

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080723\
 Data File : BP016516.D
 Acq On : 07 Aug 2023 13:52
 Operator : MA/JU
 Sample : 03805-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 X3H66DL

Quant Time: Aug 08 03:23:18 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	462065	20.000	ng/u1	0.00
20) Naphthalene-d8	10.899	136	1788545	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	942773	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.481	188	1878067	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	1565513	20.000	ng/u1	0.00
88) Perylene-d12	24.168	264	1754473	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	10558	0.829	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.199	99	206620	5.718	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	125619	5.643	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	160534	5.501	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	149429	5.363	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	70222	5.427	ng/u1	0.00
24) 2-Nitrophenol-d4	9.975	143	62060	5.141	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.504	165	152744	6.219	ng/u1	0.00
31) 4-Chloroaniline-d4	11.052	131	171023	4.723	ng/u1	0.00
46) Dimethylphthalate-d6	14.128	166	423532	6.496	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	497042	6.332	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	55436	4.516	ng/u1	0.00
60) Fluorene-d10	15.710	176	375117	6.701	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	27075	3.274	ng/u1	0.00
73) Anthracene-d10	17.581	188	523524	6.457	ng/u1	0.00
81) Pyrene-d10	19.810	212	607015	7.072	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.992	264	549205	6.537	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.228	94	1300156	34.417	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.493	93	326281	10.425	ng/u1	99
12) 2-Chlorophenol	7.616	128	659748	21.746	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.881	70	622425	30.632	ng/u1	99
19) Hexachloroethane	9.146	117	366234	28.386	ng/u1	94
22) Nitrobenzene	9.305	77	322120	9.878	ng/u1	99
25) 2-Nitrophenol	10.010	139	188670	13.452	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.304	93	643864	16.733	ng/u1	98
29) 2,4-Dichlorophenol	10.528	162	355384	14.124	ng/u1	97
30) Naphthalene	10.952	128	3414694	36.845	ng/u1	100
35) 4-Chloro-3-methylphenol	12.163	107	645087	26.040	ng/u1	99
41) 2,4,6-Trichlorophenol	13.140	196	299098	17.523	ng/u1	98
42) 2,4,5-Trichlorophenol	13.204	196	676614	36.511	ng/u1	100
44) 2-Chloronaphthalene	13.598	162	952365	16.425	ng/u1	99
48) 2,6-Dinitrotoluene	14.310	165	617420	53.185	ng/u1	97
50) Acenaphthylene	14.445	152	3571681	39.163	ng/u1	99
52) Acenaphthene	14.781	153	1692114	28.228	ng/u1	98
55) 4-Nitrophenol	14.922	109	303836	33.284	ng/u1	97
57) 2,4-Dinitrotoluene	15.092	165	452391	27.631	ng/u1	98
59) Diethylphthalate	15.528	149	2817989	44.490	ng/u1	100
61) Fluorene	15.763	166	709055	11.035	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.757	204	1062224	33.585	ng/u1	97
69) Hexachlorobenzene	16.745	284	1137441	52.653	ng/u1	99
71) Pentachlorophenol	17.104	266	527735	41.991	ng/u1	99

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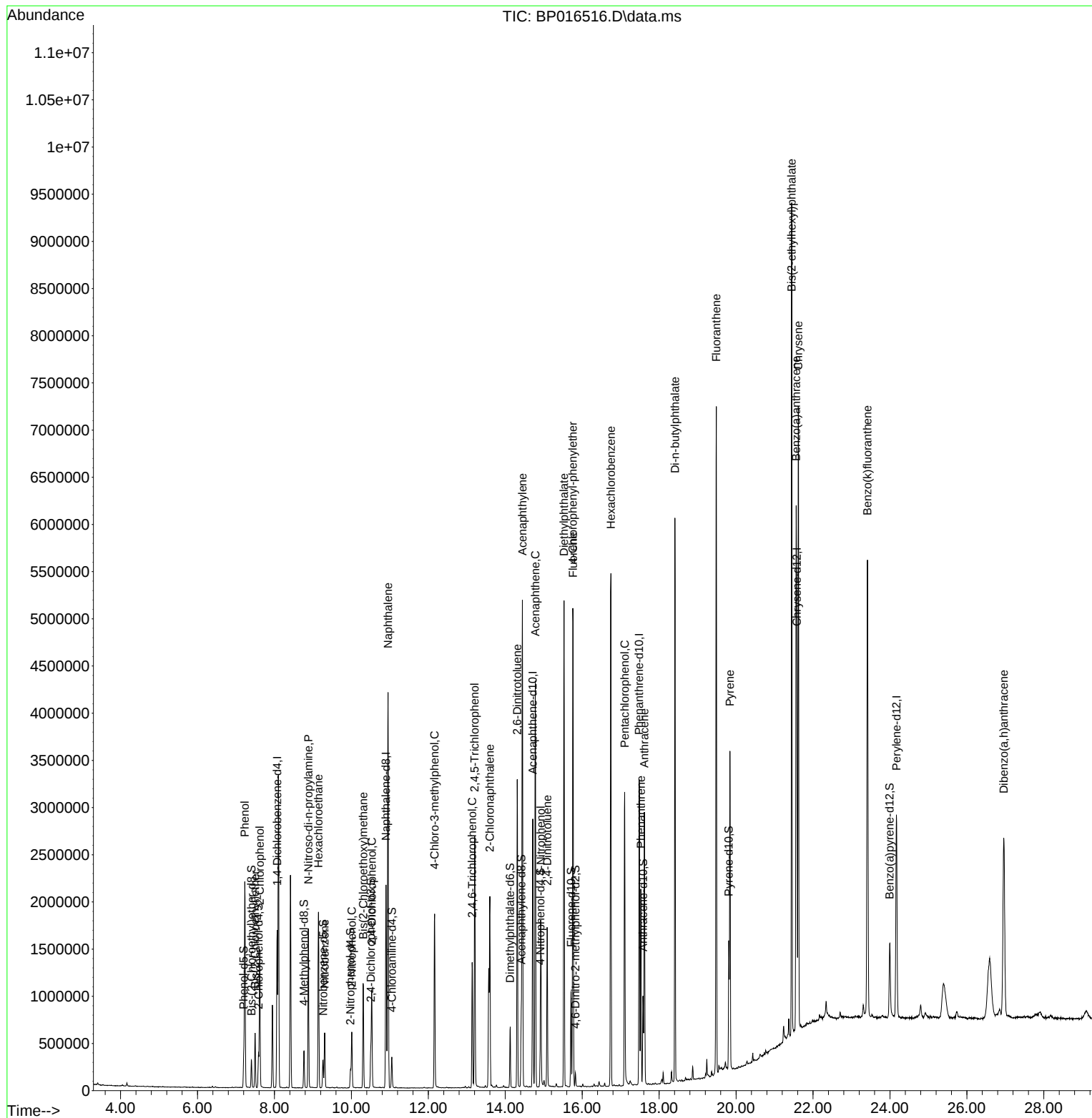
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Phenanthrene	17.528	178	1244418	12.707	ng/ul	99
74) Anthracene	17.616	178	1713724	17.412	ng/ul	100
78) Di-n-butylphthalate	18.410	149	4043930	40.888	ng/ul	100
80) Fluoranthene	19.486	202	4011475	39.190	ng/ul	100
82) Pyrene	19.839	202	1939258	17.929	ng/ul	99
85) Benzo(a)anthracene	21.563	228	2689561	25.914	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.445	149	3083426	54.222	ng/ul	98
87) Chrysene	21.622	228	3418293	34.944	ng/ul	99
91) Benzo(k)fluoranthene	23.416	252	3753620	36.029	ng/ul	99
95) Dibenzo(a,h)anthracene	26.957	278	2378602	23.494	ng/ul	98

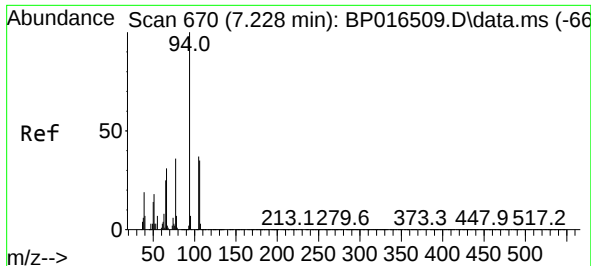
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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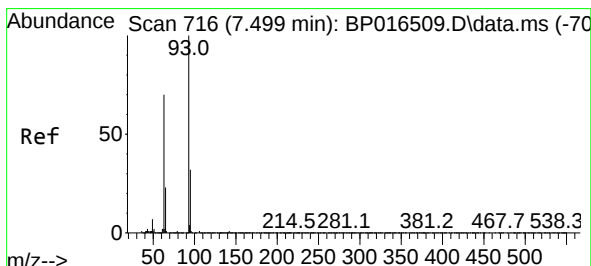
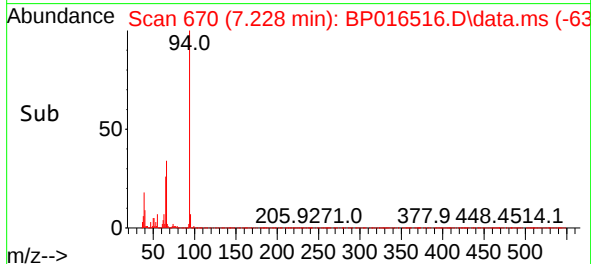
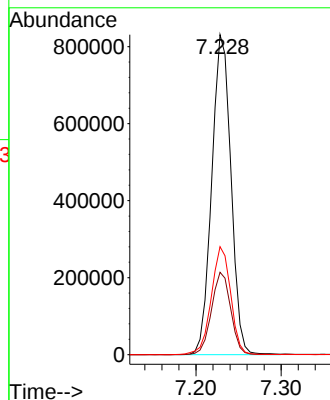
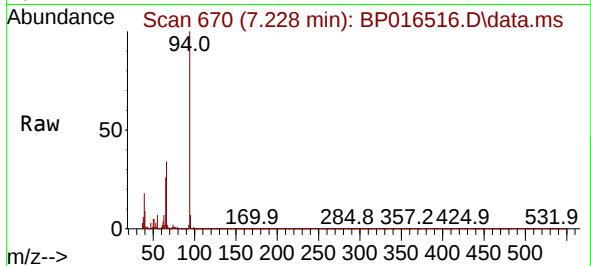




#8
Phenol
Concen: 34.417 ng/ul
RT: 7.228 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

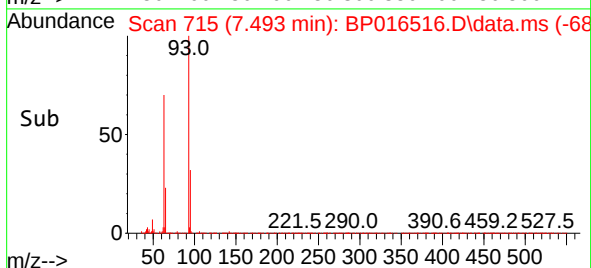
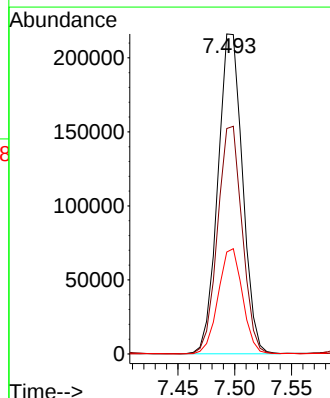
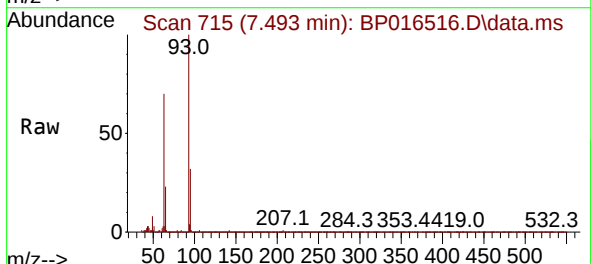
Instrument :
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ClientSampleId :
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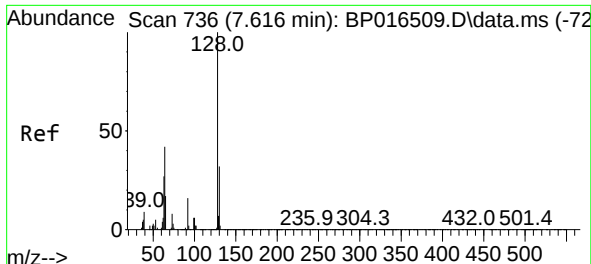
Tgt Ion: 94 Resp: 1300156
Ion Ratio Lower Upper
94 100
65 25.8 20.3 30.5
66 33.7 26.6 39.8



#10
Bis(2-Chloroethyl)ether
Concen: 10.425 ng/ul
RT: 7.493 min Scan# 715
Delta R.T. -0.006 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion: 93 Resp: 326281
Ion Ratio Lower Upper
93 100
63 70.5 57.0 85.4
95 31.9 26.2 39.2

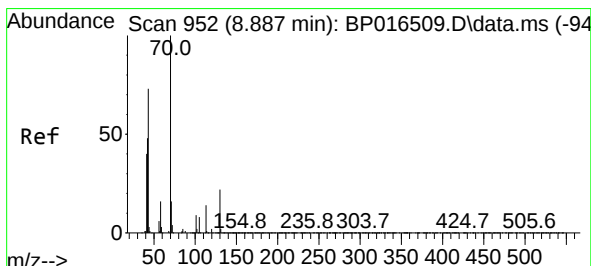
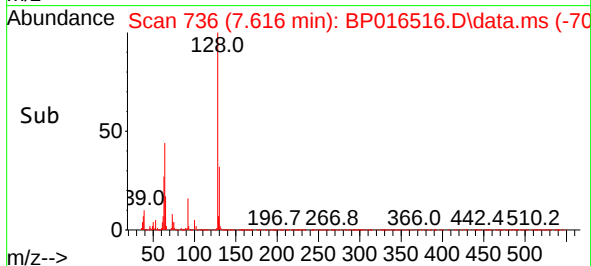
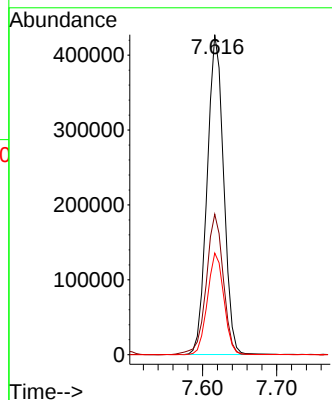
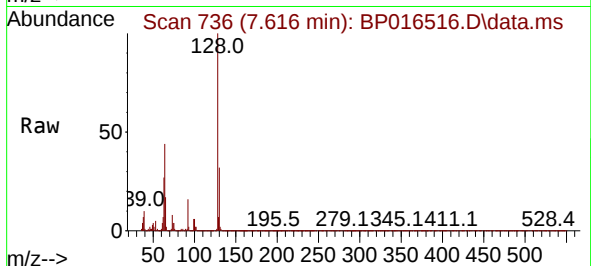




#12
2-Chlorophenol
Concen: 21.746 ng/ul
RT: 7.616 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

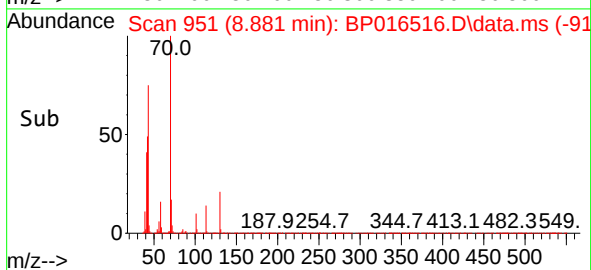
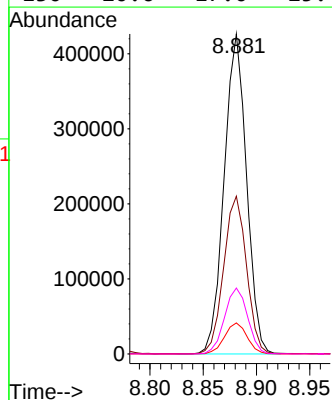
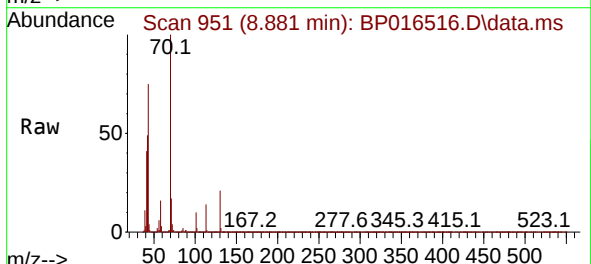
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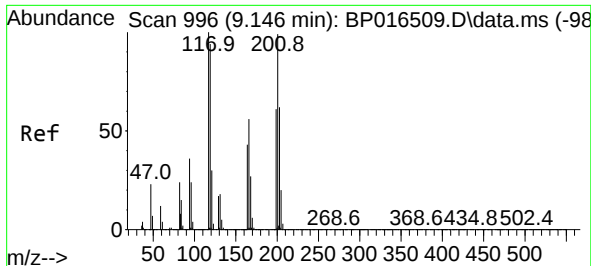
Tgt Ion:128 Resp: 659748
Ion Ratio Lower Upper
128 100
64 43.9 34.9 52.3
130 31.7 24.6 36.8



#17
N-Nitroso-di-n-propylamine
Concen: 30.632 ng/ul
RT: 8.881 min Scan# 951
Delta R.T. -0.006 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion: 70 Resp: 622425
Ion Ratio Lower Upper
70 100
42 49.3 39.9 59.9
101 9.7 7.5 11.3
130 20.6 17.0 25.4

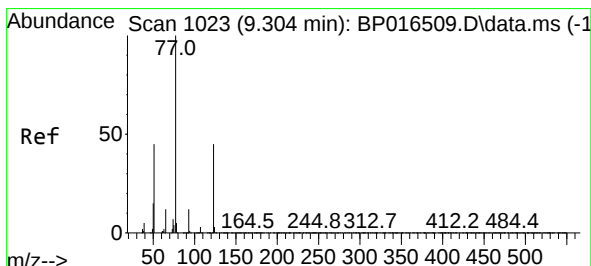
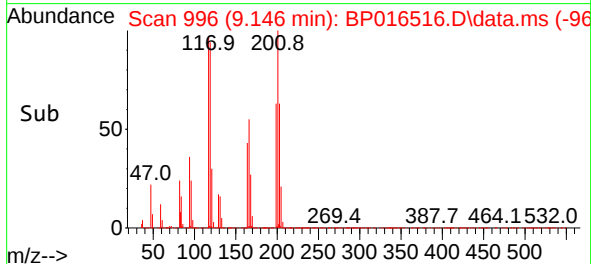
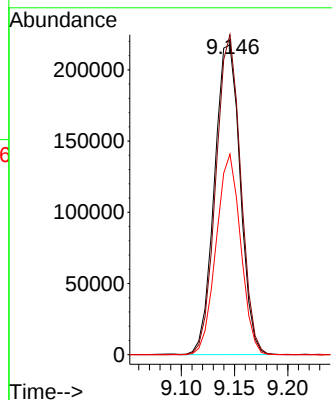
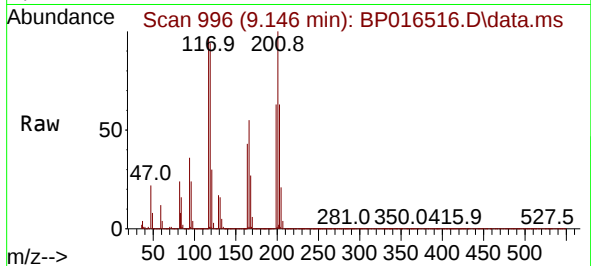




#19
Hexachloroethane
Concen: 28.386 ng/ul
RT: 9.146 min Scan# 996
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

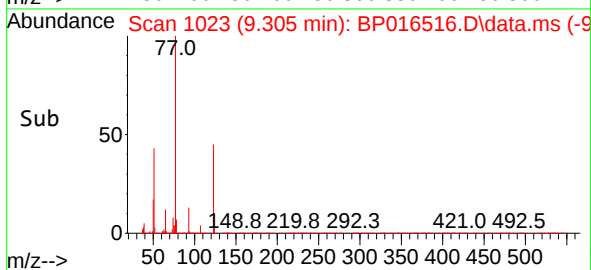
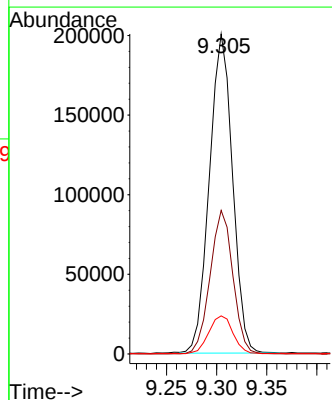
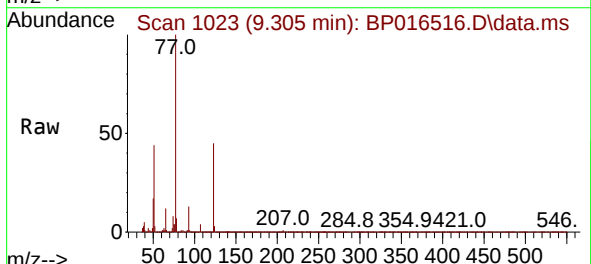
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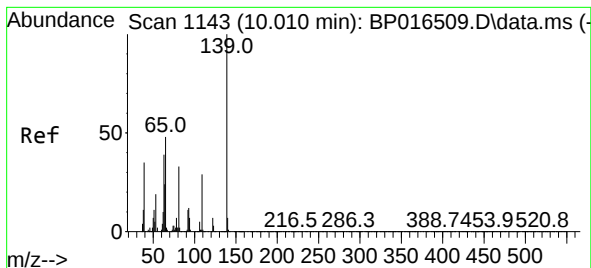
Tgt Ion:117 Resp: 366234
Ion Ratio Lower Upper
117 100
201 103.2 77.6 116.4
199 64.7 48.2 72.2



#22
Nitrobenzene
Concen: 9.878 ng/ul
RT: 9.305 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion: 77 Resp: 322120
Ion Ratio Lower Upper
77 100
123 44.9 35.3 52.9
65 11.9 10.2 15.4

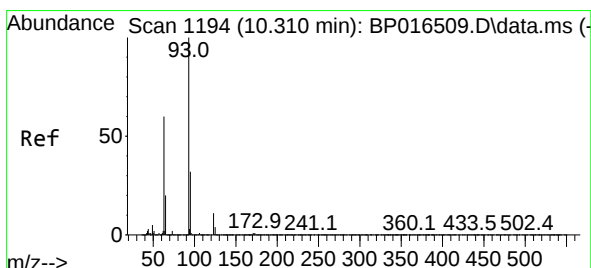
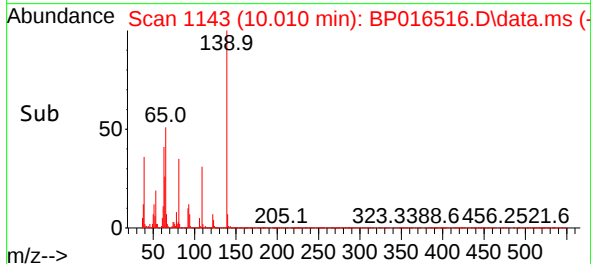
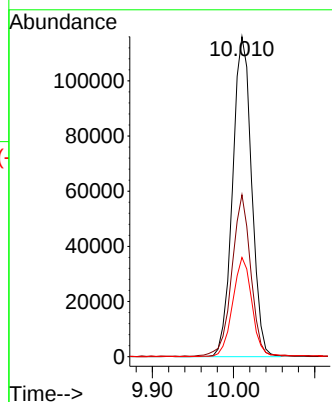
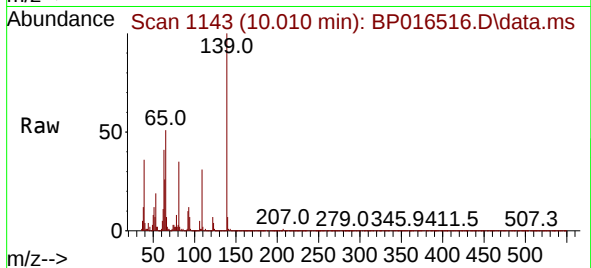




#25
2-Nitrophenol
Concen: 13.452 ng/ul
RT: 10.010 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BP016516.D
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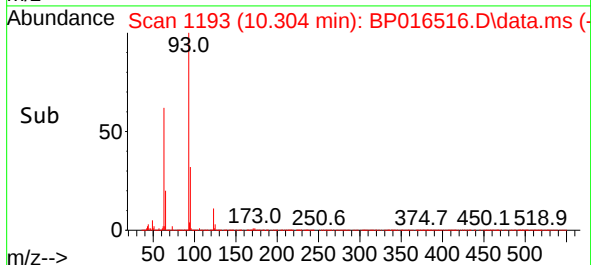
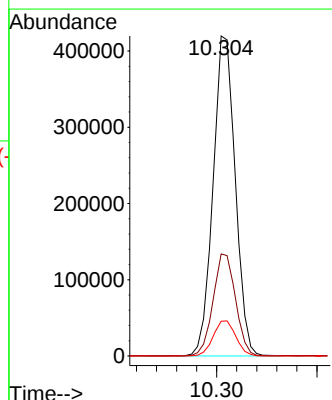
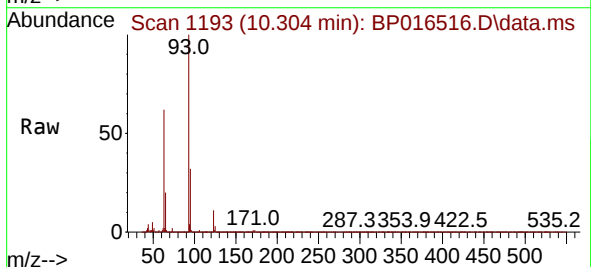
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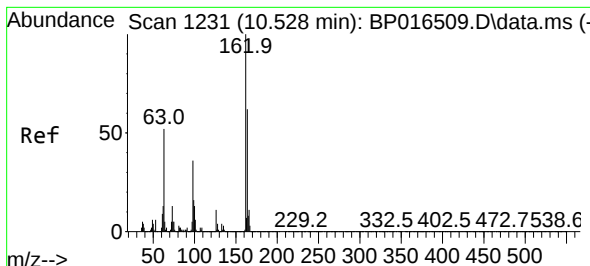
Tgt Ion:139 Resp: 188670
Ion Ratio Lower Upper
139 100
65 50.6 37.6 56.4
109 31.0 22.9 34.3



#27
Bis(2-Chloroethoxy)methane
Concen: 16.733 ng/ul
RT: 10.304 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion: 93 Resp: 643864
Ion Ratio Lower Upper
93 100
95 31.9 26.5 39.7
123 10.8 8.8 13.2

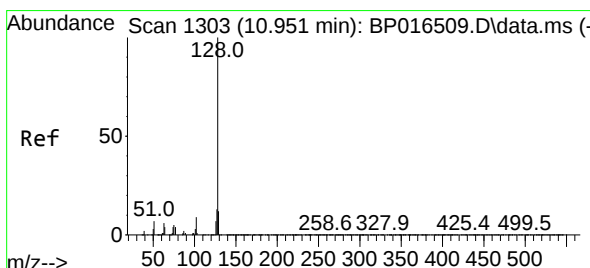
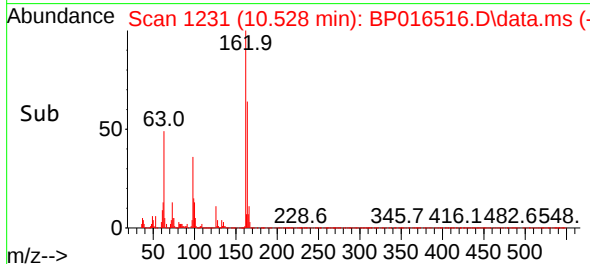
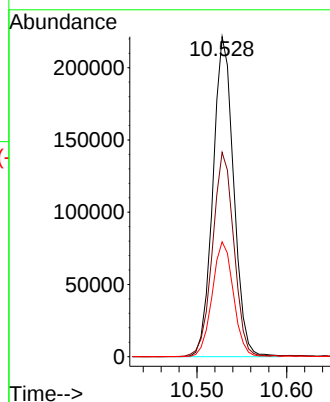
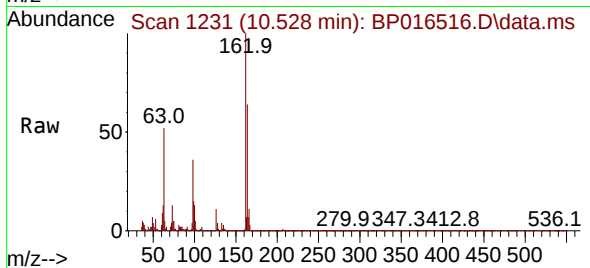




#29
2,4-Dichlorophenol
Concen: 14.124 ng/ul
RT: 10.528 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BP016516.D
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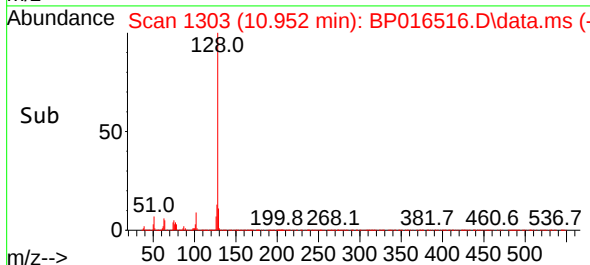
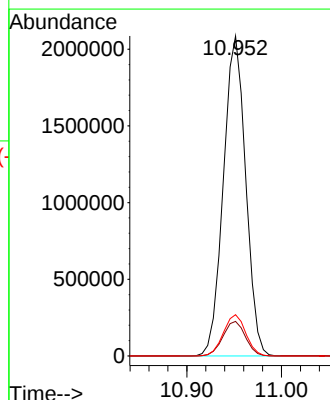
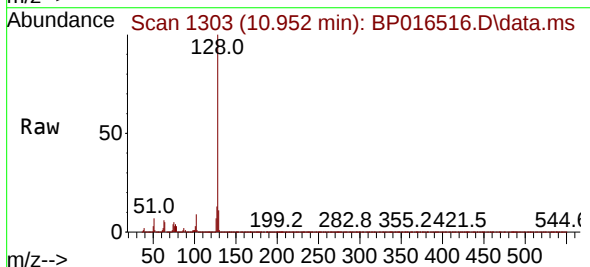
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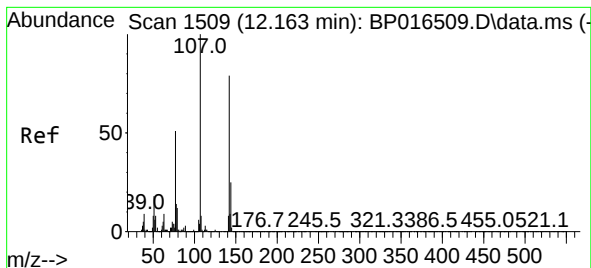
Tgt Ion:162 Resp: 355384
Ion Ratio Lower Upper
162 100
164 63.9 53.4 80.0
98 35.9 29.8 44.8



#30
Naphthalene
Concen: 36.845 ng/ul
RT: 10.952 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion:128 Resp: 3414694
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.9 10.3 15.5

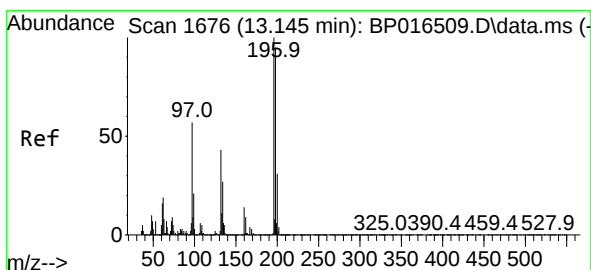
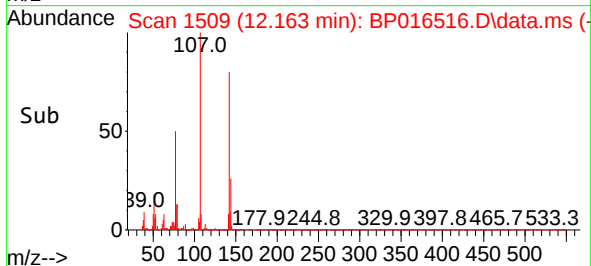
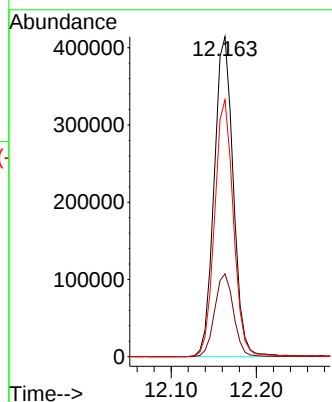
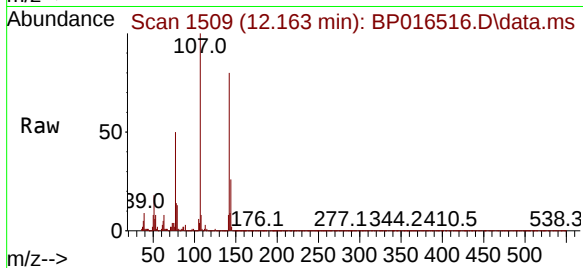




#35
4-Chloro-3-methylphenol
Concen: 26.040 ng/ul
RT: 12.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP016516.D
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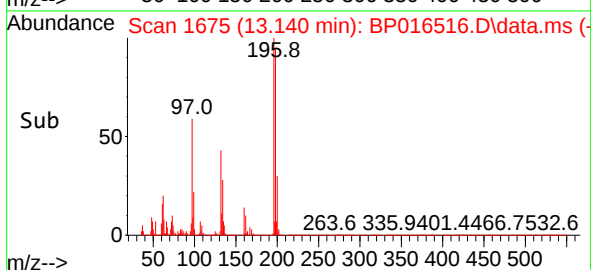
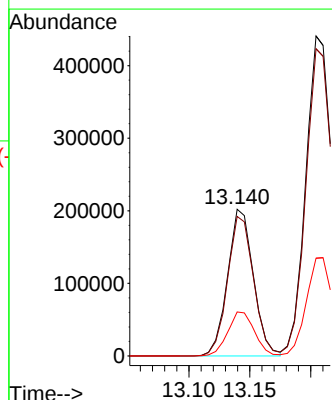
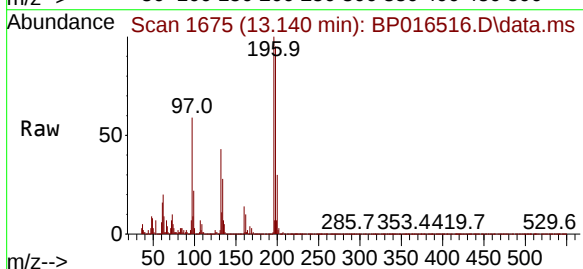
Instrument :
BNA_P
ClientSampleId :
X3H66DL

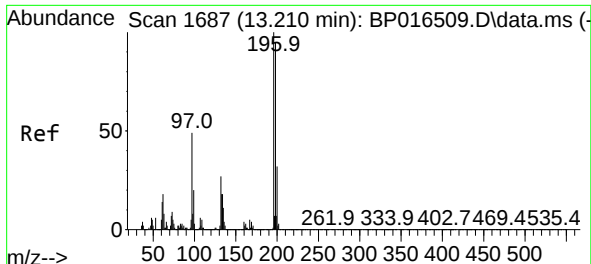
Tgt Ion:107 Resp: 645087
Ion Ratio Lower Upper
107 100
144 25.9 20.5 30.7
142 80.3 65.2 97.8



#41
2,4,6-Trichlorophenol
Concen: 17.523 ng/ul
RT: 13.140 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion:196 Resp: 299098
Ion Ratio Lower Upper
196 100
198 95.1 77.1 115.7
200 30.0 25.0 37.4

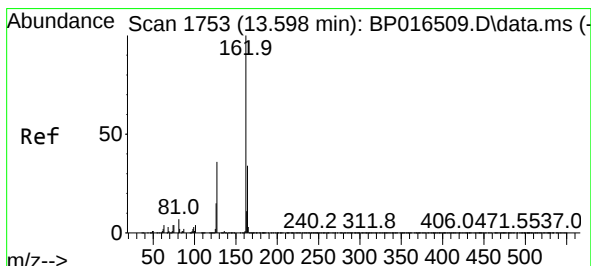
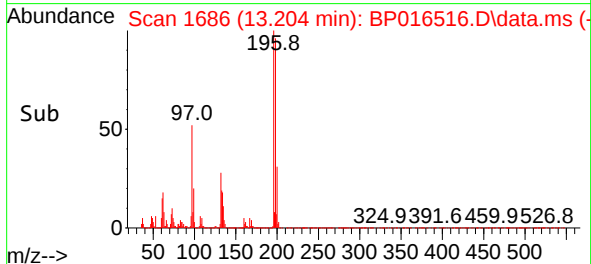
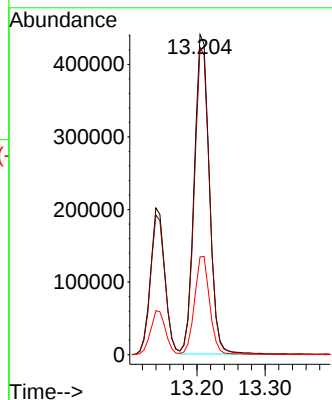
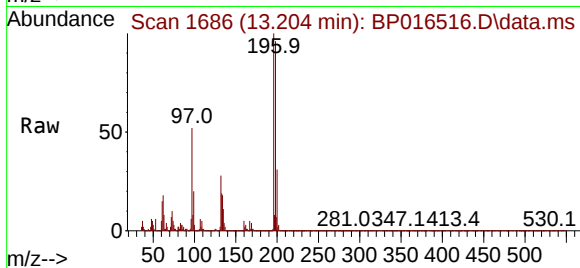




#42
2,4,5-Trichlorophenol
Concen: 36.511 ng/ul
RT: 13.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

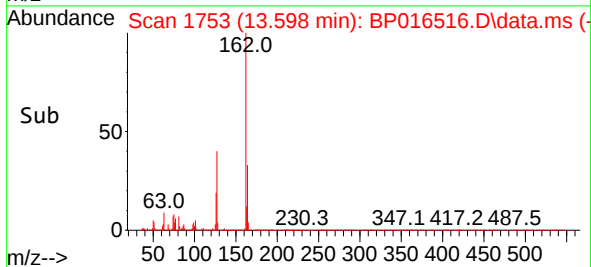
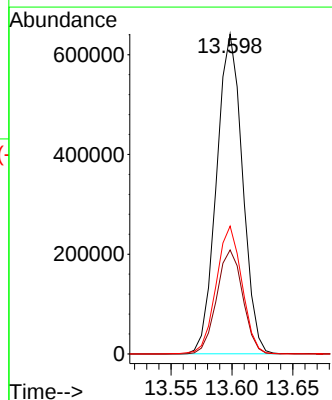
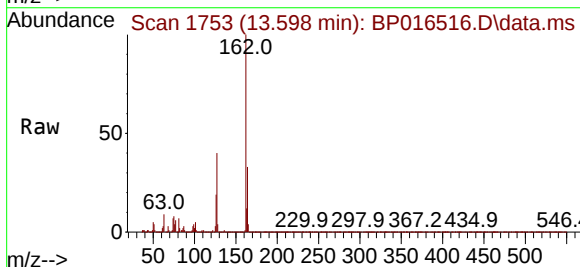
Instrument :
BNA_P
ClientSampleId :
X3H66DL

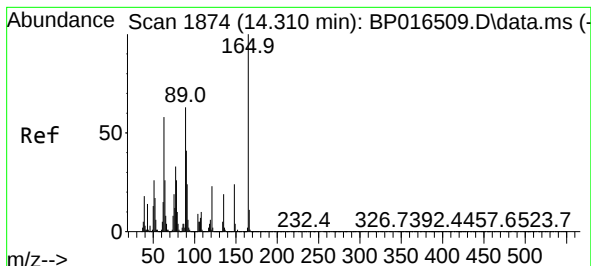
Tgt Ion:196 Resp: 676614
Ion Ratio Lower Upper
196 100
198 96.0 76.8 115.2
200 30.6 24.8 37.2



#44
2-Chloronaphthalene
Concen: 16.425 ng/ul
RT: 13.598 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion:162 Resp: 952365
Ion Ratio Lower Upper
162 100
164 32.5 26.6 39.8
127 40.0 31.1 46.7





#48

2,6-Dinitrotoluene

Concen: 53.185 ng/ul

RT: 14.310 min Scan# 1874

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

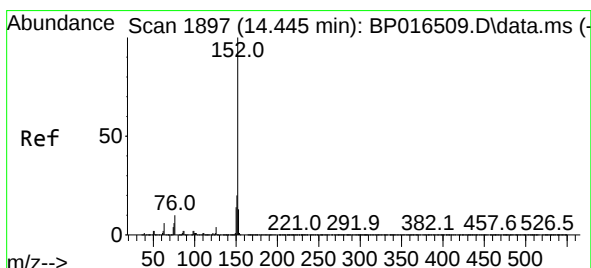
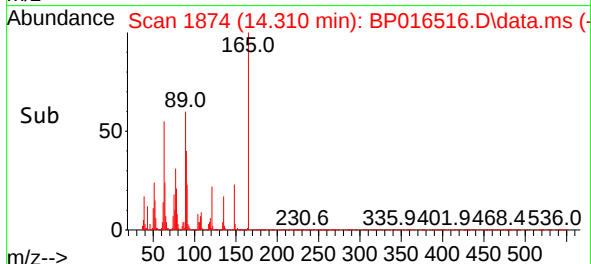
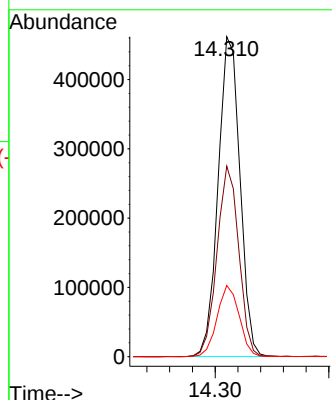
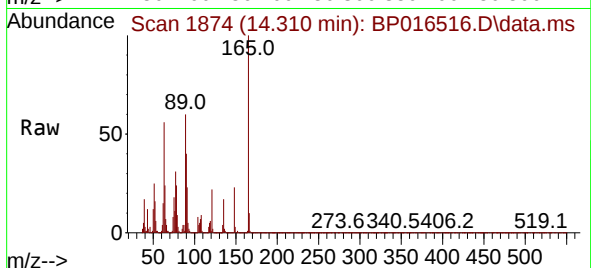
Tgt Ion:165 Resp: 617420

Ion Ratio Lower Upper

165 100

89 59.6 50.1 75.1

121 22.2 17.9 26.9



#50

Acenaphthylene

Concen: 39.163 ng/ul

RT: 14.445 min Scan# 1897

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

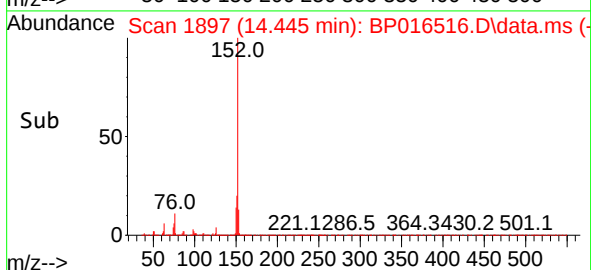
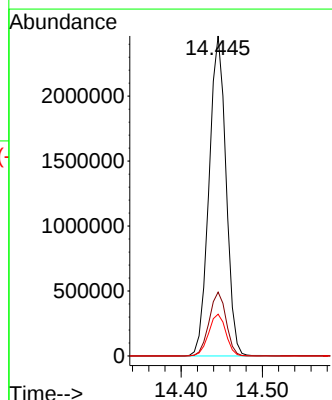
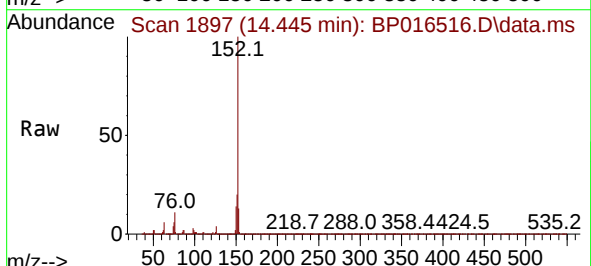
Tgt Ion:152 Resp: 3571681

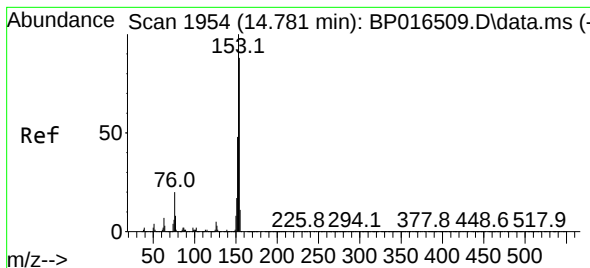
Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

153 13.0 10.7 16.1





#52

Acenaphthene

Concen: 28.228 ng/ul

RT: 14.781 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

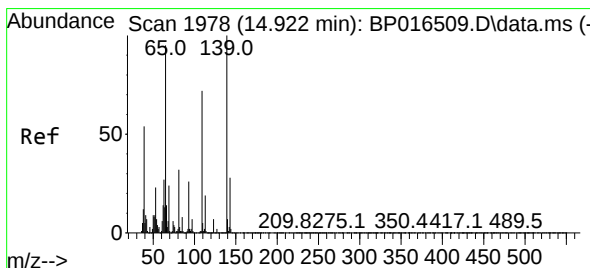
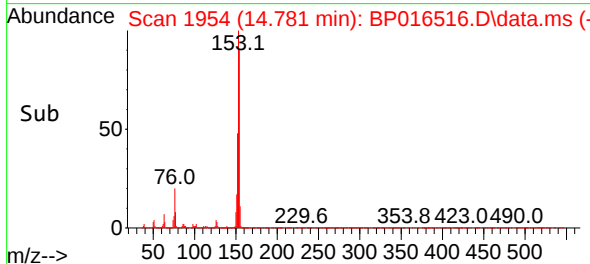
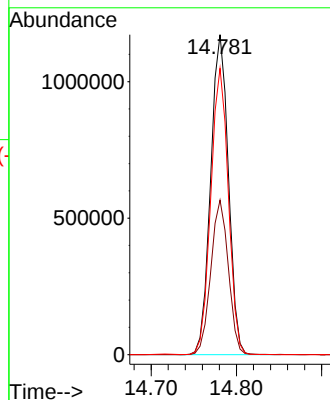
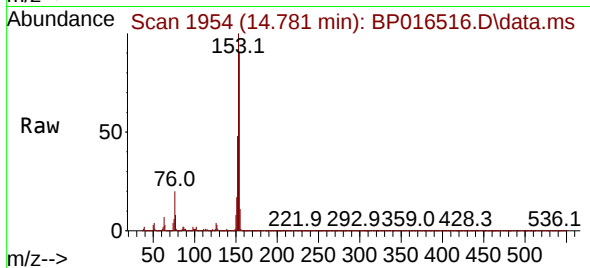
Tgt Ion:153 Resp: 1692114

Ion Ratio Lower Upper

153 100

152 48.3 37.8 56.8

154 89.5 70.2 105.4



#55

4-Nitrophenol

Concen: 33.284 ng/ul

RT: 14.922 min Scan# 1978

Delta R.T. -0.006 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

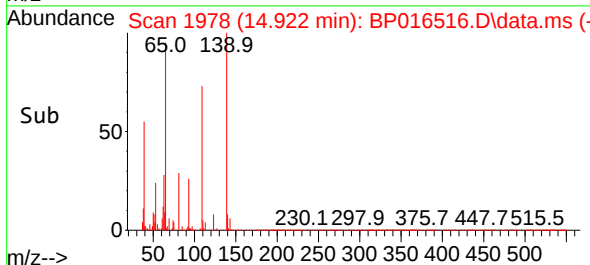
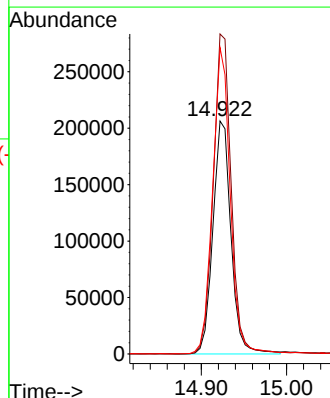
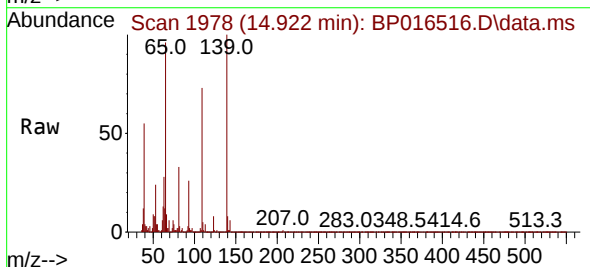
Tgt Ion:109 Resp: 303836

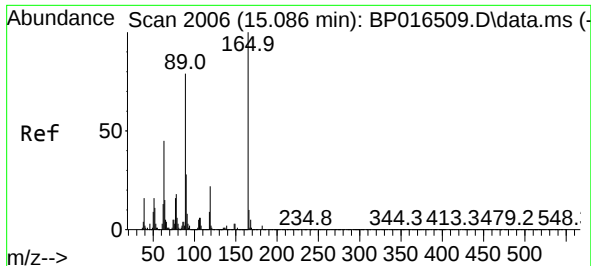
Ion Ratio Lower Upper

109 100

139 137.3 108.4 162.6

65 131.5 101.2 151.8

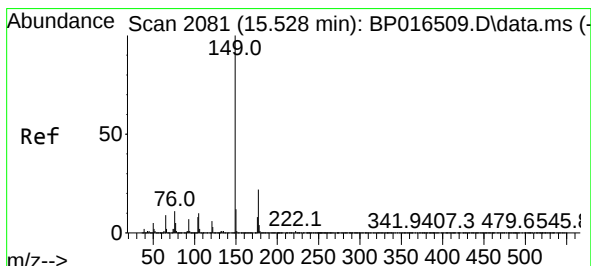
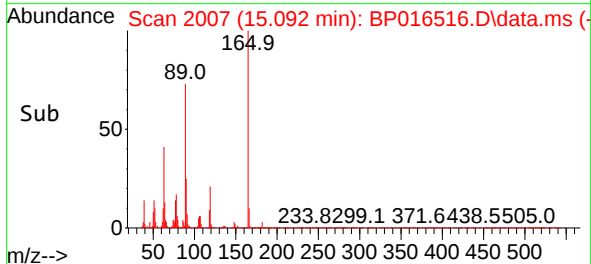
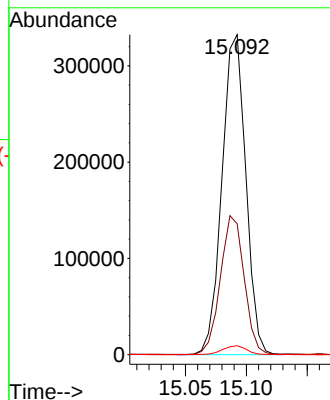
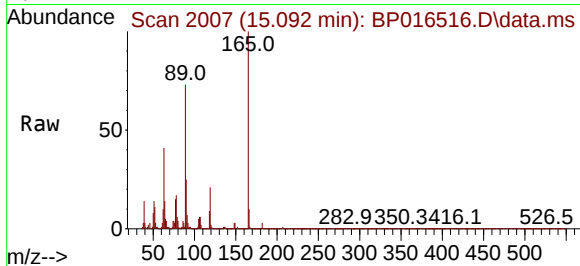




#57
2,4-Dinitrotoluene
Concen: 27.631 ng/ul
RT: 15.092 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

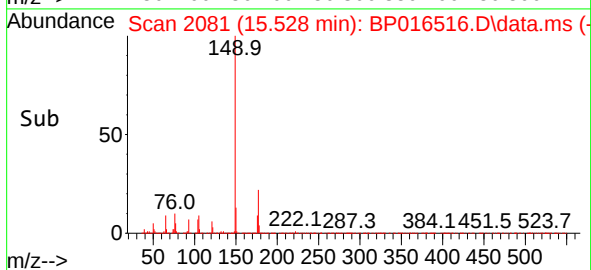
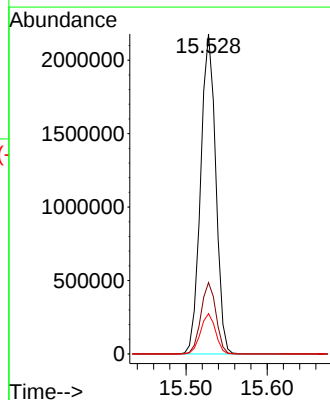
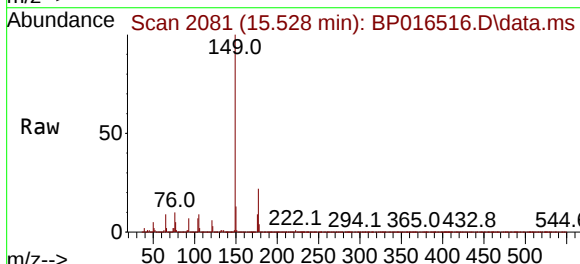
Instrument :
BNA_P
ClientSampleId :
X3H66DL

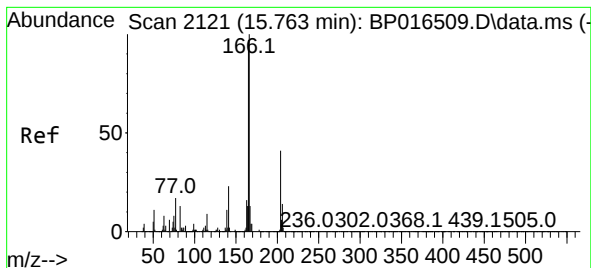
Tgt Ion:165 Resp: 452391
Ion Ratio Lower Upper
165 100
63 40.9 33.5 50.3
182 2.8 2.1 3.1



#59
Diethylphthalate
Concen: 44.490 ng/ul
RT: 15.528 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BP016516.D
Acq: 07 Aug 2023 13:52

Tgt Ion:149 Resp: 2817989
Ion Ratio Lower Upper
149 100
177 22.3 17.7 26.5
150 12.6 10.0 15.0





#61

Fluorene

Concen: 11.035 ng/ul

RT: 15.763 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

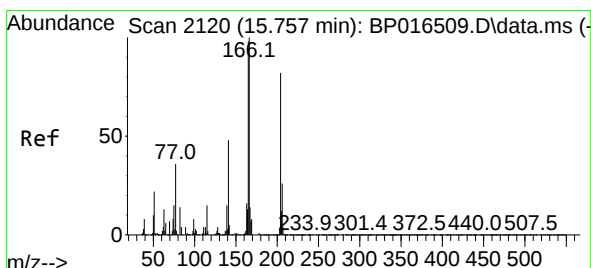
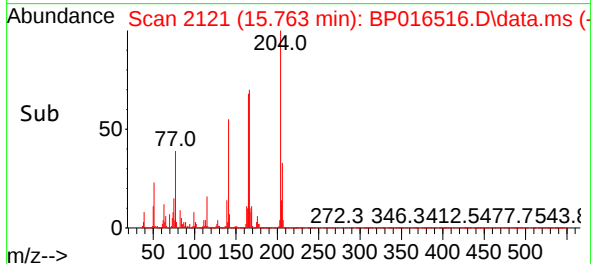
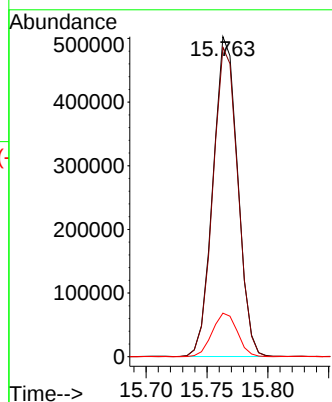
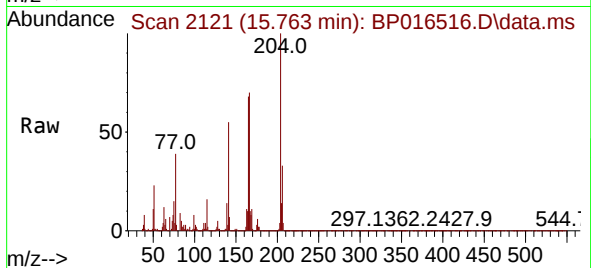
Tgt Ion:166 Resp: 709055

Ion Ratio Lower Upper

166 100

165 96.7 78.5 117.7

167 13.6 10.4 15.6



#62

4-Chlorophenyl-phenylether

Concen: 33.585 ng/ul

RT: 15.757 min Scan# 2120

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

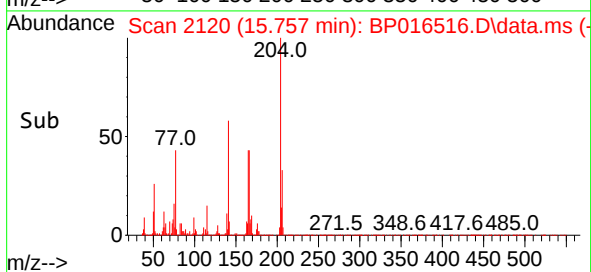
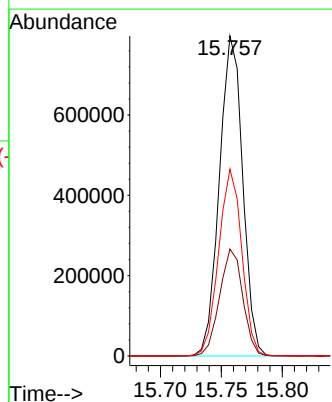
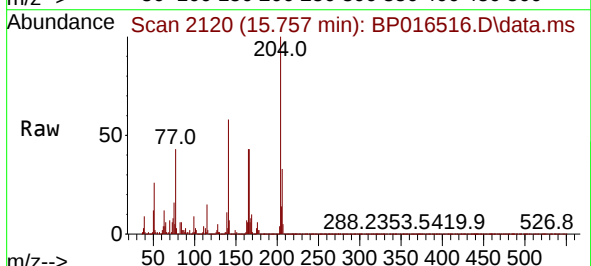
Tgt Ion:204 Resp: 1062224

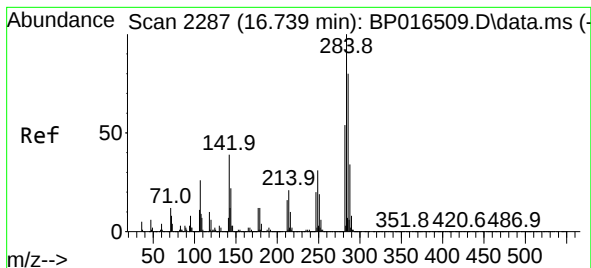
Ion Ratio Lower Upper

204 100

206 33.4 26.1 39.1

141 58.4 48.6 72.8





#69

Hexachlorobenzene

Concen: 52.653 ng/ul

RT: 16.745 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

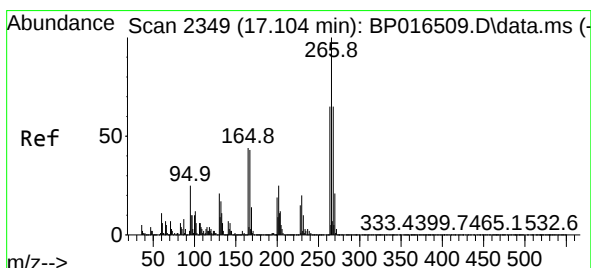
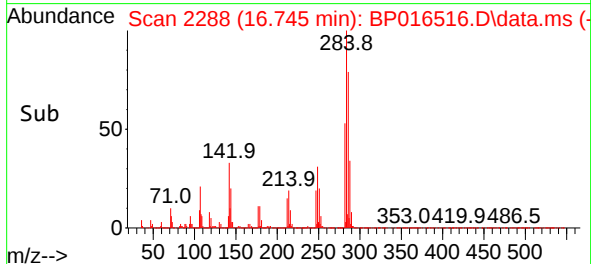
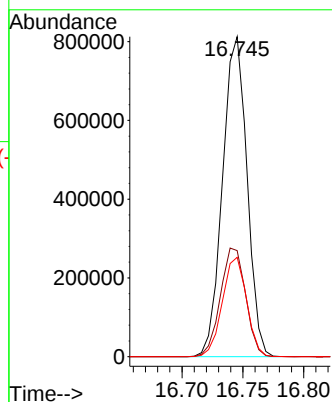
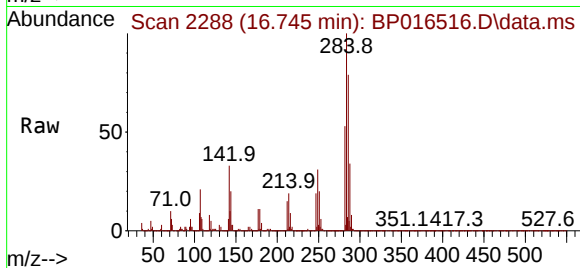
Tgt Ion:284 Resp: 1137441

Ion Ratio Lower Upper

284 100

142 33.2 26.9 40.3

249 31.1 24.2 36.4



#71

Pentachlorophenol

Concen: 41.991 ng/ul

RT: 17.104 min Scan# 2349

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

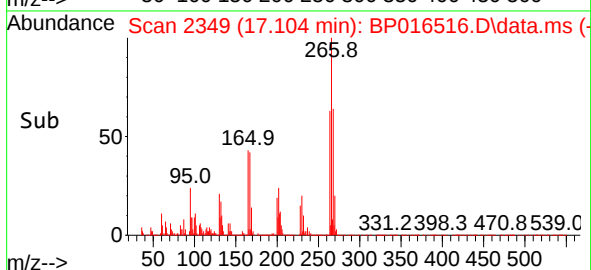
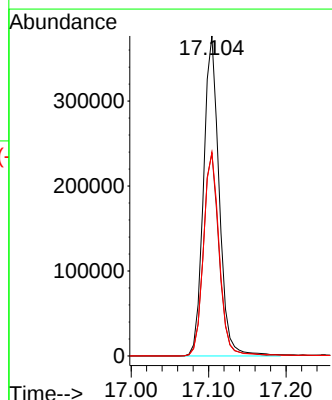
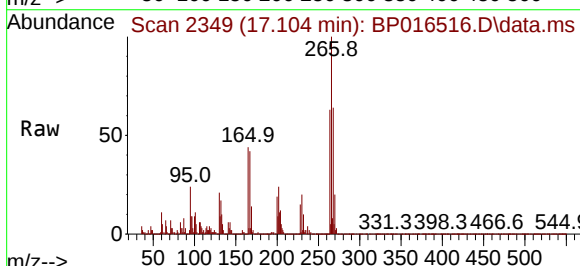
Tgt Ion:266 Resp: 527735

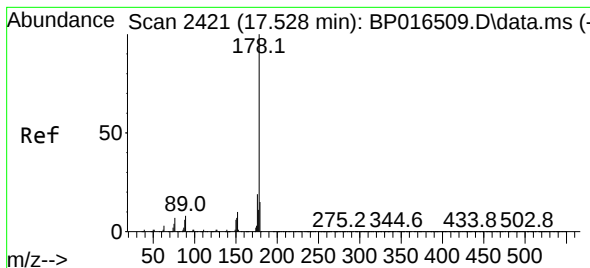
Ion Ratio Lower Upper

266 100

264 63.4 51.4 77.0

268 63.6 51.5 77.3





#72

Phenanthrene

Concen: 12.707 ng/ul

RT: 17.528 min Scan# 2421

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

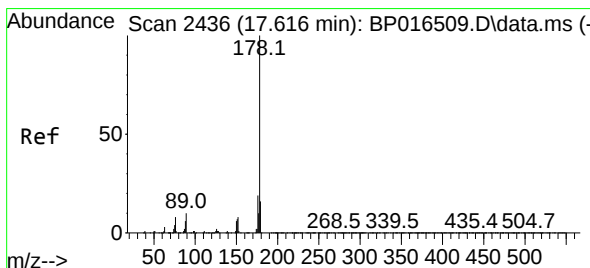
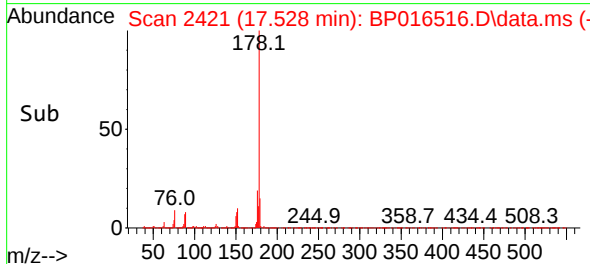
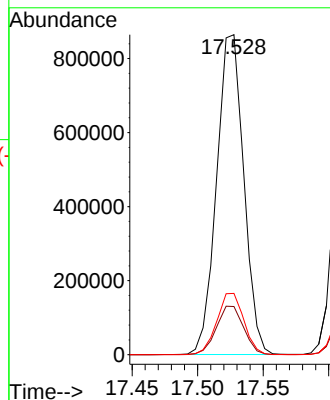
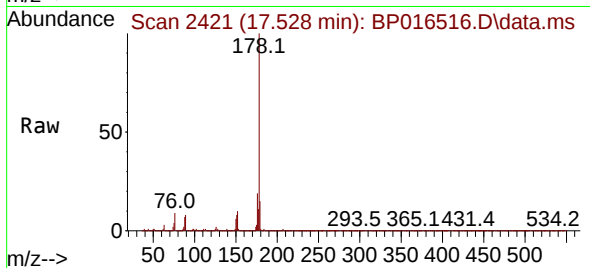
Tgt Ion:178 Resp: 1244418

Ion Ratio Lower Upper

178 100

179 15.0 12.7 19.1

176 19.2 15.6 23.4



#74

Anthracene

Concen: 17.412 ng/ul

RT: 17.616 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

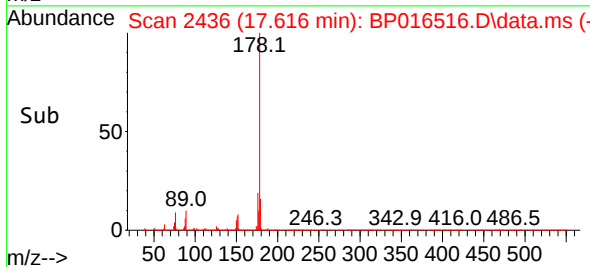
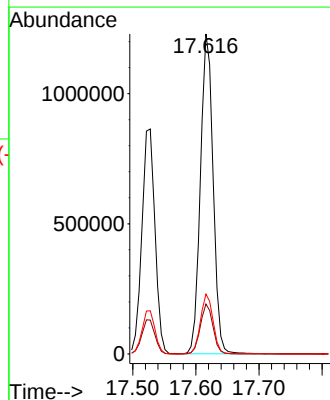
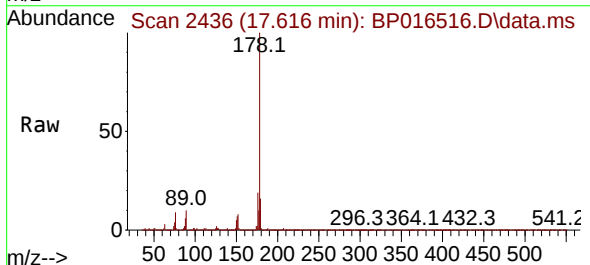
Tgt Ion:178 Resp: 1713724

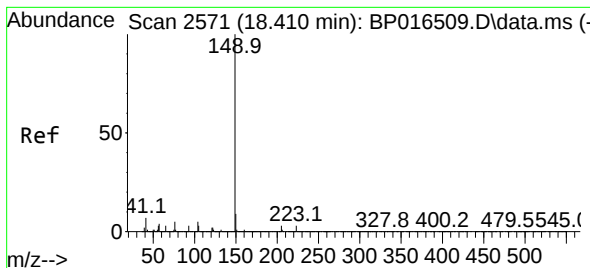
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 18.7 14.7 22.1





#78

Di-n-butylphthalate

Concen: 40.888 ng/ul

RT: 18.410 min Scan# 2571

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

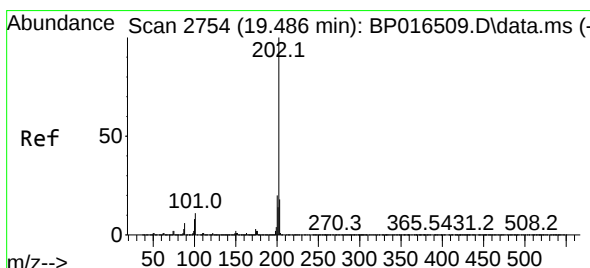
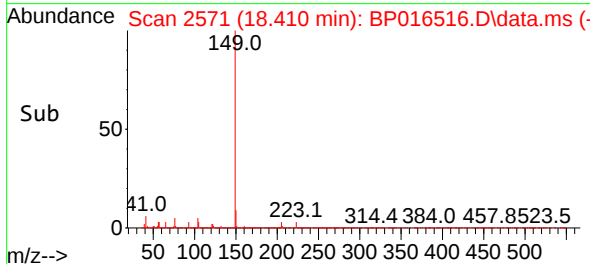
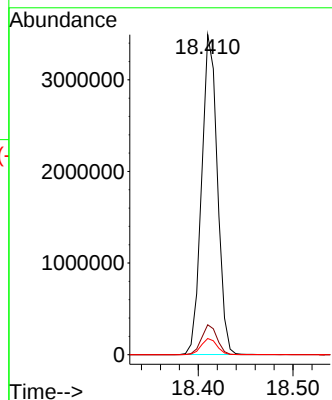
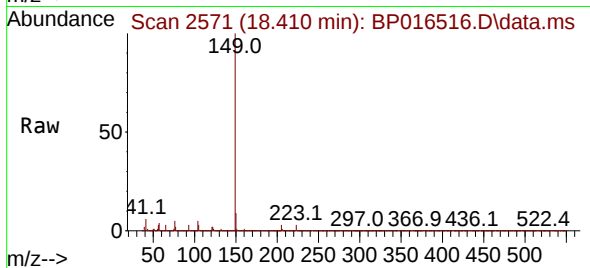
Tgt Ion:149 Resp: 4043930

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.0 4.2 6.4



#80

Fluoranthene

Concen: 39.190 ng/ul

RT: 19.486 min Scan# 2754

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

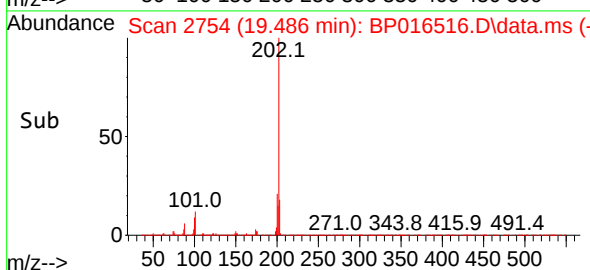
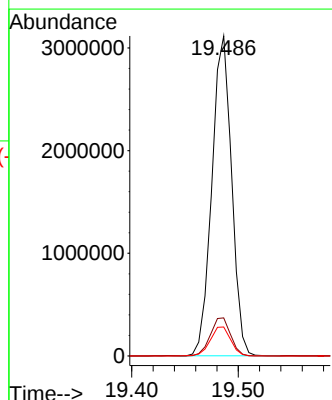
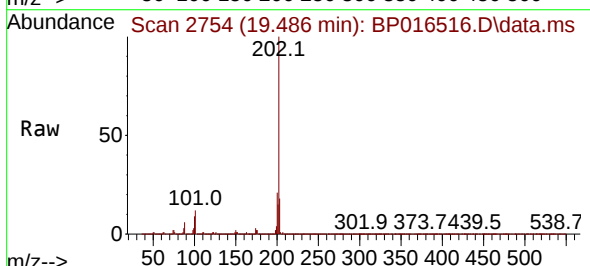
Tgt Ion:202 Resp: 4011475

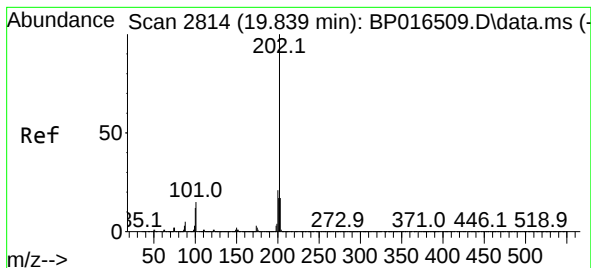
Ion Ratio Lower Upper

202 100

101 11.9 9.5 14.3

100 9.1 7.3 10.9





#82

Pyrene

Concen: 17.929 ng/ul

RT: 19.839 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

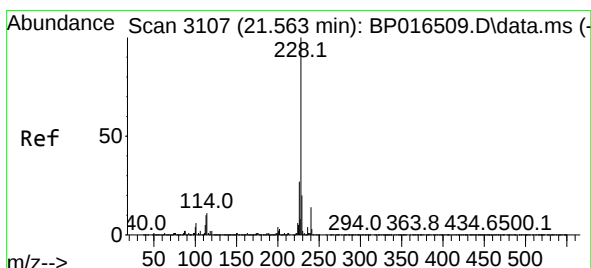
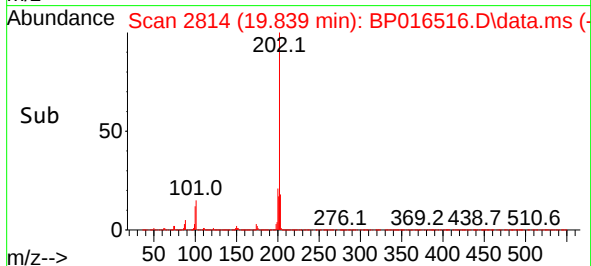
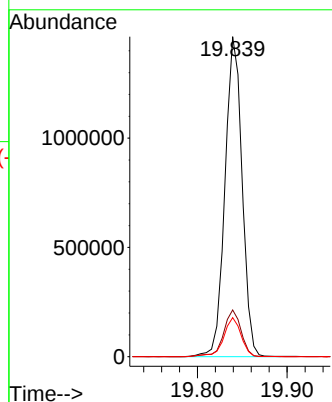
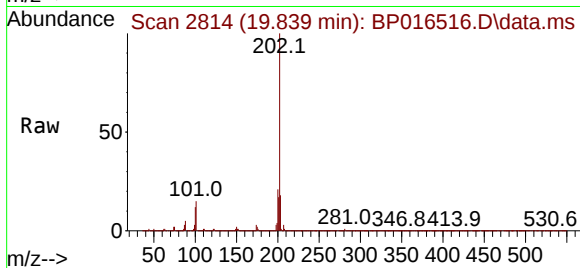
Tgt Ion:202 Resp: 1939258

Ion Ratio Lower Upper

202 100

101 14.6 12.1 18.1

100 12.2 9.8 14.6



#85

Benzo(a)anthracene

Concen: 25.914 ng/ul

RT: 21.563 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

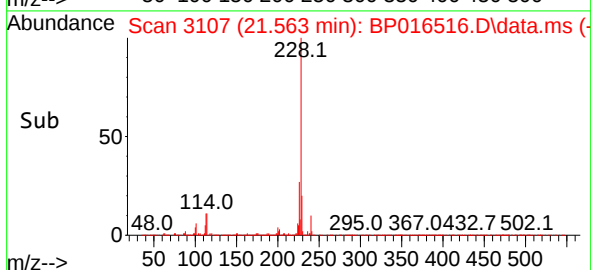
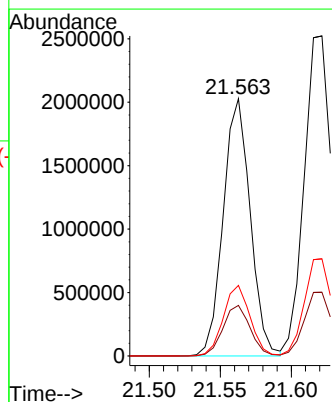
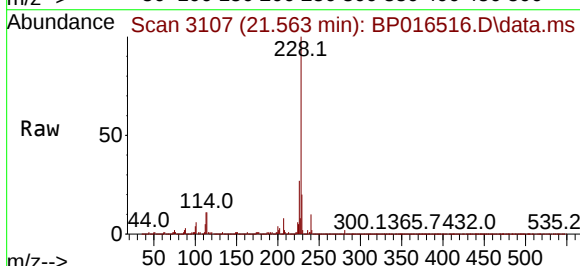
Tgt Ion:228 Resp: 2689561

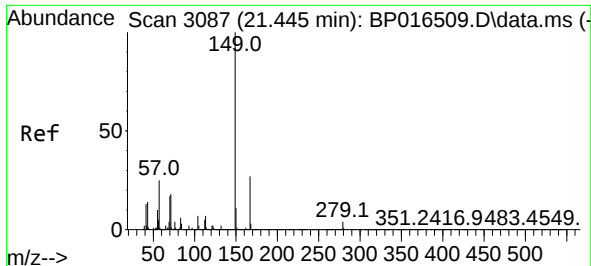
Ion Ratio Lower Upper

228 100

229 19.6 15.7 23.5

226 27.5 21.8 32.8

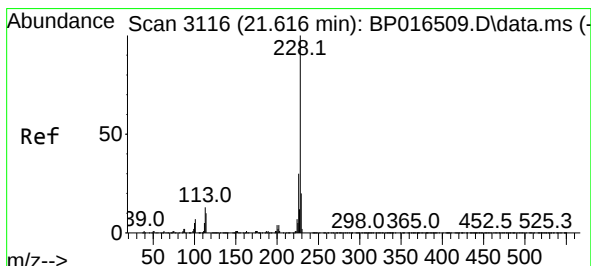
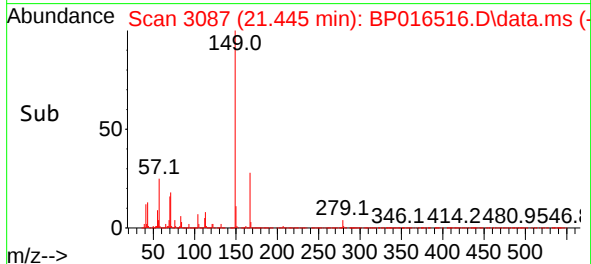
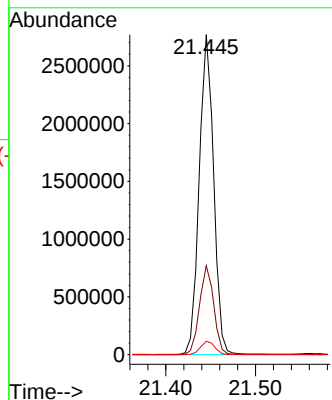
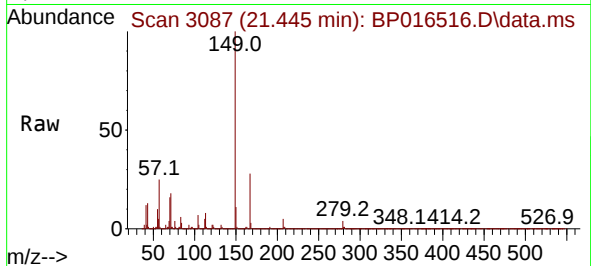




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 54.222 ng/ul
 RT: 21.445 min Scan# 3087
 Delta R.T. 0.000 min
 Lab File: BP016516.D
 Acq: 07 Aug 2023 13:52

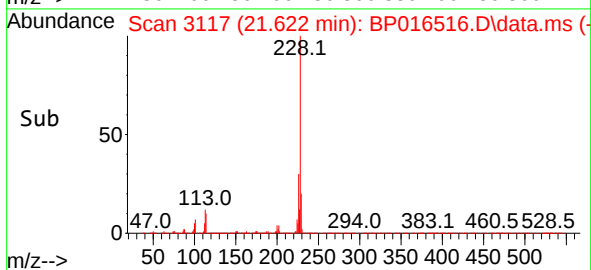
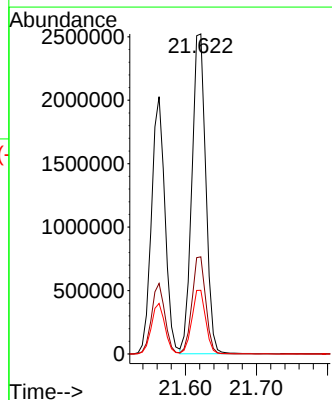
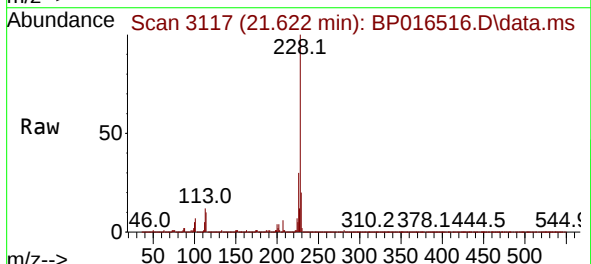
Instrument :
 BNA_P
 ClientSampleId :
 X3H66DL

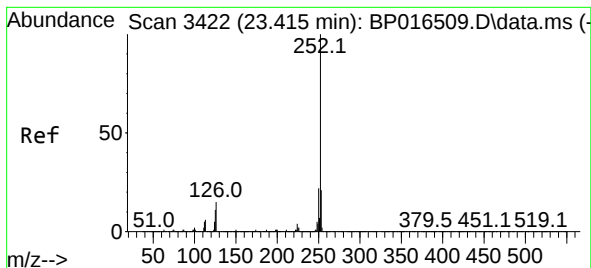
Tgt Ion:149 Resp: 3083426
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.4 32.2
 279 4.2 3.0 4.6



#87
 Chrysene
 Concen: 34.944 ng/ul
 RT: 21.622 min Scan# 3117
 Delta R.T. 0.000 min
 Lab File: BP016516.D
 Acq: 07 Aug 2023 13:52

Tgt Ion:228 Resp: 3418293
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.1 36.1
 229 19.9 15.4 23.2





#91

Benzo(k)fluoranthene

Concen: 36.029 ng/ul

RT: 23.416 min Scan# 3422

Delta R.T. 0.000 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Instrument :

BNA_P

ClientSampleId :

X3H66DL

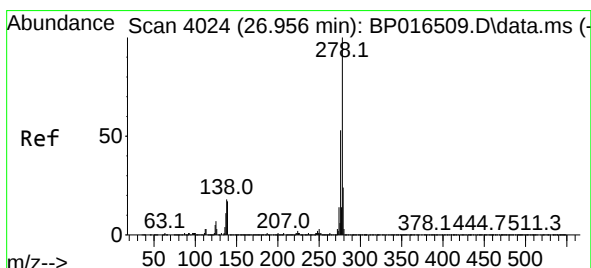
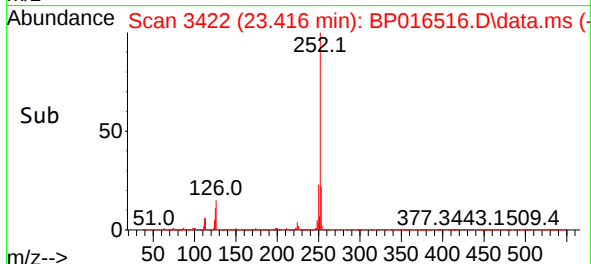
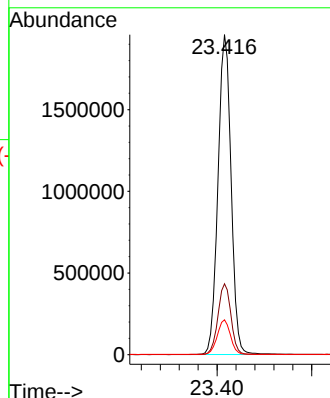
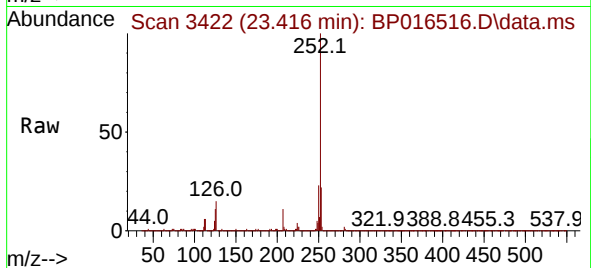
Tgt Ion:252 Resp: 3753620

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.9 9.4 14.0



#95

Dibenzo(a,h)anthracene

Concen: 23.494 ng/ul

RT: 26.957 min Scan# 4024

Delta R.T. -0.006 min

Lab File: BP016516.D

Acq: 07 Aug 2023 13:52

Tgt Ion:278 Resp: 2378602

Ion Ratio Lower Upper

278 100

139 16.8 14.4 21.6

279 24.5 19.2 28.8

