

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043024\
 Data File : BN031341.D
 Acq On : 01 May 2024 05:48
 Operator : MA/JU
 Sample : P2203-21MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MS

Quant Time: May 01 08:35:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 01 05:16:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	239168	20.000	ng/u1	0.00
20) Naphthalene-d8	10.393	136	1082819	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	713358	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.016	188	1440404	20.000	ng/u1	0.00
79) Chrysene-d12	21.257	240	1003072	20.000	ng/u1	0.00
88) Perylene-d12	24.145	264	1038868	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	36603	7.125	ng/uL	0.00
4) Pyridine-d5	3.534	84	408381	27.761	ng/u1	0.00
7) Phenol-d5	6.793	99	550224	28.589	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.957	67	362059	32.130	ng/u1	0.00
11) 2-Chlorophenol-d4	7.146	132	374186	24.303	ng/u1	0.00
15) 4-Methylphenol-d8	8.328	113	482715	30.267	ng/u1	0.00
21) Nitrobenzene-d5	8.775	128	270464	34.658	ng/u1	0.00
24) 2-Nitrophenol-d4	9.487	143	116794	13.906	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.016	165	276922	17.755	ng/u1	0.00
31) 4-Chloroaniline-d4	10.540	131	714256	31.601	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	1582503	33.649	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	1876802	34.394	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	0.00
60) Fluorene-d10	15.263	176	1381188	34.392	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	0.00
73) Anthracene-d10	17.116	188	2024545	34.057	ng/u1	0.00
81) Pyrene-d10	19.422	212	2173993	35.587	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.951	264	1602941	33.328	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.164	88	64449	11.527	ng/uL	92
5) Pyridine	3.552	79	526794	35.647	ng/u1	99
6) Benzaldehyde	6.769	77	414104	42.855	ng/u1	96
8) Phenol	6.822	94	786276	40.197	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.052	93	580392	36.653	ng/u1	96
12) 2-Chlorophenol	7.181	128	637872	39.846	ng/u1	98
13) 2-Methylphenol	8.057	108	570967	37.585	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.134	45	759268	36.338	ng/u1	100
16) Acetophenone	8.440	105	930531	39.241	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.428	70	458616	36.836	ng/u1	100
18) 4-Methylphenol	8.393	108	652699	39.254	ng/u1	99
19) Hexachloroethane	8.675	117	255477	39.442	ng/u1	98
22) Nitrobenzene	8.816	77	700904	38.277	ng/u1	97
23) Isophorone	9.334	82	1363092	38.147	ng/u1	100
25) 2-Nitrophenol	9.516	139	383187	41.821	ng/u1	98
26) 2,4-Dimethylphenol	9.581	107	443681	25.760	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.822	93	822043	36.575	ng/u1	100
29) 2,4-Dichlorophenol	10.046	162	636371	41.329	ng/u1	98
30) Naphthalene	10.446	128	2293501	43.102	ng/u1	99
32) 4-Chloroaniline	10.563	127	756240	34.945	ng/u1	97
33) Hexachlorobutadiene	10.716	225	377404	41.464	ng/u1	99
34) Caprolactam	11.363	113	233349	42.425	ng/u1	98
35) 4-Chloro-3-methylphenol	11.698	107	713221	40.327	ng/u1	99
36) 2-Methylnaphthalene	12.063	142	1524149	41.312	ng/u1	94

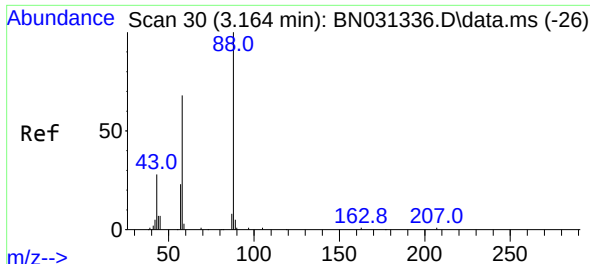
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043024\
 Data File : BN031341.D
 Acq On : 01 May 2024 05:48
 Operator : MA/JU
 Sample : P2203-21MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MS

Quant Time: May 01 08:35:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 01 05:16:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.287	142	1507752	40.401	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.434	216	745408	40.486	ng/ul	99
40) Hexachlorocyclopentadiene	12.404	237	222124	21.553	ng/ul	96
41) 2,4,6-Trichlorophenol	12.687	196	516988	40.844	ng/ul	95
42) 2,4,5-Trichlorophenol	12.757	196	572345	41.461	ng/ul	95
43) 1,1'-Biphenyl	13.092	154	1930731	39.848	ng/ul	99
44) 2-Chloronaphthalene	13.128	162	1491957	38.990	ng/ul	99
45) 2-Nitroaniline	13.351	65	455652	42.039	ng/ul	98
47) Dimethylphthalate	13.734	163	1802000	37.396	ng/ul	99
48) 2,6-Dinitrotoluene	13.851	165	394835	41.993	ng/ul	99
50) Acenaphthylene	13.986	152	2385781	38.420	ng/ul	99
51) 3-Nitroaniline	14.187	138	433037	42.764	ng/ul	97
52) Acenaphthene	14.328	153	1710742	41.530	ng/ul	96
53) 2,4-Dinitrophenol	14.392	184	86189	16.040	ng/ul	89
55) 4-Nitrophenol	14.498	109	289561	42.375	ng/ul	97
56) Dibenzofuran	14.663	168	2325392	41.571	ng/ul	95
57) 2,4-Dinitrotoluene	14.645	165	579813	42.047	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.892	232	466065	40.392	ng/ul	94
59) Diethylphthalate	15.104	149	1890307	38.922	ng/ul	99
61) Fluorene	15.322	166	1871617	41.968	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.316	204	806572	37.492	ng/ul	97
63) 4-Nitroaniline	15.357	138	423807	45.707	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.404	198	199009	25.064	ng/ul	97
67) N-Nitrosodiphenylamine	15.533	169	1563725	40.859	ng/ul	97
68) 4-Bromophenyl-phenylether	16.210	248	541166	40.160	ng/ul	97
69) Hexachlorobenzene	16.316	284	623474	40.122	ng/ul	97
70) Atrazine	16.492	200	537696	43.253	ng/ul	94
71) Pentachlorophenol	16.669	266	358976	38.154	ng/ul	95
72) Phenanthrene	17.057	178	3767957	52.859	ng/ul	99
74) Anthracene	17.151	178	2986477	41.894	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.051	216	748384	41.019	ng/uL	100
76) Pentachlorobenzene	14.581	250	720045	40.242	ng/uL	99
77) Carbazole	17.427	167	2686156	43.142	ng/ul	98
78) Di-n-butylphthalate	17.992	149	3334946	41.332	ng/ul	100
80) Fluoranthene	19.086	202	3864637	52.771	ng/ul	100
82) Pyrene	19.451	202	3634325	48.647	ng/ul	99
83) Butylbenzylphthalate	20.363	149	1418424	45.445	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.168	252	684356	38.131	ng/ul	100
85) Benzo(a)anthracene	21.233	228	2866672	43.791	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.163	149	1864538	45.404	ng/ul	99
87) Chrysene	21.298	228	2671159	43.551	ng/ul	98
89) Di-n-octyl phthalate	22.257	149	3154828	40.986	ng/ul	100
90) Benzo(b)fluoranthene	23.233	252	2573491	40.877	ng/ul	97
91) Benzo(k)fluoranthene	23.298	252	2347847	37.921	ng/ul	99
93) Benzo(a)pyrene	24.009	252	2071567	36.789	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.386	276	2764353	43.327	ng/ul	98
95) Dibenzo(a,h)anthracene	27.445	278	2172231	40.985	ng/ul	99
96) Benzo(g,h,i)perylene	28.403	276	2139659	41.576	ng/ul	96

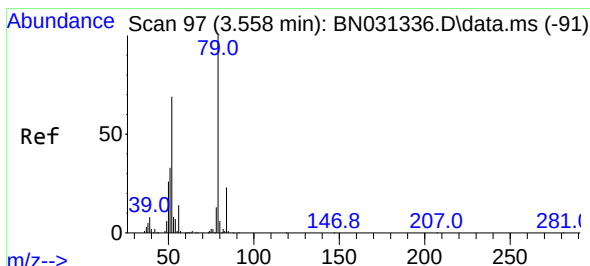
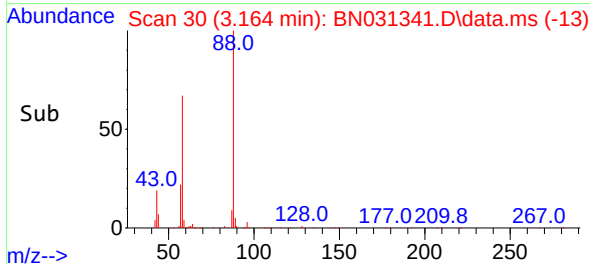
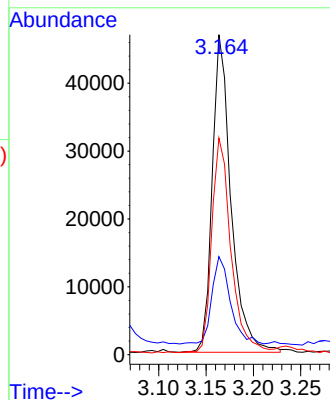
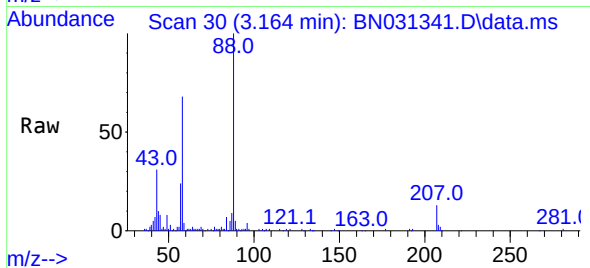
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 11.527 ng/uL
RT: 3.164 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

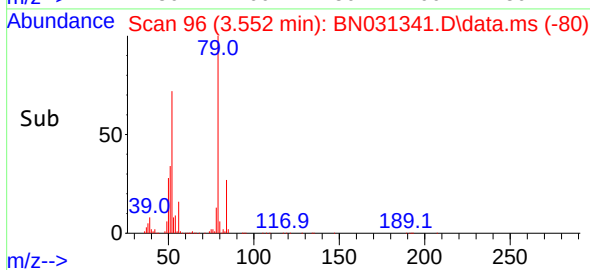
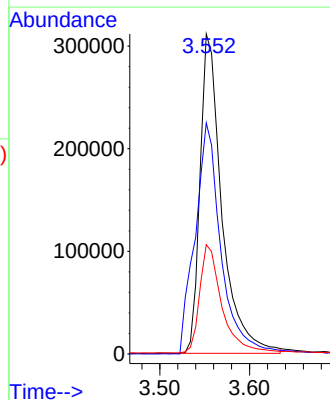
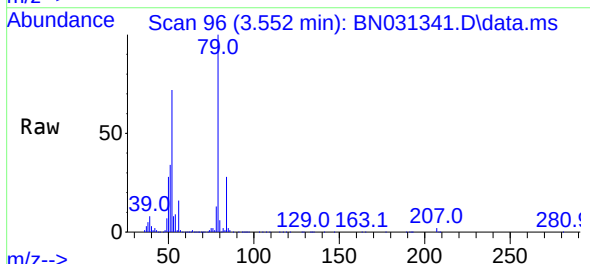
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

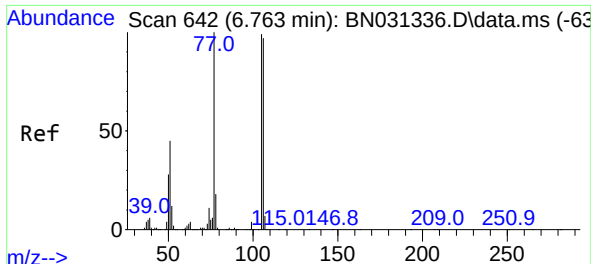
Tgt Ion: 88 Resp: 64449
Ion Ratio Lower Upper
88 100
43 30.6 21.7 32.5
58 67.7 49.1 73.7



#5
Pyridine
Concen: 35.647 ng/uL
RT: 3.552 min Scan# 96
Delta R.T. -0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 79 Resp: 526794
Ion Ratio Lower Upper
79 100
52 72.2 58.3 87.5
51 34.2 27.7 41.5

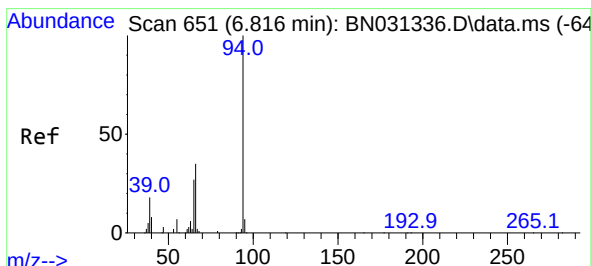
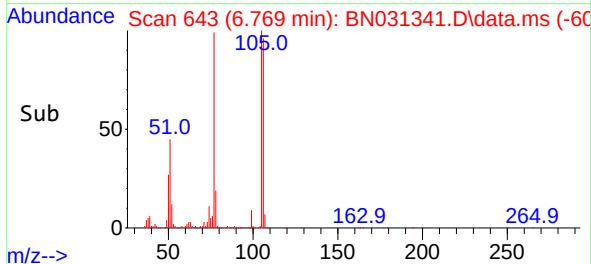
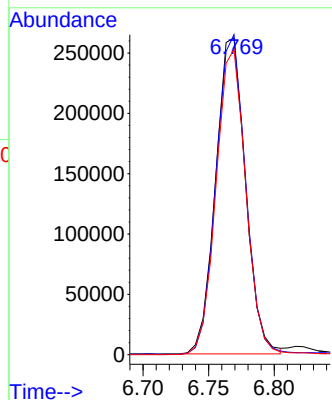
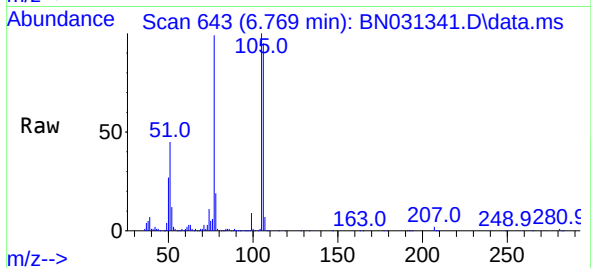




#6
Benzaldehyde
Concen: 42.855 ng/ul
RT: 6.769 min Scan# 642
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

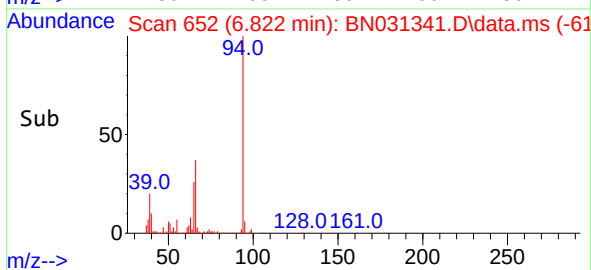
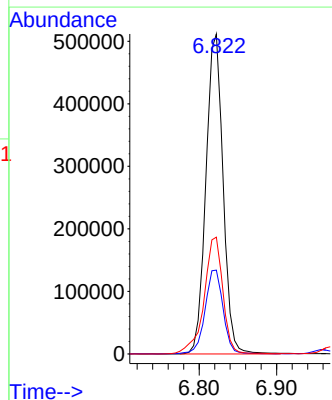
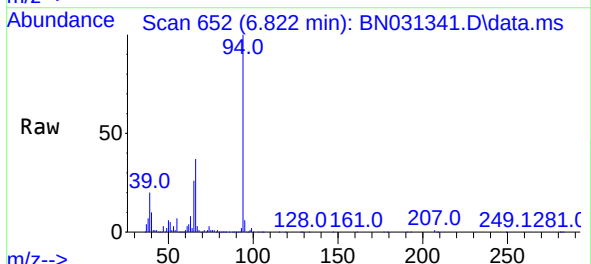
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

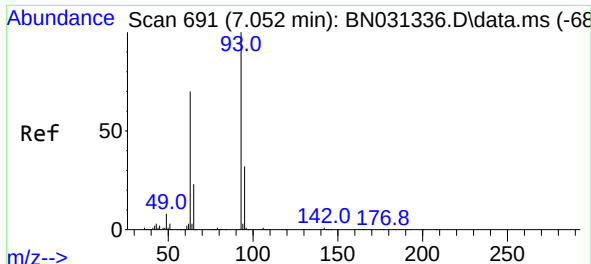
Tgt Ion: 77 Resp: 414104
Ion Ratio Lower Upper
77 100
105 101.0 78.4 117.6
106 96.4 73.2 109.8



#8
Phenol
Concen: 40.197 ng/ul
RT: 6.822 min Scan# 652
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 94 Resp: 786276
Ion Ratio Lower Upper
94 100
65 26.2 21.2 31.8
66 36.5 28.9 43.3



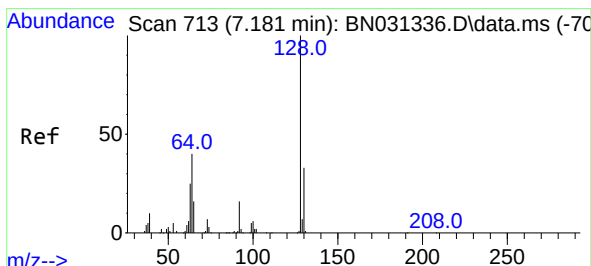
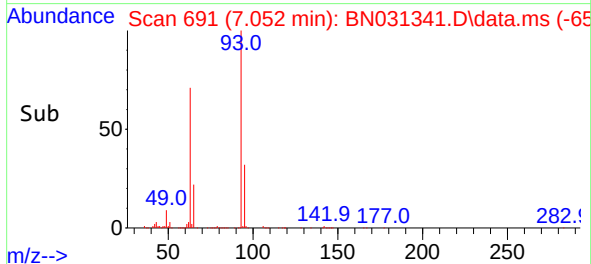
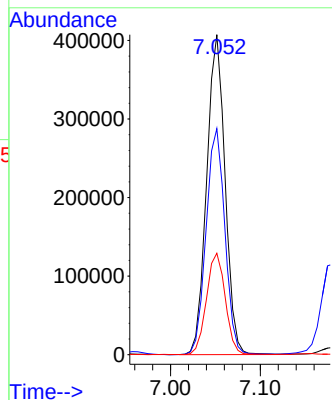
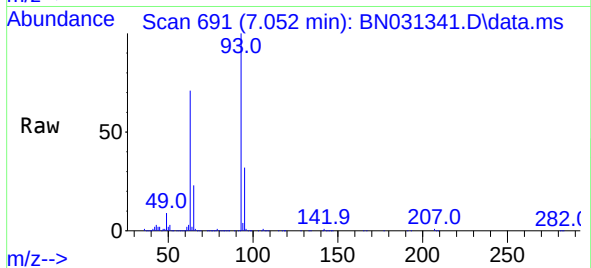


#10
Bis(2-Chloroethyl)ether
Concen: 36.653 ng/ul
RT: 7.052 min Scan# 691
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

Tgt Ion: 93 Resp: 580392

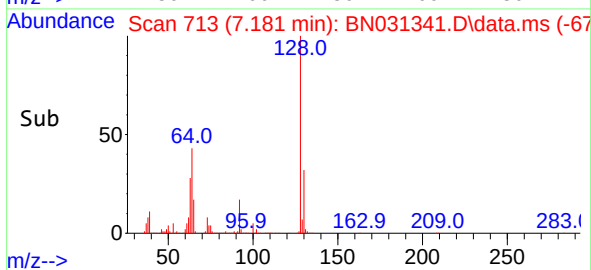
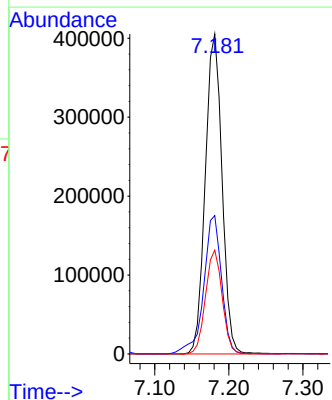
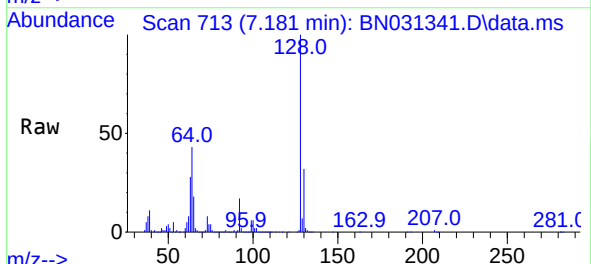
Ion	Ratio	Lower	Upper
93	100		
63	70.7	59.6	89.4
95	31.7	26.5	39.7

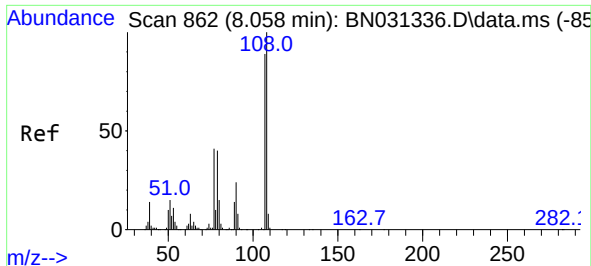


#12
2-Chlorophenol
Concen: 39.846 ng/ul
RT: 7.181 min Scan# 713
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:128 Resp: 637872

Ion	Ratio	Lower	Upper
128	100		
64	43.3	35.8	53.6
130	32.5	27.0	40.4

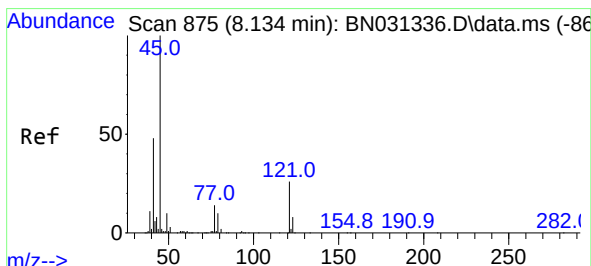
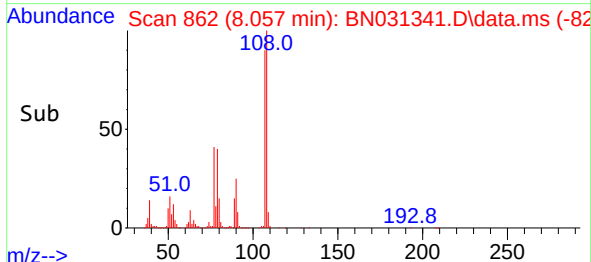
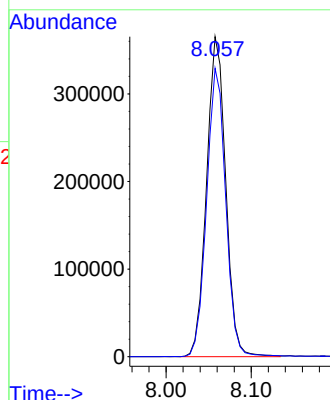
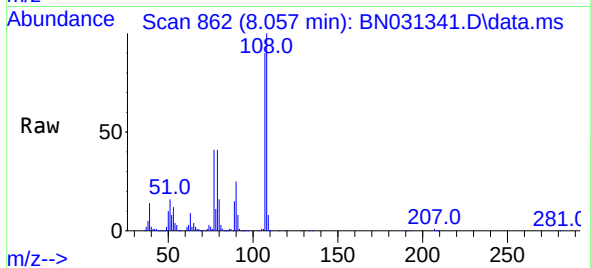




#13
2-Methylphenol
Concen: 37.585 ng/ul
RT: 8.057 min Scan# 80
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

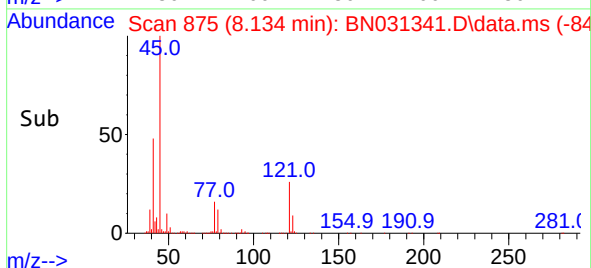
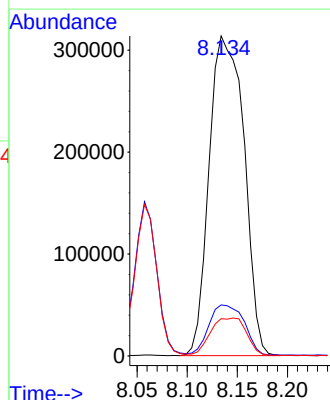
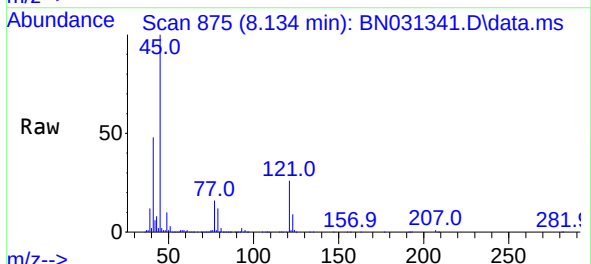
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

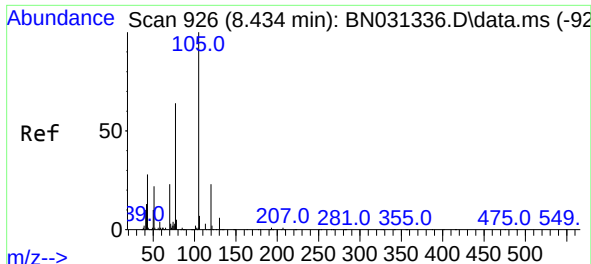
Tgt Ion:108 Resp: 570967
Ion Ratio Lower Upper
108 100
107 90.1 72.3 108.5



#14
2,2'-oxybis(1-Chloropropane)
Concen: 36.338 ng/ul
RT: 8.134 min Scan# 875
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 45 Resp: 759268
Ion Ratio Lower Upper
45 100
77 16.0 12.6 19.0
79 11.7 9.5 14.3

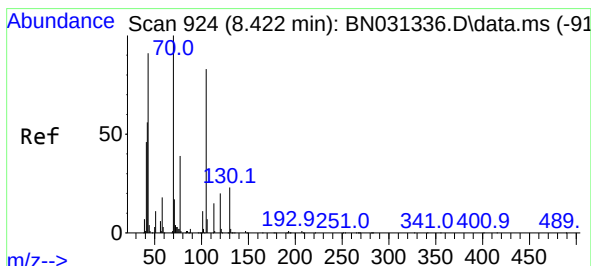
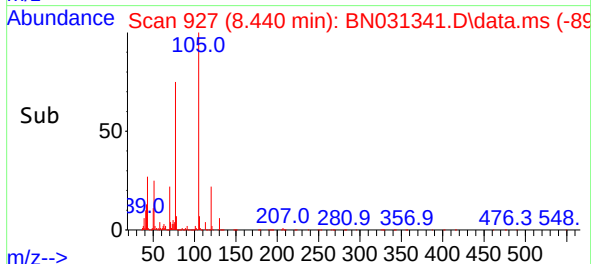
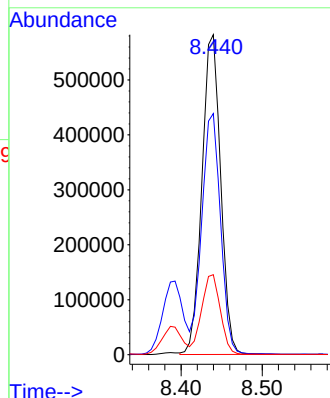
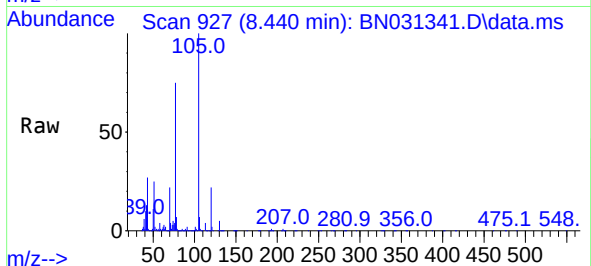




#16
Acetophenone
Concen: 39.241 ng/ul
RT: 8.440 min Scan# 91
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

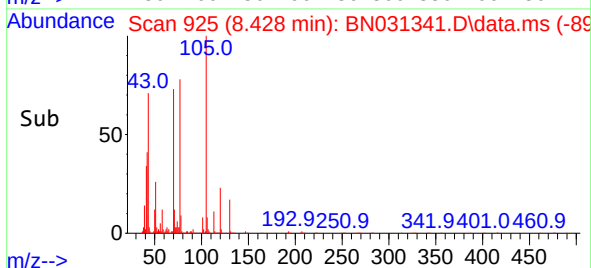
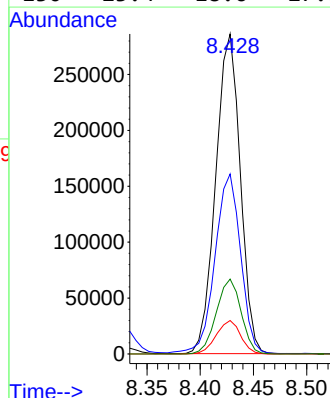
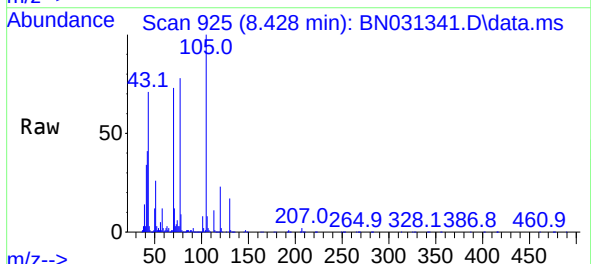
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

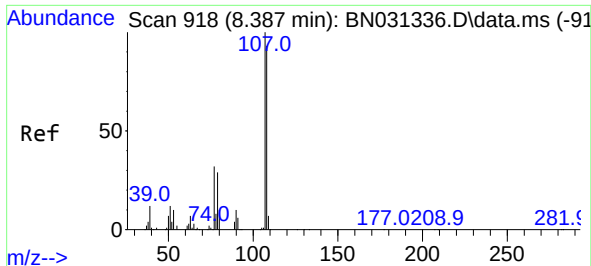
Tgt Ion:105 Resp: 930531
Ion Ratio Lower Upper
105 100
77 75.4 62.0 93.0
51 25.0 20.6 30.8



#17
N-Nitroso-di-n-propylamine
Concen: 36.836 ng/ul
RT: 8.428 min Scan# 925
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 70 Resp: 458616
Ion Ratio Lower Upper
70 100
42 56.3 44.7 67.1
101 10.4 8.5 12.7
130 23.4 18.6 27.8

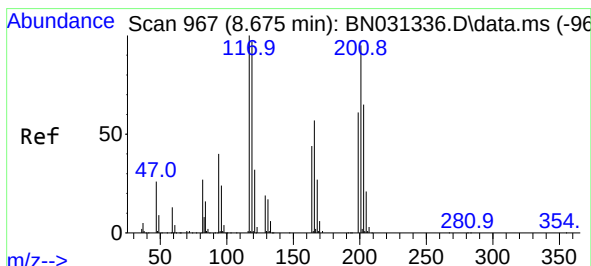
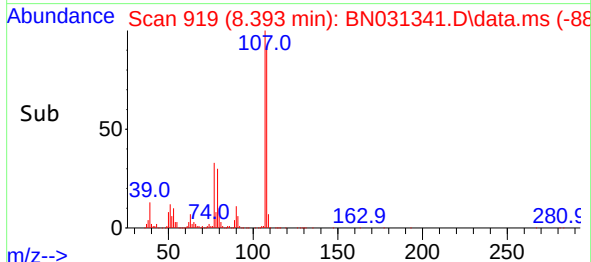
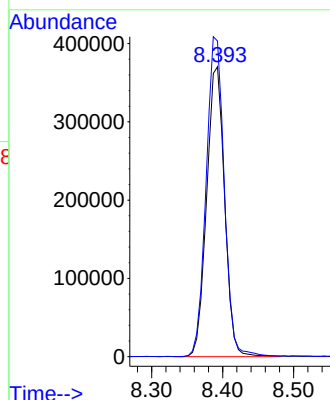
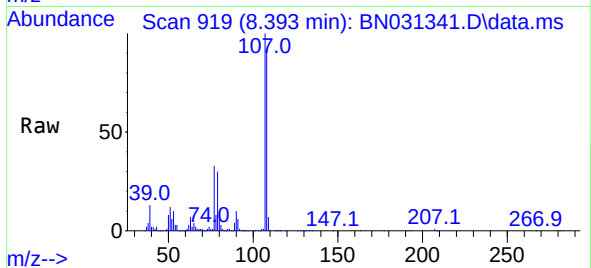




#18
4-Methylphenol
Concen: 39.254 ng/ul
RT: 8.393 min Scan# 918
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

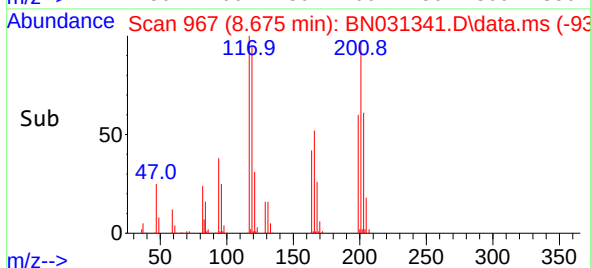
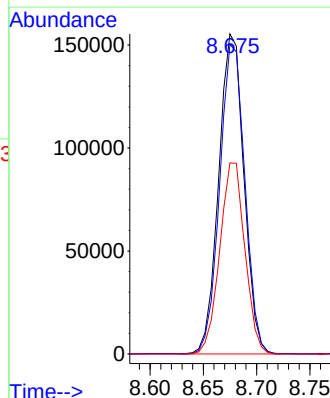
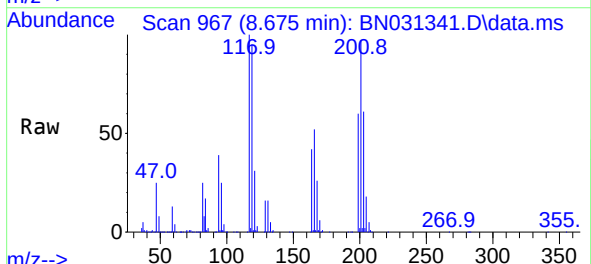
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

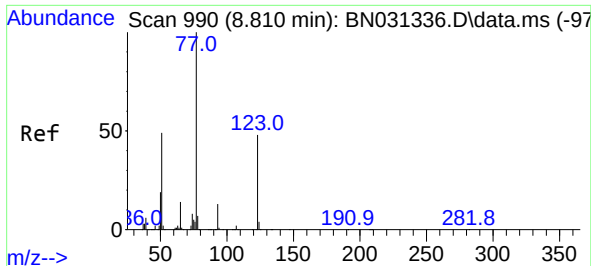
Tgt Ion:108 Resp: 652699
Ion Ratio Lower Upper
108 100
107 108.9 86.4 129.6



#19
Hexachloroethane
Concen: 39.442 ng/ul
RT: 8.675 min Scan# 967
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:117 Resp: 255477
Ion Ratio Lower Upper
117 100
201 96.7 76.3 114.5
199 59.7 49.6 74.4

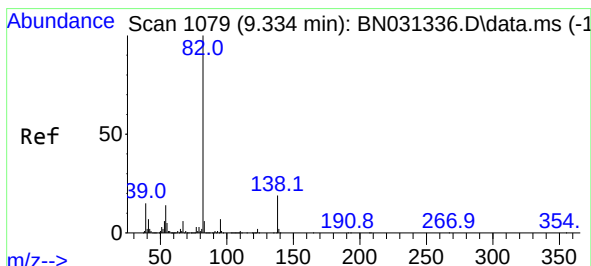
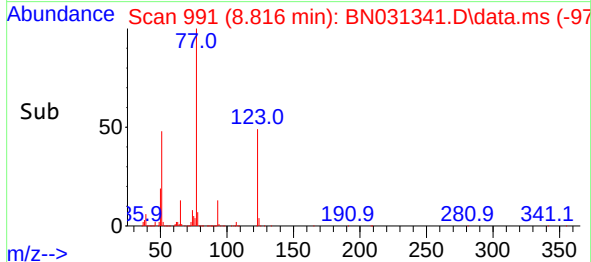
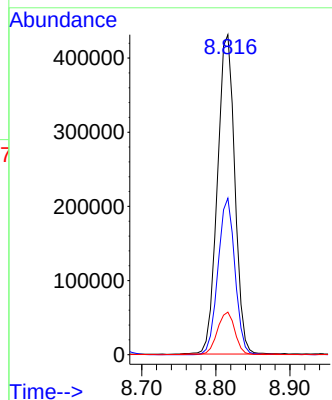
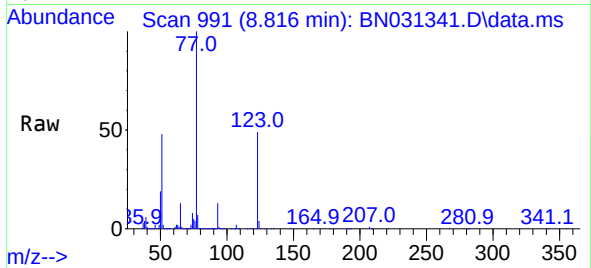




#22
Nitrobenzene
Concen: 38.277 ng/ul
RT: 8.816 min Scan# 990
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

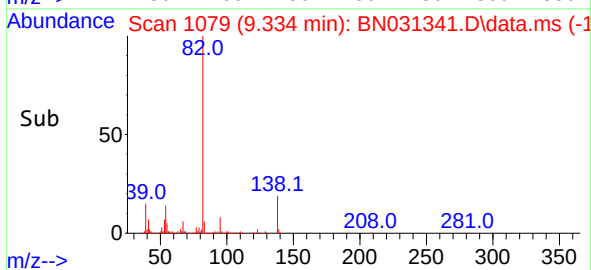
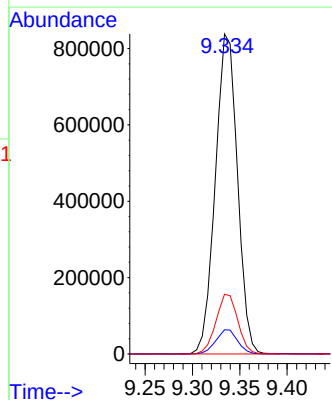
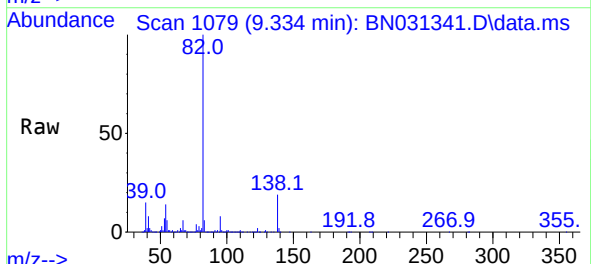
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

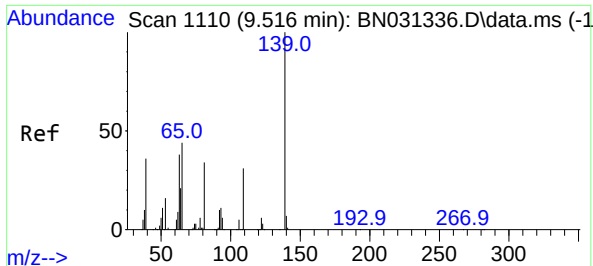
Tgt Ion: 77 Resp: 700904
Ion Ratio Lower Upper
77 100
123 48.9 37.3 55.9
65 13.3 10.8 16.2



#23
Isophorone
Concen: 38.147 ng/ul
RT: 9.334 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 82 Resp: 1363092
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.8
138 18.7 14.8 22.2

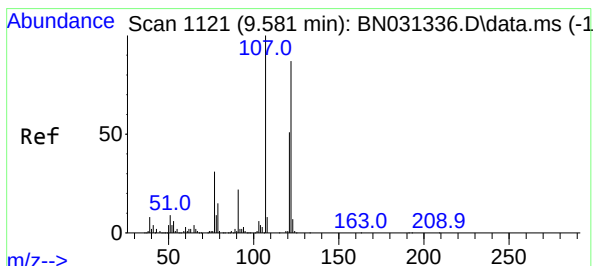
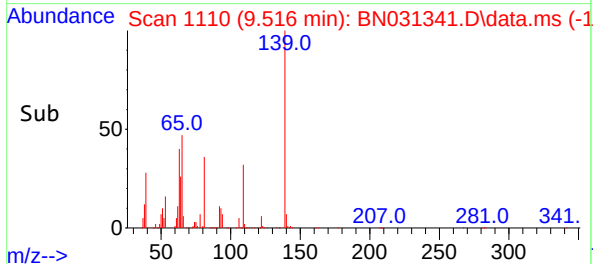
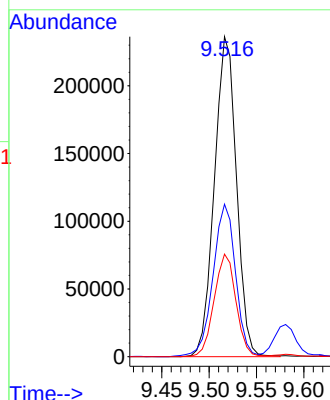
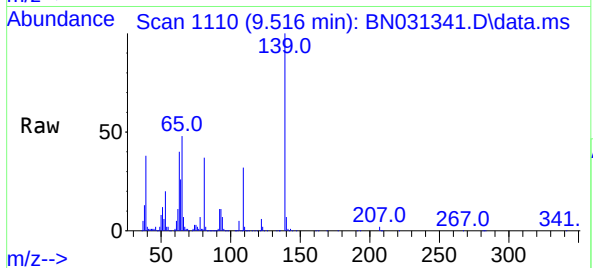




#25
2-Nitrophenol
Concen: 41.821 ng/ul
RT: 9.516 min Scan# 1110
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

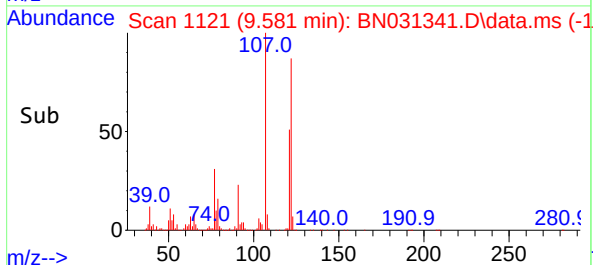
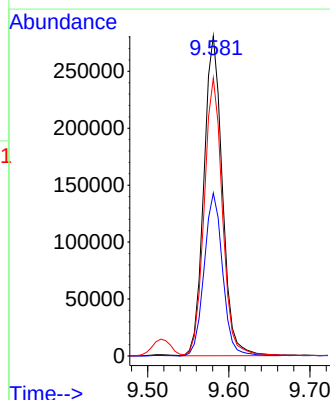
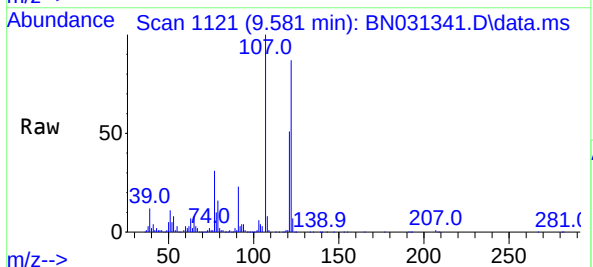
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

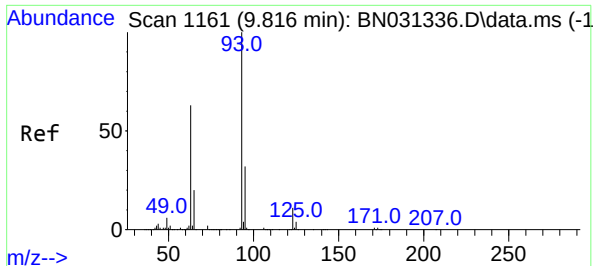
Tgt Ion:139 Resp: 383187
Ion Ratio Lower Upper
139 100
65 47.7 39.5 59.3
109 32.0 25.4 38.2



#26
2,4-Dimethylphenol
Concen: 25.760 ng/ul
RT: 9.581 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:107 Resp: 443681
Ion Ratio Lower Upper
107 100
121 50.9 41.4 62.2
122 86.8 67.8 101.6

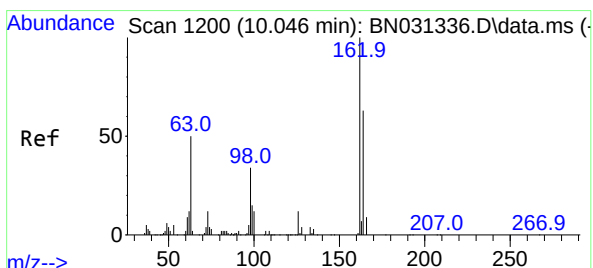
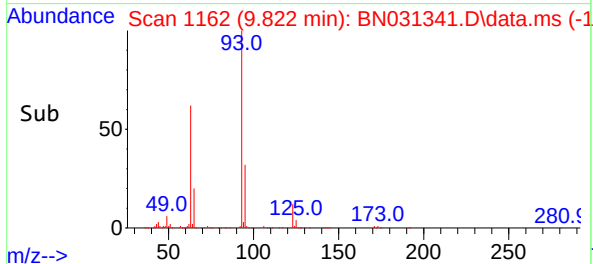
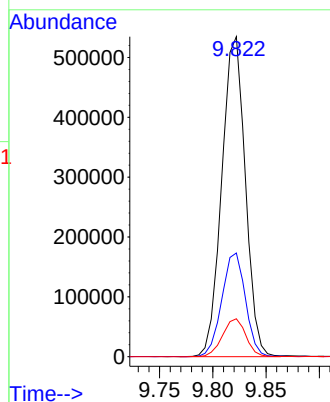
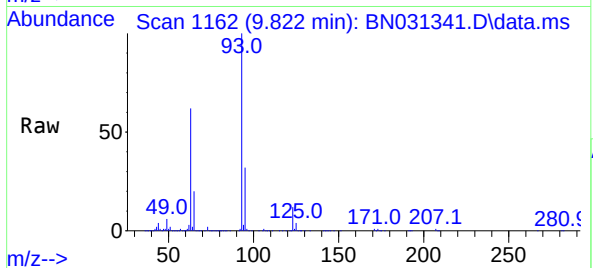




#27
Bis(2-Chloroethoxy)methane
Concen: 36.575 ng/ul
RT: 9.822 min Scan# 1161
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

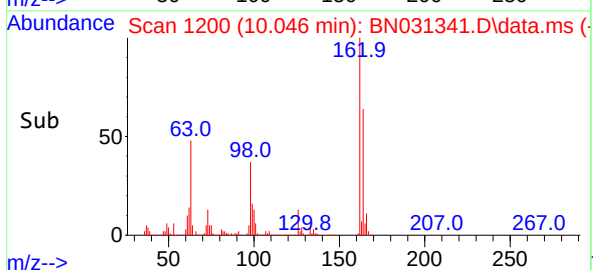
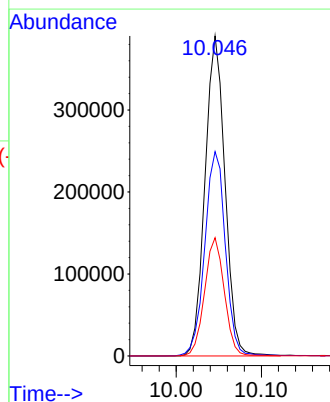
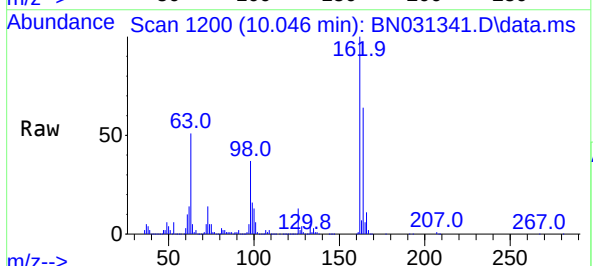
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

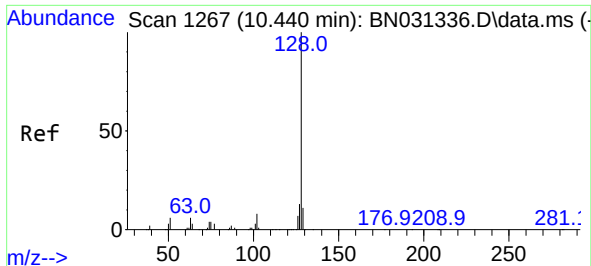
Tgt Ion: 93 Resp: 822043
Ion Ratio Lower Upper
93 100
95 32.4 25.9 38.9
123 11.9 9.4 14.0



#29
2,4-Dichlorophenol
Concen: 41.329 ng/ul
RT: 10.046 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 162 Resp: 636371
Ion Ratio Lower Upper
162 100
164 63.9 52.6 78.8
98 37.0 29.5 44.3

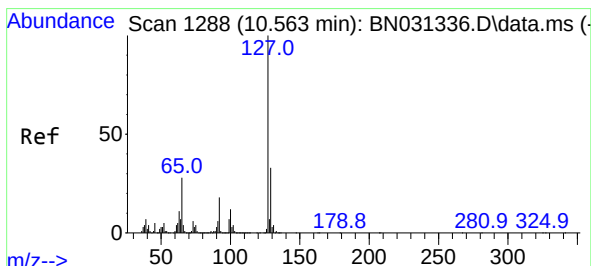
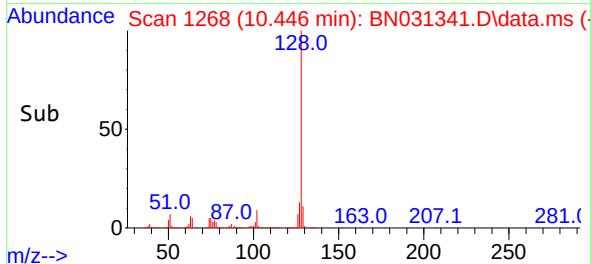
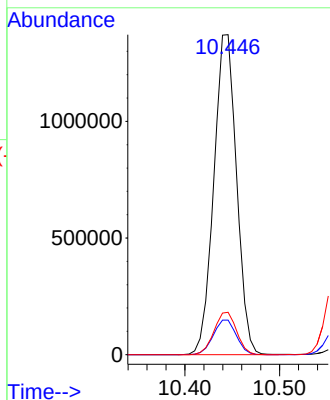
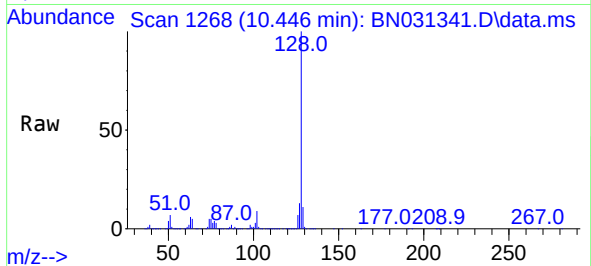




#30
Naphthalene
Concen: 43.102 ng/ul
RT: 10.446 min Scan# 1267
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

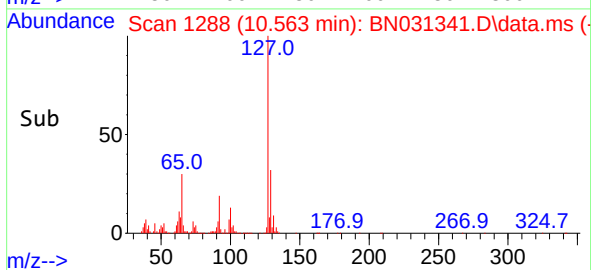
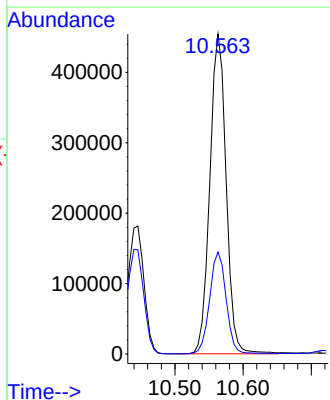
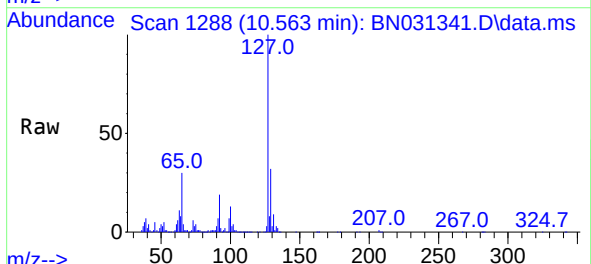
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

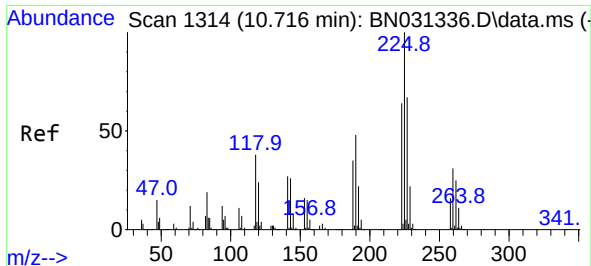
Tgt Ion:128 Resp: 2293501
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.3 10.7 16.1



#32
4-Chloroaniline
Concen: 34.945 ng/ul
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:127 Resp: 756240
Ion Ratio Lower Upper
127 100
129 31.9 26.8 40.2

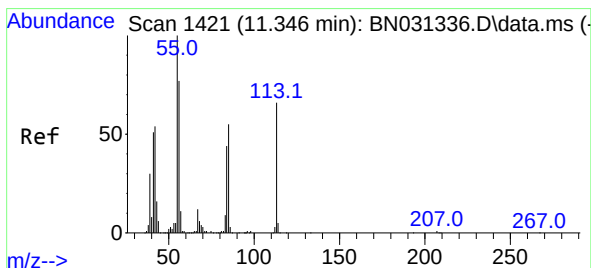
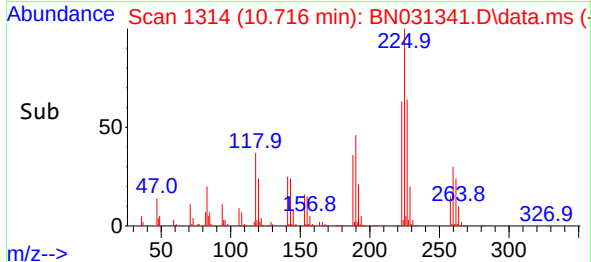
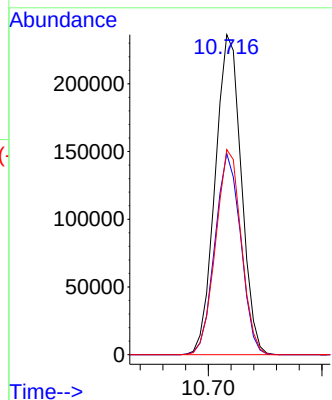
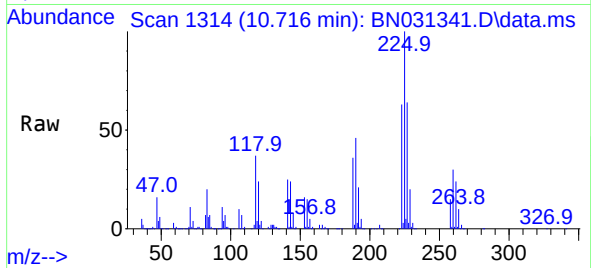




#33
Hexachlorobutadiene
Concen: 41.464 ng/ul
RT: 10.716 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

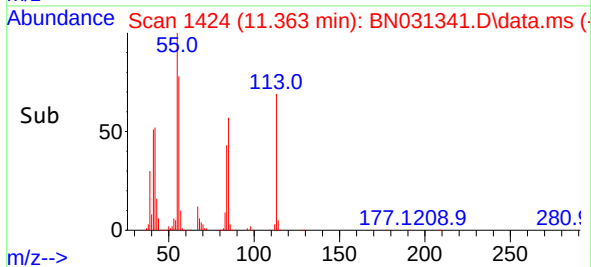
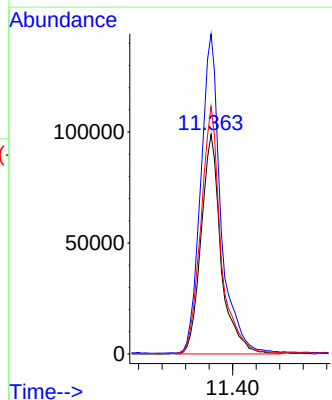
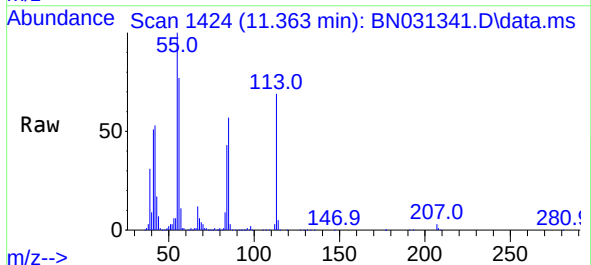
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

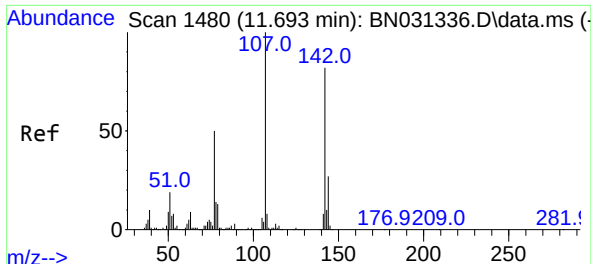
Tgt Ion:225 Resp: 377404
Ion Ratio Lower Upper
225 100
223 62.8 50.6 75.8
227 64.1 51.7 77.5



#34
Caprolactam
Concen: 42.425 ng/ul
RT: 11.363 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:113 Resp: 233349
Ion Ratio Lower Upper
113 100
55 145.8 119.9 179.9
56 112.8 89.6 134.4



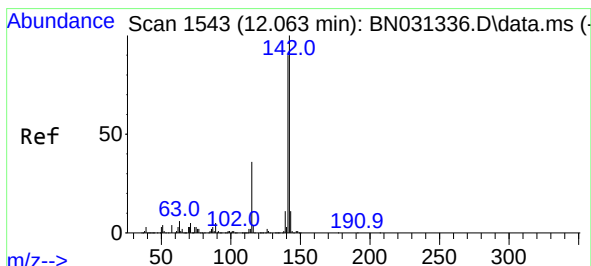
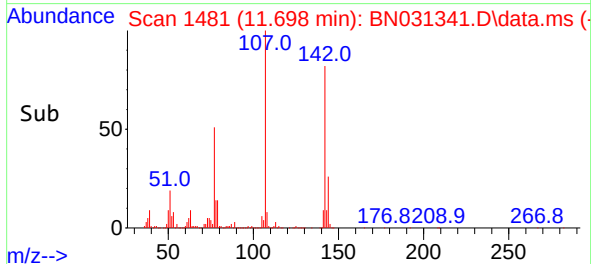
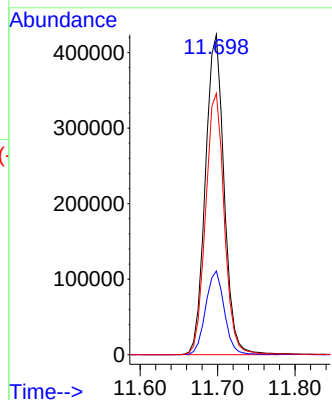
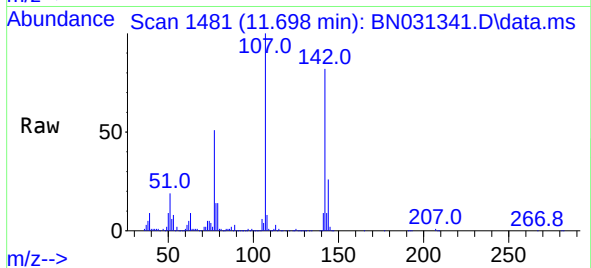


#35
4-Chloro-3-methylphenol
Concen: 40.327 ng/ul
RT: 11.698 min Scan# 1480
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

Tgt Ion:107 Resp: 713221

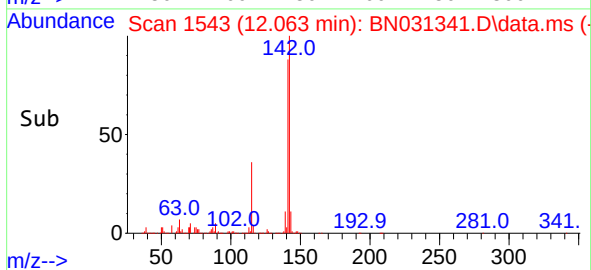
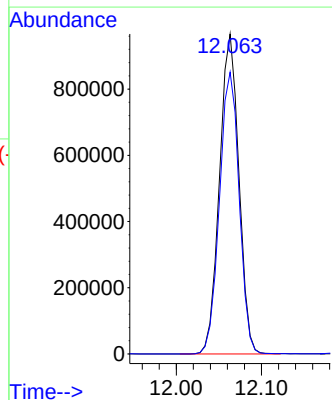
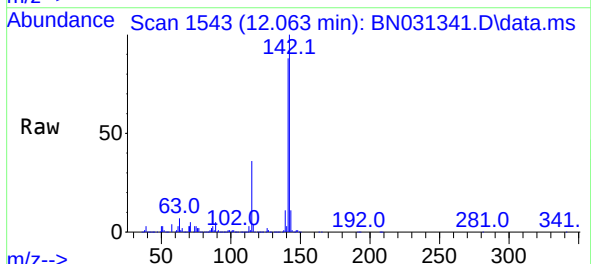
Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.7	31.1
142	81.6	66.4	99.6

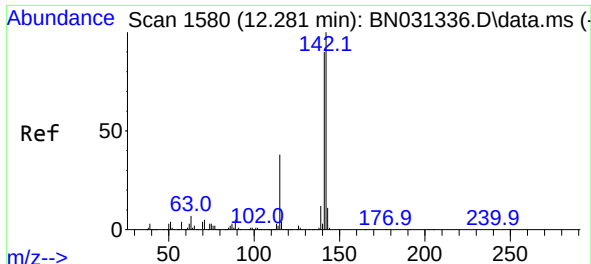


#36
2-Methylnaphthalene
Concen: 41.312 ng/ul
RT: 12.063 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:142 Resp: 1524149

Ion	Ratio	Lower	Upper
142	100		
141	88.1	75.0	112.4





#37

1-Methylnaphthalene

Concen: 40.401 ng/ul

RT: 12.287 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BN031341.D

Acq: 01 May 2024 05:48

Instrument :

BNA_N

ClientSampleId :

E1CX4MS

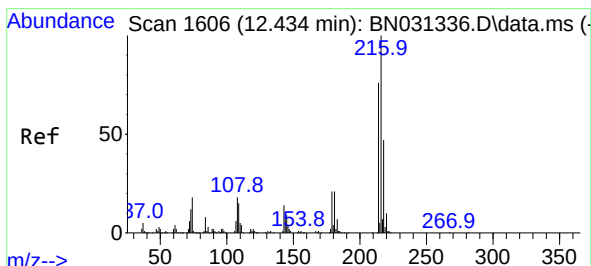
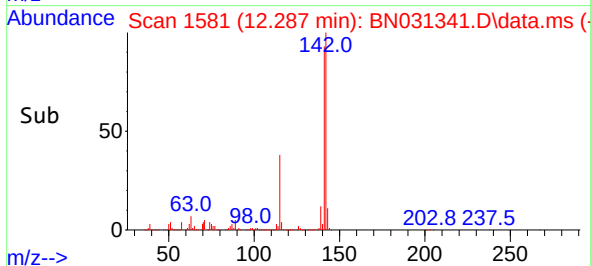
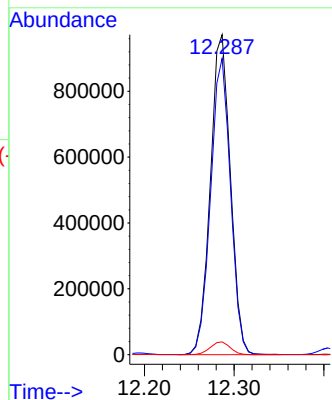
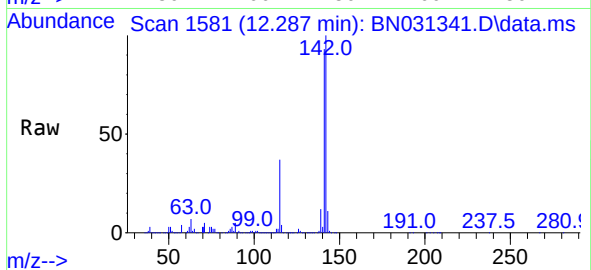
Tgt Ion:142 Resp: 1507752

Ion Ratio Lower Upper

142 100

141 92.6 72.5 108.7

116 4.0 3.0 4.4



#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.486 ng/ul

RT: 12.434 min Scan# 1606

Delta R.T. -0.000 min

Lab File: BN031341.D

Acq: 01 May 2024 05:48

Tgt Ion:216 Resp: 745408

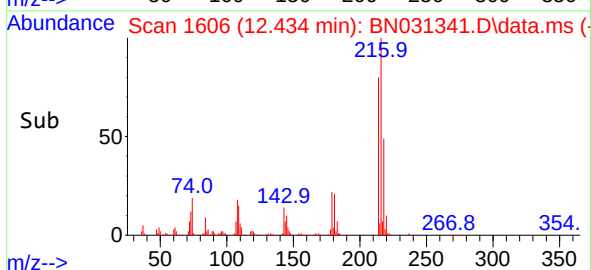
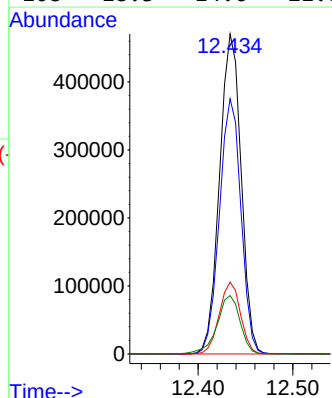
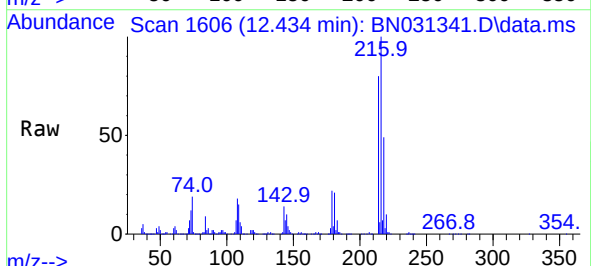
Ion Ratio Lower Upper

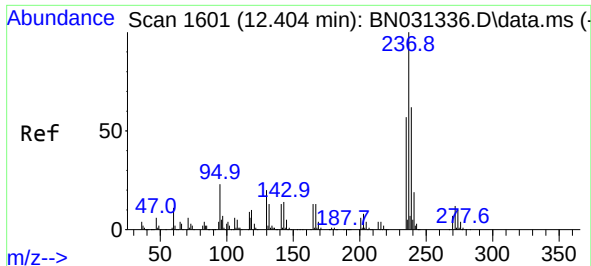
216 100

214 79.8 64.5 96.7

179 22.5 17.1 25.7

108 18.3 14.6 21.8

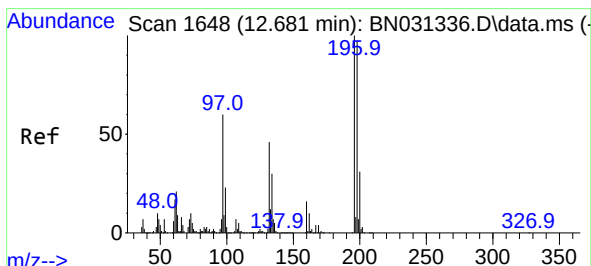
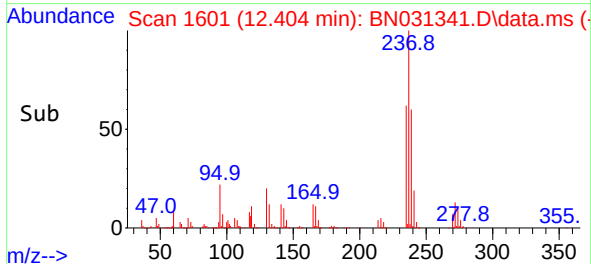
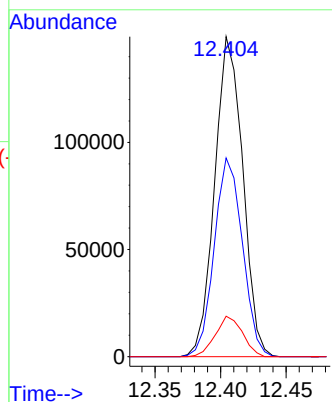
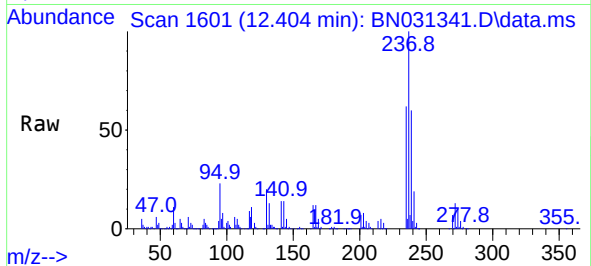




#40
Hexachlorocyclopentadiene
Concen: 21.553 ng/ul
RT: 12.404 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

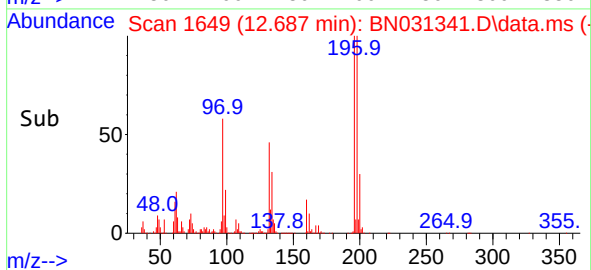
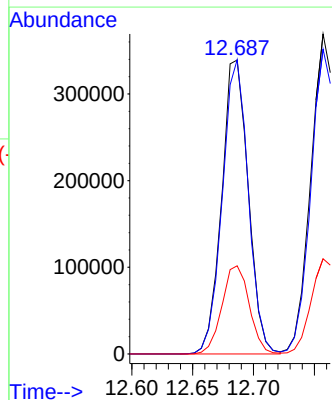
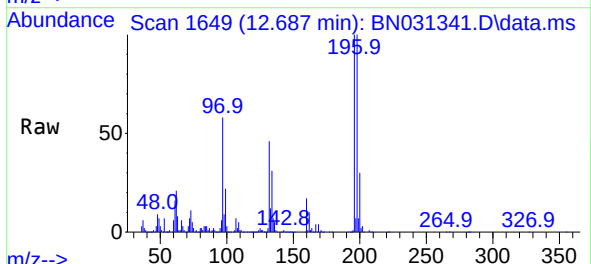
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

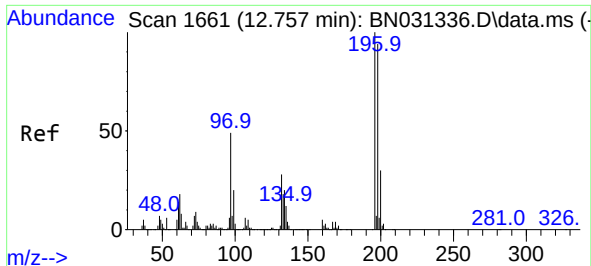
Tgt Ion:237 Resp: 222124
Ion Ratio Lower Upper
237 100
235 62.1 52.2 78.2
272 13.3 9.3 13.9



#41
2,4,6-Trichlorophenol
Concen: 40.844 ng/ul
RT: 12.687 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:196 Resp: 516988
Ion Ratio Lower Upper
196 100
198 100.1 75.1 112.7
200 30.0 24.2 36.4

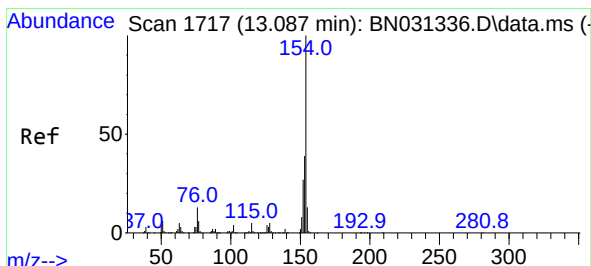
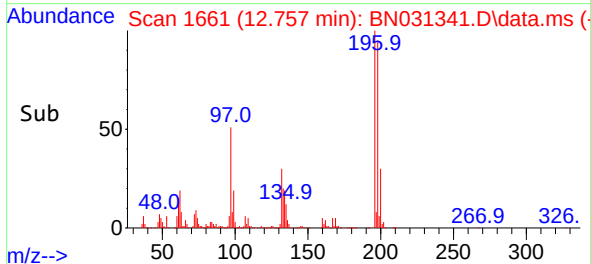
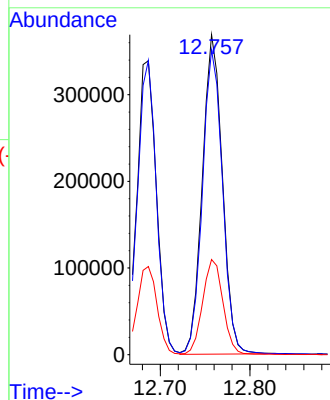
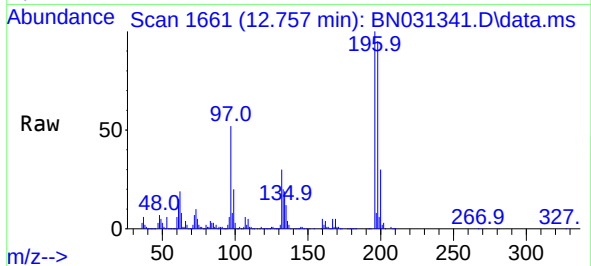




#42
2,4,5-Trichlorophenol
Concen: 41.461 ng/ul
RT: 12.757 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

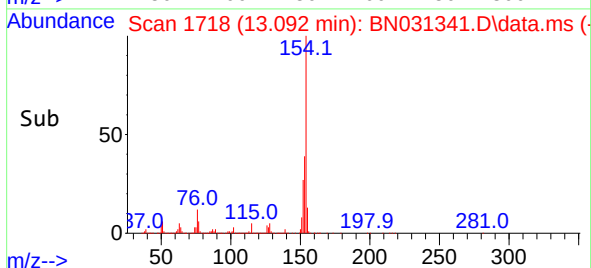
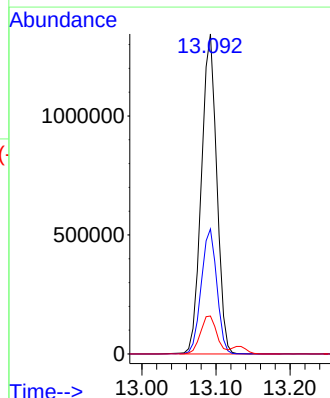
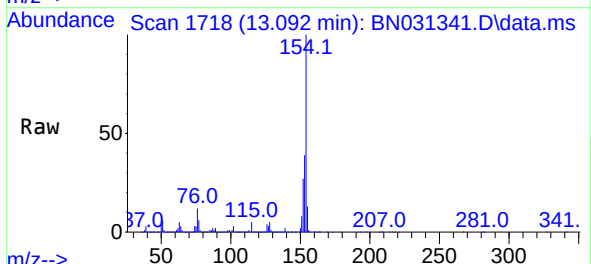
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

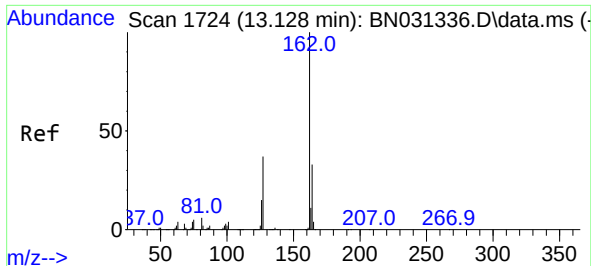
Tgt Ion:196 Resp: 572345
Ion Ratio Lower Upper
196 100
198 95.3 79.4 119.2
200 29.8 26.6 40.0



#43
1,1'-Biphenyl
Concen: 39.848 ng/ul
RT: 13.092 min Scan# 1718
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:154 Resp: 1930731
Ion Ratio Lower Upper
154 100
153 39.1 30.7 46.1
76 11.9 9.8 14.8

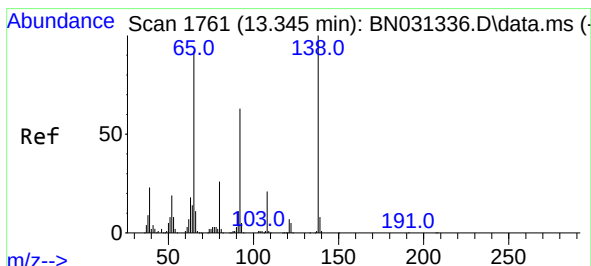
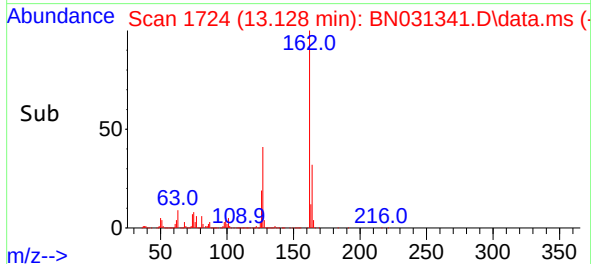
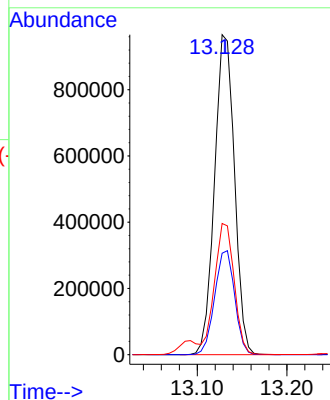
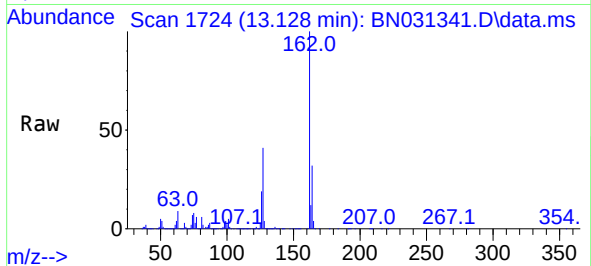




#44
2-Chloronaphthalene
Concen: 38.990 ng/ul
RT: 13.128 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

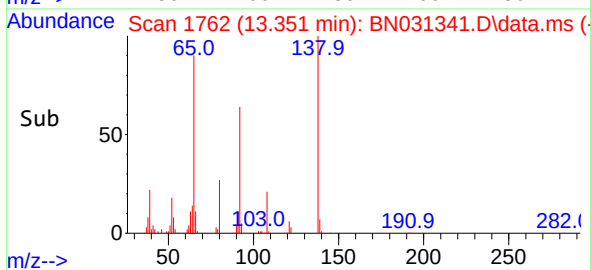
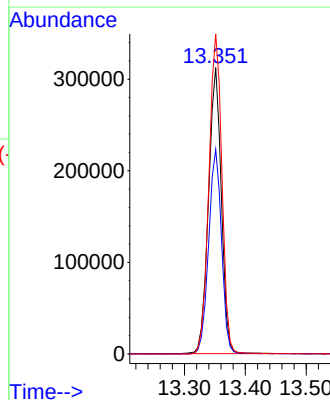
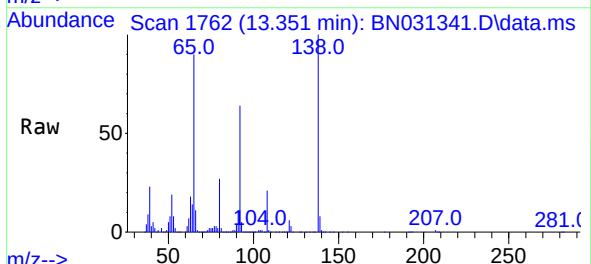
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

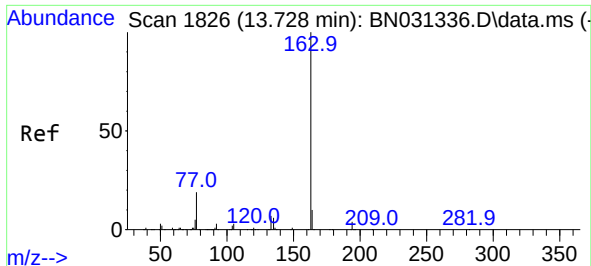
Tgt Ion:162 Resp: 1491957
Ion Ratio Lower Upper
162 100
164 31.7 26.0 39.0
127 41.0 32.5 48.7



#45
2-Nitroaniline
Concen: 42.039 ng/ul
RT: 13.351 min Scan# 1762
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion: 65 Resp: 455652
Ion Ratio Lower Upper
65 100
92 71.5 58.5 87.7
138 111.7 90.6 136.0

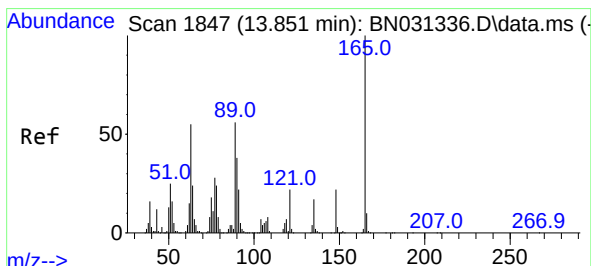
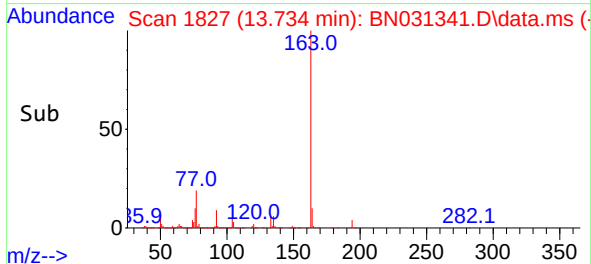
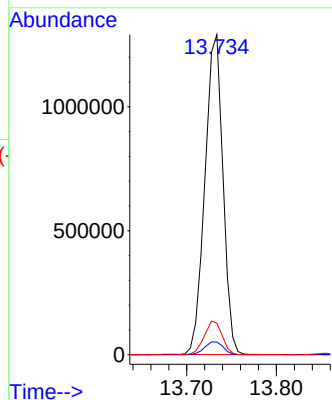
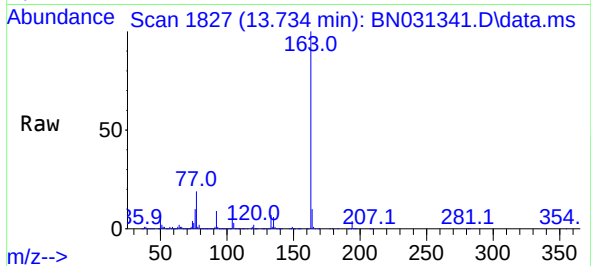




#47
Dimethylphthalate
Concen: 37.396 ng/ul
RT: 13.734 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

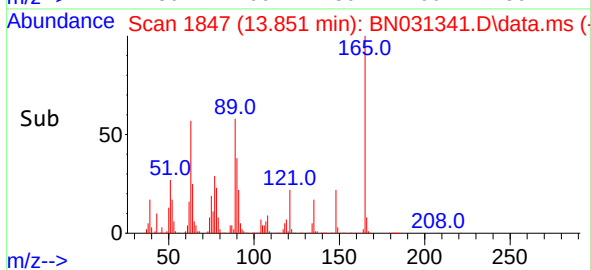
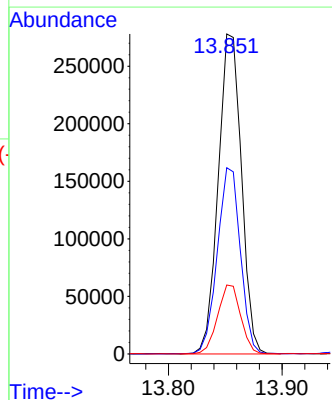
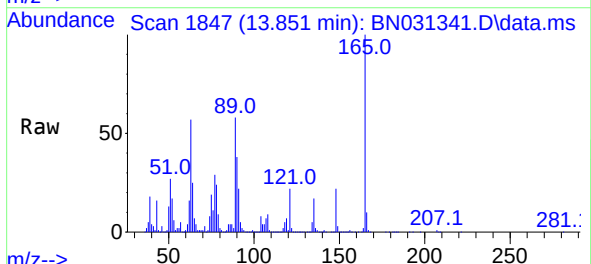
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

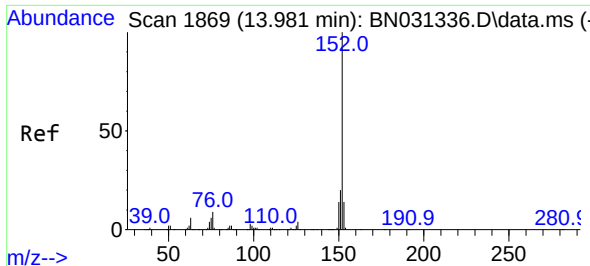
Tgt Ion:163 Resp: 1802000
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.8 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 41.993 ng/ul
RT: 13.851 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:165 Resp: 394835
Ion Ratio Lower Upper
165 100
89 58.2 45.9 68.9
121 21.6 17.9 26.9



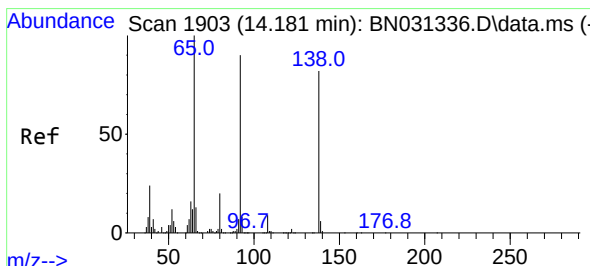
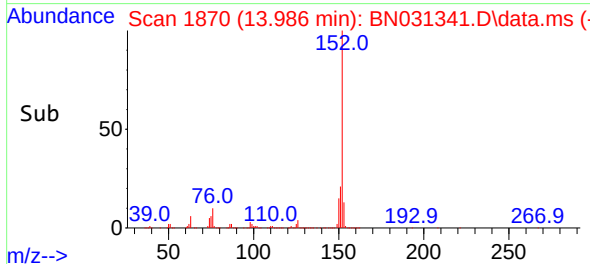
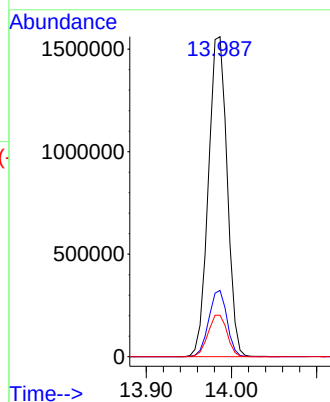
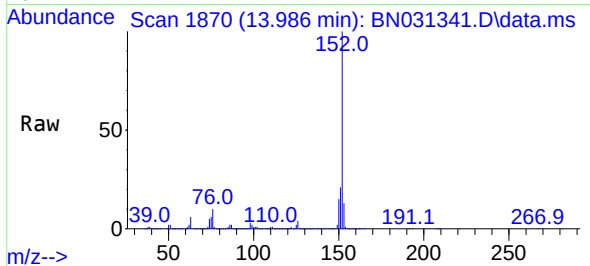


#50
Acenaphthylene
Concen: 38.420 ng/ul
RT: 13.986 min Scan# 1869
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

Tgt Ion:152 Resp: 2385781

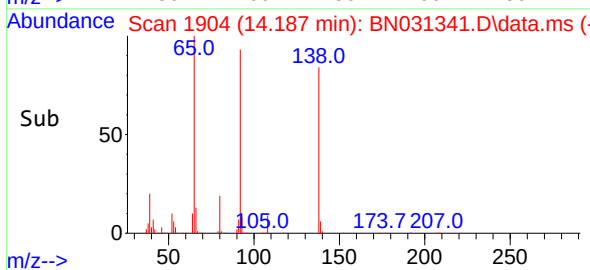
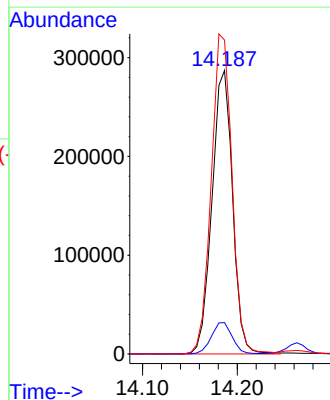
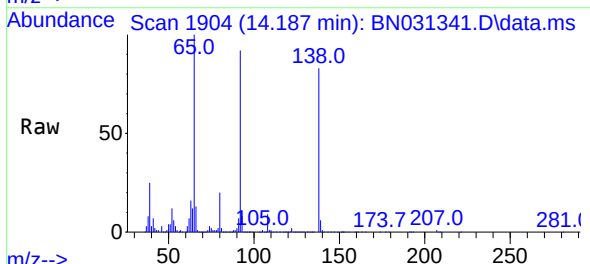
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.0	10.6	15.8

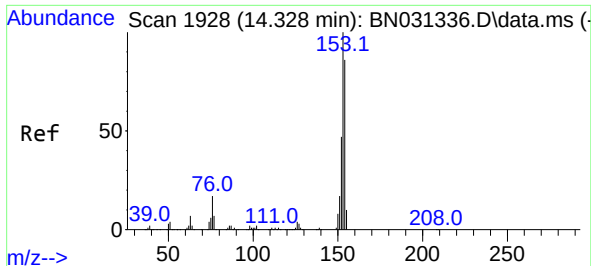


#51
3-Nitroaniline
Concen: 42.764 ng/ul
RT: 14.187 min Scan# 1904
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:138 Resp: 433037

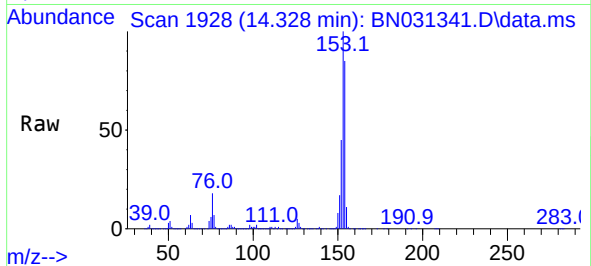
Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.4	14.2
92	110.7	91.4	137.0



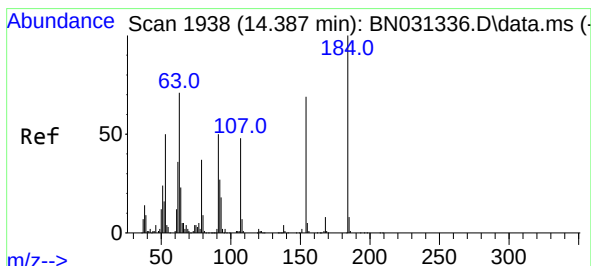
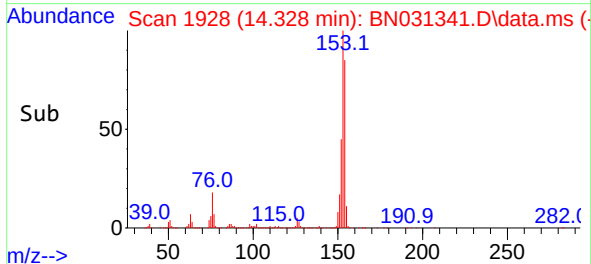
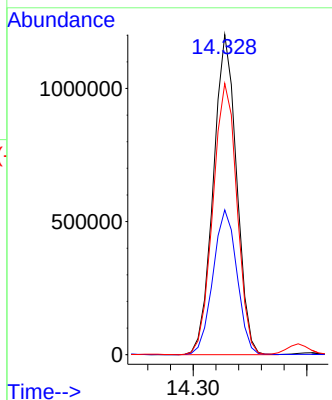


#52
Acenaphthene
Concen: 41.530 ng/ul
RT: 14.328 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

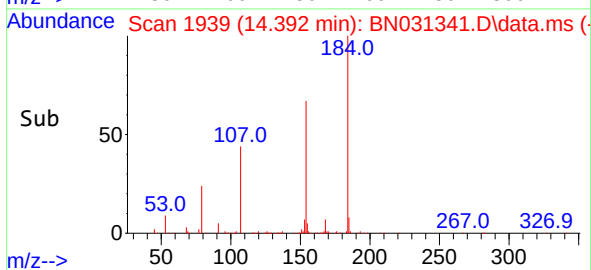
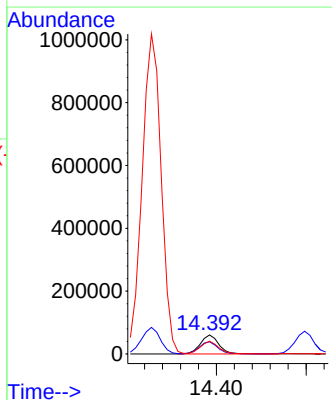
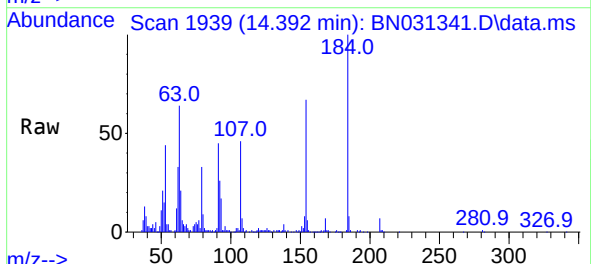


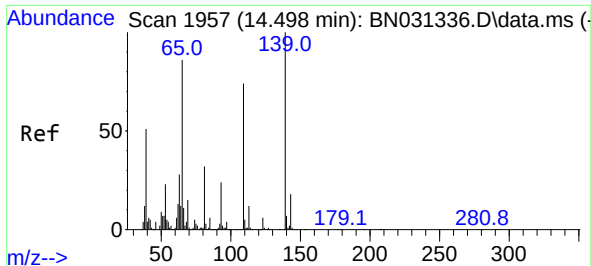
Tgt Ion:153 Resp: 1710742
Ion Ratio Lower Upper
153 100
152 45.2 38.3 57.5
154 84.7 70.7 106.1



#53
2,4-Dinitrophenol
Concen: 16.040 ng/ul
RT: 14.392 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:184 Resp: 86189
Ion Ratio Lower Upper
184 100
63 63.6 58.6 87.8
154 67.5 60.8 91.2

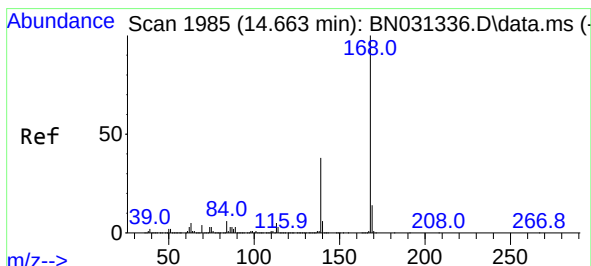
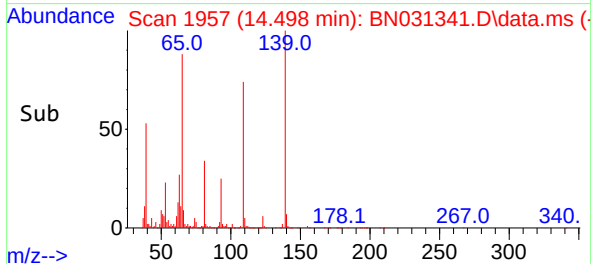
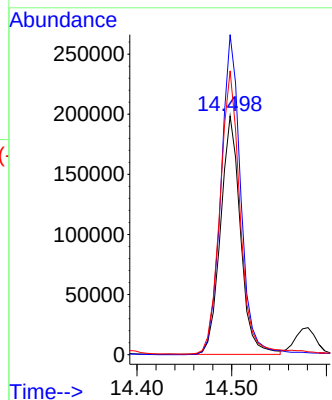
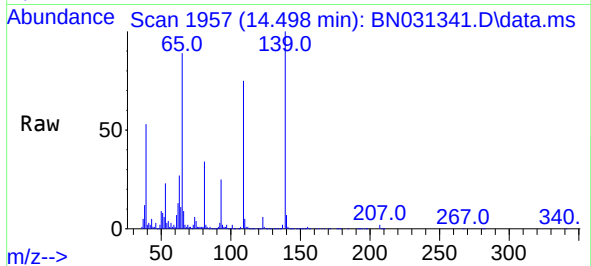




#55
4-Nitrophenol
Concen: 42.375 ng/ul
RT: 14.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

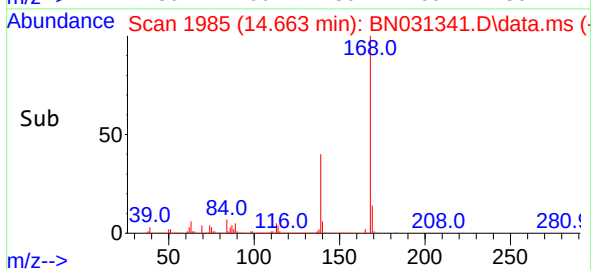
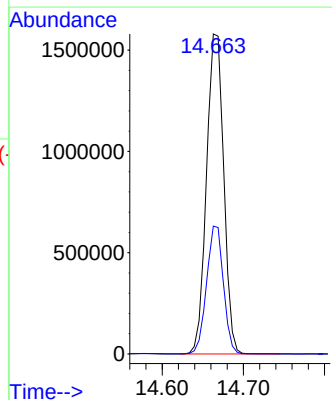
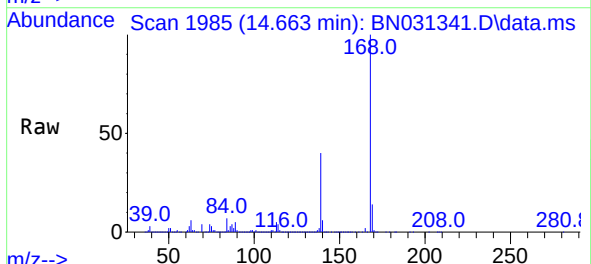
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

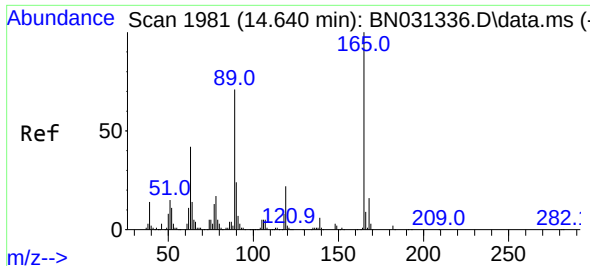
Tgt Ion:109 Resp: 289561
Ion Ratio Lower Upper
109 100
139 134.0 106.2 159.2
65 118.9 99.9 149.9



#56
Dibenzofuran
Concen: 41.571 ng/ul
RT: 14.663 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:168 Resp: 2325392
Ion Ratio Lower Upper
168 100
139 40.0 29.7 44.5

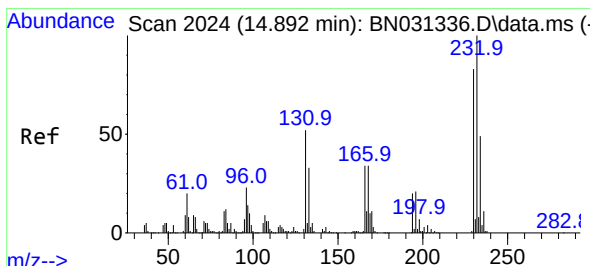
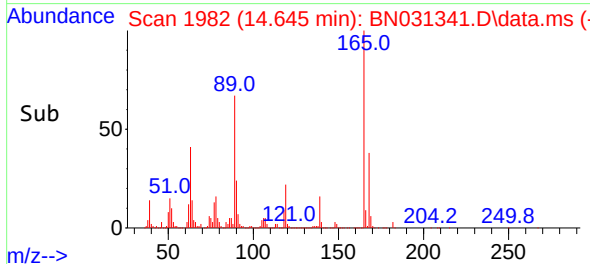
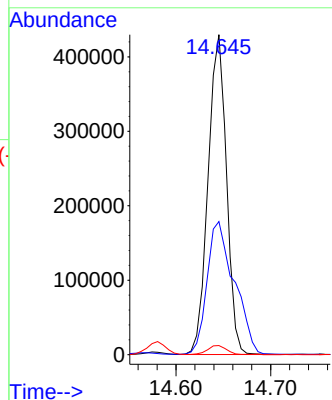
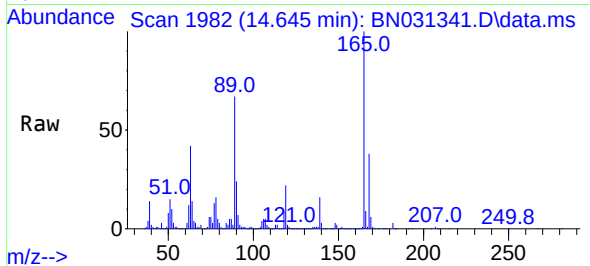




#57
2,4-Dinitrotoluene
Concen: 42.047 ng/ul
RT: 14.645 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

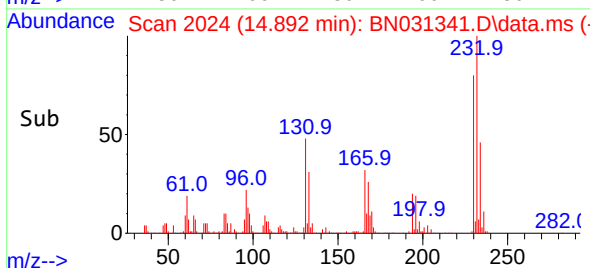
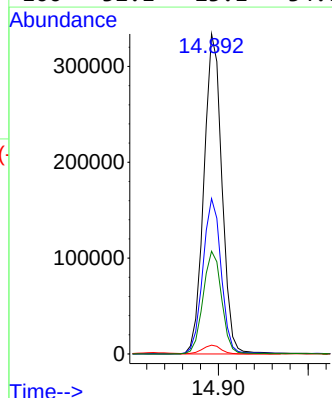
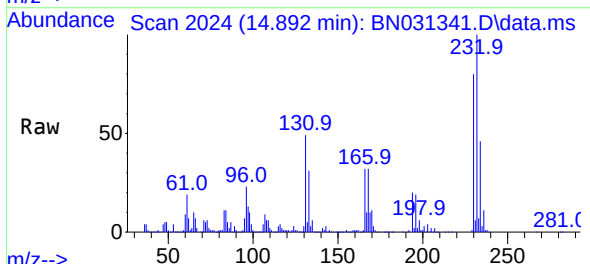
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

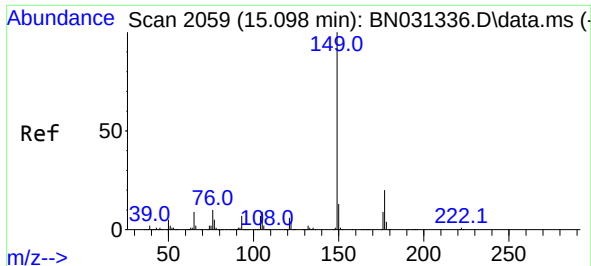
Tgt Ion:165 Resp: 579813
Ion Ratio Lower Upper
165 100
63 41.6 34.0 51.0
182 2.8 2.2 3.4



#58
2,3,4,6-Tetrachlorophenol
Concen: 40.392 ng/ul
RT: 14.892 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

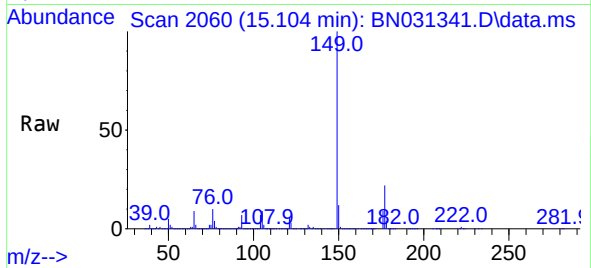
Tgt Ion:232 Resp: 466065
Ion Ratio Lower Upper
232 100
131 48.5 35.9 53.9
130 2.7 1.9 2.9
166 32.1 23.1 34.7



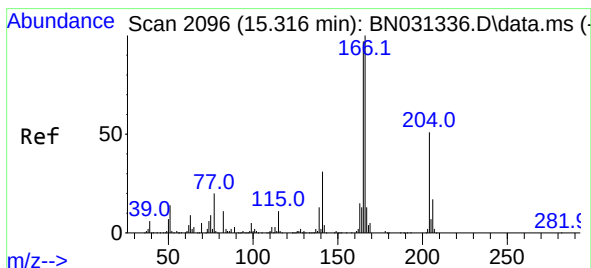
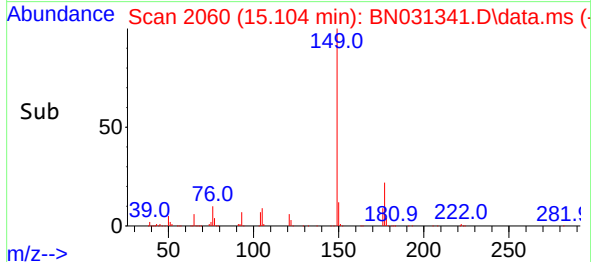
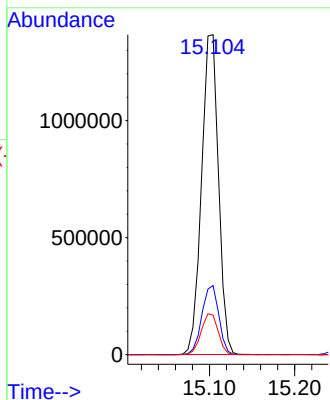


#59
Diethylphthalate
Concen: 38.922 ng/ul
RT: 15.104 min Scan# 2060
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

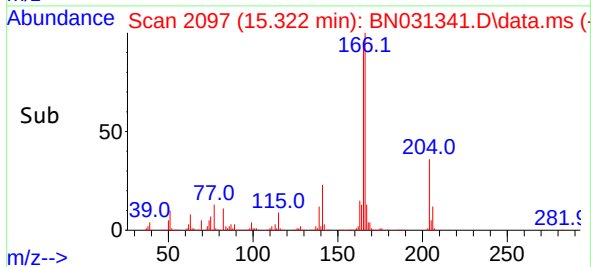
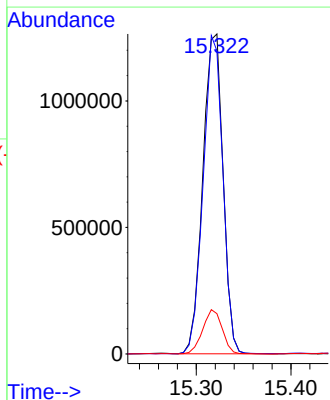
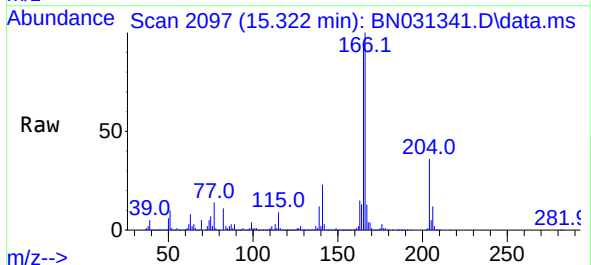


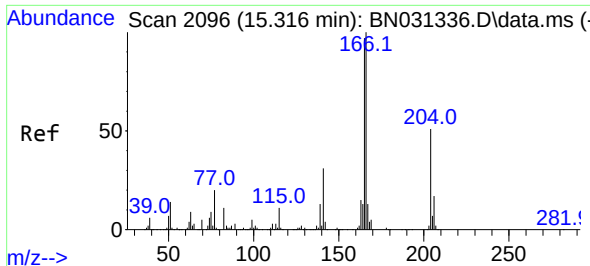
Tgt Ion:149 Resp: 1890307
Ion Ratio Lower Upper
149 100
177 21.6 17.2 25.8
150 12.3 9.4 14.2



#61
Fluorene
Concen: 41.968 ng/ul
RT: 15.322 min Scan# 2097
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

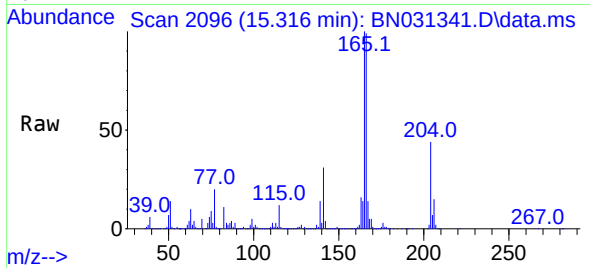
Tgt Ion:166 Resp: 1871617
Ion Ratio Lower Upper
166 100
165 94.7 77.9 116.9
167 12.6 10.9 16.3



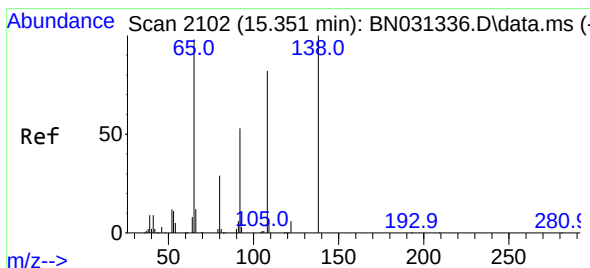
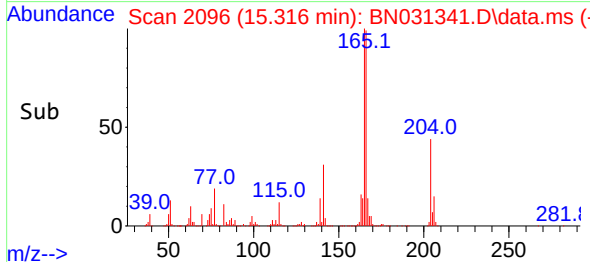
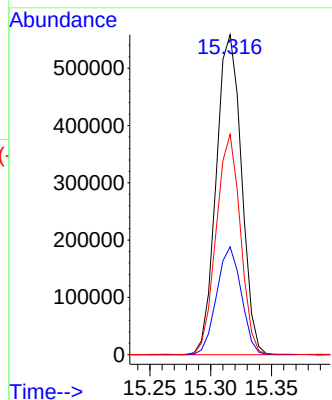


#62
4-Chlorophenyl-phenylether
Concen: 37.492 ng/ul
RT: 15.316 min Scan# 2096
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

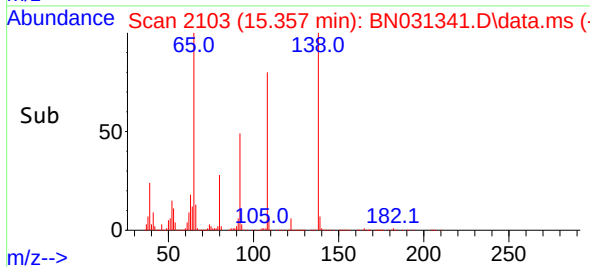
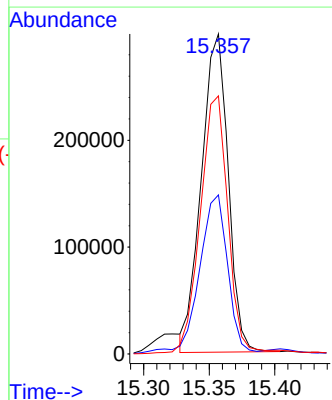
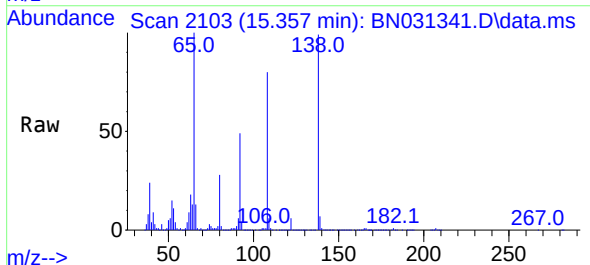


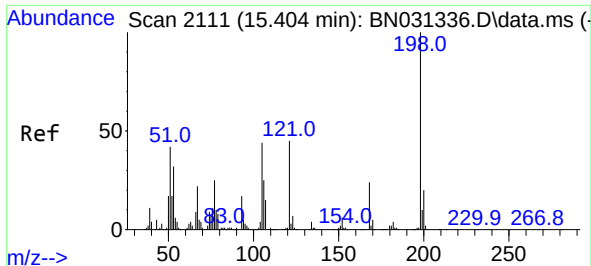
Tgt Ion:204 Resp: 806572
Ion Ratio Lower Upper
204 100
206 33.7 25.6 38.4
141 68.9 53.4 80.0



#63
4-Nitroaniline
Concen: 45.707 ng/ul
RT: 15.357 min Scan# 2103
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:138 Resp: 423807
Ion Ratio Lower Upper
138 100
92 49.7 40.0 60.0
108 80.7 63.2 94.8

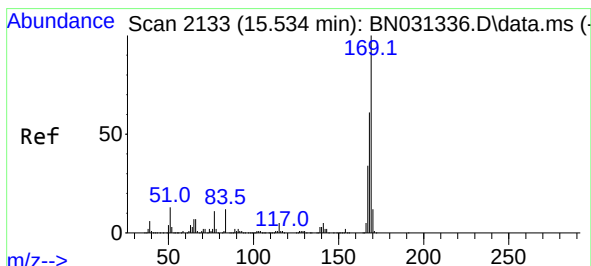
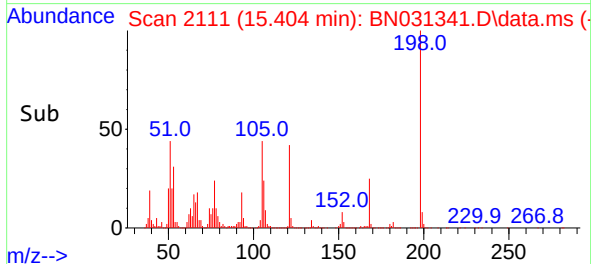
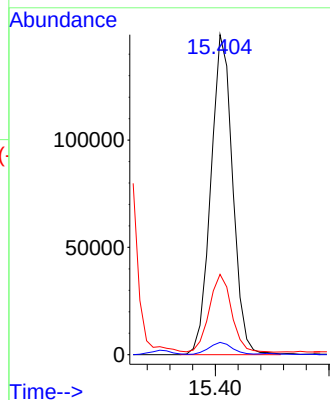
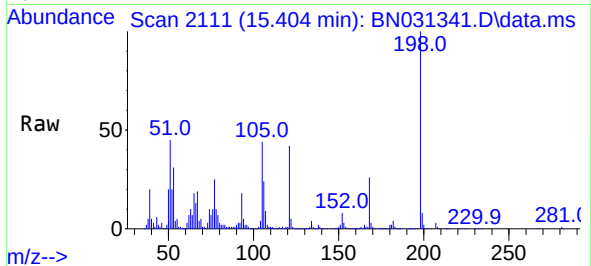




#66
4,6-Dinitro-2-methylphenol
Concen: 25.064 ng/ul
RT: 15.404 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

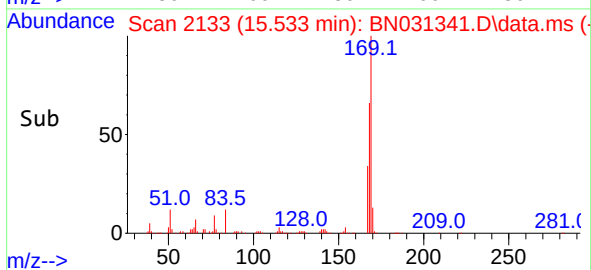
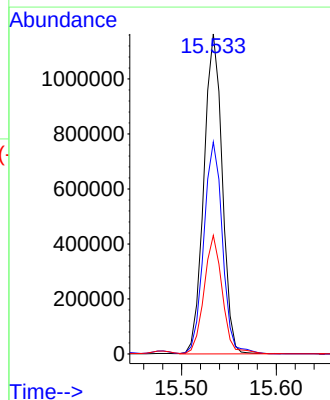
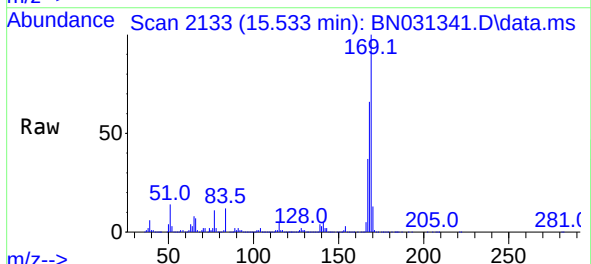
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

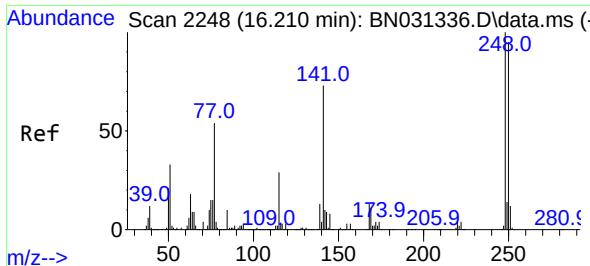
Tgt Ion:198 Resp: 199009
Ion Ratio Lower Upper
198 100
182 3.9 3.8 5.8
77 25.1 21.3 31.9



#67
N-Nitrosodiphenylamine
Concen: 40.859 ng/ul
RT: 15.533 min Scan# 2133
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:169 Resp: 1563725
Ion Ratio Lower Upper
169 100
168 66.2 51.4 77.0
167 37.0 27.8 41.8

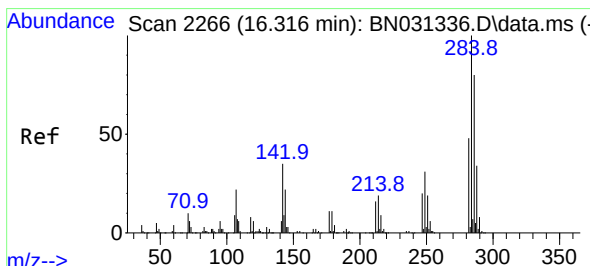
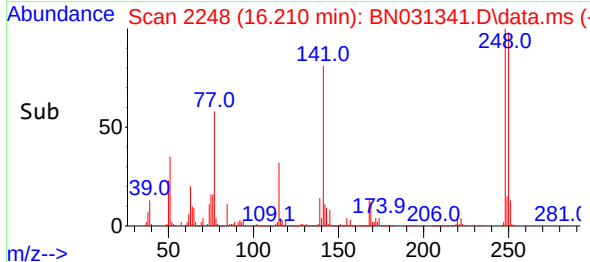
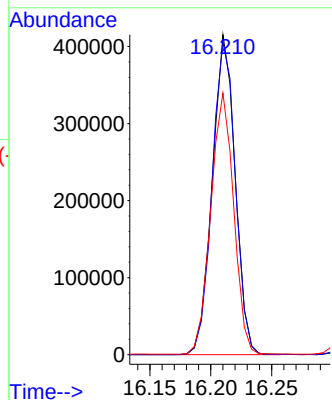
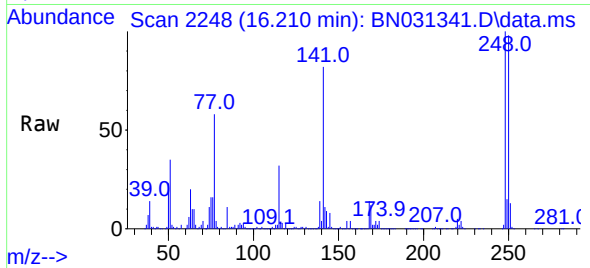




#68
4-Bromophenyl-phenylether
Concen: 40.160 ng/ul
RT: 16.210 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

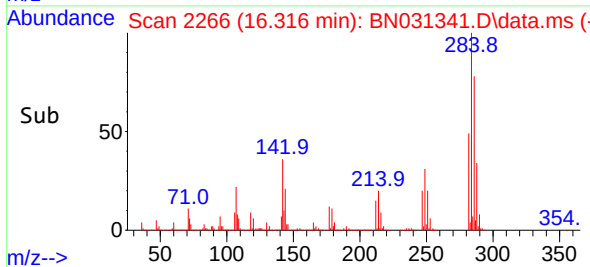
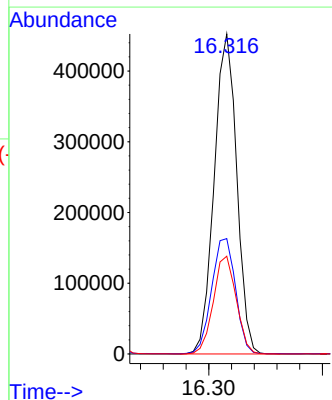
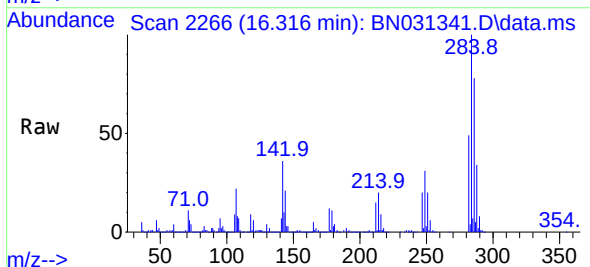
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

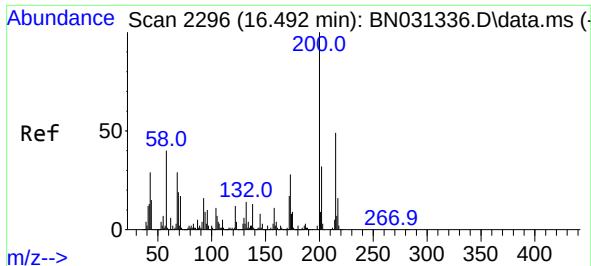
Tgt Ion:248 Resp: 541166
Ion Ratio Lower Upper
248 100
250 97.6 79.6 119.4
141 81.7 61.7 92.5



#69
Hexachlorobenzene
Concen: 40.122 ng/ul
RT: 16.316 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

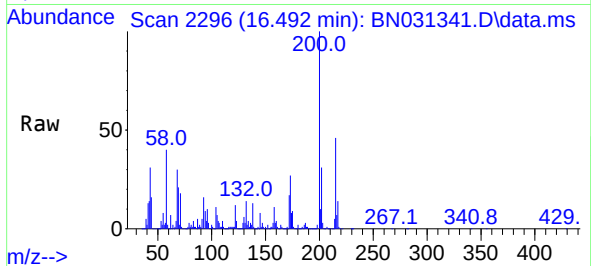
Tgt Ion:284 Resp: 623474
Ion Ratio Lower Upper
284 100
142 36.0 31.0 46.4
249 30.6 25.5 38.3



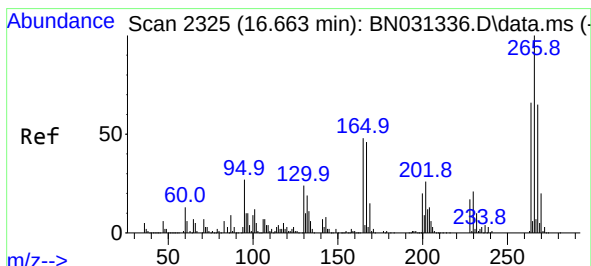
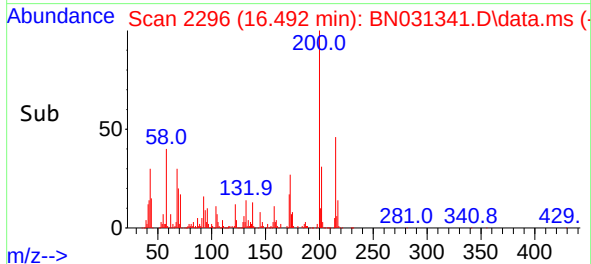
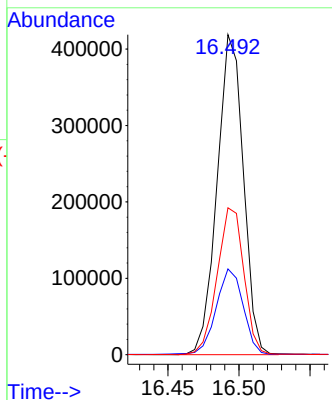


#70
Atrazine
Concen: 43.253 ng/ul
RT: 16.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

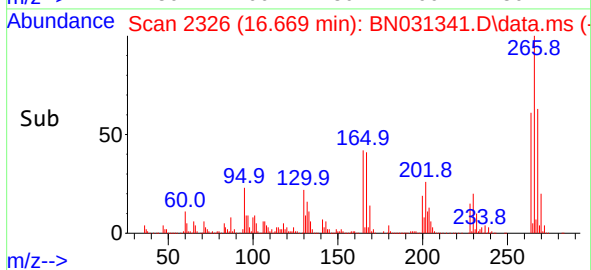
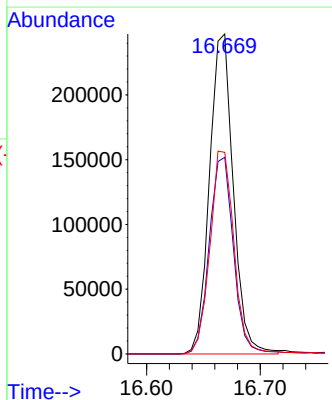
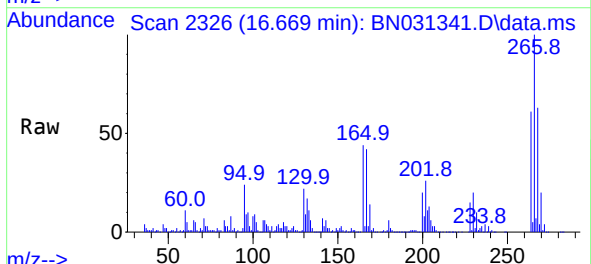


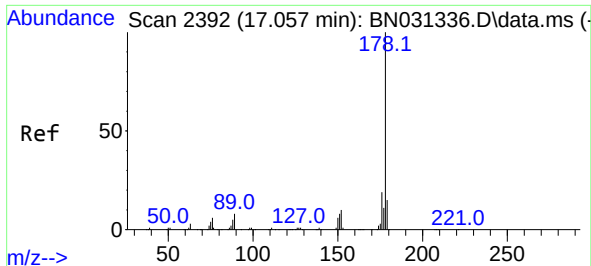
Tgt Ion:200 Resp: 537696
Ion Ratio Lower Upper
200 100
173 26.8 23.0 34.6
215 45.9 40.7 61.1



#71
Pentachlorophenol
Concen: 38.154 ng/ul
RT: 16.669 min Scan# 2326
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:266 Resp: 358976
Ion Ratio Lower Upper
266 100
264 61.4 48.6 73.0
268 63.0 55.5 83.3

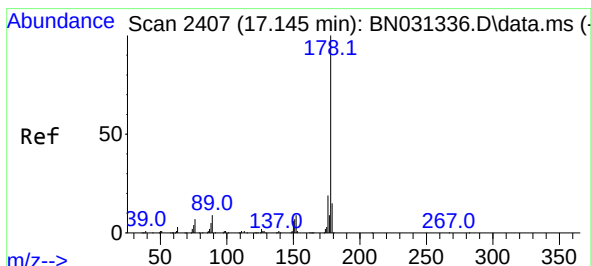
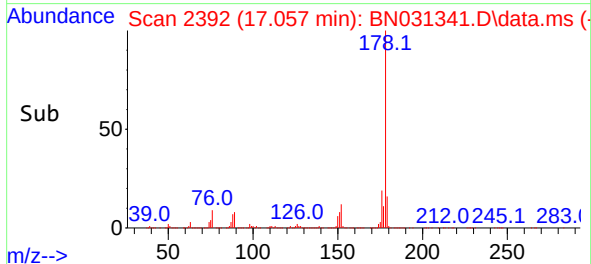
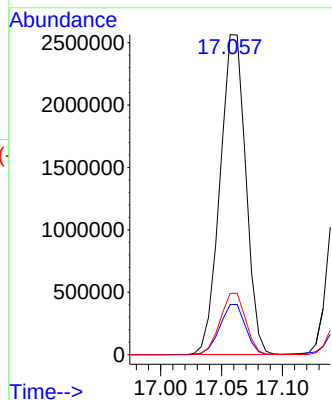
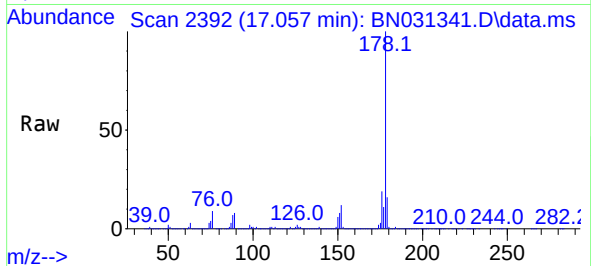




#72
Phenanthrene
Concen: 52.859 ng/u1
RT: 17.057 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

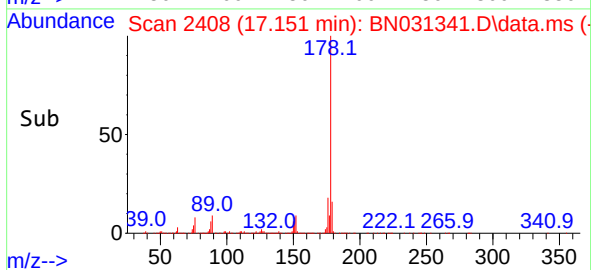
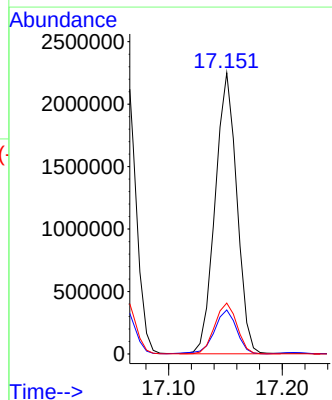
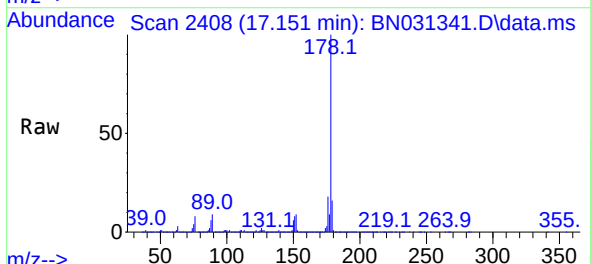
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

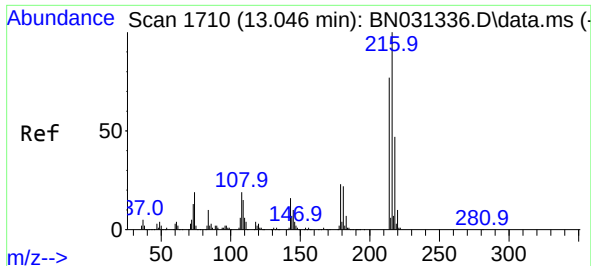
Tgt Ion:178 Resp: 3767957
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.1 15.6 23.4



#74
Anthracene
Concen: 41.894 ng/u1
RT: 17.151 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:178 Resp: 2986477
Ion Ratio Lower Upper
178 100
179 15.7 12.0 18.0
176 18.1 15.1 22.7

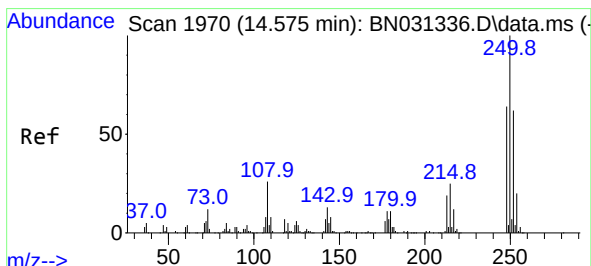
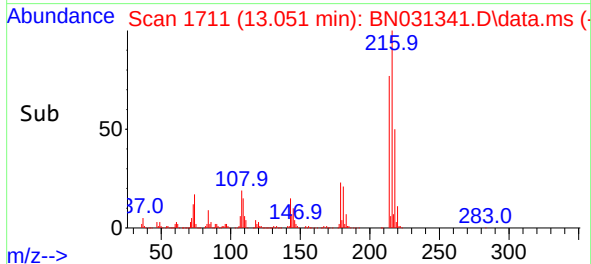
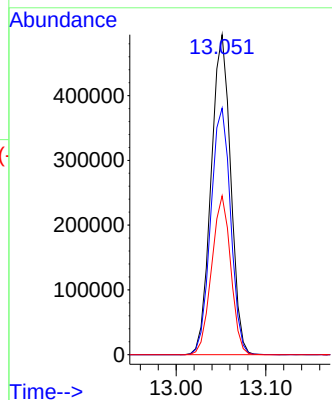
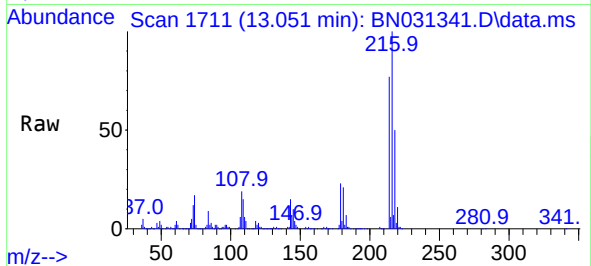




#75
1,2,3,4-Tetrachlorobenzene
Concen: 41.019 ng/uL
RT: 13.051 min Scan# 1711
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

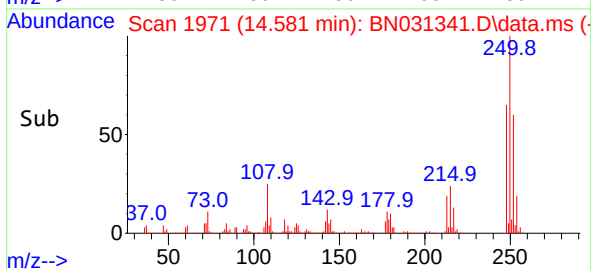
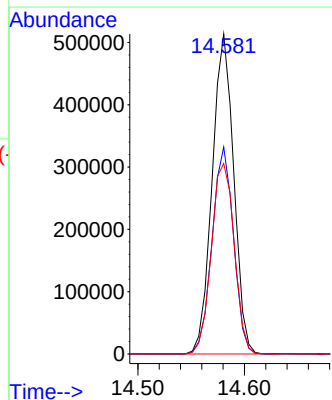
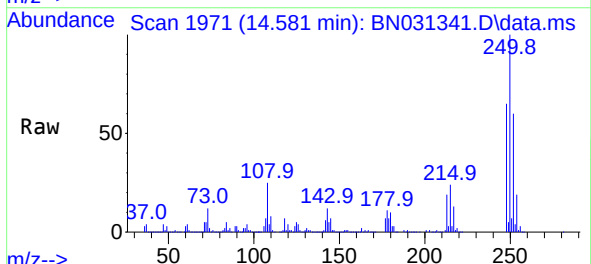
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

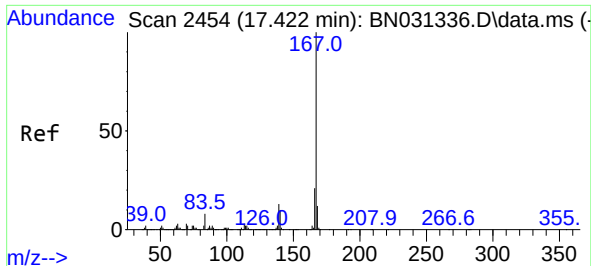
Tgt Ion:216 Resp: 748384
Ion Ratio Lower Upper
216 100
214 77.1 61.7 92.5
218 49.6 39.4 59.0



#76
Pentachlorobenzene
Concen: 40.242 ng/uL
RT: 14.581 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:250 Resp: 720045
Ion Ratio Lower Upper
250 100
248 64.6 51.0 76.6
252 59.5 48.2 72.2

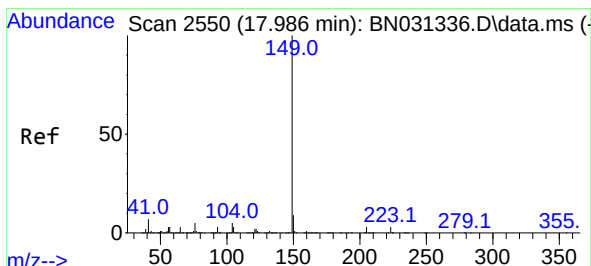
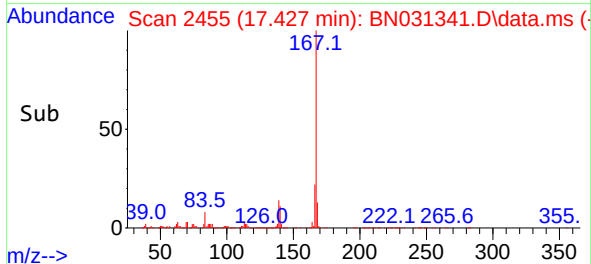
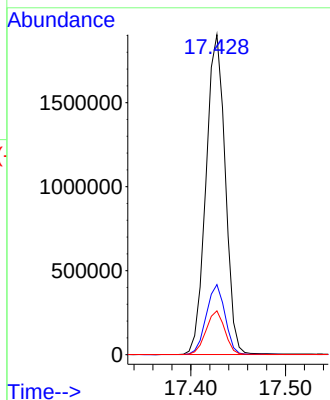
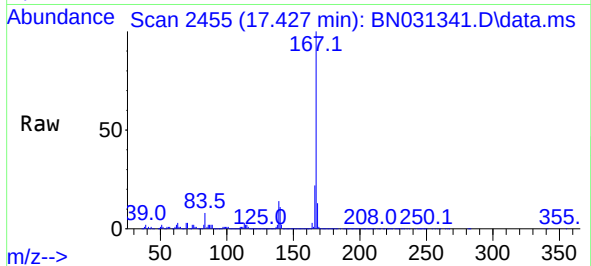




#77
 Carbazole
 Concen: 43.142 ng/ul
 RT: 17.427 min Scan# 2454
 Delta R.T. 0.006 min
 Lab File: BN031341.D
 Acq: 01 May 2024 05:48

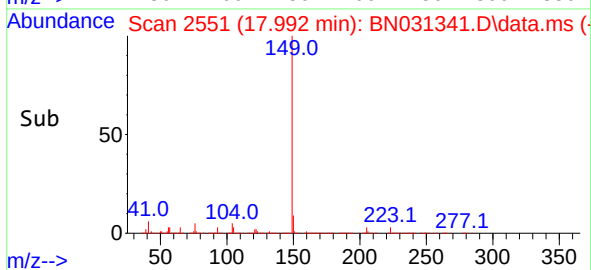
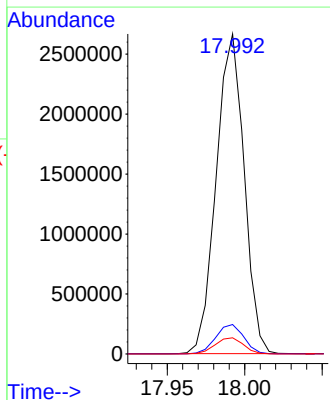
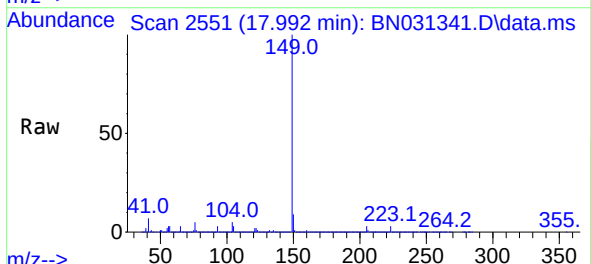
Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MS

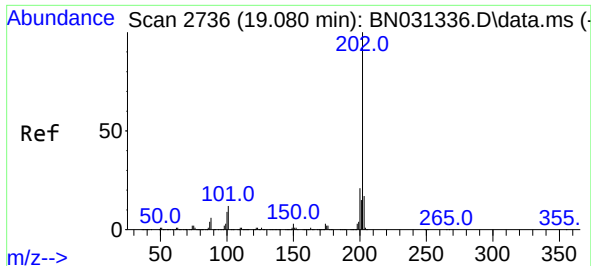
Tgt Ion:167 Resp: 2686156
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.7 25.1
 139 13.7 10.4 15.6



#78
 Di-n-butylphthalate
 Concen: 41.332 ng/ul
 RT: 17.992 min Scan# 2551
 Delta R.T. 0.006 min
 Lab File: BN031341.D
 Acq: 01 May 2024 05:48

Tgt Ion:149 Resp: 3334946
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.0 6.0

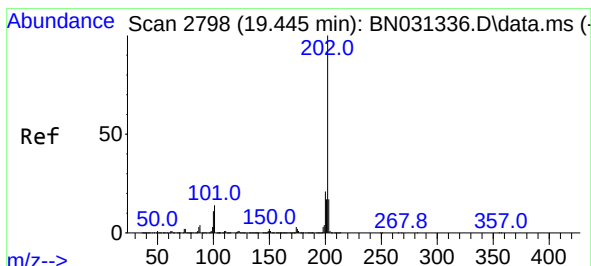
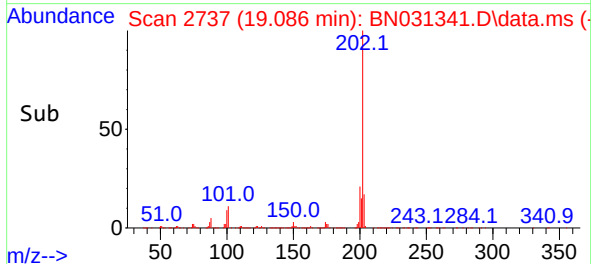
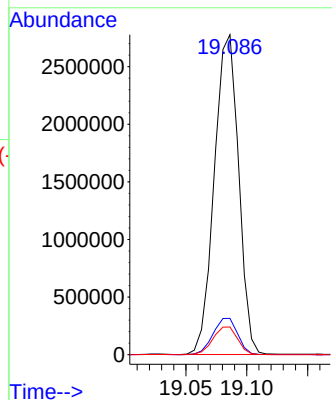
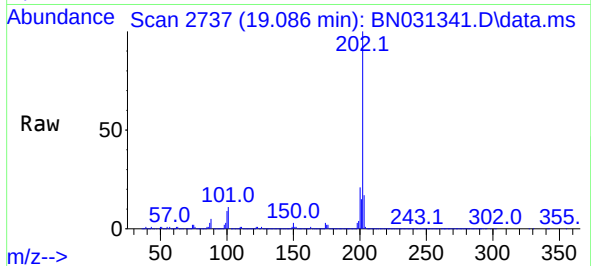




#80
Fluoranthene
Concen: 52.771 ng/u1
RT: 19.086 min Scan# 2736
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

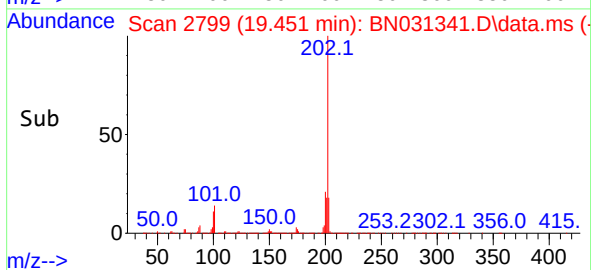
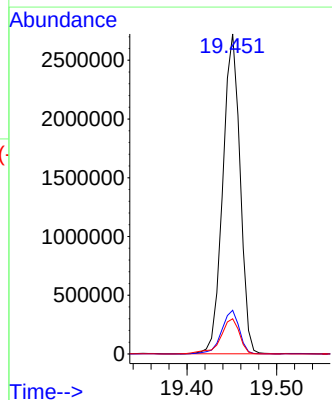
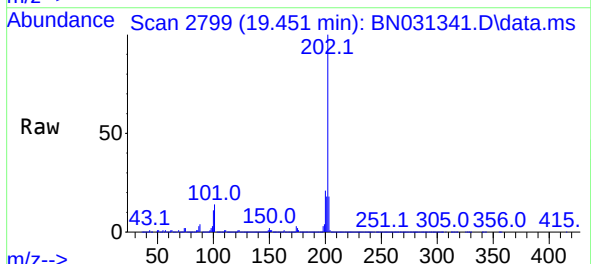
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

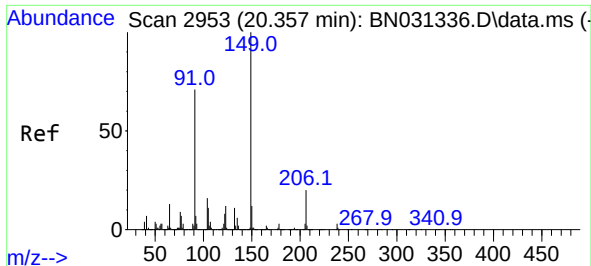
Tgt Ion:202 Resp: 3864637
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.6
100 8.7 6.7 10.1



#82
Pyrene
Concen: 48.647 ng/u1
RT: 19.451 min Scan# 2799
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:202 Resp: 3634325
Ion Ratio Lower Upper
202 100
101 13.7 11.0 16.6
100 11.0 9.2 13.8

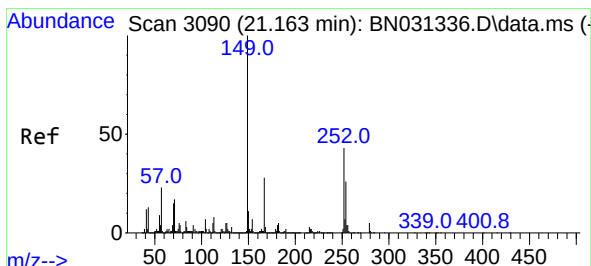
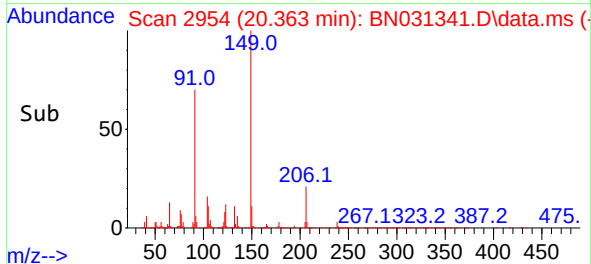
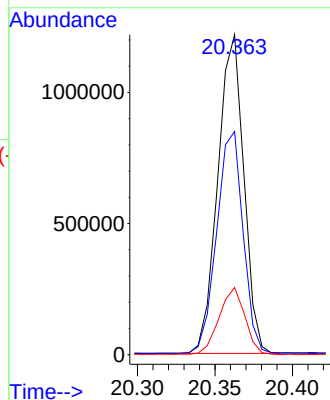
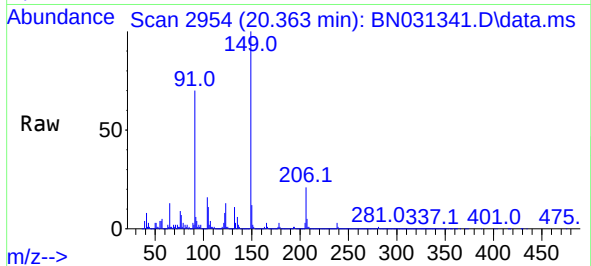




#83
Butylbenzylphthalate
Concen: 45.445 ng/ul
RT: 20.363 min Scan# 2954
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

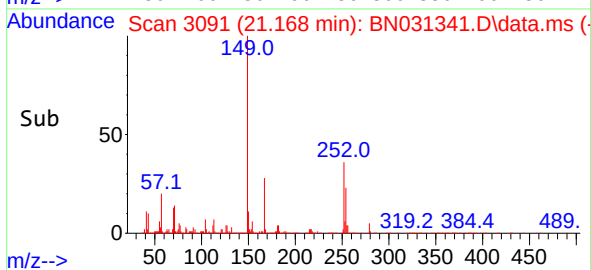
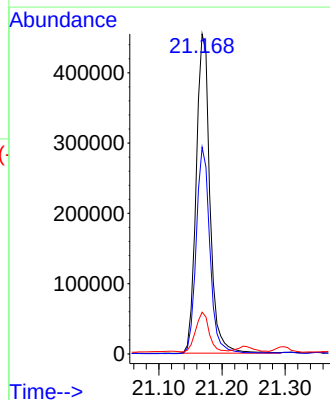
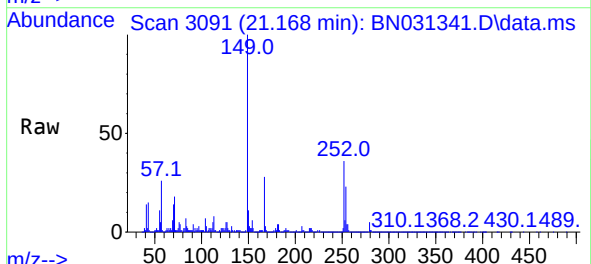
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

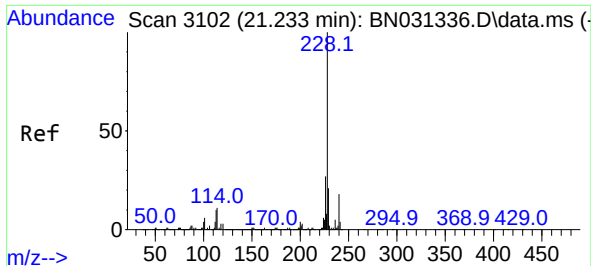
Tgt Ion:149 Resp: 1418424
Ion Ratio Lower Upper
149 100
91 69.7 56.8 85.2
206 21.0 15.7 23.5



#84
3,3'-Dichlorobenzidine
Concen: 38.131 ng/ul
RT: 21.168 min Scan# 3091
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:252 Resp: 684356
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 13.0 9.9 14.9

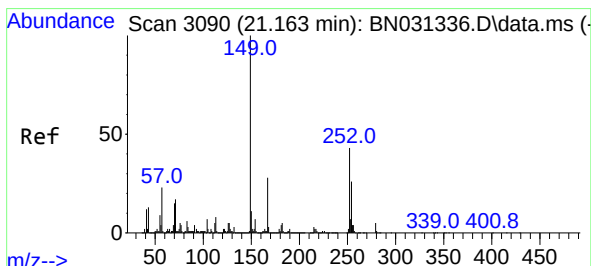
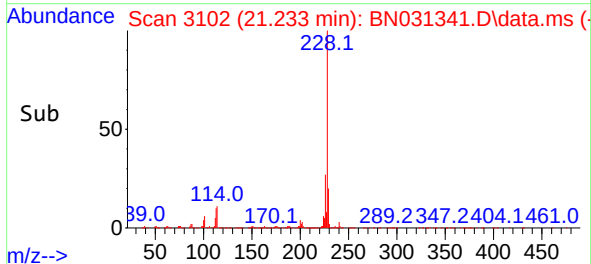
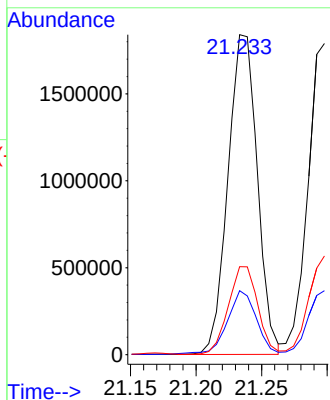
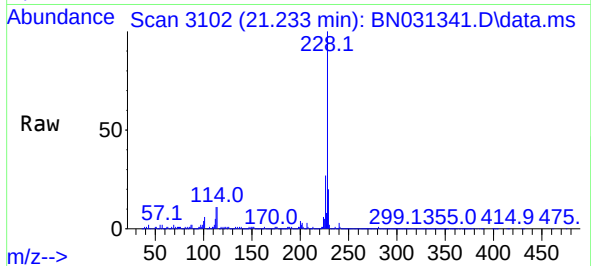




#85
Benzo(a)anthracene
Concen: 43.791 ng/ul
RT: 21.233 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

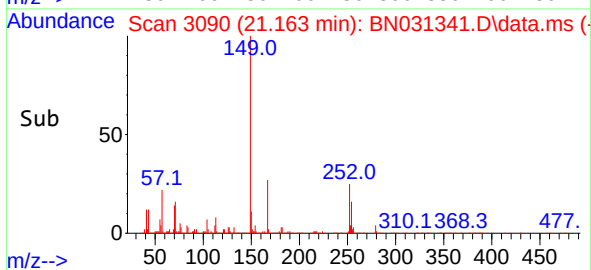
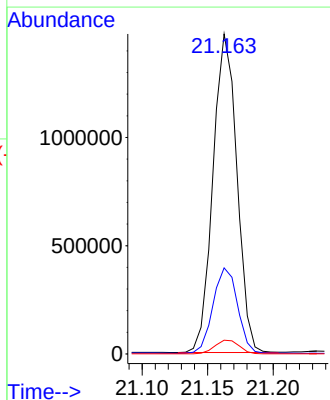
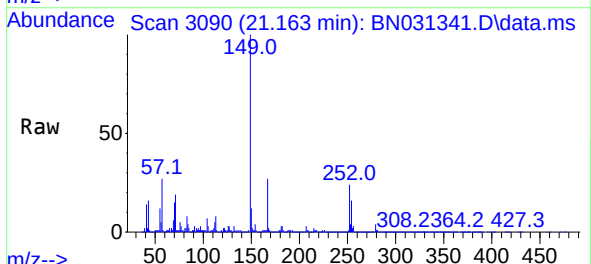
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

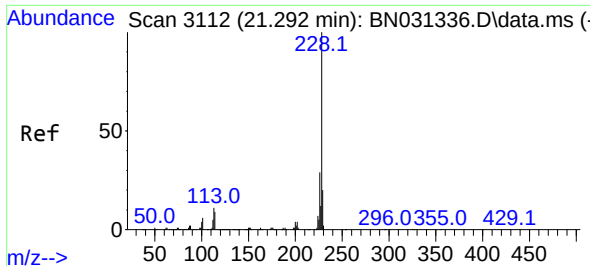
Tgt Ion:228 Resp: 2866672
Ion Ratio Lower Upper
228 100
229 20.0 15.9 23.9
226 27.5 21.1 31.7



#86
Bis(2-ethylhexyl)phthalate
Concen: 45.404 ng/ul
RT: 21.163 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:149 Resp: 1864538
Ion Ratio Lower Upper
149 100
167 26.9 22.1 33.1
279 4.3 3.4 5.0

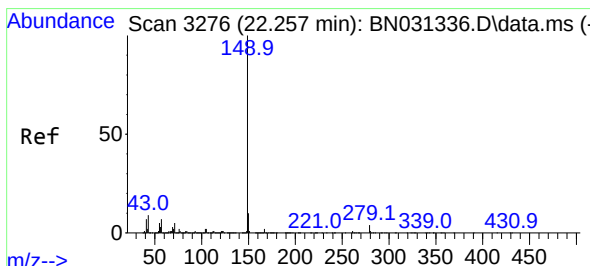
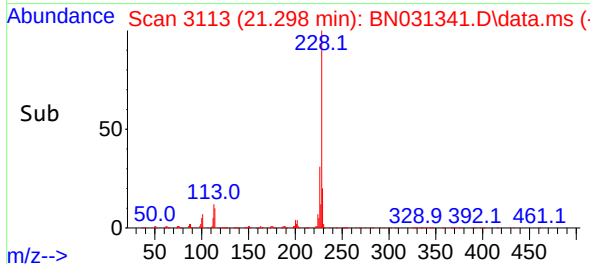
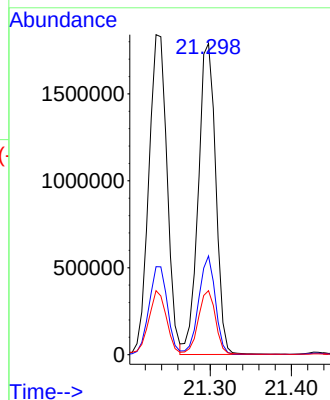
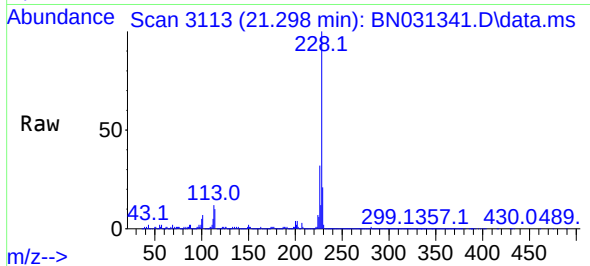




#87
Chrysene
Concen: 43.551 ng/ul
RT: 21.298 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

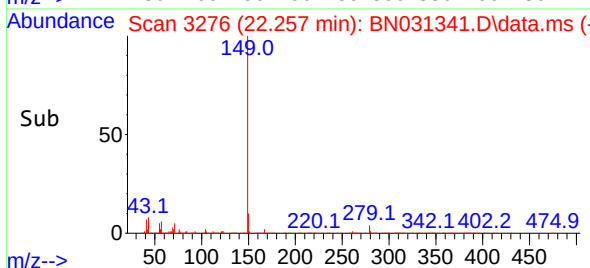
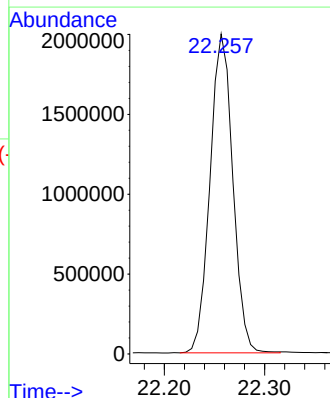
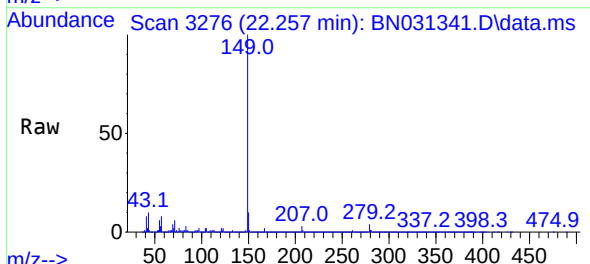
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

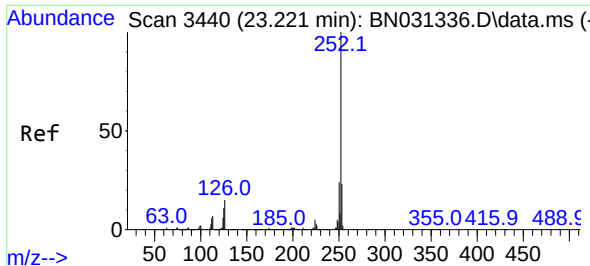
Tgt Ion:228 Resp: 2671159
Ion Ratio Lower Upper
228 100
226 31.7 24.5 36.7
229 20.5 16.7 25.1



#89
Di-n-octyl phthalate
Concen: 40.986 ng/ul
RT: 22.257 min Scan# 3276
Delta R.T. -0.000 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:149 Resp: 3154828

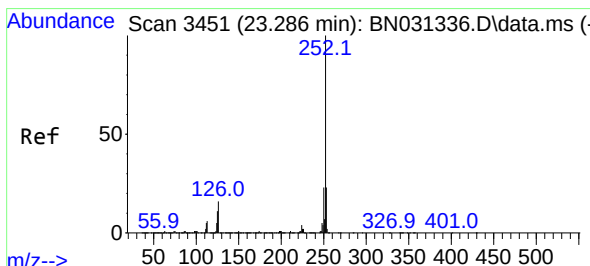
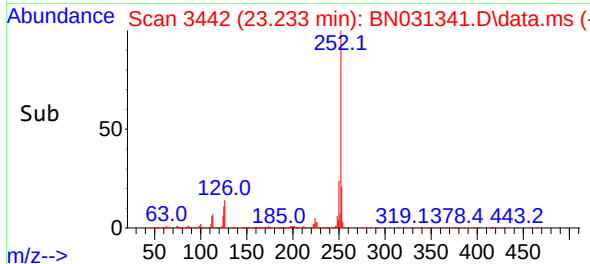
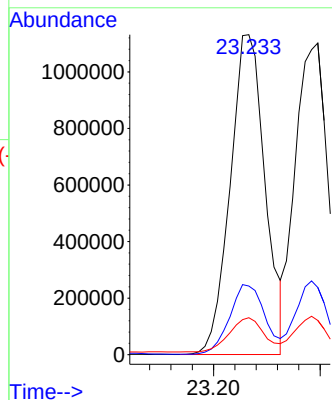
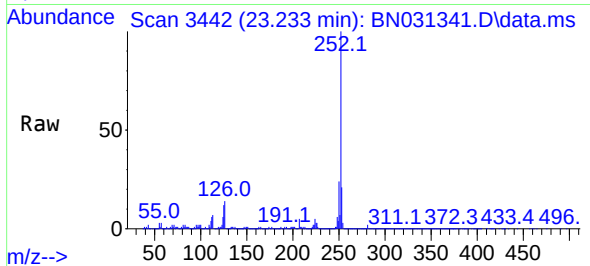




#90
Benzo(b)fluoranthene
Concen: 40.877 ng/u1
RT: 23.233 min Scan# 3442
Delta R.T. 0.012 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

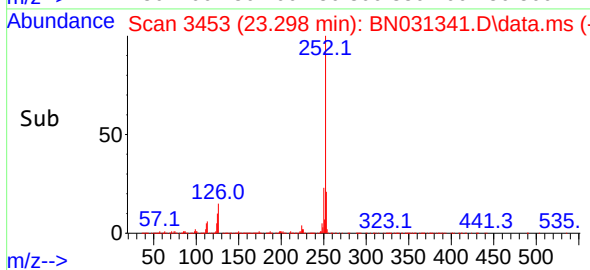
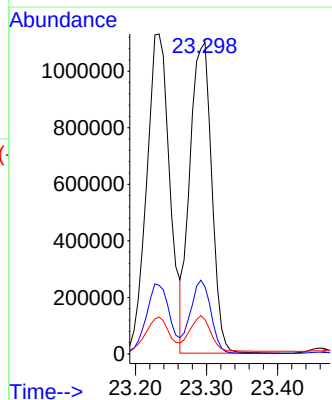
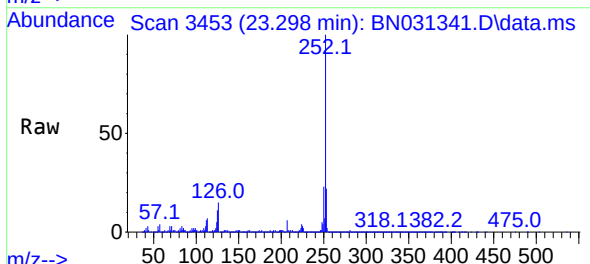
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

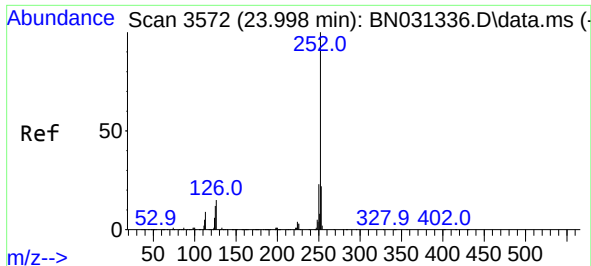
Tgt Ion:252 Resp: 2573491
Ion Ratio Lower Upper
252 100
253 21.5 15.7 23.5
125 11.6 8.6 13.0



#91
Benzo(k)fluoranthene
Concen: 37.921 ng/u1
RT: 23.298 min Scan# 3453
Delta R.T. 0.012 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:252 Resp: 2347847
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 11.0 8.7 13.1

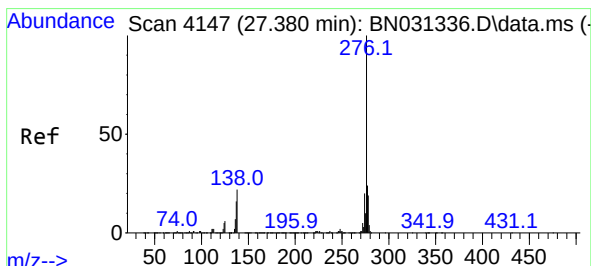
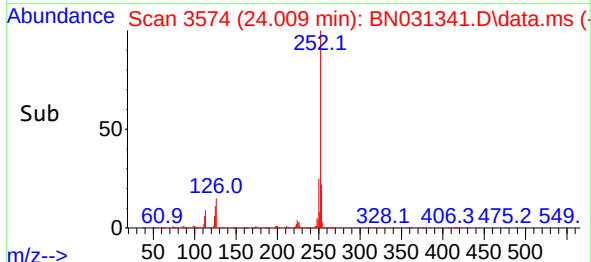
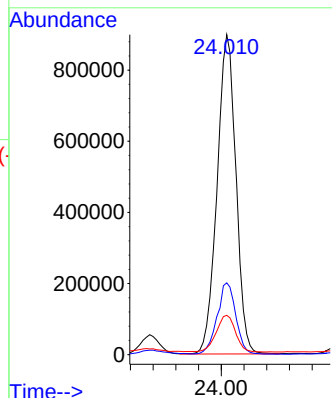
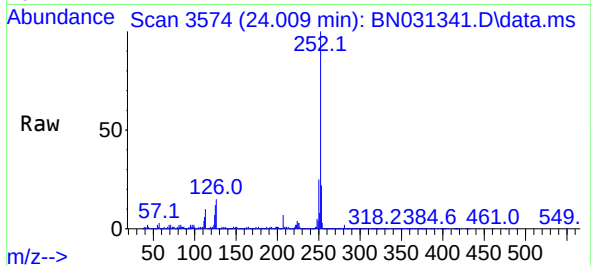




#93
Benzo(a)pyrene
Concen: 36.789 ng/ul
RT: 24.009 min Scan# 31
Delta R.T. 0.012 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

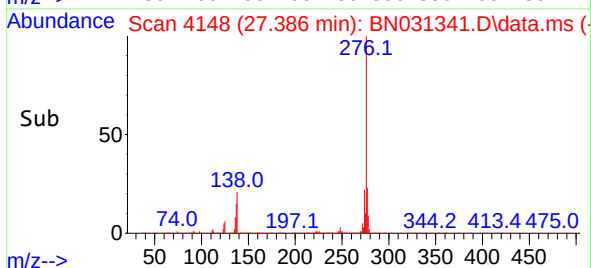
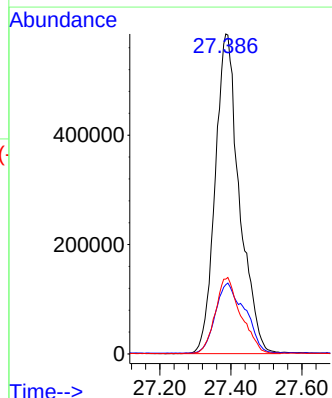
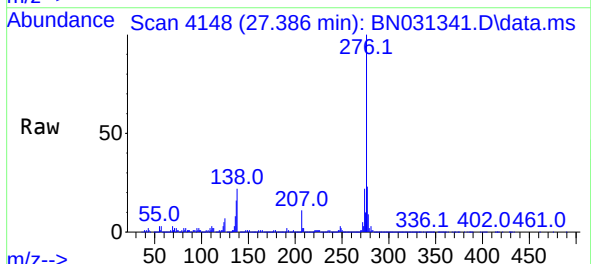
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

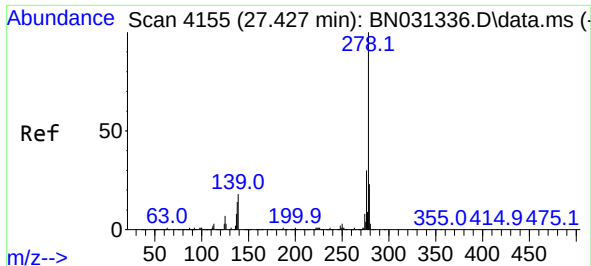
Tgt Ion:252 Resp: 2071567
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 12.3 9.7 14.5



#94
Indeno(1,2,3-cd)pyrene
Concen: 43.327 ng/ul
RT: 27.386 min Scan# 4148
Delta R.T. 0.006 min
Lab File: BN031341.D
Acq: 01 May 2024 05:48

Tgt Ion:276 Resp: 2764353
Ion Ratio Lower Upper
276 100
138 21.6 18.1 27.1
277 23.4 19.5 29.3



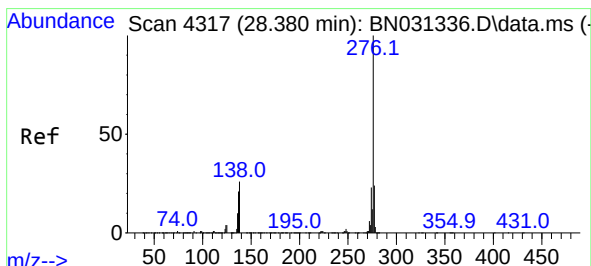
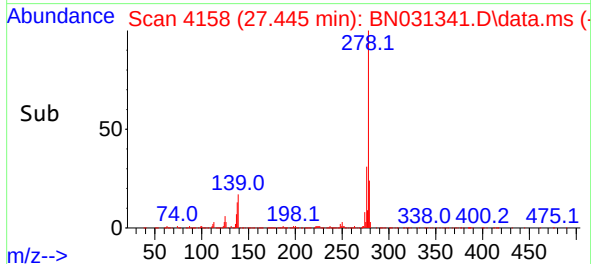
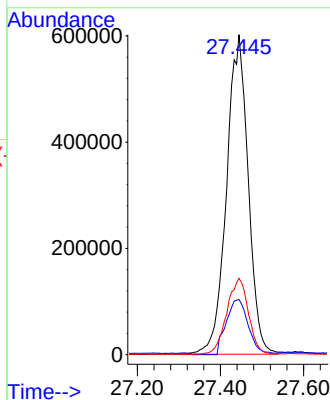
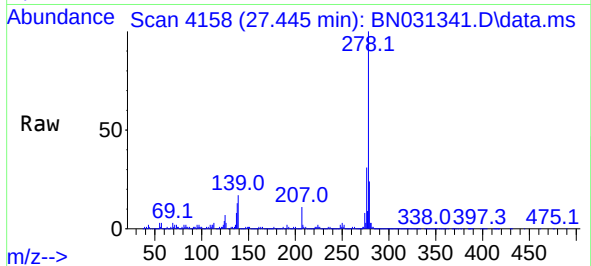


#95
 Dibenzo(a,h)anthracene
 Concen: 40.985 ng/ul
 RT: 27.445 min Scan# 4158
 Delta R.T. 0.018 min
 Lab File: BN031341.D
 Acq: 01 May 2024 05:48

Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MS

Tgt Ion:278 Resp: 2172231

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	23.9	18.7	28.1



#96
 Benzo(g,h,i)perylene
 Concen: 41.576 ng/ul
 RT: 28.403 min Scan# 4321
 Delta R.T. 0.023 min
 Lab File: BN031341.D
 Acq: 01 May 2024 05:48

Tgt Ion:276 Resp: 2139659

Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.8	28.2
277	25.4	18.0	27.0

