

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014946.D
 Acq On : 04 May 2023 11:39
 Operator : CG/JU
 Sample : 02447-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW915

Quant Time: May 04 22:41:37 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	8.164	152	243174	20.000	ng/u1	0.00
20) Naphthalene-d8	10.999	136	877351	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	475650	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	1022538	20.000	ng/u1	0.00
79) Chrysene-d12	21.645	240	1032510	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1247732	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	18390	2.812	ng/uL	0.00
4) Pyridine-d5	3.887	84	492	0.028	ng/u1	-0.01
7) Phenol-d5	7.305	99	303336	14.388	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	198885	15.262	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	253657	16.363	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	214831	13.223	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	113427	18.178	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	120721	18.841	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	216967	17.246	ng/u1	0.00
31) 4-Chloroaniline-d4	11.134	131	140971	7.747	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	626324	18.605	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	767118	19.000	ng/u1	0.00
54) 4-Nitrophenol-d4	14.987	143	43539	7.434	ng/u1	0.00
60) Fluorene-d10	15.798	176	558552	19.285	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.910	200	55761	9.687	ng/u1	0.00
73) Anthracene-d10	17.663	188	883031	19.220	ng/u1	0.00
81) Pyrene-d10	19.881	212	1102490	15.832	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.074	264	1207777	19.867	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.293	77	15825	2.745	ng/u1#	22
8) Phenol	7.334	94	711261	32.134	ng/u1	98
13) 2-Methylphenol	8.605	108	19783	1.199	ng/u1	94
16) Acetophenone	8.999	105	147330	5.546	ng/u1	96
19) Hexachloroethane	9.281	117	13890	1.906	ng/u1#	8
26) 2,4-Dimethylphenol	10.163	107	53946	3.373	ng/u1#	46
30) Naphthalene	11.052	128	152332	3.159	ng/u1	98
36) 2-Methylnaphthalene	12.646	142	99428	3.334	ng/u1	96
37) 1-Methylnaphthalene	12.863	142	84557	2.751	ng/u1#	99
43) 1,1'-Biphenyl	13.646	154	44827	1.179	ng/u1	99
50) Acenaphthylene	14.534	152	148150	3.237	ng/u1	98
52) Acenaphthene	14.875	153	84880	2.680	ng/u1	99
56) Dibenzofuran	15.204	168	146738	3.433	ng/u1	99
61) Fluorene	15.857	166	186379	5.528	ng/u1	98
72) Phenanthrene	17.610	178	2762518	48.902	ng/u1	99
74) Anthracene	17.698	178	671735	11.944	ng/u1	99
77) Carbazole	17.957	167	146699	3.101	ng/u1	99
80) Fluoranthene	19.557	202	4578216	53.577	ng/u1	100
82) Pyrene	19.910	202	3772538	41.671	ng/u1	99
85) Benzo(a)anthracene	21.627	228	2218188	32.186	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.528	149	45406	1.328	ng/u1#	95
87) Chrysene	21.686	228	2048556	29.521	ng/u1	98
90) Benzo(b)fluoranthene	23.445	252	2685326	33.301	ng/u1	97
91) Benzo(k)fluoranthene	23.445	252	2685326	32.720	ng/u1	98

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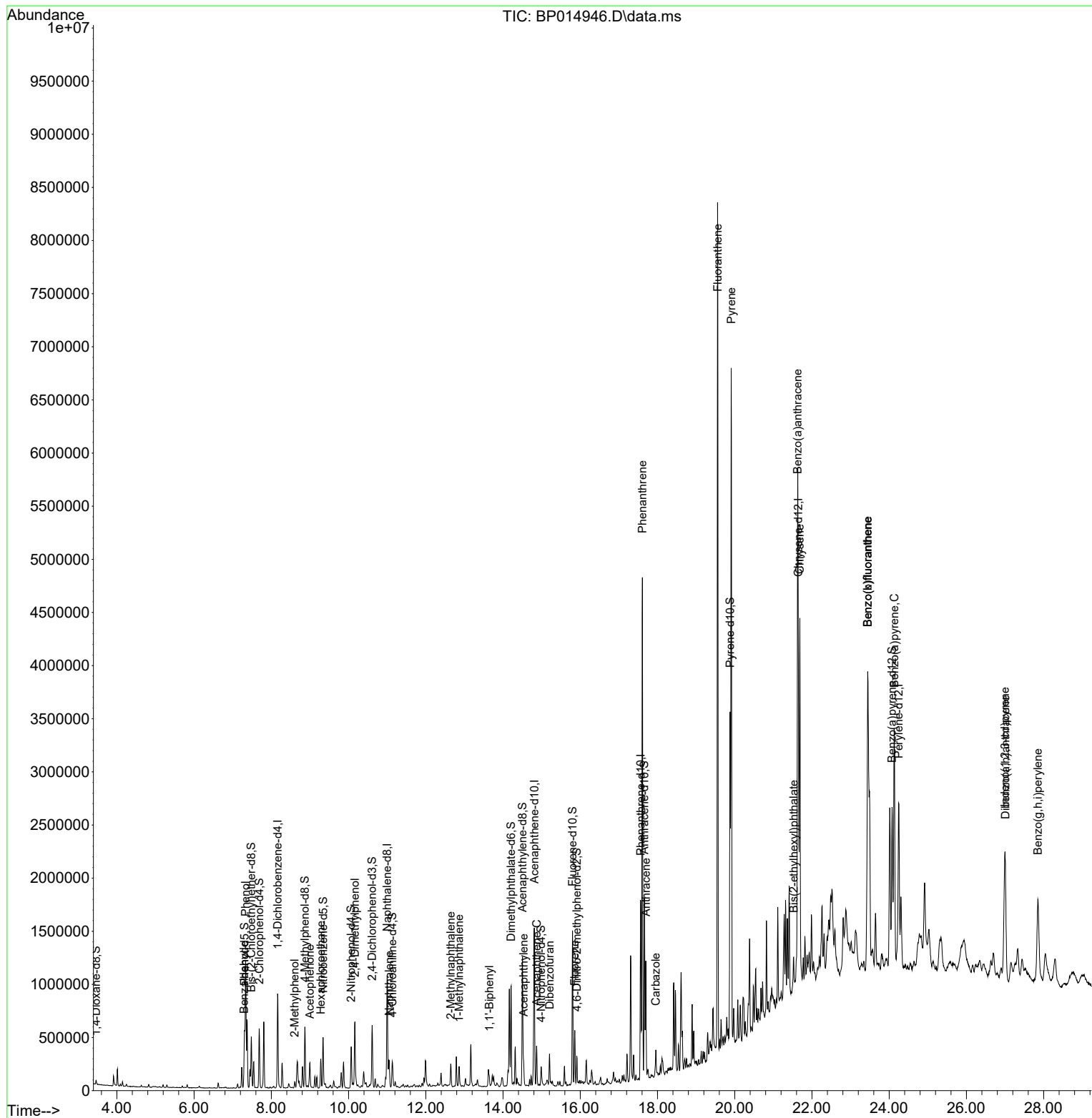
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(a)pyrene	24.133	252	1813963	25.650	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.998	276	1257167	14.573	ng/ul	96
95) Dibenzo(a,h)anthracene	27.010	278	348457	4.928	ng/ul	93
96) Benzo(g,h,i)perylene	27.851	276	1089714	14.842	ng/ul	99

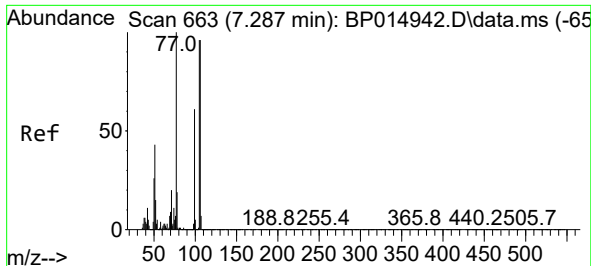
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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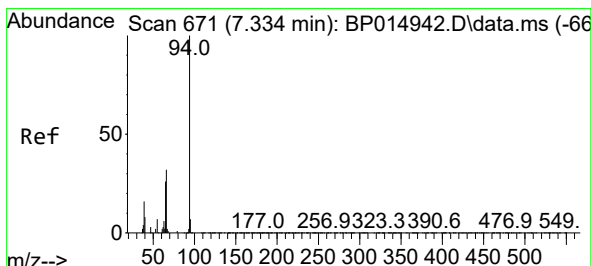
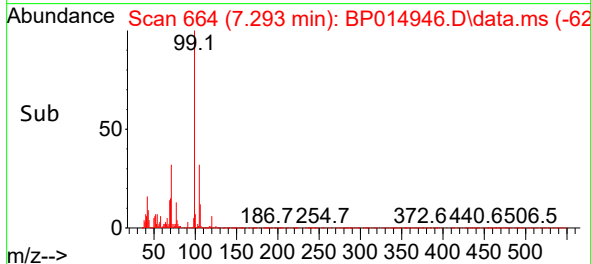
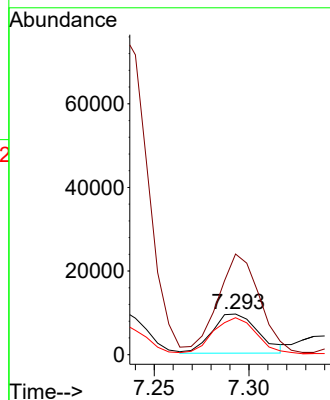
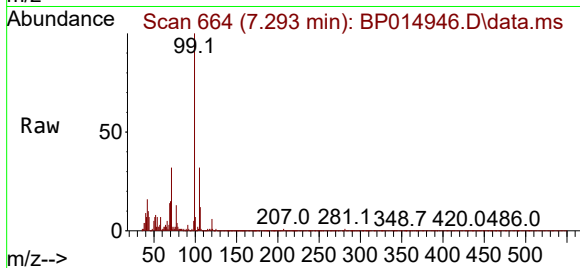




#6
Benzaldehyde
Concen: 2.745 ng/ul
RT: 7.293 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

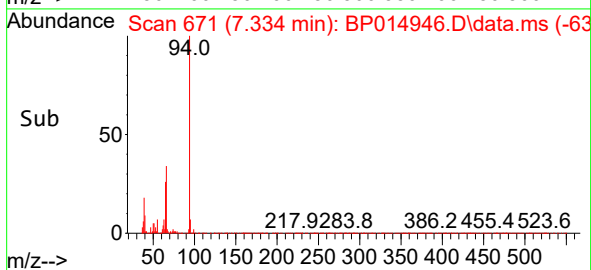
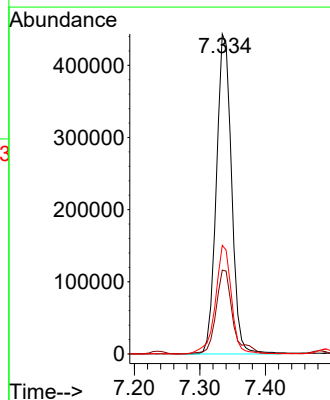
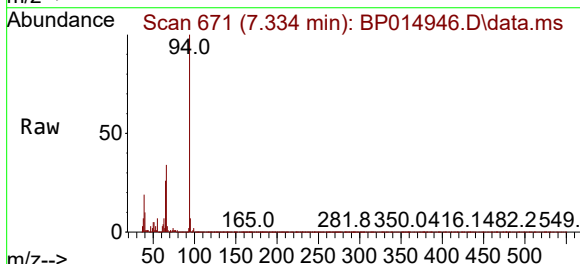
Instrument :
BNA_P
ClientSampleId :
EW915

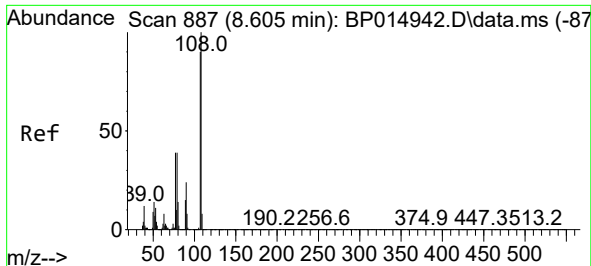
Tgt Ion: 77 Resp: 15825
Ion Ratio Lower Upper
77 100
105 248.0 80.7 121.1#
106 91.2 77.6 116.4



#8
Phenol
Concen: 32.134 ng/ul
RT: 7.334 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion: 94 Resp: 711261
Ion Ratio Lower Upper
94 100
65 26.2 21.4 32.0
66 33.9 25.8 38.8

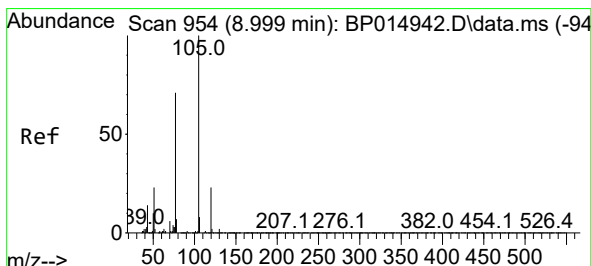
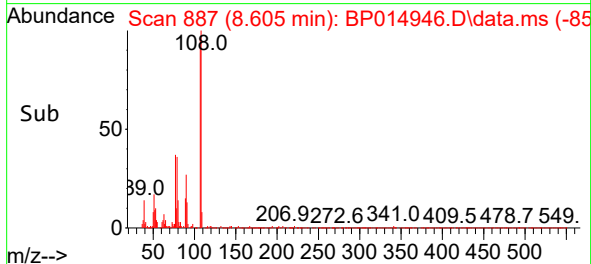
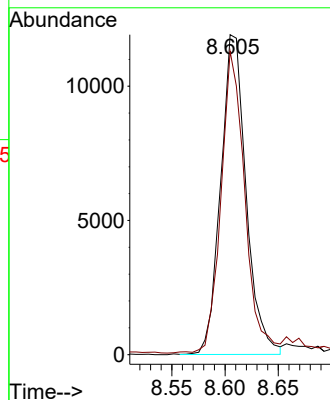
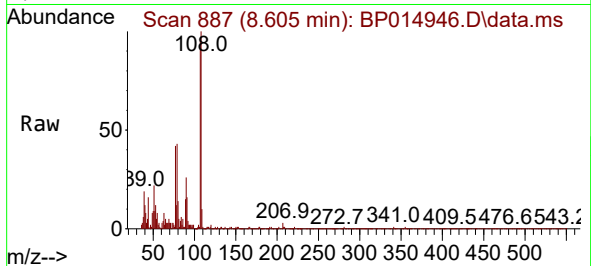




#13
2-Methylphenol
Concen: 1.199 ng/ul
RT: 8.605 min Scan# 887
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

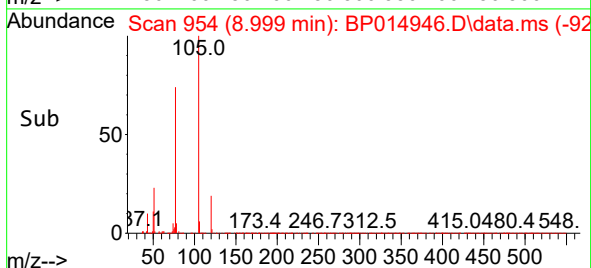
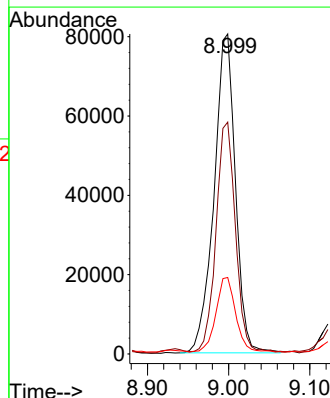
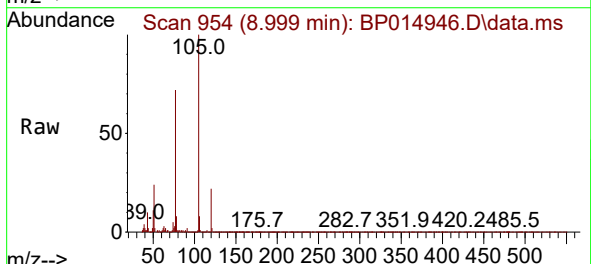
Instrument :
BNA_P
ClientSampleId :
EW915

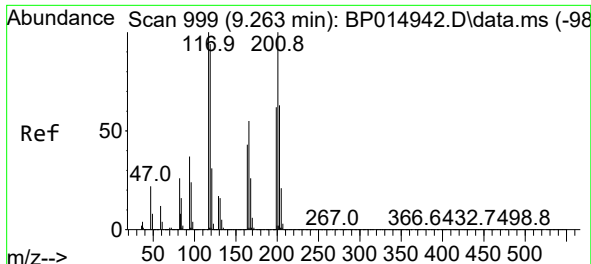
Tgt Ion:108 Resp: 19783
Ion Ratio Lower Upper
108 100
107 94.8 71.7 107.5



#16
Acetophenone
Concen: 5.546 ng/ul
RT: 8.999 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:105 Resp: 147330
Ion Ratio Lower Upper
105 100
77 72.5 61.2 91.8
51 23.9 19.4 29.2





#19

Hexachloroethane

Concen: 1.906 ng/ul

RT: 9.281 min Scan# 1002

Delta R.T. 0.018 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

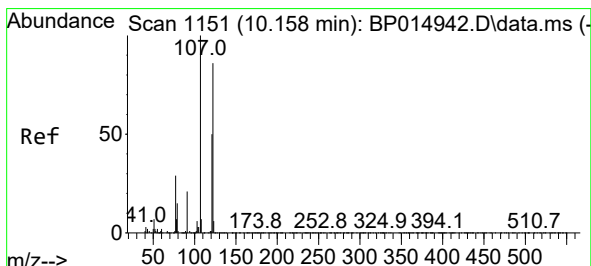
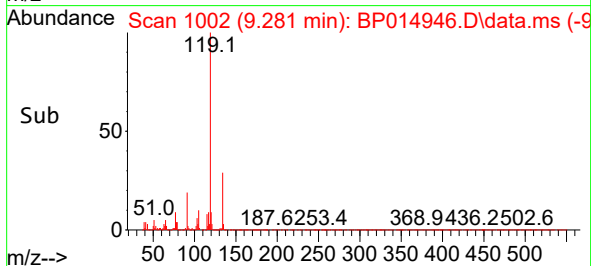
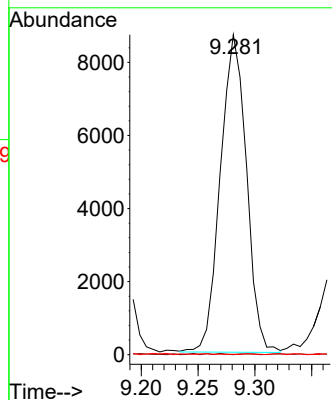
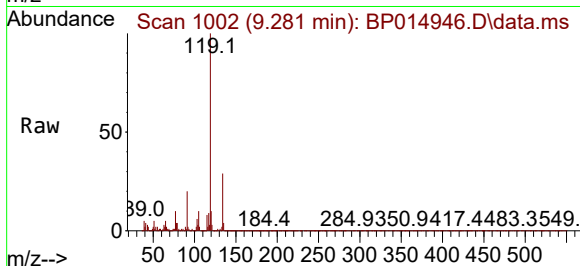
Tgt Ion:117 Resp: 13890

Ion Ratio Lower Upper

117 100

201 0.0 78.9 118.3#

199 0.1 48.3 72.5#



#26

2,4-Dimethylphenol

Concen: 3.373 ng/ul

RT: 10.163 min Scan# 1152

Delta R.T. 0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

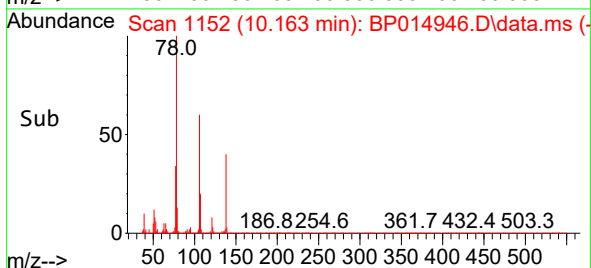
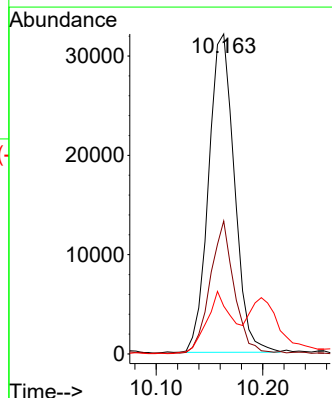
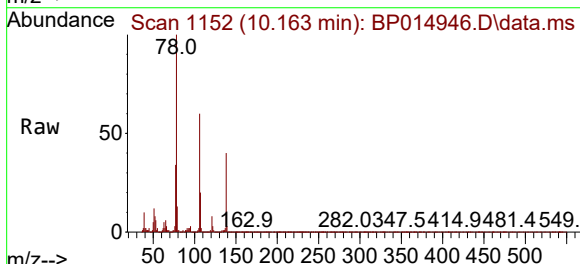
Tgt Ion:107 Resp: 53946

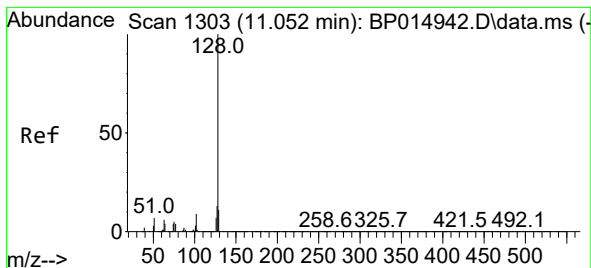
Ion Ratio Lower Upper

107 100

121 41.5 40.2 60.2

122 14.9 69.6 104.4#

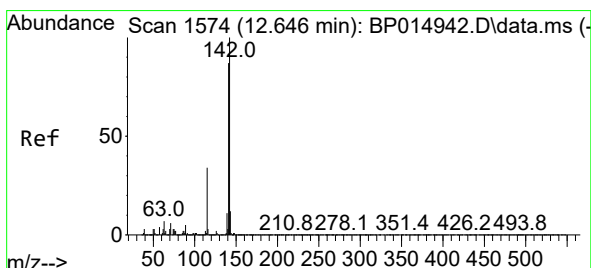
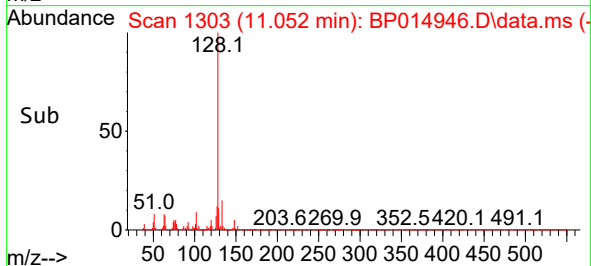
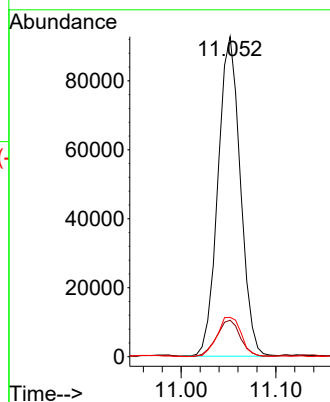
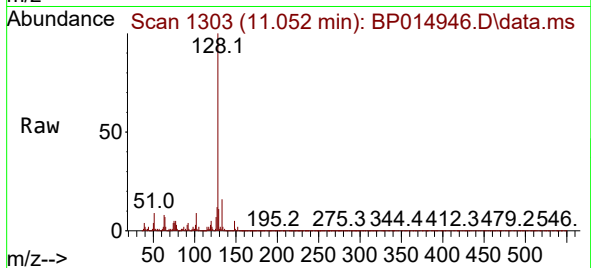




#30
Naphthalene
Concen: 3.159 ng/ul
RT: 11.052 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

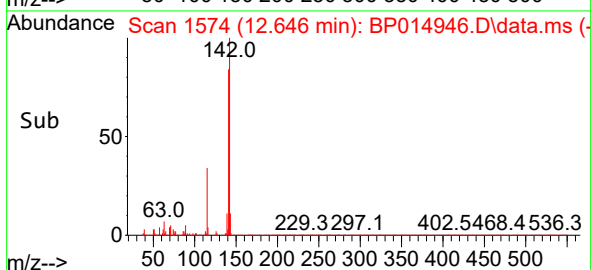
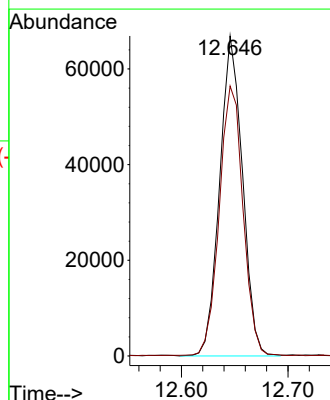
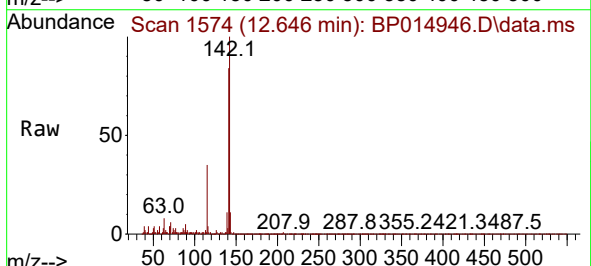
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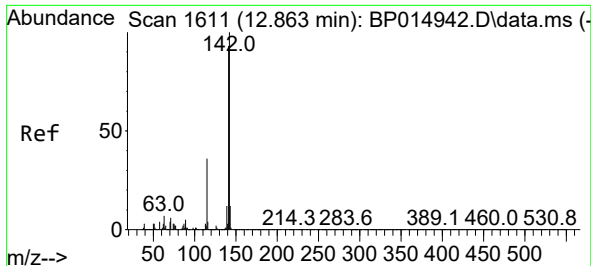
Tgt Ion:128 Resp: 152332
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 12.3 10.4 15.6



#36
2-Methylnaphthalene
Concen: 3.334 ng/ul
RT: 12.646 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:142 Resp: 99428
Ion Ratio Lower Upper
142 100
141 84.4 70.5 105.7

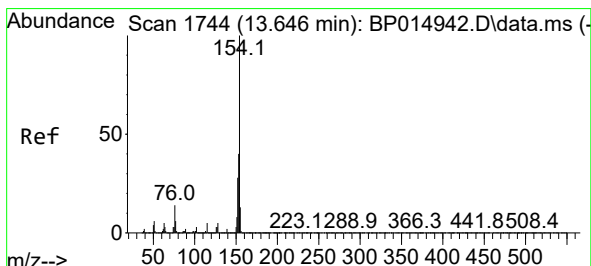
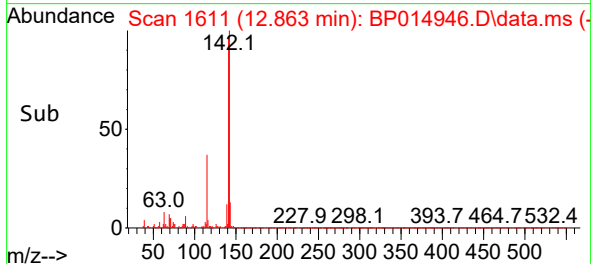
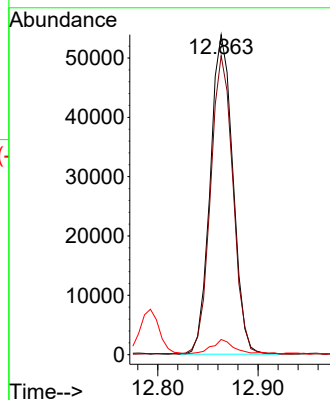
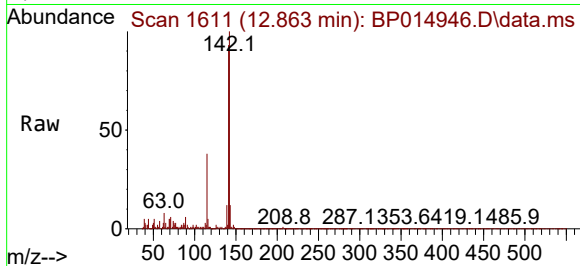




#37
1-Methylnaphthalene
Concen: 2.751 ng/ul
RT: 12.863 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

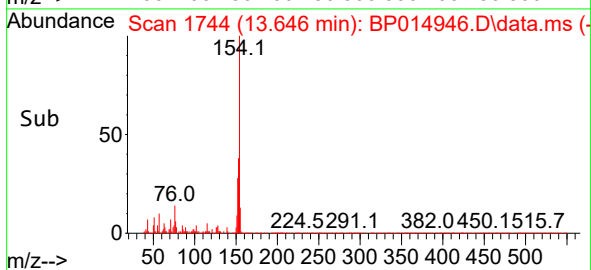
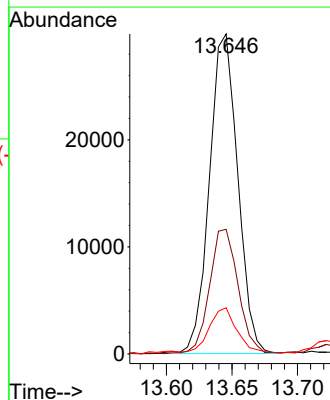
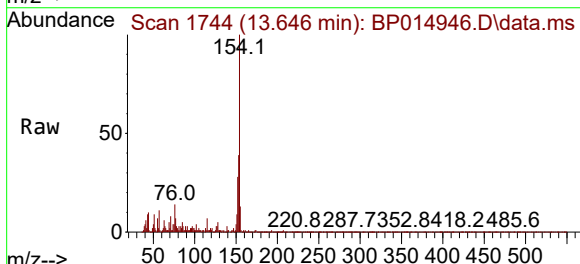
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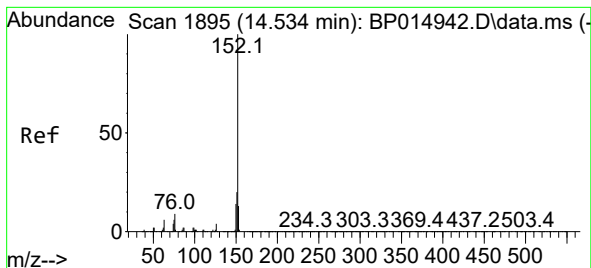
Tgt Ion:142 Resp: 84557
Ion Ratio Lower Upper
142 100
141 93.4 74.4 111.6
116 4.8 2.9 4.3#



#43
1,1'-Biphenyl
Concen: 1.179 ng/ul
RT: 13.646 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:154 Resp: 44827
Ion Ratio Lower Upper
154 100
153 38.9 31.9 47.9
76 14.5 11.3 16.9





#50

Acenaphthylene

Concen: 3.237 ng/ul

RT: 14.534 min Scan# 1895

Delta R.T. 0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

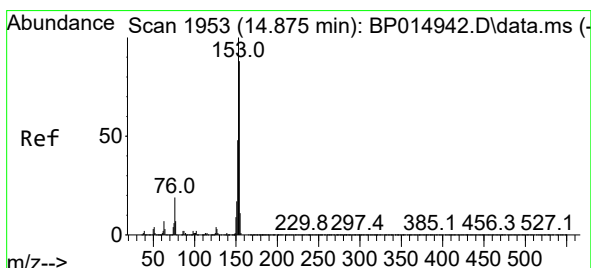
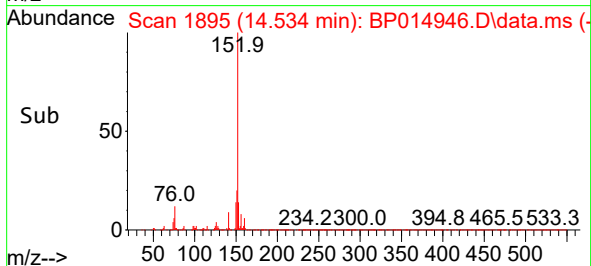
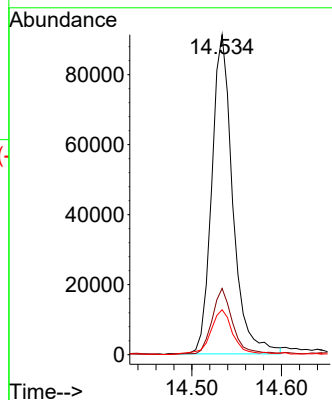
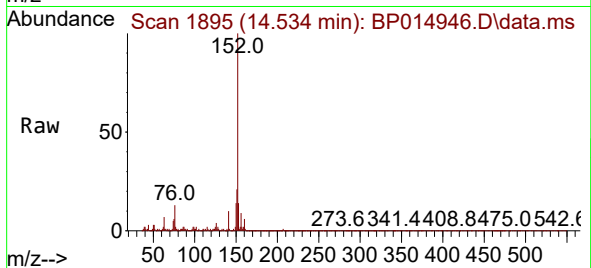
Tgt Ion:152 Resp: 148150

Ion Ratio Lower Upper

152 100

151 20.7 16.1 24.1

153 14.0 10.4 15.6



#52

Acenaphthene

Concen: 2.680 ng/ul

RT: 14.875 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

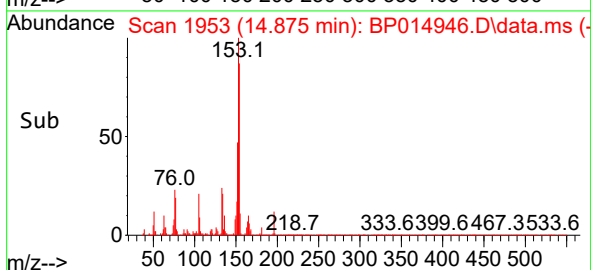
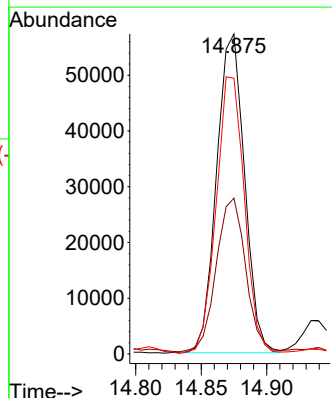
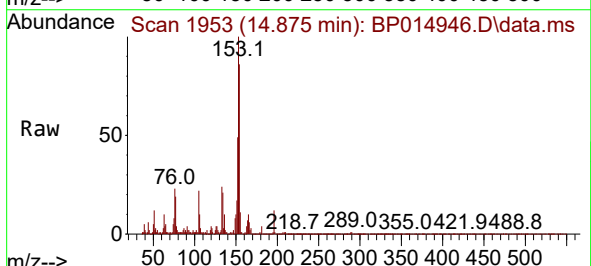
Tgt Ion:153 Resp: 84880

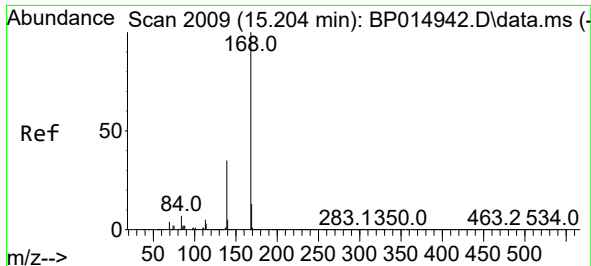
Ion Ratio Lower Upper

153 100

152 48.7 38.8 58.2

154 86.1 69.6 104.4

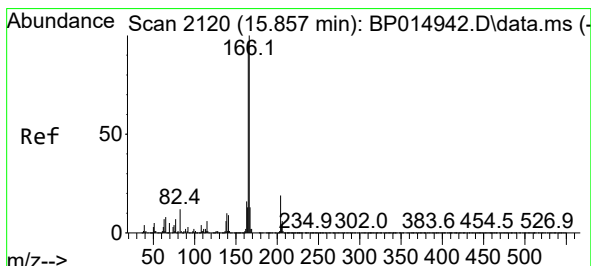
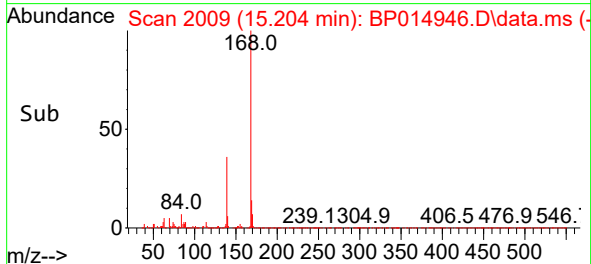
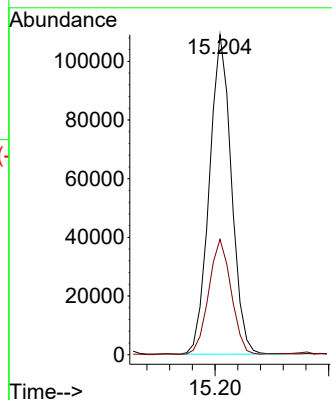
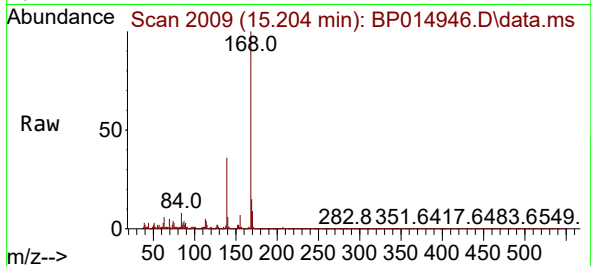




#56
Dibenzenofuran
Concen: 3.433 ng/ul
RT: 15.204 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

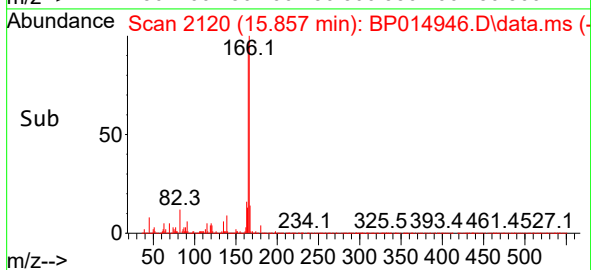
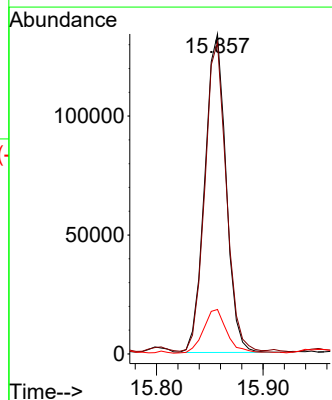
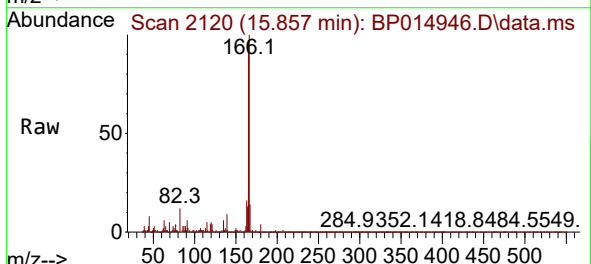
Instrument :
BNA_P
ClientSampleId :
EW915

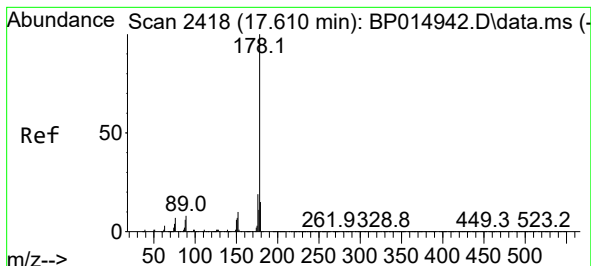
Tgt Ion:168 Resp: 146738
Ion Ratio Lower Upper
168 100
139 36.1 28.6 42.8



#61
Fluorene
Concen: 5.528 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:166 Resp: 186379
Ion Ratio Lower Upper
166 100
165 97.4 79.3 118.9
167 13.9 10.7 16.1





#72

Phenanthrene

Concen: 48.902 ng/ul

RT: 17.610 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

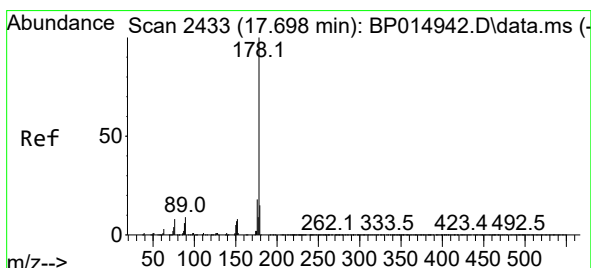
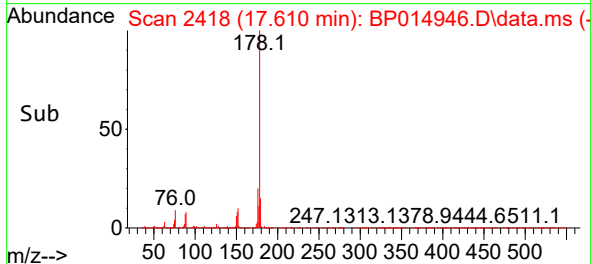
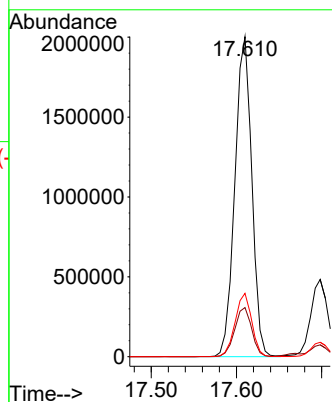
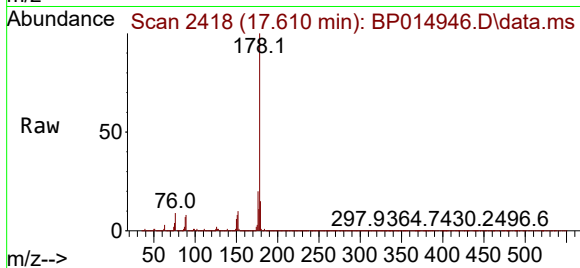
Tgt Ion:178 Resp: 2762518

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

176 19.8 15.4 23.0



#74

Anthracene

Concen: 11.944 ng/ul

RT: 17.698 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

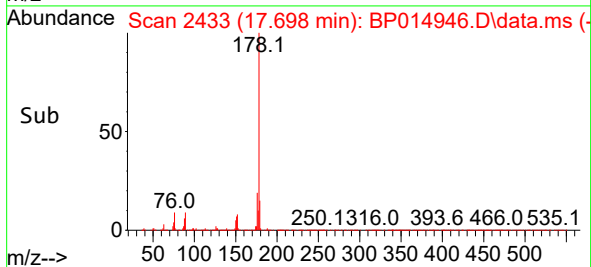
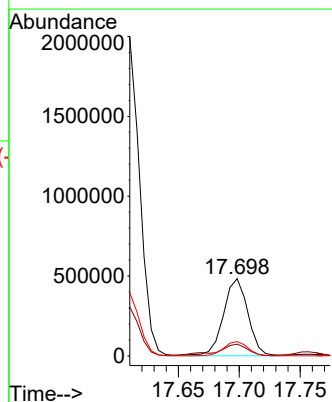
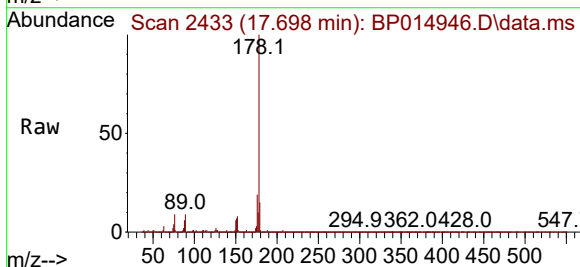
Tgt Ion:178 Resp: 671735

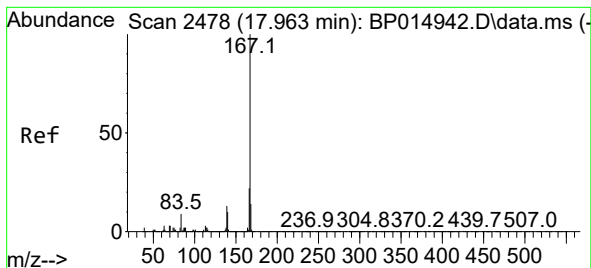
Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.6 15.0 22.4





#77

Carbazole

Concen: 3.101 ng/ul

RT: 17.957 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

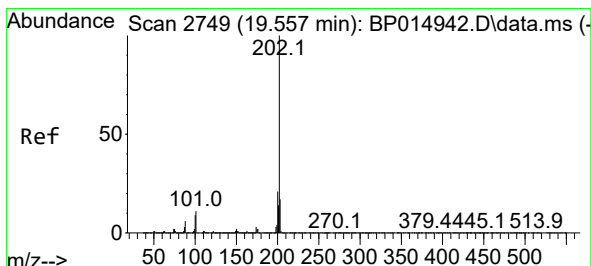
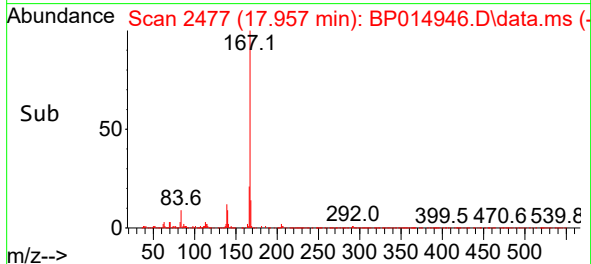
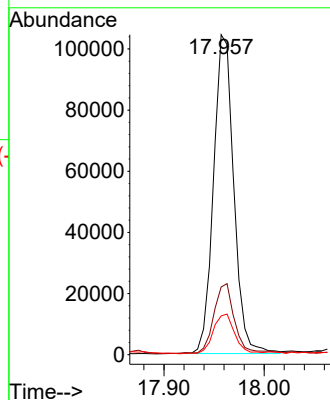
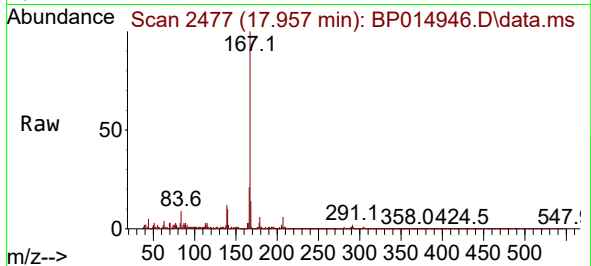
Tgt Ion:167 Resp: 146699

Ion Ratio Lower Upper

167 100

166 21.2 17.1 25.7

139 12.1 10.1 15.1



#80

Fluoranthene

Concen: 53.577 ng/ul

RT: 19.557 min Scan# 2749

Delta R.T. 0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

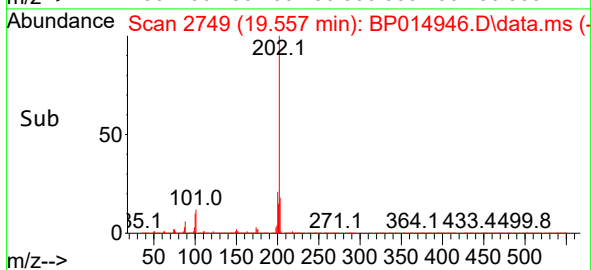
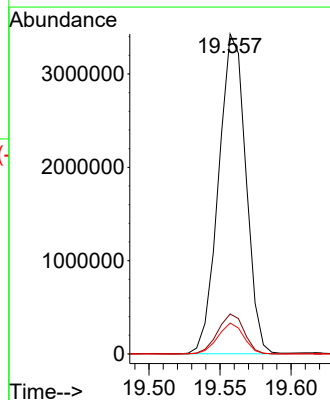
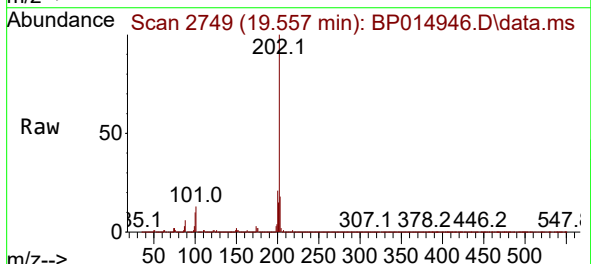
Tgt Ion:202 Resp: 4578216

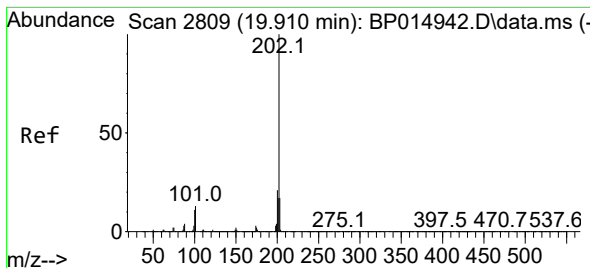
Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

100 9.6 7.7 11.5





#82

Pyrene

Concen: 41.671 ng/ul

RT: 19.910 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

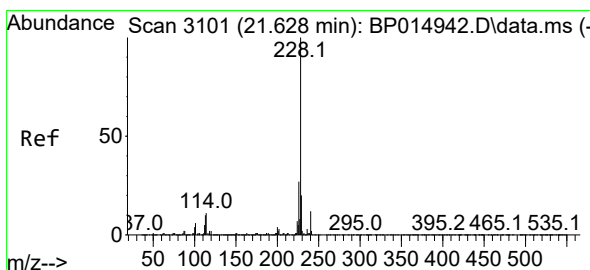
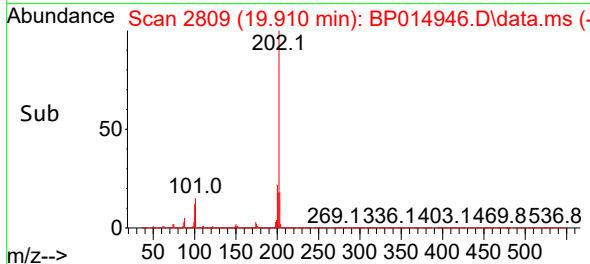
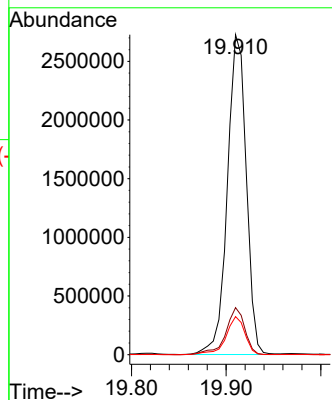
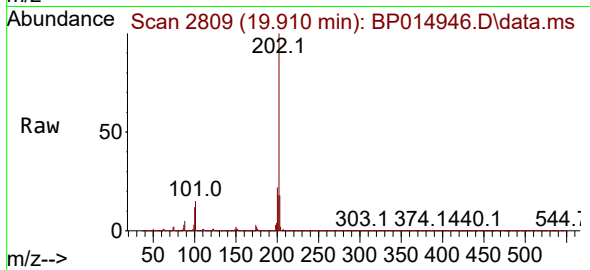
Tgt Ion:202 Resp: 3772538

Ion Ratio Lower Upper

202 100

101 14.7 11.9 17.9

100 11.9 9.7 14.5



#85

Benzo(a)anthracene

Concen: 32.186 ng/ul

RT: 21.627 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

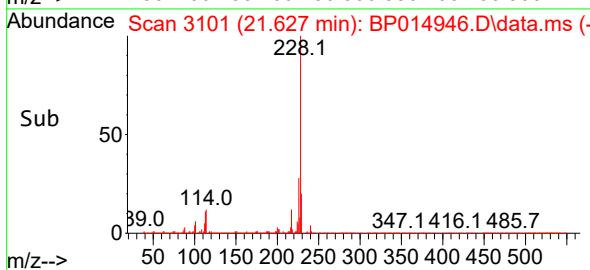
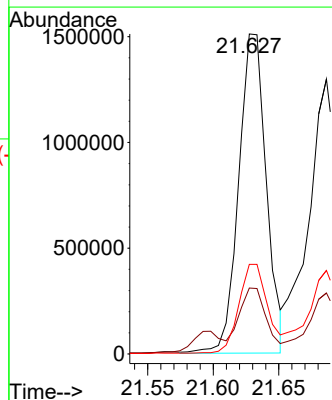
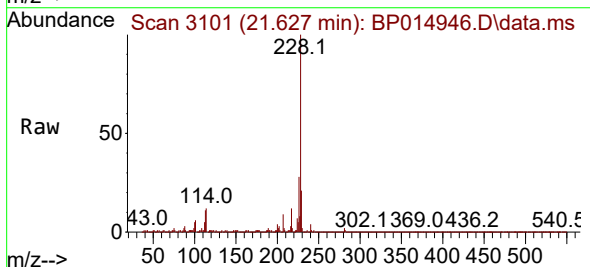
Tgt Ion:228 Resp: 2218188

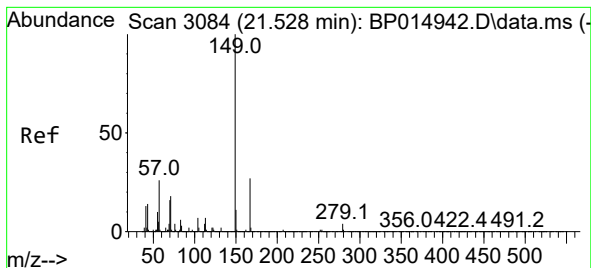
Ion Ratio Lower Upper

228 100

229 20.6 15.9 23.9

226 28.0 22.1 33.1

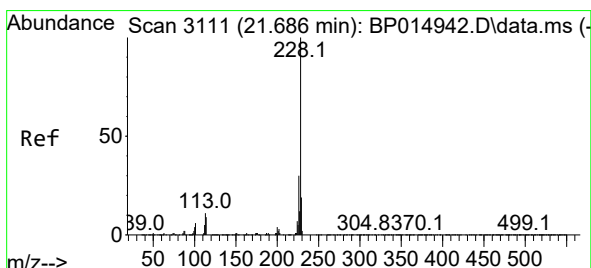
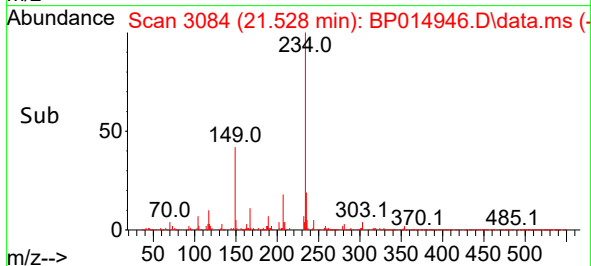
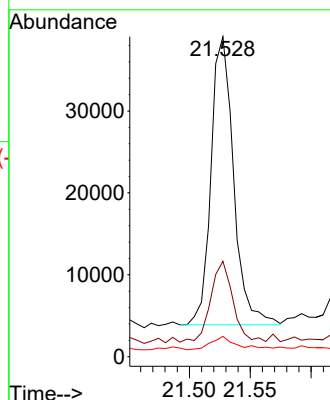
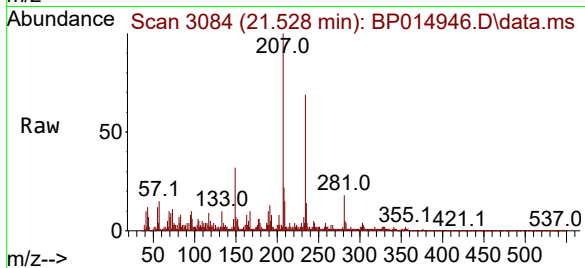




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.328 ng/ul
 RT: 21.528 min Scan# 3084
 Delta R.T. 0.000 min
 Lab File: BP014946.D
 Acq: 04 May 2023 11:39

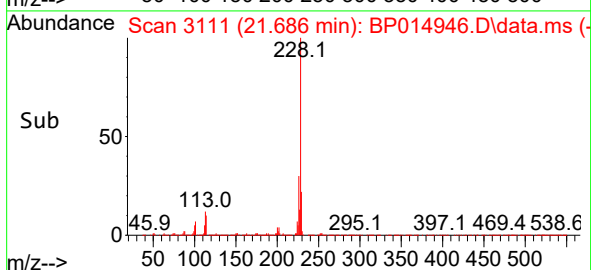
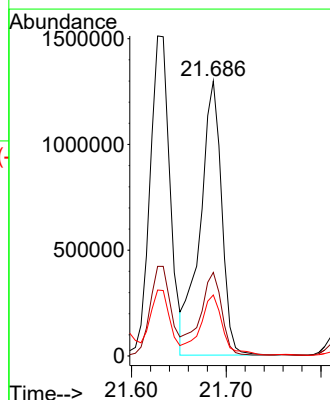
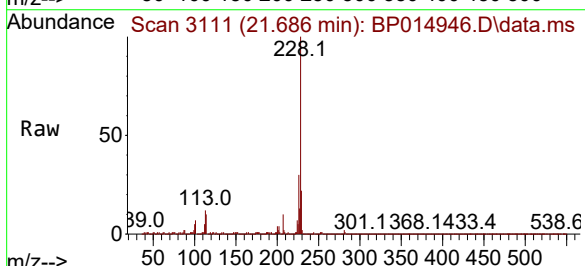
Instrument :
 BNA_P
 ClientSampleId :
 EW915

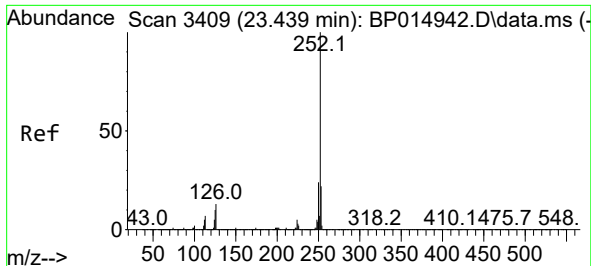
Tgt Ion:149 Resp: 45406
 Ion Ratio Lower Upper
 149 100
 167 29.8 22.0 33.0
 279 6.3 2.9 4.3#



#87
 Chrysene
 Concen: 29.521 ng/ul
 RT: 21.686 min Scan# 3111
 Delta R.T. 0.000 min
 Lab File: BP014946.D
 Acq: 04 May 2023 11:39

Tgt Ion:228 Resp: 2048556
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.3 36.5
 229 22.2 15.8 23.8

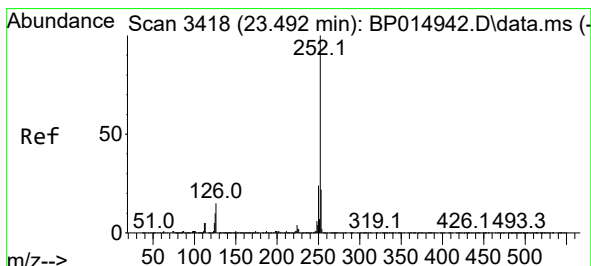
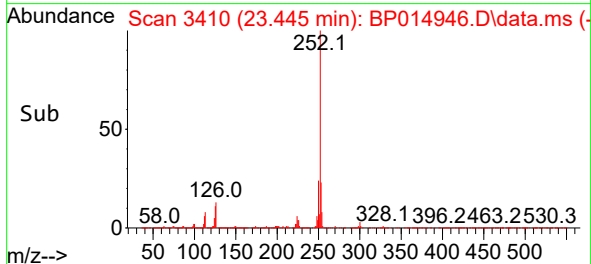
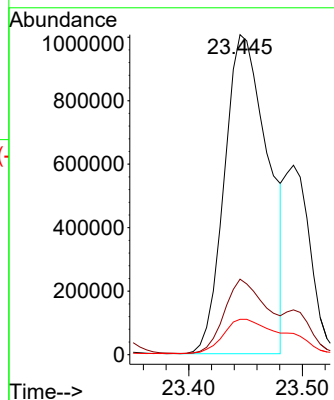
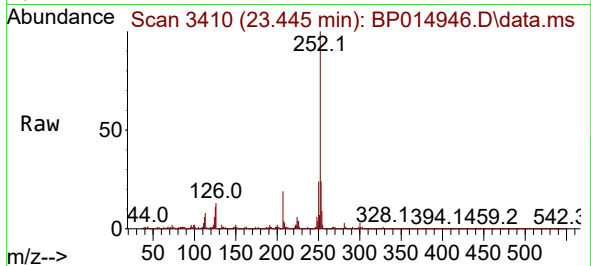




#90
Benzo(b)fluoranthene
Concen: 33.301 ng/ul
RT: 23.445 min Scan# 3410
Delta R.T. 0.006 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

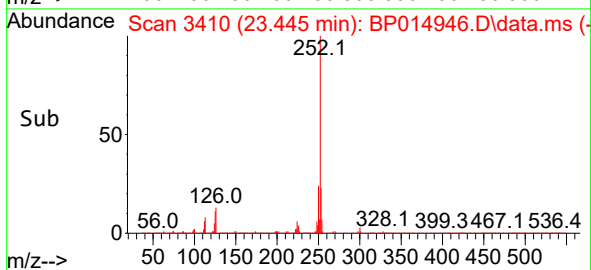
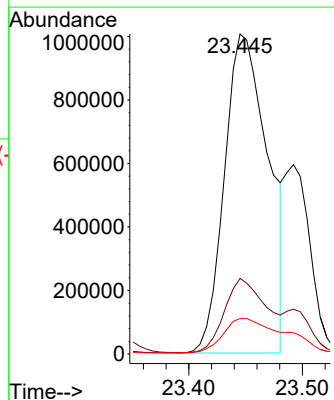
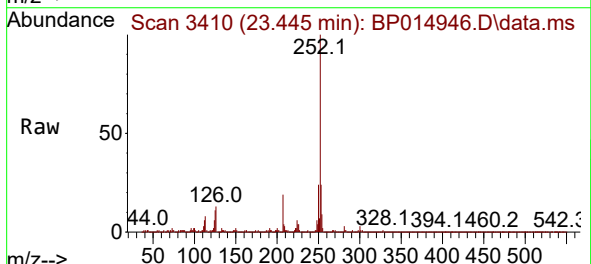
Instrument :
BNA_P
ClientSampleId :
EW915

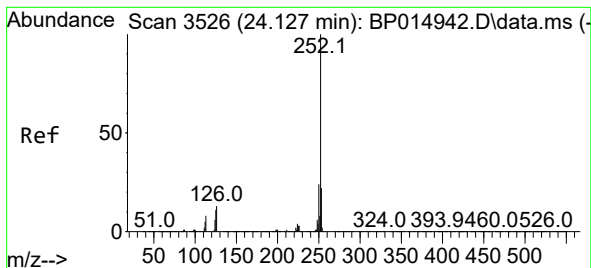
Tgt Ion:252 Resp: 2685326
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 11.1 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 32.720 ng/ul
RT: 23.445 min Scan# 3410
Delta R.T. -0.047 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:252 Resp: 2685326
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 11.1 8.9 13.3





#93

Benzo(a)pyrene

Concen: 25.650 ng/ul

RT: 24.133 min Scan# 3526

Delta R.T. 0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

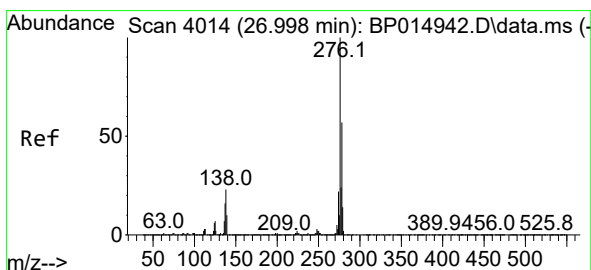
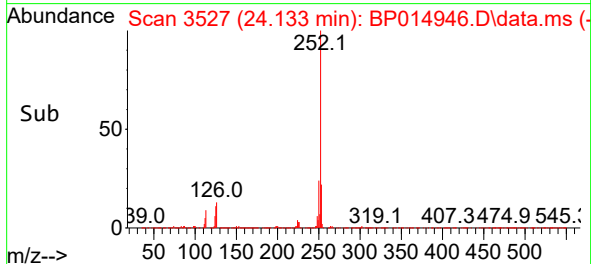
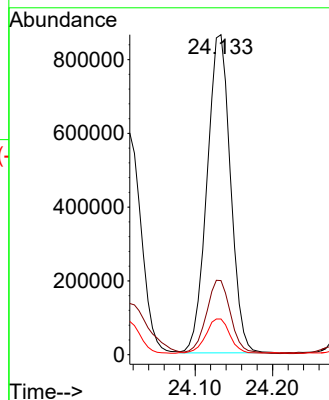
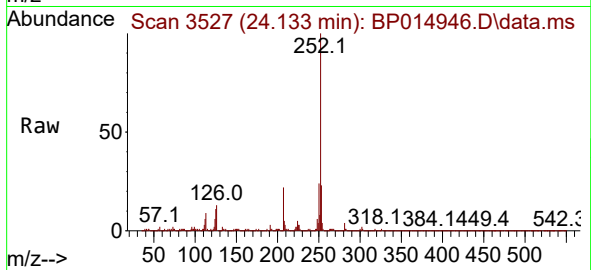
Tgt Ion:252 Resp: 1813963

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.2 9.4 14.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 14.573 ng/ul

RT: 26.998 min Scan# 4014

Delta R.T. 0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

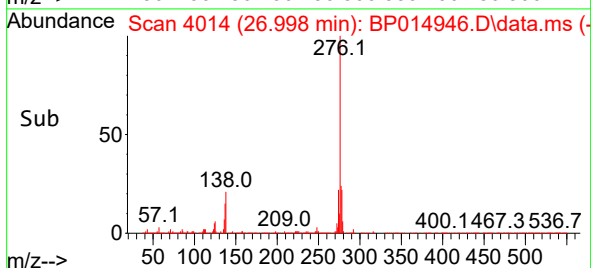
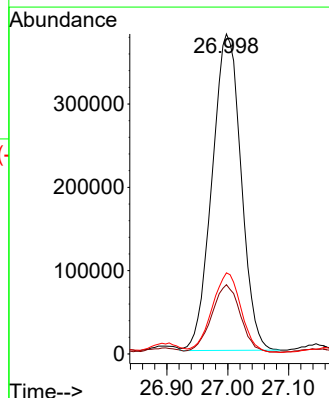
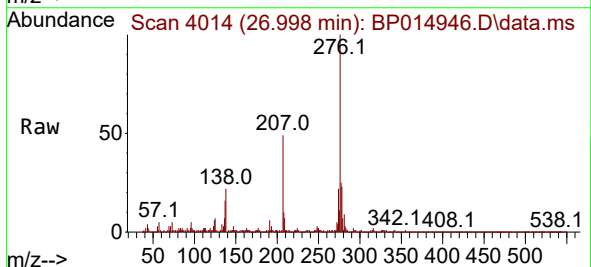
Tgt Ion:276 Resp: 1257167

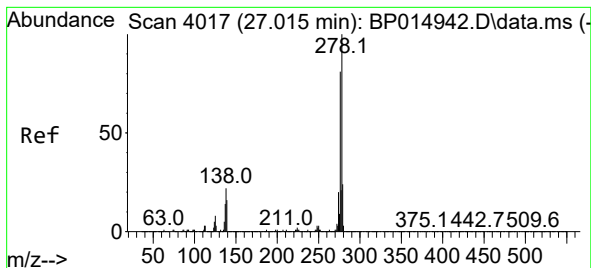
Ion Ratio Lower Upper

276 100

138 21.7 19.4 29.0

277 25.4 19.4 29.2





#95

Dibenzo(a,h)anthracene

Concen: 4.928 ng/ul

RT: 27.010 min Scan# 4017

Delta R.T. -0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

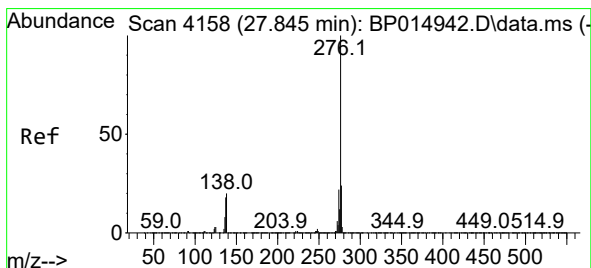
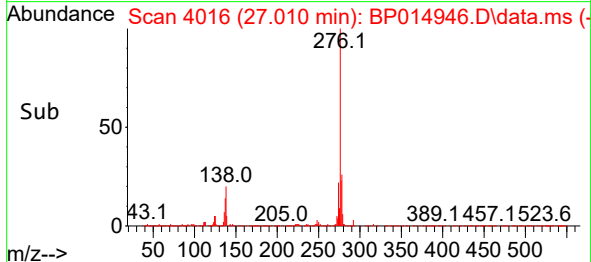
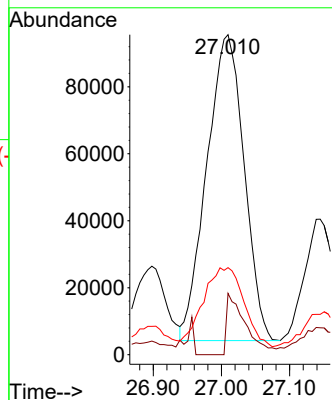
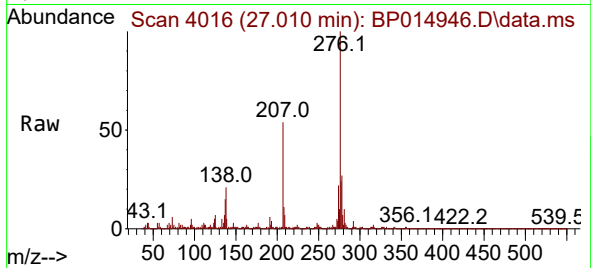
Tgt Ion:278 Resp: 348457

Ion Ratio Lower Upper

278 100

139 19.2 12.9 19.3

279 27.2 19.0 28.6



#96

Benzo(g,h,i)perylene

Concen: 14.842 ng/ul

RT: 27.851 min Scan# 4159

Delta R.T. 0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Tgt Ion:276 Resp: 1089714

Ion Ratio Lower Upper

276 100

138 21.1 18.0 27.0

277 24.8 19.8 29.8

