

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112423\
 Data File : BP018323.D
 Acq On : 24 Nov 2023 11:34
 Operator : MA/JU
 Sample : 05264-03DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKV5DL

Quant Time: Nov 24 12:18:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 22 14:09:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	368493	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.663	136	1389338	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.504	164	754528	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.257	188	1363029	20.000	ng/ul	0.00
79) Chrysene-d12	21.363	240	1240566	20.000	ng/ul	0.00
88) Perylene-d12	23.798	264	1523337	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	12609	1.282	ng/uL	0.00
4) Pyridine-d5	3.681	84	163099	6.032	ng/ul	0.00
7) Phenol-d5	7.016	99	219462	6.517	ng/ul	-0.02
9) Bis-(2-Chloroethyl)eth...	7.193	67	139347	6.920	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.387	132	178258	6.304	ng/ul	-0.02
15) 4-Methylphenol-d8	8.569	113	149256	5.492	ng/ul	-0.02
21) Nitrobenzene-d5	9.022	128	76513	6.780	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.746	143	63993	6.140	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.281	165	154587	6.148	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.799	131	214152	6.315	ng/ul	-0.02
46) Dimethylphthalate-d6	13.916	166	459678	6.847	ng/ul	-0.02
49) Acenaphthylene-d8	14.193	160	536311	7.011	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.687	143	38815	4.188	ng/ul	-0.01
60) Fluorene-d10	15.492	176	401538	7.150	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.604	200	23205	3.999	ng/ul	-0.01
73) Anthracene-d10	17.351	188	507781	6.970	ng/ul	-0.01
81) Pyrene-d10	19.598	212	586338	5.939	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.639	264	602930	6.827	ng/ul	0.01
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.287	93	432103	15.703	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.669	70	106781	4.596	ng/ul	99
19) Hexachloroethane	8.946	117	137215	11.583	ng/ul	100
22) Nitrobenzene	9.063	77	364206	13.776	ng/ul	100
23) Isophorone	9.593	82	1562401	26.515	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.081	93	1069047	30.041	ng/ul	99
30) Naphthalene	10.716	128	2011090	23.933	ng/ul	100
33) Hexachlorobutadiene	11.004	225	505780	30.790	ng/ul	99
36) 2-Methylnaphthalene	12.328	142	723144	12.160	ng/ul	99
40) Hexachlorocyclopentadiene	12.675	237	241785	16.020	ng/ul	99
44) 2-Chloronaphthalene	13.375	162	1054171	20.260	ng/ul	99
47) Dimethylphthalate	13.963	163	609181	9.273	ng/ul	99
48) 2,6-Dinitrotoluene	14.081	165	30252	2.732	ng/ul	94
50) Acenaphthylene	14.222	152	669445	7.851	ng/ul	100
59) Diethylphthalate	15.334	149	608721	9.225	ng/ul	100
61) Fluorene	15.551	166	493817	7.951	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.551	204	1053506	33.406	ng/ul	100
68) 4-Bromophenyl-phenylether	16.451	248	299963	17.431	ng/ul	98
69) Hexachlorobenzene	16.551	284	320397	16.654	ng/ul	100
72) Phenanthrene	17.298	178	693365	8.363	ng/ul	100
74) Anthracene	17.386	178	759220	9.072	ng/ul	99
78) Di-n-butylphthalate	18.228	149	925669	9.816	ng/ul	100
87) Chrysene	21.398	228	767316	8.340	ng/ul	99
89) Di-n-octyl phthalate	22.257	149	337891	3.013	ng/ul	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112423\
Data File : BP018323.D
Acq On : 24 Nov 2023 11:34
Operator : MA/JU
Sample : 05264-03DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCKV5DL

Quant Time: Nov 24 12:18:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 22 14:09:55 2023
Response via : Initial Calibration

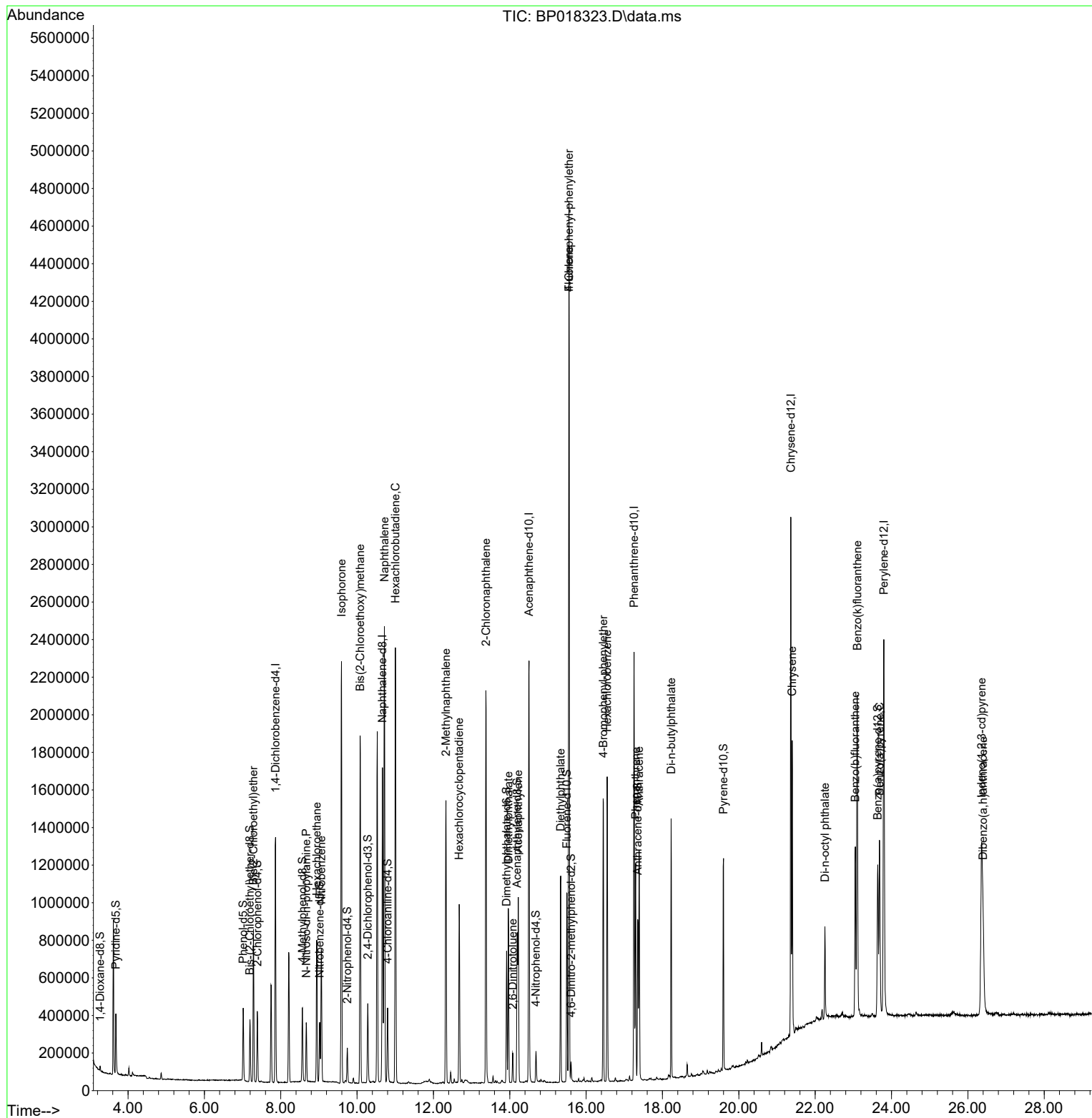
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	23.051	252	655523	5.924	ng/ul	99
91) Benzo(k)fluoranthene	23.104	252	1274302	11.569	ng/ul	100
93) Benzo(a)pyrene	23.686	252	722886	7.104	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.362	276	1228276	10.439	ng/ul	98
95) Dibenzo(a,h)anthracene	26.398	278	504196	5.234	ng/ul	99

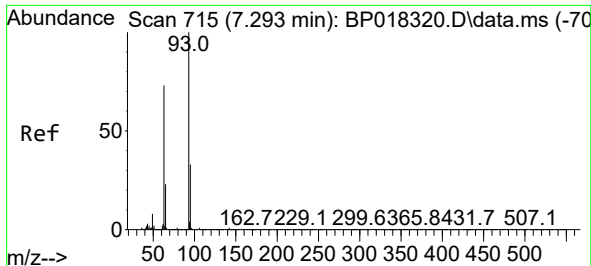
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112423\
 Data File : BP018323.D
 Acq On : 24 Nov 2023 11:34
 Operator : MA/JU
 Sample : 05264-03DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKV5DL

Quant Time: Nov 24 12:18:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 22 14:09:55 2023
 Response via : Initial Calibration

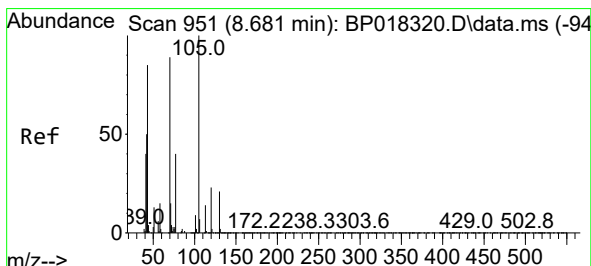
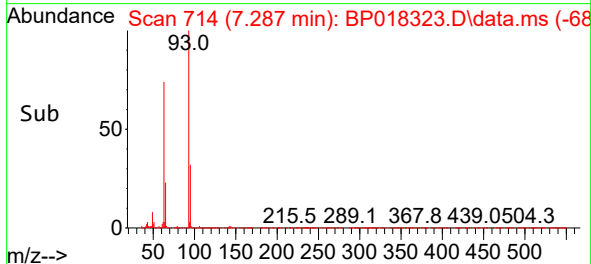
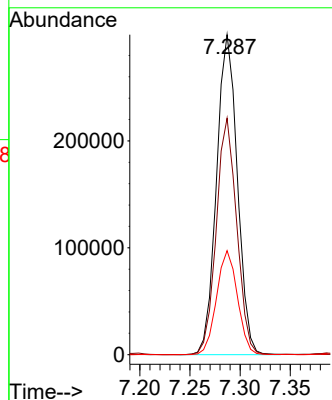
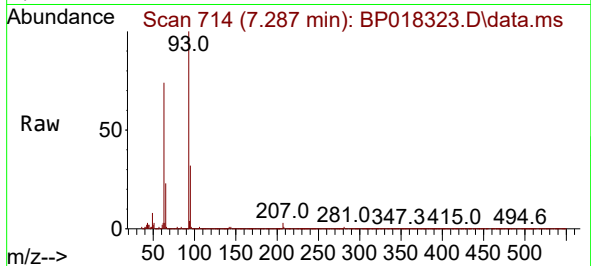




#10
Bis(2-Chloroethyl)ether
Concen: 15.703 ng/ul
RT: 7.287 min Scan# 715
Delta R.T. -0.024 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

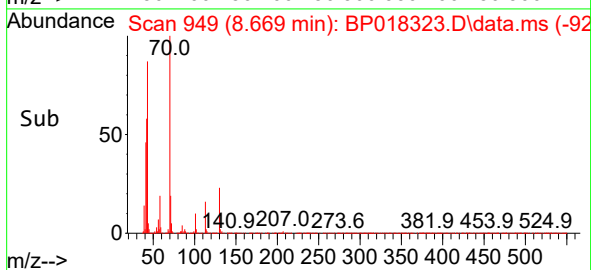
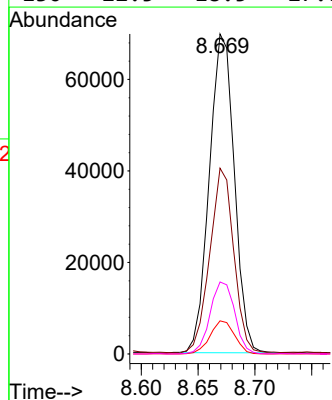
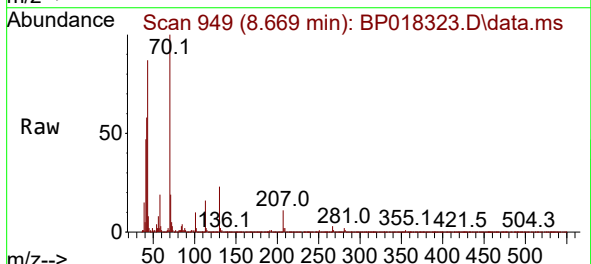
Instrument :
BNA_P
ClientSampleId :
DCKV5DL

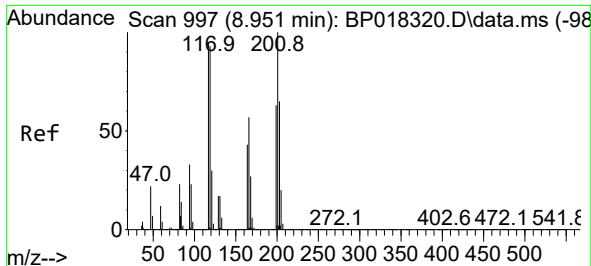
Tgt Ion: 93 Resp: 432103
Ion Ratio Lower Upper
93 100
63 73.9 58.2 87.4
95 32.5 25.6 38.4



#17
N-Nitroso-di-n-propylamine
Concen: 4.596 ng/ul
RT: 8.669 min Scan# 949
Delta R.T. -0.029 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

Tgt Ion: 70 Resp: 106781
Ion Ratio Lower Upper
70 100
42 58.1 46.8 70.2
101 10.3 8.4 12.6
130 22.5 18.5 27.7





#19

Hexachloroethane

Concen: 11.583 ng/ul

RT: 8.946 min Scan# 997

Delta R.T. -0.018 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

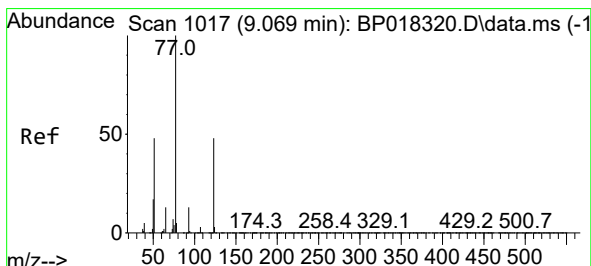
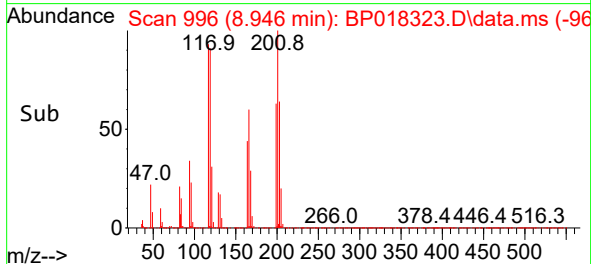
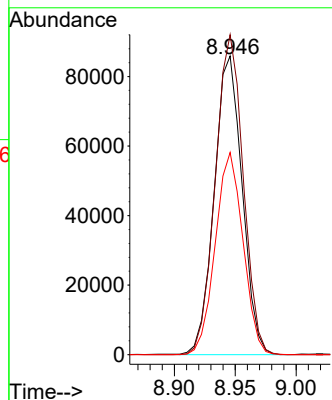
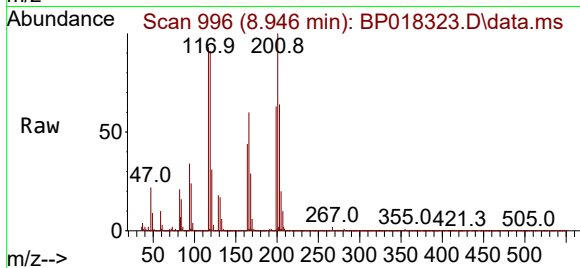
Tgt Ion:117 Resp: 137215

Ion Ratio Lower Upper

117 100

201 107.1 85.6 128.4

199 67.7 54.2 81.4



#22

Nitrobenzene

Concen: 13.776 ng/ul

RT: 9.063 min Scan# 1016

Delta R.T. -0.018 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

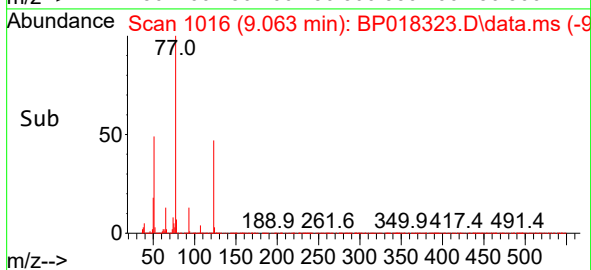
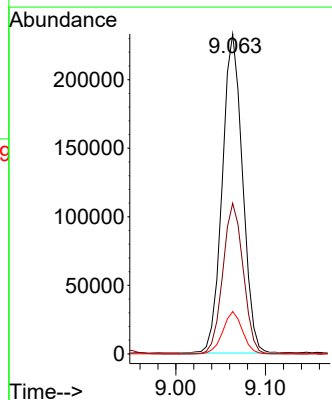
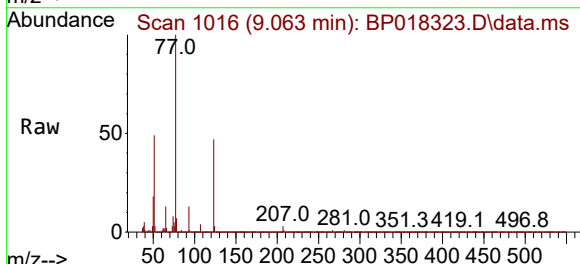
Tgt Ion: 77 Resp: 364206

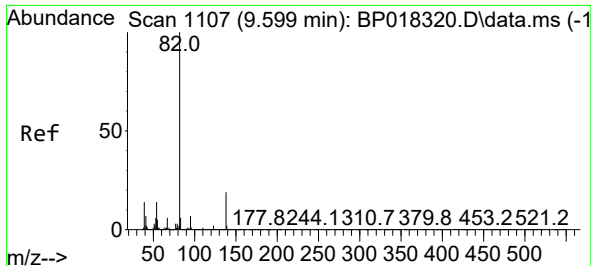
Ion Ratio Lower Upper

77 100

123 47.1 37.7 56.5

65 13.2 10.5 15.7

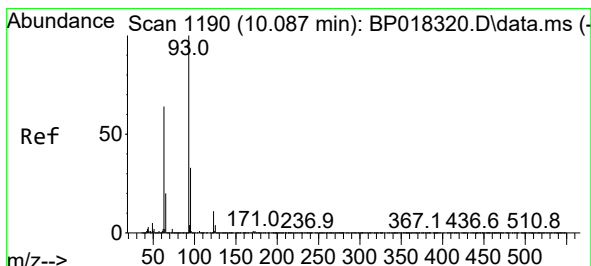
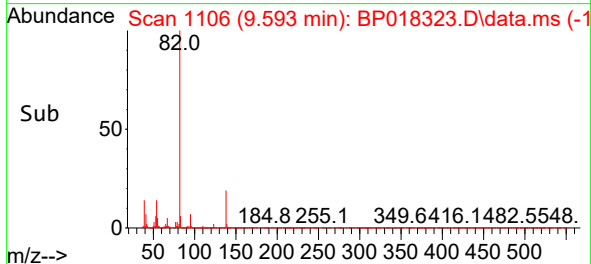
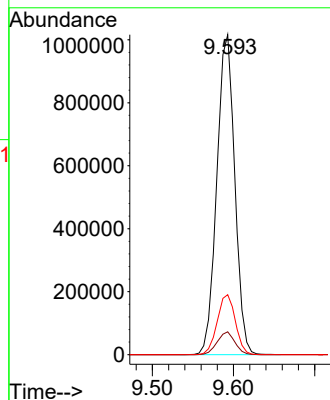
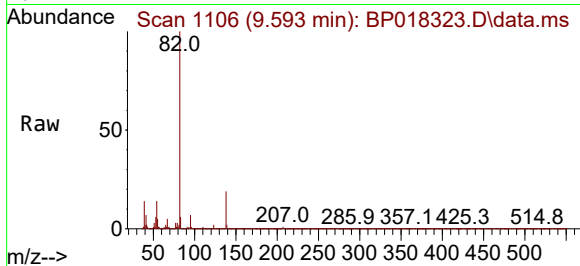




#23
Isophorone
Concen: 26.515 ng/ul
RT: 9.593 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

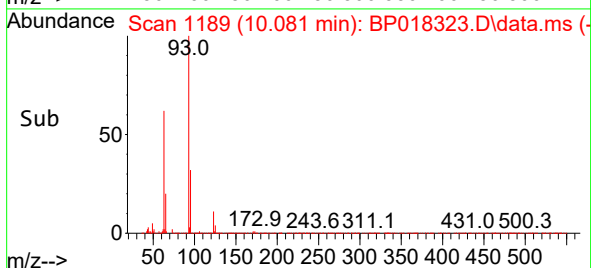
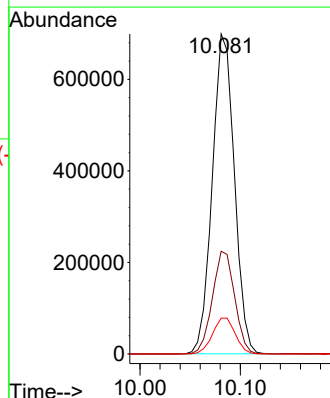
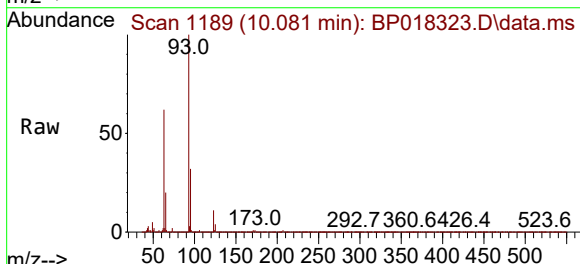
Instrument :
BNA_P
ClientSampleId :
DCKV5DL

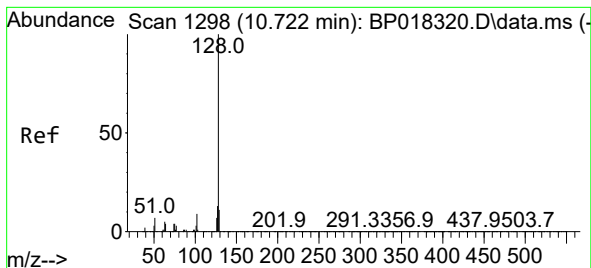
Tgt Ion: 82 Resp: 1562401
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 18.7 14.9 22.3



#27
Bis(2-Chloroethoxy)methane
Concen: 30.041 ng/ul
RT: 10.081 min Scan# 1189
Delta R.T. -0.024 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

Tgt Ion: 93 Resp: 1069047
Ion Ratio Lower Upper
93 100
95 32.1 26.0 39.0
123 11.2 9.1 13.7





#30

Naphthalene

Concen: 23.933 ng/ul

RT: 10.716 min Scan# 1297

Delta R.T. -0.018 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

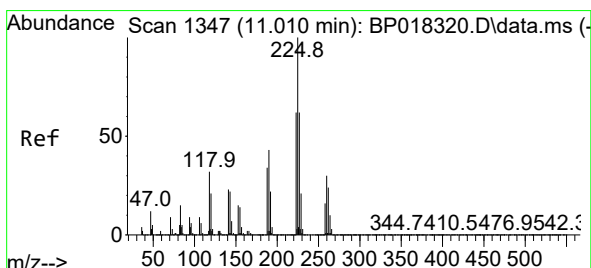
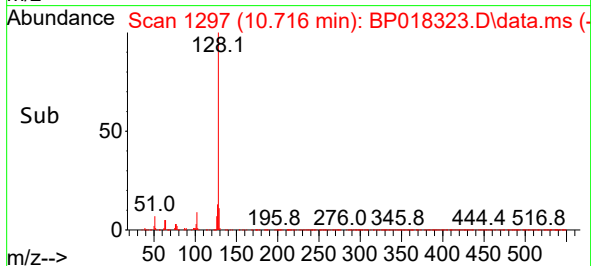
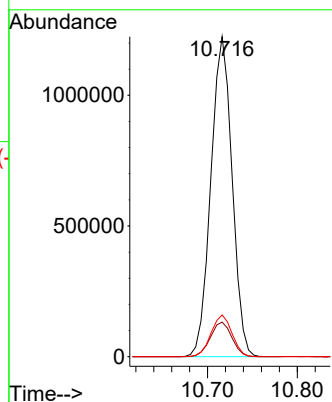
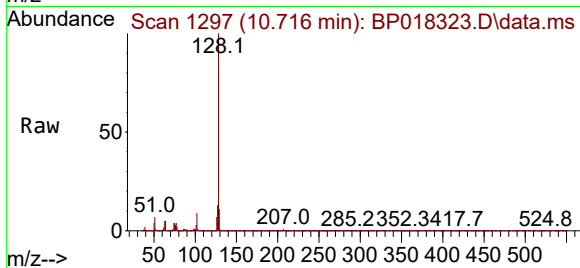
Tgt Ion:128 Resp: 2011090

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.0 10.4 15.6



#33

Hexachlorobutadiene

Concen: 30.790 ng/ul

RT: 11.004 min Scan# 1346

Delta R.T. -0.018 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

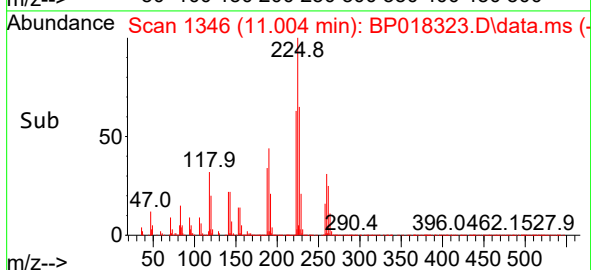
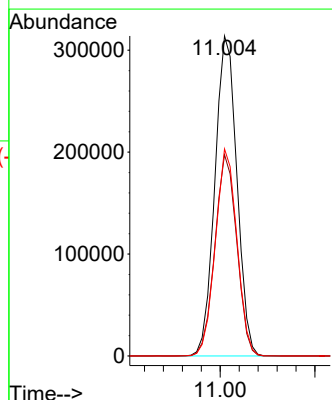
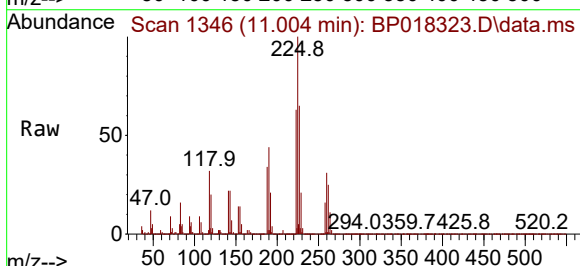
Tgt Ion:225 Resp: 505780

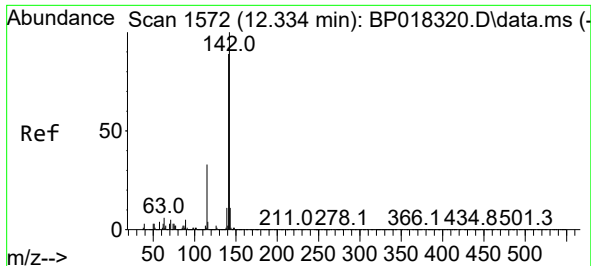
Ion Ratio Lower Upper

225 100

223 62.9 50.2 75.4

227 64.7 50.4 75.6

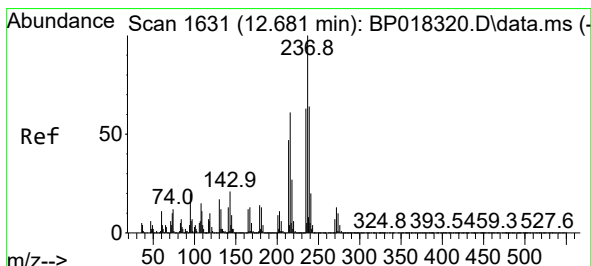
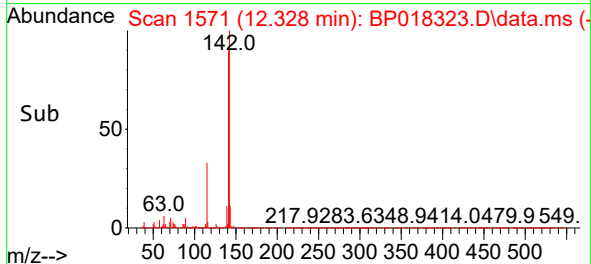
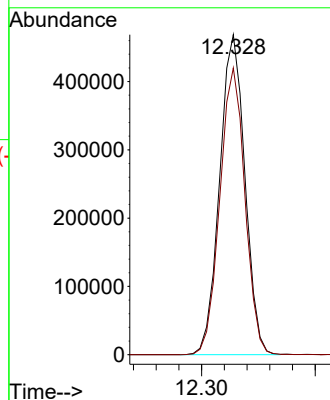
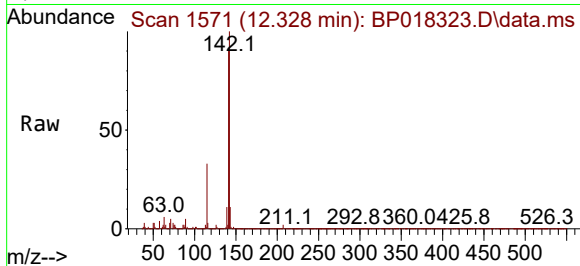




#36
2-Methylnaphthalene
Concen: 12.160 ng/ul
RT: 12.328 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

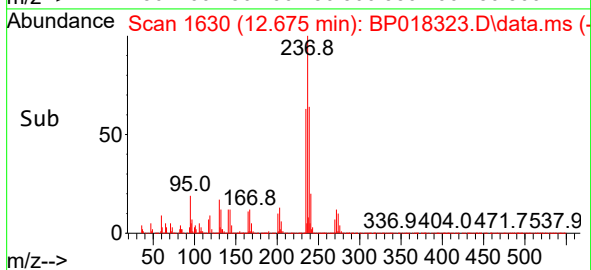
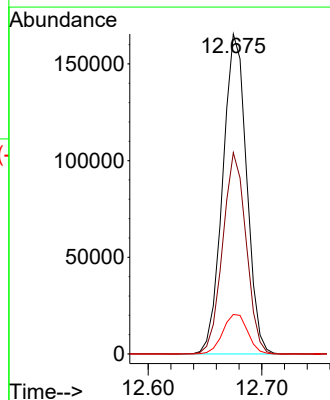
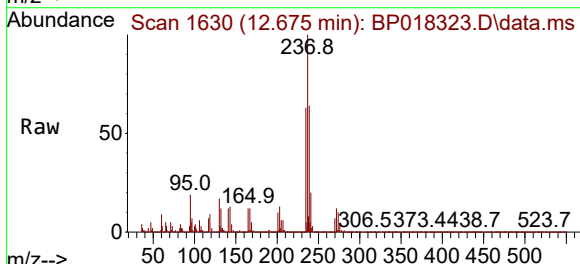
Instrument :
BNA_P
ClientSampleId :
DCKV5DL

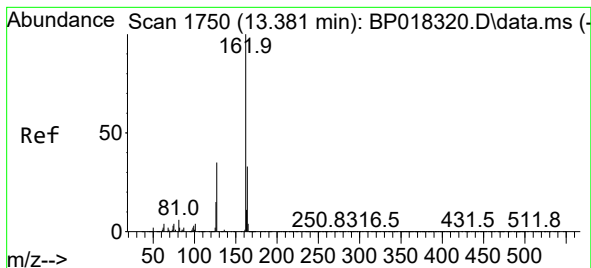
Tgt Ion:142 Resp: 723144
Ion Ratio Lower Upper
142 100
141 89.6 71.0 106.4



#40
Hexachlorocyclopentadiene
Concen: 16.020 ng/ul
RT: 12.675 min Scan# 1630
Delta R.T. -0.018 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

Tgt Ion:237 Resp: 241785
Ion Ratio Lower Upper
237 100
235 62.9 50.7 76.1
272 12.4 10.3 15.5





#44

2-Chloronaphthalene

Concen: 20.260 ng/ul

RT: 13.375 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

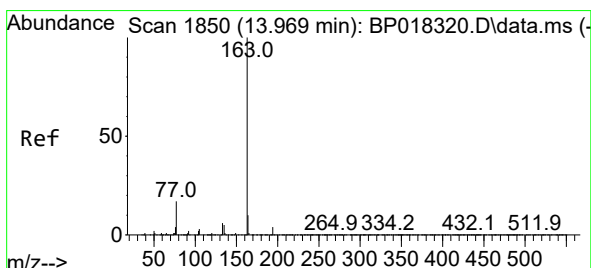
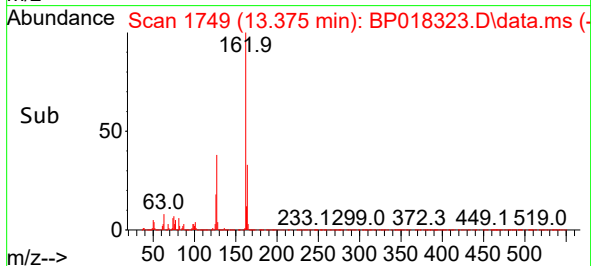
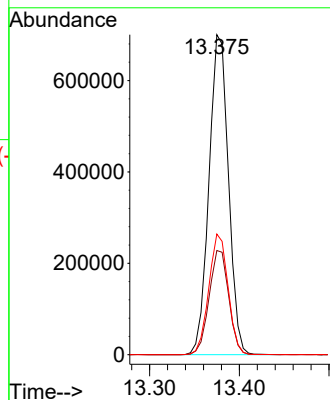
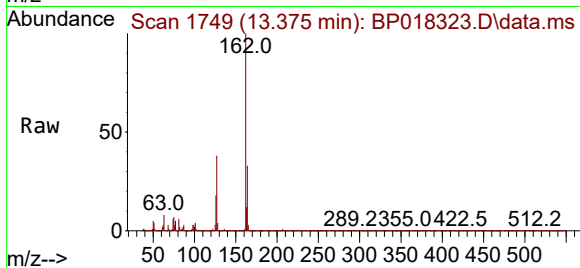
Tgt Ion:162 Resp: 1054171

Ion Ratio Lower Upper

162 100

164 32.5 26.2 39.4

127 37.7 30.6 45.8



#47

Dimethylphthalate

Concen: 9.273 ng/ul

RT: 13.963 min Scan# 1849

Delta R.T. -0.018 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

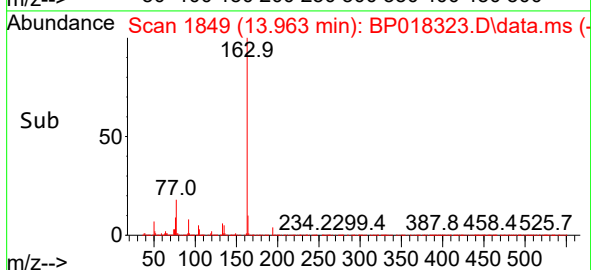
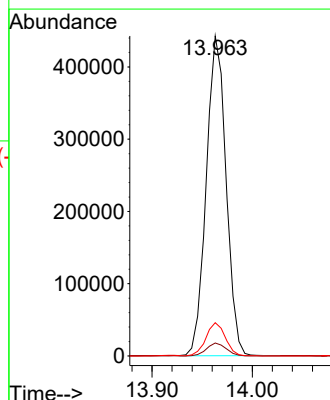
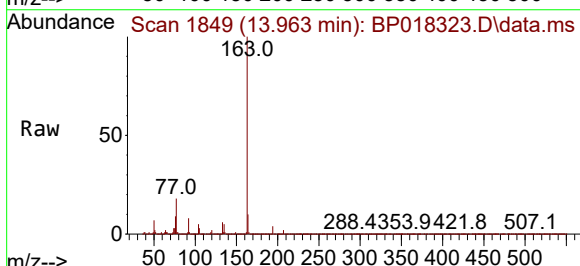
Tgt Ion:163 Resp: 609181

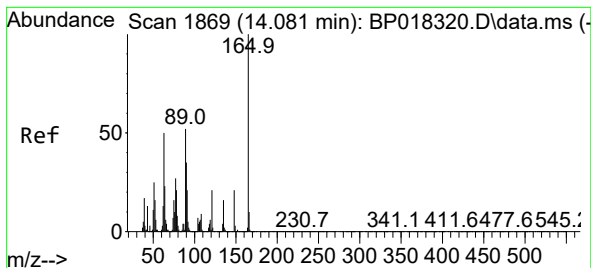
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.4 7.9 11.9





#48

2,6-Dinitrotoluene

Concen: 2.732 ng/ul

RT: 14.081 min Scan# 1869

Delta R.T. -0.006 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

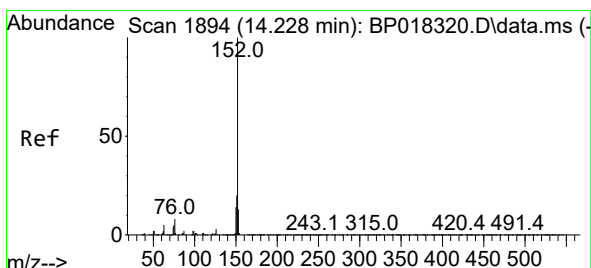
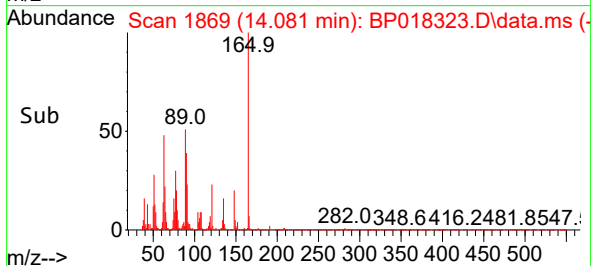
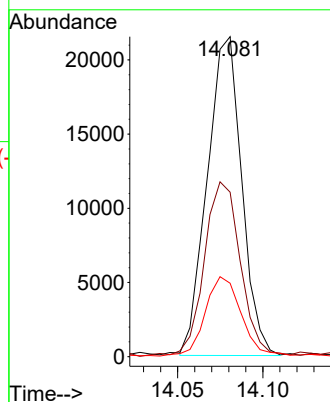
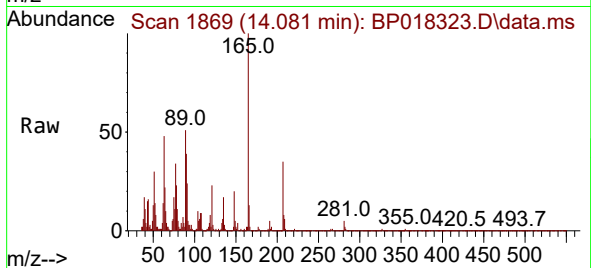
Tgt Ion:165 Resp: 30252

Ion Ratio Lower Upper

165 100

89 51.4 45.8 68.6

121 23.0 17.8 26.8



#50

Acenaphthylene

Concen: 7.851 ng/ul

RT: 14.222 min Scan# 1893

Delta R.T. -0.012 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

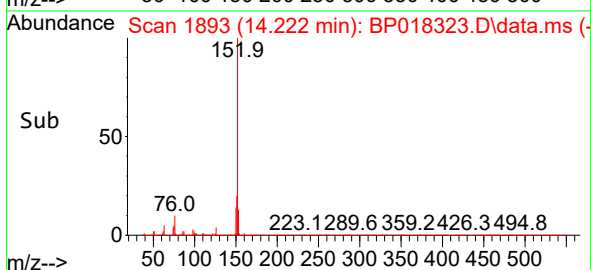
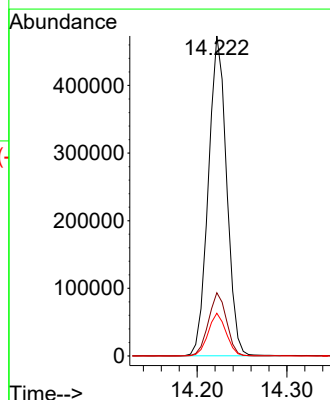
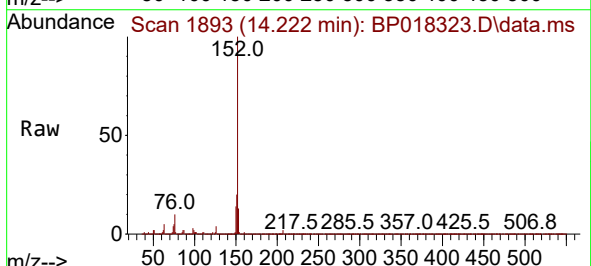
Tgt Ion:152 Resp: 669445

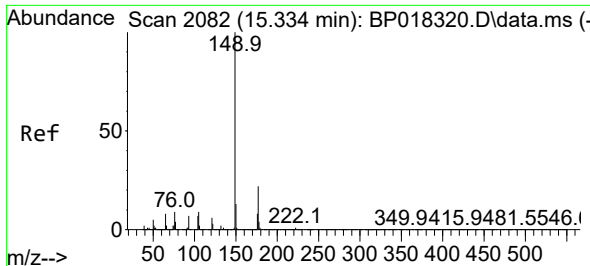
Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

153 13.4 10.8 16.2

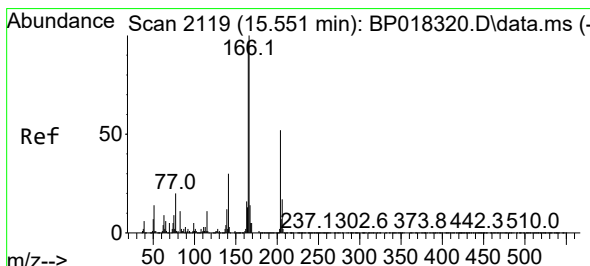
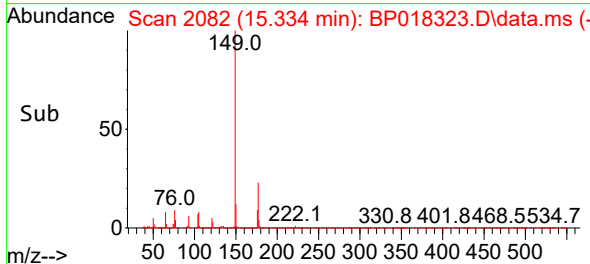
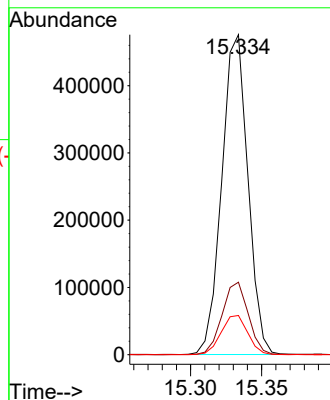
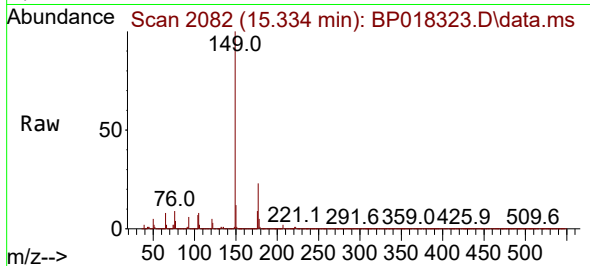




#59
Diethylphthalate
Concen: 9.225 ng/ul
RT: 15.334 min Scan# 2082
Delta R.T. -0.012 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

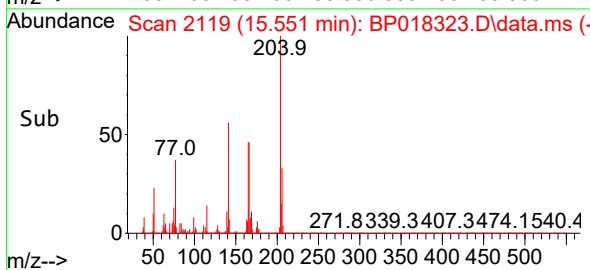
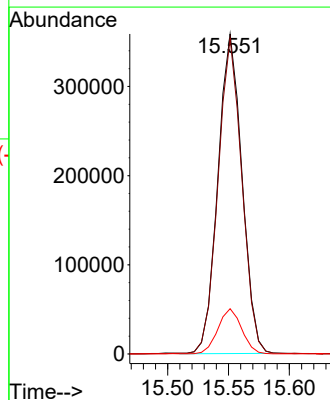
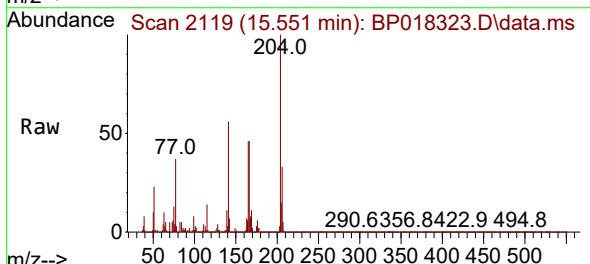
Instrument :
BNA_P
ClientSampleId :
DCKV5DL

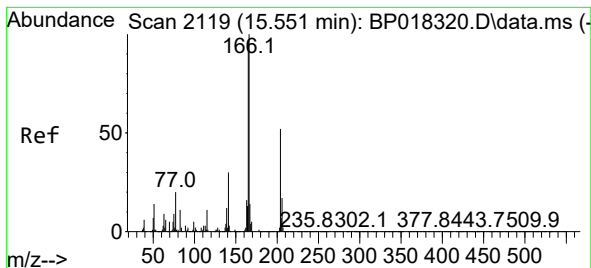
Tgt Ion:149 Resp: 608721
Ion Ratio Lower Upper
149 100
177 22.6 18.2 27.2
150 12.3 10.2 15.2



#61
Fluorene
Concen: 7.951 ng/ul
RT: 15.551 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

Tgt Ion:166 Resp: 493817
Ion Ratio Lower Upper
166 100
165 98.6 77.5 116.3
167 14.1 10.6 16.0

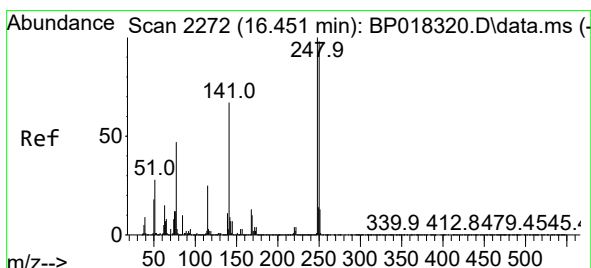
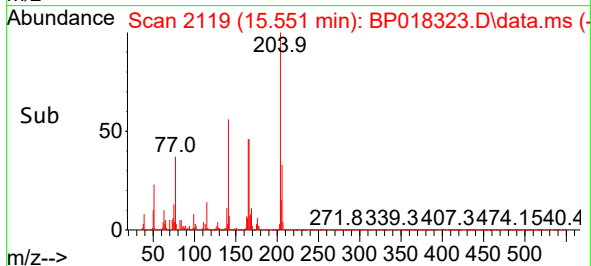
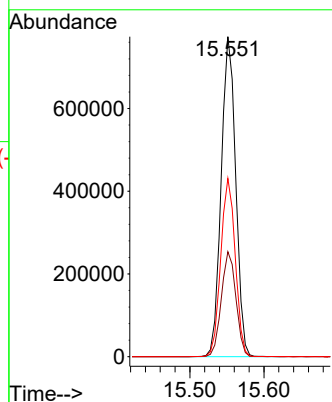
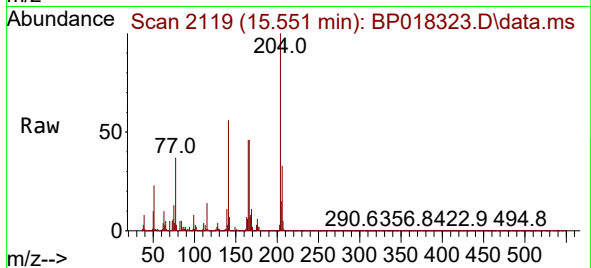




#62
4-Chlorophenyl-phenylether
Concen: 33.406 ng/ul
RT: 15.551 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

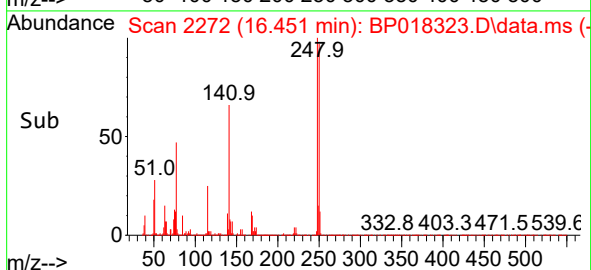
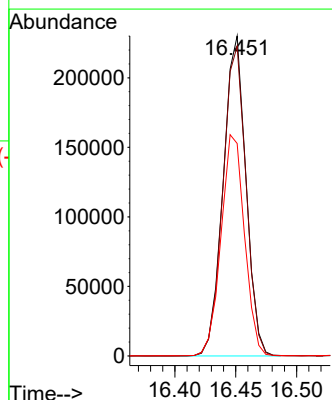
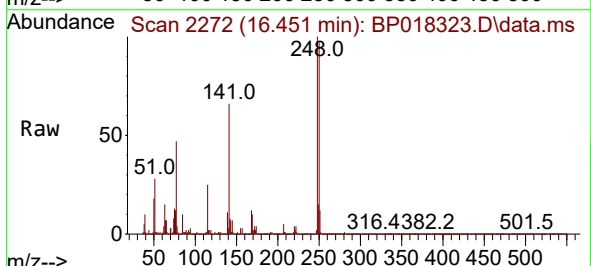
Instrument :
BNA_P
ClientSampleId :
DCKV5DL

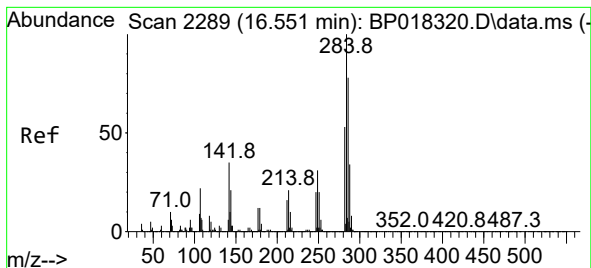
Tgt Ion:204 Resp: 1053506
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 55.7 44.8 67.2



#68
4-Bromophenyl-phenylether
Concen: 17.431 ng/ul
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

Tgt Ion:248 Resp: 299963
Ion Ratio Lower Upper
248 100
250 96.8 77.4 116.2
141 66.4 56.0 84.0





#69

Hexachlorobenzene

Concen: 16.654 ng/ul

RT: 16.551 min Scan# 2289

Delta R.T. -0.006 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

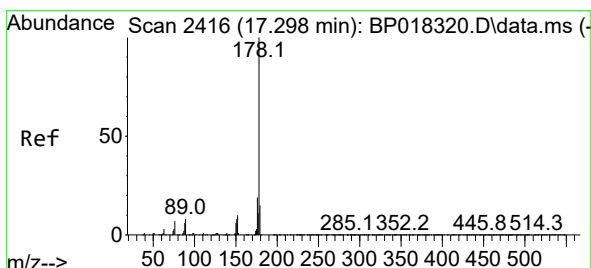
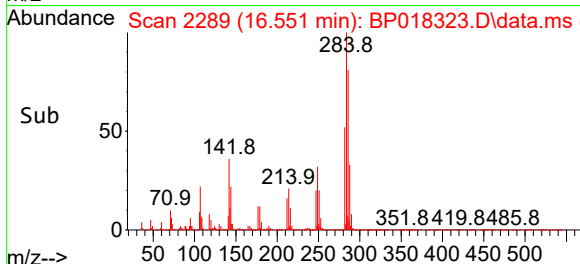
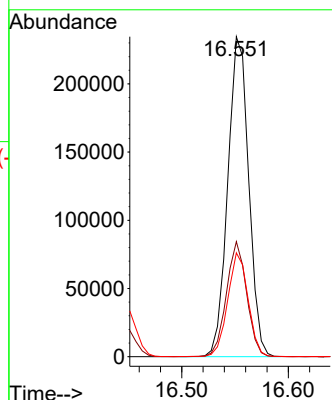
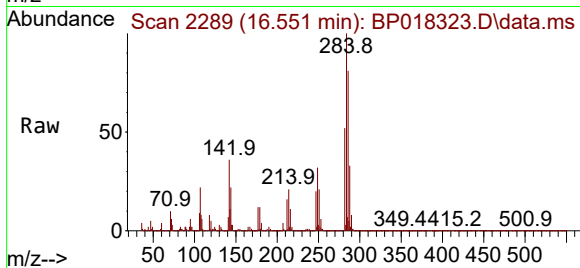
Tgt Ion:284 Resp: 320397

Ion Ratio Lower Upper

284 100

142 36.0 28.9 43.3

249 32.5 26.0 39.0



#72

Phenanthrene

Concen: 8.363 ng/ul

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

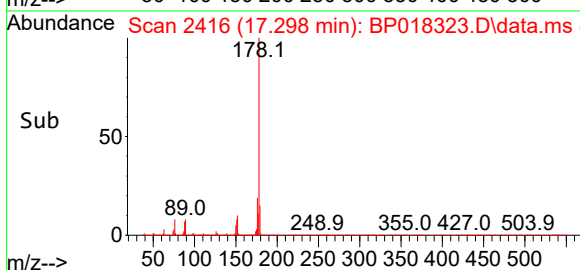
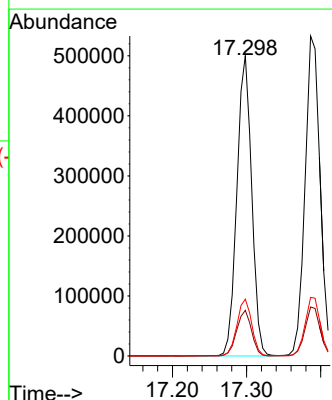
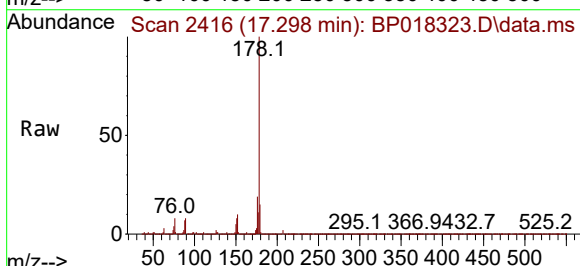
Tgt Ion:178 Resp: 693365

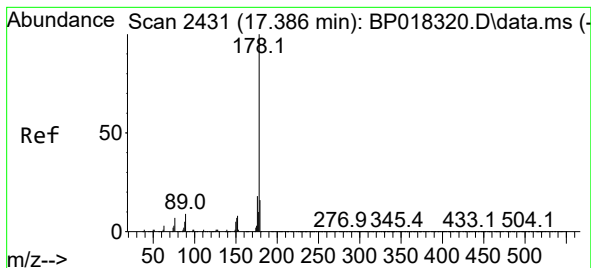
Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

176 18.9 15.1 22.7





#74

Anthracene

Concen: 9.072 ng/ul

RT: 17.386 min Scan# 2431

Delta R.T. -0.012 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

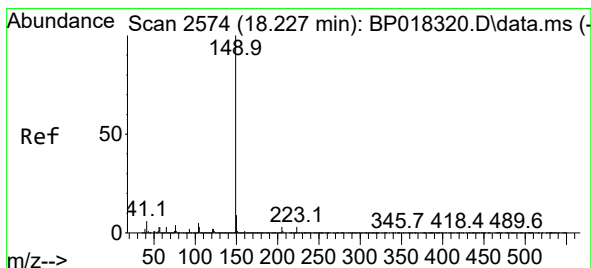
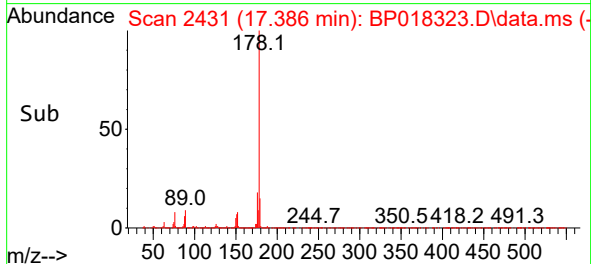
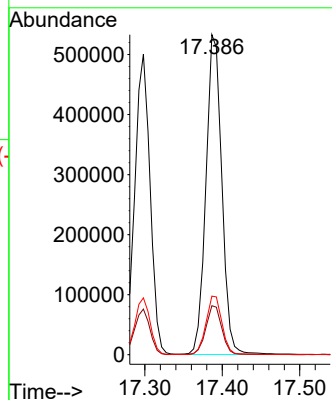
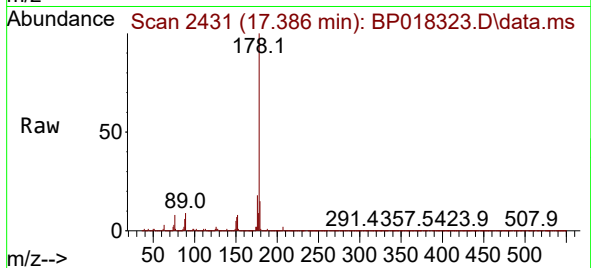
Tgt Ion:178 Resp: 759220

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 18.3 15.2 22.8



#78

Di-n-butylphthalate

Concen: 9.816 ng/ul

RT: 18.228 min Scan# 2574

Delta R.T. -0.012 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

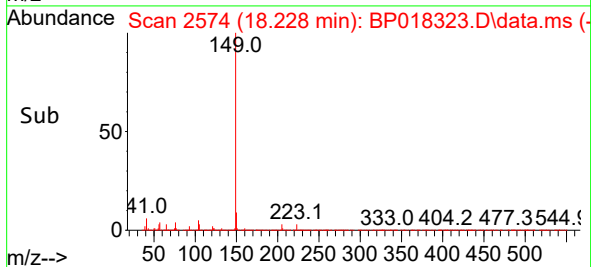
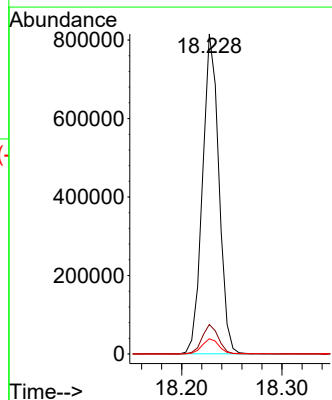
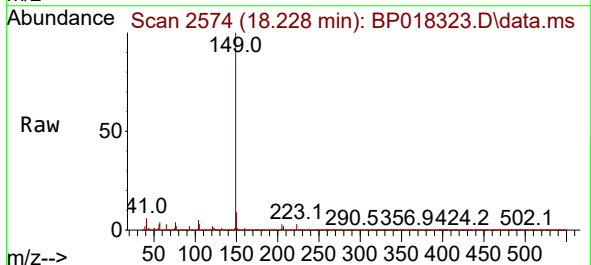
Tgt Ion:149 Resp: 925669

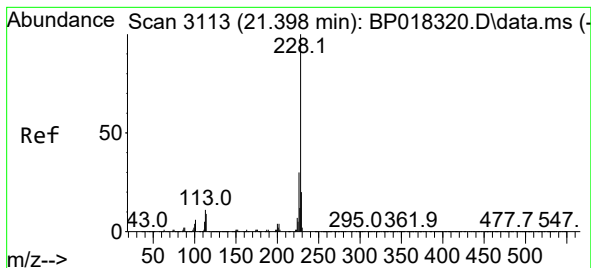
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.8 3.8 5.6





#87

Chrysene

Concen: 8.340 ng/ul

RT: 21.398 min Scan# 3113

Delta R.T. -0.000 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

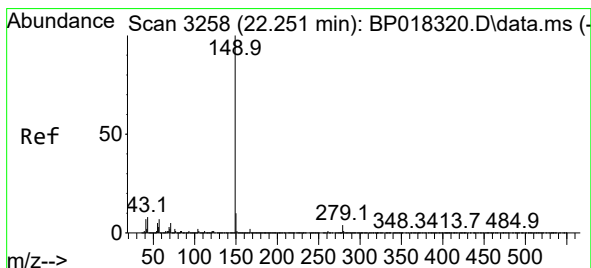
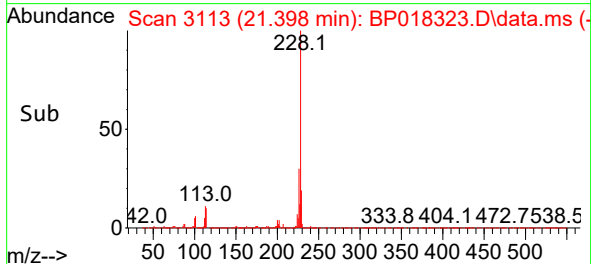
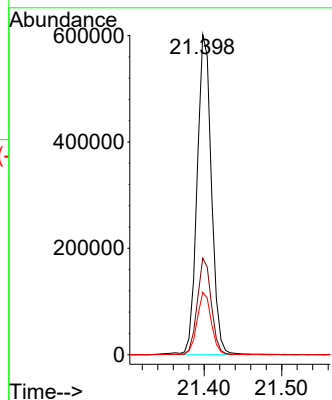
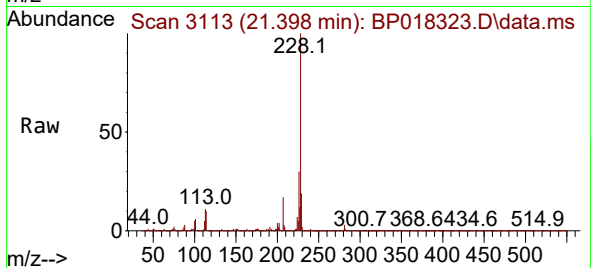
Tgt Ion:228 Resp: 767316

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 19.5 16.1 24.1



#89

Di-n-octyl phthalate

Concen: 3.013 ng/ul

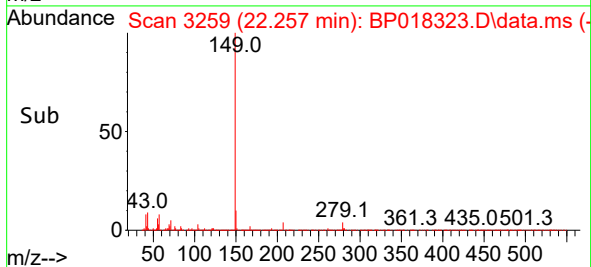
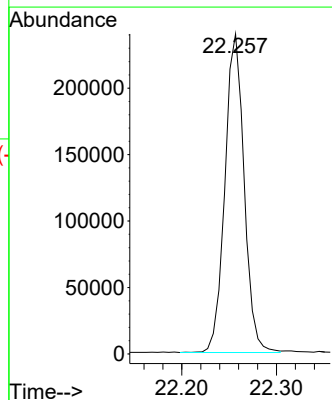
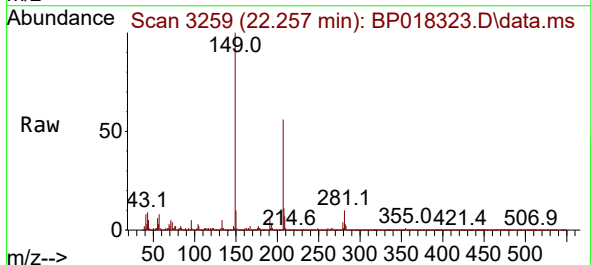
RT: 22.257 min Scan# 3259

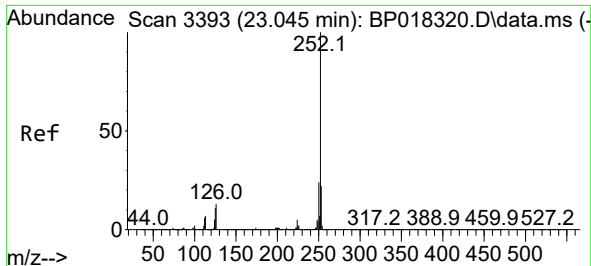
Delta R.T. 0.006 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Tgt Ion:149 Resp: 337891

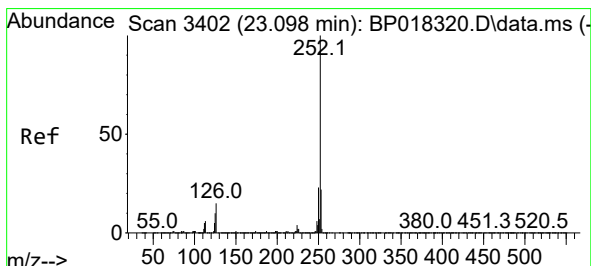
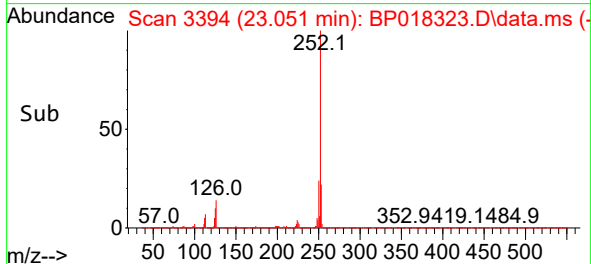
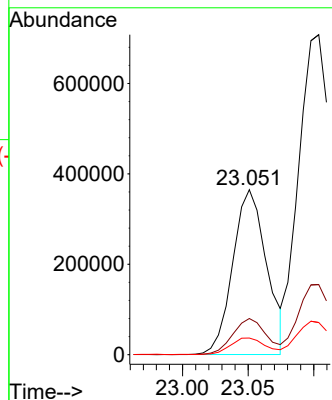
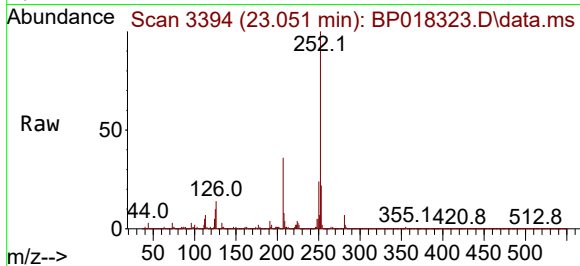




#90
Benzo(b)fluoranthene
Concen: 5.924 ng/ul
RT: 23.051 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

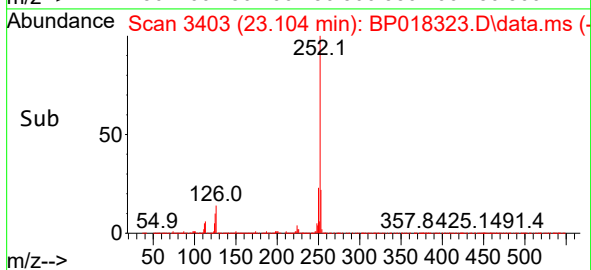
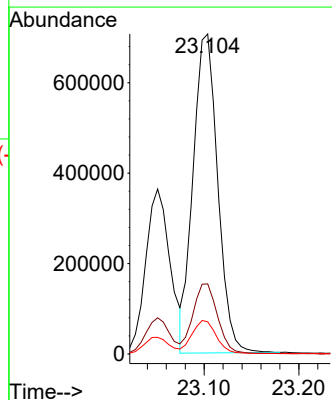
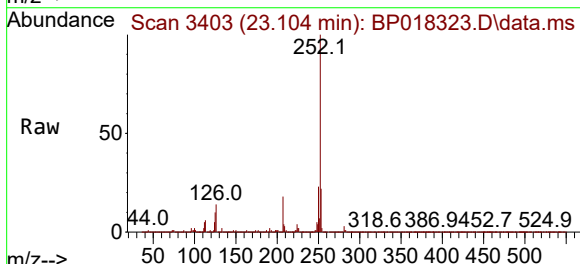
Instrument :
BNA_P
ClientSampleId :
DCKV5DL

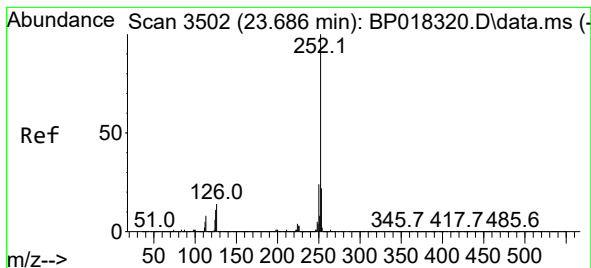
Tgt Ion:252 Resp: 655523
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.1 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 11.569 ng/ul
RT: 23.104 min Scan# 3403
Delta R.T. 0.006 min
Lab File: BP018323.D
Acq: 24 Nov 2023 11:34

Tgt Ion:252 Resp: 1274302
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.0 8.0 12.0





#93

Benzo(a)pyrene

Concen: 7.104 ng/ul

RT: 23.686 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

Instrument :

BNA_P

ClientSampleId :

DCKV5DL

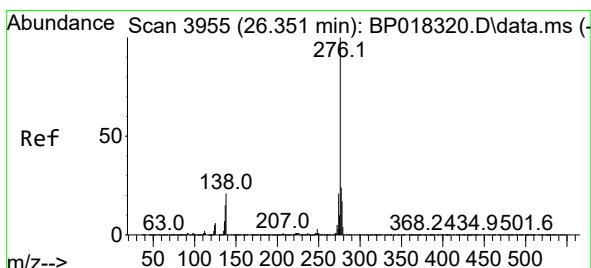
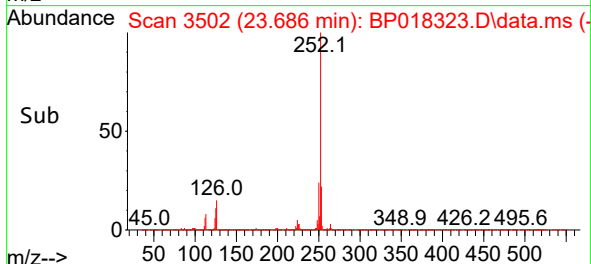
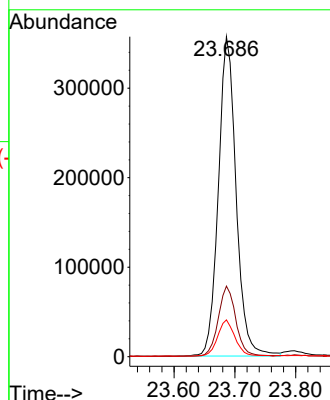
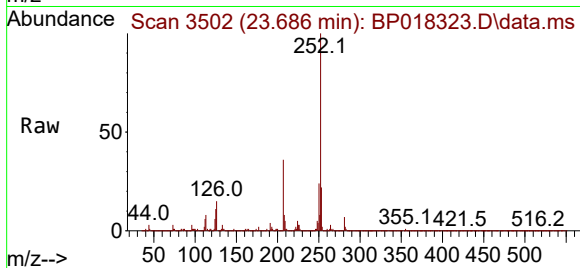
Tgt Ion:252 Resp: 722886

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.5 8.8 13.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 10.439 ng/ul

RT: 26.362 min Scan# 3957

Delta R.T. 0.035 min

Lab File: BP018323.D

Acq: 24 Nov 2023 11:34

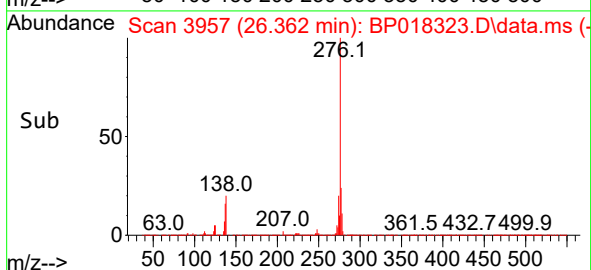
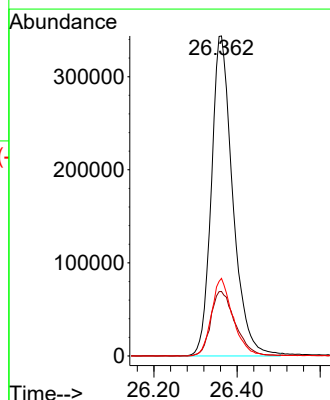
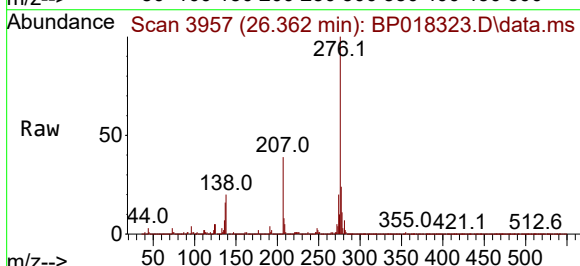
Tgt Ion:276 Resp: 1228276

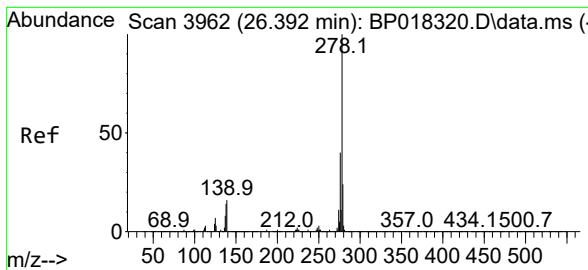
Ion Ratio Lower Upper

276 100

138 20.2 17.5 26.3

277 24.2 19.1 28.7





#95
 Dibenzo(a,h)anthracene
 Concen: 5.234 ng/ul
 RT: 26.398 min Scan# 3963
 Delta R.T. 0.029 min
 Lab File: BP018323.D
 Acq: 24 Nov 2023 11:34

Instrument :
 BNA_P
 ClientSampleId :
 DCKV5DL

Tgt Ion:	278	Resp:	504196
Ion Ratio	Lower	Upper	
278	100		
139	17.0	13.3	19.9
279	24.1	19.0	28.4

