

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
 Data File : BN023931.D
 Acq On : 03 Feb 2023 07:49
 Operator : CG/JU
 Sample : 01294-02MS
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A44N8MS

Quant Time: Feb 03 21:49:01 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	7.846	152	169171	20.000	ng/u1	0.00
20) Naphthalene-d8	10.657	136	733445	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.504	164	470554	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.251	188	1037782	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	906689	20.000	ng/u1	0.00
88) Perylene-d12	23.845	264	851752	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	16165	3.857	ng/uL	0.00
4) Pyridine-d5	3.669	84	31957	2.729	ng/u1	0.00
7) Phenol-d5	7.016	99	66716	4.516	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	232342	24.886	ng/u1	0.00
11) 2-Chlorophenol-d4	7.375	132	212086	18.361	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	134541	11.481	ng/u1	0.00
21) Nitrobenzene-d5	9.016	128	144742	24.323	ng/u1	0.00
24) 2-Nitrophenol-d4	9.740	143	155237	22.927	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	281506	22.266	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	324356	18.806	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	1154284	30.725	ng/u1	0.00
49) Acenaphthylene-d8	14.198	160	1152460	28.358	ng/u1	0.00
54) 4-Nitrophenol-d4	14.710	143	35077	5.150	ng/u1	0.00
60) Fluorene-d10	15.498	176	950275	30.173	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.622	200	220409	30.014	ng/u1	0.00
73) Anthracene-d10	17.351	188	1534118	31.753	ng/u1	0.00
81) Pyrene-d10	19.645	212	1806721	32.821	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.680	264	1447072	32.734	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	16327	3.781	ng/uL#	85
5) Pyridine	3.687	79	38393	3.263	ng/u1	97
6) Benzaldehyde	6.987	77	244008	37.985	ng/u1	99
8) Phenol	7.046	94	72397	4.875	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.275	93	285757	23.617	ng/u1	100
12) 2-Chlorophenol	7.410	128	206941	17.704	ng/u1	98
13) 2-Methylphenol	8.298	108	149078	13.230	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.387	45	360384	23.325	ng/u1	99
16) Acetophenone	8.681	105	439664	24.224	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.663	70	239923	24.080	ng/u1	96
18) 4-Methylphenol	8.628	108	137736	11.285	ng/u1	98
19) Hexachloroethane	8.928	117	114178	23.323	ng/u1	96
22) Nitrobenzene	9.063	77	354948	23.760	ng/u1	99
23) Isophorone	9.587	82	666483	23.638	ng/u1	100
25) 2-Nitrophenol	9.775	139	159777	22.724	ng/u1	97
26) 2,4-Dimethylphenol	9.834	107	262703	18.867	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.075	93	397370	23.068	ng/u1	97
29) 2,4-Dichlorophenol	10.310	162	261995	21.475	ng/u1	99
30) Naphthalene	10.710	128	947967	23.866	ng/u1	100
32) 4-Chloroaniline	10.828	127	319329	18.603	ng/u1	99
33) Hexachlorobutadiene	10.987	225	201257	23.541	ng/u1	98
34) Caprolactam	11.616	113	12796	3.357	ng/u1	91
35) 4-Chloro-3-methylphenol	11.951	107	270100	20.655	ng/u1	98
36) 2-Methylnaphthalene	12.322	142	648807	24.039	ng/u1	97

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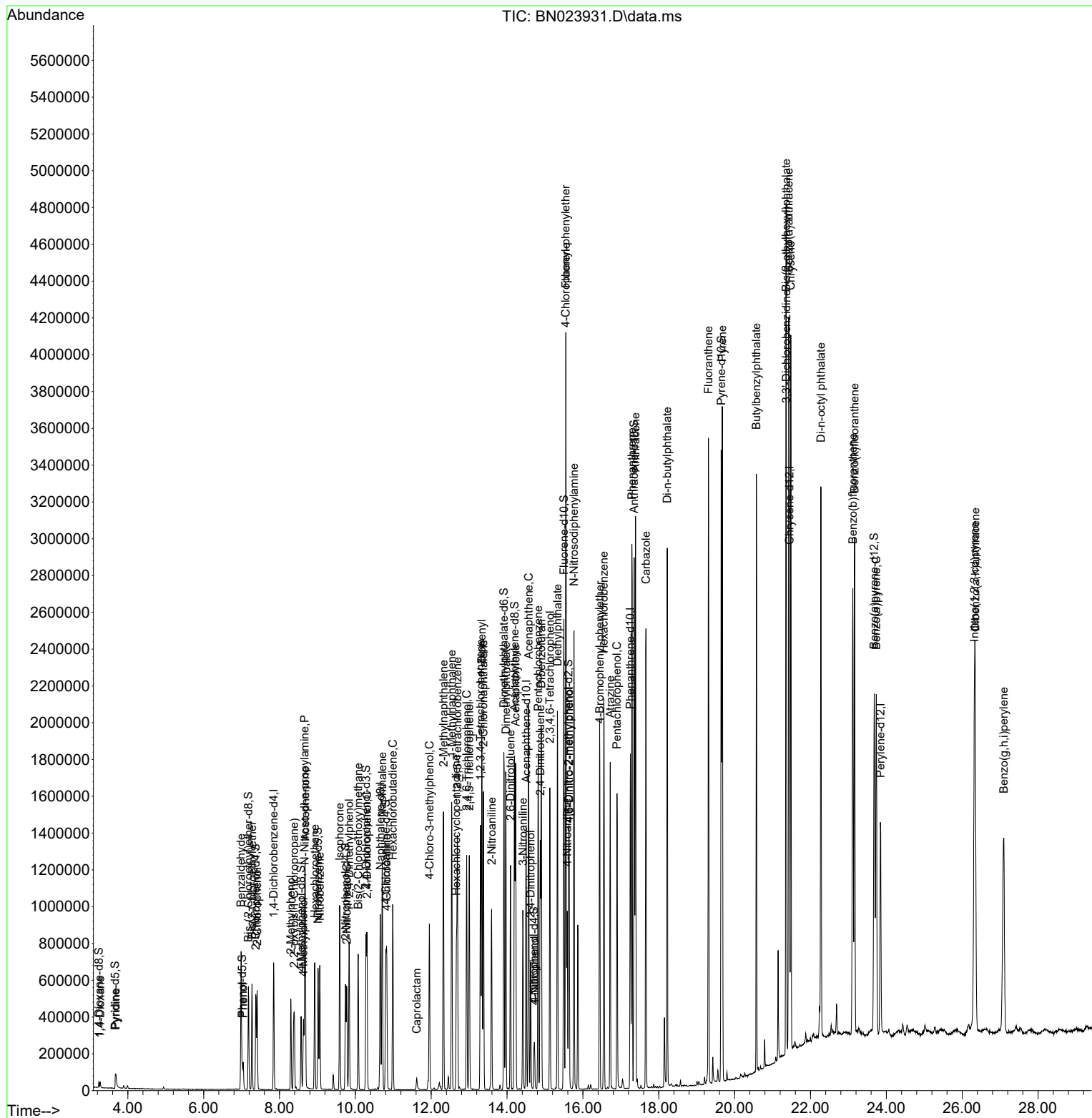
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.539	142	680414	24.642	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.692	216	404741	25.033	ng/ul	98
40) Hexachlorocyclopentadiene	12.663	237	201028	17.270	ng/ul	96
41) 2,4,6-Trichlorophenol	12.934	196	269381	25.252	ng/ul	98
42) 2,4,5-Trichlorophenol	13.004	196	305672	26.454	ng/ul	99
43) 1,1'-Biphenyl	13.334	154	934934	25.213	ng/ul	98
44) 2-Chloronaphthalene	13.375	162	723331	25.070	ng/ul	98
45) 2-Nitroaniline	13.592	65	250342	28.897	ng/ul	96
47) Dimethylphthalate	13.969	163	1055357	28.306	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	226626	30.659	ng/ul	93
50) Acenaphthylene	14.228	152	1164158	26.671	ng/ul	98
51) 3-Nitroaniline	14.416	138	205672	30.910	ng/ul	98
52) Acenaphthene	14.569	153	805017	26.568	ng/ul	98
53) 2,4-Dinitrophenol	14.622	184	128263	24.683	ng/ul	95
55) 4-Nitrophenol	14.728	109	32539	5.620	ng/ul	97
56) Dibenzofuran	14.904	168	1198838	27.735	ng/ul	100
57) 2,4-Dinitrotoluene	14.875	165	331533	31.701	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.128	232	292567	28.391	ng/ul	95
59) Diethylphthalate	15.328	149	1103965	29.799	ng/ul	98
61) Fluorene	15.551	166	1010189	28.577	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.545	204	536696	28.941	ng/ul	98
63) 4-Nitroaniline	15.586	138	221340	36.651	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.639	198	203314	28.755	ng/ul	97
67) N-Nitrosodiphenylamine	15.763	169	893329	29.812	ng/ul	98
68) 4-Bromophenyl-phenylether	16.445	248	361146	29.713	ng/ul	94
69) Hexachlorobenzene	16.551	284	418352	29.793	ng/ul	91
70) Atrazine	16.722	200	317228	26.348	ng/ul	99
71) Pentachlorophenol	16.898	266	258138	28.712	ng/ul	100
72) Phenanthrene	17.292	178	1685095	30.149	ng/ul	99
74) Anthracene	17.386	178	1682947	30.210	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.298	216	405972	25.427	ng/ul	94
76) Pentachlorobenzene	14.822	250	457355	28.724	ng/ul	97
77) Carbazole	17.663	167	1495715	30.640	ng/ul	99
78) Di-n-butylphthalate	18.221	149	1928941	18.436	ng/ul	100
80) Fluoranthene	19.310	202	1996247	31.064	ng/ul	100
82) Pyrene	19.674	202	2033040	31.103	ng/ul	100
83) Butylbenzylphthalate	20.574	149	850565	31.201	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.362	252	455292	21.380	ng/ul	96
85) Benzo(a)anthracene	21.427	228	1935794	30.809	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.357	149	1276269	31.734	ng/ul	97
87) Chrysene	21.480	228	1795877	30.976	ng/ul	99
89) Di-n-octyl phthalate	22.274	149	1990290	31.066	ng/ul	100
90) Benzo(b)fluoranthene	23.115	252	1796595	30.584	ng/ul	100
91) Benzo(k)fluoranthene	23.162	252	1721604	31.035	ng/ul	98
93) Benzo(a)pyrene	23.733	252	1503332	30.419	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.321	276	1790869	30.030	ng/ul	99
95) Dibenzo(a,h)anthracene	26.345	278	1502259	30.458	ng/ul	99
96) Benzo(g,h,i)perylene	27.097	276	1476357	31.440	ng/ul	97

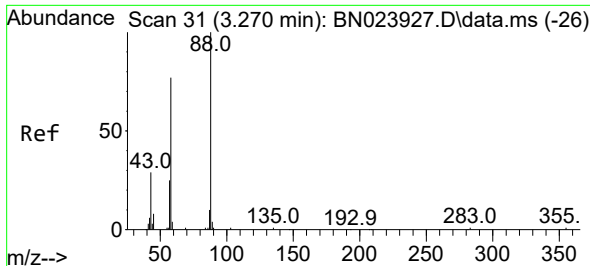
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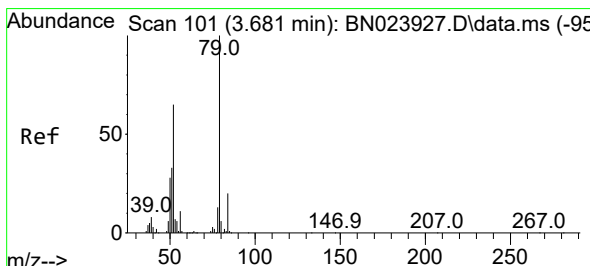
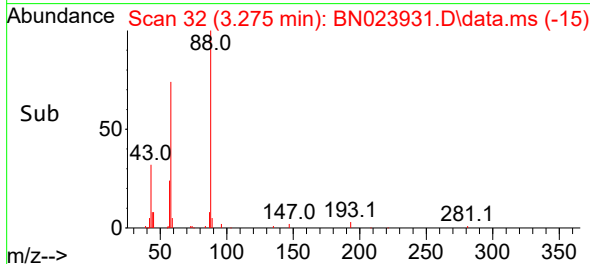
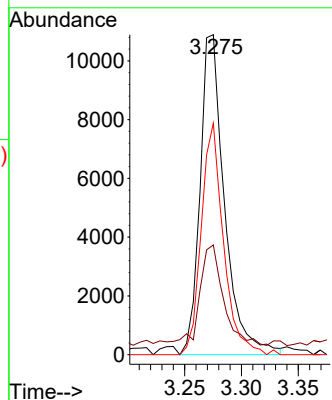
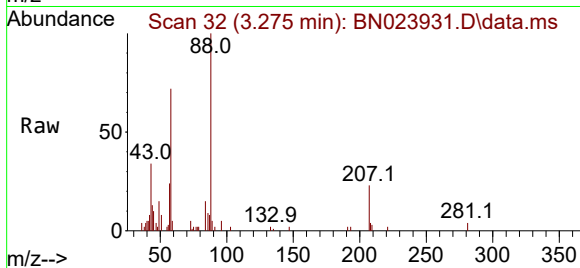




#2
1,4-Dioxane
Concen: 3.781 ng/uL
RT: 3.275 min Scan# 31
Delta R.T. -0.001 min
Lab File: BN023931.D
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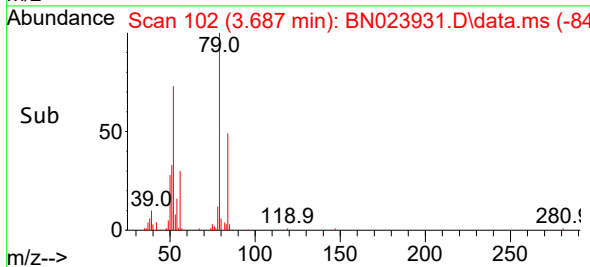
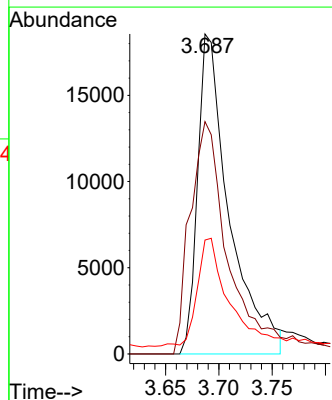
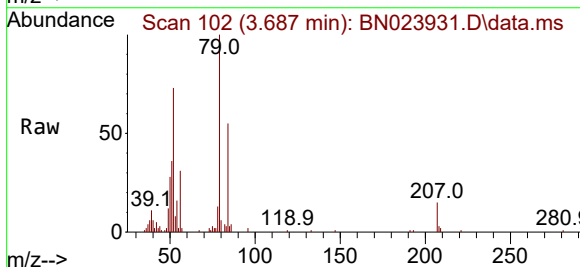
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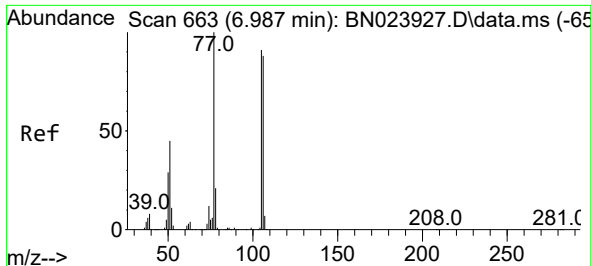
Tgt Ion: 88 Resp: 16327
Ion Ratio Lower Upper
88 100
43 34.3 42.1 63.1#
58 72.3 53.8 80.6



#5
Pyridine
Concen: 3.263 ng/uL
RT: 3.687 min Scan# 102
Delta R.T. 0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion: 79 Resp: 38393
Ion Ratio Lower Upper
79 100
52 72.6 56.4 84.6
51 35.6 26.6 39.8

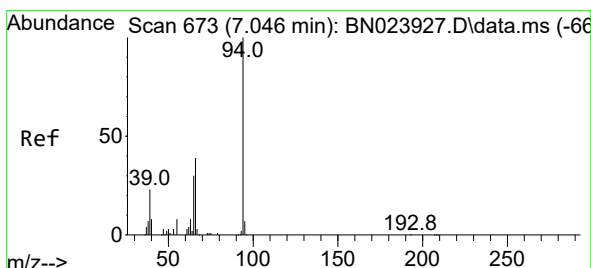
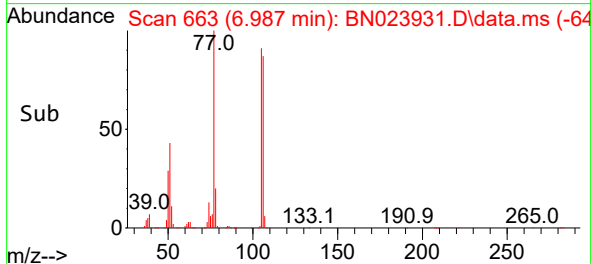
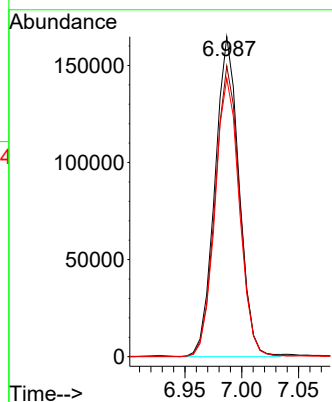
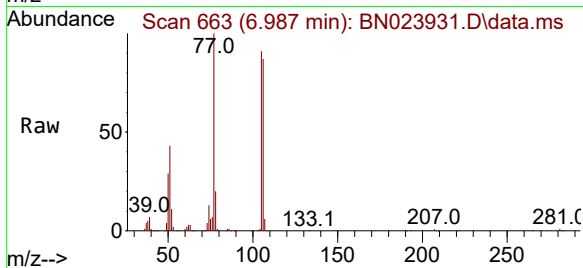




#6
Benzaldehyde
Concen: 37.985 ng/ul
RT: 6.987 min Scan# 663
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

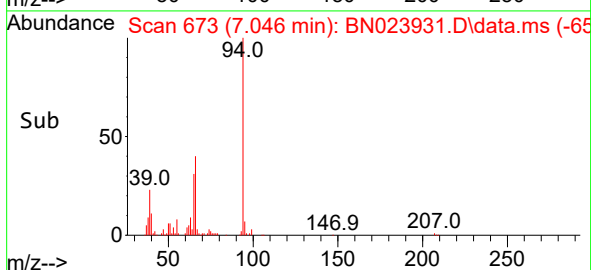
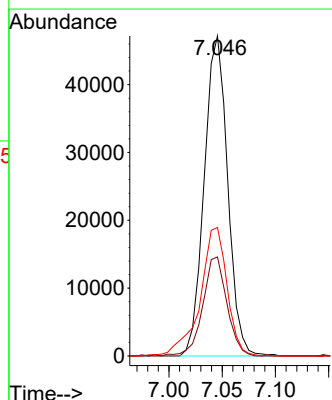
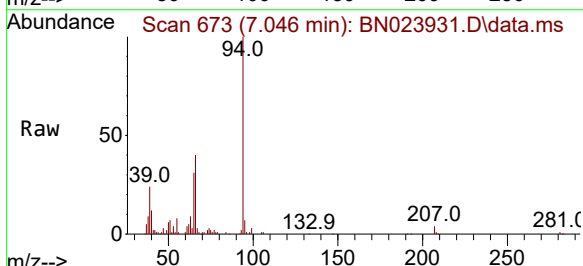
Instrument :
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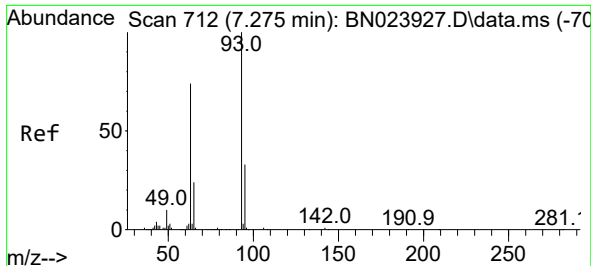
Tgt Ion: 77 Resp: 244008
Ion Ratio Lower Upper
77 100
105 90.8 73.6 110.4
106 87.0 70.2 105.4



#8
Phenol
Concen: 4.875 ng/ul
RT: 7.046 min Scan# 673
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion: 94 Resp: 72397
Ion Ratio Lower Upper
94 100
65 30.9 24.1 36.1
66 40.2 32.4 48.6



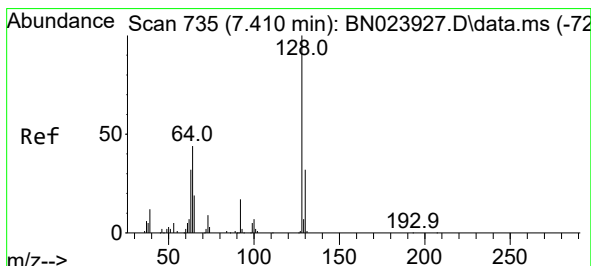
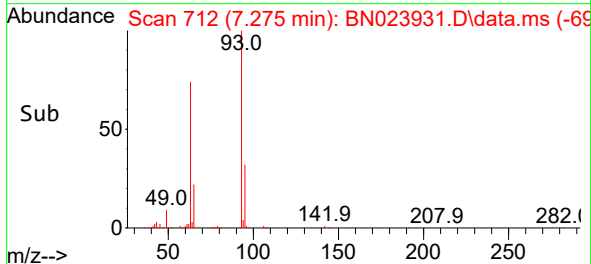
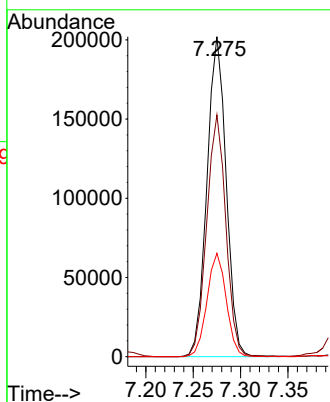
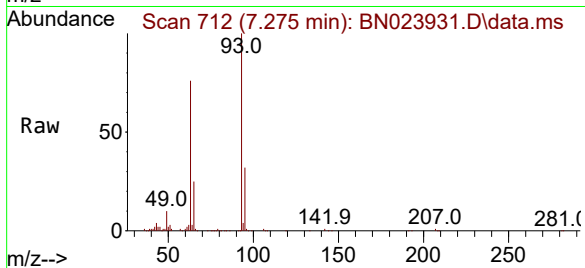


#10
 Bis(2-Chloroethyl)ether
 Concen: 23.617 ng/ul
 RT: 7.275 min Scan# 712
 Delta R.T. -0.006 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

Instrument :
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Tgt Ion: 93 Resp: 285757

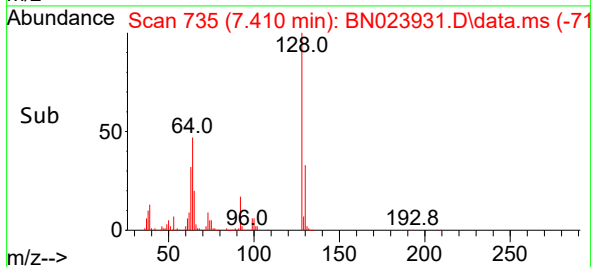
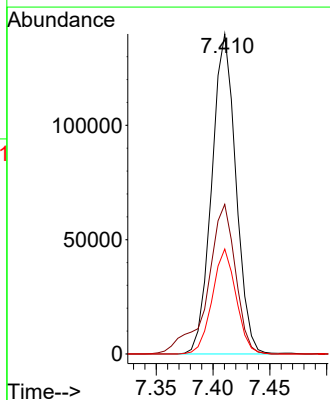
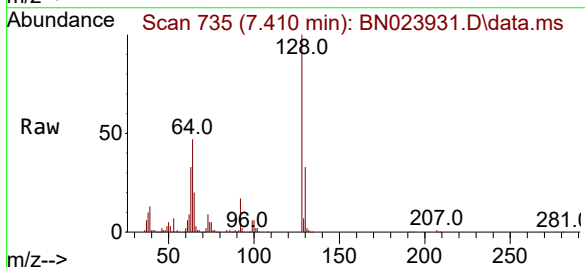
Ion	Ratio	Lower	Upper
93	100		
63	75.5	60.6	91.0
95	32.3	26.2	39.4

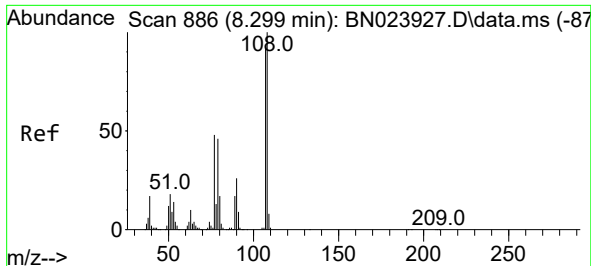


#12
 2-Chlorophenol
 Concen: 17.704 ng/ul
 RT: 7.410 min Scan# 735
 Delta R.T. -0.006 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

Tgt Ion:128 Resp: 206941

Ion	Ratio	Lower	Upper
128	100		
64	46.7	38.4	57.6
130	32.8	25.6	38.4





#13

2-Methylphenol

Concen: 13.230 ng/ul

RT: 8.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BN023931.D

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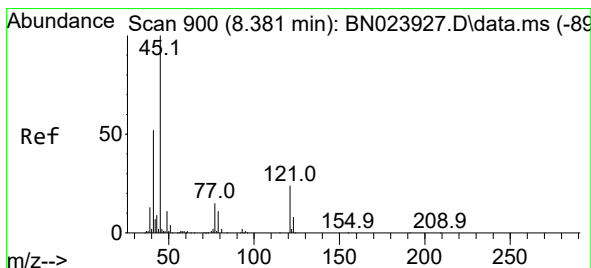
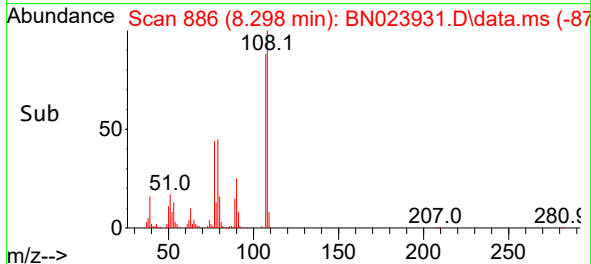
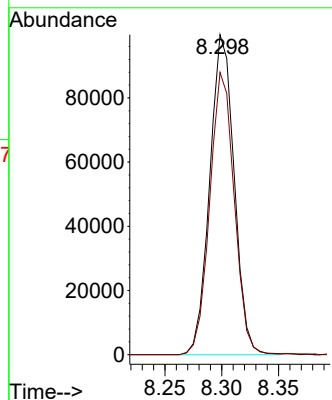
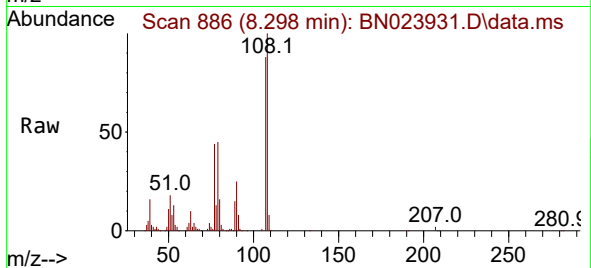
A44N8MS

Tgt Ion:108 Resp: 149078

Ion Ratio Lower Upper

108 100

107 88.2 72.6 109.0



#14

2,2'-oxybis(1-Chloropropane)

Concen: 23.325 ng/ul

RT: 8.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

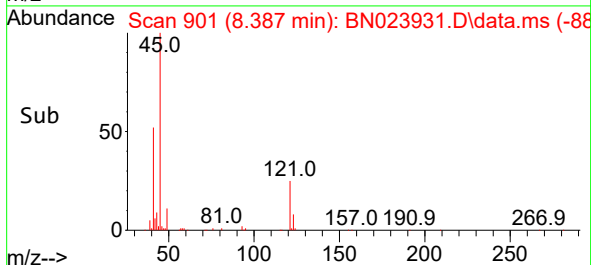
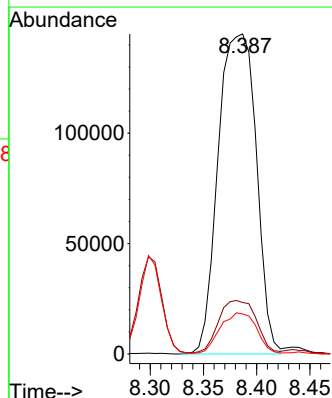
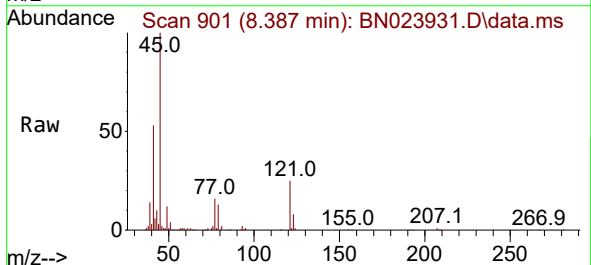
Tgt Ion: 45 Resp: 360384

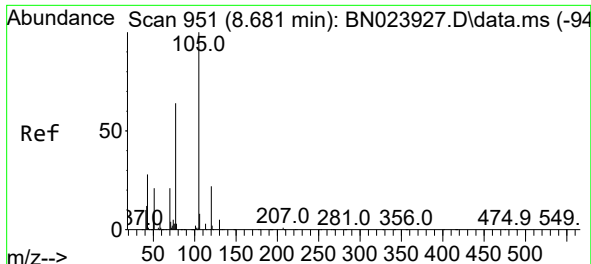
Ion Ratio Lower Upper

45 100

77 16.1 12.7 19.1

79 12.5 9.8 14.8

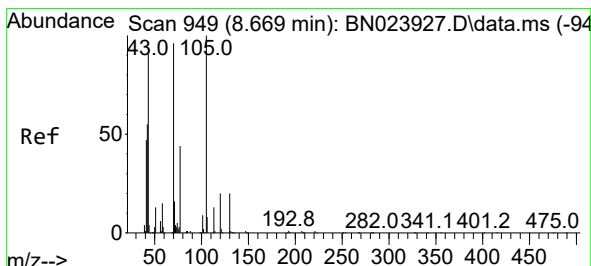
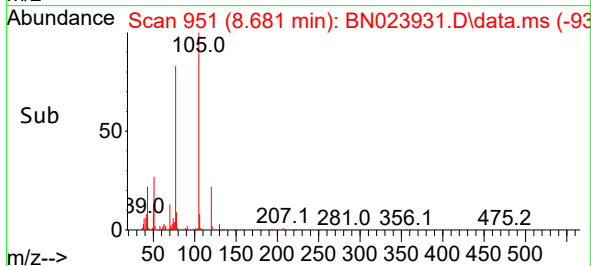
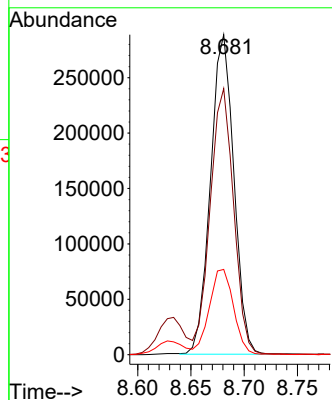
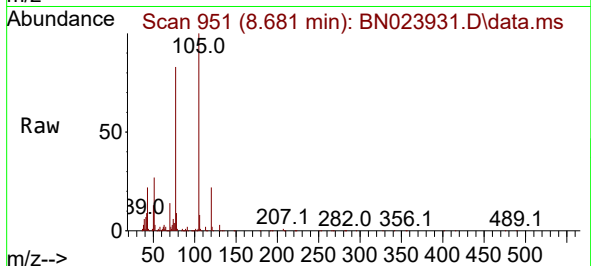




#16
Acetophenone
Concen: 24.224 ng/ul
RT: 8.681 min Scan# 91
Delta R.T. -0.006 min
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Acq: 03 Feb 2023 07:49

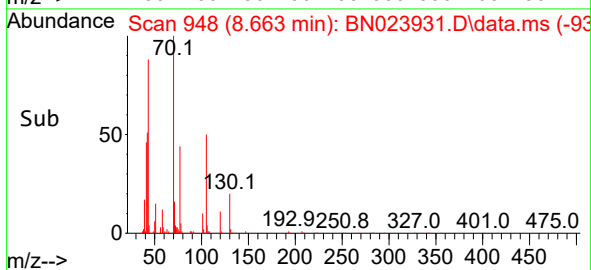
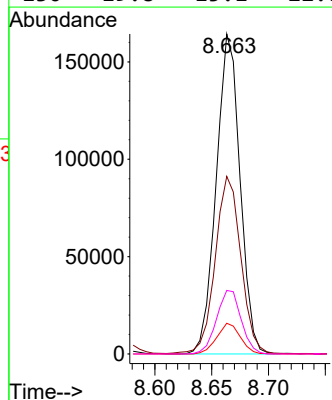
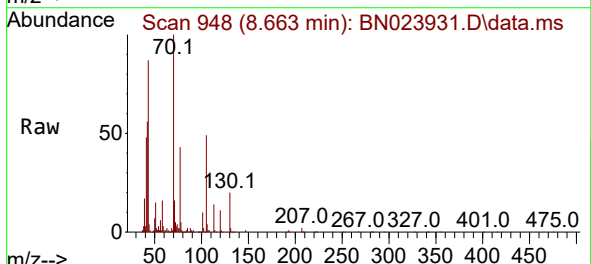
Instrument :
BNA_N
ClientSampleId :
A44N8MS

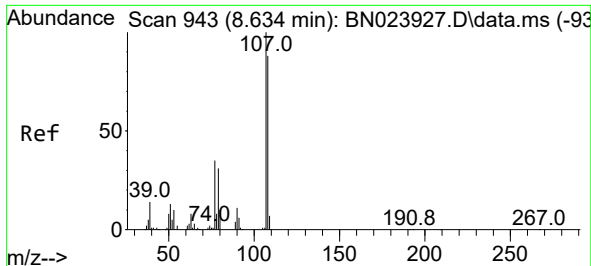
Tgt Ion:105 Resp: 439664
Ion Ratio Lower Upper
105 100
77 83.1 64.7 97.1
51 26.7 21.7 32.5



#17
N-Nitroso-di-n-propylamine
Concen: 24.080 ng/ul
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion: 70 Resp: 239923
Ion Ratio Lower Upper
70 100
42 55.5 47.6 71.4
101 9.6 7.4 11.0
130 19.8 15.1 22.7

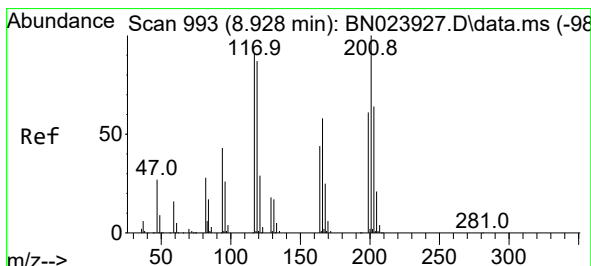
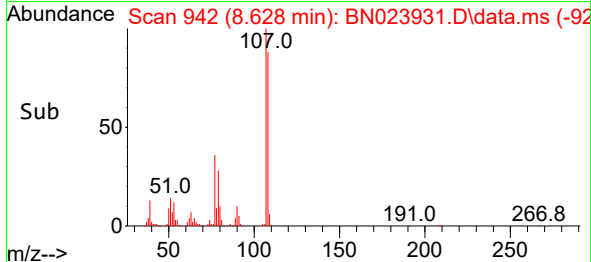
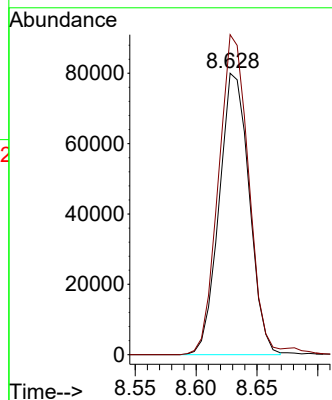
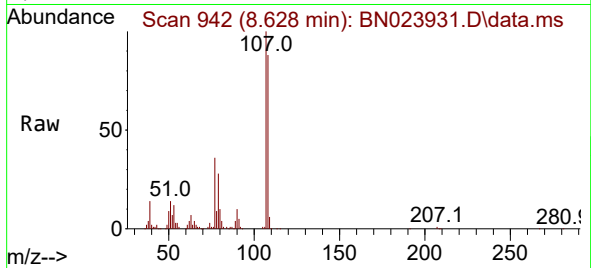




#18
4-Methylphenol
Concen: 11.285 ng/ul
RT: 8.628 min Scan# 943
Delta R.T. -0.012 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

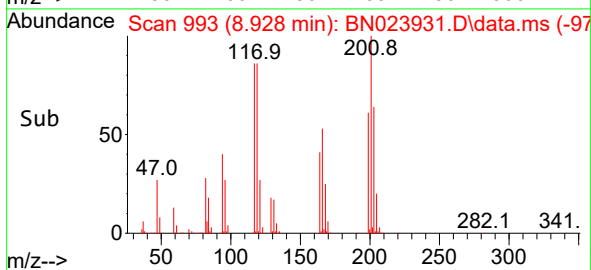
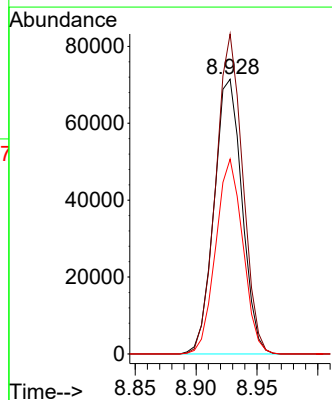
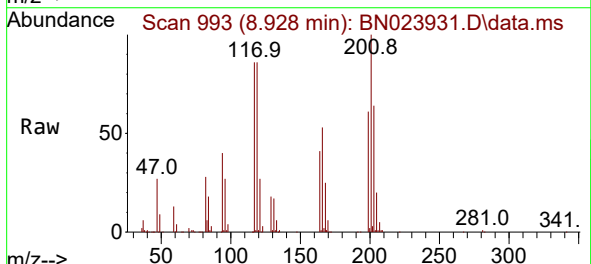
Instrument :
BNA_N
ClientSampleId :
A44N8MS

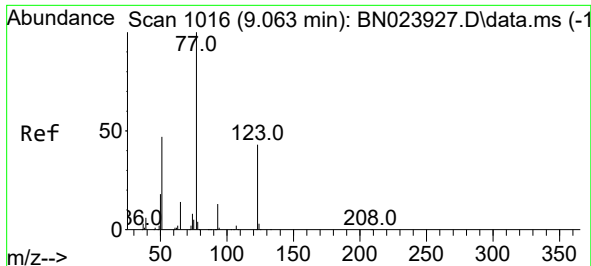
Tgt Ion:108 Resp: 137736
Ion Ratio Lower Upper
108 100
107 113.7 88.9 133.3



#19
Hexachloroethane
Concen: 23.323 ng/ul
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:117 Resp: 114178
Ion Ratio Lower Upper
117 100
201 116.5 88.8 133.2
199 71.0 55.0 82.4

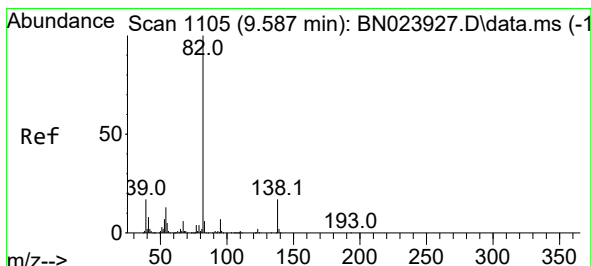
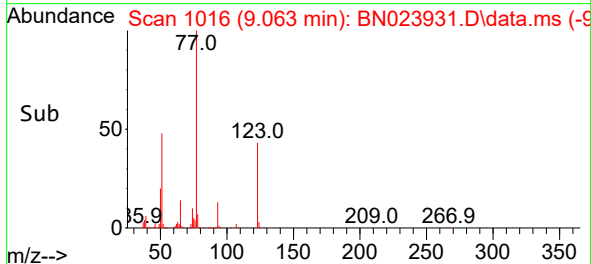
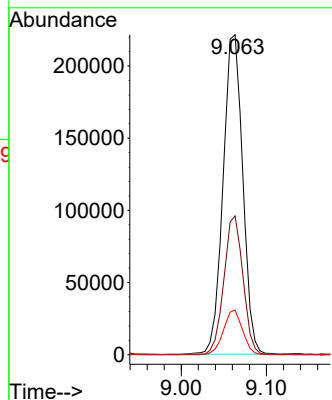
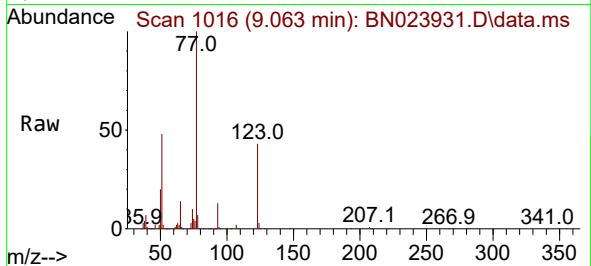




#22
Nitrobenzene
Concen: 23.760 ng/ul
RT: 9.063 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

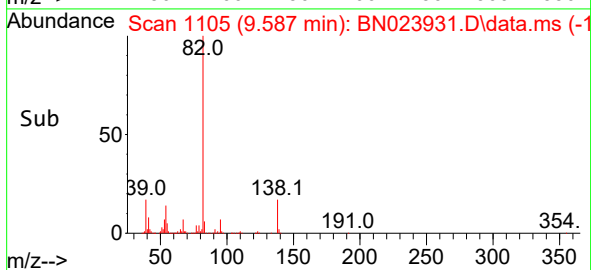
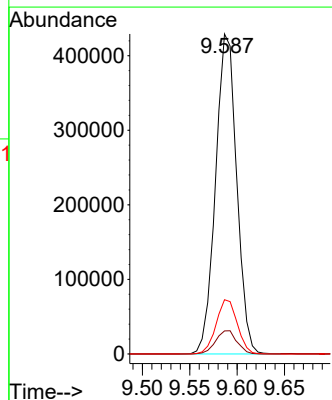
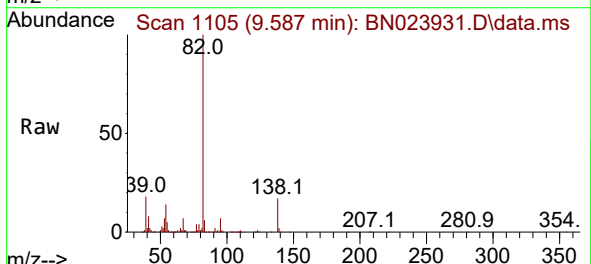
Instrument :
BNA_N
ClientSampleId :
A44N8MS

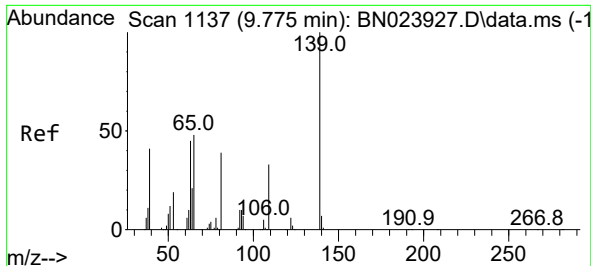
Tgt Ion: 77 Resp: 354948
Ion Ratio Lower Upper
77 100
123 43.4 34.2 51.2
65 13.9 10.9 16.3



#23
Isophorone
Concen: 23.638 ng/ul
RT: 9.587 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion: 82 Resp: 666483
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 16.9 13.4 20.2





#25

2-Nitrophenol

Concen: 22.724 ng/ul

RT: 9.775 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

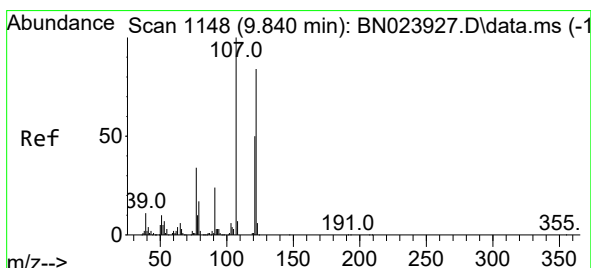
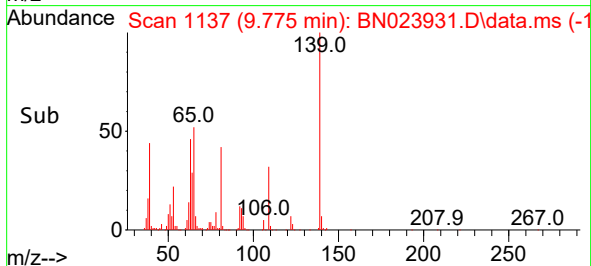
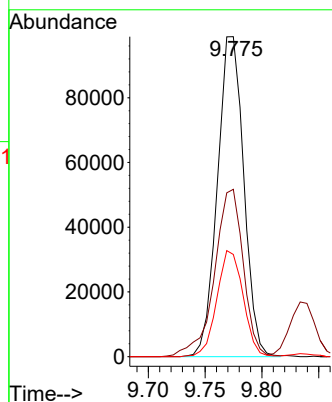
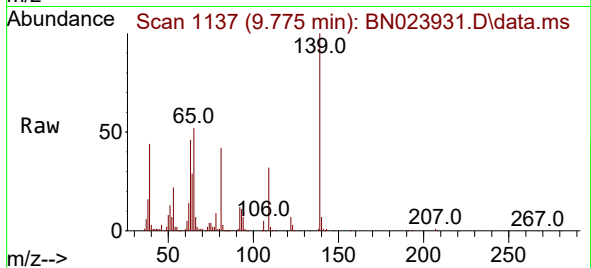
Tgt Ion:139 Resp: 159777

Ion Ratio Lower Upper

139 100

65 52.3 44.5 66.7

109 32.0 26.0 39.0



#26

2,4-Dimethylphenol

Concen: 18.867 ng/ul

RT: 9.834 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

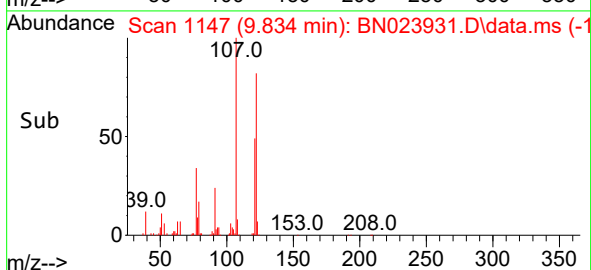
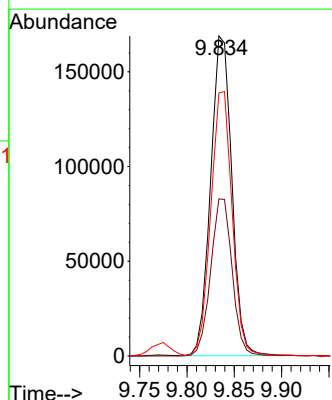
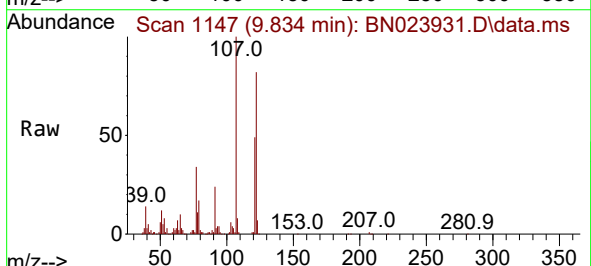
Tgt Ion:107 Resp: 262703

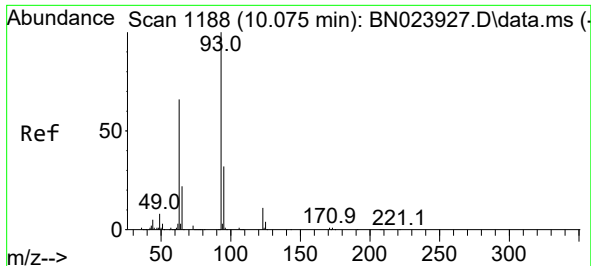
Ion Ratio Lower Upper

107 100

121 49.1 39.4 59.2

122 82.2 65.8 98.6

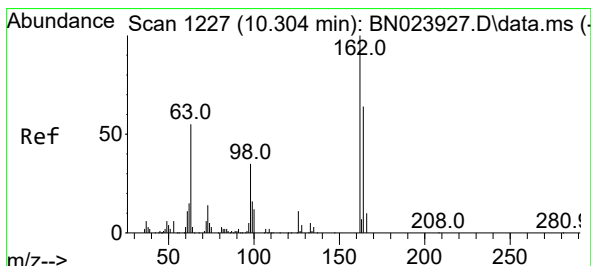
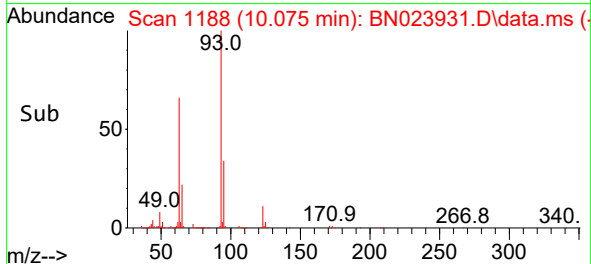
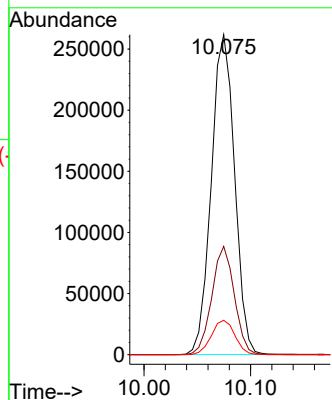
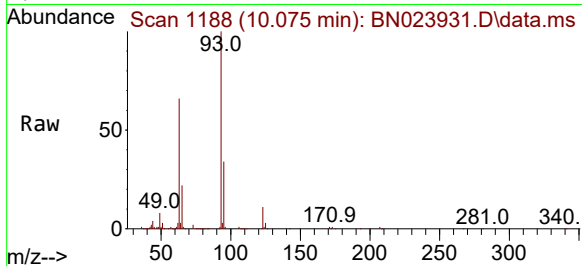




#27
 Bis(2-Chloroethoxy)methane
 Concen: 23.068 ng/ul
 RT: 10.075 min Scan# 1188
 Delta R.T. -0.006 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

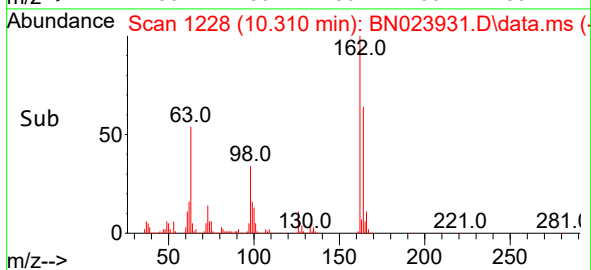
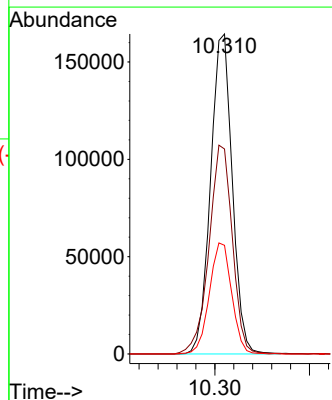
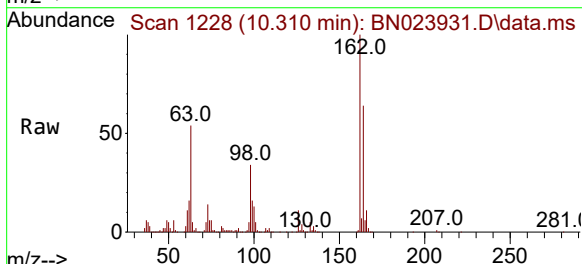
Instrument :
 BNA_N
 ClientSampleId :
 A44N8MS

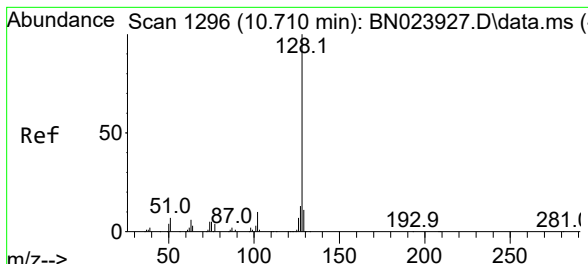
Tgt Ion: 93 Resp: 397370
 Ion Ratio Lower Upper
 93 100
 95 33.8 25.4 38.2
 123 10.7 8.8 13.2



#29
 2,4-Dichlorophenol
 Concen: 21.475 ng/ul
 RT: 10.310 min Scan# 1228
 Delta R.T. -0.000 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

Tgt Ion: 162 Resp: 261995
 Ion Ratio Lower Upper
 162 100
 164 64.0 51.4 77.0
 98 33.9 28.0 42.0

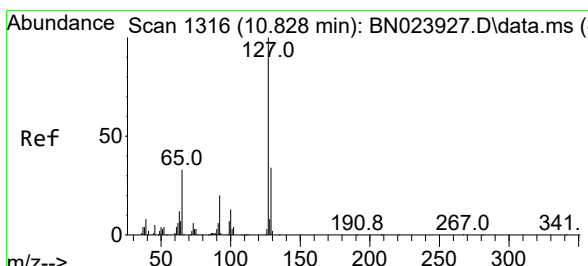
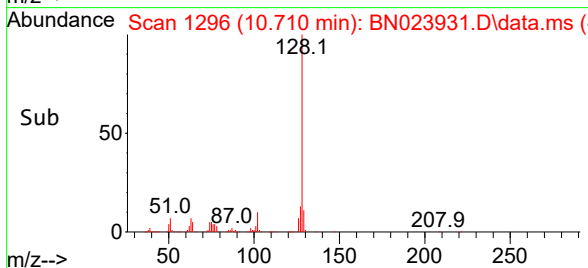
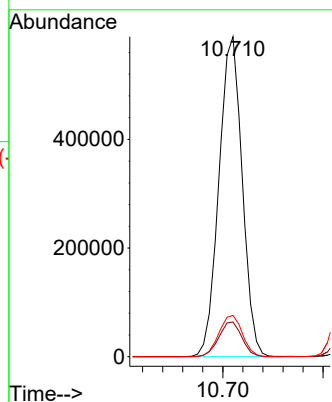
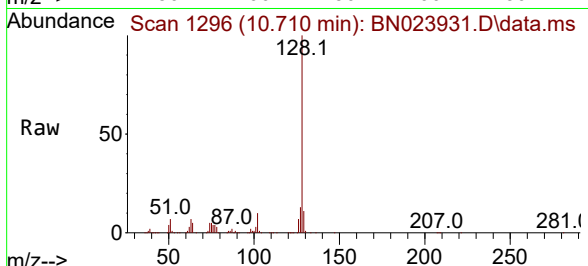




#30
Naphthalene
Concen: 23.866 ng/ul
RT: 10.710 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

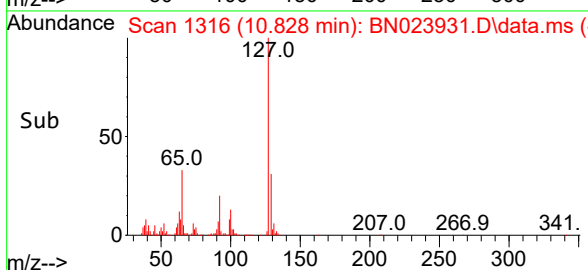
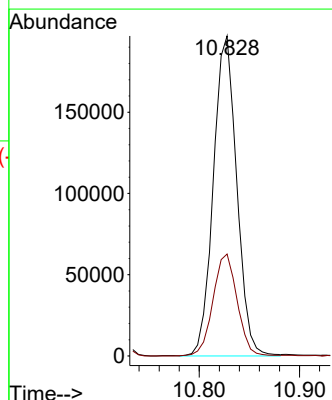
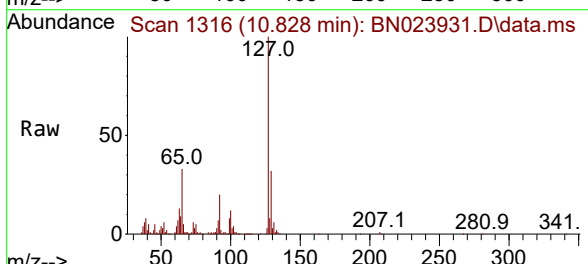
Instrument :
BNA_N
ClientSampleId :
A44N8MS

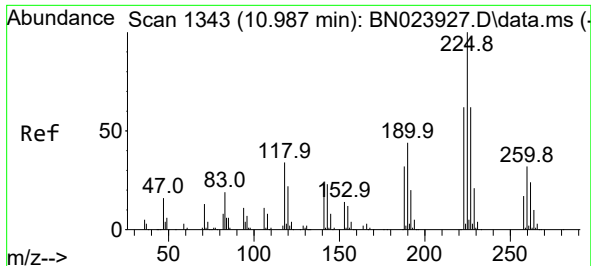
Tgt Ion:128 Resp: 947967
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.9 10.3 15.5



#32
4-Chloroaniline
Concen: 18.603 ng/ul
RT: 10.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:127 Resp: 319329
Ion Ratio Lower Upper
127 100
129 31.8 25.9 38.9

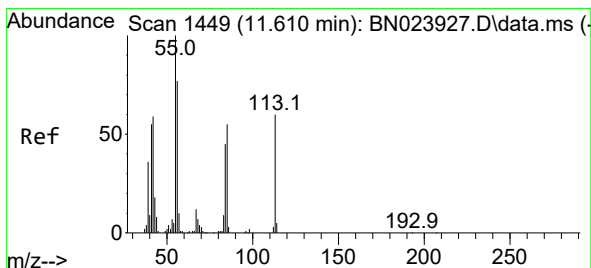
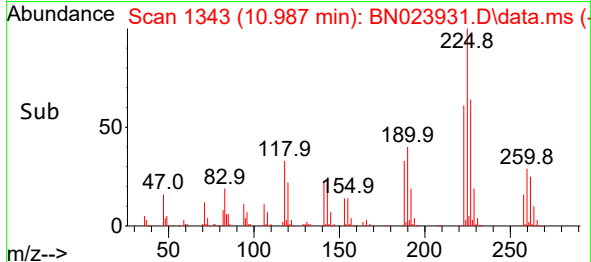
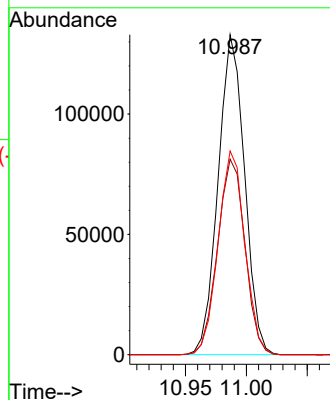
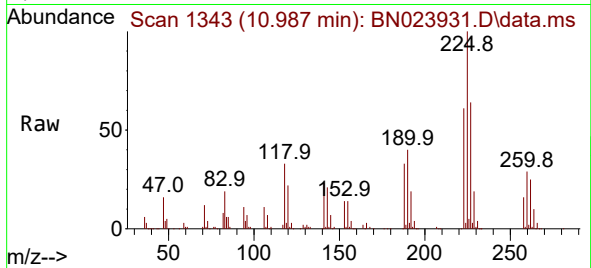




#33
Hexachlorobutadiene
Concen: 23.541 ng/ul
RT: 10.987 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

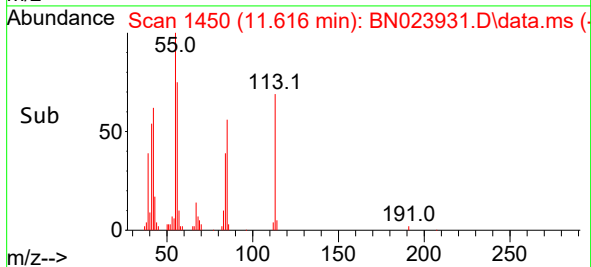
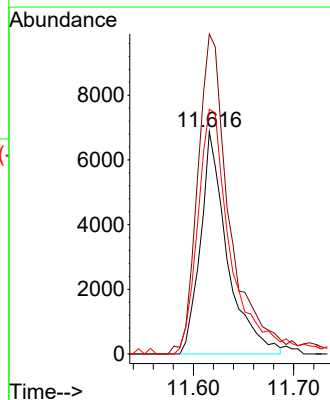
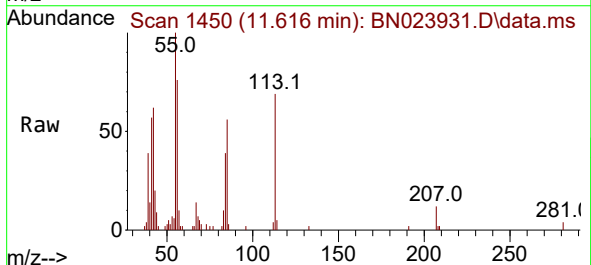
Instrument :
BNA_N
ClientSampleId :
A44N8MS

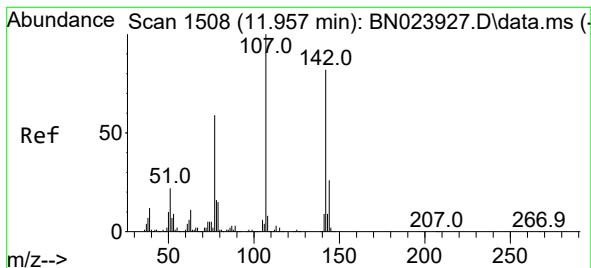
Tgt Ion:225 Resp: 201257
Ion Ratio Lower Upper
225 100
223 61.1 50.2 75.4
227 63.6 52.2 78.2



#34
Caprolactam
Concen: 3.357 ng/ul
RT: 11.616 min Scan# 1450
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:113 Resp: 12796
Ion Ratio Lower Upper
113 100
55 143.9 125.6 188.4
56 110.1 94.1 141.1

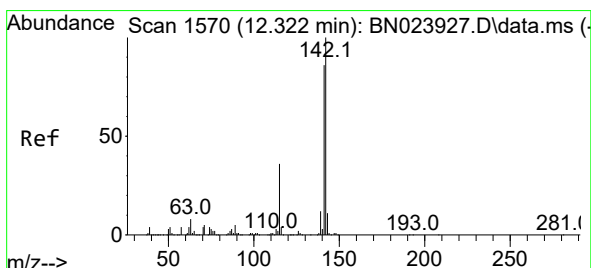
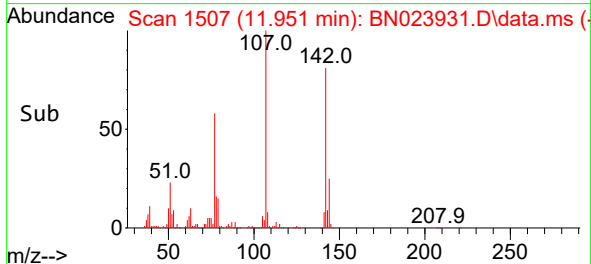
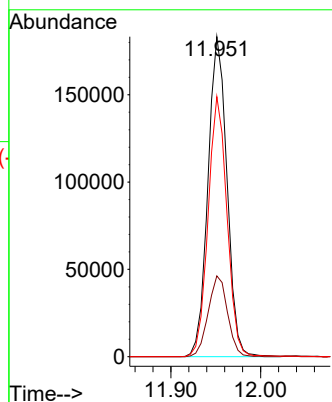
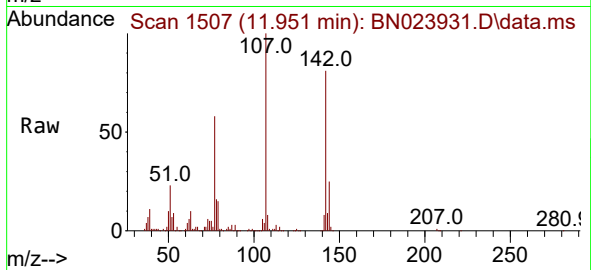




#35
 4-Chloro-3-methylphenol
 Concen: 20.655 ng/ul
 RT: 11.951 min Scan# 1507
 Delta R.T. -0.012 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

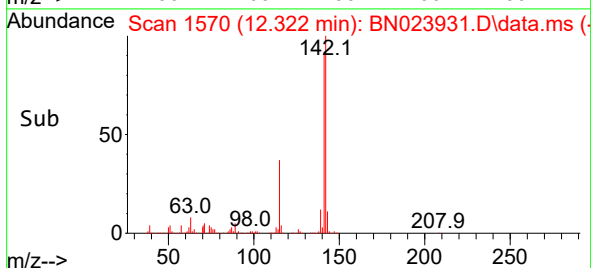
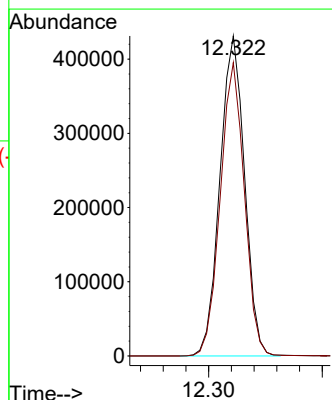
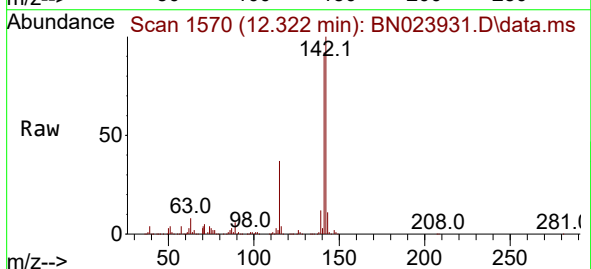
Instrument :
 BNA_N
 ClientSampleId :
 A44N8MS

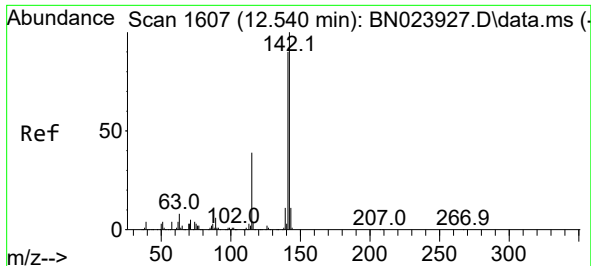
Tgt Ion:107 Resp: 270100
 Ion Ratio Lower Upper
 107 100
 144 25.3 21.7 32.5
 142 81.3 63.7 95.5



#36
 2-Methylnaphthalene
 Concen: 24.039 ng/ul
 RT: 12.322 min Scan# 1570
 Delta R.T. -0.006 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

Tgt Ion:142 Resp: 648807
 Ion Ratio Lower Upper
 142 100
 141 91.7 71.3 106.9

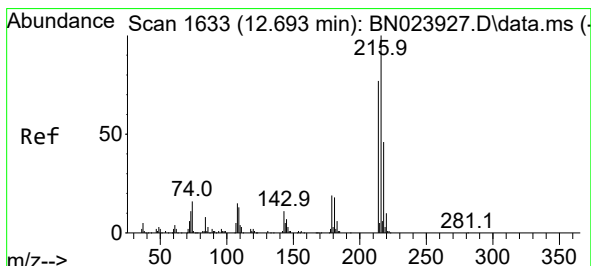
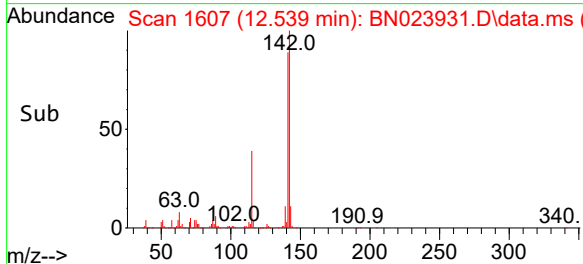
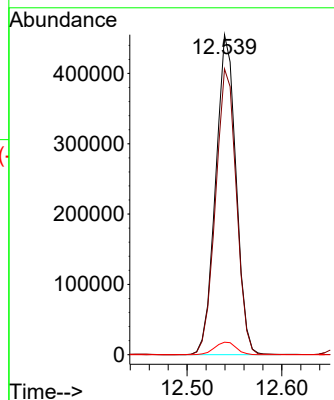
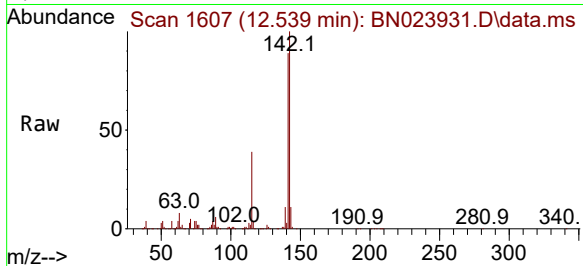




#37
1-Methylnaphthalene
Concen: 24.642 ng/ul
RT: 12.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

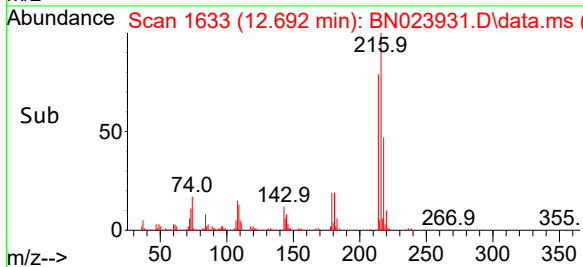
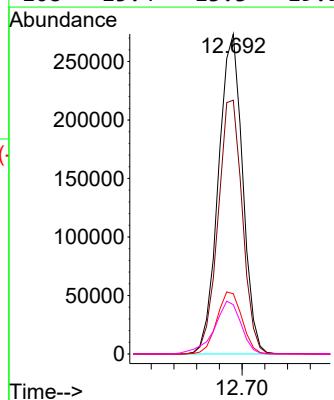
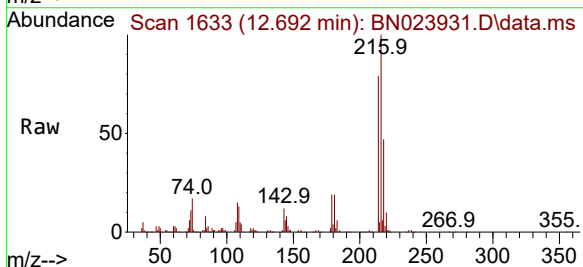
Instrument :
BNA_N
ClientSampleId :
A44N8MS

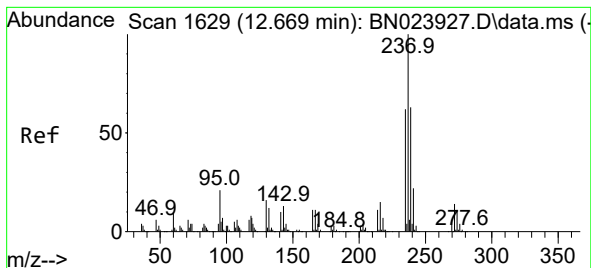
Tgt Ion:142 Resp: 680414
Ion Ratio Lower Upper
142 100
141 89.3 72.2 108.2
116 3.9 3.1 4.7



#39
1,2,4,5-Tetrachlorobenzene
Concen: 25.033 ng/ul
RT: 12.692 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:216 Resp: 404741
Ion Ratio Lower Upper
216 100
214 79.3 63.0 94.4
179 18.8 16.5 24.7
108 15.4 13.3 19.9





#40

Hexachlorocyclopentadiene

Concen: 17.270 ng/ul

RT: 12.663 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

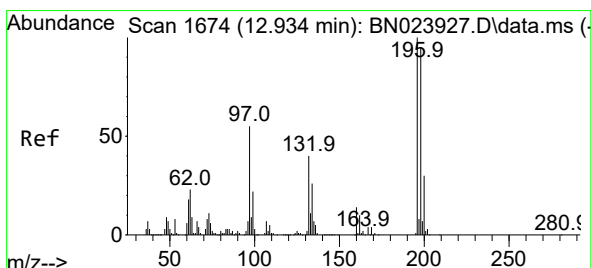
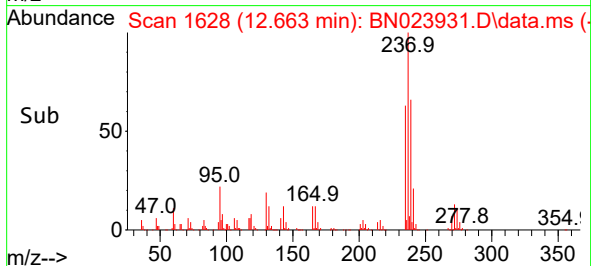
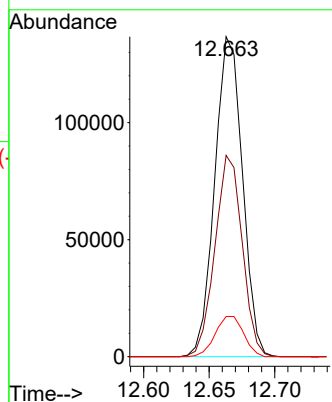
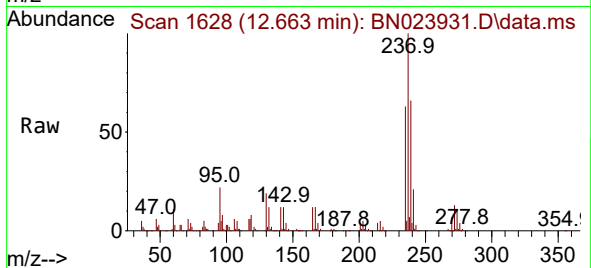
Tgt Ion:237 Resp: 201028

Ion Ratio Lower Upper

237 100

235 62.9 53.0 79.4

272 12.5 10.1 15.1



#41

2,4,6-Trichlorophenol

Concen: 25.252 ng/ul

RT: 12.934 min Scan# 1674

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

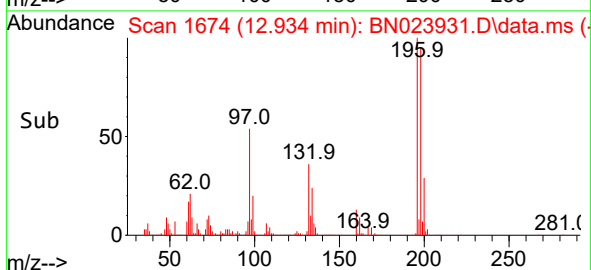
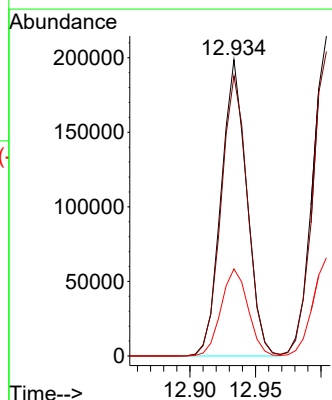
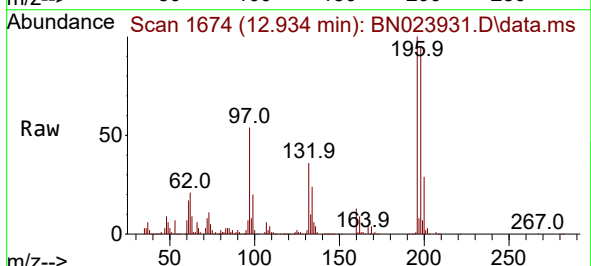
Tgt Ion:196 Resp: 269381

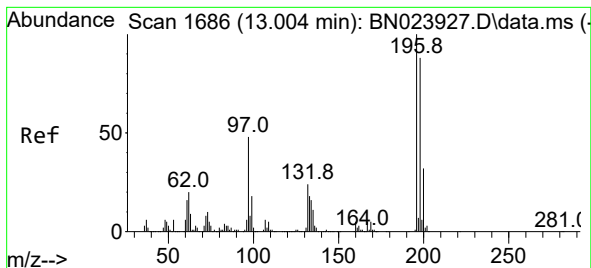
Ion Ratio Lower Upper

196 100

198 94.6 76.8 115.2

200 29.4 25.0 37.6





#42

2,4,5-Trichlorophenol

Concen: 26.454 ng/ul

RT: 13.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

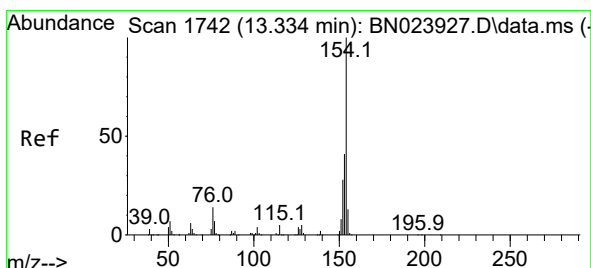
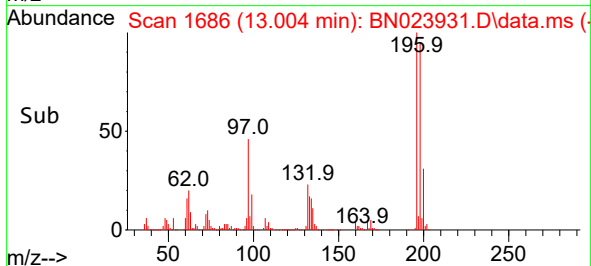
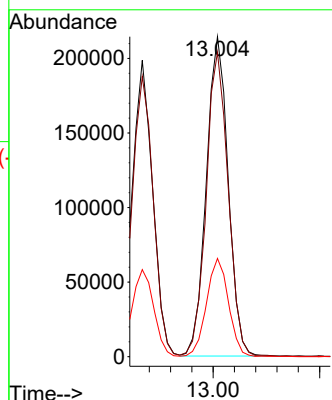
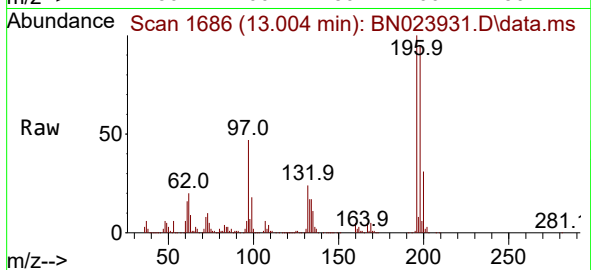
Tgt Ion:196 Resp: 305672

Ion Ratio Lower Upper

196 100

198 95.1 77.6 116.4

200 30.7 24.6 37.0



#43

1,1'-Biphenyl

Concen: 25.213 ng/ul

RT: 13.334 min Scan# 1742

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

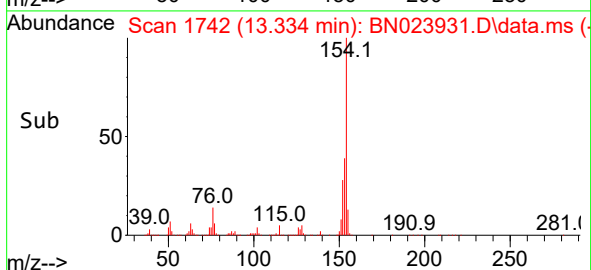
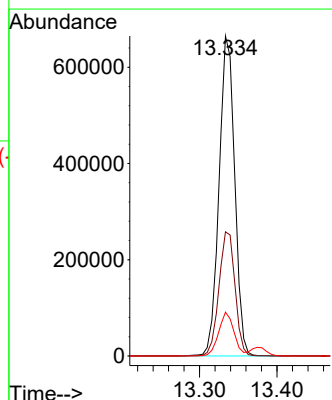
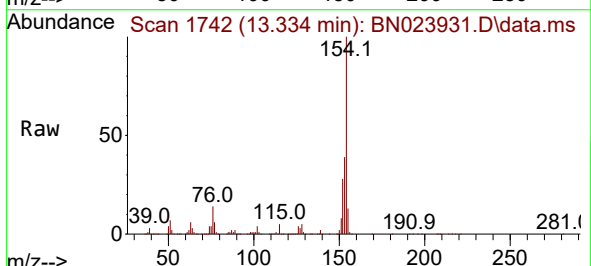
Tgt Ion:154 Resp: 934934

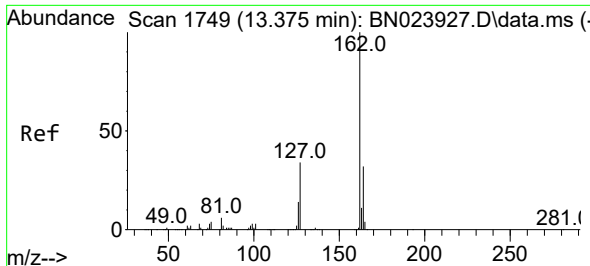
Ion Ratio Lower Upper

154 100

153 38.8 32.6 48.8

76 13.7 10.7 16.1

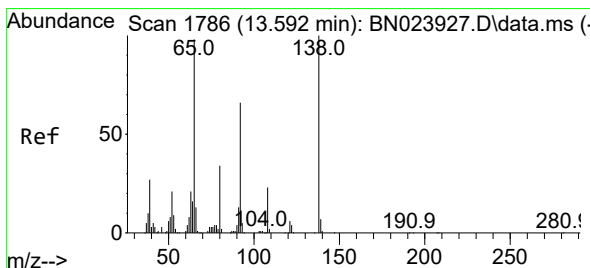
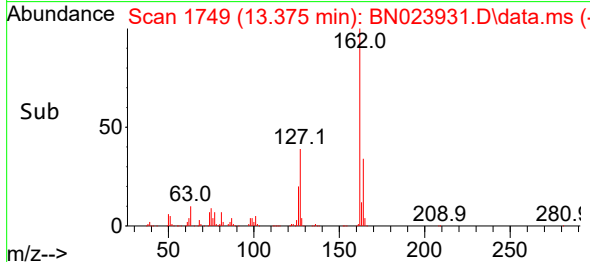
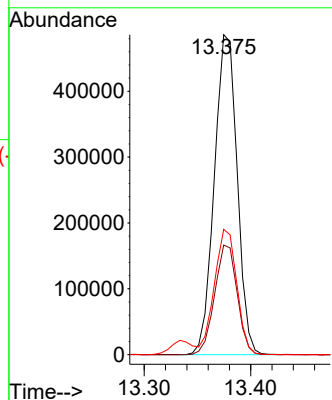
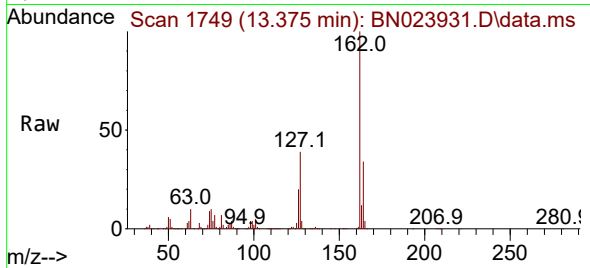




#44
2-Chloronaphthalene
Concen: 25.070 ng/ul
RT: 13.375 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

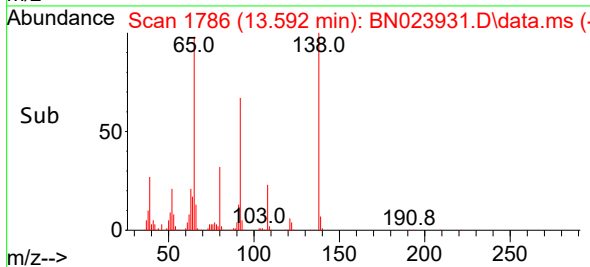
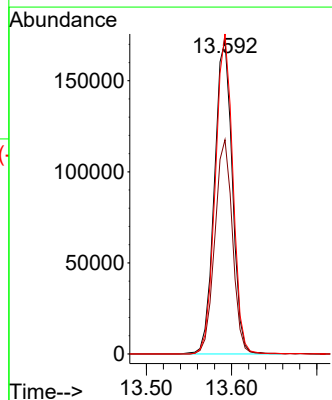
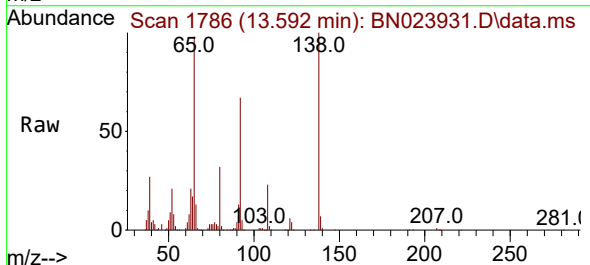
Instrument :
BNA_N
ClientSampleId :
A44N8MS

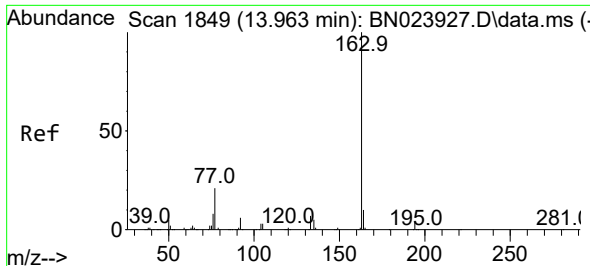
Tgt Ion:162 Resp: 723331
Ion Ratio Lower Upper
162 100
164 34.2 25.9 38.9
127 39.2 30.7 46.1



#45
2-Nitroaniline
Concen: 28.897 ng/ul
RT: 13.592 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion: 65 Resp: 250342
Ion Ratio Lower Upper
65 100
92 68.4 53.2 79.8
138 102.2 78.3 117.5

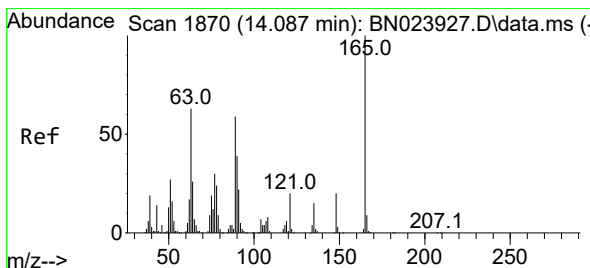
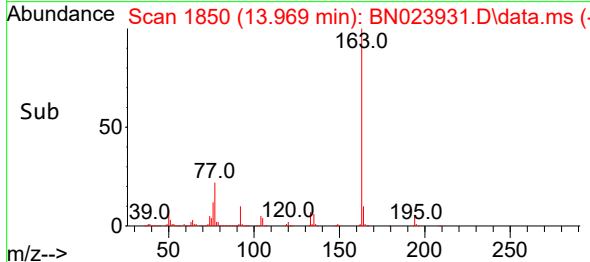
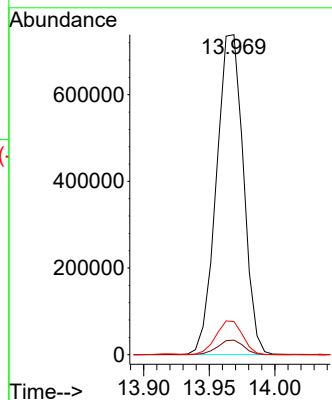
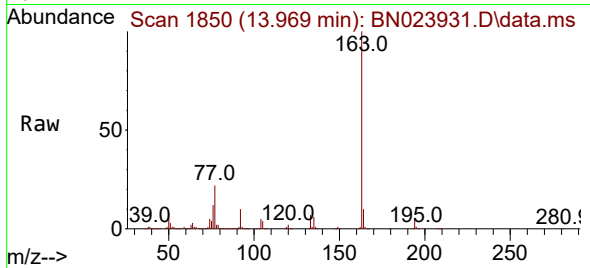




#47
Dimethylphthalate
Concen: 28.306 ng/ul
RT: 13.969 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

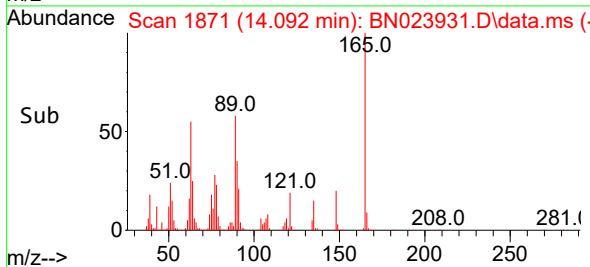
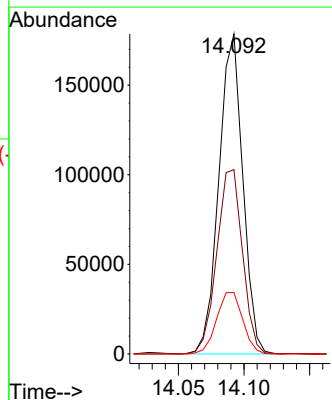
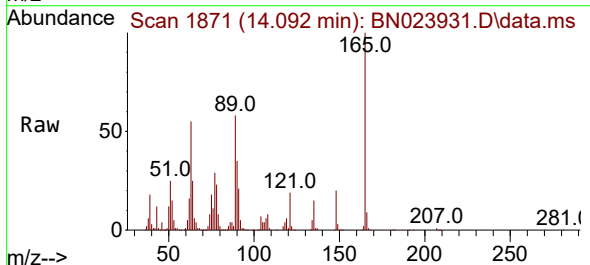
Instrument :
BNA_N
ClientSampleId :
A44N8MS

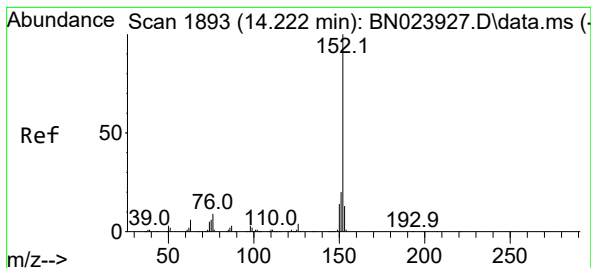
Tgt Ion:163 Resp: 1055357
Ion Ratio Lower Upper
163 100
194 4.6 3.5 5.3
164 10.4 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 30.659 ng/ul
RT: 14.092 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:165 Resp: 226626
Ion Ratio Lower Upper
165 100
89 57.6 50.8 76.2
121 19.2 16.8 25.2





#50

Acenaphthylene

Concen: 26.671 ng/ul

RT: 14.228 min Scan# 1893

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

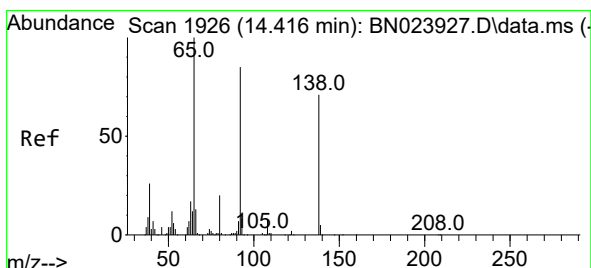
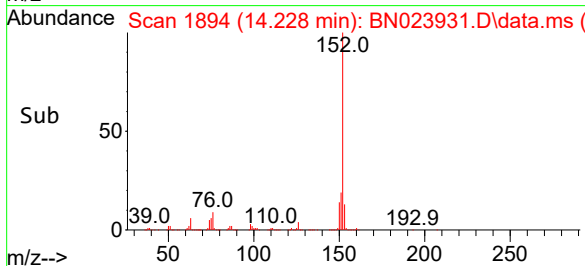
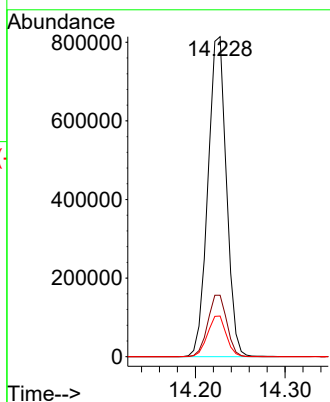
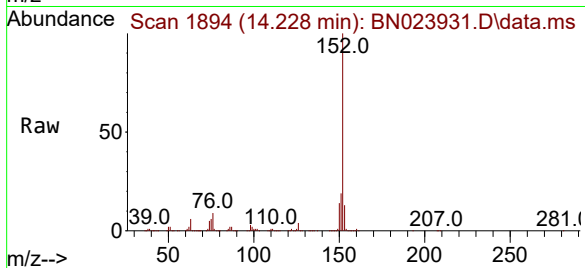
Tgt Ion:152 Resp: 1164158

Ion Ratio Lower Upper

152 100

151 19.2 16.3 24.5

153 12.7 10.3 15.5



#51

3-Nitroaniline

Concen: 30.910 ng/ul

RT: 14.416 min Scan# 1926

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

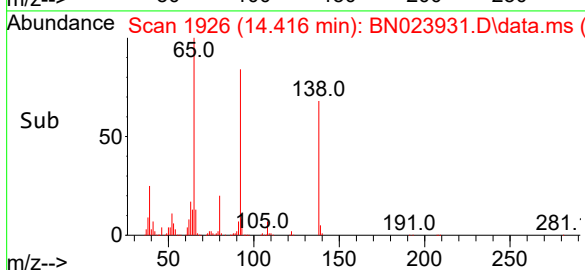
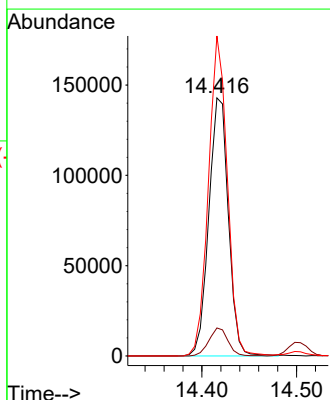
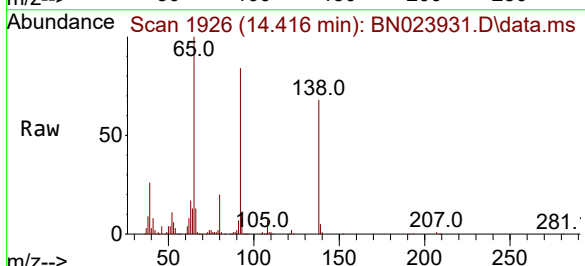
Tgt Ion:138 Resp: 205672

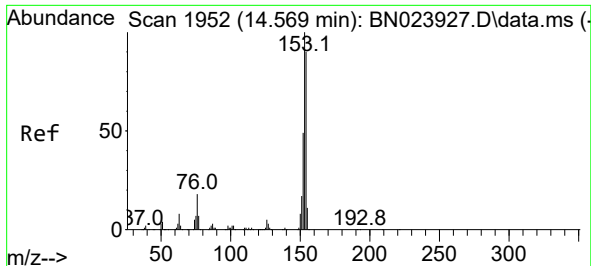
Ion Ratio Lower Upper

138 100

108 10.9 9.1 13.7

92 124.0 97.6 146.4

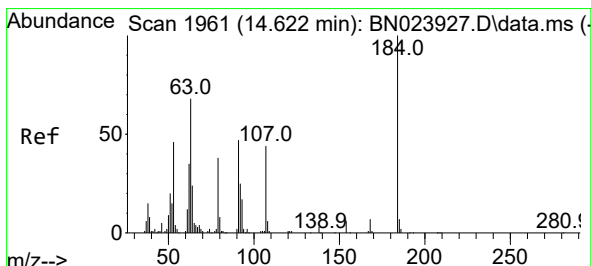
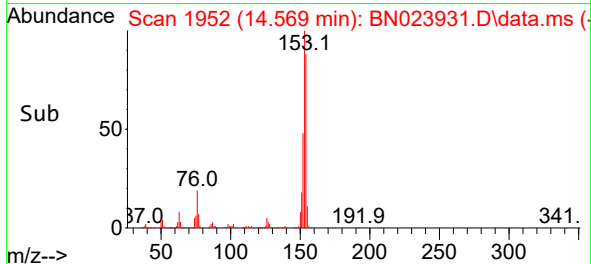
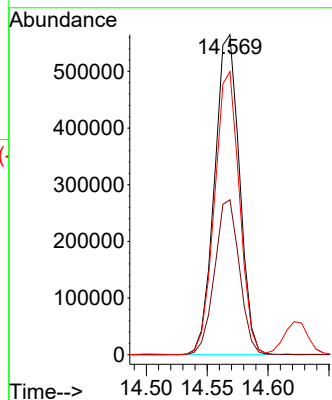
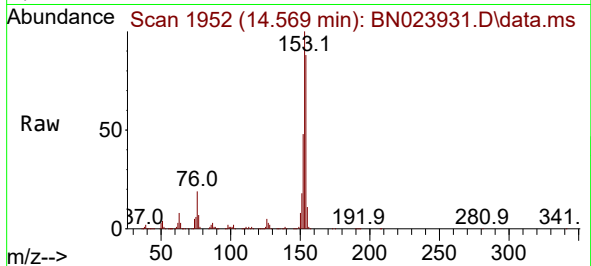




#52
Acenaphthene
Concen: 26.568 ng/ul
RT: 14.569 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

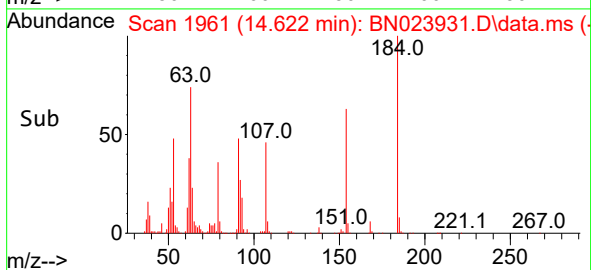
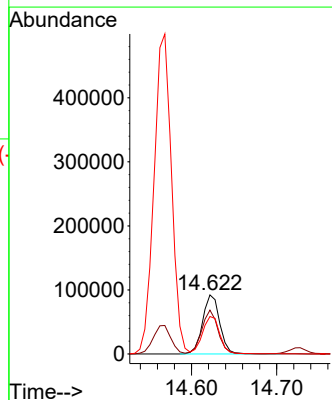
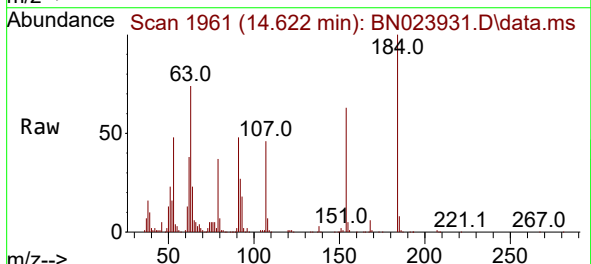
Instrument :
BNA_N
ClientSampleId :
A44N8MS

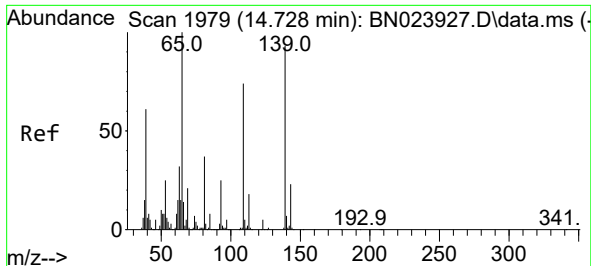
Tgt Ion:153 Resp: 805017
Ion Ratio Lower Upper
153 100
152 48.4 38.9 58.3
154 88.5 72.7 109.1



#53
2,4-Dinitrophenol
Concen: 24.683 ng/ul
RT: 14.622 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:184 Resp: 128263
Ion Ratio Lower Upper
184 100
63 74.3 53.2 79.8
154 63.5 50.6 76.0

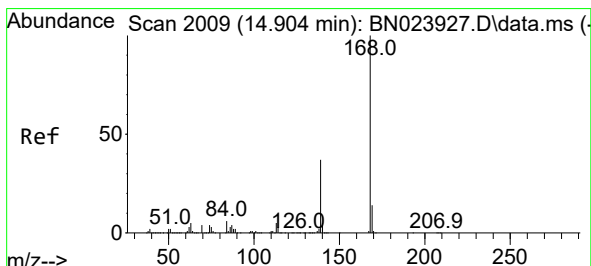
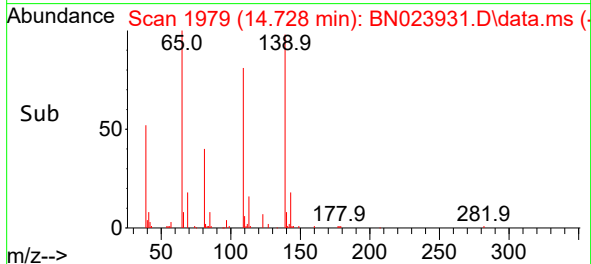
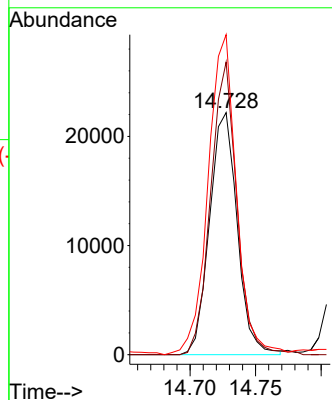
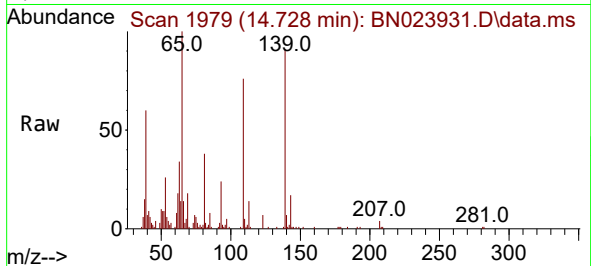




#55
4-Nitrophenol
Concen: 5.620 ng/ul
RT: 14.728 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

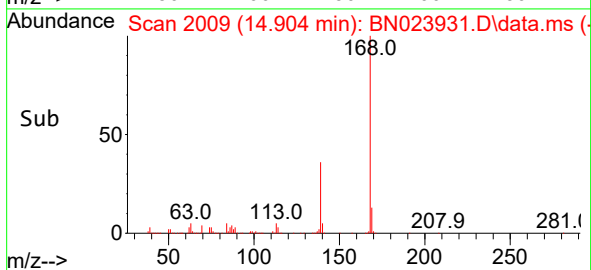
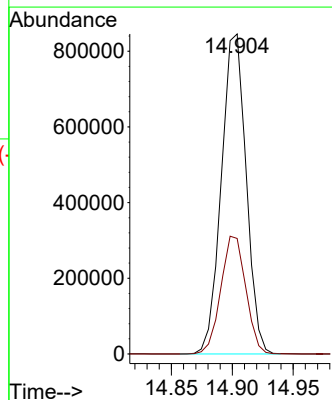
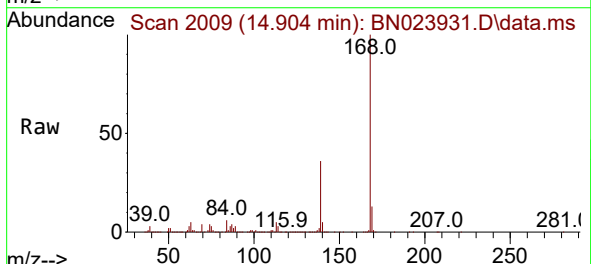
Instrument :
BNA_N
ClientSampleId :
A44N8MS

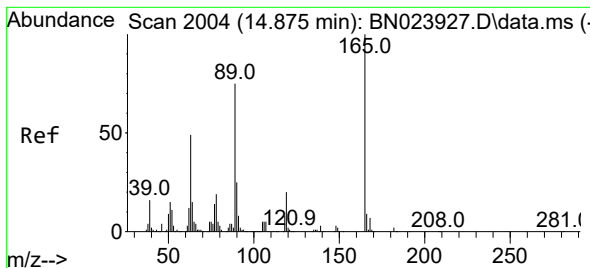
Tgt Ion:109 Resp: 32539
Ion Ratio Lower Upper
109 100
139 120.8 98.1 147.1
65 132.2 101.6 152.4



#56
Dibenzofuran
Concen: 27.735 ng/ul
RT: 14.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:168 Resp: 1198838
Ion Ratio Lower Upper
168 100
139 36.1 29.0 43.6





#57

2,4-Dinitrotoluene

Concen: 31.701 ng/ul

RT: 14.875 min Scan# 2004

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

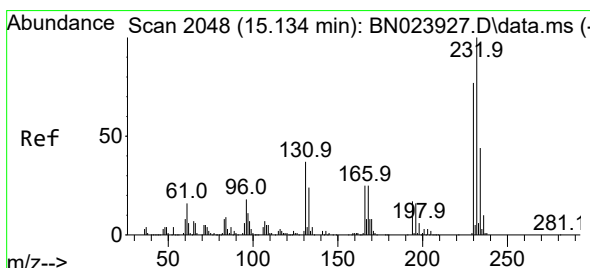
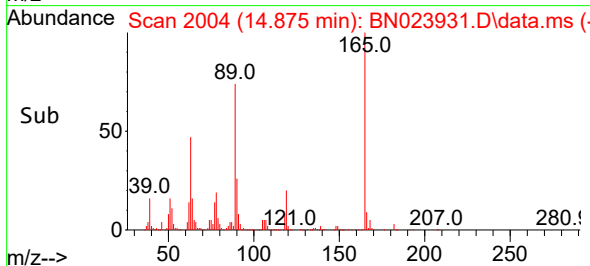
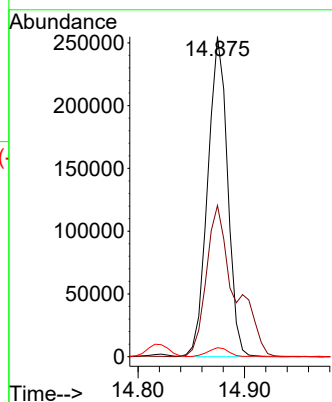
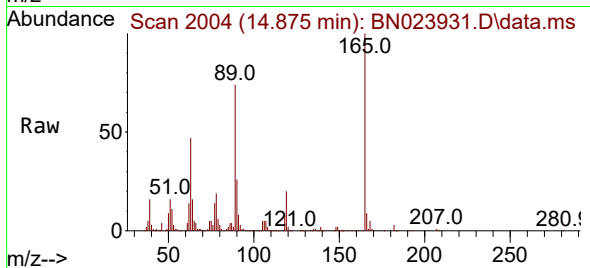
Tgt Ion:165 Resp: 331533

Ion Ratio Lower Upper

165 100

63 47.3 40.7 61.1

182 2.8 2.3 3.5



#58

2,3,4,6-Tetrachlorophenol

Concen: 28.391 ng/ul

RT: 15.128 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Tgt Ion:232 Resp: 292567

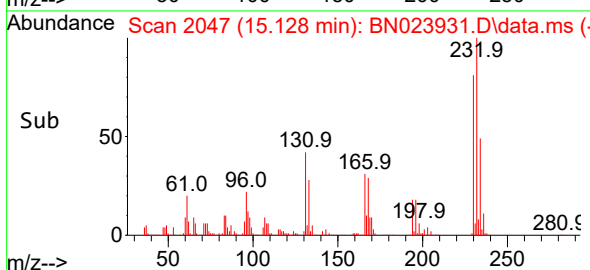
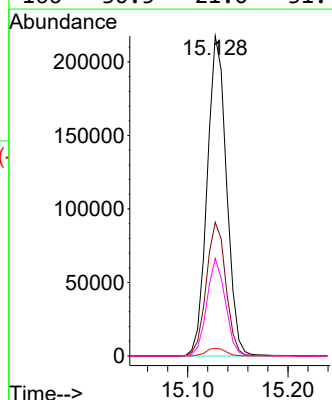
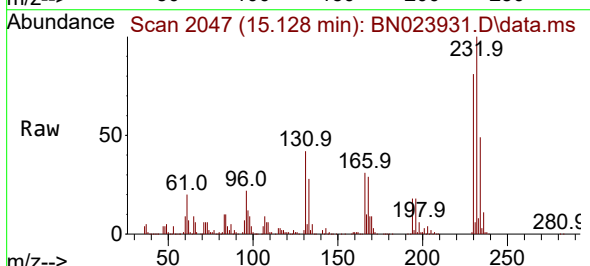
Ion Ratio Lower Upper

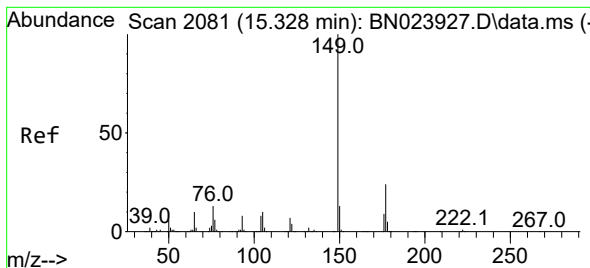
232 100

131 41.7 32.0 48.0

130 2.4 1.8 2.6

166 30.5 21.0 31.4





#59

Diethylphthalate

Concen: 29.799 ng/ul

RT: 15.328 min Scan# 2081

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

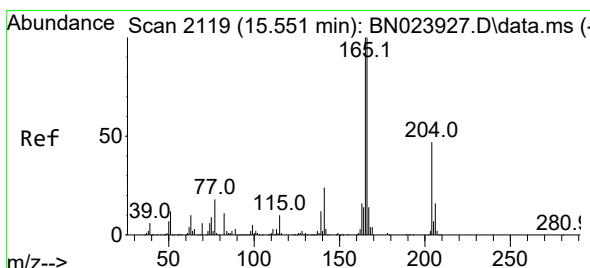
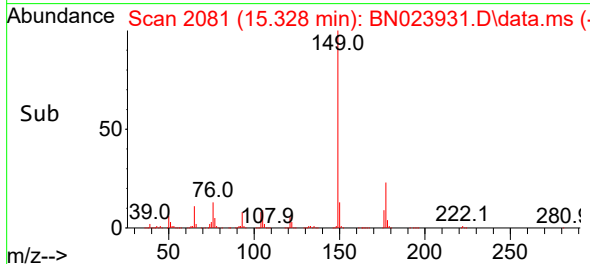
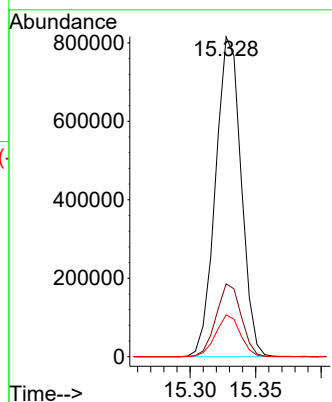
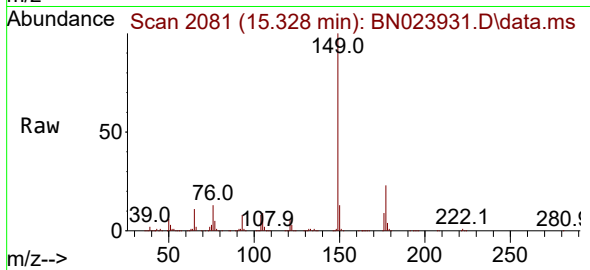
Tgt Ion:149 Resp: 1103965

Ion Ratio Lower Upper

149 100

177 22.8 17.8 26.6

150 13.1 9.4 14.2



#61

Fluorene

Concen: 28.577 ng/ul

RT: 15.551 min Scan# 2119

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

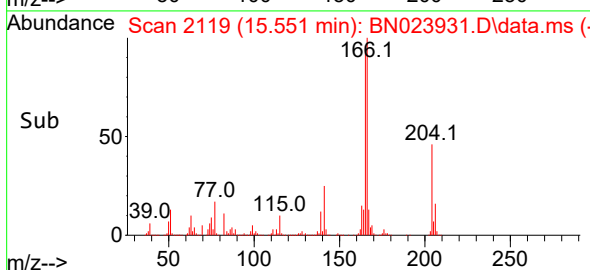
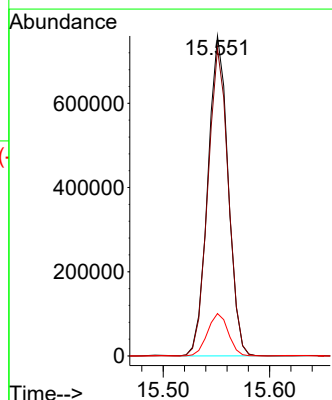
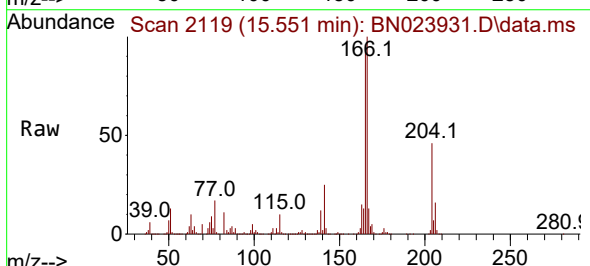
Tgt Ion:166 Resp: 1010189

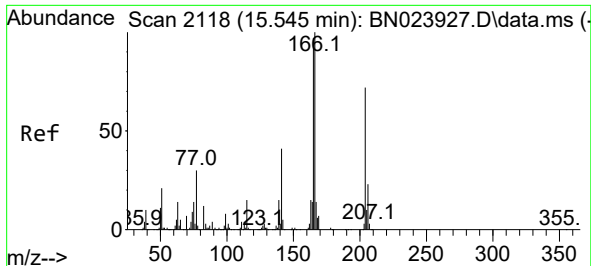
Ion Ratio Lower Upper

166 100

165 96.0 74.1 111.1

167 13.3 10.6 16.0

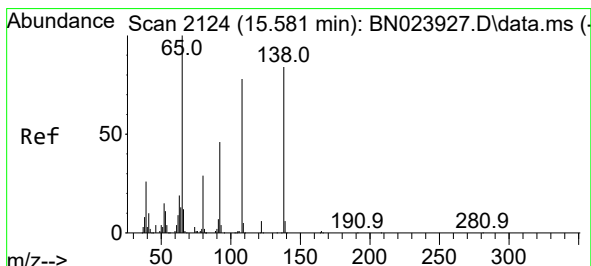
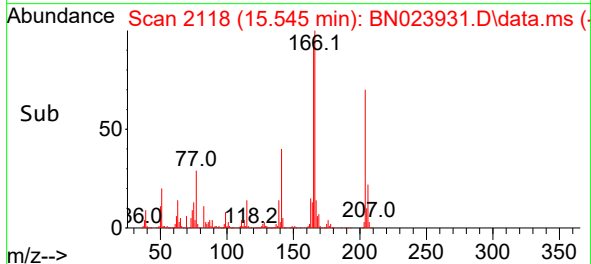
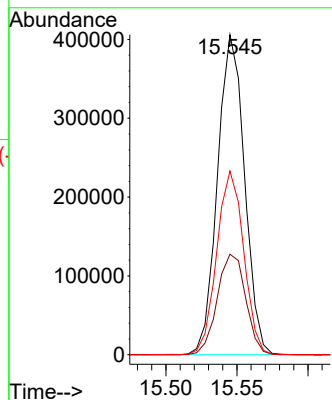
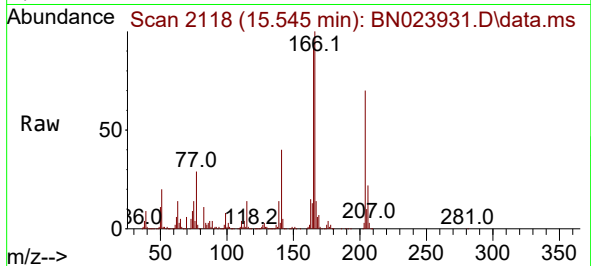




#62
4-Chlorophenyl-phenylether
Concen: 28.941 ng/ul
RT: 15.545 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

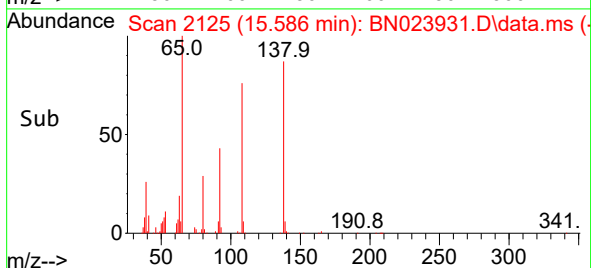
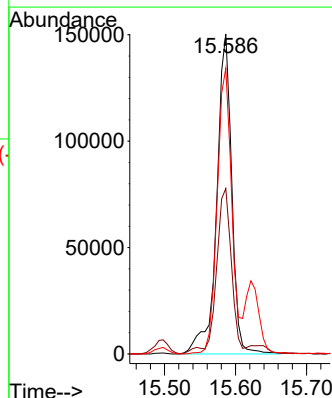
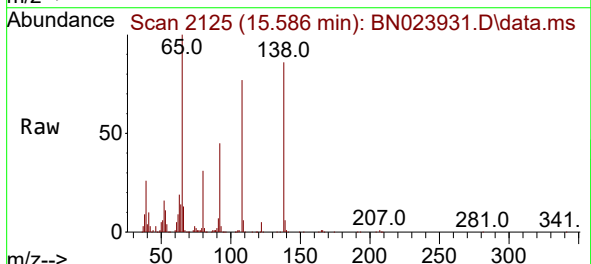
Instrument :
BNA_N
ClientSampleId :
A44N8MS

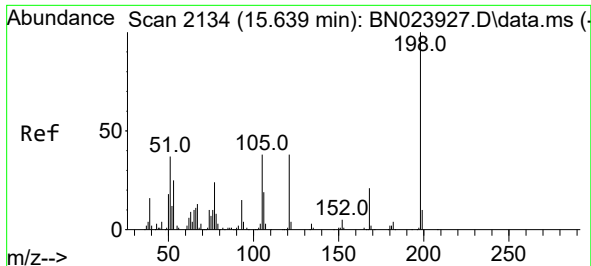
Tgt Ion:204 Resp: 536696
Ion Ratio Lower Upper
204 100
206 31.4 27.2 40.8
141 57.4 45.2 67.8



#63
4-Nitroaniline
Concen: 36.651 ng/ul
RT: 15.586 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:138 Resp: 221340
Ion Ratio Lower Upper
138 100
92 51.7 41.5 62.3
108 89.2 71.0 106.6

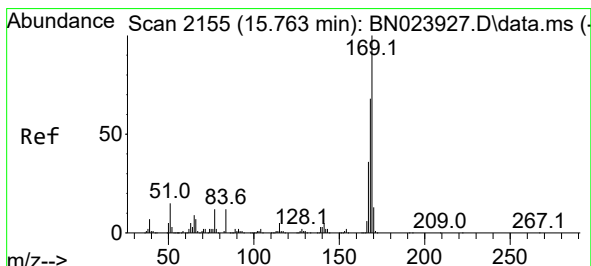
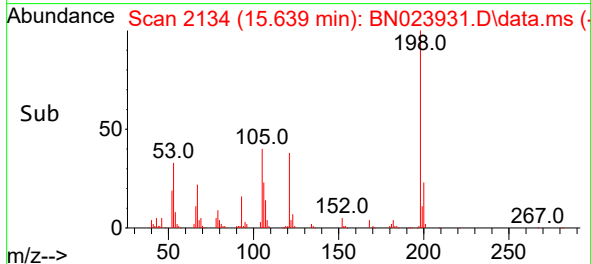
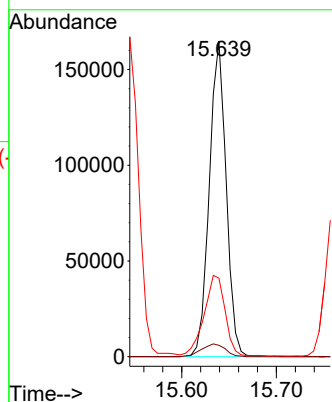
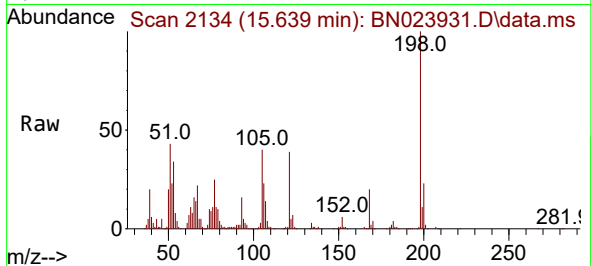




#66
 4,6-Dinitro-2-methylphenol
 Concen: 28.755 ng/ul
 RT: 15.639 min Scan# 2134
 Delta R.T. -0.000 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

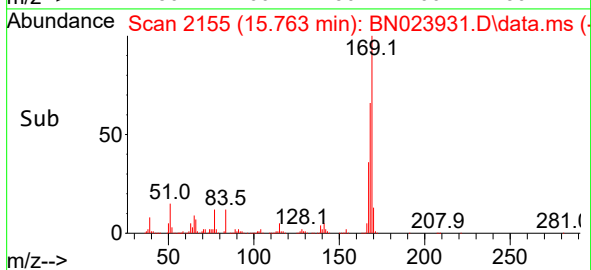
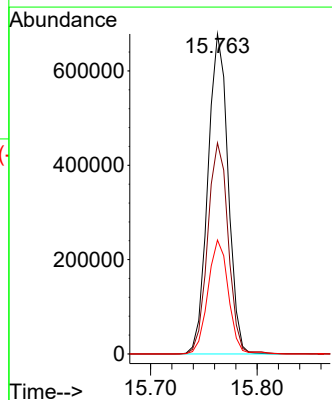
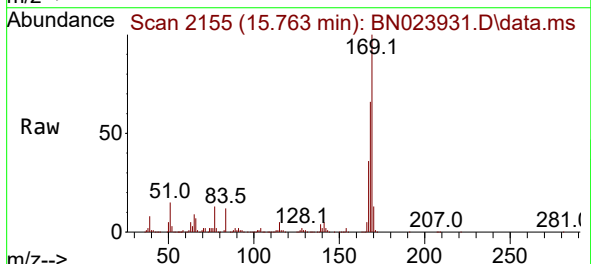
Instrument :
 BNA_N
 ClientSampleId :
 A44N8MS

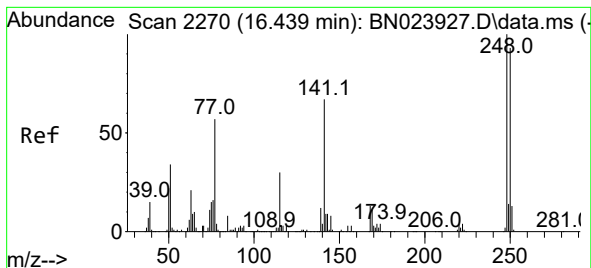
Tgt Ion:198 Resp: 203314
 Ion Ratio Lower Upper
 198 100
 182 3.6 3.2 4.8
 77 24.9 21.1 31.7



#67
 N-Nitrosodiphenylamine
 Concen: 29.812 ng/ul
 RT: 15.763 min Scan# 2155
 Delta R.T. -0.006 min
 Lab File: BN023931.D
 Acq: 03 Feb 2023 07:49

Tgt Ion:169 Resp: 893329
 Ion Ratio Lower Upper
 169 100
 168 66.0 52.2 78.2
 167 35.6 27.3 40.9

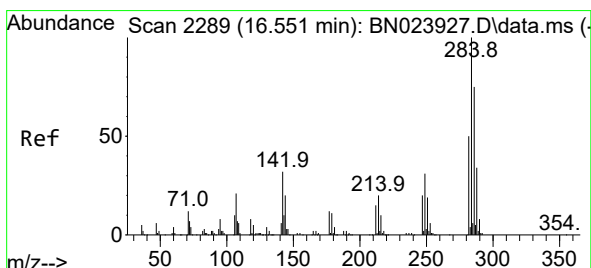
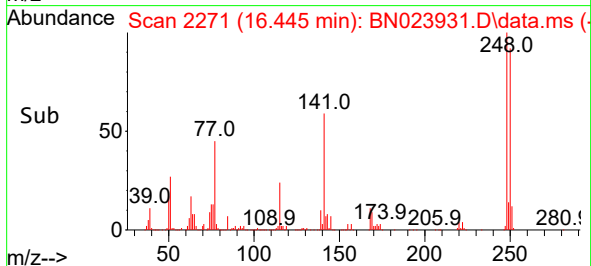
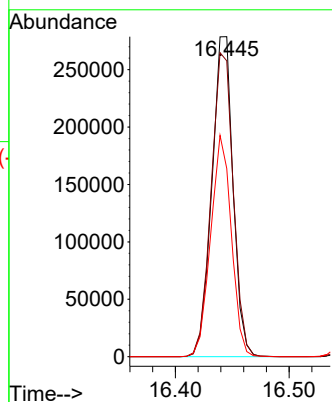
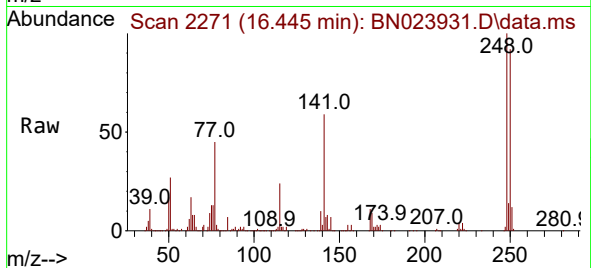




#68
4-Bromophenyl-phenylether
Concen: 29.713 ng/ul
RT: 16.445 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

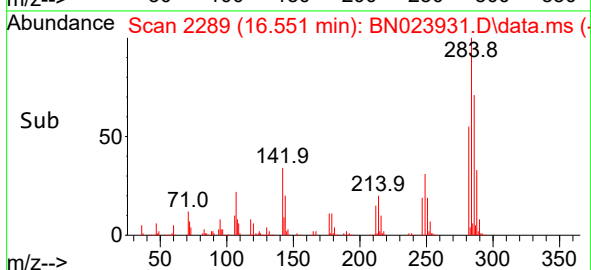
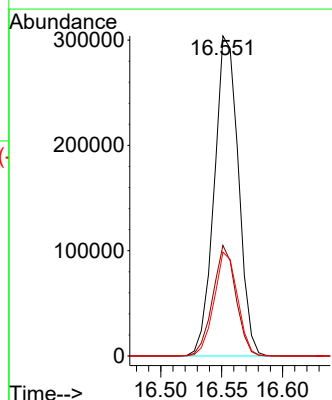
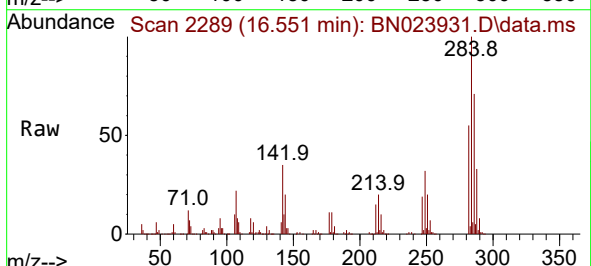
Instrument :
BNA_N
ClientSampleId :
A44N8MS

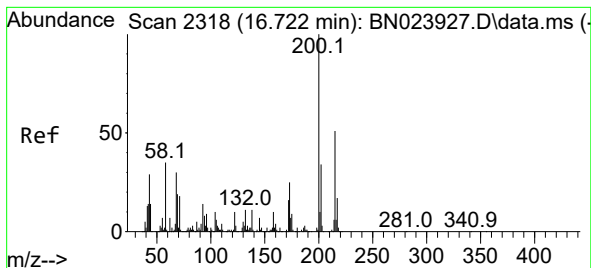
Tgt Ion:248 Resp: 361146
Ion Ratio Lower Upper
248 100
250 92.5 79.2 118.8
141 58.8 50.4 75.6



#69
Hexachlorobenzene
Concen: 29.793 ng/ul
RT: 16.551 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:284 Resp: 418352
Ion Ratio Lower Upper
284 100
142 34.5 23.2 34.8
249 32.5 22.6 34.0





#70

Atrazine

Concen: 26.348 ng/ul

RT: 16.722 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

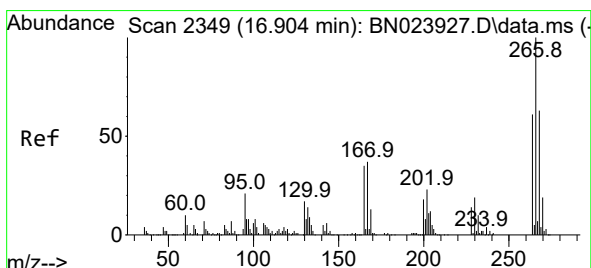
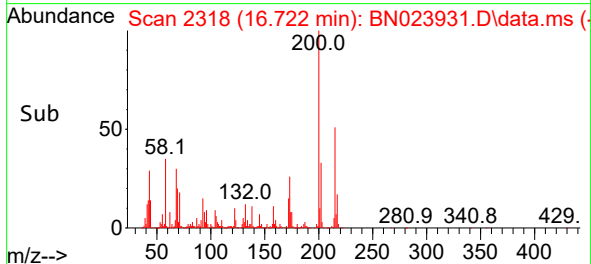
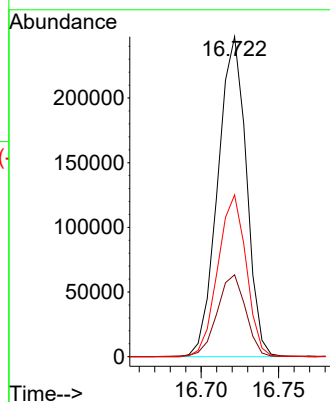
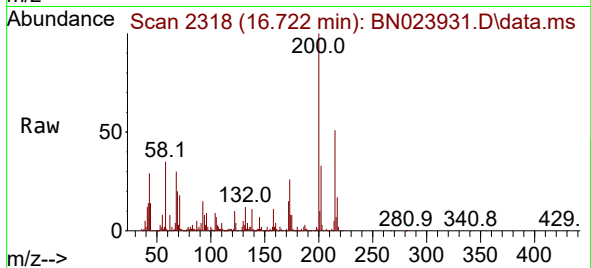
Tgt Ion:200 Resp: 317228

Ion Ratio Lower Upper

200 100

173 25.6 20.9 31.3

215 50.6 40.2 60.2



#71

Pentachlorophenol

Concen: 28.712 ng/ul

RT: 16.898 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

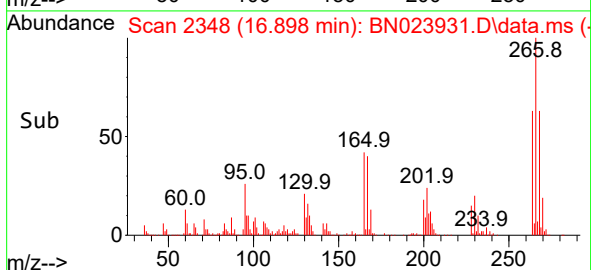
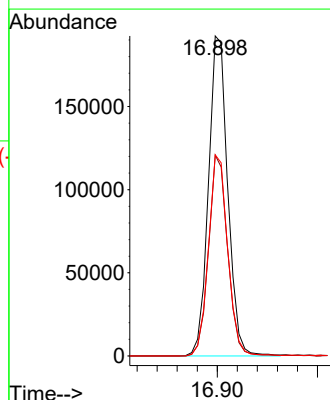
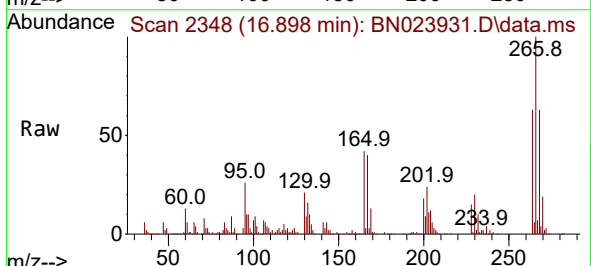
Tgt Ion:266 Resp: 258138

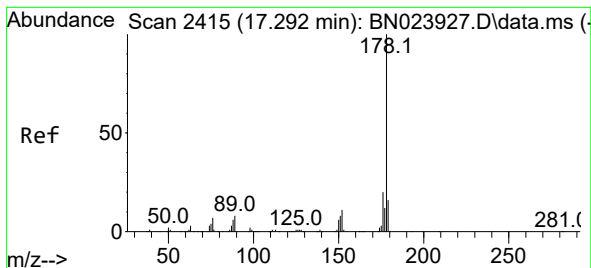
Ion Ratio Lower Upper

266 100

264 62.8 49.9 74.9

268 62.9 50.3 75.5





#72

Phenanthrene

Concen: 30.149 ng/ul

RT: 17.292 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

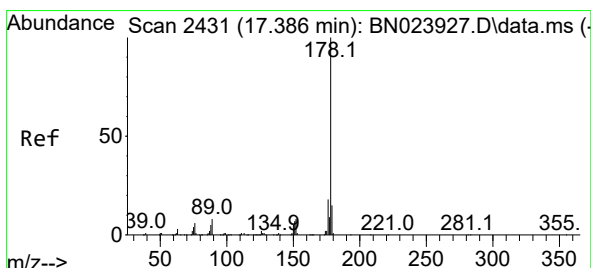
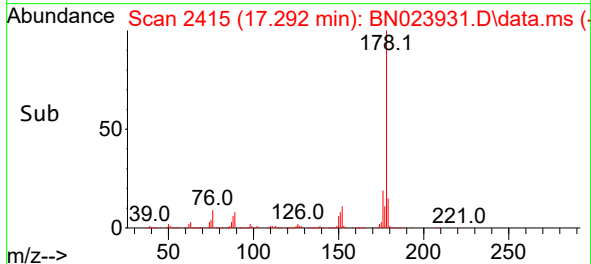
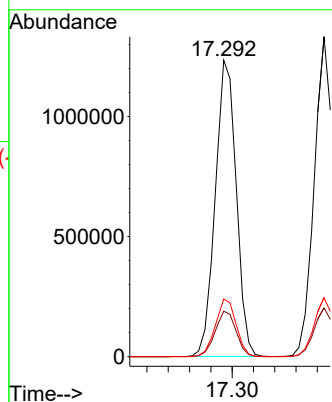
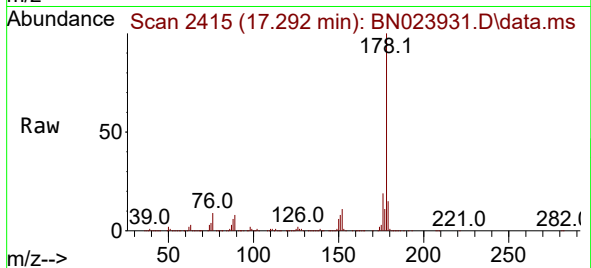
Tgt Ion:178 Resp: 1685095

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 19.5 15.2 22.8



#74

Anthracene

Concen: 30.210 ng/ul

RT: 17.386 min Scan# 2431

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

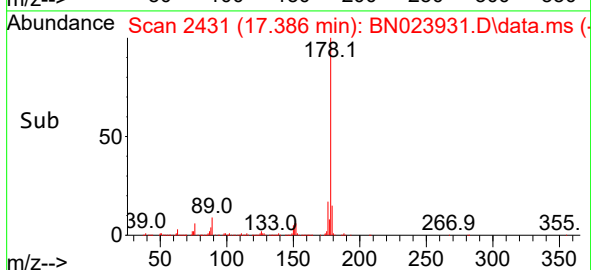
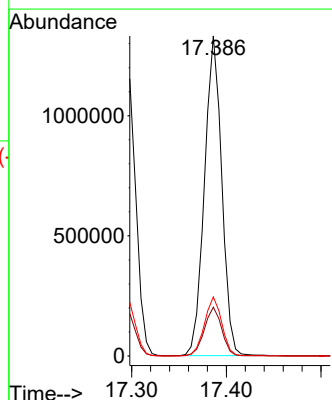
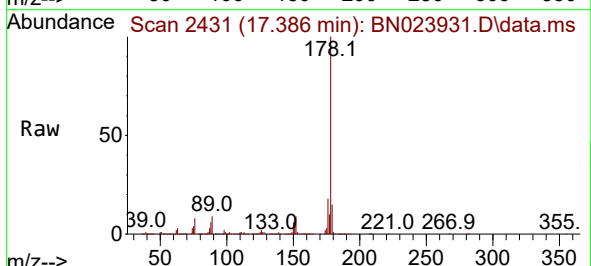
Tgt Ion:178 Resp: 1682947

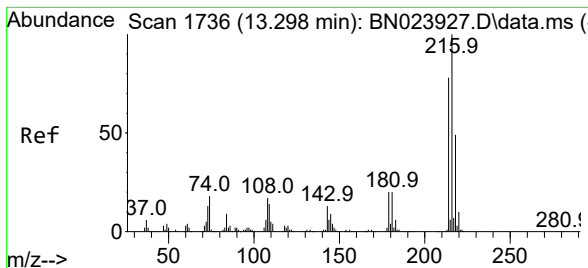
Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

176 18.4 14.4 21.6





#75

1,2,3,4-Tetrachlorobenzene

Concen: 25.427 ng/uL

RT: 13.298 min Scan# 11

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

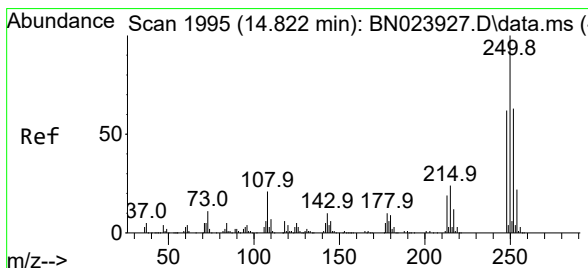
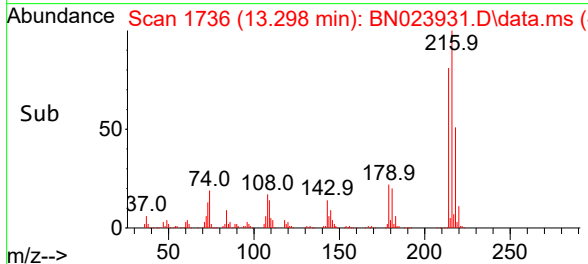
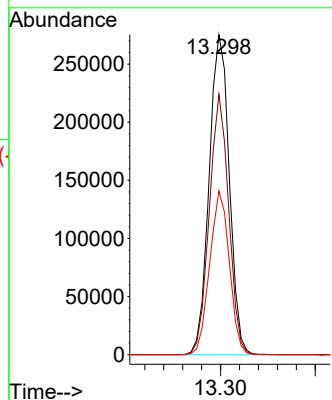
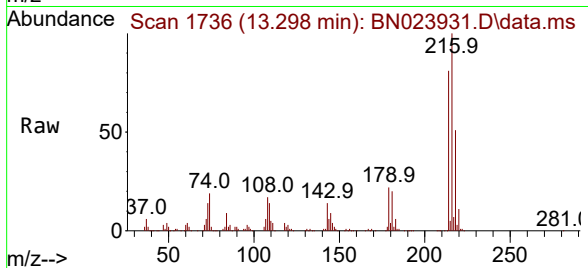
Tgt Ion:216 Resp: 405972

Ion Ratio Lower Upper

216 100

214 81.3 61.9 92.9

218 51.1 36.0 54.0



#76

Pentachlorobenzene

Concen: 28.724 ng/uL

RT: 14.822 min Scan# 1995

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

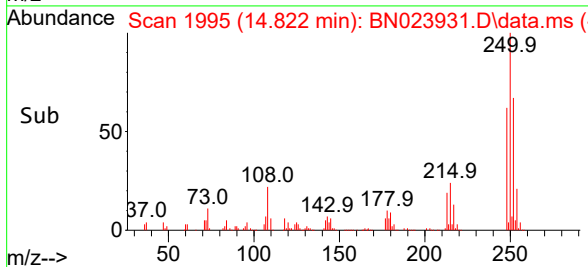
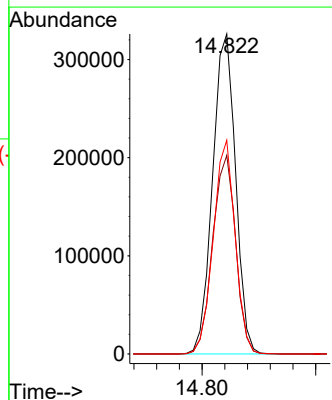
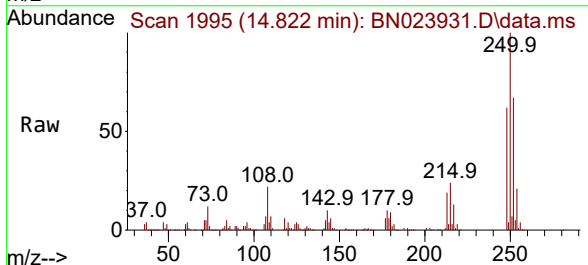
Tgt Ion:250 Resp: 457355

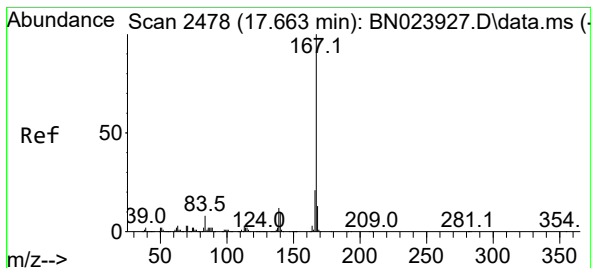
Ion Ratio Lower Upper

250 100

248 62.0 51.2 76.8

252 66.8 50.8 76.2





#77

Carbazole

Concen: 30.640 ng/ul

RT: 17.663 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

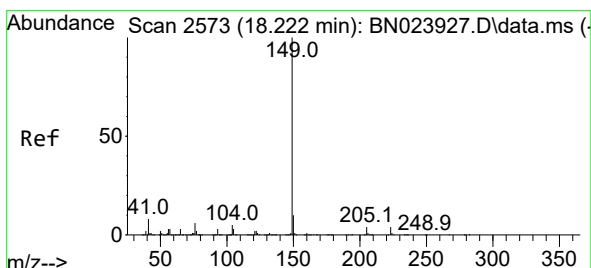
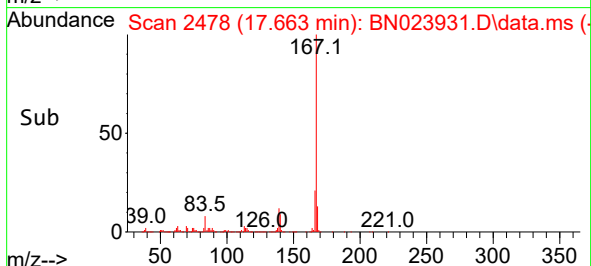
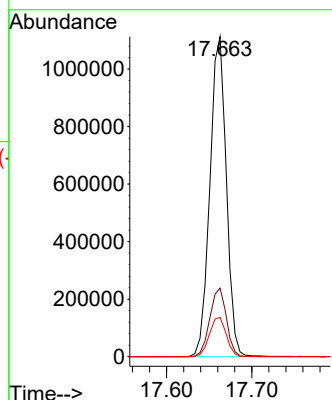
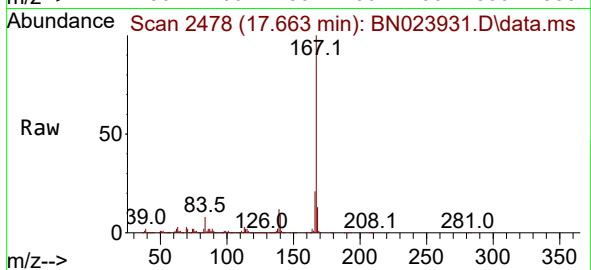
Tgt Ion:167 Resp: 1495715

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 12.3 10.2 15.4



#78

Di-n-butylphthalate

Concen: 18.436 ng/ul

RT: 18.221 min Scan# 2573

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

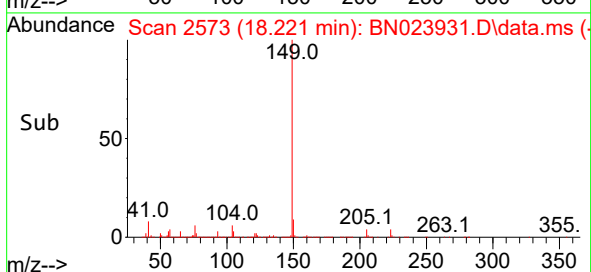
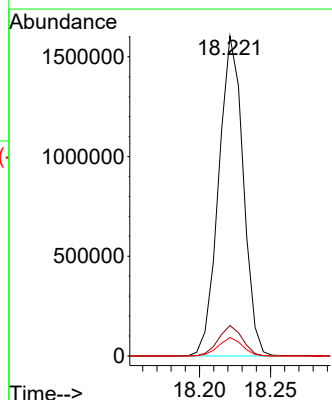
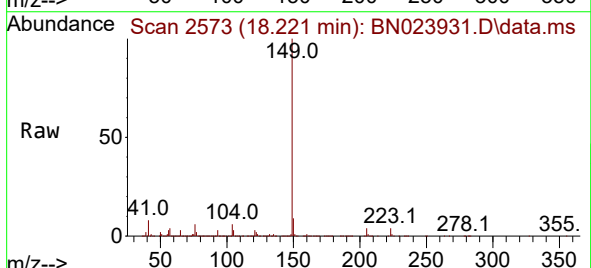
Tgt Ion:149 Resp: 1928941

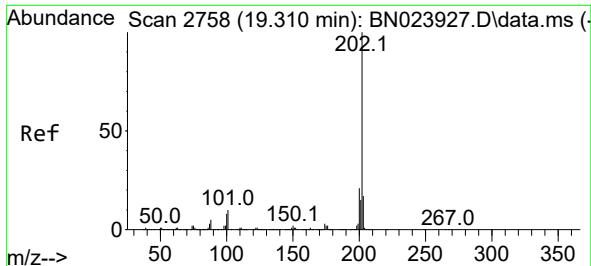
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

104 5.8 4.6 6.8

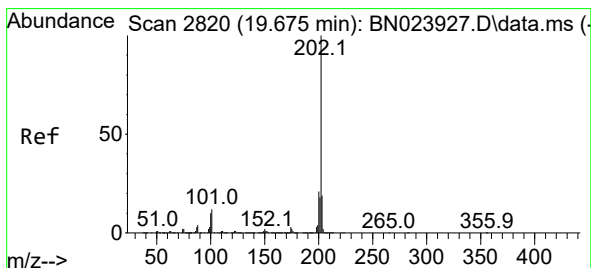
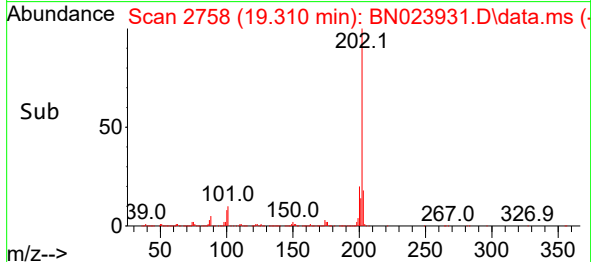
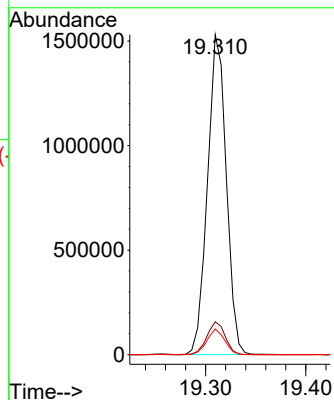
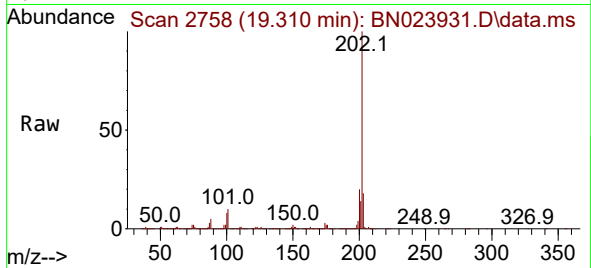




#80
Fluoranthene
Concen: 31.064 ng/ul
RT: 19.310 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

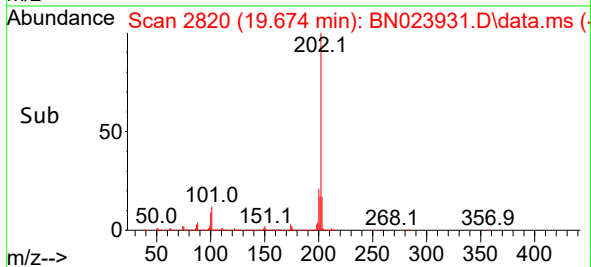
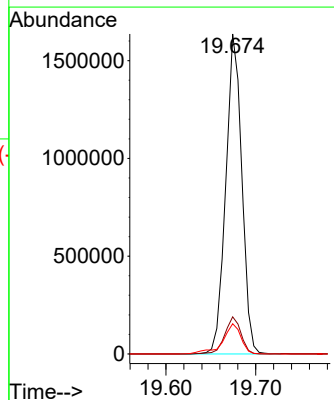
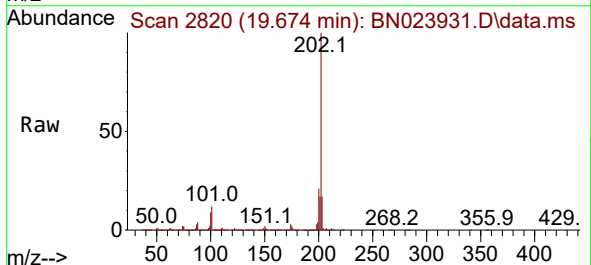
Instrument :
BNA_N
ClientSampleId :
A44N8MS

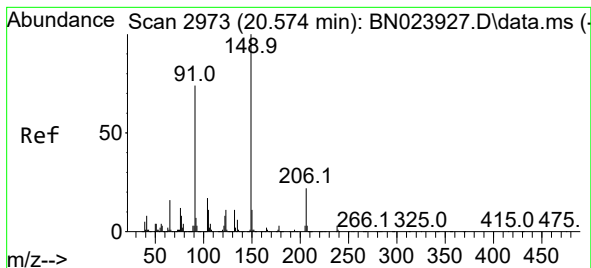
Tgt Ion:202 Resp: 1996247
Ion Ratio Lower Upper
202 100
101 10.3 8.2 12.2
100 8.1 6.2 9.4



#82
Pyrene
Concen: 31.103 ng/ul
RT: 19.674 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:202 Resp: 2033040
Ion Ratio Lower Upper
202 100
101 11.6 9.1 13.7
100 9.4 7.4 11.2





#83

Butylbenzylphthalate

Concen: 31.201 ng/ul

RT: 20.574 min Scan# 2973

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

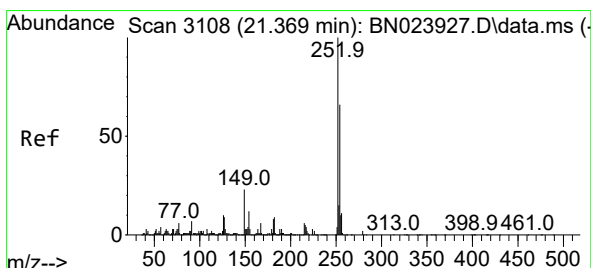
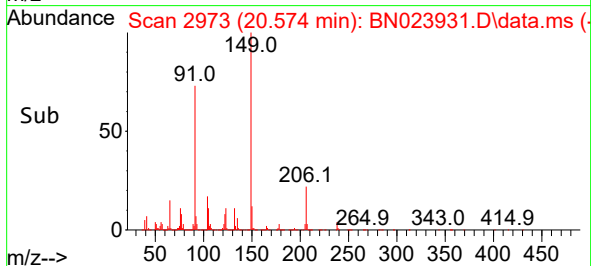
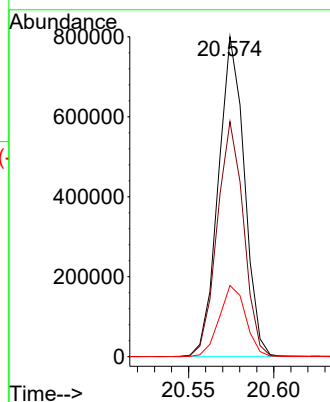
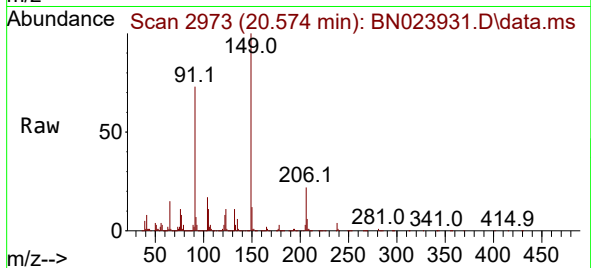
Tgt Ion:149 Resp: 850565

Ion Ratio Lower Upper

149 100

91 73.5 57.9 86.9

206 22.3 19.0 28.4



#84

3,3'-Dichlorobenzidine

Concen: 21.380 ng/ul

RT: 21.362 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

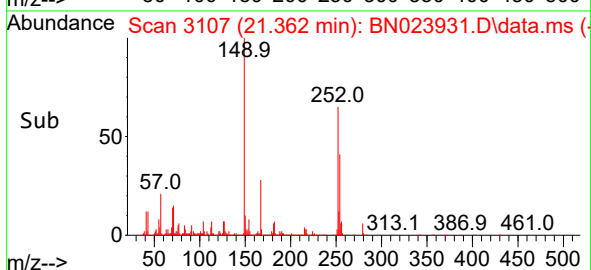
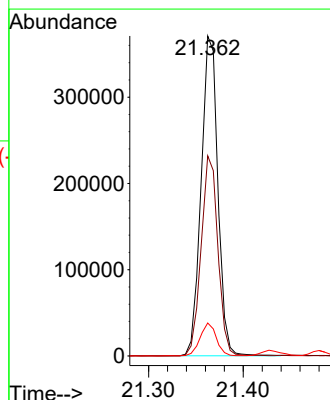
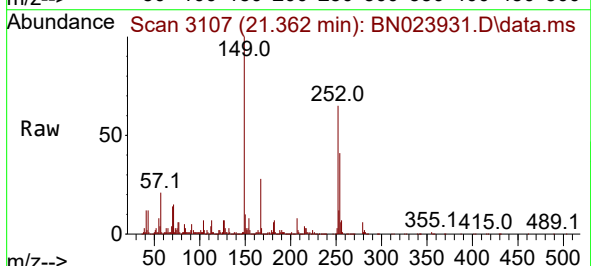
Tgt Ion:252 Resp: 455292

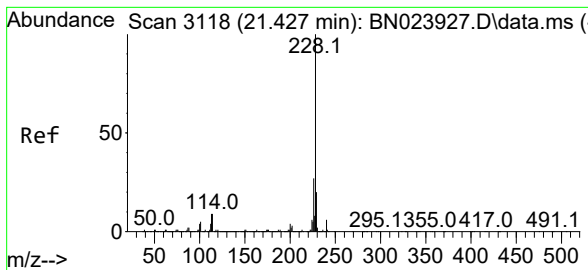
Ion Ratio Lower Upper

252 100

254 62.5 53.0 79.6

126 10.3 8.1 12.1





#85

Benzo(a)anthracene

Concen: 30.809 ng/ul

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

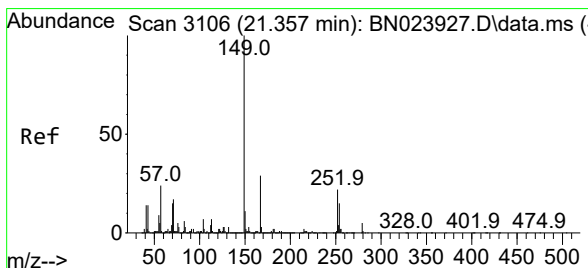
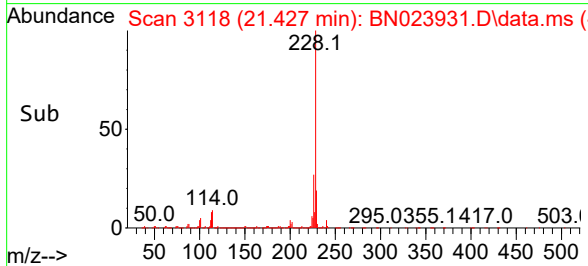
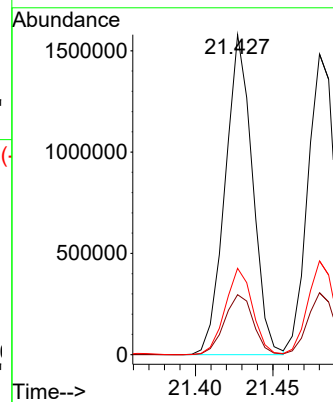
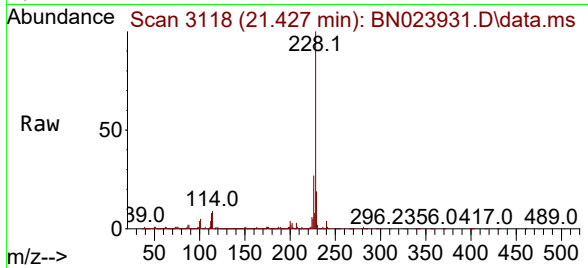
Tgt Ion:228 Resp: 1935794

Ion Ratio Lower Upper

228 100

229 18.8 15.6 23.4

226 27.0 22.1 33.1



#86

Bis(2-ethylhexyl)phthalate

Concen: 31.734 ng/ul

RT: 21.357 min Scan# 3106

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

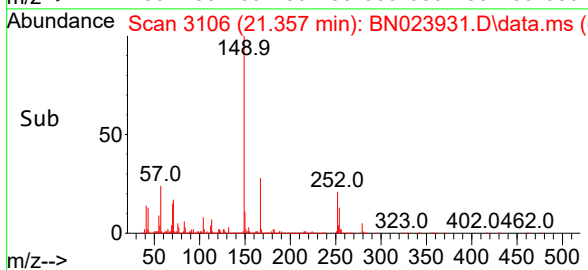
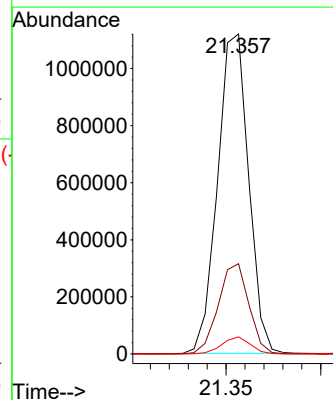
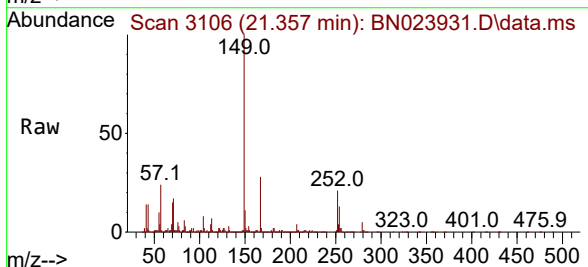
Tgt Ion:149 Resp: 1276269

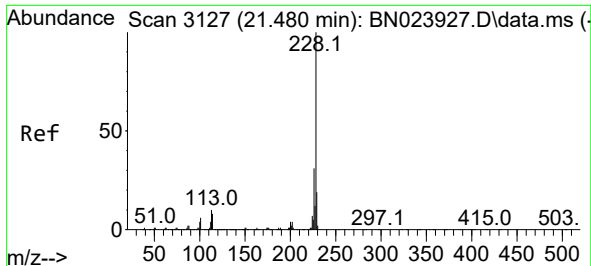
Ion Ratio Lower Upper

149 100

167 28.2 21.2 31.8

279 5.3 3.8 5.6

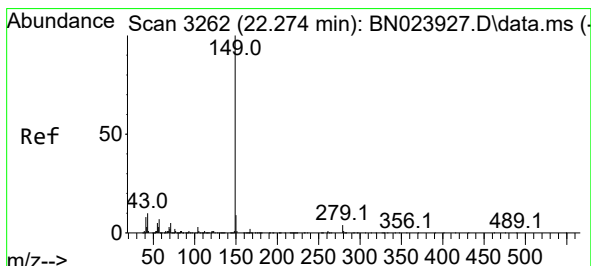
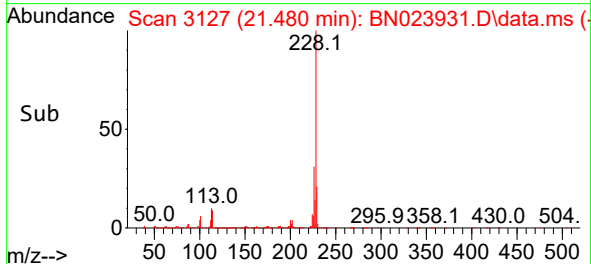
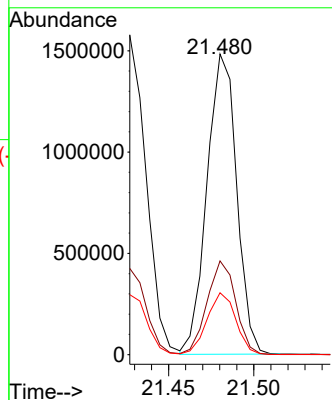
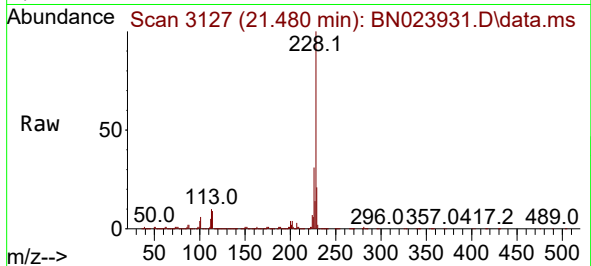




#87
Chrysene
Concen: 30.976 ng/ul
RT: 21.480 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

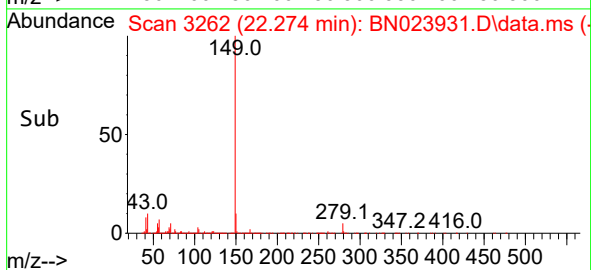
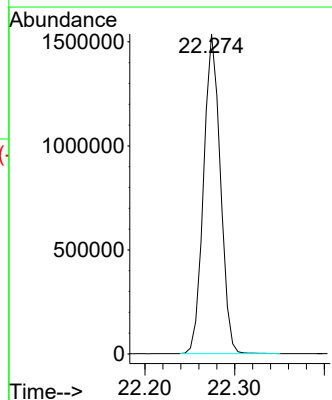
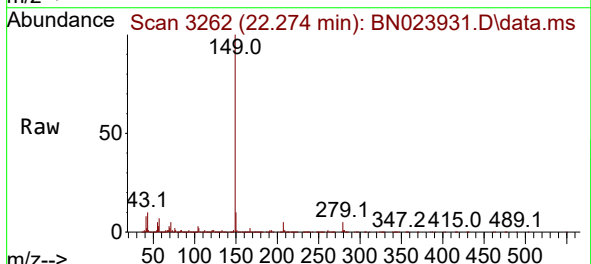
Instrument :
BNA_N
ClientSampleId :
A44N8MS

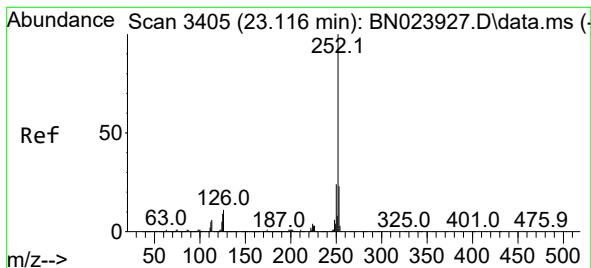
Tgt Ion:228 Resp: 1795877
Ion Ratio Lower Upper
228 100
226 31.2 25.9 38.9
229 20.6 16.4 24.6



#89
Di-n-octyl phthalate
Concen: 31.066 ng/ul
RT: 22.274 min Scan# 3262
Delta R.T. -0.006 min
Lab File: BN023931.D
Acq: 03 Feb 2023 07:49

Tgt Ion:149 Resp: 1990290





#90

Benzo(b)fluoranthene

Concen: 30.584 ng/ul

RT: 23.115 min Scan# 3405

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

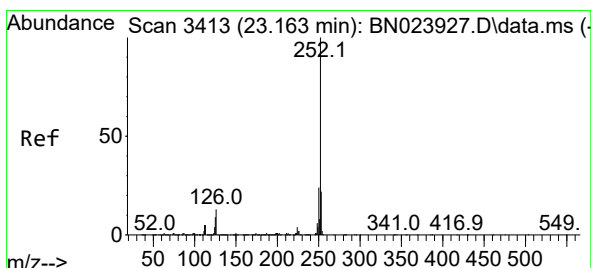
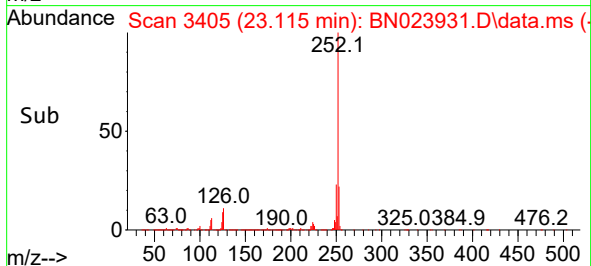
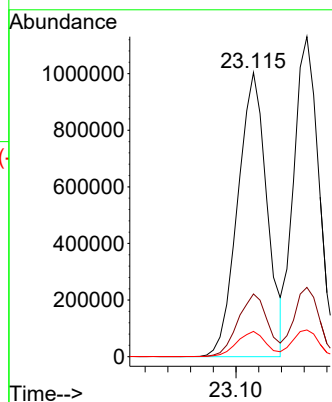
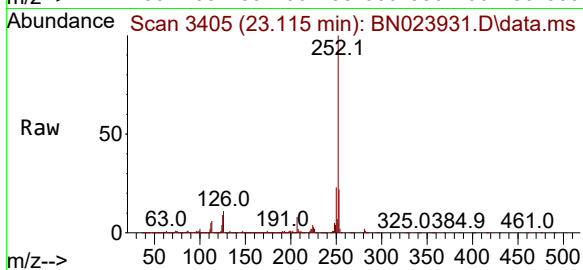
Tgt Ion:252 Resp: 1796595

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 8.9 7.3 10.9



#91

Benzo(k)fluoranthene

Concen: 31.035 ng/ul

RT: 23.162 min Scan# 3413

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

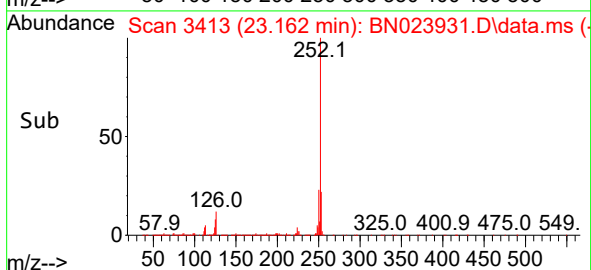
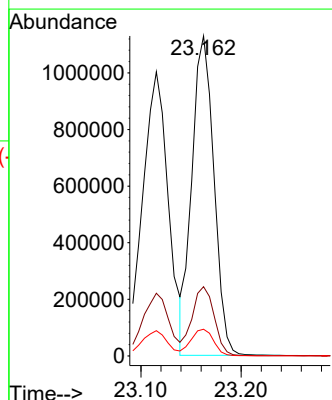
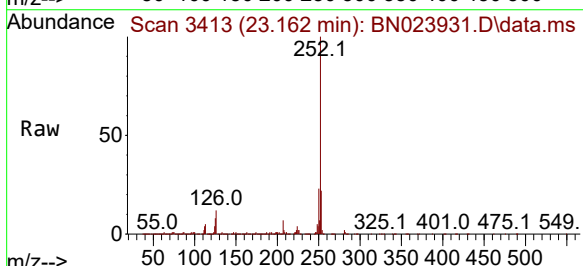
Tgt Ion:252 Resp: 1721604

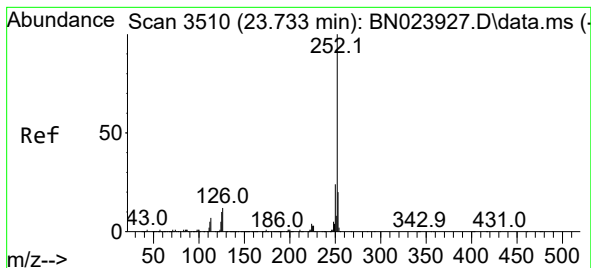
Ion Ratio Lower Upper

252 100

253 21.7 16.2 24.2

125 8.3 6.6 9.8





#93

Benzo(a)pyrene

Concen: 30.419 ng/ul

RT: 23.733 min Scan# 3510

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

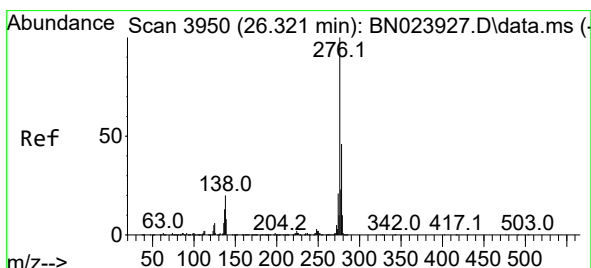
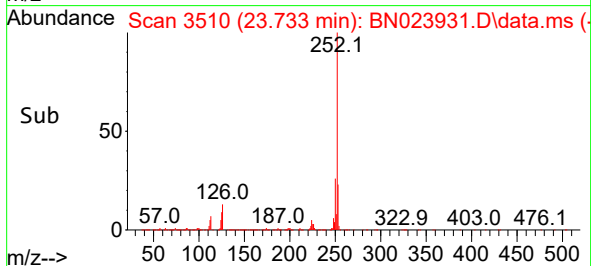
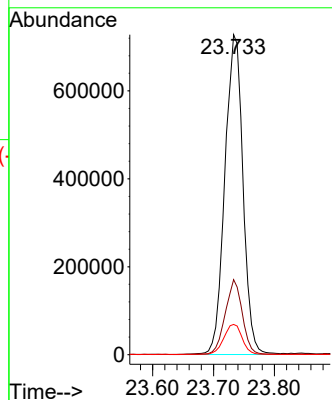
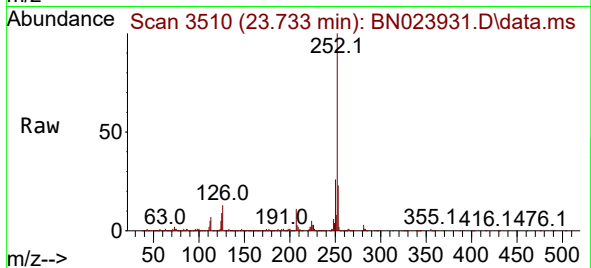
Tgt Ion:252 Resp: 1503332

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 9.5 7.5 11.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 30.030 ng/ul

RT: 26.321 min Scan# 3950

Delta R.T. -0.012 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

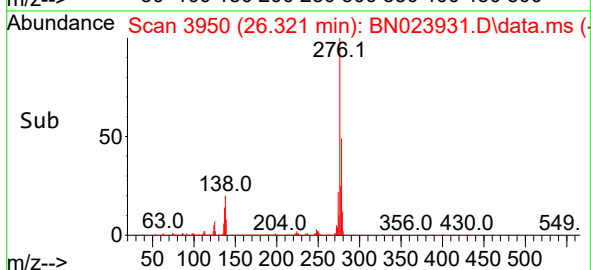
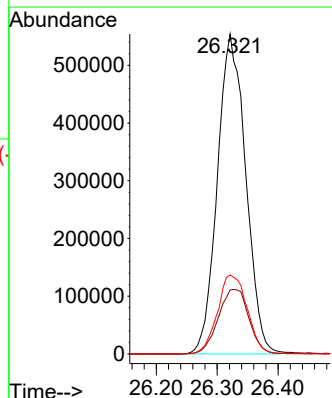
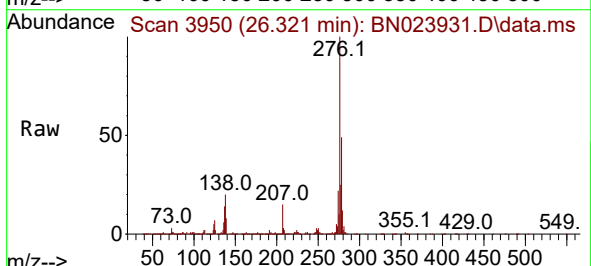
Tgt Ion:276 Resp: 1790869

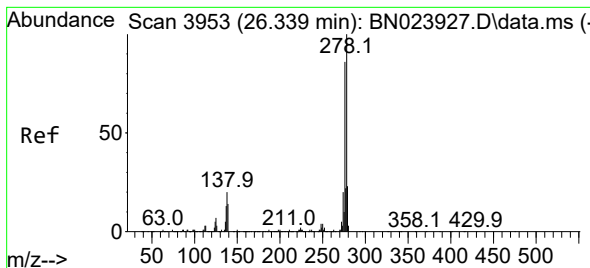
Ion Ratio Lower Upper

276 100

138 20.0 16.6 25.0

277 24.7 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 30.458 ng/ul

RT: 26.345 min Scan# 3954

Delta R.T. -0.000 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Instrument :

BNA_N

ClientSampleId :

A44N8MS

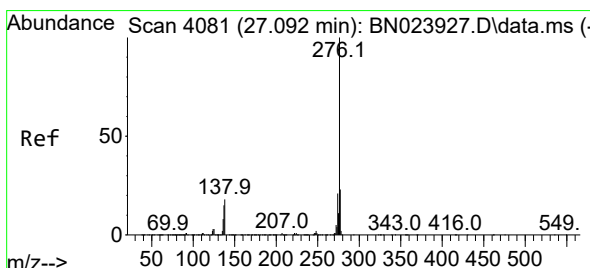
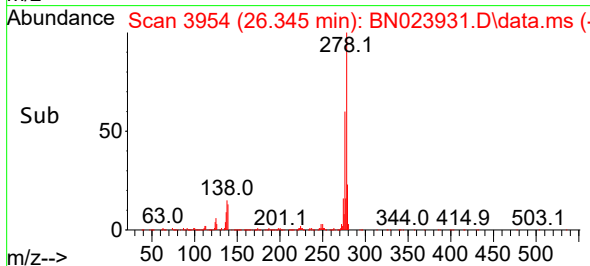
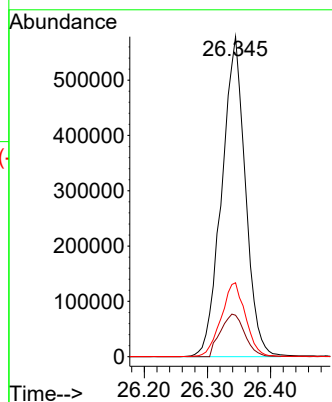
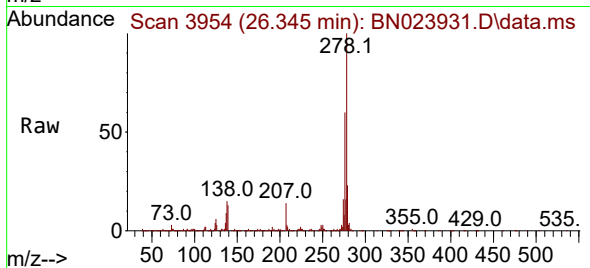
Tgt Ion:278 Resp: 1502259

Ion Ratio Lower Upper

278 100

139 12.9 10.8 16.2

279 23.1 18.3 27.5



#96

Benzo(g,h,i)perylene

Concen: 31.440 ng/ul

RT: 27.097 min Scan# 4082

Delta R.T. -0.006 min

Lab File: BN023931.D

Acq: 03 Feb 2023 07:49

Tgt Ion:276 Resp: 1476357

Ion Ratio Lower Upper

276 100

138 16.6 14.6 21.8

277 22.0 18.8 28.2

