

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014947.D
 Acq On : 04 May 2023 12:13
 Operator : CG/JU
 Sample : 02447-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW916

Quant Time: May 04 22:41:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 04 11:40:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.169	152	249297	20.000	ng/ul	0.00
20) Naphthalene-d8	10.998	136	884922	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.810	164	451884	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.563	188	932165	20.000	ng/ul	0.00
79) Chrysene-d12	21.645	240	961998	20.000	ng/ul	0.00
88) Perylene-d12	24.245	264	1187523	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.463	96	19600	2.923	ng/uL	0.00
4) Pyridine-d5	3.910	84	41320	2.255	ng/ul	0.01
7) Phenol-d5	7.310	99	305266	14.124	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	205258	15.365	ng/ul	0.00
11) 2-Chlorophenol-d4	7.687	132	259399	16.322	ng/ul	0.00
15) 4-Methylphenol-d8	8.869	113	211289	12.685	ng/ul	0.00
21) Nitrobenzene-d5	9.339	128	115434	18.341	ng/ul	0.00
24) 2-Nitrophenol-d4	10.069	143	118497	18.336	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	207723	16.370	ng/ul	0.00
31) 4-Chloroaniline-d4	11.134	131	134176	7.310	ng/ul	0.00
46) Dimethylphthalate-d6	14.210	166	566260	17.706	ng/ul	0.00
49) Acenaphthylene-d8	14.504	160	687801	17.932	ng/ul	0.00
54) 4-Nitrophenol-d4	14.992	143	42066	7.561	ng/ul	0.00
60) Fluorene-d10	15.798	176	492851	17.912	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	44105	8.405	ng/ul	0.00
73) Anthracene-d10	17.663	188	767404	18.322	ng/ul	0.00
81) Pyrene-d10	19.880	212	1007371	15.526	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.080	264	1135037	19.617	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.293	77	8801	1.489	ng/ul#	1
8) Phenol	7.340	94	547732	24.138	ng/ul	98
13) 2-Methylphenol	8.604	108	17053	1.008	ng/ul	88
16) Acetophenone	8.998	105	122653	4.504	ng/ul	98
19) Hexachloroethane	9.281	117	13699	1.834	ng/ul#	8
26) 2,4-Dimethylphenol	10.163	107	43220	2.679	ng/ul#	45
30) Naphthalene	11.051	128	108783	2.236	ng/ul	99
36) 2-Methylnaphthalene	12.645	142	64866	2.156	ng/ul	98
37) 1-Methylnaphthalene	12.863	142	58108	1.874	ng/ul	96
50) Acenaphthylene	14.533	152	314971	7.243	ng/ul	99
52) Acenaphthene	14.875	153	54742	1.819	ng/ul	98
56) Dibenzofuran	15.204	168	53300	1.313	ng/ul	97
61) Fluorene	15.857	166	124532	3.888	ng/ul	99
72) Phenanthrene	17.610	178	2373244	46.084	ng/ul	100
74) Anthracene	17.698	178	667767	13.024	ng/ul	100
77) Carbazole	17.957	167	73238	1.698	ng/ul	96
80) Fluoranthene	19.563	202	5630615	70.723	ng/ul	98
82) Pyrene	19.915	202	5002821	59.310	ng/ul	97
85) Benzo(a)anthracene	21.627	228	2881324	44.873	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.527	149	37450	1.175	ng/ul#	98
87) Chrysene	21.686	228	2803070	43.355	ng/ul	98
90) Benzo(b)fluoranthene	23.451	252	3612753	47.073	ng/ul	98
91) Benzo(k)fluoranthene	23.451	252	3612753	46.253	ng/ul	99
93) Benzo(a)pyrene	24.133	252	2600127	38.630	ng/ul	98

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Response via : Initial Calibration

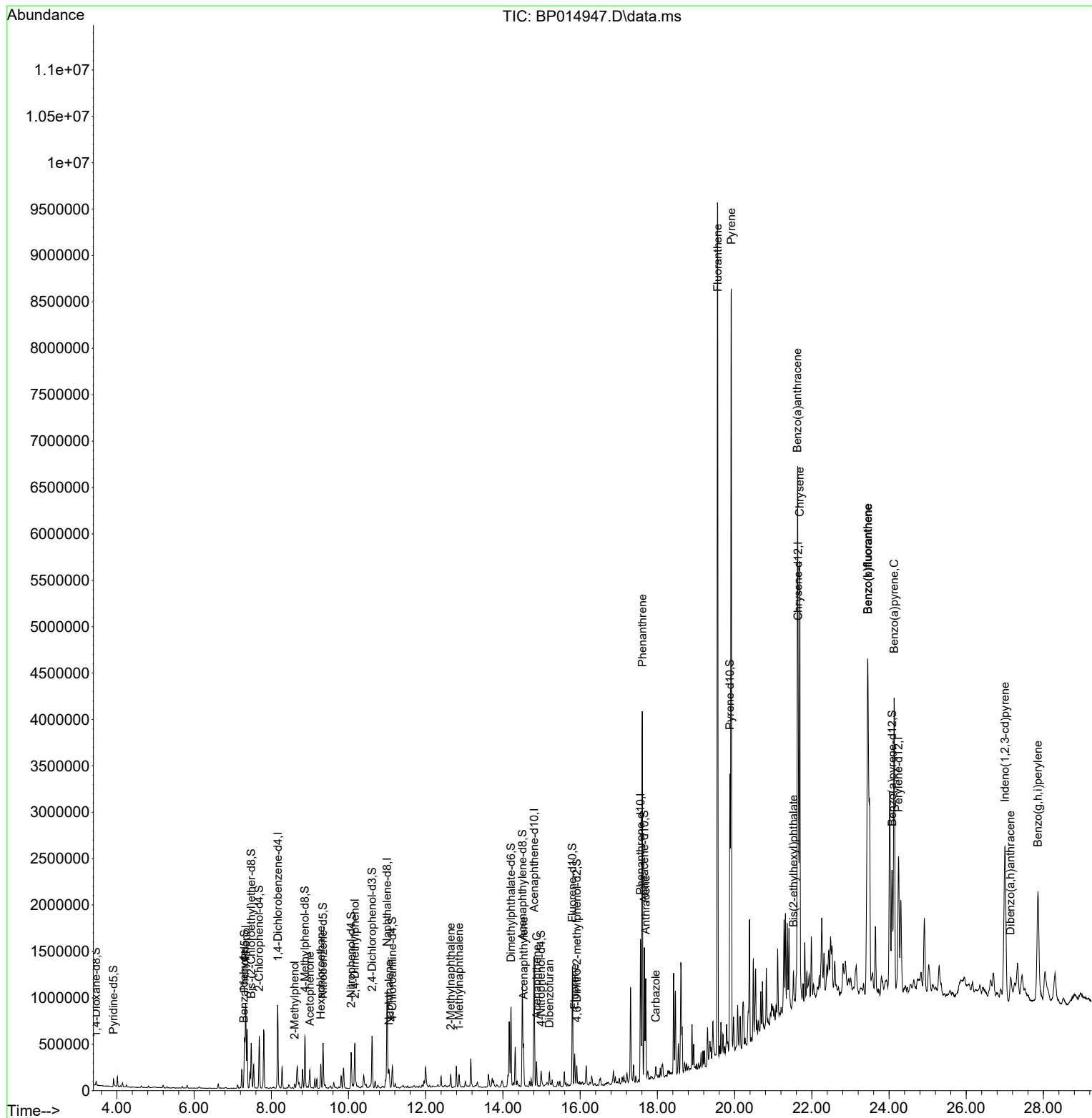
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	27.003	276	1819039	22.156	ng/ul	96
95) Dibenzo(a,h)anthracene	27.144	278	147011	2.185	ng/ul	95
96) Benzo(g,h,i)perylene	27.856	276	1620652	23.193	ng/ul	98

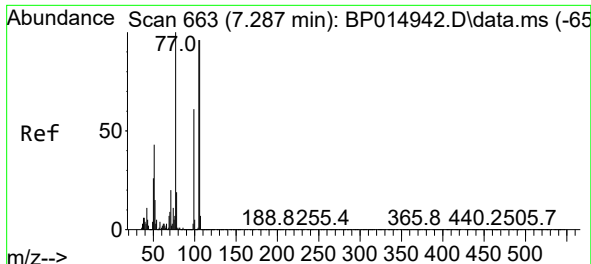
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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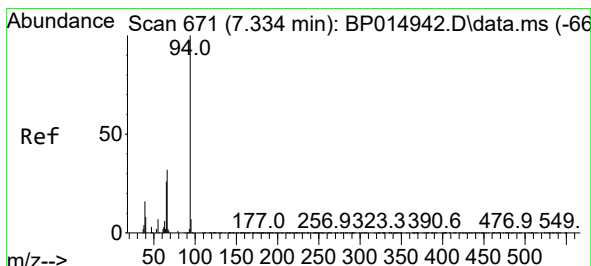
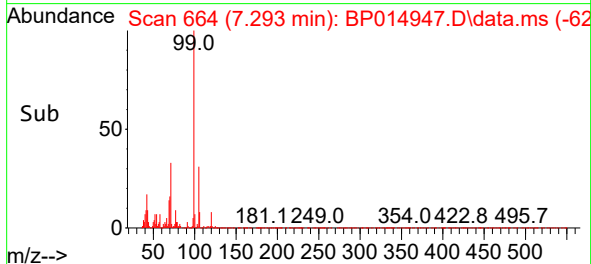
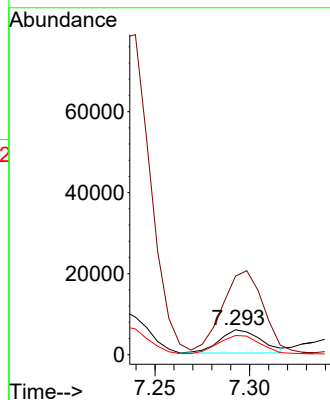
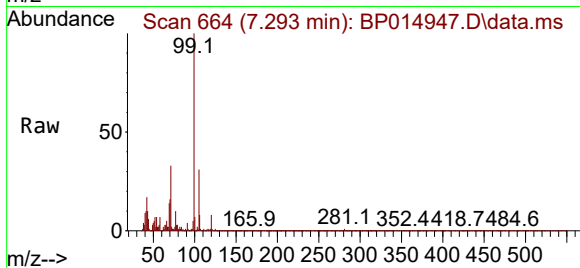




#6
Benzaldehyde
Concen: 1.489 ng/ul
RT: 7.293 min Scan# 601
Delta R.T. 0.005 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

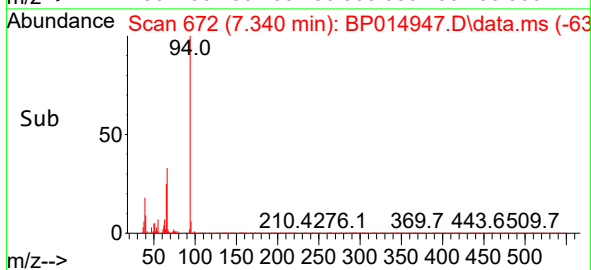
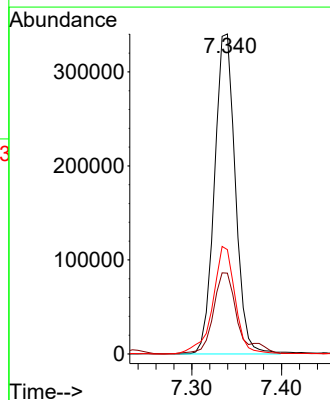
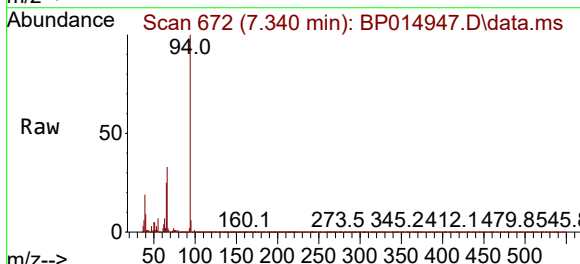
Instrument :
BNA_P
ClientSampleId :
EW916

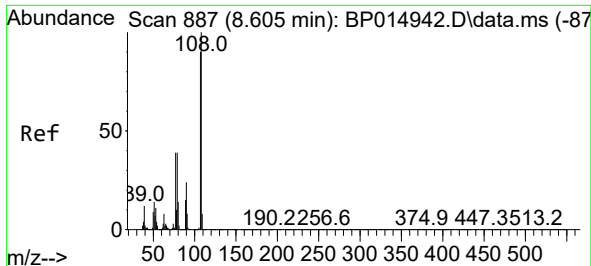
Tgt Ion: 77 Resp: 8801
Ion Ratio Lower Upper
77 100
105 315.8 80.7 121.1#
106 77.3 77.6 116.4#



#8
Phenol
Concen: 24.138 ng/ul
RT: 7.340 min Scan# 672
Delta R.T. 0.005 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

Tgt Ion: 94 Resp: 547732
Ion Ratio Lower Upper
94 100
65 25.3 21.4 32.0
66 32.6 25.8 38.8





#13

2-Methylphenol

Concen: 1.008 ng/ul

RT: 8.604 min Scan# 8

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

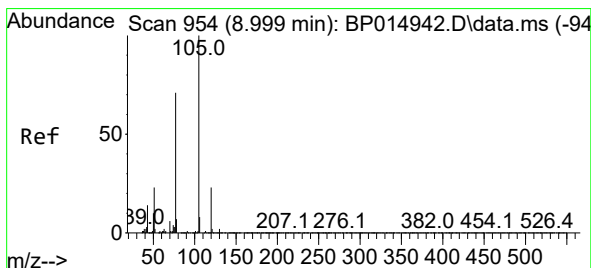
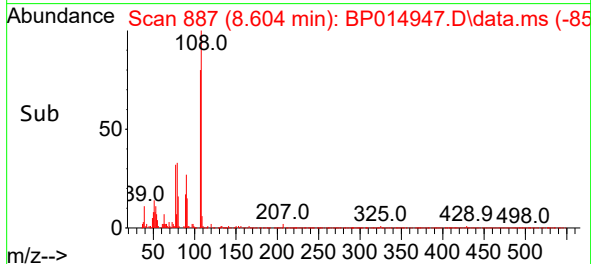
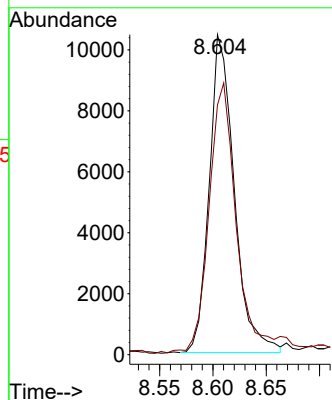
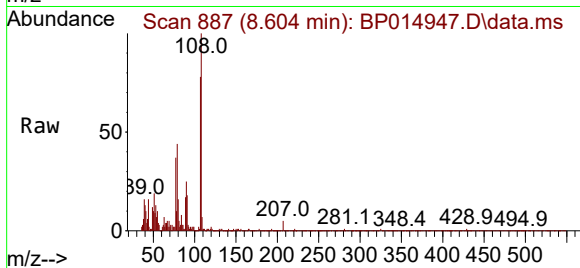
EW916

Tgt Ion:108 Resp: 17053

Ion Ratio Lower Upper

108 100

107 78.1 71.7 107.5



#16

Acetophenone

Concen: 4.504 ng/ul

RT: 8.998 min Scan# 954

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

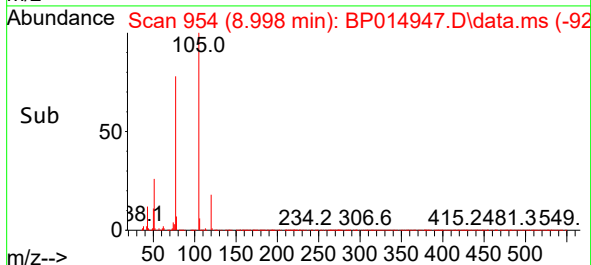
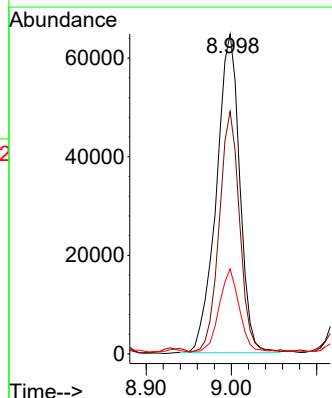
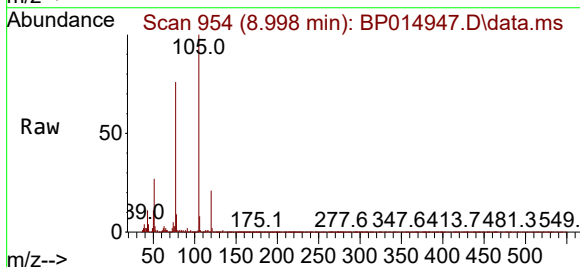
Tgt Ion:105 Resp: 122653

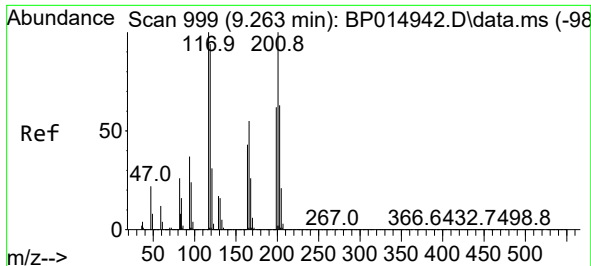
Ion Ratio Lower Upper

105 100

77 75.8 61.2 91.8

51 26.6 19.4 29.2





#19

Hexachloroethane

Concen: 1.834 ng/ul

RT: 9.281 min Scan# 1002

Delta R.T. 0.017 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

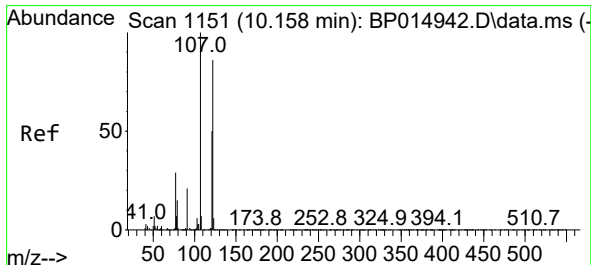
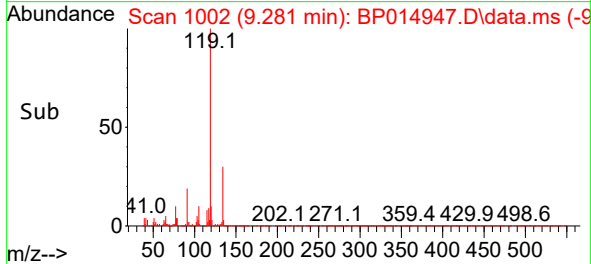
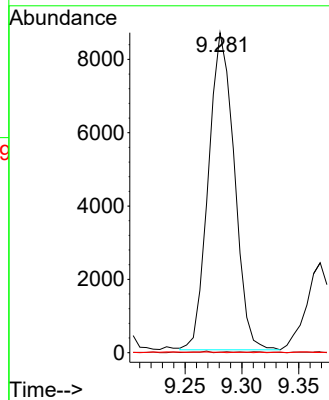
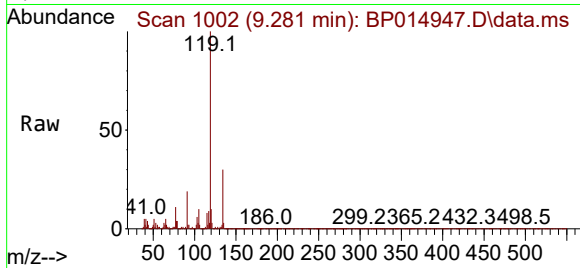
Tgt Ion:117 Resp: 13699

Ion Ratio Lower Upper

117 100

201 0.2 78.9 118.3#

199 0.2 48.3 72.5#



#26

2,4-Dimethylphenol

Concen: 2.679 ng/ul

RT: 10.163 min Scan# 1152

Delta R.T. 0.005 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

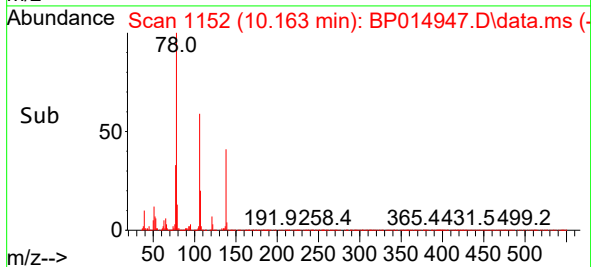
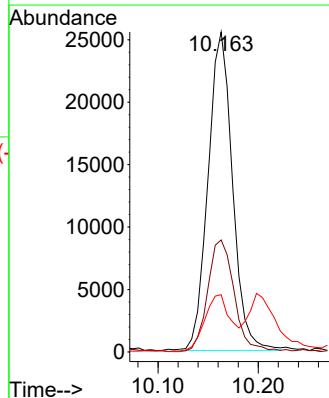
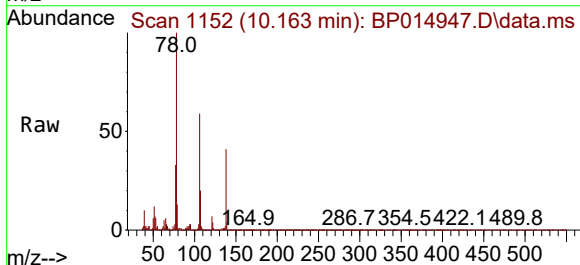
Tgt Ion:107 Resp: 43220

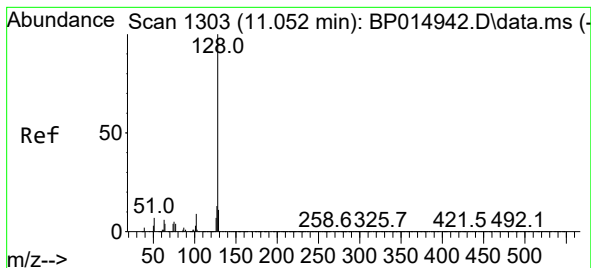
Ion Ratio Lower Upper

107 100

121 35.0 40.2 60.2#

122 17.9 69.6 104.4#





#30

Naphthalene

Concen: 2.236 ng/ul

RT: 11.051 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

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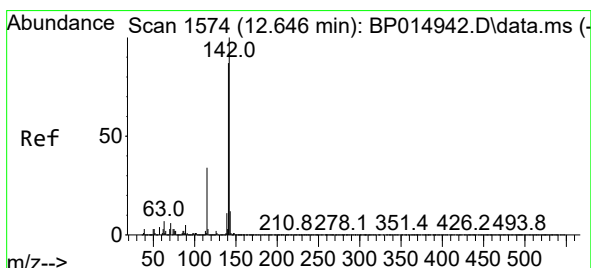
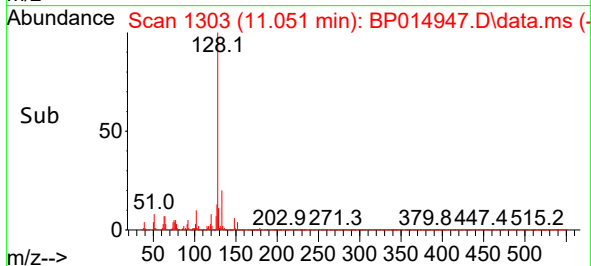
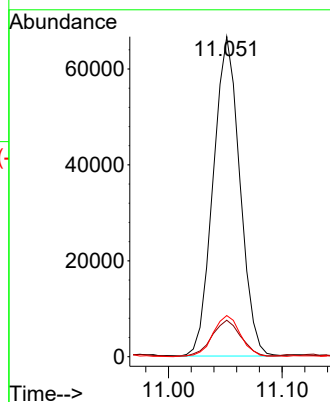
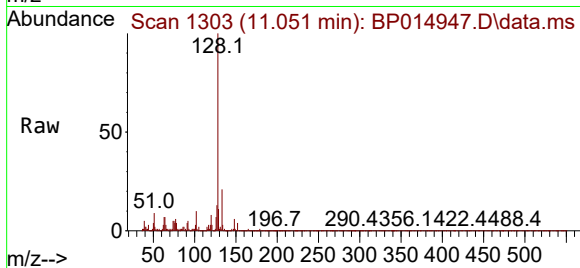
Tgt Ion:128 Resp: 108783

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 12.8 10.4 15.6



#36

2-Methylnaphthalene

Concen: 2.156 ng/ul

RT: 12.645 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BP014947.D

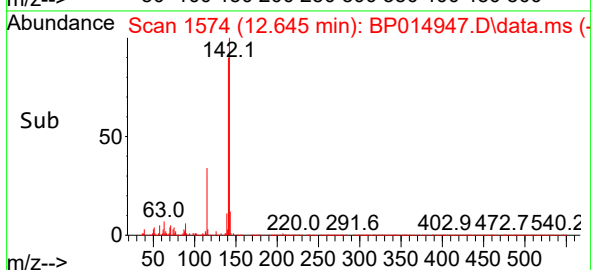
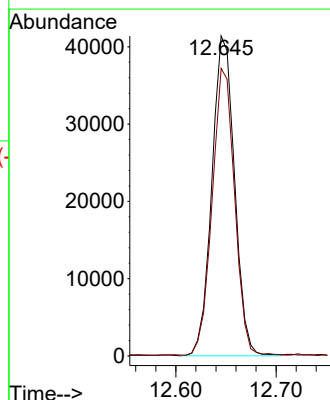
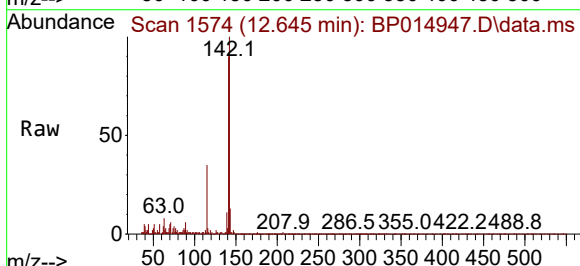
Acq: 04 May 2023 12:13

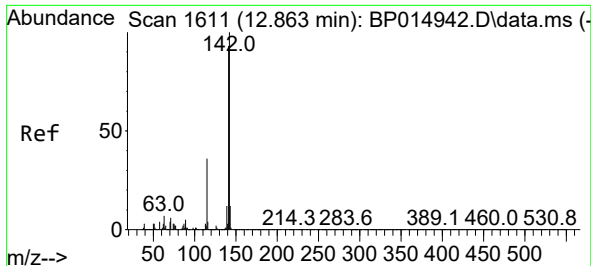
Tgt Ion:142 Resp: 64866

Ion Ratio Lower Upper

142 100

141 89.8 70.5 105.7

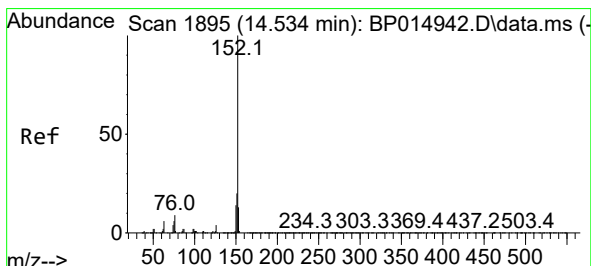
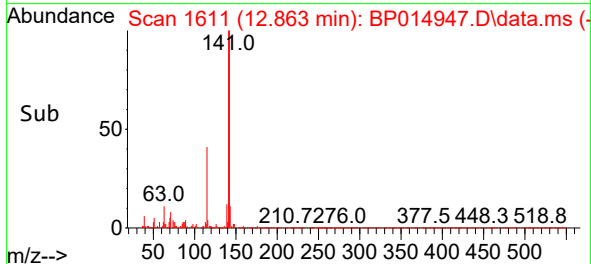
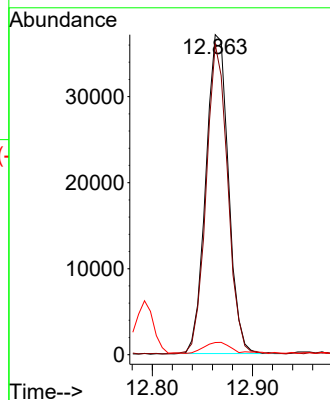
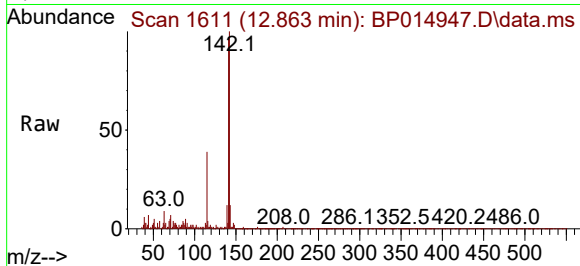




#37
1-Methylnaphthalene
Concen: 1.874 ng/ul
RT: 12.863 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

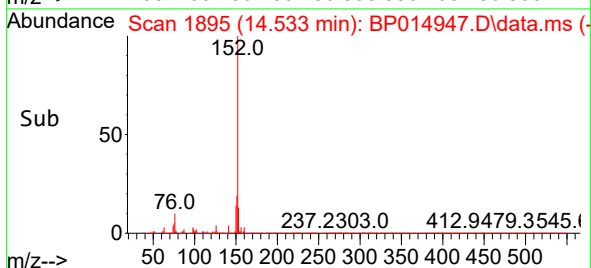
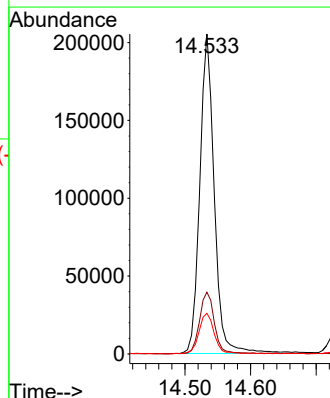
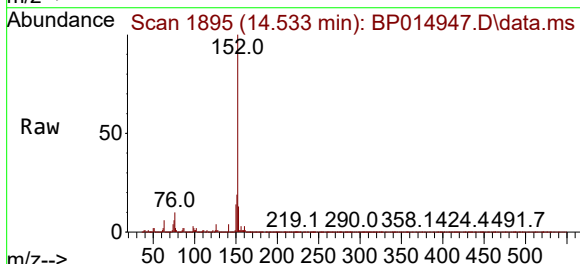
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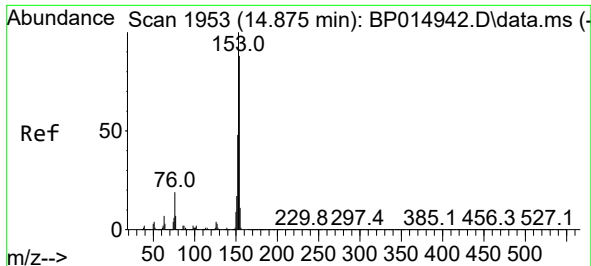
Tgt Ion:142 Resp: 58108
Ion Ratio Lower Upper
142 100
141 96.9 74.4 111.6
116 3.8 2.9 4.3



#50
Acenaphthylene
Concen: 7.243 ng/ul
RT: 14.533 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

Tgt Ion:152 Resp: 314971
Ion Ratio Lower Upper
152 100
151 19.3 16.1 24.1
153 12.7 10.4 15.6

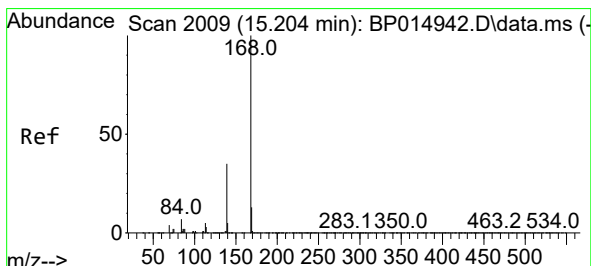
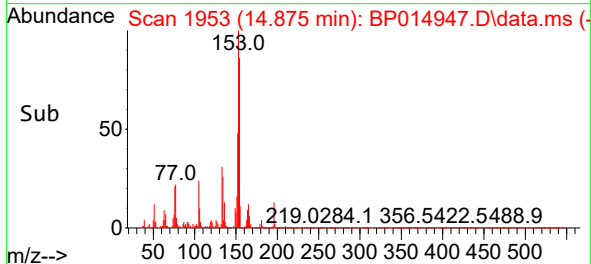
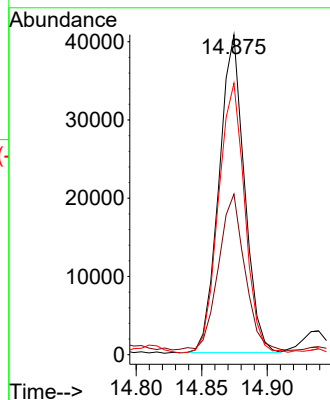
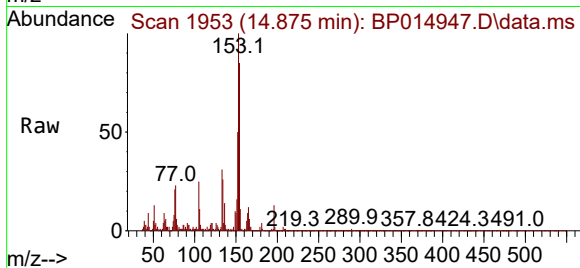




#52
Acenaphthene
Concen: 1.819 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

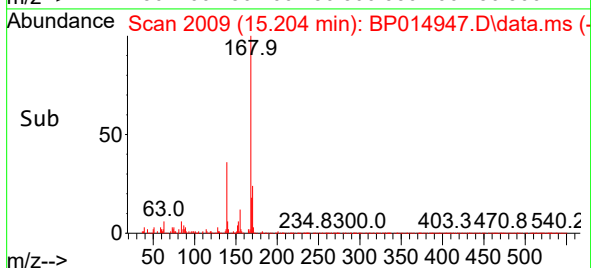
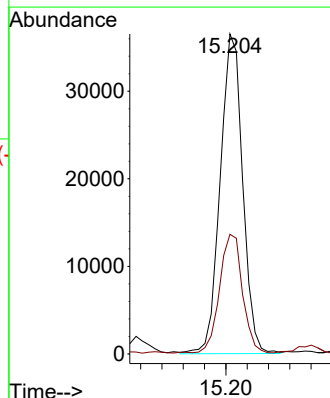
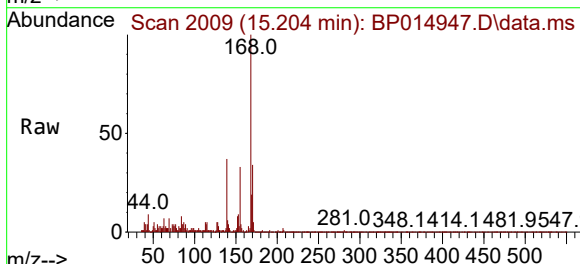
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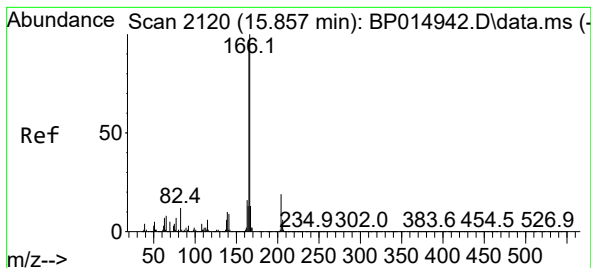
Tgt Ion:153 Resp: 54742
Ion Ratio Lower Upper
153 100
152 50.2 38.8 58.2
154 84.8 69.6 104.4



#56
Dibenzofuran
Concen: 1.313 ng/ul
RT: 15.204 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

Tgt Ion:168 Resp: 53300
Ion Ratio Lower Upper
168 100
139 37.4 28.6 42.8





#61

Fluorene

Concen: 3.888 ng/ul

RT: 15.857 min Scan# 2120

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

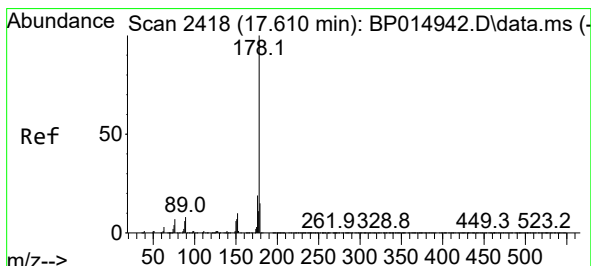
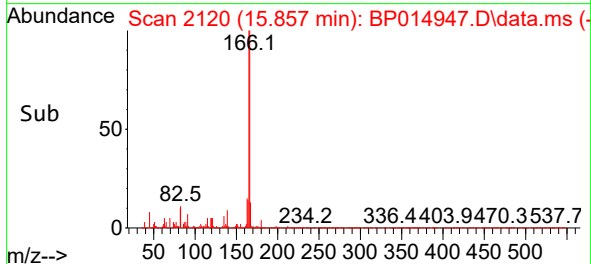
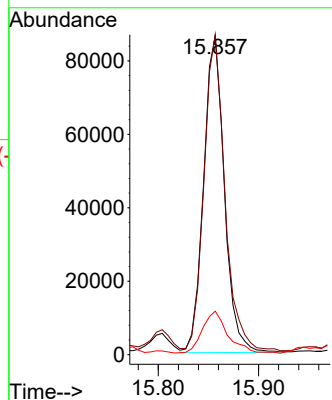
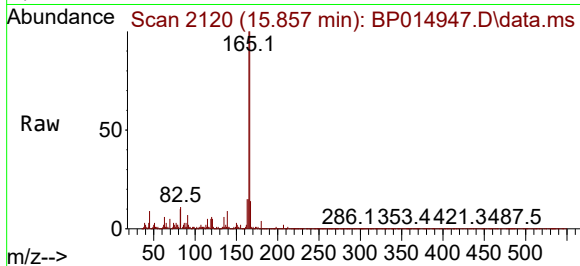
Tgt Ion:166 Resp: 124532

Ion Ratio Lower Upper

166 100

165 100.5 79.3 118.9

167 13.6 10.7 16.1



#72

Phenanthrene

Concen: 46.084 ng/ul

RT: 17.610 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

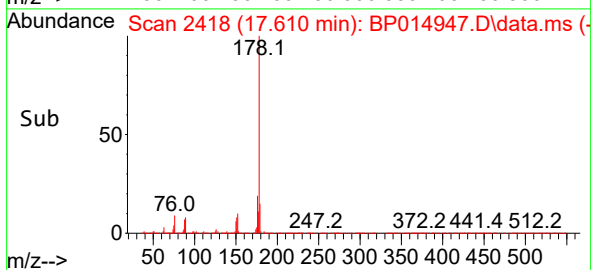
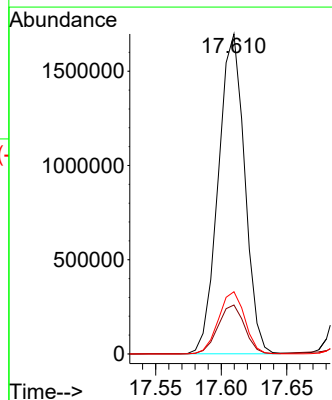
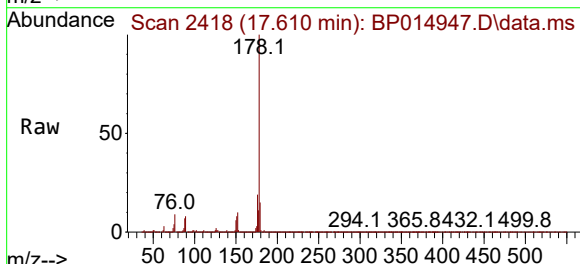
Tgt Ion:178 Resp: 2373244

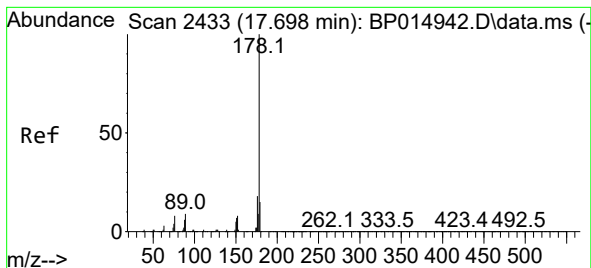
Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

176 19.5 15.4 23.0





#74

Anthracene

Concen: 13.024 ng/ul

RT: 17.698 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

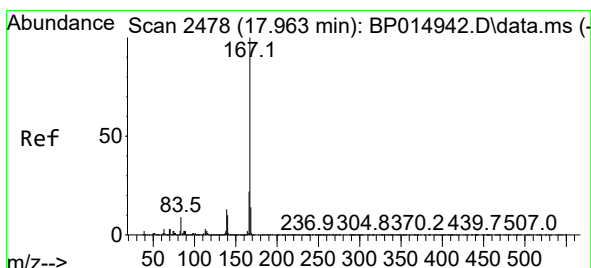
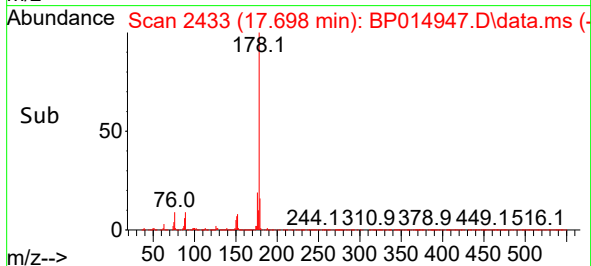
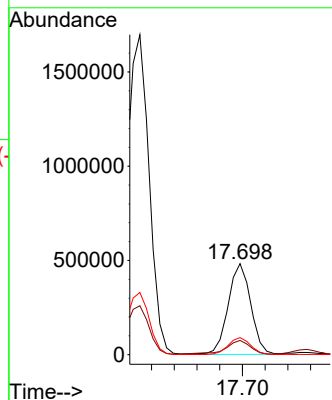
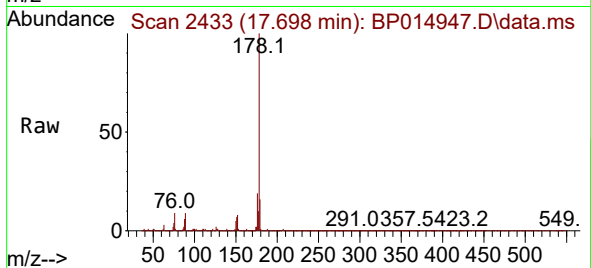
Tgt Ion:178 Resp: 667767

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 18.8 15.0 22.4



#77

Carbazole

Concen: 1.698 ng/ul

RT: 17.957 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

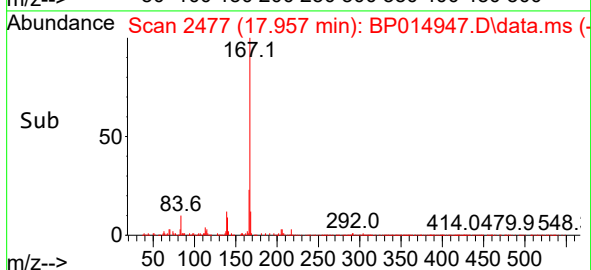
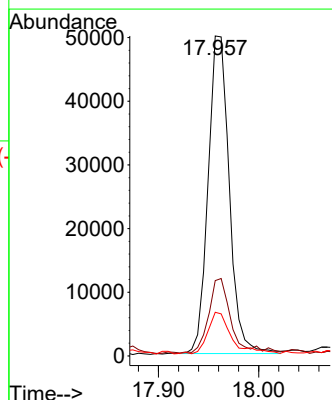
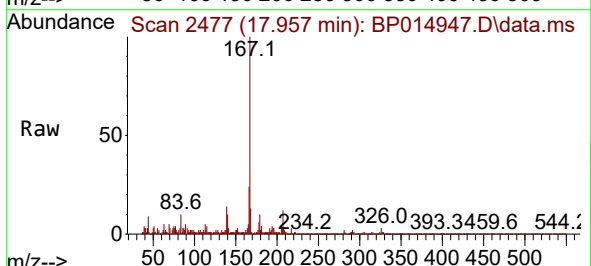
Tgt Ion:167 Resp: 73238

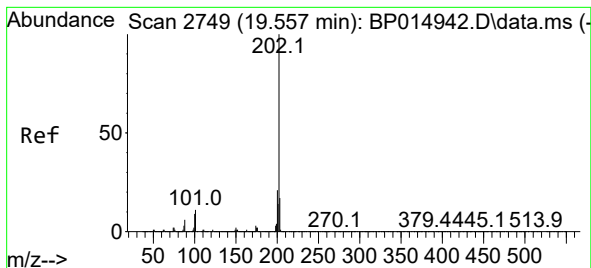
Ion Ratio Lower Upper

167 100

166 23.5 17.1 25.7

139 13.6 10.1 15.1





#80

Fluoranthene

Concen: 70.723 ng/ul

RT: 19.563 min Scan# 21

Delta R.T. 0.005 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

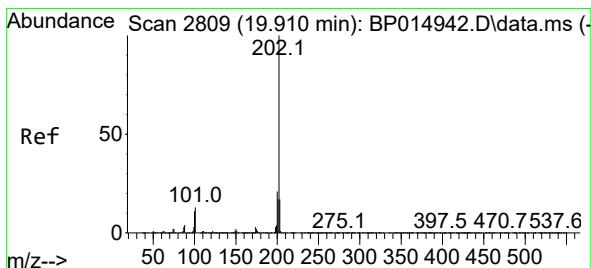
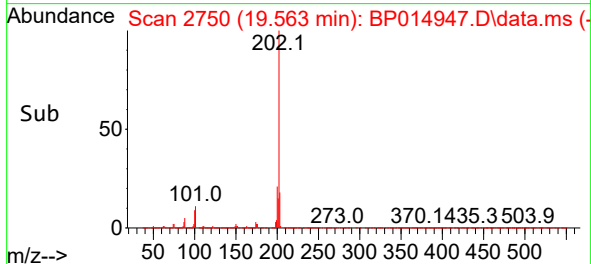
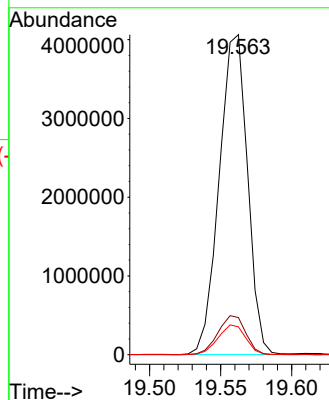
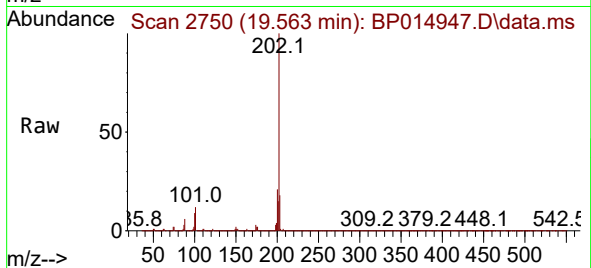
Tgt Ion:202 Resp: 5630615

Ion Ratio Lower Upper

202 100

101 11.6 10.1 15.1

100 8.7 7.7 11.5



#82

Pyrene

Concen: 59.310 ng/ul

RT: 19.915 min Scan# 2810

Delta R.T. 0.005 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

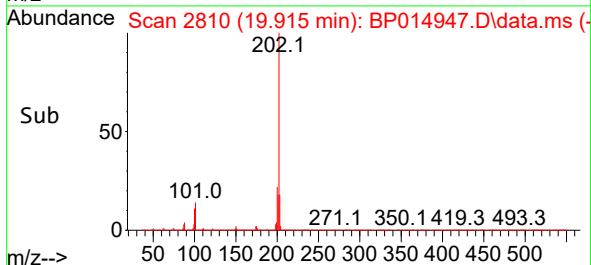
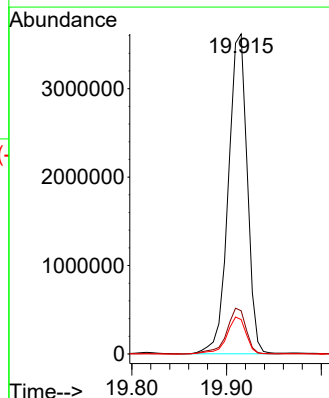
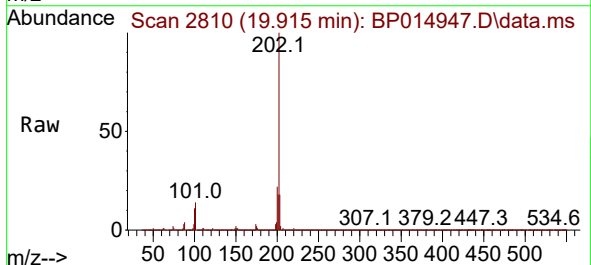
Tgt Ion:202 Resp: 5002821

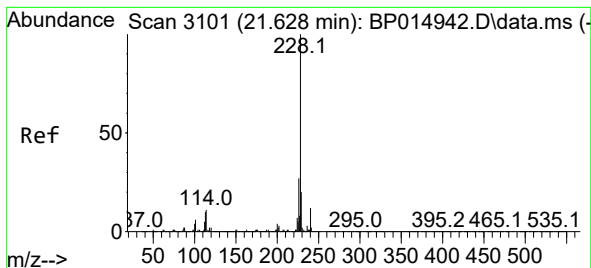
Ion Ratio Lower Upper

202 100

101 13.5 11.9 17.9

100 10.8 9.7 14.5





#85

Benzo(a)anthracene

Concen: 44.873 ng/ul

RT: 21.627 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

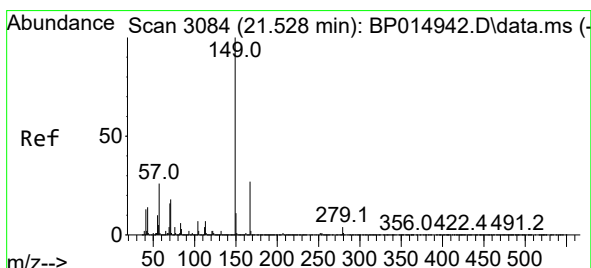
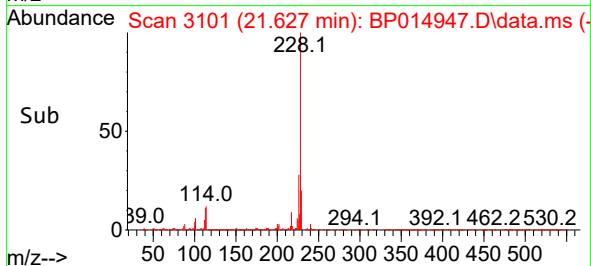
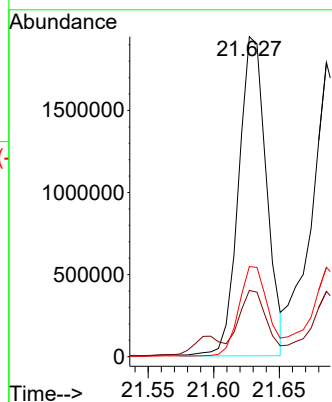
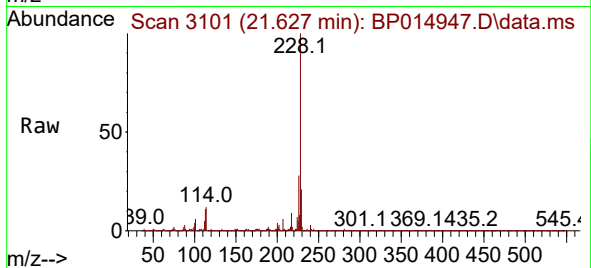
Tgt Ion:228 Resp: 2881324

Ion Ratio Lower Upper

228 100

229 20.7 15.9 23.9

226 28.1 22.1 33.1



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.175 ng/ul

RT: 21.527 min Scan# 3084

Delta R.T. -0.000 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

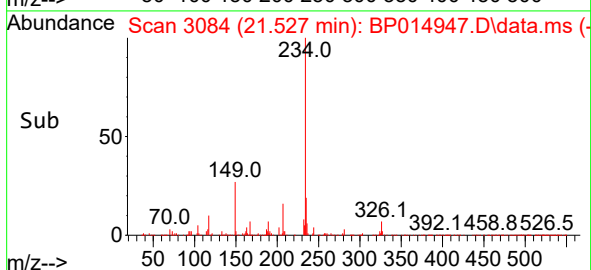
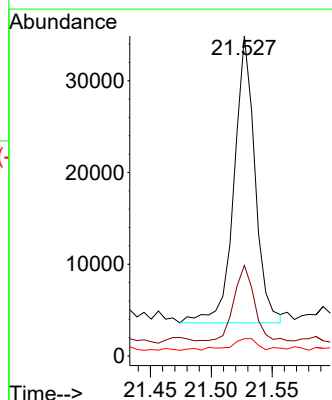
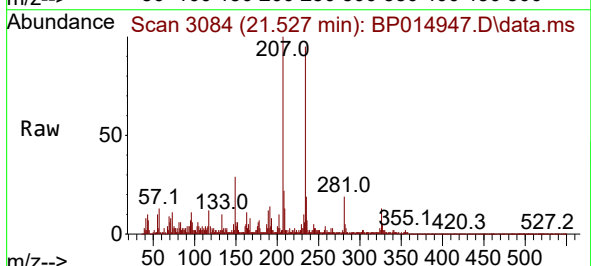
Tgt Ion:149 Resp: 37450

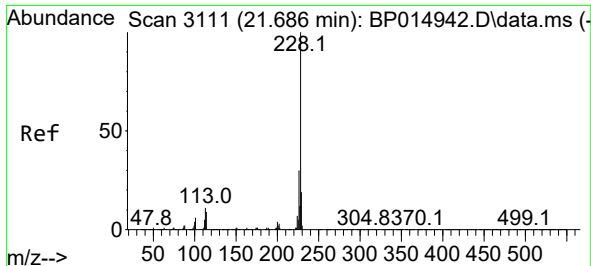
Ion Ratio Lower Upper

149 100

167 28.3 22.0 33.0

279 5.4 2.9 4.3

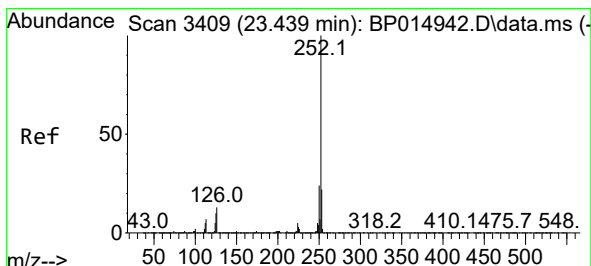
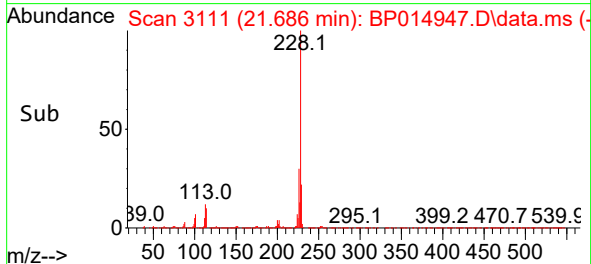
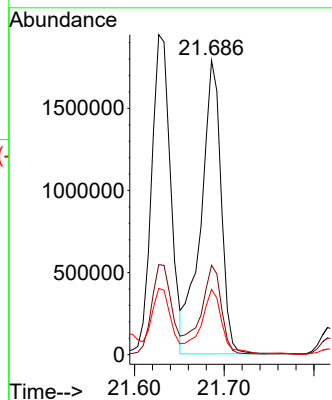
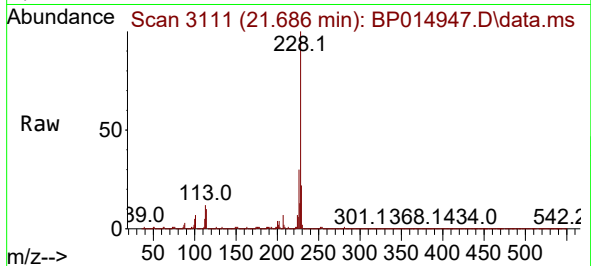




#87
Chrysene
Concen: 43.355 ng/ul
RT: 21.686 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

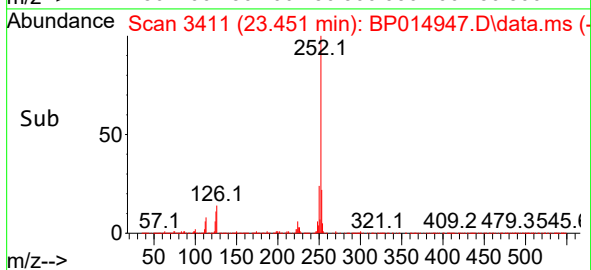
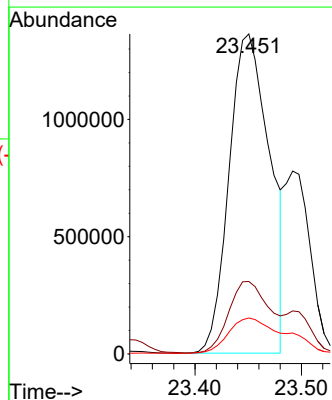
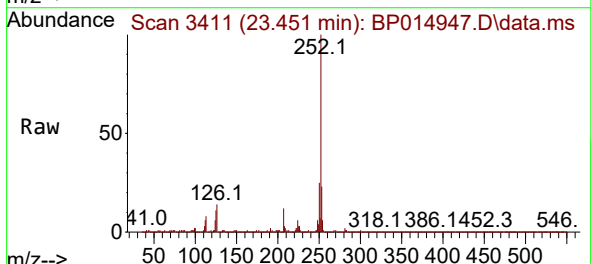
Instrument :
BNA_P
ClientSampleId :
EW916

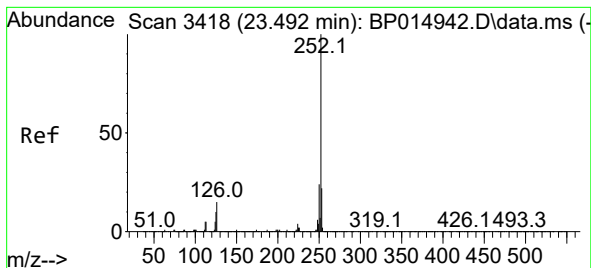
Tgt Ion:228 Resp: 2803070
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 22.2 15.8 23.8



#90
Benzo(b)fluoranthene
Concen: 47.073 ng/ul
RT: 23.451 min Scan# 3411
Delta R.T. 0.011 min
Lab File: BP014947.D
Acq: 04 May 2023 12:13

Tgt Ion:252 Resp: 3612753
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.3 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 46.253 ng/ul

RT: 23.451 min Scan# 3418

Delta R.T. -0.042 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

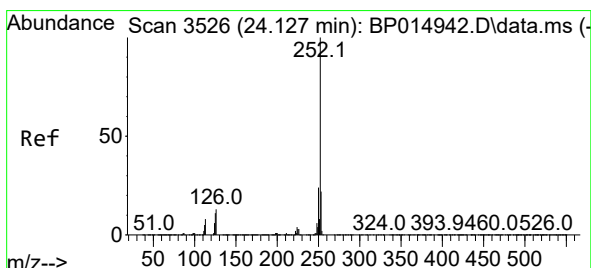
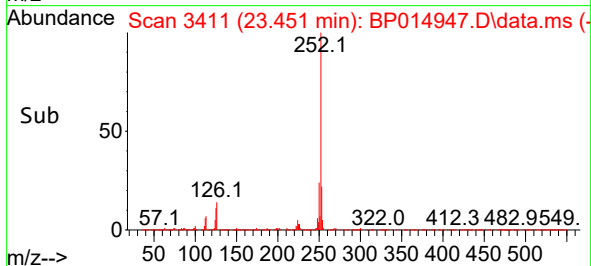
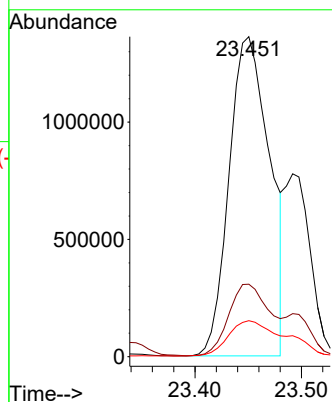
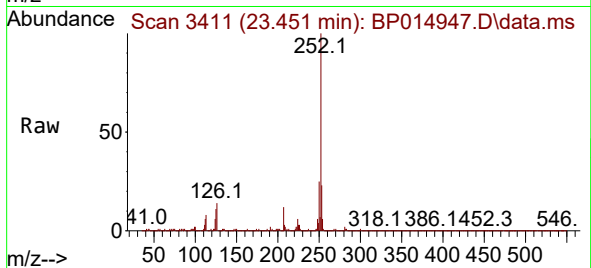
Tgt Ion:252 Resp: 3612753

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.3 8.9 13.3



#93

Benzo(a)pyrene

Concen: 38.630 ng/ul

RT: 24.133 min Scan# 3527

Delta R.T. 0.005 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

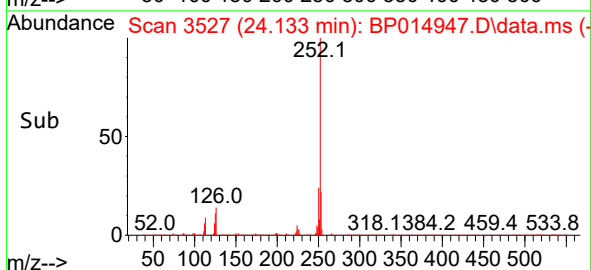
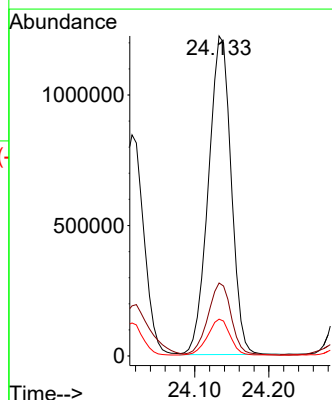
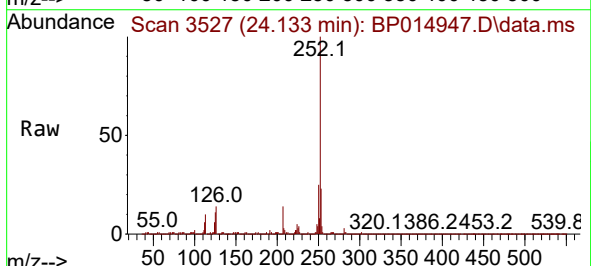
Tgt Ion:252 Resp: 2600127

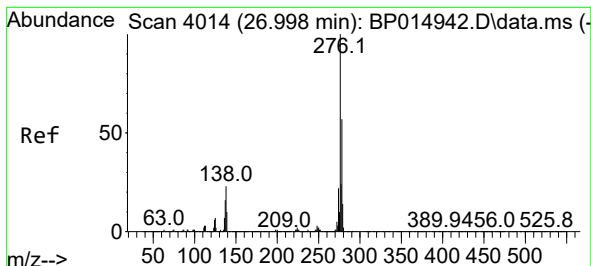
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.5 9.4 14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 22.156 ng/ul

RT: 27.003 min Scan# 4015

Delta R.T. 0.005 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

Instrument :

BNA_P

ClientSampleId :

EW916

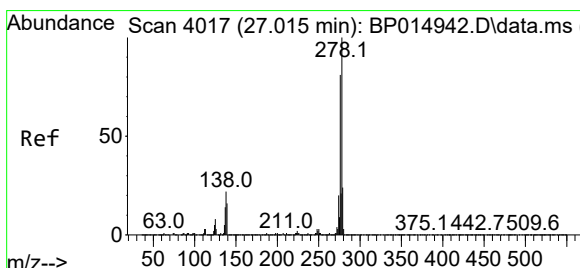
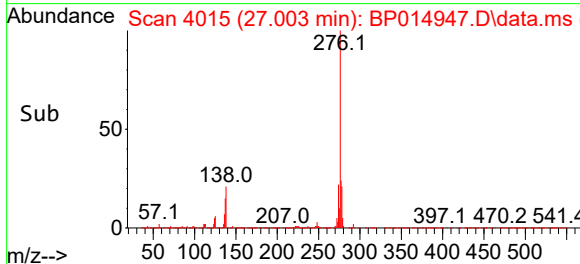
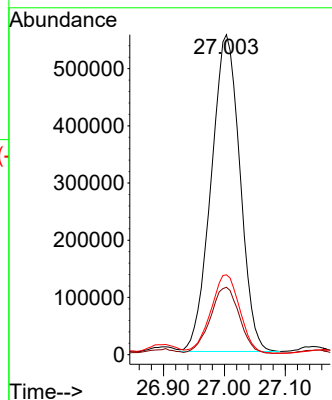
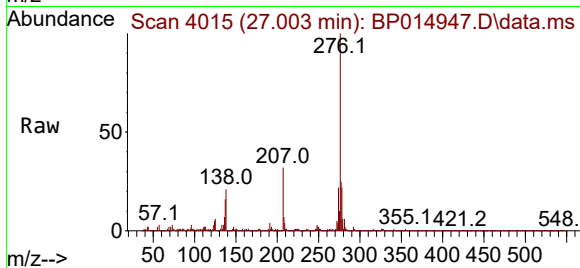
Tgt Ion:276 Resp: 1819039

Ion Ratio Lower Upper

276 100

138 21.0 19.4 29.0

277 25.0 19.4 29.2



#95

Dibenzo(a,h)anthracene

Concen: 2.185 ng/ul

RT: 27.144 min Scan# 4039

Delta R.T. 0.129 min

Lab File: BP014947.D

Acq: 04 May 2023 12:13

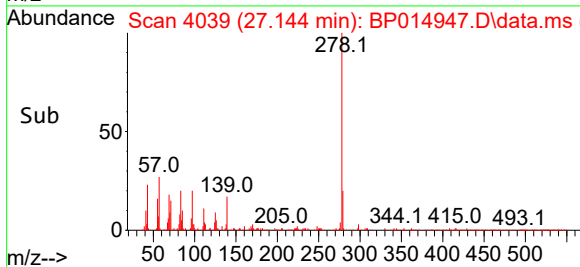
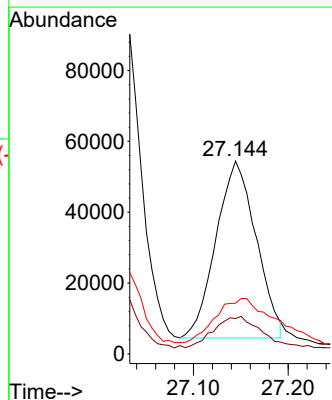
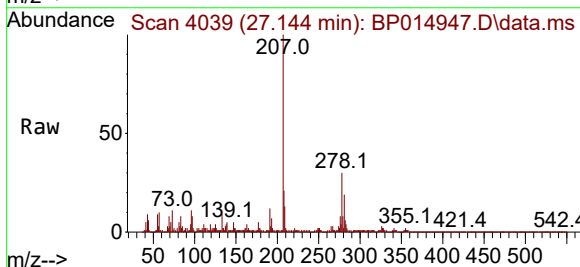
Tgt Ion:278 Resp: 147011

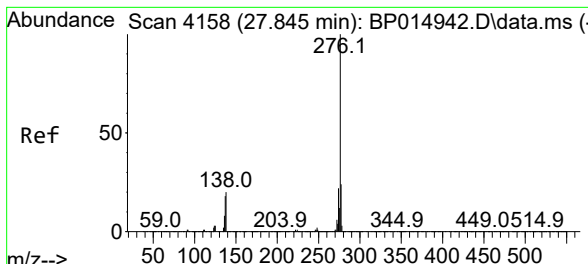
Ion Ratio Lower Upper

278 100

139 18.4 12.9 19.3

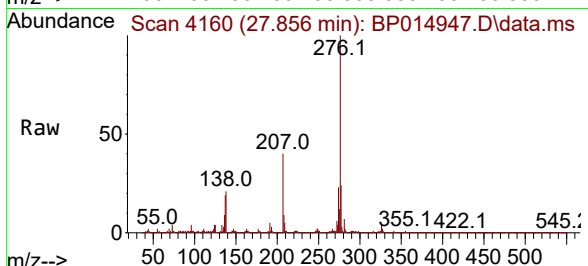
279 26.3 19.0 28.6





#96
 Benzo(g,h,i)perylene
 Concen: 23.193 ng/ul
 RT: 27.856 min Scan# 41
 Delta R.T. 0.011 min
 Lab File: BP014947.D
 Acq: 04 May 2023 12:13

Instrument :
 BNA_P
 ClientSampleId :
 EW916



Tgt Ion:276 Resp: 1620652

Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.0	27.0
277	24.2	19.8	29.8

