

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135973.D
 Acq On : 26 Oct 2023 20:24
 Operator : CG\JU
 Sample : 05039-04MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4MSD

Quant Time: Oct 27 01:20:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	168034	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	629119	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	262482	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	388631	20.000	ng	0.00
76) Chrysene-d12	14.015	240	315250	20.000	ng	0.00
86) Perylene-d12	15.498	264	275124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1171950	107.698	ng	0.01
7) Phenol-d6	6.463	99	1442546	106.481	ng	0.00
23) Nitrobenzene-d5	7.392	82	816976	83.991	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	261758	113.932	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1430421	87.262	ng	0.00
79) Terphenyl-d14	12.957	244	1314524	69.668	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	206106	40.773	ng	97
3) Pyridine	3.399	79	500852	35.898	ng	99
4) n-Nitrosodimethylamine	3.369	42	262637	43.171	ng	98
6) Aniline	6.492	93	652805	35.786	ng	100
8) 2-Chlorophenol	6.610	128	564876	50.143	ng	100
9) Benzaldehyde	6.375	77	163993	22.377	ng	99
10) Phenol	6.475	94	698525	49.321	ng	98
11) bis(2-Chloroethyl)ether	6.569	93	536198	48.639	ng	99
12) 1,3-Dichlorobenzene	6.769	146	577486	48.262	ng	98
13) 1,4-Dichlorobenzene	6.845	146	582671	48.486	ng	98
14) 1,2-Dichlorobenzene	6.998	146	560449	50.222	ng	99
15) Benzyl Alcohol	6.969	79	453507	47.354	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	767503	47.275	ng	98
17) 2-Methylphenol	7.081	107	434171	43.729	ng	98
18) Hexachloroethane	7.339	117	204116	49.951	ng	94
19) n-Nitroso-di-n-propyla...	7.245	70	357772	46.441	ng	97
20) 3+4-Methylphenols	7.234	107	529849	44.216	ng	# 89
22) Acetophenone	7.239	105	717101	50.467	ng	# 94
24) Nitrobenzene	7.410	77	527980	50.533	ng	97
25) Isophorone	7.651	82	1010049	50.792	ng	98
26) 2-Nitrophenol	7.722	139	247219	60.177	ng	97
27) 2,4-Dimethylphenol	7.763	122	416029	45.903	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	626235	51.283	ng	99
29) 2,4-Dichlorophenol	7.963	162	429152	52.878	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	473228	51.499	ng	99
31) Naphthalene	8.134	128	1518660	49.929	ng	99
32) Benzoic acid	7.881	122	229196	50.888	ng	89
33) 4-Chloroaniline	8.175	127	381927	28.410	ng	100
34) Hexachlorobutadiene	8.245	225	271035	52.330	ng	100
35) Caprolactam	8.551	113	121746	45.078	ng	97
36) 4-Chloro-3-methylphenol	8.657	107	419272	48.612	ng	98
37) 2-Methylnaphthalene	8.822	142	919241	45.678	ng	99
38) 1-Methylnaphthalene	8.922	142	882310	46.920	ng	98
40) 1,2,4,5-Tetrachloroben...	8.986	216	423656	57.146	ng	99
41) Hexachlorocyclopentadiene	8.975	237	169446	46.354	ng	100
43) 2,4,6-Trichlorophenol	9.098	196	268344	61.844	ng	99

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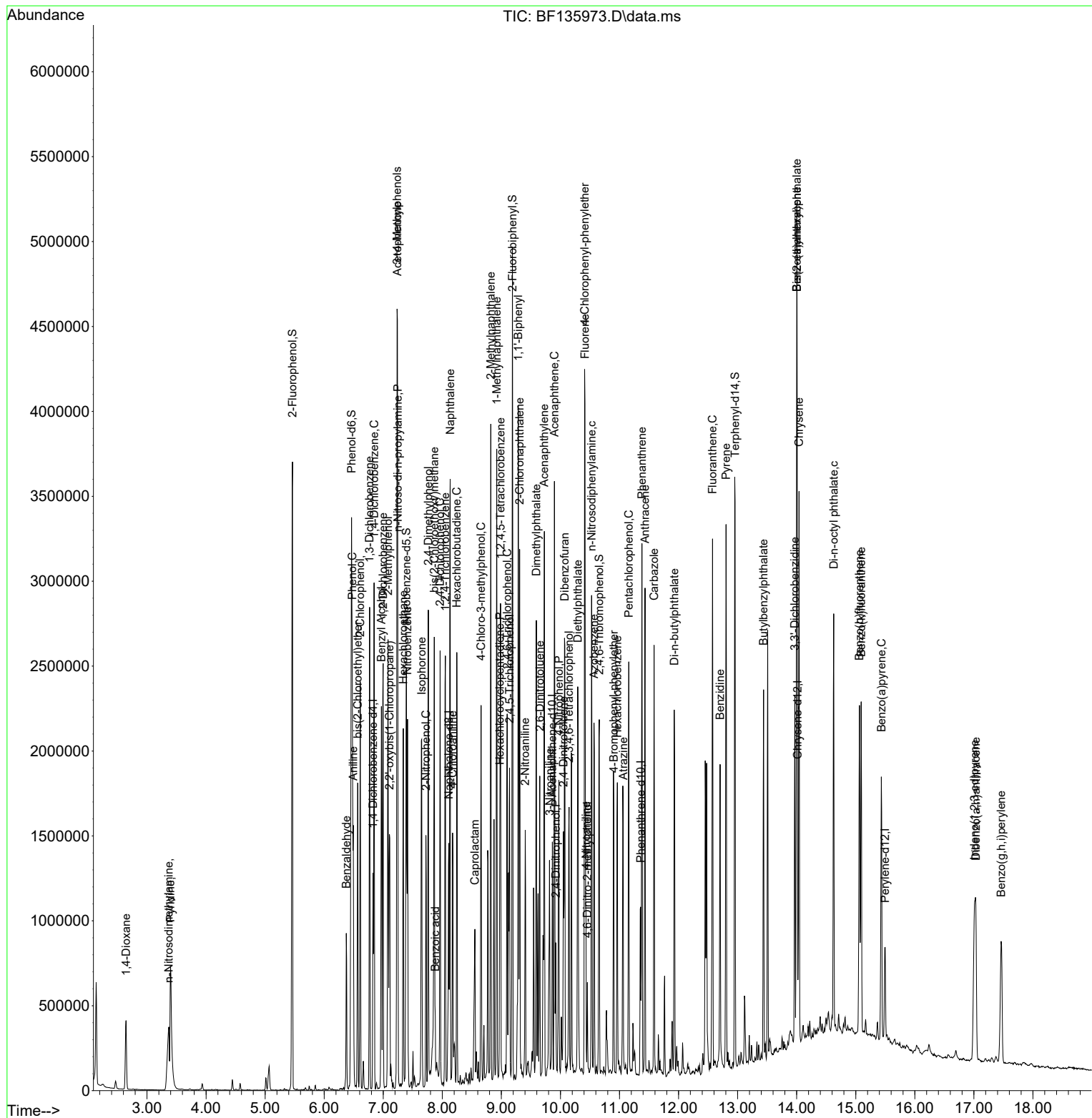
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	275185	53.415	ng	96
46) 1,1'-Biphenyl	9.286	154	1107461	55.682	ng	99
47) 2-Chloronaphthalene	9.310	162	810783	55.113	ng	98
48) 2-Nitroaniline	9.404	65	231871	55.635	ng	99
49) Acenaphthylene	9.728	152	1225845	52.819	ng	99
50) Dimethylphthalate	9.592	163	941077	55.286	ng	99
51) 2,6-Dinitrotoluene	9.651	165	192121	53.790	ng	87
52) Acenaphthene	9.898	154	764412	51.394	ng	99
53) 3-Nitroaniline	9.816	138	180605	43.268	ng	94
54) 2,4-Dinitrophenol	9.922	184	78990	68.038	ng	93
55) Dibenzofuran	10.075	168	1032380	48.046	ng	96
56) 4-Nitrophenol	9.975	139	289981	84.104	ng	97
57) 2,4-Dinitrotoluene	10.051	165	225252	51.134	ng	97
58) Fluorene	10.416	166	746320	46.426	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	200471	51.712	ng	92
60) Diethylphthalate	10.292	149	831409	51.221	ng	99
61) 4-Chlorophenyl-phenyle...	10.410	204	369600	47.663	ng	98
62) 4-Nitroaniline	10.433	138	167057	40.735	ng	94
63) Azobenzene	10.569	77	725504	44.044	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	56893	46.294	ng	94
66) n-Nitrosodiphenylamine	10.528	169	668923	56.975	ng	98
67) 4-Bromophenyl-phenylether	10.904	248	220588	55.424	ng	92
68) Hexachlorobenzene	10.963	284	232921	54.784	ng	92
69) Atrazine	11.063	200	209618	65.494	ng	98
70) Pentachlorophenol	11.157	266	265719	97.593	ng	99
71) Phenanthrene	11.380	178	1094978	55.690	ng	100
72) Anthracene	11.433	178	1050158	52.163	ng	100
73) Carbazole	11.586	167	913519	50.867	ng	99
74) Di-n-butylphthalate	11.927	149	1031088	53.954	ng	99
75) Fluoranthene	12.574	202	1217024	58.836	ng	98
77) Benzidine	12.704	184	684497	112.605	ng	100
78) Pyrene	12.804	202	1325508	50.076	ng	100
80) Butylbenzylphthalate	13.439	149	468609	46.936	ng	98
81) Benzo(a)anthracene	14.004	228	1190274	55.529	ng	100
82) 3,3'-Dichlorobenzidine	13.968	252	408105	62.580	ng	99
83) Chrysene	14.039	228	1112218	53.275	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	614065	56.416	ng	99
85) Di-n-octyl phthalate	14.627	149	1172979	68.410	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	768955	49.290	ng	99
88) Benzo(b)fluoranthene	15.063	252	949679	58.002	ng	99
89) Benzo(k)fluoranthene	15.092	252	864720	53.774	ng	100
90) Benzo(a)pyrene	15.433	252	777674	51.535	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	622518	46.652	ng	99
92) Benzo(g,h,i)perylene	17.462	276	616706	41.224	ng	99

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

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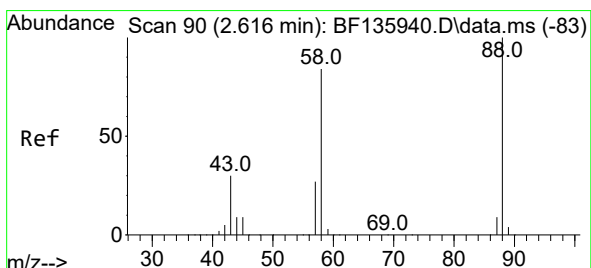
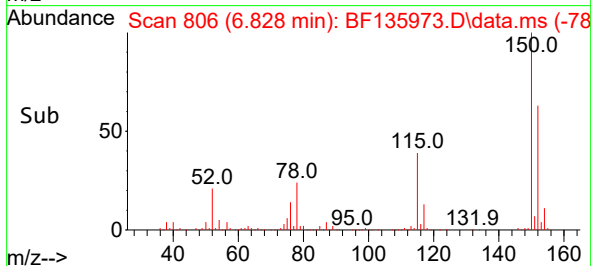
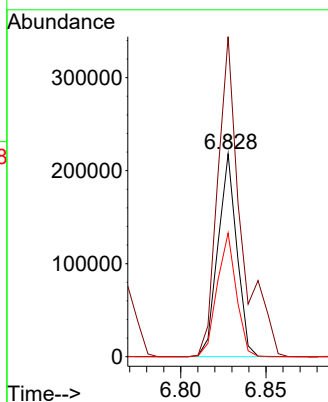
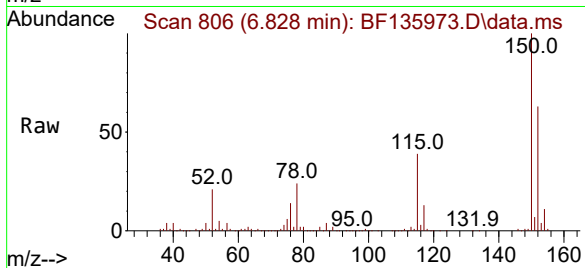




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF135973.D
 Acq: 26 Oct 2023 20:24

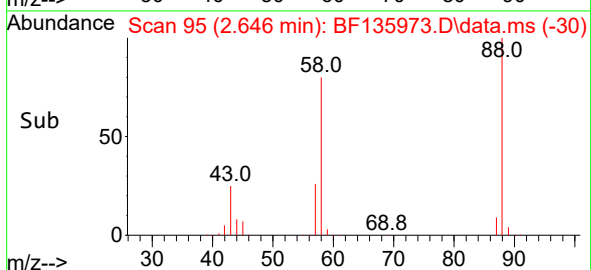
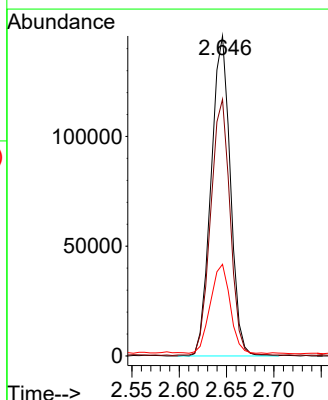
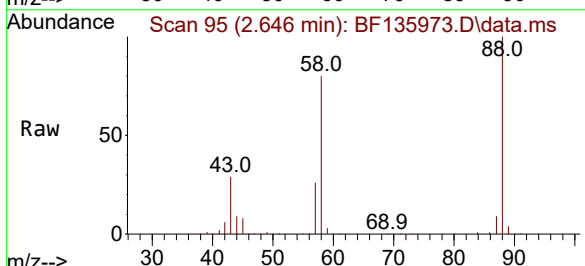
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 BNA_F
 ClientSampleId :
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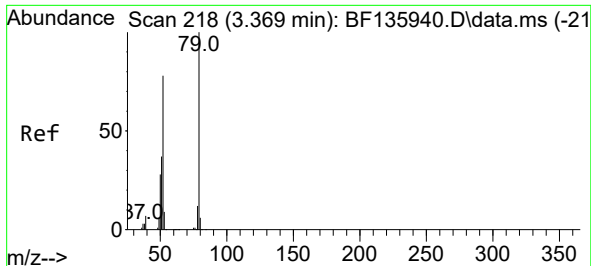
Tgt Ion:152 Resp: 168034
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 60.9 46.6 69.8



#2
 1,4-Dioxane
 Concen: 40.773 ng
 RT: 2.646 min Scan# 95
 Delta R.T. 0.029 min
 Lab File: BF135973.D
 Acq: 26 Oct 2023 20:24

Tgt Ion: 88 Resp: 206106
 Ion Ratio Lower Upper
 88 100
 58 80.7 66.6 100.0
 43 28.5 23.8 35.8





#3

Pyridine

Concen: 35.898 ng

RT: 3.399 min Scan# 218

Delta R.T. 0.029 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

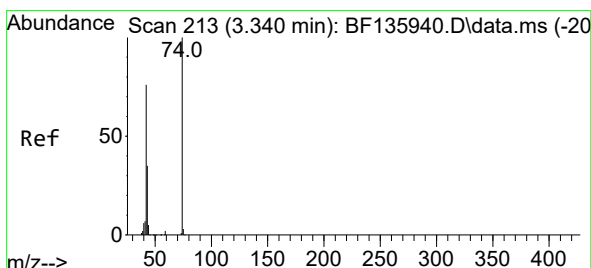
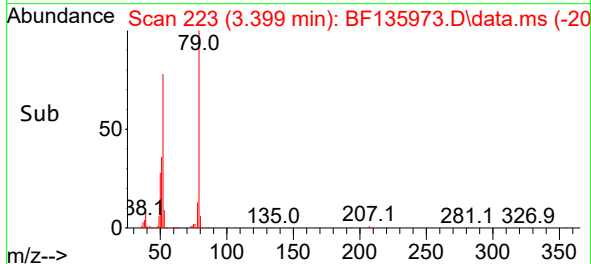
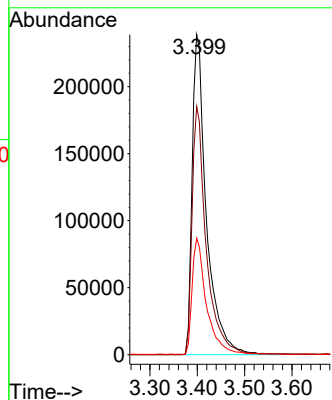
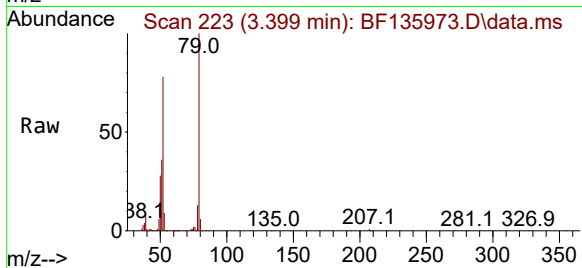
Tgt Ion: 79 Resp: 500852

Ion Ratio Lower Upper

79 100

52 77.5 62.6 93.8

51 36.4 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 43.171 ng

RT: 3.369 min Scan# 218

Delta R.T. 0.029 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

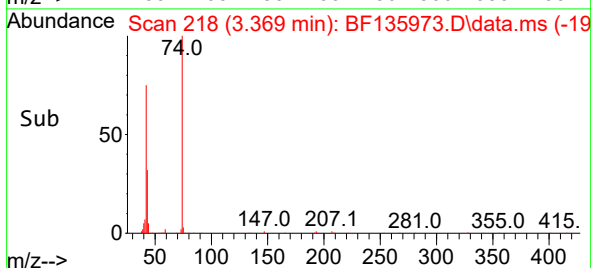
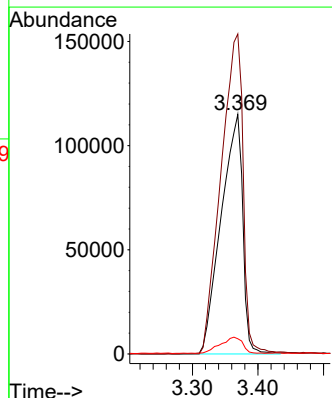
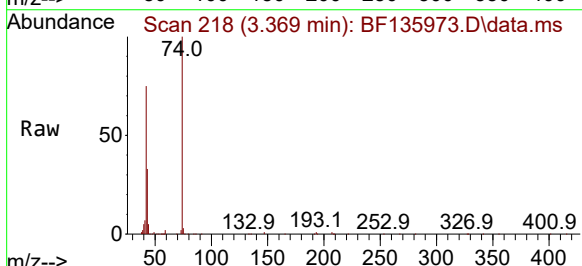
Tgt Ion: 42 Resp: 262637

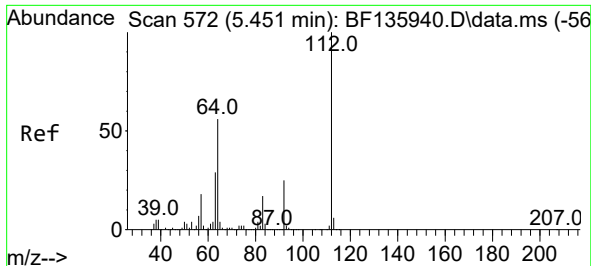
Ion Ratio Lower Upper

42 100

74 133.6 104.8 157.2

44 6.3 5.9 8.9

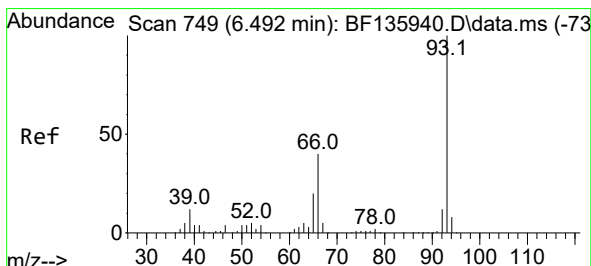
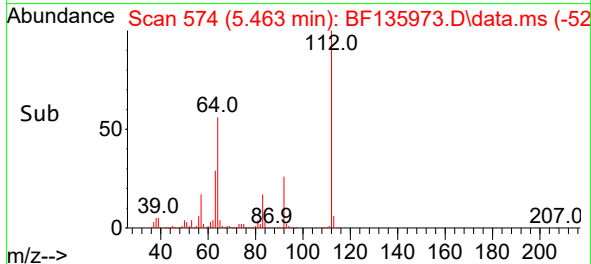
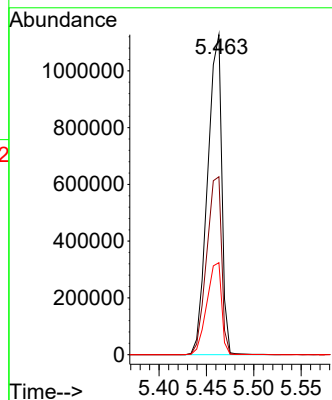
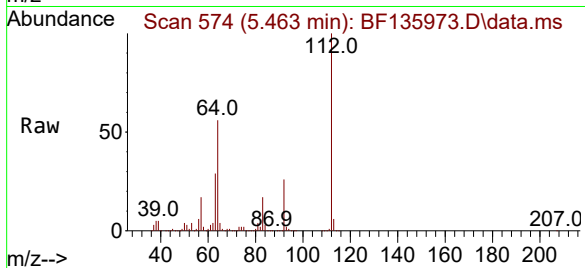




#5
2-Fluorophenol
Concen: 107.698 ng
RT: 5.463 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

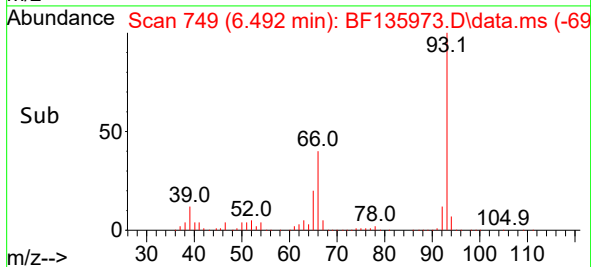
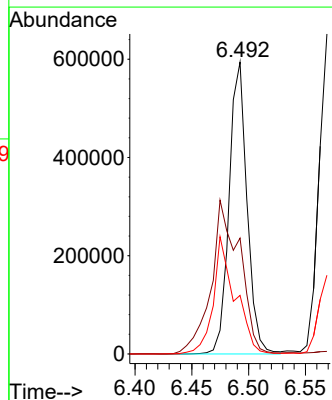
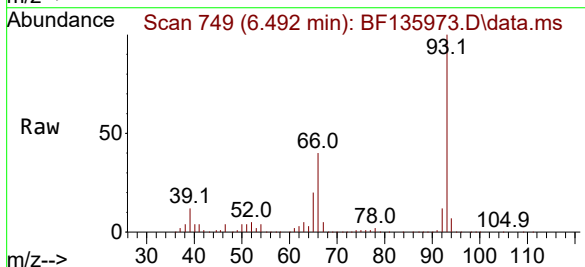
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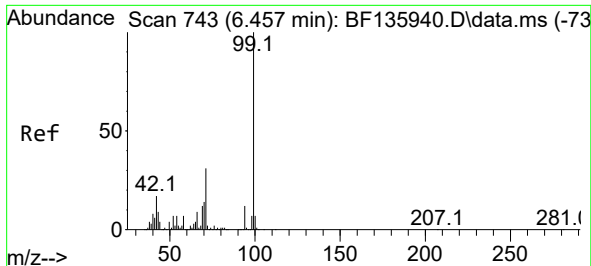
Tgt Ion:112 Resp: 1171950
Ion Ratio Lower Upper
112 100
64 55.6 45.1 67.7
63 28.8 23.0 34.4



#6
Aniline
Concen: 35.786 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 93 Resp: 652805
Ion Ratio Lower Upper
93 100
66 39.7 32.0 48.0
65 20.1 16.2 24.4

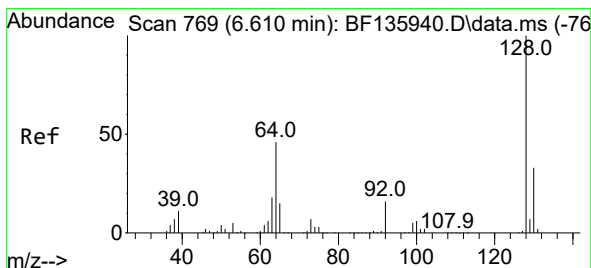
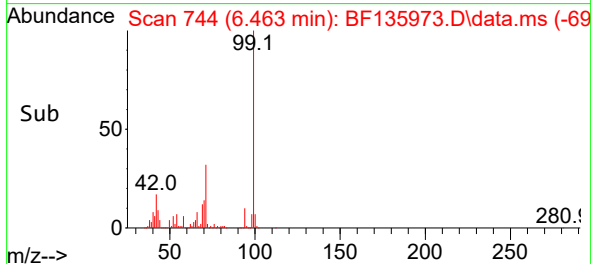
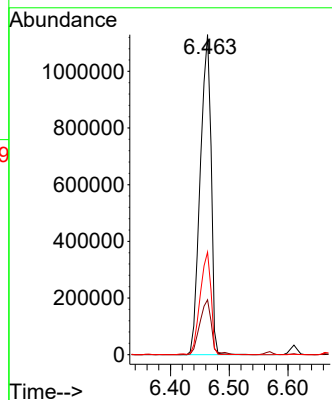
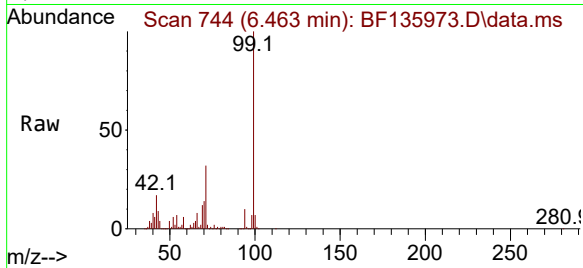




#7
Phenol-d6
Concen: 106.481 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

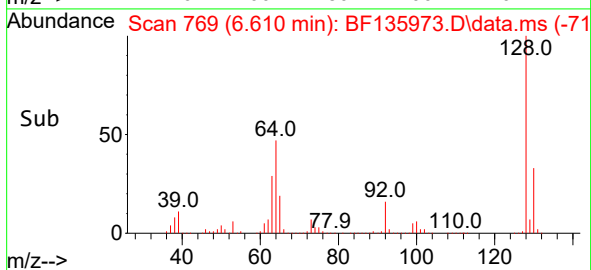
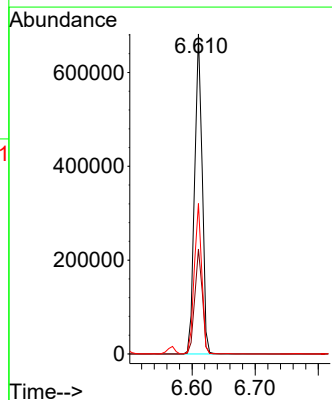
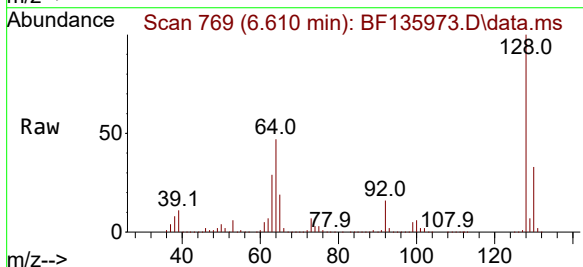
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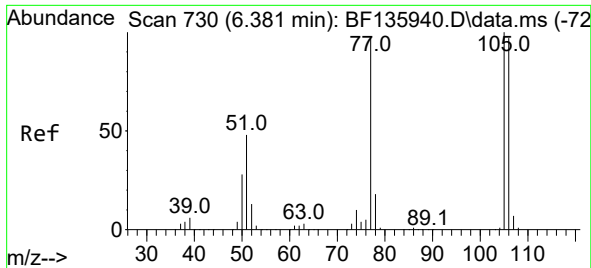
Tgt Ion: 99 Resp: 1442546
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.8
71 32.1 25.1 37.7



#8
2-Chlorophenol
Concen: 50.143 ng
RT: 6.610 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 128 Resp: 564876
Ion Ratio Lower Upper
128 100
130 32.8 13.1 53.1
64 47.0 27.0 67.0

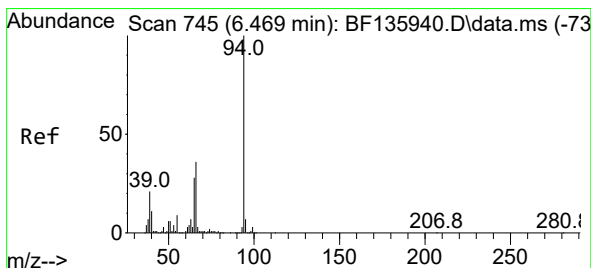
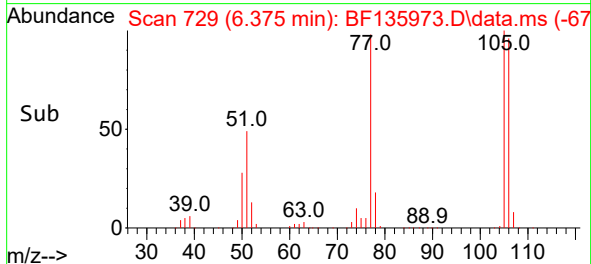
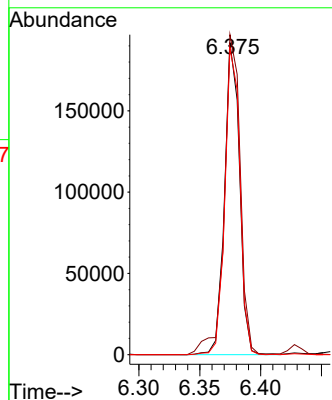
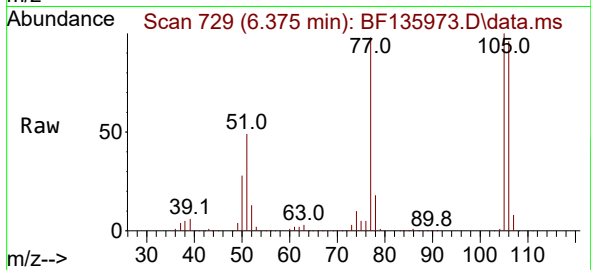




#9
Benzaldehyde
Concen: 22.377 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135973.D
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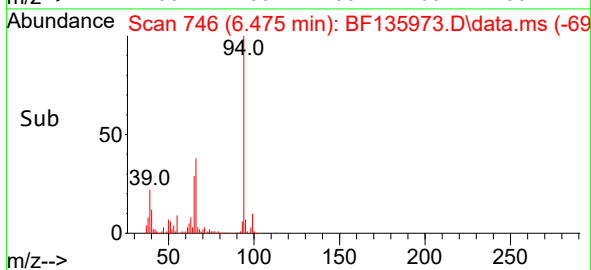
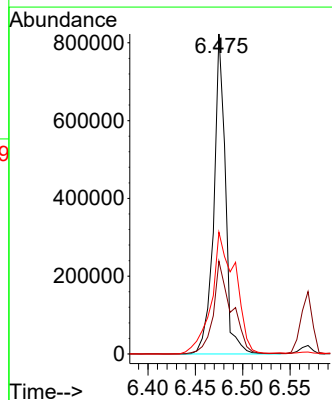
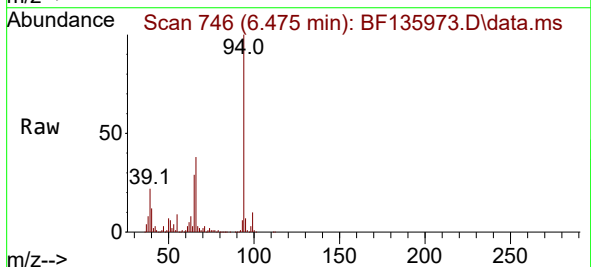
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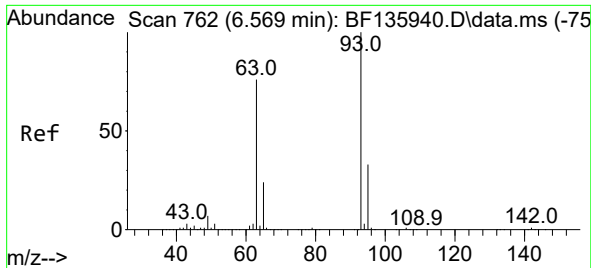
Tgt Ion: 77 Resp: 163993
Ion Ratio Lower Upper
77 100
105 102.5 83.2 123.2
106 98.3 80.0 120.0



#10
Phenol
Concen: 49.321 ng
RT: 6.475 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 94 Resp: 698525
Ion Ratio Lower Upper
94 100
65 29.0 7.8 47.8
66 38.1 16.5 56.5

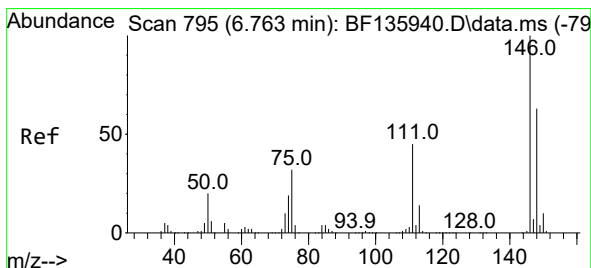
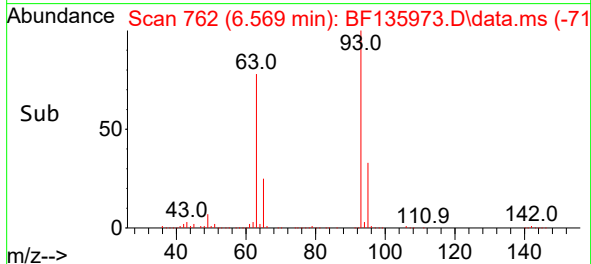
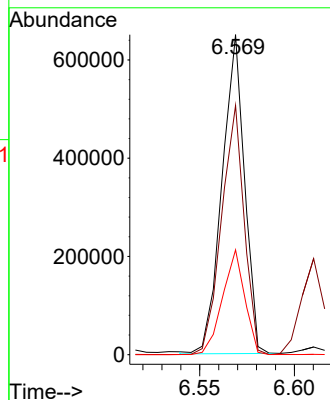
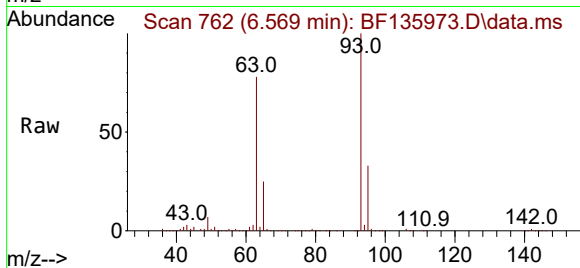




#11
bis(2-Chloroethyl)ether
Concen: 48.639 ng
RT: 6.569 min Scan# 762
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

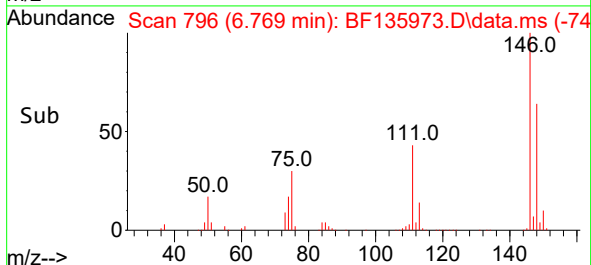
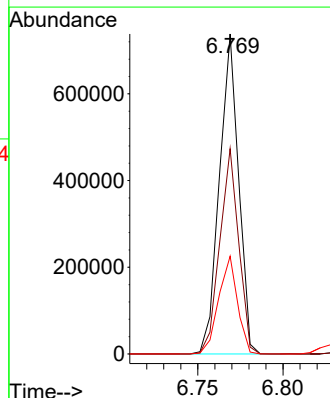
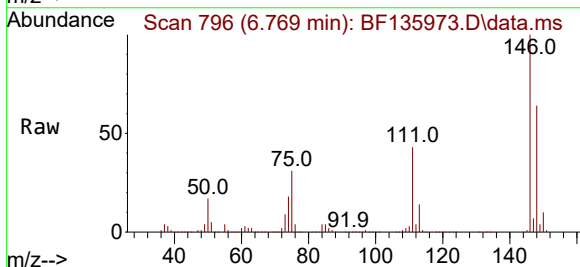
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

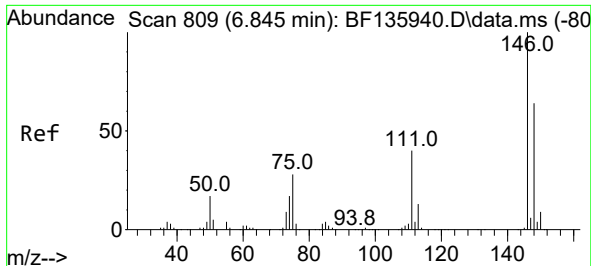
Tgt Ion: 93 Resp: 536198
Ion Ratio Lower Upper
93 100
63 77.9 56.2 96.2
95 32.8 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 48.262 ng
RT: 6.769 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 146 Resp: 577486
Ion Ratio Lower Upper
146 100
148 64.1 50.2 75.4
75 30.6 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 48.486 ng

RT: 6.845 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

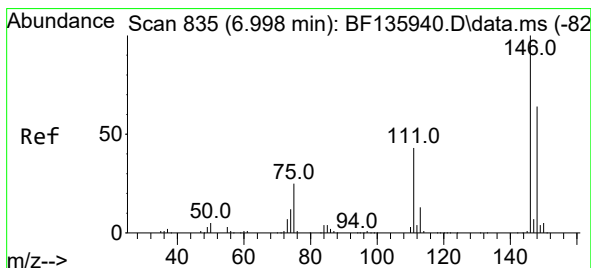
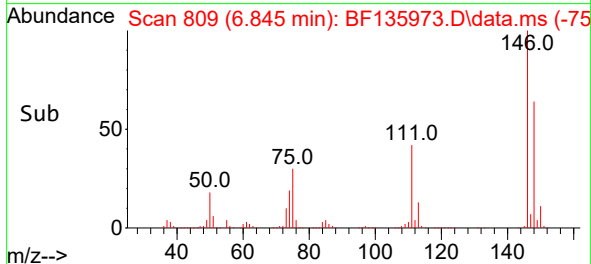
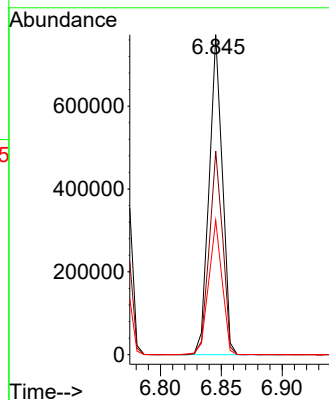
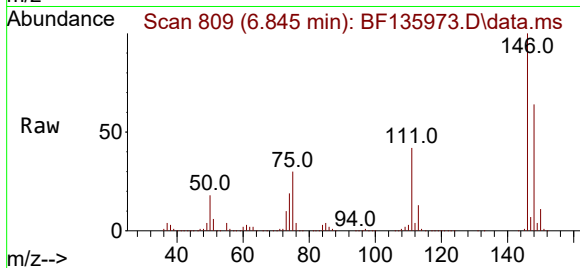
Tgt Ion:146 Resp: 582671

Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

111 42.0 31.8 47.8



#14

1,2-Dichlorobenzene

Concen: 50.222 ng

RT: 6.998 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

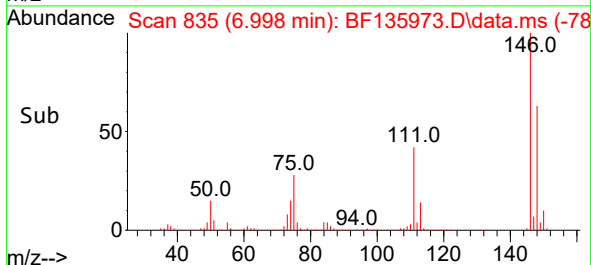
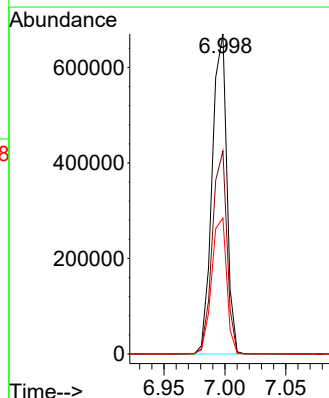
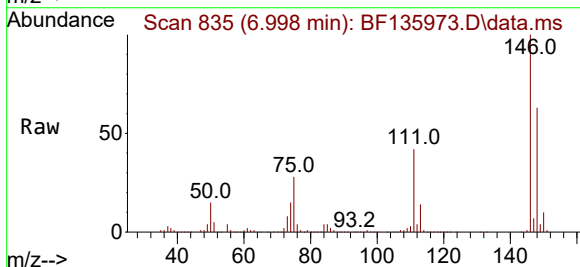
Tgt Ion:146 Resp: 560449

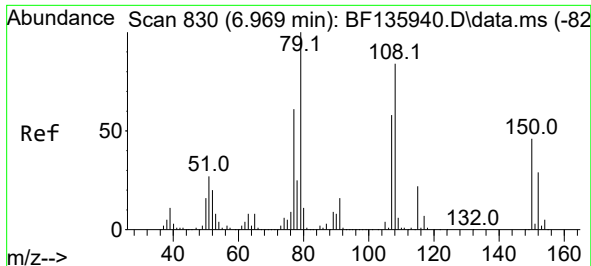
Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.0

111 42.4 34.2 51.4

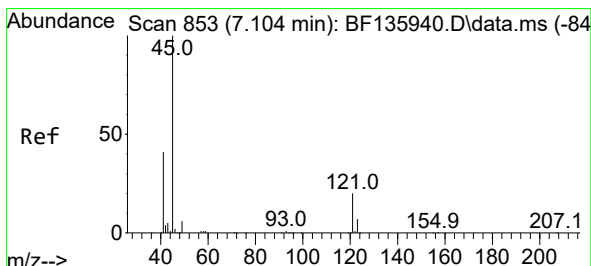
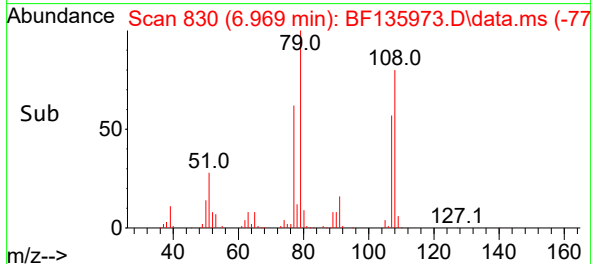
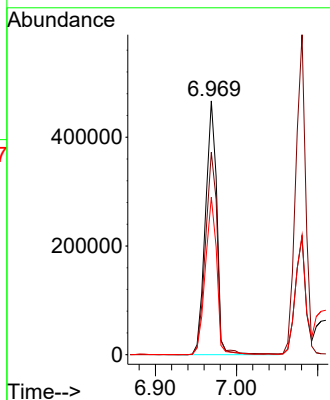
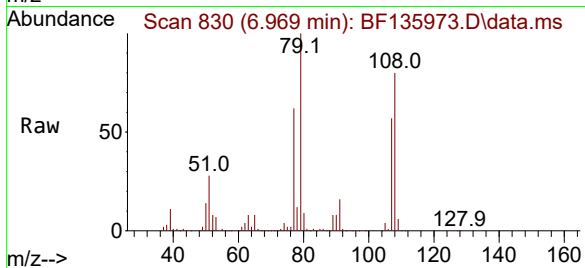




#15
Benzyl Alcohol
Concen: 47.354 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

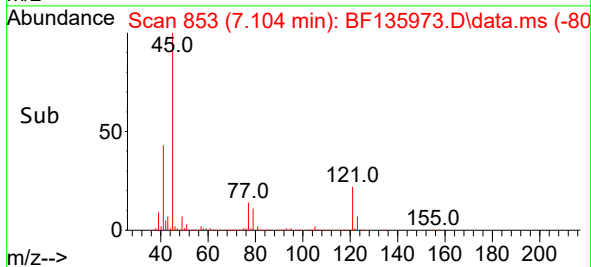
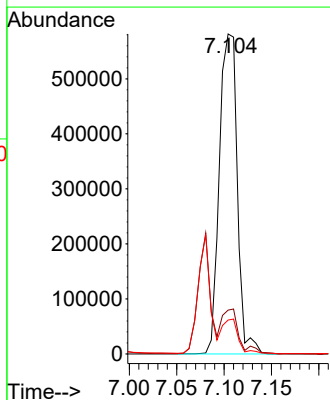
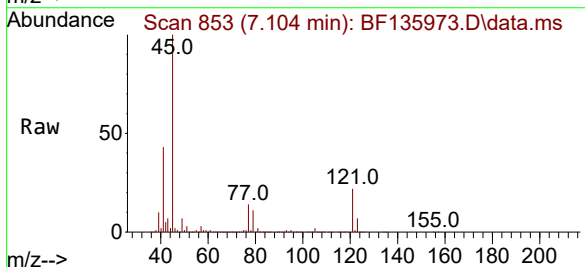
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

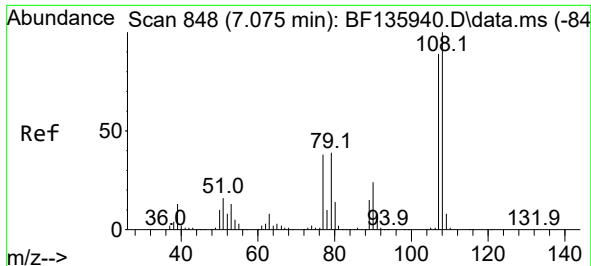
Tgt Ion: 79 Resp: 453507
Ion Ratio Lower Upper
79 100
108 79.7 67.2 100.8
77 62.1 49.0 73.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.275 ng
RT: 7.104 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 45 Resp: 767503
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.2
79 10.6 0.0 29.8



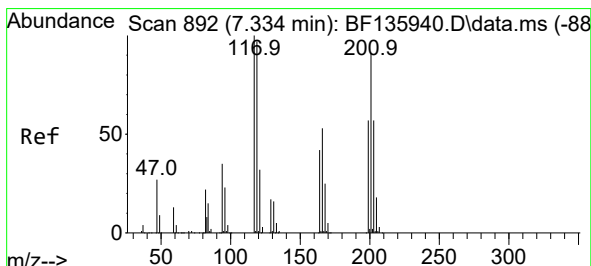
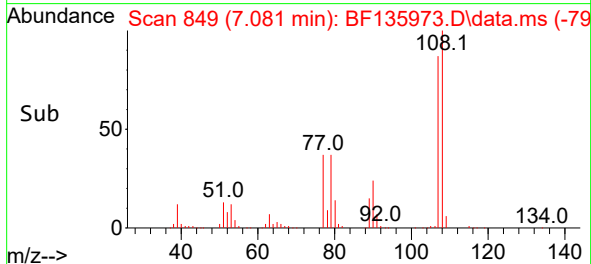
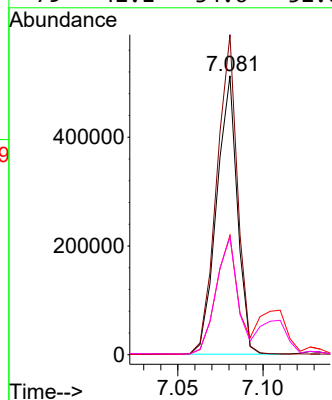
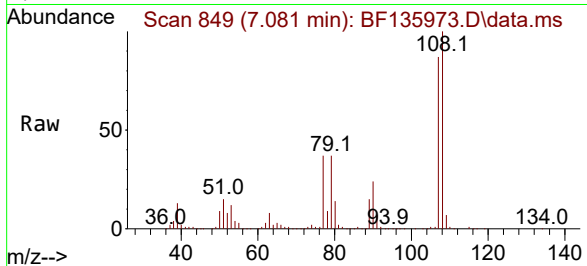


#17
2-Methylphenol
Concen: 43.729 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

Tgt Ion:107 Resp: 434171

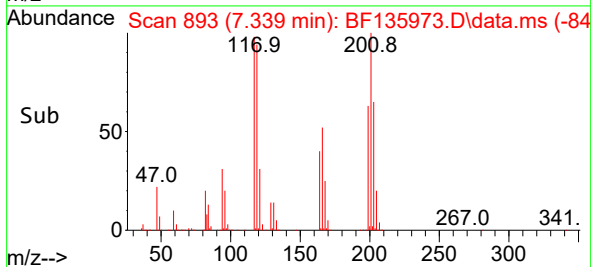
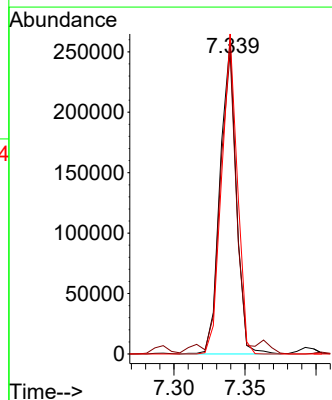
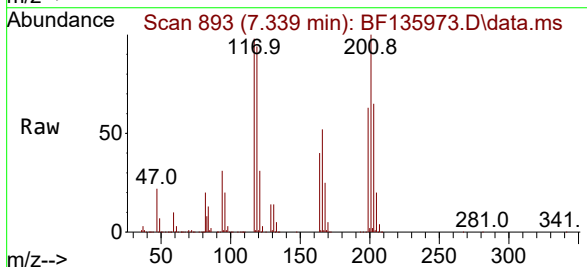
Ion	Ratio	Lower	Upper
107	100		
108	114.7	89.8	134.6
77	42.8	34.2	51.2
79	42.1	34.6	52.0

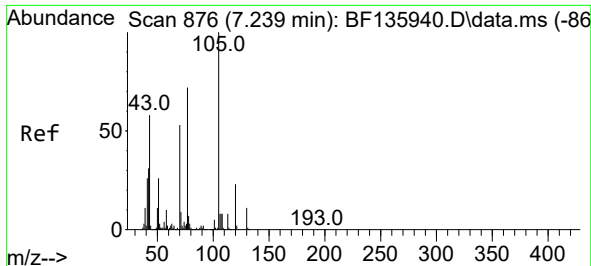


#18
Hexachloroethane
Concen: 49.951 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:117 Resp: 204116

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.3	115.9
201	102.1	72.8	109.2

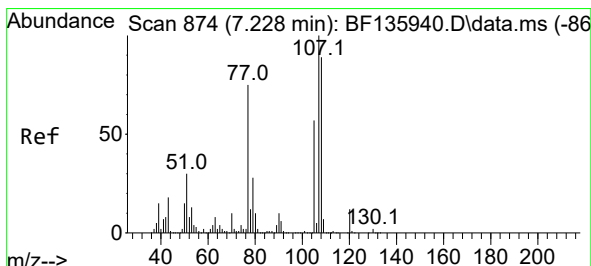
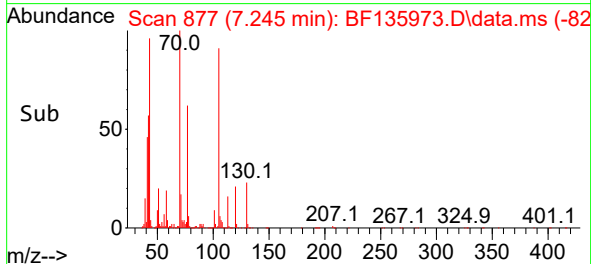
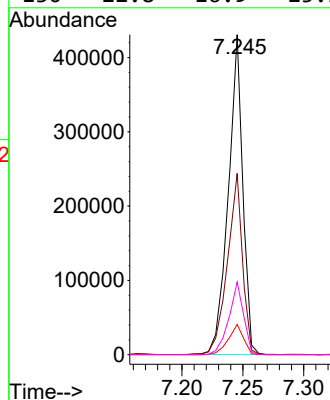
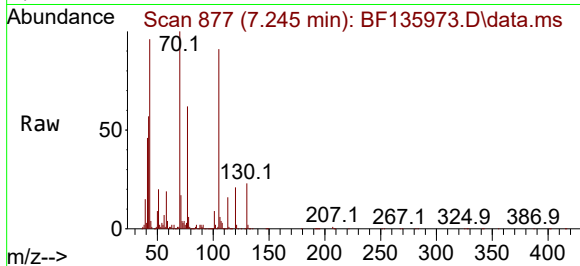




#19
n-Nitroso-di-n-propylamine
Concen: 46.441 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

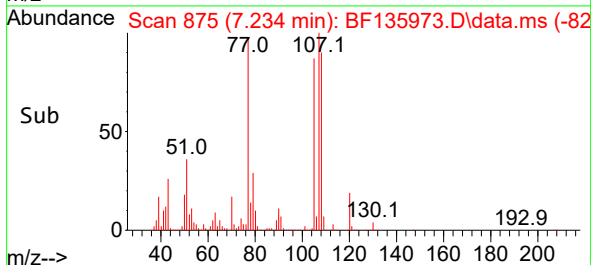
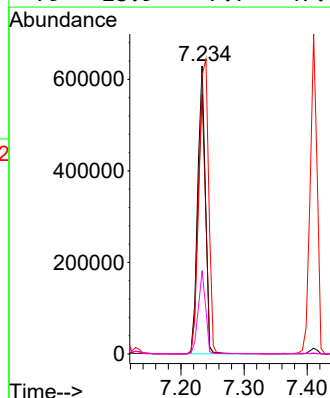
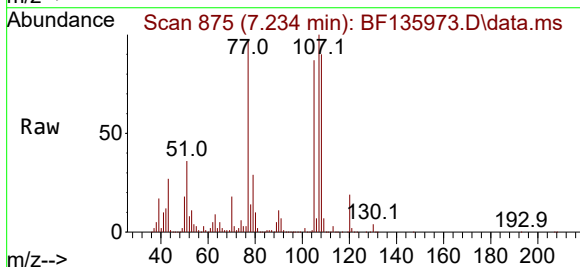
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

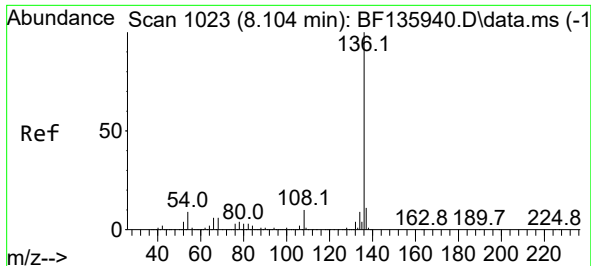
Tgt Ion: 70 Resp: 357772
Ion Ratio Lower Upper
70 100
42 56.7 47.3 70.9
101 9.5 7.8 11.8
130 22.8 16.9 25.3



#20
3+4-Methylphenols
Concen: 44.216 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 107 Resp: 529849
Ion Ratio Lower Upper
107 100
108 90.2 69.1 109.1
77 96.7 55.0 95.0#
79 28.9 7.7 47.7

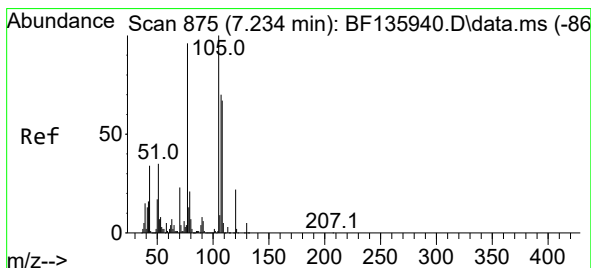
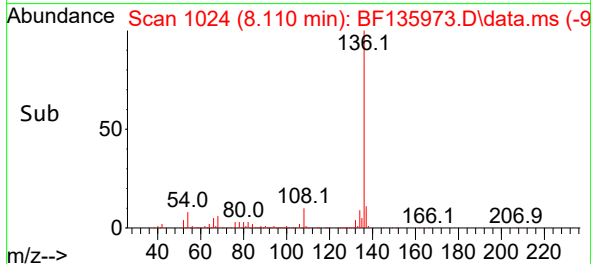
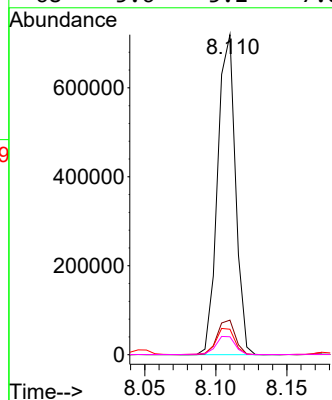
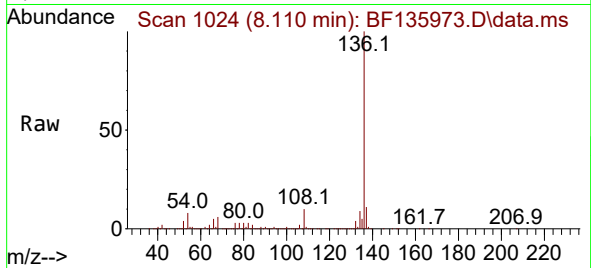




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

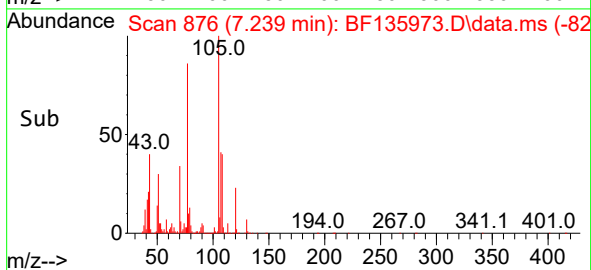
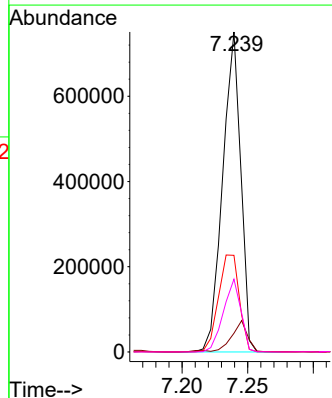
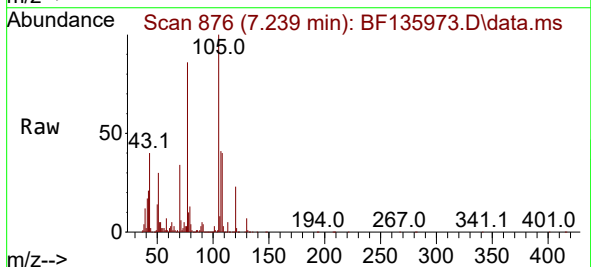
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

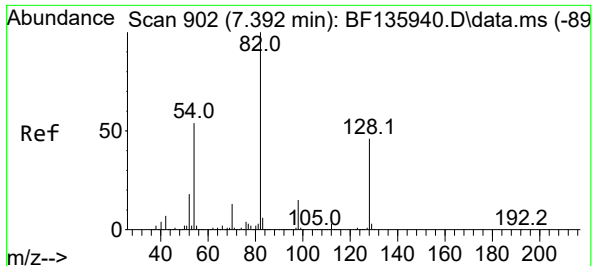
Tgt Ion:136 Resp: 629119
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.0 7.1 10.7
68 5.6 5.2 7.8



#22
Acetophenone
Concen: 50.467 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:105 Resp: 717101
Ion Ratio Lower Upper
105 100
71 5.9 3.4 5.2#
51 30.2 28.4 42.6
120 22.8 17.8 26.6





#23

Nitrobenzene-d5

Concen: 83.991 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

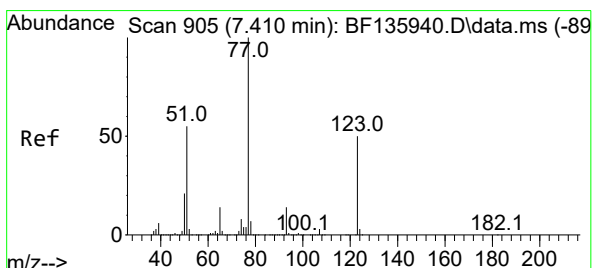
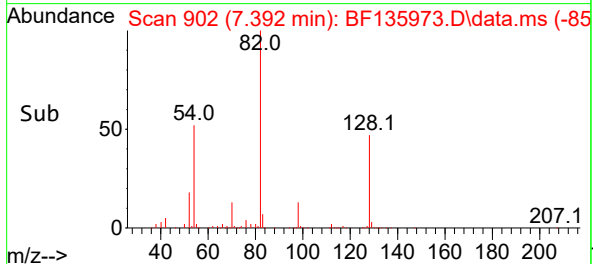
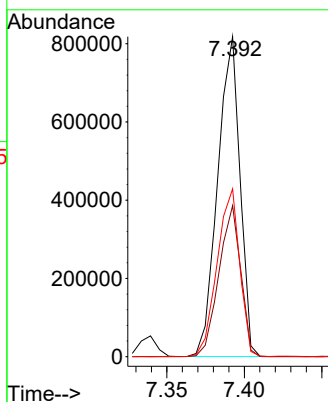
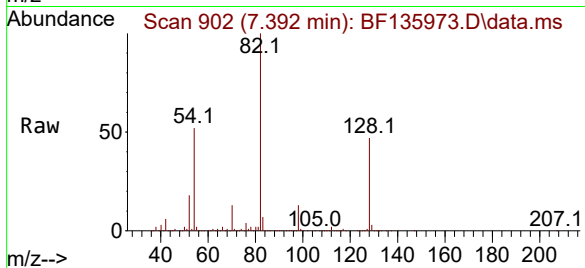
Tgt Ion: 82 Resp: 816976

Ion Ratio Lower Upper

82 100

128 47.2 36.8 55.2

54 52.5 43.4 65.0



#24

Nitrobenzene

Concen: 50.533 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

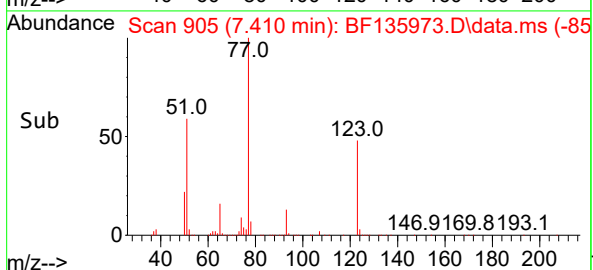
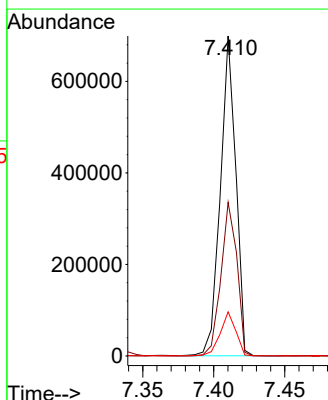
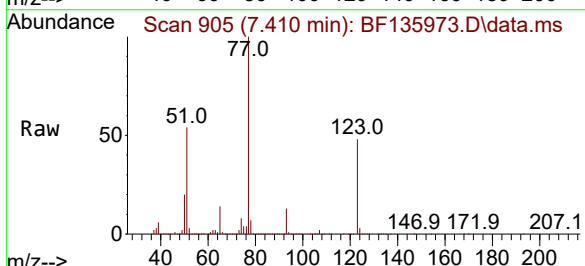
Tgt Ion: 77 Resp: 527980

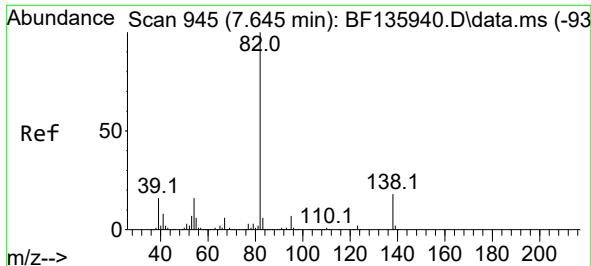
Ion Ratio Lower Upper

77 100

123 48.0 40.2 60.2

65 13.8 11.0 16.4

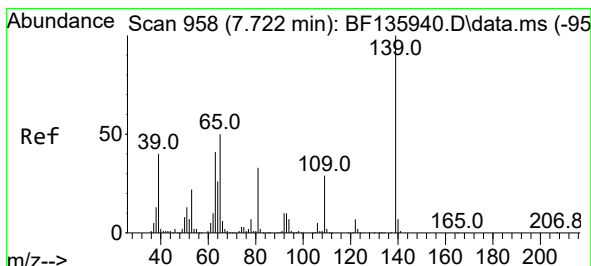
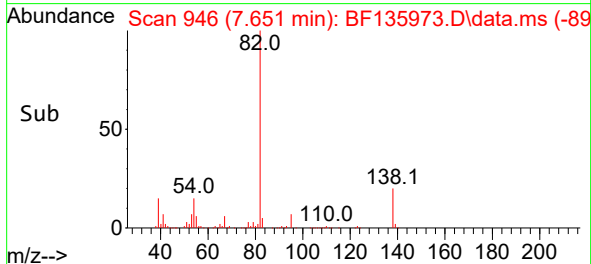
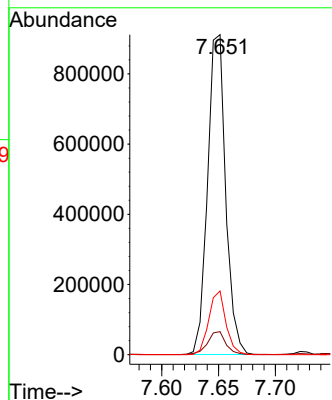
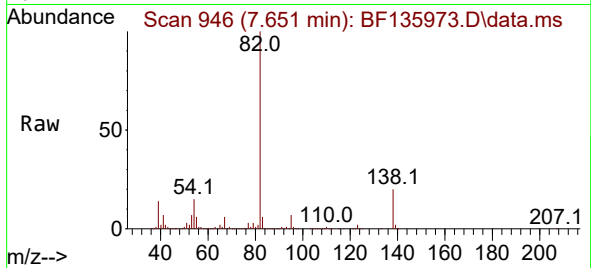




#25
Isophorone
Concen: 50.792 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

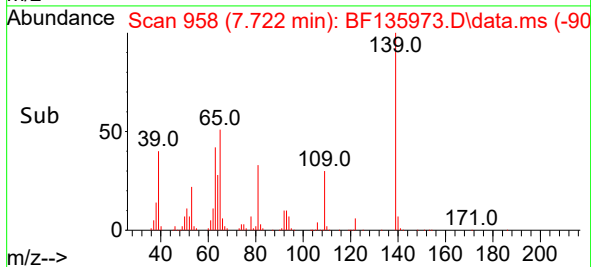
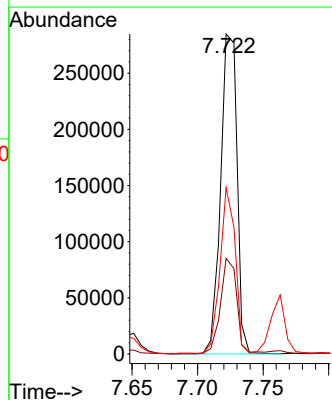
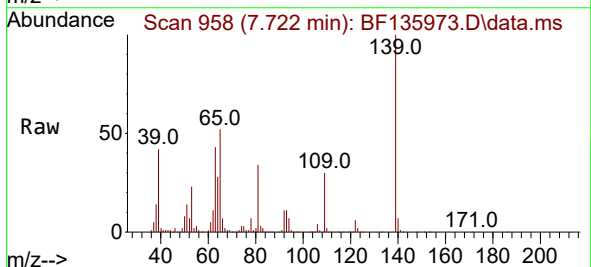
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

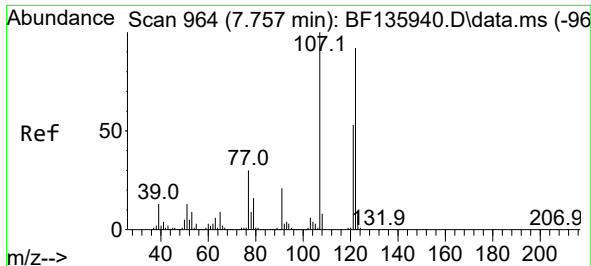
Tgt Ion: 82 Resp: 1010049
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 19.9 14.8 22.2



#26
2-Nitrophenol
Concen: 60.177 ng
RT: 7.722 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 139 Resp: 247219
Ion Ratio Lower Upper
139 100
109 29.9 23.1 34.7
65 52.0 39.8 59.8

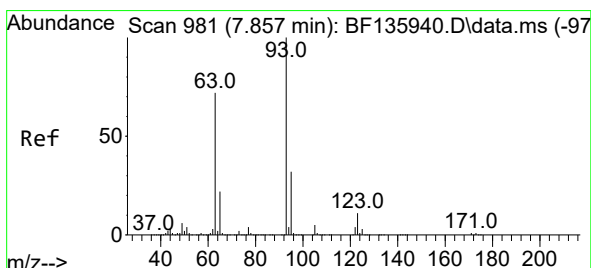
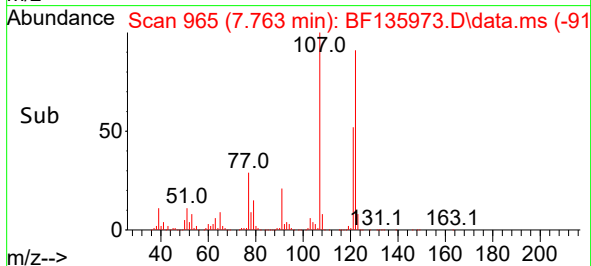
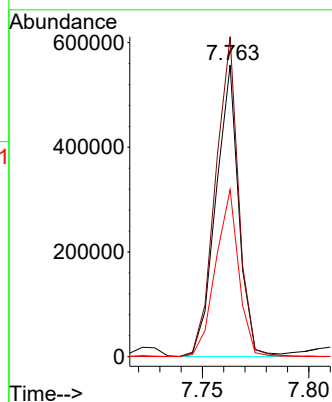
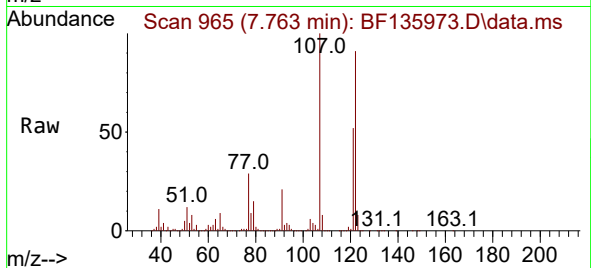




#27
2,4-Dimethylphenol
Concen: 45.903 ng
RT: 7.763 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

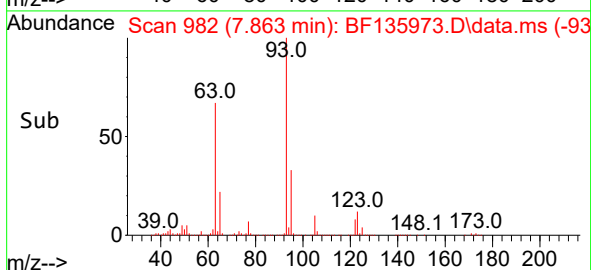
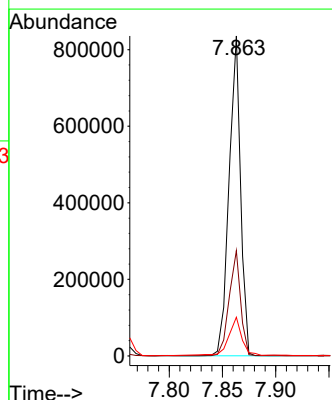
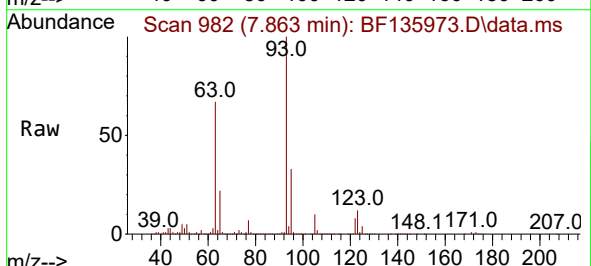
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

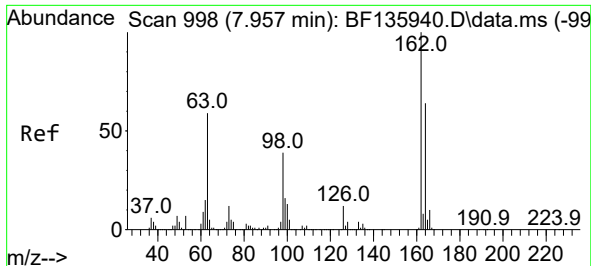
Tgt Ion:122 Resp: 416029
Ion Ratio Lower Upper
122 100
107 109.8 87.1 130.7
121 57.3 45.9 68.9



#28
bis(2-Chloroethoxy)methane
Concen: 51.283 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion: 93 Resp: 626235
Ion Ratio Lower Upper
93 100
95 32.9 25.9 38.9
123 12.1 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 52.878 ng

RT: 7.963 min Scan# 99

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

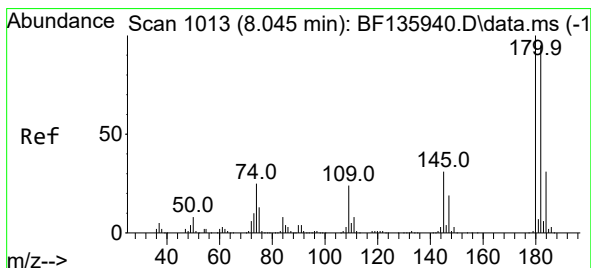
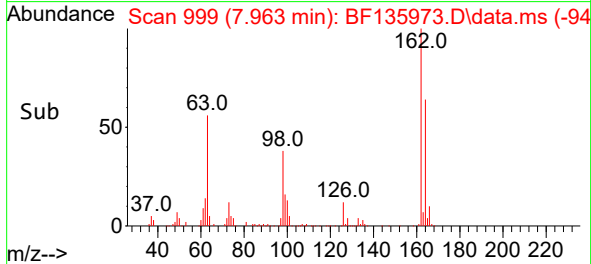
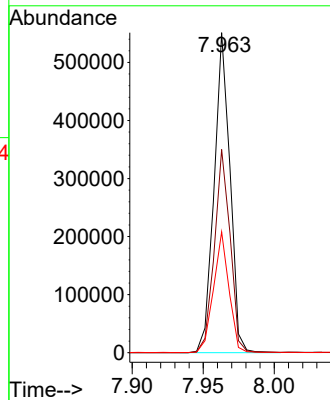
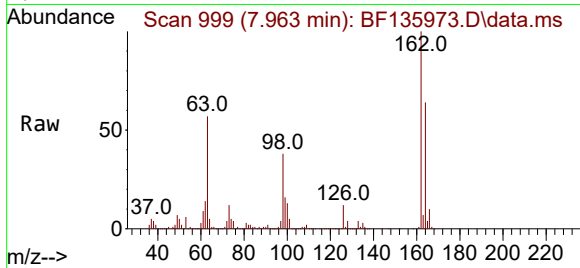
Tgt Ion:162 Resp: 429152

Ion Ratio Lower Upper

162 100

164 63.5 43.7 83.7

98 37.7 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 51.499 ng

RT: 8.051 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

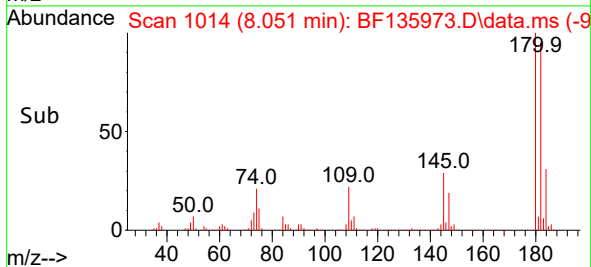
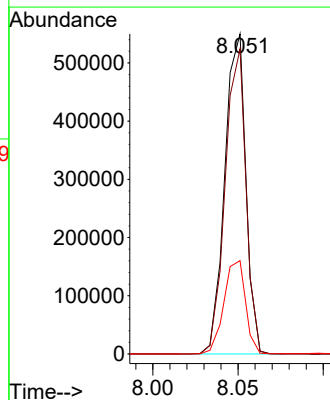
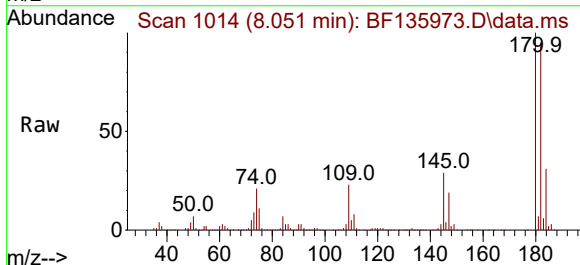
Tgt Ion:180 Resp: 473228

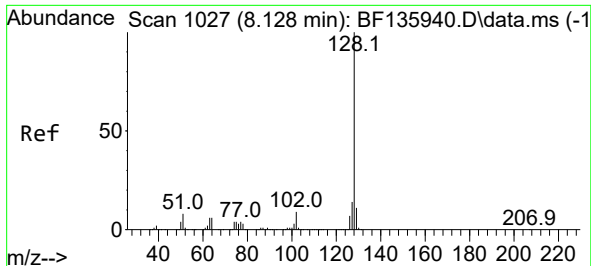
Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

145 29.2 24.6 36.8

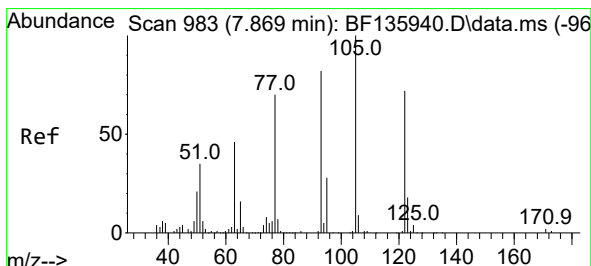
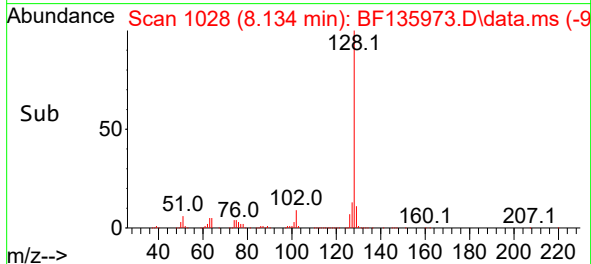
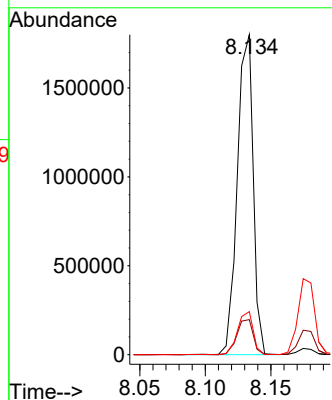
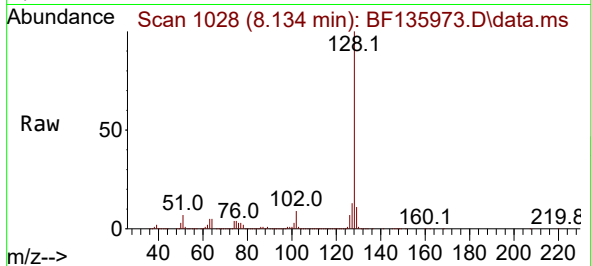




#31
Naphthalene
Concen: 49.929 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

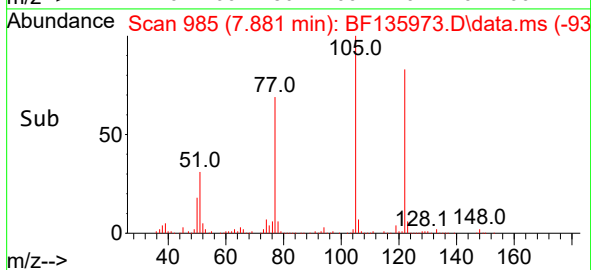
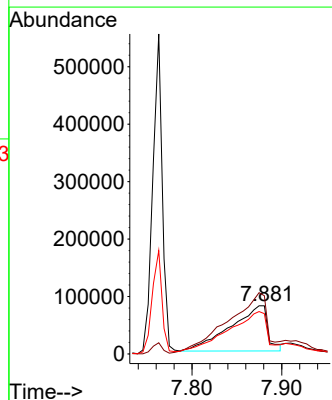
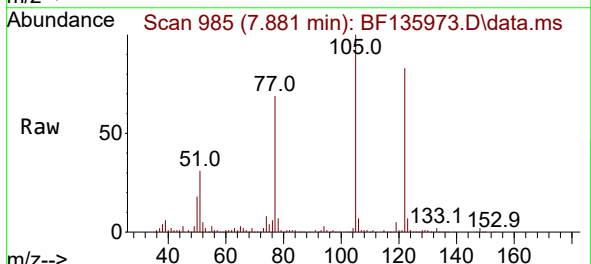
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

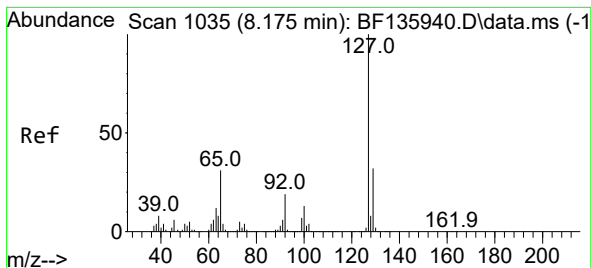
Tgt Ion:128 Resp: 1518660
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.9 16.3



#32
Benzoic acid
Concen: 50.888 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:122 Resp: 229196
Ion Ratio Lower Upper
122 100
105 120.9 113.1 153.1
77 83.8 75.2 115.2





#33

4-Chloroaniline

Concen: 28.410 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

Tgt Ion:127 Resp: 381927

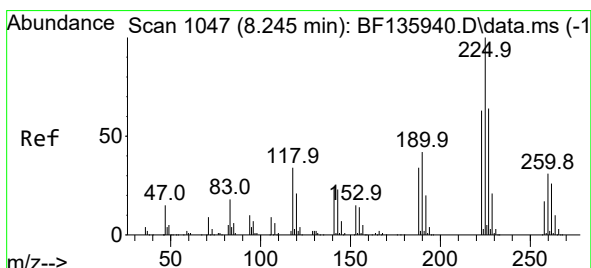
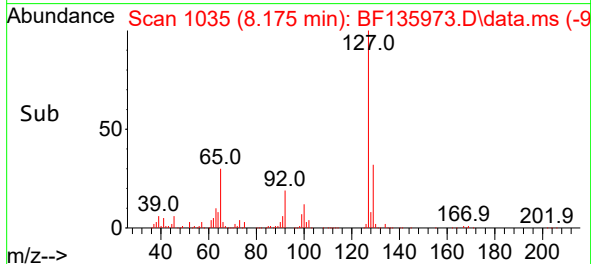
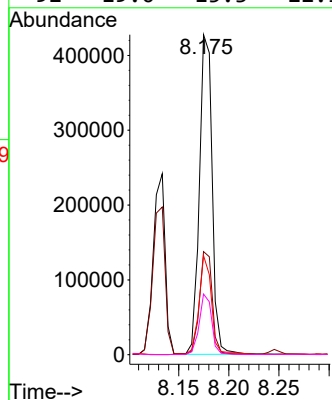
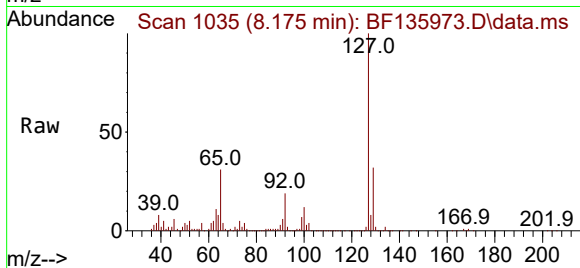
Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 31.0 24.8 37.2

92 19.0 15.3 22.9



#34

Hexachlorobutadiene

Concen: 52.330 ng

RT: 8.245 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

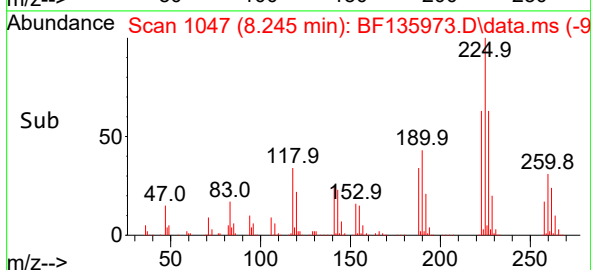
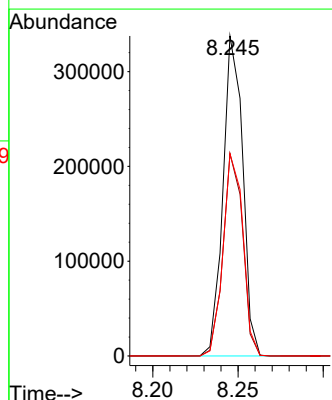
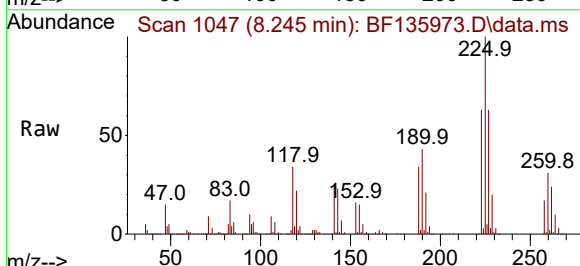
Tgt Ion:225 Resp: 271035

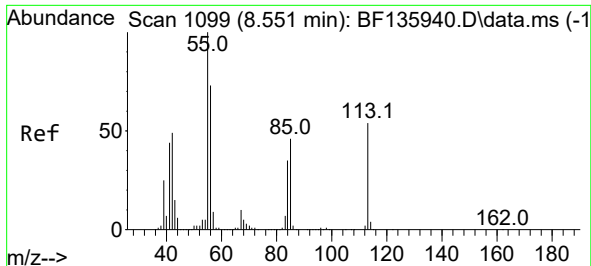
Ion Ratio Lower Upper

225 100

223 63.2 50.6 75.8

227 63.1 50.9 76.3

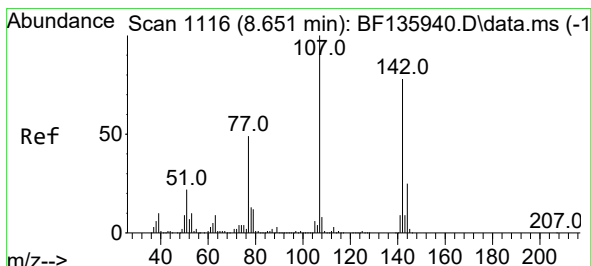
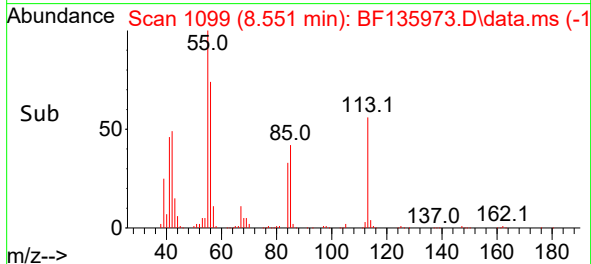
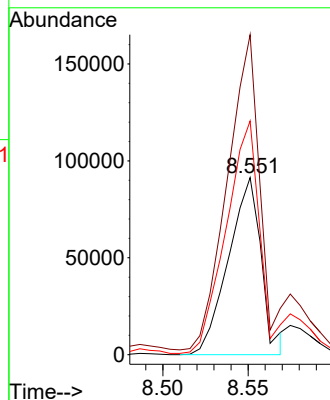
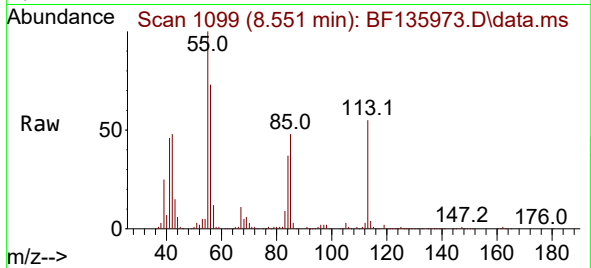




#35
 Caprolactam
 Concen: 45.078 ng
 RT: 8.551 min Scan# 1099
 Delta R.T. 0.000 min
 Lab File: BF135973.D
 Acq: 26 Oct 2023 20:24

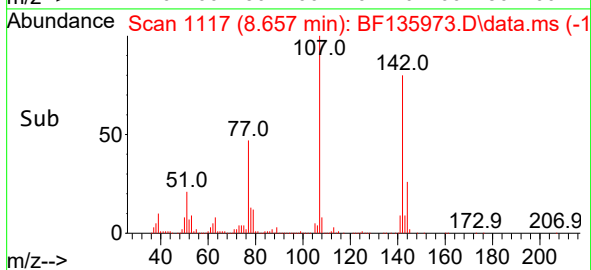
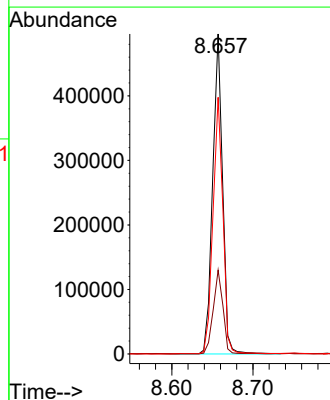
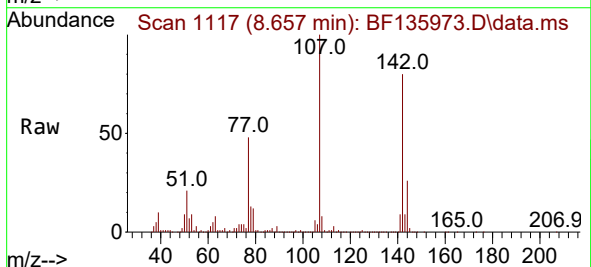
Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4MSD

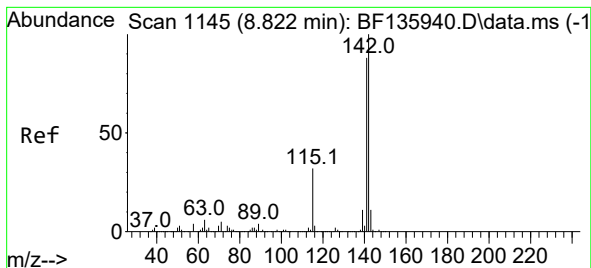
Tgt Ion:113 Resp: 121746
 Ion Ratio Lower Upper
 113 100
 55 180.6 165.4 205.4
 56 131.9 115.2 155.2



#36
 4-Chloro-3-methylphenol
 Concen: 48.612 ng
 RT: 8.657 min Scan# 1117
 Delta R.T. 0.006 min
 Lab File: BF135973.D
 Acq: 26 Oct 2023 20:24

Tgt Ion:107 Resp: 419272
 Ion Ratio Lower Upper
 107 100
 144 26.2 19.9 29.9
 142 80.2 62.8 94.2





#37

2-Methylnaphthalene

Concen: 45.678 ng

RT: 8.822 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

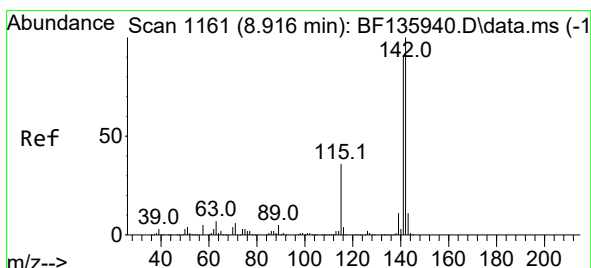
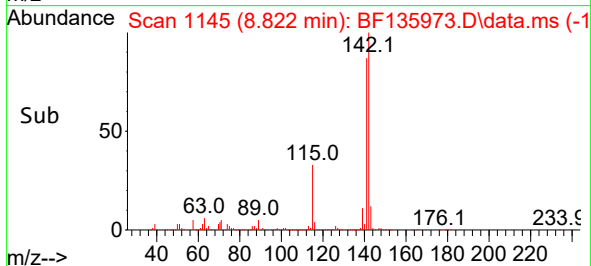
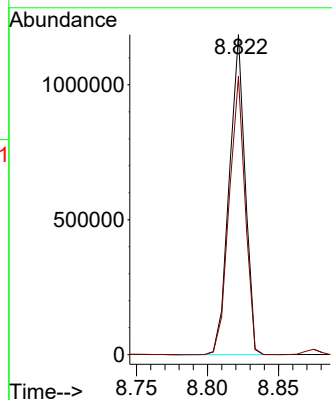
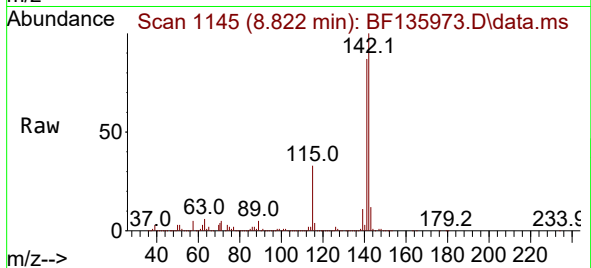
MMFB-4MSD

Tgt Ion:142 Resp: 919241

Ion Ratio Lower Upper

142 100

141 87.0 70.4 105.6



#38

1-Methylnaphthalene

Concen: 46.920 ng

RT: 8.922 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF135973.D

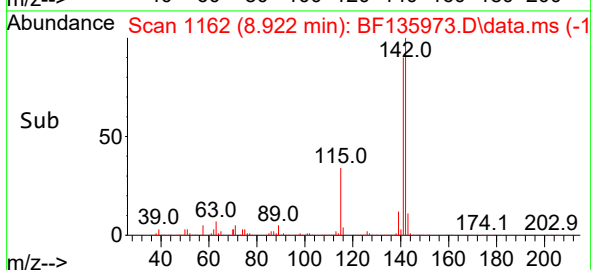
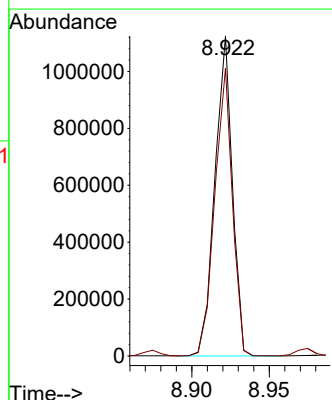
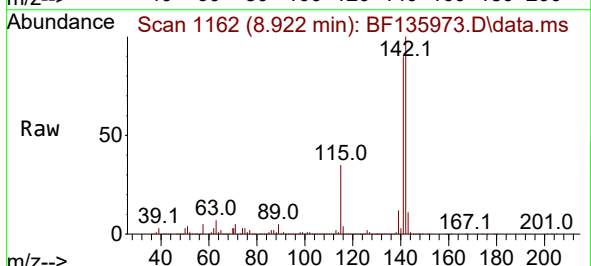
Acq: 26 Oct 2023 20:24

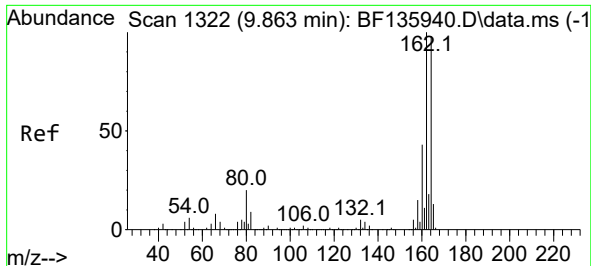
Tgt Ion:142 Resp: 882310

Ion Ratio Lower Upper

142 100

141 89.9 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

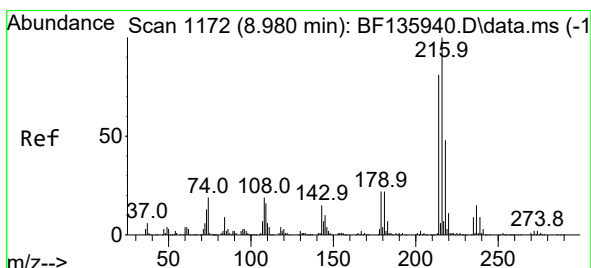
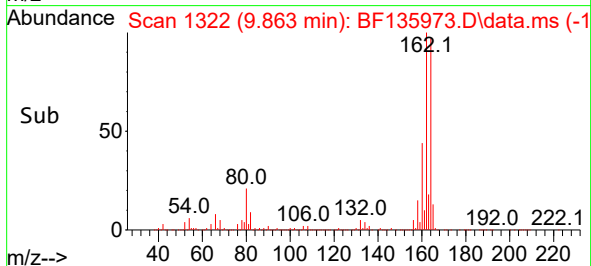
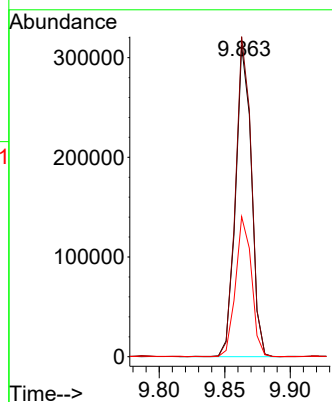
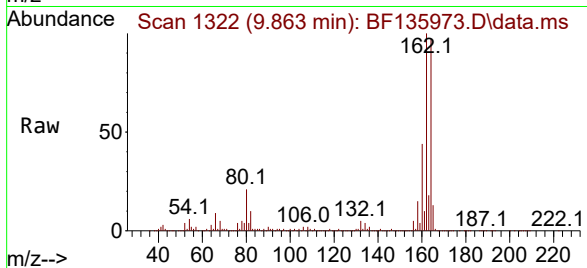
Tgt Ion:164 Resp: 262482

Ion Ratio Lower Upper

164 100

162 102.9 82.0 123.0

160 45.0 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.146 ng

RT: 8.986 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Tgt Ion:216 Resp: 423656

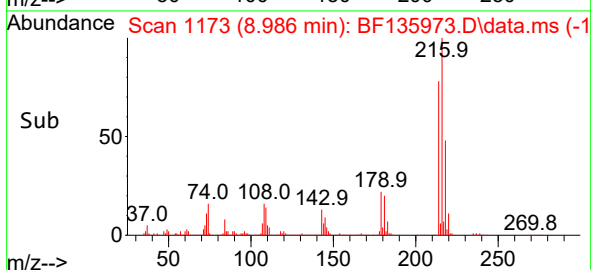
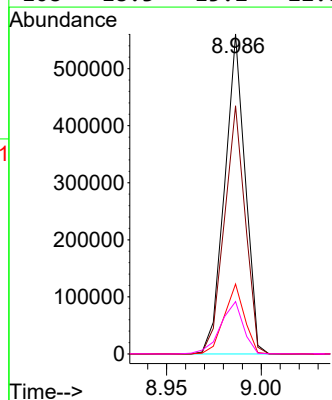
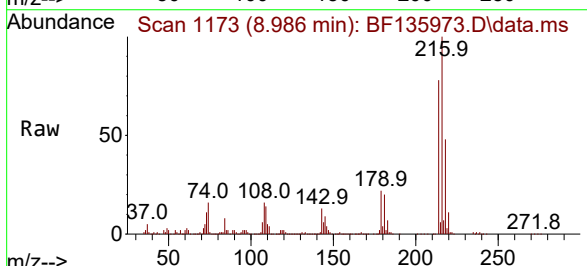
Ion Ratio Lower Upper

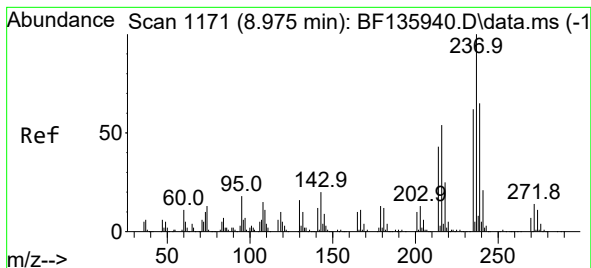
216 100

214 78.4 63.3 94.9

179 21.7 17.3 25.9

108 18.3 15.2 22.8





#41

Hexachlorocyclopentadiene

Concen: 46.354 ng

RT: 8.975 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

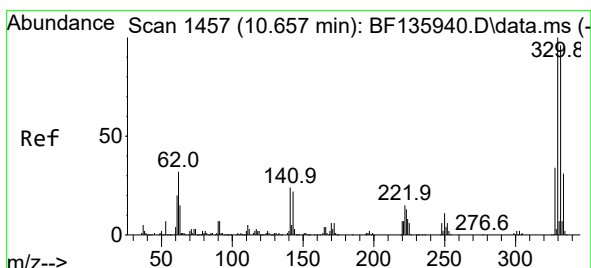
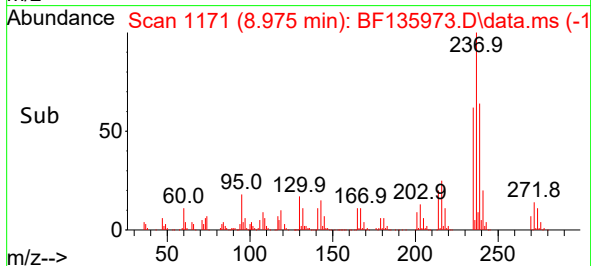
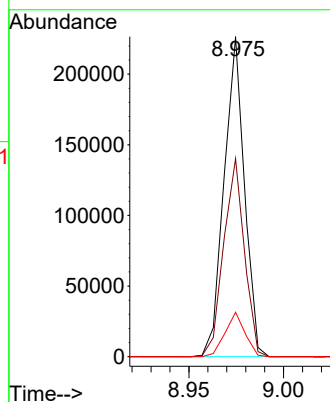
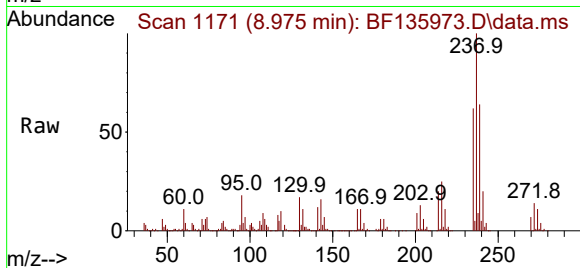
Tgt Ion:237 Resp: 169446

Ion Ratio Lower Upper

237 100

235 61.9 41.7 81.7

272 13.9 0.0 33.6



#42

2,4,6-Tribromophenol

Concen: 113.932 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

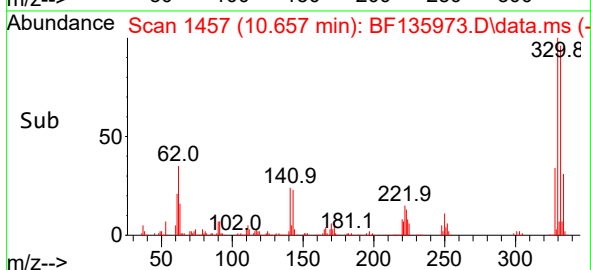
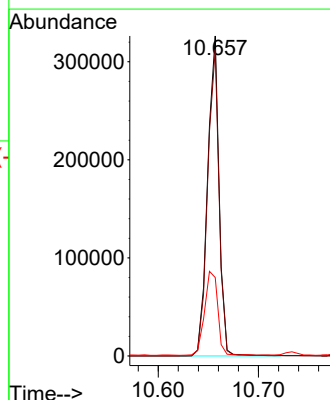
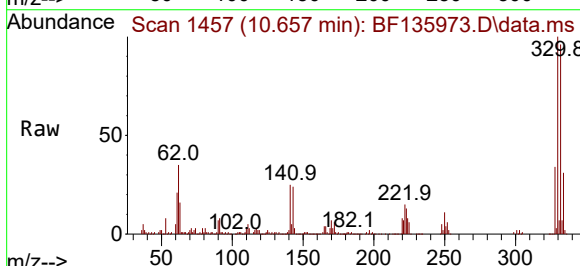
Tgt Ion:330 Resp: 261758

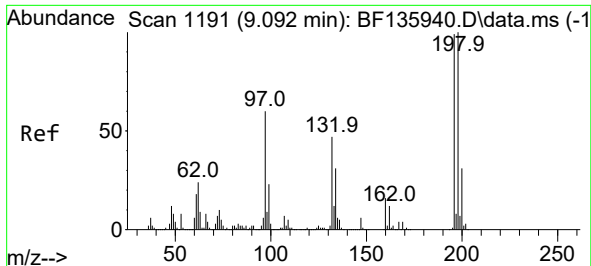
Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

141 29.9 24.9 37.3

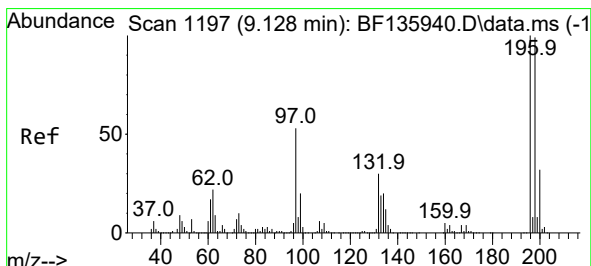
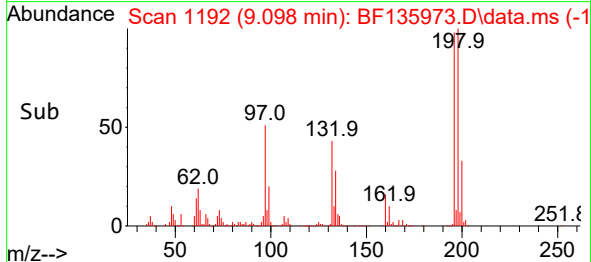
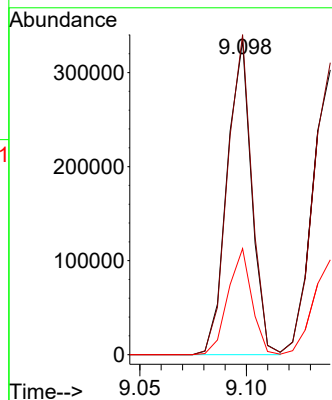
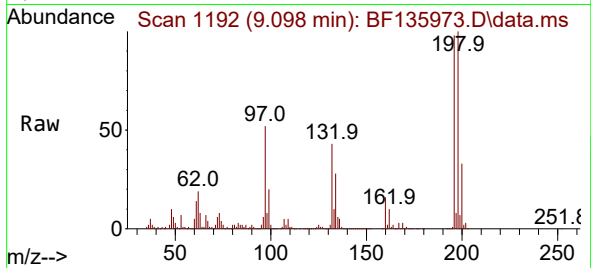




#43
2,4,6-Trichlorophenol
Concen: 61.844 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

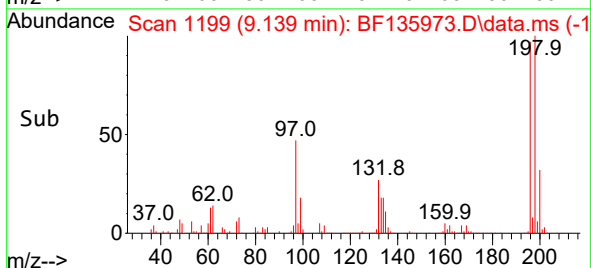
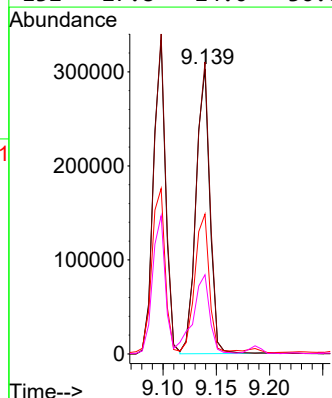
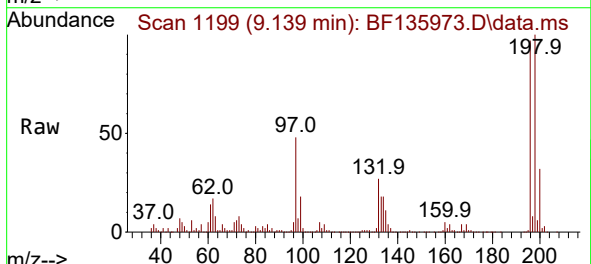
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

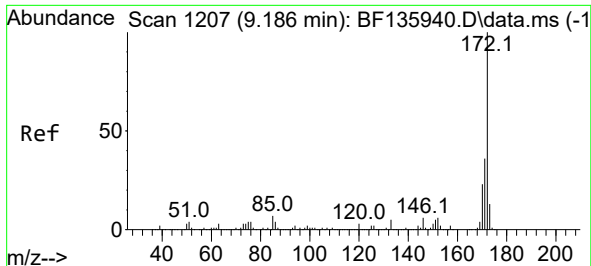
Tgt Ion:196 Resp: 268344
Ion Ratio Lower Upper
196 100
198 101.9 81.0 121.4
200 33.8 25.4 38.0



#44
2,4,5-Trichlorophenol
Concen: 53.415 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.012 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:196 Resp: 275185
Ion Ratio Lower Upper
196 100
198 102.6 79.1 118.7
97 49.1 42.3 63.5
132 27.8 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 87.262 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

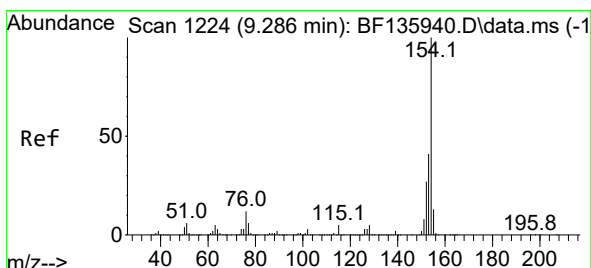
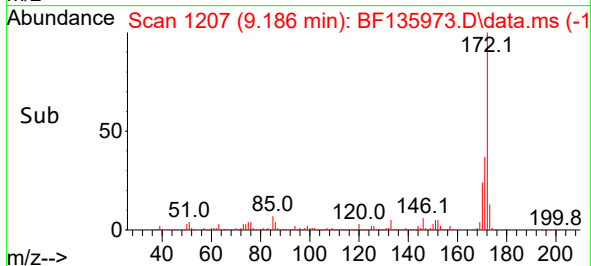
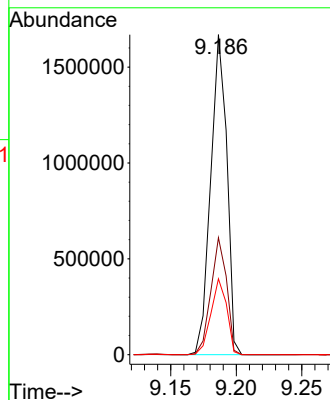
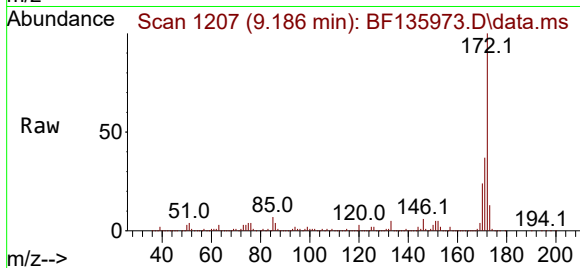
Tgt Ion:172 Resp: 1430421

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

170 23.7 18.6 28.0



#46

1,1'-Biphenyl

Concen: 55.682 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

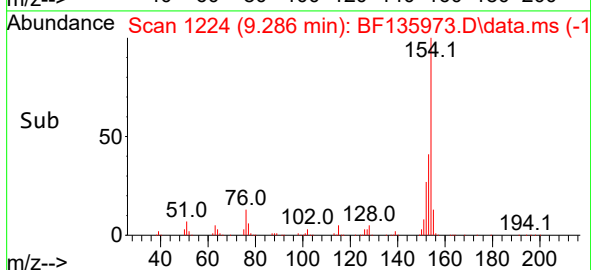
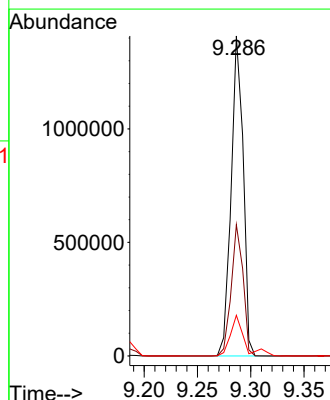
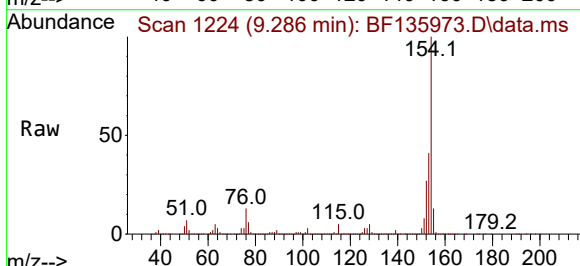
Tgt Ion:154 Resp: 1107461

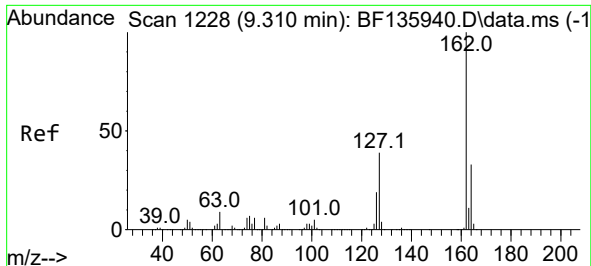
Ion Ratio Lower Upper

154 100

153 41.0 20.7 60.7

76 12.7 0.0 32.4





#47

2-Chloronaphthalene

Concen: 55.113 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

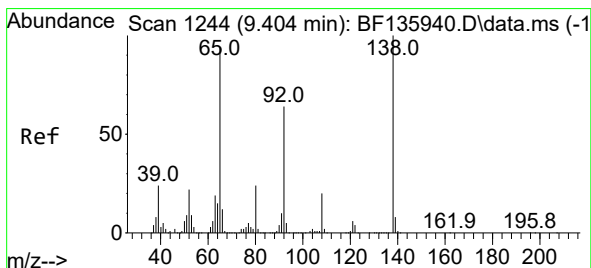
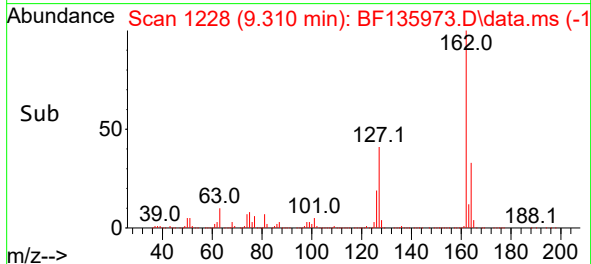
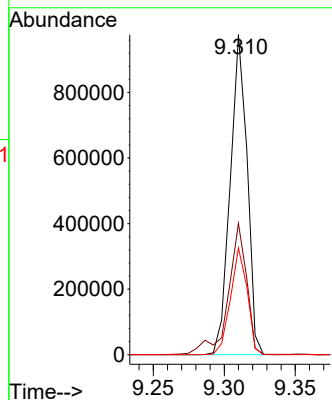
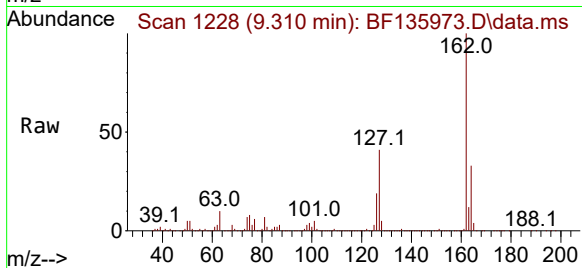
Tgt Ion:162 Resp: 810783

Ion Ratio Lower Upper

162 100

127 41.0 31.0 46.4

164 33.4 26.6 39.8



#48

2-Nitroaniline

Concen: 55.635 ng

RT: 9.404 min Scan# 1244

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

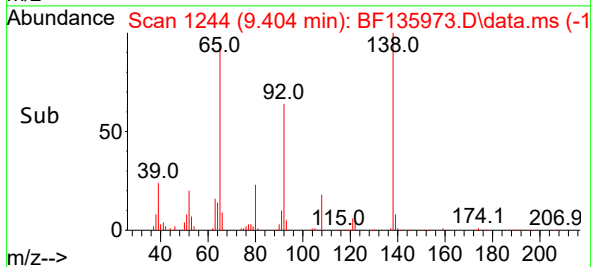
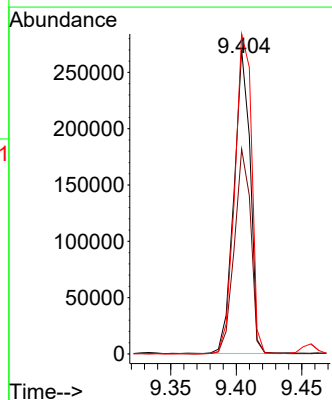
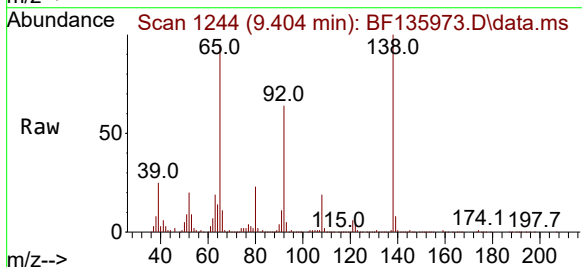
Tgt Ion: 65 Resp: 231871

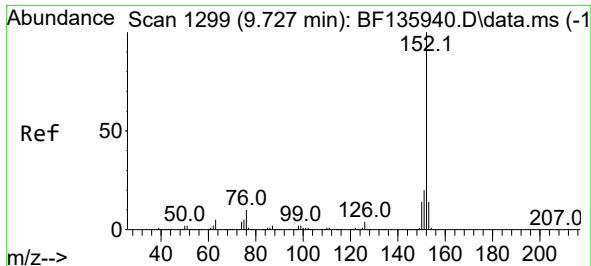
Ion Ratio Lower Upper

65 100

92 67.4 54.9 82.3

138 105.2 85.2 127.8

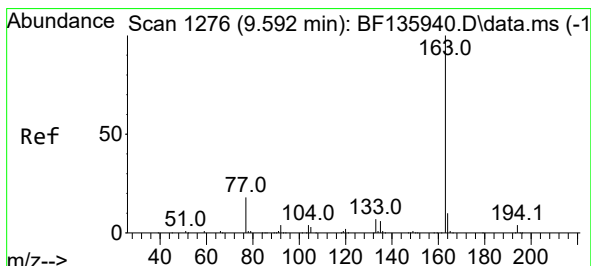
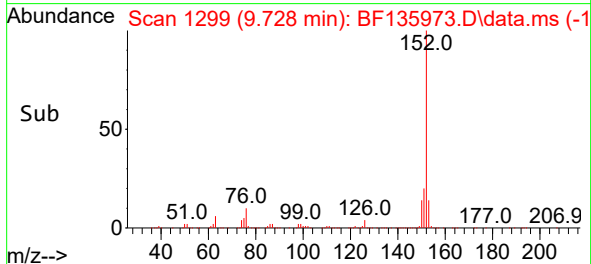
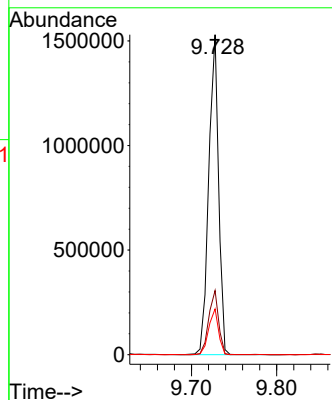
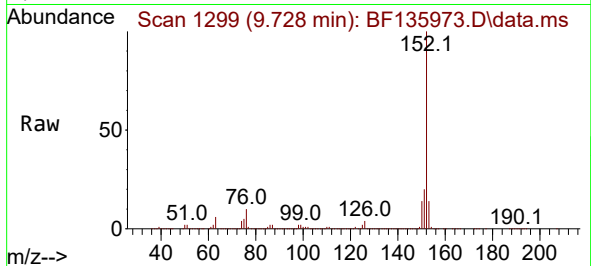




#49
Acenaphthylene
Concen: 52.819 ng
RT: 9.728 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

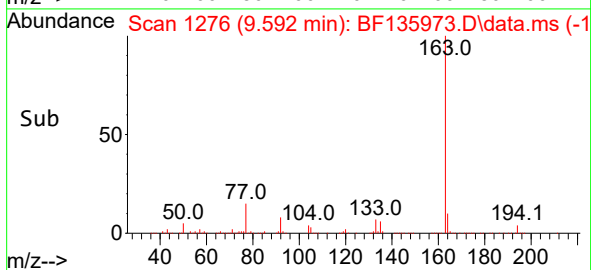
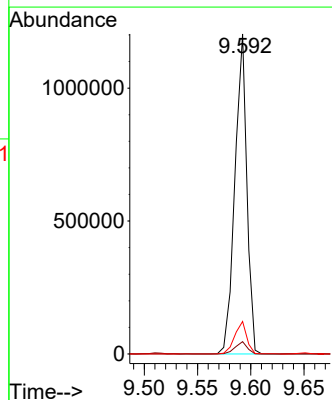
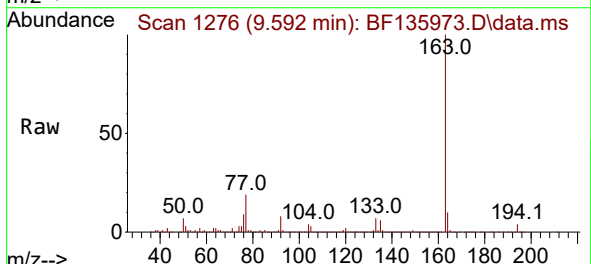
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

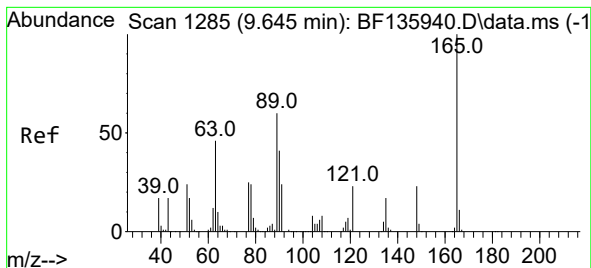
Tgt Ion:152 Resp: 1225845
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 14.3 11.0 16.6



#50
Dimethylphthalate
Concen: 55.286 ng
RT: 9.592 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:163 Resp: 941077
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.1 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 53.790 ng

RT: 9.651 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

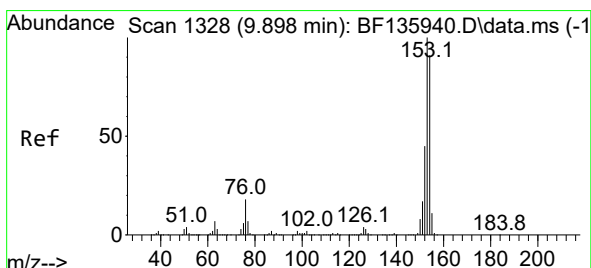
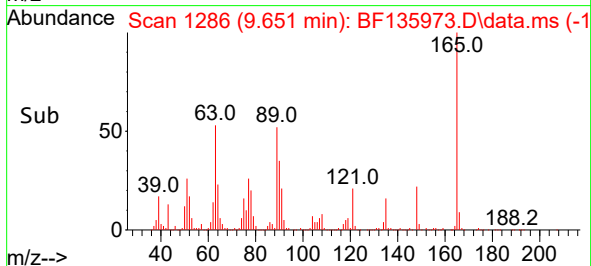
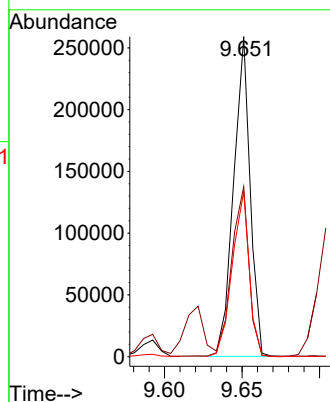
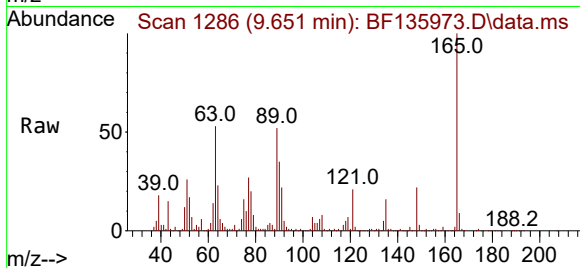
Tgt Ion:165 Resp: 192121

Ion Ratio Lower Upper

165 100

63 53.2 51.7 77.5

89 51.6 48.3 72.5



#52

Acenaphthene

Concen: 51.394 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

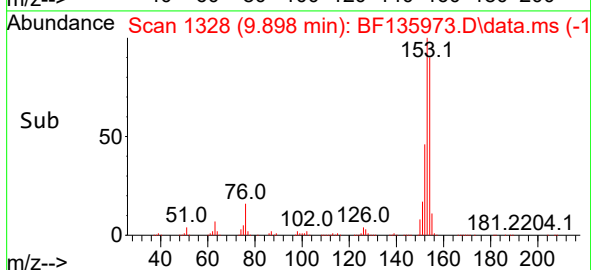
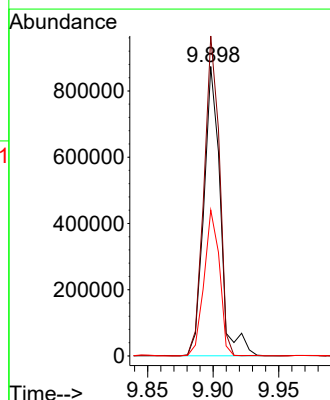
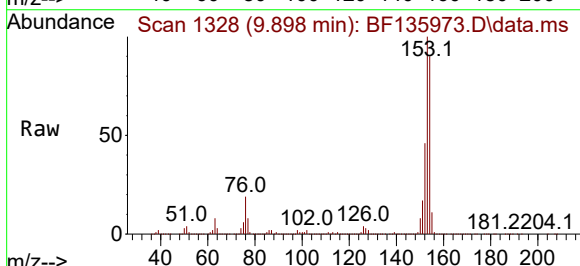
Tgt Ion:154 Resp: 764412

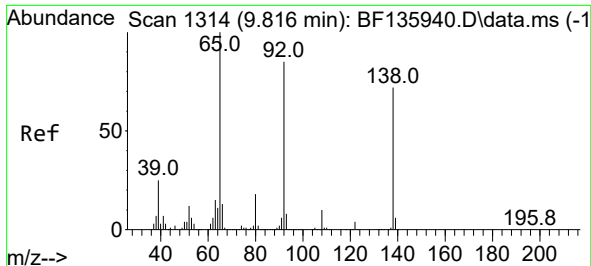
Ion Ratio Lower Upper

154 100

153 110.5 88.0 132.0

152 50.4 39.4 59.2

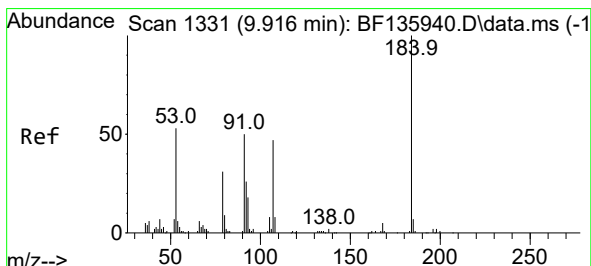
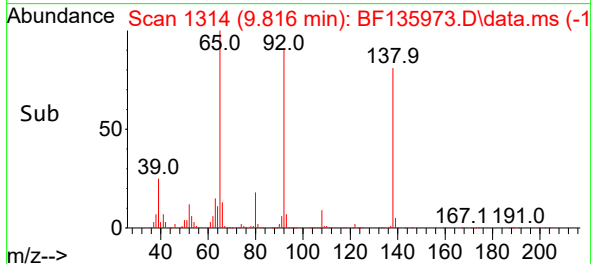
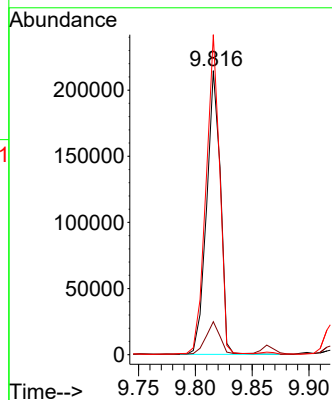
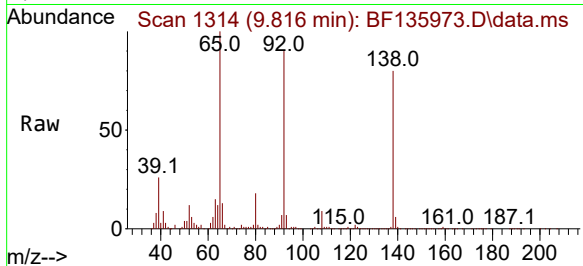




#53
3-Nitroaniline
Concen: 43.268 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

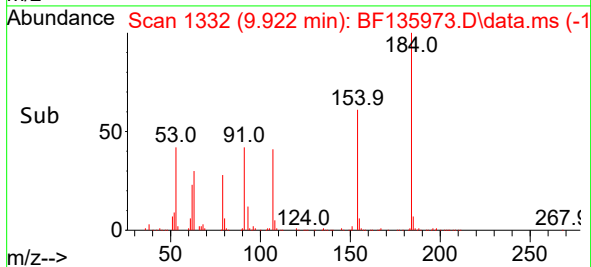
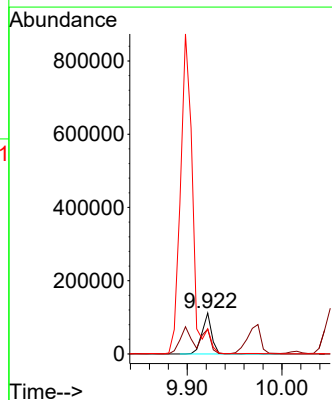
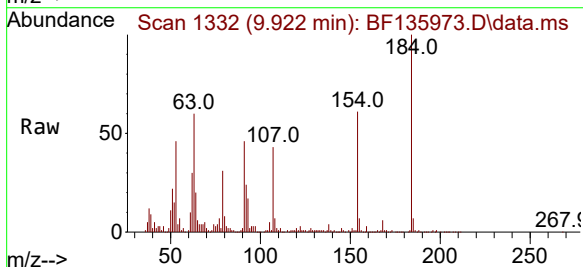
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

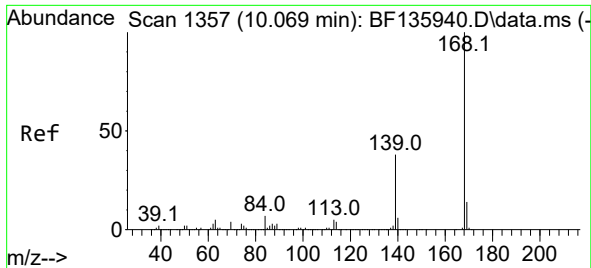
Tgt Ion:138 Resp: 180605
Ion Ratio Lower Upper
138 100
108 11.6 11.3 16.9
92 112.7 95.0 142.6



#54
2,4-Dinitrophenol
Concen: 68.038 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:184 Resp: 78990
Ion Ratio Lower Upper
184 100
63 60.4 56.3 84.5
154 61.2 48.1 72.1

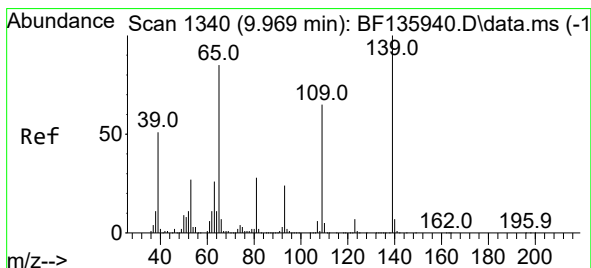
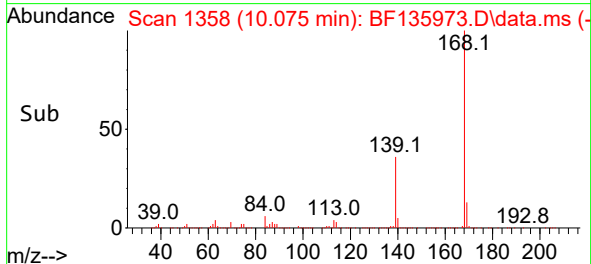
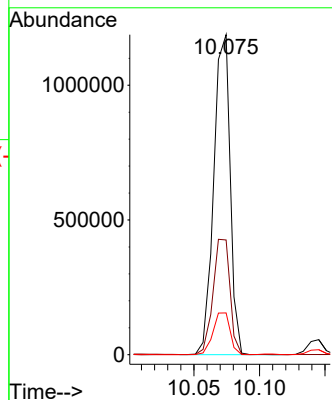
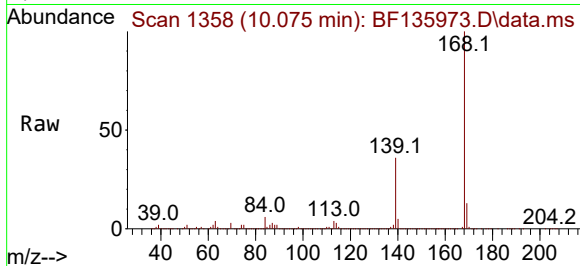




#55
Dibenzenofuran
Concen: 48.046 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

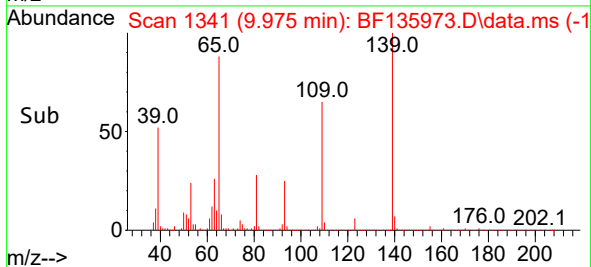
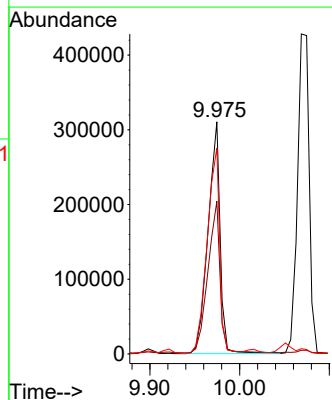
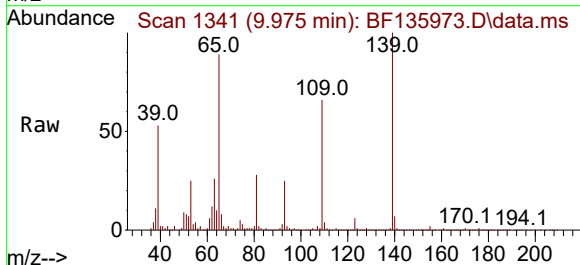
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

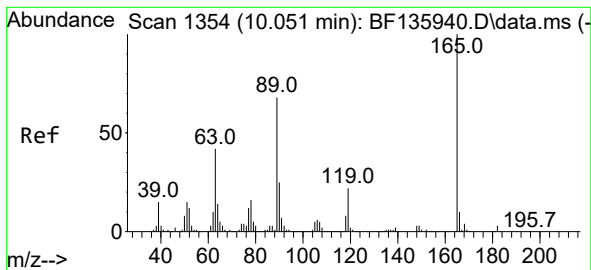
Tgt Ion:168 Resp: 1032380
Ion Ratio Lower Upper
168 100
139 35.9 30.7 46.1
169 13.1 11.1 16.7



#56
4-Nitrophenol
Concen: 84.104 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:139 Resp: 289981
Ion Ratio Lower Upper
139 100
109 65.8 45.2 85.2
65 88.7 65.1 105.1

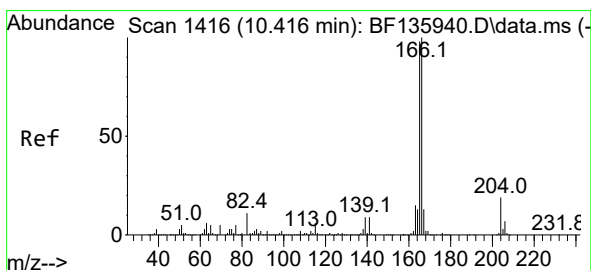
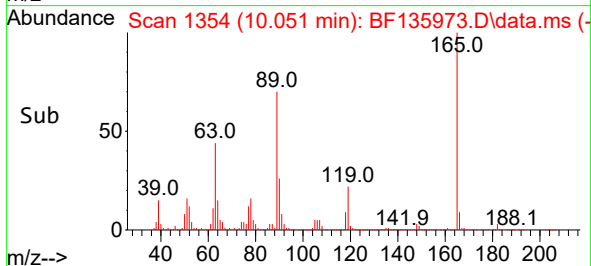
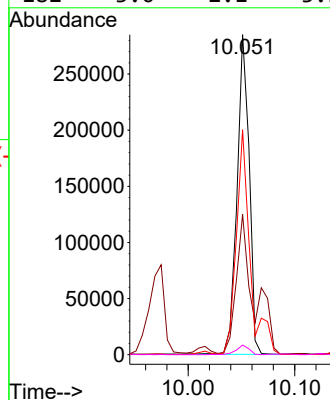
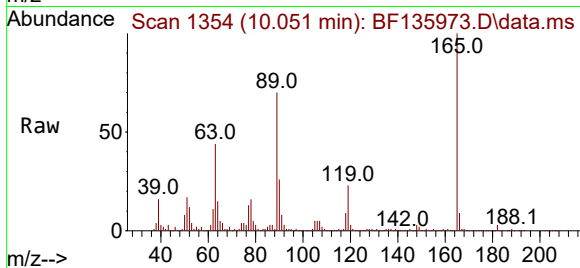




#57
2,4-Dinitrotoluene
Concen: 51.134 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

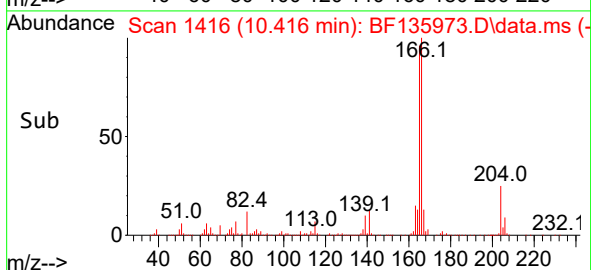
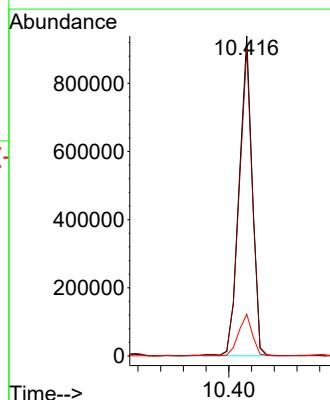
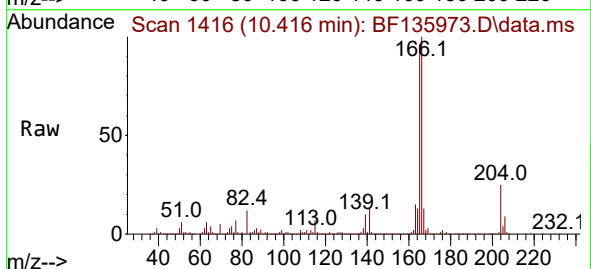
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

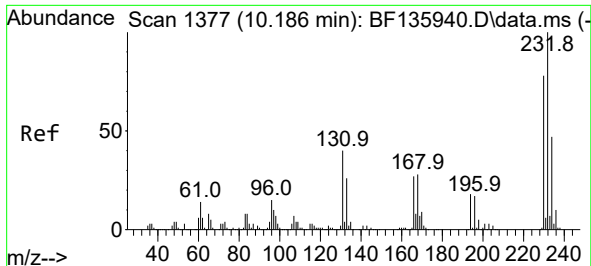
Tgt Ion:165 Resp: 225252
Ion Ratio Lower Upper
165 100
63 43.8 33.7 50.5
89 70.3 54.6 81.8
182 3.0 2.1 3.1



#58
Fluorene
Concen: 46.426 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:166 Resp: 746320
Ion Ratio Lower Upper
166 100
165 96.1 78.0 117.0
167 13.0 10.6 16.0

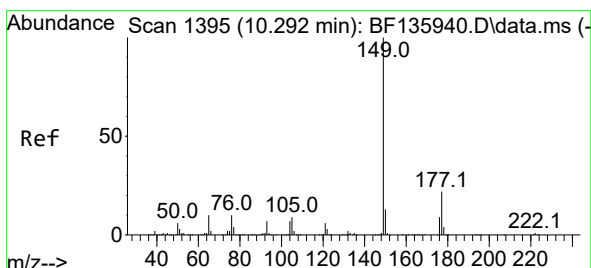
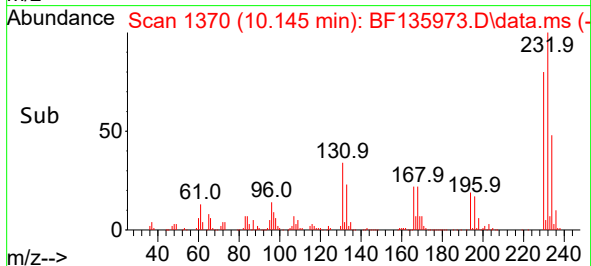
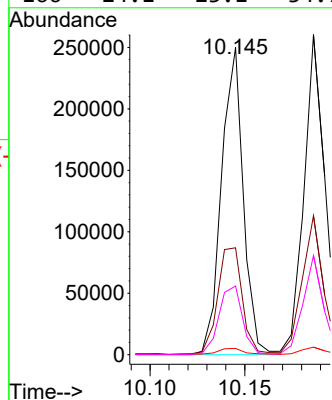
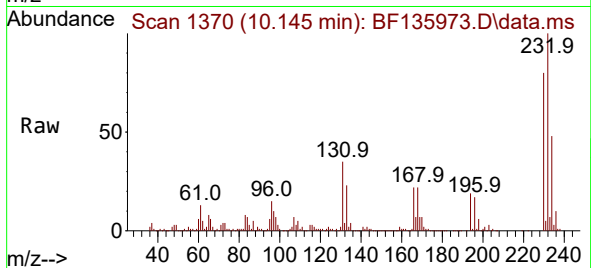




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.712 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.041 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

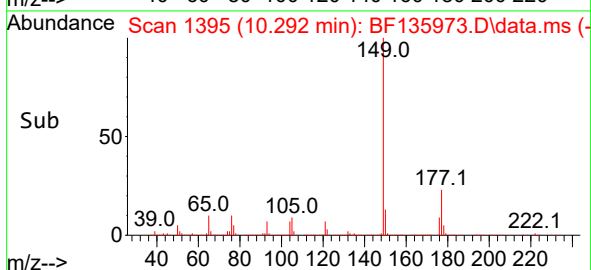
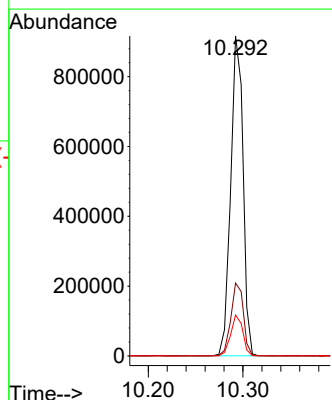
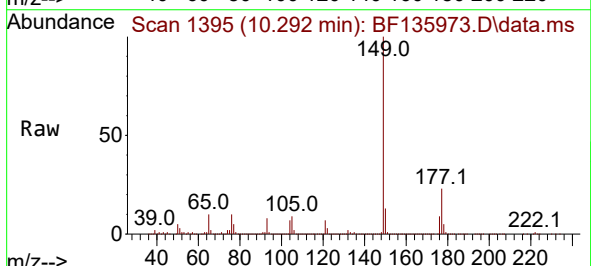
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

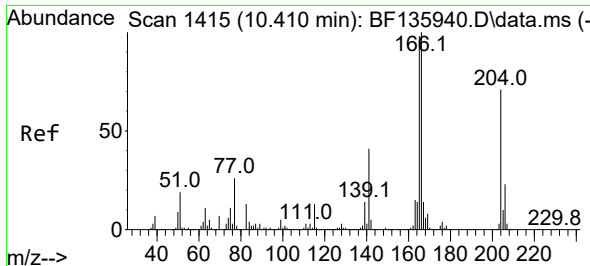
Tgt Ion:232 Resp: 200471
Ion Ratio Lower Upper
232 100
131 39.4 35.2 52.8
130 2.4 1.7 2.5
166 24.1 23.1 34.7



#60
Diethylphthalate
Concen: 51.221 ng
RT: 10.292 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:149 Resp: 831409
Ion Ratio Lower Upper
149 100
177 22.8 17.9 26.9
150 12.8 10.2 15.2

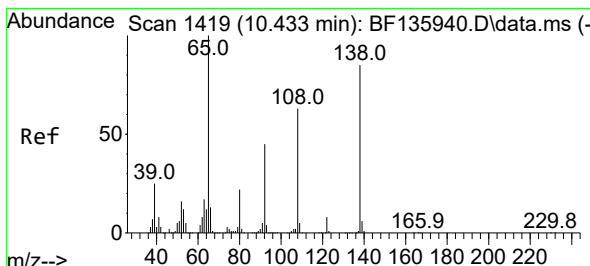
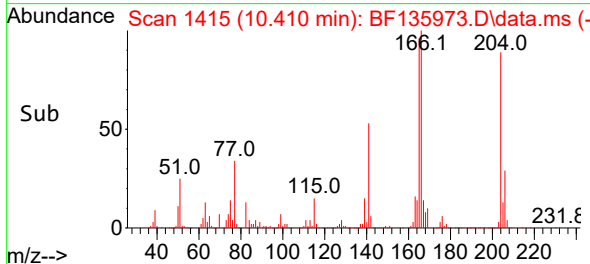
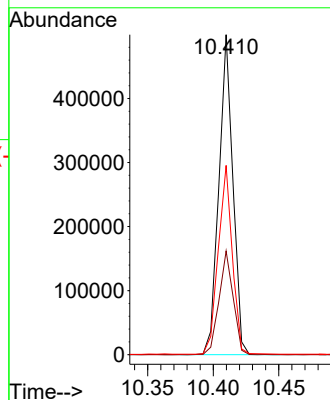
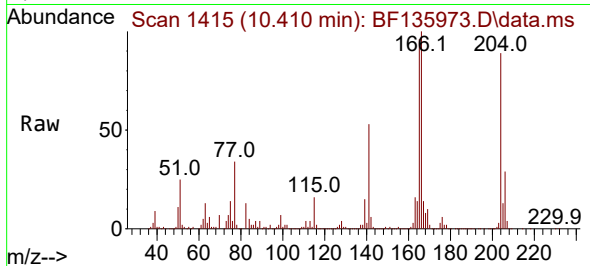




#61
4-Chlorophenyl-phenylether
Concen: 47.663 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

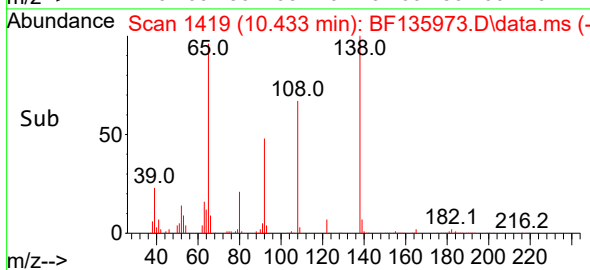
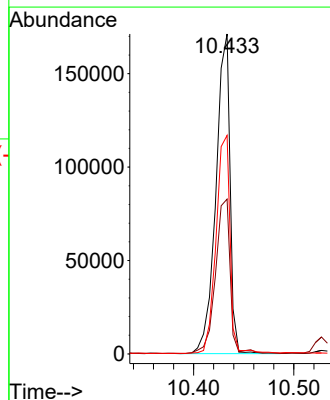
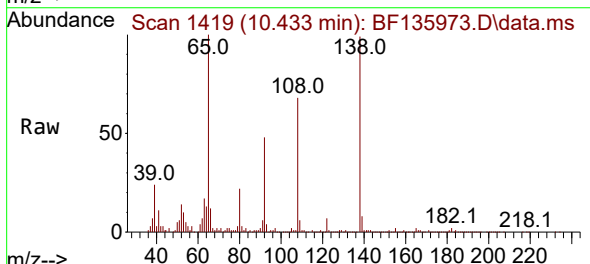
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

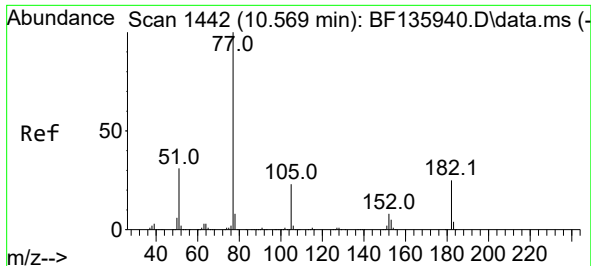
Tgt Ion:204 Resp: 369600
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 59.1 46.2 69.2



#62
4-Nitroaniline
Concen: 40.735 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:138 Resp: 167057
Ion Ratio Lower Upper
138 100
92 48.4 32.9 72.9
108 68.3 53.5 93.5

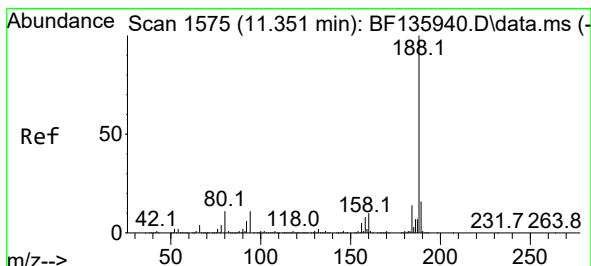
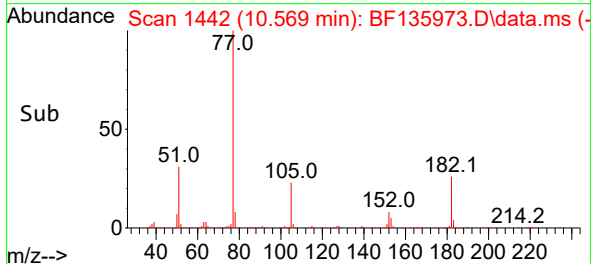
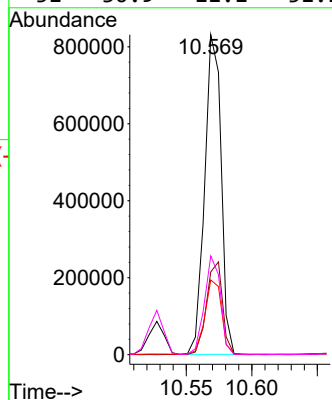
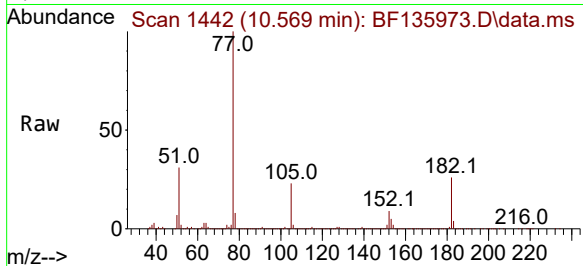




#63
Azobenzene
Concen: 44.044 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

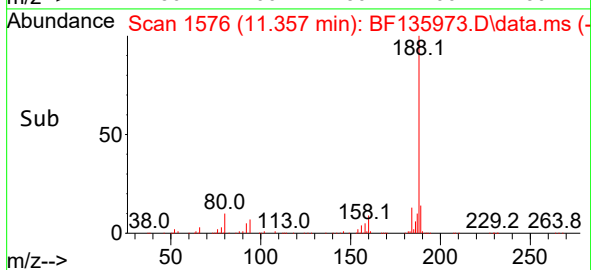
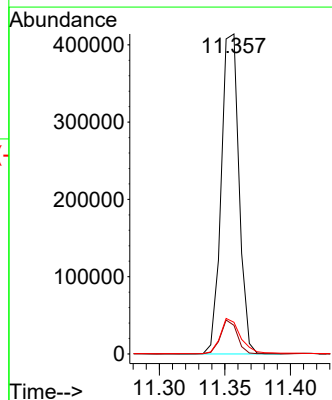
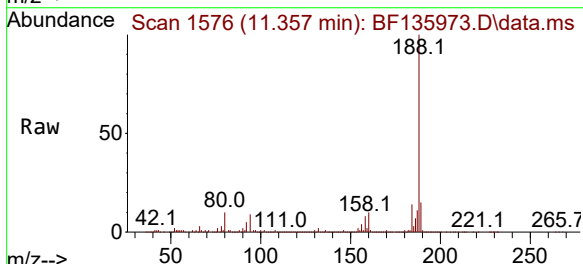
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

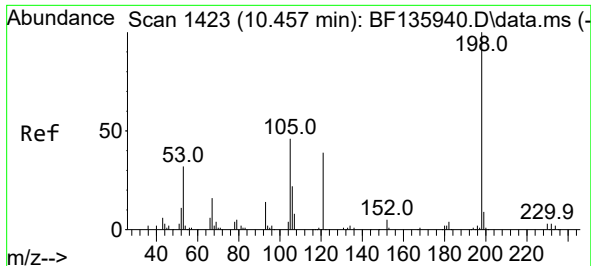
Tgt Ion: 77	Resp: 725504
Ion Ratio	Lower Upper
77 100	
182 25.9	5.1 45.1
105 23.4	2.8 42.8
51 30.9	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:188	Resp: 388631
Ion Ratio	Lower Upper
188 100	
94 9.0	8.6 13.0
80 9.9	9.0 13.6

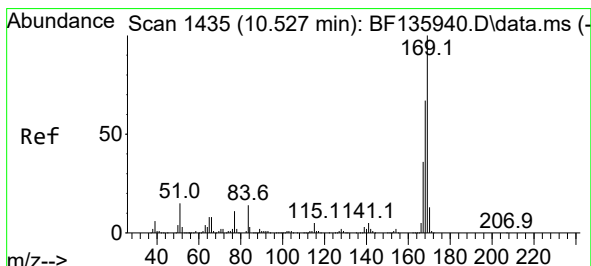
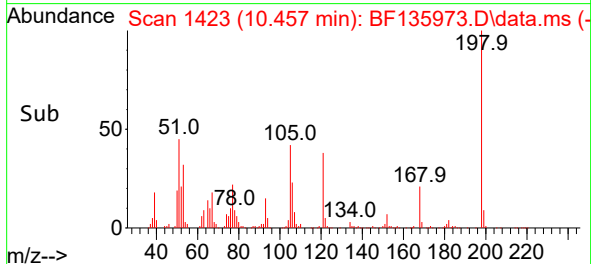
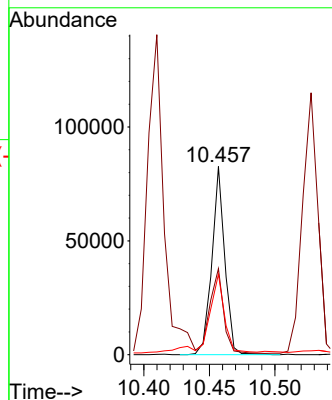
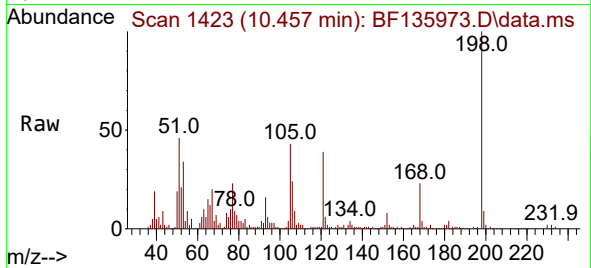




#65
4,6-Dinitro-2-methylphenol
Concen: 46.294 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

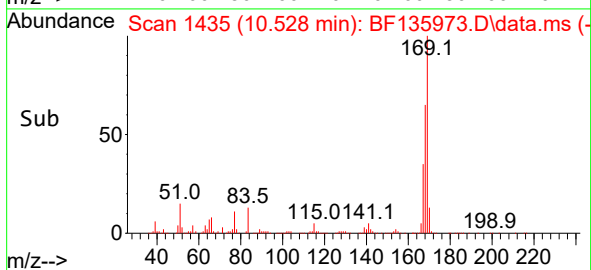
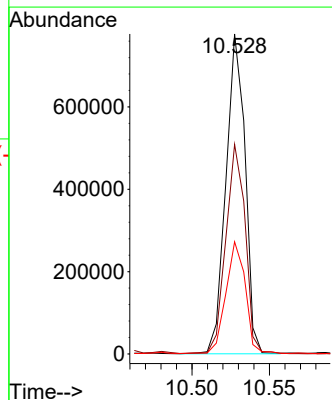
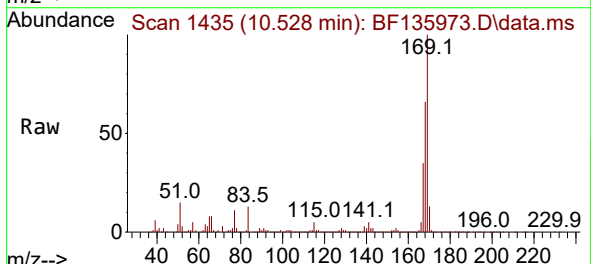
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

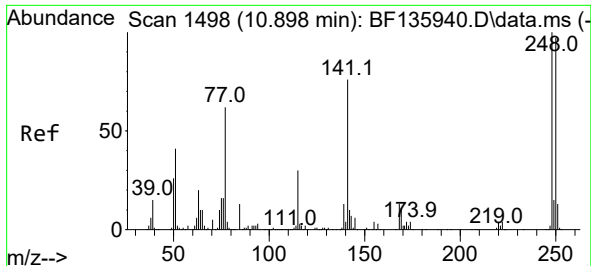
Tgt Ion:198 Resp: 56893
Ion Ratio Lower Upper
198 100
51 45.7 28.7 68.7
105 42.8 27.2 67.2



#66
n-Nitrosodiphenylamine
Concen: 56.975 ng
RT: 10.528 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:169 Resp: 668923
Ion Ratio Lower Upper
169 100
168 65.5 53.5 80.3
167 35.0 29.0 43.4

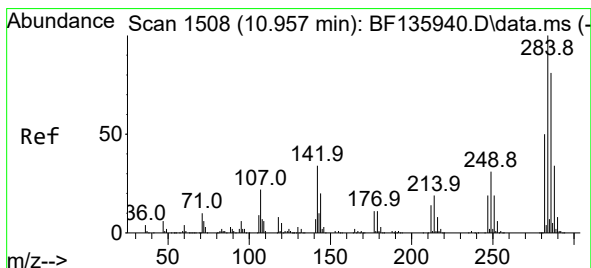
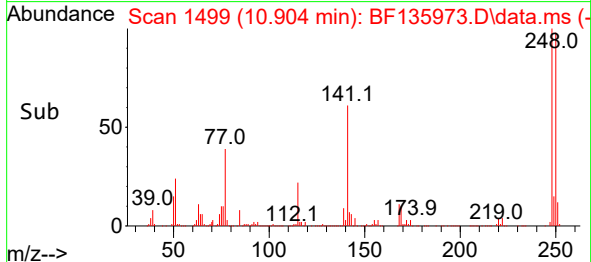
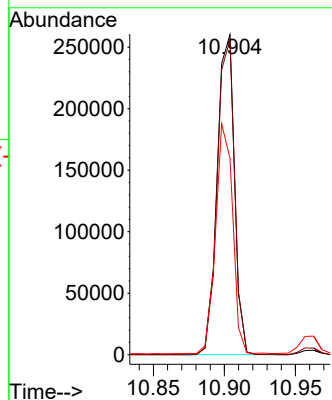
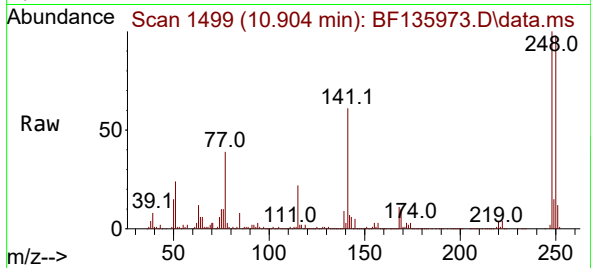




#67
4-Bromophenyl-phenylether
Concen: 55.424 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

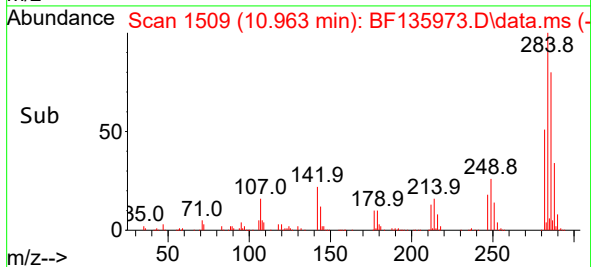
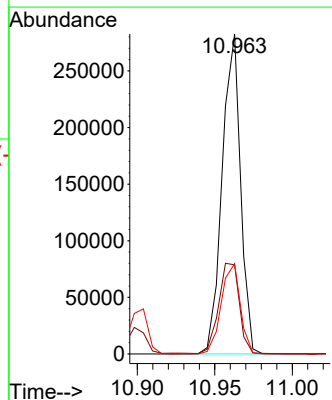
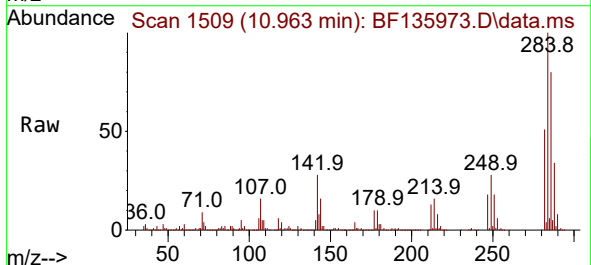
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

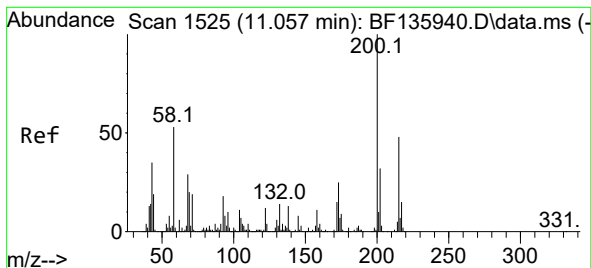
Tgt Ion:248 Resp: 220588
Ion Ratio Lower Upper
248 100
250 98.3 77.9 116.9
141 61.5 60.8 91.2



#68
Hexachlorobenzene
Concen: 54.784 ng
RT: 10.963 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:284 Resp: 232921
Ion Ratio Lower Upper
284 100
142 27.9 27.6 41.4
249 28.2 24.7 37.1





#69

Atrazine

Concen: 65.494 ng

RT: 11.063 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

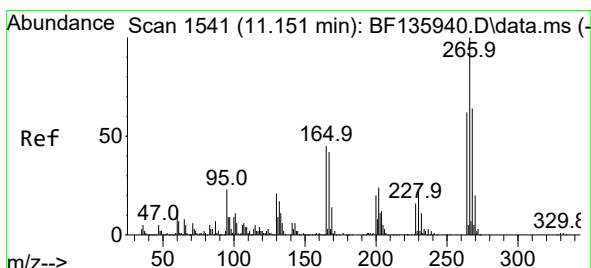
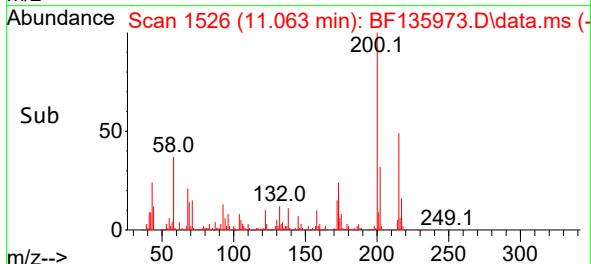
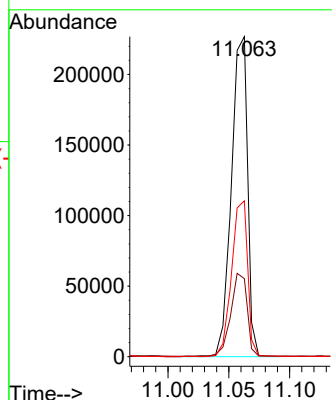
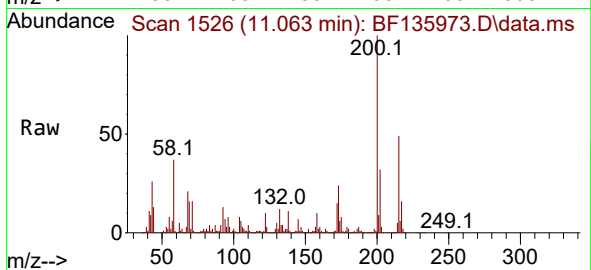
Tgt Ion:200 Resp: 209618

Ion Ratio Lower Upper

200 100

173 24.4 5.5 45.5

215 48.7 27.5 67.5



#70

Pentachlorophenol

Concen: 97.593 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

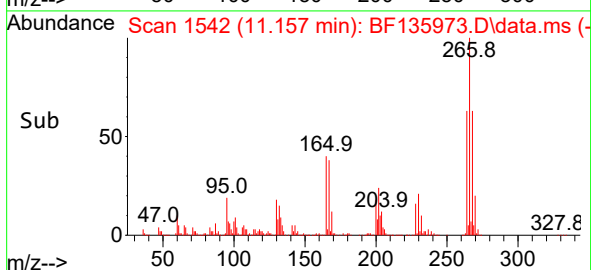
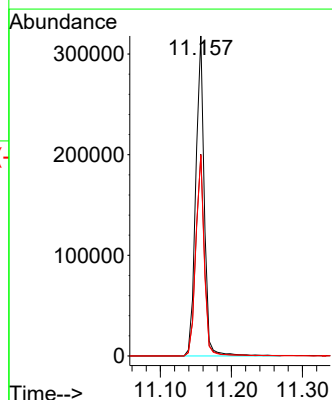
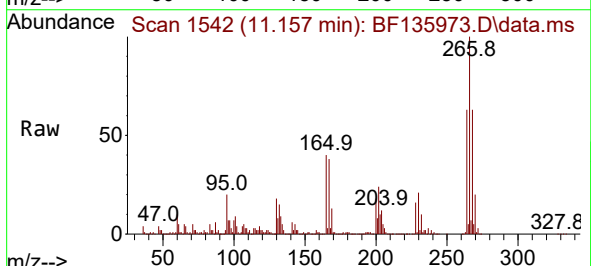
Tgt Ion:266 Resp: 265719

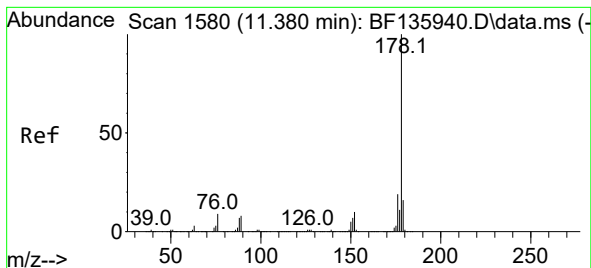
Ion Ratio Lower Upper

266 100

268 63.0 50.8 76.2

264 62.6 49.8 74.6





#71

Phenanthrene

Concen: 55.690 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

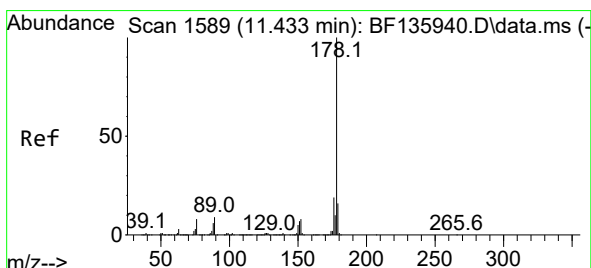
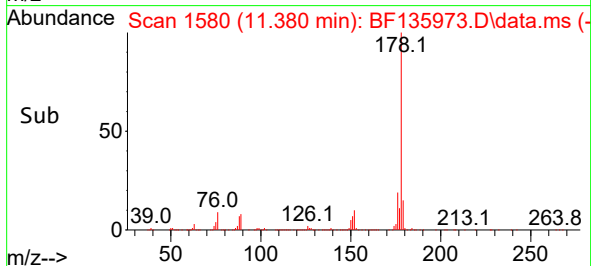
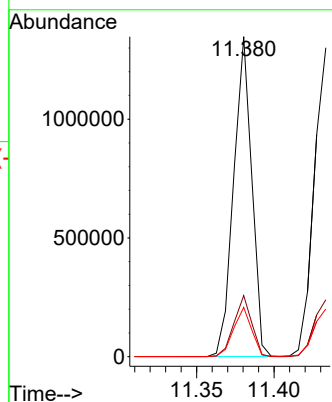
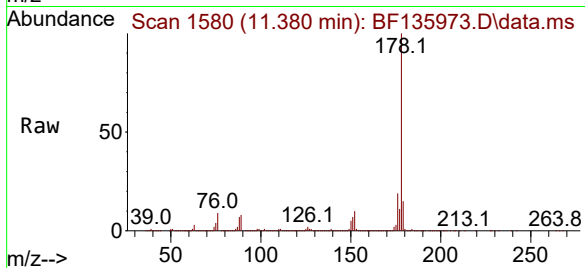
Tgt Ion:178 Resp: 1094978

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.4 12.5 18.7



#72

Anthracene

Concen: 52.163 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

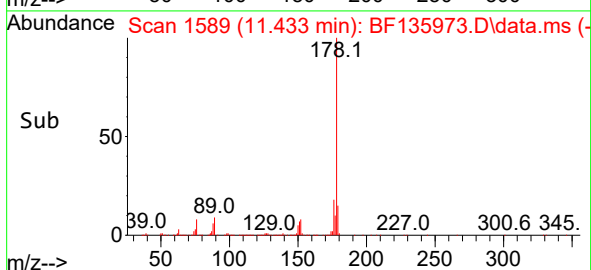
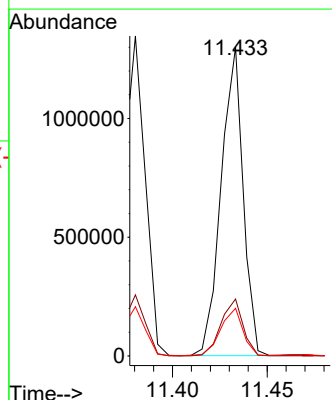
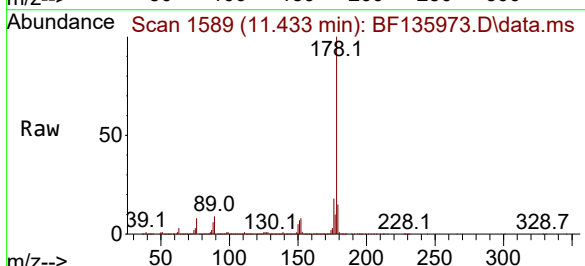
Tgt Ion:178 Resp: 1050158

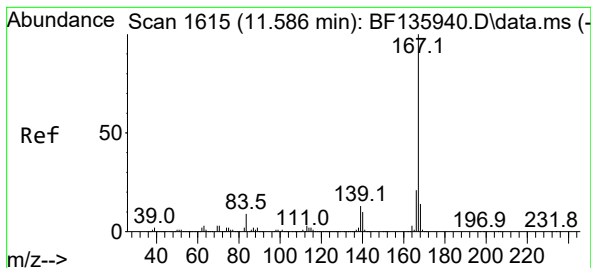
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.5 12.5 18.7





#73

Carbazole

Concen: 50.867 ng

RT: 11.586 min Scan# 1615

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

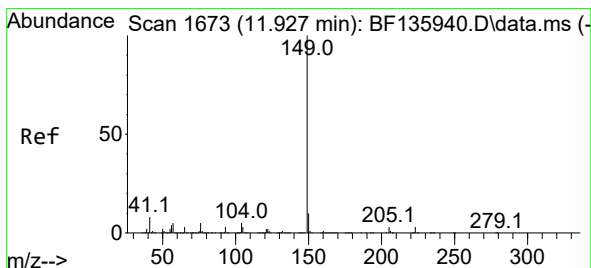
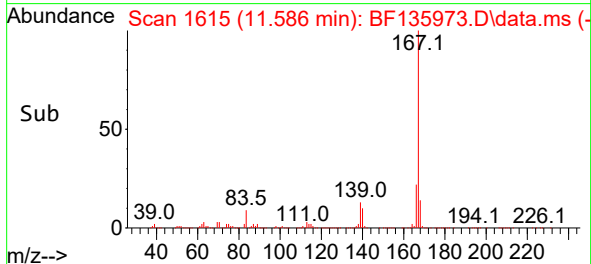
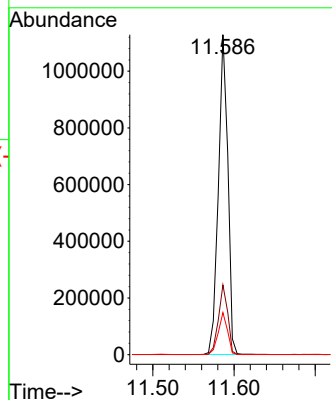
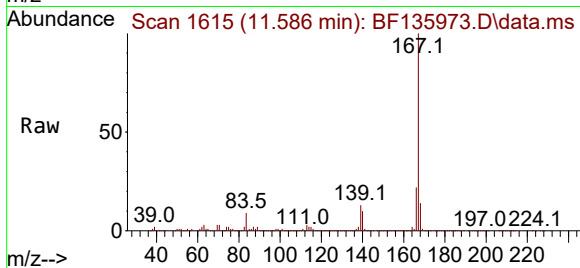
Tgt Ion:167 Resp: 913519

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 13.1 10.4 15.6



#74

Di-n-butylphthalate

Concen: 53.954 ng

RT: 11.927 min Scan# 1673

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

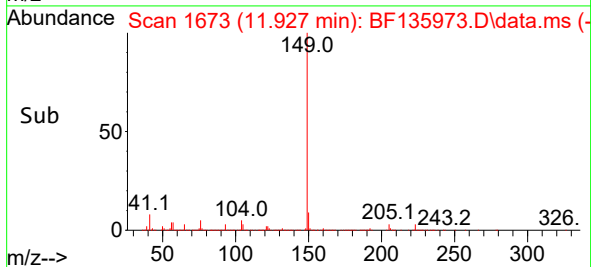
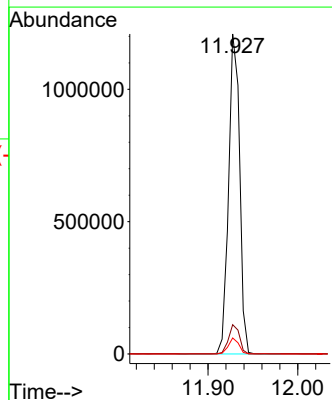
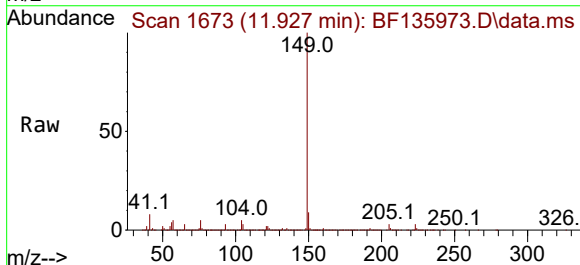
Tgt Ion:149 Resp: 1031088

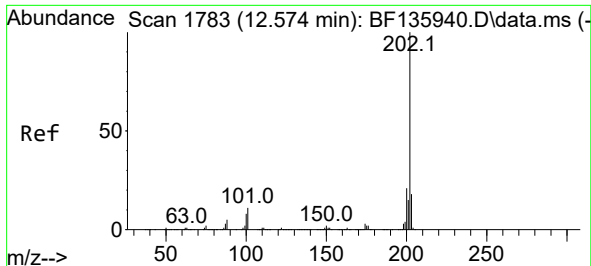
Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

104 5.0 3.9 5.9

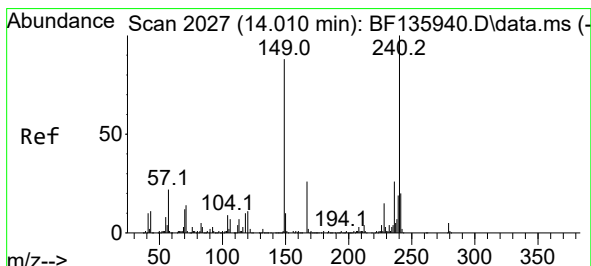
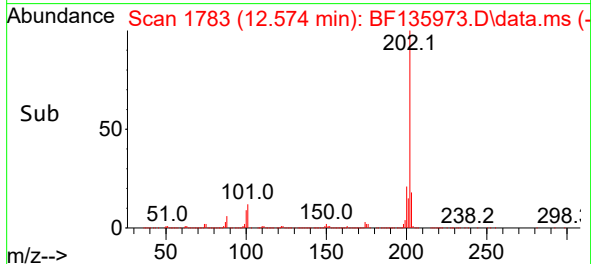
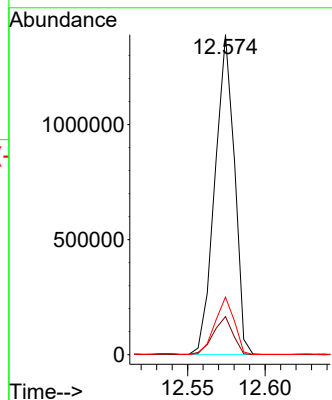
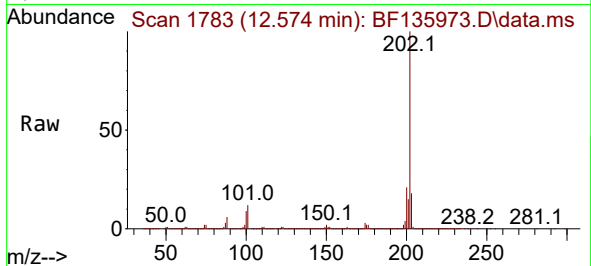




#75
Fluoranthene
Concen: 58.836 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

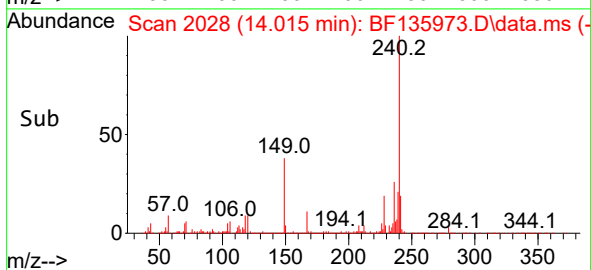
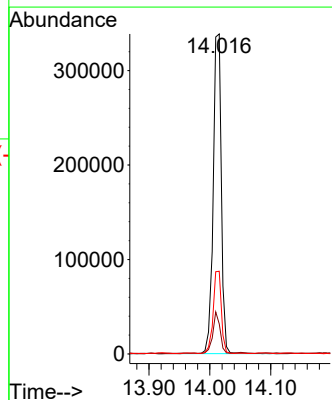
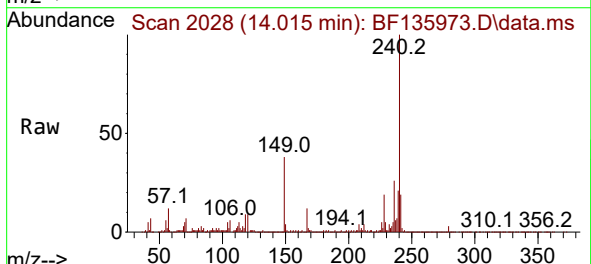
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

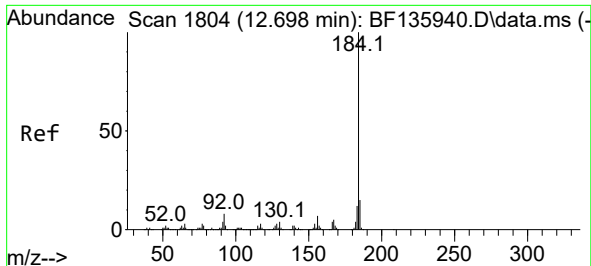
Tgt Ion:202 Resp: 1217024
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.6
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:240 Resp: 315250
Ion Ratio Lower Upper
240 100
120 9.4 8.6 13.0
236 25.8 20.6 30.8

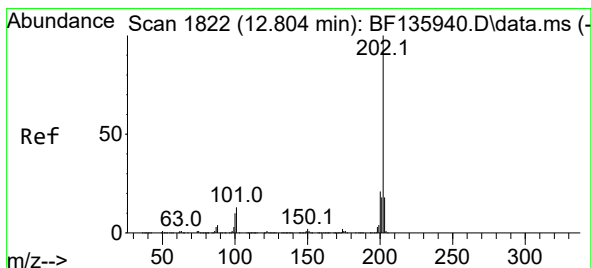
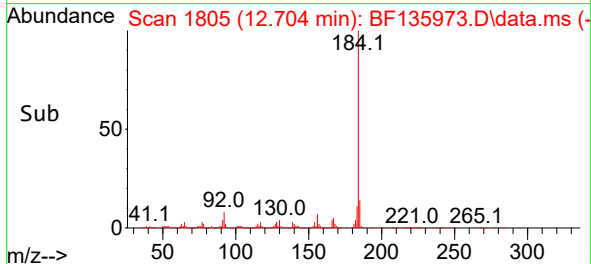
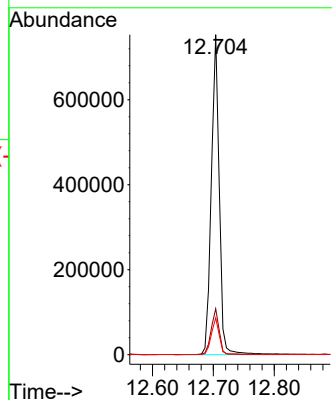
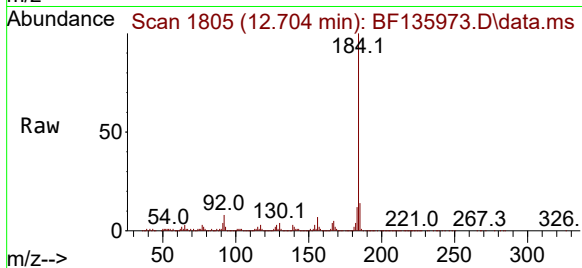




#77
Benzidine
Concen: 112.605 ng
RT: 12.704 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

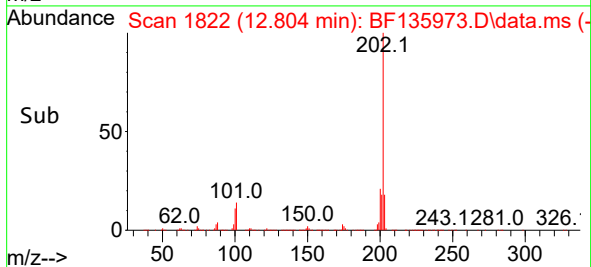
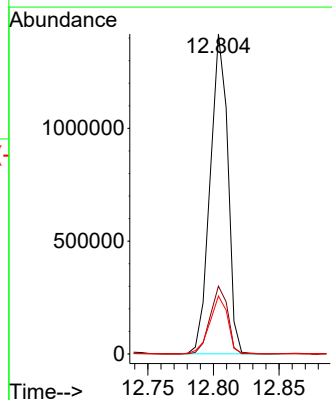
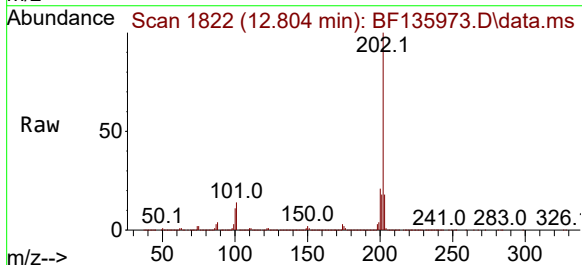
Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

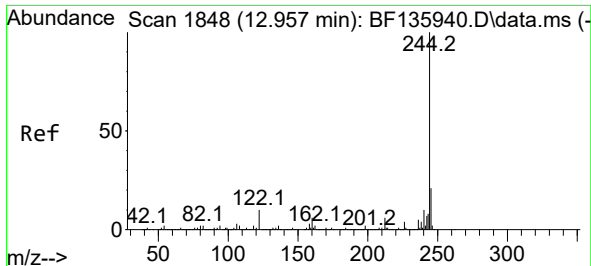
Tgt Ion:184 Resp: 684497
Ion Ratio Lower Upper
184 100
185 14.3 11.7 17.5
183 11.5 9.2 13.8



#78
Pyrene
Concen: 50.076 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:202 Resp: 1325508
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.1 14.5 21.7

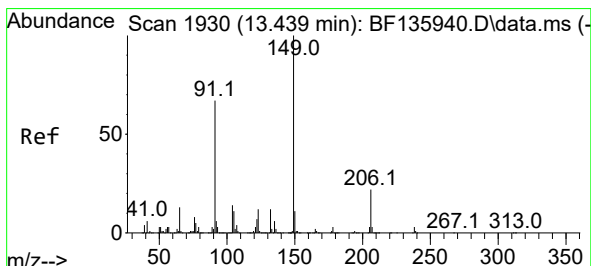
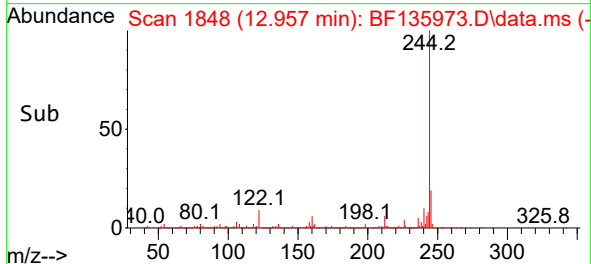
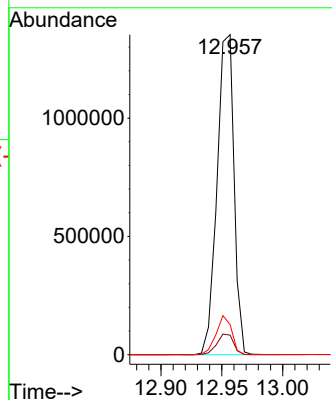
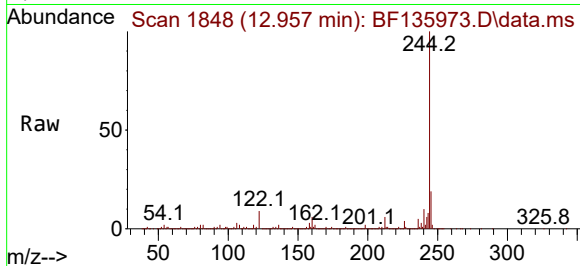




#79
 Terphenyl-d14
 Concen: 69.668 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF135973.D
 Acq: 26 Oct 2023 20:24

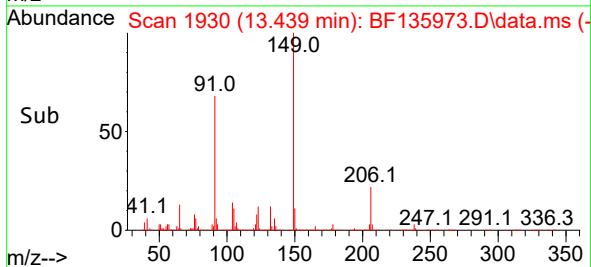
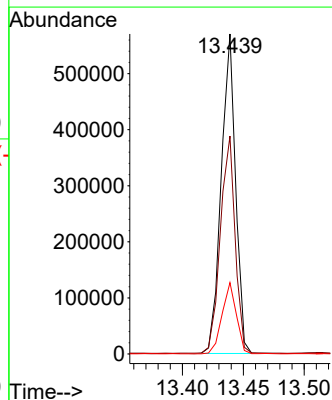
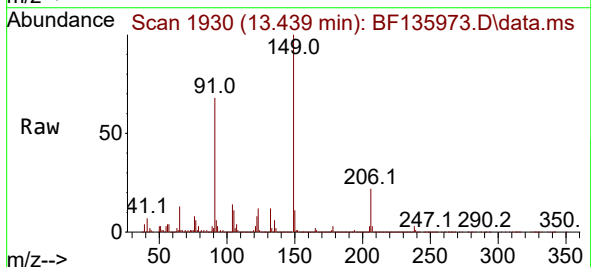
Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4MSD

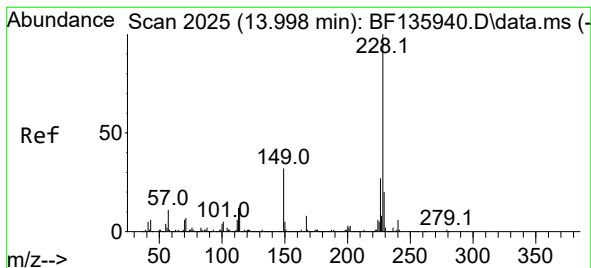
Tgt Ion:244 Resp: 1314524
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.6
 122 9.4 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 46.936 ng
 RT: 13.439 min Scan# 1930
 Delta R.T. 0.000 min
 Lab File: BF135973.D
 Acq: 26 Oct 2023 20:24

Tgt Ion:149 Resp: 468609
 Ion Ratio Lower Upper
 149 100
 91 68.1 53.4 80.0
 206 22.3 17.5 26.3





#81

Benzo(a)anthracene

Concen: 55.529 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

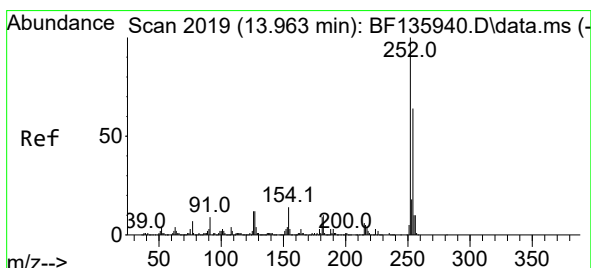
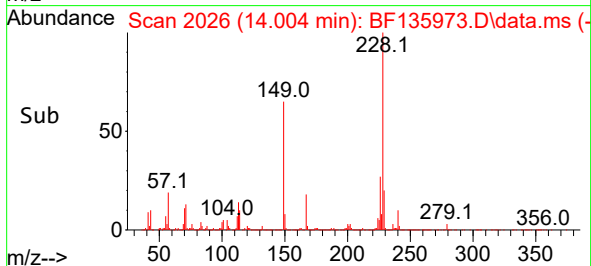
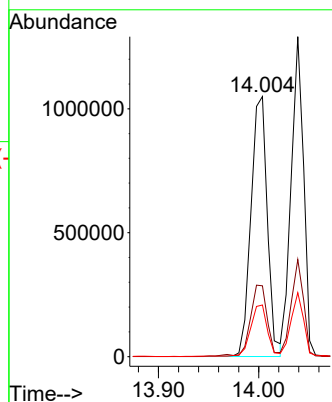
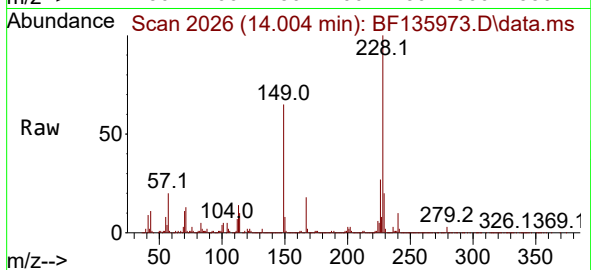
Tgt Ion:228 Resp: 1190274

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

229 19.9 16.2 24.4



#82

3,3'-Dichlorobenzidine

Concen: 62.580 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

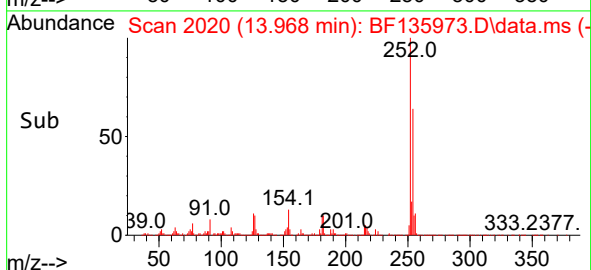
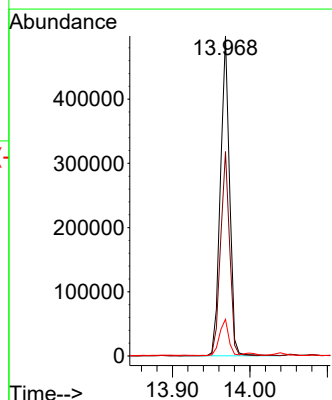
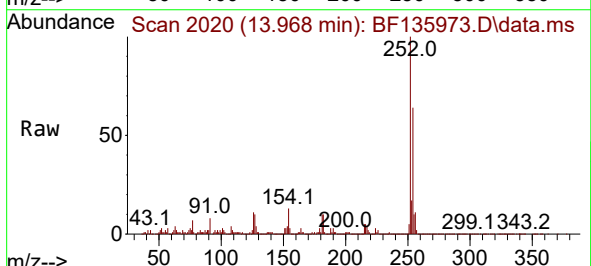
Tgt Ion:252 Resp: 408105

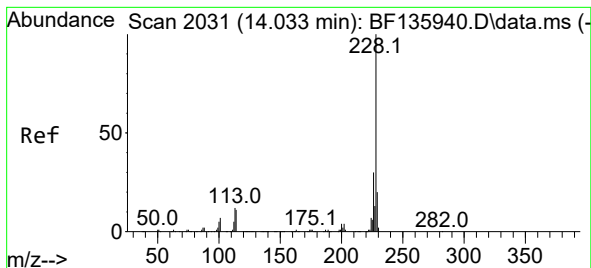
Ion Ratio Lower Upper

252 100

254 63.8 50.9 76.3

126 11.5 9.8 14.6





#83

Chrysene

Concen: 53.275 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

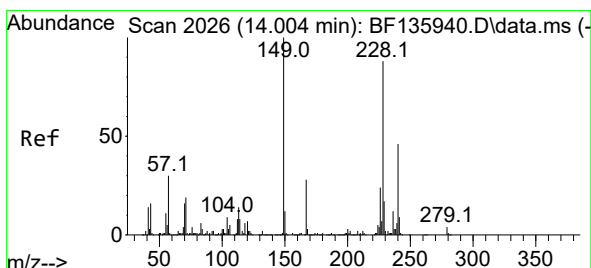
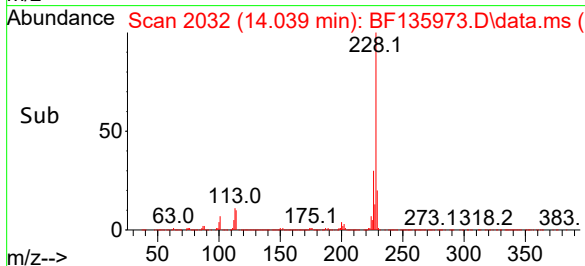
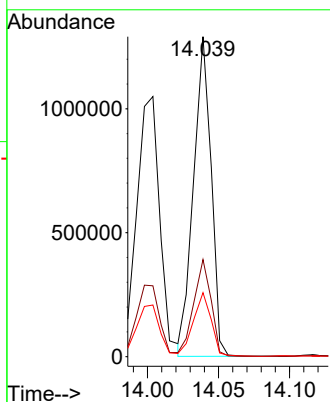
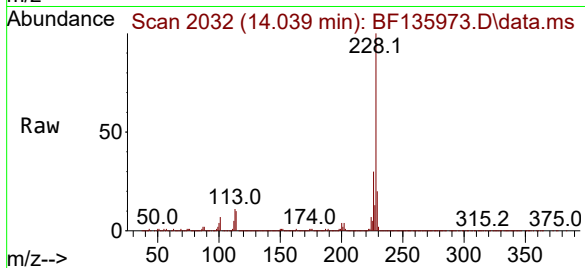
Tgt Ion:228 Resp: 1112218

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 20.0 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.416 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

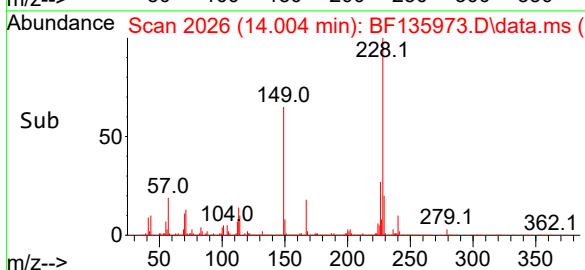
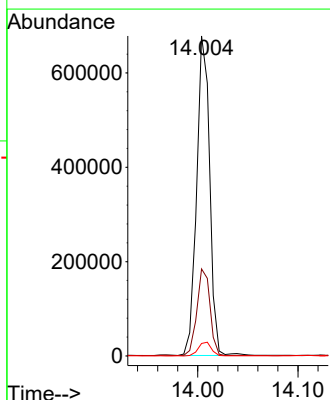
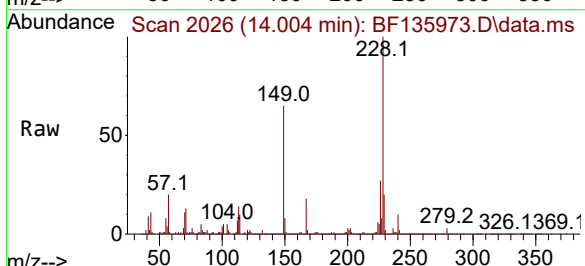
Tgt Ion:149 Resp: 614065

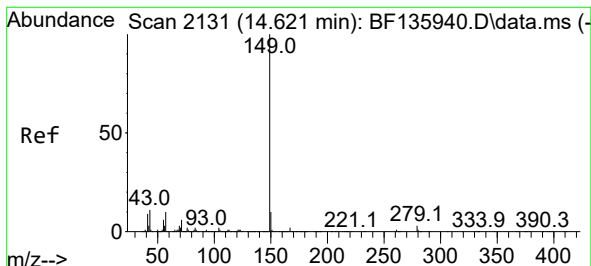
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 68.410 ng

RT: 14.627 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

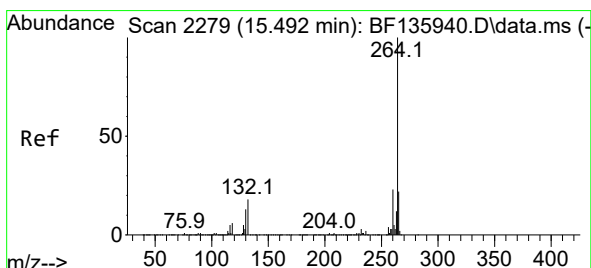
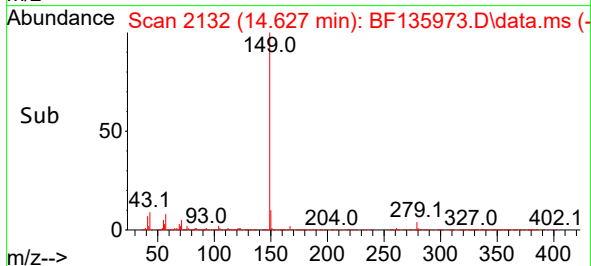
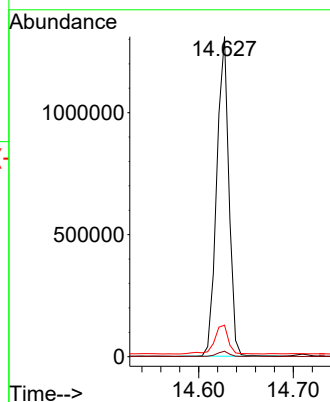
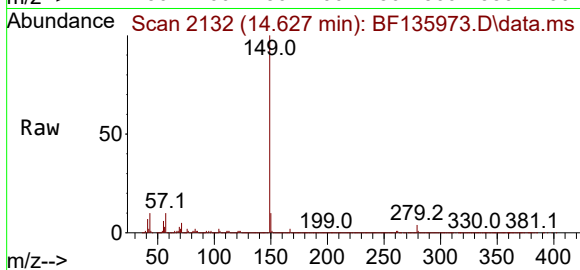
Tgt Ion:149 Resp: 1172979

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.4 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

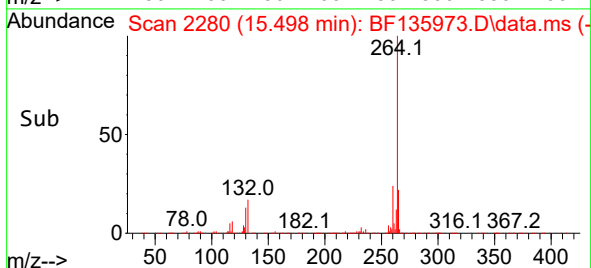
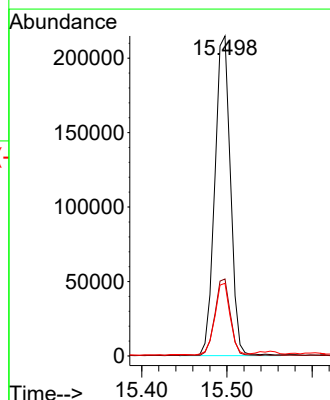
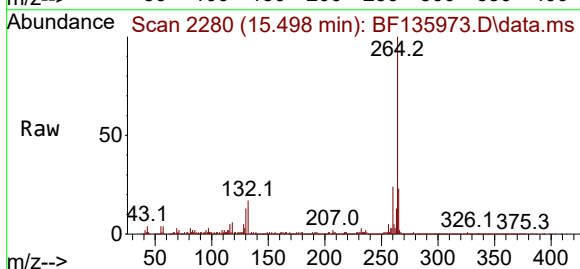
Tgt Ion:264 Resp: 275124

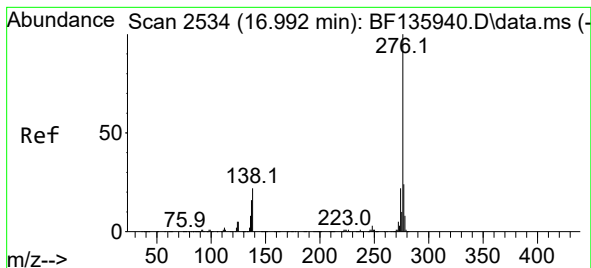
Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 22.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.290 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

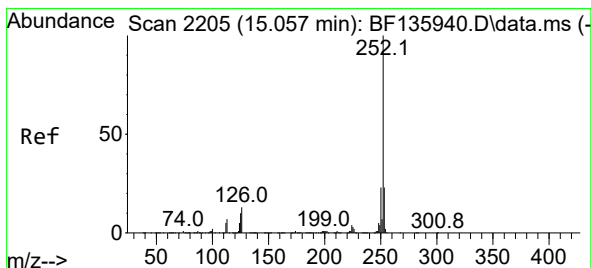
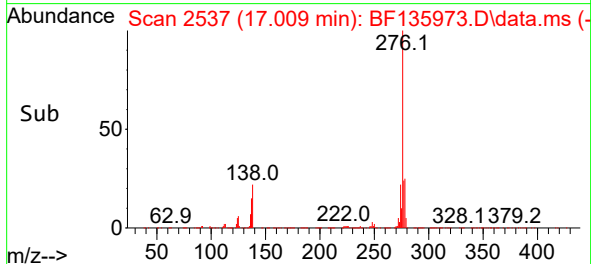
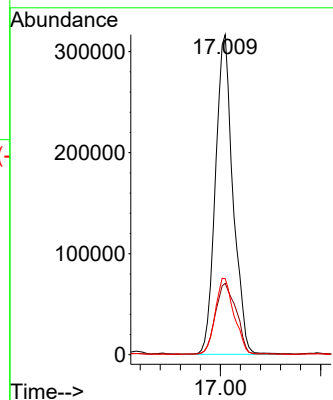
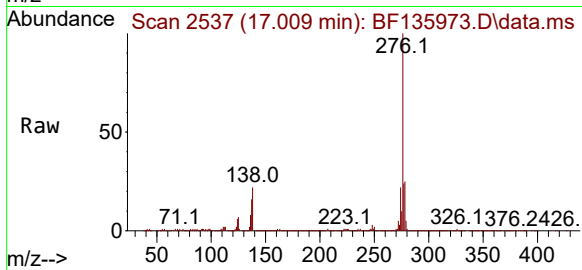
Tgt Ion:276 Resp: 768955

Ion Ratio Lower Upper

276 100

138 26.4 21.8 32.6

277 25.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 58.002 ng

RT: 15.063 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

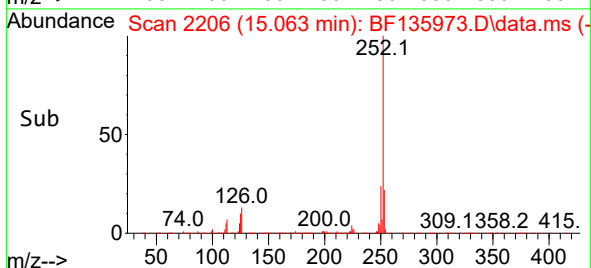
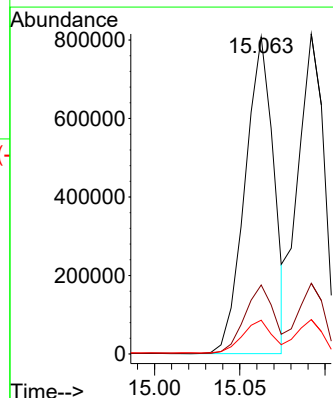
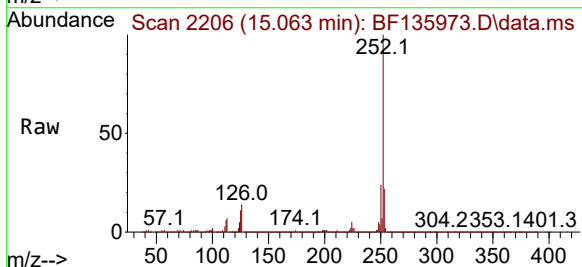
Tgt Ion:252 Resp: 949679

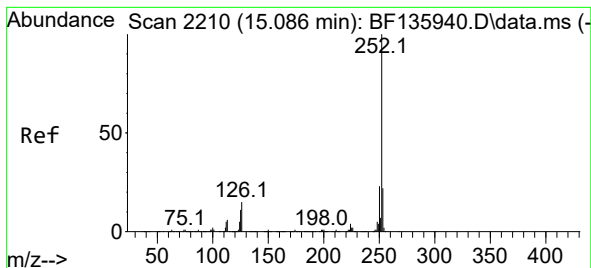
Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

125 10.6 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 53.774 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA_F

ClientSampleId :

MMFB-4MSD

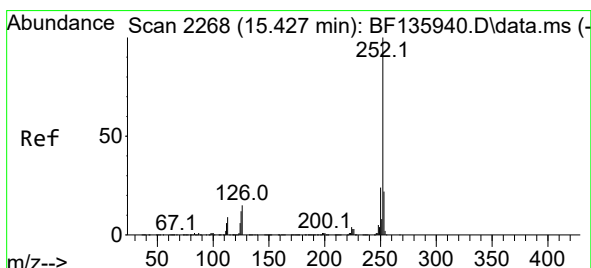
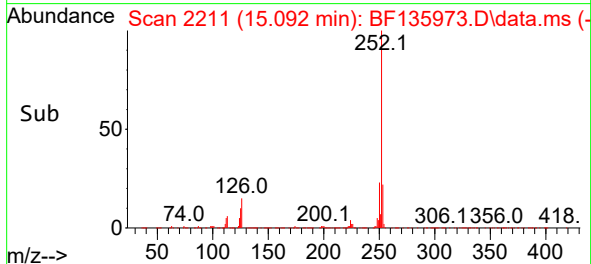
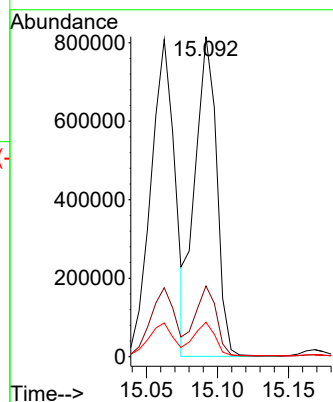
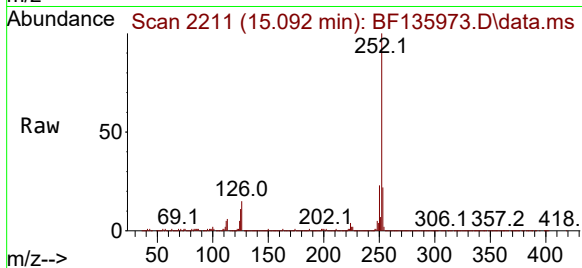
Tgt Ion:252 Resp: 864720

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.8 8.5 12.7



#90

Benzo(a)pyrene

Concen: 51.535 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

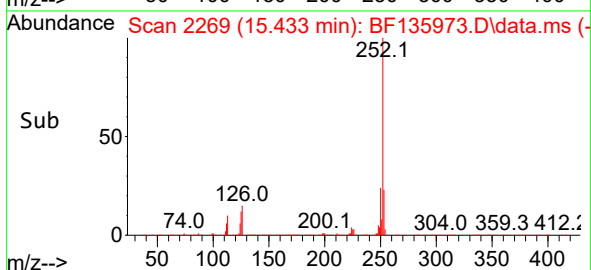
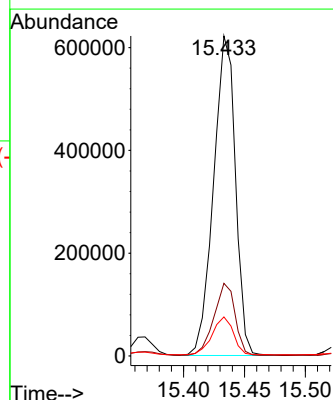
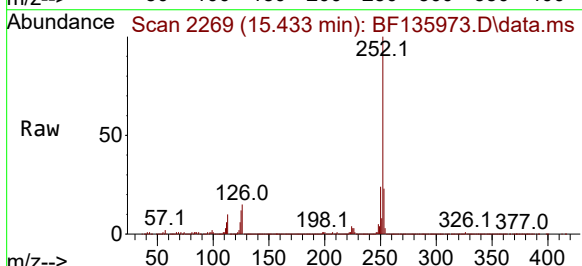
Tgt Ion:252 Resp: 777674

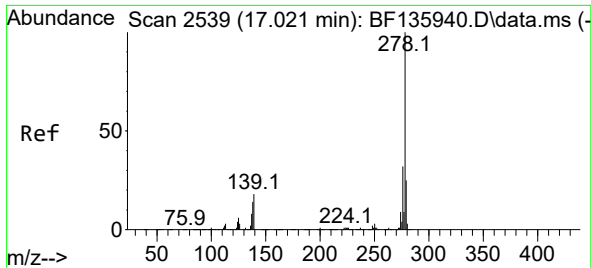
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 12.2 9.6 14.4

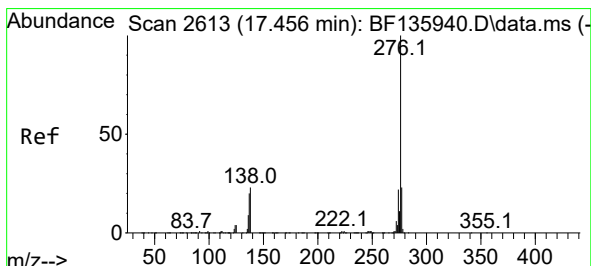
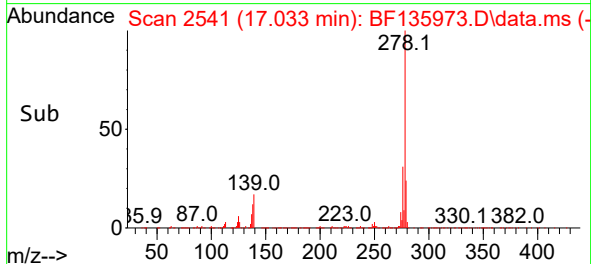
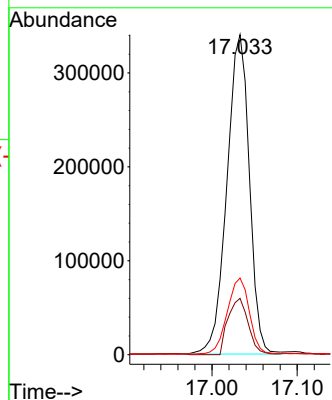
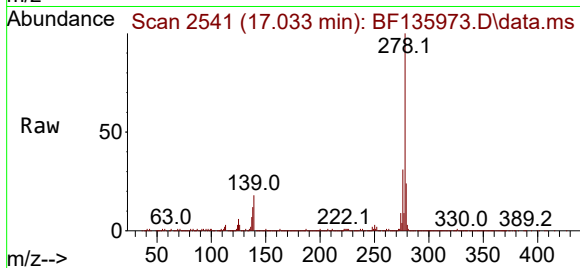




#91
Dibenzo(a,h)anthracene
Concen: 46.652 ng
RT: 17.033 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Instrument :
BNA_F
ClientSampleId :
MMFB-4MSD

Tgt Ion:278 Resp: 622518
Ion Ratio Lower Upper
278 100
139 17.6 14.0 21.0
279 24.0 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 41.224 ng
RT: 17.462 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF135973.D
Acq: 26 Oct 2023 20:24

Tgt Ion:276 Resp: 616706
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 23.0 18.4 27.6

