

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041724\
 Data File : BN031017.D
 Acq On : 18 Apr 2024 20:34
 Operator : MA/JU
 Sample : P2020-04MSD 10X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E07W5MSD

Quant Time: Apr 18 22:44:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 17 22:24:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	115326	20.000	ng/u1	0.00
20) Naphthalene-d8	10.416	136	545912	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.287	164	389191	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	855549	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	940616	20.000	ng/u1	0.00
88) Perylene-d12	24.169	264	1151590	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	11388	4.630	ng/uL	0.00
4) Pyridine-d5	3.558	84	88074	11.942	ng/u1	0.00
7) Phenol-d5	6.811	99	74071	7.940	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	209274	36.318	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	194123	27.429	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	139406	17.829	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	141546	37.377	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	128876	37.201	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	252712	33.320	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	402764	32.257	ng/u1	0.00
46) Dimethylphthalate-d6	13.704	166	1051731	40.475	ng/u1	0.00
49) Acenaphthylene-d8	13.975	160	1137964	38.089	ng/u1	0.00
54) 4-Nitrophenol-d4	14.498	143	46765	9.409	ng/u1	0.00
60) Fluorene-d10	15.281	176	908076	39.935	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	144165	38.176	ng/u1	0.00
73) Anthracene-d10	17.134	188	1480886	40.173	ng/u1	0.00
81) Pyrene-d10	19.433	212	1869079	36.959	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	2263319	42.654	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.181	88	11936	4.530	ng/uL	88
5) Pyridine	3.575	79	93896	12.617	ng/u1	94
6) Benzaldehyde	6.787	77	245175	56.432	ng/u1	99
8) Phenol	6.840	94	91426	9.407	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.075	93	311021	39.244	ng/u1	99
12) 2-Chlorophenol	7.205	128	232411	30.613	ng/u1	96
13) 2-Methylphenol	8.081	108	173956	23.228	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.158	45	426526	38.220	ng/u1	99
16) Acetophenone	8.458	105	530288	42.955	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.440	70	254913	40.998	ng/u1	96
18) 4-Methylphenol	8.411	108	174865	20.857	ng/u1	94
19) Hexachloroethane	8.705	117	118281	37.160	ng/u1	99
22) Nitrobenzene	8.834	77	370386	40.066	ng/u1	100
23) Isophorone	9.358	82	752664	40.825	ng/u1	99
25) 2-Nitrophenol	9.540	139	160350	39.383	ng/u1	99
26) 2,4-Dimethylphenol	9.605	107	250713	27.705	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.840	93	459560	39.206	ng/u1	99
29) 2,4-Dichlorophenol	10.069	162	281702	36.389	ng/u1	99
30) Naphthalene	10.469	128	1097673	39.204	ng/u1	99
32) 4-Chloroaniline	10.587	127	397611	33.043	ng/u1	98
33) Hexachlorobutadiene	10.746	225	177156	36.356	ng/u1	99
34) Caprolactam	11.375	113	18434	6.374	ng/u1	98
35) 4-Chloro-3-methylphenol	11.710	107	301033	34.525	ng/u1	99
36) 2-Methylnaphthalene	12.087	142	807850	41.315	ng/u1	100

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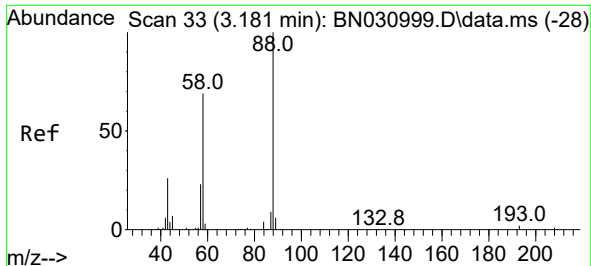
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.310	142	824755	41.551	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.457	216	407119	40.534	ng/ul	98
40) Hexachlorocyclopentadiene	12.434	237	150561	26.396	ng/ul	97
41) 2,4,6-Trichlorophenol	12.704	196	243657	38.822	ng/ul	96
42) 2,4,5-Trichlorophenol	12.775	196	277628	39.168	ng/ul	94
43) 1,1'-Biphenyl	13.110	154	1072405	40.426	ng/ul	99
44) 2-Chloronaphthalene	13.151	162	843530	40.394	ng/ul	100
45) 2-Nitroaniline	13.369	65	261009	46.967	ng/ul	98
47) Dimethylphthalate	13.746	163	1151546	42.901	ng/ul	99
48) 2,6-Dinitrotoluene	13.869	165	233422	46.903	ng/ul	93
50) Acenaphthylene	14.004	152	1436596	41.617	ng/ul	99
51) 3-Nitroaniline	14.198	138	245422	46.461	ng/ul	98
52) Acenaphthene	14.351	153	923177	40.131	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	95072	41.592	ng/ul	95
55) 4-Nitrophenol	14.510	109	40267	10.226	ng/ul	96
56) Dibenzofuran	14.687	168	1343389	42.011	ng/ul	98
57) 2,4-Dinitrotoluene	14.657	165	358629	49.359	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.910	232	245694	41.737	ng/ul	91
59) Diethylphthalate	15.122	149	1191248	43.685	ng/ul	98
61) Fluorene	15.334	166	1083692	42.637	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.334	204	511886	41.050	ng/ul	99
63) 4-Nitroaniline	15.369	138	287880	56.058	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.422	198	175579	43.271	ng/ul	94
67) N-Nitrosodiphenylamine	15.551	169	997801	42.825	ng/ul	98
68) 4-Bromophenyl-phenylether	16.228	248	332707	40.953	ng/ul	94
69) Hexachlorobenzene	16.334	284	393860	41.172	ng/ul	98
70) Atrazine	16.510	200	360625	44.655	ng/ul	96
71) Pentachlorophenol	16.681	266	225288	39.942	ng/ul	95
72) Phenanthrene	17.075	178	1891892	43.041	ng/ul	98
74) Anthracene	17.169	178	1914254	43.079	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.069	216	410980	39.101	ng/ul	99
76) Pentachlorobenzene	14.598	250	416812	39.042	ng/ul	91
77) Carbazole	17.445	167	1887092	48.426	ng/ul	99
78) Di-n-butylphthalate	18.010	149	2288661	48.143	ng/ul	100
80) Fluoranthene	19.098	202	2371526	39.449	ng/ul	98
82) Pyrene	19.463	202	2522706	39.734	ng/ul	99
83) Butylbenzylphthalate	20.375	149	1158696	47.789	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.186	252	692071	40.042	ng/ul	93
85) Benzo(a)anthracene	21.251	228	2720956	43.345	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.180	149	1644228	45.985	ng/ul	99
87) Chrysene	21.310	228	2543429	42.926	ng/ul	97
89) Di-n-octyl phthalate	22.280	149	3012441	41.308	ng/ul	100
90) Benzo(b)fluoranthene	23.257	252	2973174	43.870	ng/ul	100
91) Benzo(k)fluoranthene	23.316	252	2962137	43.037	ng/ul	98
93) Benzo(a)pyrene	24.033	252	2613816	40.827	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.433	276	3795067	54.837	ng/ul	98
95) Dibenzo(a,h)anthracene	27.492	278	3071436	52.719	ng/ul	97
96) Benzo(g,h,i)perylene	28.451	276	2981464	54.876	ng/ul	98

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

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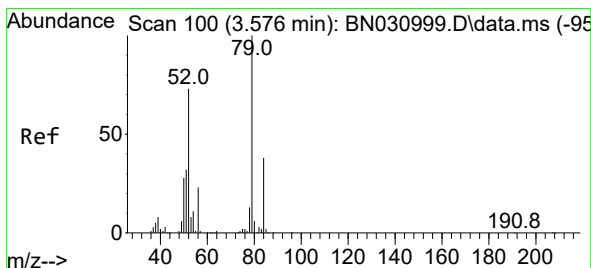
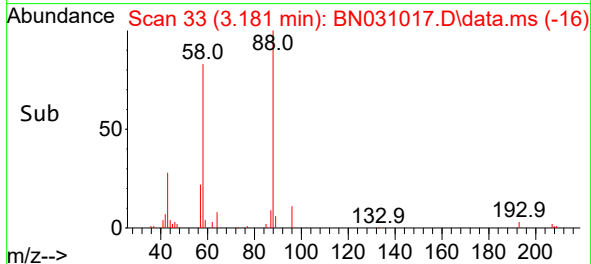
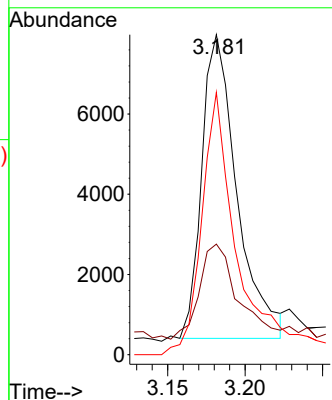
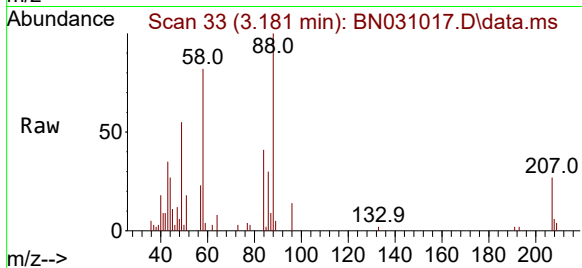




#2
1,4-Dioxane
Concen: 4.530 ng/uL
RT: 3.181 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

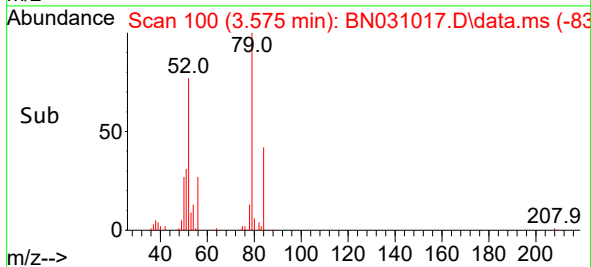
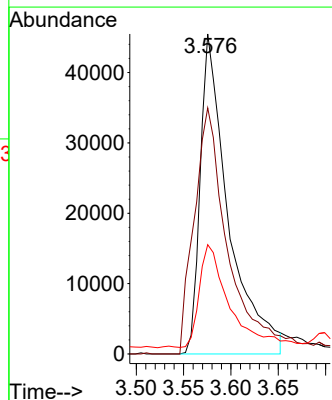
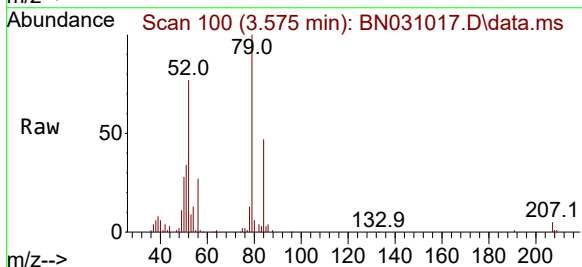
Instrument :
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ClientSampleId :
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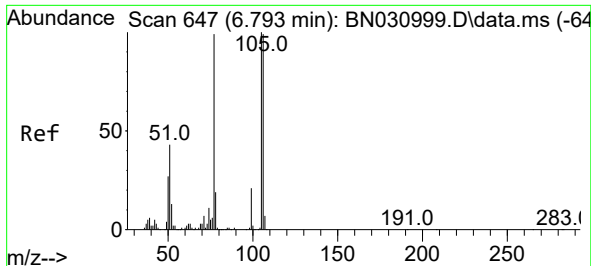
Tgt Ion:	88	Resp:	11936
Ion	Ratio	Lower	Upper
88	100		
43	34.6	23.8	35.8
58	81.9	56.6	84.8



#5
Pyridine
Concen: 12.617 ng/uL
RT: 3.575 min Scan# 100
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:	79	Resp:	93896
Ion	Ratio	Lower	Upper
79	100		
52	76.9	56.2	84.4
51	34.2	27.0	40.4

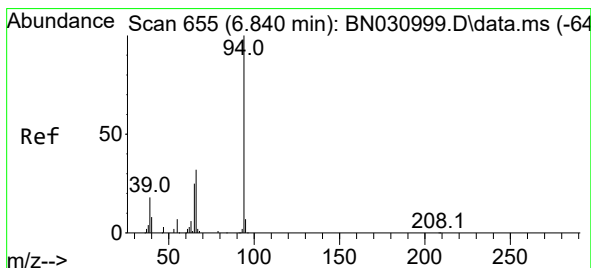
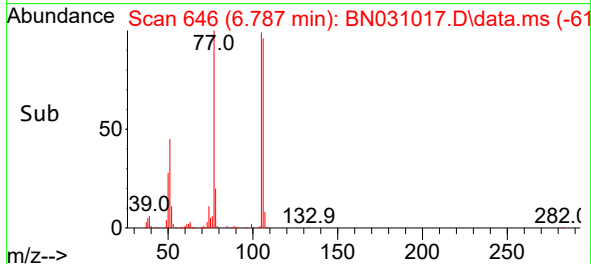
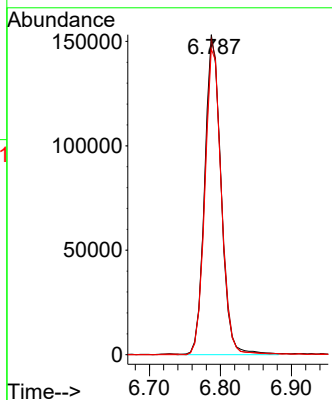
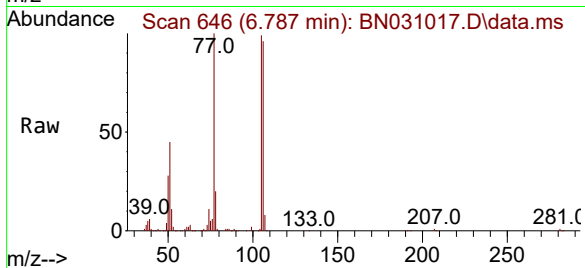




#6
Benzaldehyde
Concen: 56.432 ng/ul
RT: 6.787 min Scan# 647
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

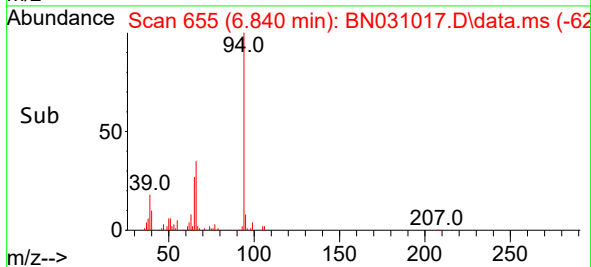
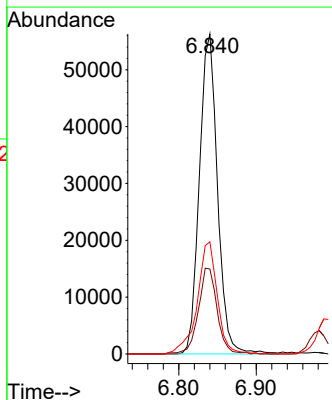
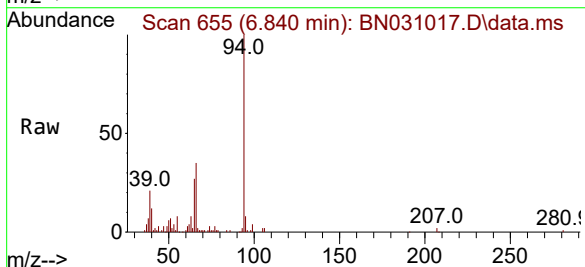
Instrument :
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ClientSampleId :
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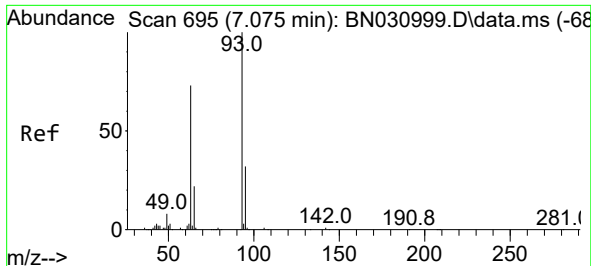
Tgt Ion: 77 Resp: 245175
Ion Ratio Lower Upper
77 100
105 98.6 78.1 117.1
106 95.5 75.6 113.4



#8
Phenol
Concen: 9.407 ng/ul
RT: 6.840 min Scan# 655
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion: 94 Resp: 91426
Ion Ratio Lower Upper
94 100
65 26.6 21.4 32.0
66 35.0 28.5 42.7

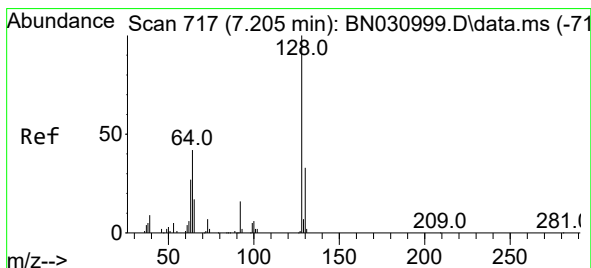
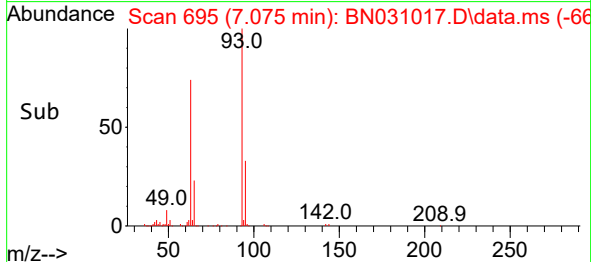
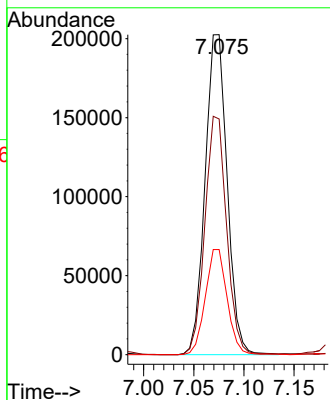
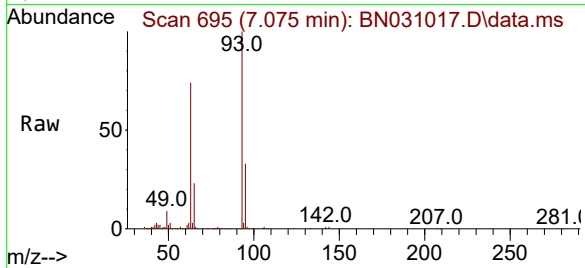




#10
Bis(2-Chloroethyl)ether
Concen: 39.244 ng/ul
RT: 7.075 min Scan# 695
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

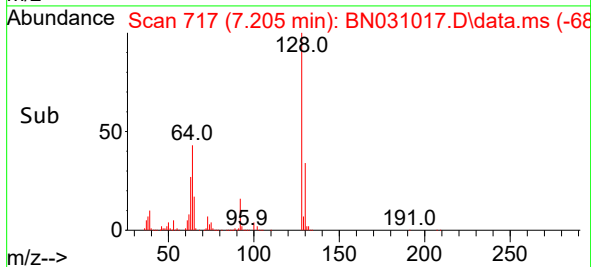
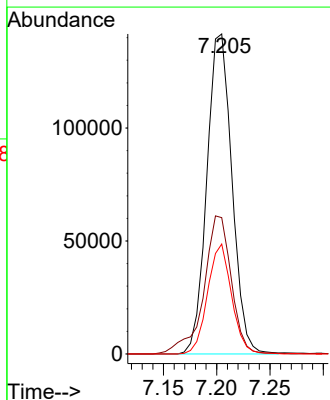
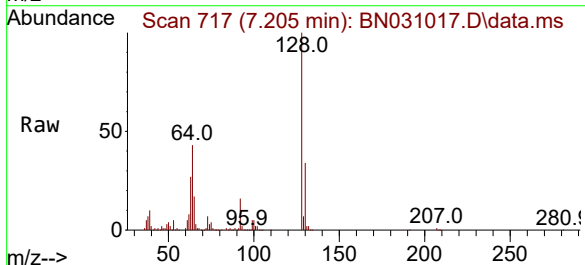
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ClientSampleId :
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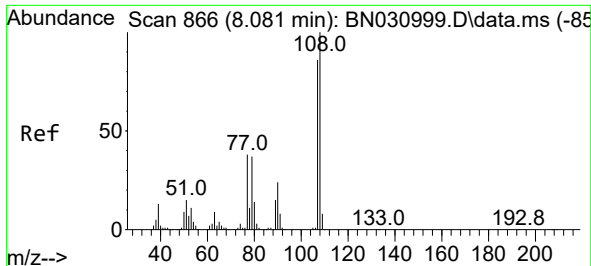
Tgt Ion: 93 Resp: 311021
Ion Ratio Lower Upper
93 100
63 73.6 58.2 87.4
95 32.8 26.0 39.0



#12
2-Chlorophenol
Concen: 30.613 ng/ul
RT: 7.205 min Scan# 717
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion: 128 Resp: 232411
Ion Ratio Lower Upper
128 100
64 42.6 37.0 55.4
130 34.4 26.3 39.5

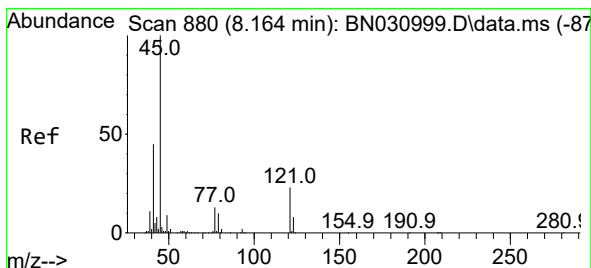
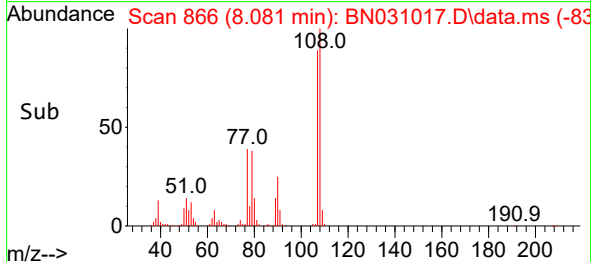
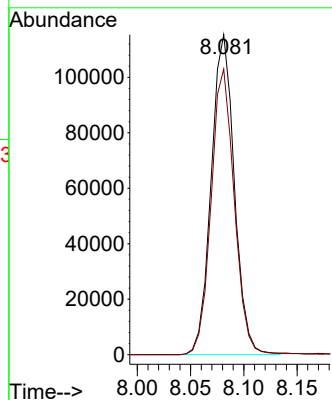
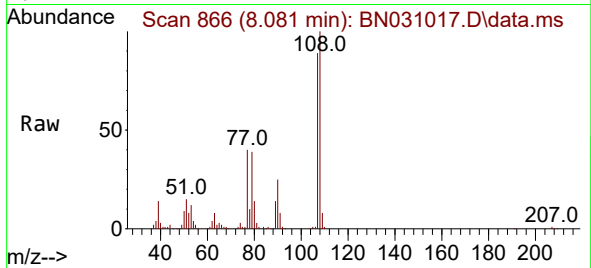




#13
2-Methylphenol
Concen: 23.228 ng/ul
RT: 8.081 min Scan# 80
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

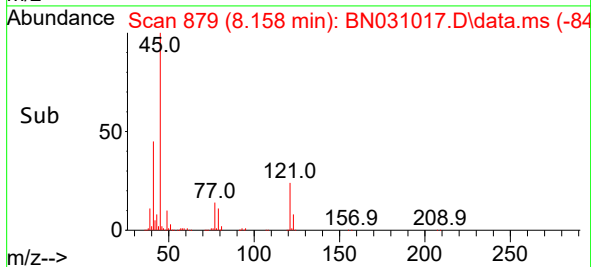
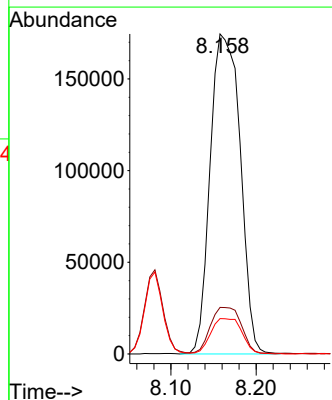
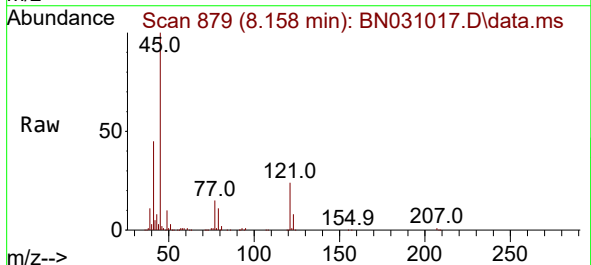
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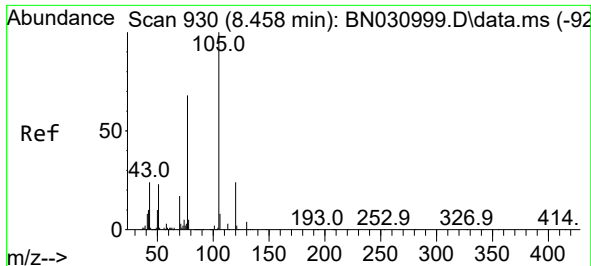
Tgt Ion:108 Resp: 173956
Ion Ratio Lower Upper
108 100
107 89.2 71.8 107.8



#14
2,2'-oxybis(1-Chloropropane)
Concen: 38.220 ng/ul
RT: 8.158 min Scan# 879
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion: 45 Resp: 426526
Ion Ratio Lower Upper
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77 14.6 12.1 18.1
79 11.0 8.6 13.0

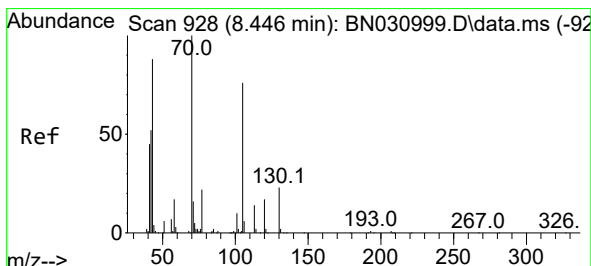
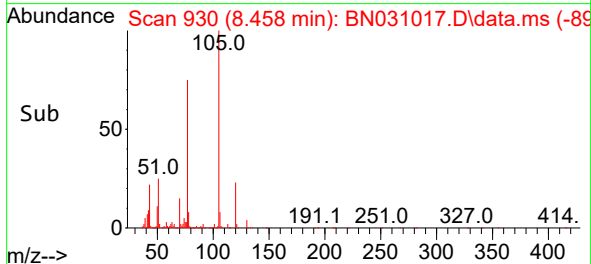
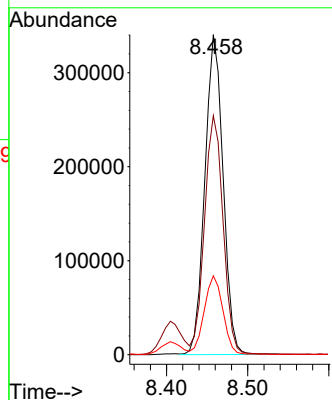
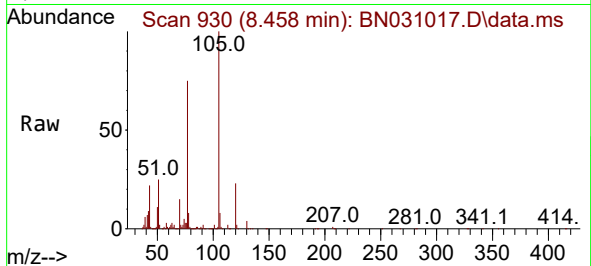




#16
Acetophenone
Concen: 42.955 ng/ul
RT: 8.458 min Scan# 91
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

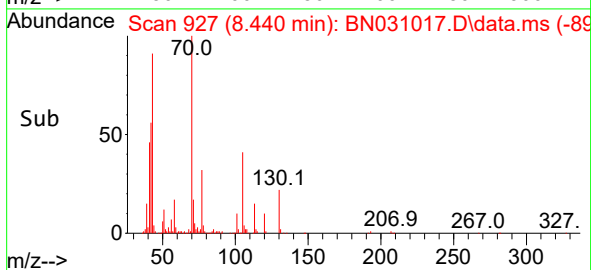
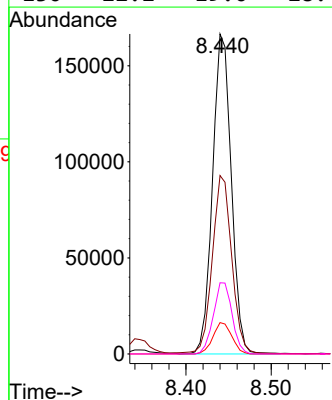
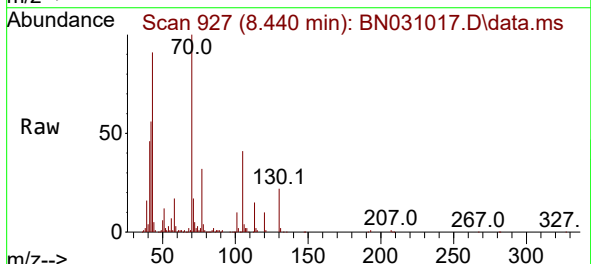
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

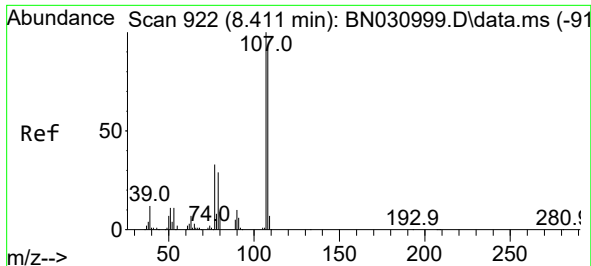
Tgt Ion:105 Resp: 530288
Ion Ratio Lower Upper
105 100
77 74.7 61.2 91.8
51 24.7 21.0 31.4



#17
N-Nitroso-di-n-propylamine
Concen: 40.998 ng/ul
RT: 8.440 min Scan# 927
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion: 70 Resp: 254913
Ion Ratio Lower Upper
70 100
42 55.8 47.4 71.0
101 9.8 7.9 11.9
130 22.2 19.0 28.4





#18

4-Methylphenol

Concen: 20.857 ng/ul

RT: 8.411 min Scan# 911

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

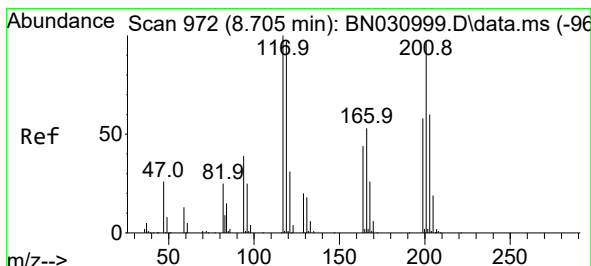
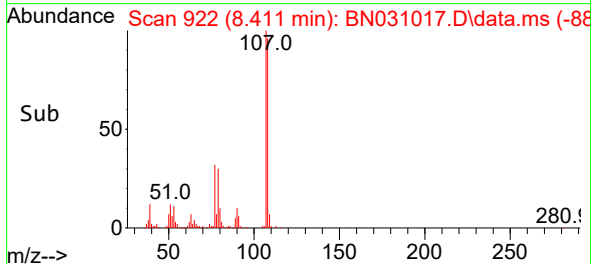
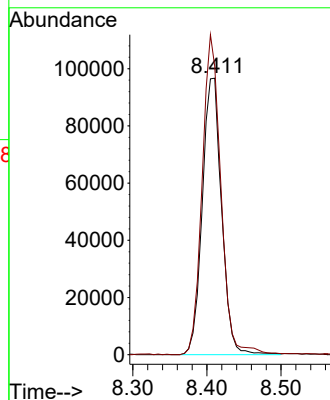
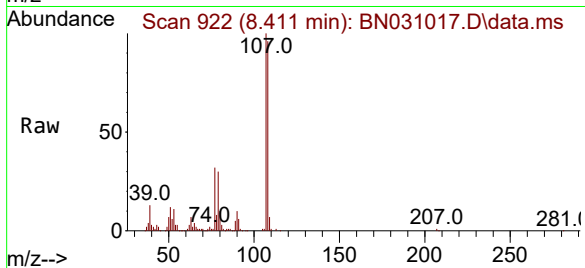
E07W5MSD

Tgt Ion:108 Resp: 174865

Ion Ratio Lower Upper

108 100

107 104.2 88.1 132.1



#19

Hexachloroethane

Concen: 37.160 ng/ul

RT: 8.705 min Scan# 972

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

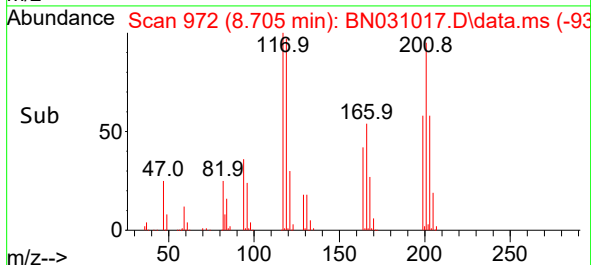
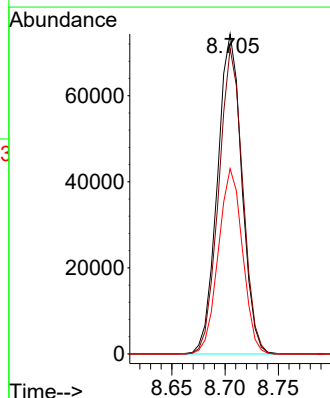
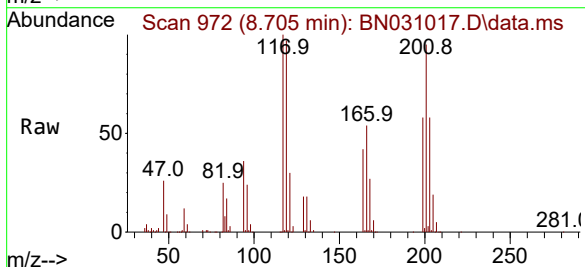
Tgt Ion:117 Resp: 118281

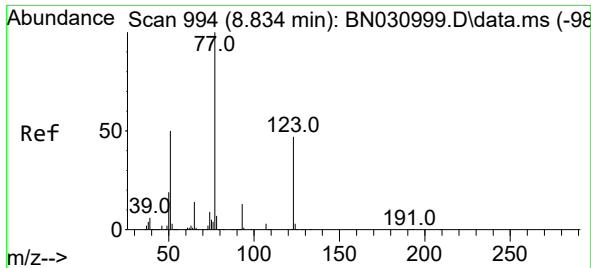
Ion Ratio Lower Upper

117 100

201 95.5 76.5 114.7

199 57.9 48.5 72.7

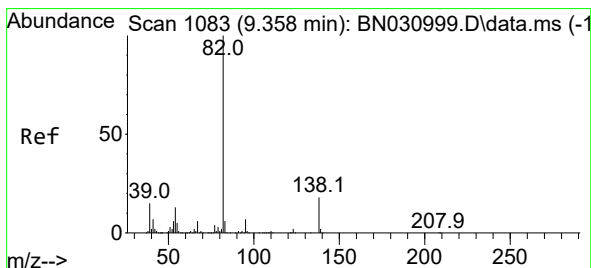
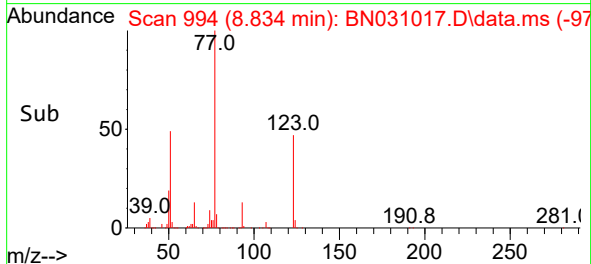
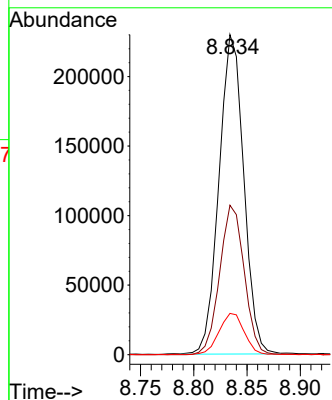
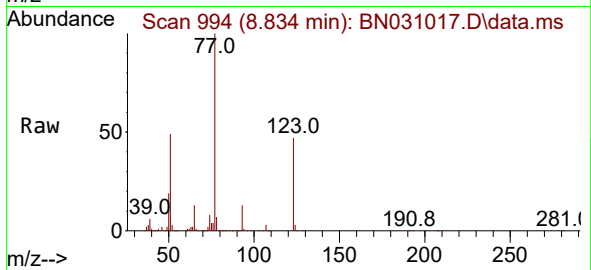




#22
Nitrobenzene
Concen: 40.066 ng/ul
RT: 8.834 min Scan# 994
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

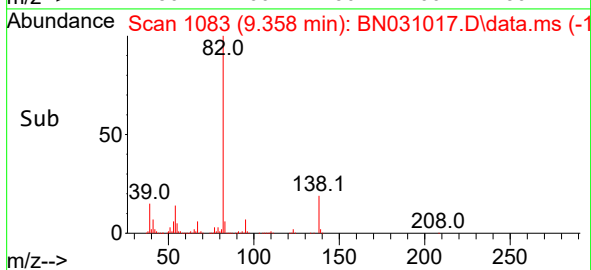
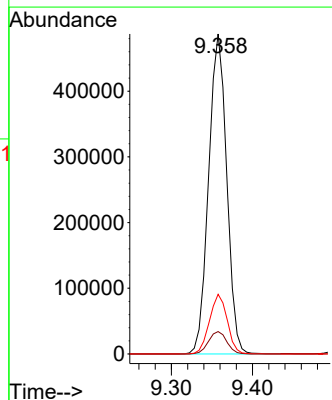
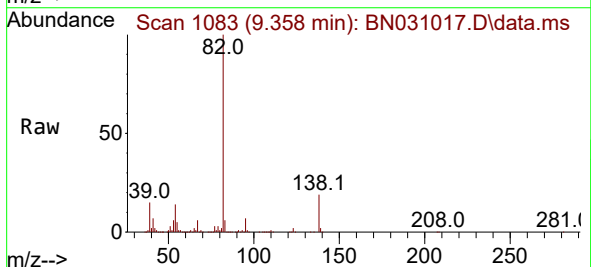
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

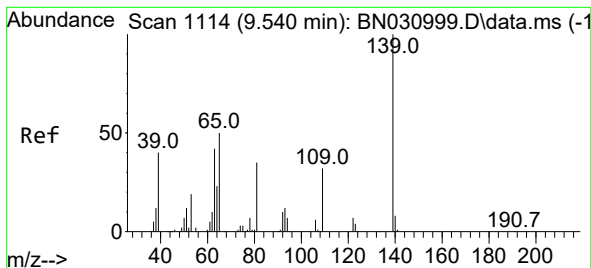
Tgt Ion: 77 Resp: 370386
Ion Ratio Lower Upper
77 100
123 46.7 37.5 56.3
65 12.9 10.6 15.8



#23
Isophorone
Concen: 40.825 ng/ul
RT: 9.358 min Scan# 1083
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion: 82 Resp: 752664
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 18.6 14.6 21.8





#25

2-Nitrophenol

Concen: 39.383 ng/ul

RT: 9.540 min Scan# 1114

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

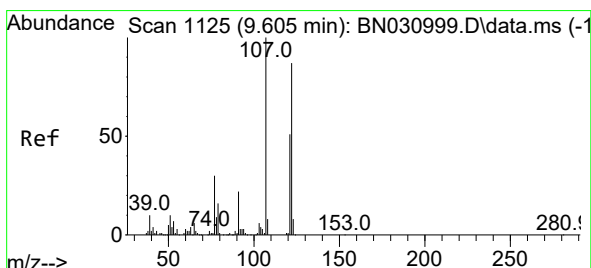
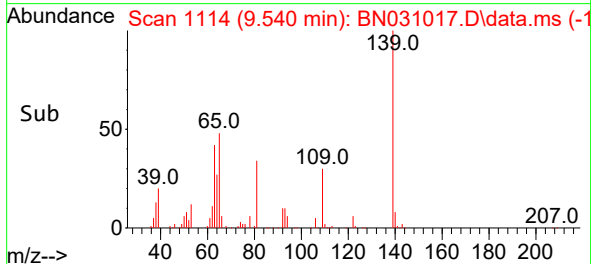
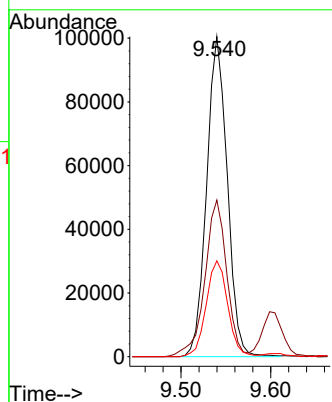
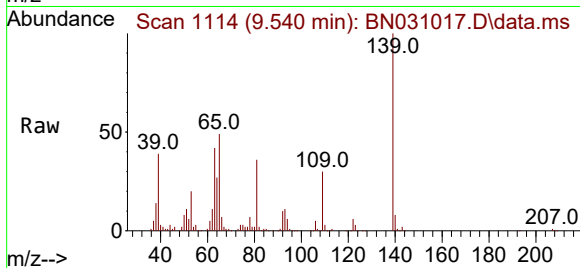
Tgt Ion:139 Resp: 160350

Ion Ratio Lower Upper

139 100

65 48.9 39.5 59.3

109 29.9 23.8 35.8



#26

2,4-Dimethylphenol

Concen: 27.705 ng/ul

RT: 9.605 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

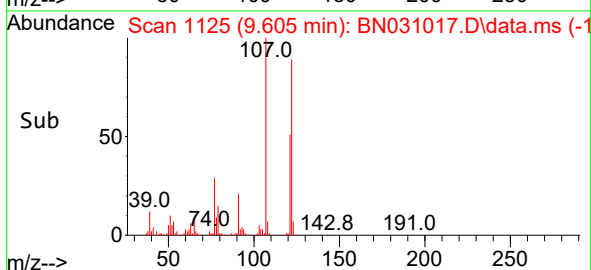
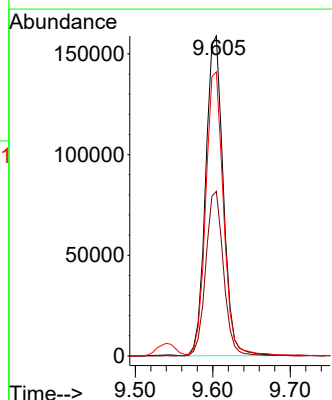
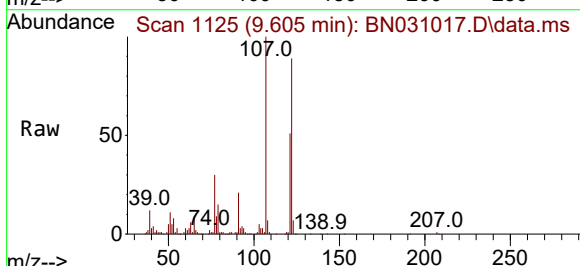
Tgt Ion:107 Resp: 250713

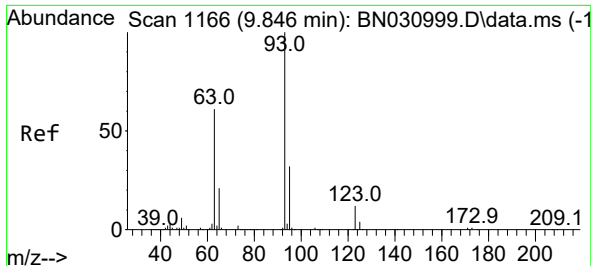
Ion Ratio Lower Upper

107 100

121 51.4 41.6 62.4

122 88.8 71.3 106.9





#27

Bis(2-Chloroethoxy)methane

Concen: 39.206 ng/ul

RT: 9.840 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

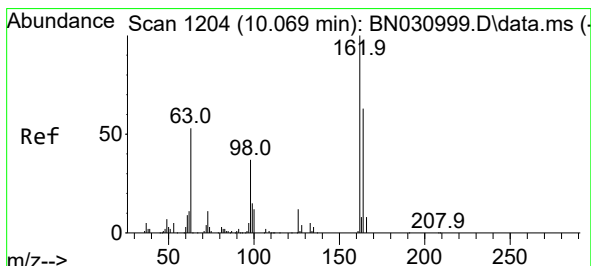
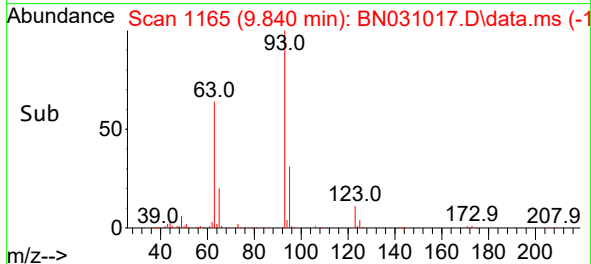
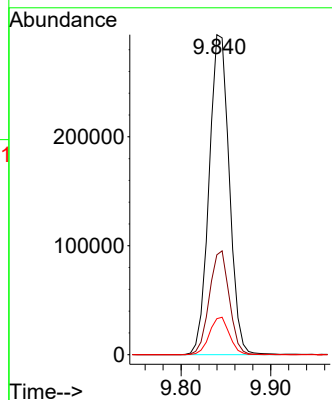
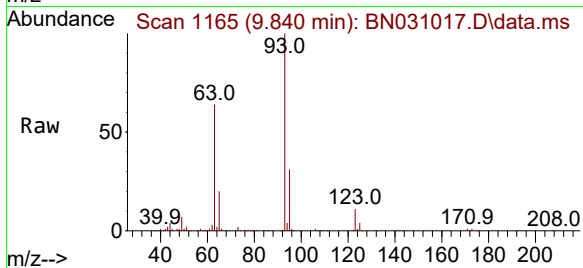
Tgt Ion: 93 Resp: 459560

Ion Ratio Lower Upper

93 100

95 31.2 25.4 38.0

123 11.3 9.4 14.0



#29

2,4-Dichlorophenol

Concen: 36.389 ng/ul

RT: 10.069 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

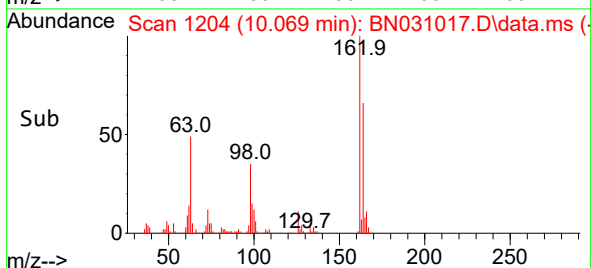
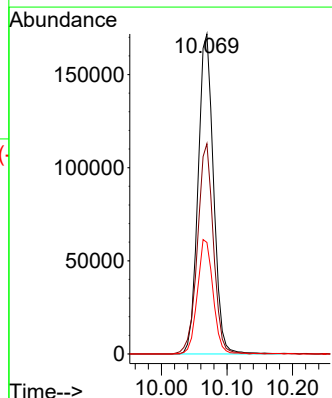
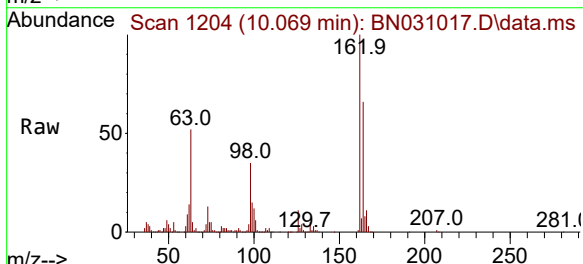
Tgt Ion:162 Resp: 281702

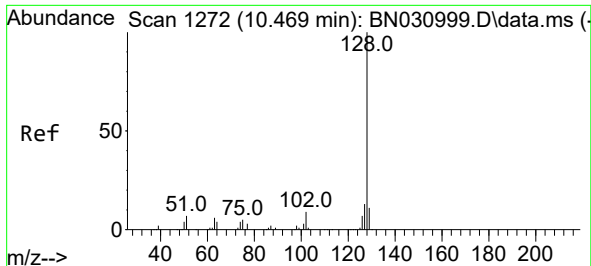
Ion Ratio Lower Upper

162 100

164 65.7 51.8 77.8

98 34.9 28.0 42.0

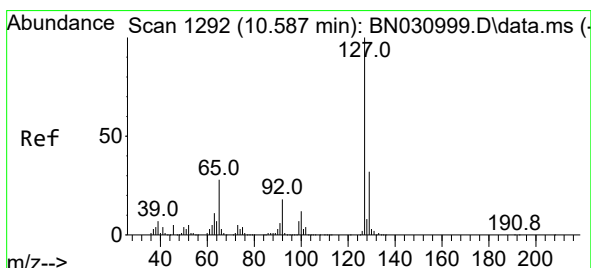
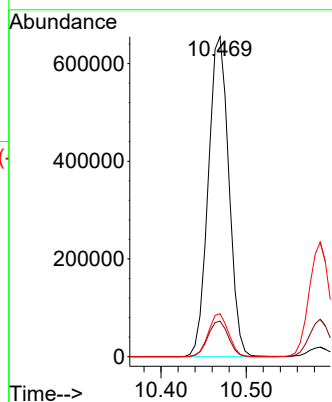
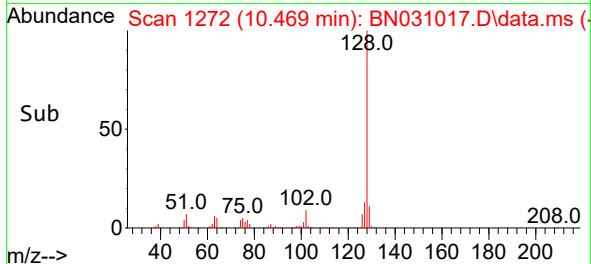
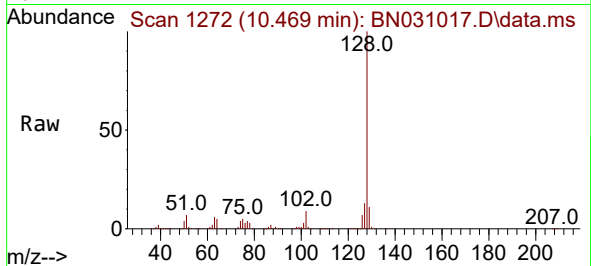




#30
Naphthalene
Concen: 39.204 ng/ul
RT: 10.469 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

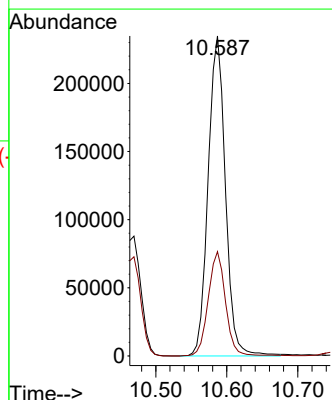
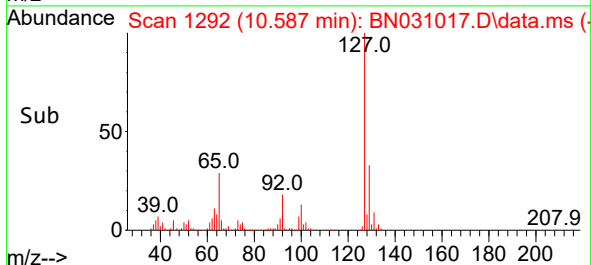
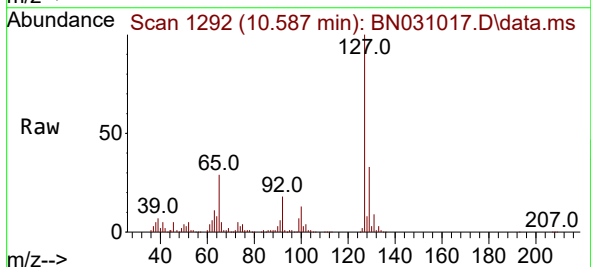
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

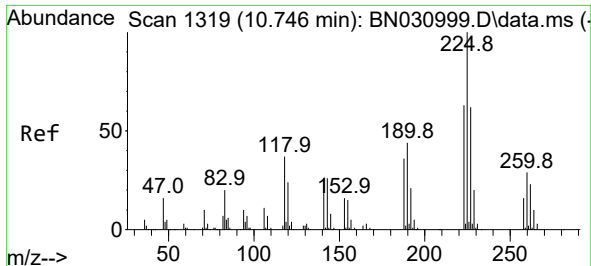
Tgt Ion:128 Resp: 1097673
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.4 10.5 15.7



#32
4-Chloroaniline
Concen: 33.043 ng/ul
RT: 10.587 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:127 Resp: 397611
Ion Ratio Lower Upper
127 100
129 32.6 25.3 37.9

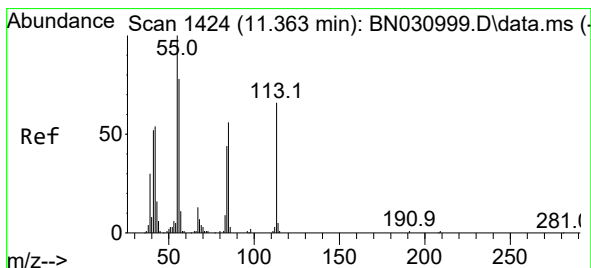
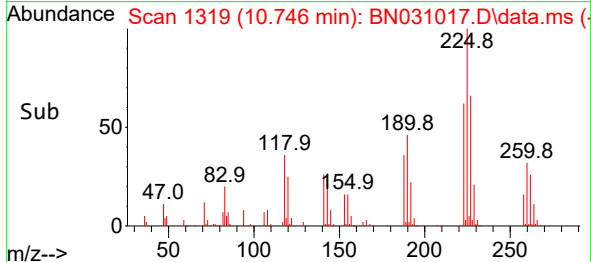
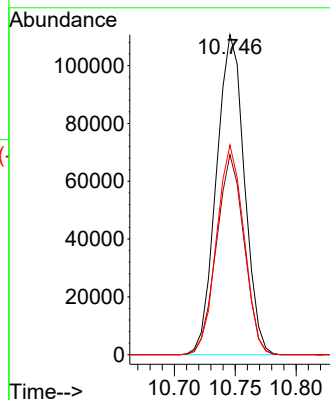
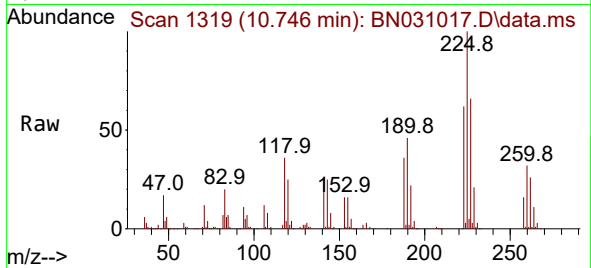




#33
Hexachlorobutadiene
Concen: 36.356 ng/ul
RT: 10.746 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

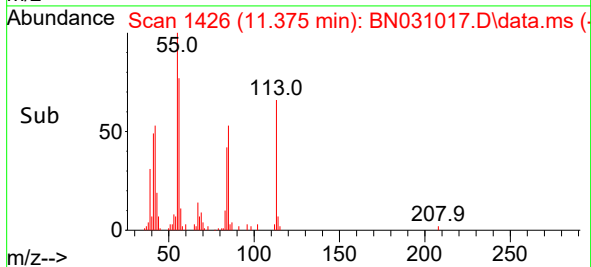
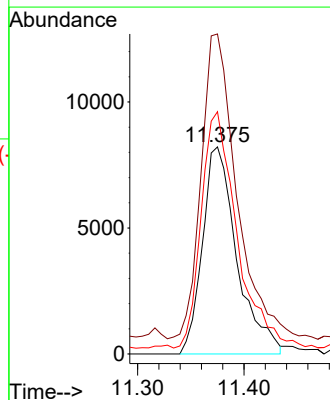
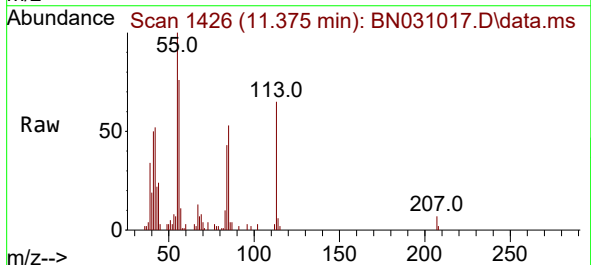
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

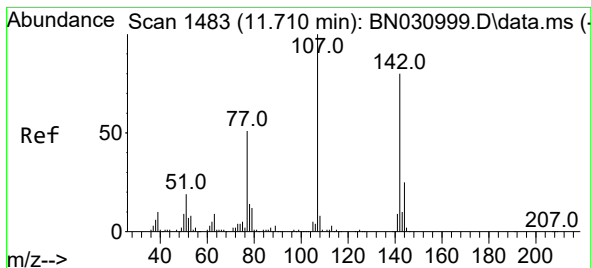
Tgt Ion:225 Resp: 177156
Ion Ratio Lower Upper
225 100
223 62.5 50.9 76.3
227 65.5 51.6 77.4



#34
Caprolactam
Concen: 6.374 ng/ul
RT: 11.375 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:113 Resp: 18434
Ion Ratio Lower Upper
113 100
55 154.6 124.7 187.1
56 117.1 90.6 135.8

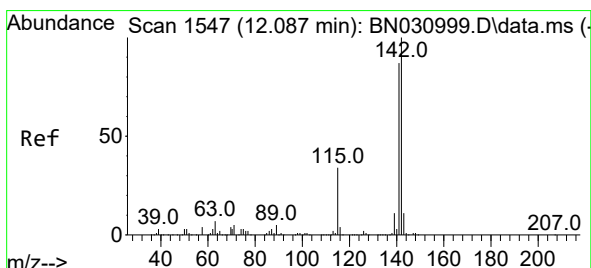
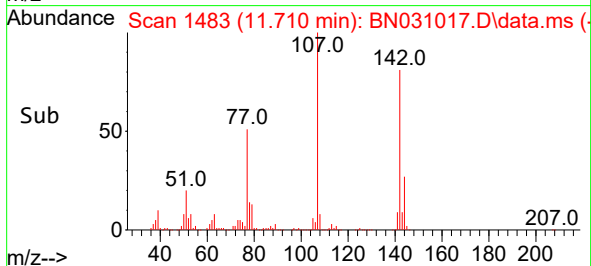
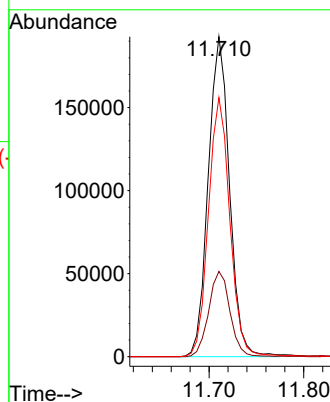
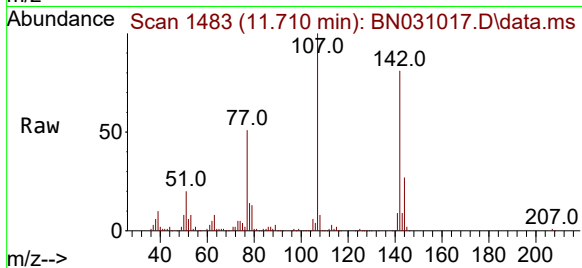




#35
4-Chloro-3-methylphenol
Concen: 34.525 ng/ul
RT: 11.710 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

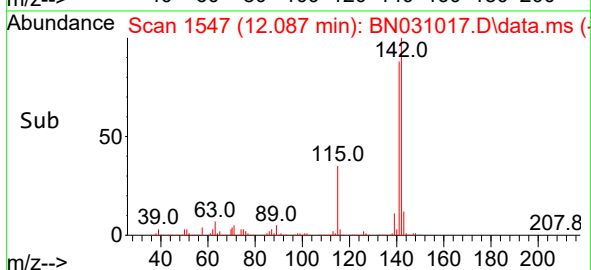
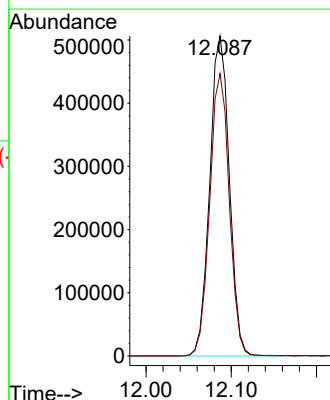
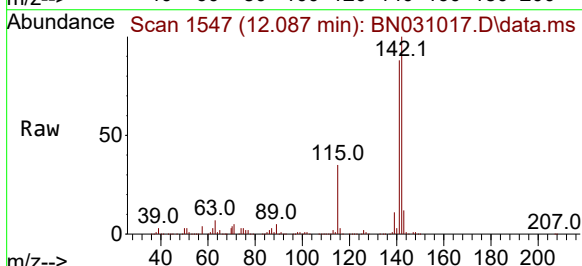
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

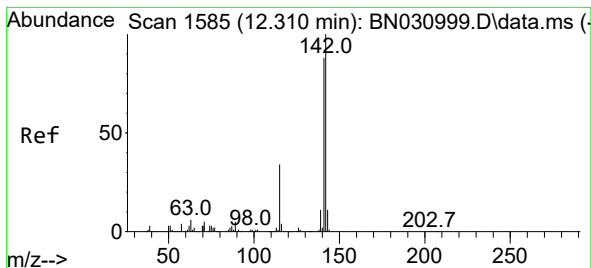
Tgt Ion:107 Resp: 301033
Ion Ratio Lower Upper
107 100
144 26.7 21.4 32.0
142 80.9 65.9 98.9



#36
2-Methylnaphthalene
Concen: 41.315 ng/ul
RT: 12.087 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:142 Resp: 807850
Ion Ratio Lower Upper
142 100
141 88.3 70.8 106.2





#37

1-Methylnaphthalene

Concen: 41.551 ng/ul

RT: 12.310 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

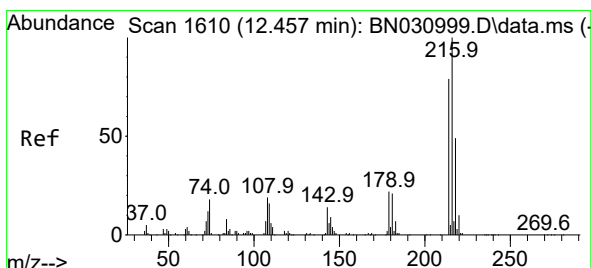
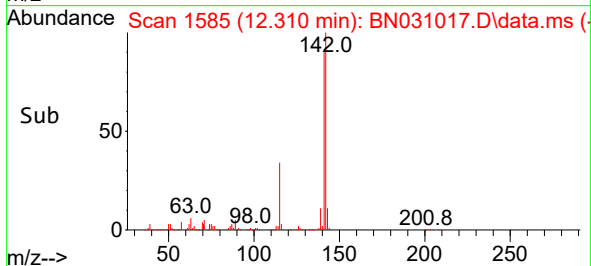
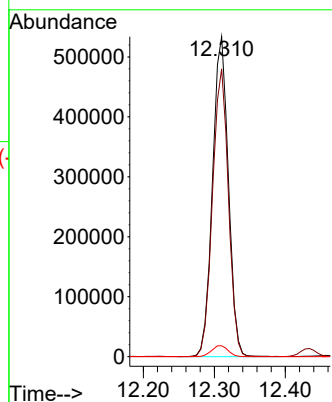
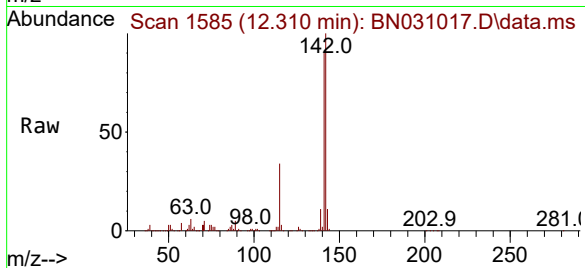
Tgt Ion:142 Resp: 824755

Ion Ratio Lower Upper

142 100

141 89.9 73.0 109.4

116 3.4 2.9 4.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.534 ng/ul

RT: 12.457 min Scan# 1610

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Tgt Ion:216 Resp: 407119

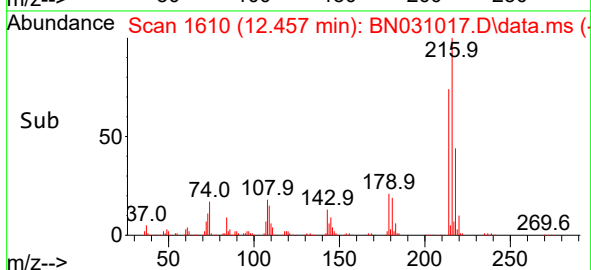
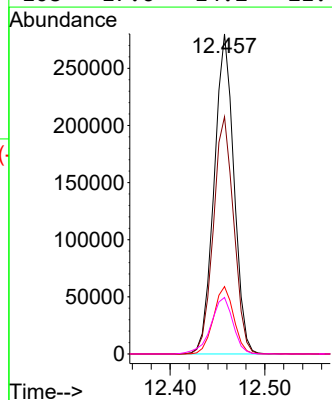
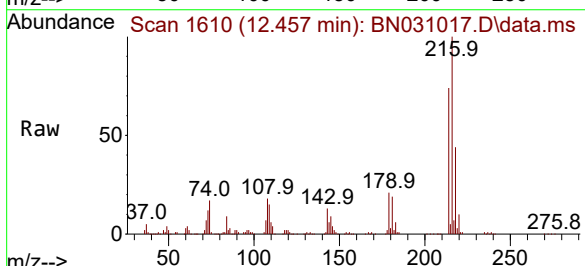
Ion Ratio Lower Upper

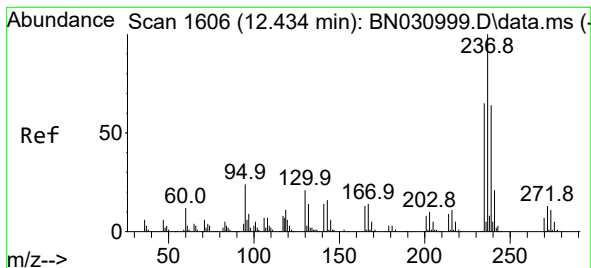
216 100

214 74.1 60.9 91.3

179 21.1 17.4 26.0

108 17.6 14.2 21.4





#40

Hexachlorocyclopentadiene

Concen: 26.396 ng/ul

RT: 12.434 min Scan# 1606

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

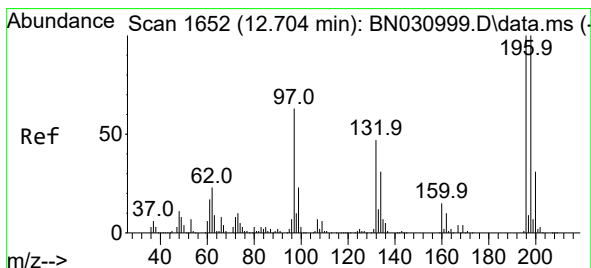
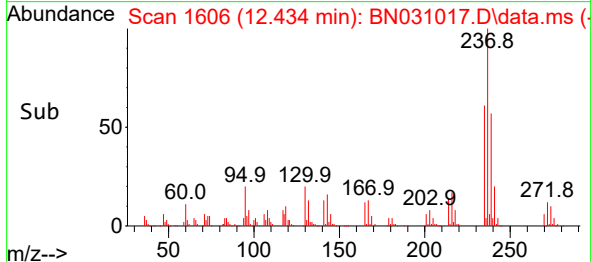
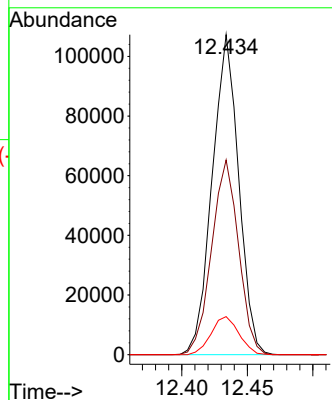
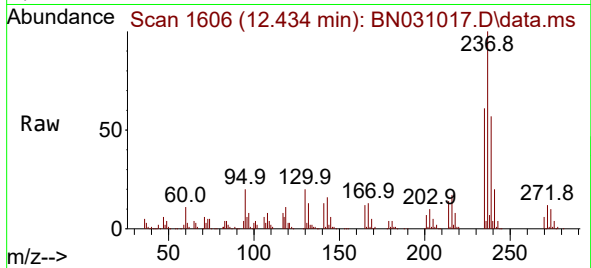
Tgt Ion:237 Resp: 150561

Ion Ratio Lower Upper

237 100

235 60.9 50.6 76.0

272 11.9 10.2 15.4



#41

2,4,6-Trichlorophenol

Concen: 38.822 ng/ul

RT: 12.704 min Scan# 1652

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

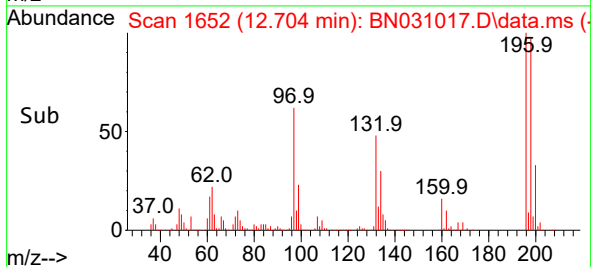
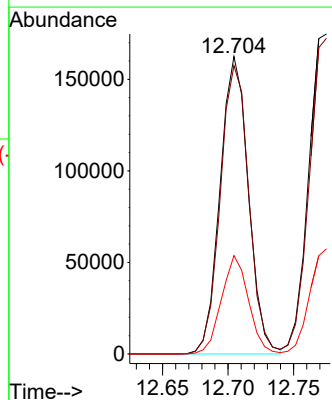
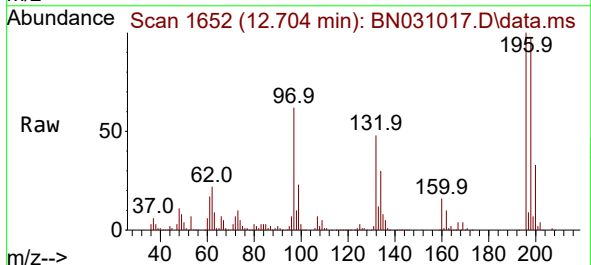
Tgt Ion:196 Resp: 243657

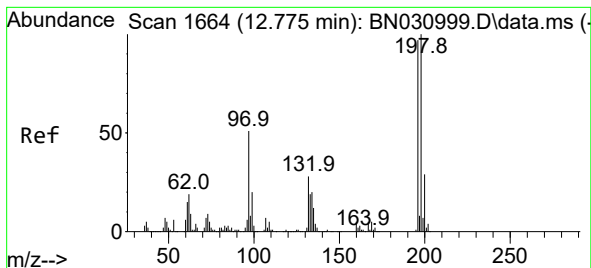
Ion Ratio Lower Upper

196 100

198 96.9 74.6 111.8

200 33.1 24.8 37.2





#42

2,4,5-Trichlorophenol

Concen: 39.168 ng/ul

RT: 12.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

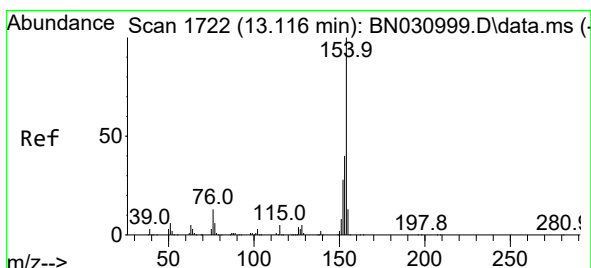
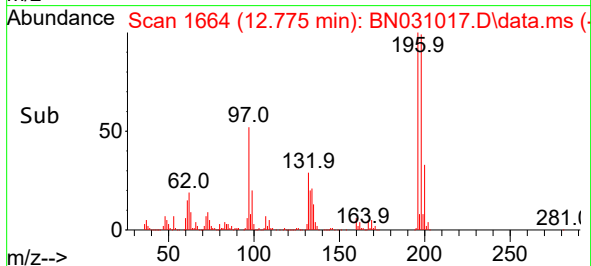
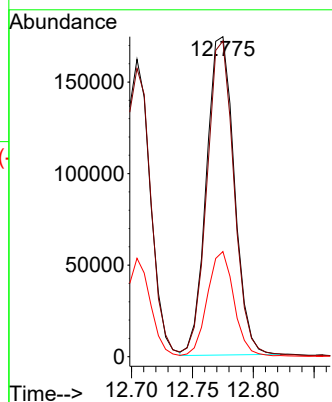
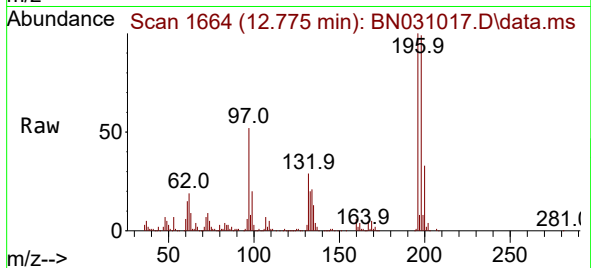
Tgt Ion:196 Resp: 277628

Ion Ratio Lower Upper

196 100

198 98.6 73.0 109.6

200 32.9 25.2 37.8



#43

1,1'-Biphenyl

Concen: 40.426 ng/ul

RT: 13.110 min Scan# 1721

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

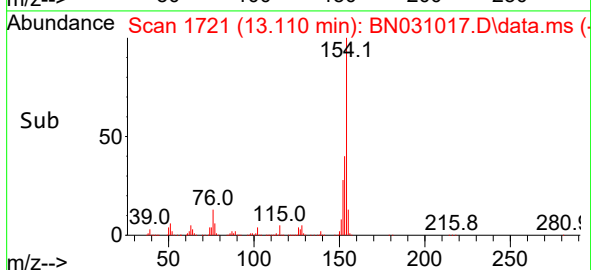
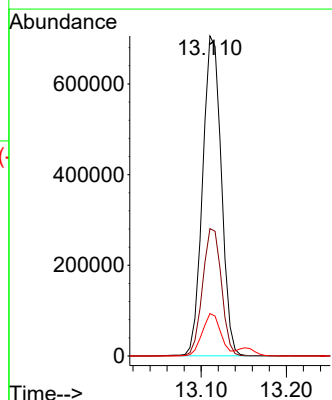
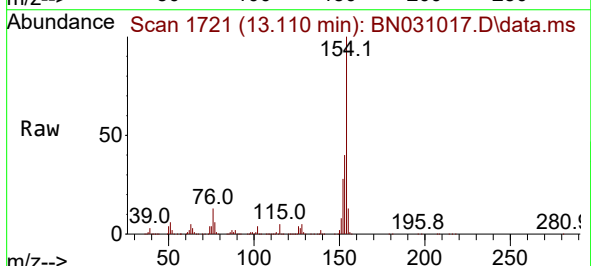
Tgt Ion:154 Resp: 1072405

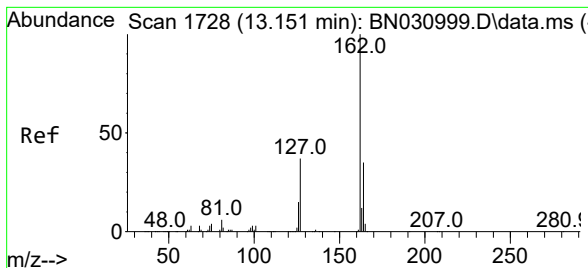
Ion Ratio Lower Upper

154 100

153 39.8 31.5 47.3

76 13.3 9.8 14.6





#44

2-Chloronaphthalene

Concen: 40.394 ng/ul

RT: 13.151 min Scan# 1728

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

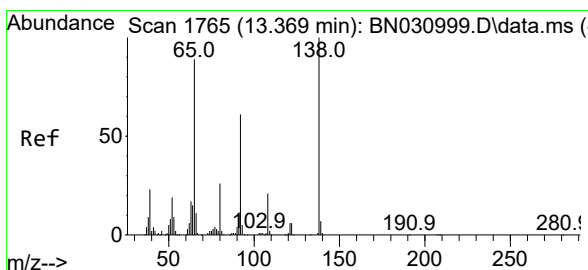
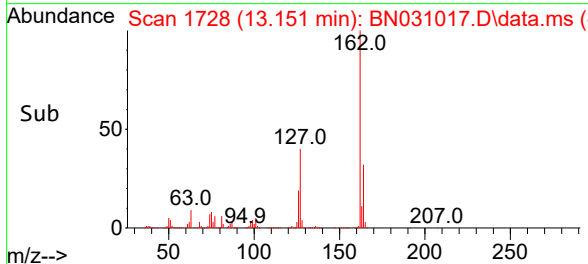
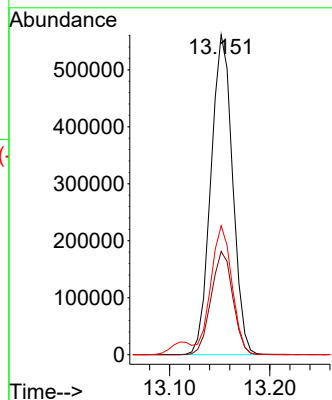
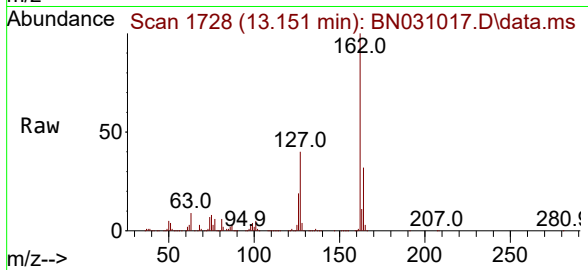
Tgt Ion:162 Resp: 843530

Ion Ratio Lower Upper

162 100

164 32.3 25.7 38.5

127 40.3 32.2 48.2



#45

2-Nitroaniline

Concen: 46.967 ng/ul

RT: 13.369 min Scan# 1765

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

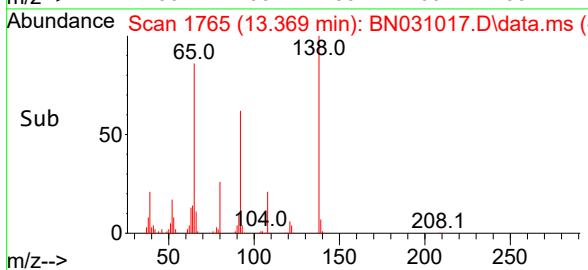
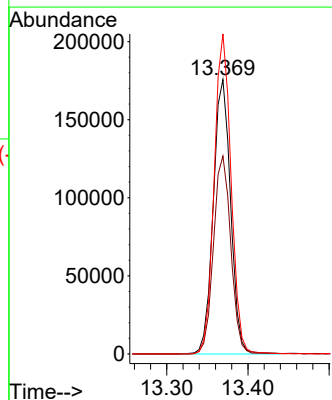
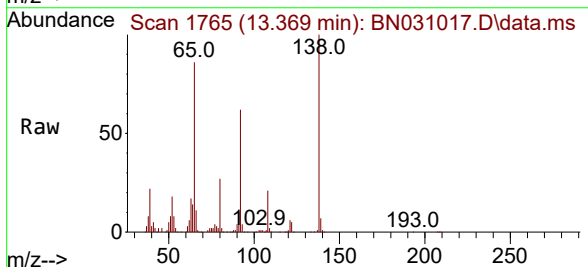
Tgt Ion: 65 Resp: 261009

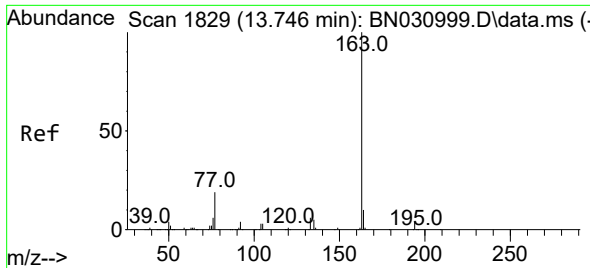
Ion Ratio Lower Upper

65 100

92 72.1 57.7 86.5

138 116.6 90.6 135.8

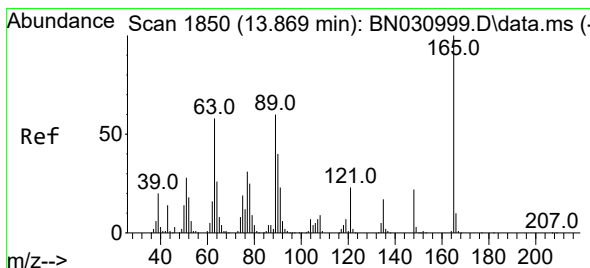
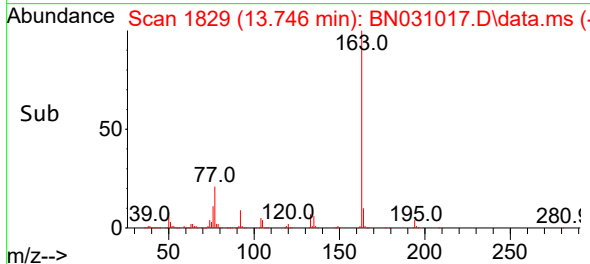
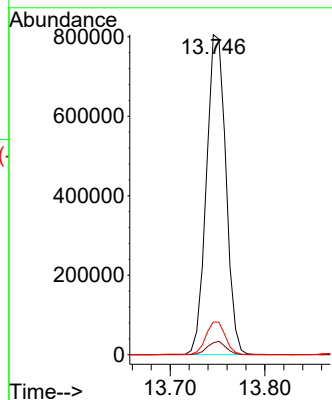
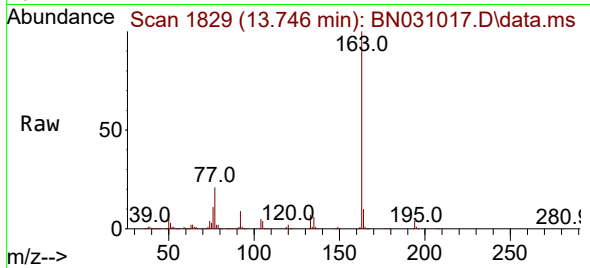




#47
Dimethylphthalate
Concen: 42.901 ng/ul
RT: 13.746 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

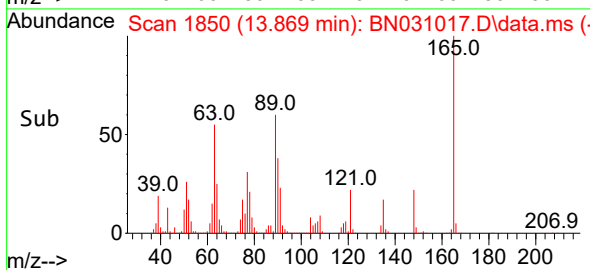
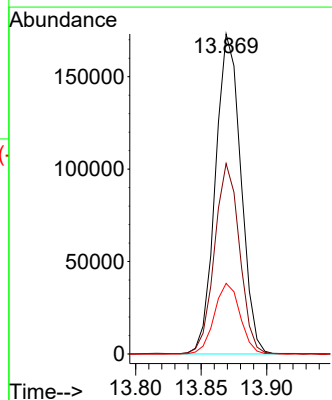
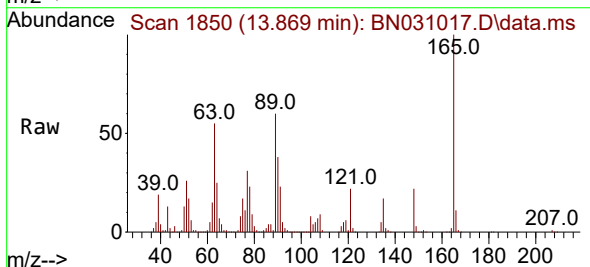
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

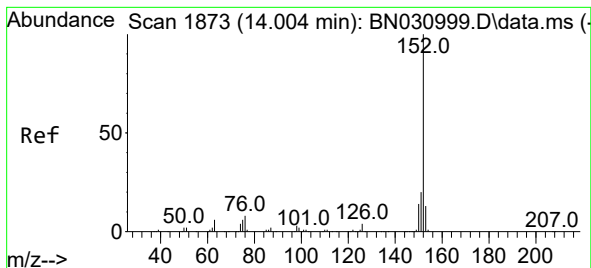
Tgt Ion:163 Resp: 1151546
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.2 8.2 12.4



#48
2,6-Dinitrotoluene
Concen: 46.903 ng/ul
RT: 13.869 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:165 Resp: 233422
Ion Ratio Lower Upper
165 100
89 59.5 43.5 65.3
121 22.1 15.7 23.5





#50

Acenaphthylene

Concen: 41.617 ng/ul

RT: 14.004 min Scan# 1873

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

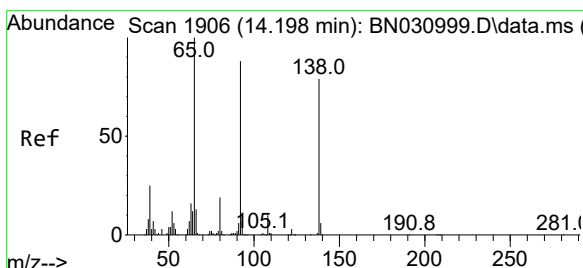
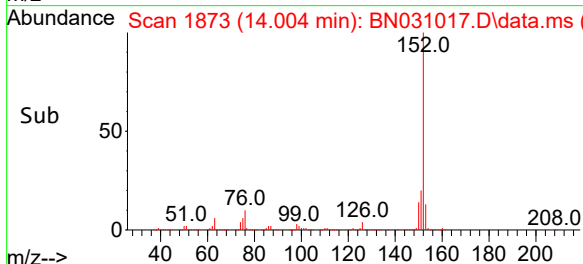
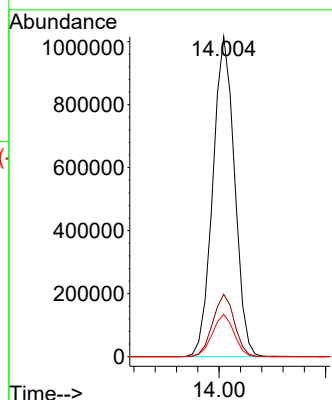
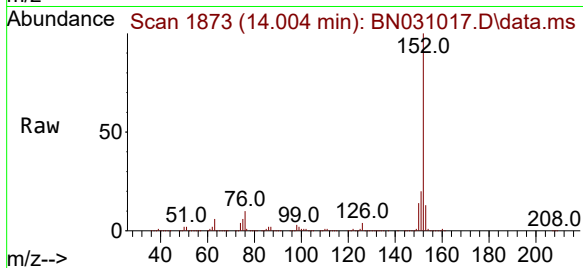
Tgt Ion:152 Resp: 1436596

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8

153 13.2 10.7 16.1



#51

3-Nitroaniline

Concen: 46.461 ng/ul

RT: 14.198 min Scan# 1906

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

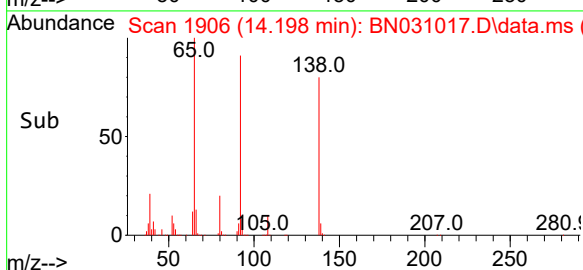
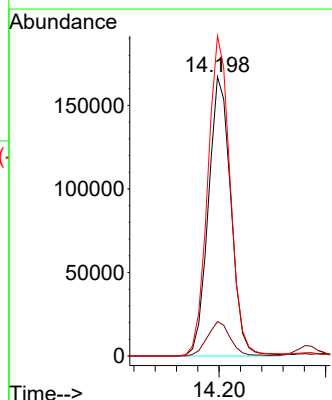
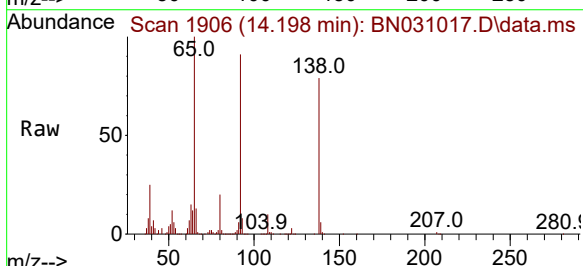
Tgt Ion:138 Resp: 245422

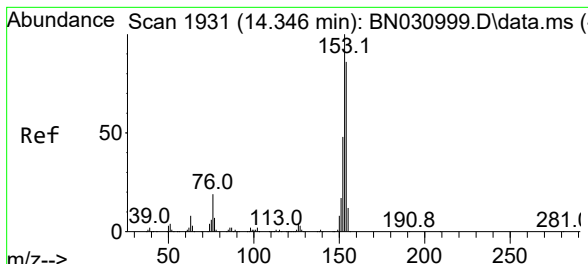
Ion Ratio Lower Upper

138 100

108 12.3 9.6 14.4

92 114.6 89.6 134.4

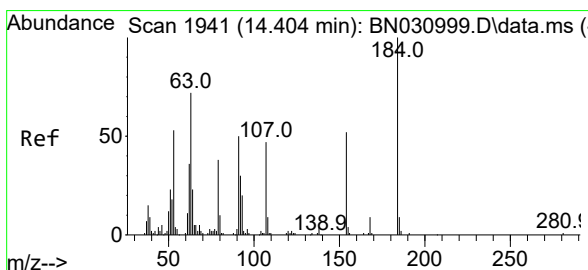
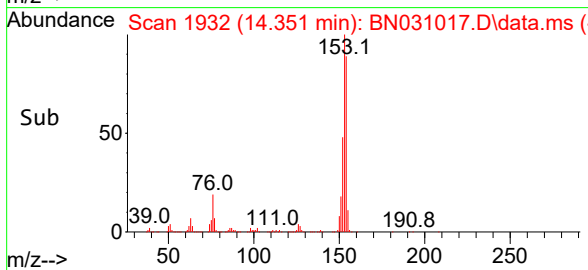
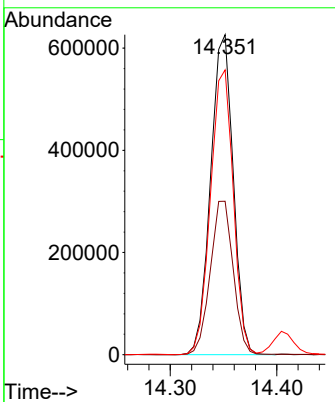
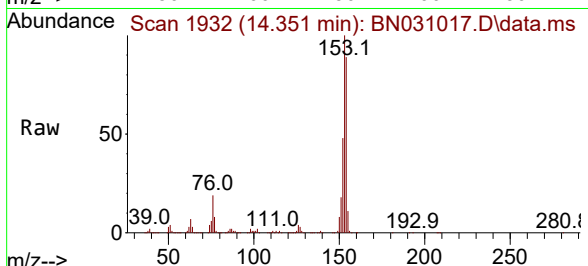




#52
 Acenaphthene
 Concen: 40.131 ng/ul
 RT: 14.351 min Scan# 1932
 Delta R.T. 0.000 min
 Lab File: BN031017.D
 Acq: 18 Apr 2024 20:34

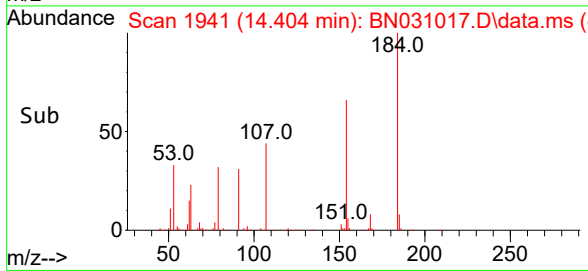
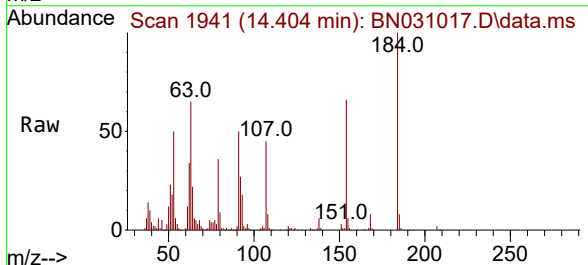
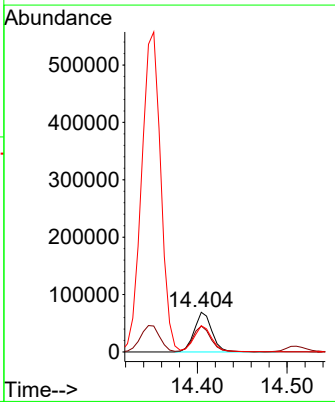
Instrument :
 BNA_M
 ClientSampleId :
 E07W5MSD

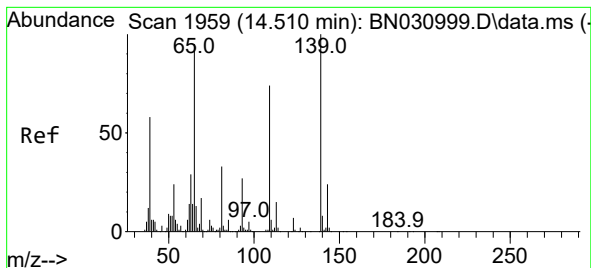
Tgt Ion:153	Resp: 923177
Ion Ratio	Lower Upper
153	100
152	47.9 37.6 56.4
154	89.0 70.3 105.5



#53
 2,4-Dinitrophenol
 Concen: 41.592 ng/ul
 RT: 14.404 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: BN031017.D
 Acq: 18 Apr 2024 20:34

Tgt Ion:184	Resp: 95072
Ion Ratio	Lower Upper
184	100
63	65.3 49.9 74.9
154	66.1 49.5 74.3

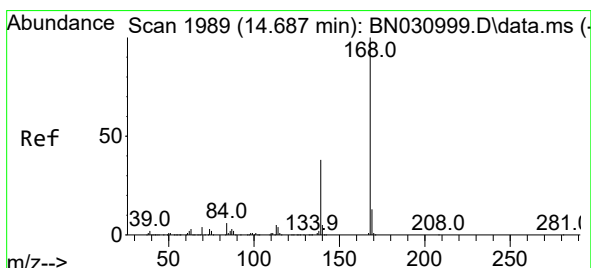
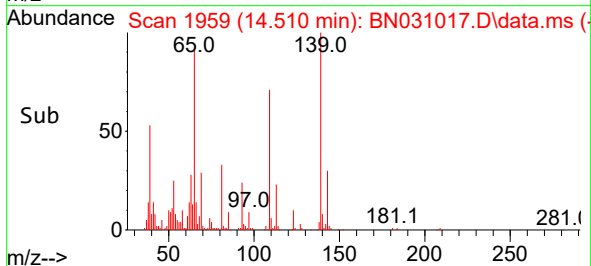
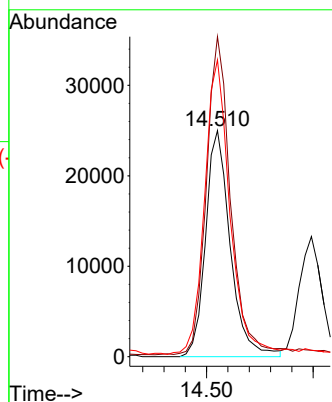
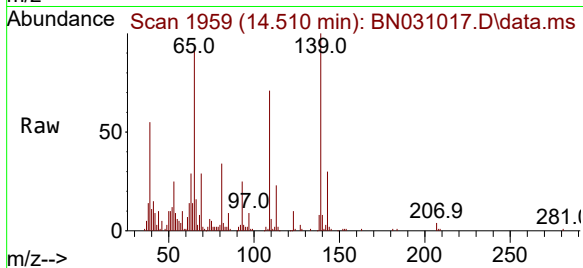




#55
4-Nitrophenol
Concen: 10.226 ng/ul
RT: 14.510 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

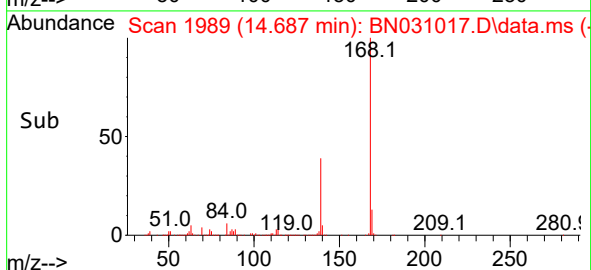
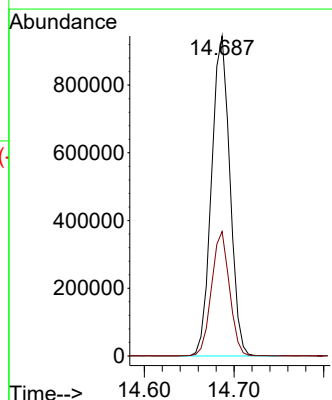
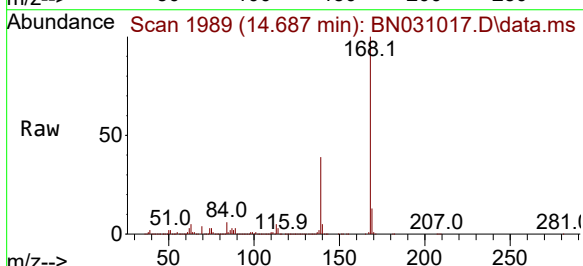
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

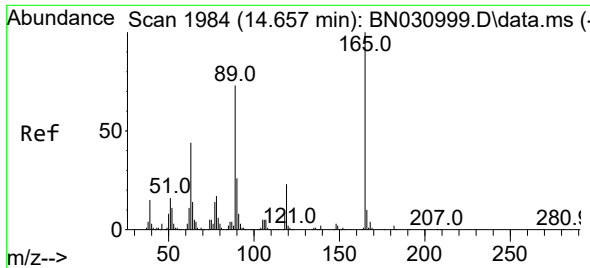
Tgt Ion:109 Resp: 40267
Ion Ratio Lower Upper
109 100
139 141.5 111.8 167.6
65 131.3 98.7 148.1



#56
Dibenzofuran
Concen: 42.011 ng/ul
RT: 14.687 min Scan# 1989
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:168 Resp: 1343389
Ion Ratio Lower Upper
168 100
139 38.9 30.2 45.4

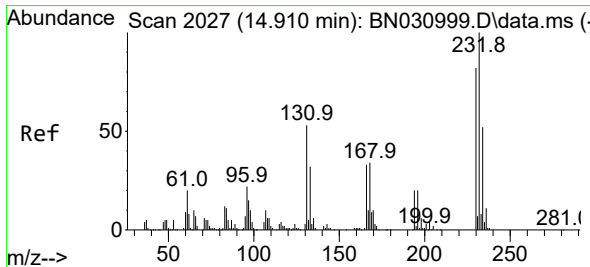
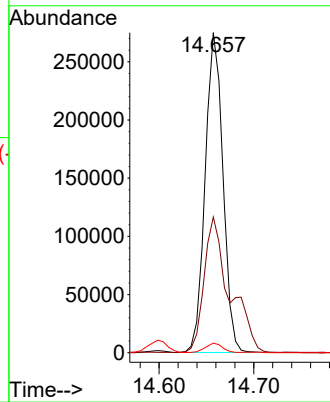
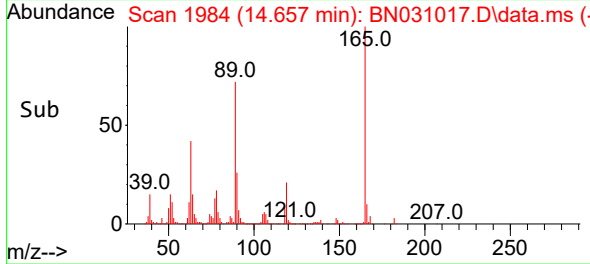
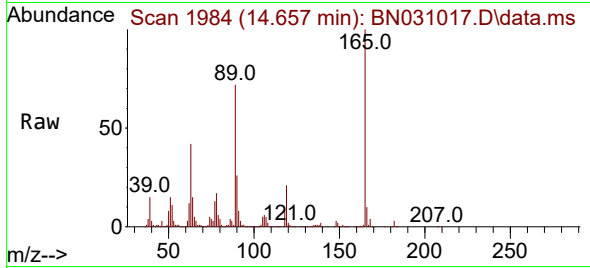




#57
2,4-Dinitrotoluene
Concen: 49.359 ng/ul
RT: 14.657 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

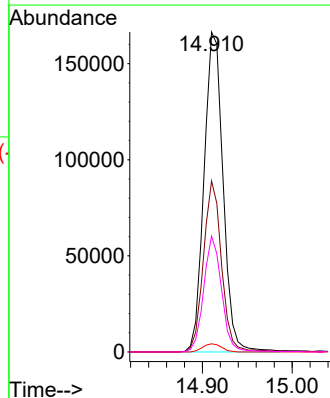
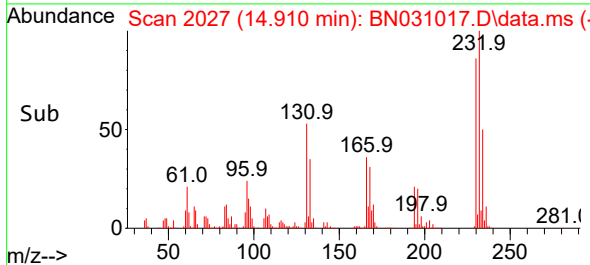
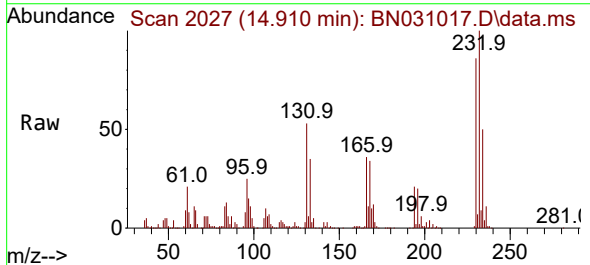
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

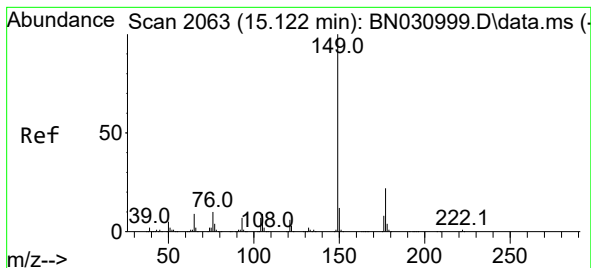
Tgt Ion:165 Resp: 358629
Ion Ratio Lower Upper
165 100
63 42.4 34.7 52.1
182 3.0 2.4 3.6



#58
2,3,4,6-Tetrachlorophenol
Concen: 41.737 ng/ul
RT: 14.910 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:232 Resp: 245694
Ion Ratio Lower Upper
232 100
131 53.5 36.6 55.0
130 2.6 2.2 3.2
166 36.2 26.0 39.0





#59

Diethylphthalate

Concen: 43.685 ng/ul

RT: 15.122 min Scan# 2099

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

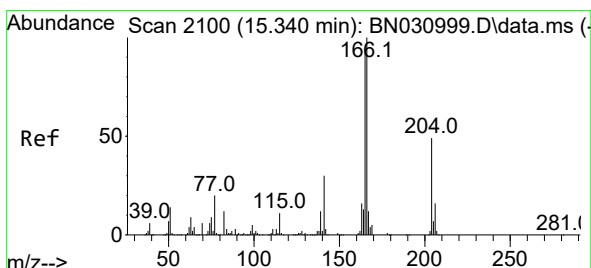
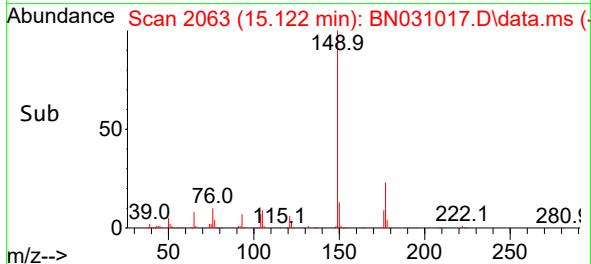
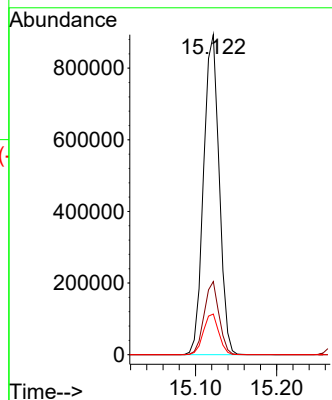
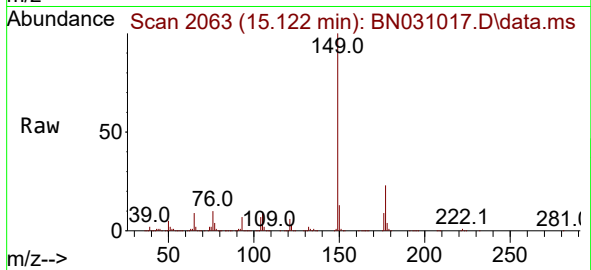
Tgt Ion:149 Resp: 1191248

Ion Ratio Lower Upper

149 100

177 22.8 17.4 26.2

150 12.7 9.8 14.8



#61

Fluorene

Concen: 42.637 ng/ul

RT: 15.334 min Scan# 2099

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

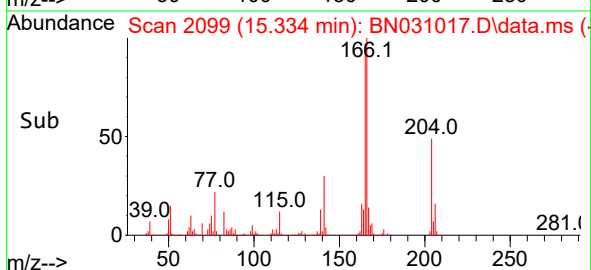
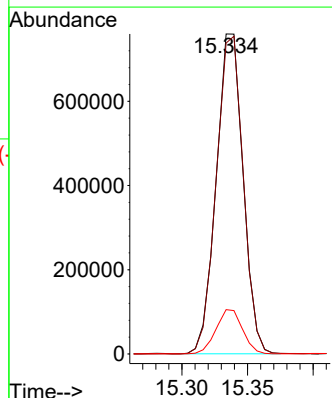
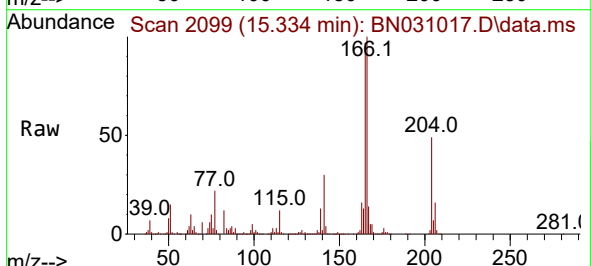
Tgt Ion:166 Resp: 1083692

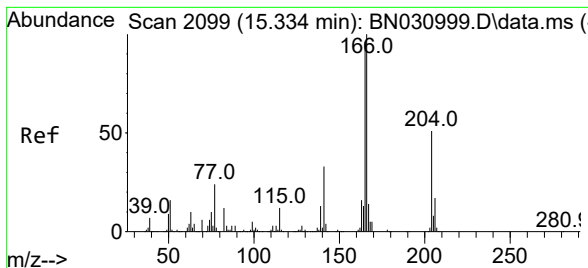
Ion Ratio Lower Upper

166 100

165 97.2 78.2 117.4

167 13.8 11.0 16.4

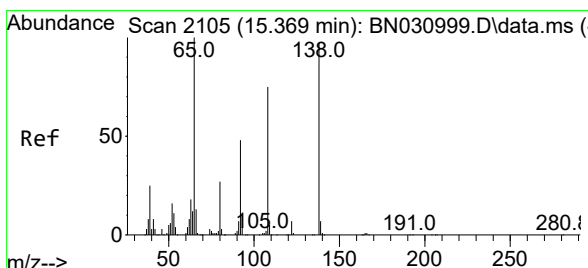
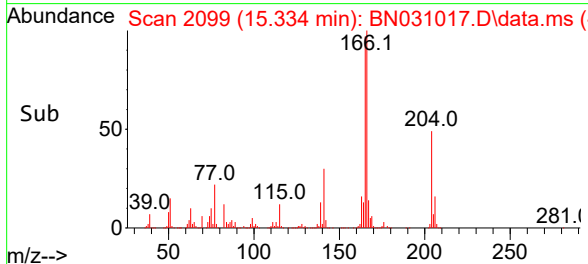
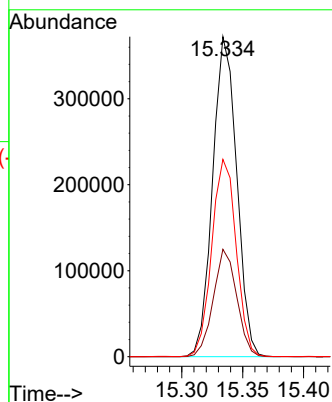
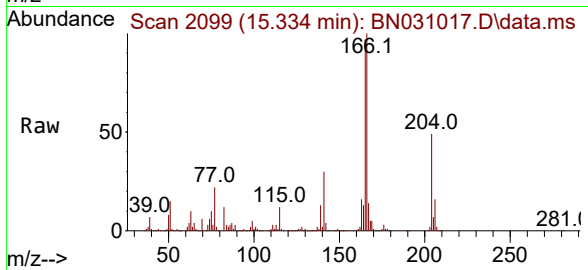




#62
4-Chlorophenyl-phenylether
Concen: 41.050 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

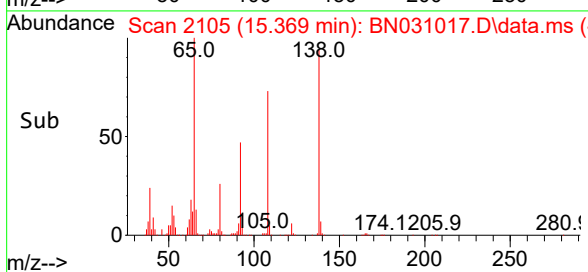
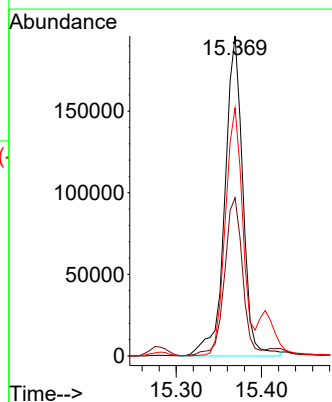
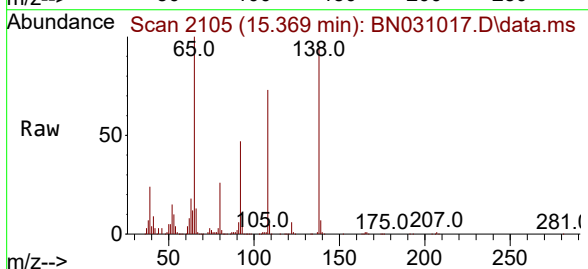
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

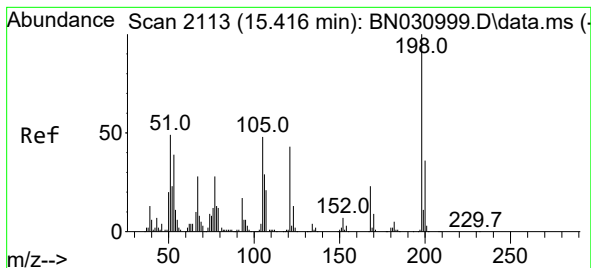
Tgt Ion:204 Resp: 511886
Ion Ratio Lower Upper
204 100
206 33.5 25.8 38.6
141 61.7 49.1 73.7



#63
4-Nitroaniline
Concen: 56.058 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:138 Resp: 287880
Ion Ratio Lower Upper
138 100
92 49.4 39.7 59.5
108 77.5 62.6 94.0

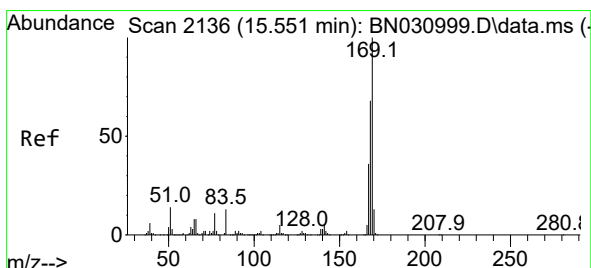
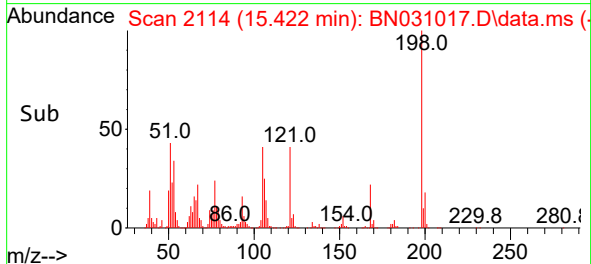
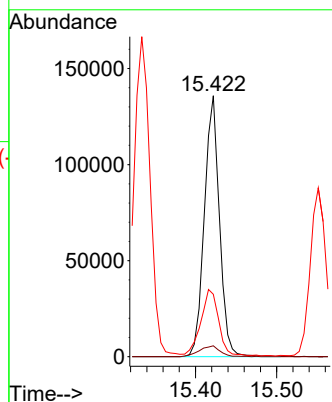
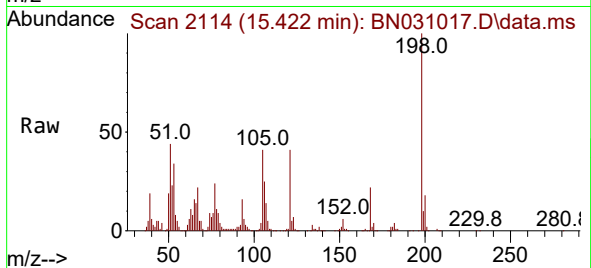




#66
4,6-Dinitro-2-methylphenol
Concen: 43.271 ng/ul
RT: 15.422 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

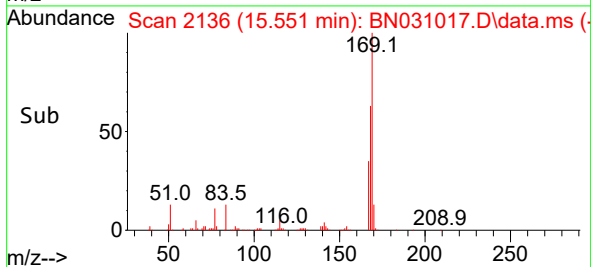
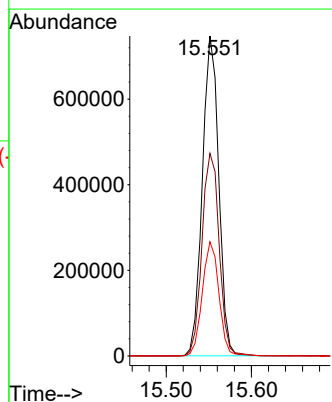
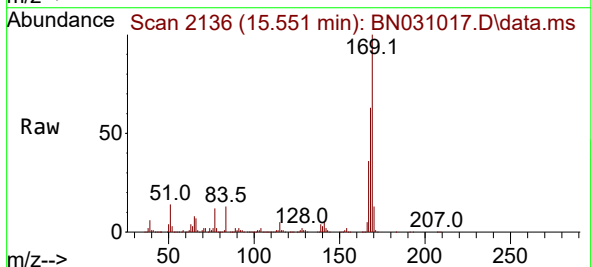
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

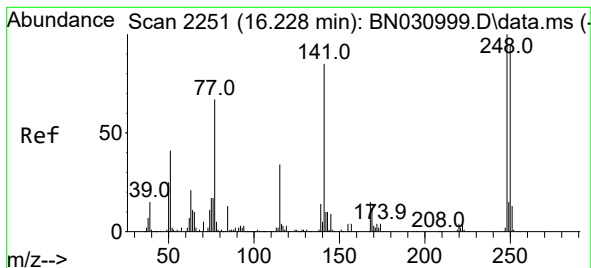
Tgt Ion:198 Resp: 175579
Ion Ratio Lower Upper
198 100
182 4.2 3.6 5.4
77 23.9 22.2 33.4



#67
N-Nitrosodiphenylamine
Concen: 42.825 ng/ul
RT: 15.551 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:169 Resp: 997801
Ion Ratio Lower Upper
169 100
168 63.3 51.9 77.9
167 35.7 29.0 43.4

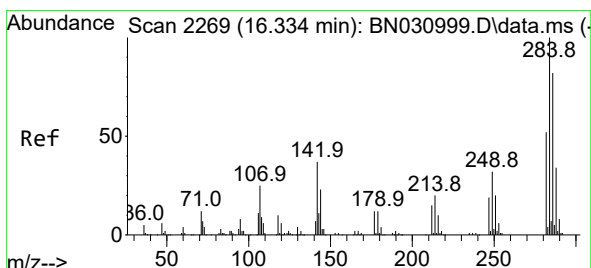
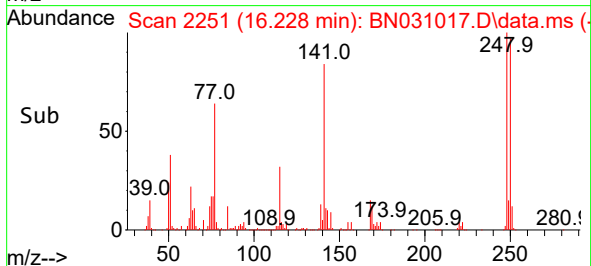
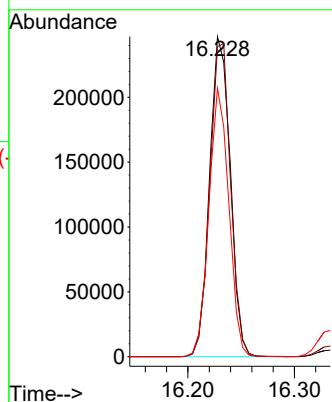
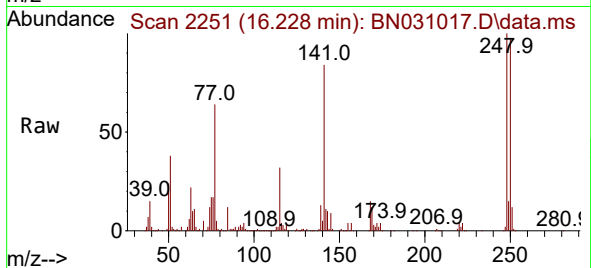




#68
4-Bromophenyl-phenylether
Concen: 40.953 ng/ul
RT: 16.228 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

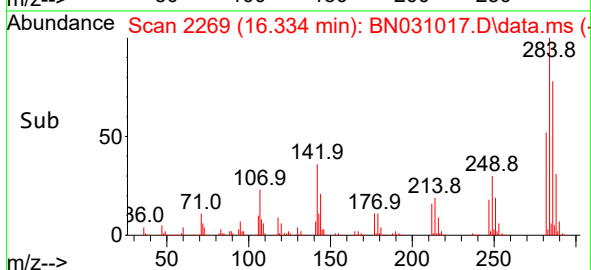
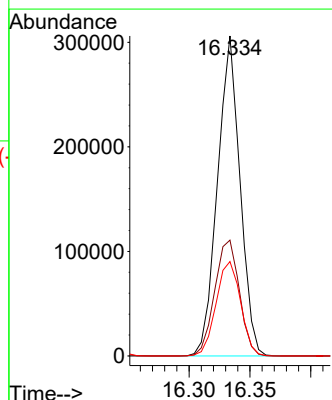
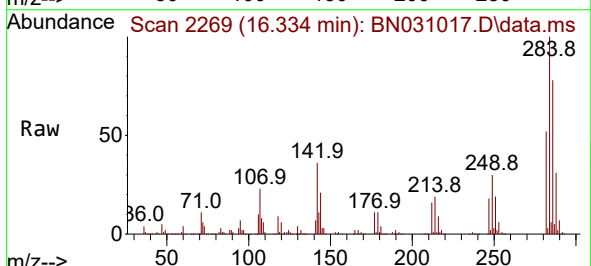
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

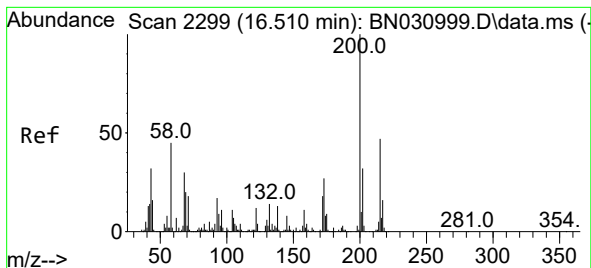
Tgt Ion:248 Resp: 332707
Ion Ratio Lower Upper
248 100
250 96.9 80.0 120.0
141 83.9 60.5 90.7



#69
Hexachlorobenzene
Concen: 41.172 ng/ul
RT: 16.334 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:284 Resp: 393860
Ion Ratio Lower Upper
284 100
142 36.2 28.6 43.0
249 29.5 25.0 37.4





#70

Atrazine

Concen: 44.655 ng/ul

RT: 16.510 min Scan# 2299

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

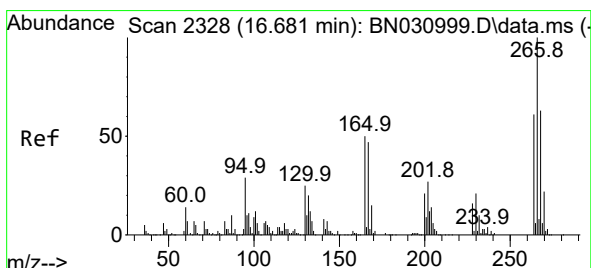
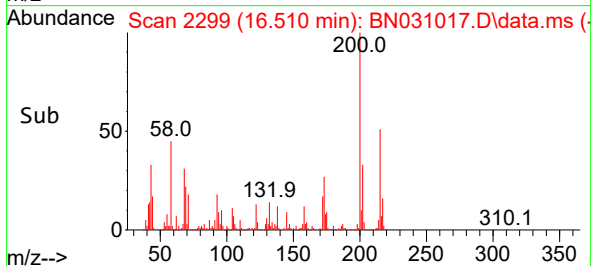
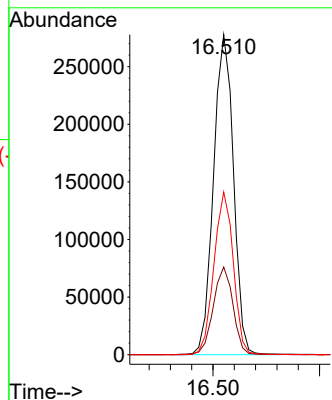
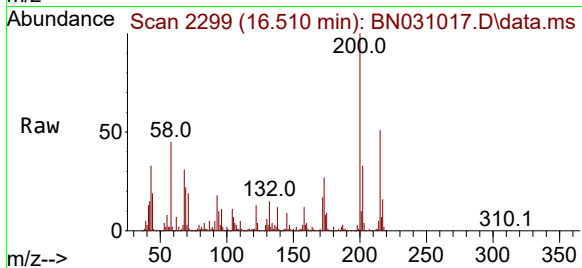
Tgt Ion:200 Resp: 360625

Ion Ratio Lower Upper

200 100

173 27.4 21.5 32.3

215 50.9 37.8 56.8



#71

Pentachlorophenol

Concen: 39.942 ng/ul

RT: 16.681 min Scan# 2328

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

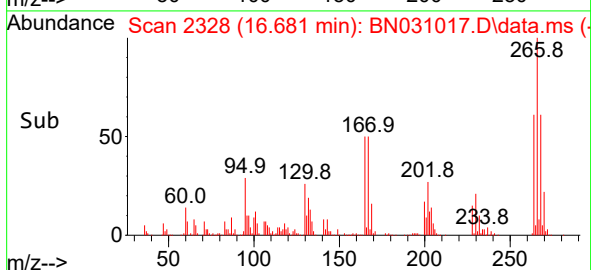
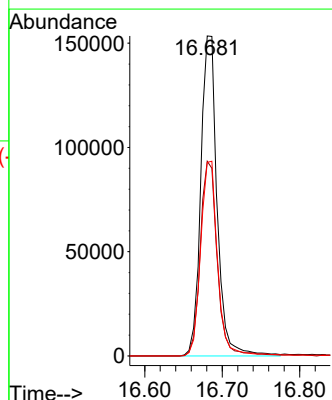
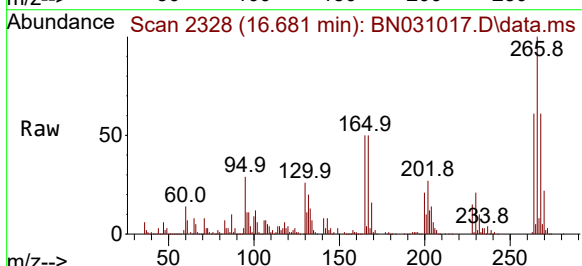
Tgt Ion:266 Resp: 225288

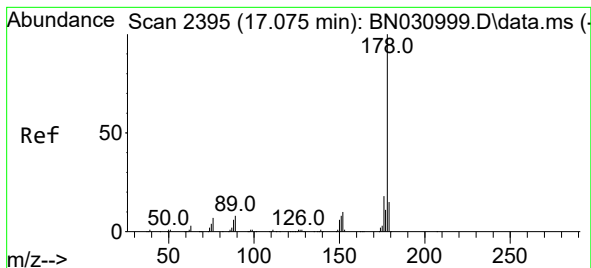
Ion Ratio Lower Upper

266 100

264 60.8 51.0 76.6

268 60.5 52.5 78.7





#72

Phenanthrene

Concen: 43.041 ng/ul

RT: 17.075 min Scan# 2395

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

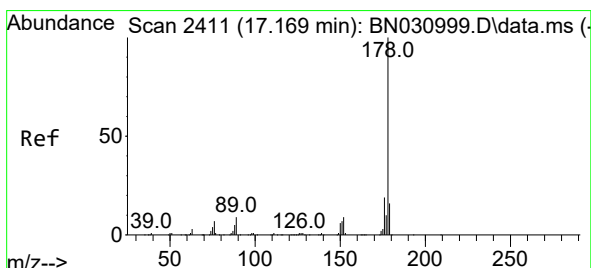
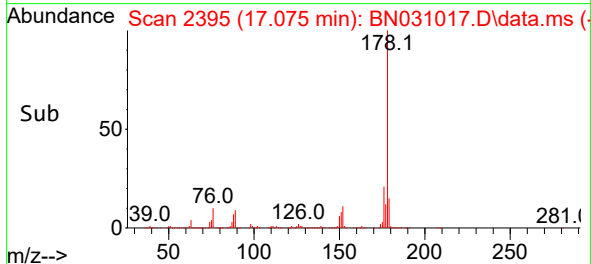
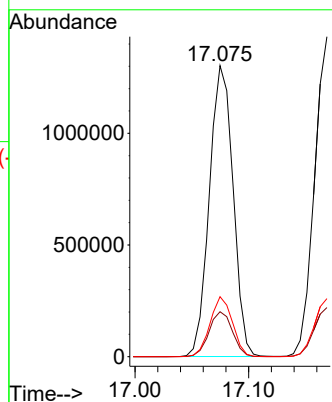
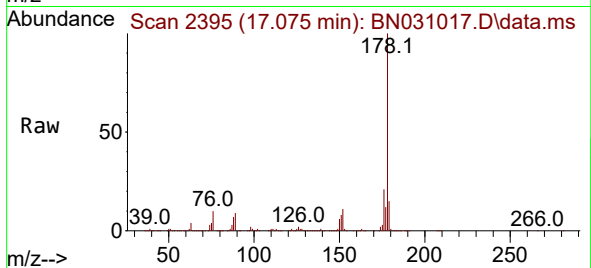
Tgt Ion:178 Resp: 1891892

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 20.6 15.0 22.6



#74

Anthracene

Concen: 43.079 ng/ul

RT: 17.169 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

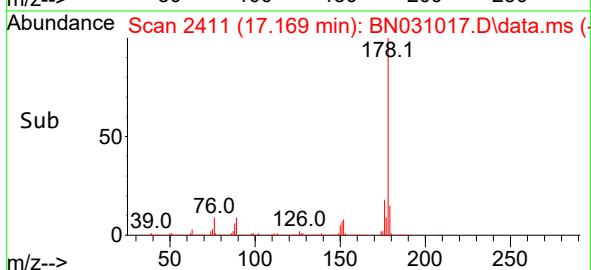
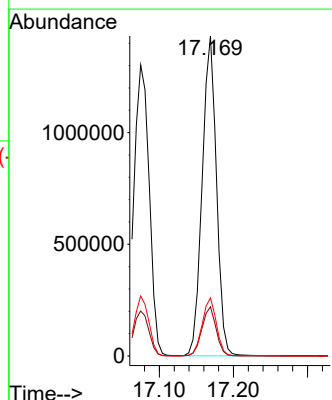
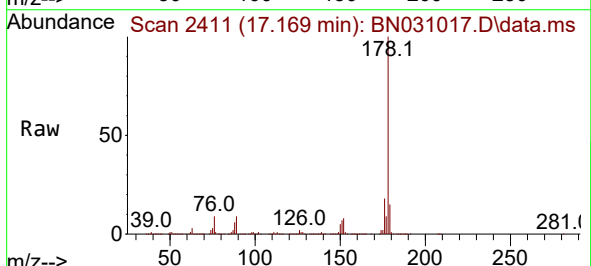
Tgt Ion:178 Resp: 1914254

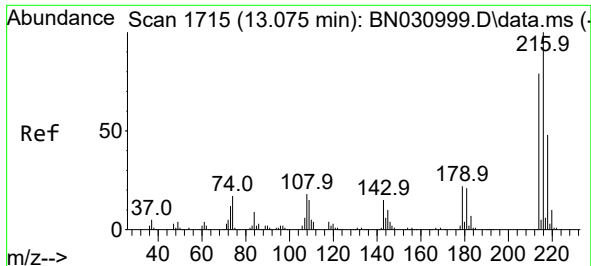
Ion Ratio Lower Upper

178 100

179 15.3 12.0 18.0

176 18.2 15.0 22.4

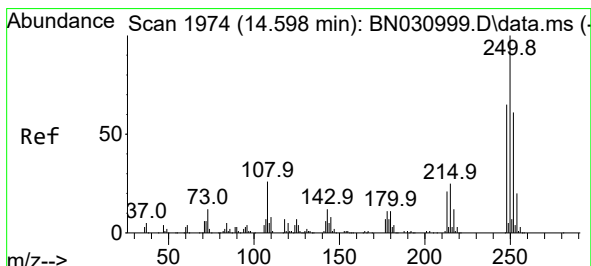
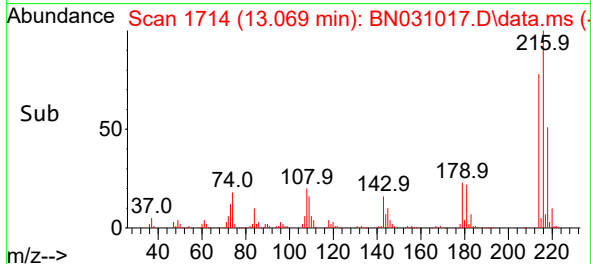
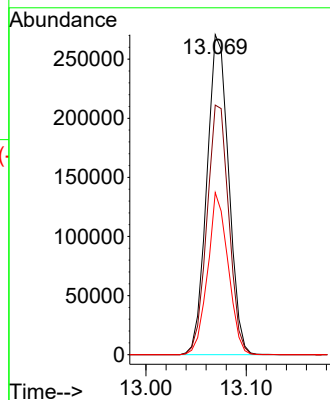
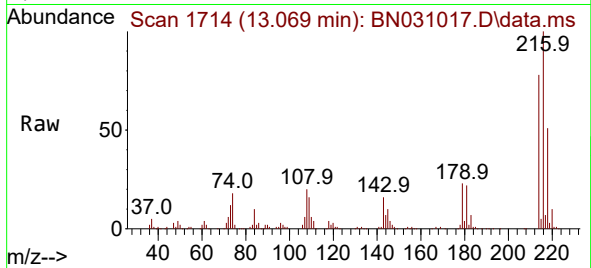




#75
1,2,3,4-Tetrachlorobenzene
Concen: 39.101 ng/uL
RT: 13.069 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

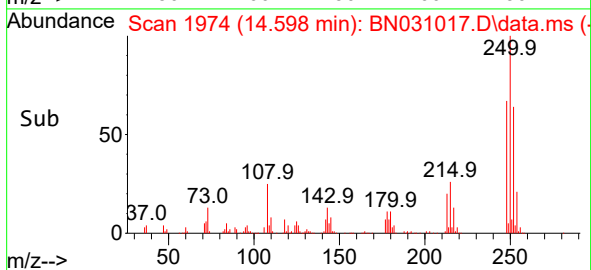
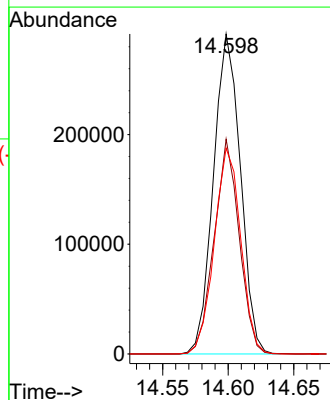
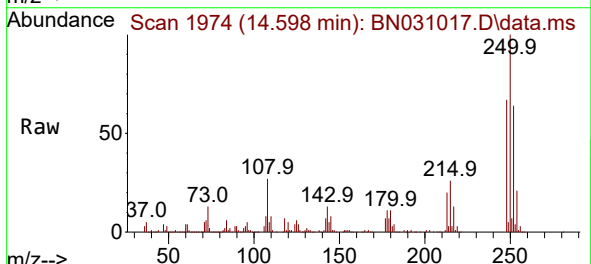
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

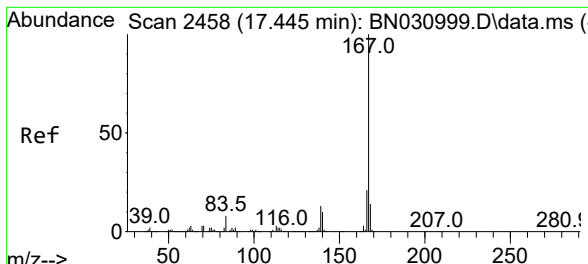
Tgt Ion:216 Resp: 410980
Ion Ratio Lower Upper
216 100
214 78.0 63.1 94.7
218 50.7 39.5 59.3



#76
Pentachlorobenzene
Concen: 39.042 ng/uL
RT: 14.598 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:250 Resp: 416812
Ion Ratio Lower Upper
250 100
248 67.1 45.8 68.6
252 64.4 48.7 73.1



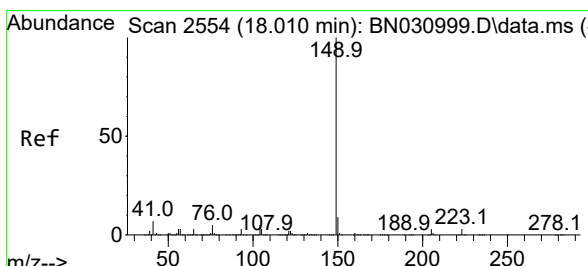
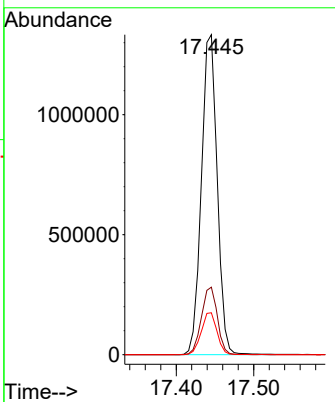
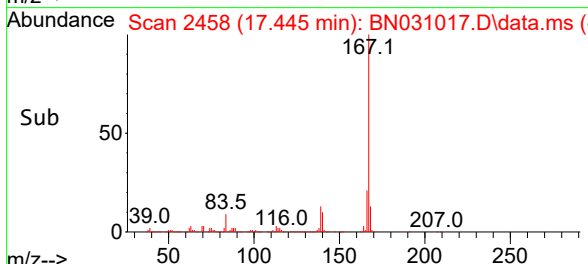
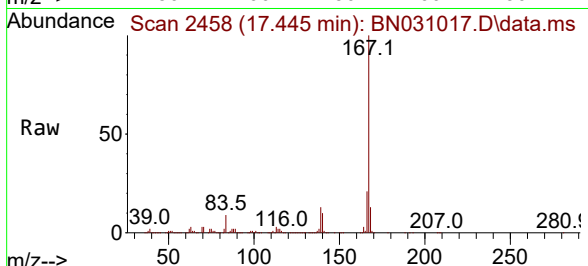


#77
 Carbazole
 Concen: 48.426 ng/ul
 RT: 17.445 min Scan# 2458
 Delta R.T. 0.000 min
 Lab File: BN031017.D
 Acq: 18 Apr 2024 20:34

Instrument :
 BNA_M
 ClientSampleId :
 E07W5MSD

Tgt Ion:167 Resp: 1887092

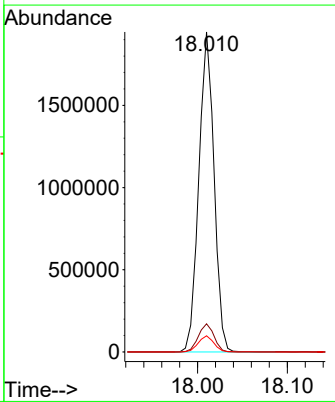
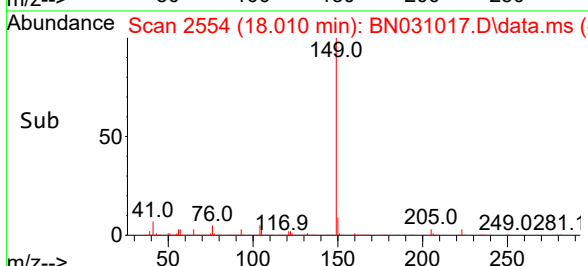
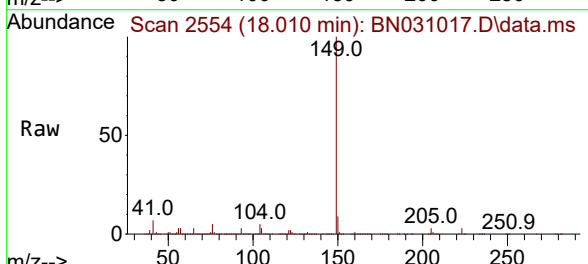
Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.6	24.8
139	13.1	10.5	15.7

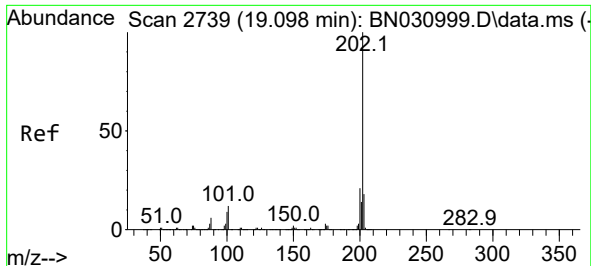


#78
 Di-n-butylphthalate
 Concen: 48.143 ng/ul
 RT: 18.010 min Scan# 2554
 Delta R.T. 0.000 min
 Lab File: BN031017.D
 Acq: 18 Apr 2024 20:34

Tgt Ion:149 Resp: 2288661

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.2	10.8
104	5.0	4.1	6.1

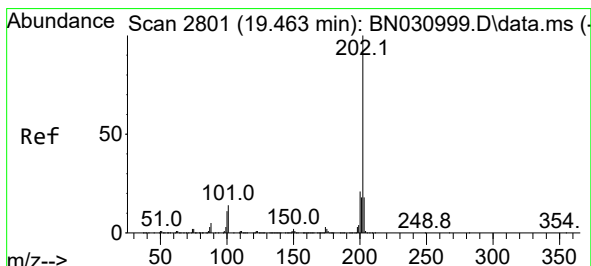
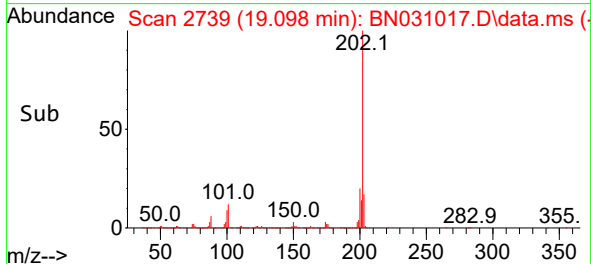
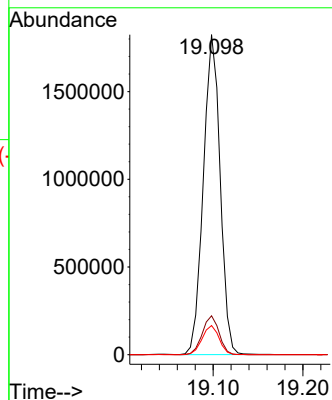
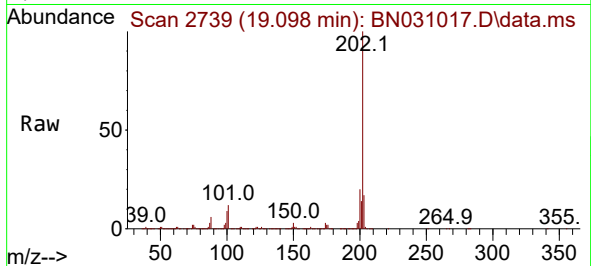




#80
Fluoranthene
Concen: 39.449 ng/ul
RT: 19.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

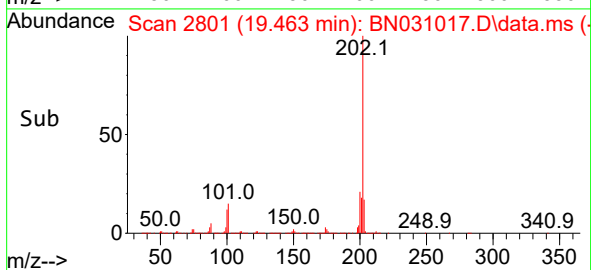
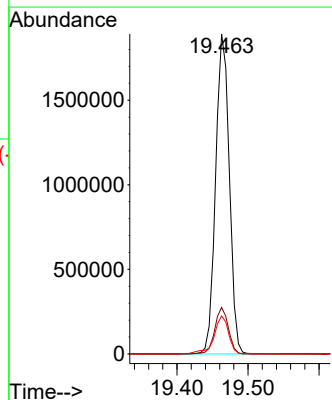
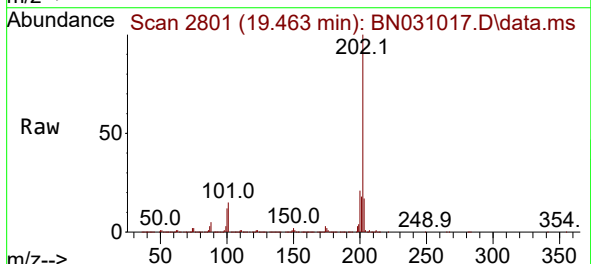
Instrument :
BNA_M
ClientSampleId :
E07W5MSD

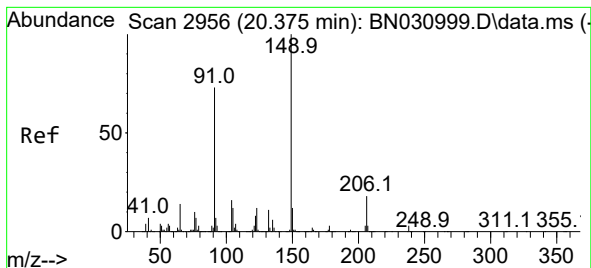
Tgt Ion:202 Resp: 2371526
Ion Ratio Lower Upper
202 100
101 12.2 9.0 13.6
100 9.1 6.8 10.2



#82
Pyrene
Concen: 39.734 ng/ul
RT: 19.463 min Scan# 2801
Delta R.T. -0.006 min
Lab File: BN031017.D
Acq: 18 Apr 2024 20:34

Tgt Ion:202 Resp: 2522706
Ion Ratio Lower Upper
202 100
101 14.5 11.3 16.9
100 11.9 9.2 13.8





#83

Butylbenzylphthalate

Concen: 47.789 ng/ul

RT: 20.375 min Scan# 2956

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

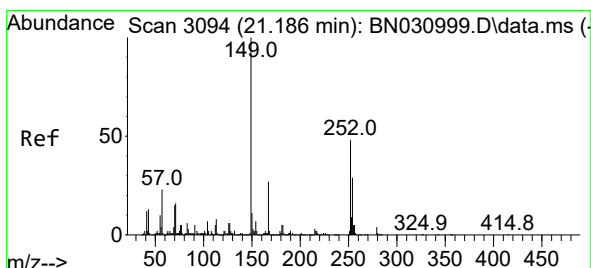
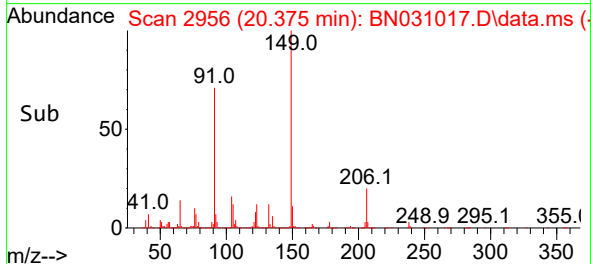
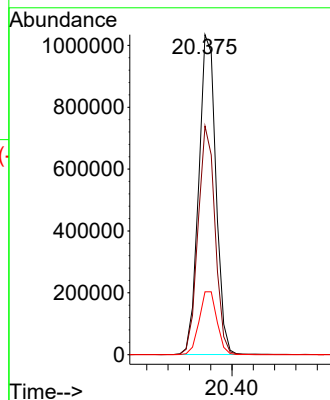
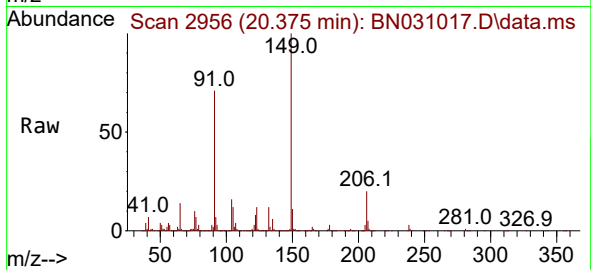
Tgt Ion:149 Resp: 1158696

Ion Ratio Lower Upper

149 100

91 71.5 58.2 87.2

206 19.7 15.4 23.0



#84

3,3'-Dichlorobenzidine

Concen: 40.042 ng/ul

RT: 21.186 min Scan# 3094

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

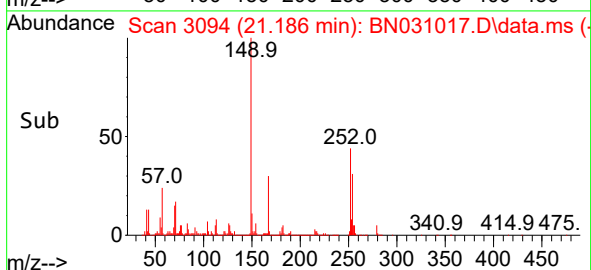
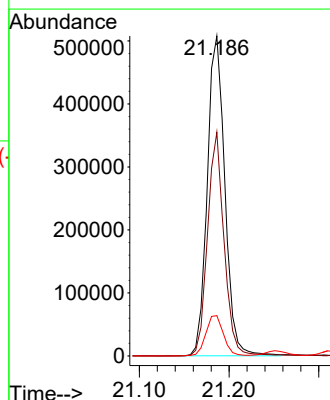
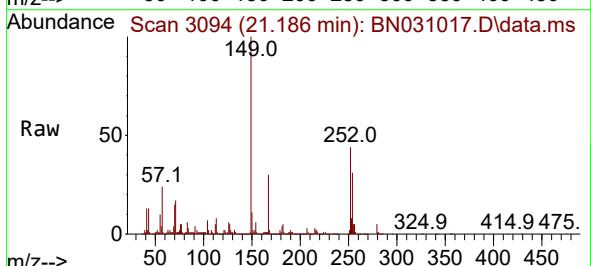
Tgt Ion:252 Resp: 692071

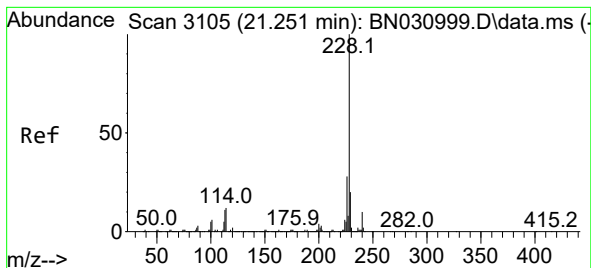
Ion Ratio Lower Upper

252 100

254 69.9 51.1 76.7

126 12.6 9.3 13.9





#85

Benzo(a)anthracene

Concen: 43.345 ng/ul

RT: 21.251 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

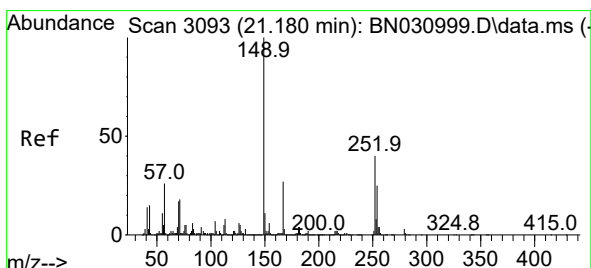
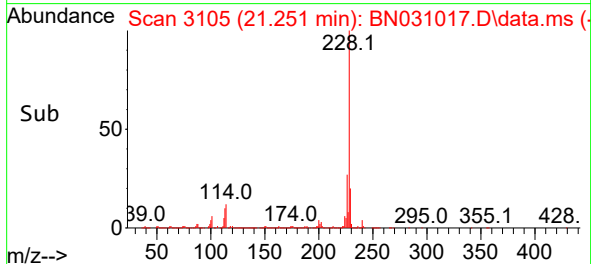
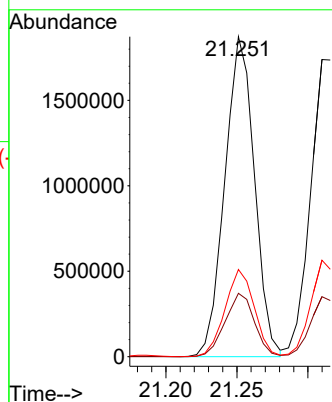
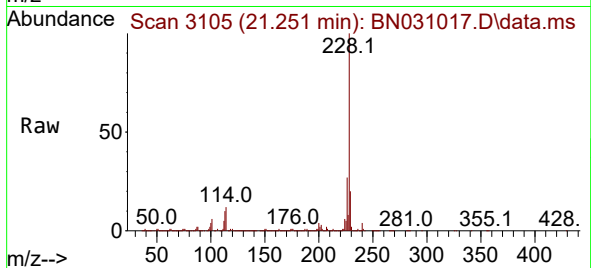
Tgt Ion:228 Resp: 2720956

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

226 27.2 20.5 30.7



#86

Bis(2-ethylhexyl)phthalate

Concen: 45.985 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

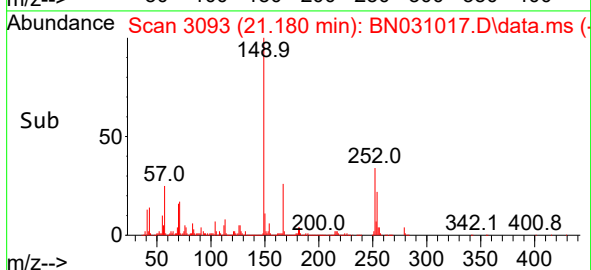
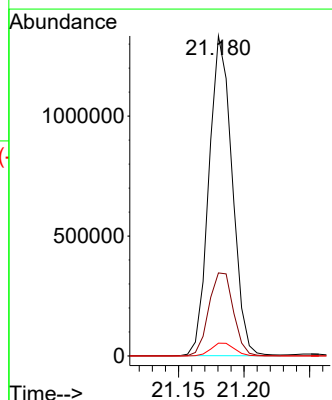
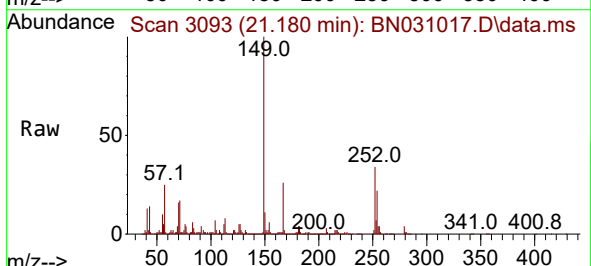
Tgt Ion:149 Resp: 1644228

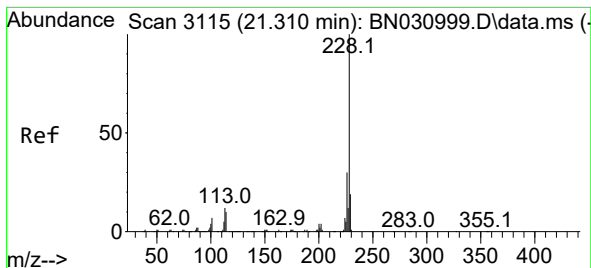
Ion Ratio Lower Upper

149 100

167 25.9 21.4 32.0

279 4.0 3.5 5.3





#87

Chrysene

Concen: 42.926 ng/ul

RT: 21.310 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

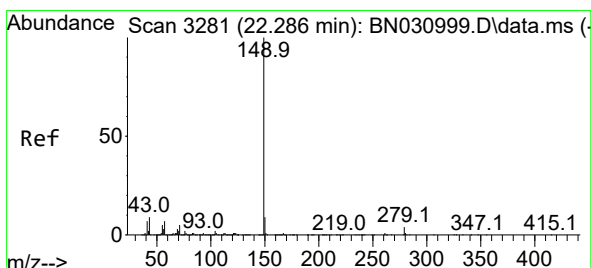
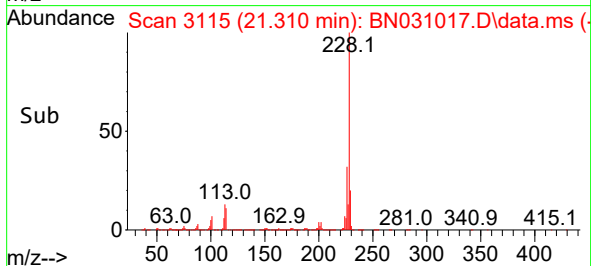
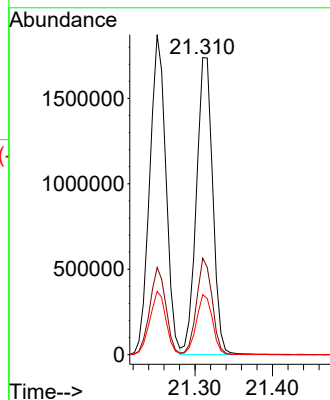
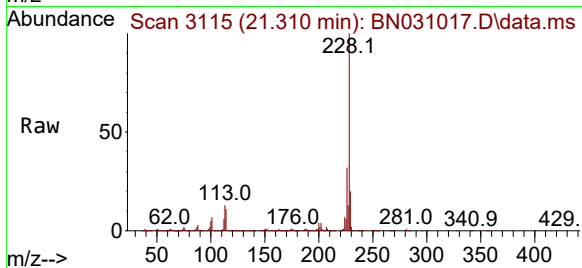
Tgt Ion:228 Resp: 2543429

Ion Ratio Lower Upper

228 100

226 32.5 24.3 36.5

229 20.2 15.9 23.9



#89

Di-n-octyl phthalate

Concen: 41.308 ng/ul

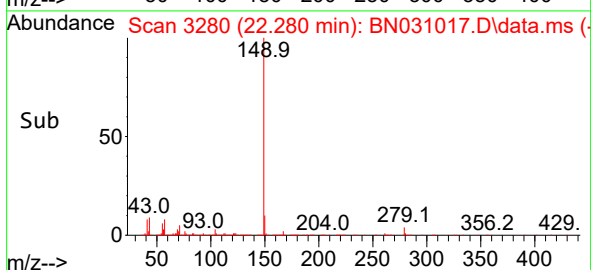
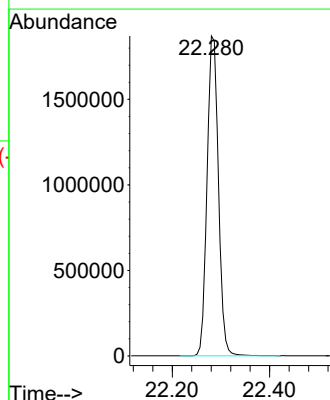
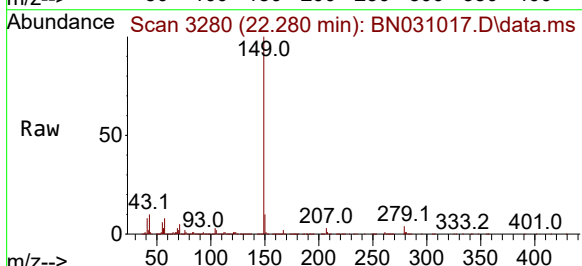
RT: 22.280 min Scan# 3280

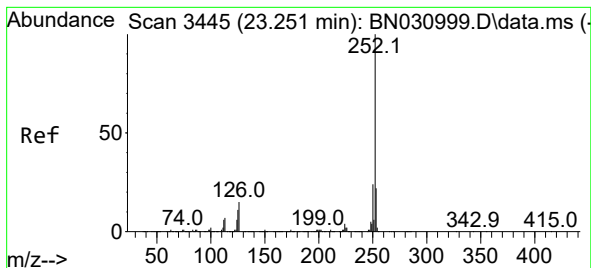
Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Tgt Ion:149 Resp: 3012441





#90

Benzo(b)fluoranthene

Concen: 43.870 ng/ul

RT: 23.257 min Scan# 3445

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

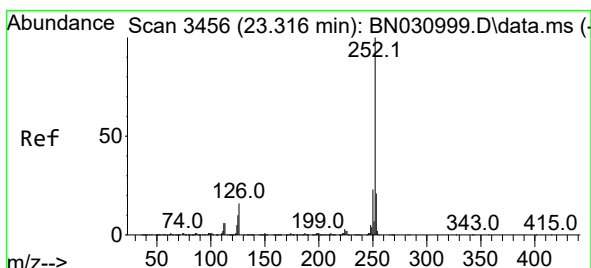
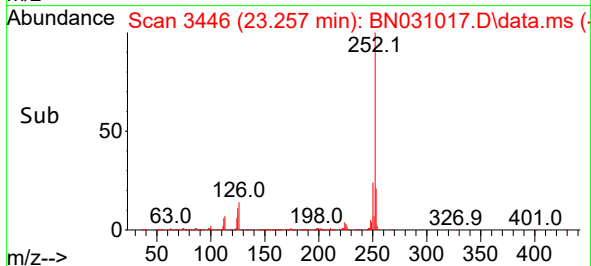
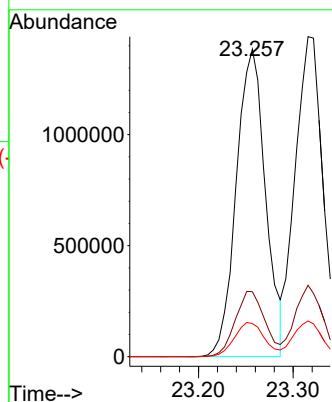
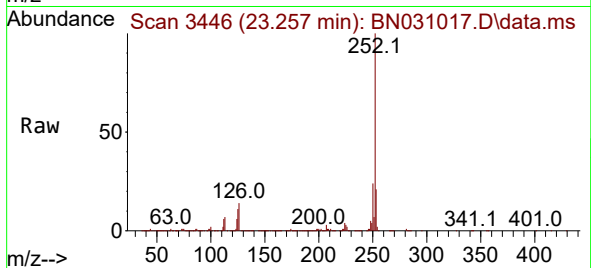
Tgt Ion:252 Resp: 2973174

Ion Ratio Lower Upper

252 100

253 21.1 16.7 25.1

125 10.8 8.5 12.7



#91

Benzo(k)fluoranthene

Concen: 43.037 ng/ul

RT: 23.316 min Scan# 3456

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

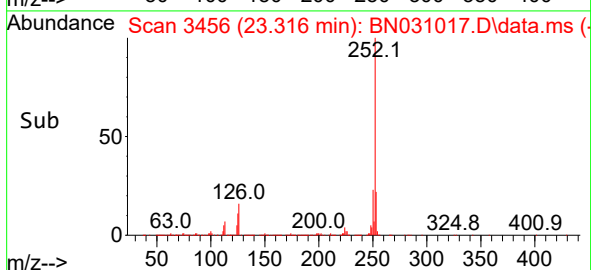
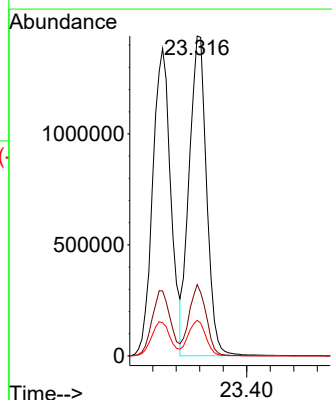
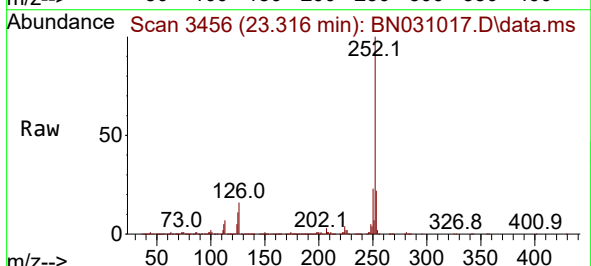
Tgt Ion:252 Resp: 2962137

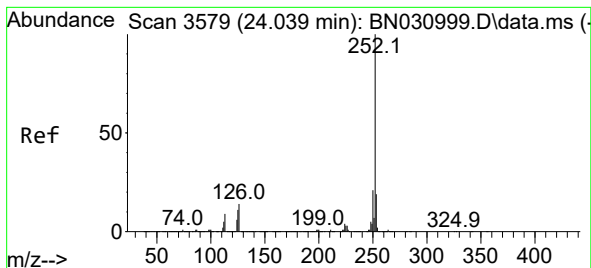
Ion Ratio Lower Upper

252 100

253 22.3 16.9 25.3

125 11.2 8.5 12.7





#93

Benzo(a)pyrene

Concen: 40.827 ng/ul

RT: 24.033 min Scan# 3

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

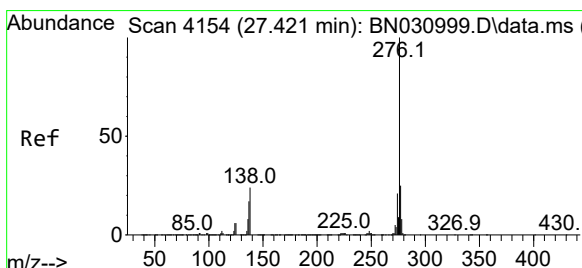
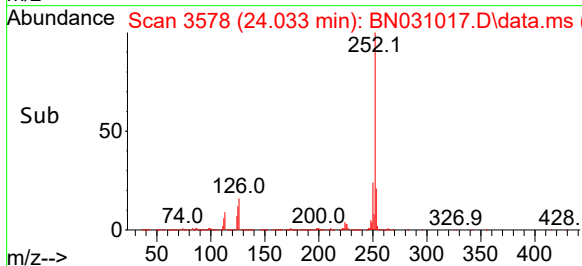
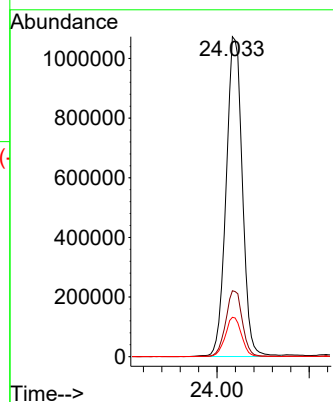
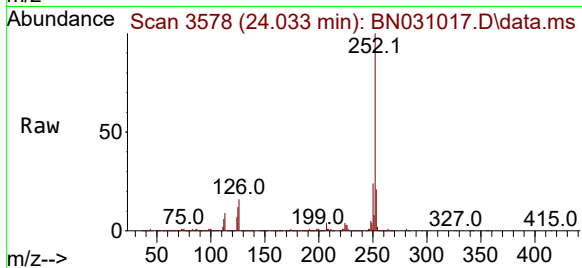
Tgt Ion:252 Resp: 2613816

Ion Ratio Lower Upper

252 100

253 20.6 16.7 25.1

125 12.3 9.6 14.4



#94

Indeno(1,2,3-cd)pyrene

Concen: 54.837 ng/ul

RT: 27.433 min Scan# 4156

Delta R.T. -0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

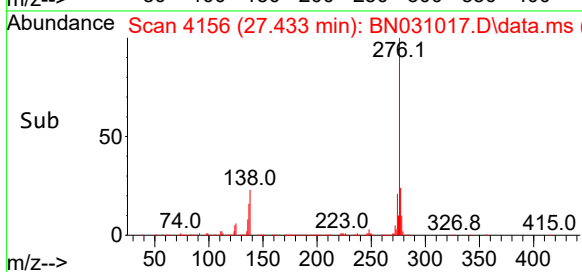
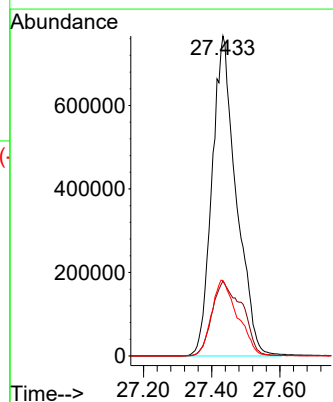
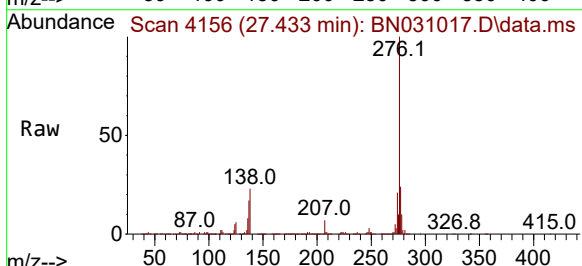
Tgt Ion:276 Resp: 3795067

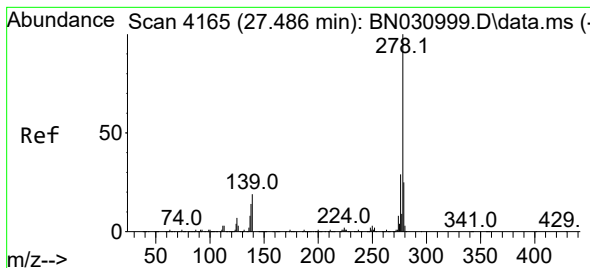
Ion Ratio Lower Upper

276 100

138 23.4 17.8 26.8

277 23.5 18.4 27.6





#95

Dibenzo(a,h)anthracene

Concen: 52.719 ng/ul

RT: 27.492 min Scan# 4166

Delta R.T. 0.000 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Instrument :

BNA_M

ClientSampleId :

E07W5MSD

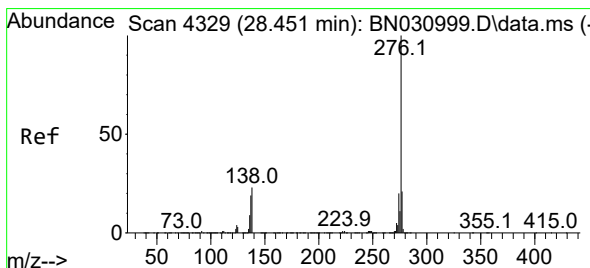
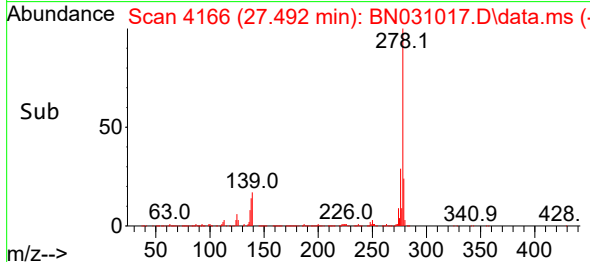
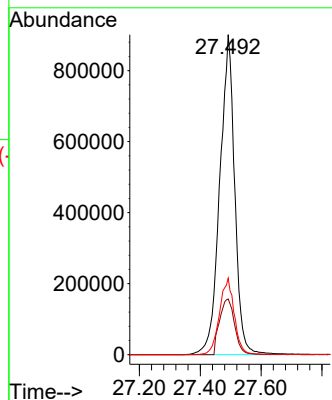
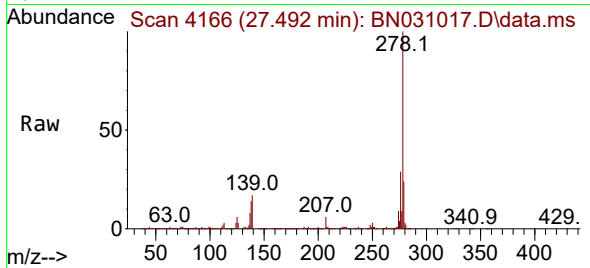
Tgt Ion:278 Resp: 3071436

Ion Ratio Lower Upper

278 100

139 17.4 13.2 19.8

279 23.9 17.4 26.2



#96

Benzo(g,h,i)perylene

Concen: 54.876 ng/ul

RT: 28.451 min Scan# 4329

Delta R.T. 0.006 min

Lab File: BN031017.D

Acq: 18 Apr 2024 20:34

Tgt Ion:276 Resp: 2981464

Ion Ratio Lower Upper

276 100

138 25.3 19.3 28.9

277 24.4 20.1 30.1

