

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060723\
 Data File : BP015405.D
 Acq On : 07 Jun 2023 18:41
 Operator : MA/JU
 Sample : 02950-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW984

Quant Time: Jun 08 00:12:24 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	104791	20.000	ng/ul	0.00
20) Naphthalene-d8	10.928	136	472344	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.746	164	321761	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	711446	20.000	ng/ul	0.00
79) Chrysene-d12	21.580	240	637631	20.000	ng/ul	0.00
88) Perylene-d12	24.133	264	654765	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	15886	5.614	ng/uL	0.00
4) Pyridine-d5	3.852	84	662	0.090	ng/ul	0.00
7) Phenol-d5	7.252	99	300497	31.127	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	204254	35.427	ng/ul	0.00
11) 2-Chlorophenol-d4	7.622	132	249805	35.689	ng/ul	0.00
15) 4-Methylphenol-d8	8.811	113	236779	29.884	ng/ul	0.00
21) Nitrobenzene-d5	9.275	128	134584	36.292	ng/ul	0.00
24) 2-Nitrophenol-d4	10.005	143	152378	35.981	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	259053	33.533	ng/ul	0.00
31) 4-Chloroaniline-d4	11.069	131	243368	21.947	ng/ul	0.00
46) Dimethylphthalate-d6	14.146	166	987927	38.936	ng/ul	0.00
49) Acenaphthylene-d8	14.440	160	1084291	39.082	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	108850	23.956	ng/ul	0.00
60) Fluorene-d10	15.734	176	844384	39.464	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	118074	26.198	ng/ul	0.00
73) Anthracene-d10	17.598	188	1365459	42.183	ng/ul	0.00
81) Pyrene-d10	19.822	212	1657995	48.583	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.969	264	1501227	45.695	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.240	77	6411	1.737	ng/ul#	84
8) Phenol	7.281	94	22732	2.282	ng/ul	96
16) Acetophenone	8.934	105	161331	12.759	ng/ul	98
30) Naphthalene	10.975	128	54728	2.138	ng/ul	98
36) 2-Methylnaphthalene	12.575	142	193770	10.769	ng/ul	97
37) 1-Methylnaphthalene	12.793	142	286086	15.791	ng/ul	99
50) Acenaphthylene	14.469	152	98341	3.201	ng/ul#	87
52) Acenaphthene	14.804	153	421401	19.842	ng/ul	99
56) Dibenzofuran	15.145	168	66480	2.209	ng/ul	96
61) Fluorene	15.793	166	348252	14.192	ng/ul	100
63) 4-Nitroaniline	15.793	138	4719	1.123	ng/ul#	24
67) N-Nitrosodiphenylamine	15.998	169	42390	2.100	ng/ul#	1
72) Phenanthrene	17.545	178	2657139	69.597	ng/ul	100
74) Anthracene	17.634	178	744081	19.208	ng/ul	99
80) Fluoranthene	19.498	202	1287701	30.977	ng/ul	99
82) Pyrene	19.851	202	1875668	43.613	ng/ul	99
85) Benzo(a)anthracene	21.622	228	853501	19.147	ng/ul	94
87) Chrysene	21.622	228	844876	20.052	ng/ul	97
90) Benzo(b)fluoranthene	23.351	252	442955	10.480	ng/ul#	95
91) Benzo(k)fluoranthene	23.351	252	442955	10.842	ng/ul#	96
93) Benzo(a)pyrene	24.021	252	453069	12.295	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.833	276	140244	2.941	ng/ul	98
95) Dibenzo(a,h)anthracene	26.845	278	57355	1.476	ng/ul#	84
96) Benzo(g,h,i)perylene	27.668	276	126009	3.206	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 07 23:46:15 2023
Response via : Initial Calibration

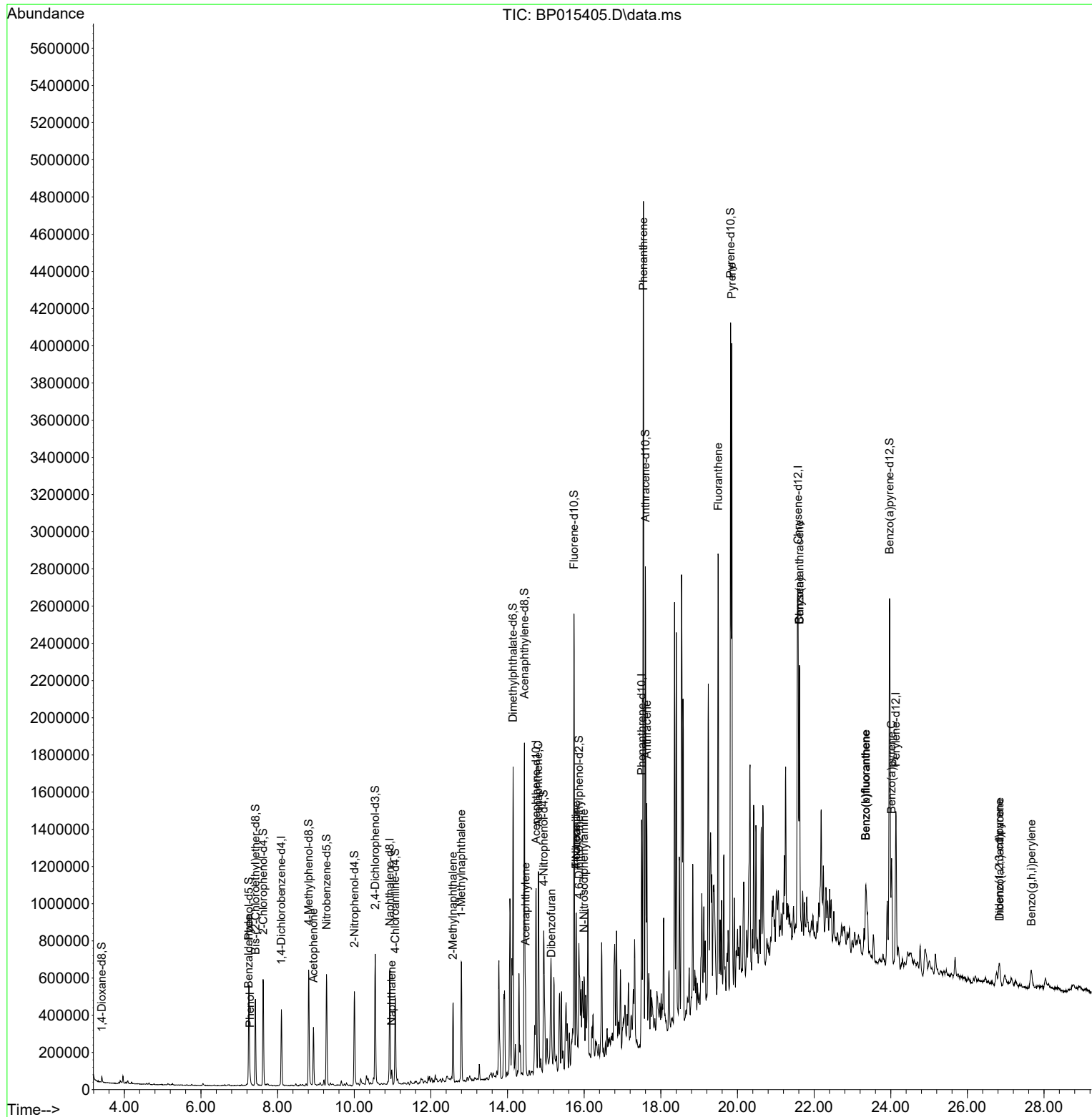
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

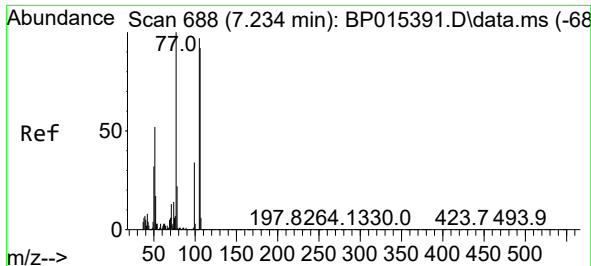
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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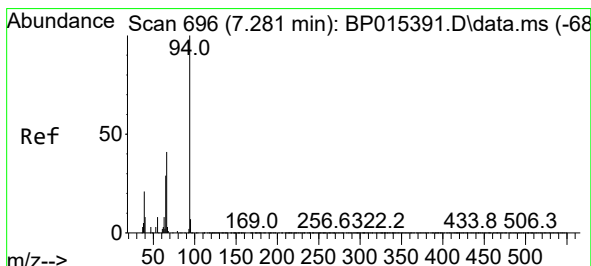
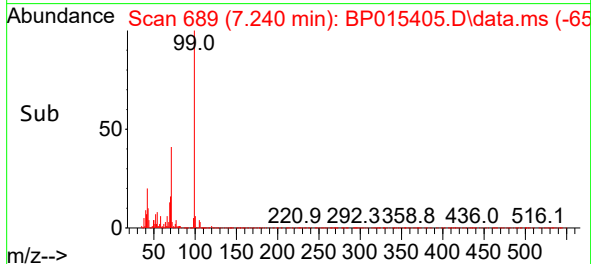
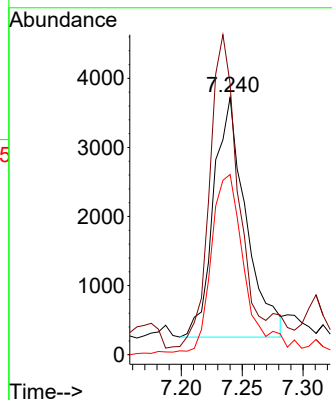
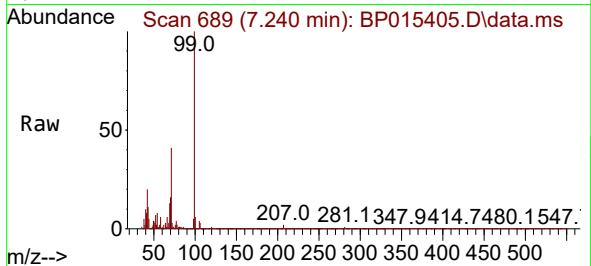




#6
Benzaldehyde
Concen: 1.737 ng/ul
RT: 7.240 min Scan# 688
Delta R.T. 0.006 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

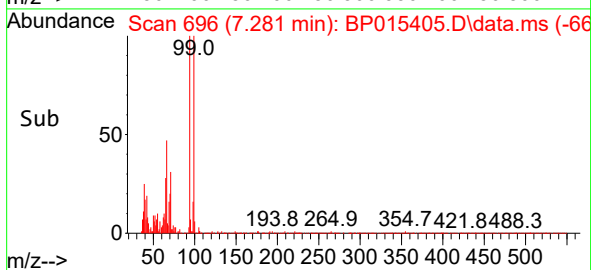
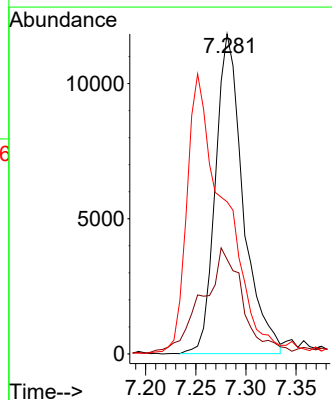
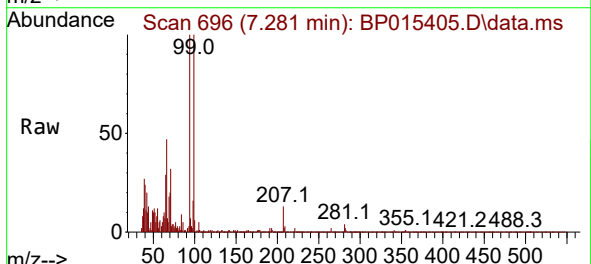
Instrument :
BNA_P
ClientSampleId :
EW984

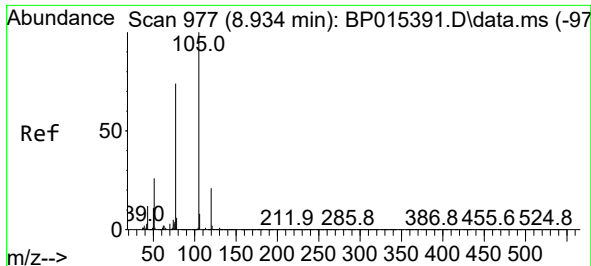
Tgt Ion: 77 Resp: 6411
Ion Ratio Lower Upper
77 100
105 105.2 77.3 115.9
106 70.0 73.3 109.9#



#8
Phenol
Concen: 2.282 ng/ul
RT: 7.281 min Scan# 696
Delta R.T. 0.000 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

Tgt Ion: 94 Resp: 22732
Ion Ratio Lower Upper
94 100
65 29.5 23.5 35.3
66 47.5 34.2 51.4

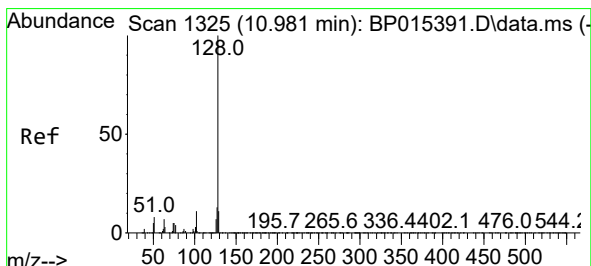
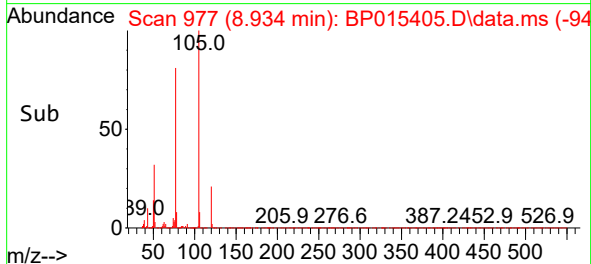
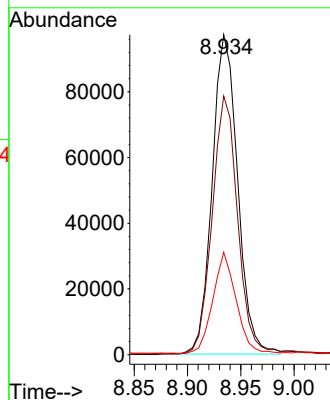
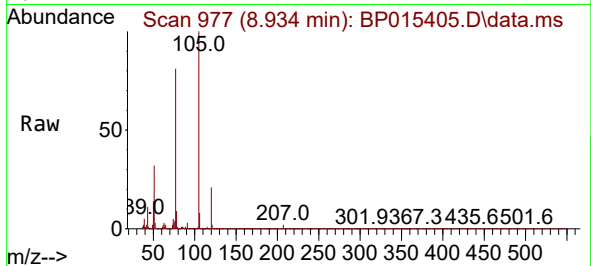




#16
Acetophenone
Concen: 12.759 ng/ul
RT: 8.934 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

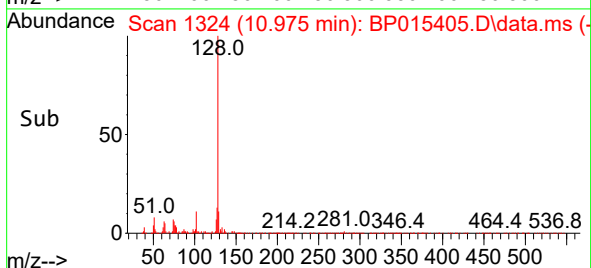
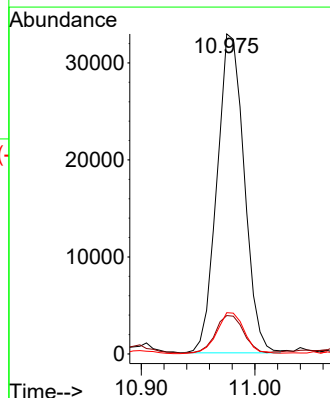
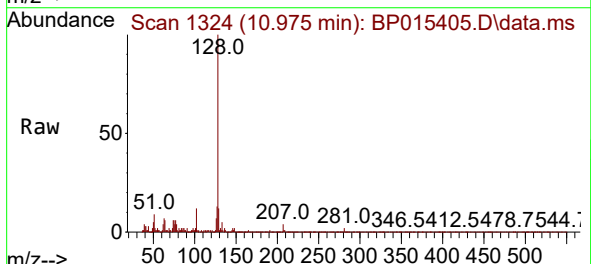
Instrument :
BNA_P
ClientSampleId :
EW984

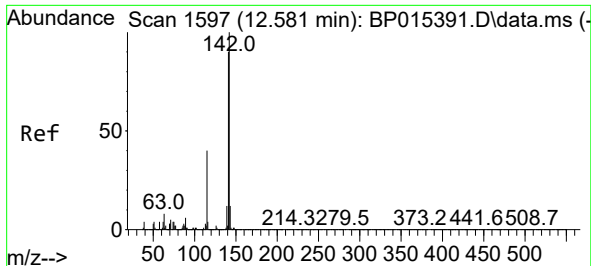
Tgt Ion:105 Resp: 161331
Ion Ratio Lower Upper
105 100
77 80.8 64.9 97.3
51 32.0 23.5 35.3



#30
Naphthalene
Concen: 2.138 ng/ul
RT: 10.975 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

Tgt Ion:128 Resp: 54728
Ion Ratio Lower Upper
128 100
129 12.0 8.6 13.0
127 12.9 10.5 15.7

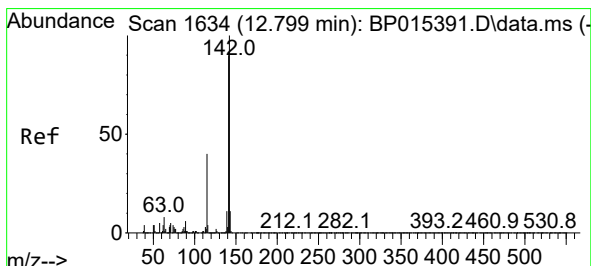
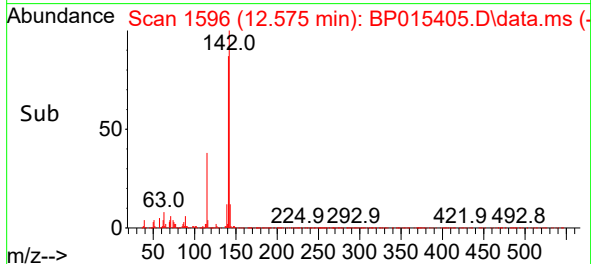
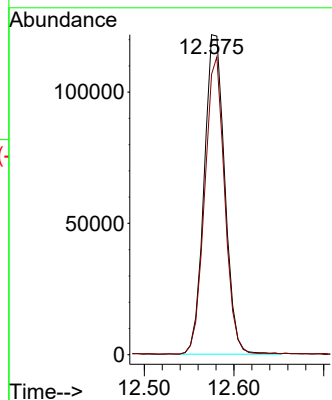
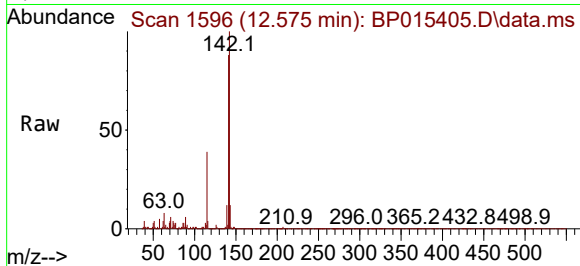




#36
2-Methylnaphthalene
Concen: 10.769 ng/ul
RT: 12.575 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

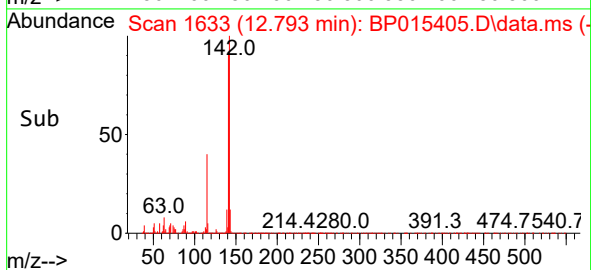
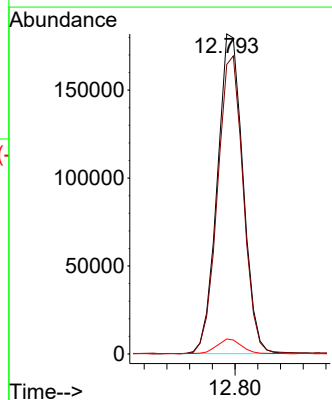
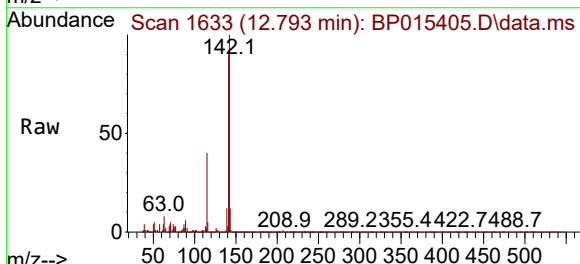
Instrument :
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ClientSampleId :
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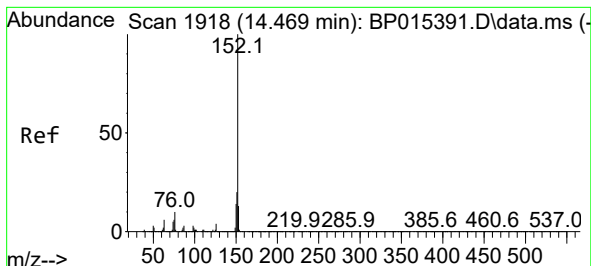
Tgt Ion:142 Resp: 193770
Ion Ratio Lower Upper
142 100
141 87.6 72.0 108.0



#37
1-Methylnaphthalene
Concen: 15.791 ng/ul
RT: 12.793 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

Tgt Ion:142 Resp: 286086
Ion Ratio Lower Upper
142 100
141 90.4 71.9 107.9
116 4.7 3.4 5.2





#50

Acenaphthylene

Concen: 3.201 ng/ul

RT: 14.469 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Instrument :

BNA_P

ClientSampleId :

EW984

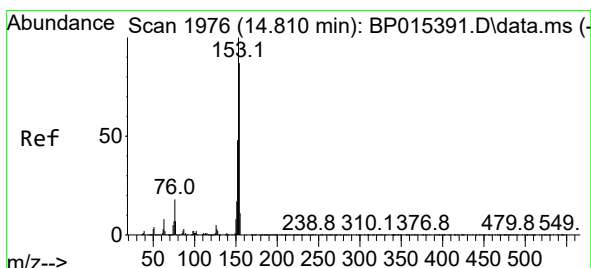
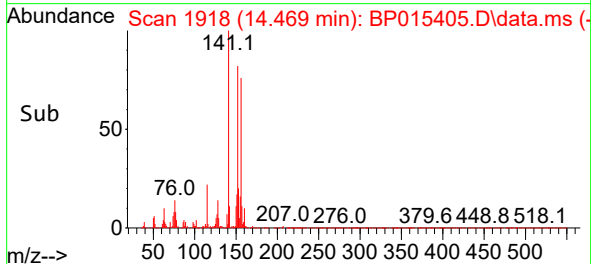
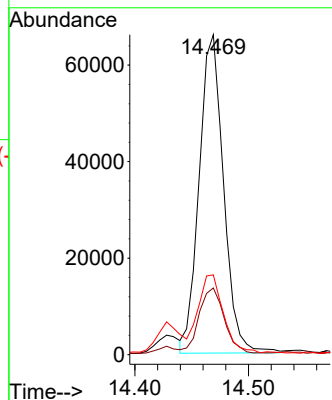
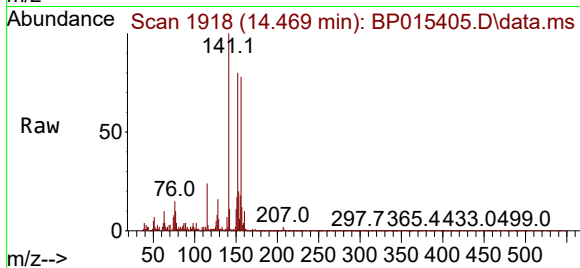
Tgt Ion:152 Resp: 98341

Ion Ratio Lower Upper

152 100

151 20.8 16.0 24.0

153 25.0 10.6 15.8#



#52

Acenaphthene

Concen: 19.842 ng/ul

RT: 14.804 min Scan# 1975

Delta R.T. -0.006 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

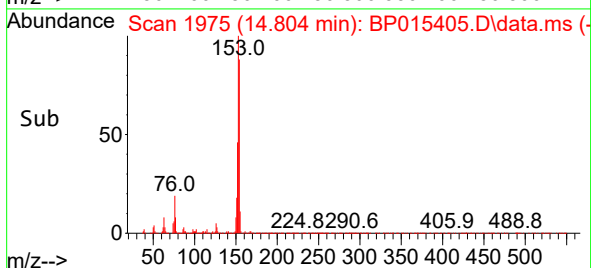
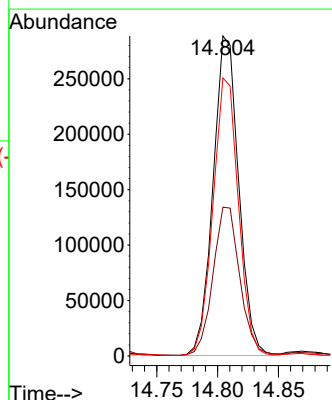
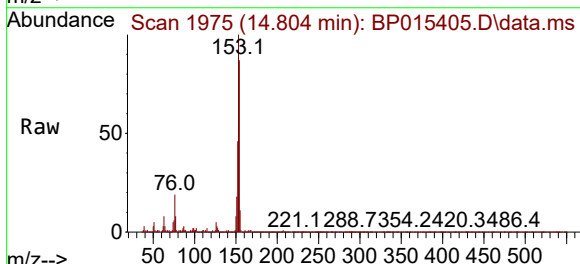
Tgt Ion:153 Resp: 421401

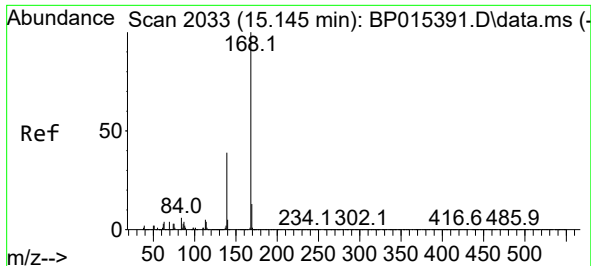
Ion Ratio Lower Upper

153 100

152 46.5 38.3 57.5

154 86.9 69.8 104.6

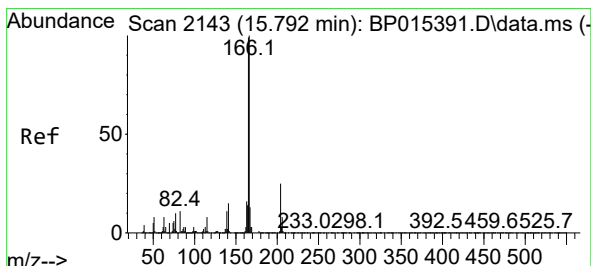
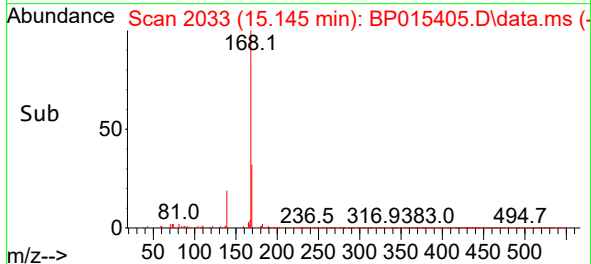
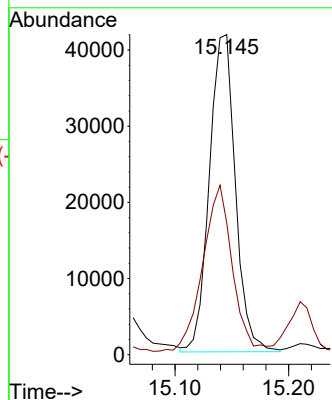
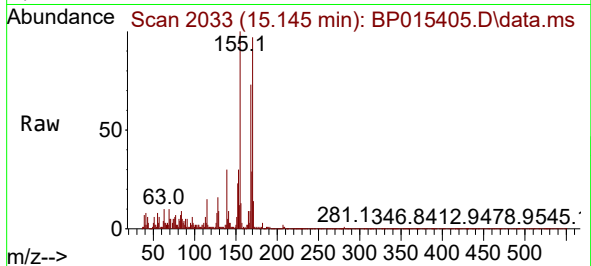




#56
Dibenzenofuran
Concen: 2.209 ng/ul
RT: 15.145 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

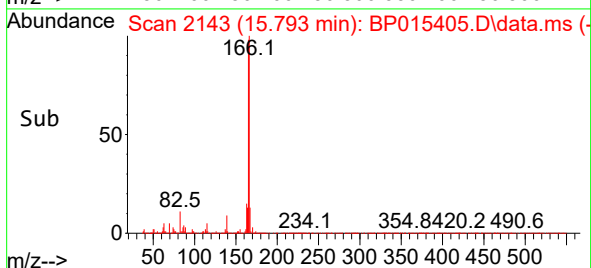
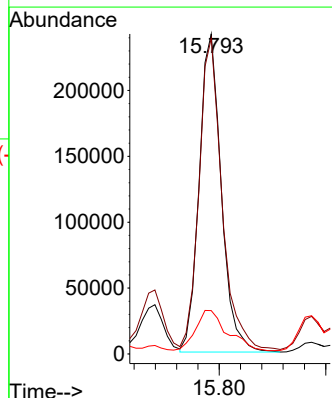
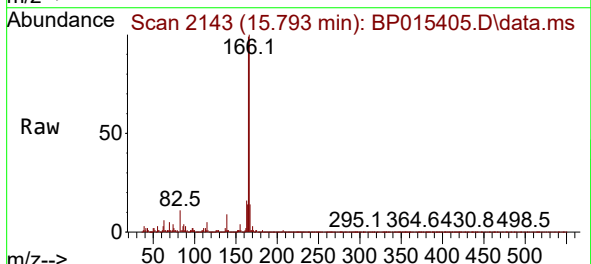
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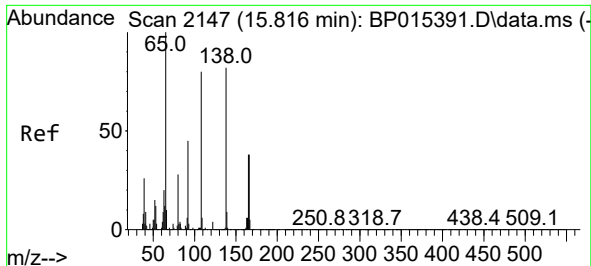
Tgt Ion:168 Resp: 66480
Ion Ratio Lower Upper
168 100
139 41.2 31.2 46.8



#61
Fluorene
Concen: 14.192 ng/ul
RT: 15.793 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP015405.D
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Tgt Ion:166 Resp: 348252
Ion Ratio Lower Upper
166 100
165 98.7 79.1 118.7
167 13.5 10.6 16.0

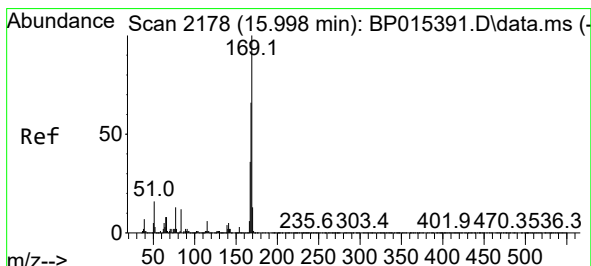
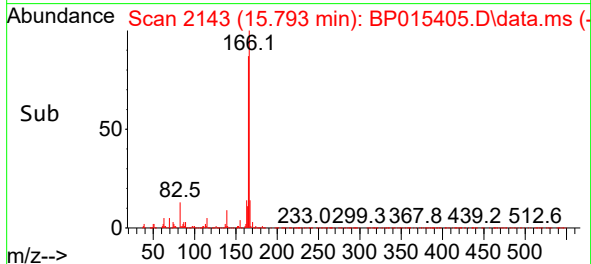
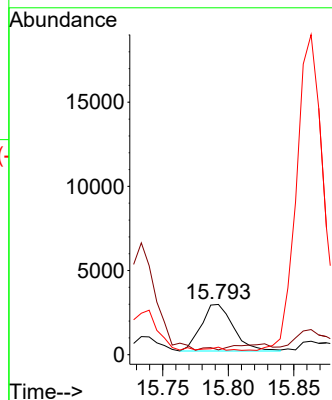
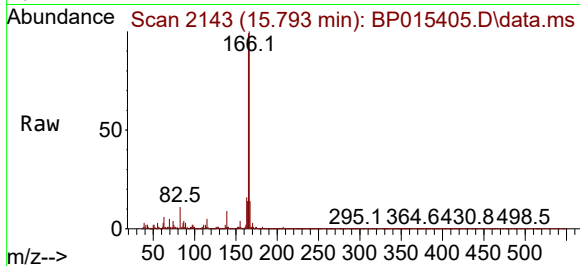




#63
4-Nitroaniline
Concen: 1.123 ng/ul
RT: 15.793 min Scan# 2143
Delta R.T. -0.024 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

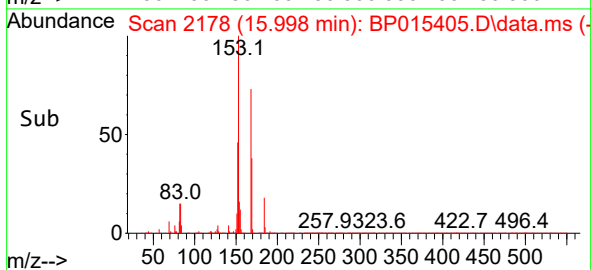
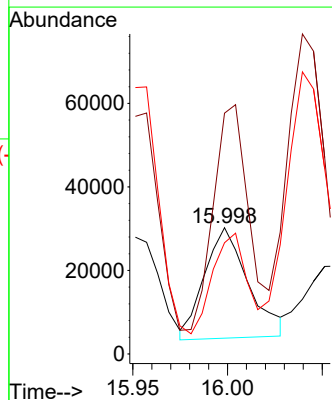
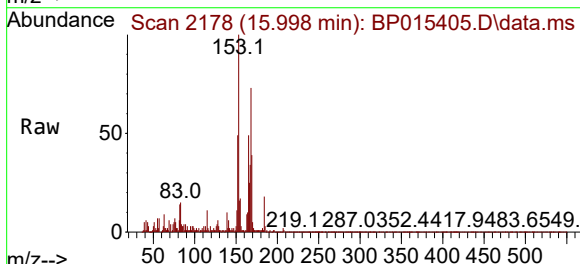
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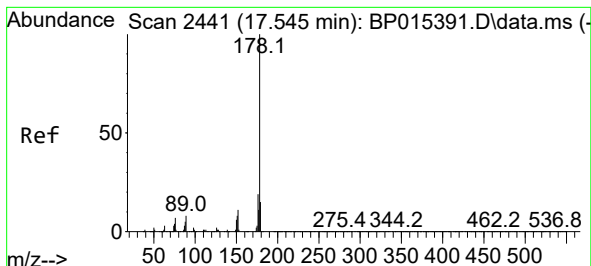
Tgt Ion:138 Resp: 4719
Ion Ratio Lower Upper
138 100
92 9.7 44.6 67.0#
108 15.0 78.4 117.6#



#67
N-Nitrosodiphenylamine
Concen: 2.100 ng/ul
RT: 15.998 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

Tgt Ion:169 Resp: 42390
Ion Ratio Lower Upper
169 100
168 190.7 53.0 79.4#
167 88.1 28.9 43.3#





#72

Phenanthrene

Concen: 69.597 ng/ul

RT: 17.545 min Scan# 2441

Delta R.T. 0.000 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Instrument :

BNA_P

ClientSampleId :

EW984

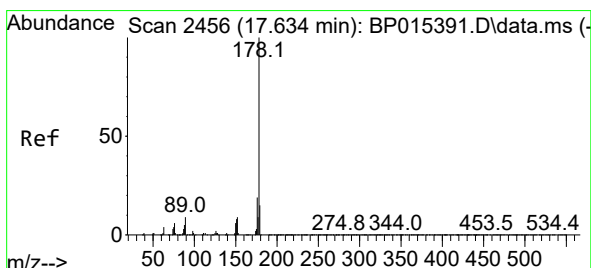
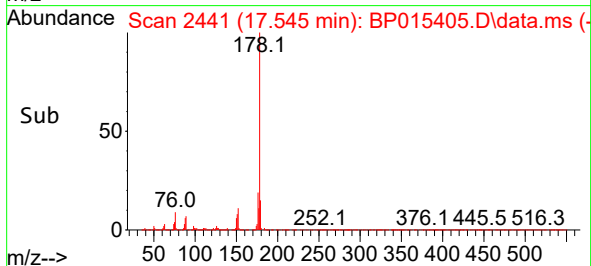
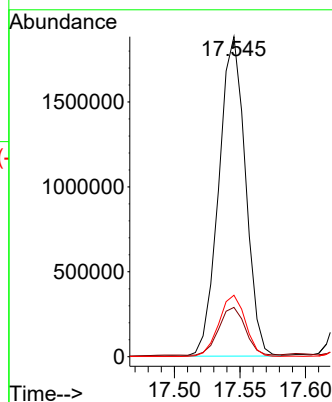
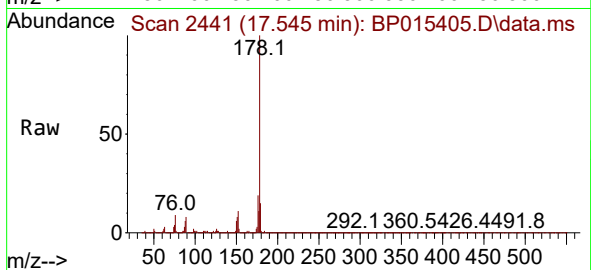
Tgt Ion:178 Resp: 2657139

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 19.2 15.4 23.0



#74

Anthracene

Concen: 19.208 ng/ul

RT: 17.634 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

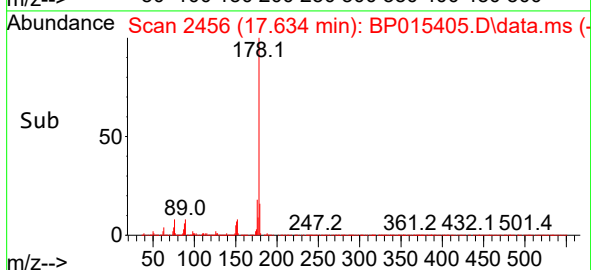
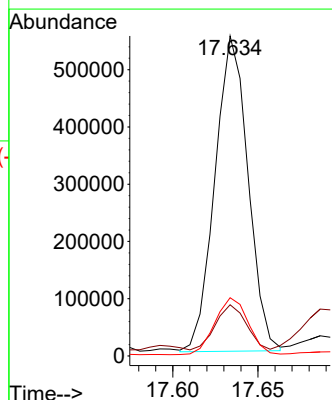
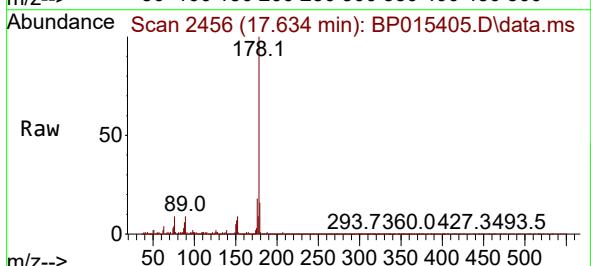
Tgt Ion:178 Resp: 744081

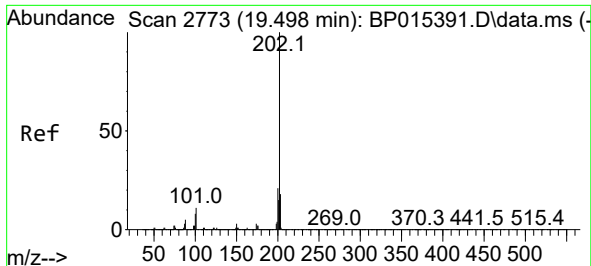
Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

176 18.2 15.0 22.4

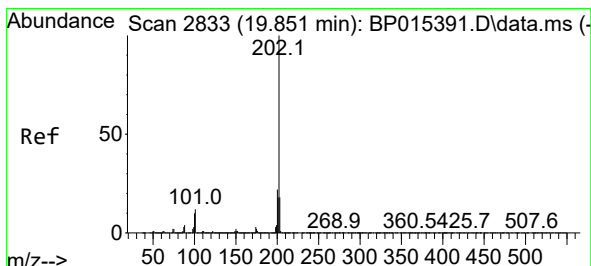
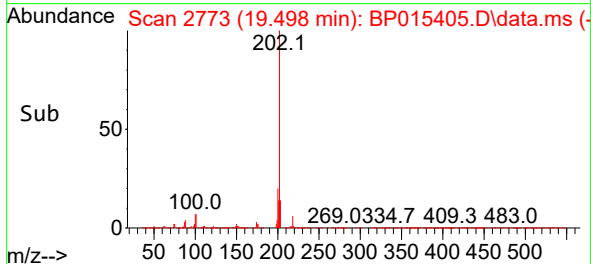
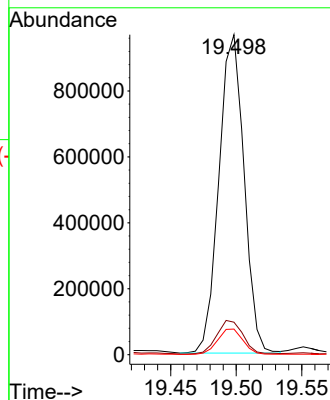
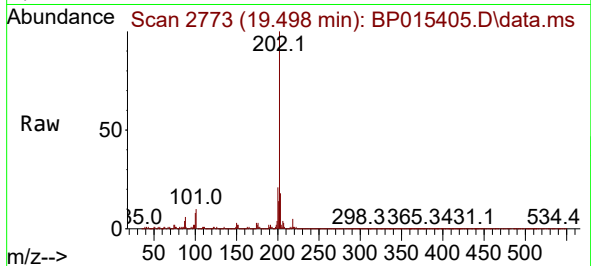




#80
Fluoranthene
Concen: 30.977 ng/ul
RT: 19.498 min Scan# 2773
Delta R.T. 0.000 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

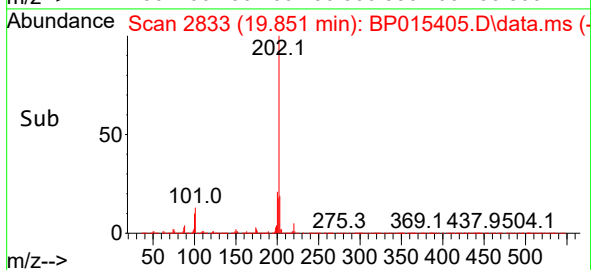
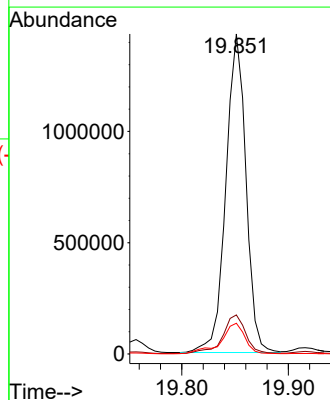
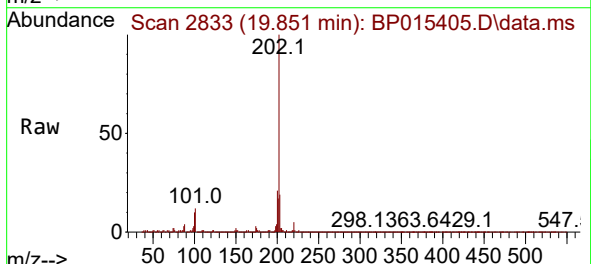
Instrument :
BNA_P
ClientSampleId :
EW984

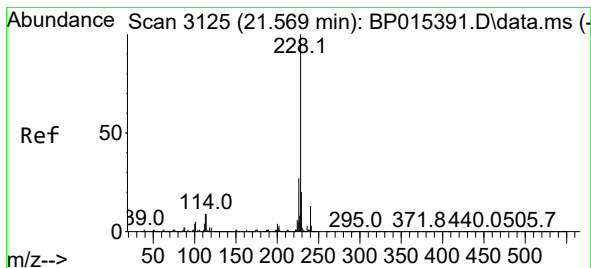
Tgt Ion:202 Resp: 1287701
Ion Ratio Lower Upper
202 100
101 10.1 8.6 13.0
100 8.0 6.6 9.8



#82
Pyrene
Concen: 43.613 ng/ul
RT: 19.851 min Scan# 2833
Delta R.T. 0.000 min
Lab File: BP015405.D
Acq: 07 Jun 2023 18:41

Tgt Ion:202 Resp: 1875668
Ion Ratio Lower Upper
202 100
101 12.2 9.9 14.9
100 9.6 8.4 12.6





#85

Benzo(a)anthracene

Concen: 19.147 ng/ul

RT: 21.622 min Scan# 3134

Delta R.T. 0.053 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Instrument :

BNA_P

ClientSampleId :

EW984

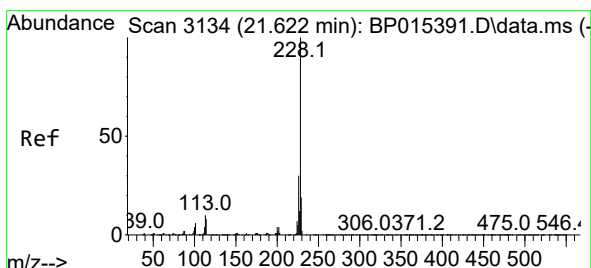
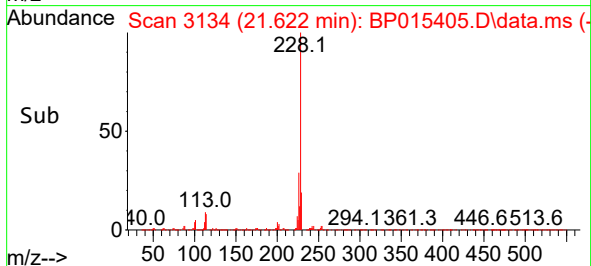
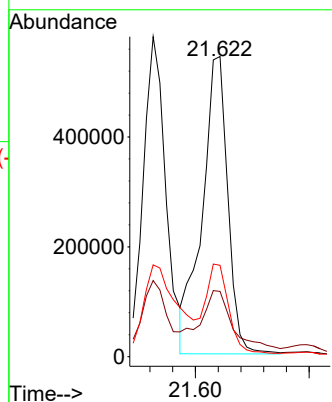
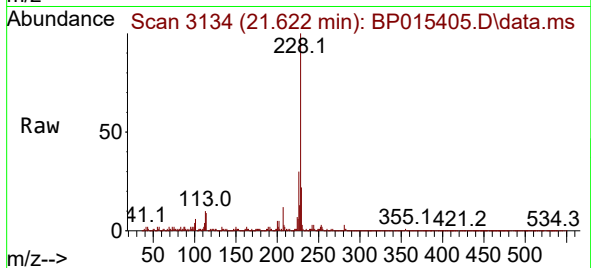
Tgt Ion:228 Resp: 853501

Ion Ratio Lower Upper

228 100

229 21.8 15.8 23.6

226 30.4 21.8 32.6



#87

Chrysene

Concen: 20.052 ng/ul

RT: 21.622 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

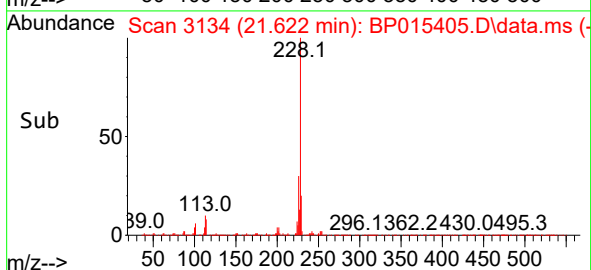
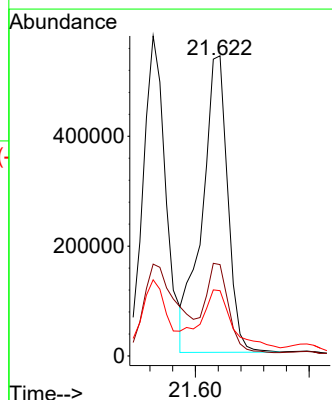
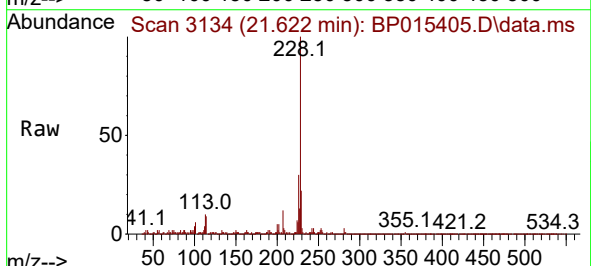
Tgt Ion:228 Resp: 844876

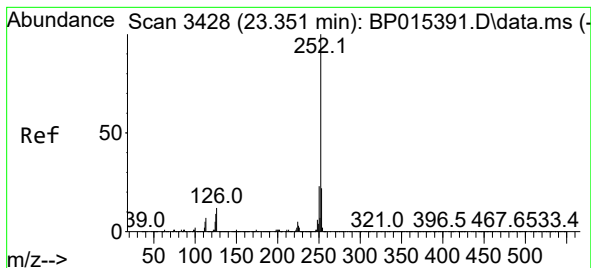
Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 21.8 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 10.480 ng/ul

RT: 23.351 min Scan# 3428

Delta R.T. 0.000 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Instrument :

BNA_P

ClientSampleId :

EW984

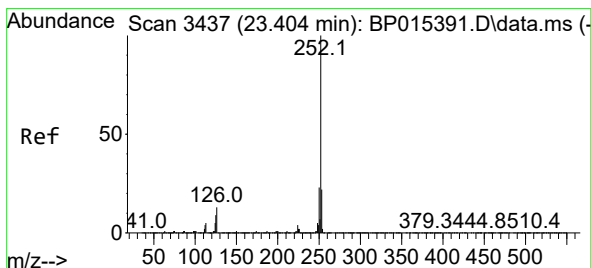
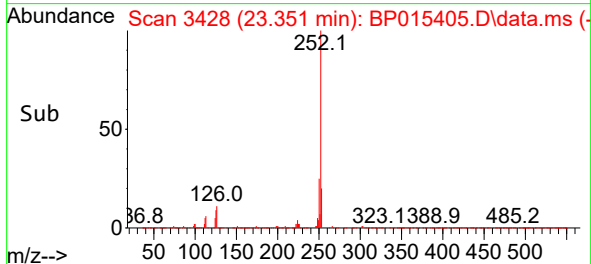
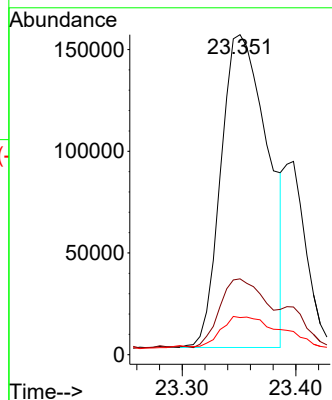
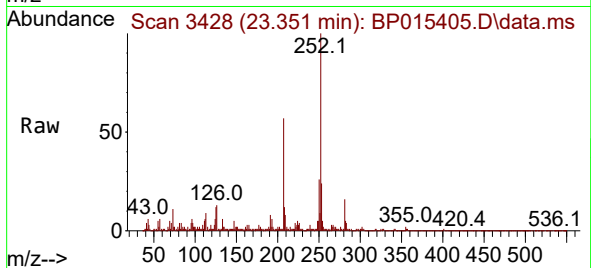
Tgt Ion:252 Resp: 442955

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 11.6 7.3 10.9#



#91

Benzo(k)fluoranthene

Concen: 10.842 ng/ul

RT: 23.351 min Scan# 3428

Delta R.T. -0.053 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

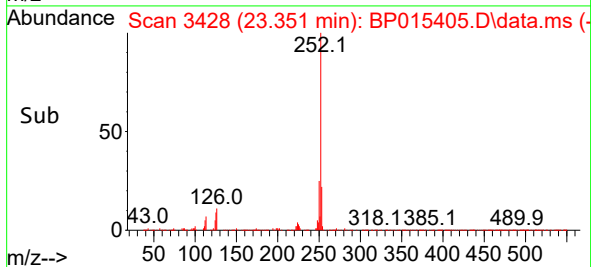
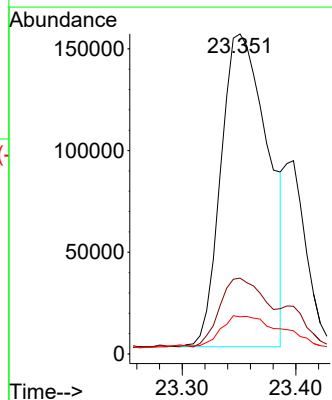
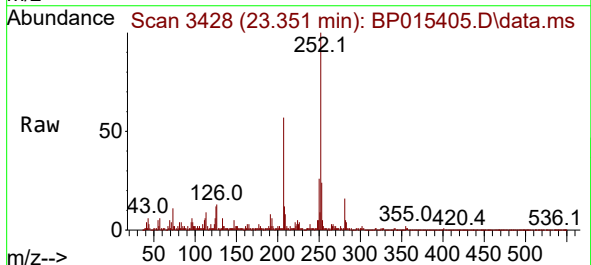
Tgt Ion:252 Resp: 442955

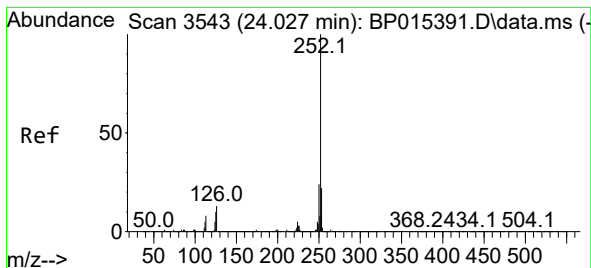
Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 11.6 7.3 10.9#





#93

Benzo(a)pyrene

Concen: 12.295 ng/ul

RT: 24.021 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Instrument :

BNA_P

ClientSampleId :

EW984

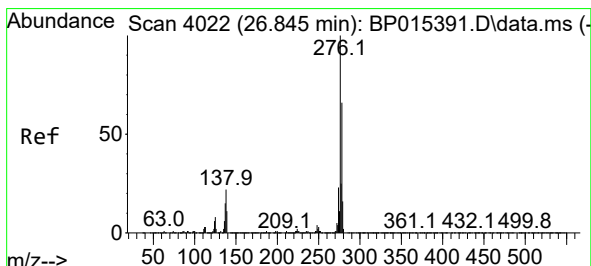
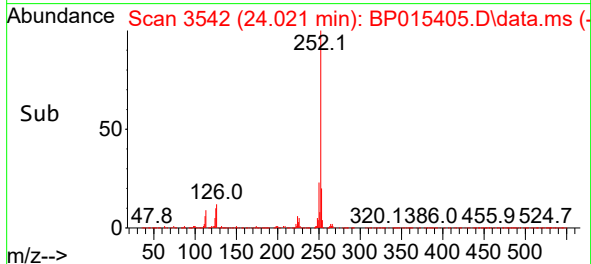
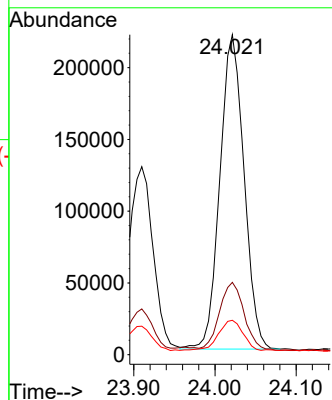
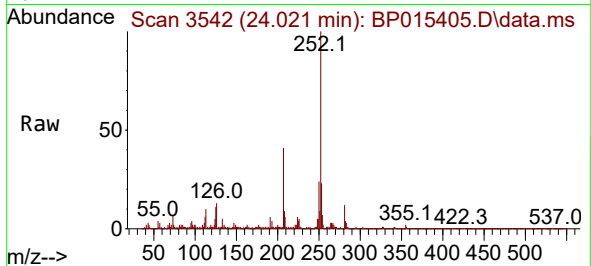
Tgt Ion:252 Resp: 453069

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 10.8 8.1 12.1



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.941 ng/ul

RT: 26.833 min Scan# 4020

Delta R.T. -0.012 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

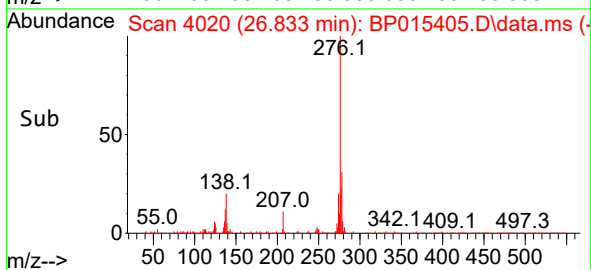
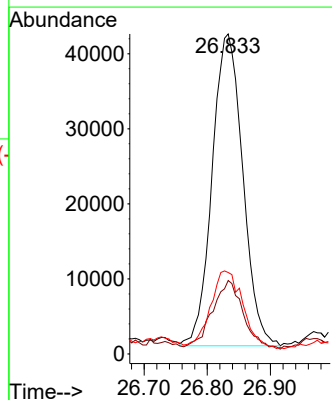
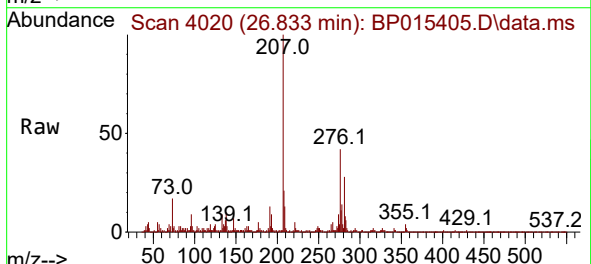
Tgt Ion:276 Resp: 140244

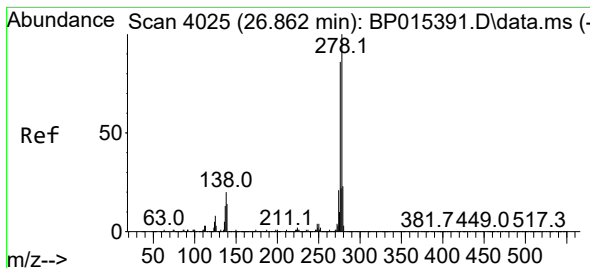
Ion Ratio Lower Upper

276 100

138 22.9 17.3 25.9

277 25.4 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 1.476 ng/ul

RT: 26.845 min Scan# 4025

Delta R.T. -0.018 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Instrument :

BNA_P

ClientSampleId :

EW984

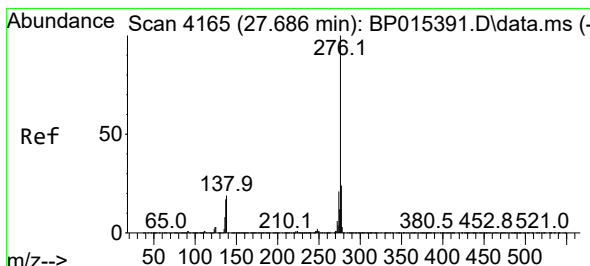
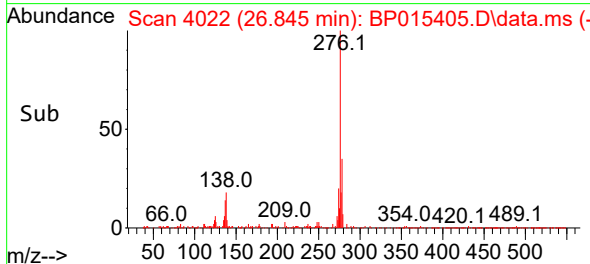
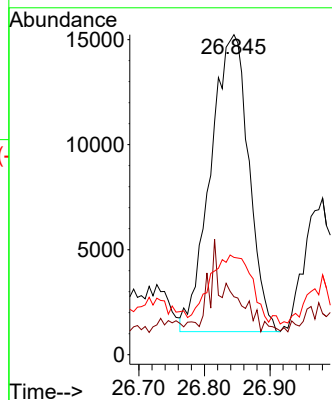
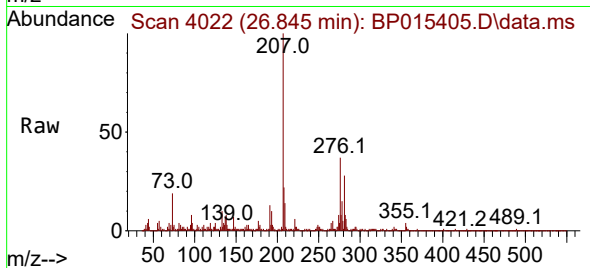
Tgt Ion:278 Resp: 57355

Ion Ratio Lower Upper

278 100

139 21.9 11.4 17.0#

279 30.4 18.7 28.1#



#96

Benzo(g,h,i)perylene

Concen: 3.206 ng/ul

RT: 27.668 min Scan# 4162

Delta R.T. -0.018 min

Lab File: BP015405.D

Acq: 07 Jun 2023 18:41

Tgt Ion:276 Resp: 126009

Ion Ratio Lower Upper

276 100

138 21.8 15.6 23.4

277 25.2 19.0 28.6

