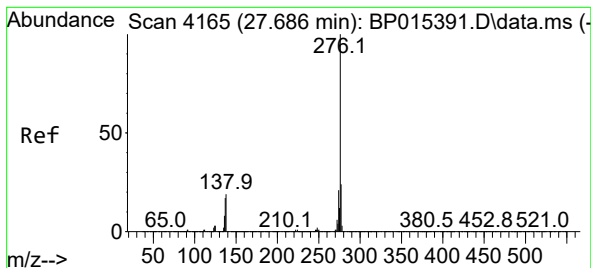
Ion Ratio Lower Upper

278 100

139 21.7 11.4 17.0#

279 33.6 18.7 28.1#





#96

Benzo(g,h,i)perylene

Concen: 5.266 ng/ul

RT: 27.674 min Scan# 41

Delta R.T. -0.012 min

Lab File: BP015404.D

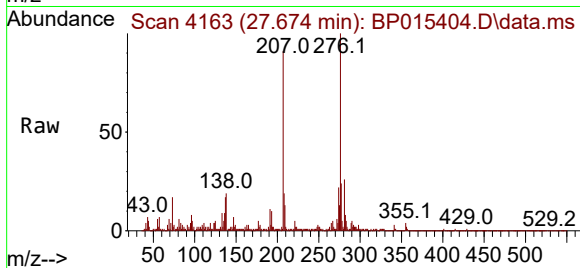
Acq: 07 Jun 2023 18:08

Instrument :

BNA_P

ClientSampleId :

EW978



Tgt Ion:276 Resp: 375995

Ion Ratio Lower Upper

276 100

138 18.7 15.6 23.4

277 24.2 19.0 28.6

