

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080723\
 Data File : BP016512.D
 Acq On : 07 Aug 2023 11:35
 Operator : MA/JU
 Sample : 03805-03DL 4X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 X3H47DL

Quant Time: Aug 07 19:03:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP080423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 04 15:15:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.069	152	436944	20.000	ng/ul	0.00
20) Naphthalene-d8	10.899	136	1694928	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	906413	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.481	188	1856331	20.000	ng/ul	0.00
79) Chrysene-d12	21.580	240	1624438	20.000	ng/ul	0.00
88) Perylene-d12	24.169	264	1824942	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	20970	1.741	ng/uL	0.00
4) Pyridine-d5	3.840	84	258171	8.247	ng/ul	0.00
7) Phenol-d5	7.199	99	323140	9.456	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	200525	9.526	ng/ul	0.00
11) 2-Chlorophenol-d4	7.587	132	242540	8.788	ng/ul	0.00
15) 4-Methylphenol-d8	8.763	113	223621	8.487	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	108981	8.888	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	95081	8.312	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.505	165	200460	8.612	ng/ul	0.00
31) 4-Chloroaniline-d4	11.052	131	293642	8.558	ng/ul	0.00
46) Dimethylphthalate-d6	14.122	166	603840	9.634	ng/ul	0.00
49) Acenaphthylene-d8	14.416	160	697949	9.247	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	68625	5.815	ng/ul	0.00
60) Fluorene-d10	15.710	176	544968	10.126	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.828	200	36929	4.518	ng/ul	0.00
73) Anthracene-d10	17.581	188	786210	9.810	ng/ul	0.00
81) Pyrene-d10	19.810	212	914399	10.266	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.998	264	862087	9.865	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.499	93	599954	20.270	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.881	70	146882	7.644	ng/ul	99
19) Hexachloroethane	9.146	117	183815	15.066	ng/ul	98
22) Nitrobenzene	9.305	77	525979	17.020	ng/ul	99
23) Isophorone	9.816	82	2114492	39.376	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.310	93	1436176	39.384	ng/ul	99
30) Naphthalene	10.952	128	2589550	29.485	ng/ul	99
32) 4-Chloroaniline	10.952	127	335839	9.941	ng/ul#	11
33) Hexachlorobutadiene	11.187	225	584538	36.582	ng/ul	98
36) 2-Methylnaphthalene	12.546	142	896167	16.128	ng/ul	99
40) Hexachlorocyclopentadiene	12.852	237	326079	19.308	ng/ul	99
44) 2-Chloronaphthalene	13.599	162	1291587	23.170	ng/ul	99
47) Dimethylphthalate	14.175	163	783759	12.350	ng/ul	100
48) 2,6-Dinitrotoluene	14.310	165	42260	3.786	ng/ul	94
50) Acenaphthylene	14.446	152	861512	9.825	ng/ul	99
59) Diethylphthalate	15.528	149	833875	13.693	ng/ul	99
61) Fluorene	15.763	166	649147	10.508	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.757	204	1336433	43.950	ng/ul	98
68) 4-Bromophenyl-phenylether	16.663	248	412927	22.672	ng/ul	98
69) Hexachlorobenzene	16.740	284	439390	20.578	ng/ul	96
72) Phenanthrene	17.522	178	988889	10.216	ng/ul	98
74) Anthracene	17.616	178	1165618	11.982	ng/ul	99
78) Di-n-butylphthalate	18.410	149	1515442	15.502	ng/ul	100
85) Benzo(a)anthracene	21.616	228	1064680	9.886	ng/ul	97

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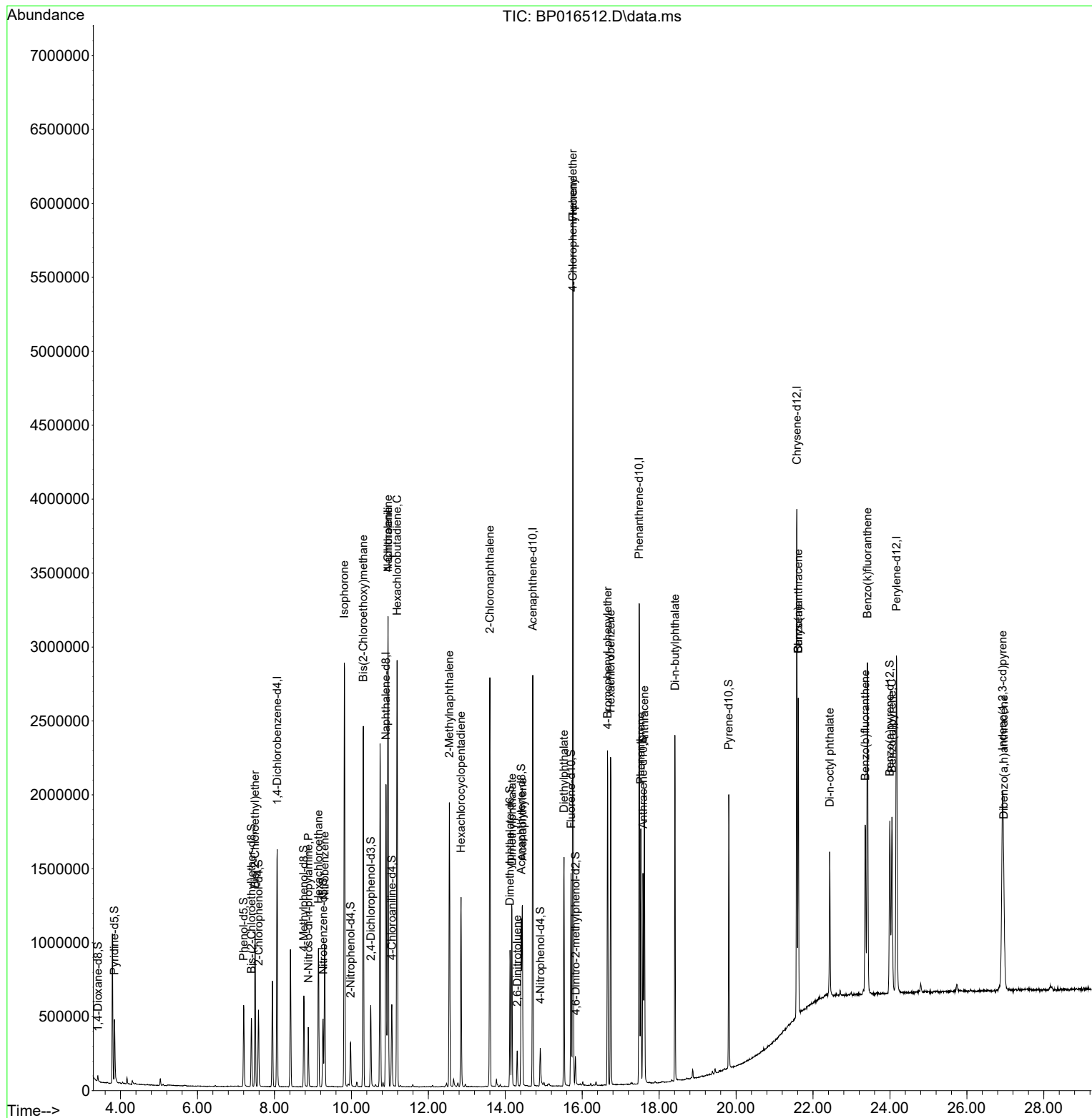
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Chrysene	21.616	228	1064680	10.489	ng/ul	99
89) Di-n-octyl phthalate	22.433	149	623777	6.138	ng/ul	100
90) Benzo(b)fluoranthene	23.357	252	885723	8.224	ng/ul	99
91) Benzo(k)fluoranthene	23.416	252	1659347	15.312	ng/ul	99
93) Benzo(a)pyrene	24.051	252	983087	9.625	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.927	276	1610252	12.764	ng/ul	99
95) Dibenzo(a,h)anthracene	26.957	278	675590	6.415	ng/ul	99

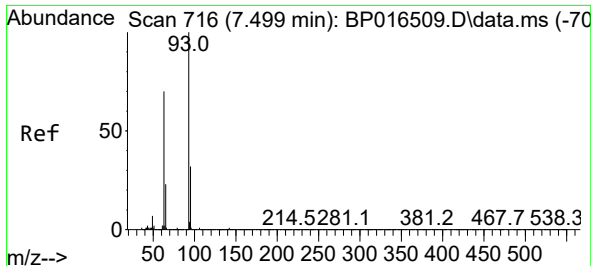
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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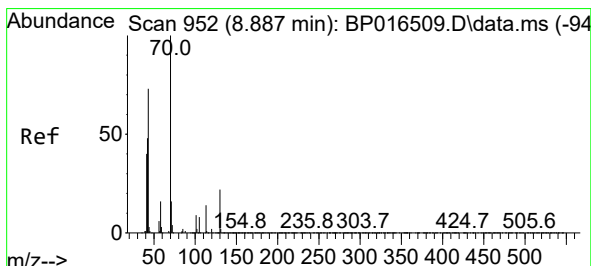
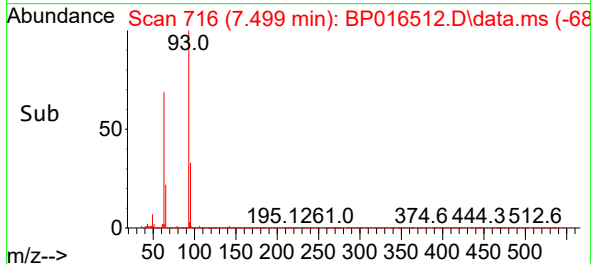
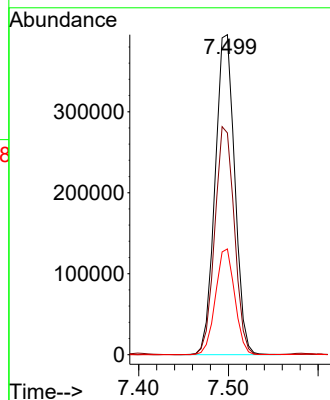
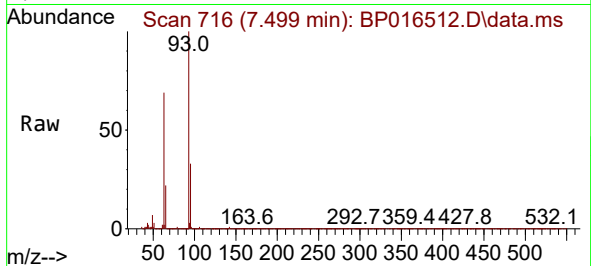




#10
Bis(2-Chloroethyl)ether
Concen: 20.270 ng/ul
RT: 7.499 min Scan# 716
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

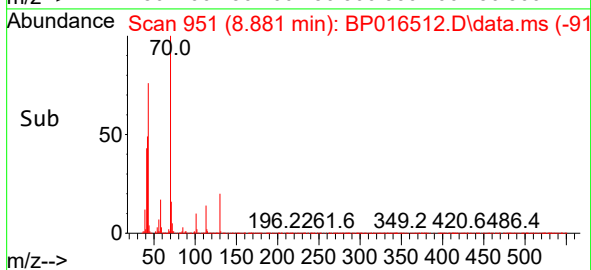
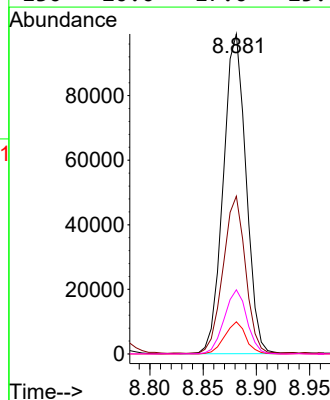
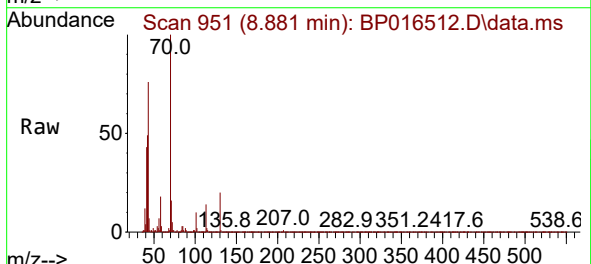
Instrument :
BNA_P
ClientSampleId :
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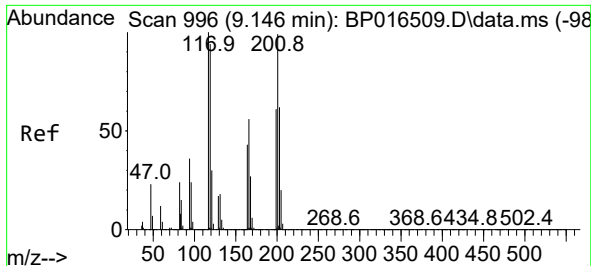
Tgt Ion: 93 Resp: 599954
Ion Ratio Lower Upper
93 100
63 69.3 57.0 85.4
95 33.1 26.2 39.2



#17
N-Nitroso-di-n-propylamine
Concen: 7.644 ng/ul
RT: 8.881 min Scan# 951
Delta R.T. -0.006 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion: 70 Resp: 146882
Ion Ratio Lower Upper
70 100
42 49.3 39.9 59.9
101 10.0 7.5 11.3
130 20.0 17.0 25.4





#19

Hexachloroethane

Concen: 15.066 ng/ul

RT: 9.146 min Scan# 996

Delta R.T. 0.000 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

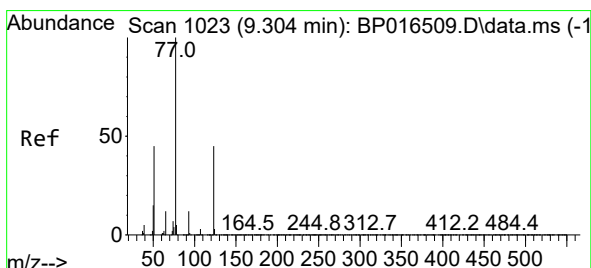
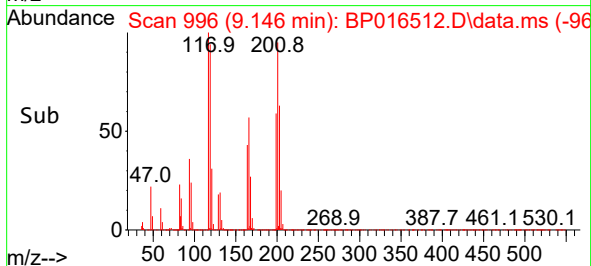
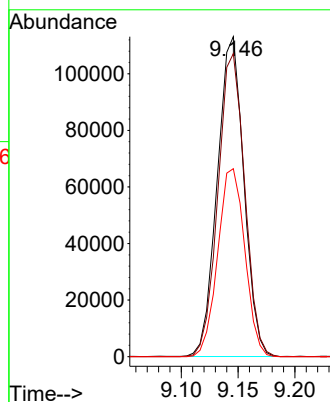
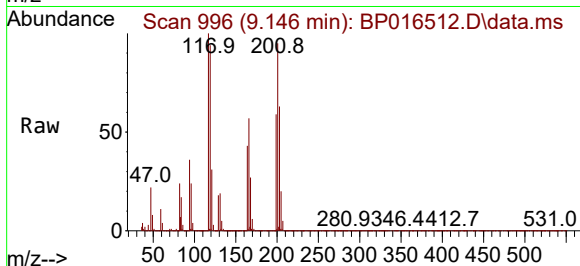
Tgt Ion:117 Resp: 183815

Ion Ratio Lower Upper

117 100

201 94.7 77.6 116.4

199 58.7 48.2 72.2



#22

Nitrobenzene

Concen: 17.020 ng/ul

RT: 9.305 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

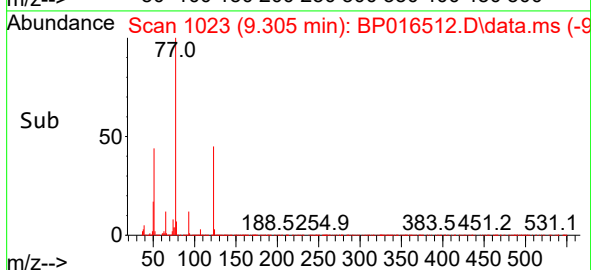
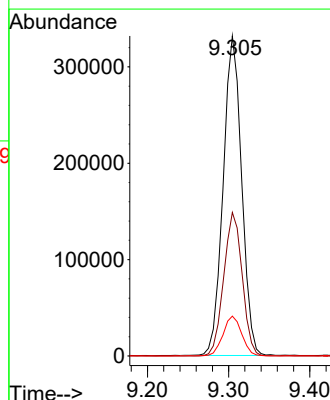
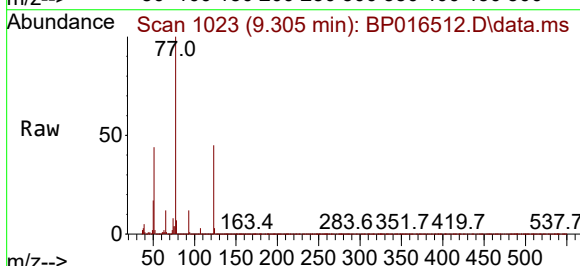
Tgt Ion: 77 Resp: 525979

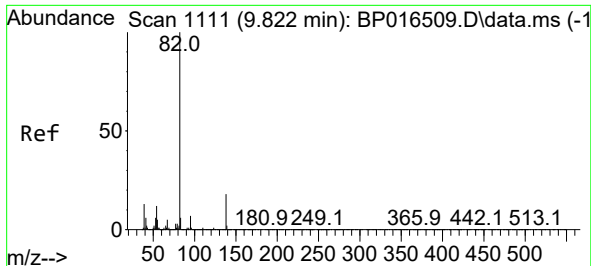
Ion Ratio Lower Upper

77 100

123 44.9 35.3 52.9

65 12.4 10.2 15.4

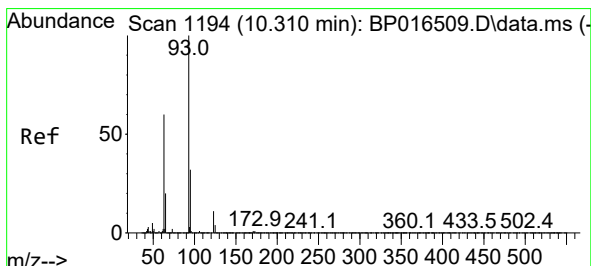
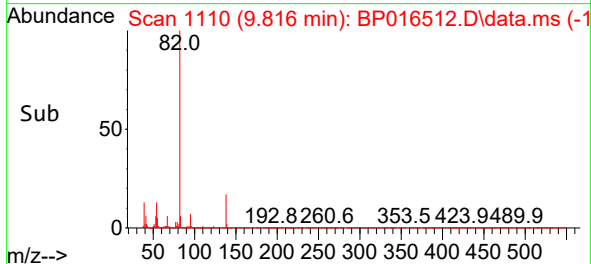
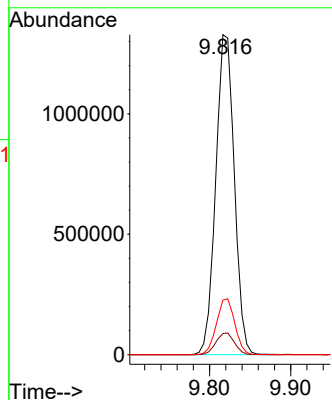
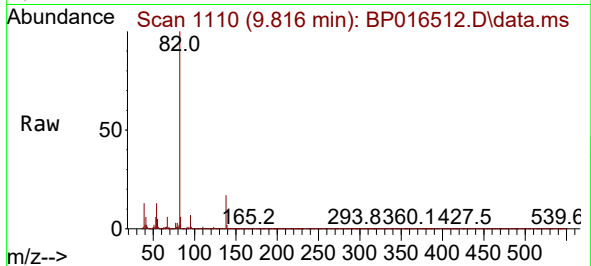




#23
Isophorone
Concen: 39.376 ng/ul
RT: 9.816 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

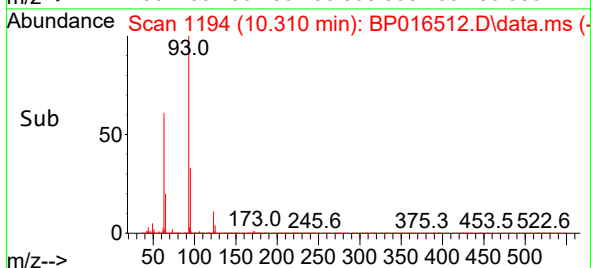
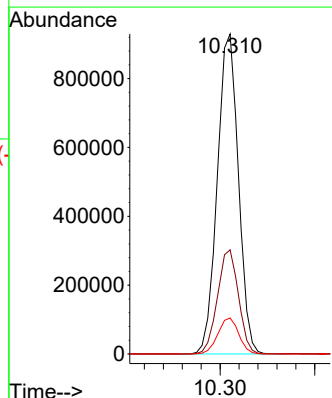
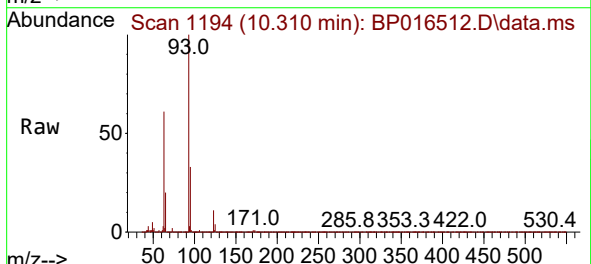
Instrument :
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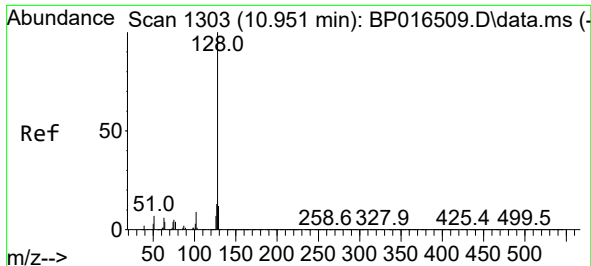
Tgt Ion: 82 Resp: 2114492
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 17.1 13.5 20.3



#27
Bis(2-Chloroethoxy)methane
Concen: 39.384 ng/ul
RT: 10.310 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion: 93 Resp: 1436176
Ion Ratio Lower Upper
93 100
95 32.6 26.5 39.7
123 11.2 8.8 13.2

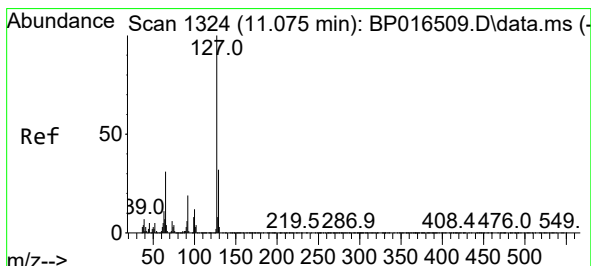
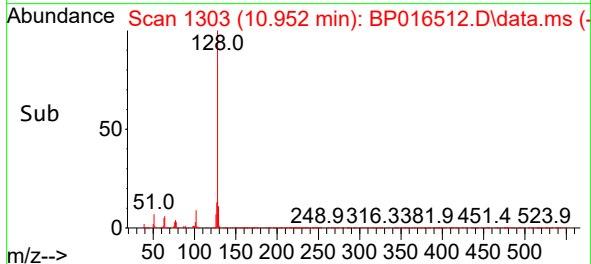
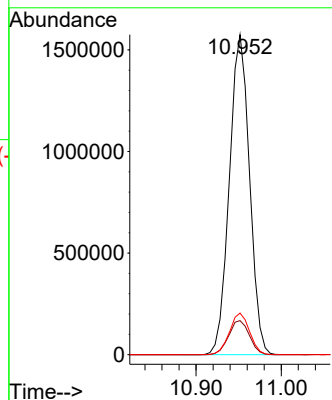
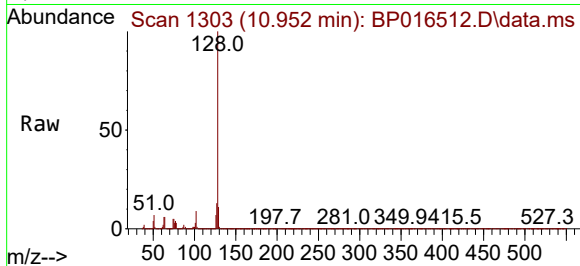




#30
Naphthalene
Concen: 29.485 ng/ul
RT: 10.952 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

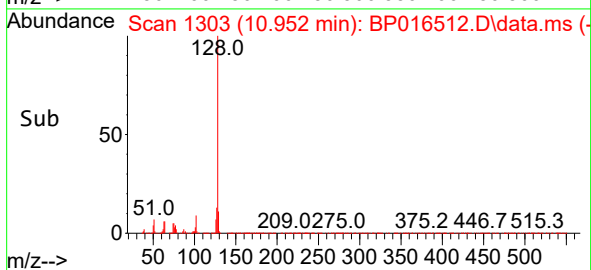
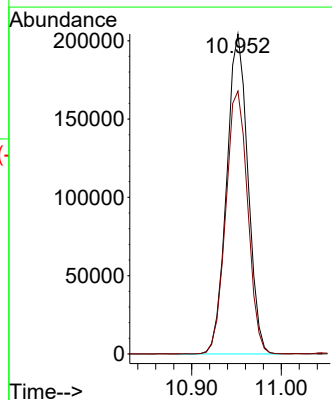
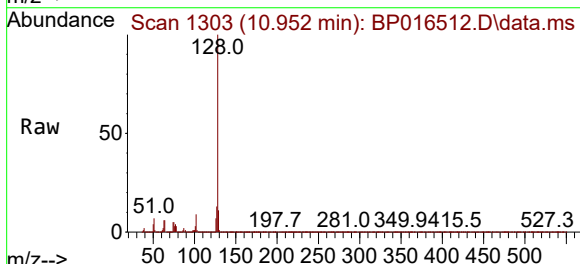
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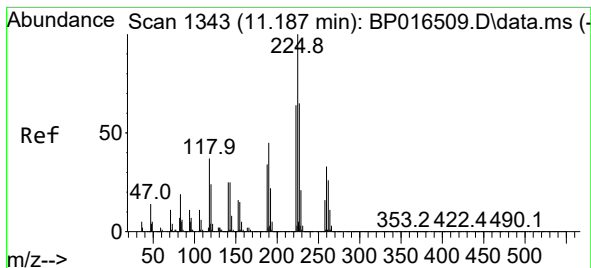
Tgt Ion:128 Resp: 2589550
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.0 10.3 15.5



#32
4-Chloroaniline
Concen: 9.941 ng/ul
RT: 10.952 min Scan# 1303
Delta R.T. -0.123 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion:127 Resp: 335839
Ion Ratio Lower Upper
127 100
129 82.1 25.8 38.6#





#33

Hexachlorobutadiene

Concen: 36.582 ng/ul

RT: 11.187 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

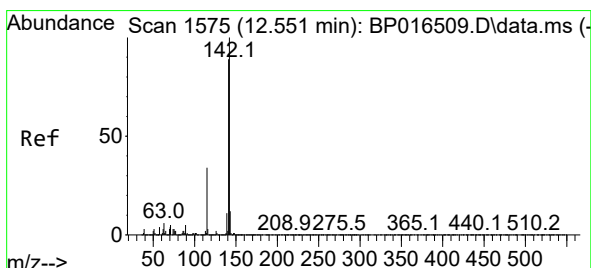
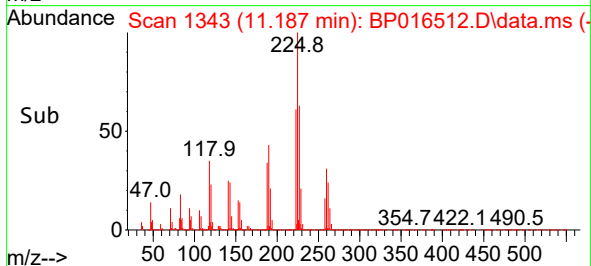
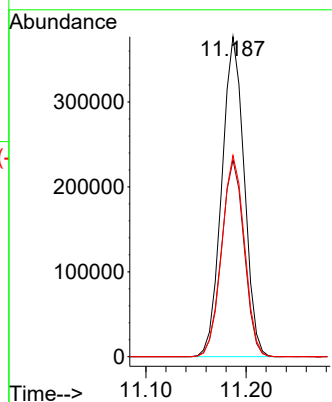
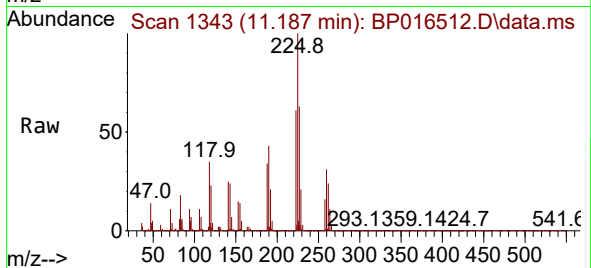
Tgt Ion:225 Resp: 584538

Ion Ratio Lower Upper

225 100

223 61.4 51.4 77.2

227 62.9 50.4 75.6



#36

2-Methylnaphthalene

Concen: 16.128 ng/ul

RT: 12.546 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BP016512.D

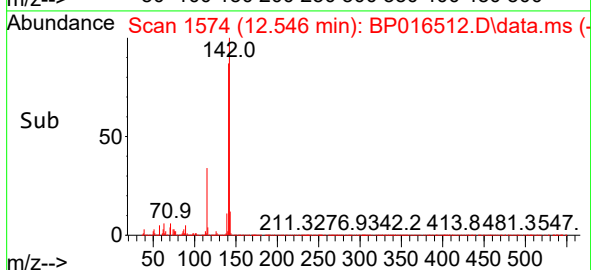
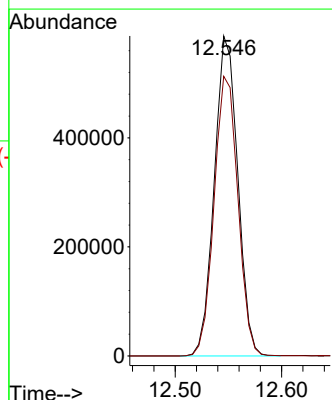
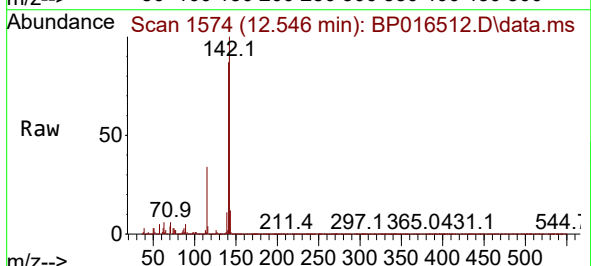
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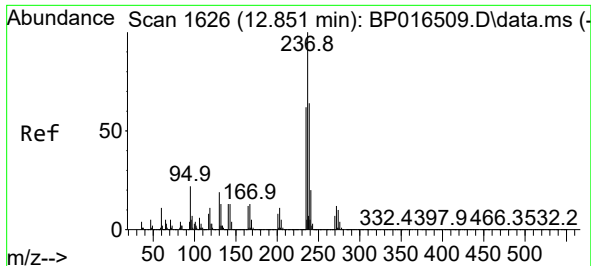
Tgt Ion:142 Resp: 896167

Ion Ratio Lower Upper

142 100

141 87.4 70.9 106.3

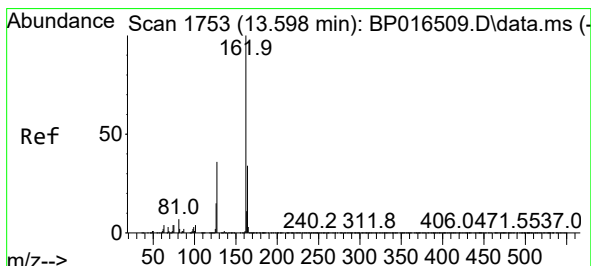
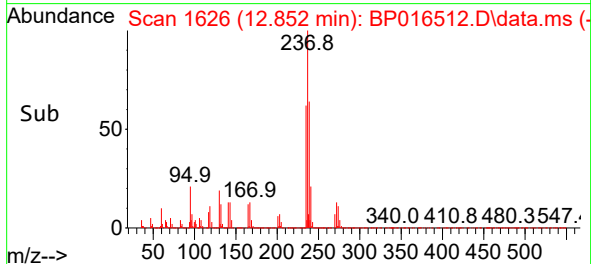
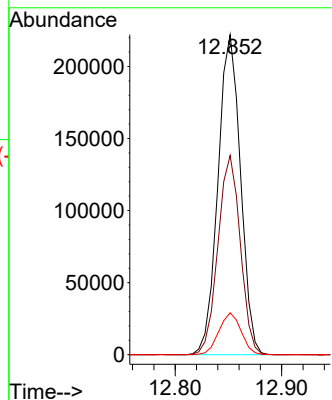
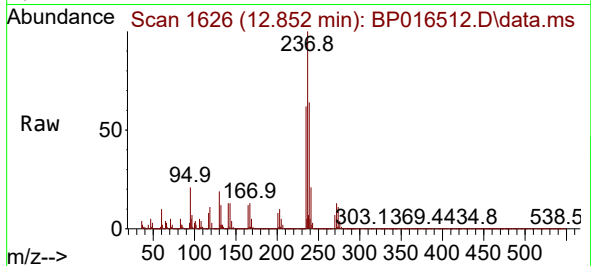




#40
Hexachlorocyclopentadiene
Concen: 19.308 ng/ul
RT: 12.852 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BP016512.D
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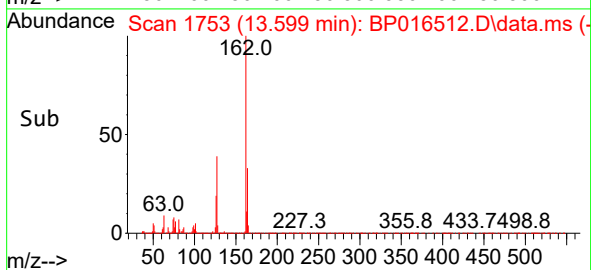
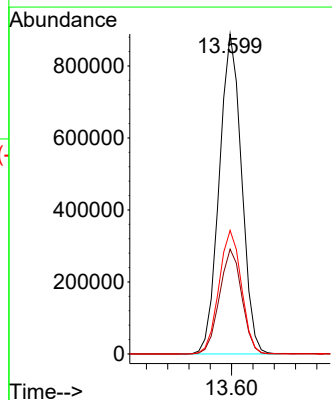
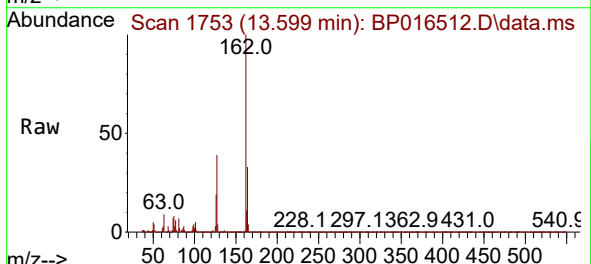
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ClientSampleId :
X3H47DL

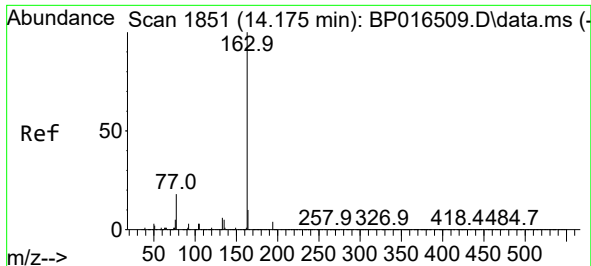
Tgt Ion:237 Resp: 326079
Ion Ratio Lower Upper
237 100
235 62.3 50.3 75.5
272 13.1 10.2 15.4



#44
2-Chloronaphthalene
Concen: 23.170 ng/ul
RT: 13.599 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion:162 Resp: 1291587
Ion Ratio Lower Upper
162 100
164 32.8 26.6 39.8
127 38.6 31.1 46.7

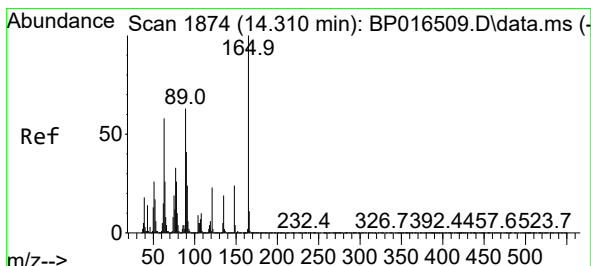
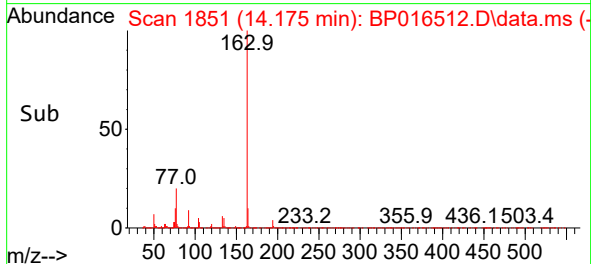
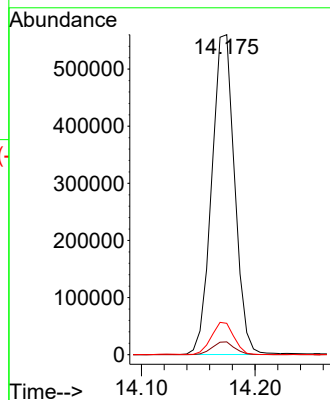
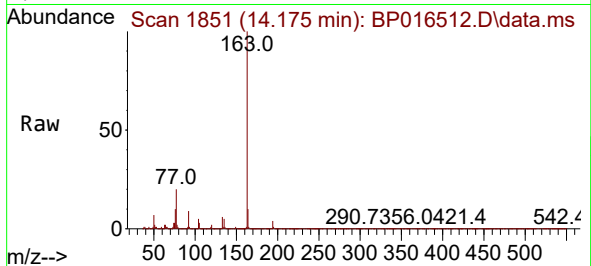




#47
Dimethylphthalate
Concen: 12.350 ng/ul
RT: 14.175 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

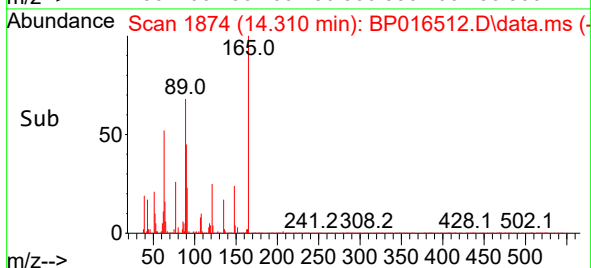
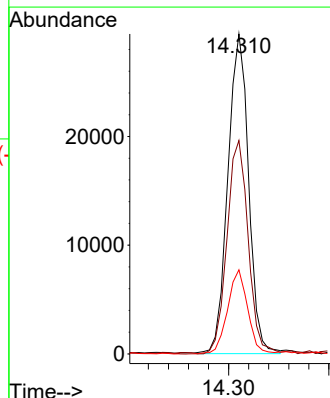
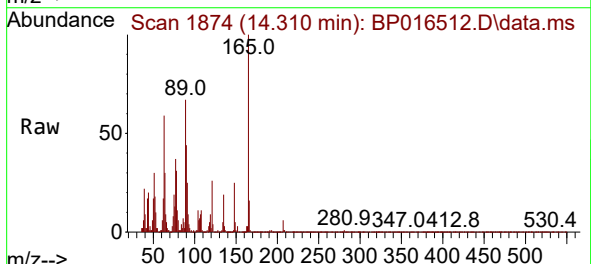
Instrument :
BNA_P
ClientSampleId :
X3H47DL

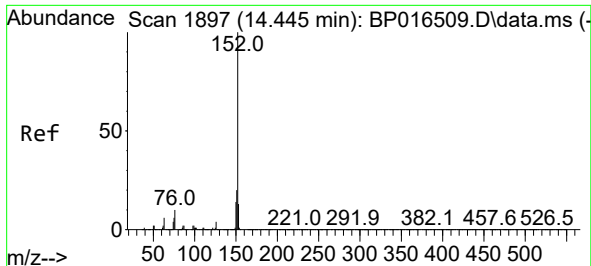
Tgt Ion:163 Resp: 783759
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 3.786 ng/ul
RT: 14.310 min Scan# 1874
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion:165 Resp: 42260
Ion Ratio Lower Upper
165 100
89 66.7 50.1 75.1
121 26.3 17.9 26.9

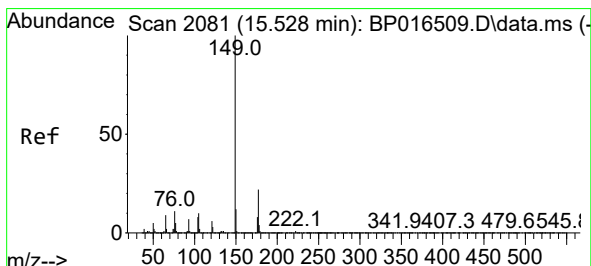
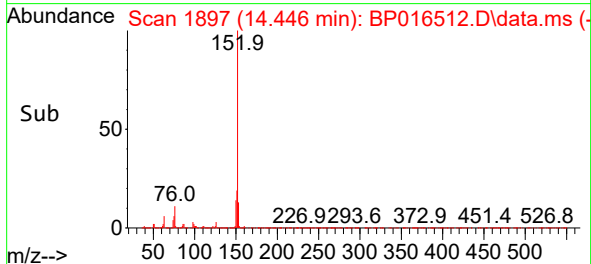
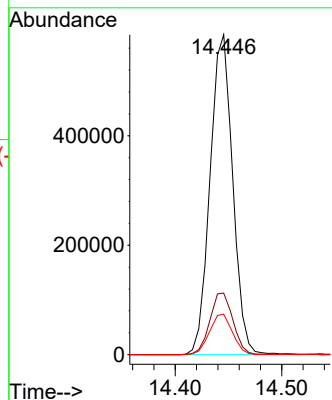
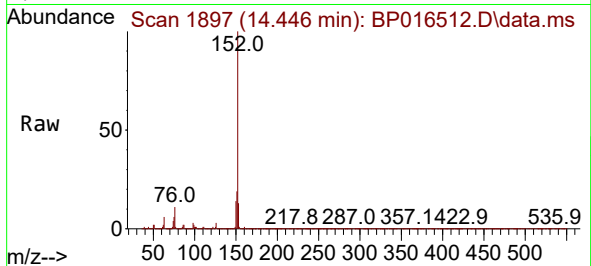




#50
Acenaphthylene
Concen: 9.825 ng/ul
RT: 14.446 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

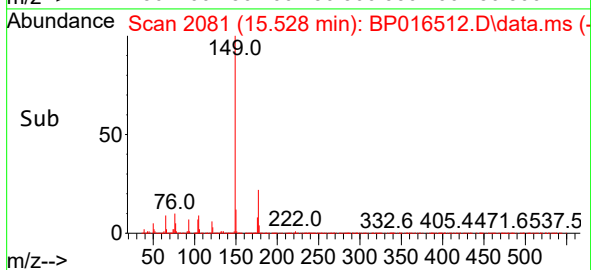
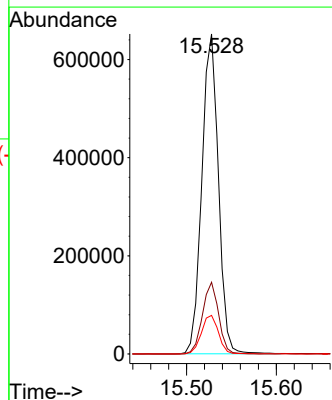
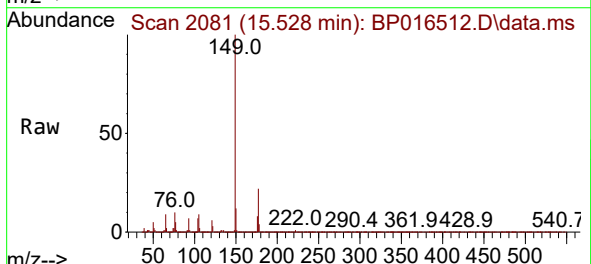
Instrument :
BNA_P
ClientSampleId :
X3H47DL

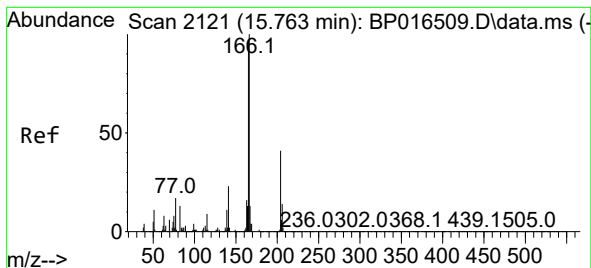
Tgt Ion:152 Resp: 861512
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.8
153 12.7 10.7 16.1



#59
Diethylphthalate
Concen: 13.693 ng/ul
RT: 15.528 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion:149 Resp: 833875
Ion Ratio Lower Upper
149 100
177 22.4 17.7 26.5
150 12.0 10.0 15.0





#61

Fluorene

Concen: 10.508 ng/ul

RT: 15.763 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

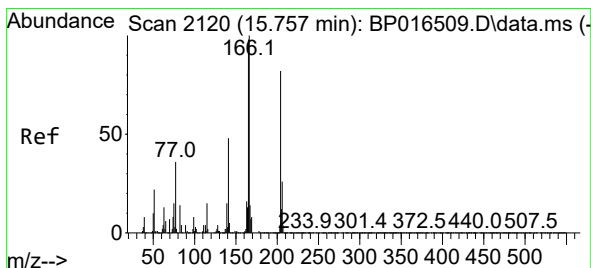
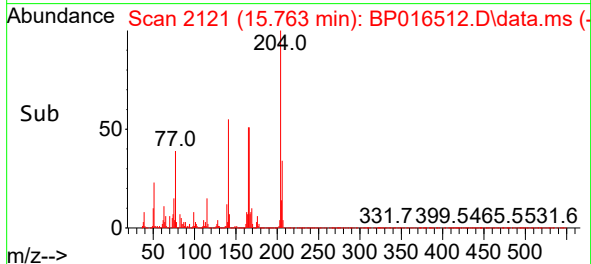
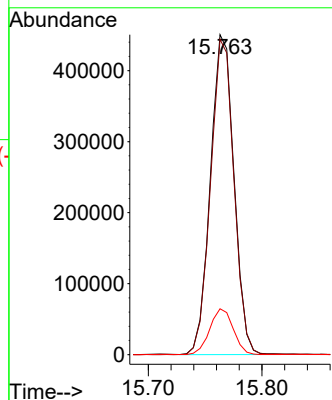
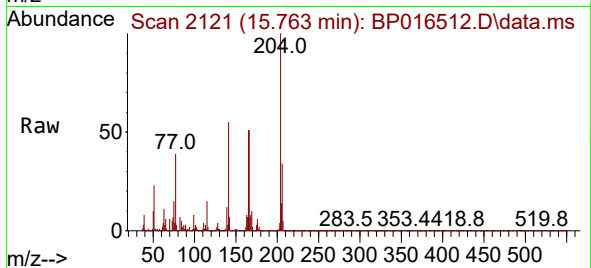
Tgt Ion:166 Resp: 649147

Ion Ratio Lower Upper

166 100

165 98.6 78.5 117.7

167 14.3 10.4 15.6



#62

4-Chlorophenyl-phenylether

Concen: 43.950 ng/ul

RT: 15.757 min Scan# 2120

Delta R.T. 0.000 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

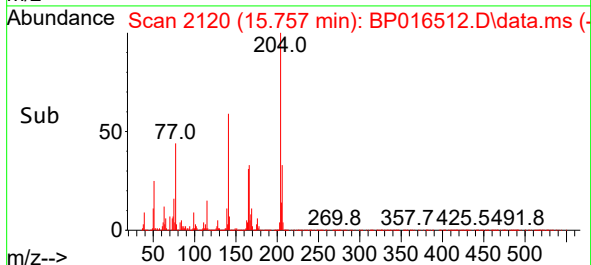
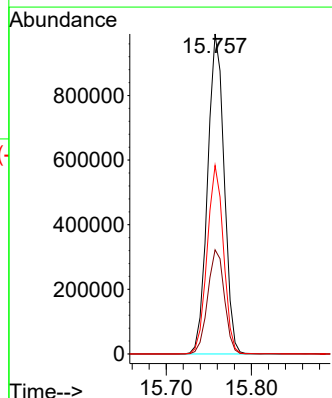
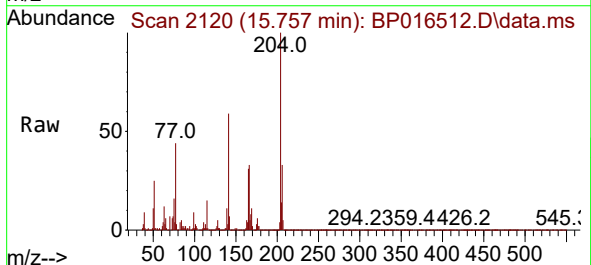
Tgt Ion:204 Resp: 1336433

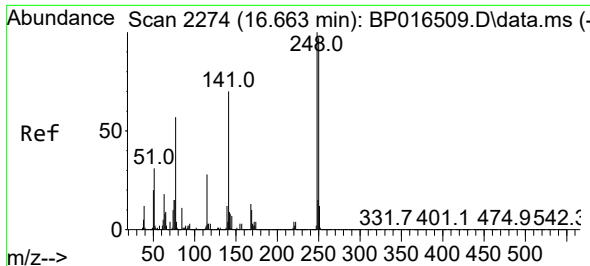
Ion Ratio Lower Upper

204 100

206 32.6 26.1 39.1

141 58.9 48.6 72.8

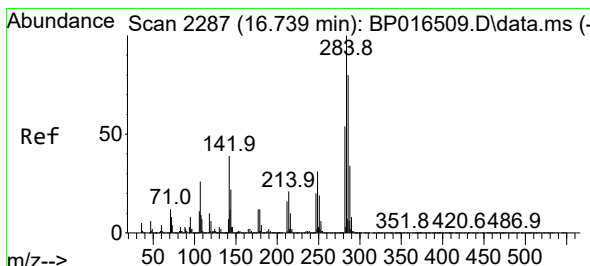
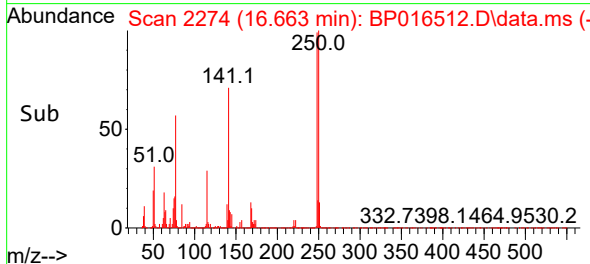
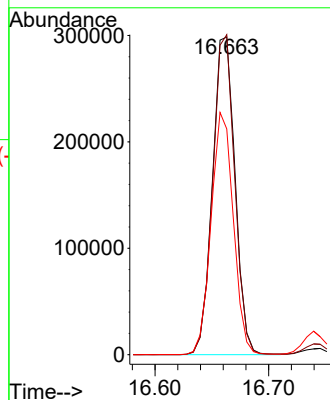
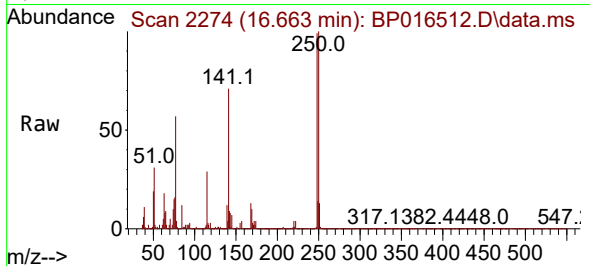




#68
4-Bromophenyl-phenylether
Concen: 22.672 ng/ul
RT: 16.663 min Scan# 211
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

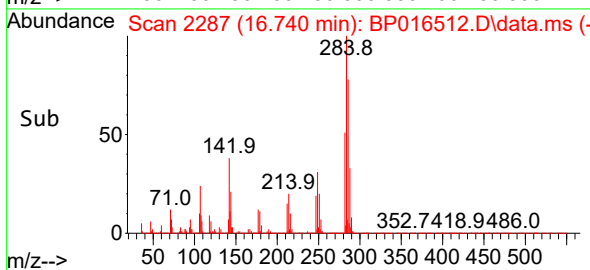
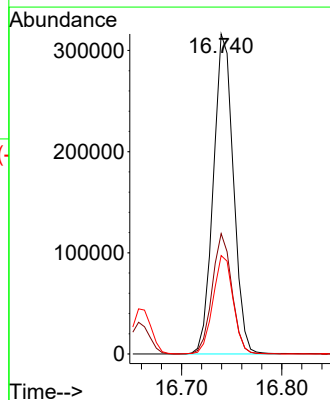
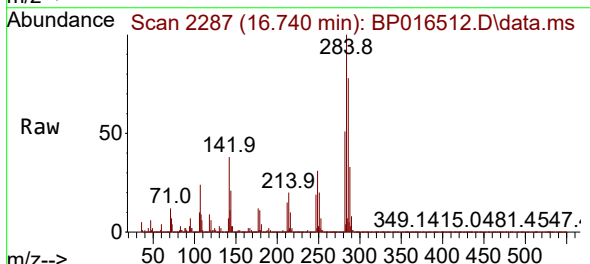
Instrument :
BNA_P
ClientSampleId :
X3H47DL

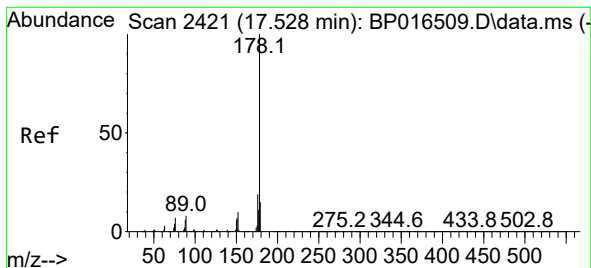
Tgt Ion:248 Resp: 412927
Ion Ratio Lower Upper
248 100
250 100.8 78.1 117.1
141 71.1 57.5 86.3



#69
Hexachlorobenzene
Concen: 20.578 ng/ul
RT: 16.740 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion:284 Resp: 439390
Ion Ratio Lower Upper
284 100
142 37.6 26.9 40.3
249 30.7 24.2 36.4





#72

Phenanthrene

Concen: 10.216 ng/ul

RT: 17.522 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

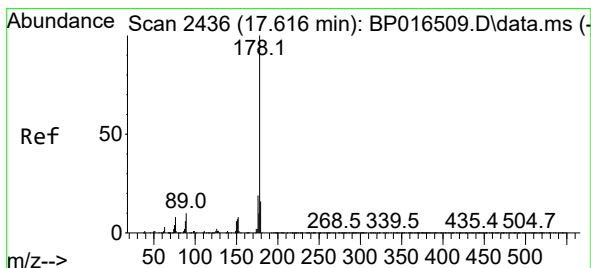
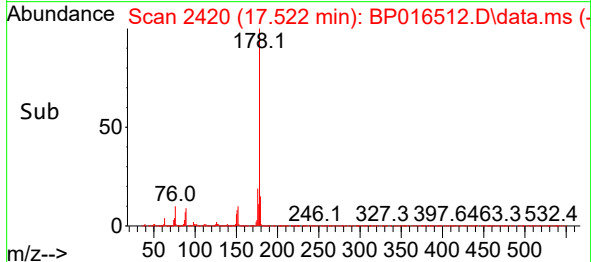
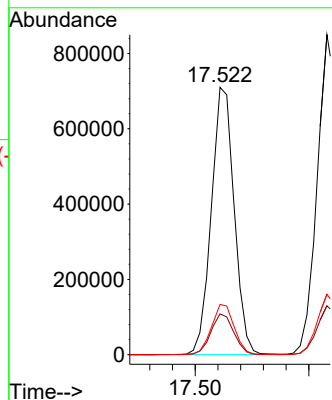
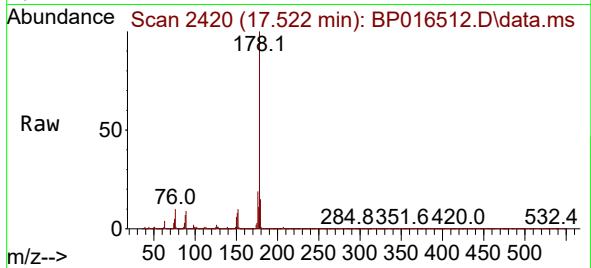
Tgt Ion:178 Resp: 988889

Ion Ratio Lower Upper

178 100

179 15.2 12.7 19.1

176 18.8 15.6 23.4



#74

Anthracene

Concen: 11.982 ng/ul

RT: 17.616 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

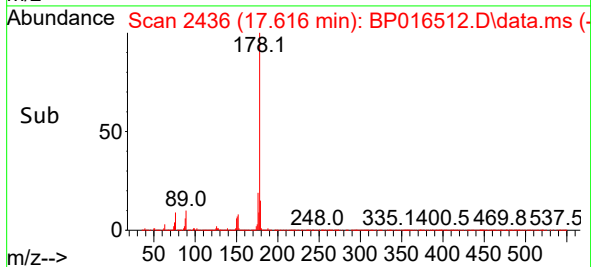
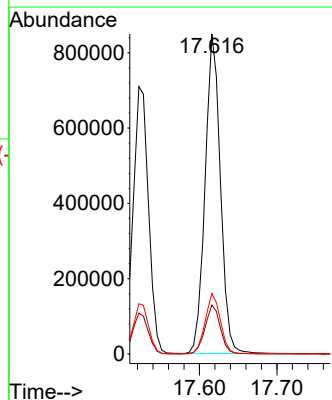
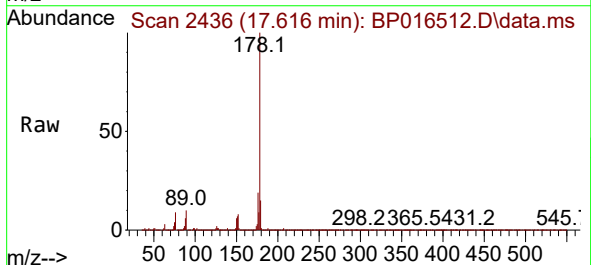
Tgt Ion:178 Resp: 1165618

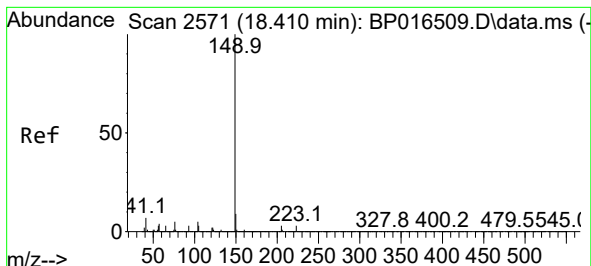
Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 18.9 14.7 22.1





#78

Di-n-butylphthalate

Concen: 15.502 ng/ul

RT: 18.410 min Scan# 2116

Delta R.T. 0.000 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

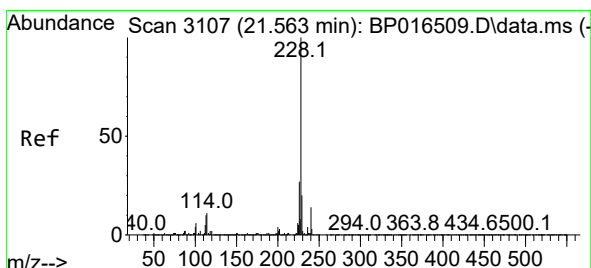
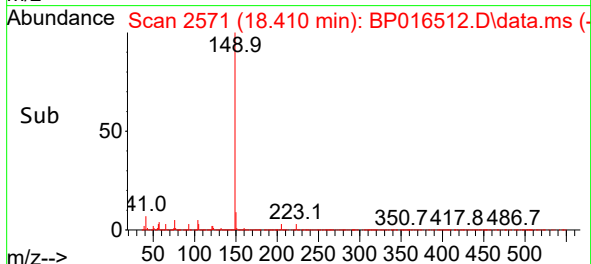
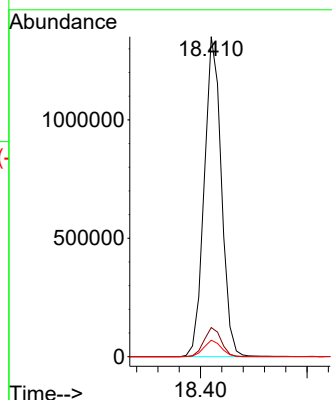
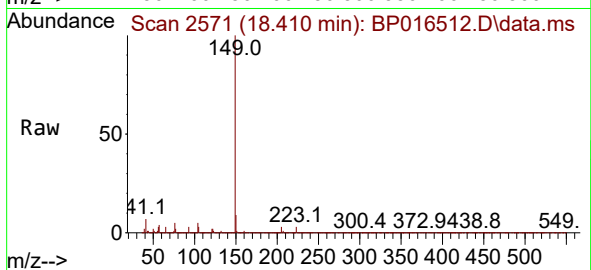
Tgt Ion:149 Resp: 1515442

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.2 4.2 6.4



#85

Benzo(a)anthracene

Concen: 9.886 ng/ul

RT: 21.616 min Scan# 3116

Delta R.T. 0.053 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

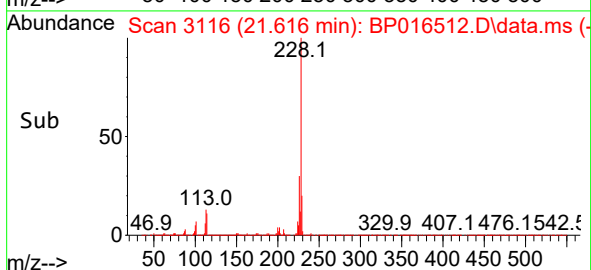
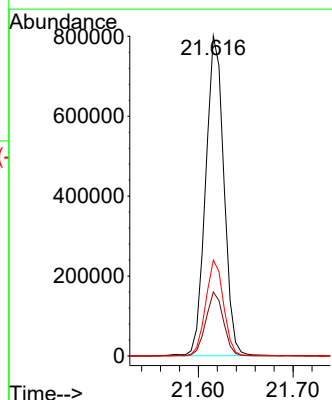
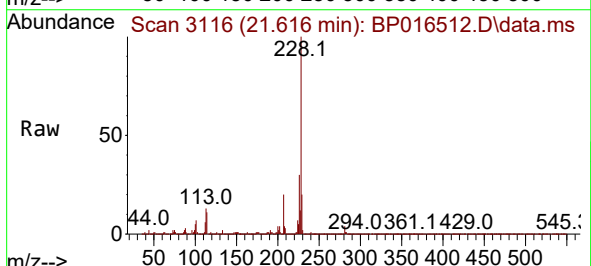
Tgt Ion:228 Resp: 1064680

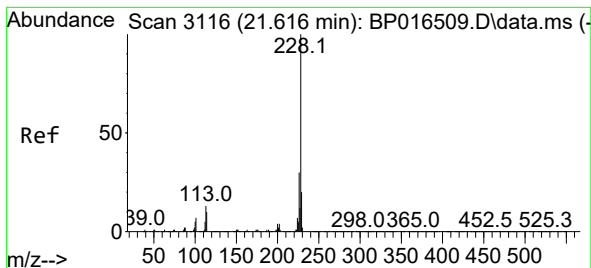
Ion Ratio Lower Upper

228 100

229 20.0 15.7 23.5

226 29.9 21.8 32.8





#87

Chrysene

Concen: 10.489 ng/ul

RT: 21.616 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

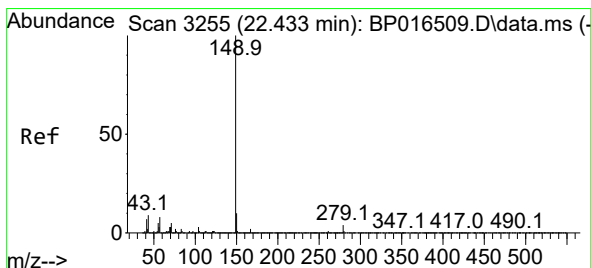
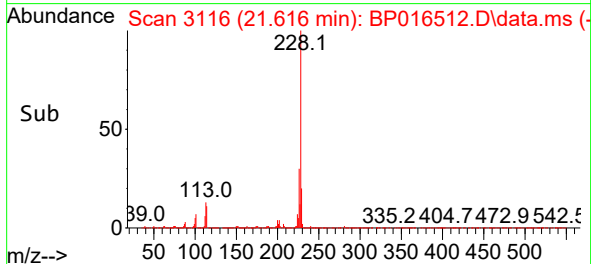
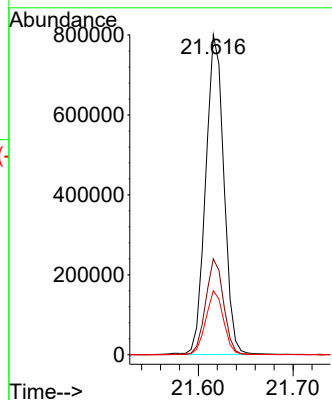
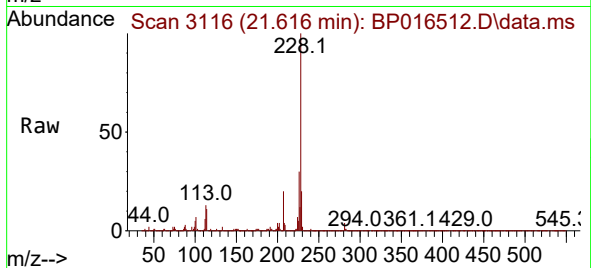
Tgt Ion:228 Resp: 1064680

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.0 15.4 23.2



#89

Di-n-octyl phthalate

Concen: 6.138 ng/ul

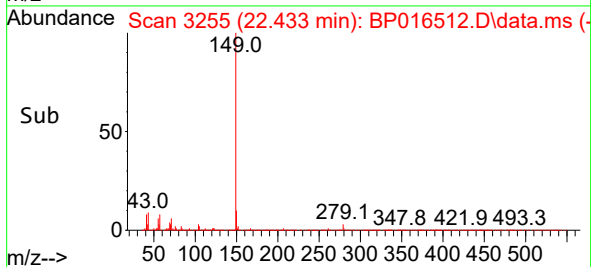
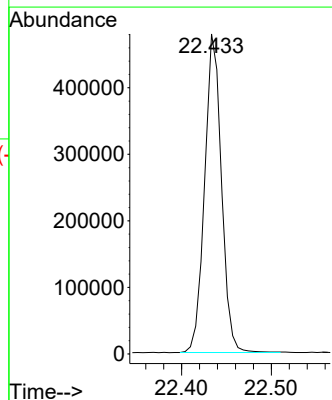
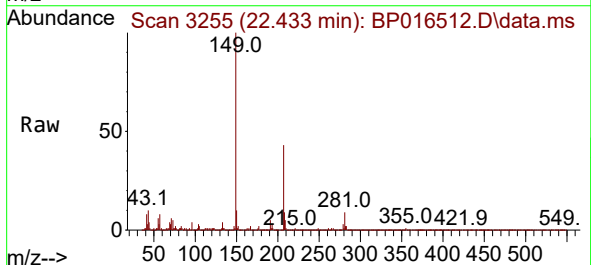
RT: 22.433 min Scan# 3255

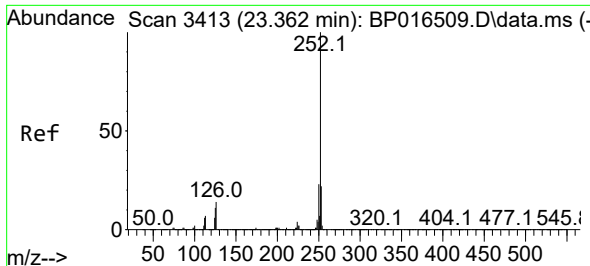
Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Tgt Ion:149 Resp: 623777

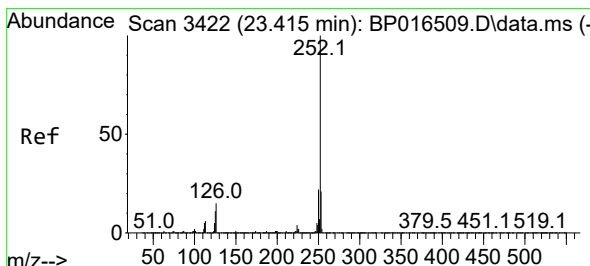
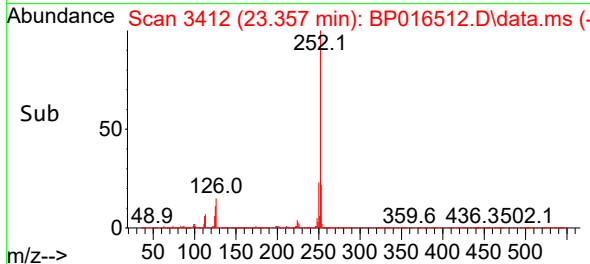
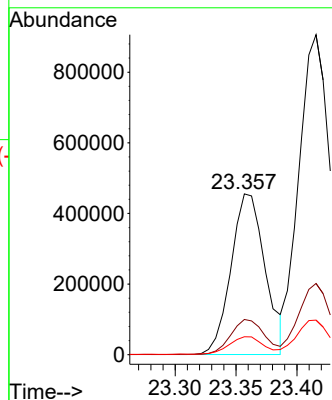
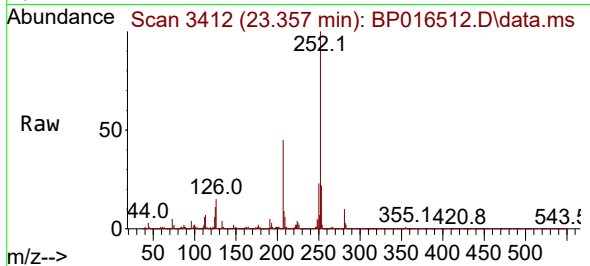




#90
Benzo(b)fluoranthene
Concen: 8.224 ng/ul
RT: 23.357 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

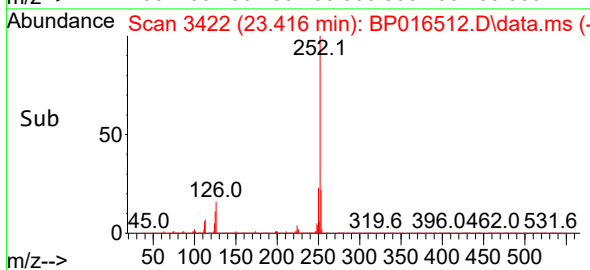
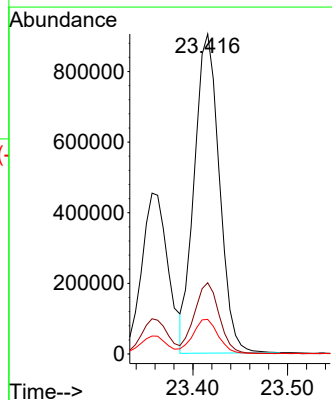
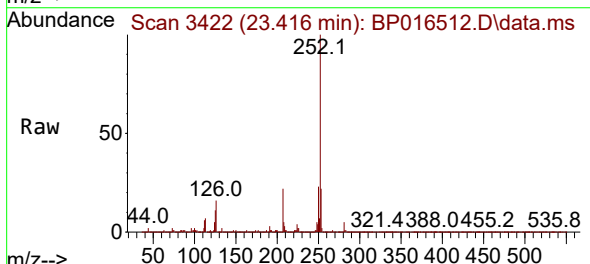
Instrument :
BNA_P
ClientSampleId :
X3H47DL

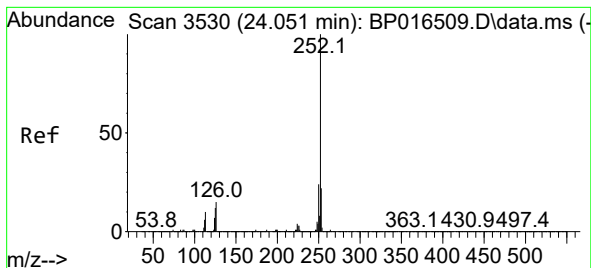
Tgt Ion:252 Resp: 885723
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 11.2 8.7 13.1



#91
Benzo(k)fluoranthene
Concen: 15.312 ng/ul
RT: 23.416 min Scan# 3422
Delta R.T. 0.000 min
Lab File: BP016512.D
Acq: 07 Aug 2023 11:35

Tgt Ion:252 Resp: 1659347
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.8 9.4 14.0





#93

Benzo(a)pyrene

Concen: 9.625 ng/ul

RT: 24.051 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL

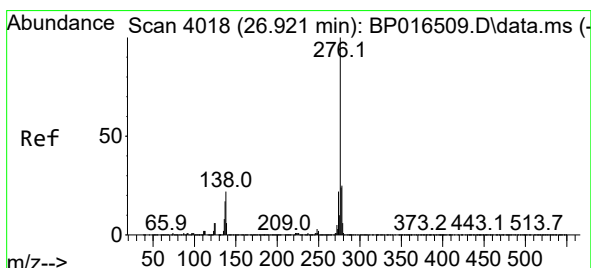
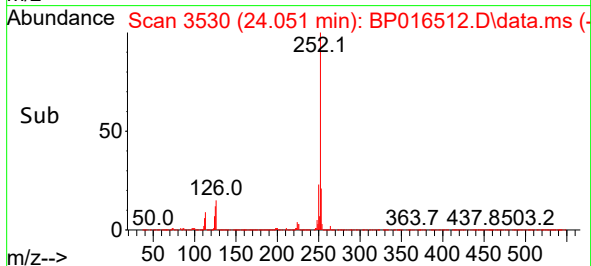
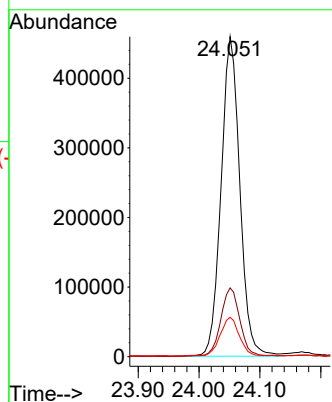
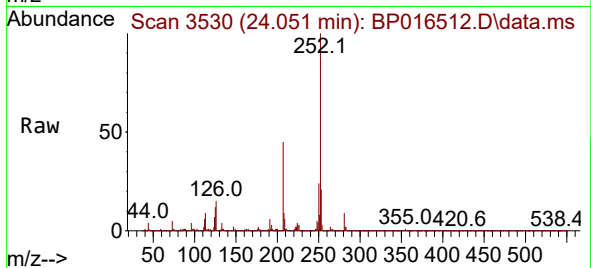
Tgt Ion:252 Resp: 983087

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 12.3 9.7 14.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 12.764 ng/ul

RT: 26.927 min Scan# 4019

Delta R.T. -0.006 min

Lab File: BP016512.D

Acq: 07 Aug 2023 11:35

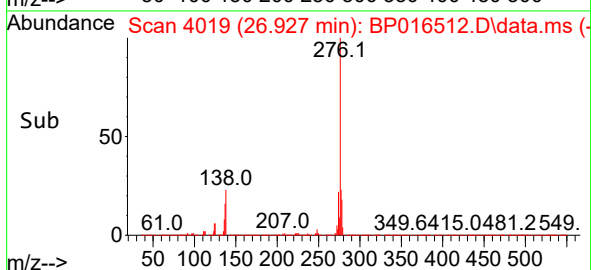
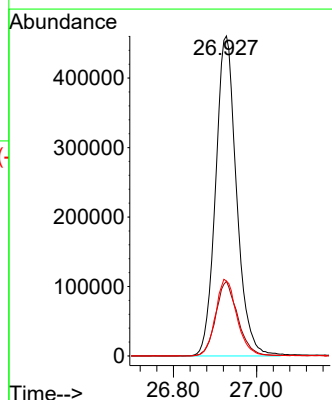
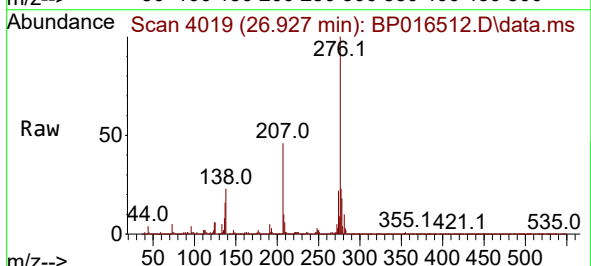
Tgt Ion:276 Resp: 1610252

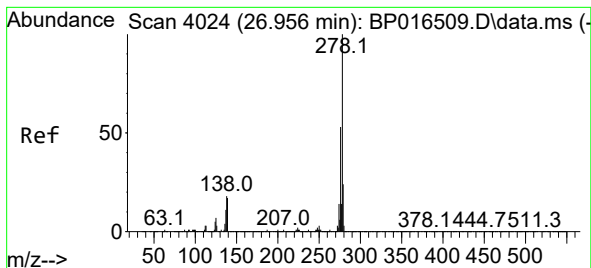
Ion Ratio Lower Upper

276 100

138 23.4 18.7 28.1

277 23.4 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 6.415 ng/ul

RT: 26.957 min Scan# 40

Delta R.T. -0.006 min

Lab File: BP016512.D

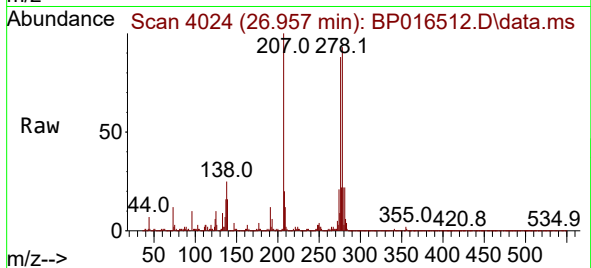
Acq: 07 Aug 2023 11:35

Instrument :

BNA_P

ClientSampleId :

X3H47DL



Tgt Ion:278 Resp: 675590

Ion Ratio Lower Upper

278 100

139 17.2 14.4 21.6

279 23.5 19.2 28.8

