

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
 Data File : BN023901.D
 Acq On : 02 Feb 2023 12:46
 Operator : CG/JU
 Sample : 01362-13MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4488MS

Quant Time: Feb 03 01:16:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 02 02:10:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	149779	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	525960	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.504	164	293271	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.275	188	766944	20.000	ng/u1	0.02
79) Chrysene-d12	21.445	240	52468	20.000	ng/u1	# 0.00
88) Perylene-d12	23.880	264	591294	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	19323	5.207	ng/uL	0.00
4) Pyridine-d5	3.664	84	276691	26.685	ng/u1	0.00
7) Phenol-d5	7.028	99	403646	30.861	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	249696	30.208	ng/u1	0.00
11) 2-Chlorophenol-d4	7.387	132	334131	32.672	ng/u1	0.00
15) 4-Methylphenol-d8	8.575	113	297641	28.686	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	154738	36.261	ng/u1	0.00
24) 2-Nitrophenol-d4	9.746	143	168843	34.774	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.287	165	303340	33.458	ng/u1	0.00
31) 4-Chloroaniline-d4	10.810	131	338298	27.352	ng/u1	0.00
46) Dimethylphthalate-d6	13.922	166	711325	30.380	ng/u1	0.00
49) Acenaphthylene-d8	14.198	160	844645	33.348	ng/u1	0.00
54) 4-Nitrophenol-d4	14.722	143	116374	27.415	ng/u1	0.00
60) Fluorene-d10	15.504	176	552527	28.149	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.669	200	134	0.025	ng/u1	0.05
73) Anthracene-d10	17.375	188	837716	23.462	ng/u1	0.02
81) Pyrene-d10	19.651	212	992064	311.433	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.733	264	1020132	33.241	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.276	88	44140	11.547	ng/uL#	86
5) Pyridine	3.687	79	313416	30.082	ng/u1	94
6) Benzaldehyde	6.993	77	260562	45.814	ng/u1	95
8) Phenol	7.052	94	434489	33.044	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.281	93	345680	32.269	ng/u1	100
12) 2-Chlorophenol	7.417	128	357955	34.588	ng/u1	99
13) 2-Methylphenol	8.311	108	314497	31.524	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.393	45	414309	30.287	ng/u1	98
16) Acetophenone	8.687	105	505477	31.456	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.675	70	257648	29.207	ng/u1	97
18) 4-Methylphenol	8.640	108	328893	30.435	ng/u1	98
19) Hexachloroethane	8.934	117	156750	36.165	ng/u1	100
22) Nitrobenzene	9.069	77	393859	36.765	ng/u1	99
23) Isophorone	9.593	82	678347	33.549	ng/u1	99
25) 2-Nitrophenol	9.775	139	188569	37.398	ng/u1	98
26) 2,4-Dimethylphenol	9.846	107	356437	35.697	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.081	93	418977	33.918	ng/u1	99
29) 2,4-Dichlorophenol	10.310	162	308152	35.222	ng/u1	100
30) Naphthalene	10.710	128	1043888	36.648	ng/u1	99
32) 4-Chloroaniline	10.834	127	321398	26.109	ng/u1	99
33) Hexachlorobutadiene	10.993	225	234957	38.325	ng/u1	99
34) Caprolactam	11.622	113	80794	29.553	ng/u1	96
35) 4-Chloro-3-methylphenol	11.963	107	284192	30.305	ng/u1	99
36) 2-Methylnaphthalene	12.328	142	650157	33.592	ng/u1	99

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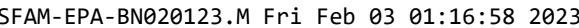
Instrument :
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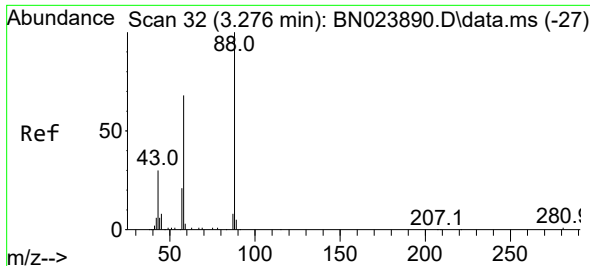
Quant Time: Feb 03 01:16:53 2023
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 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 02 02:10:45 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.546	142	648022	32.727	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.693	216	380354	37.746	ng/ul	99
40) Hexachlorocyclopentadiene	12.669	237	239055	32.951	ng/ul	99
41) 2,4,6-Trichlorophenol	12.940	196	240176	36.124	ng/ul	99
42) 2,4,5-Trichlorophenol	13.010	196	249345	34.624	ng/ul	99
43) 1,1'-Biphenyl	13.346	154	2490318	107.757	ng/ul	99
44) 2-Chloronaphthalene	13.381	162	622454	34.615	ng/ul	97
45) 2-Nitroaniline	13.593	65	177609	32.894	ng/ul	99
47) Dimethylphthalate	13.969	163	743212	31.984	ng/ul	100
48) 2,6-Dinitrotoluene	14.093	165	150092	32.579	ng/ul	98
50) Acenaphthylene	14.228	152	926771	34.068	ng/ul	100
51) 3-Nitroaniline	14.422	138	140174	33.801	ng/ul	94
52) Acenaphthene	14.569	153	686142	36.334	ng/ul	100
53) 2,4-Dinitrophenol	14.675	184	76300	23.559	ng/ul	98
55) 4-Nitrophenol	14.740	109	108259	29.999	ng/ul	98
56) Dibenzofuran	14.904	168	876995	32.554	ng/ul	98
57) 2,4-Dinitrotoluene	14.934	165	203272	31.186	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.134	232	199866	31.120	ng/ul#	97
59) Diethylphthalate	15.387	149	690250	29.895	ng/ul	97
61) Fluorene	15.563	166	2941125	133.498	ng/ul#	43
62) 4-Chlorophenyl-phenyle...	15.563	204	309549	26.783	ng/ul#	77
63) 4-Nitroaniline	15.657	138	110221	29.284	ng/ul	96
68) 4-Bromophenyl-phenylether	16.475	248	220646	24.564	ng/ul	96
69) Hexachlorobenzene	16.598	284	248954	23.990	ng/ul	92
70) Atrazine	16.734	200	212396	23.870	ng/ul	96
71) Pentachlorophenol	16.922	266	157681	23.732	ng/ul	99
72) Phenanthrene	17.316	178	1001895	24.256	ng/ul	99
74) Anthracene	17.410	178	1011064	24.559	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.304	216	360740	30.572	ng/uL	97
76) Pentachlorobenzene	14.822	250	326271	27.727	ng/uL	97
77) Carbazole	17.675	167	902809	25.025	ng/ul	100
78) Di-n-butylphthalate	18.234	149	1133731	14.662	ng/ul	100
80) Fluoranthene	19.322	202	1188150	319.501	ng/ul	98
82) Pyrene	19.681	202	1243127	328.650	ng/ul	100
83) Butylbenzylphthalate	20.581	149	530834	336.497	ng/ul	97
85) Benzo(a)anthracene	21.433	228	183339	50.424	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.386	149	18101410	7777.846	ng/ul#	88
87) Chrysene	21.486	228	67353	20.075	ng/ul	93
89) Di-n-octyl phthalate	22.310	149	1578905	35.500	ng/ul	100
90) Benzo(b)fluoranthene	23.163	252	1404212	34.434	ng/ul	97
91) Benzo(k)fluoranthene	23.163	252	1404212	36.464	ng/ul	98
93) Benzo(a)pyrene	23.780	252	1194230	34.808	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	26.363	276	1595801	38.546	ng/ul	95
95) Dibenzo(a,h)anthracene	26.380	278	1347012	39.340	ng/ul	100
96) Benzo(g,h,i)perylene	27.133	276	1295847	39.751	ng/ul	99

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

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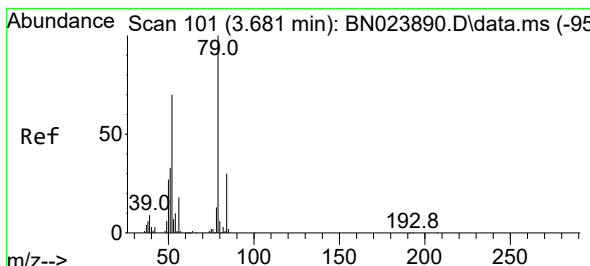
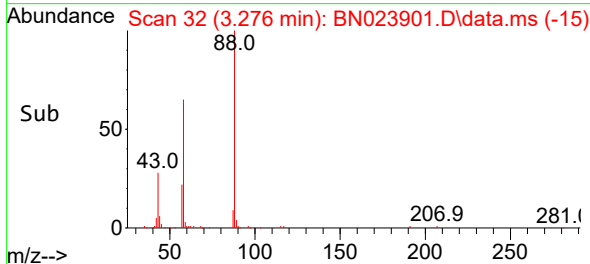
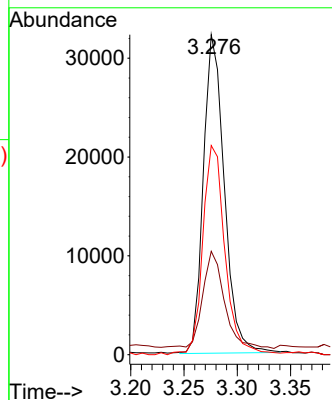
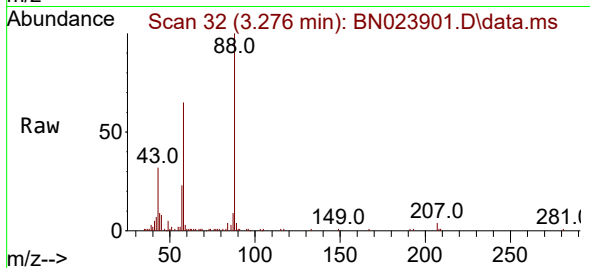




#2
1,4-Dioxane
Concen: 11.547 ng/uL
RT: 3.276 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN023901.D
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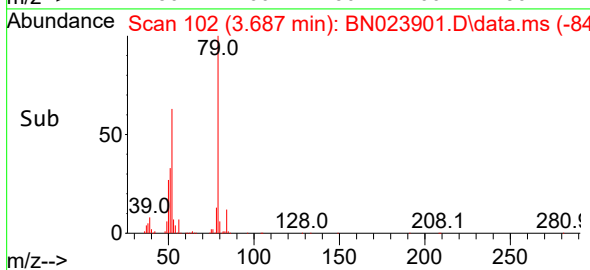
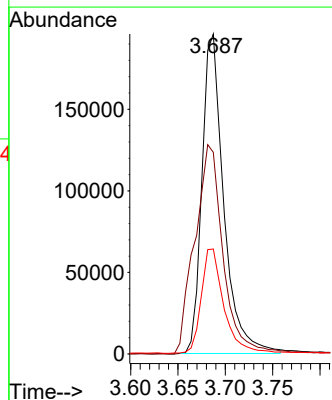
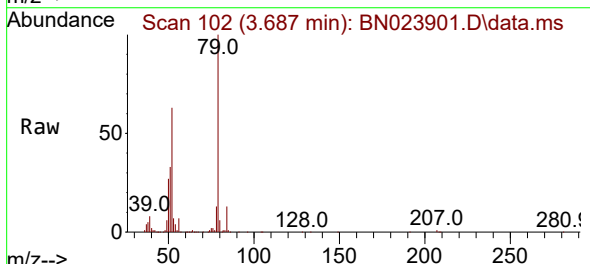
Instrument :
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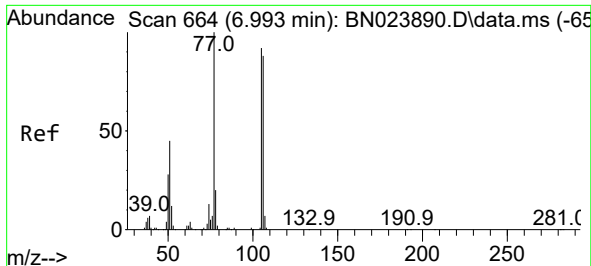
Tgt Ion: 88 Resp: 44140
Ion Ratio Lower Upper
88 100
43 32.3 42.1 63.1#
58 65.4 53.8 80.6



#5
Pyridine
Concen: 30.082 ng/uL
RT: 3.687 min Scan# 102
Delta R.T. 0.006 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion: 79 Resp: 313416
Ion Ratio Lower Upper
79 100
52 63.0 56.4 84.6
51 32.8 26.6 39.8

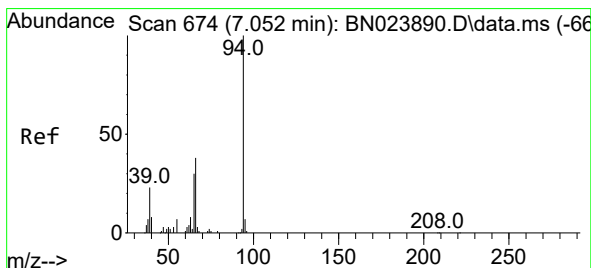
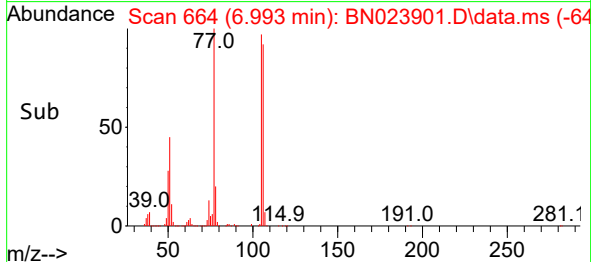
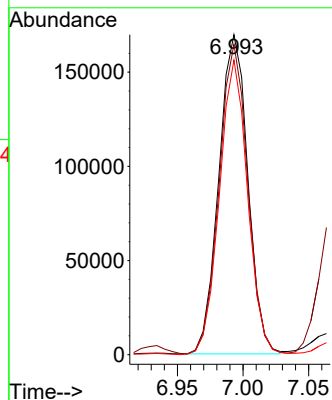
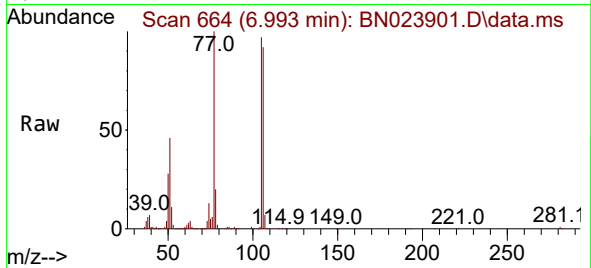




#6
Benzaldehyde
Concen: 45.814 ng/ul
RT: 6.993 min Scan# 664
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

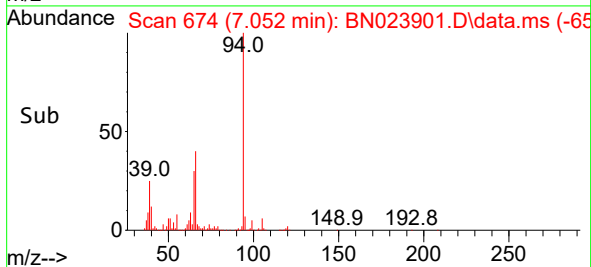
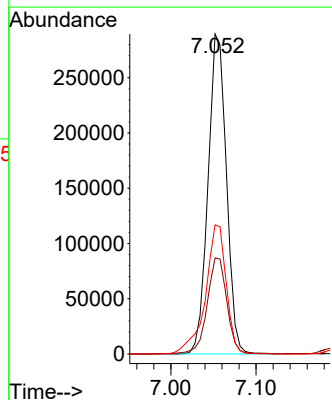
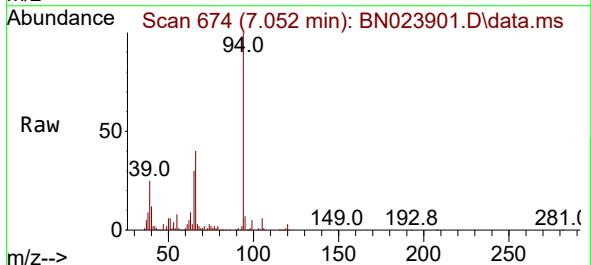
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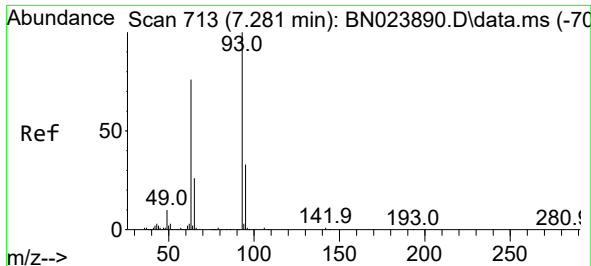
Tgt Ion: 77 Resp: 260562
Ion Ratio Lower Upper
77 100
105 97.0 73.6 110.4
106 92.1 70.2 105.4



#8
Phenol
Concen: 33.044 ng/ul
RT: 7.052 min Scan# 674
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion: 94 Resp: 434489
Ion Ratio Lower Upper
94 100
65 30.0 24.1 36.1
66 40.3 32.4 48.6

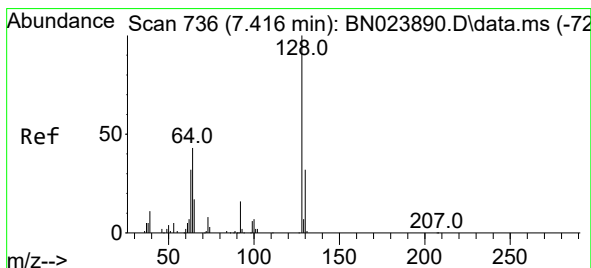
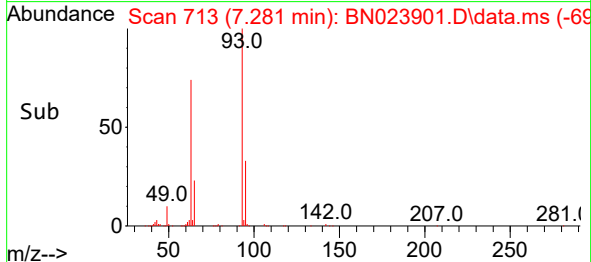
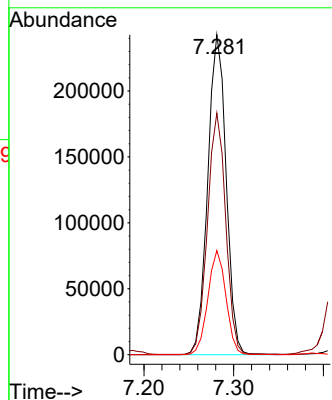
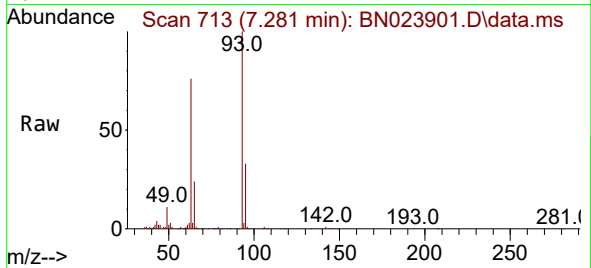




#10
Bis(2-Chloroethyl)ether
Concen: 32.269 ng/ul
RT: 7.281 min Scan# 713
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

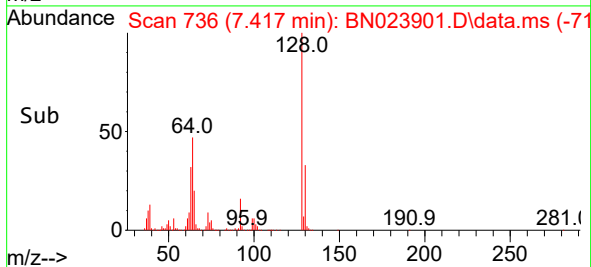
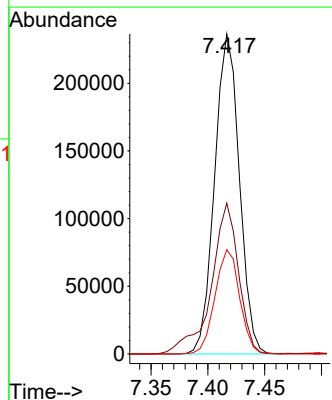
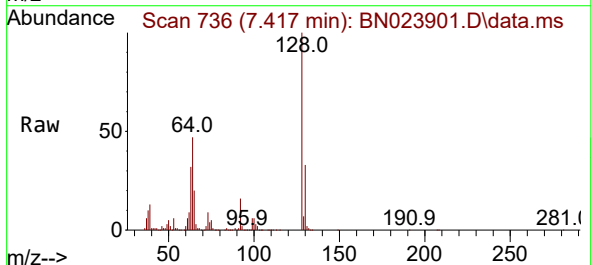
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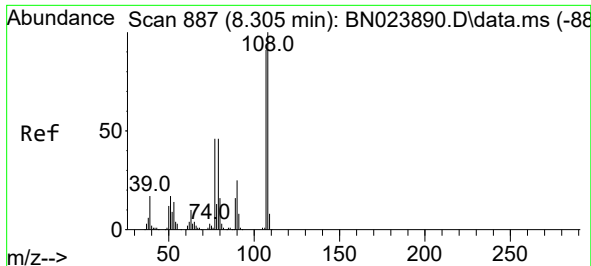
Tgt Ion: 93 Resp: 345680
Ion Ratio Lower Upper
93 100
63 75.5 60.6 91.0
95 32.5 26.2 39.4



#12
2-Chlorophenol
Concen: 34.588 ng/ul
RT: 7.417 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:128 Resp: 357955
Ion Ratio Lower Upper
128 100
64 47.1 38.4 57.6
130 32.6 25.6 38.4





#13

2-Methylphenol

Concen: 31.524 ng/ul

RT: 8.311 min Scan# 887

Delta R.T. 0.006 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

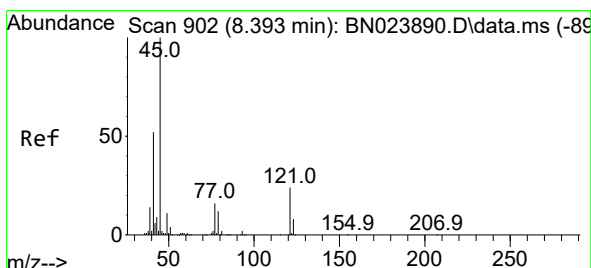
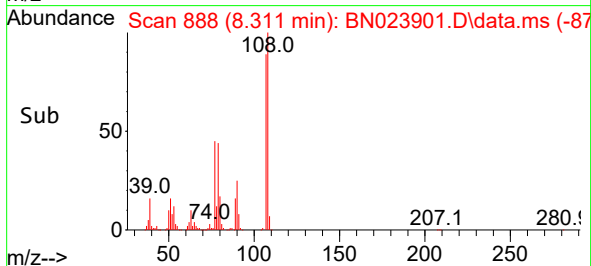
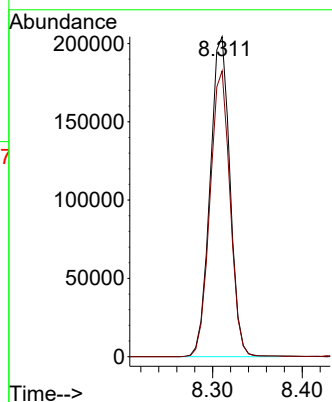
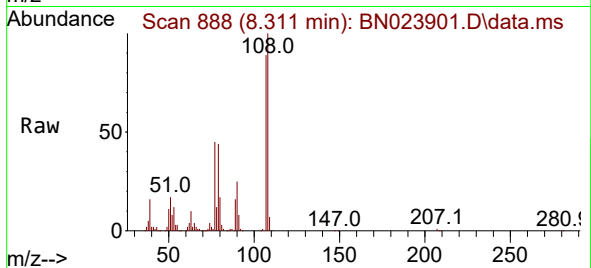
A4488MS

Tgt Ion:108 Resp: 314497

Ion Ratio Lower Upper

108 100

107 89.3 72.6 109.0



#14

2,2'-oxybis(1-Chloropropane)

Concen: 30.287 ng/ul

RT: 8.393 min Scan# 902

Delta R.T. 0.000 min

Lab File: BN023901.D

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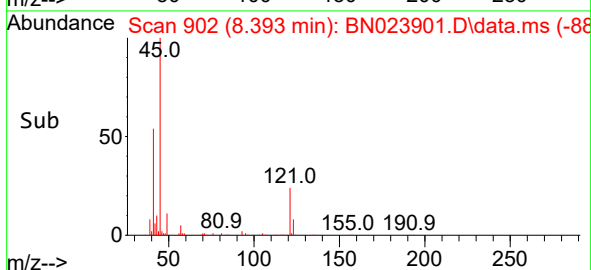
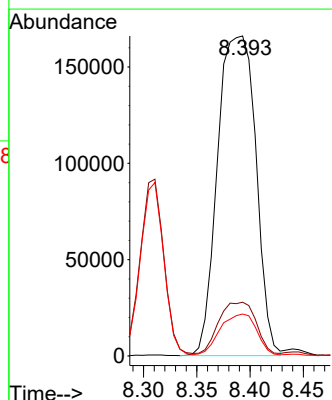
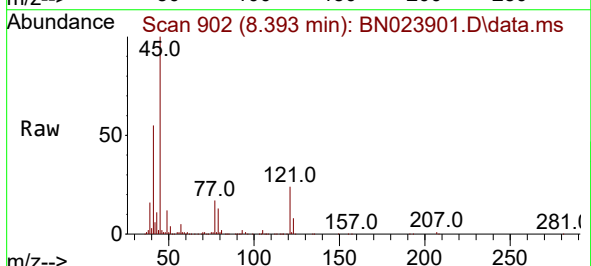
Tgt Ion: 45 Resp: 414309

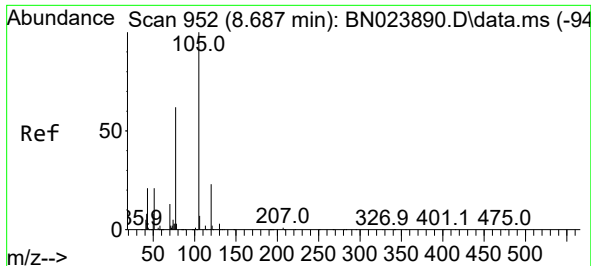
Ion Ratio Lower Upper

45 100

77 16.8 12.7 19.1

79 13.1 9.8 14.8

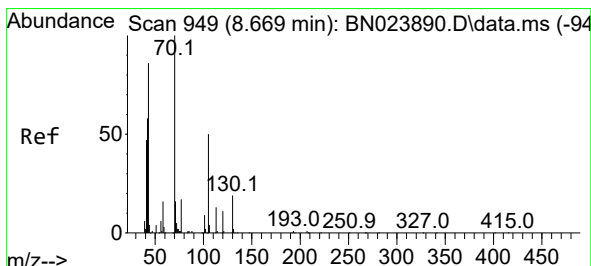
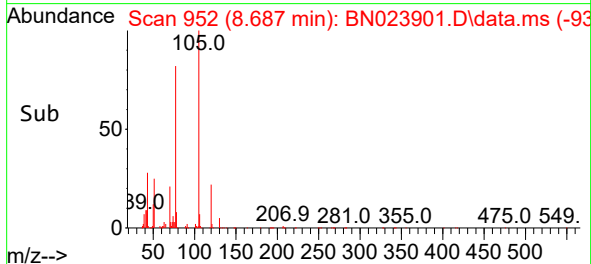
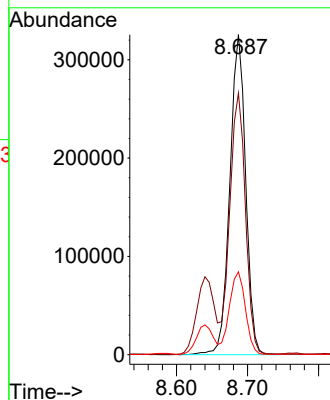
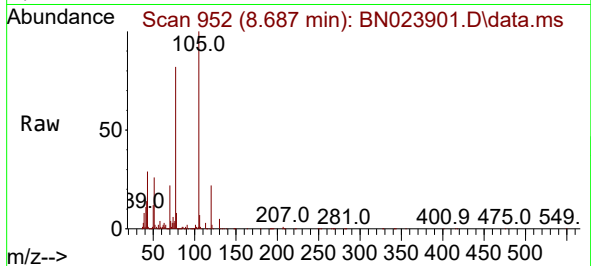




#16
Acetophenone
Concen: 31.456 ng/ul
RT: 8.687 min Scan# 91
Delta R.T. 0.000 min
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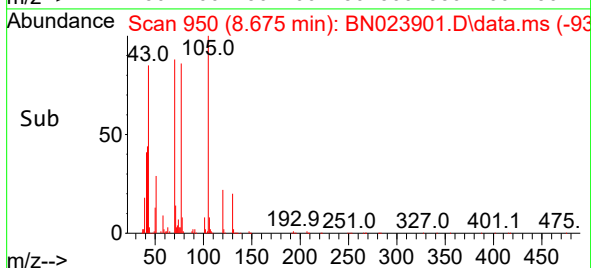
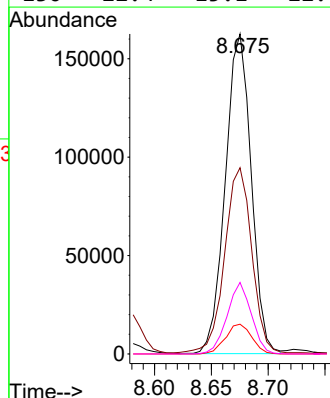
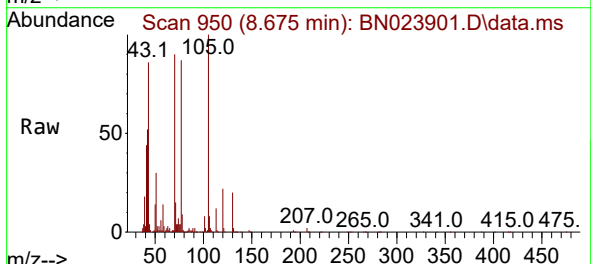
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ClientSampleId :
A4488MS

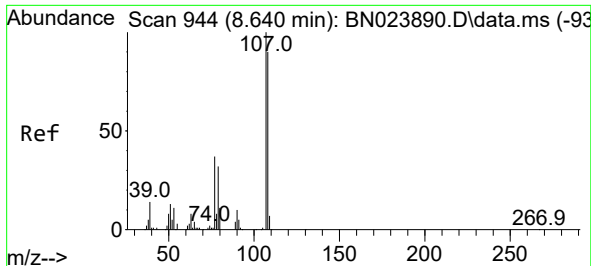
Tgt Ion:105 Resp: 505477
Ion Ratio Lower Upper
105 100
77 81.8 64.7 97.1
51 25.9 21.7 32.5



#17
N-Nitroso-di-n-propylamine
Concen: 29.207 ng/ul
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion: 70 Resp: 257648
Ion Ratio Lower Upper
70 100
42 58.2 47.6 71.4
101 9.3 7.4 11.0
130 22.4 15.1 22.7

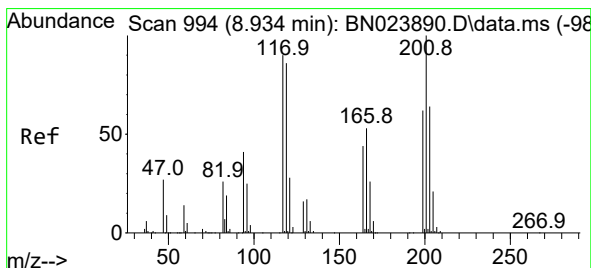
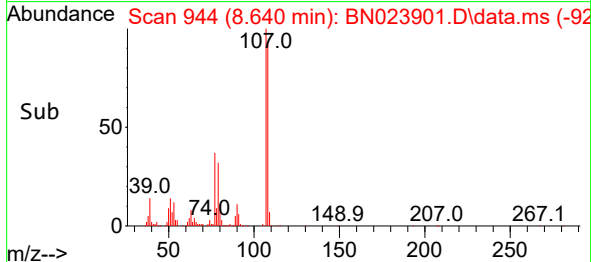
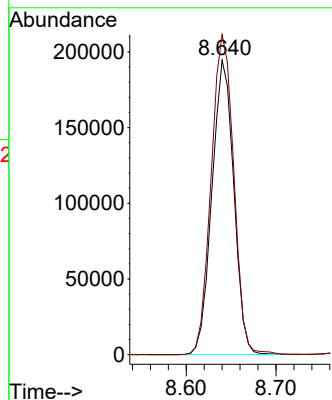
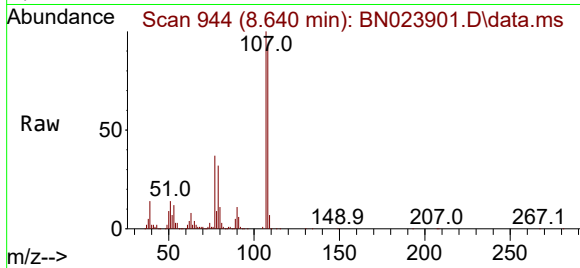




#18
4-Methylphenol
Concen: 30.435 ng/ul
RT: 8.640 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

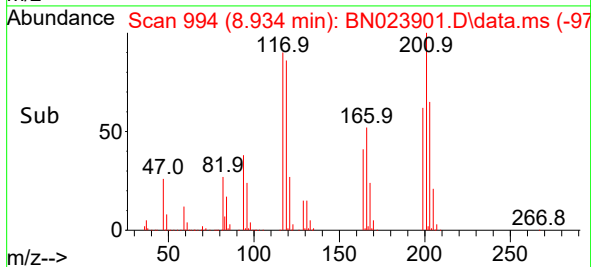
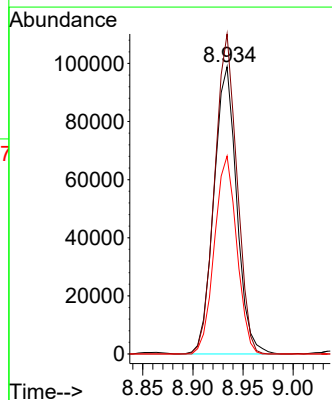
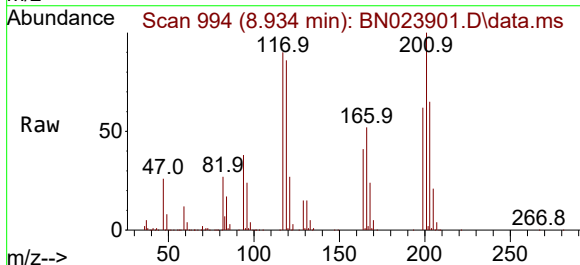
Instrument :
BNA_N
ClientSampleId :
A4488MS

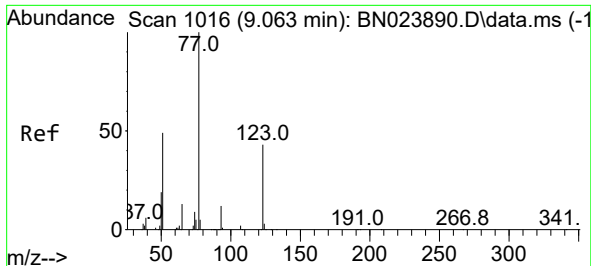
Tgt Ion:108 Resp: 328893
Ion Ratio Lower Upper
108 100
107 108.7 88.9 133.3



#19
Hexachloroethane
Concen: 36.165 ng/ul
RT: 8.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:117 Resp: 156750
Ion Ratio Lower Upper
117 100
201 111.4 88.8 133.2
199 68.9 55.0 82.4

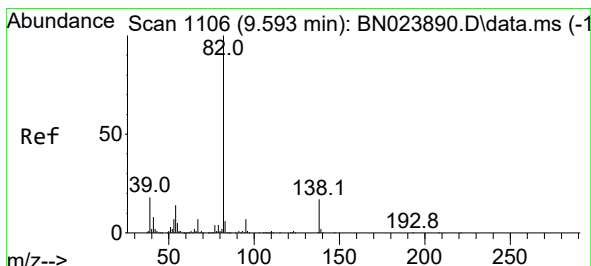
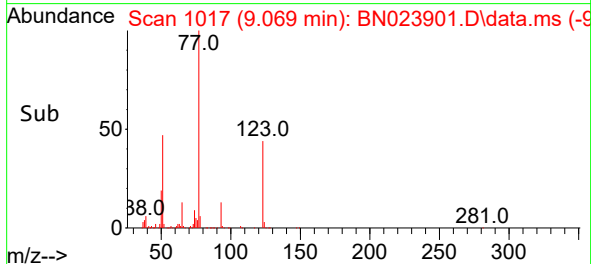
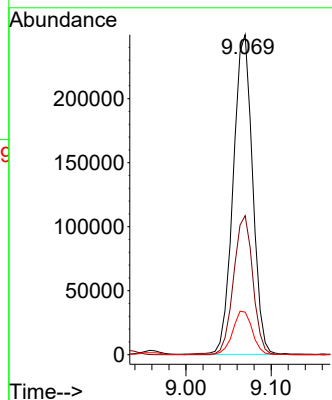
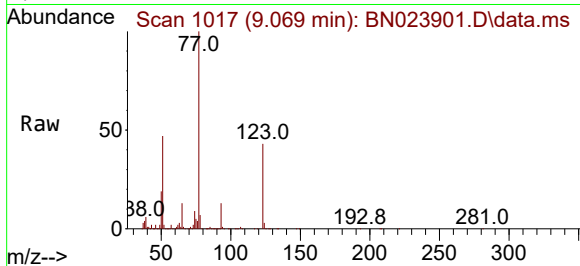




#22
Nitrobenzene
Concen: 36.765 ng/ul
RT: 9.069 min Scan# 1016
Delta R.T. 0.006 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

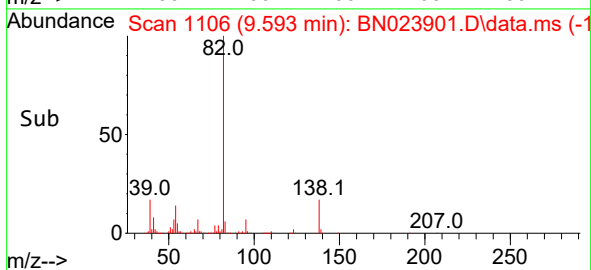
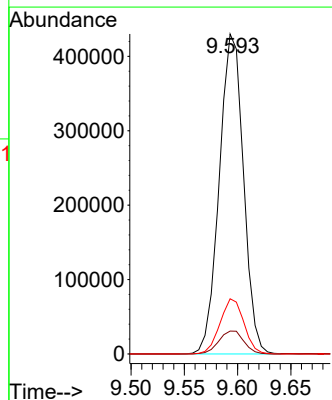
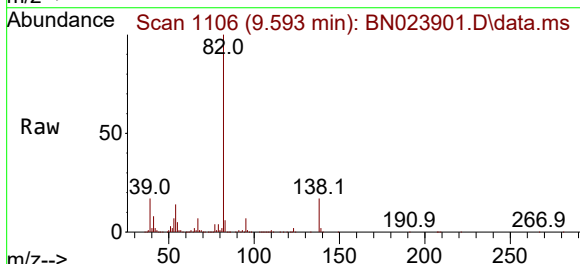
Instrument :
BNA_N
ClientSampleId :
A4488MS

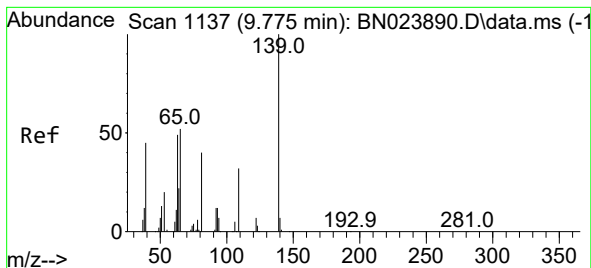
Tgt Ion: 77 Resp: 393859
Ion Ratio Lower Upper
77 100
123 43.4 34.2 51.2
65 13.3 10.9 16.3



#23
Isophorone
Concen: 33.549 ng/ul
RT: 9.593 min Scan# 1106
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion: 82 Resp: 678347
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.3 13.4 20.2





#25

2-Nitrophenol

Concen: 37.398 ng/ul

RT: 9.775 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

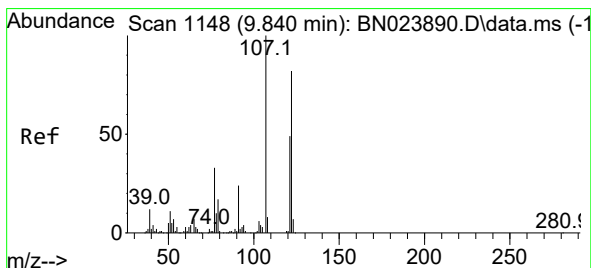
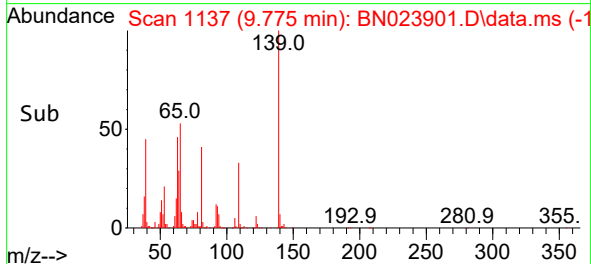
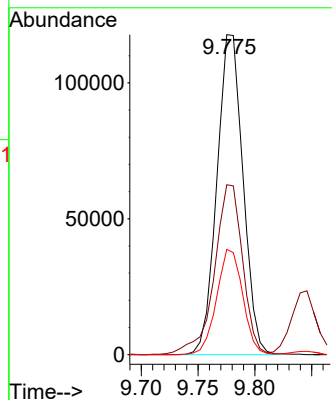
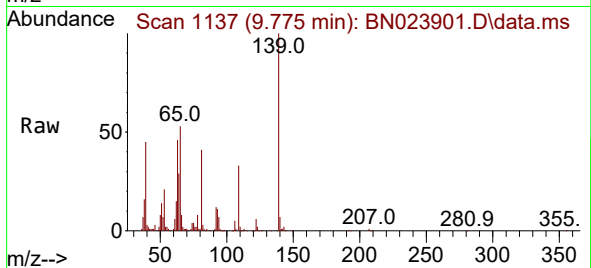
Tgt Ion:139 Resp: 188569

Ion Ratio Lower Upper

139 100

65 53.1 44.5 66.7

109 32.9 26.0 39.0



#26

2,4-Dimethylphenol

Concen: 35.697 ng/ul

RT: 9.846 min Scan# 1149

Delta R.T. 0.006 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

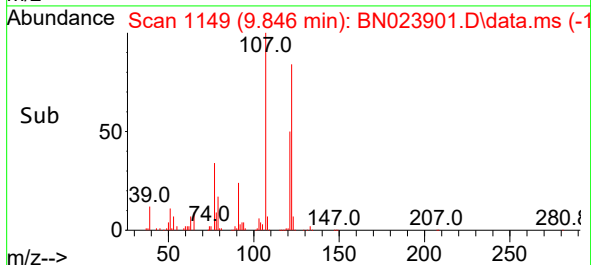
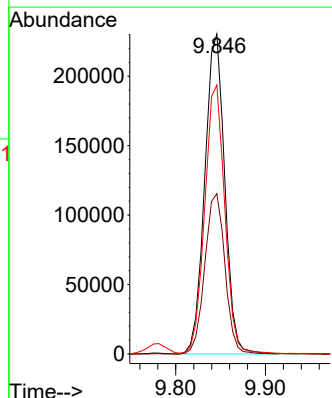
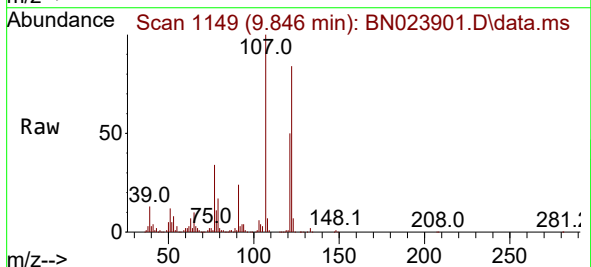
Tgt Ion:107 Resp: 356437

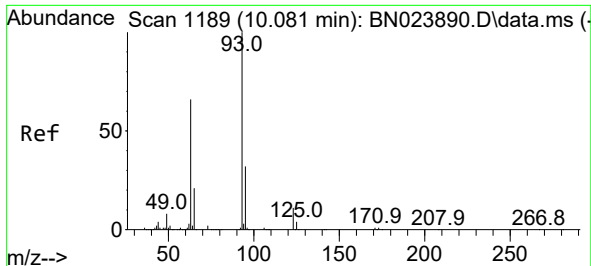
Ion Ratio Lower Upper

107 100

121 50.1 39.4 59.2

122 84.0 65.8 98.6

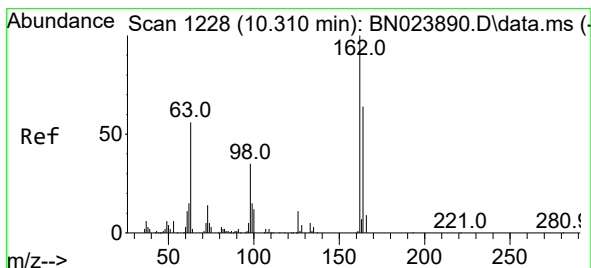
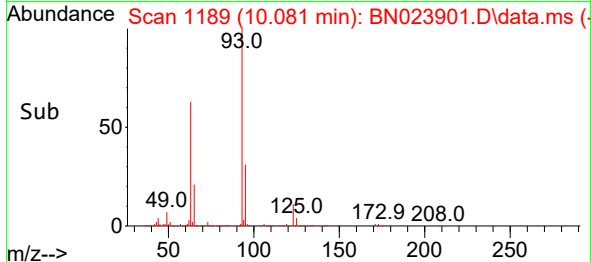
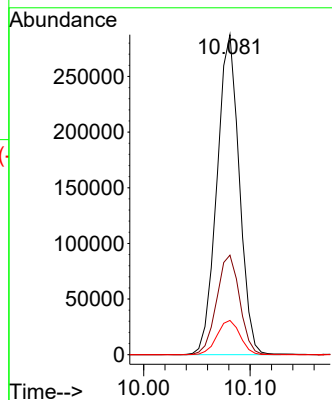
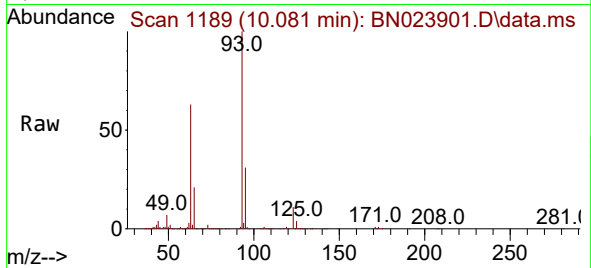




#27
 Bis(2-Chloroethoxy)methane
 Concen: 33.918 ng/ul
 RT: 10.081 min Scan# 1189
 Delta R.T. 0.000 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

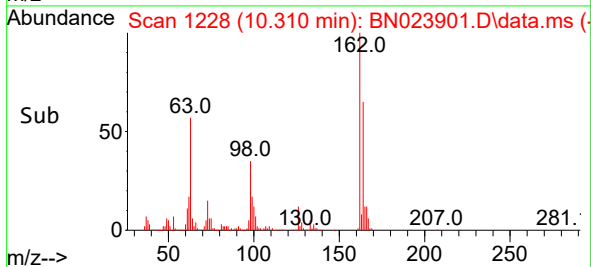
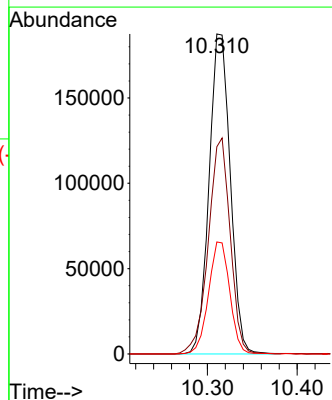
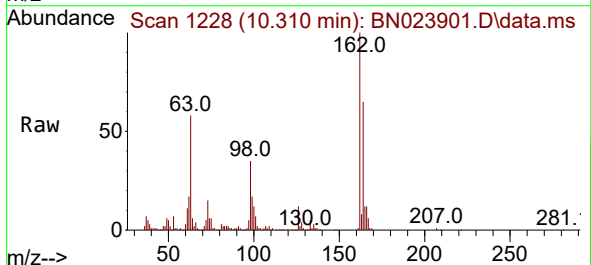
Instrument :
 BNA_N
 ClientSampleId :
 A4488MS

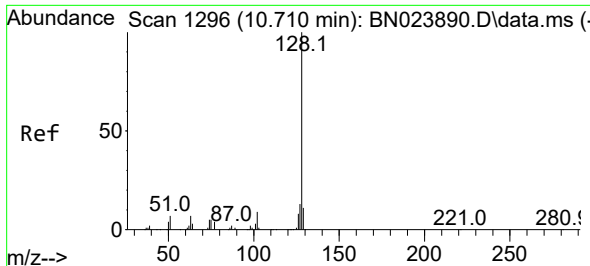
Tgt Ion: 93 Resp: 418977
 Ion Ratio Lower Upper
 93 100
 95 31.1 25.4 38.2
 123 10.7 8.8 13.2



#29
 2,4-Dichlorophenol
 Concen: 35.222 ng/ul
 RT: 10.310 min Scan# 1228
 Delta R.T. 0.000 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

Tgt Ion: 162 Resp: 308152
 Ion Ratio Lower Upper
 162 100
 164 64.7 51.4 77.0
 98 35.0 28.0 42.0

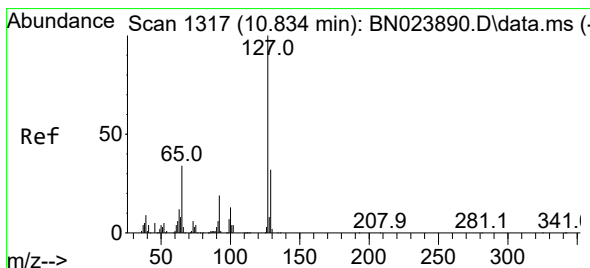
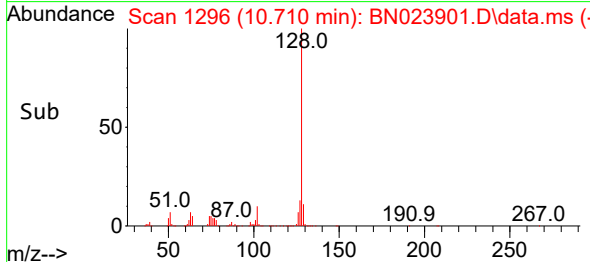
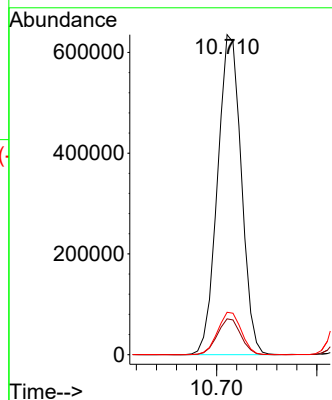
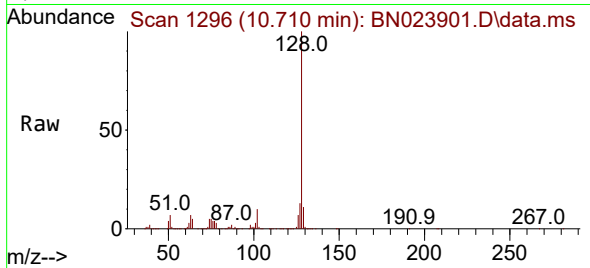




#30
Naphthalene
Concen: 36.648 ng/ul
RT: 10.710 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

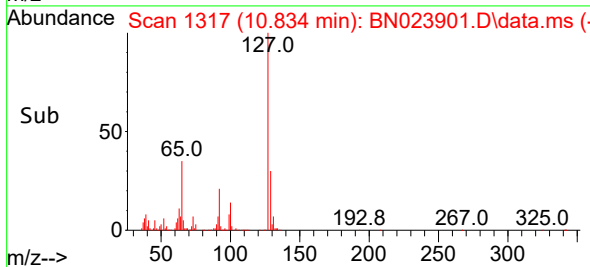
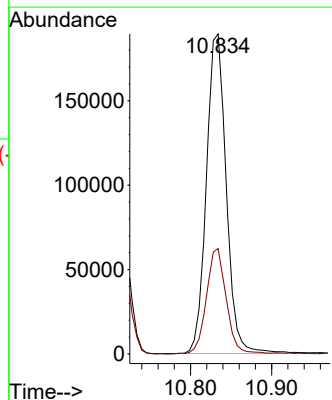
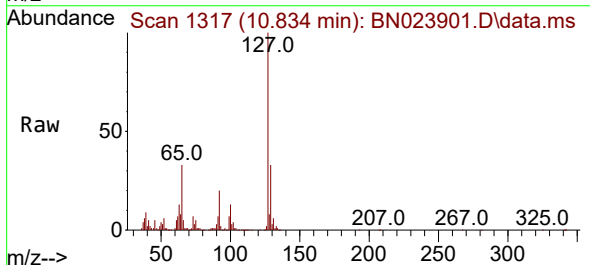
Instrument :
BNA_N
ClientSampleId :
A4488MS

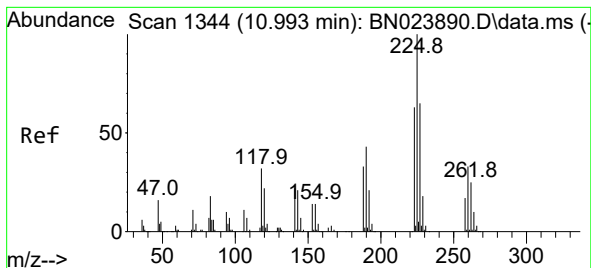
Tgt Ion:128 Resp: 1043888
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 13.2 10.3 15.5



#32
4-Chloroaniline
Concen: 26.109 ng/ul
RT: 10.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:127 Resp: 321398
Ion Ratio Lower Upper
127 100
129 32.9 25.9 38.9





#33

Hexachlorobutadiene

Concen: 38.325 ng/ul

RT: 10.993 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

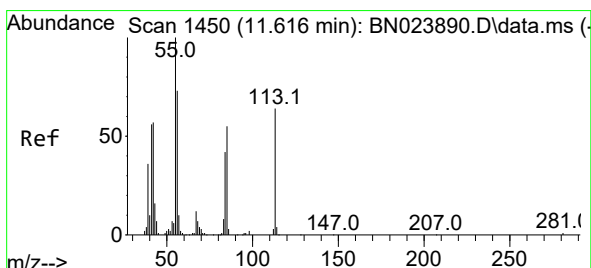
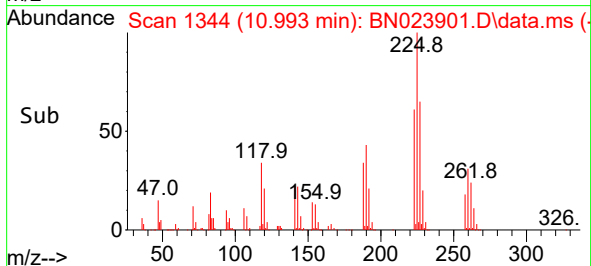
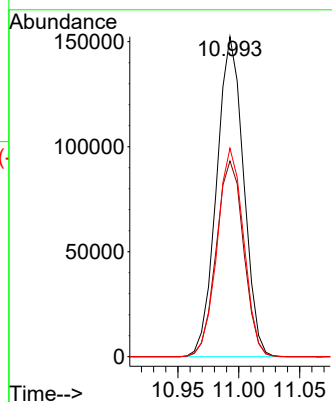
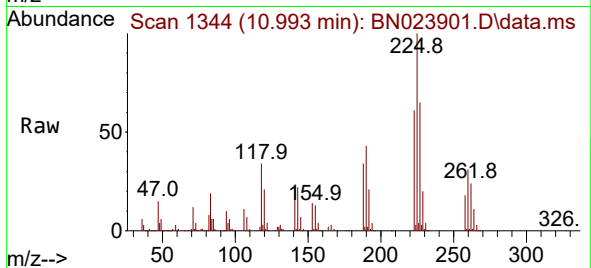
Tgt Ion:225 Resp: 234957

Ion Ratio Lower Upper

225 100

223 61.2 50.2 75.4

227 65.1 52.2 78.2



#34

Caprolactam

Concen: 29.553 ng/ul

RT: 11.622 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

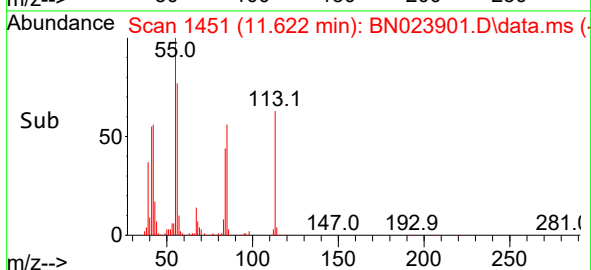
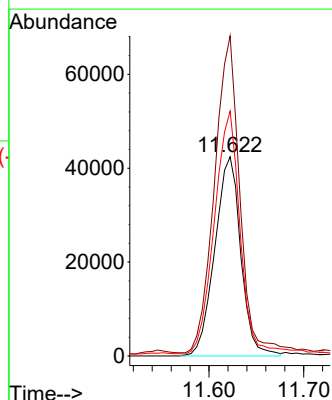
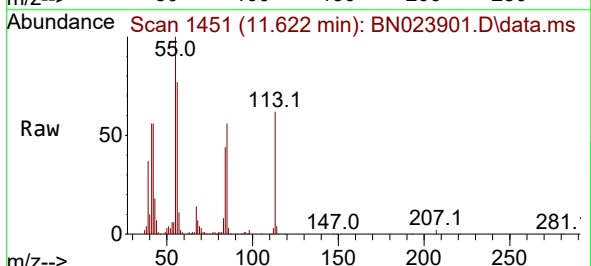
Tgt Ion:113 Resp: 80794

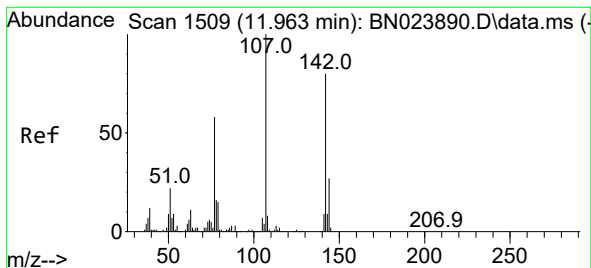
Ion Ratio Lower Upper

113 100

55 160.6 125.6 188.4

56 123.0 94.1 141.1

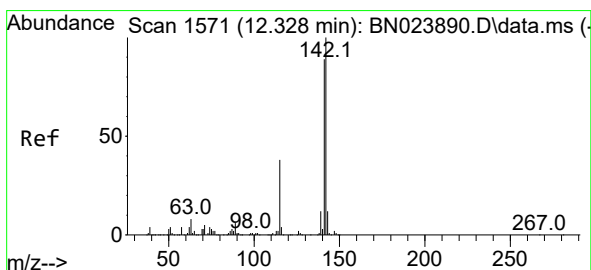
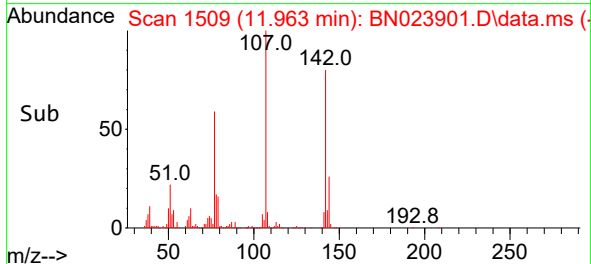
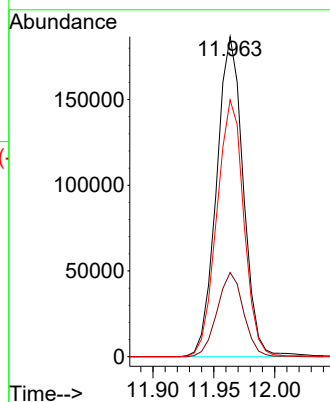
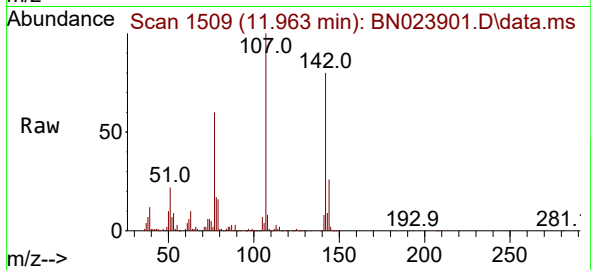




#35
4-Chloro-3-methylphenol
Concen: 30.305 ng/ul
RT: 11.963 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

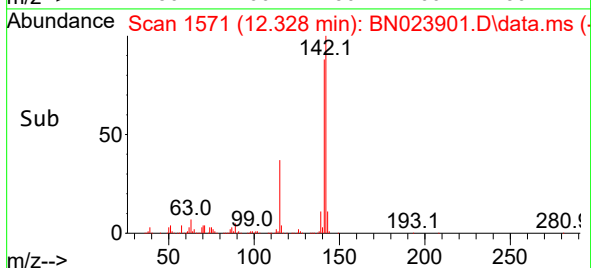
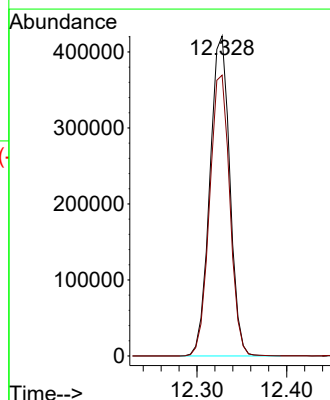
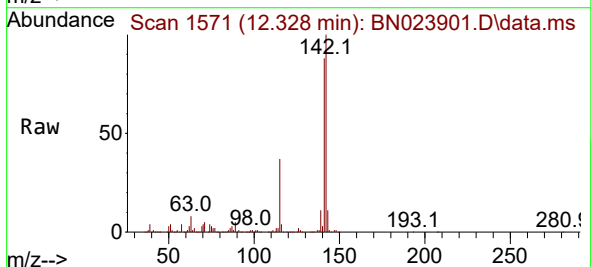
Instrument :
BNA_N
ClientSampleId :
A4488MS

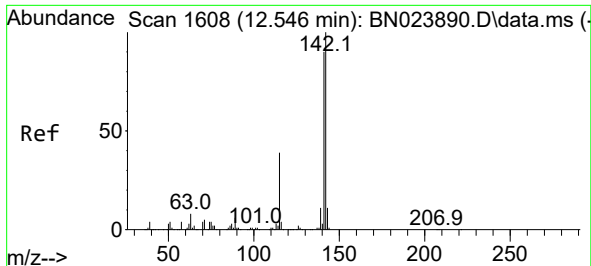
Tgt Ion:107 Resp: 284192
Ion Ratio Lower Upper
107 100
144 26.3 21.7 32.5
142 80.3 63.7 95.5



#36
2-Methylnaphthalene
Concen: 33.592 ng/ul
RT: 12.328 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:142 Resp: 650157
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9





#37

1-Methylnaphthalene

Concen: 32.727 ng/ul

RT: 12.546 min Scan# 1608

Delta R.T. 0.000 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

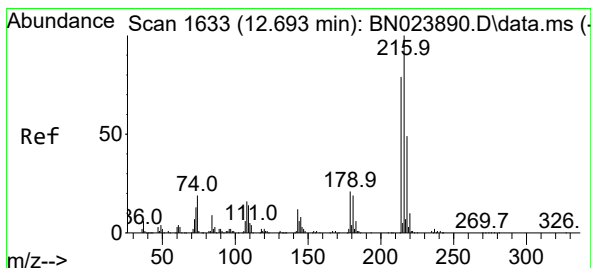
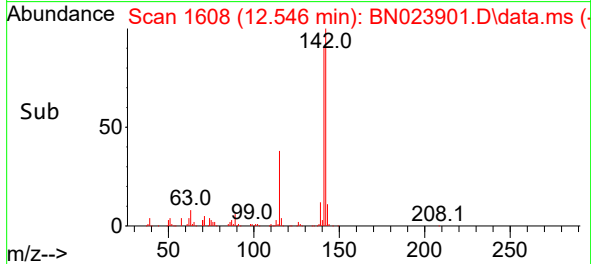
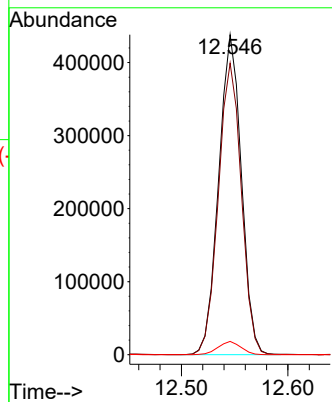
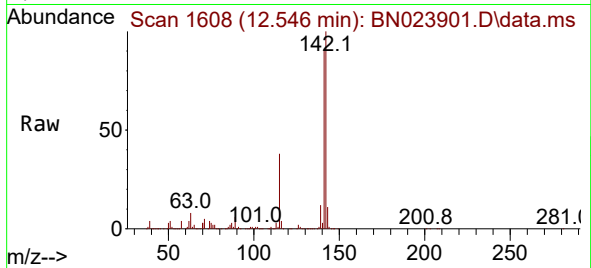
Tgt Ion:142 Resp: 648022

Ion Ratio Lower Upper

142 100

141 91.1 72.2 108.2

116 4.1 3.1 4.7



#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.746 ng/ul

RT: 12.693 min Scan# 1633

Delta R.T. 0.000 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Tgt Ion:216 Resp: 380354

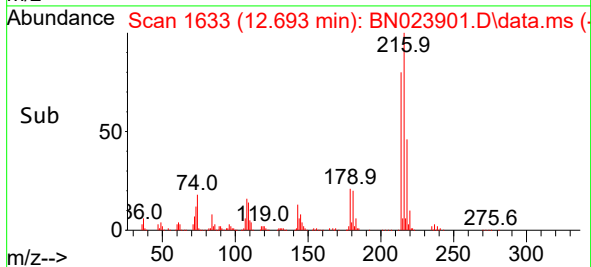
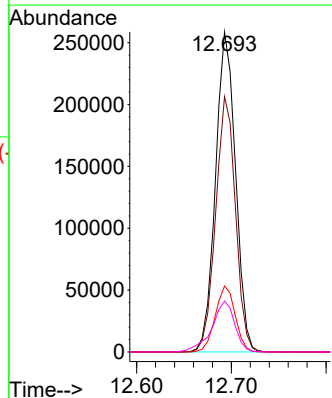
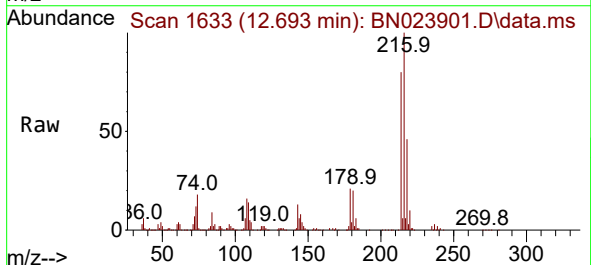
Ion Ratio Lower Upper

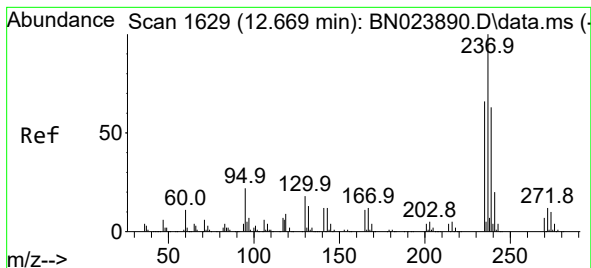
216 100

214 79.8 63.0 94.4

179 20.6 16.5 24.7

108 15.9 13.3 19.9

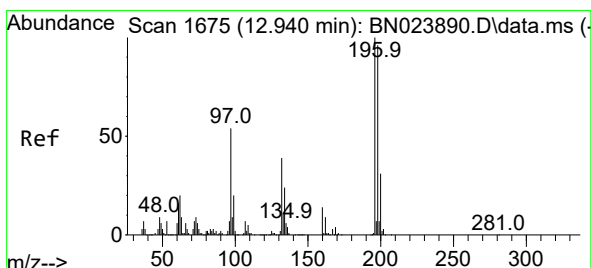
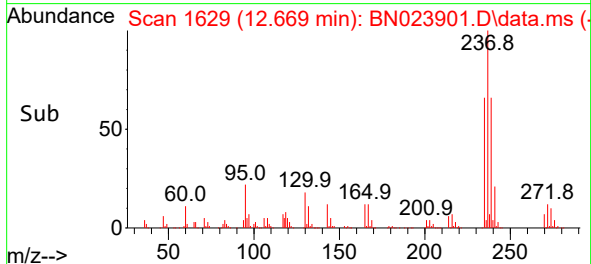
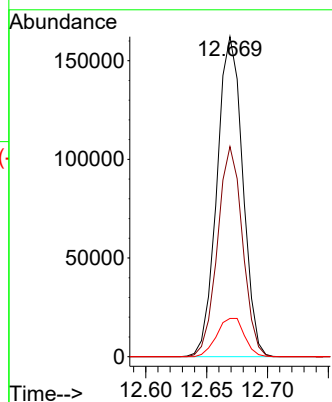
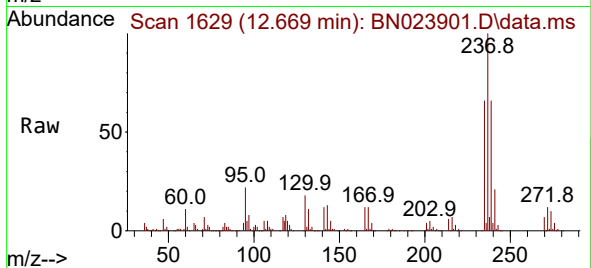




#40
Hexachlorocyclopentadiene
Concen: 32.951 ng/ul
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

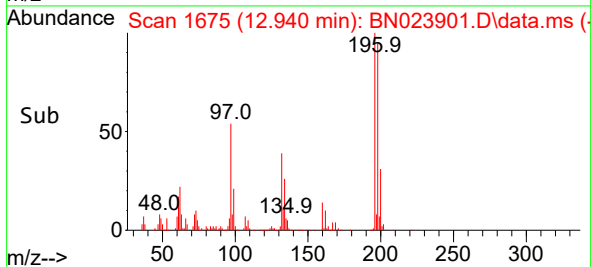
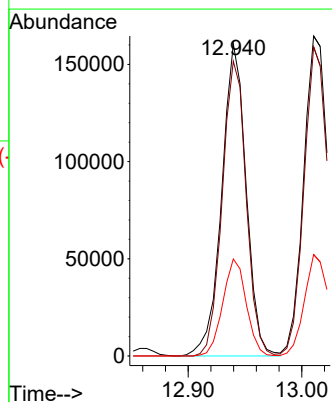
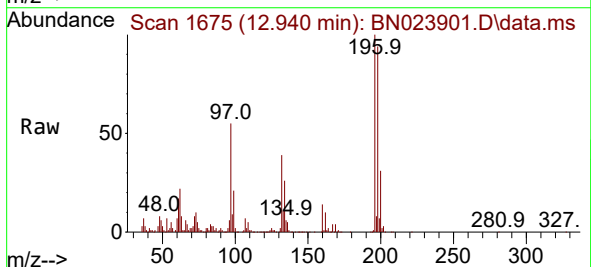
Instrument :
BNA_N
ClientSampleId :
A4488MS

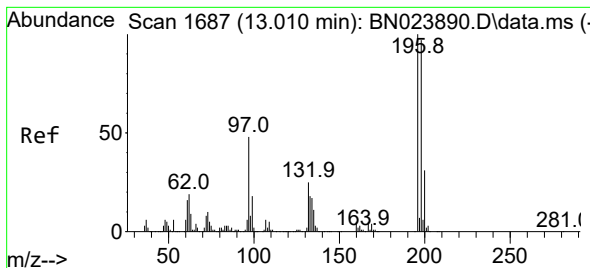
Tgt Ion:237 Resp: 239055
Ion Ratio Lower Upper
237 100
235 65.7 53.0 79.4
272 11.9 10.1 15.1



#41
2,4,6-Trichlorophenol
Concen: 36.124 ng/ul
RT: 12.940 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:196 Resp: 240176
Ion Ratio Lower Upper
196 100
198 94.5 76.8 115.2
200 31.1 25.0 37.6





#42

2,4,5-Trichlorophenol

Concen: 34.624 ng/ul

RT: 13.010 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

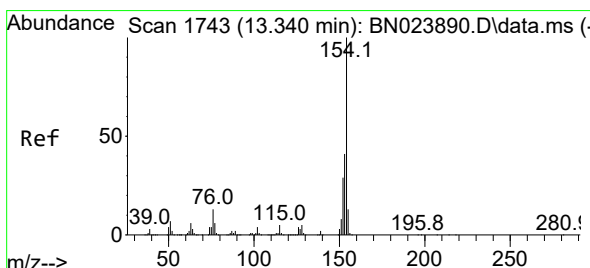
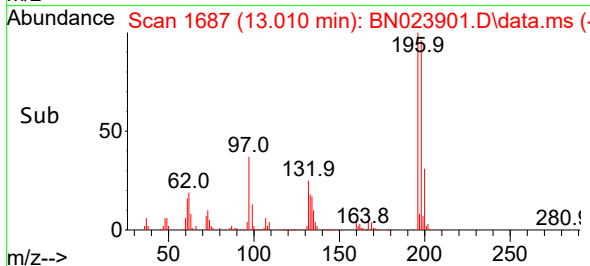
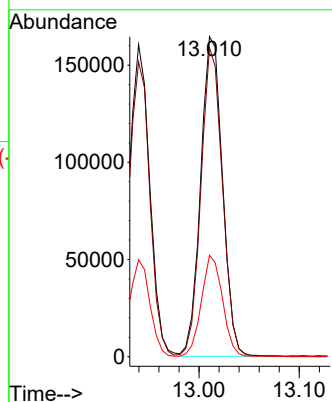
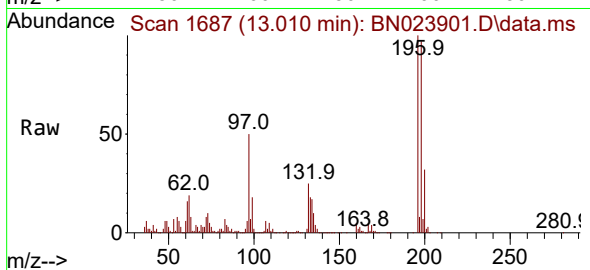
Tgt Ion:196 Resp: 249345

Ion Ratio Lower Upper

196 100

198 96.6 77.6 116.4

200 31.7 24.6 37.0



#43

1,1'-Biphenyl

Concen: 107.757 ng/ul

RT: 13.346 min Scan# 1744

Delta R.T. 0.006 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

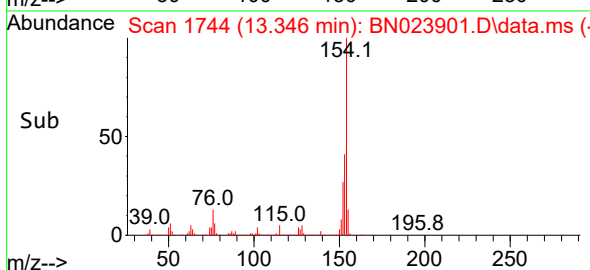
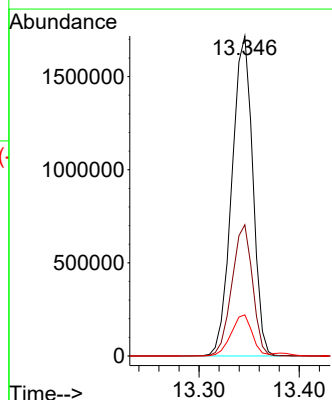
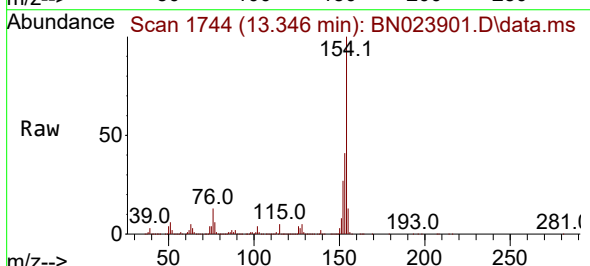
Tgt Ion:154 Resp: 2490318

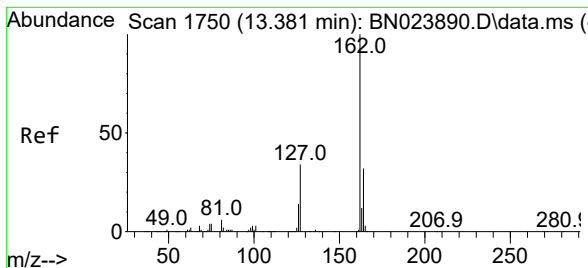
Ion Ratio Lower Upper

154 100

153 41.0 32.6 48.8

76 12.8 10.7 16.1

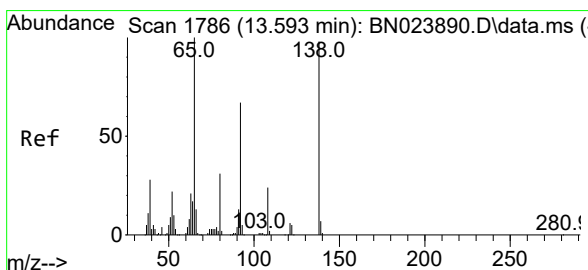
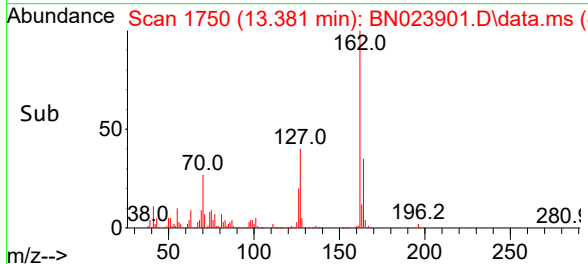
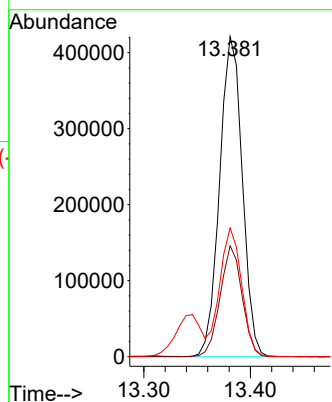
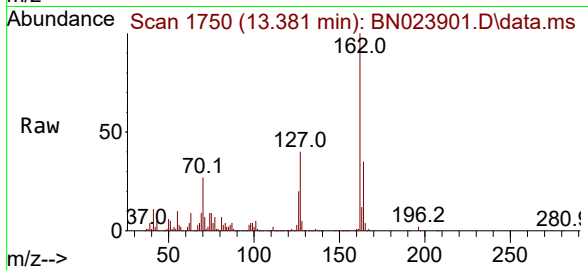




#44
2-Chloronaphthalene
Concen: 34.615 ng/ul
RT: 13.381 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

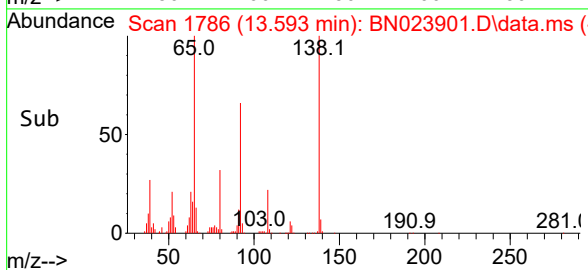
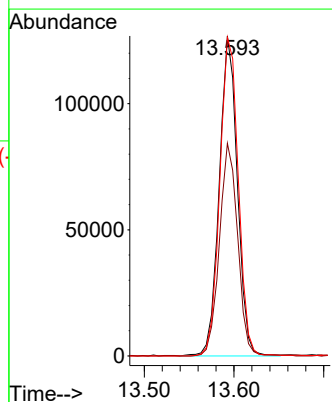
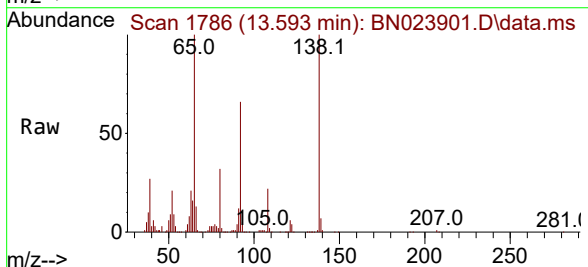
Instrument :
BNA_N
ClientSampleId :
A4488MS

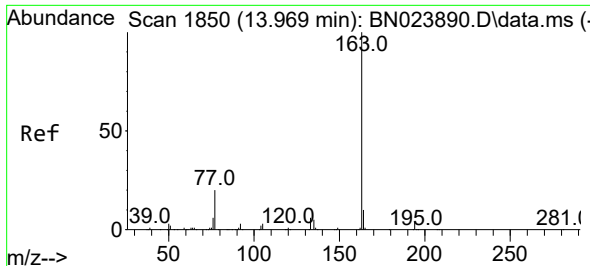
Tgt Ion:162 Resp: 622454
Ion Ratio Lower Upper
162 100
164 34.6 25.9 38.9
127 40.2 30.7 46.1



#45
2-Nitroaniline
Concen: 32.894 ng/ul
RT: 13.593 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion: 65 Resp: 177609
Ion Ratio Lower Upper
65 100
92 66.4 53.2 79.8
138 99.6 78.3 117.5

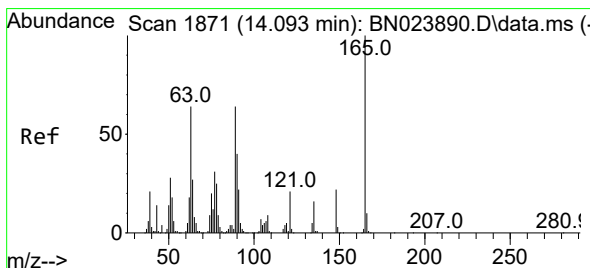
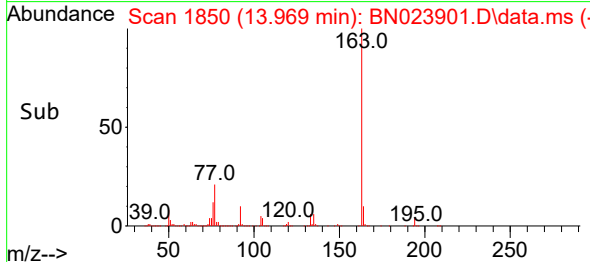
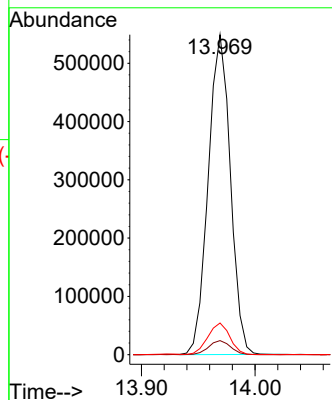
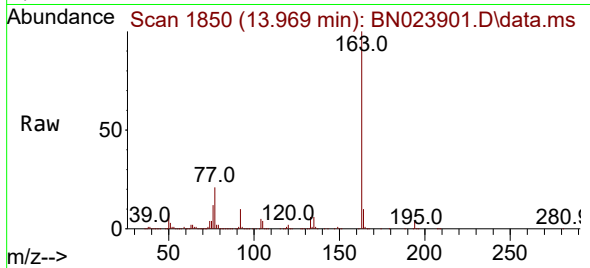




#47
Dimethylphthalate
Concen: 31.984 ng/ul
RT: 13.969 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

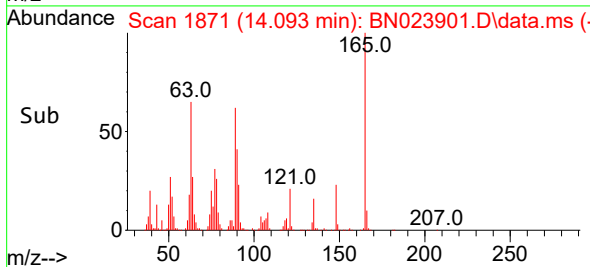
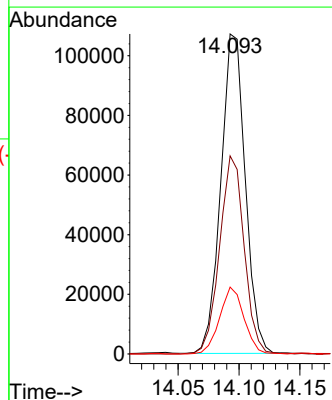
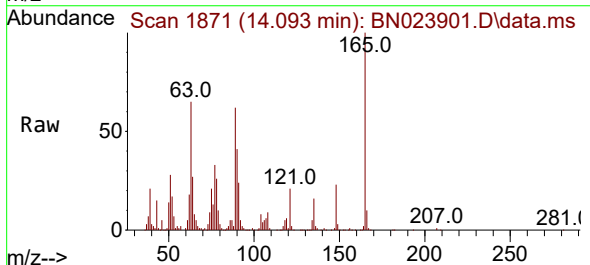
Instrument :
BNA_N
ClientSampleId :
A4488MS

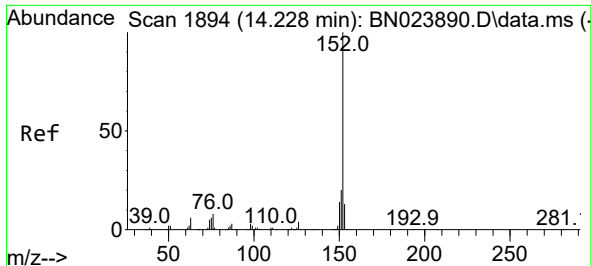
Tgt Ion:163 Resp: 743212
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 9.9 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 32.579 ng/ul
RT: 14.093 min Scan# 1871
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:165 Resp: 150092
Ion Ratio Lower Upper
165 100
89 61.9 50.8 76.2
121 20.9 16.8 25.2

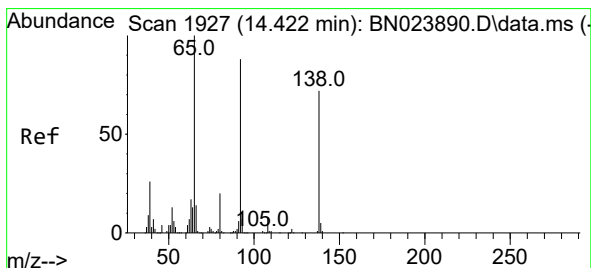
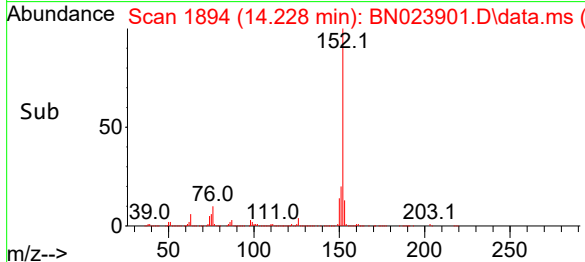
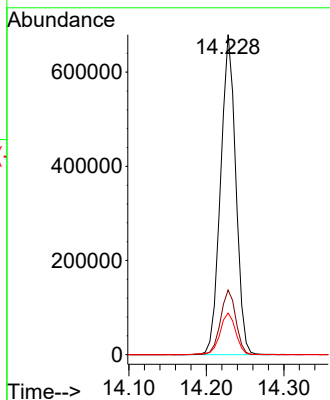
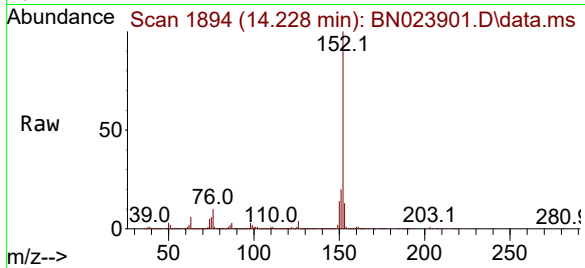




#50
Acenaphthylene
Concen: 34.068 ng/ul
RT: 14.228 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

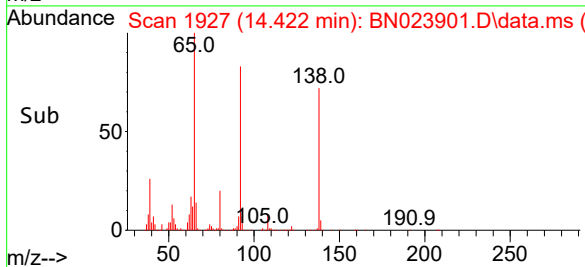
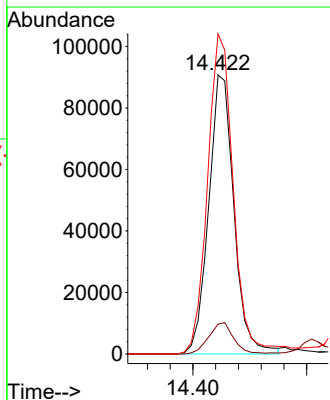
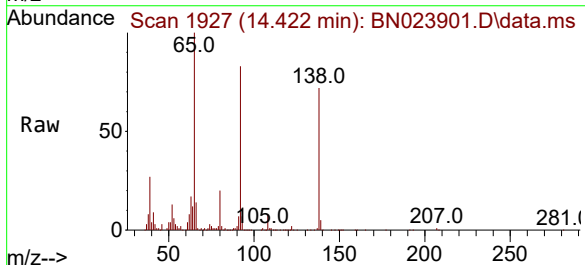
Instrument :
BNA_N
ClientSampleId :
A4488MS

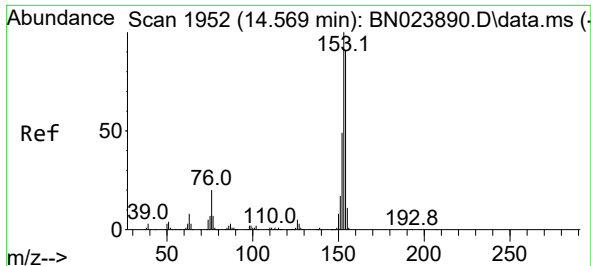
Tgt Ion:152 Resp: 926771
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.0 10.3 15.5



#51
3-Nitroaniline
Concen: 33.801 ng/ul
RT: 14.422 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:138 Resp: 140174
Ion Ratio Lower Upper
138 100
108 10.7 9.1 13.7
92 114.7 97.6 146.4

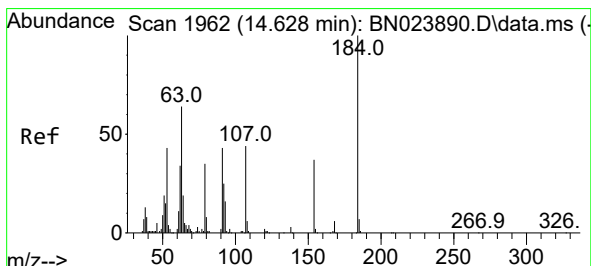
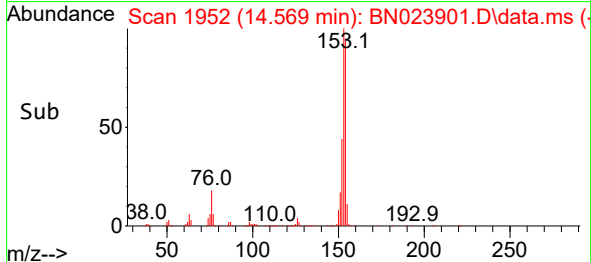
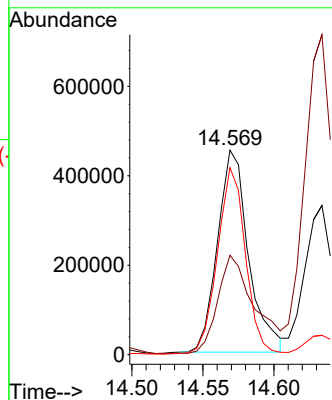
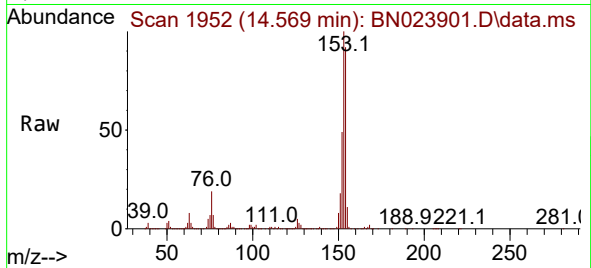




#52
Acenaphthene
Concen: 36.334 ng/ul
RT: 14.569 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

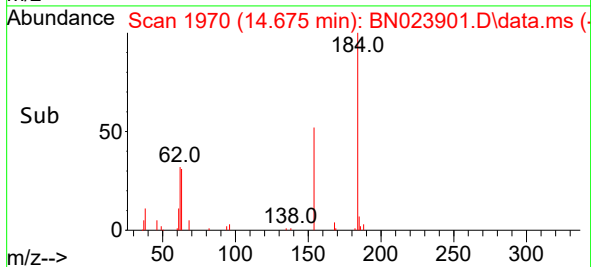
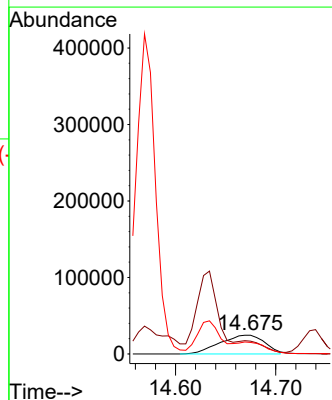
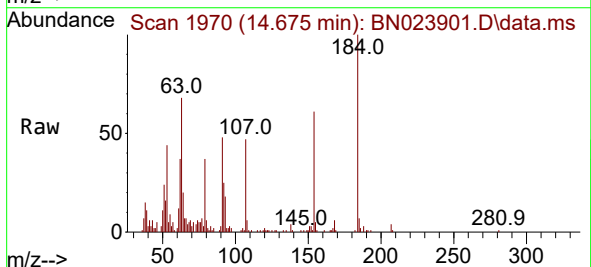
Instrument :
BNA_N
ClientSampleId :
A4488MS

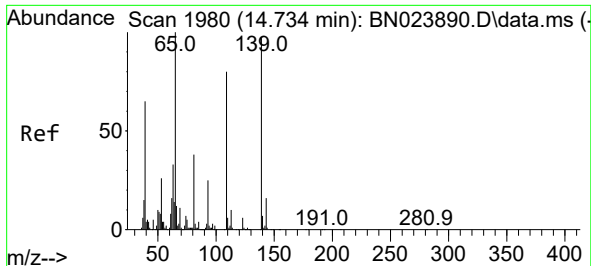
Tgt Ion:153 Resp: 686142
Ion Ratio Lower Upper
153 100
152 48.6 38.9 58.3
154 91.5 72.7 109.1



#53
2,4-Dinitrophenol
Concen: 23.559 ng/ul
RT: 14.675 min Scan# 1970
Delta R.T. 0.047 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:184 Resp: 76300
Ion Ratio Lower Upper
184 100
63 68.4 53.2 79.8
154 61.3 50.6 76.0

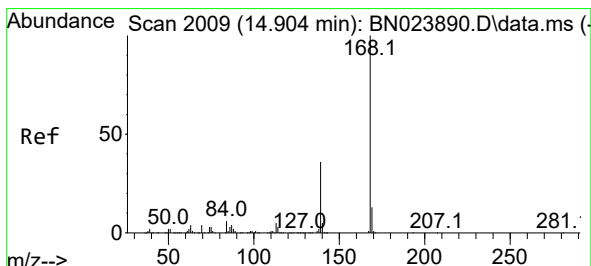
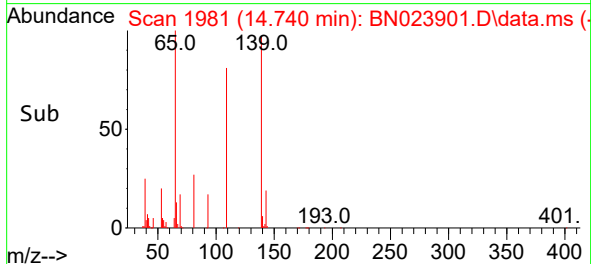
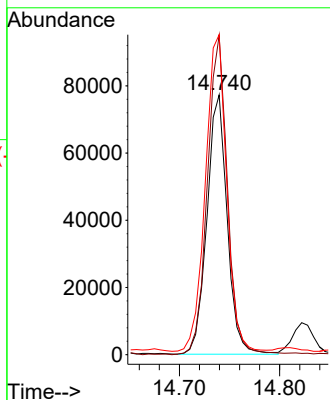
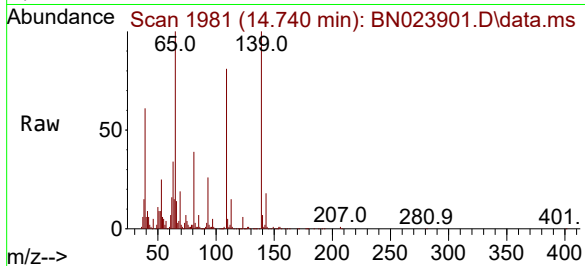




#55
4-Nitrophenol
Concen: 29.999 ng/ul
RT: 14.740 min Scan# 1980
Delta R.T. 0.006 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

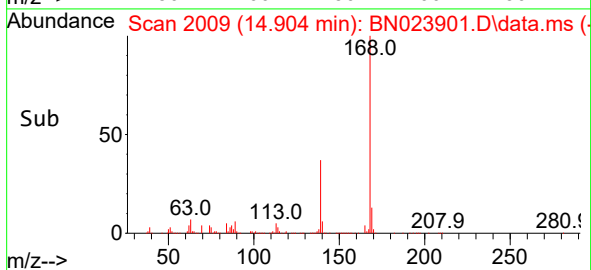
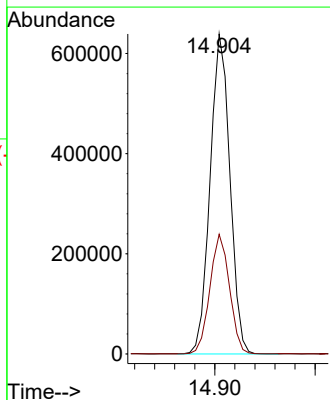
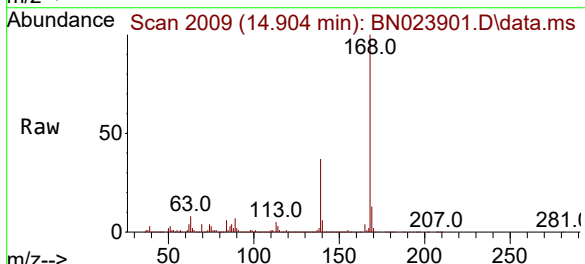
Instrument :
BNA_N
ClientSampleId :
A4488MS

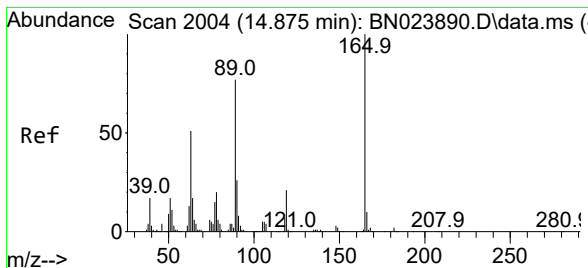
Tgt Ion:109 Resp: 108259
Ion Ratio Lower Upper
109 100
139 122.8 98.1 147.1
65 123.2 101.6 152.4



#56
Dibenzofuran
Concen: 32.554 ng/ul
RT: 14.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:168 Resp: 876995
Ion Ratio Lower Upper
168 100
139 37.4 29.0 43.6

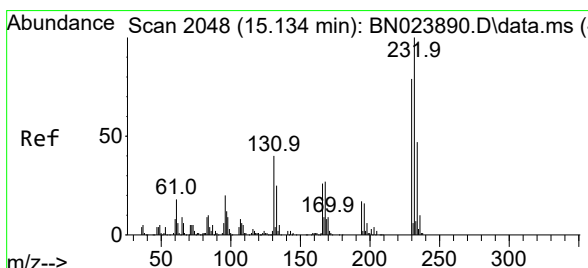
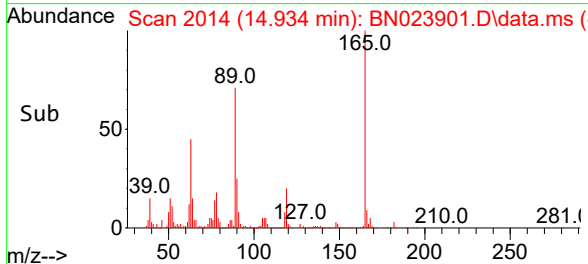
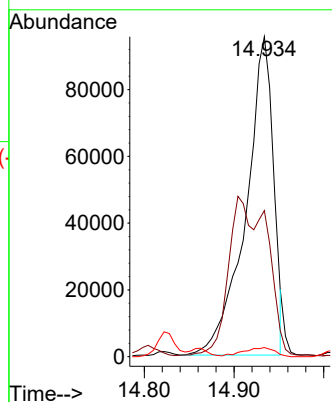
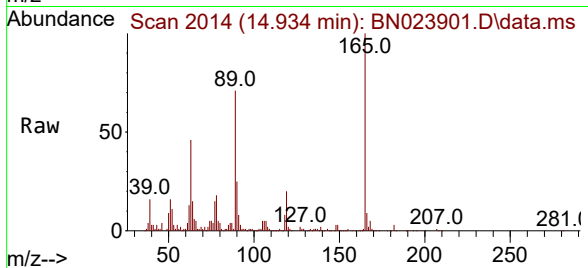




#57
2,4-Dinitrotoluene
Concen: 31.186 ng/ul
RT: 14.934 min Scan# 2014
Delta R.T. 0.059 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

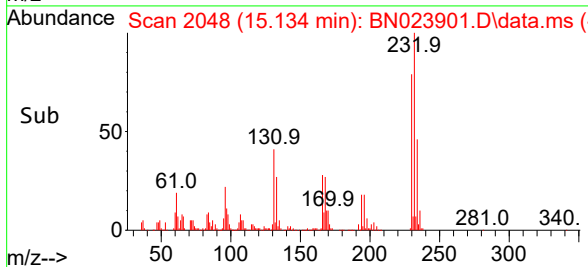
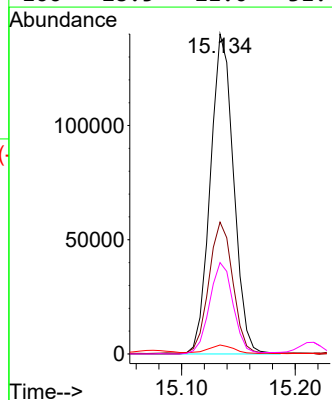
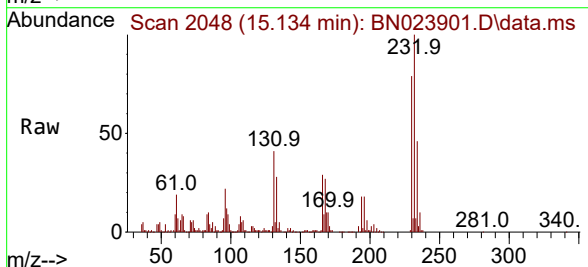
Instrument :
BNA_N
ClientSampleId :
A4488MS

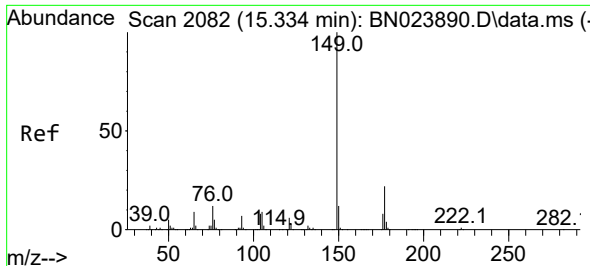
Tgt Ion:165 Resp: 203272
Ion Ratio Lower Upper
165 100
63 45.6 40.7 61.1
182 2.8 2.3 3.5



#58
2,3,4,6-Tetrachlorophenol
Concen: 31.120 ng/ul
RT: 15.134 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:232 Resp: 199866
Ion Ratio Lower Upper
232 100
131 41.2 32.0 48.0
130 2.8 1.8 2.6#
166 28.5 21.0 31.4

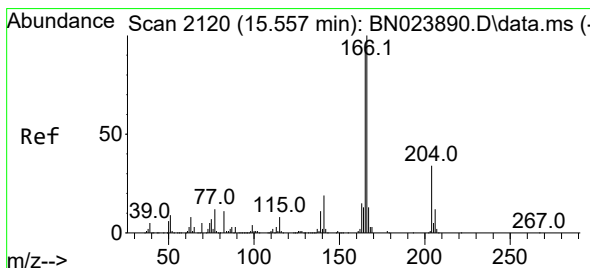
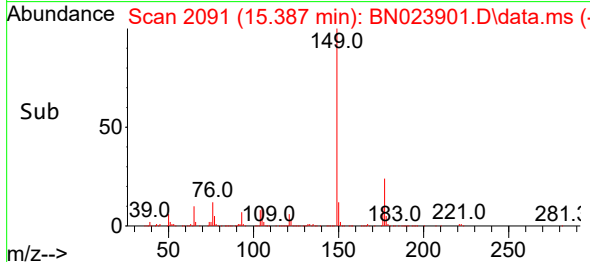
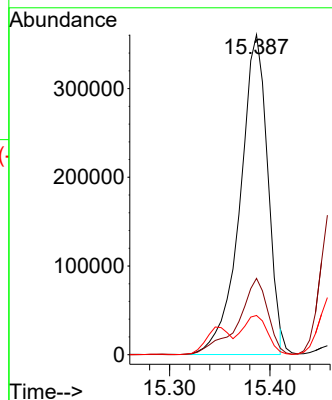
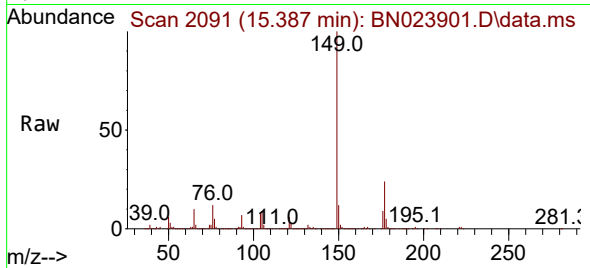




#59
Diethylphthalate
Concen: 29.895 ng/ul
RT: 15.387 min Scan# 2082
Delta R.T. 0.053 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

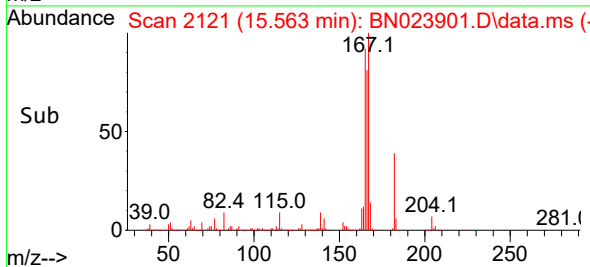
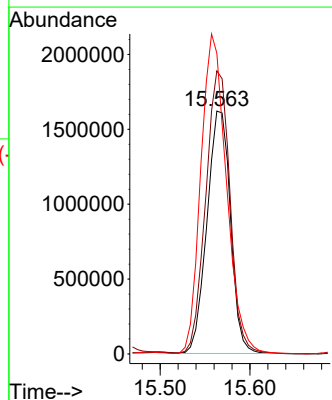
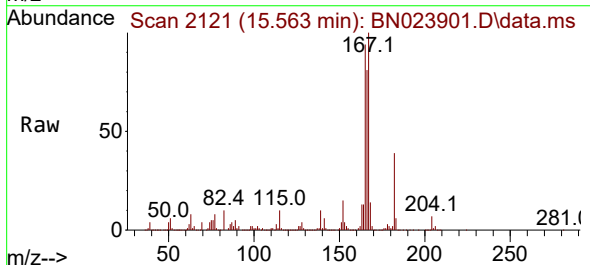
Instrument :
BNA_N
ClientSampleId :
A4488MS

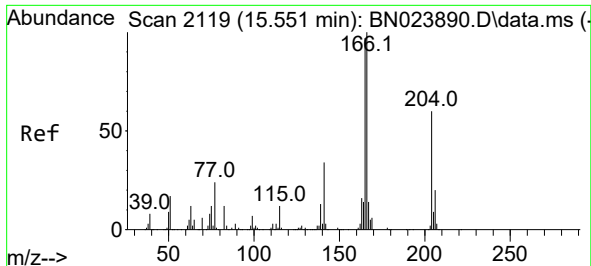
Tgt Ion:149 Resp: 690250
Ion Ratio Lower Upper
149 100
177 23.9 17.8 26.6
150 12.2 9.4 14.2



#61
Fluorene
Concen: 133.498 ng/ul
RT: 15.563 min Scan# 2121
Delta R.T. 0.006 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:166 Resp: 2941125
Ion Ratio Lower Upper
166 100
165 116.5 74.1 111.1#
167 123.8 10.6 16.0#

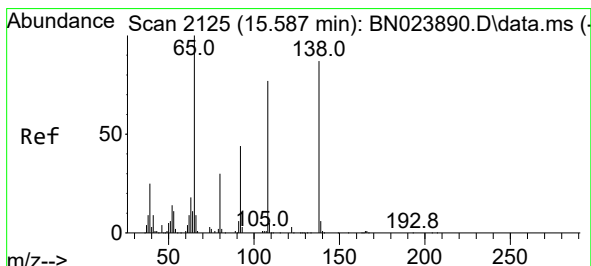
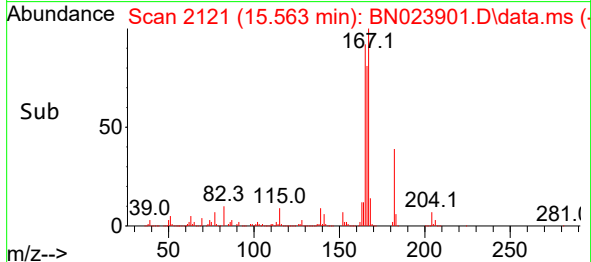
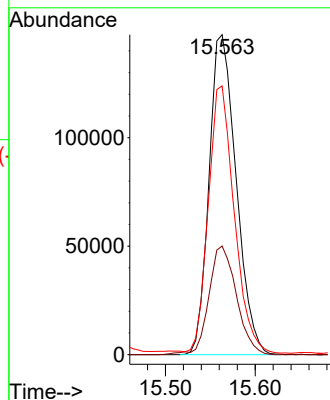
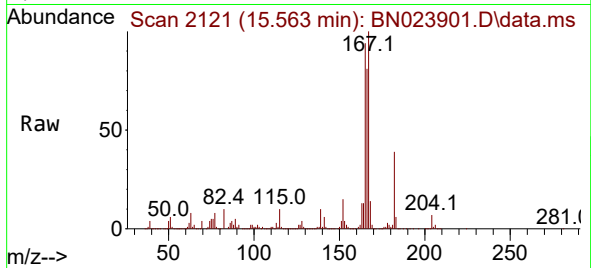




#62
4-Chlorophenyl-phenylether
Concen: 26.783 ng/ul
RT: 15.563 min Scan# 2119
Delta R.T. 0.012 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

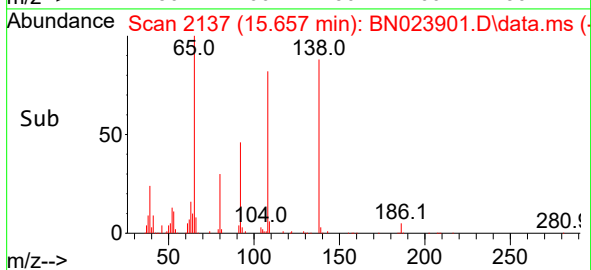
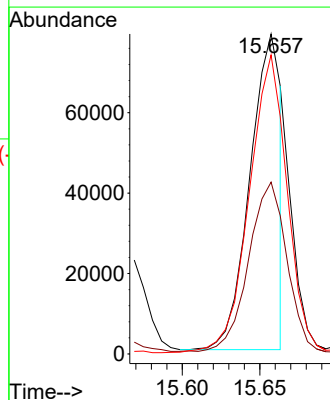
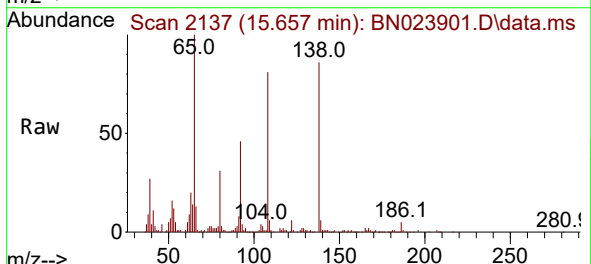
Instrument :
BNA_N
ClientSampleId :
A4488MS

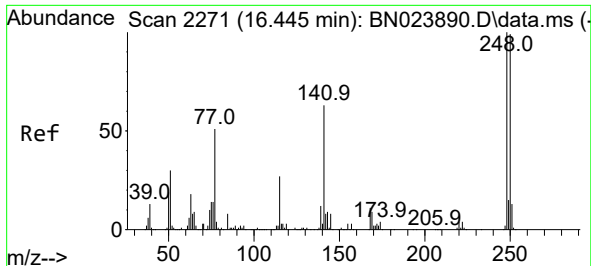
Tgt Ion:204 Resp: 309549
Ion Ratio Lower Upper
204 100
206 34.0 27.2 40.8
141 84.0 45.2 67.8#



#63
4-Nitroaniline
Concen: 29.284 ng/ul
RT: 15.657 min Scan# 2137
Delta R.T. 0.071 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:138 Resp: 110221
Ion Ratio Lower Upper
138 100
92 53.7 41.5 62.3
108 93.5 71.0 106.6

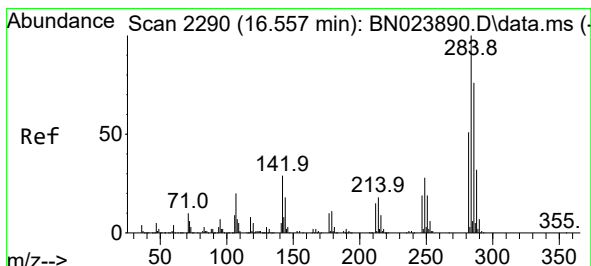
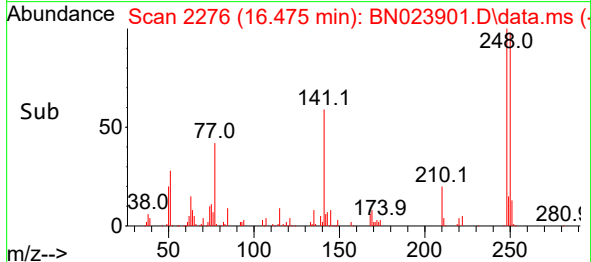
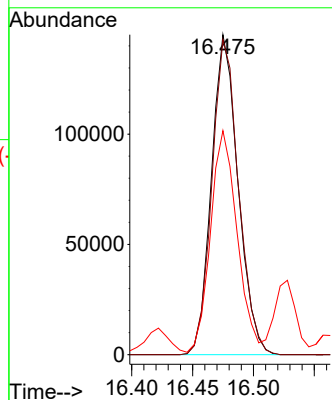
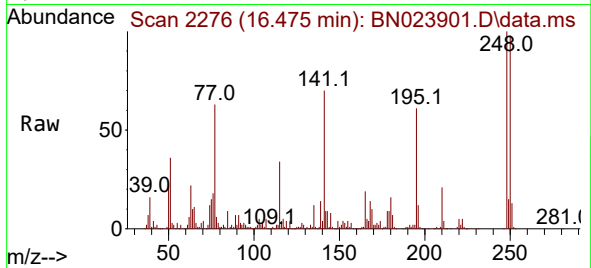




#68
4-Bromophenyl-phenylether
Concen: 24.564 ng/ul
RT: 16.475 min Scan# 21
Delta R.T. 0.029 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

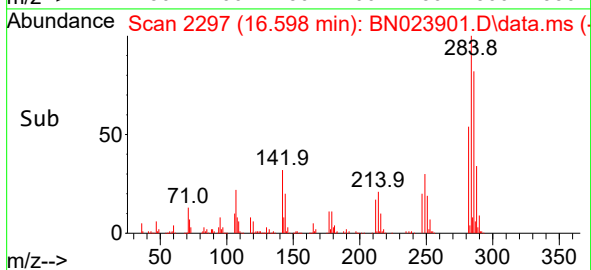
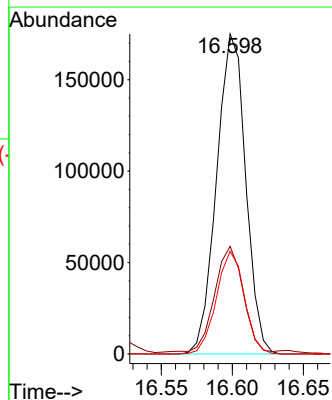
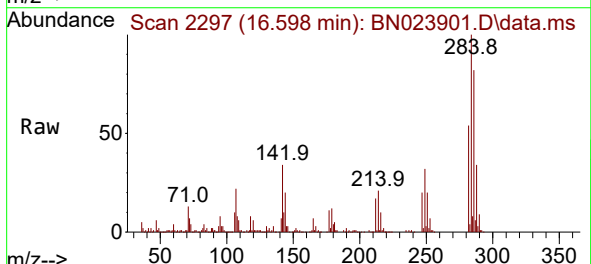
Instrument :
BNA_N
ClientSampleId :
A4488MS

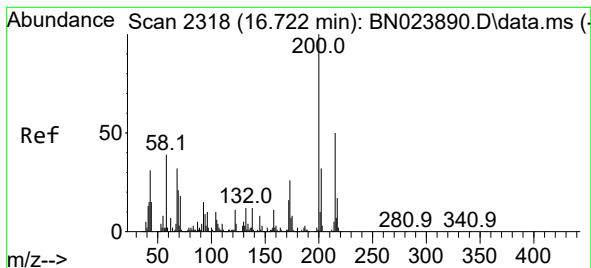
Tgt Ion:248 Resp: 220646
Ion Ratio Lower Upper
248 100
250 98.5 79.2 118.8
141 70.0 50.4 75.6



#69
Hexachlorobenzene
Concen: 23.990 ng/ul
RT: 16.598 min Scan# 2297
Delta R.T. 0.041 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:284 Resp: 248954
Ion Ratio Lower Upper
284 100
142 33.6 23.2 34.8
249 32.1 22.6 34.0





#70

Atrazine

Concen: 23.870 ng/ul

RT: 16.734 min Scan# 21

Delta R.T. 0.012 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

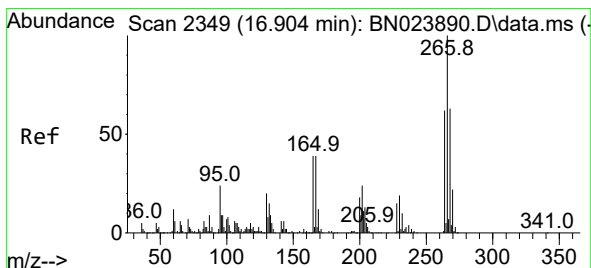
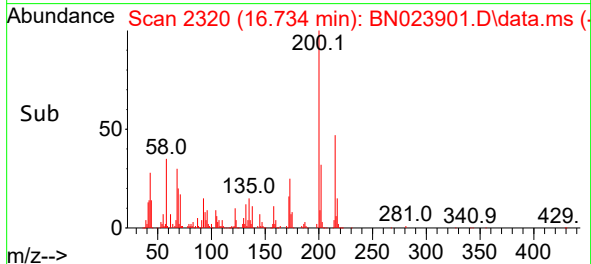
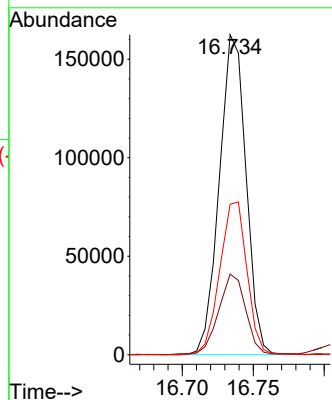
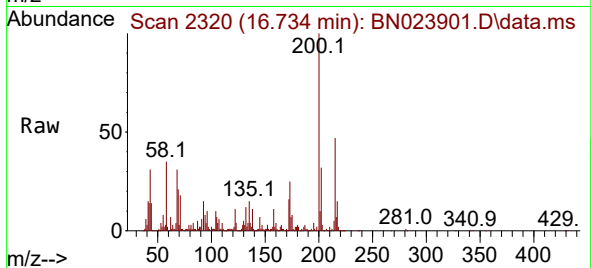
Tgt Ion:200 Resp: 212396

Ion Ratio Lower Upper

200 100

173 25.2 20.9 31.3

215 47.0 40.2 60.2



#71

Pentachlorophenol

Concen: 23.732 ng/ul

RT: 16.922 min Scan# 2352

Delta R.T. 0.018 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

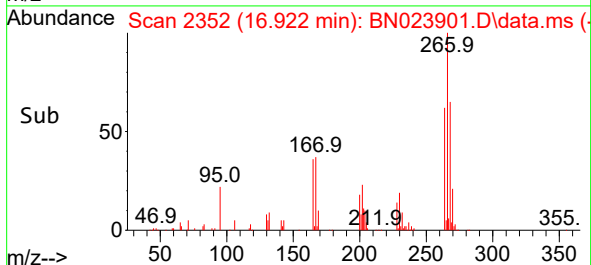
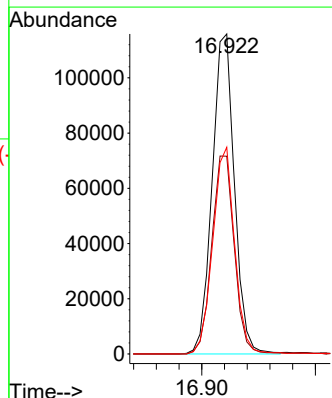
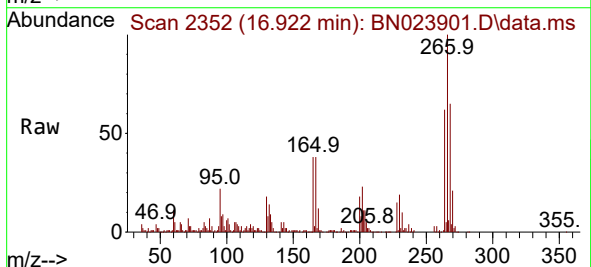
Tgt Ion:266 Resp: 157681

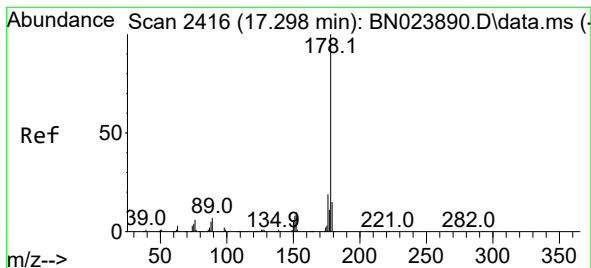
Ion Ratio Lower Upper

266 100

264 61.8 49.9 74.9

268 64.6 50.3 75.5





#72

Phenanthrene

Concen: 24.256 ng/ul

RT: 17.316 min Scan# 2416

Delta R.T. 0.018 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

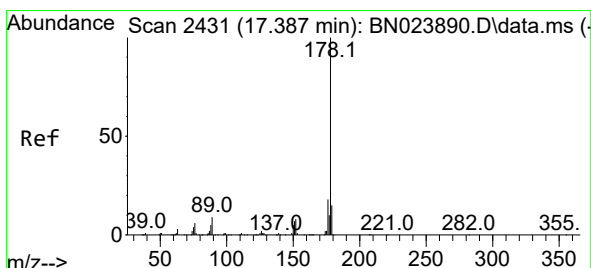
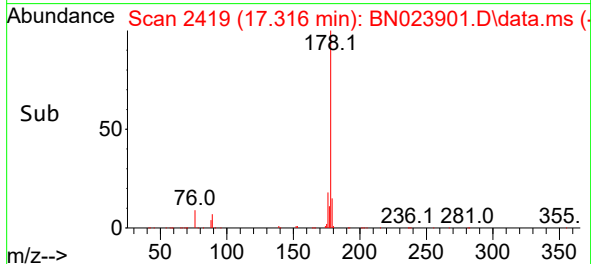
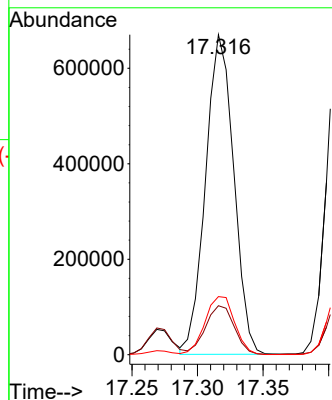
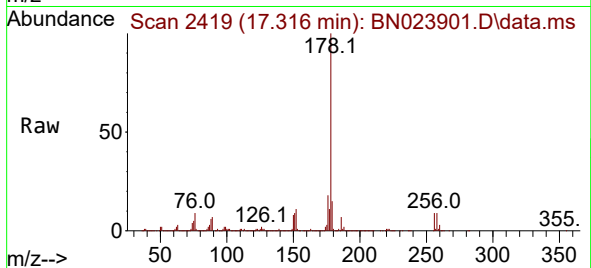
Tgt Ion:178 Resp: 1001895

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 18.1 15.2 22.8



#74

Anthracene

Concen: 24.559 ng/ul

RT: 17.410 min Scan# 2435

Delta R.T. 0.024 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

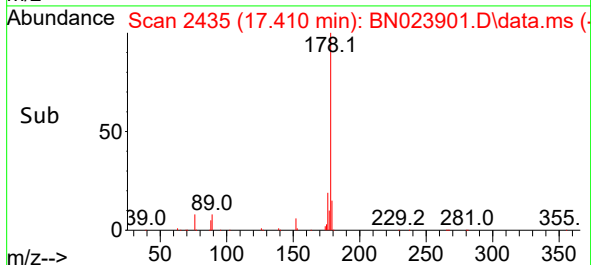
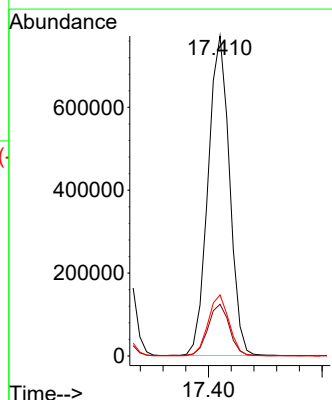
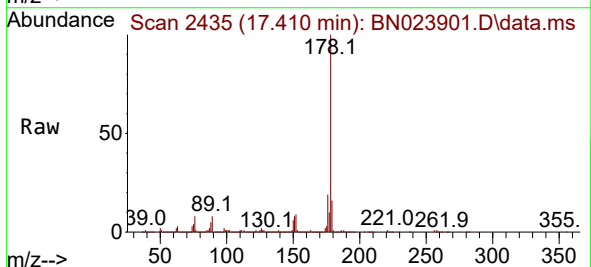
Tgt Ion:178 Resp: 1011064

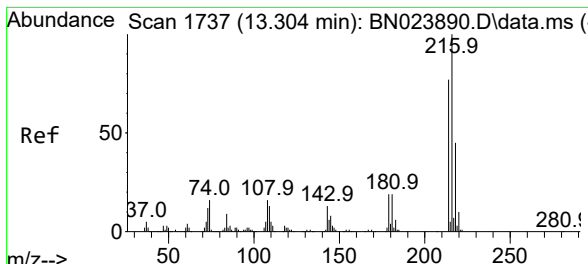
Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

176 19.1 14.4 21.6

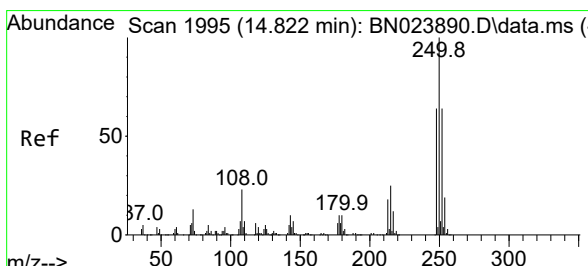
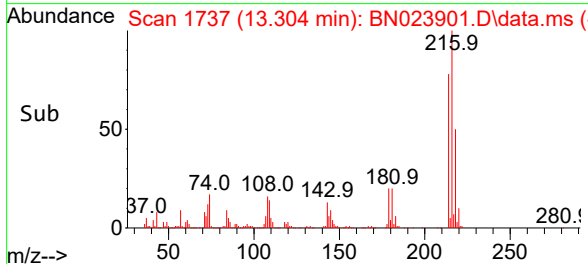
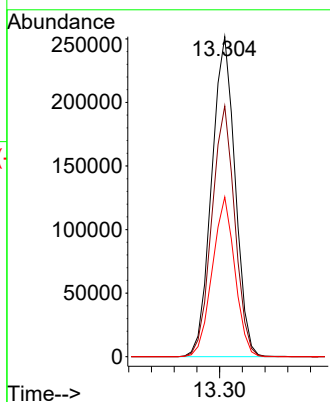
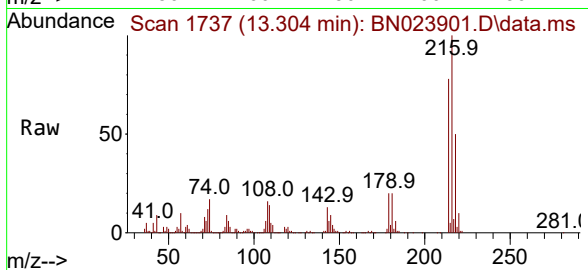




#75
 1,2,3,4-Tetrachlorobenzene
 Concen: 30.572 ng/uL
 RT: 13.304 min Scan# 1737
 Delta R.T. 0.000 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

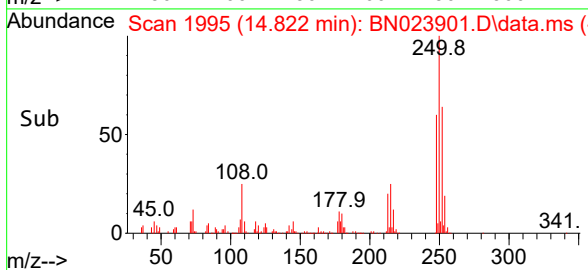
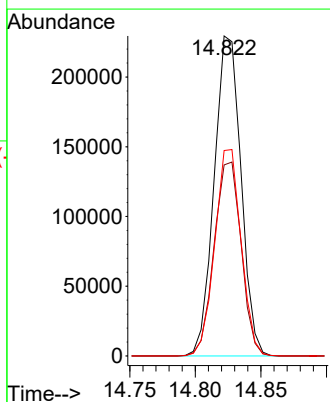
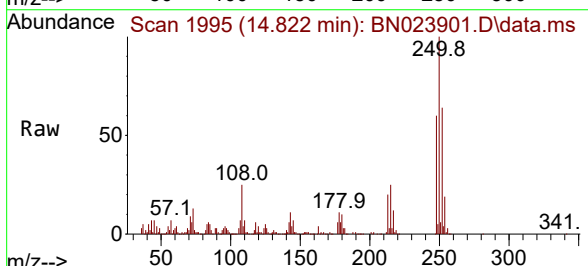
Instrument :
 BNA_N
 ClientSampleId :
 A4488MS

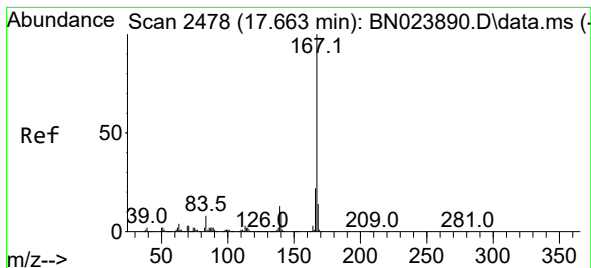
Tgt Ion:	216	Resp:	360740
Ion Ratio	Lower	Upper	
216	100		
214	78.4	61.9	92.9
218	49.9	36.0	54.0



#76
 Pentachlorobenzene
 Concen: 27.727 ng/uL
 RT: 14.822 min Scan# 1995
 Delta R.T. 0.000 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

Tgt Ion:	250	Resp:	326271
Ion Ratio	Lower	Upper	
250	100		
248	59.7	51.2	76.8
252	64.2	50.8	76.2





#77

Carbazole

Concen: 25.025 ng/ul

RT: 17.675 min Scan# 2478

Delta R.T. 0.012 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

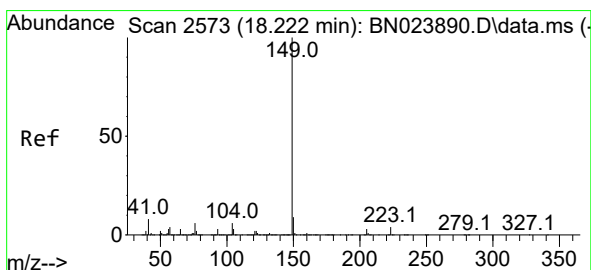
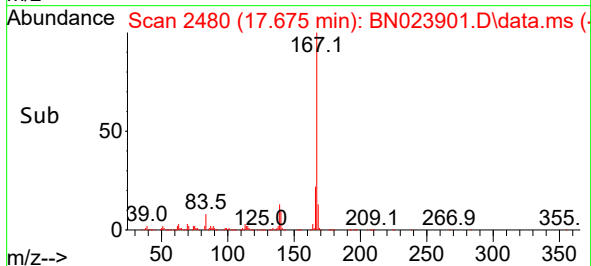
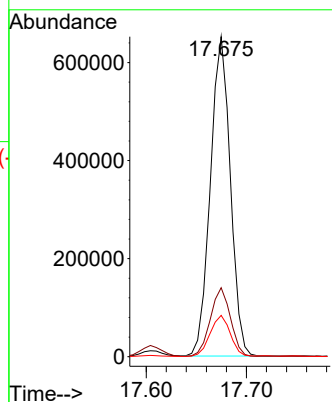
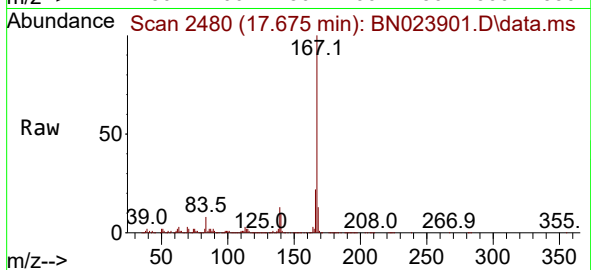
Tgt Ion:167 Resp: 902809

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.2

139 12.9 10.2 15.4



#78

Di-n-butylphthalate

Concen: 14.662 ng/ul

RT: 18.234 min Scan# 2575

Delta R.T. 0.012 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

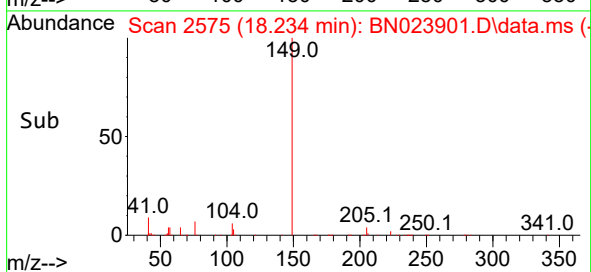
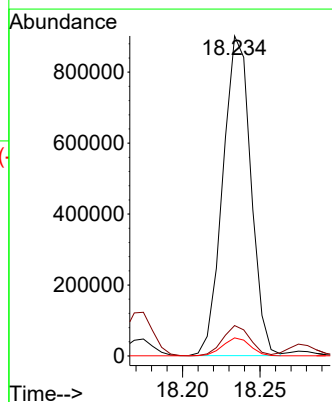
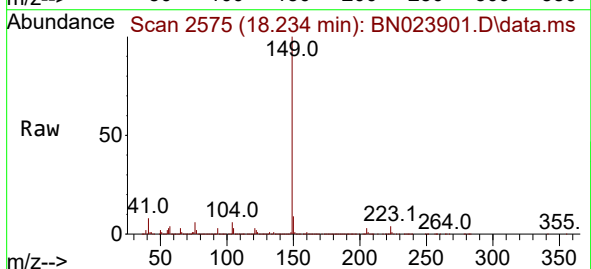
Tgt Ion:149 Resp: 1133731

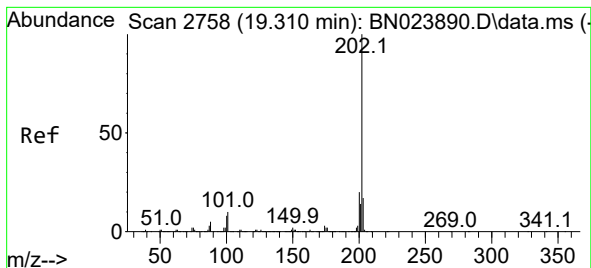
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

104 5.7 4.6 6.8





#80

Fluoranthene

Concen: 319.501 ng/ul

RT: 19.322 min Scan# 21

Delta R.T. 0.012 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

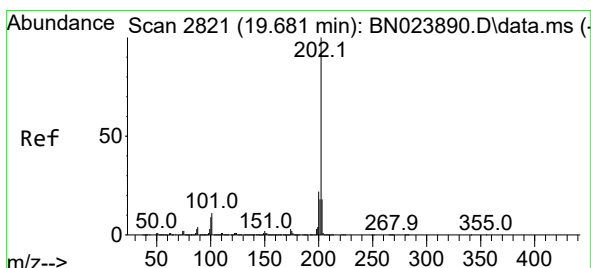
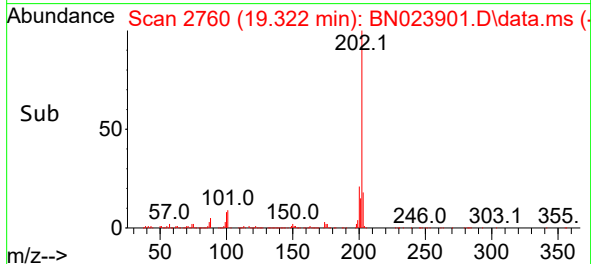
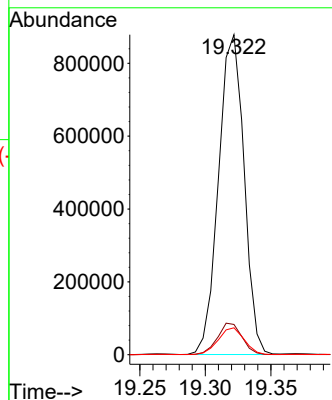
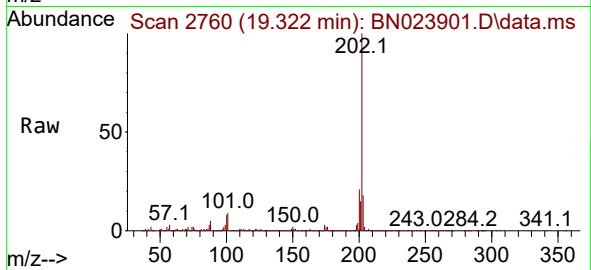
Tgt Ion:202 Resp: 1188150

Ion Ratio Lower Upper

202 100

101 9.4 8.2 12.2

100 8.4 6.2 9.4



#82

Pyrene

Concen: 328.650 ng/ul

RT: 19.681 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

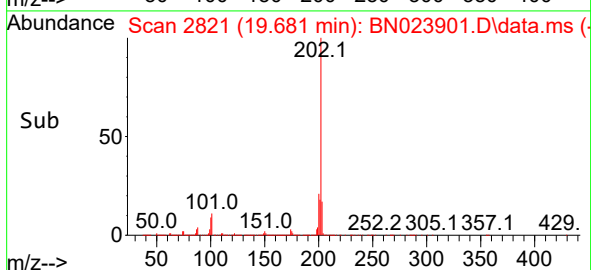
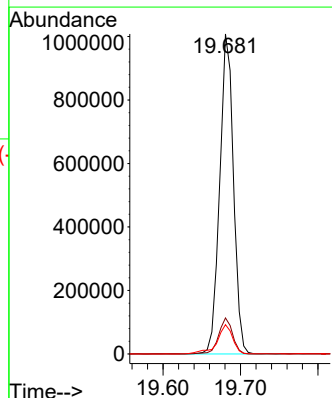
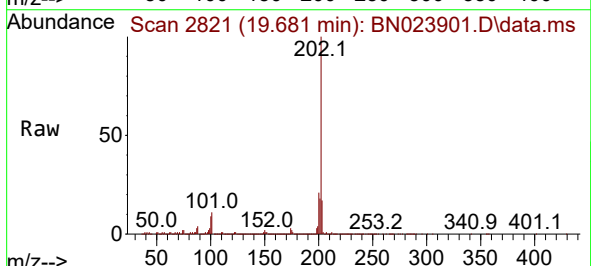
Tgt Ion:202 Resp: 1243127

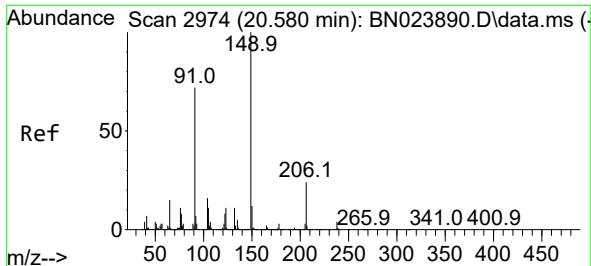
Ion Ratio Lower Upper

202 100

101 11.2 9.1 13.7

100 9.1 7.4 11.2

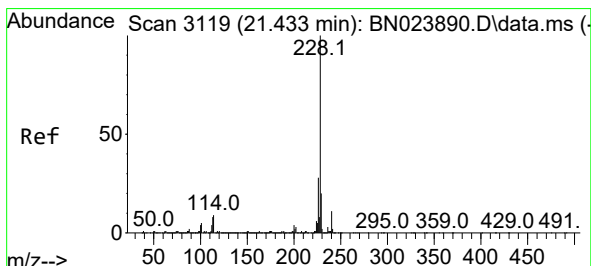
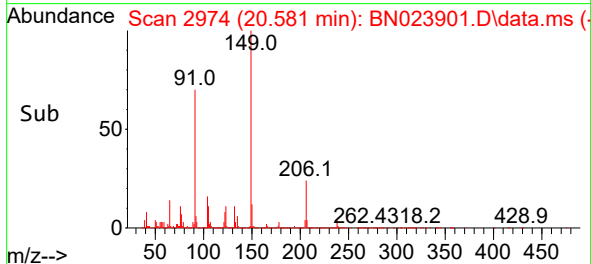
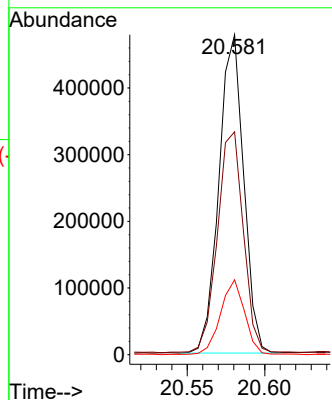
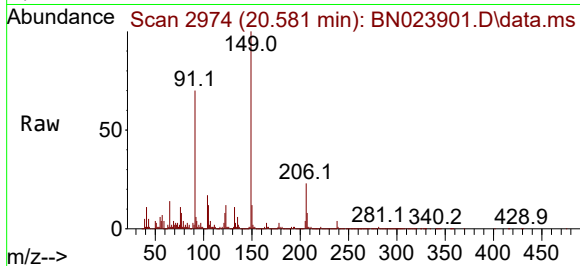




#83
Butylbenzylphthalate
Concen: 336.497 ng/ul
RT: 20.581 min Scan# 2974
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

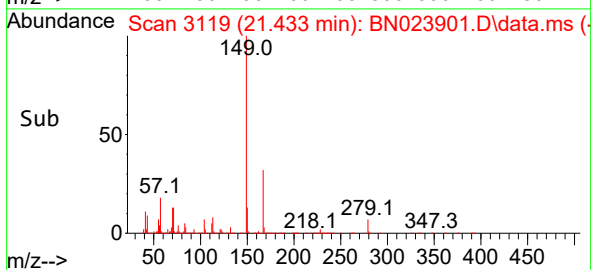
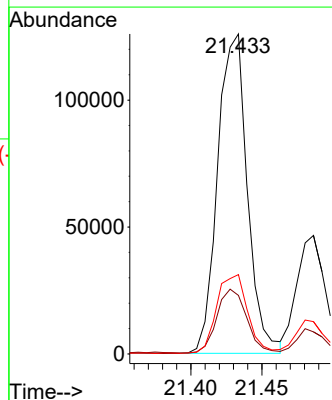
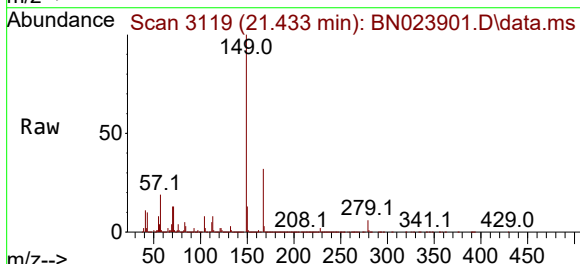
Instrument :
BNA_N
ClientSampleId :
A4488MS

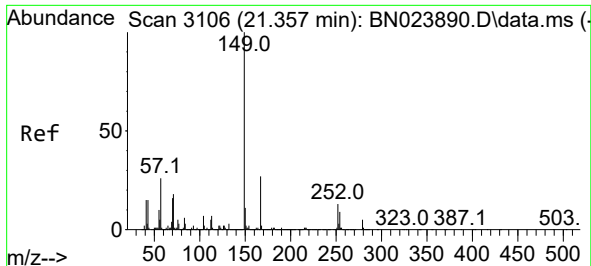
Tgt Ion:149 Resp: 530834
Ion Ratio Lower Upper
149 100
91 69.7 57.9 86.9
206 23.4 19.0 28.4



#85
Benzo(a)anthracene
Concen: 50.424 ng/ul
RT: 21.433 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BN023901.D
Acq: 02 Feb 2023 12:46

Tgt Ion:228 Resp: 183339
Ion Ratio Lower Upper
228 100
229 18.3 15.6 23.4
226 24.8 22.1 33.1

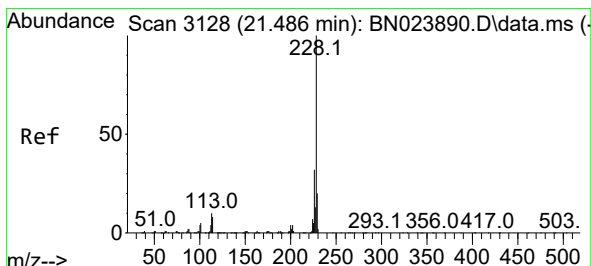
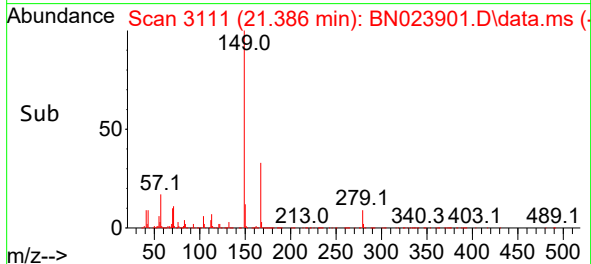
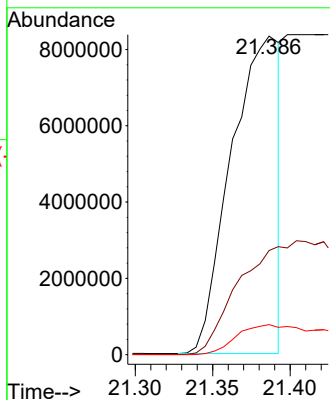
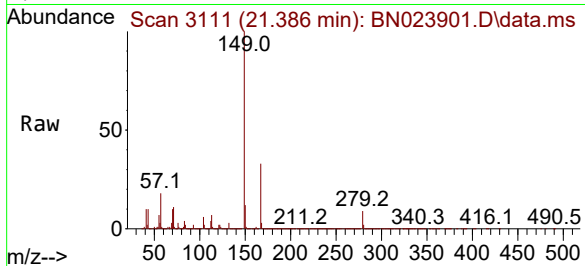




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 7777.846 ng/ul
 RT: 21.386 min Scan# 3111
 Delta R.T. 0.029 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

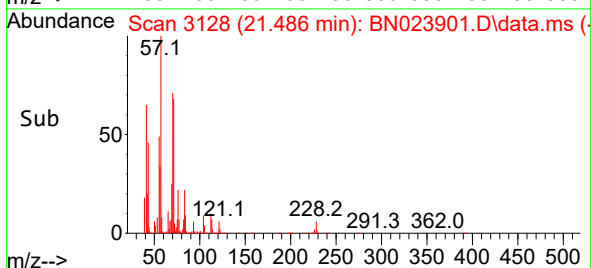
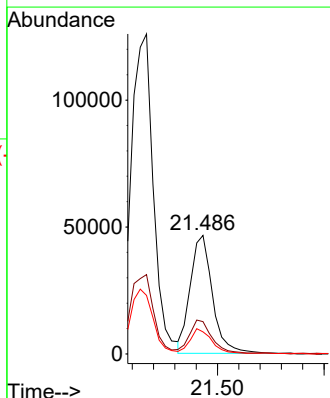
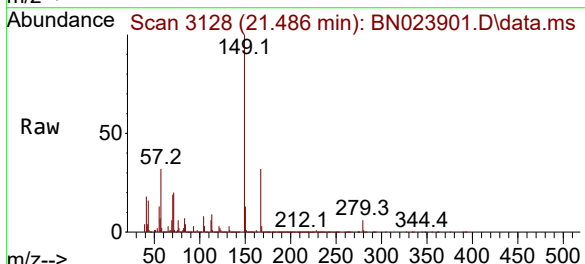
Instrument :
 BNA_N
 ClientSampleId :
 A4488MS

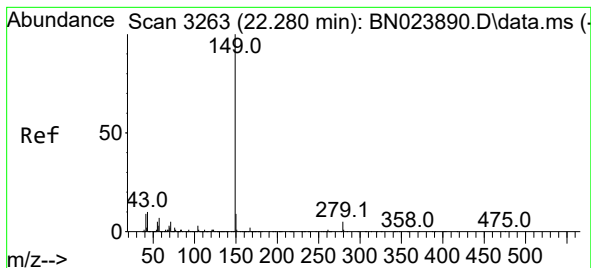
Tgt Ion:149 Resp:18101410
 Ion Ratio Lower Upper
 149 100
 167 32.7 21.2 31.8#
 279 9.4 3.8 5.6#



#87
 Chrysene
 Concen: 20.075 ng/ul
 RT: 21.486 min Scan# 3128
 Delta R.T. 0.000 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

Tgt Ion:228 Resp: 67353
 Ion Ratio Lower Upper
 228 100
 226 27.3 25.9 38.9
 229 18.6 16.4 24.6





#89

Di-n-octyl phthalate

Concen: 35.500 ng/ul

RT: 22.310 min Scan# 31

Delta R.T. 0.029 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

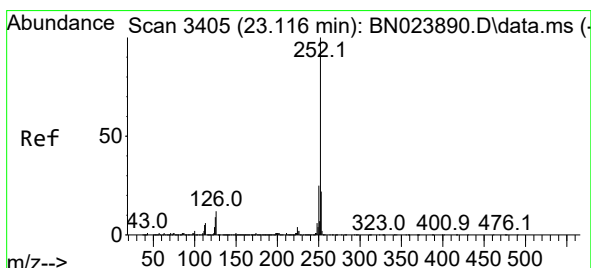
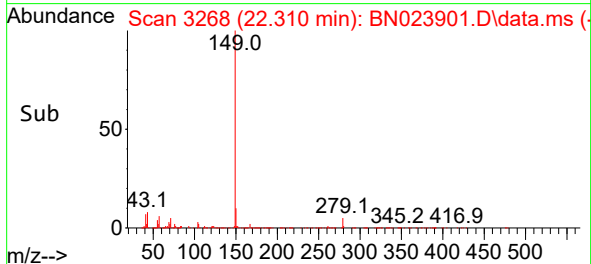
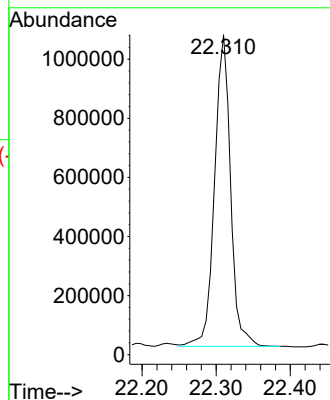
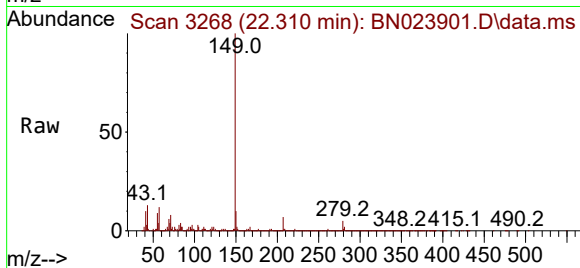
Instrument :

BNA_N

ClientSampleId :

A4488MS

Tgt Ion:149 Resp: 1578905



#90

Benzo(b)fluoranthene

Concen: 34.434 ng/ul

RT: 23.163 min Scan# 3413

Delta R.T. 0.047 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

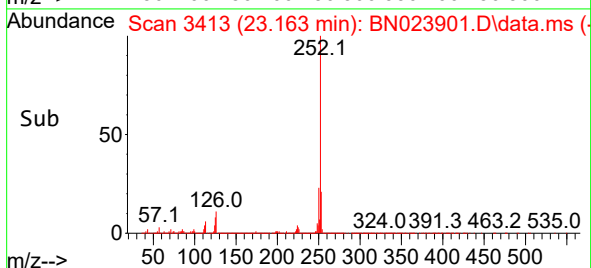
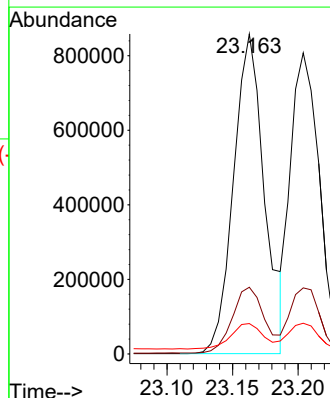
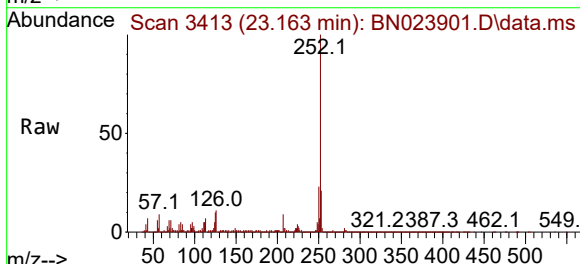
Tgt Ion:252 Resp: 1404212

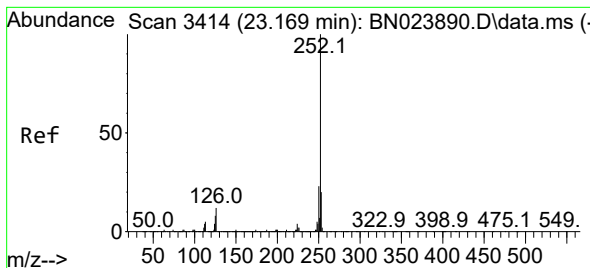
Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.8

125 9.5 7.3 10.9





#91

Benzo(k)fluoranthene

Concen: 36.464 ng/ul

RT: 23.163 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

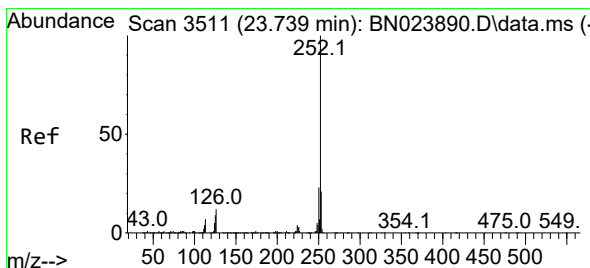
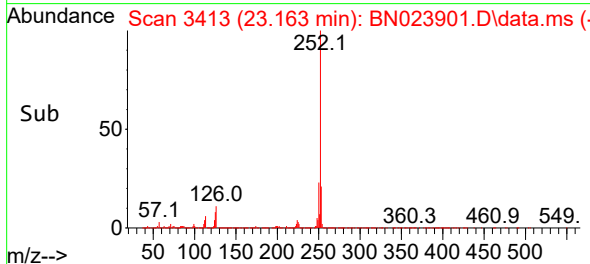
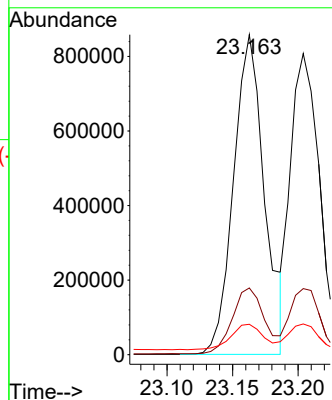
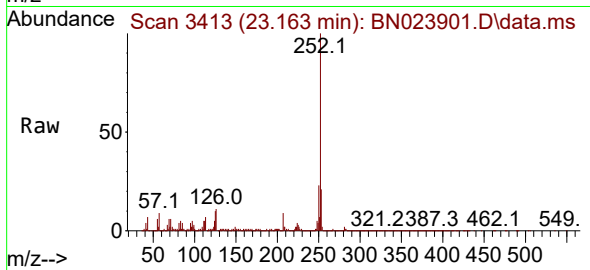
Tgt Ion:252 Resp: 1404212

Ion Ratio Lower Upper

252 100

253 20.8 16.2 24.2

125 9.5 6.6 9.8



#93

Benzo(a)pyrene

Concen: 34.808 ng/ul

RT: 23.780 min Scan# 3518

Delta R.T. 0.041 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

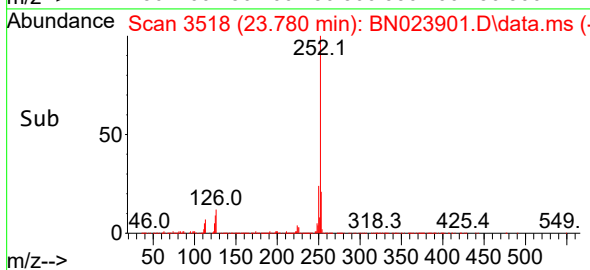
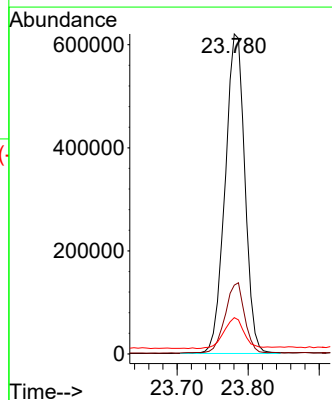
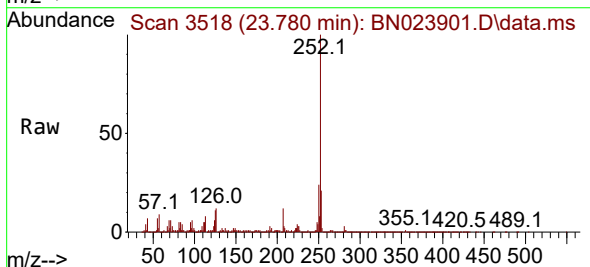
Tgt Ion:252 Resp: 1194230

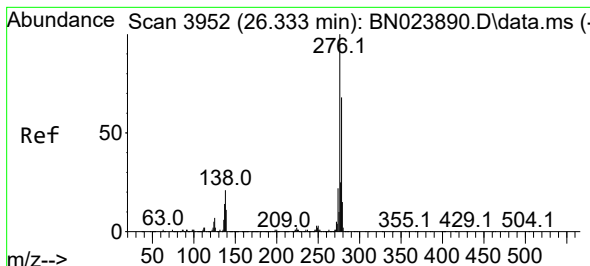
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 11.3 7.5 11.3#





#94

Indeno(1,2,3-cd)pyrene

Concen: 38.546 ng/ul

RT: 26.363 min Scan# 3957

Delta R.T. 0.029 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

Instrument :

BNA_N

ClientSampleId :

A4488MS

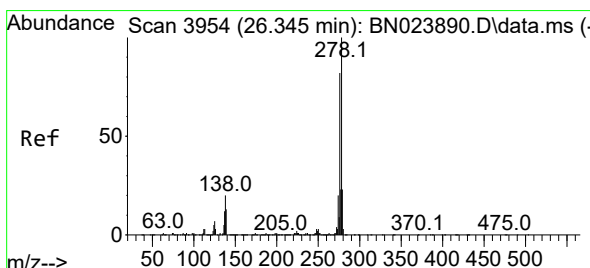
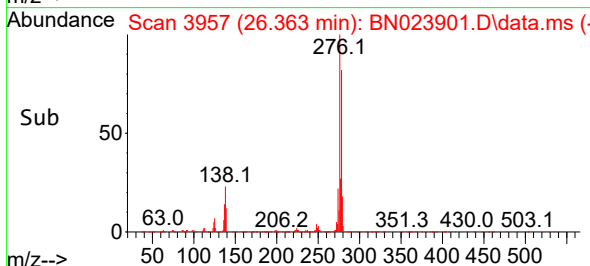
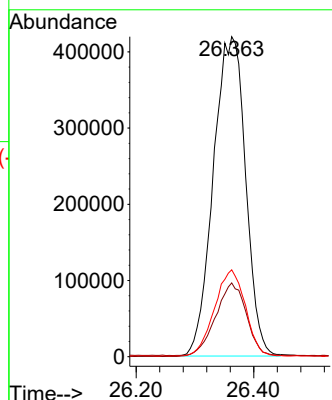
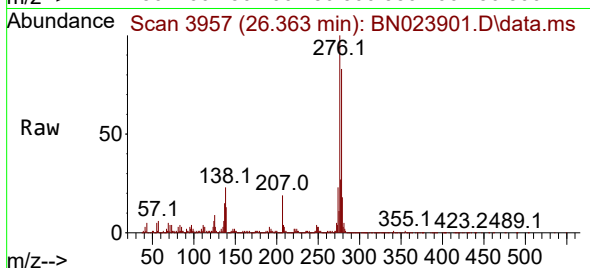
Tgt Ion:276 Resp: 1595801

Ion Ratio Lower Upper

276 100

138 23.0 16.6 25.0

277 27.1 19.7 29.5



#95

Dibenzo(a,h)anthracene

Concen: 39.340 ng/ul

RT: 26.380 min Scan# 3960

Delta R.T. 0.035 min

Lab File: BN023901.D

Acq: 02 Feb 2023 12:46

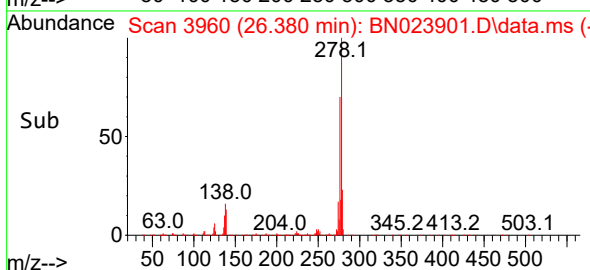
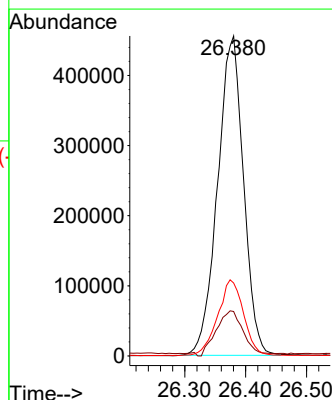
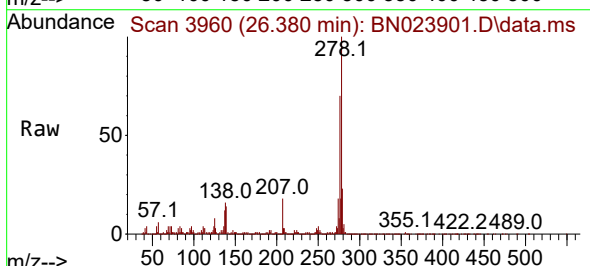
Tgt Ion:278 Resp: 1347012

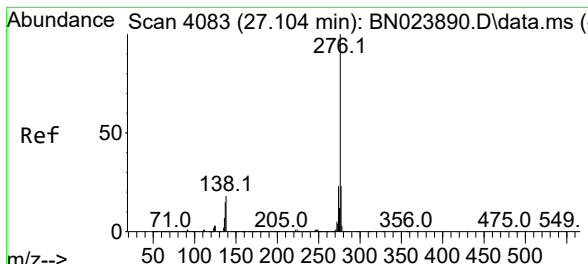
Ion Ratio Lower Upper

278 100

139 13.9 10.8 16.2

279 22.8 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 39.751 ng/ul
 RT: 27.133 min Scan# 4088
 Delta R.T. 0.029 min
 Lab File: BN023901.D
 Acq: 02 Feb 2023 12:46

Instrument :
 BNA_N
 ClientSampleId :
 A4488MS

Tgt Ion:276 Resp: 1295847
 Ion Ratio Lower Upper
 276 100
 138 17.9 14.6 21.8
 277 23.0 18.8 28.2

