

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112423\
 Data File : BP018322.D
 Acq On : 24 Nov 2023 10:16
 Operator : MA/JU
 Sample : 05264-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKV5

Quant Time: Nov 24 11:08:02 2023
 Quant Title :
 QLast Update : Fri Nov 24 22:02:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	433017	20.000	ng/ul	0.00
20) Naphthalene-d8	10.675	136	1765469	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.504	164	1088609	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.257	188	2147894	20.000	ng/ul	0.00
79) Chrysene-d12	21.357	240	1274916	20.000	ng/ul	0.00
88) Perylene-d12	23.786	264	1362512	20.000	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	66504	5.752	ng/uL	0.00
4) Pyridine-d5	3.687	84	924305	29.092	ng/ul	0.00
7) Phenol-d5	7.034	99	1311883	33.151	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.210	67	778355	32.892	ng/ul	0.00
11) 2-Chlorophenol-d4	7.399	132	1046551	31.498	ng/ul	0.00
15) 4-Methylphenol-d8	8.587	113	962007	30.123	ng/ul	0.00
21) Nitrobenzene-d5	9.034	128	509511	35.531	ng/ul	0.00
24) 2-Nitrophenol-d4	9.757	143	516813	39.025	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.298	165	1031985	32.299	ng/ul	0.00
31) 4-Chloroaniline-d4	10.810	131	1303905	30.258	ng/ul	0.00
46) Dimethylphthalate-d6	13.922	166	3322586	34.301	ng/ul	-0.01
49) Acenaphthylene-d8	14.198	160	3721509	33.718	ng/ul	0.00
54) 4-Nitrophenol-d4	14.692	143	421335	31.508	ng/ul	0.00
60) Fluorene-d10	15.498	176	2761305	34.082	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.610	200	273970	29.963	ng/ul	0.00
73) Anthracene-d10	17.357	188	3753211	32.692	ng/ul	0.00
81) Pyrene-d10	19.592	212	3880362	38.242	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.627	264	2768265	35.045	ng/ul	0.00

Target Compounds				Qvalue		
10) Bis(2-Chloroethyl)ether	7.304	93	2367916	73.231	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.687	70	695351	25.472	ng/ul	96
19) Hexachloroethane	8.957	117	773532	55.567	ng/ul	97
22) Nitrobenzene	9.081	77	2189947	65.187	ng/ul	97
23) Isophorone	9.610	82	8776646	117.215	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.104	93	5859371	129.572	ng/ul	99
30) Naphthalene	10.728	128	10472477	98.077	ng/ul	98
33) Hexachlorobutadiene	11.016	225	2766590	132.540	ng/ul	99
36) 2-Methylnaphthalene	12.334	142	4263557	56.419	ng/ul	99
40) Hexachlorocyclopentadiene	12.681	237	1724116	79.177	ng/ul	100
44) 2-Chloronaphthalene	13.386	162	6256588	83.343	ng/ul	99
47) Dimethylphthalate	13.969	163	4258515	44.932	ng/ul	99
48) 2,6-Dinitrotoluene	14.086	165	312522	19.558	ng/ul	95
50) Acenaphthylene	14.228	152	4392974	35.707	ng/ul	100
59) Diethylphthalate	15.339	149	4590067	48.211	ng/ul	99
61) Fluorene	15.551	166	2967612	33.120	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.557	204	6422469	141.154	ng/ul	97
68) 4-Bromophenyl-phenylether	16.451	248	2226927	82.118	ng/ul	96
69) Hexachlorobenzene	16.557	284	2317272	76.435	ng/ul	95
72) Phenanthrene	17.298	178	4776075	36.557	ng/ul	99
74) Anthracene	17.392	178	5350776	40.575	ng/ul	100
78) Di-n-butylphthalate	18.227	149	7807365	52.537	ng/ul	99
87) Chrysene	21.392	228	3558947	37.641	ng/ul	100
89) Di-n-octyl phthalate	22.245	149	2258806	22.518	ng/ul	100
90) Benzo(b)fluoranthene	23.045	252	2955300	29.862	ng/ul	99

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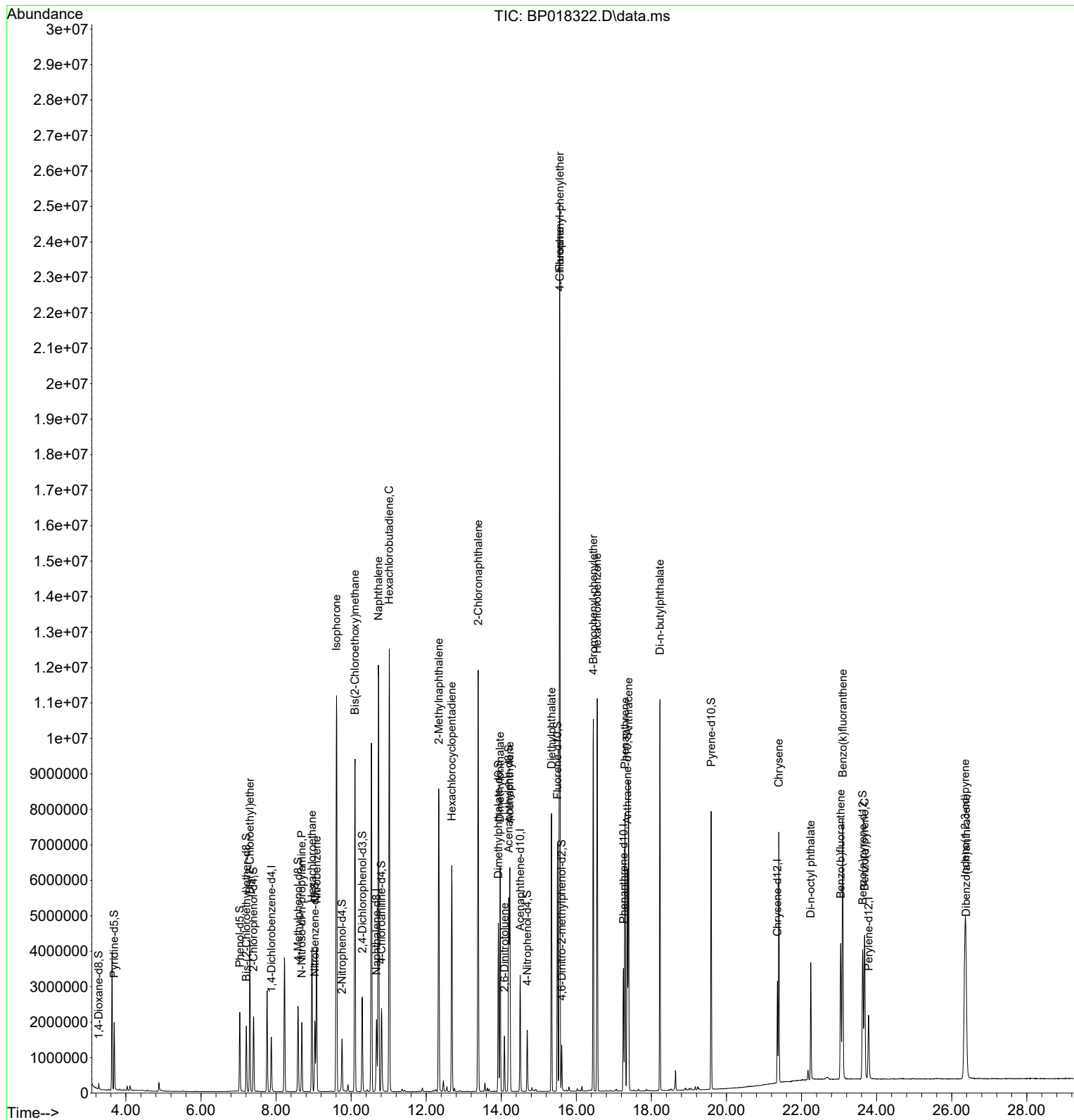
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(k)fluoranthene	23.098	252	5334676	54.148	ng/ul	100
93) Benzo(a)pyrene	23.680	252	3214082	35.314	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.356	276	5813934	55.246	ng/ul	98
95) Dibenzo(a,h)anthracene	26.386	278	2446139	28.393	ng/ul	100

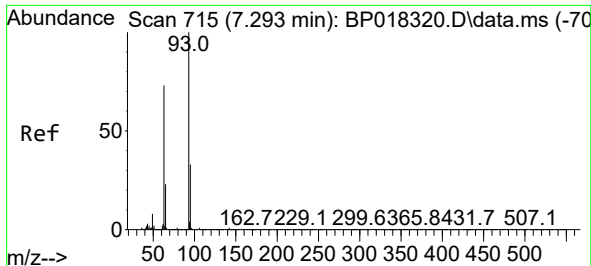
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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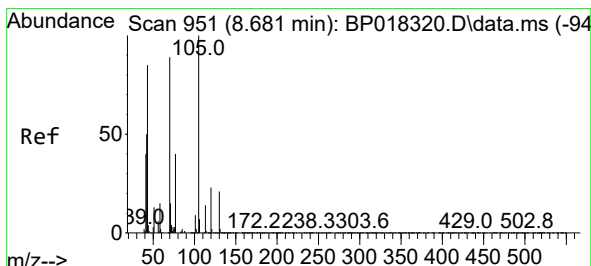
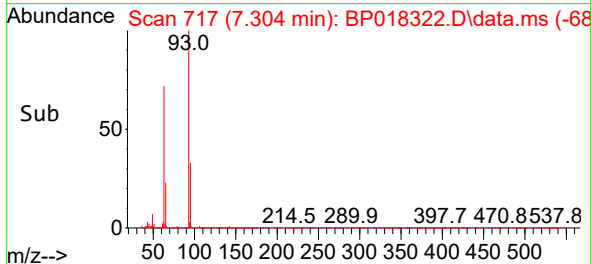
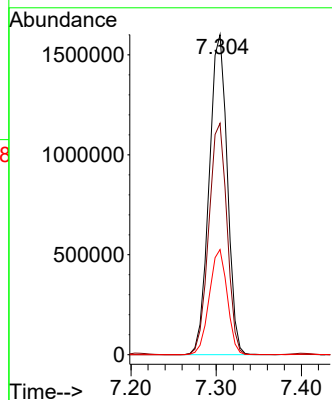
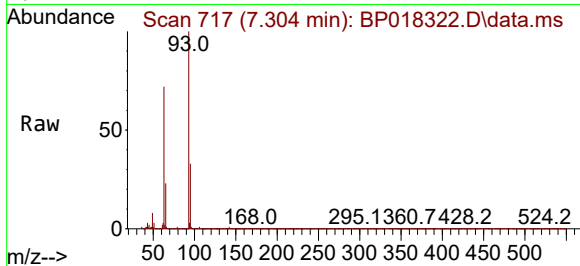


#10
 Bis(2-Chloroethyl)ether
 Concen: 73.231 ng/ul
 RT: 7.304 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: BP018322.D
 Acq: 24 Nov 2023 10:16

Instrument :
 BNA_P
 ClientSampleId :
 DCKV5

Tgt Ion: 93 Resp: 2367916

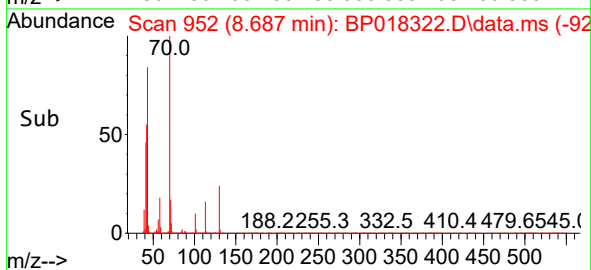
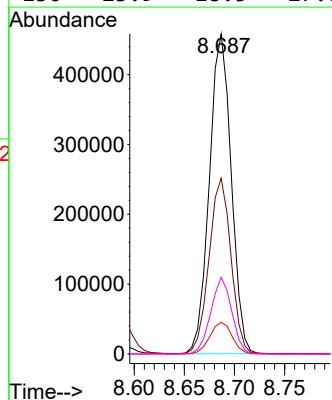
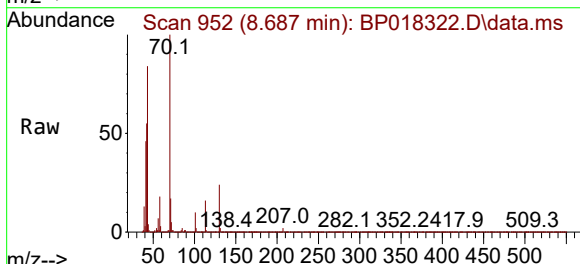
Ion	Ratio	Lower	Upper
93	100		
63	72.3	58.2	87.4
95	32.8	25.6	38.4

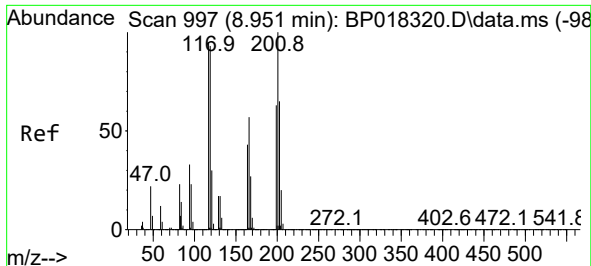


#17
 N-Nitroso-di-n-propylamine
 Concen: 25.472 ng/ul
 RT: 8.687 min Scan# 952
 Delta R.T. -0.012 min
 Lab File: BP018322.D
 Acq: 24 Nov 2023 10:16

Tgt Ion: 70 Resp: 695351

Ion	Ratio	Lower	Upper
70	100		
42	54.9	46.8	70.2
101	9.9	8.4	12.6
130	23.9	18.5	27.7

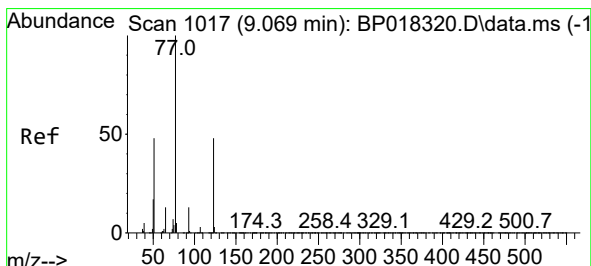
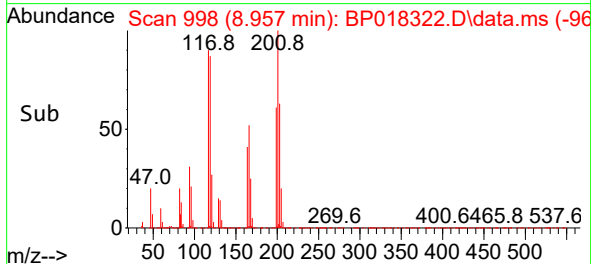
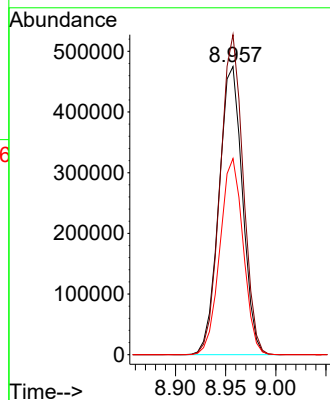
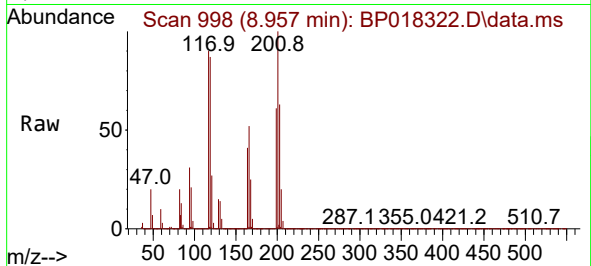




#19
Hexachloroethane
Concen: 55.567 ng/ul
RT: 8.957 min Scan# 997
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

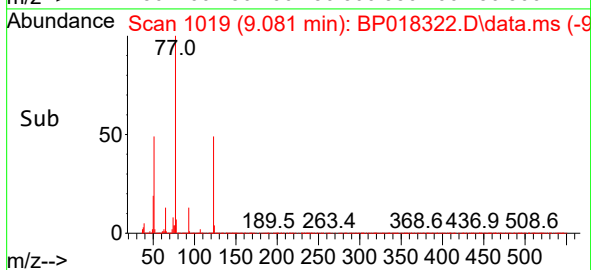
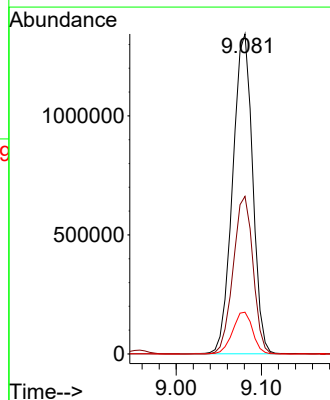
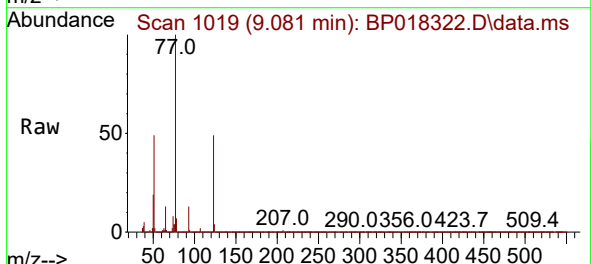
Instrument :
BNA_P
ClientSampleId :
DCKV5

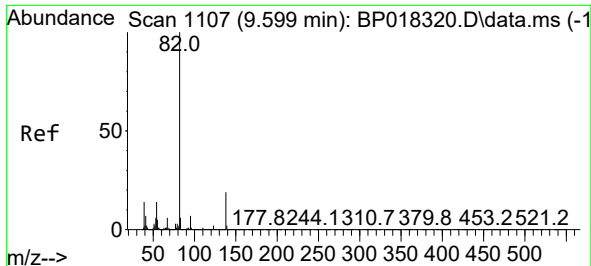
Tgt Ion:117 Resp: 773532
Ion Ratio Lower Upper
117 100
201 111.0 85.6 128.4
199 68.1 54.2 81.4



#22
Nitrobenzene
Concen: 65.187 ng/ul
RT: 9.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

Tgt Ion: 77 Resp: 2189947
Ion Ratio Lower Upper
77 100
123 49.3 37.7 56.5
65 13.0 10.5 15.7

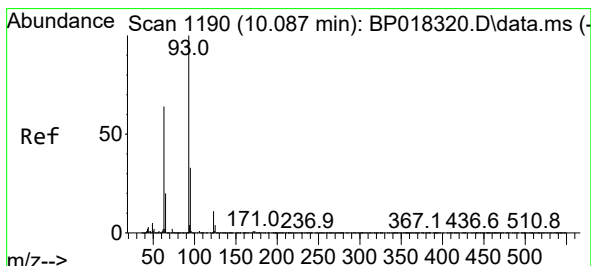
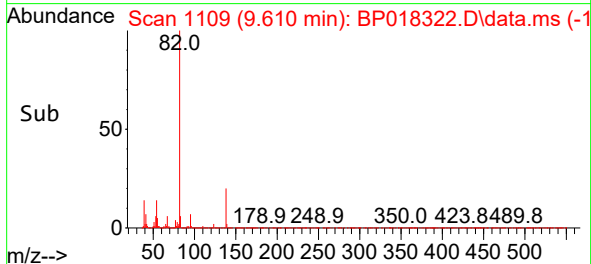
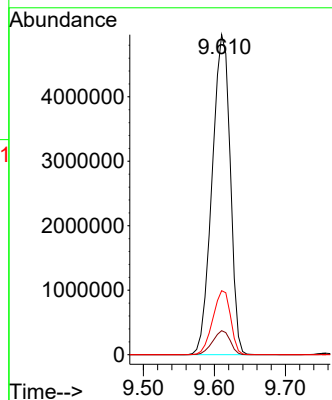
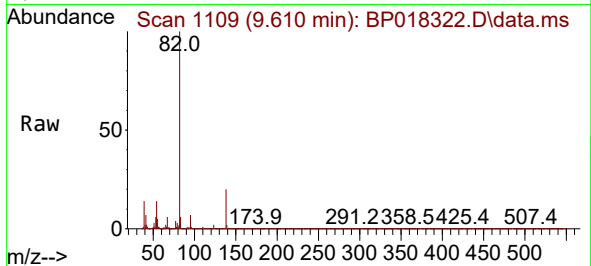




#23
Isophorone
Concen: 117.215 ng/ul
RT: 9.610 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

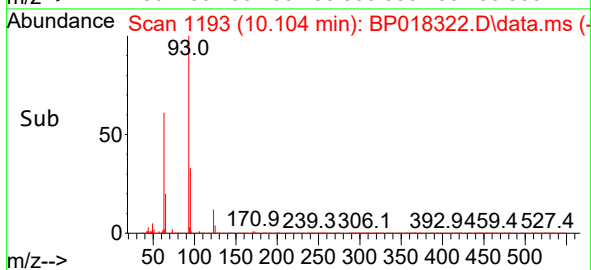
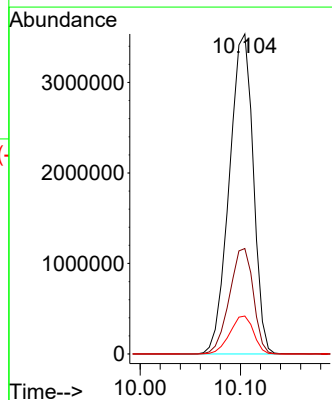
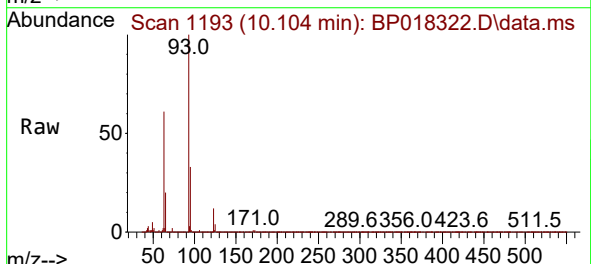
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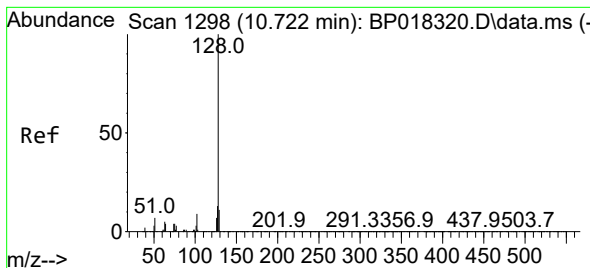
Tgt Ion: 82 Resp: 8776646
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 20.0 14.9 22.3



#27
Bis(2-Chloroethoxy)methane
Concen: 129.572 ng/ul
RT: 10.104 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

Tgt Ion: 93 Resp: 5859371
Ion Ratio Lower Upper
93 100
95 33.0 26.0 39.0
123 11.9 9.1 13.7

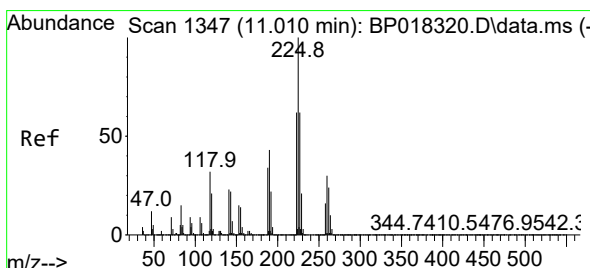
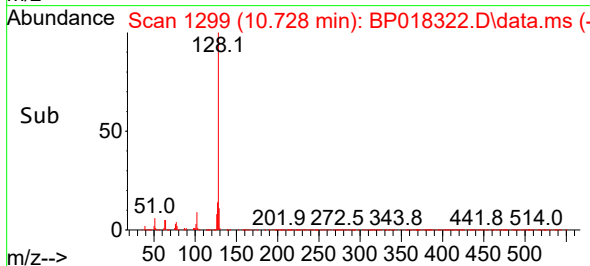
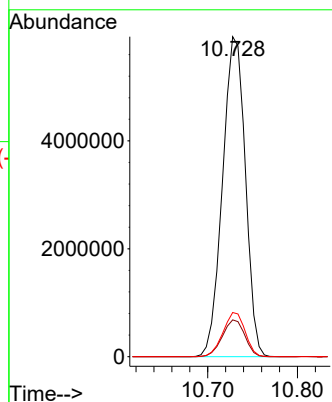
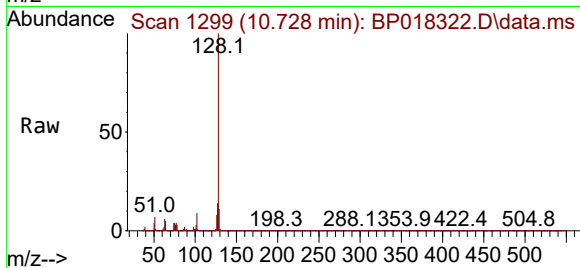




#30
Naphthalene
Concen: 98.077 ng/ul
RT: 10.728 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

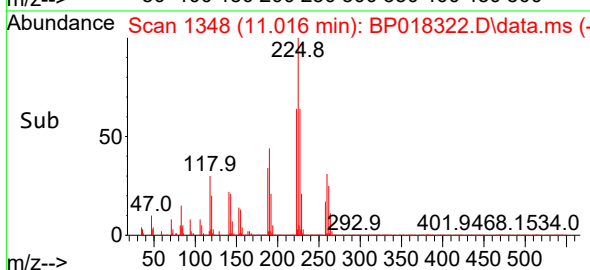
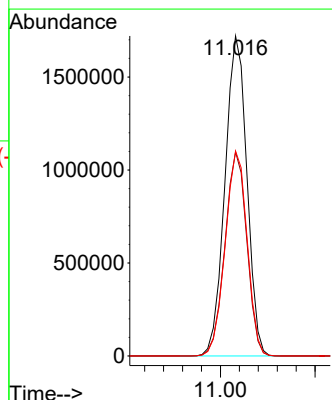
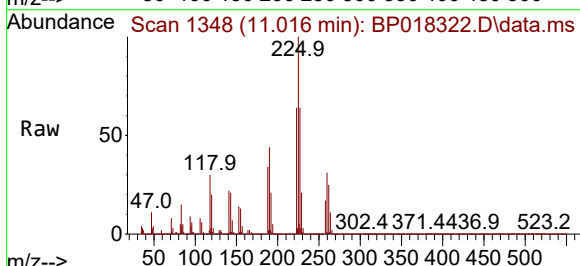
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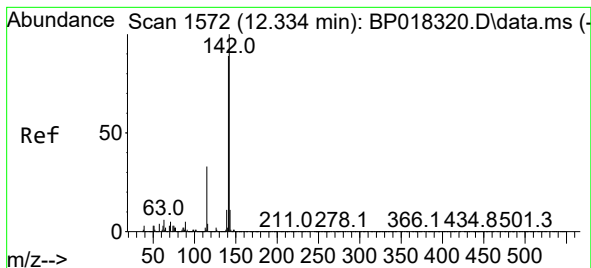
Tgt Ion:128 Resp:10472477
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.8 10.4 15.6



#33
Hexachlorobutadiene
Concen: 132.540 ng/ul
RT: 11.016 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

Tgt Ion:225 Resp: 2766590
Ion Ratio Lower Upper
225 100
223 63.8 50.2 75.4
227 64.1 50.4 75.6

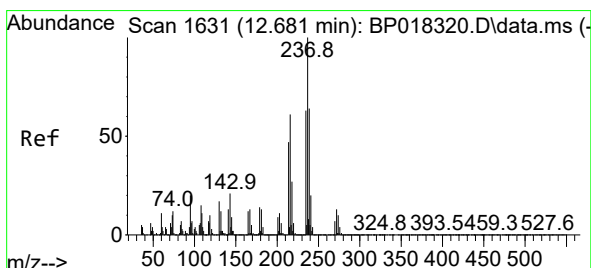
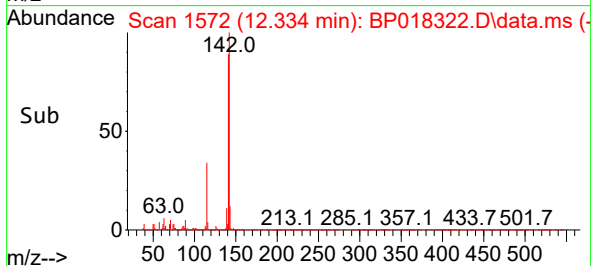
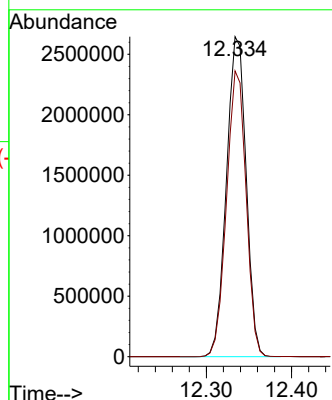
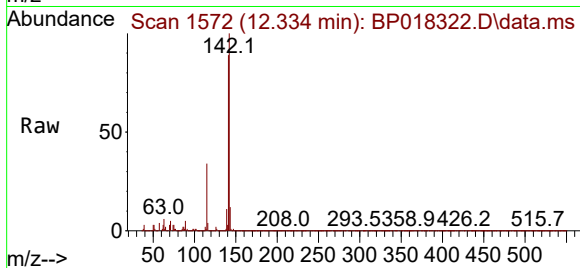




#36
2-Methylnaphthalene
Concen: 56.419 ng/ul
RT: 12.334 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BP018322.D
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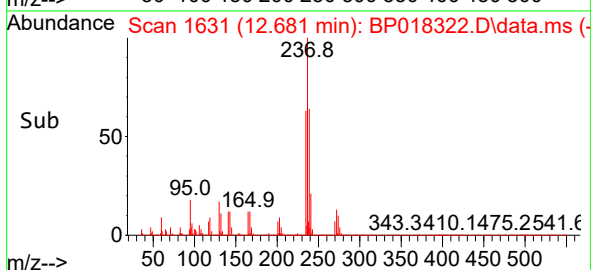
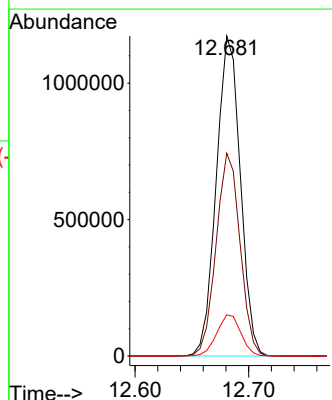
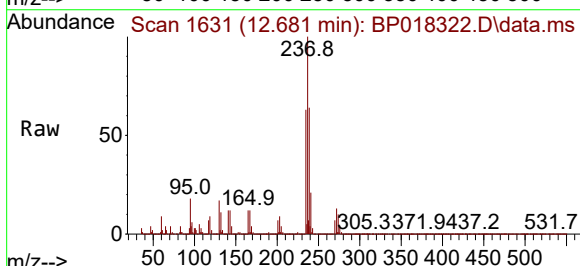
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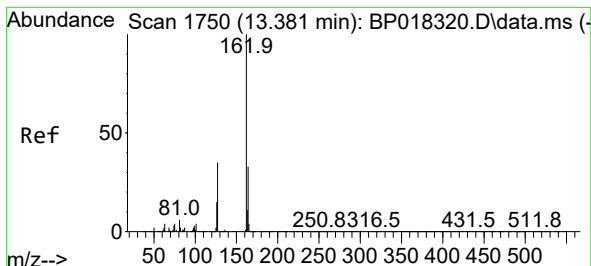
Tgt Ion:142 Resp: 4263557
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.4



#40
Hexachlorocyclopentadiene
Concen: 79.177 ng/ul
RT: 12.681 min Scan# 1631
Delta R.T. -0.012 min
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Tgt Ion:237 Resp: 1724116
Ion Ratio Lower Upper
237 100
235 63.4 50.7 76.1
272 12.9 10.3 15.5





#44

2-Chloronaphthalene

Concen: 83.343 ng/ul

RT: 13.386 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5

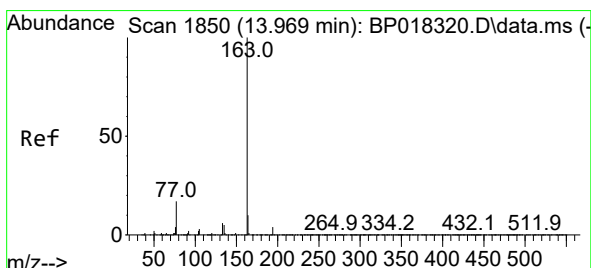
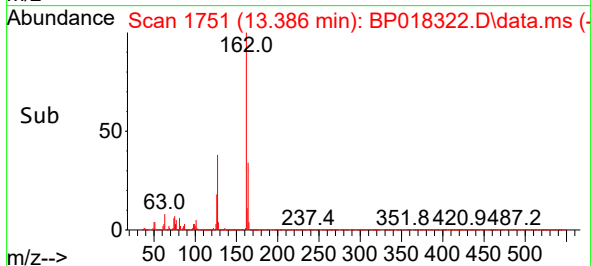
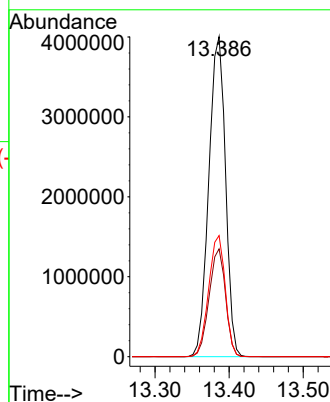
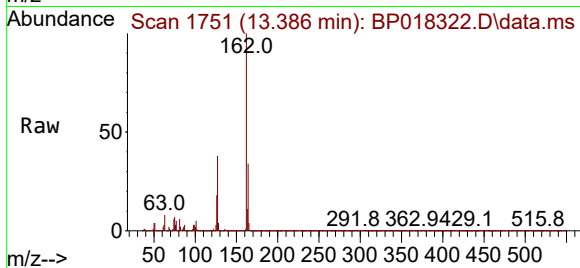
Tgt Ion:162 Resp: 6256588

Ion Ratio Lower Upper

162 100

164 33.7 26.2 39.4

127 37.8 30.6 45.8



#47

Dimethylphthalate

Concen: 44.932 ng/ul

RT: 13.969 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

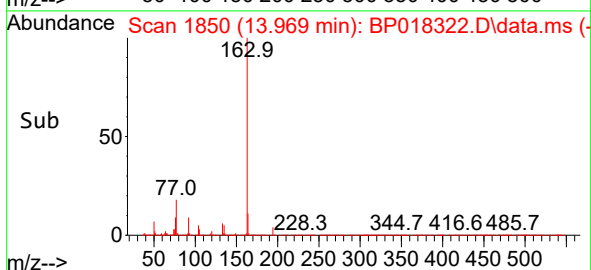
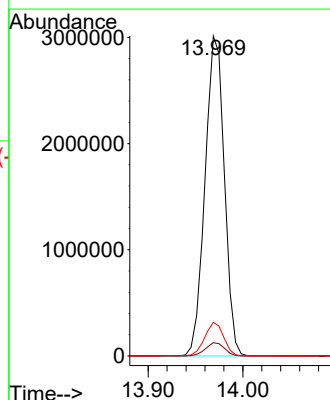
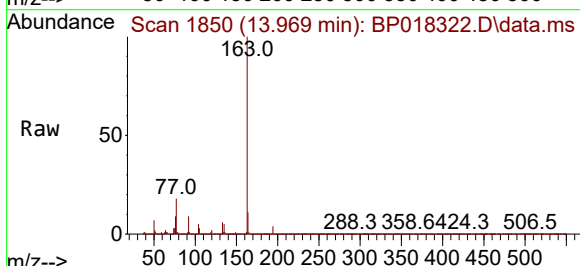
Tgt Ion:163 Resp: 4258515

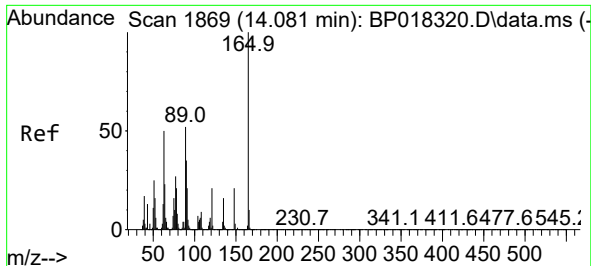
Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 10.5 7.9 11.9

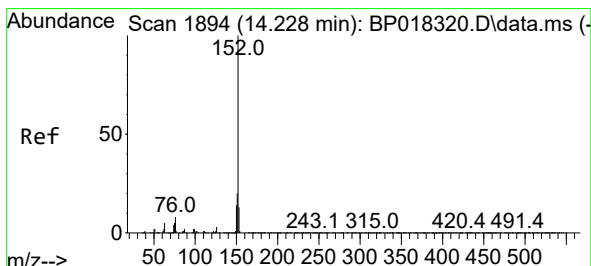
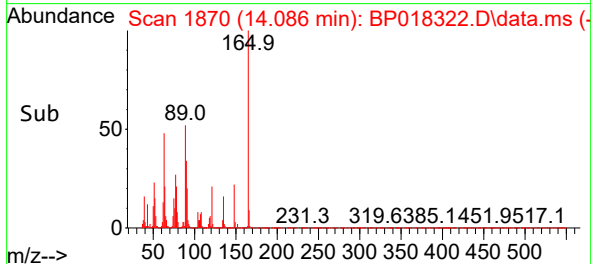
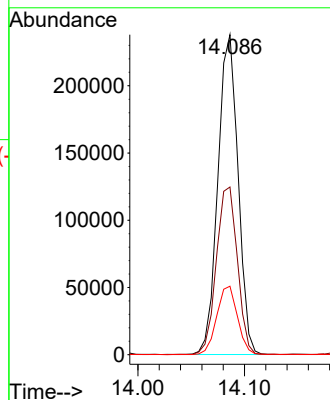
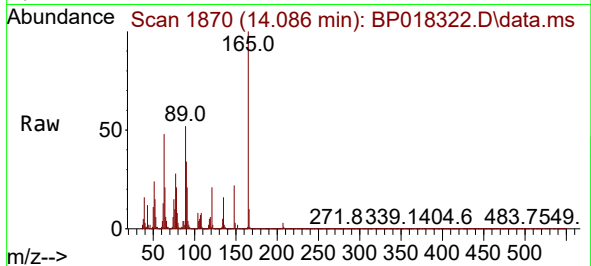




#48
2,6-Dinitrotoluene
Concen: 19.558 ng/ul
RT: 14.086 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

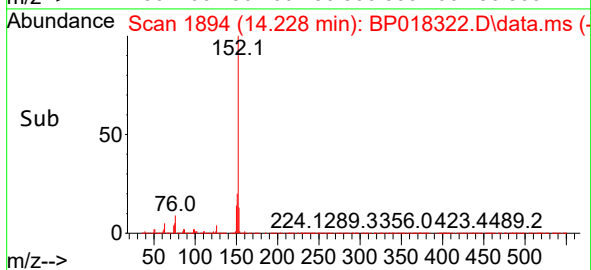
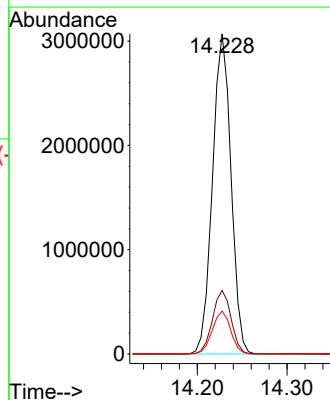
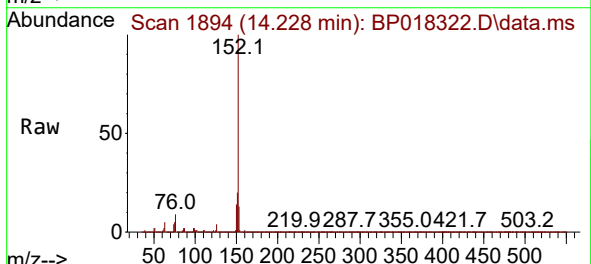
Instrument :
BNA_P
ClientSampleId :
DCKV5

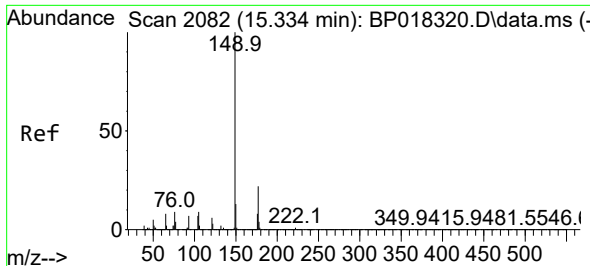
Tgt Ion:165 Resp: 312522
Ion Ratio Lower Upper
165 100
89 52.4 45.8 68.6
121 21.4 17.8 26.8



#50
Acenaphthylene
Concen: 35.707 ng/ul
RT: 14.228 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

Tgt Ion:152 Resp: 4392974
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.4 10.8 16.2

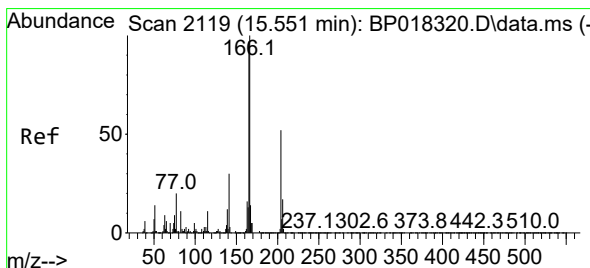
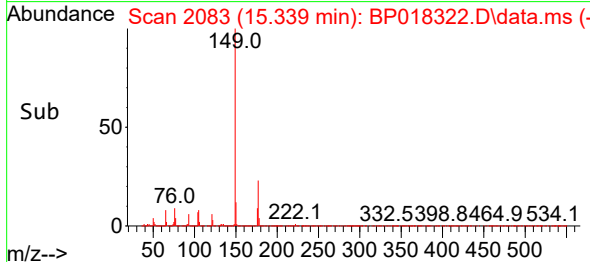
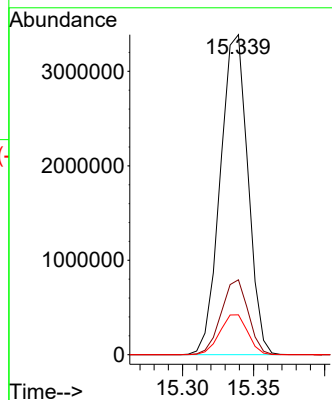
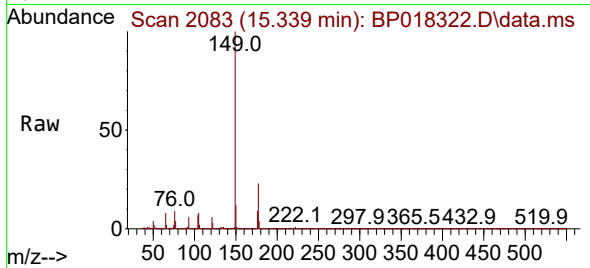




#59
Diethylphthalate
Concen: 48.211 ng/ul
RT: 15.339 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

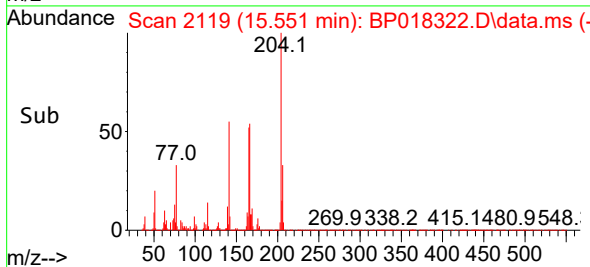
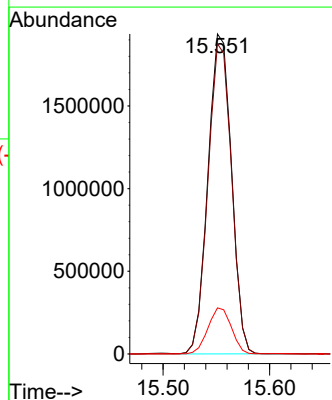
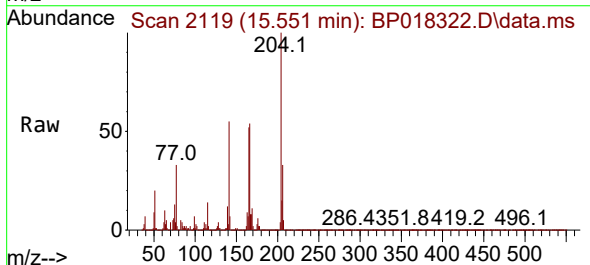
Instrument :
BNA_P
ClientSampleId :
DCKV5

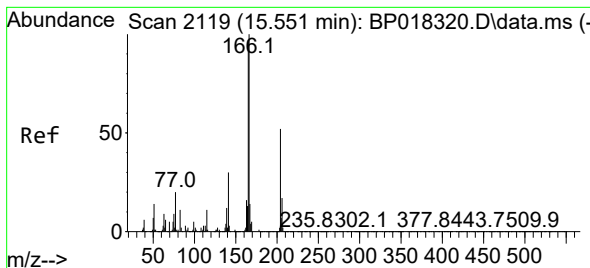
Tgt Ion:149 Resp: 4590067
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.2
150 12.5 10.2 15.2



#61
Fluorene
Concen: 33.120 ng/ul
RT: 15.551 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

Tgt Ion:166 Resp: 2967612
Ion Ratio Lower Upper
166 100
165 97.0 77.5 116.3
167 14.4 10.6 16.0

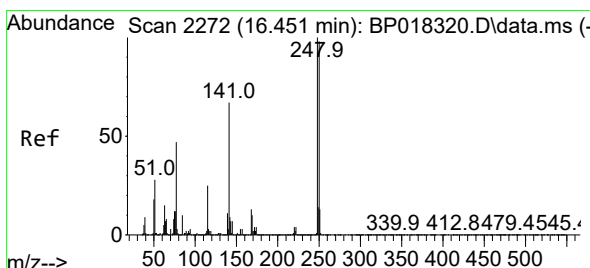
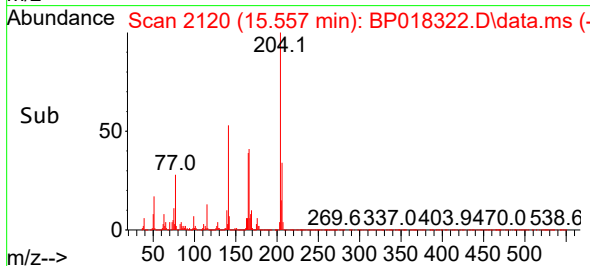
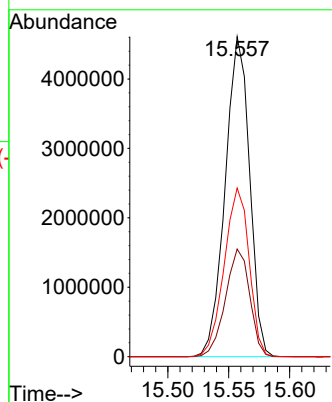
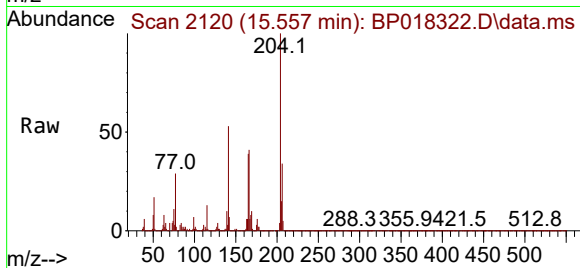




#62
4-Chlorophenyl-phenylether
Concen: 141.154 ng/ul
RT: 15.557 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

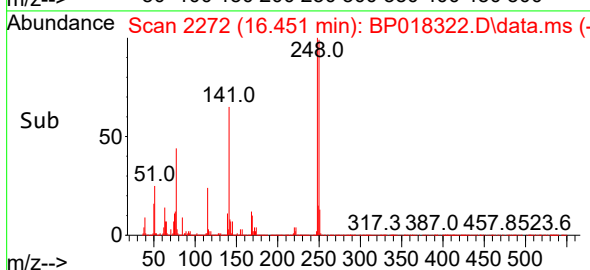
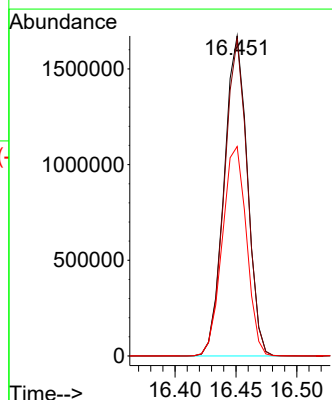
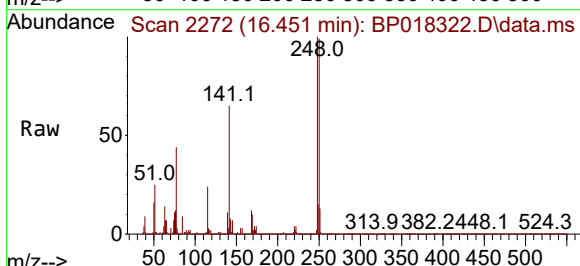
Instrument :
BNA_P
ClientSampleId :
DCKV5

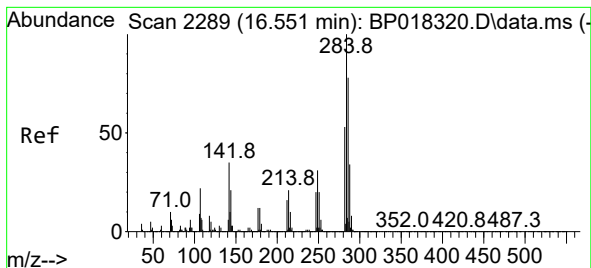
Tgt Ion:204 Resp: 6422469
Ion Ratio Lower Upper
204 100
206 33.7 26.2 39.2
141 52.7 44.8 67.2



#68
4-Bromophenyl-phenylether
Concen: 82.118 ng/ul
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP018322.D
Acq: 24 Nov 2023 10:16

Tgt Ion:248 Resp: 2226927
Ion Ratio Lower Upper
248 100
250 99.0 77.4 116.2
141 65.5 56.0 84.0





#69

Hexachlorobenzene

Concen: 76.435 ng/ul

RT: 16.557 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5

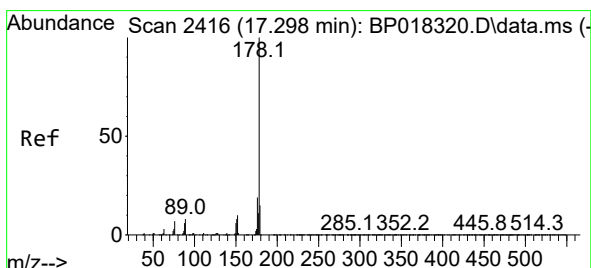
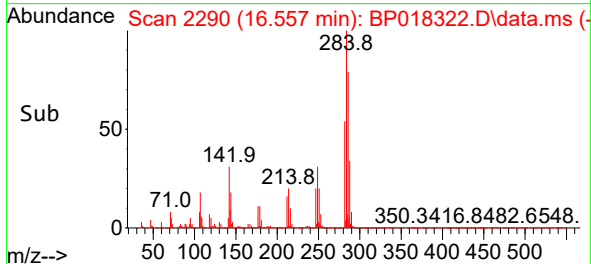
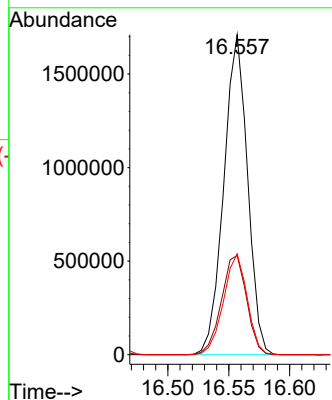
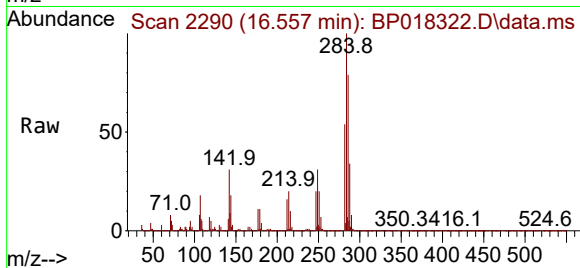
Tgt Ion:284 Resp: 2317272

Ion Ratio Lower Upper

284 100

142 31.0 28.9 43.3

249 31.5 26.0 39.0



#72

Phenanthrene

Concen: 36.557 ng/ul

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

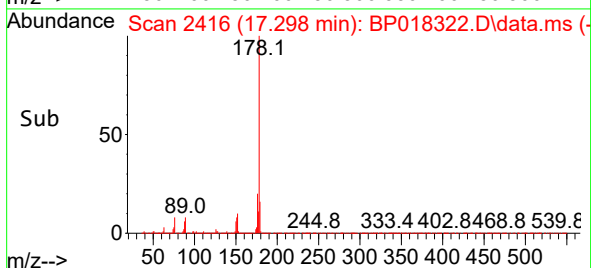
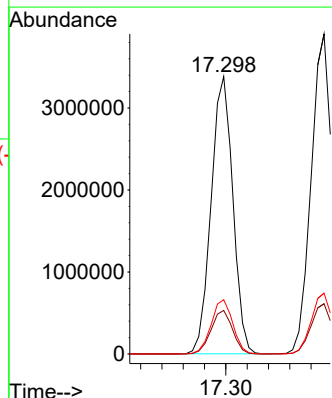
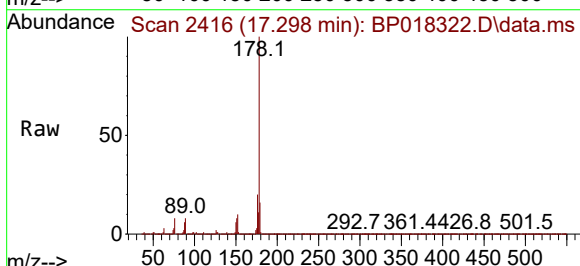
Tgt Ion:178 Resp: 4776075

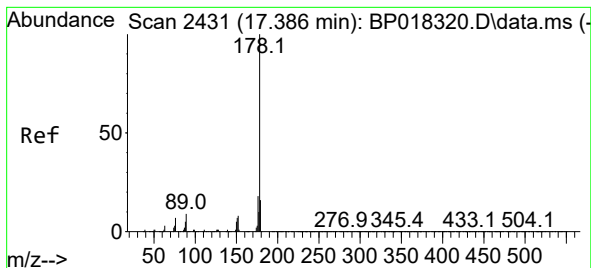
Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

176 19.5 15.1 22.7





#74

Anthracene

Concen: 40.575 ng/ul

RT: 17.392 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5

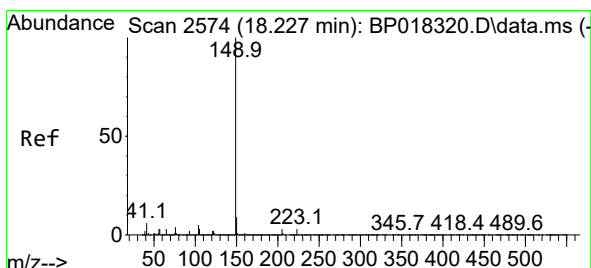
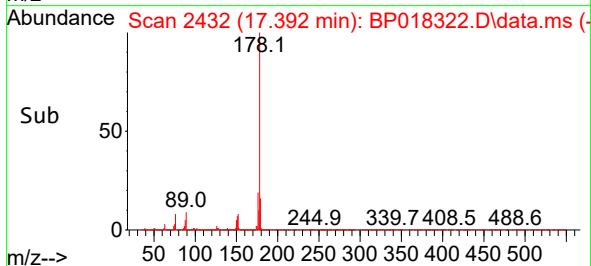
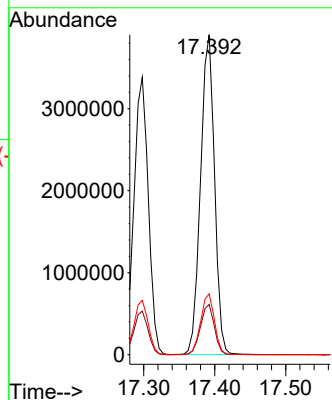
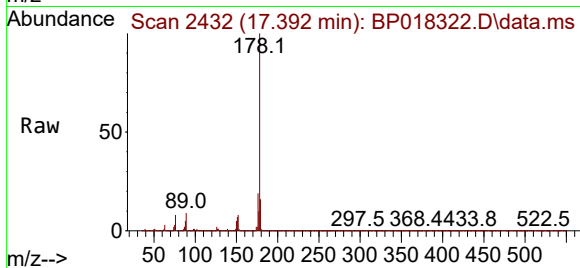
Tgt Ion:178 Resp: 5350776

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

176 19.0 15.2 22.8



#78

Di-n-butylphthalate

Concen: 52.537 ng/ul

RT: 18.227 min Scan# 2574

Delta R.T. -0.012 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

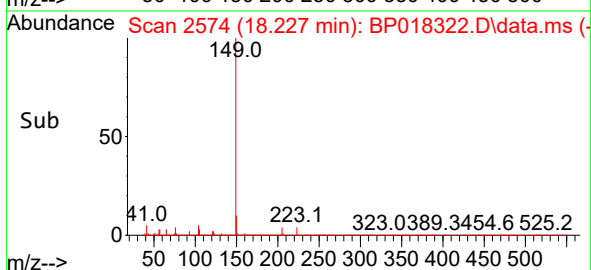
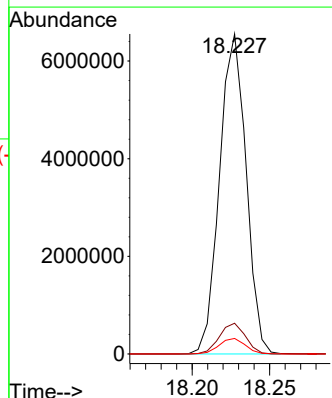
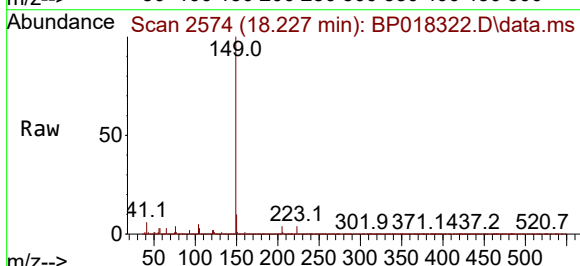
Tgt Ion:149 Resp: 7807365

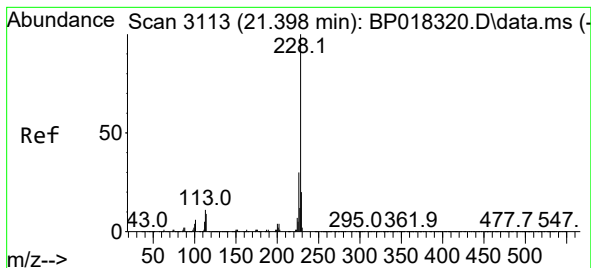
Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.2

104 4.9 3.8 5.6





#87

Chrysene

Concen: 37.641 ng/ul

RT: 21.392 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5

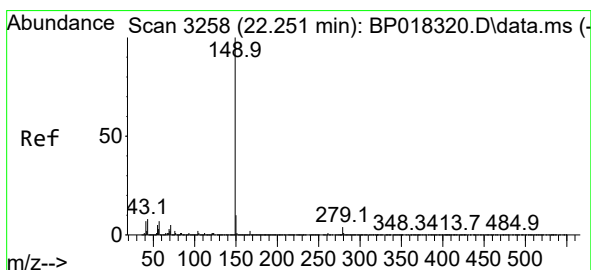
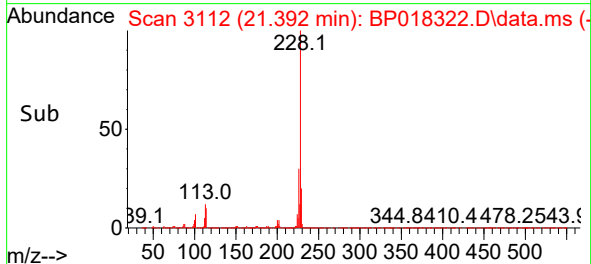
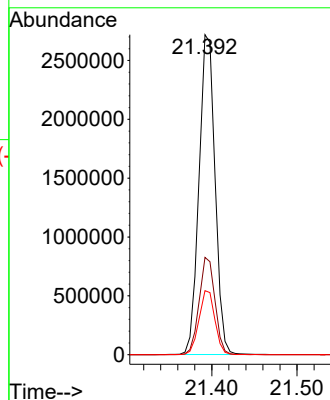
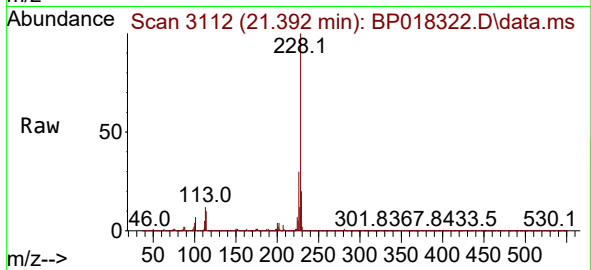
Tgt Ion:228 Resp: 3558947

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

229 20.0 16.1 24.1



#89

Di-n-octyl phthalate

Concen: 22.518 ng/ul

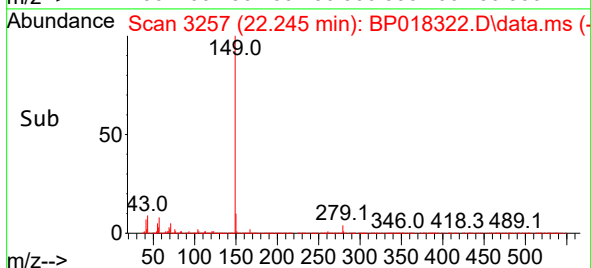
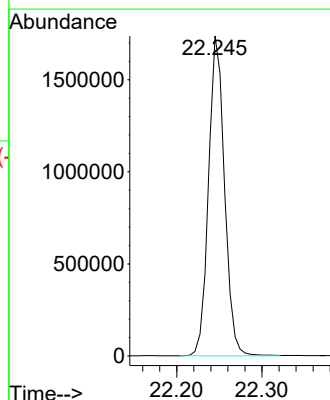
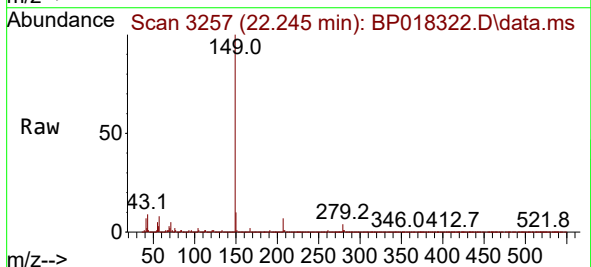
RT: 22.245 min Scan# 3257

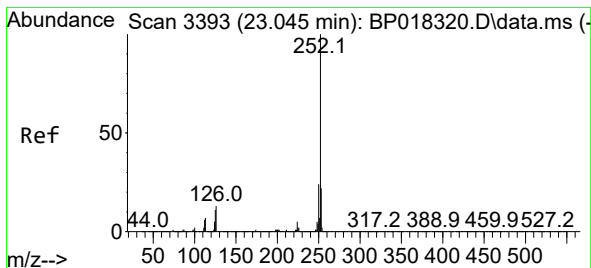
Delta R.T. -0.006 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Tgt Ion:149 Resp: 2258806





#90

Benzo(b)fluoranthene

Concen: 29.862 ng/ul

RT: 23.045 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5

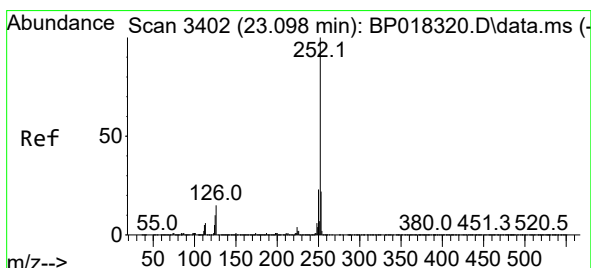
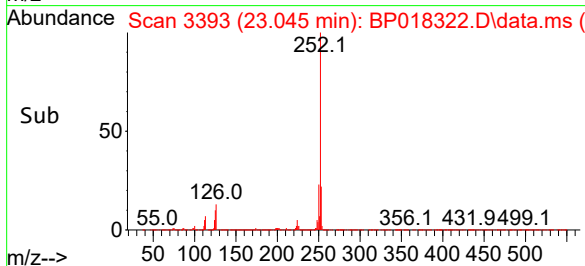
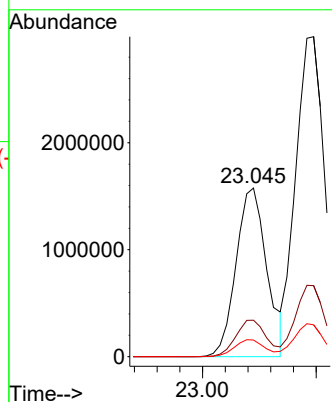
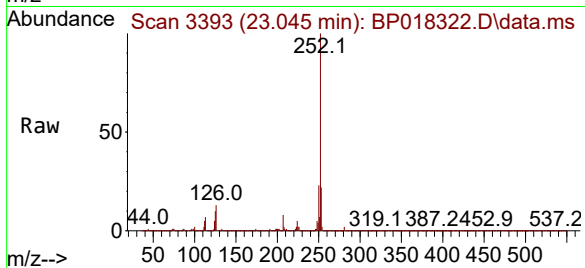
Tgt Ion:252 Resp: 2955300

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 9.9 8.4 12.6



#91

Benzo(k)fluoranthene

Concen: 54.148 ng/ul

RT: 23.098 min Scan# 3402

Delta R.T. -0.000 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

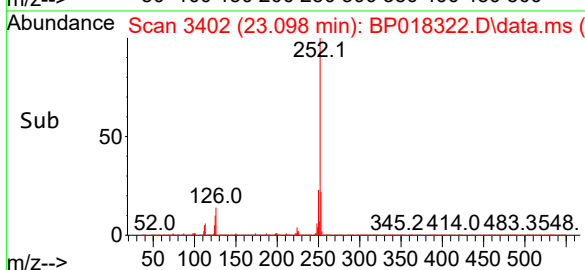
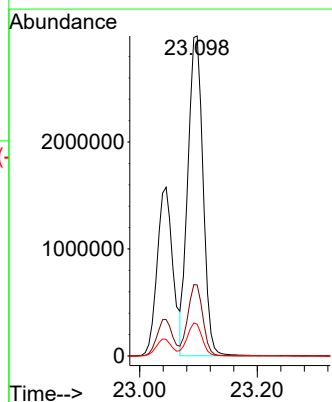
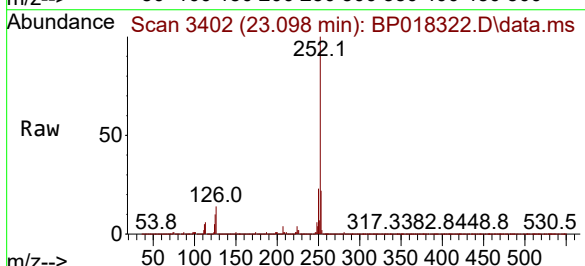
Tgt Ion:252 Resp: 5334676

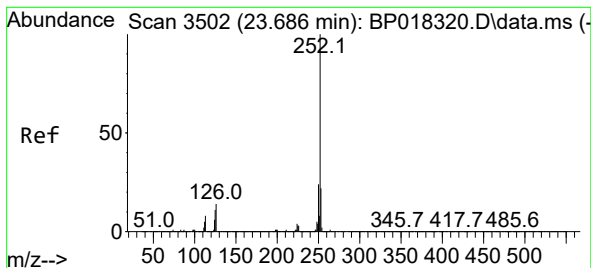
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 10.0 8.0 12.0





#93

Benzo(a)pyrene

Concen: 35.314 ng/ul

RT: 23.680 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5

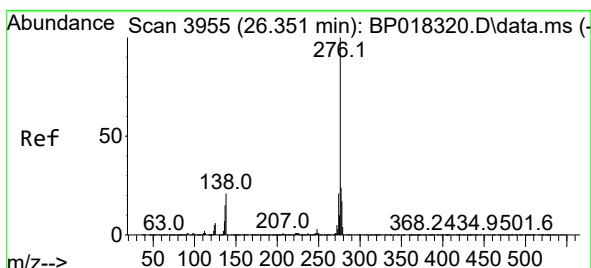
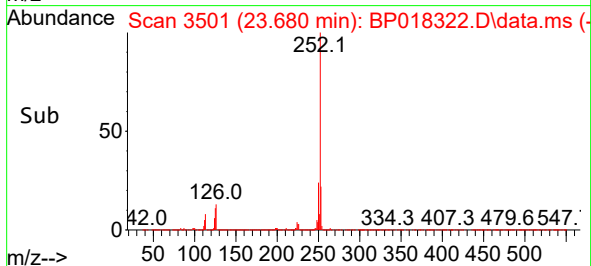
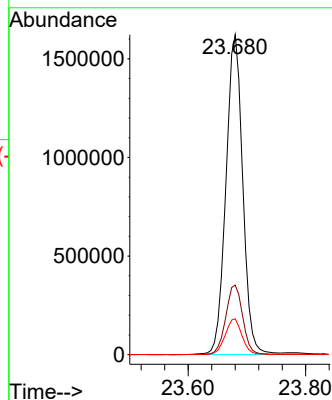
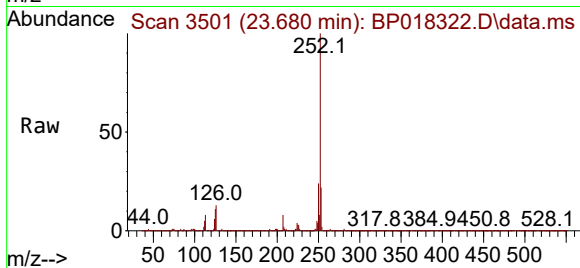
Tgt Ion:252 Resp: 3214082

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.2 8.8 13.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 55.246 ng/ul

RT: 26.356 min Scan# 3956

Delta R.T. 0.029 min

Lab File: BP018322.D

Acq: 24 Nov 2023 10:16

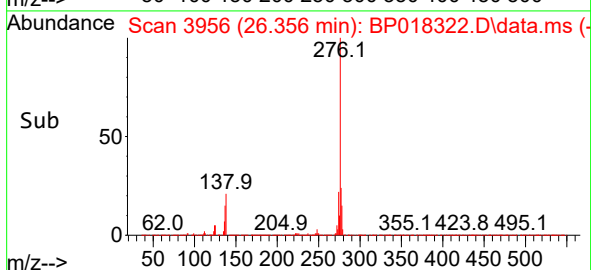
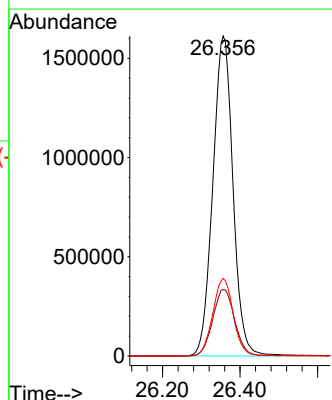
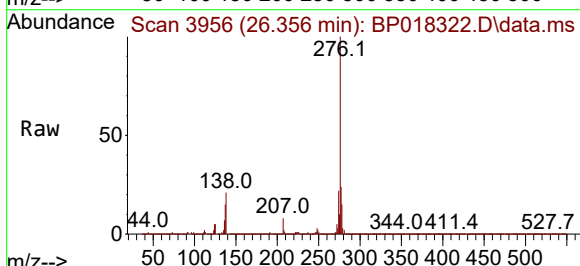
Tgt Ion:276 Resp: 5813934

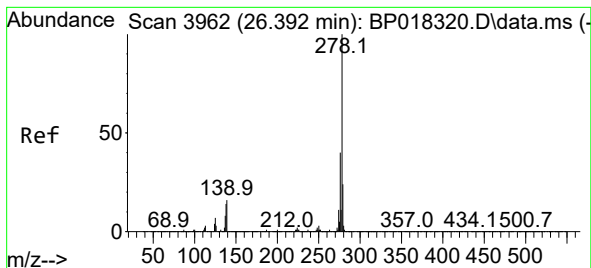
Ion Ratio Lower Upper

276 100

138 20.8 17.5 26.3

277 24.3 19.1 28.7





#95

Dibenzo(a,h)anthracene

Concen: 28.393 ng/ul

RT: 26.386 min Scan# 3961

Delta R.T. 0.017 min

Lab File: BP018322.D

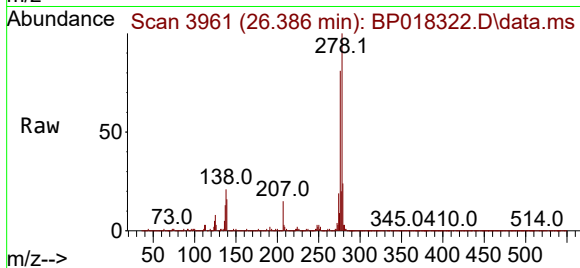
Acq: 24 Nov 2023 10:16

Instrument :

BNA_P

ClientSampleId :

DCKV5



Tgt Ion:278 Resp: 2446139

Ion Ratio Lower Upper

278 100

139 16.2 13.3 19.9

279 23.7 19.0 28.4

