

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112423\
 Data File : BP018325.D
 Acq On : 24 Nov 2023 13:32
 Operator : MA/JU
 Sample : 05261-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKV4DL

Quant Time: Nov 25 00:38:21 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	7.864	152	408357	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.669	136	1631956	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.504	164	900654	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.251	188	1538872	20.000	ng/u1	-0.01
79) Chrysene-d12	21.363	240	1250107	20.000	ng/u1	0.00
88) Perylene-d12	23.792	264	1641264	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	8613	0.790	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.022	99	204974	5.492	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.199	67	123736	5.545	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.387	132	170525	5.442	ng/u1	-0.02
15) 4-Methylphenol-d8	8.569	113	144509	4.798	ng/u1	-0.02
21) Nitrobenzene-d5	9.022	128	78676	5.935	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.746	143	67733	5.533	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.281	165	185963	6.296	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.799	131	137848	3.461	ng/u1	-0.02
46) Dimethylphthalate-d6	13.922	166	534091	6.664	ng/u1	-0.01
49) Acenaphthylene-d8	14.198	160	608432	6.663	ng/u1	0.00
54) 4-Nitrophenol-d4	14.693	143	62274	5.629	ng/u1	0.00
60) Fluorene-d10	15.498	176	457343	6.823	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.604	200	30828	4.706	ng/u1	-0.01
73) Anthracene-d10	17.351	188	609172	7.406	ng/u1	-0.01
81) Pyrene-d10	19.592	212	673830	6.773	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.633	264	760924	7.997	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.046	94	1286803	35.151	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.287	93	333946	10.951	ng/u1	100
12) 2-Chlorophenol	7.422	128	676355	21.516	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.675	70	677646	26.322	ng/u1	95
19) Hexachloroethane	8.946	117	380478	28.982	ng/u1	98
22) Nitrobenzene	9.063	77	335065	10.790	ng/u1	98
25) 2-Nitrophenol	9.775	139	201209	14.608	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.087	93	724073	17.322	ng/u1	99
29) 2,4-Dichlorophenol	10.310	162	427054	15.095	ng/u1	98
30) Naphthalene	10.716	128	3866544	39.173	ng/u1	100
35) 4-Chloro-3-methylphenol	11.946	107	702005	23.208	ng/u1	98
41) 2,4,6-Trichlorophenol	12.934	196	364117	19.061	ng/u1	99
42) 2,4,5-Trichlorophenol	12.999	196	839906	40.660	ng/u1	99
44) 2-Chloronaphthalene	13.381	162	1184800	19.076	ng/u1	98
48) 2,6-Dinitrotoluene	14.081	165	769090	58.176	ng/u1	93
50) Acenaphthylene	14.228	152	4231963	41.577	ng/u1	99
52) Acenaphthene	14.569	153	2016562	30.327	ng/u1	99
55) 4-Nitrophenol	14.704	109	306563	37.402	ng/u1	99
57) 2,4-Dinitrotoluene	14.863	165	544711	30.490	ng/u1	92
59) Diethylphthalate	15.334	149	3390596	43.045	ng/u1	99
61) Fluorene	15.551	166	857369	11.565	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.551	204	1348139	35.813	ng/u1	99
69) Hexachlorobenzene	16.557	284	1464409	67.420	ng/u1	94
71) Pentachlorophenol	16.898	266	604511	54.165	ng/u1	100

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

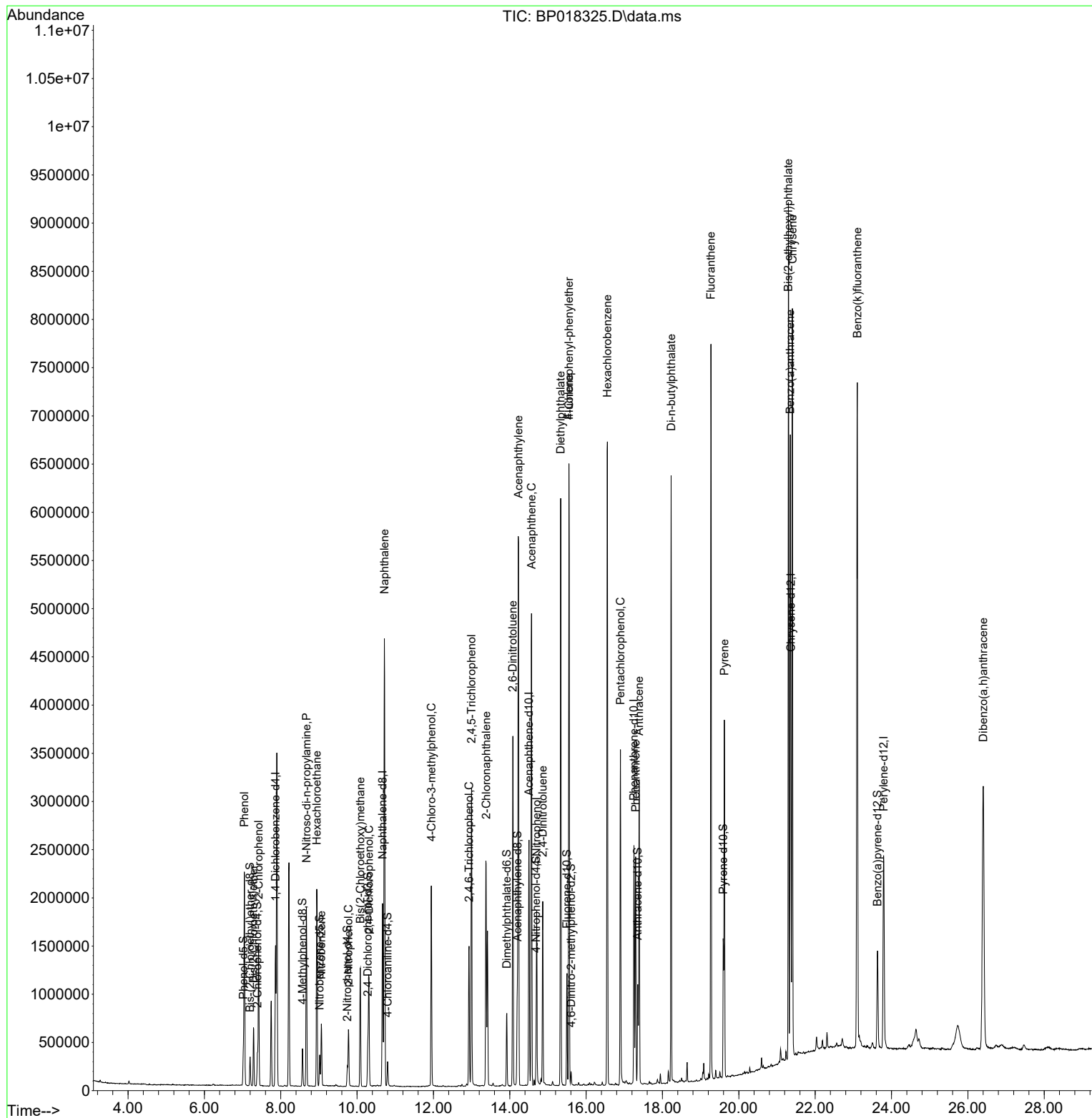
72) Phenanthrene	17.298	178	1457690	15.573	ng/ul	99
74) Anthracene	17.387	178	1940465	20.538	ng/ul	99
78) Di-n-butylphthalate	18.228	149	4371677	41.060	ng/ul	100
80) Fluoranthene	19.269	202	4466901	37.582	ng/ul	100
82) Pyrene	19.622	202	2176490	18.185	ng/ul	98
85) Benzo(a)anthracene	21.345	228	3213595	31.543	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.298	149	3334227	50.174	ng/ul	100
87) Chrysene	21.404	228	4101473	44.240	ng/ul	99
91) Benzo(k)fluoranthene	23.104	252	5052103	42.570	ng/ul	100
95) Dibenzo(a,h)anthracene	26.404	278	3455852	33.300	ng/ul	99

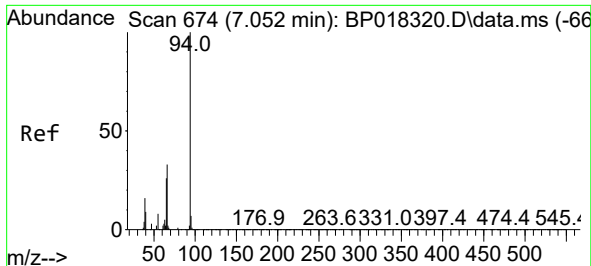
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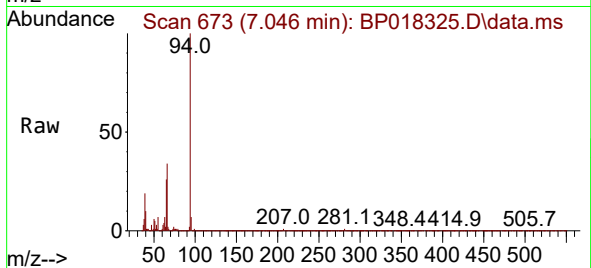
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
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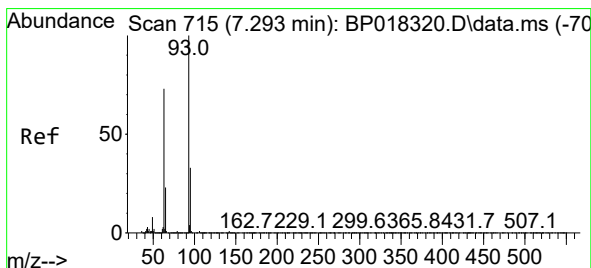
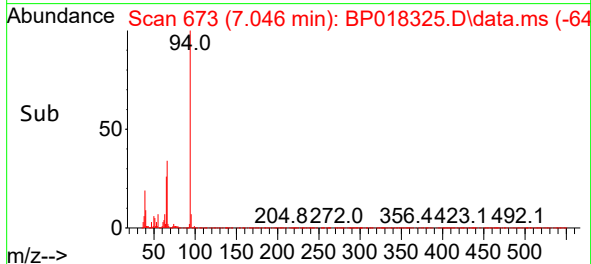
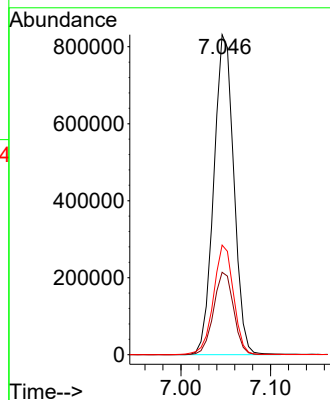


#8
Phenol
Concen: 35.151 ng/ul
RT: 7.046 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Instrument :
BNA_P
ClientSampleId :
DCKV4DL

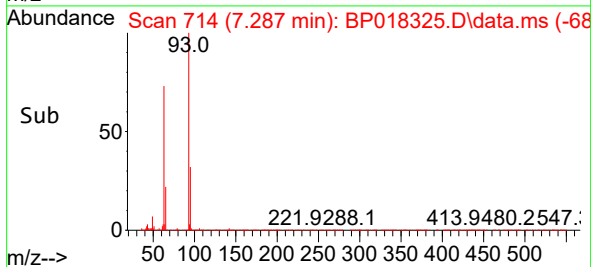
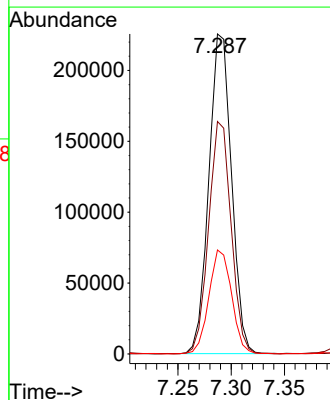
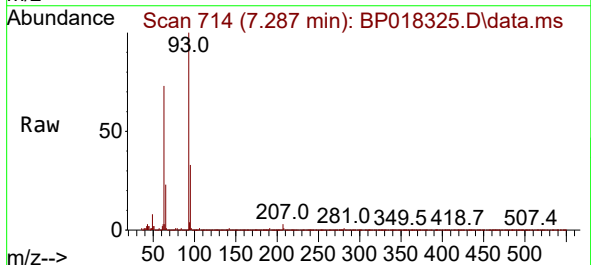


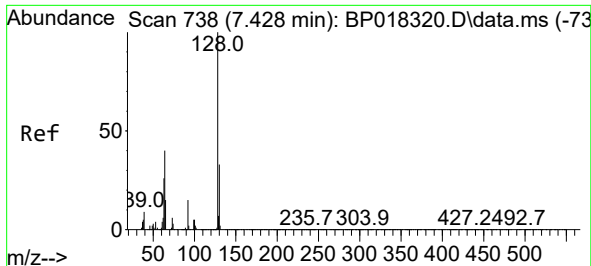
Tgt Ion: 94 Resp: 1286803
Ion Ratio Lower Upper
94 100
65 25.8 21.2 31.8
66 34.2 28.0 42.0



#10
Bis(2-Chloroethyl)ether
Concen: 10.951 ng/ul
RT: 7.287 min Scan# 714
Delta R.T. -0.023 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion: 93 Resp: 333946
Ion Ratio Lower Upper
93 100
63 72.6 58.2 87.4
95 32.5 25.6 38.4

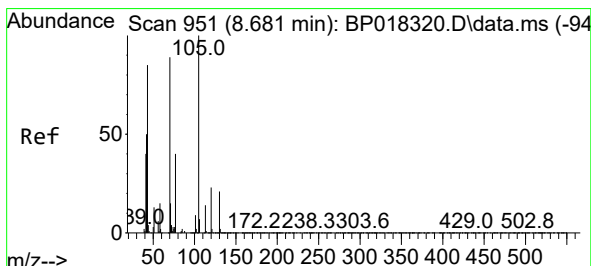
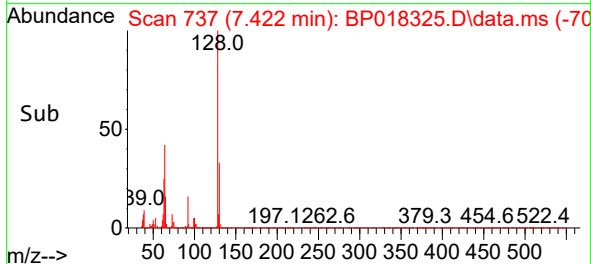
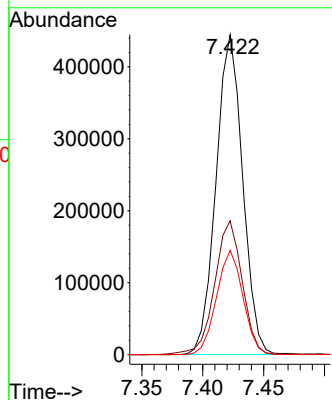
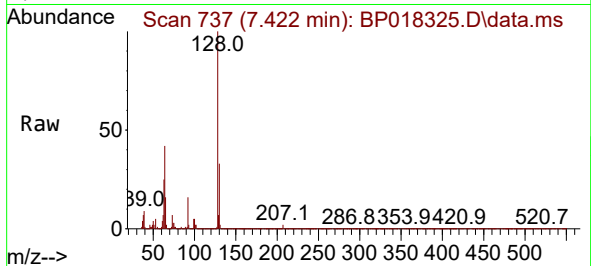




#12
2-Chlorophenol
Concen: 21.516 ng/ul
RT: 7.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

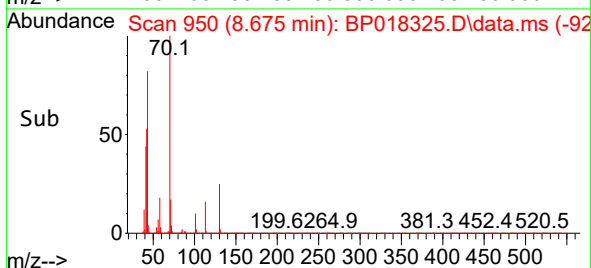
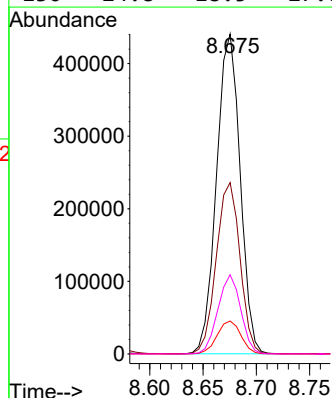
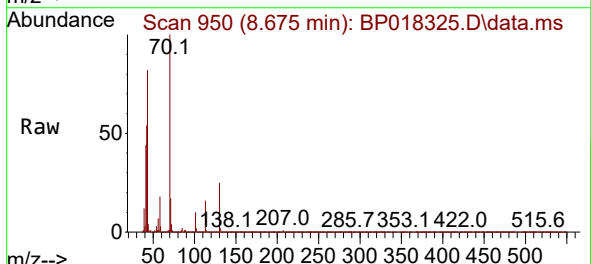
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ClientSampleId :
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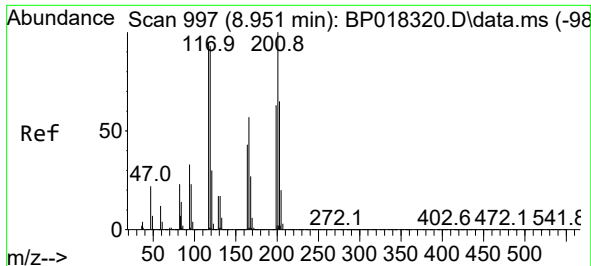
Tgt Ion:128 Resp: 676355
Ion Ratio Lower Upper
128 100
64 41.8 34.8 52.2
130 32.6 25.5 38.3



#17
N-Nitroso-di-n-propylamine
Concen: 26.322 ng/ul
RT: 8.675 min Scan# 950
Delta R.T. -0.023 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion: 70 Resp: 677646
Ion Ratio Lower Upper
70 100
42 53.5 46.8 70.2
101 10.3 8.4 12.6
130 24.8 18.5 27.7

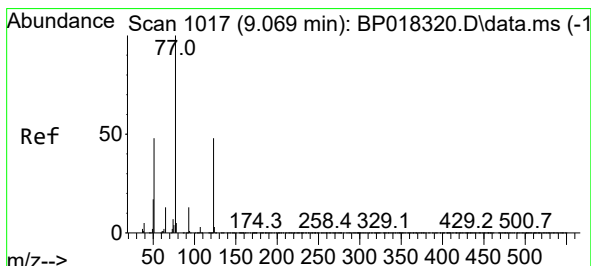
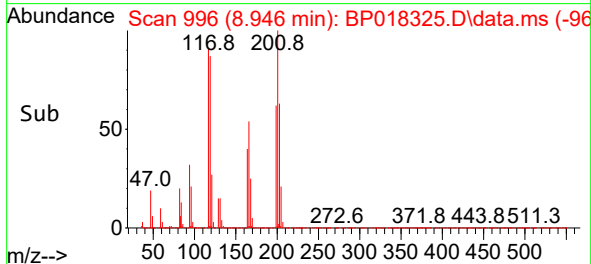
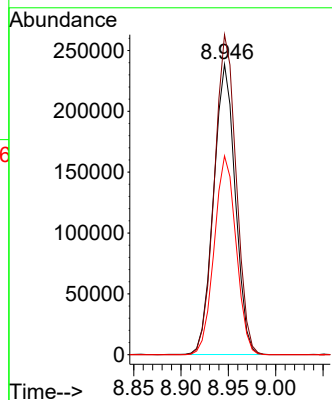
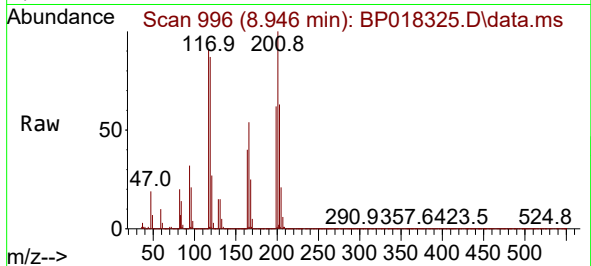




#19
Hexachloroethane
Concen: 28.982 ng/ul
RT: 8.946 min Scan# 997
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

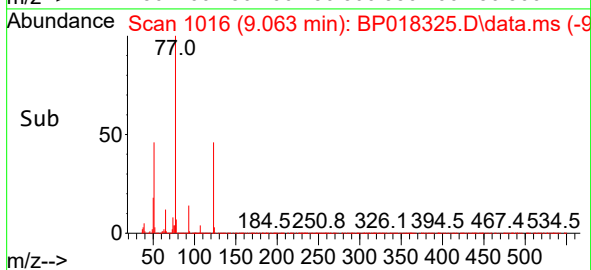
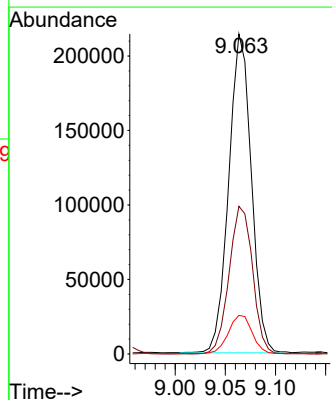
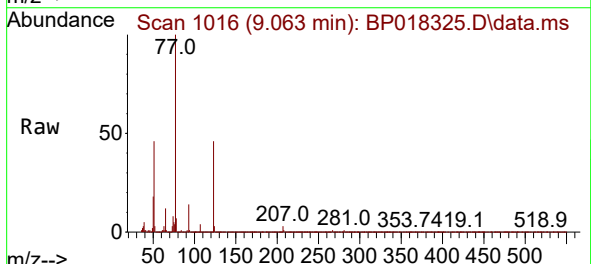
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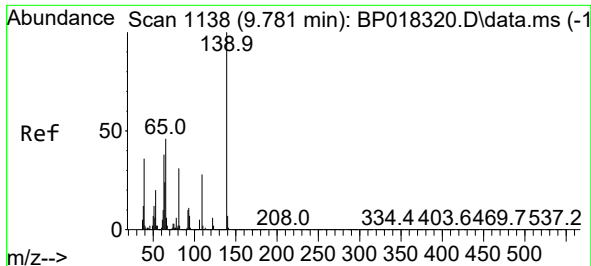
Tgt Ion:117 Resp: 380478
Ion Ratio Lower Upper
117 100
201 110.2 85.6 128.4
199 68.4 54.2 81.4



#22
Nitrobenzene
Concen: 10.790 ng/ul
RT: 9.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion: 77 Resp: 335065
Ion Ratio Lower Upper
77 100
123 46.2 37.7 56.5
65 12.1 10.5 15.7

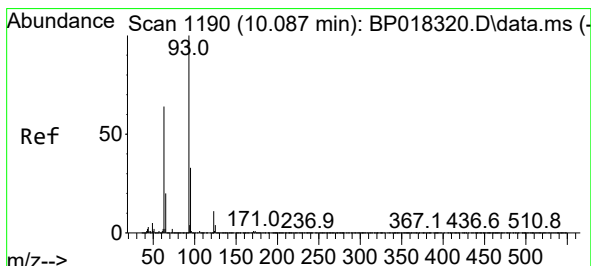
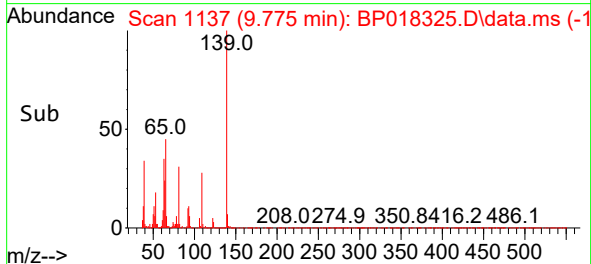
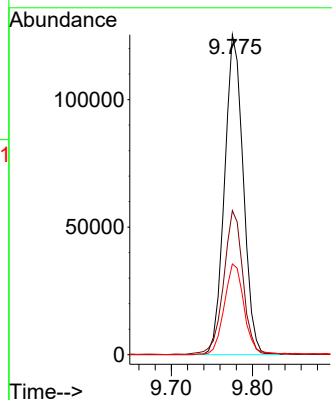
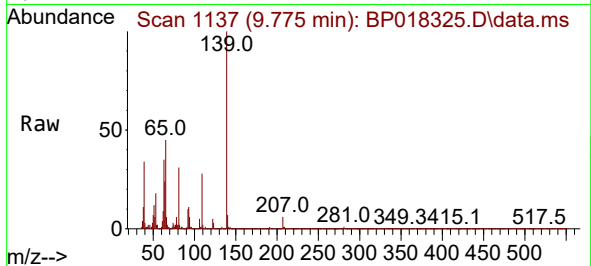




#25
2-Nitrophenol
Concen: 14.608 ng/ul
RT: 9.775 min Scan# 1138
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

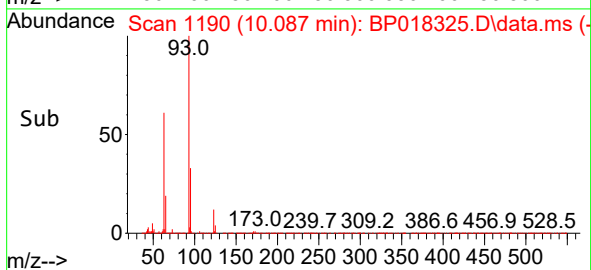
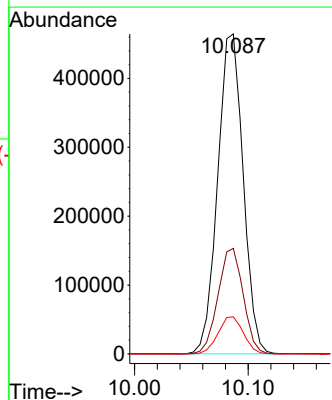
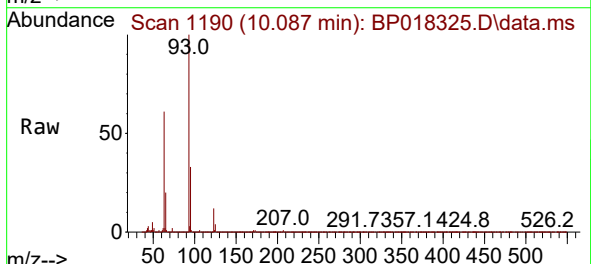
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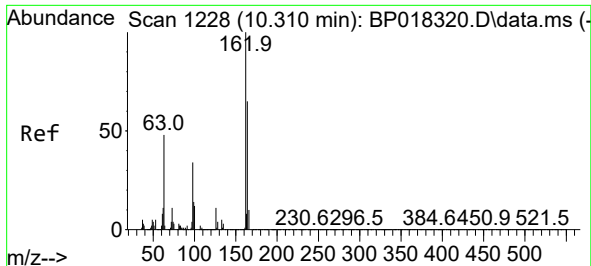
Tgt Ion:139 Resp: 201209
Ion Ratio Lower Upper
139 100
65 45.0 38.3 57.5
109 28.3 23.4 35.0



#27
Bis(2-Chloroethoxy)methane
Concen: 17.322 ng/ul
RT: 10.087 min Scan# 1190
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion: 93 Resp: 724073
Ion Ratio Lower Upper
93 100
95 33.0 26.0 39.0
123 11.6 9.1 13.7

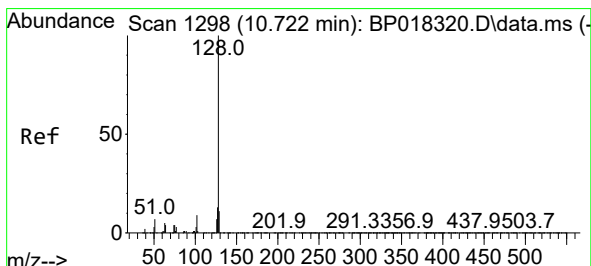
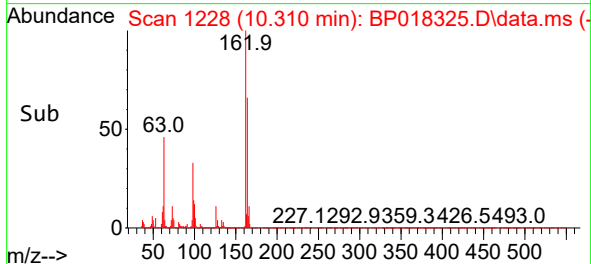
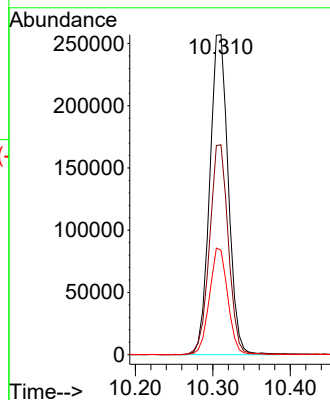
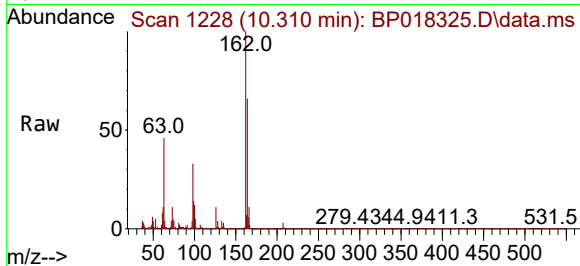




#29
2,4-Dichlorophenol
Concen: 15.095 ng/ul
RT: 10.310 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BP018325.D
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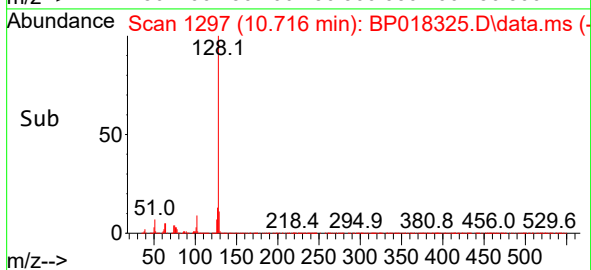
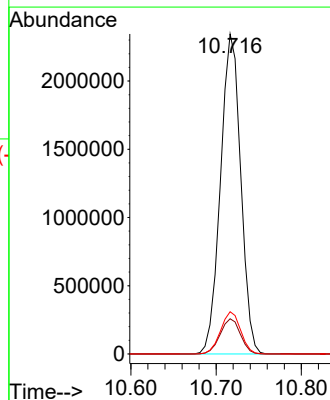
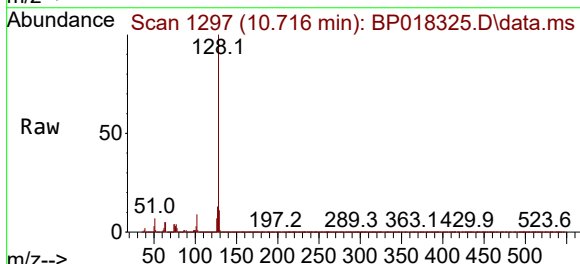
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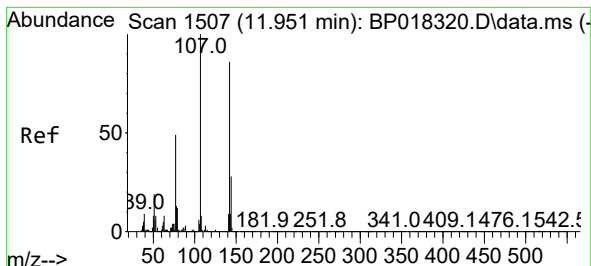
Tgt Ion:162 Resp: 427054
Ion Ratio Lower Upper
162 100
164 65.6 53.0 79.6
98 32.7 27.7 41.5



#30
Naphthalene
Concen: 39.173 ng/ul
RT: 10.716 min Scan# 1297
Delta R.T. -0.018 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion:128 Resp: 3866544
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.4 15.6

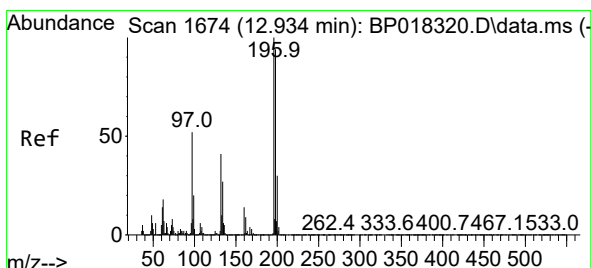
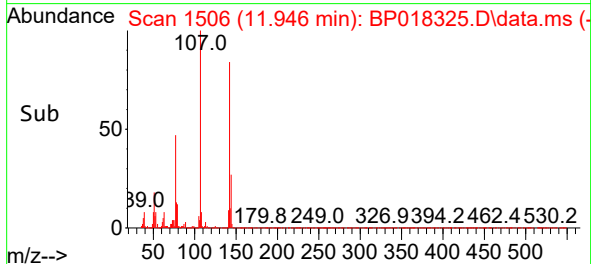
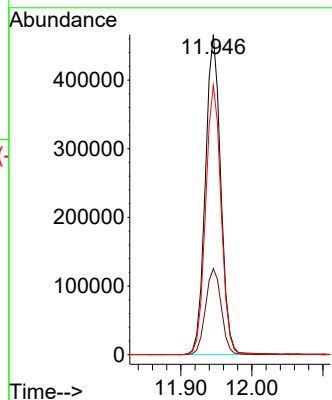
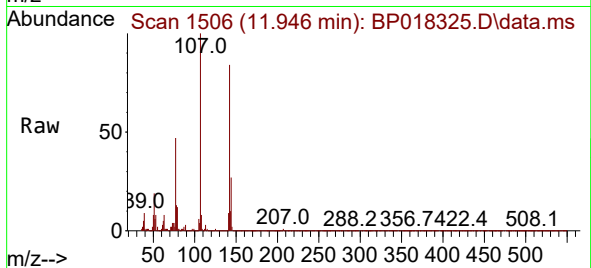




#35
4-Chloro-3-methylphenol
Concen: 23.208 ng/ul
RT: 11.946 min Scan# 1506
Delta R.T. -0.012 min
Lab File: BP018325.D
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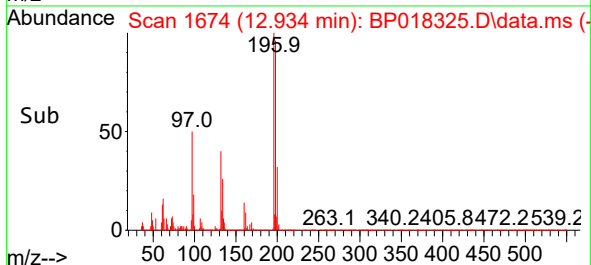
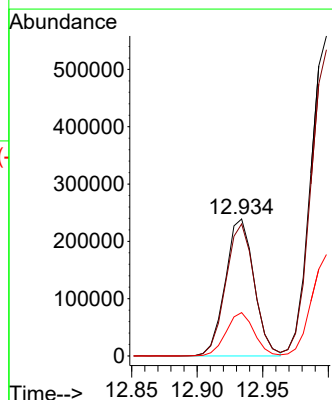
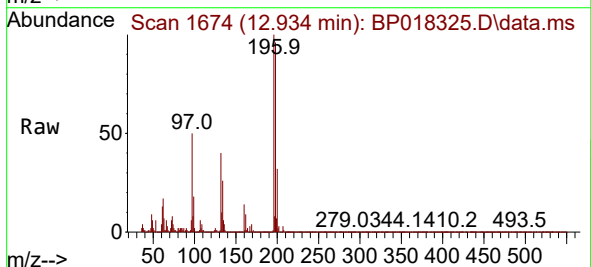
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ClientSampleId :
DCKV4DL

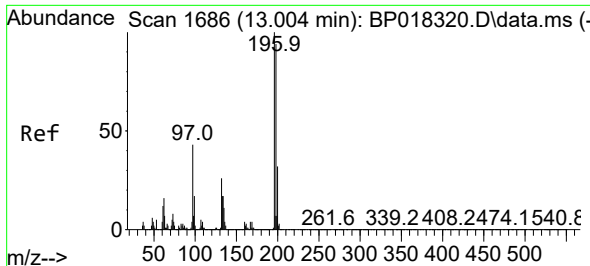
Tgt Ion:107 Resp: 702005
Ion Ratio Lower Upper
107 100
144 26.9 21.6 32.4
142 84.1 65.4 98.0



#41
2,4,6-Trichlorophenol
Concen: 19.061 ng/ul
RT: 12.934 min Scan# 1674
Delta R.T. -0.012 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion:196 Resp: 364117
Ion Ratio Lower Upper
196 100
198 96.4 78.0 117.0
200 31.6 24.6 37.0

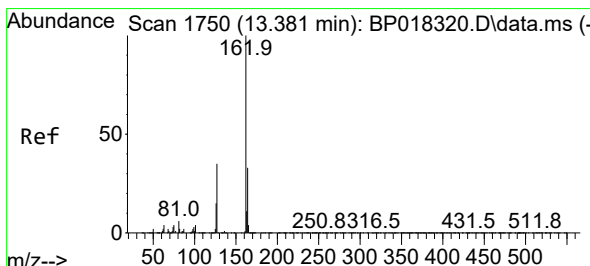
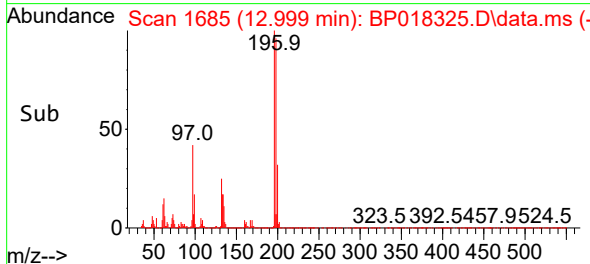
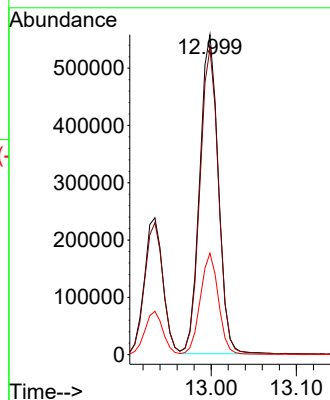
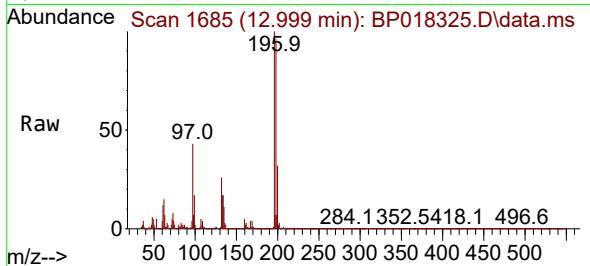




#42
2,4,5-Trichlorophenol
Concen: 40.660 ng/ul
RT: 12.999 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

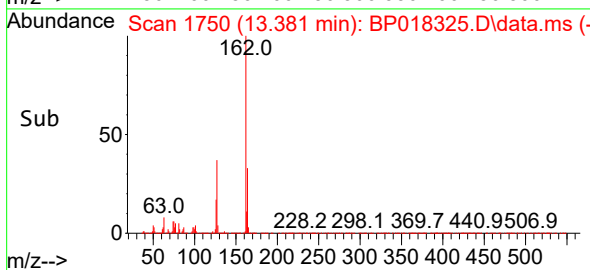
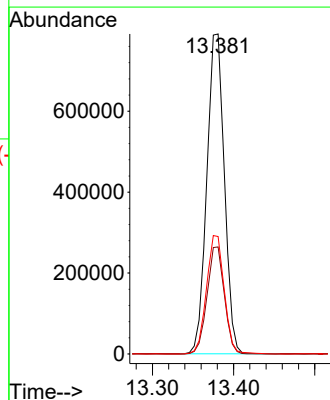
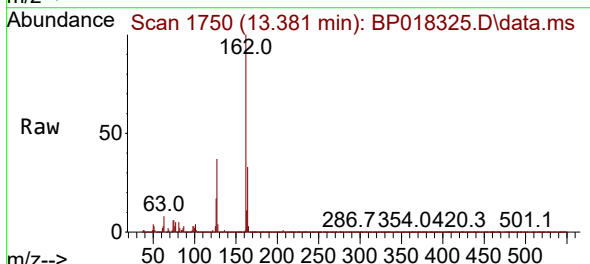
Instrument :
BNA_P
ClientSampleId :
DCKV4DL

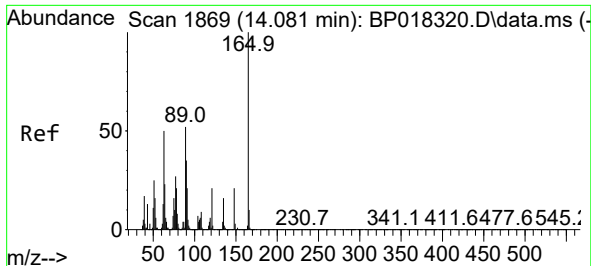
Tgt Ion:196 Resp: 839906
Ion Ratio Lower Upper
196 100
198 95.7 76.7 115.1
200 31.7 24.6 36.8



#44
2-Chloronaphthalene
Concen: 19.076 ng/ul
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion:162 Resp: 1184800
Ion Ratio Lower Upper
162 100
164 33.5 26.2 39.4
127 36.7 30.6 45.8

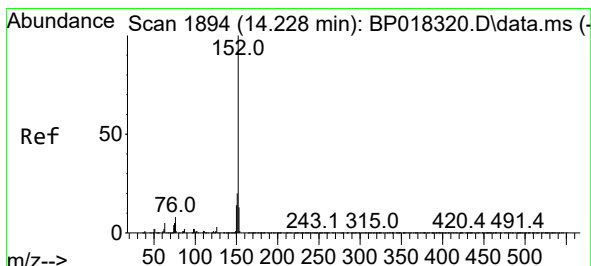
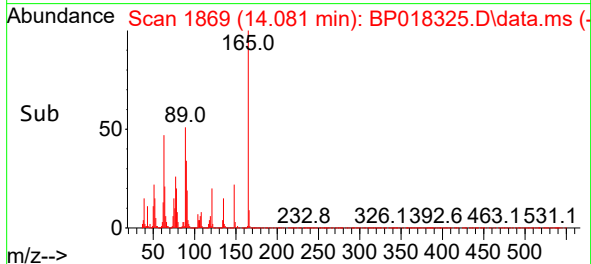
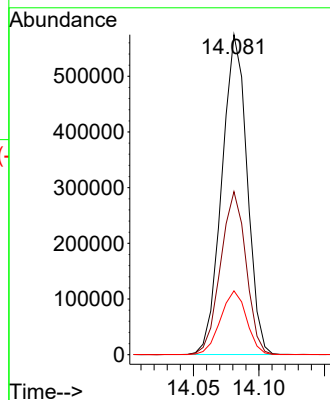
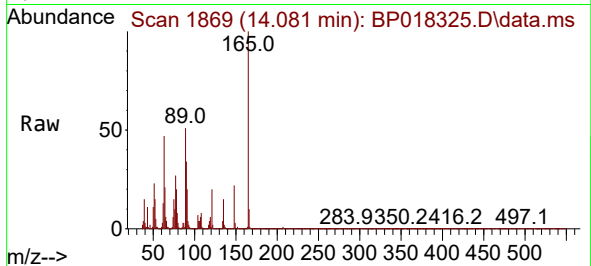




#48
2,6-Dinitrotoluene
Concen: 58.176 ng/ul
RT: 14.081 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

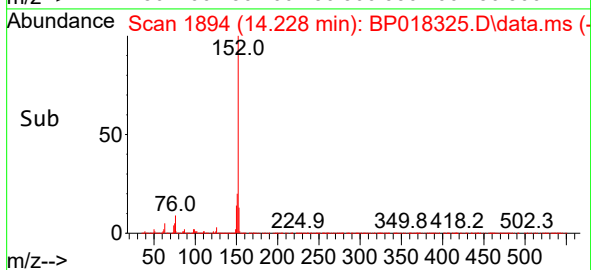
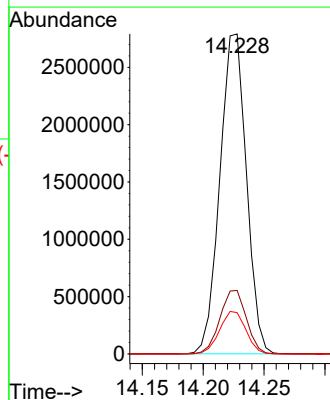
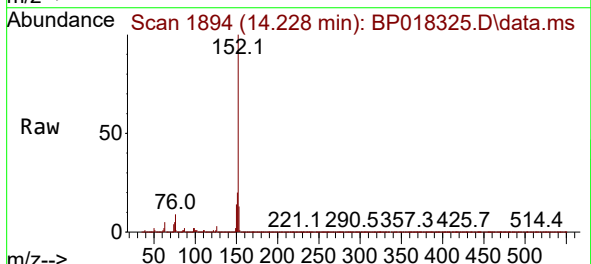
Instrument :
BNA_P
ClientSampleId :
DCKV4DL

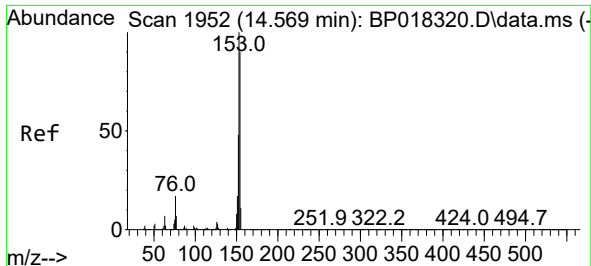
Tgt Ion:165 Resp: 769090
Ion Ratio Lower Upper
165 100
89 51.0 45.8 68.6
121 20.0 17.8 26.8



#50
Acenaphthylene
Concen: 41.577 ng/ul
RT: 14.228 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion:152 Resp: 4231963
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.9 10.8 16.2

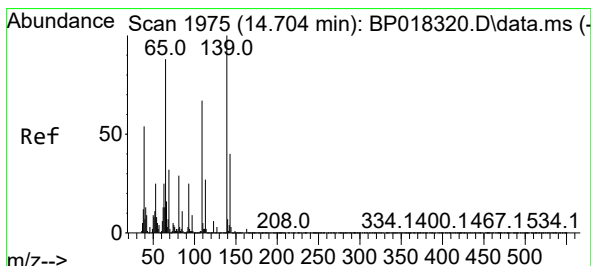
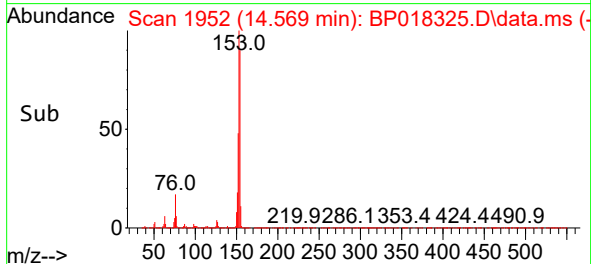
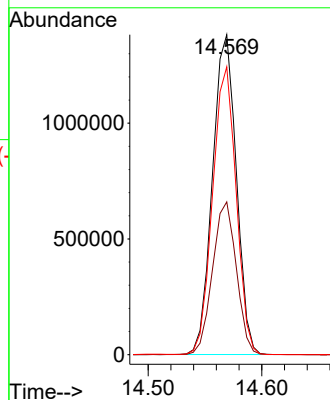
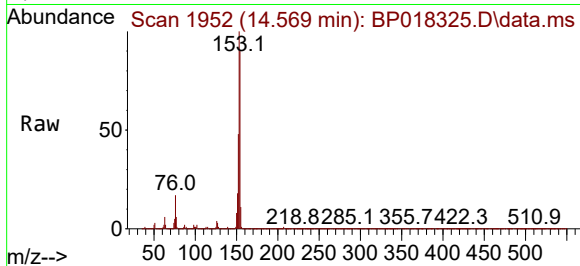




#52
Acenaphthene
Concen: 30.327 ng/ul
RT: 14.569 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

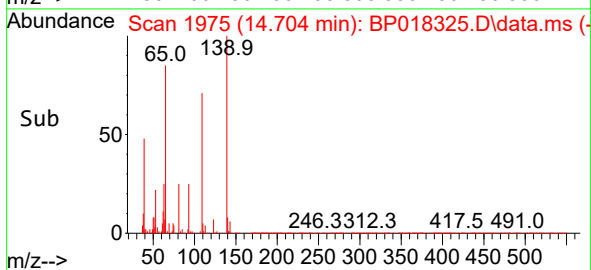
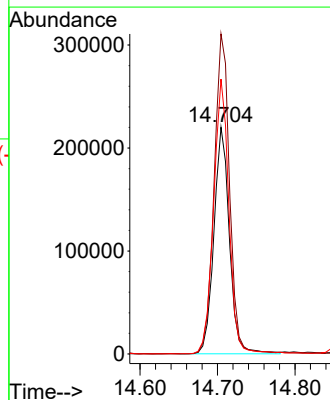
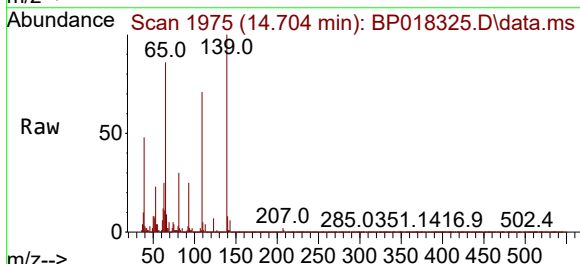
Instrument :
BNA_P
ClientSampleId :
DCKV4DL

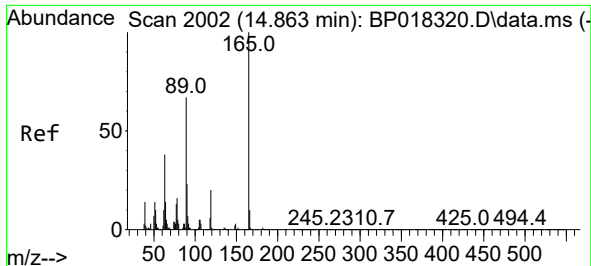
Tgt Ion:153 Resp: 2016562
Ion Ratio Lower Upper
153 100
152 47.7 37.8 56.8
154 90.0 71.2 106.8



#55
4-Nitrophenol
Concen: 37.402 ng/ul
RT: 14.704 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion:109 Resp: 306563
Ion Ratio Lower Upper
109 100
139 141.2 113.0 169.4
65 121.2 99.6 149.4

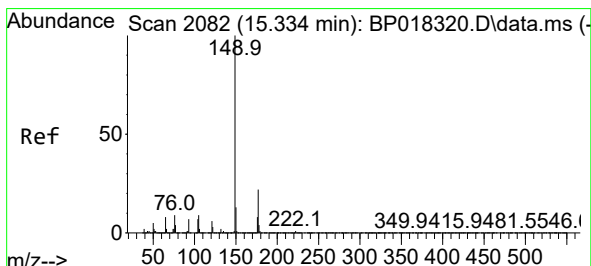
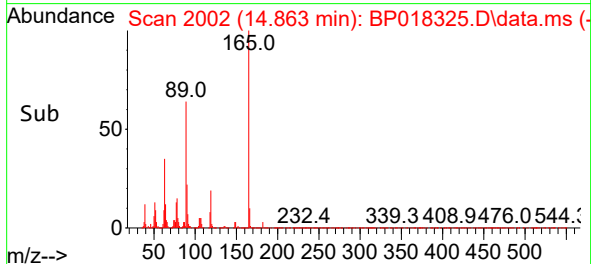
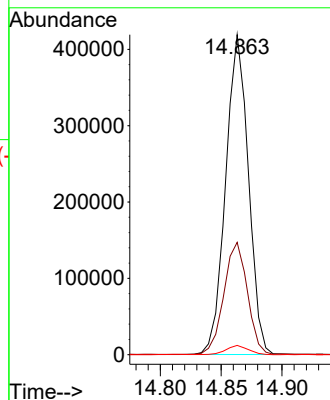
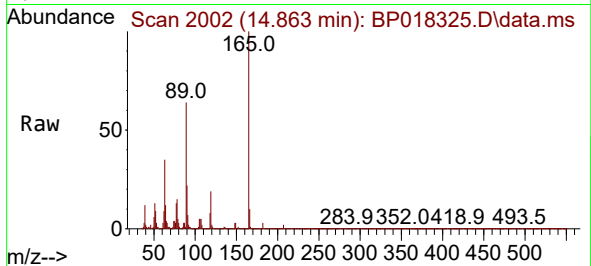




#57
2,4-Dinitrotoluene
Concen: 30.490 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

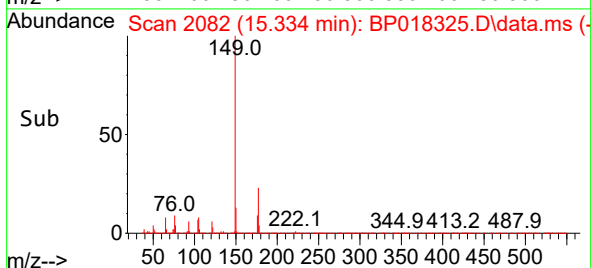
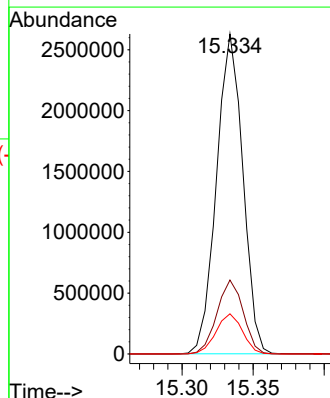
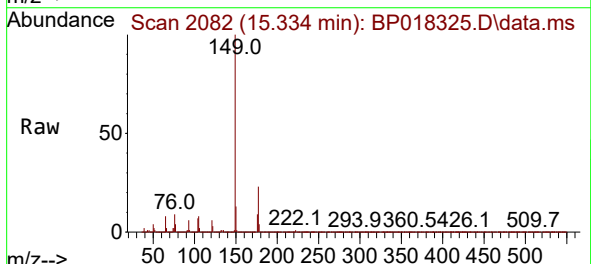
Instrument :
BNA_P
ClientSampleId :
DCKV4DL

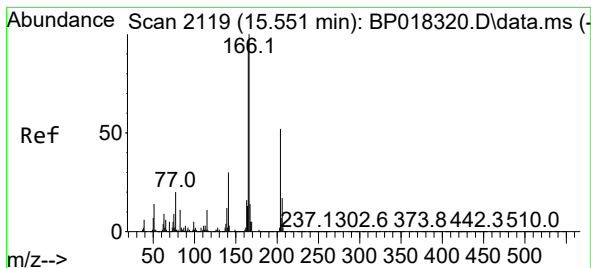
Tgt Ion:165 Resp: 544711
Ion Ratio Lower Upper
165 100
63 35.1 32.1 48.1
182 2.9 2.0 3.0



#59
Diethylphthalate
Concen: 43.045 ng/ul
RT: 15.334 min Scan# 2082
Delta R.T. -0.012 min
Lab File: BP018325.D
Acq: 24 Nov 2023 13:32

Tgt Ion:149 Resp: 3390596
Ion Ratio Lower Upper
149 100
177 23.1 18.2 27.2
150 12.6 10.2 15.2





#61

Fluorene

Concen: 11.565 ng/ul

RT: 15.551 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Instrument :

BNA_P

ClientSampleId :

DCKV4DL

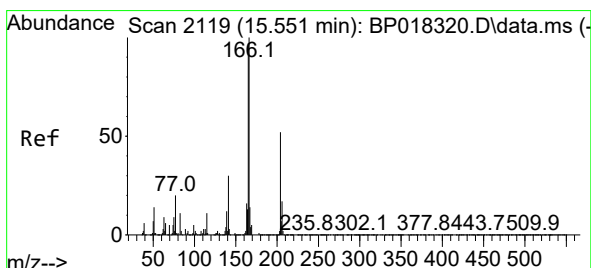
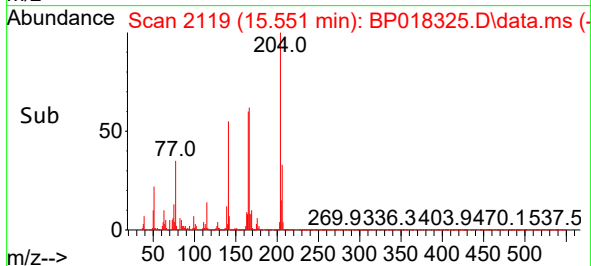
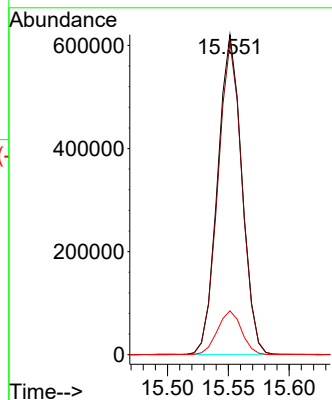
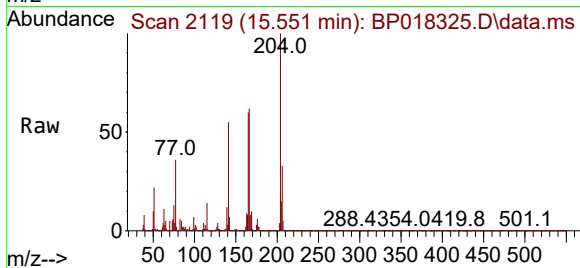
Tgt Ion:166 Resp: 857369

Ion Ratio Lower Upper

166 100

165 97.6 77.5 116.3

167 13.7 10.6 16.0



#62

4-Chlorophenyl-phenylether

Concen: 35.813 ng/ul

RT: 15.551 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

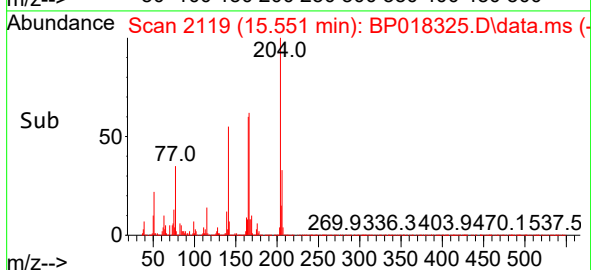
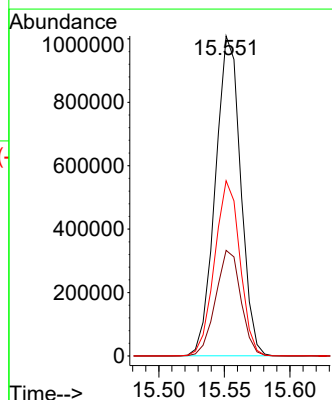
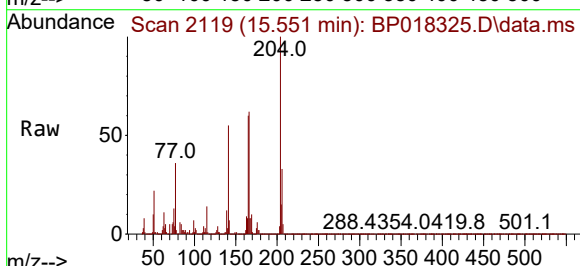
Tgt Ion:204 Resp: 1348139

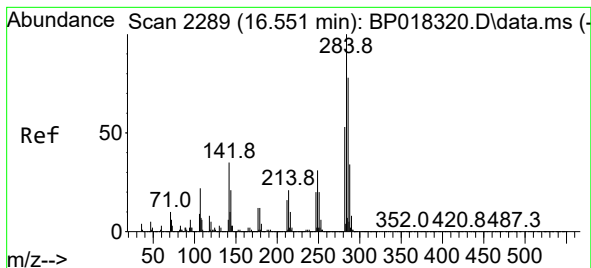
Ion Ratio Lower Upper

204 100

206 33.0 26.2 39.2

141 54.8 44.8 67.2





#69

Hexachlorobenzene

Concen: 67.420 ng/ul

RT: 16.557 min Scan# 2289

Delta R.T. 0.000 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Instrument :

BNA_P

ClientSampleId :

DCKV4DL

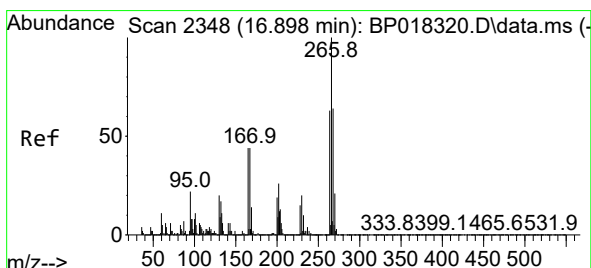
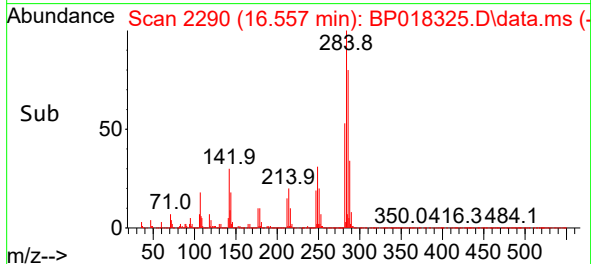
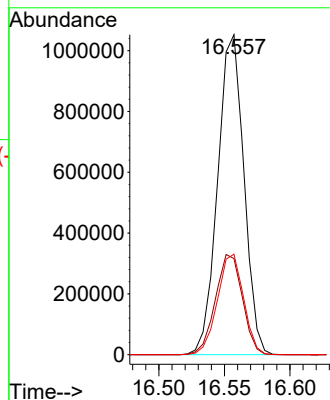
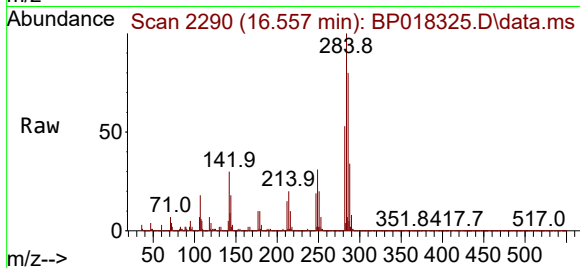
Tgt Ion:284 Resp: 1464409

Ion Ratio Lower Upper

284 100

142 30.0 28.9 43.3

249 31.4 26.0 39.0



#71

Pentachlorophenol

Concen: 54.165 ng/ul

RT: 16.898 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

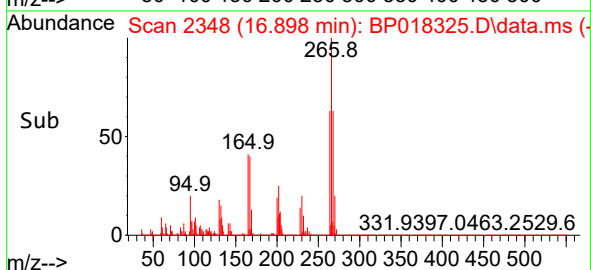
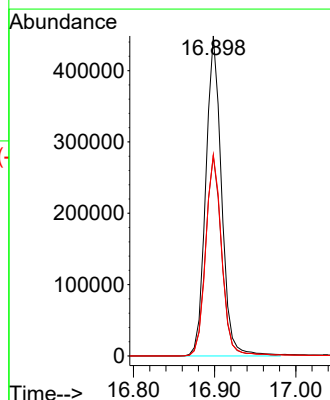
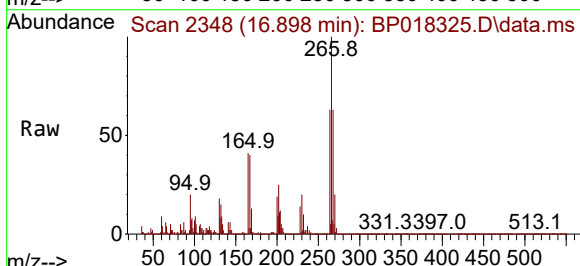
Tgt Ion:266 Resp: 604511

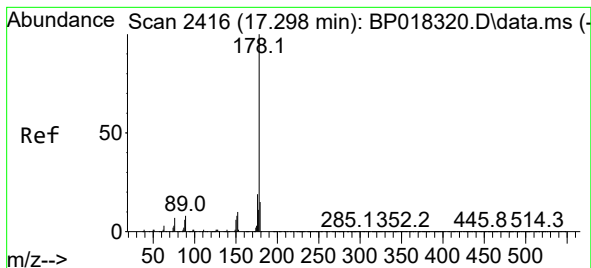
Ion Ratio Lower Upper

266 100

264 62.6 50.1 75.1

268 62.9 50.1 75.1





#72

Phenanthrene

Concen: 15.573 ng/ul

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Instrument :

BNA_P

ClientSampleId :

DCKV4DL

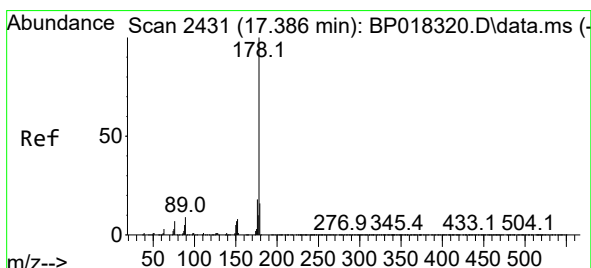
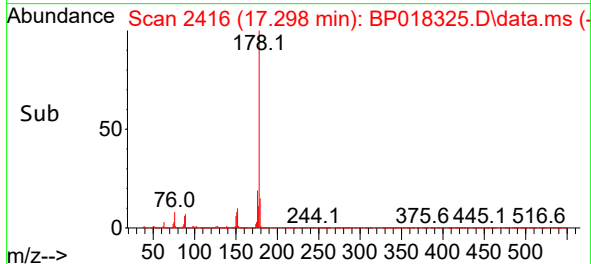
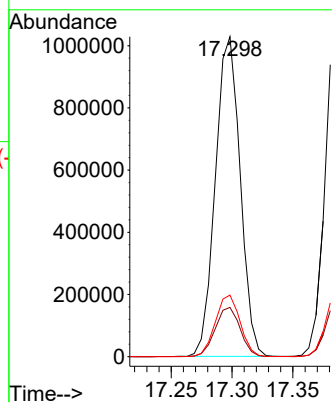
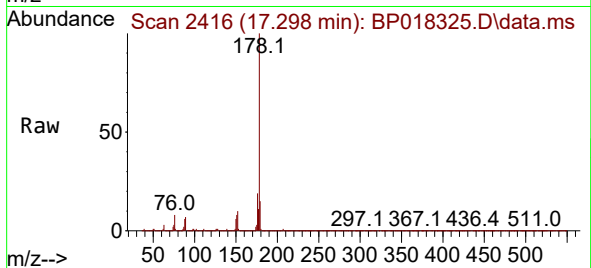
Tgt Ion:178 Resp: 1457690

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.2 15.1 22.7



#74

Anthracene

Concen: 20.538 ng/ul

RT: 17.387 min Scan# 2431

Delta R.T. -0.012 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

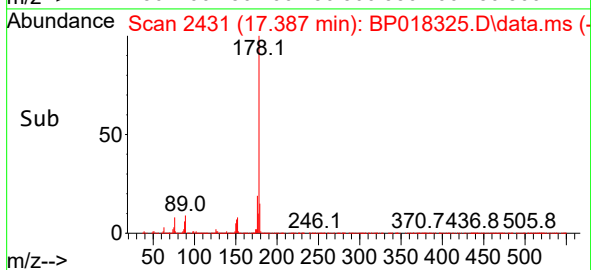
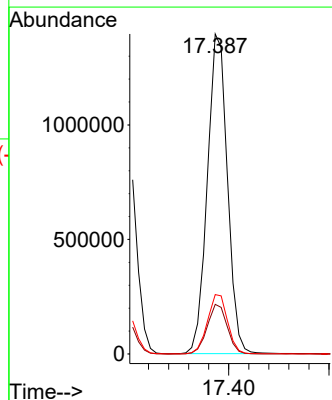
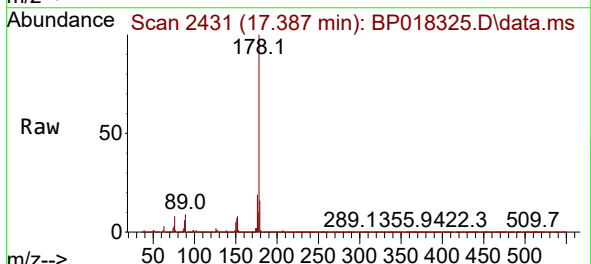
Tgt Ion:178 Resp: 1940465

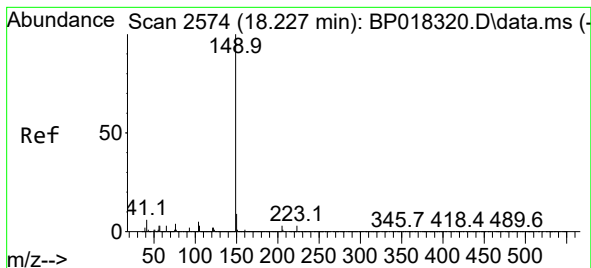
Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 18.6 15.2 22.8





#78

Di-n-butylphthalate

Concen: 41.060 ng/ul

RT: 18.228 min Scan# 2574

Delta R.T. -0.012 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Instrument :

BNA_P

ClientSampleId :

DCKV4DL

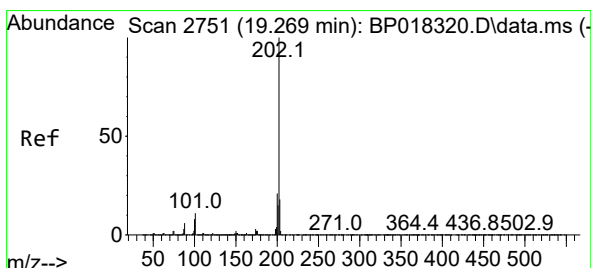
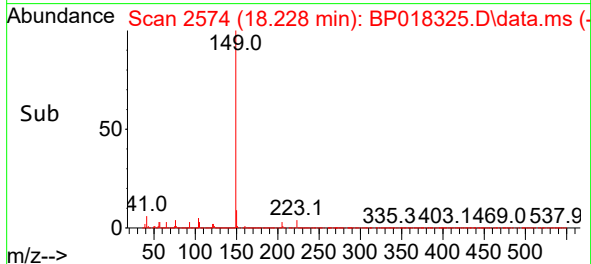
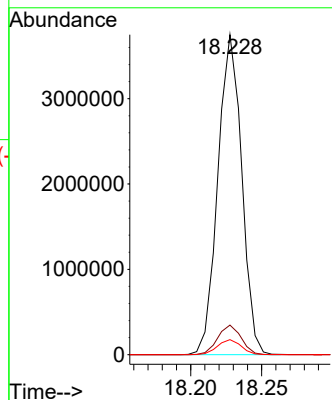
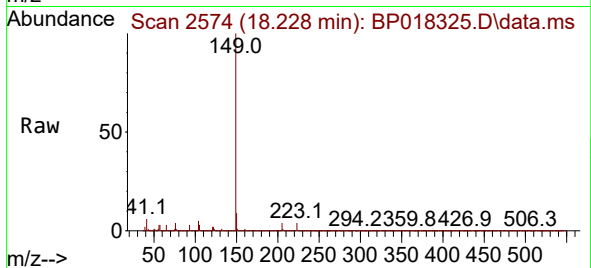
Tgt Ion:149 Resp: 4371677

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 4.7 3.8 5.6



#80

Fluoranthene

Concen: 37.582 ng/ul

RT: 19.269 min Scan# 2751

Delta R.T. -0.006 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

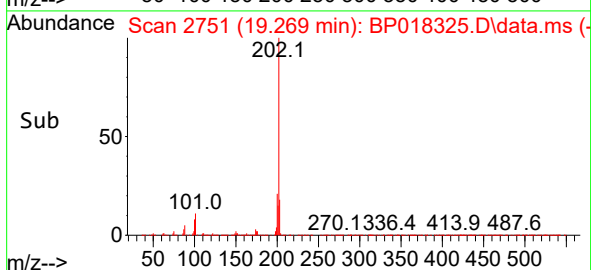
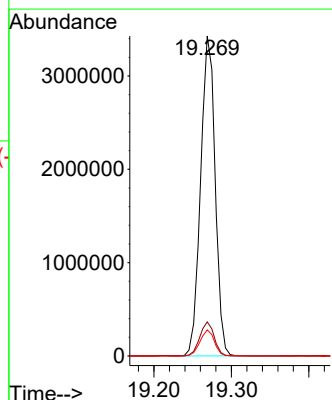
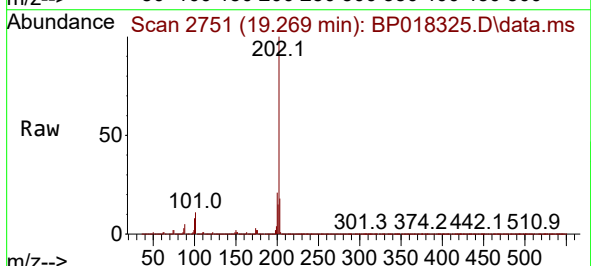
Tgt Ion:202 Resp: 4466901

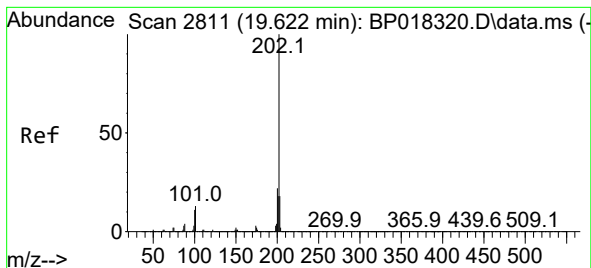
Ion Ratio Lower Upper

202 100

101 10.7 8.6 13.0

100 8.2 6.7 10.1





#82

Pyrene

Concen: 18.185 ng/ul

RT: 19.622 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Instrument :

BNA_P

ClientSampleId :

DCKV4DL

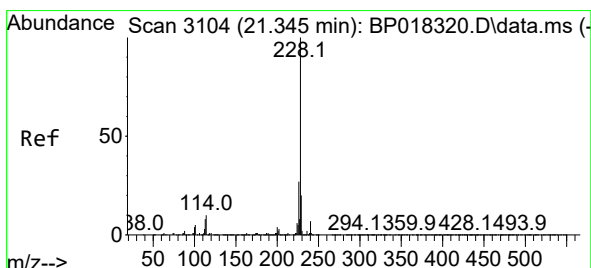
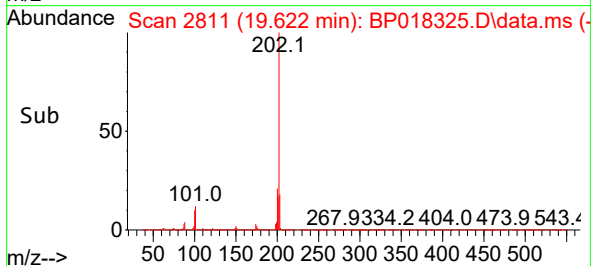
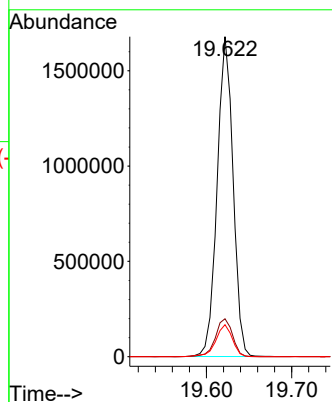
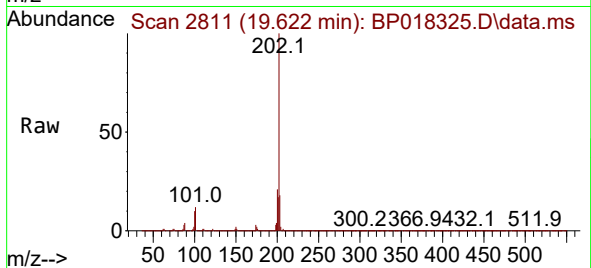
Tgt Ion:202 Resp: 2176490

Ion Ratio Lower Upper

202 100

101 11.8 10.2 15.4

100 10.0 8.4 12.6



#85

Benzo(a)anthracene

Concen: 31.543 ng/ul

RT: 21.345 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

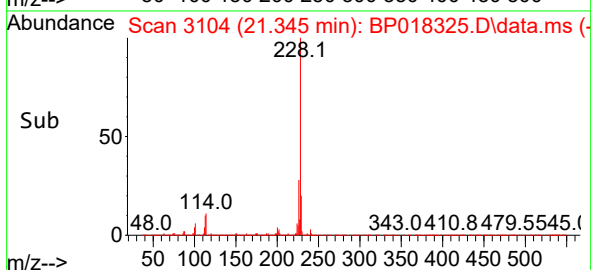
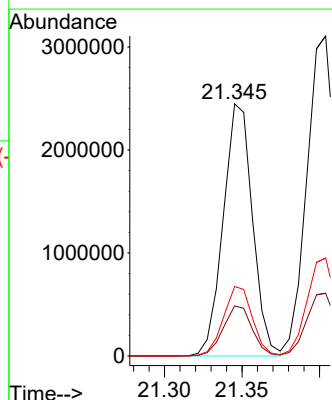
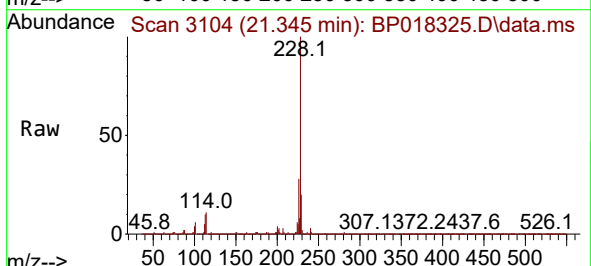
Tgt Ion:228 Resp: 3213595

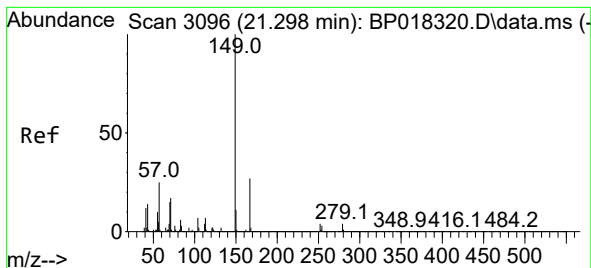
Ion Ratio Lower Upper

228 100

229 19.8 16.2 24.2

226 27.5 22.2 33.2

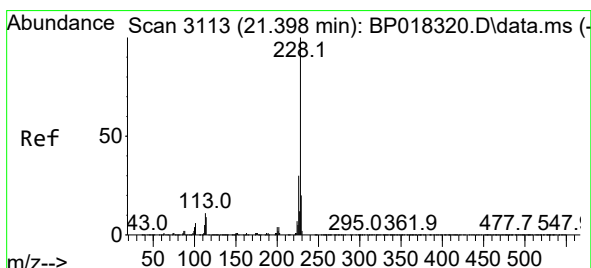
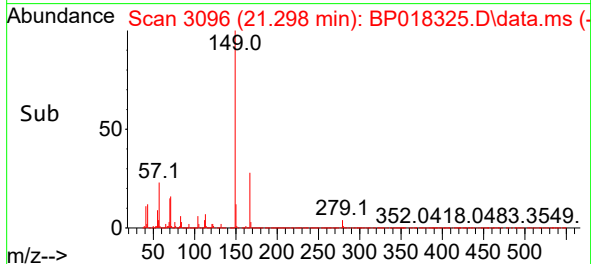
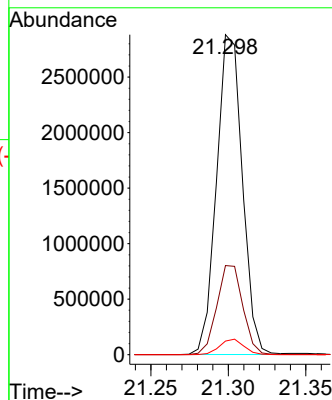
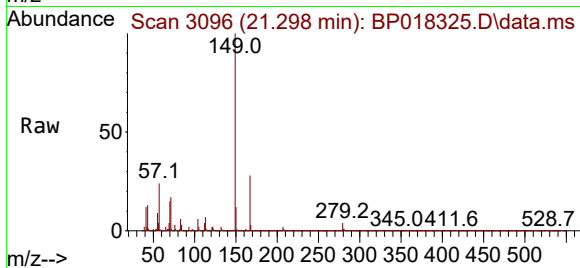




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 50.174 ng/ul
 RT: 21.298 min Scan# 3096
 Delta R.T. -0.006 min
 Lab File: BP018325.D
 Acq: 24 Nov 2023 13:32

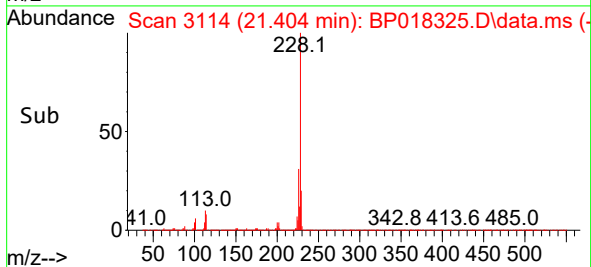
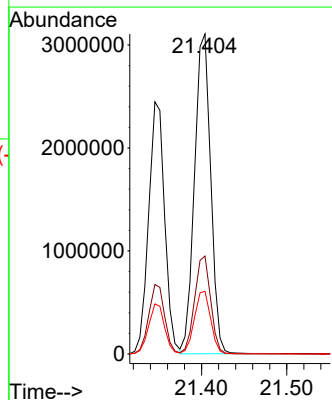
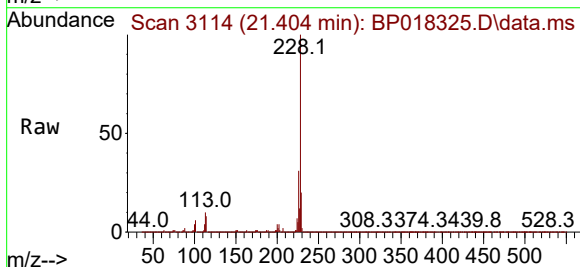
Instrument :
 BNA_P
 ClientSampleId :
 DCKV4DL

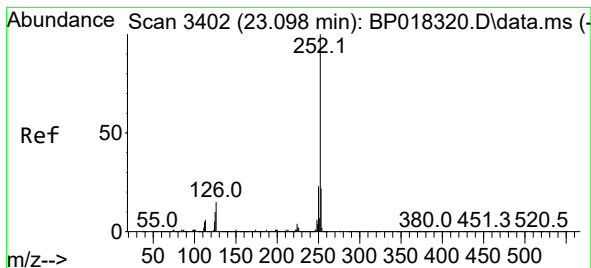
Tgt Ion:149 Resp: 3334227
 Ion Ratio Lower Upper
 149 100
 167 27.8 22.1 33.1
 279 4.3 3.4 5.0



#87
 Chrysene
 Concen: 44.240 ng/ul
 RT: 21.404 min Scan# 3114
 Delta R.T. 0.006 min
 Lab File: BP018325.D
 Acq: 24 Nov 2023 13:32

Tgt Ion:228 Resp: 4101473
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.2 36.4
 229 19.6 16.1 24.1





#91

Benzo(k)fluoranthene

Concen: 42.570 ng/ul

RT: 23.104 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Instrument :

BNA_P

ClientSampleId :

DCKV4DL

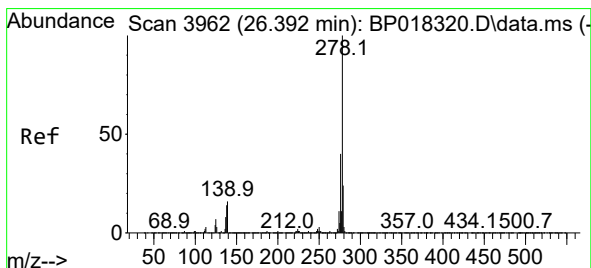
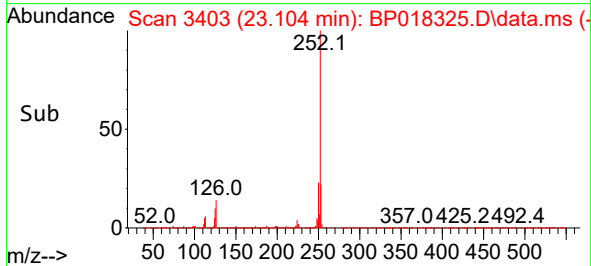
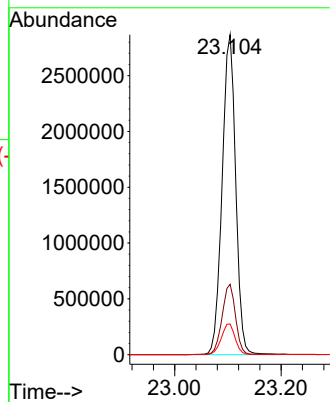
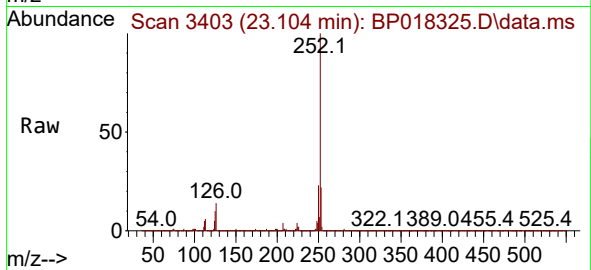
Tgt Ion:252 Resp: 5052103

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.6 8.0 12.0



#95

Dibenzo(a,h)anthracene

Concen: 33.300 ng/ul

RT: 26.404 min Scan# 3964

Delta R.T. 0.035 min

Lab File: BP018325.D

Acq: 24 Nov 2023 13:32

Tgt Ion:278 Resp: 3455852

Ion Ratio Lower Upper

278 100

139 15.6 13.3 19.9

279 23.9 19.0 28.4

