

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014966.D
 Acq On : 04 May 2023 22:48
 Operator : CG/JU
 Sample : 02479-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW943

Quant Time: May 05 00:21:09 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	383344	20.000	ng/ul	0.00
20) Naphthalene-d8	10.999	136	1589551	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.810	164	869984	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.563	188	1428799	20.000	ng/ul	0.00
79) Chrysene-d12	21.645	240	1037636	20.000	ng/ul	0.00
88) Perylene-d12	24.251	264	1292118	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	21165	2.053	ng/uL	0.00
4) Pyridine-d5	3.899	84	329	0.012	ng/ul	0.00
7) Phenol-d5	7.311	99	376115	11.317	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	242356	11.798	ng/ul	0.00
11) 2-Chlorophenol-d4	7.687	132	303426	12.416	ng/ul	0.00
15) 4-Methylphenol-d8	8.869	113	290116	11.327	ng/ul	0.00
21) Nitrobenzene-d5	9.340	128	150635	13.325	ng/ul	0.00
24) 2-Nitrophenol-d4	10.069	143	157474	13.565	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	278087	12.200	ng/ul	0.00
31) 4-Chloroaniline-d4	11.134	131	182273	5.529	ng/ul	0.00
46) Dimethylphthalate-d6	14.210	166	852432	13.844	ng/ul	0.00
49) Acenaphthylene-d8	14.504	160	1000721	13.552	ng/ul	0.00
54) 4-Nitrophenol-d4	14.993	143	44347	4.140	ng/ul	0.00
60) Fluorene-d10	15.798	176	682351	12.881	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	25876	3.217	ng/ul	0.00
73) Anthracene-d10	17.663	188	859130	13.383	ng/ul	0.00
81) Pyrene-d10	19.881	212	818706	11.699	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.080	264	872538	13.859	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.293	77	20595	2.266	ng/ul#	77
8) Phenol	7.334	94	70110	2.009	ng/ul	98
16) Acetophenone	8.999	105	201847	4.820	ng/ul	99
30) Naphthalene	11.052	128	202844	2.322	ng/ul	98
36) 2-Methylnaphthalene	12.646	142	178802	3.309	ng/ul	97
37) 1-Methylnaphthalene	12.863	142	111194	1.996	ng/ul	99
50) Acenaphthylene	14.534	152	198807	2.375	ng/ul	98
52) Acenaphthene	14.869	153	399179	6.890	ng/ul	99
56) Dibenzofuran	15.204	168	402733	5.152	ng/ul	100
61) Fluorene	15.851	166	729089	11.823	ng/ul	100
63) 4-Nitroaniline	15.851	138	11495	1.330	ng/ul#	58
72) Phenanthrene	17.610	178	5378355	68.136	ng/ul	98
74) Anthracene	17.698	178	1755496	22.338	ng/ul	99
77) Carbazole	17.957	167	336941	5.098	ng/ul	98
78) Di-n-butylphthalate	18.492	149	418882	5.667	ng/ul	99
80) Fluoranthene	19.557	202	6351509	73.962	ng/ul	98
82) Pyrene	19.910	202	5059952	55.615	ng/ul	98
83) Butylbenzylphthalate	20.763	149	884606	32.384	ng/ul	96
85) Benzo(a)anthracene	21.628	228	3186757	46.012	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.528	149	7215093	209.922	ng/ul#	98
87) Chrysene	21.686	228	3197748	45.855	ng/ul	97
89) Di-n-octyl phthalate	22.522	149	2201983	29.187	ng/ul	100
90) Benzo(b)fluoranthene	23.451	252	3923231	46.981	ng/ul	97
91) Benzo(k)fluoranthene	23.451	252	3923231	46.162	ng/ul	98

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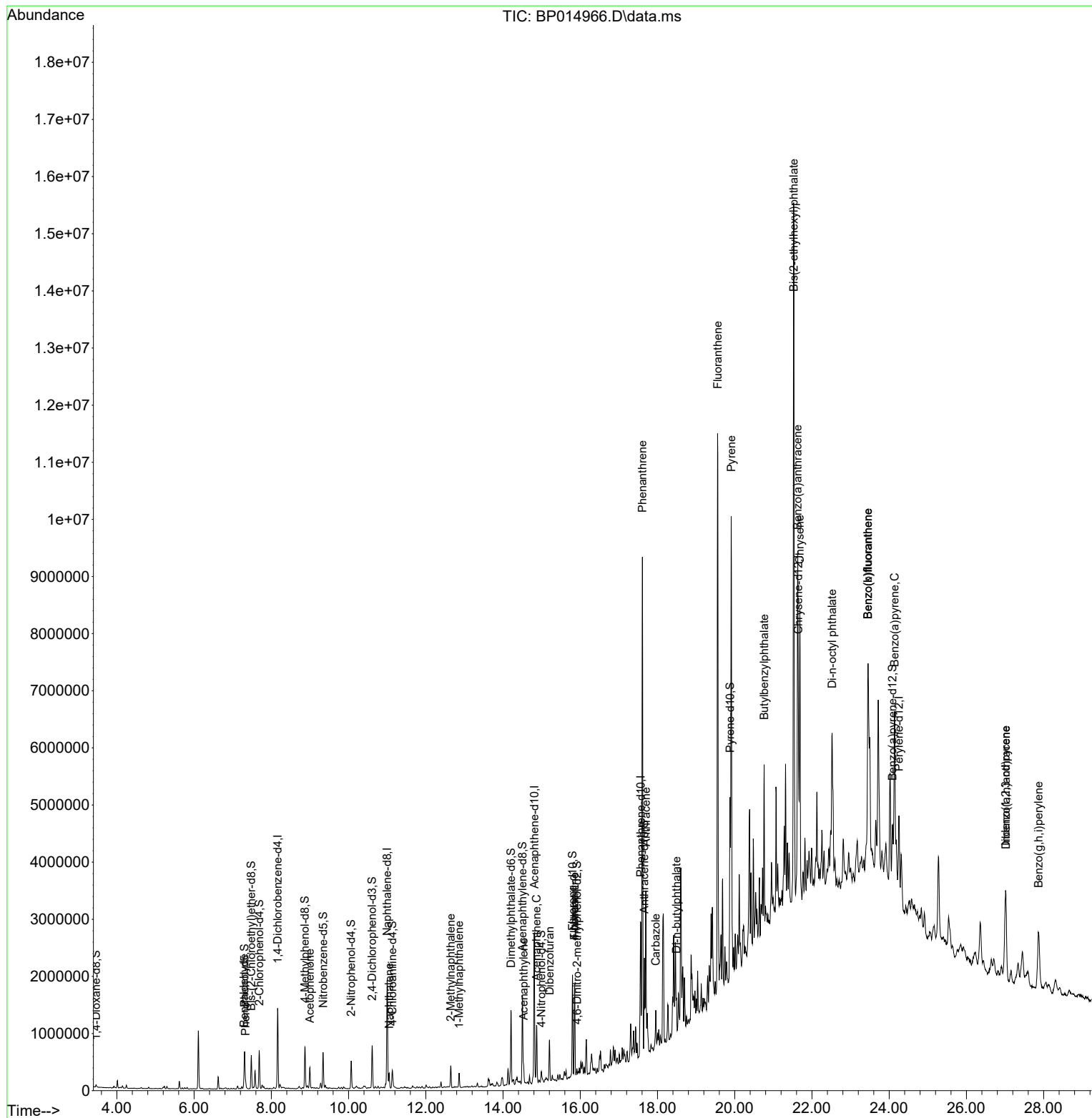
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(a)pyrene	24.139	252	2478282	33.840	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.015	276	1698652	19.015	ng/ul	98
95) Dibenzo(a,h)anthracene	27.021	278	548417	7.490	ng/ul#	92
96) Benzo(g,h,i)perylene	27.868	276	1419982	18.676	ng/ul	99

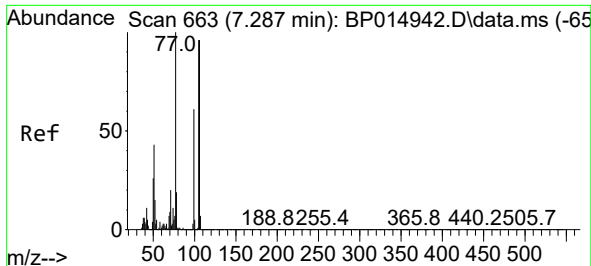
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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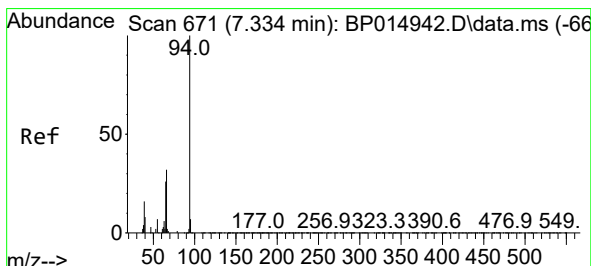
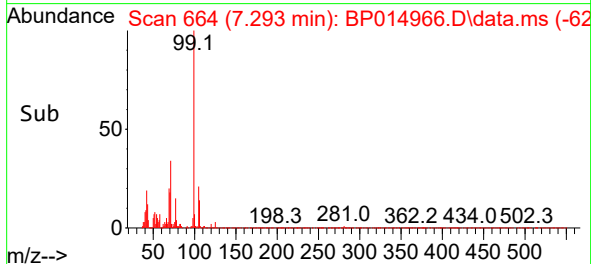
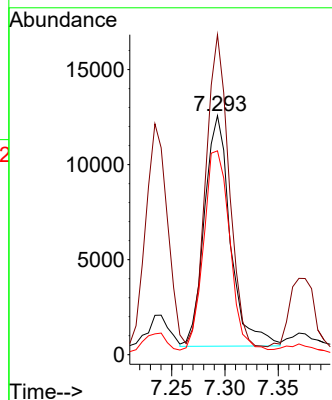
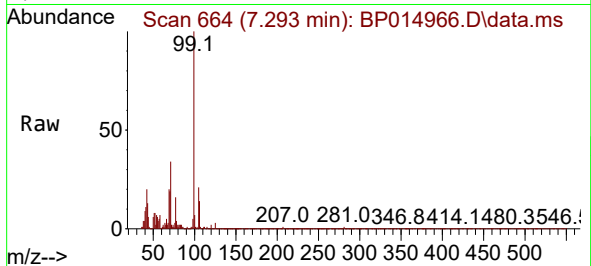




#6
Benzaldehyde
Concen: 2.266 ng/ul
RT: 7.293 min Scan# 664
Delta R.T. 0.006 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

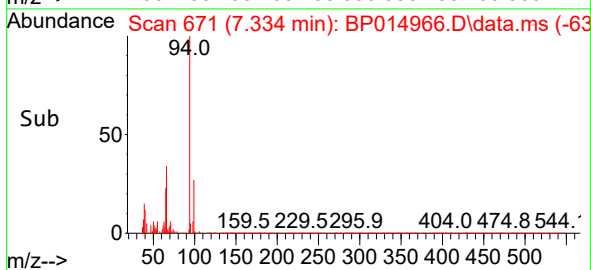
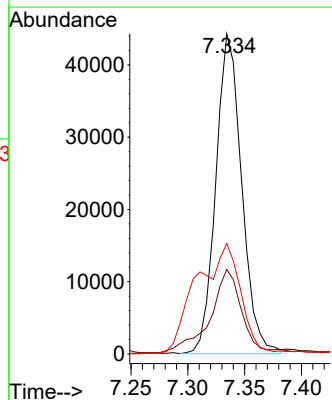
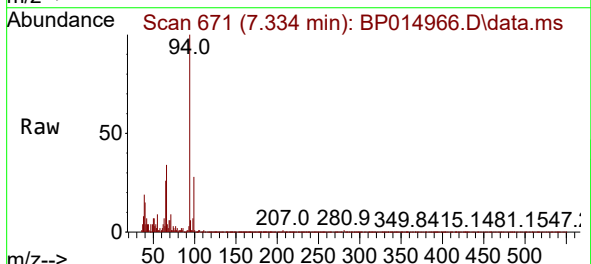
Instrument :
BNA_P
ClientSampleId :
EW943

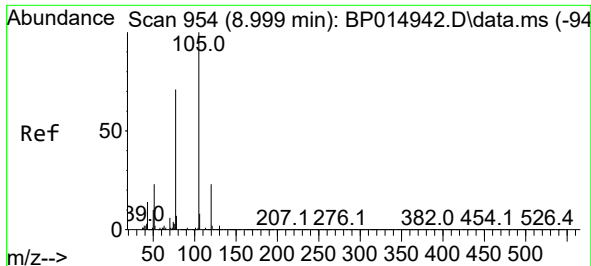
Tgt Ion: 77 Resp: 20595
Ion Ratio Lower Upper
77 100
105 133.8 80.7 121.1#
106 85.3 77.6 116.4



#8
Phenol
Concen: 2.009 ng/ul
RT: 7.334 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion: 94 Resp: 70110
Ion Ratio Lower Upper
94 100
65 26.4 21.4 32.0
66 34.5 25.8 38.8

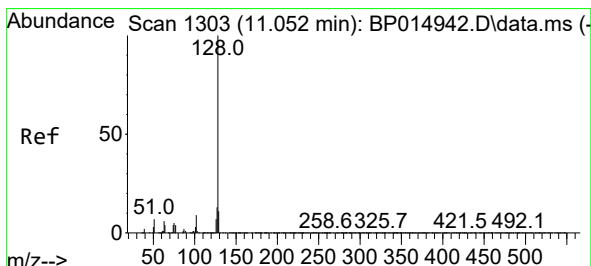
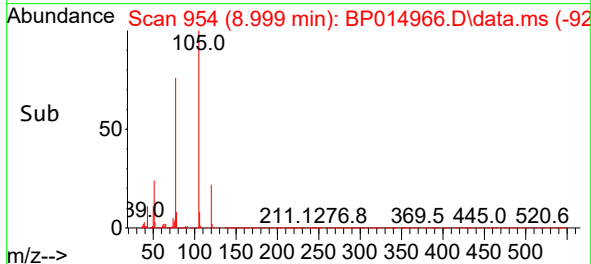
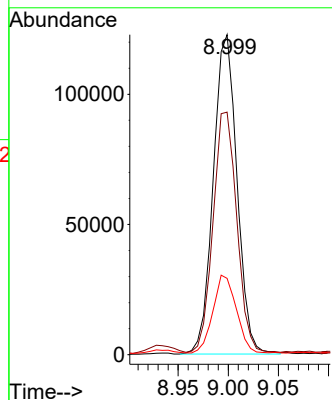
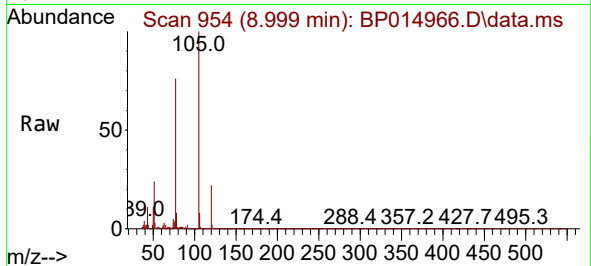




#16
Acetophenone
Concen: 4.820 ng/ul
RT: 8.999 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

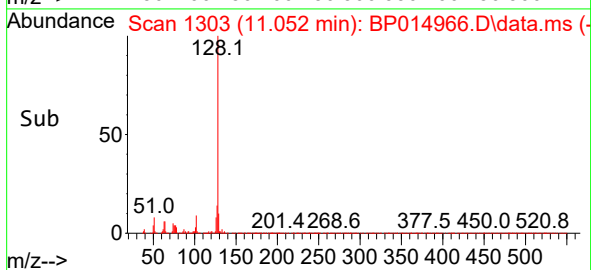
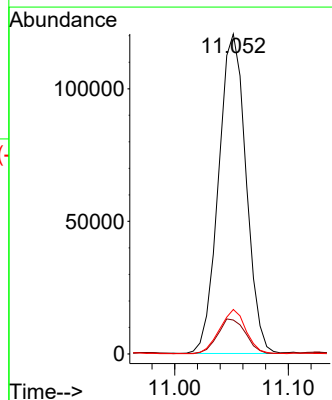
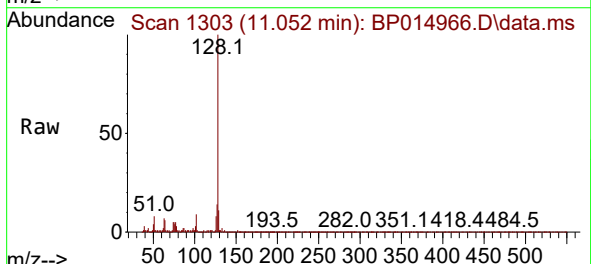
Instrument :
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ClientSampleId :
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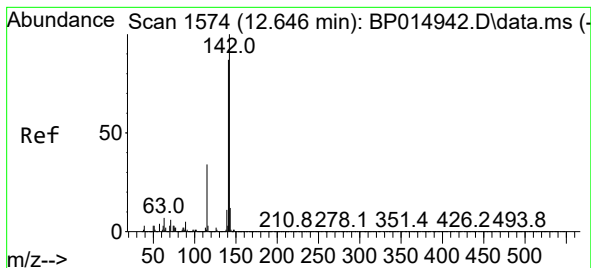
Tgt Ion:105 Resp: 201847
Ion Ratio Lower Upper
105 100
77 75.8 61.2 91.8
51 23.8 19.4 29.2



#30
Naphthalene
Concen: 2.322 ng/ul
RT: 11.052 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:128 Resp: 202844
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.9 10.4 15.6

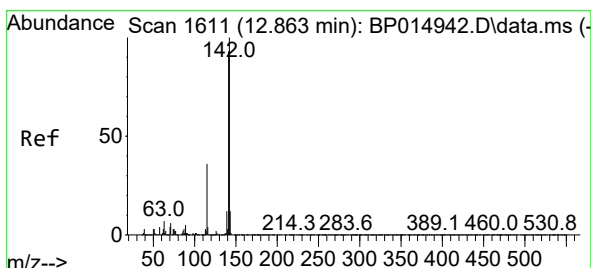
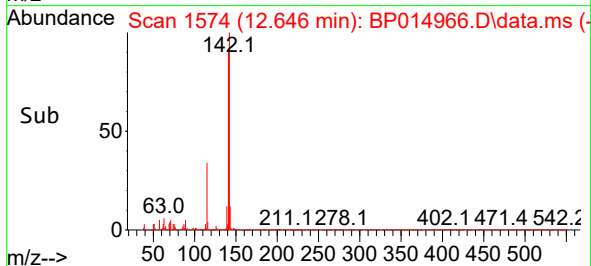
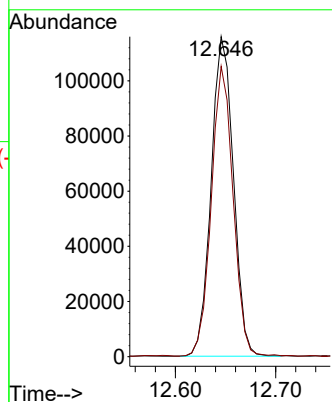
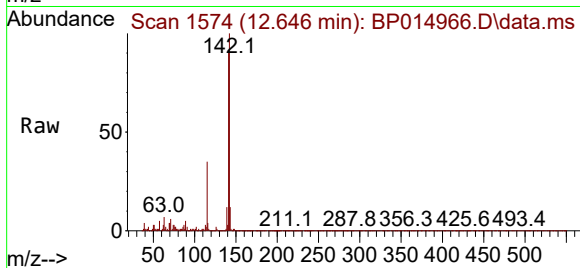




#36
2-Methylnaphthalene
Concen: 3.309 ng/ul
RT: 12.646 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BP014966.D
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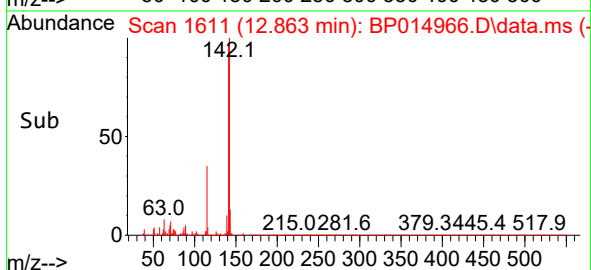
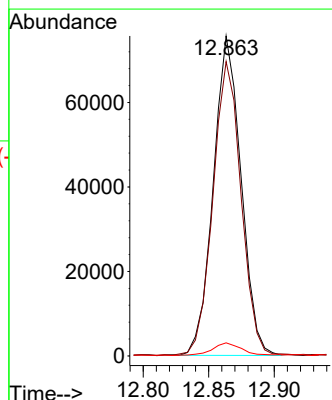
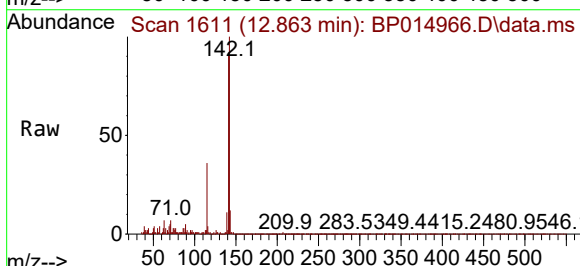
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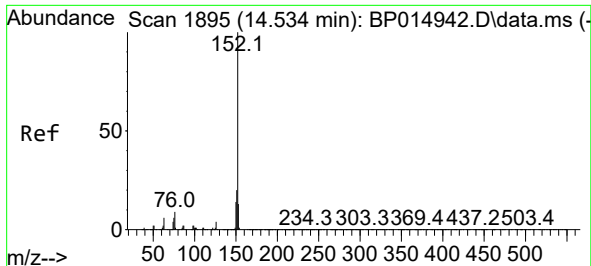
Tgt Ion:142 Resp: 178802
Ion Ratio Lower Upper
142 100
141 90.7 70.5 105.7



#37
1-Methylnaphthalene
Concen: 1.996 ng/ul
RT: 12.863 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:142 Resp: 111194
Ion Ratio Lower Upper
142 100
141 92.0 74.4 111.6
116 4.1 2.9 4.3

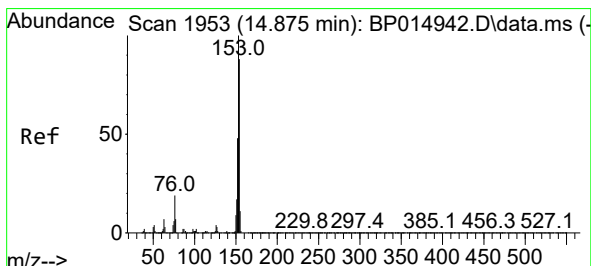
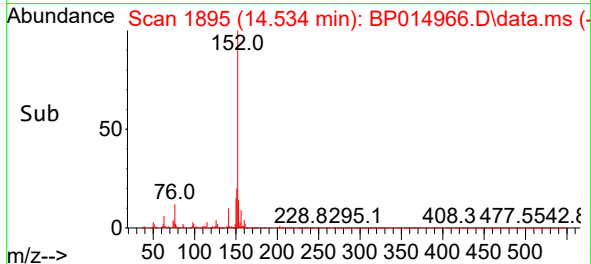
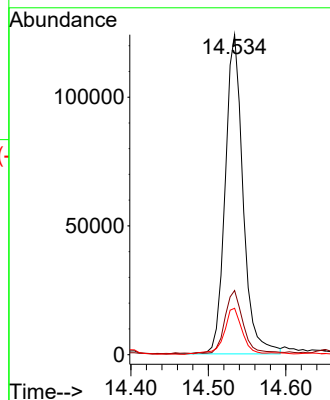
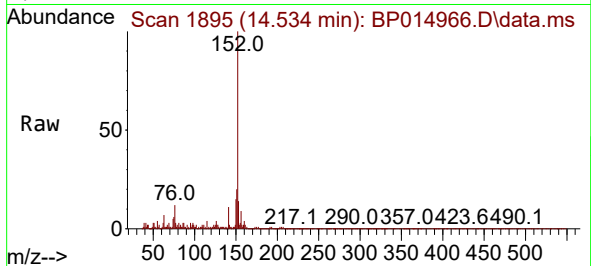




#50
Acenaphthylene
Concen: 2.375 ng/ul
RT: 14.534 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

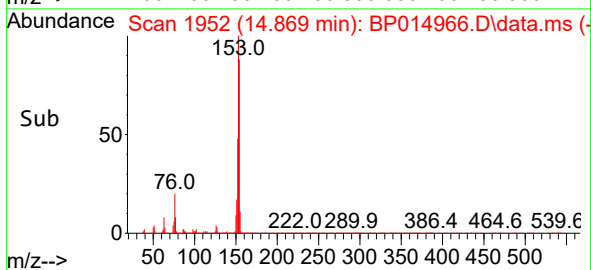
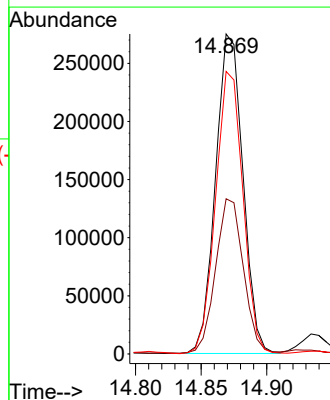
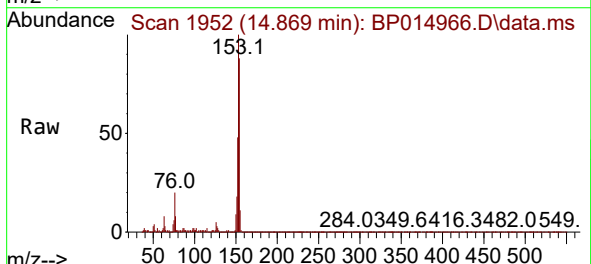
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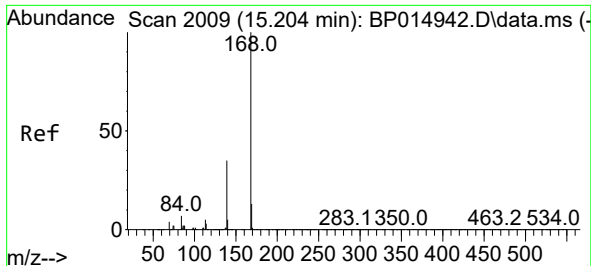
Tgt Ion:152 Resp: 198807
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 14.5 10.4 15.6



#52
Acenaphthene
Concen: 6.890 ng/ul
RT: 14.869 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:153 Resp: 399179
Ion Ratio Lower Upper
153 100
152 48.5 38.8 58.2
154 88.3 69.6 104.4

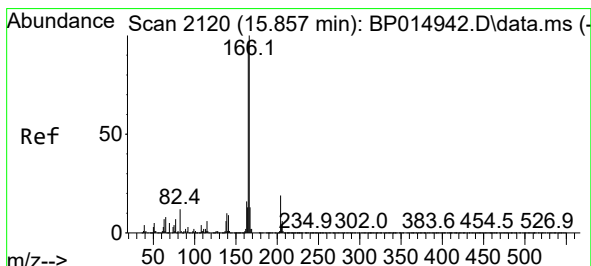
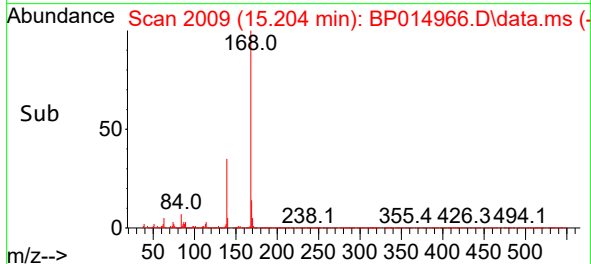
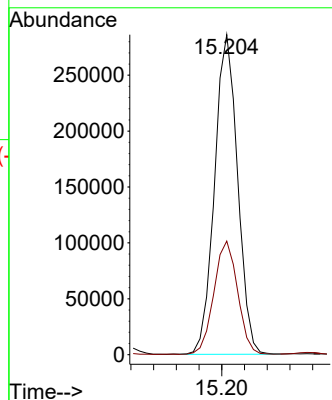
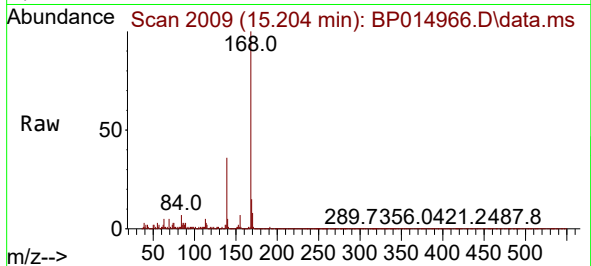




#56
Dibenzenofuran
Concen: 5.152 ng/ul
RT: 15.204 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

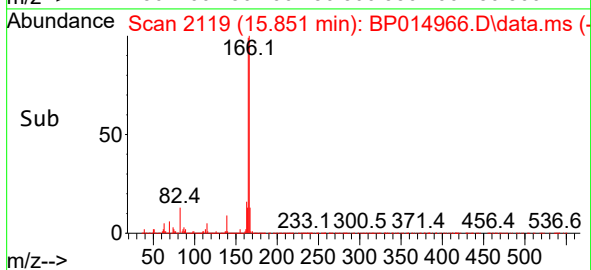
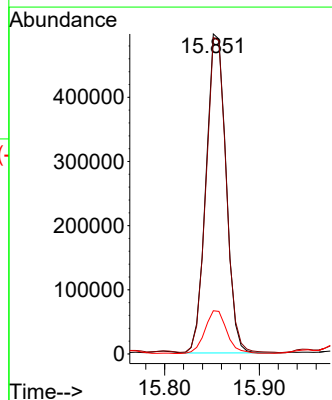
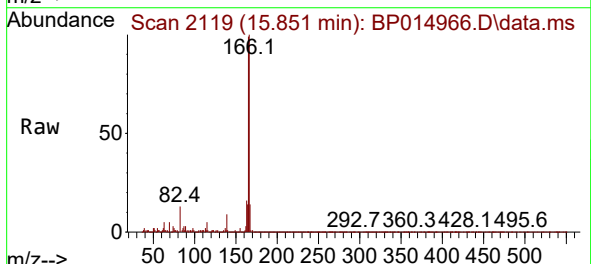
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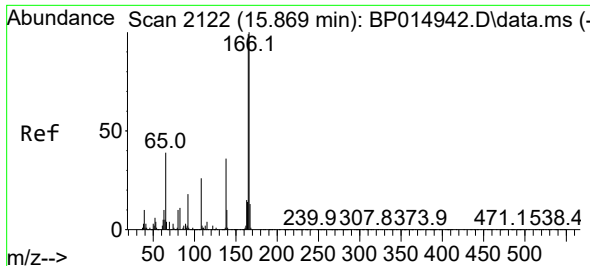
Tgt Ion:168 Resp: 402733
Ion Ratio Lower Upper
168 100
139 35.5 28.6 42.8



#61
Fluorene
Concen: 11.823 ng/ul
RT: 15.851 min Scan# 2119
Delta R.T. -0.006 min
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Tgt Ion:166 Resp: 729089
Ion Ratio Lower Upper
166 100
165 98.9 79.3 118.9
167 13.5 10.7 16.1

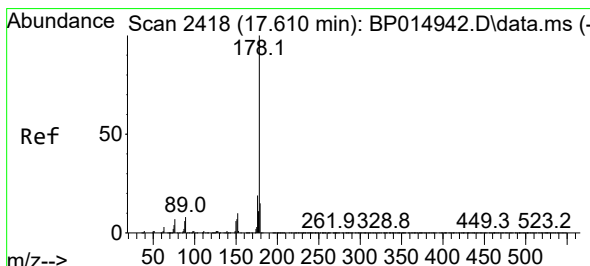
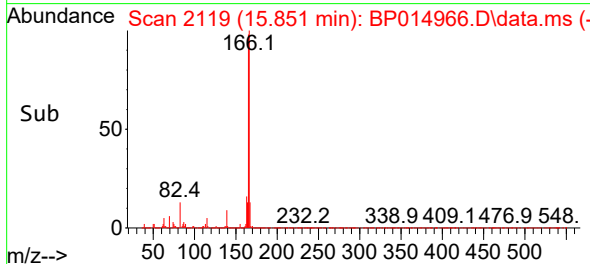
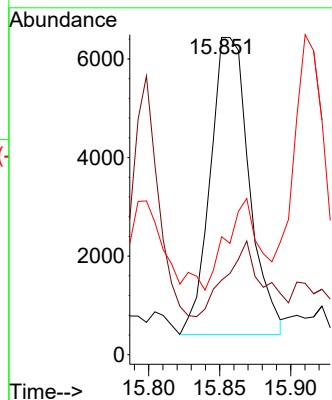
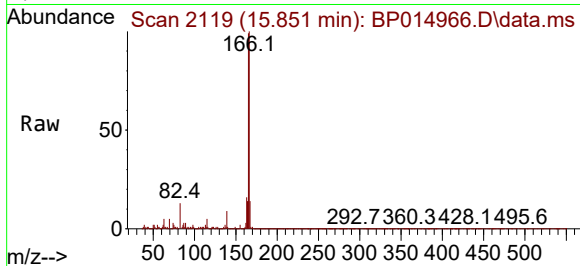




#63
4-Nitroaniline
Concen: 1.330 ng/ul
RT: 15.851 min Scan# 2122
Delta R.T. -0.018 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

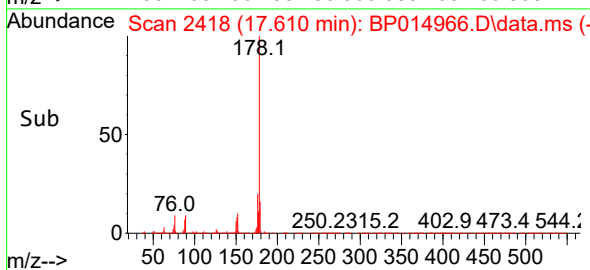
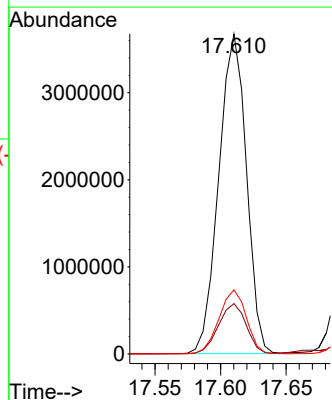
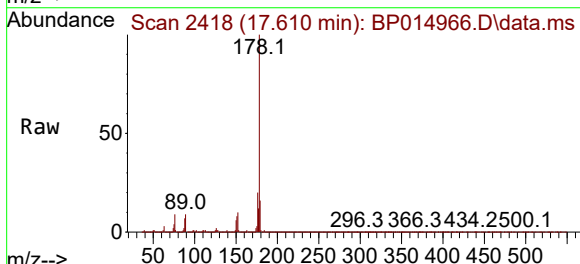
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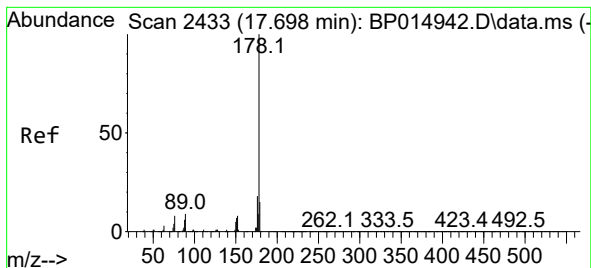
Tgt Ion:138 Resp: 11495
Ion Ratio Lower Upper
138 100
92 23.5 43.7 65.5#
108 37.2 57.4 86.2#



#72
Phenanthrene
Concen: 68.136 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BP014966.D
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Tgt Ion:178 Resp: 5378355
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.4
176 20.0 15.4 23.0





#74

Anthracene

Concen: 22.338 ng/ul

RT: 17.698 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

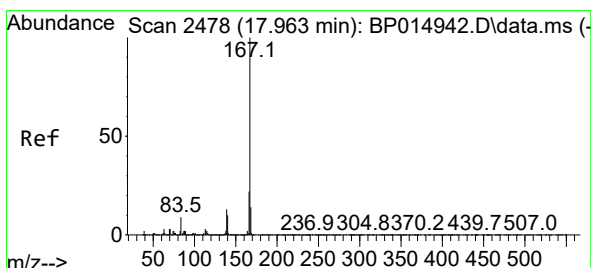
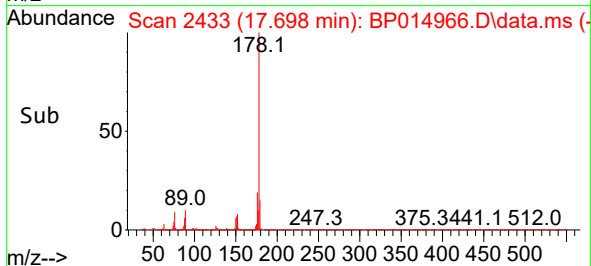
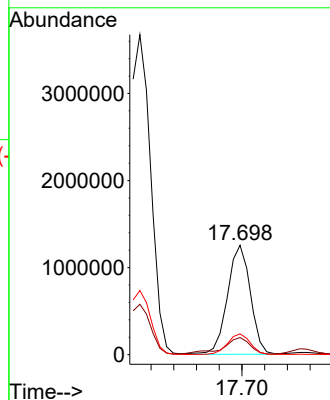
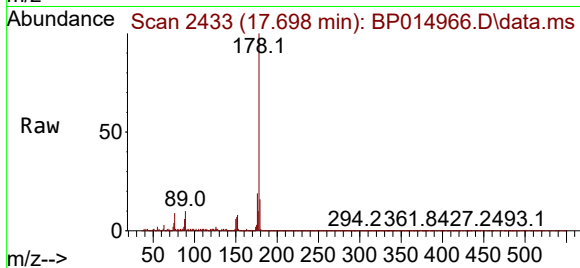
Tgt Ion:178 Resp: 1755496

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 19.1 15.0 22.4



#77

Carbazole

Concen: 5.098 ng/ul

RT: 17.957 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

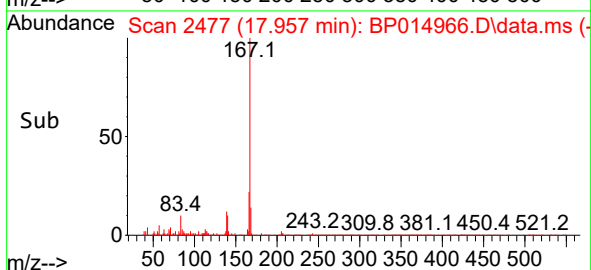
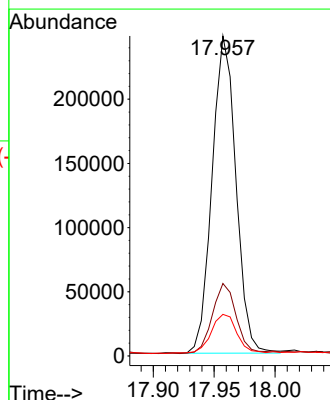
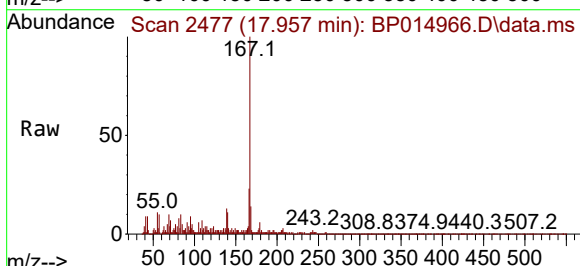
Tgt Ion:167 Resp: 336941

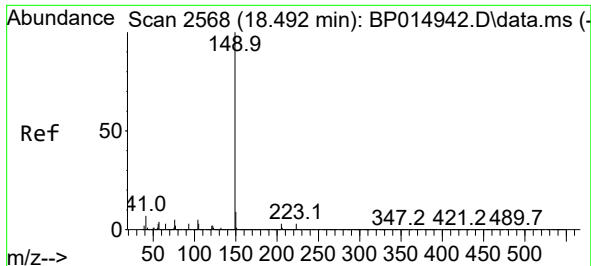
Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

139 13.0 10.1 15.1

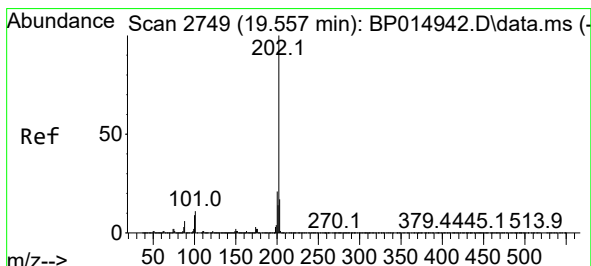
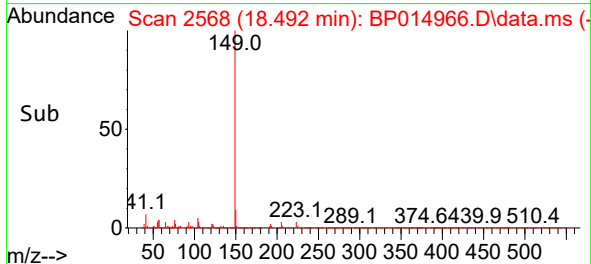
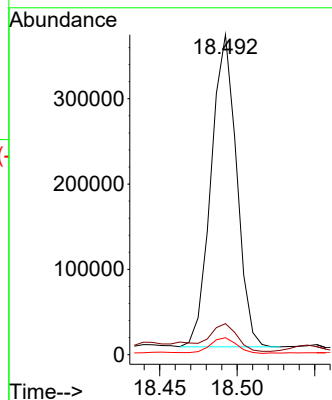
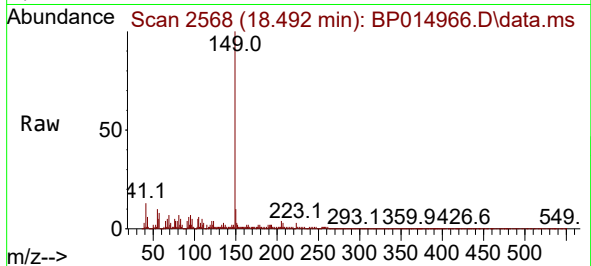




#78
Di-n-butylphthalate
Concen: 5.667 ng/ul
RT: 18.492 min Scan# 2568
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

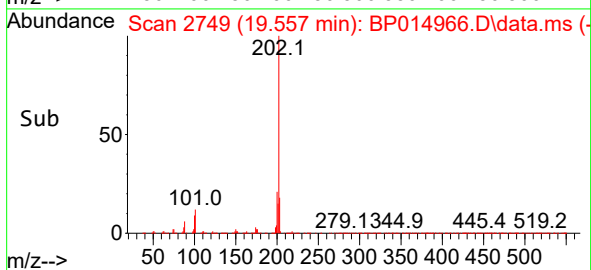
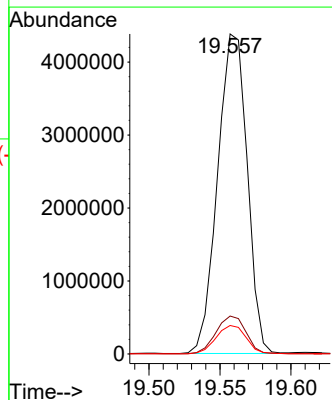
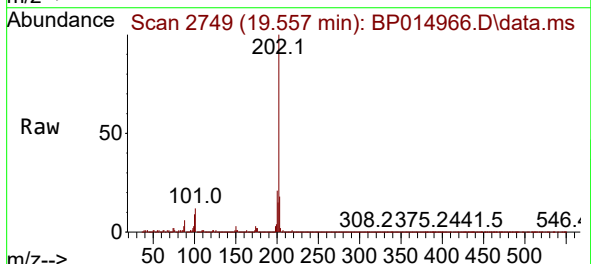
Instrument :
BNA_P
ClientSampleId :
EW943

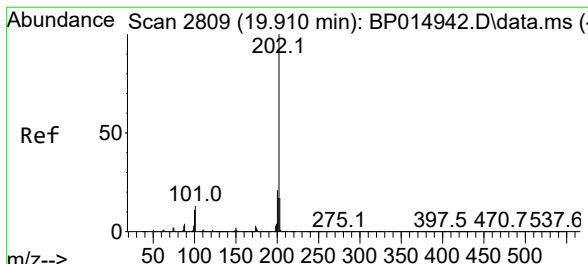
Tgt Ion:149 Resp: 418882
Ion Ratio Lower Upper
149 100
150 9.7 7.4 11.2
104 5.3 4.1 6.1



#80
Fluoranthene
Concen: 73.962 ng/ul
RT: 19.557 min Scan# 2749
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:202 Resp: 6351509
Ion Ratio Lower Upper
202 100
101 11.8 10.1 15.1
100 8.9 7.7 11.5



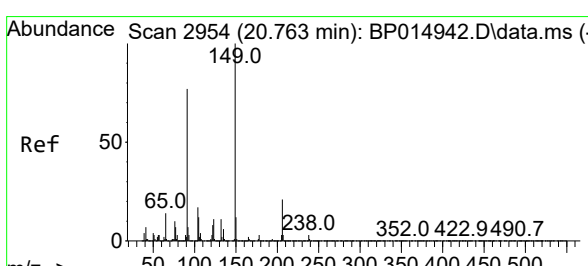
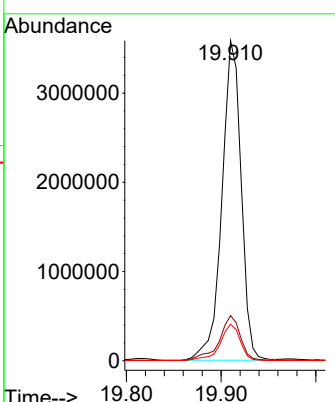
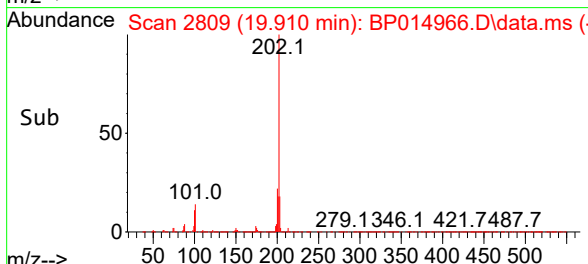
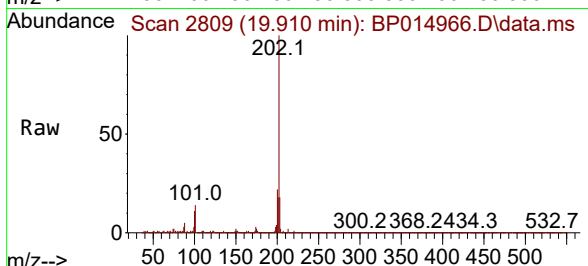


#82
 Pyrene
 Concen: 55.615 ng/ul
 RT: 19.910 min Scan# 2809
 Delta R.T. 0.000 min
 Lab File: BP014966.D
 Acq: 04 May 2023 22:48

Instrument :
 BNA_P
 ClientSampleId :
 EW943

Tgt Ion:202 Resp: 5059952

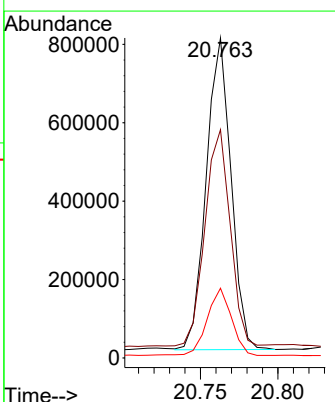
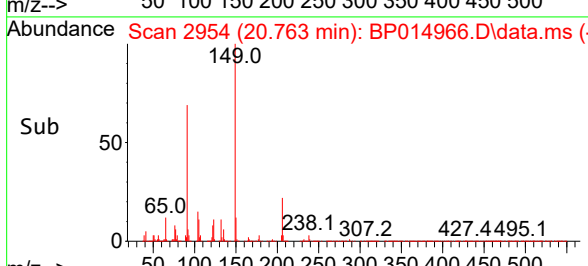
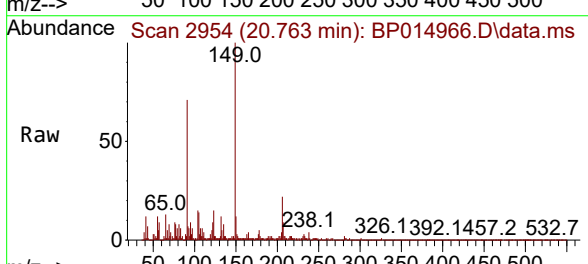
Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.9	17.9
100	11.4	9.7	14.5

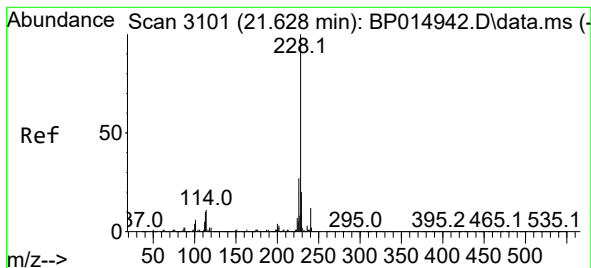


#83
 Butylbenzylphthalate
 Concen: 32.384 ng/ul
 RT: 20.763 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: BP014966.D
 Acq: 04 May 2023 22:48

Tgt Ion:149 Resp: 884606

Ion	Ratio	Lower	Upper
149	100		
91	71.4	60.1	90.1
206	21.8	16.0	24.0





#85

Benzo(a)anthracene

Concen: 46.012 ng/ul

RT: 21.628 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

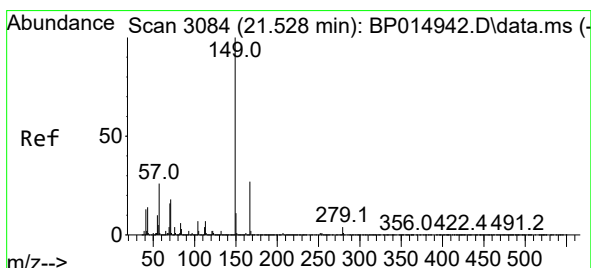
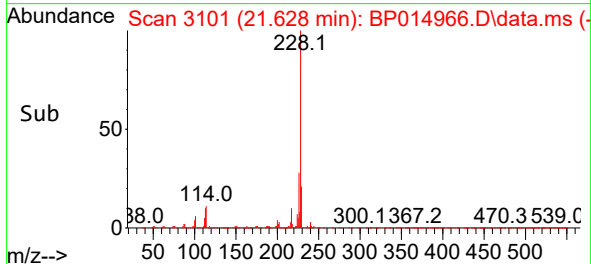
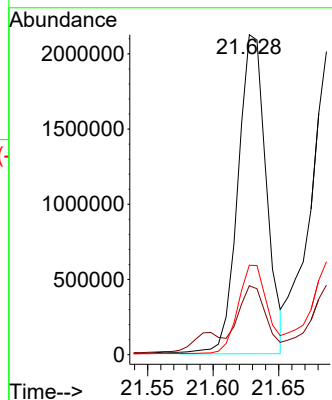
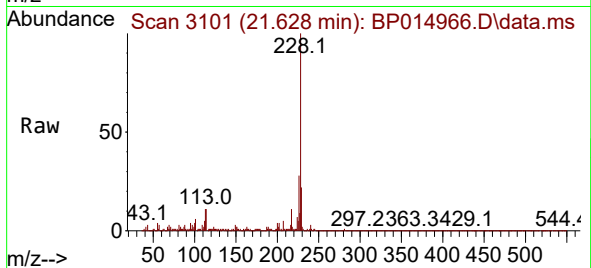
Tgt Ion:228 Resp: 3186757

Ion Ratio Lower Upper

228 100

229 21.6 15.9 23.9

226 27.9 22.1 33.1



#86

Bis(2-ethylhexyl)phthalate

Concen: 209.922 ng/ul

RT: 21.528 min Scan# 3084

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

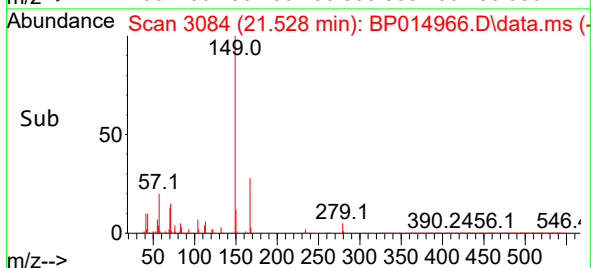
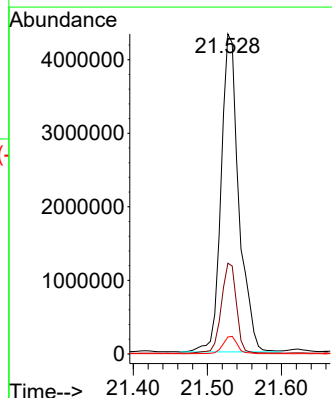
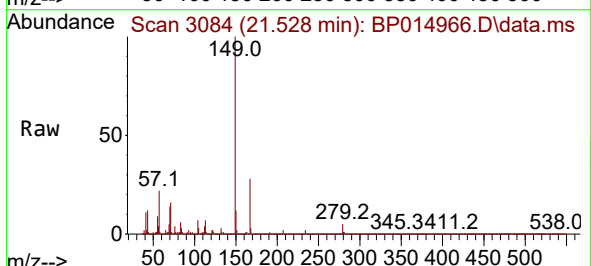
Tgt Ion:149 Resp: 7215093

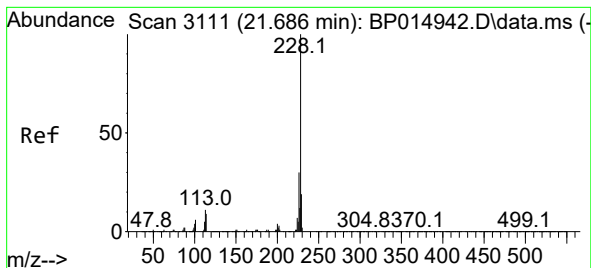
Ion Ratio Lower Upper

149 100

167 28.4 22.0 33.0

279 5.3 2.9 4.3#





#87

Chrysene

Concen: 45.855 ng/ul

RT: 21.686 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

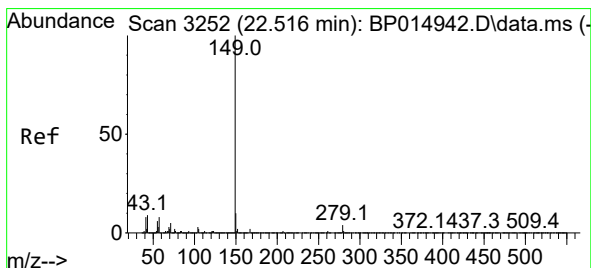
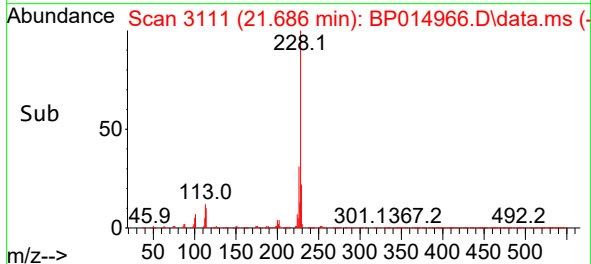
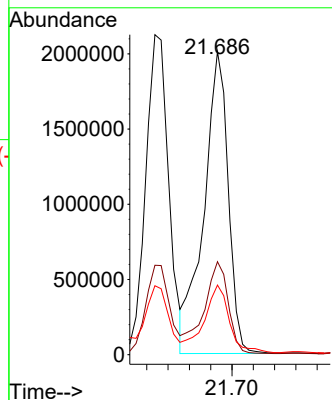
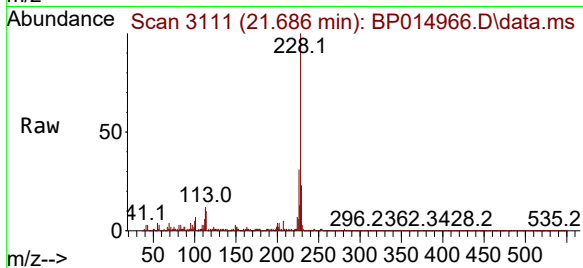
Tgt Ion:228 Resp: 3197748

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.9 15.8 23.8



#89

Di-n-octyl phthalate

Concen: 29.187 ng/ul

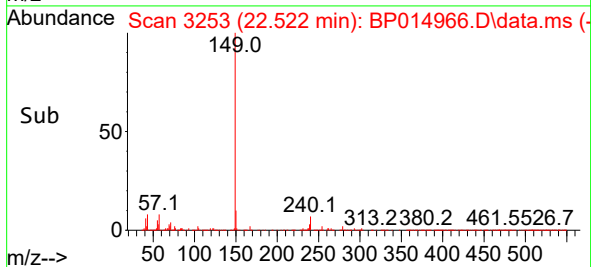
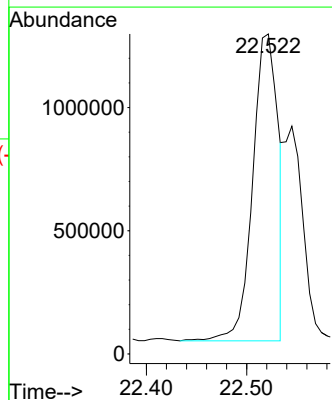
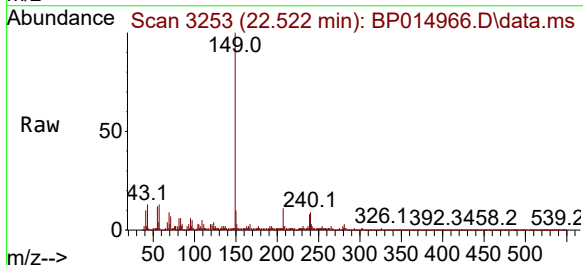
RT: 22.522 min Scan# 3253

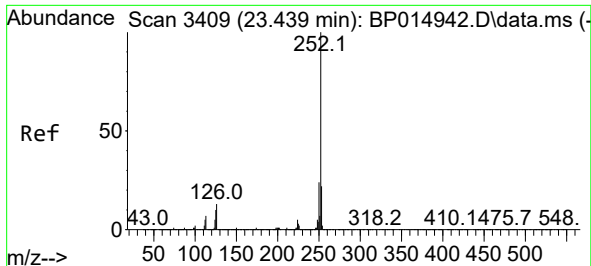
Delta R.T. 0.006 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Tgt Ion:149 Resp: 2201983

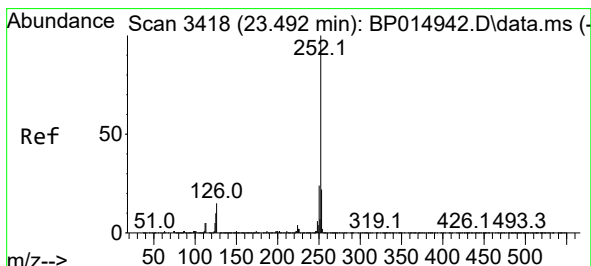
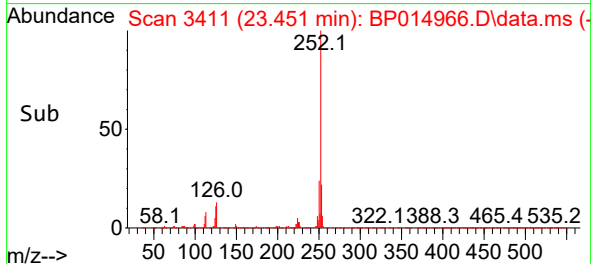
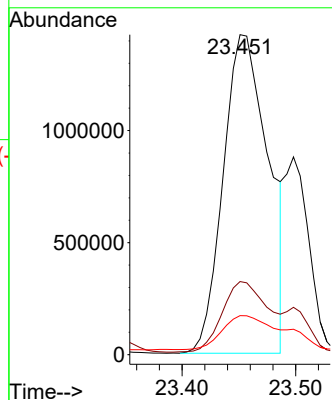
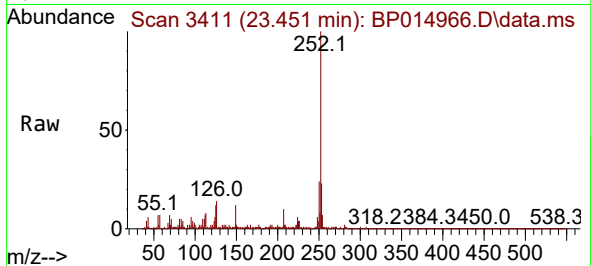




#90
Benzo(b)fluoranthene
Concen: 46.981 ng/ul
RT: 23.451 min Scan# 3411
Delta R.T. 0.012 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

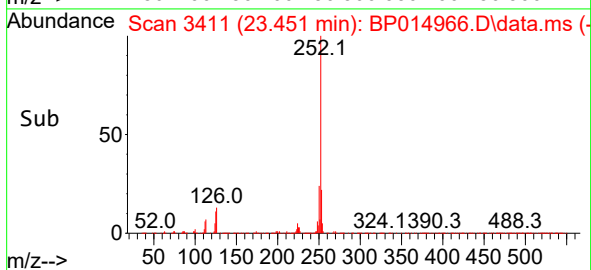
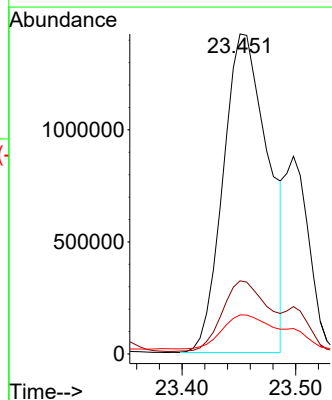
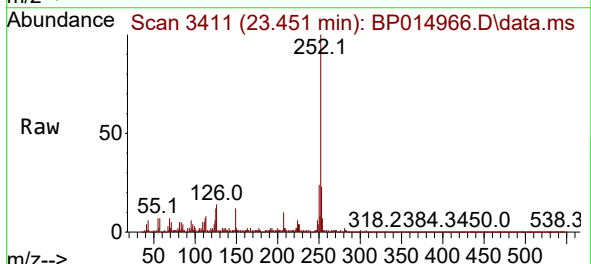
Instrument :
BNA_P
ClientSampleId :
EW943

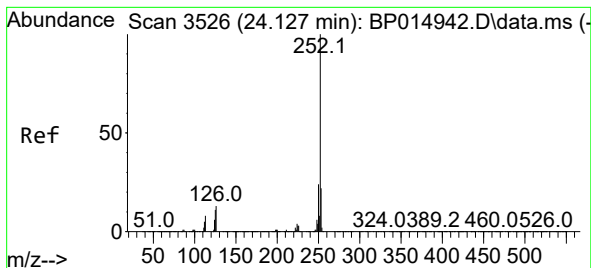
Tgt Ion:252 Resp: 3923231
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.2 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 46.162 ng/ul
RT: 23.451 min Scan# 3411
Delta R.T. -0.041 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:252 Resp: 3923231
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.2 8.9 13.3





#93

Benzo(a)pyrene

Concen: 33.840 ng/ul

RT: 24.139 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

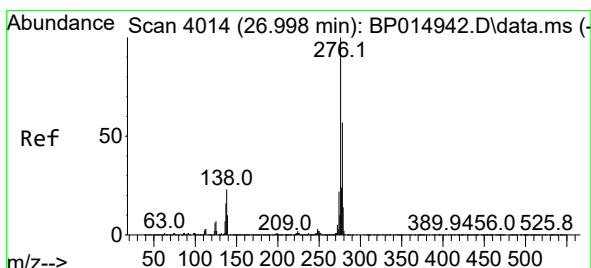
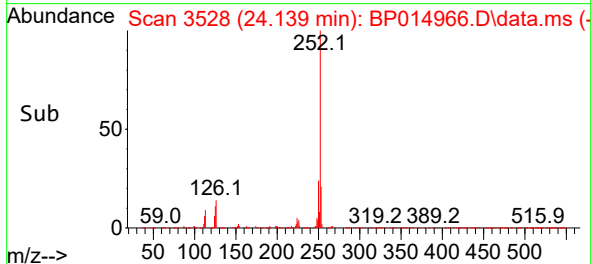
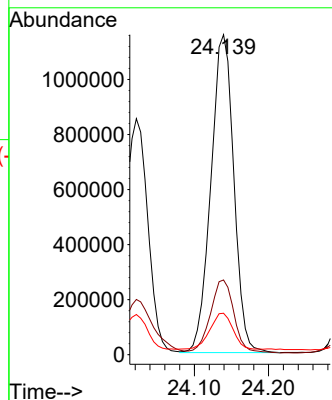
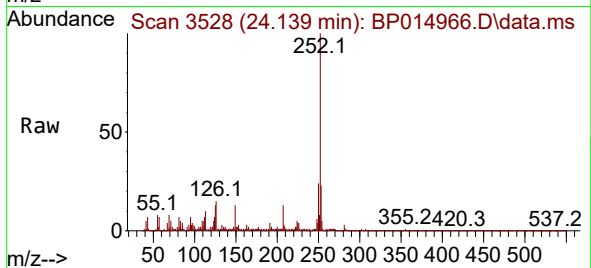
Tgt Ion:252 Resp: 2478282

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 12.9 9.4 14.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.015 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. 0.018 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

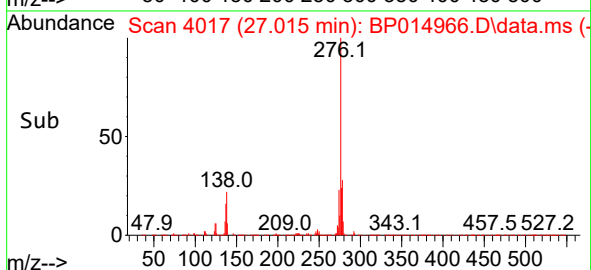
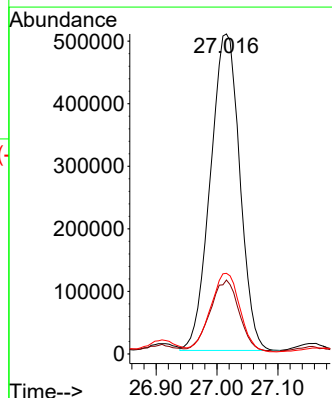
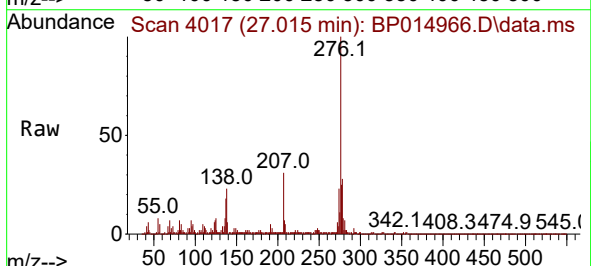
Tgt Ion:276 Resp: 1698652

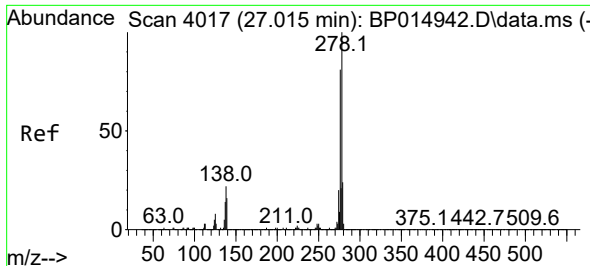
Ion Ratio Lower Upper

276 100

138 23.1 19.4 29.0

277 25.2 19.4 29.2

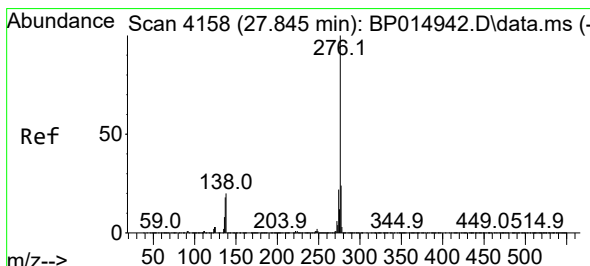
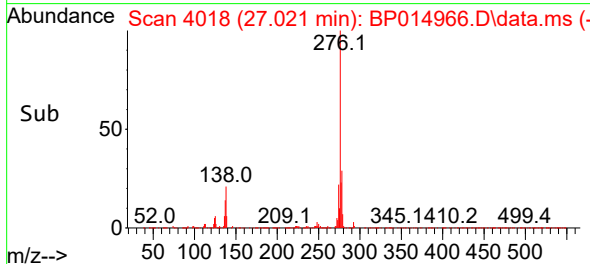
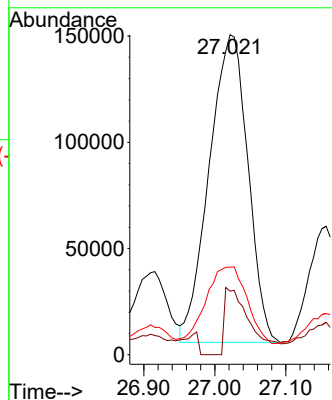
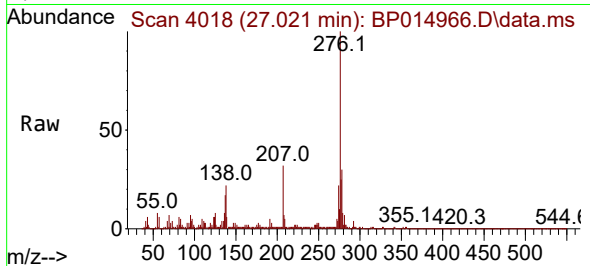




#95
 Dibenzo(a,h)anthracene
 Concen: 7.490 ng/ul
 RT: 27.021 min Scan# 4017
 Delta R.T. 0.006 min
 Lab File: BP014966.D
 Acq: 04 May 2023 22:48

Instrument :
 BNA_P
 ClientSampleId :
 EW943

Tgt Ion:278 Resp: 548417
 Ion Ratio Lower Upper
 278 100
 139 19.8 12.9 19.3#
 279 27.3 19.0 28.6



#96
 Benzo(g,h,i)perylene
 Concen: 18.676 ng/ul
 RT: 27.868 min Scan# 4162
 Delta R.T. 0.024 min
 Lab File: BP014966.D
 Acq: 04 May 2023 22:48

Tgt Ion:276 Resp: 1419982
 Ion Ratio Lower Upper
 276 100
 138 21.9 18.0 27.0
 277 24.1 19.8 29.8

