

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042324\
 Data File : BP020106.D
 Acq On : 23 Apr 2024 17:33
 Operator : MA/JU
 Sample : P2154-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA398

Quant Time: Apr 24 01:45:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 24 00:55:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	73857	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	304483	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.310	164	211596	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.151	188	460232	20.000	ng/u1	-0.01
79) Chrysene-d12	21.657	240	432723	20.000	ng/u1	0.00
88) Perylene-d12	25.068	264	476127	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	16562	10.188	ng/uL	0.00
4) Pyridine-d5	3.628	84	162407	33.314	ng/u1	0.00
7) Phenol-d5	6.816	99	303065	48.928	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.987	67	197408	49.028	ng/u1	0.00
11) 2-Chlorophenol-d4	7.175	132	215305	48.076	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	240196	50.486	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	110159	48.596	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	127370	48.638	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	236638	48.949	ng/u1	0.00
31) 4-Chloroaniline-d4	10.569	131	177626	29.518	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	779181	52.699	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	865709	49.887	ng/u1	0.00
54) 4-Nitrophenol-d4	14.569	143	122583	55.406	ng/u1	0.00
60) Fluorene-d10	15.339	176	676339	53.003	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.487	200	105900	47.963	ng/u1	0.00
73) Anthracene-d10	17.257	188	1105061	54.216	ng/u1	0.00
81) Pyrene-d10	19.669	212	1346851	54.697	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.827	264	1253614	54.159	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.081	93	737302	142.777	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.169	45	1254093	174.629	ng/u1	99
22) Nitrobenzene	8.834	77	227368	32.933	ng/u1	98
23) Isophorone	9.352	82	434707	34.868	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.840	93	771017	108.164	ng/u1	98
36) 2-Methylnaphthalene	12.081	142	831499	79.510	ng/u1	100
37) 1-Methylnaphthalene	12.316	142	10911	1.048	ng/u1	100
47) Dimethylphthalate	13.781	163	3065405	203.773	ng/u1	99
50) Acenaphthylene	14.028	152	511593	26.359	ng/u1	99
52) Acenaphthene	14.381	153	719162	56.285	ng/u1	99
61) Fluorene	15.398	166	882814	60.733	ng/u1	98
68) 4-Bromophenyl-phenylether	16.316	248	149205	29.743	ng/u1	99
69) Hexachlorobenzene	16.422	284	348475	61.349	ng/u1	100
72) Phenanthrene	17.198	178	1168927	49.534	ng/u1	99
74) Anthracene	17.292	178	1240375	51.744	ng/u1	99
78) Di-n-butylphthalate	18.192	149	3559345	139.450	ng/u1	99
82) Pyrene	19.698	202	925521	30.982	ng/u1	99
83) Butylbenzylphthalate	20.674	149	1299875	108.179	ng/u1	97
85) Benzo(a)anthracene	21.639	228	738617	24.617	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.592	149	2044144	115.709	ng/u1	99
89) Di-n-octyl phthalate	22.904	149	4870105	163.181	ng/u1	100
90) Benzo(b)fluoranthene	23.986	252	943437	32.741	ng/u1	98
91) Benzo(k)fluoranthene	24.051	252	1044116	36.996	ng/u1	99
93) Benzo(a)pyrene	24.892	252	407740	15.138	ng/u1	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 24 00:55:52 2024
Response via : Initial Calibration

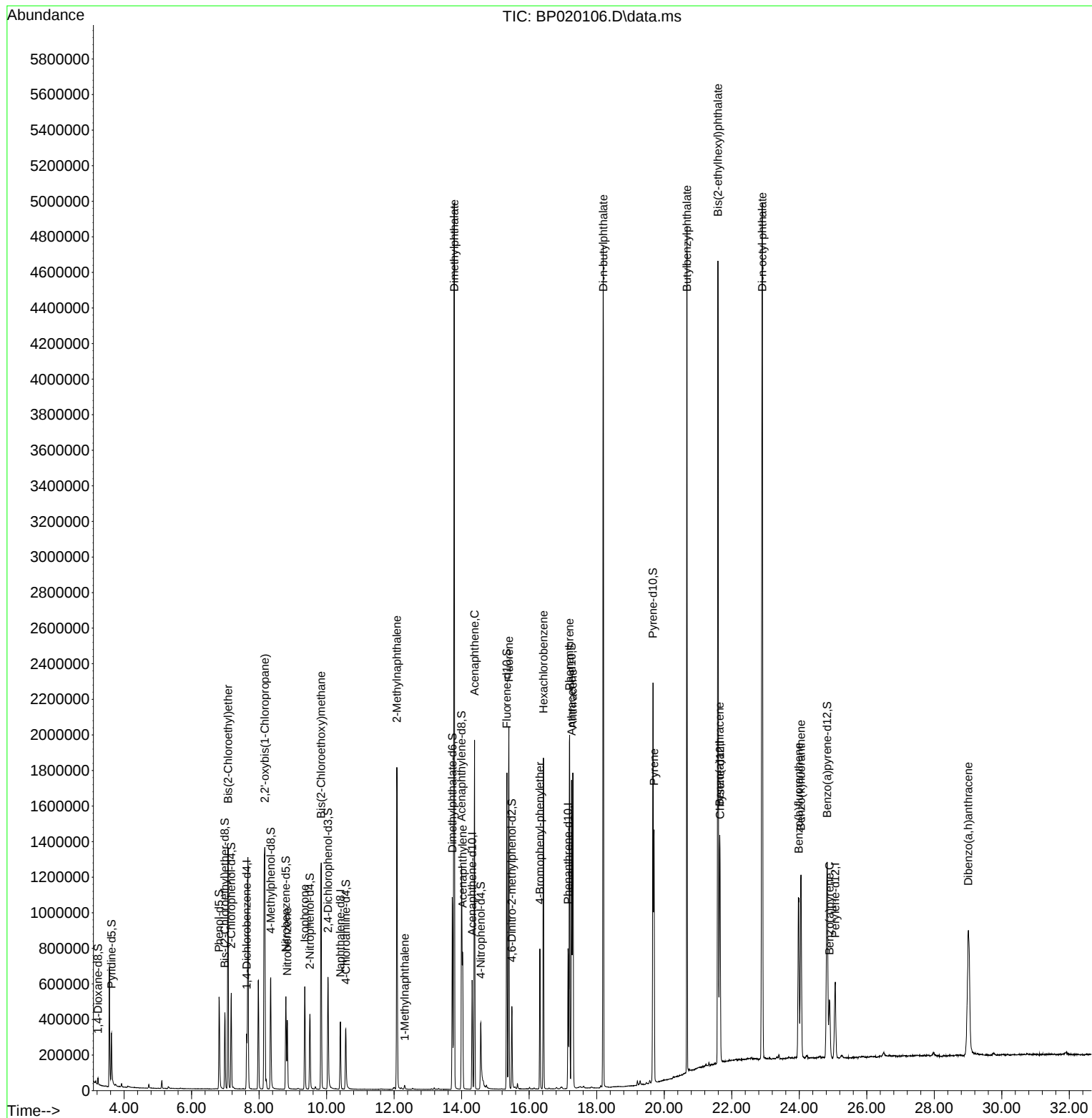
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	29.009	278	1396684	52.750	ng/ul	97

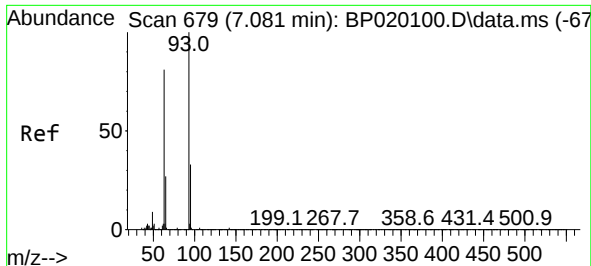
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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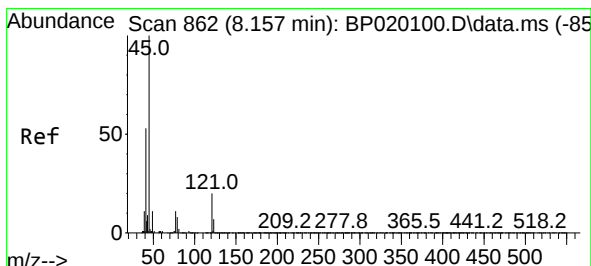
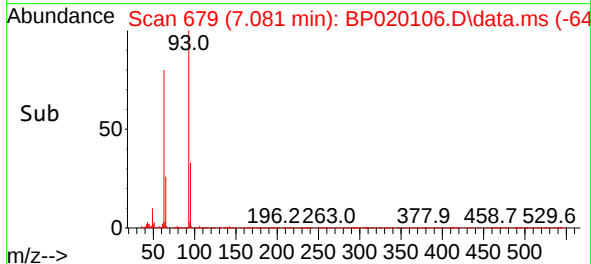
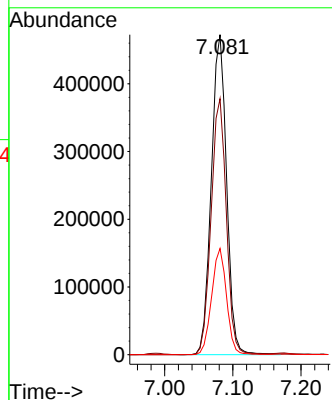
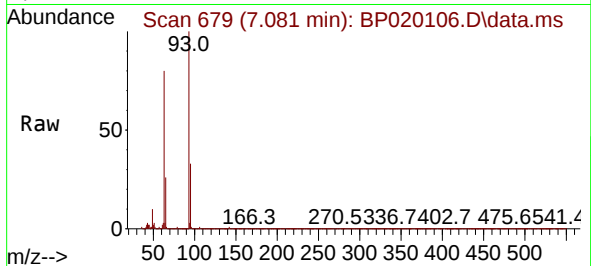




#10
 Bis(2-Chloroethyl)ether
 Concen: 142.777 ng/ul
 RT: 7.081 min Scan# 610
 Delta R.T. 0.000 min
 Lab File: BP020106.D
 Acq: 23 Apr 2024 17:33

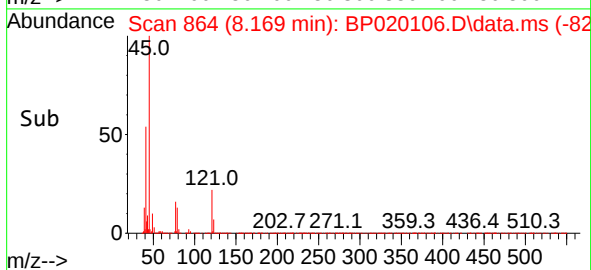
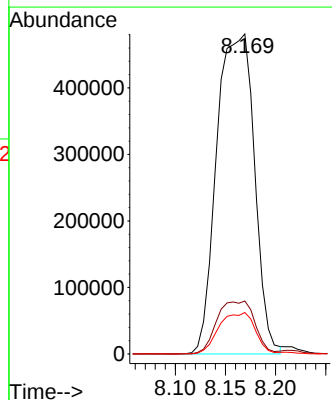
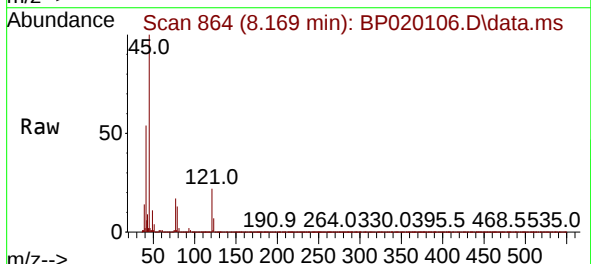
Instrument :
 BNA_P
 ClientSampleId :
 XA398

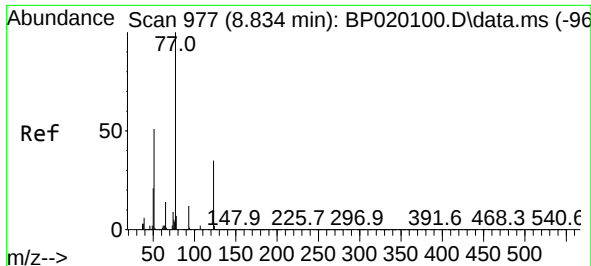
Tgt Ion: 93 Resp: 737302
 Ion Ratio Lower Upper
 93 100
 63 80.0 64.7 97.1
 95 33.2 26.2 39.4



#14
 2,2'-oxybis(1-Chloropropane)
 Concen: 174.629 ng/ul
 RT: 8.169 min Scan# 864
 Delta R.T. 0.012 min
 Lab File: BP020106.D
 Acq: 23 Apr 2024 17:33

Tgt Ion: 45 Resp: 1254093
 Ion Ratio Lower Upper
 45 100
 77 16.5 13.4 20.2
 79 13.0 10.7 16.1

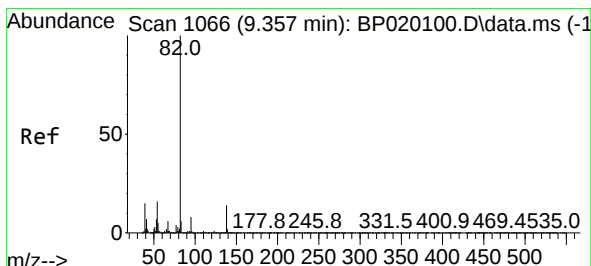
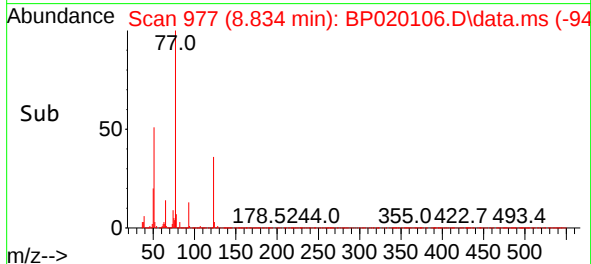
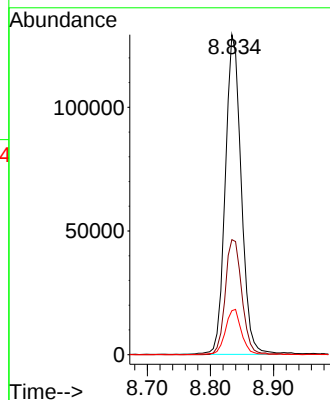
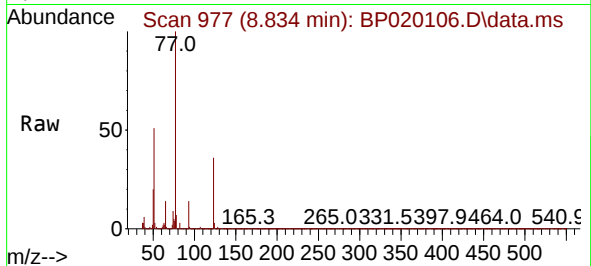




#22
Nitrobenzene
Concen: 32.933 ng/ul
RT: 8.834 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

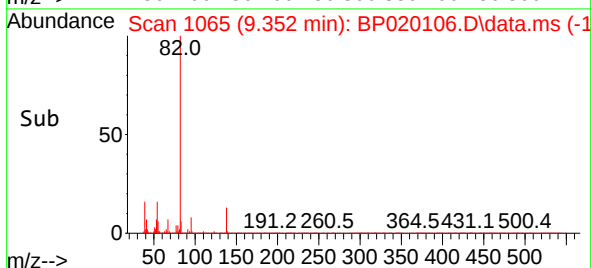
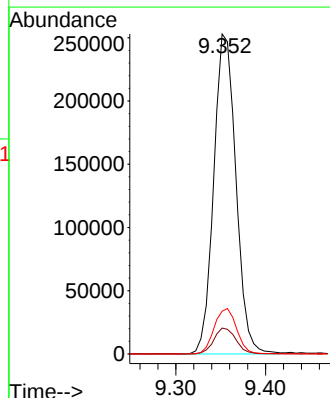
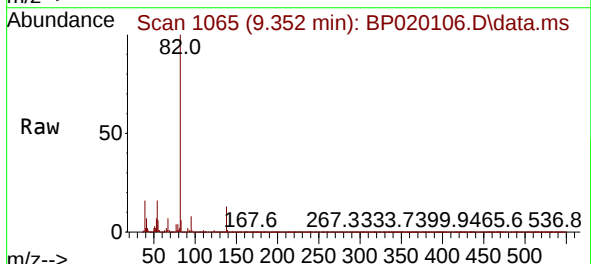
Instrument :
BNA_P
ClientSampleId :
XA398

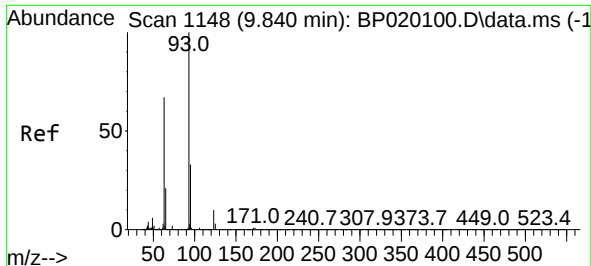
Tgt Ion: 77 Resp: 227368
Ion Ratio Lower Upper
77 100
123 36.0 27.8 41.6
65 13.8 11.5 17.3



#23
Isophorone
Concen: 34.868 ng/ul
RT: 9.352 min Scan# 1065
Delta R.T. -0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

Tgt Ion: 82 Resp: 434707
Ion Ratio Lower Upper
82 100
95 8.1 6.5 9.7
138 13.4 11.4 17.2





#27

Bis(2-Chloroethoxy)methane

Concen: 108.164 ng/ul

RT: 9.840 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

Instrument :

BNA_P

ClientSampleId :

XA398

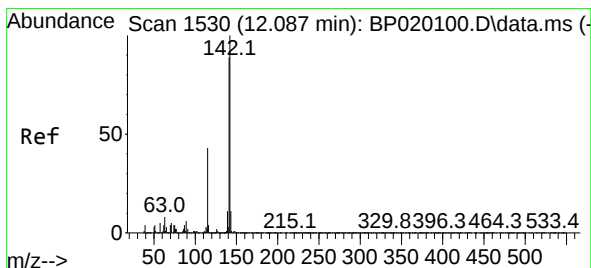
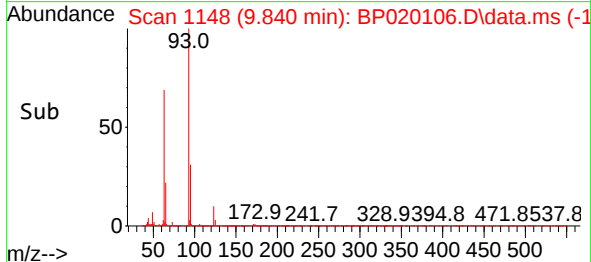
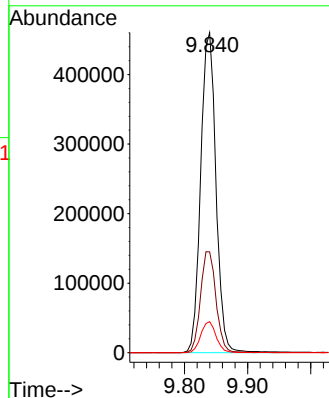
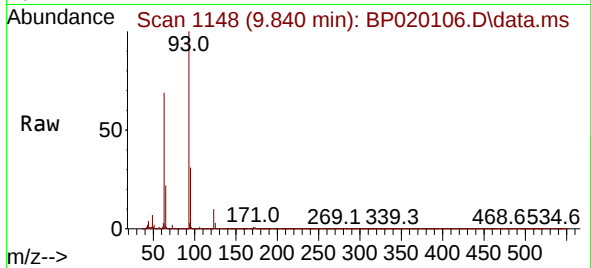
Tgt Ion: 93 Resp: 771017

Ion Ratio Lower Upper

93 100

95 31.5 26.2 39.4

123 9.7 8.2 12.4



#36

2-Methylnaphthalene

Concen: 79.510 ng/ul

RT: 12.081 min Scan# 1529

Delta R.T. -0.006 min

Lab File: BP020106.D

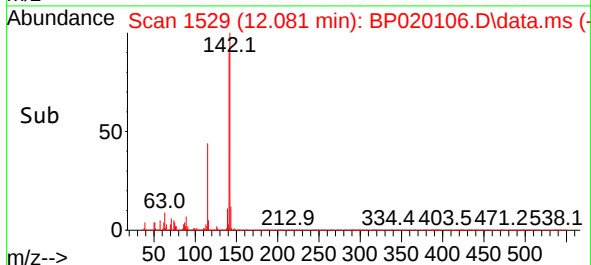
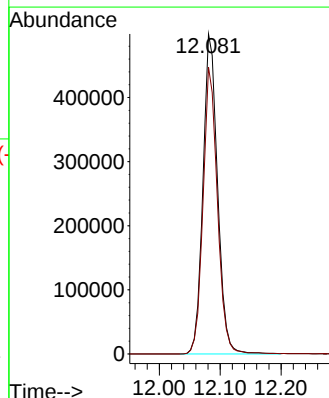
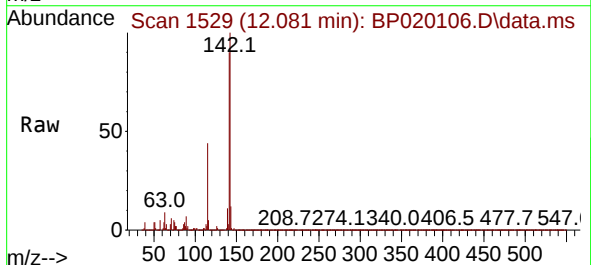
Acq: 23 Apr 2024 17:33

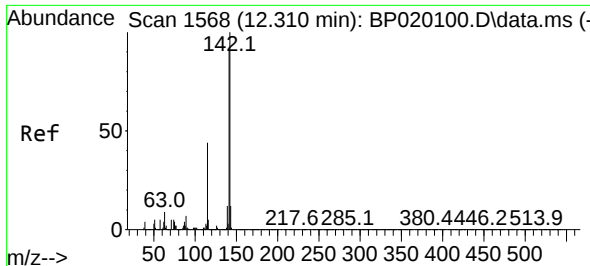
Tgt Ion:142 Resp: 831499

Ion Ratio Lower Upper

142 100

141 89.7 71.4 107.2

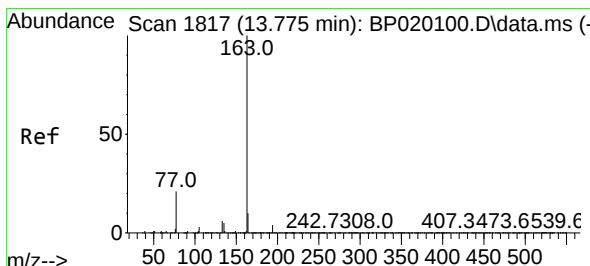
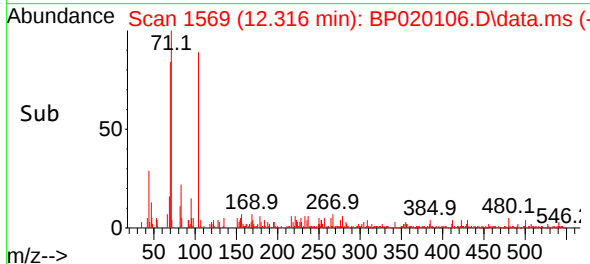
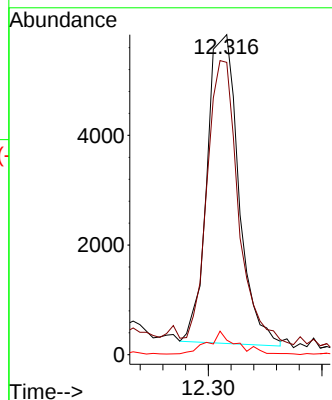
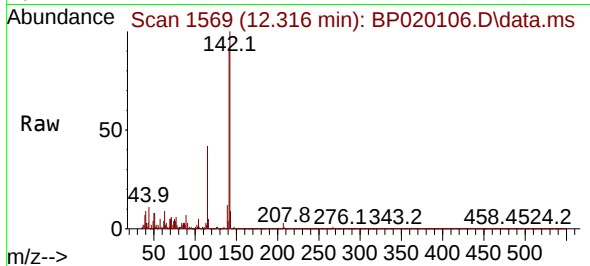




#37
1-Methylnaphthalene
Concen: 1.048 ng/ul
RT: 12.316 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

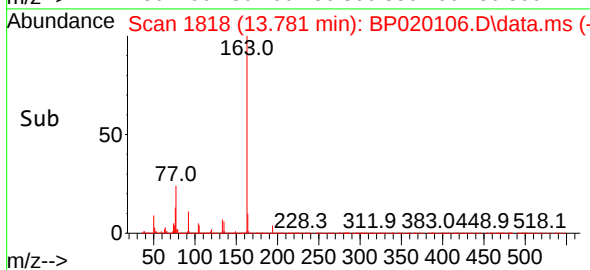
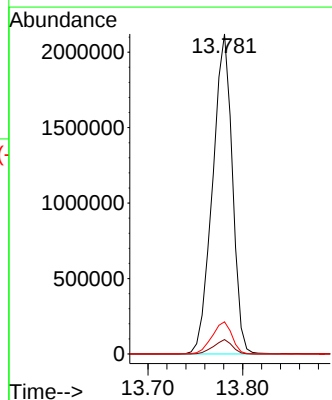
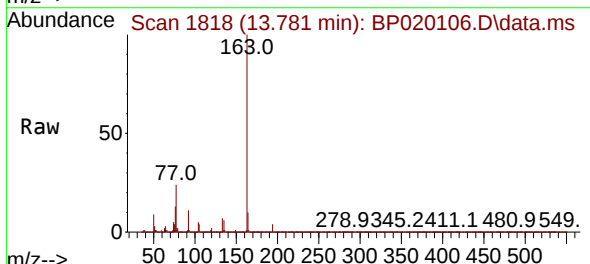
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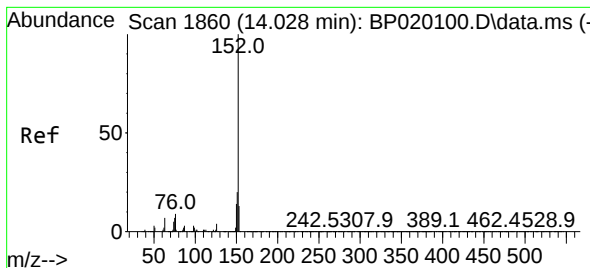
Tgt Ion:	142	Resp:	10911
Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.2	109.8
116	4.5	3.7	5.5



#47
Dimethylphthalate
Concen: 203.773 ng/ul
RT: 13.781 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

Tgt Ion:	163	Resp:	3065405
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.1	4.7
164	10.1	8.0	12.0





#50

Acenaphthylene

Concen: 26.359 ng/ul

RT: 14.028 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

Instrument :

BNA_P

ClientSampleId :

XA398

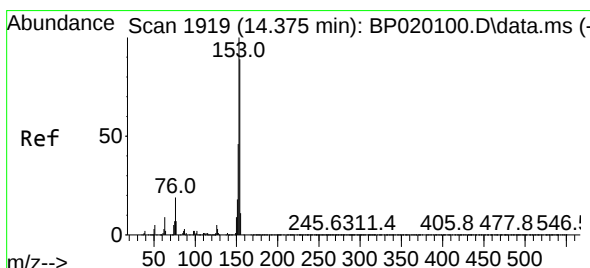
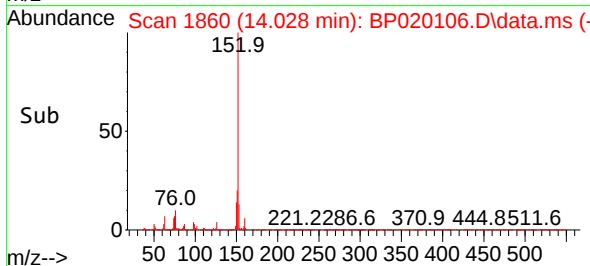
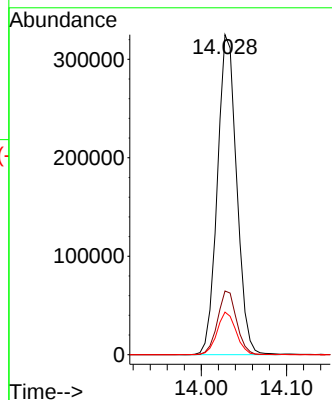
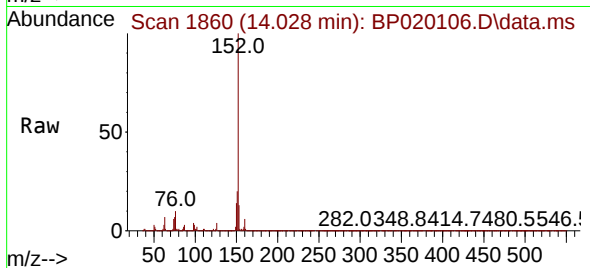
Tgt Ion:152 Resp: 511593

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

153 13.3 10.3 15.5



#52

Acenaphthene

Concen: 56.285 ng/ul

RT: 14.381 min Scan# 1920

Delta R.T. 0.006 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

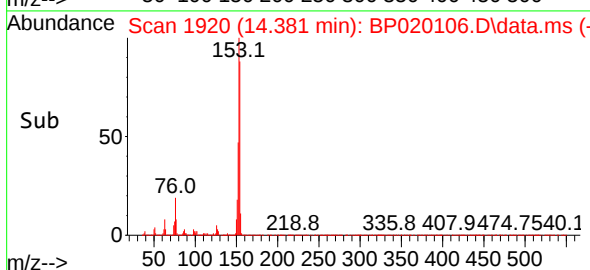
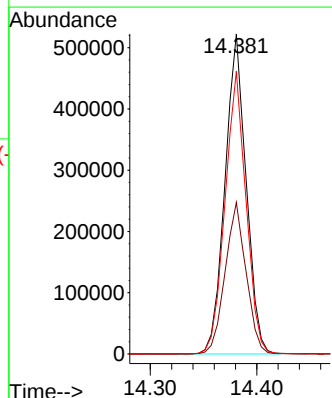
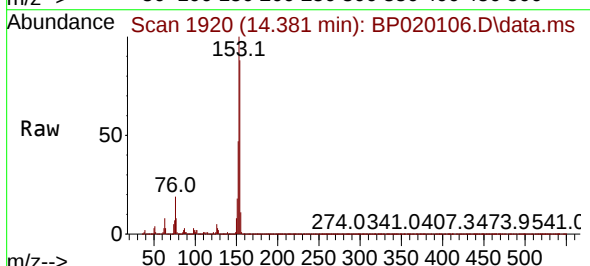
Tgt Ion:153 Resp: 719162

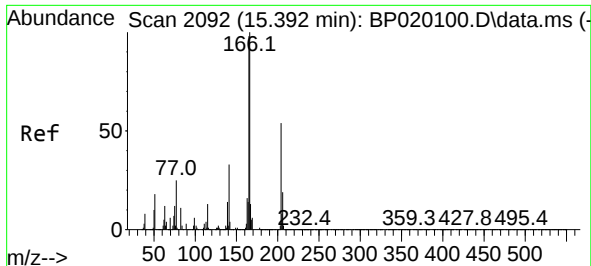
Ion Ratio Lower Upper

153 100

152 47.3 36.9 55.3

154 88.4 71.6 107.4

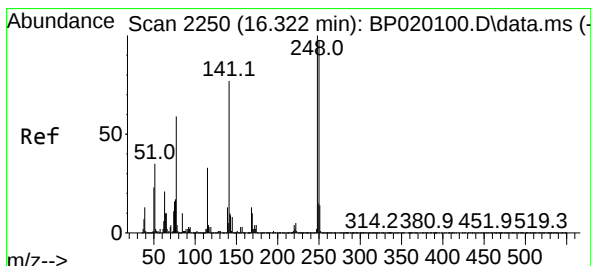
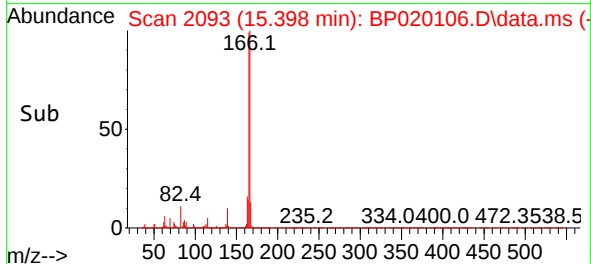
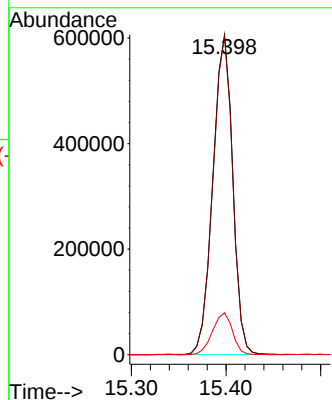
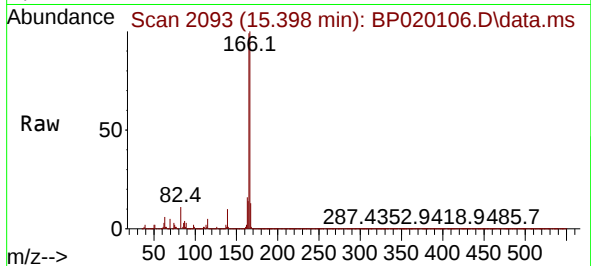




#61
Fluorene
Concen: 60.733 ng/ul
RT: 15.398 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

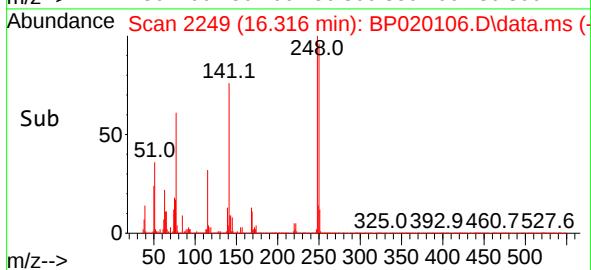
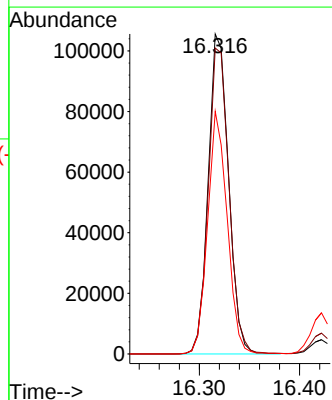
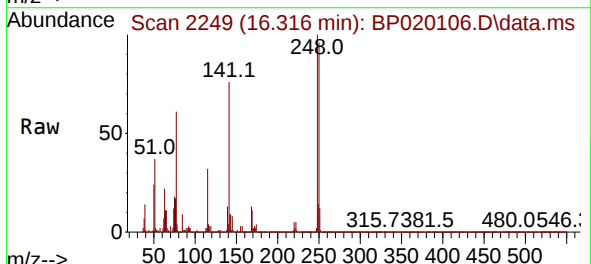
Instrument :
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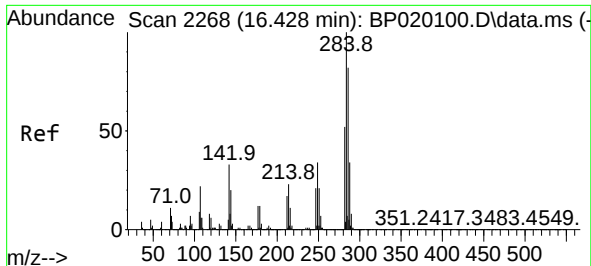
Tgt Ion:166 Resp: 882814
Ion Ratio Lower Upper
166 100
165 99.3 78.0 117.0
167 13.1 10.4 15.6



#68
4-Bromophenyl-phenylether
Concen: 29.743 ng/ul
RT: 16.316 min Scan# 2249
Delta R.T. -0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

Tgt Ion:248 Resp: 149205
Ion Ratio Lower Upper
248 100
250 95.6 77.8 116.6
141 75.8 61.4 92.0

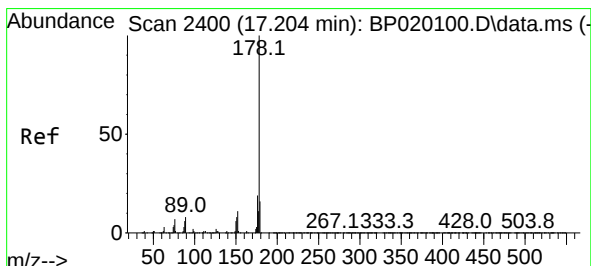
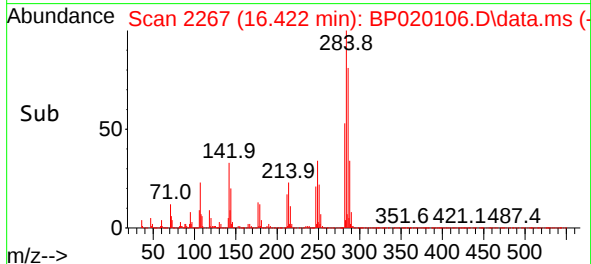
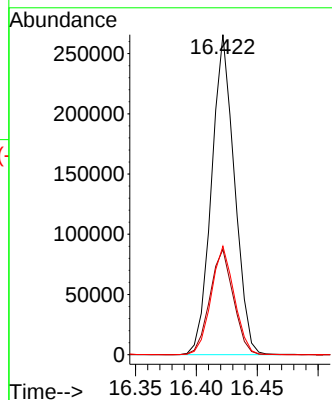
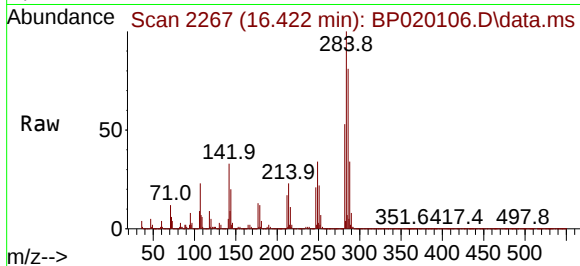




#69
Hexachlorobenzene
Concen: 61.349 ng/ul
RT: 16.422 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

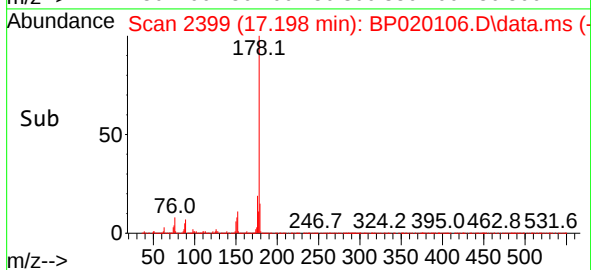
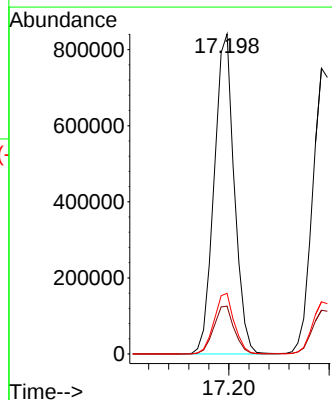
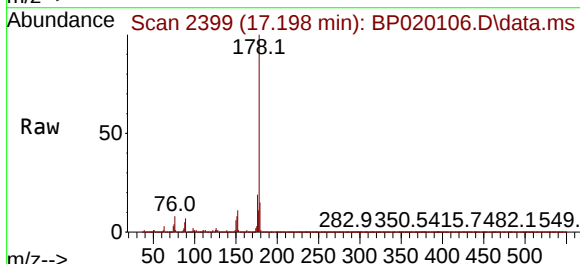
Instrument :
BNA_P
ClientSampleId :
XA398

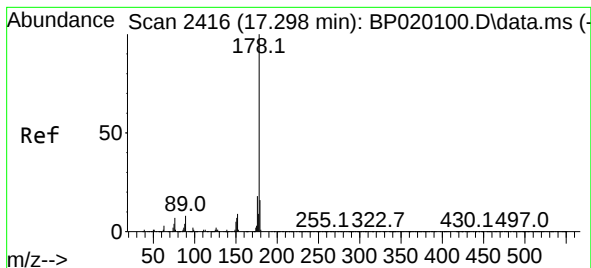
Tgt Ion:284 Resp: 348475
Ion Ratio Lower Upper
284 100
142 32.9 26.2 39.2
249 33.9 27.0 40.4



#72
Phenanthrene
Concen: 49.534 ng/ul
RT: 17.198 min Scan# 2399
Delta R.T. -0.006 min
Lab File: BP020106.D
Acq: 23 Apr 2024 17:33

Tgt Ion:178 Resp: 1168927
Ion Ratio Lower Upper
178 100
179 14.9 12.6 18.8
176 19.0 15.0 22.4





#74

Anthracene

Concen: 51.744 ng/ul

RT: 17.292 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

Instrument :

BNA_P

ClientSampleId :

XA398

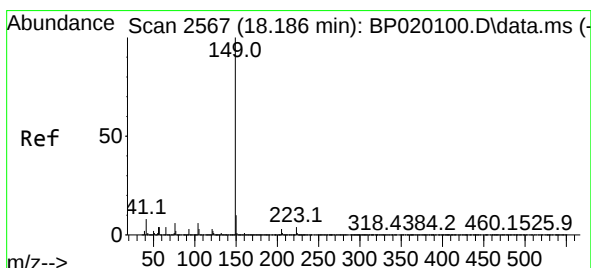
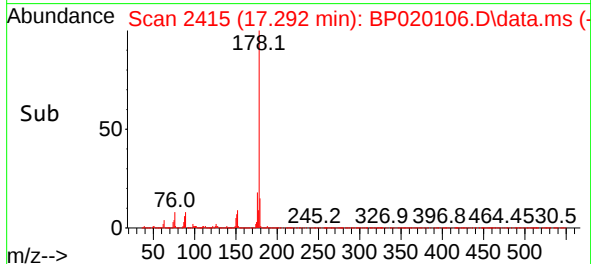
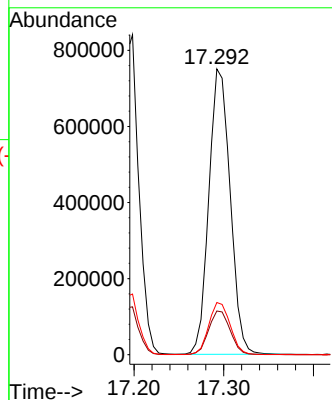
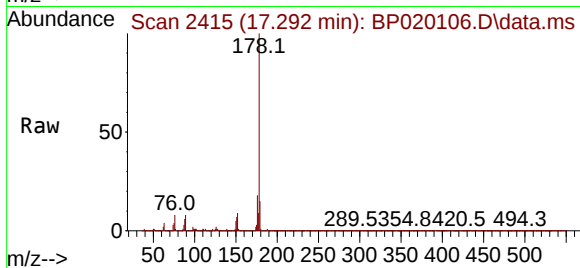
Tgt Ion:178 Resp: 1240375

Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

176 18.3 14.6 21.8



#78

Di-n-butylphthalate

Concen: 139.450 ng/ul

RT: 18.192 min Scan# 2568

Delta R.T. 0.006 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

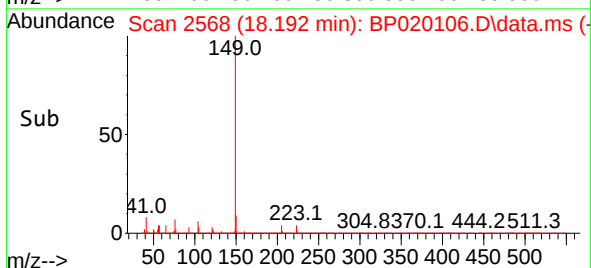
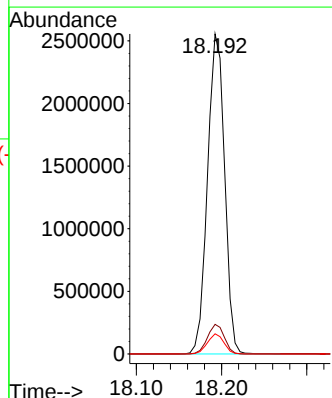
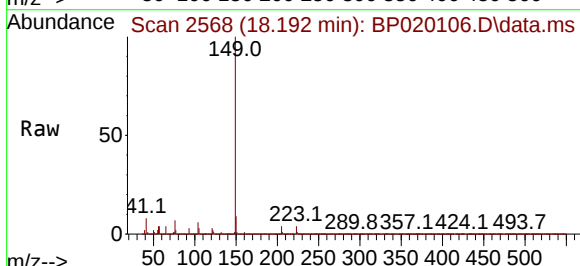
Tgt Ion:149 Resp: 3559345

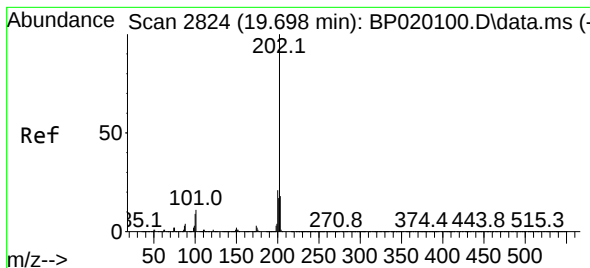
Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

104 6.3 4.9 7.3





#82

Pyrene

Concen: 30.982 ng/ul

RT: 19.698 min Scan# 2824

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

Instrument :

BNA_P

ClientSampleId :

XA398

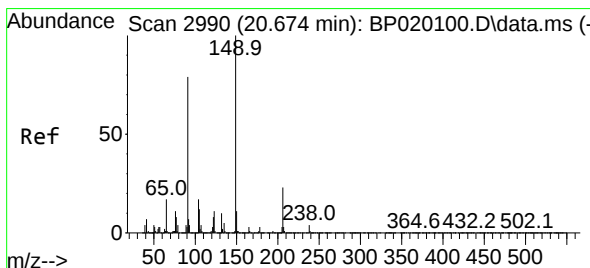
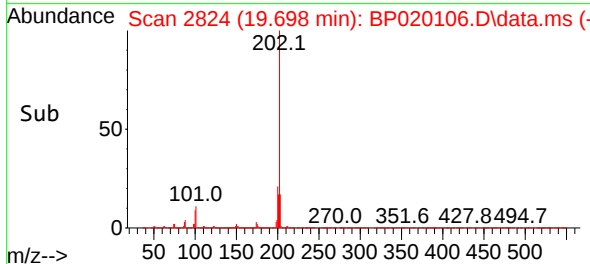
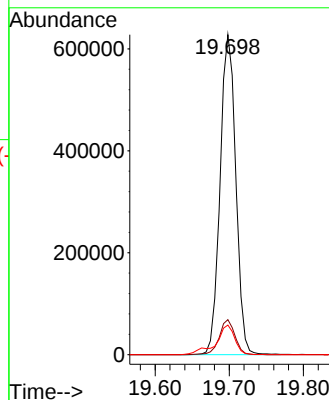
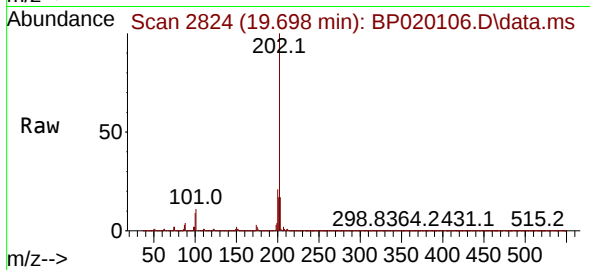
Tgt Ion:202 Resp: 925521

Ion Ratio Lower Upper

202 100

101 10.9 9.1 13.7

100 9.3 7.3 10.9



#83

Butylbenzylphthalate

Concen: 108.179 ng/ul

RT: 20.674 min Scan# 2990

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

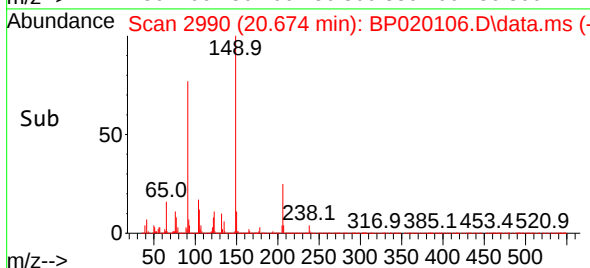
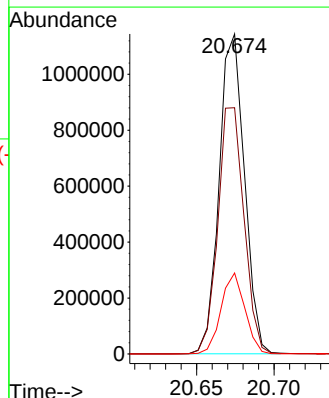
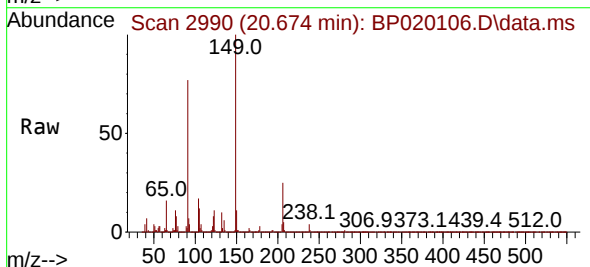
Tgt Ion:149 Resp: 1299875

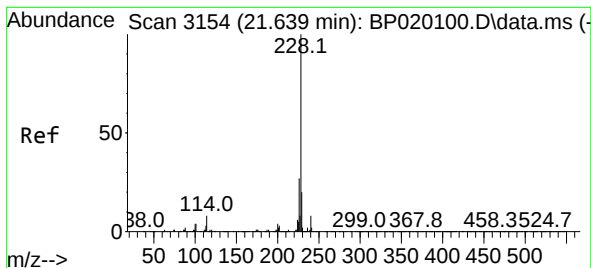
Ion Ratio Lower Upper

149 100

91 76.9 63.3 94.9

206 25.3 18.4 27.6





#85

Benzo(a)anthracene

Concen: 24.617 ng/ul

RT: 21.639 min Scan# 3154

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

Instrument :

BNA_P

ClientSampleId :

XA398

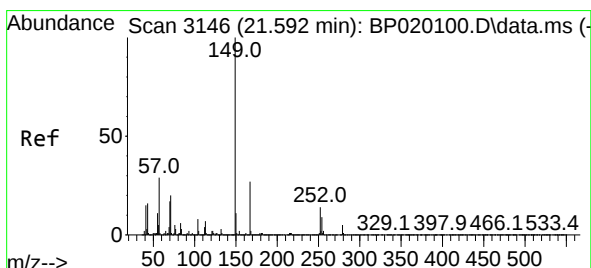
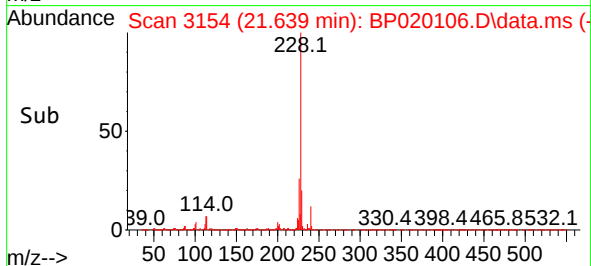
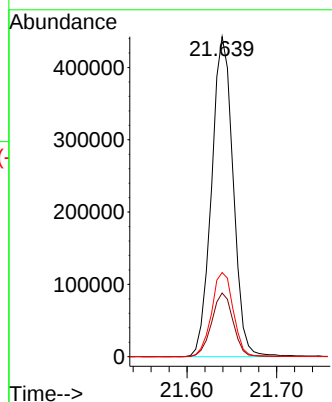
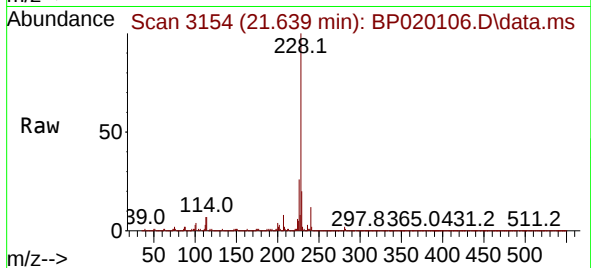
Tgt Ion:228 Resp: 738617

Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.6

226 26.3 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 115.709 ng/ul

RT: 21.592 min Scan# 3146

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

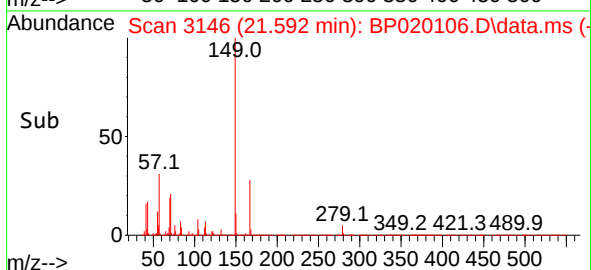
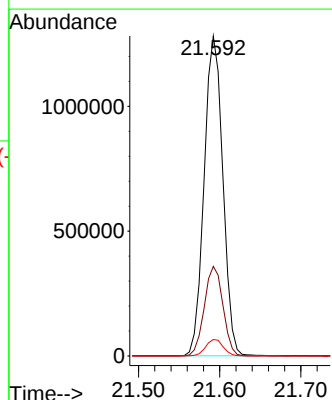
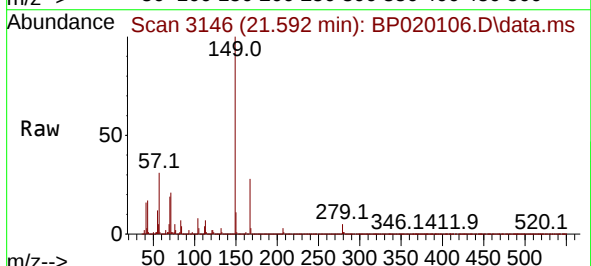
Tgt Ion:149 Resp: 2044144

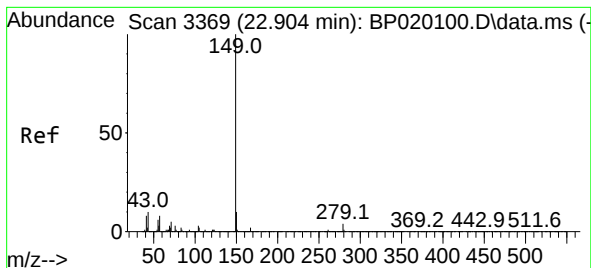
Ion Ratio Lower Upper

149 100

167 28.0 21.8 32.8

279 5.1 3.8 5.8





#89

Di-n-octyl phthalate

Concen: 163.181 ng/ul

RT: 22.904 min Scan# 3369

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

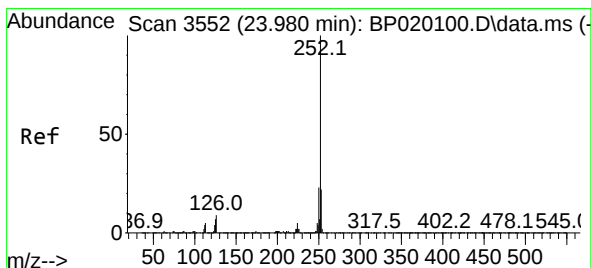
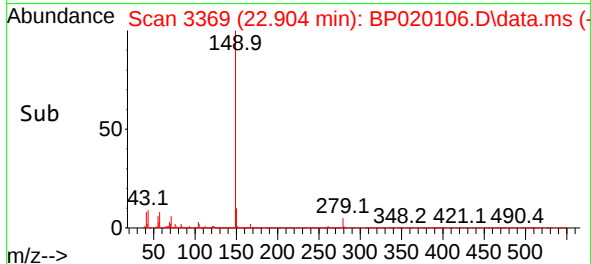
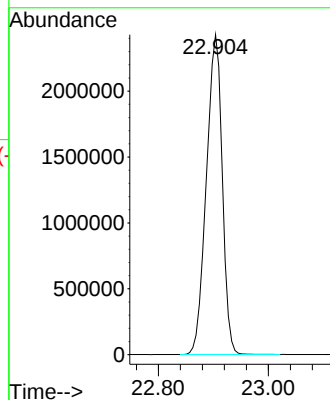
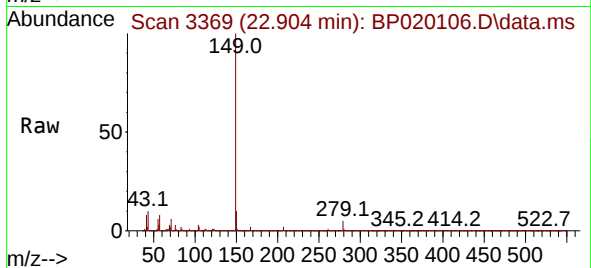
Instrument :

BNA_P

ClientSampleId :

XA398

Tgt Ion:149 Resp: 4870105



#90

Benzo(b)fluoranthene

Concen: 32.741 ng/ul

RT: 23.986 min Scan# 3553

Delta R.T. 0.006 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

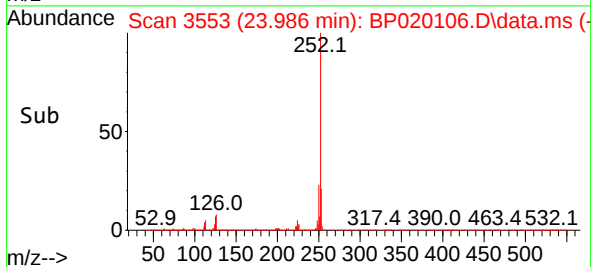
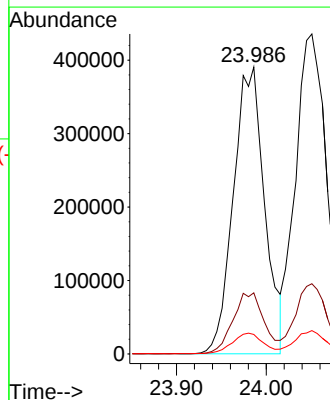
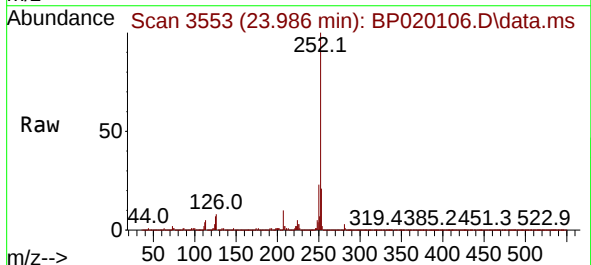
Tgt Ion:252 Resp: 943437

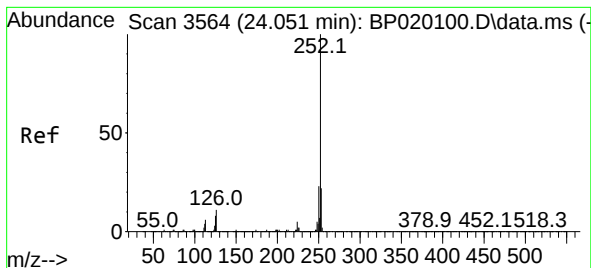
Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

125 6.8 5.7 8.5





#91

Benzo(k)fluoranthene

Concen: 36.996 ng/u1

RT: 24.051 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

Instrument :

BNA_P

ClientSampleId :

XA398

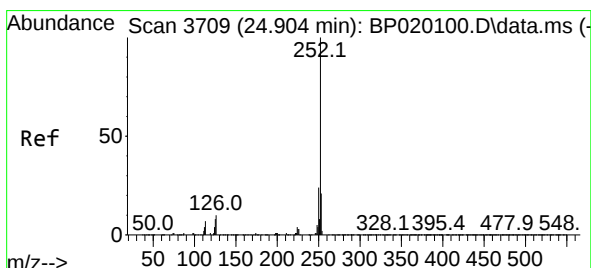
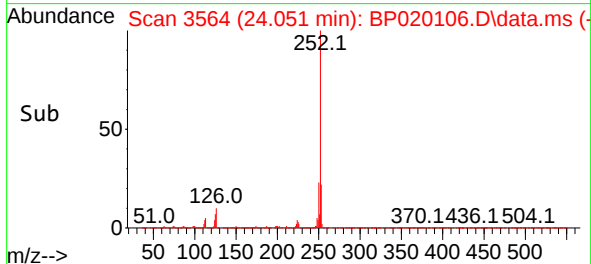
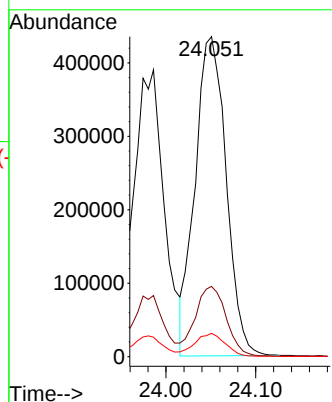
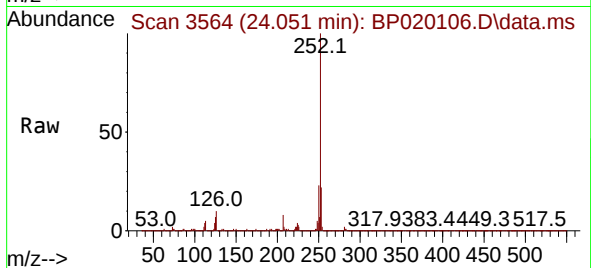
Tgt Ion:252 Resp: 1044116

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 7.3 6.2 9.4



#93

Benzo(a)pyrene

Concen: 15.138 ng/u1

RT: 24.892 min Scan# 3707

Delta R.T. -0.012 min

Lab File: BP020106.D

Acq: 23 Apr 2024 17:33

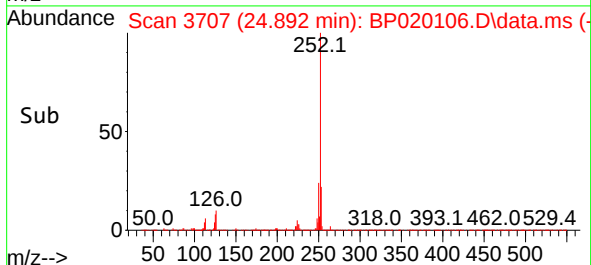
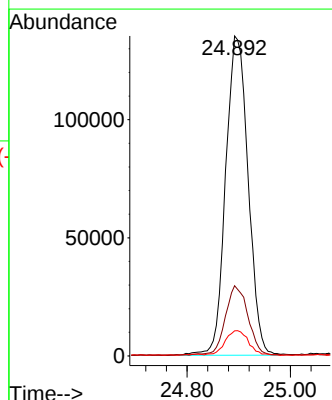
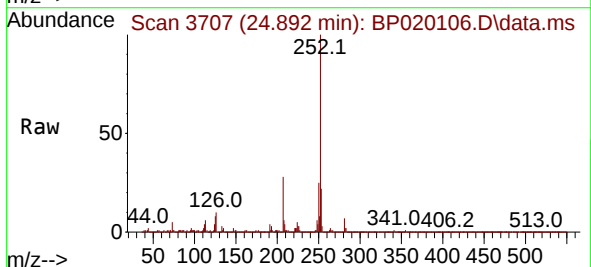
Tgt Ion:252 Resp: 407740

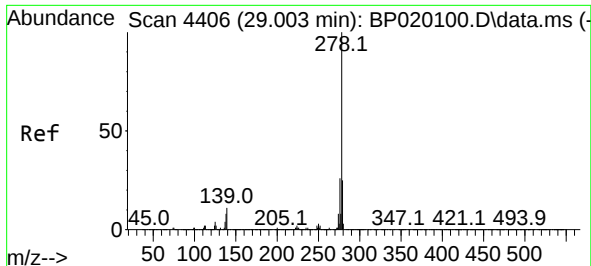
Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

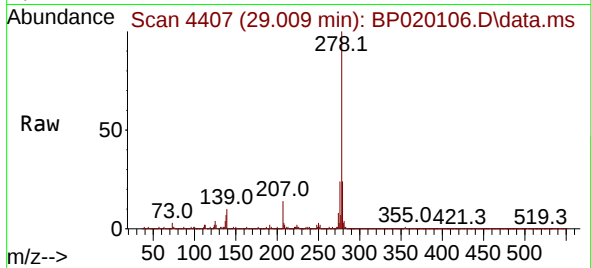
125 7.8 6.5 9.7





#95
 Dibenzo(a,h)anthracene
 Concen: 52.750 ng/ul
 RT: 29.009 min Scan# 44
 Delta R.T. 0.006 min
 Lab File: BP020106.D
 Acq: 23 Apr 2024 17:33

Instrument :
 BNA_P
 ClientSampleId :
 XA398



Tgt Ion:278 Resp: 1396684

Ion	Ratio	Lower	Upper
278	100		
139	9.8	8.8	13.2
279	23.8	20.3	30.5

