

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014948.D
 Acq On : 04 May 2023 12:46
 Operator : CG/JU
 Sample : 02447-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW933

Quant Time: May 04 22:42:17 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	273397	20.000	ng/ul	0.00
20) Naphthalene-d8	10.998	136	959641	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.810	164	475177	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.563	188	982260	20.000	ng/ul	0.00
79) Chrysene-d12	21.645	240	988222	20.000	ng/ul	0.00
88) Perylene-d12	24.251	264	1210366	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	17210	2.341	ng/uL	0.00
4) Pyridine-d5	3.899	84	890	0.044	ng/ul	0.00
7) Phenol-d5	7.305	99	229972	9.702	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	176340	12.036	ng/ul	0.00
11) 2-Chlorophenol-d4	7.687	132	195656	11.226	ng/ul	0.00
15) 4-Methylphenol-d8	8.869	113	142738	7.814	ng/ul	0.00
21) Nitrobenzene-d5	9.340	128	97393	14.270	ng/ul	0.00
24) 2-Nitrophenol-d4	10.069	143	89175	12.724	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	146506	10.647	ng/ul	0.00
31) 4-Chloroaniline-d4	11.140	131	69964	3.515	ng/ul	0.00
46) Dimethylphthalate-d6	14.210	166	485409	14.434	ng/ul	0.00
49) Acenaphthylene-d8	14.504	160	572583	14.196	ng/ul	0.00
54) 4-Nitrophenol-d4	14.986	143	20681	3.535	ng/ul	0.00
60) Fluorene-d10	15.798	176	425186	14.695	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	20871	3.774	ng/ul	0.00
73) Anthracene-d10	17.663	188	669137	15.161	ng/ul	0.00
81) Pyrene-d10	19.880	212	866356	12.998	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.080	264	946714	16.053	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.293	77	9536	1.471	ng/ul#	81
8) Phenol	7.334	94	29752	1.196	ng/ul	94
16) Acetophenone	8.999	105	121188	4.058	ng/ul	98
30) Naphthalene	11.051	128	64721	1.227	ng/ul	98
36) 2-Methylnaphthalene	12.645	142	40605	1.245	ng/ul	99
47) Dimethylphthalate	14.251	163	123283	3.486	ng/ul	99
50) Acenaphthylene	14.534	152	155744	3.406	ng/ul	98
52) Acenaphthene	14.875	153	94570	2.989	ng/ul	98
56) Dibenzofuran	15.204	168	92080	2.157	ng/ul	98
61) Fluorene	15.857	166	105032	3.118	ng/ul	97
72) Phenanthrene	17.610	178	1243513	22.915	ng/ul	100
74) Anthracene	17.698	178	328439	6.079	ng/ul	100
77) Carbazole	17.963	167	100162	2.204	ng/ul	96
78) Di-n-butylphthalate	18.492	149	912437	17.957	ng/ul	100
80) Fluoranthene	19.557	202	2540902	31.068	ng/ul	100
82) Pyrene	19.910	202	2715285	31.337	ng/ul	100
83) Butylbenzylphthalate	20.763	149	400180	15.383	ng/ul	99
85) Benzo(a)anthracene	21.633	228	1511390	22.913	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.527	149	2602844	79.516	ng/ul	100
87) Chrysene	21.686	228	1596951	24.045	ng/ul	98
89) Di-n-octyl phthalate	22.521	149	327878	4.639	ng/ul	100
90) Benzo(b)fluoranthene	23.451	252	2161437	27.631	ng/ul	96
91) Benzo(k)fluoranthene	23.451	252	2161437	27.150	ng/ul	97
93) Benzo(a)pyrene	24.133	252	1531538	22.325	ng/ul	97

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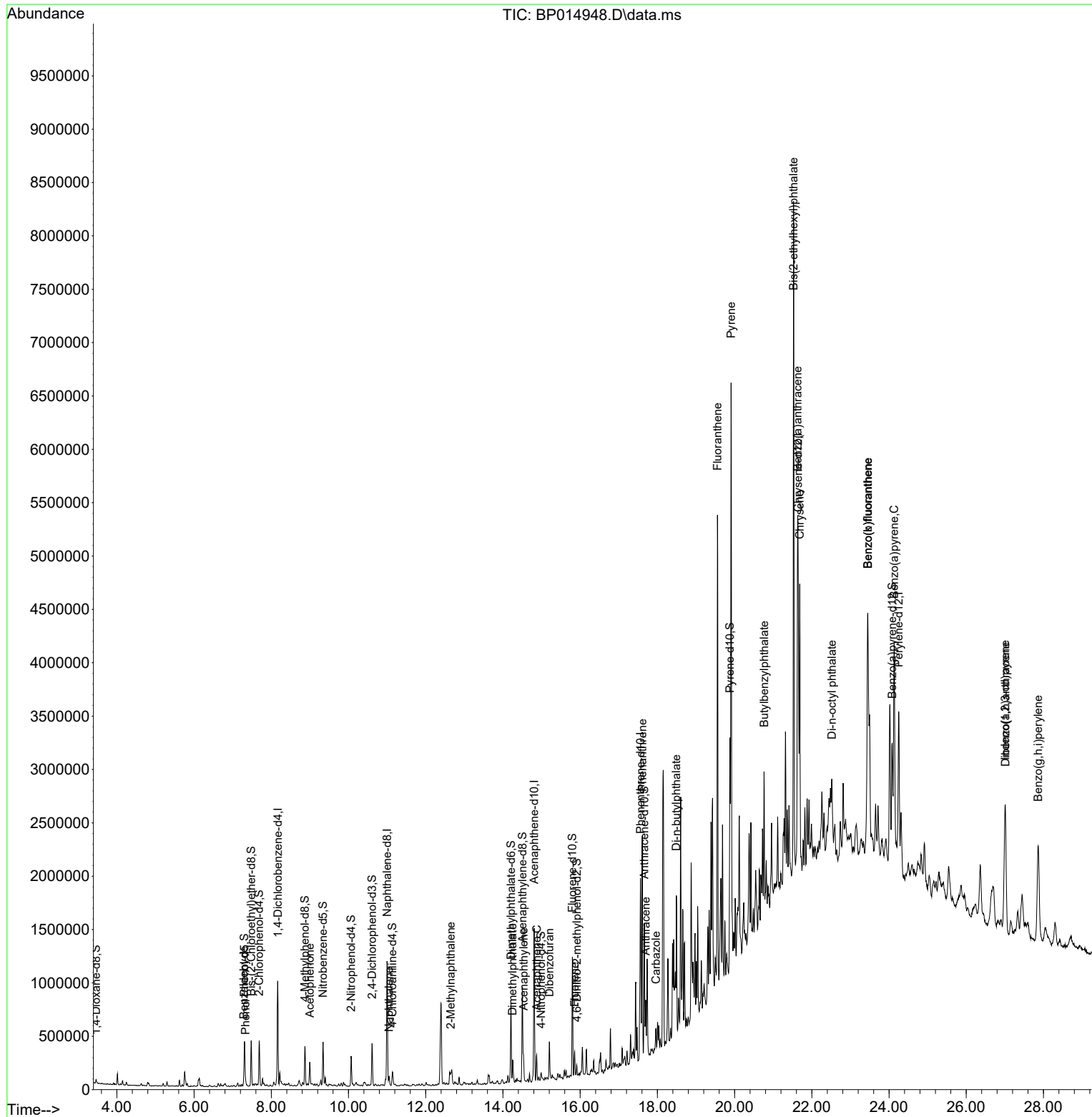
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	27.009	276	1310330	15.658	ng/ul	97
95) Dibenzo(a,h)anthracene	27.015	278	345351	5.035	ng/ul#	82
96) Benzo(g,h,i)perylene	27.862	276	1314277	18.453	ng/ul	99

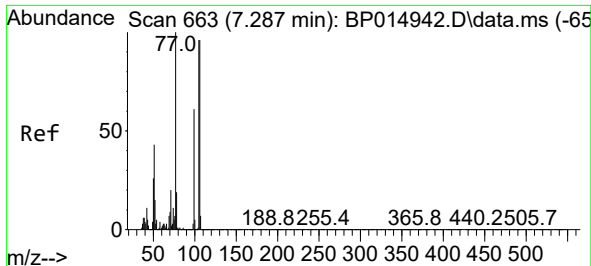
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

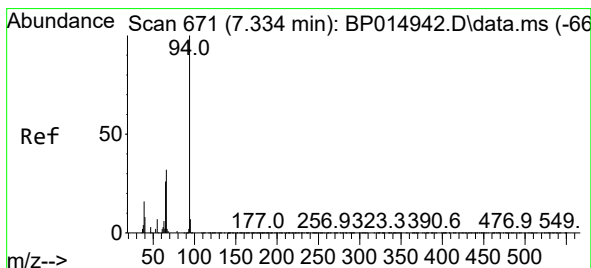
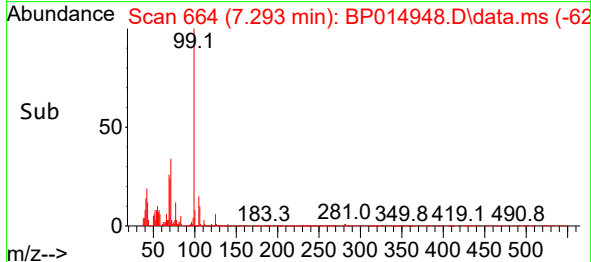
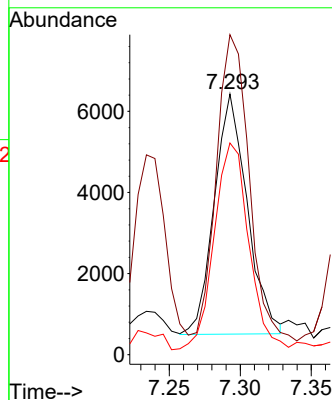
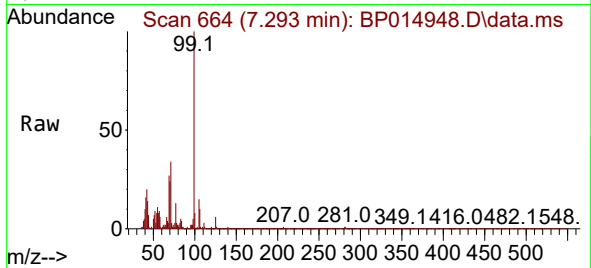




#6
Benzaldehyde
Concen: 1.471 ng/ul
RT: 7.293 min Scan# 663
Delta R.T. 0.006 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

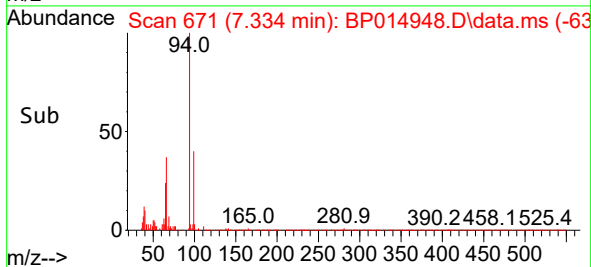
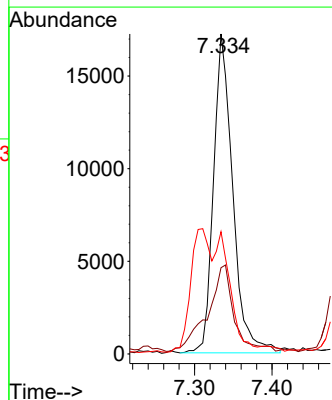
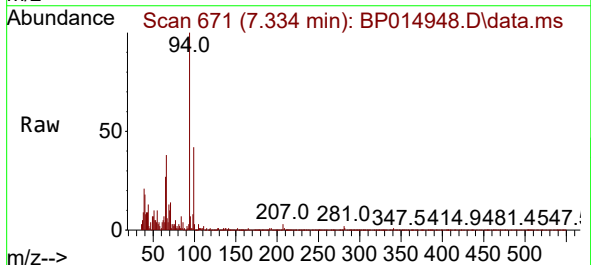
Instrument :
BNA_P
ClientSampleId :
EW933

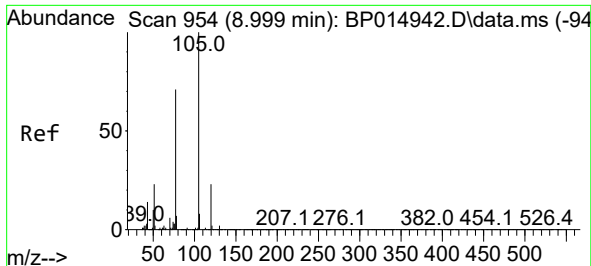
Tgt Ion: 77 Resp: 9536
Ion Ratio Lower Upper
77 100
105 122.8 80.7 121.1#
106 81.2 77.6 116.4



#8
Phenol
Concen: 1.196 ng/ul
RT: 7.334 min Scan# 671
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion: 94 Resp: 29752
Ion Ratio Lower Upper
94 100
65 27.0 21.4 32.0
66 38.2 25.8 38.8

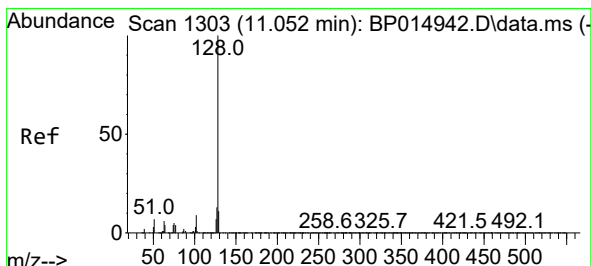
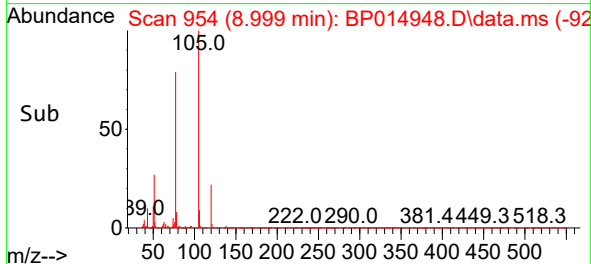
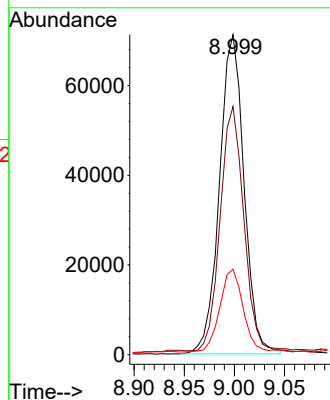
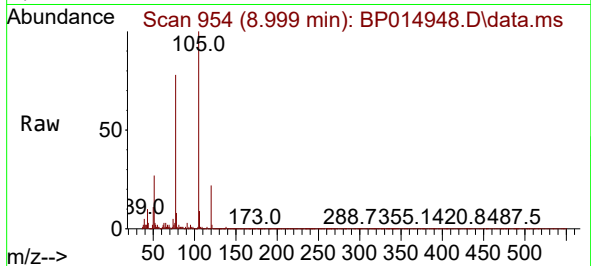




#16
Acetophenone
Concen: 4.058 ng/ul
RT: 8.999 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

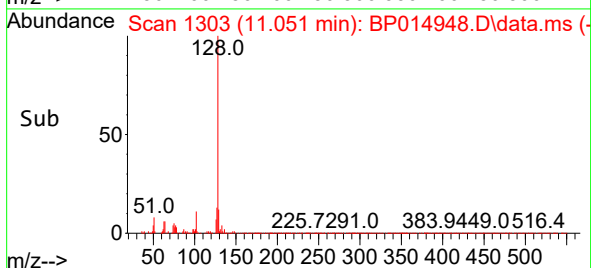
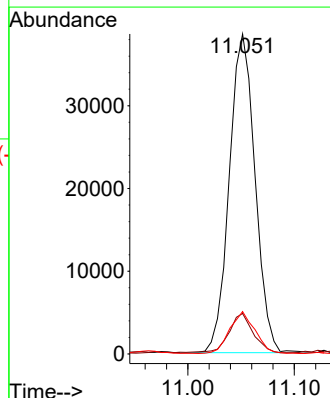
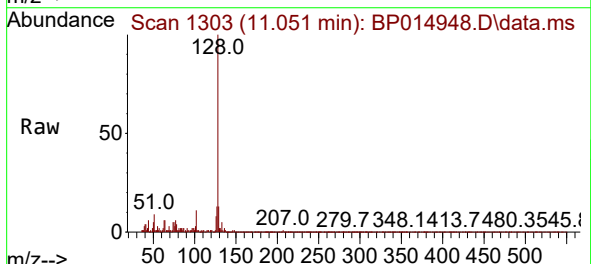
Instrument :
BNA_P
ClientSampleId :
EW933

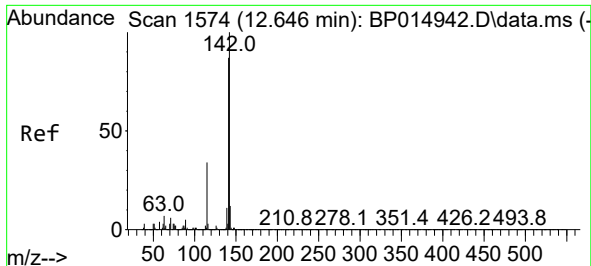
Tgt Ion:105 Resp: 121188
Ion Ratio Lower Upper
105 100
77 77.6 61.2 91.8
51 26.7 19.4 29.2



#30
Naphthalene
Concen: 1.227 ng/ul
RT: 11.051 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion:128 Resp: 64721
Ion Ratio Lower Upper
128 100
129 12.7 8.7 13.1
127 13.3 10.4 15.6

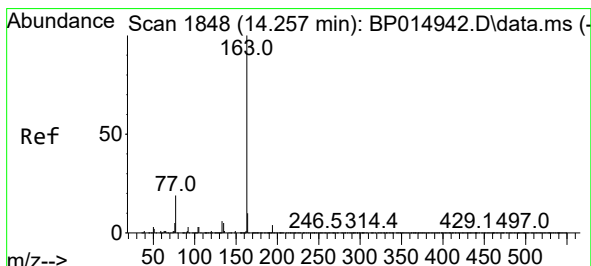
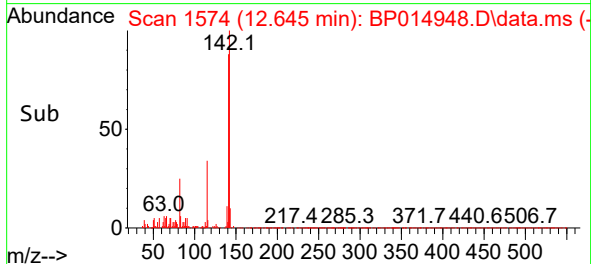
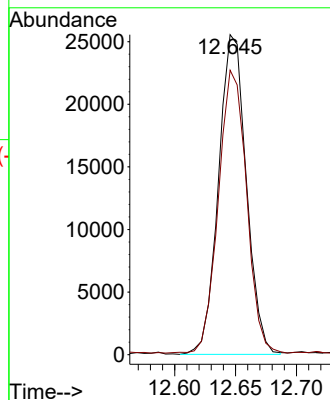
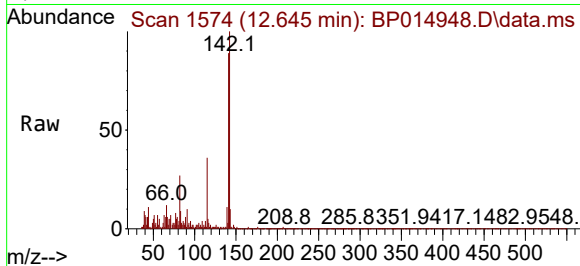




#36
2-Methylnaphthalene
Concen: 1.245 ng/ul
RT: 12.645 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

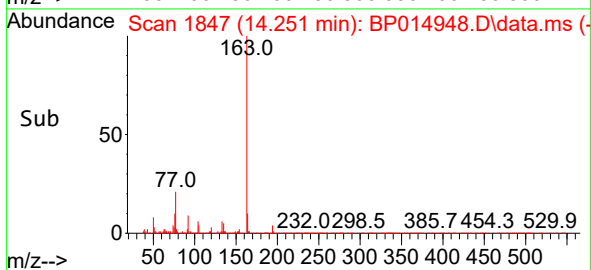
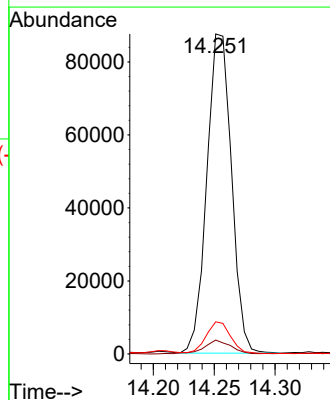
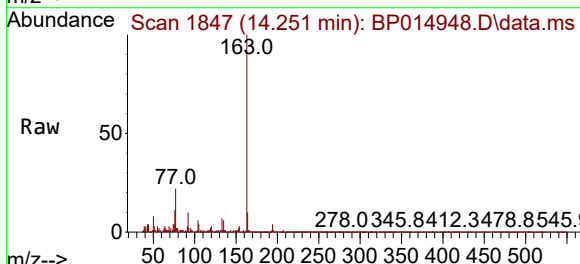
Instrument :
BNA_P
ClientSampleId :
EW933

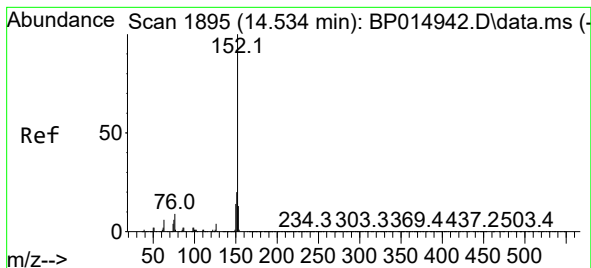
Tgt Ion:142 Resp: 40605
Ion Ratio Lower Upper
142 100
141 88.9 70.5 105.7



#47
Dimethylphthalate
Concen: 3.486 ng/ul
RT: 14.251 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion:163 Resp: 123283
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 10.1 8.0 12.0





#50

Acenaphthylene

Concen: 3.406 ng/ul

RT: 14.534 min Scan# 1895

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

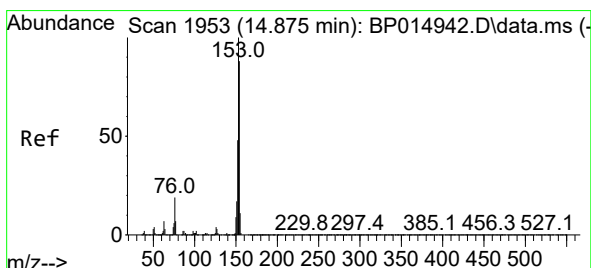
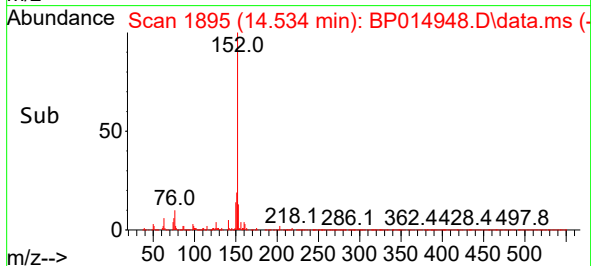
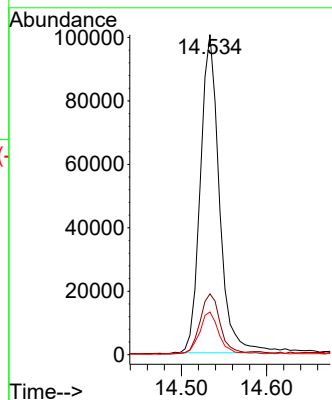
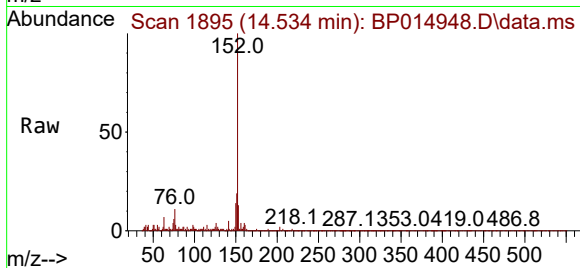
Tgt Ion:152 Resp: 155744

Ion Ratio Lower Upper

152 100

151 19.0 16.1 24.1

153 13.4 10.4 15.6



#52

Acenaphthene

Concen: 2.989 ng/ul

RT: 14.875 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

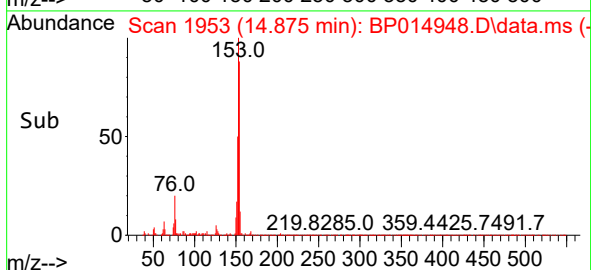
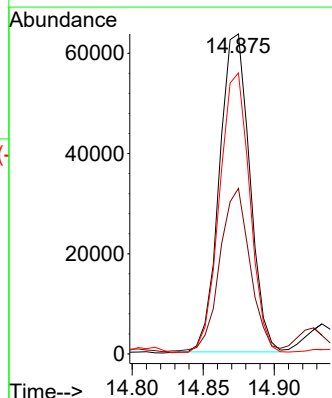
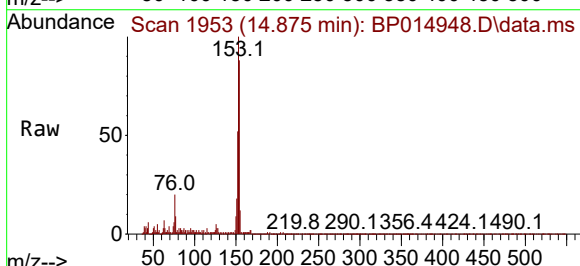
Tgt Ion:153 Resp: 94570

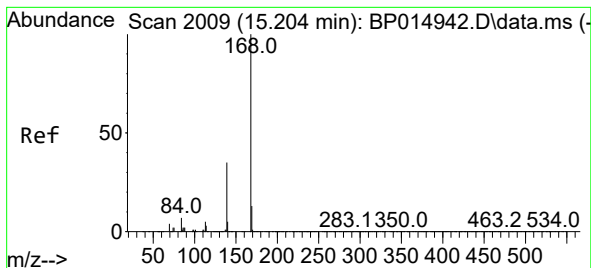
Ion Ratio Lower Upper

153 100

152 51.8 38.8 58.2

154 87.8 69.6 104.4

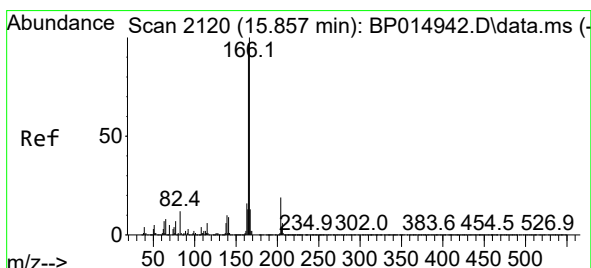
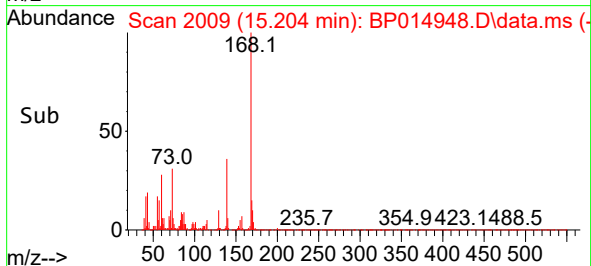
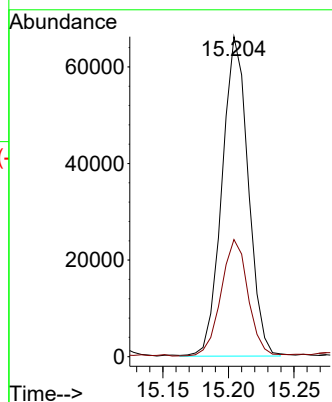
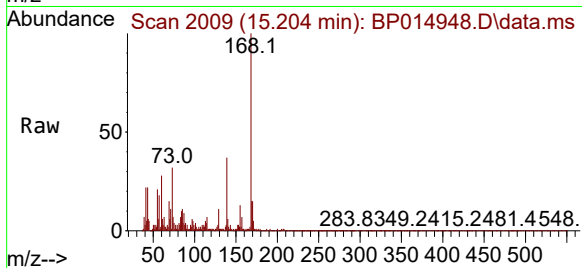




#56
Dibenzenofuran
Concen: 2.157 ng/ul
RT: 15.204 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

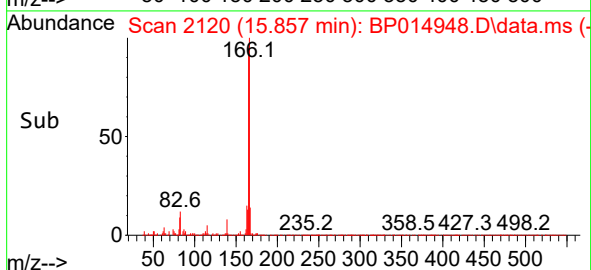
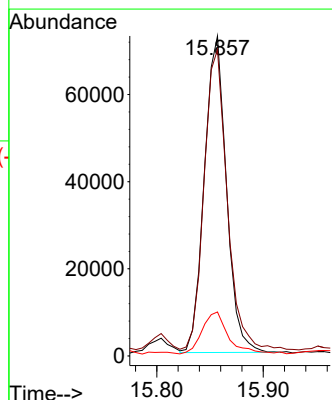
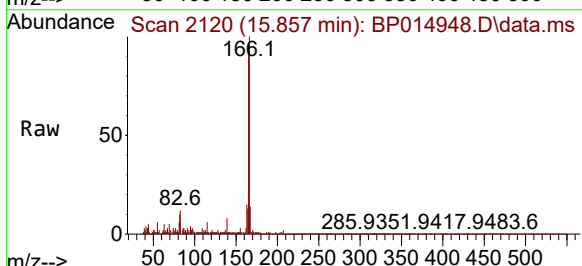
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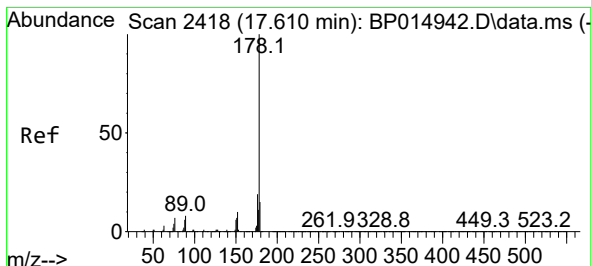
Tgt Ion:168 Resp: 92080
Ion Ratio Lower Upper
168 100
139 36.6 28.6 42.8



#61
Fluorene
Concen: 3.118 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion:166 Resp: 105032
Ion Ratio Lower Upper
166 100
165 95.8 79.3 118.9
167 13.8 10.7 16.1





#72

Phenanthrene

Concen: 22.915 ng/ul

RT: 17.610 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

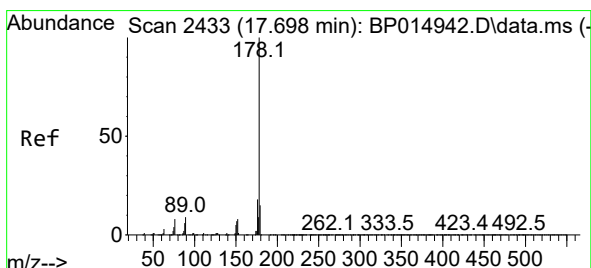
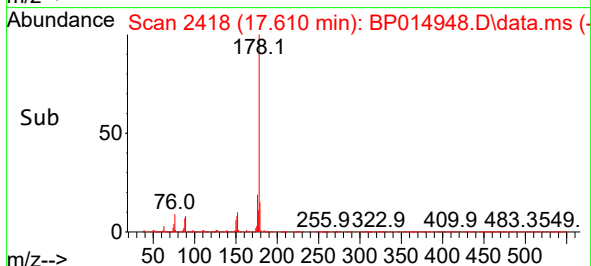
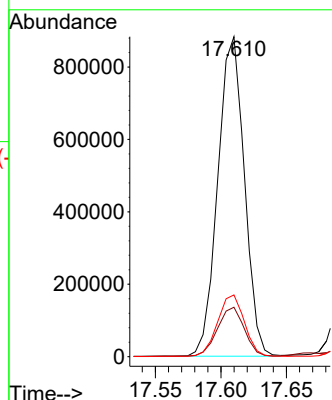
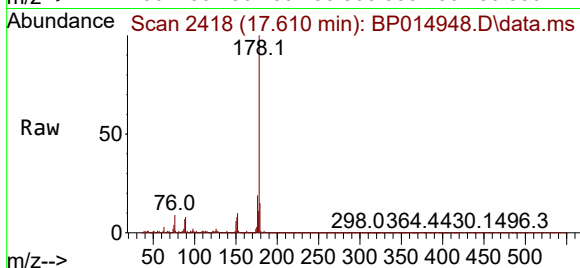
Tgt Ion:178 Resp: 1243513

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

176 19.3 15.4 23.0



#74

Anthracene

Concen: 6.079 ng/ul

RT: 17.698 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

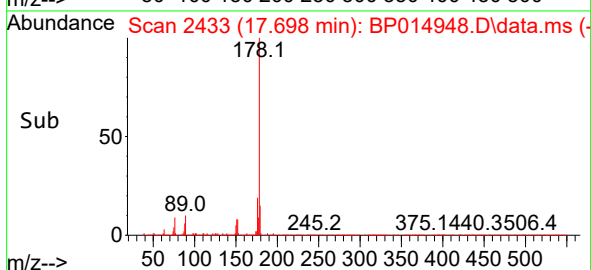
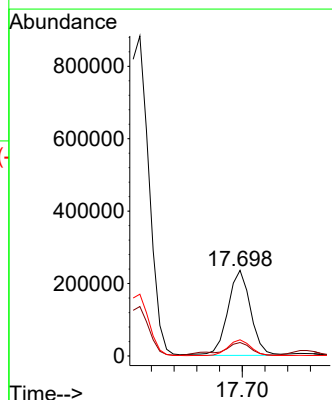
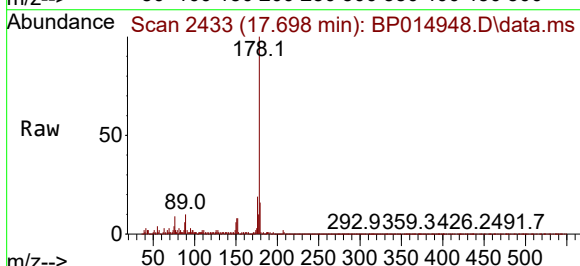
Tgt Ion:178 Resp: 328439

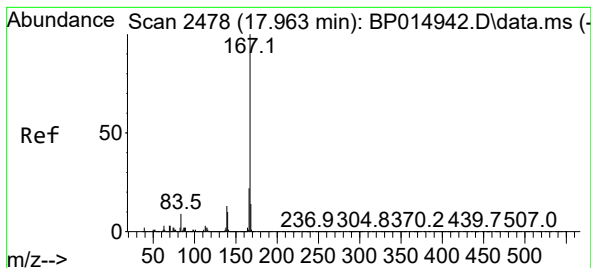
Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 18.9 15.0 22.4





#77

Carbazole

Concen: 2.204 ng/ul

RT: 17.963 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

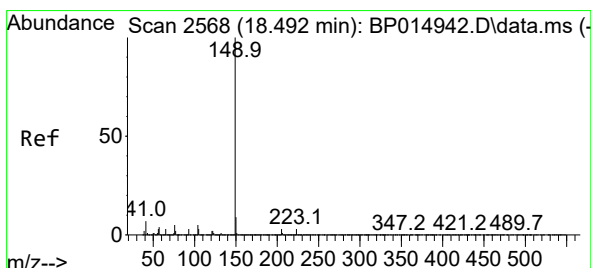
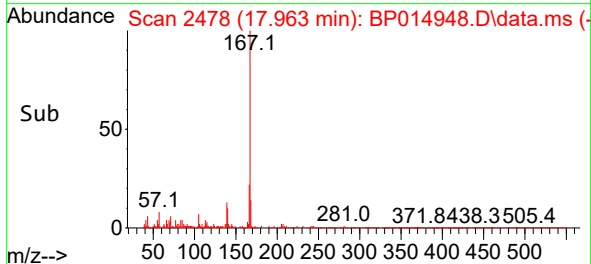
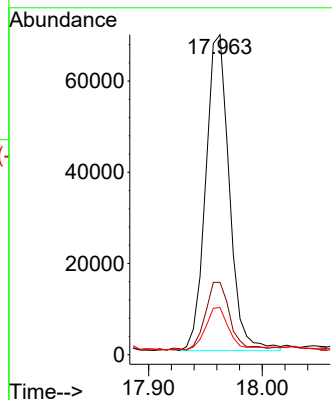
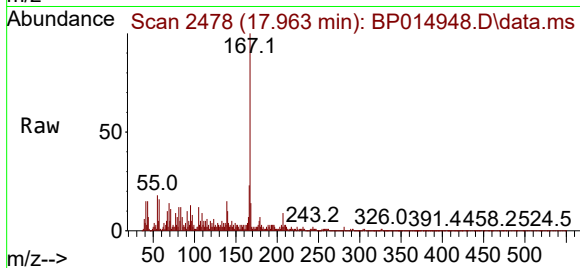
Tgt Ion:167 Resp: 100162

Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

139 14.8 10.1 15.1



#78

Di-n-butylphthalate

Concen: 17.957 ng/ul

RT: 18.492 min Scan# 2568

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

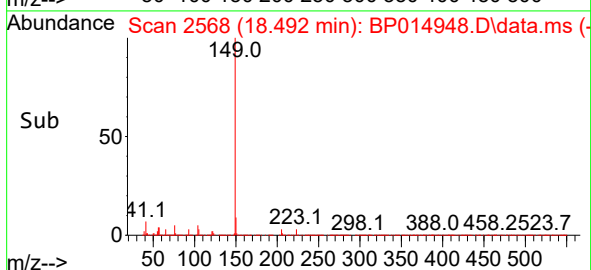
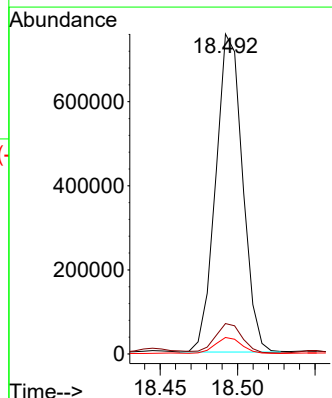
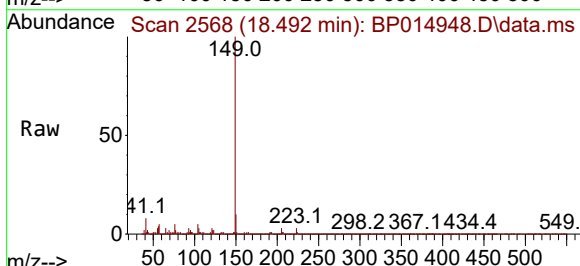
Tgt Ion:149 Resp: 912437

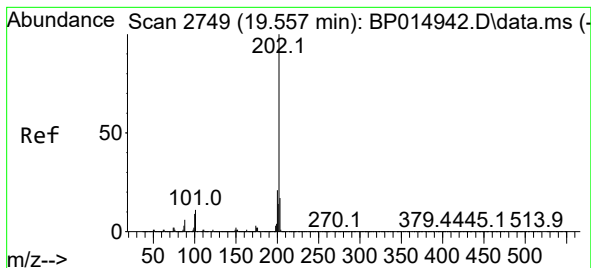
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

104 5.1 4.1 6.1





#80

Fluoranthene

Concen: 31.068 ng/ul

RT: 19.557 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

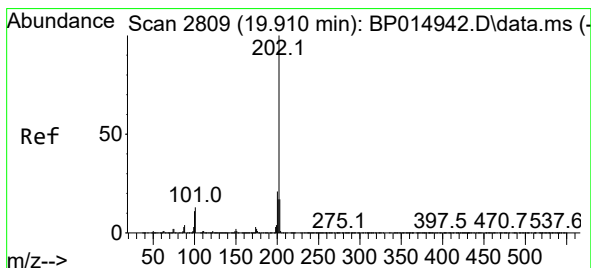
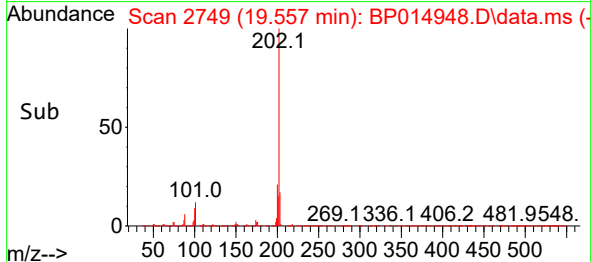
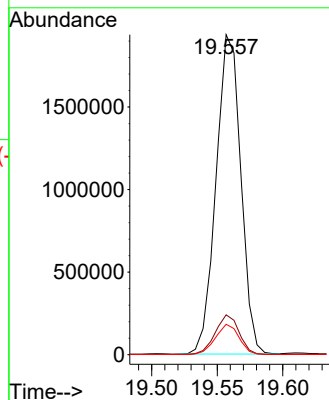
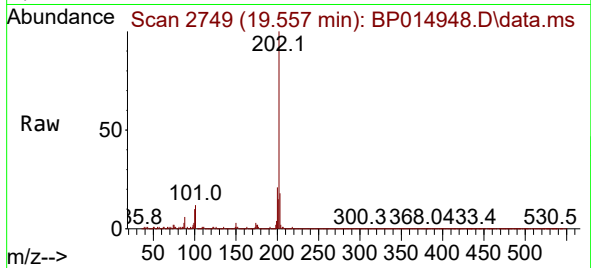
Tgt Ion:202 Resp: 2540902

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

100 9.5 7.7 11.5



#82

Pyrene

Concen: 31.337 ng/ul

RT: 19.910 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

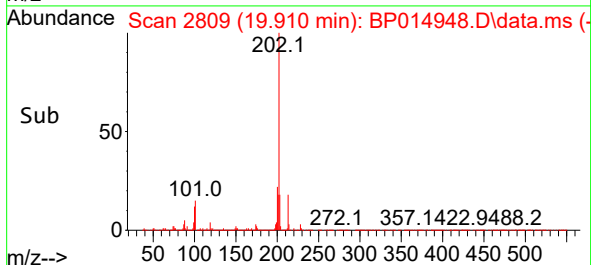
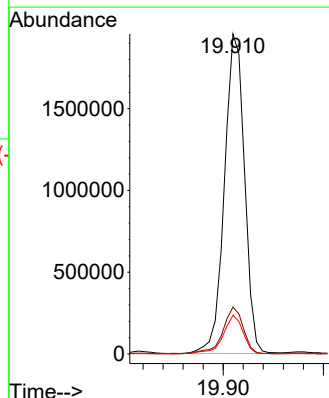
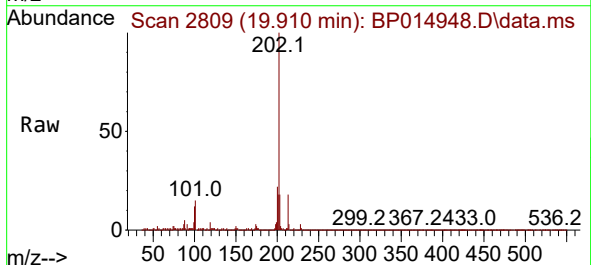
Tgt Ion:202 Resp: 2715285

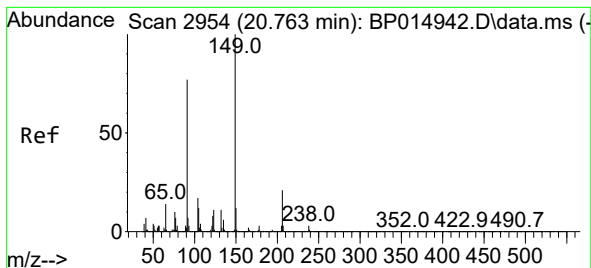
Ion Ratio Lower Upper

202 100

101 14.7 11.9 17.9

100 12.1 9.7 14.5





#83

Butylbenzylphthalate

Concen: 15.383 ng/ul

RT: 20.763 min Scan# 2954

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

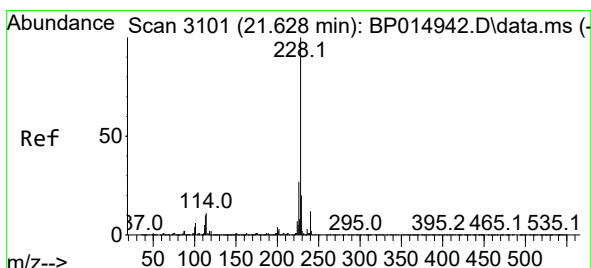
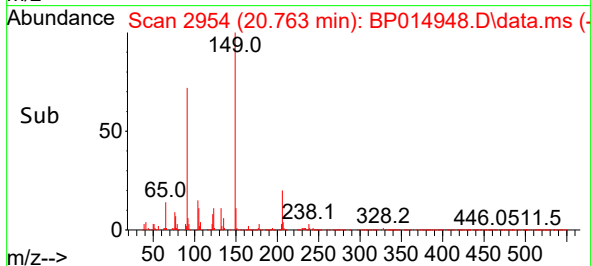
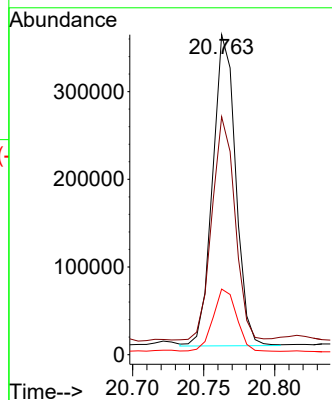
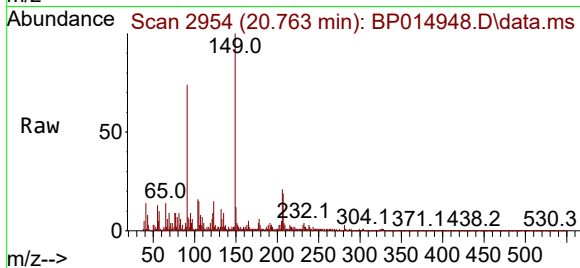
Tgt Ion:149 Resp: 400180

Ion Ratio Lower Upper

149 100

91 74.4 60.1 90.1

206 20.5 16.0 24.0



#85

Benzo(a)anthracene

Concen: 22.913 ng/ul

RT: 21.633 min Scan# 3102

Delta R.T. 0.006 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

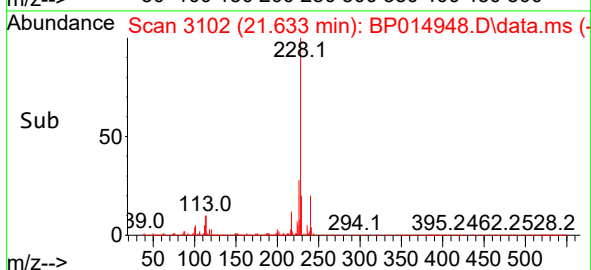
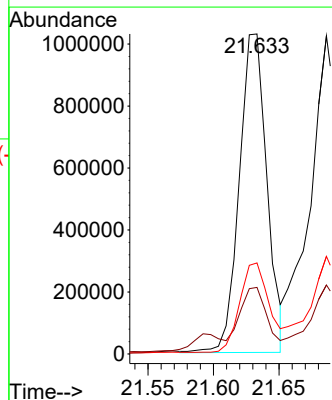
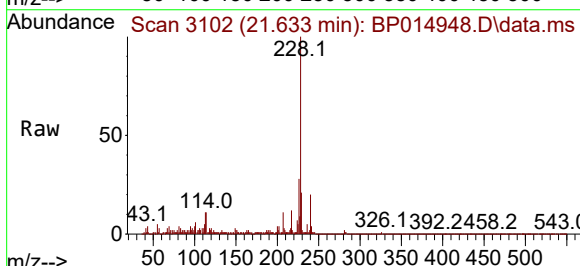
Tgt Ion:228 Resp: 1511390

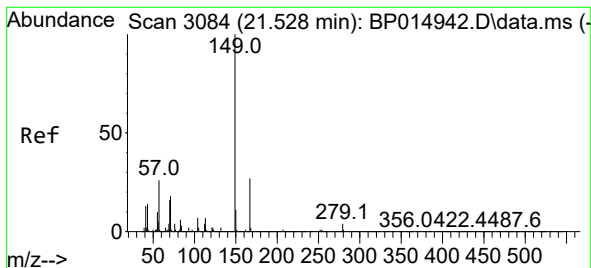
Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

226 28.4 22.1 33.1





#86

Bis(2-ethylhexyl)phthalate

Concen: 79.516 ng/ul

RT: 21.527 min Scan# 3084

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

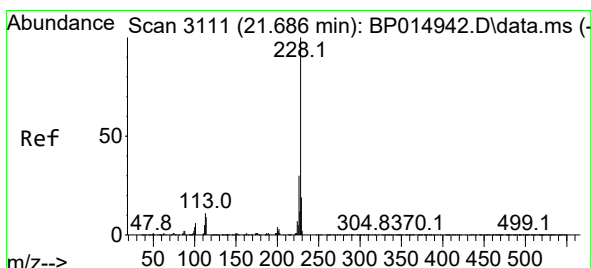
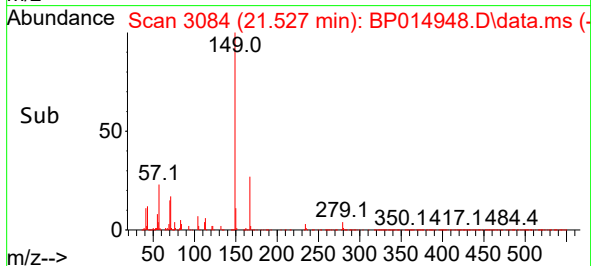
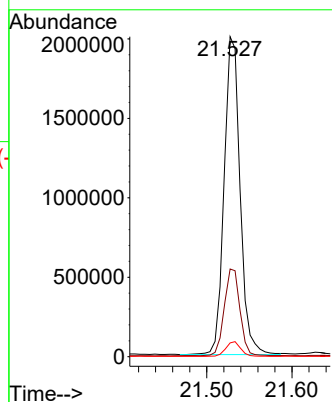
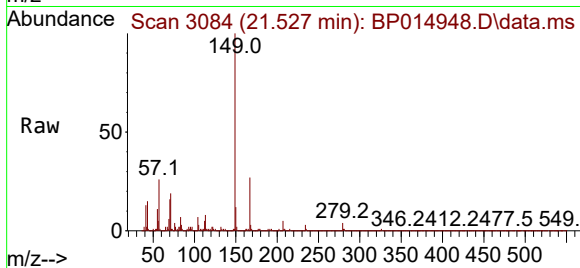
Tgt Ion:149 Resp: 2602844

Ion Ratio Lower Upper

149 100

167 27.4 22.0 33.0

279 4.3 2.9 4.3



#87

Chrysene

Concen: 24.045 ng/ul

RT: 21.686 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

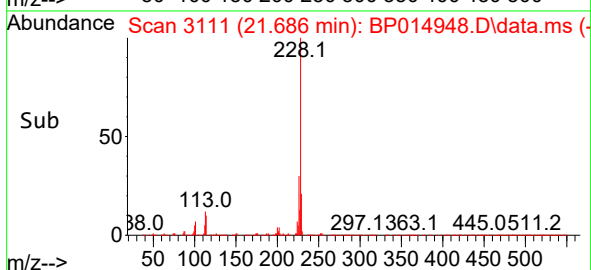
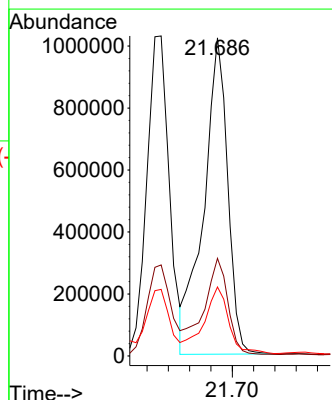
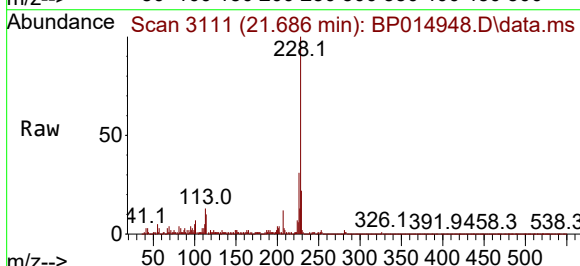
Tgt Ion:228 Resp: 1596951

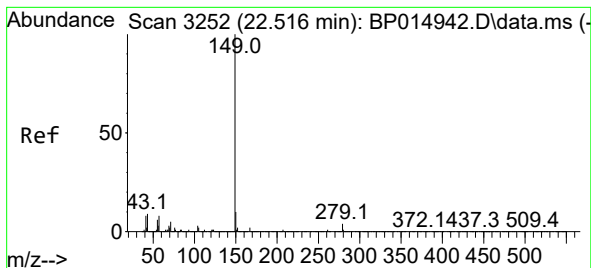
Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 21.7 15.8 23.8





#89

Di-n-octyl phthalate

Concen: 4.639 ng/ul

RT: 22.521 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

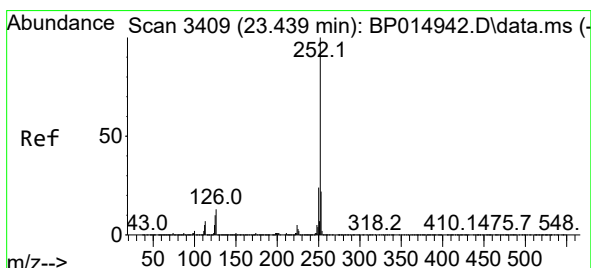
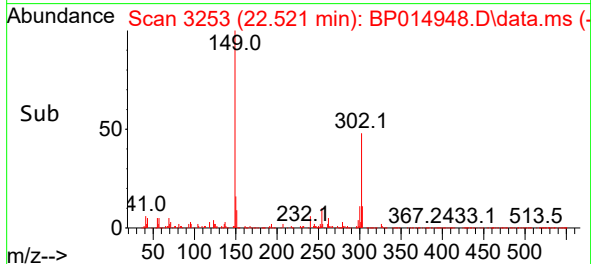
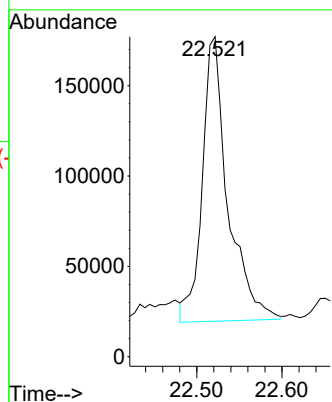
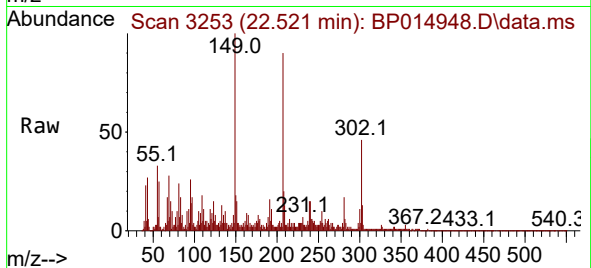
Instrument :

BNA_P

ClientSampleId :

EW933

Tgt Ion:149 Resp: 327878



#90

Benzo(b)fluoranthene

Concen: 27.631 ng/ul

RT: 23.451 min Scan# 3411

Delta R.T. 0.012 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

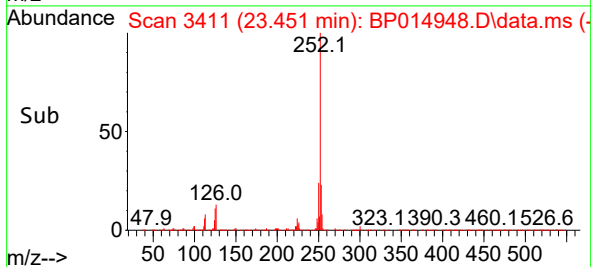
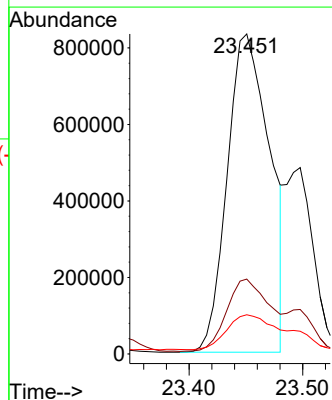
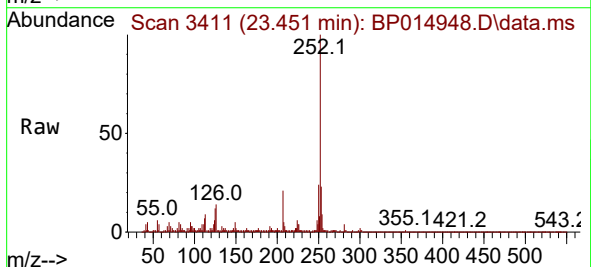
Tgt Ion:252 Resp: 2161437

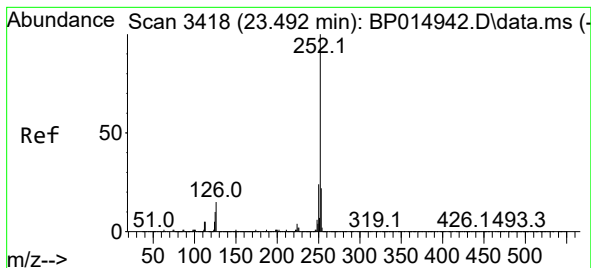
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 12.2 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 27.150 ng/ul

RT: 23.451 min Scan# 3418

Delta R.T. -0.041 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

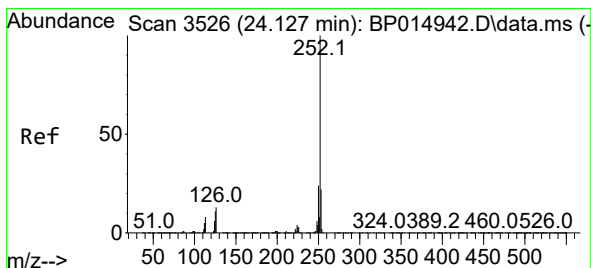
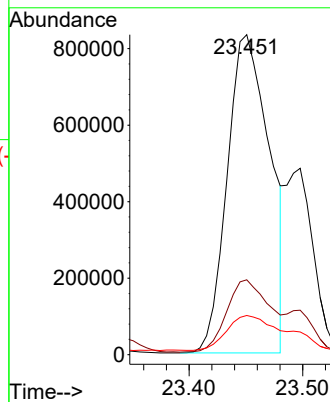
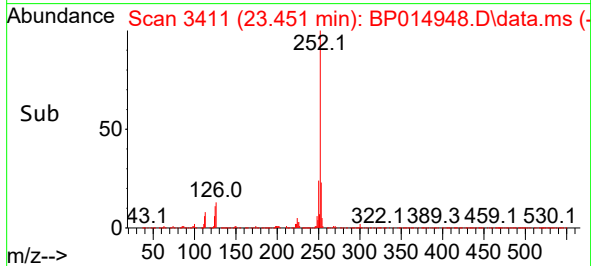
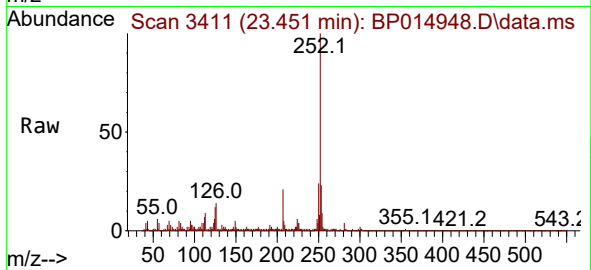
Tgt Ion:252 Resp: 2161437

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 12.2 8.9 13.3



#93

Benzo(a)pyrene

Concen: 22.325 ng/ul

RT: 24.133 min Scan# 3527

Delta R.T. 0.006 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

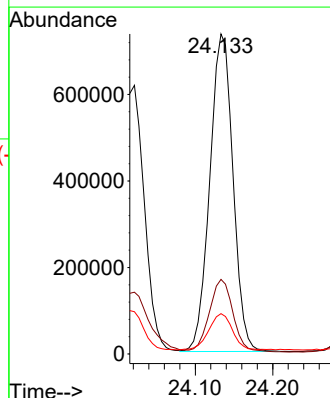
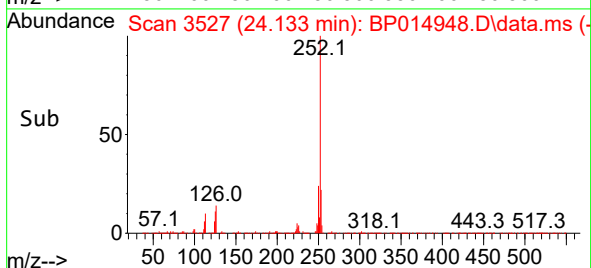
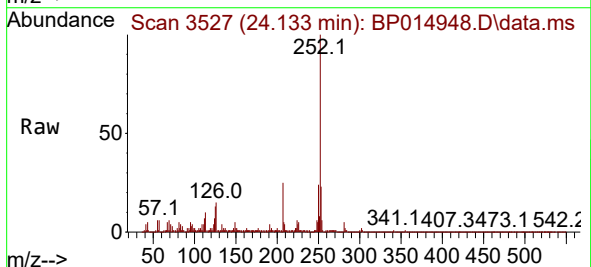
Tgt Ion:252 Resp: 1531538

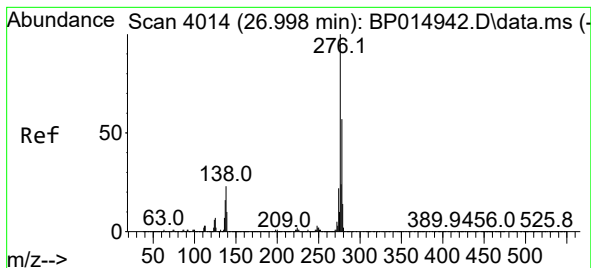
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 12.6 9.4 14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 15.658 ng/ul

RT: 27.009 min Scan# 4016

Delta R.T. 0.012 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

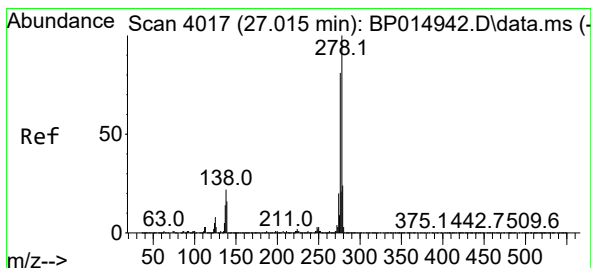
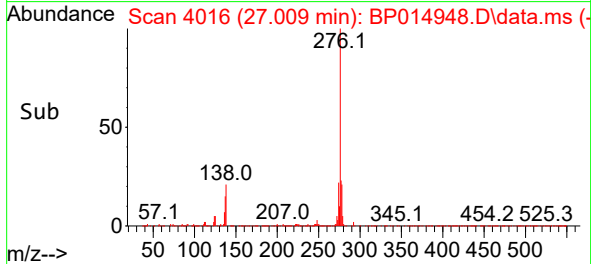
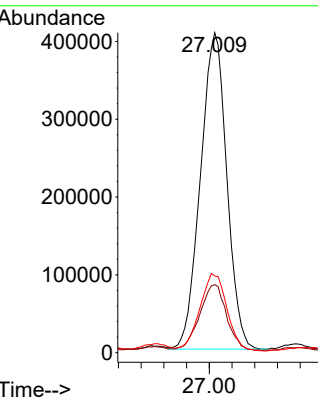
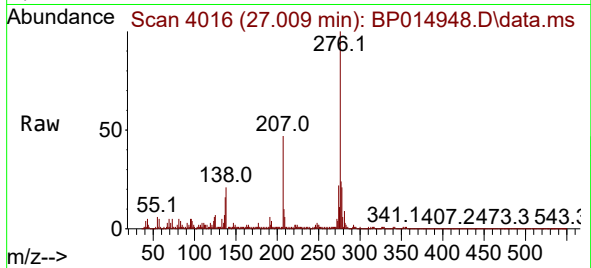
Tgt Ion:276 Resp: 1310330

Ion Ratio Lower Upper

276 100

138 21.3 19.4 29.0

277 24.0 19.4 29.2



#95

Dibenzo(a,h)anthracene

Concen: 5.035 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

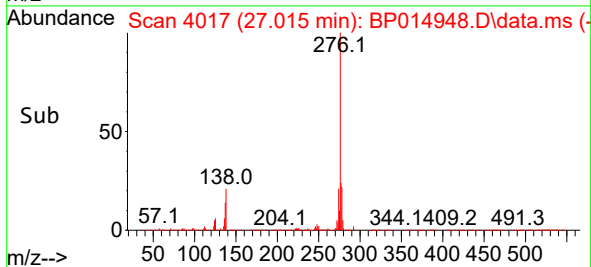
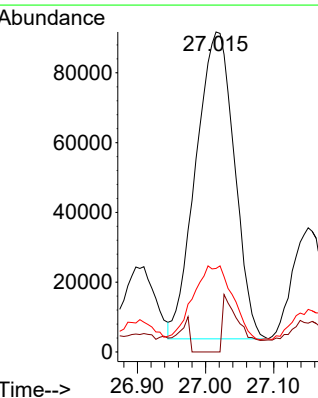
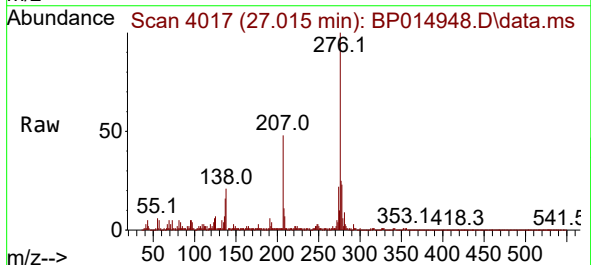
Tgt Ion:278 Resp: 345351

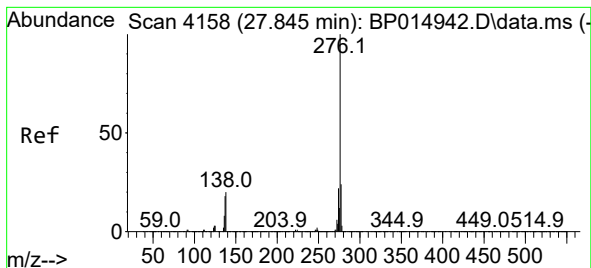
Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3#

279 26.1 19.0 28.6





#96

Benzo(g,h,i)perylene

Concen: 18.453 ng/ul

RT: 27.862 min Scan# 41

Delta R.T. 0.017 min

Lab File: BP014948.D

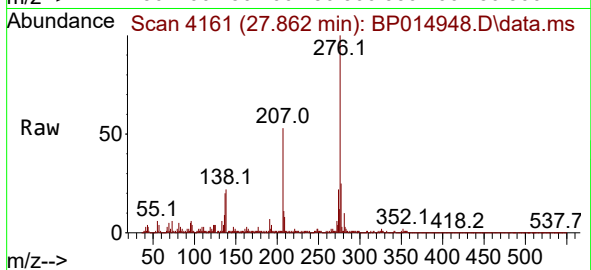
Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933



Tgt Ion:276 Resp: 1314277

Ion Ratio Lower Upper

276 100

138 21.7 18.0 27.0

277 24.6 19.8 29.8

