

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138802.D
 Acq On : 06 Aug 2024 00:12
 Operator : RC/JU
 Sample : P3362-04MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978MSD

Quant Time: Aug 06 00:59:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	37996	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	135117	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	60362	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	97046	20.000	ng	0.00
76) Chrysene-d12	14.016	240	54981	20.000	ng	0.01
86) Perylene-d12	15.480	264	47996	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	298119	121.116	ng	0.02
7) Phenol-d6	6.493	99	377557	114.247	ng	0.00
23) Nitrobenzene-d5	7.416	82	232174	84.011	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	60883	123.134	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	384595	95.731	ng	0.00
79) Terphenyl-d14	12.951	244	340728	103.758	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	42966	39.871	ng	94
3) Pyridine	3.446	79	107891	41.330	ng	93
4) n-Nitrosodimethylamine	3.405	42	82569	53.107	ng	92
6) Aniline	6.510	93	50179	17.026	ng	# 1
8) 2-Chlorophenol	6.640	128	126319	48.777	ng	95
9) Benzaldehyde	6.399	77	7519	3.796	ng	98
10) Phenol	6.510	94	159193	45.752	ng	100
11) bis(2-Chloroethyl)ether	6.581	93	123724	46.207	ng	98
12) 1,3-Dichlorobenzene	6.787	146	137408	47.401	ng	99
13) 1,4-Dichlorobenzene	6.863	146	138897	47.478	ng	99
14) 1,2-Dichlorobenzene	7.016	146	131454	48.080	ng	100
15) Benzyl Alcohol	6.993	79	114020	47.870	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	192809	41.842	ng	53
17) 2-Methylphenol	7.110	107	97263	45.483	ng	# 88
18) Hexachloroethane	7.351	117	45562	41.374	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	96707	48.451	ng	97
20) 3+4-Methylphenols	7.263	107	129894	47.343	ng	91
22) Acetophenone	7.257	105	167202	50.540	ng	96
24) Nitrobenzene	7.434	77	136604	48.576	ng	98
25) Isophorone	7.669	82	237426	50.313	ng	98
26) 2-Nitrophenol	7.745	139	59578	49.243	ng	99
27) 2,4-Dimethylphenol	7.787	122	78664	54.341	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	143914	50.079	ng	99
29) 2,4-Dichlorophenol	7.998	162	91648	49.269	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	106611	49.664	ng	98
31) Naphthalene	8.151	128	339910	47.793	ng	100
32) Benzoic acid	7.922	122	42488	37.338	ng	95
33) 4-Chloroaniline	8.204	127	28953	12.128	ng	98
34) Hexachlorobutadiene	8.263	225	66799	51.375	ng	99
35) Caprolactam	8.575	113	24684	44.472	ng	95
36) 4-Chloro-3-methylphenol	8.698	107	97902	46.053	ng	99
37) 2-Methylnaphthalene	8.840	142	208589	46.439	ng	99
38) 1-Methylnaphthalene	8.940	142	190635	43.312	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	86989	51.878	ng	98
41) Hexachlorocyclopentadiene	8.987	237	11529	30.681	ng	98
43) 2,4,6-Trichlorophenol	9.128	196	56352	55.120	ng	99

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 QLast Update : Tue Jul 30 17:50:01 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	57647	51.579	ng	99
46) 1,1'-Biphenyl	9.304	154	237064	50.146	ng	98
47) 2-Chloronaphthalene	9.328	162	179546	51.066	ng	99
48) 2-Nitroaniline	9.434	65	63114	52.950	ng	99
49) Acenaphthylene	9.745	152	273353	54.817	ng	99
50) Dimethylphthalate	9.604	163	219686	56.919	ng	100
51) 2,6-Dinitrotoluene	9.675	165	41884	48.085	ng	98
52) Acenaphthene	9.916	154	168709	50.329	ng	99
53) 3-Nitroaniline	9.839	138	31684	35.186	ng	99
54) 2,4-Dinitrophenol	9.957	184	11226	27.997	ng	# 86
55) Dibenzofuran	10.086	168	244860	51.747	ng	99
56) 4-Nitrophenol	10.022	139	49617	91.630	ng	92
57) 2,4-Dinitrotoluene	10.081	165	53939	48.536	ng	91
58) Fluorene	10.434	166	196292	52.092	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	42509	49.749	ng	99
60) Diethylphthalate	10.304	149	205897	56.262	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	94823	51.165	ng	97
62) 4-Nitroaniline	10.457	138	39949	46.684	ng	92
63) Azobenzene	10.581	77	194863	48.009	ng	97
65) 4,6-Dinitro-2-methylph...	10.492	198	10713	18.094	ng	97
66) n-Nitrosodiphenylamine	10.539	169	160154	52.796	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	51625	49.134	ng	98
68) Hexachlorobenzene	10.981	284	54213	49.972	ng	95
69) Atrazine	11.069	200	48417	61.864	ng	97
70) Pentachlorophenol	11.181	266	51036	104.370	ng	99
71) Phenanthrene	11.392	178	339053	67.850	ng	100
72) Anthracene	11.445	178	286018	58.100	ng	100
73) Carbazole	11.604	167	240988	56.741	ng	99
74) Di-n-butylphthalate	11.928	149	303473	63.561	ng	100
75) Fluoranthene	12.586	202	492305	105.530	ng	99
77) Benzidine	12.710	184	23548	17.907	ng	98
78) Pyrene	12.816	202	461106	89.074	ng	99
80) Butylbenzylphthalate	13.427	149	111648	67.351	ng	95
81) Benzo(a)anthracene	14.004	228	259906	68.647	ng	99
82) 3,3'-Dichlorobenzidine	13.963	252	42069	43.420	ng	99
83) Chrysene	14.039	228	221763	64.923	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	159647	65.768	ng	99
85) Di-n-octyl phthalate	14.592	149	230114	51.237	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.957	276	149758	43.540	ng	96
88) Benzo(b)fluoranthene	15.051	252	222581	74.810	ng	99
89) Benzo(k)fluoranthene	15.080	252	153068	59.420	ng	99
90) Benzo(a)pyrene	15.421	252	162867	65.078	ng	98
91) Dibenzo(a,h)anthracene	16.968	278	116496	41.260	ng	97
92) Benzo(g,h,i)perylene	17.404	276	107767	36.782	ng	96

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

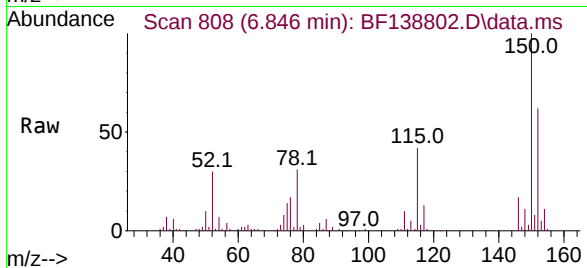
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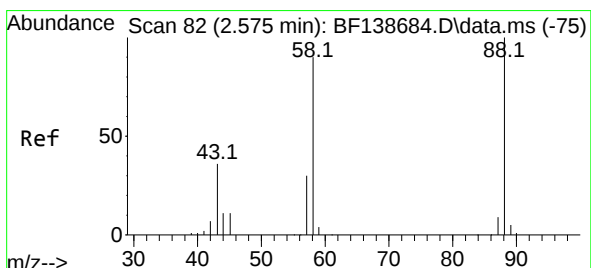
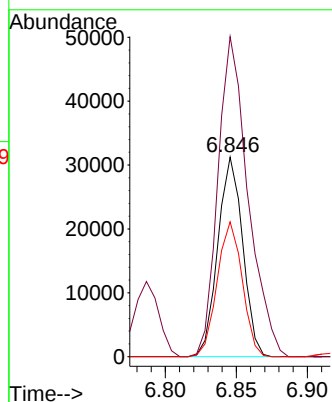
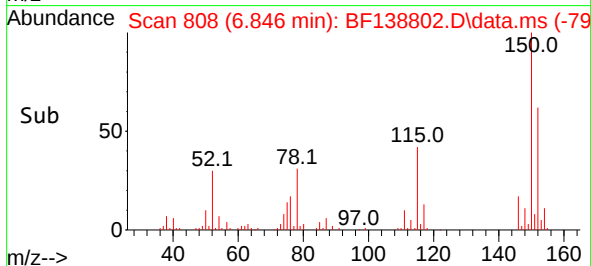


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.846 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BF138802.D
 Acq: 06 Aug 2024 00:12

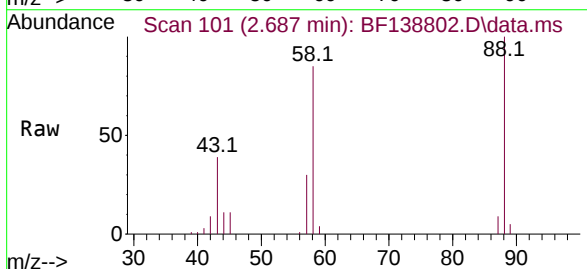
Instrument :
 BNA_F
 ClientSampleId :
 72-11978MSD



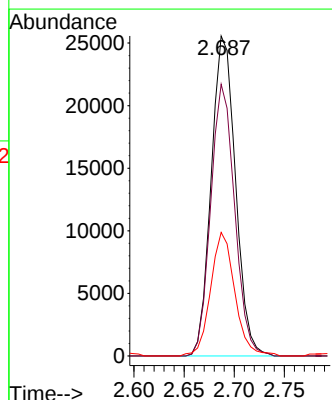
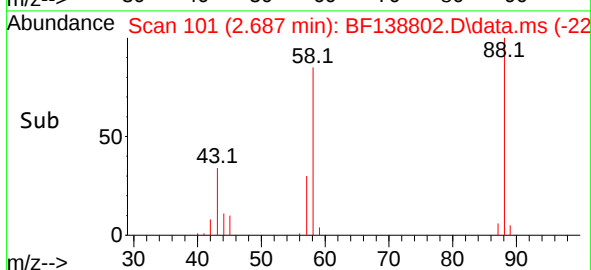
Tgt Ion:152 Resp: 37996
 Ion Ratio Lower Upper
 152 100
 150 160.4 126.0 189.0
 115 67.6 51.7 77.5



#2
 1,4-Dioxane
 Concen: 39.871 ng
 RT: 2.687 min Scan# 101
 Delta R.T. 0.112 min
 Lab File: BF138802.D
 Acq: 06 Aug 2024 00:12



Tgt Ion: 88 Resp: 42966
 Ion Ratio Lower Upper
 88 100
 58 83.8 71.6 107.4
 43 38.6 28.7 43.1





#3

Pyridine

Concen: 41.330 ng

RT: 3.446 min Scan# 211

Delta R.T. 0.112 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

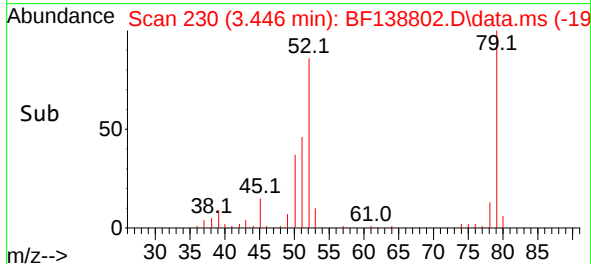
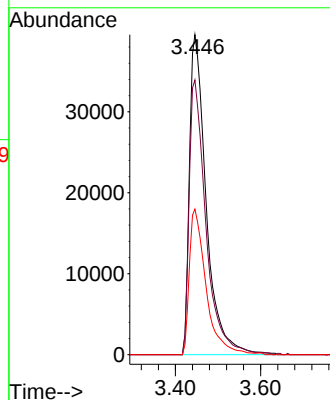
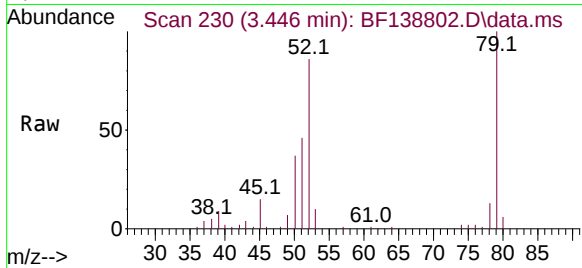
Tgt Ion: 79 Resp: 107891

Ion Ratio Lower Upper

79 100

52 85.8 74.7 112.1

51 45.5 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 53.107 ng

RT: 3.405 min Scan# 223

Delta R.T. 0.118 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

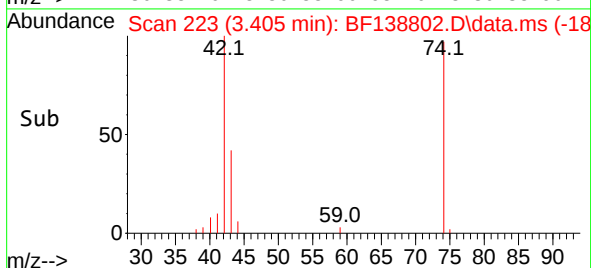
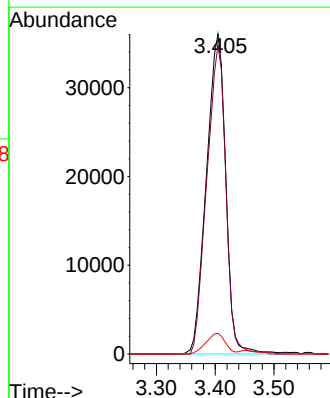
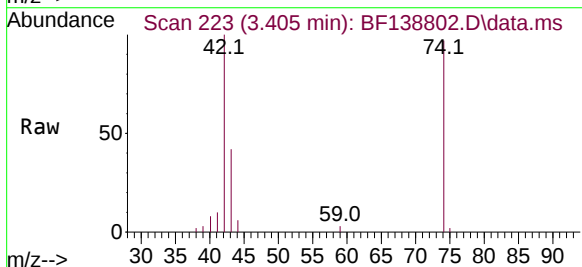
Tgt Ion: 42 Resp: 82569

Ion Ratio Lower Upper

42 100

74 96.5 84.2 126.4

44 6.5 4.9 7.3

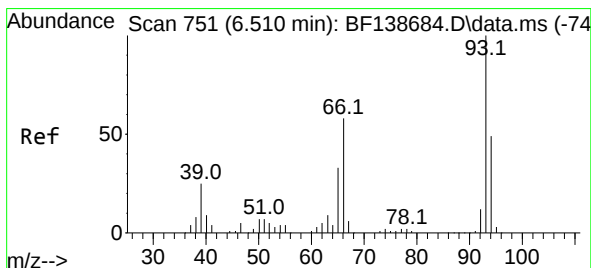
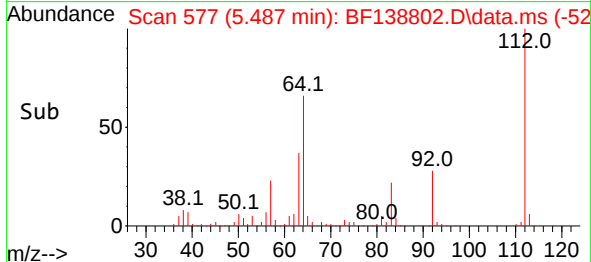
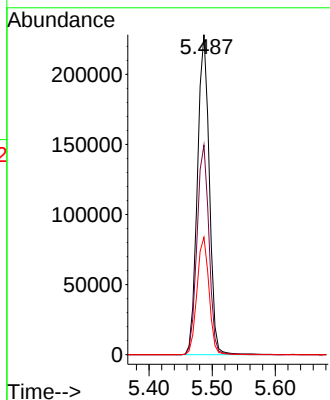
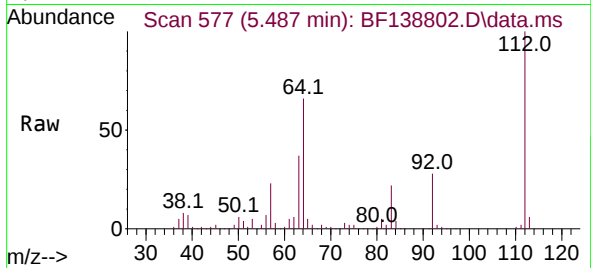




#5
2-Fluorophenol
Concen: 121.116 ng
RT: 5.487 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

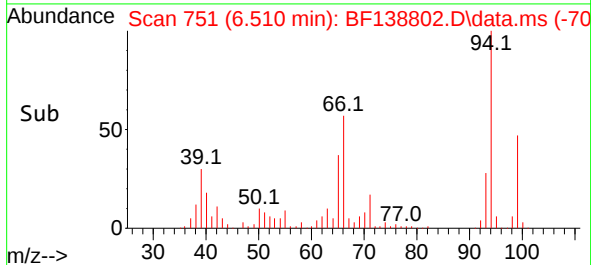
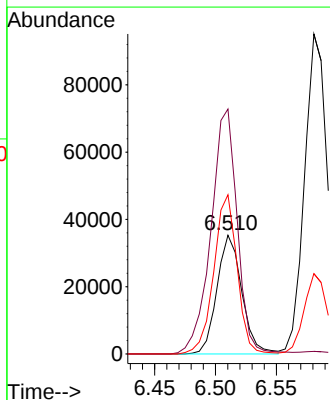
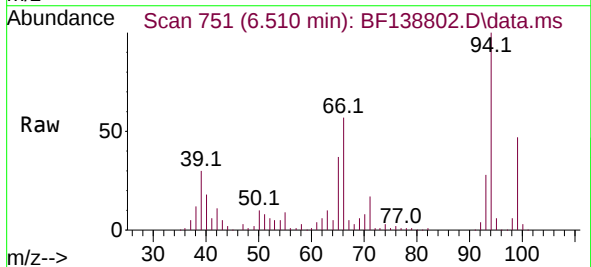
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:112 Resp: 298119
Ion Ratio Lower Upper
112 100
64 65.5 54.2 81.4
63 36.7 28.7 43.1



#6
Aniline
Concen: 17.026 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 93 Resp: 50179
Ion Ratio Lower Upper
93 100
66 206.2 46.9 70.3#
65 134.0 26.5 39.7#

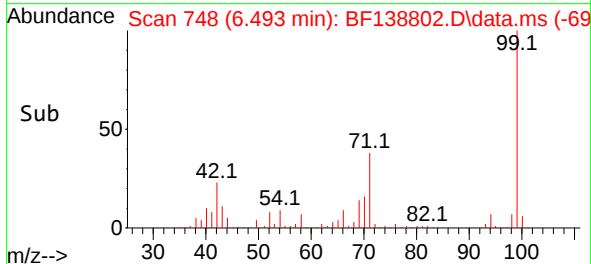
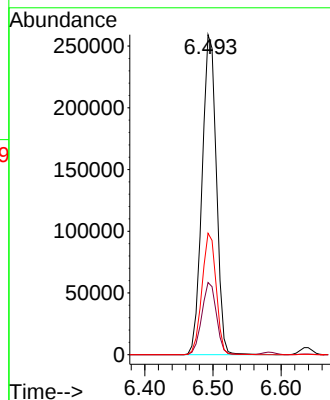
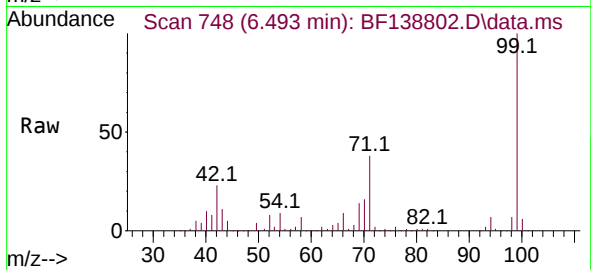




#7
Phenol-d6
Concen: 114.247 ng
RT: 6.493 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

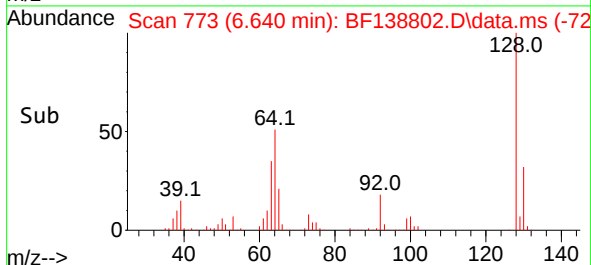
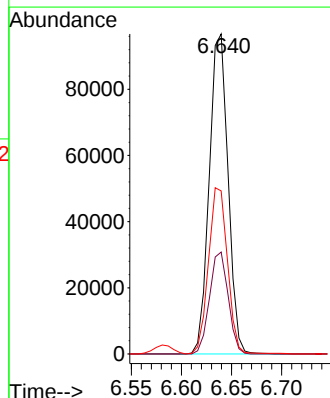
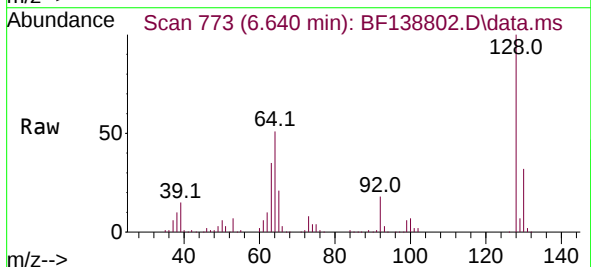
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion: 99 Resp: 377557
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.0
71 38.0 28.1 42.1



#8
2-Chlorophenol
Concen: 48.777 ng
RT: 6.640 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 128 Resp: 126319
Ion Ratio Lower Upper
128 100
130 31.9 12.0 52.0
64 50.9 36.3 76.3





#9

Benzaldehyde

Concen: 3.796 ng

RT: 6.399 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

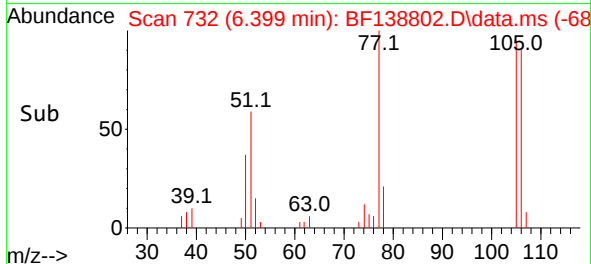
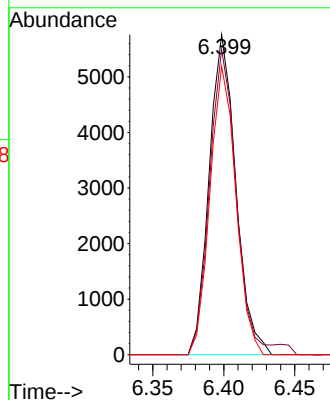
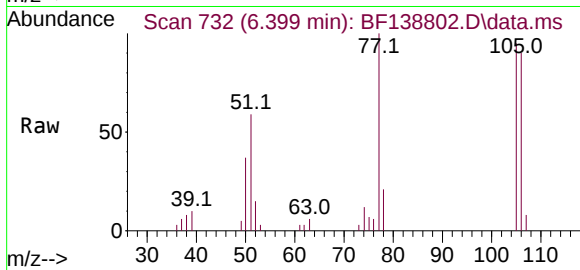
Tgt Ion: 77 Resp: 7519

Ion Ratio Lower Upper

77 100

105 95.4 72.9 112.9

106 90.1 68.4 108.4



#10

Phenol

Concen: 45.752 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.012 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

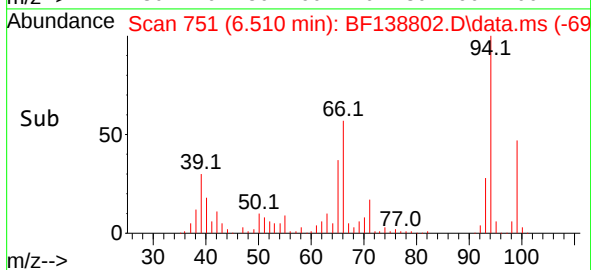
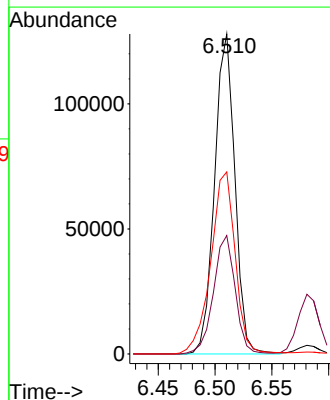
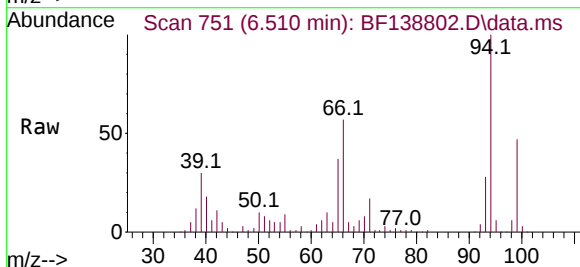
Tgt Ion: 94 Resp: 159193

Ion Ratio Lower Upper

94 100

65 37.0 16.9 56.9

66 56.9 36.5 76.5

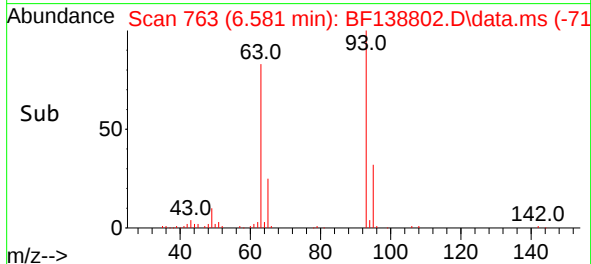
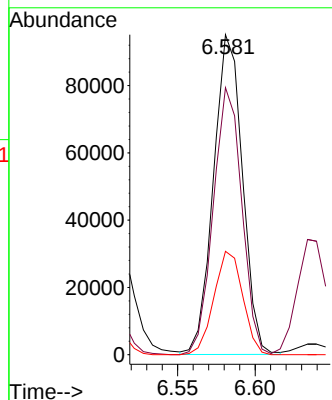
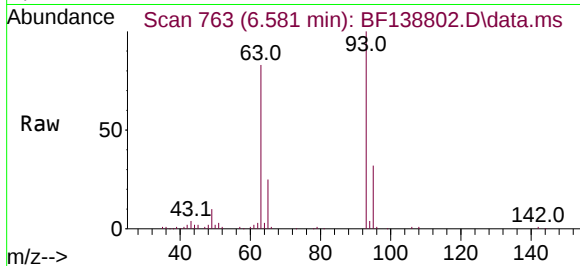




#11
bis(2-Chloroethyl)ether
Concen: 46.207 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

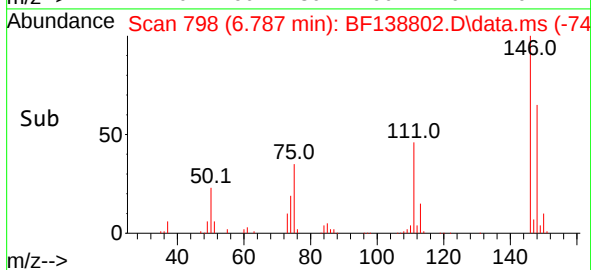
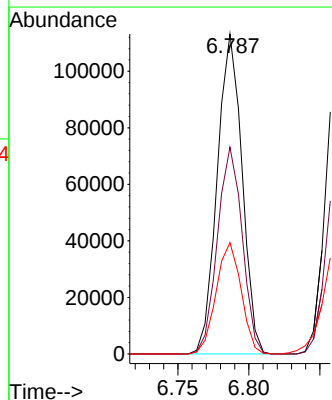
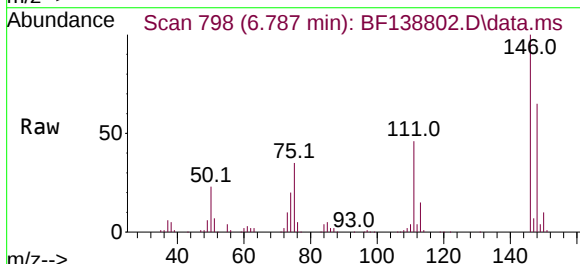
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72-11978MSD

Tgt Ion:	93	Resp:	123724
Ion	Ratio	Lower	Upper
93	100		
63	83.5	65.3	105.3
95	32.3	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 47.401 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:	146	Resp:	137408
Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
75	34.8	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 47.478 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138802.D

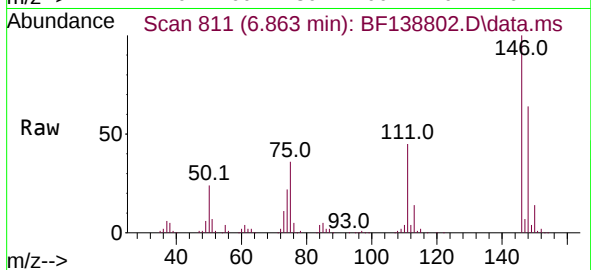
Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD



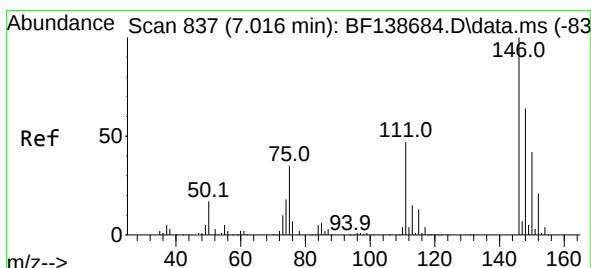
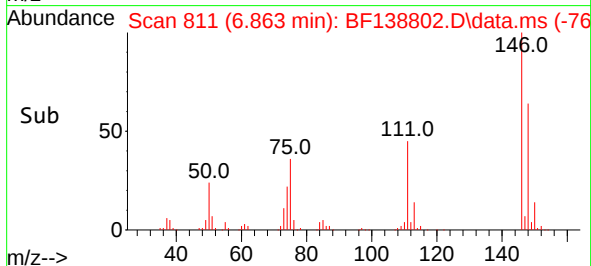
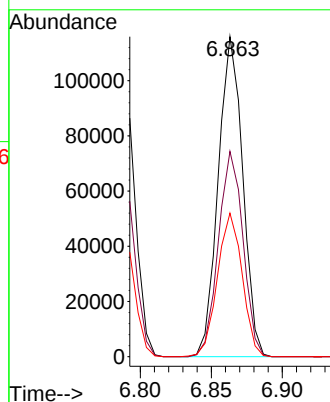
Tgt Ion:146 Resp: 138897

Ion Ratio Lower Upper

146 100

148 64.2 50.2 75.2

111 44.8 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 48.080 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

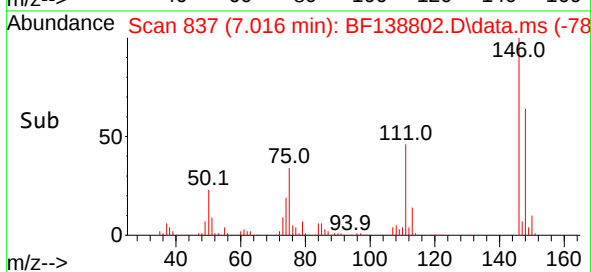
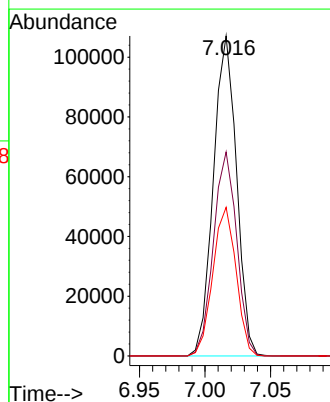
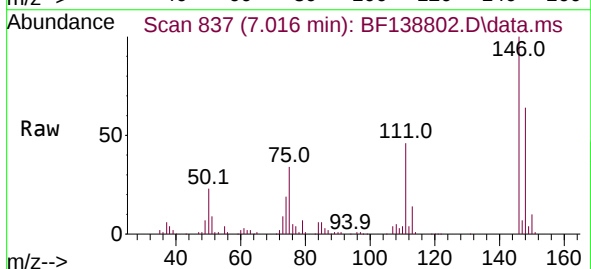
Tgt Ion:146 Resp: 131454

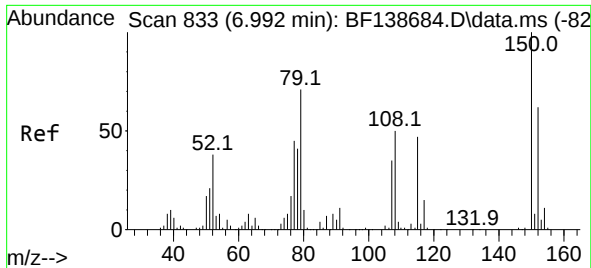
Ion Ratio Lower Upper

146 100

148 63.7 50.8 76.2

111 46.4 37.4 56.2

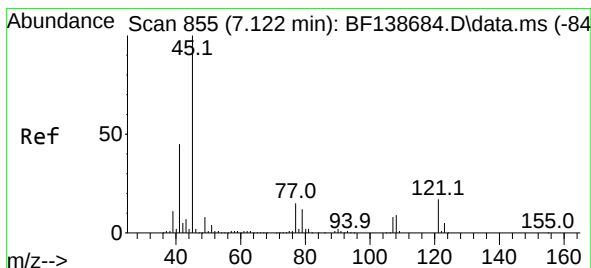
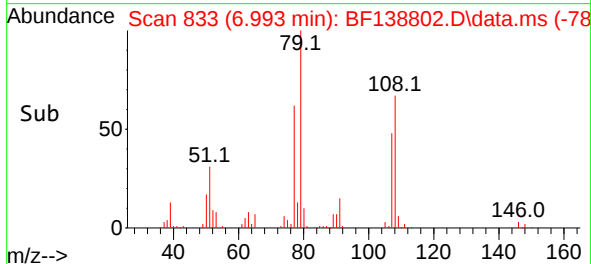
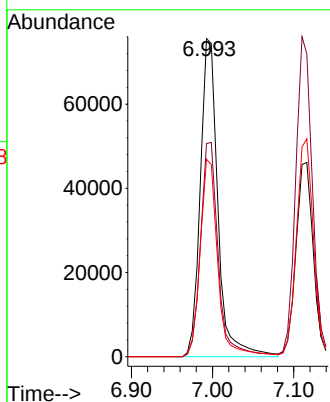
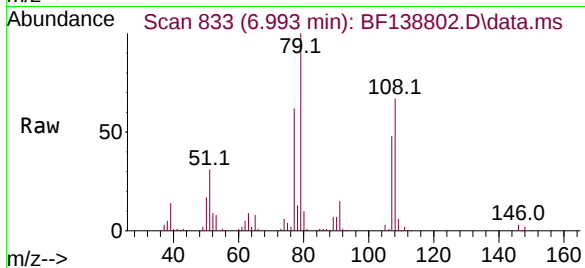




#15
Benzyl Alcohol
Concen: 47.870 ng
RT: 6.993 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

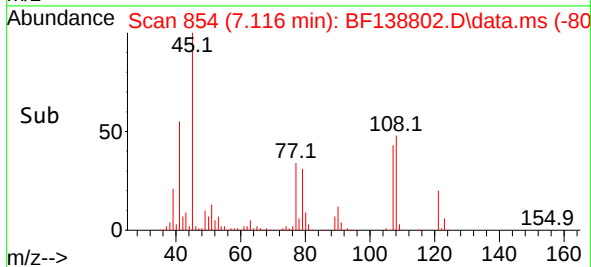
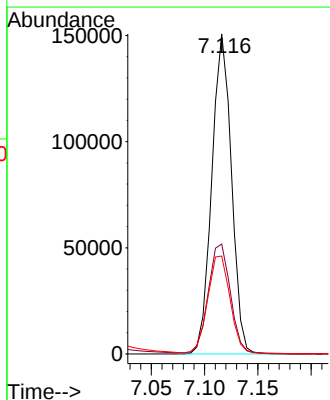
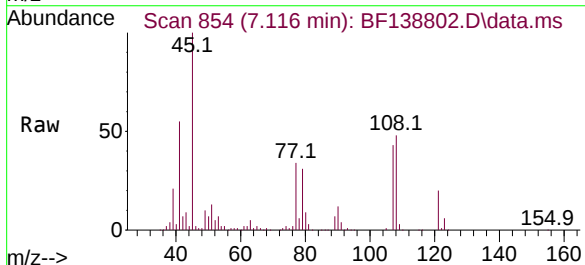
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

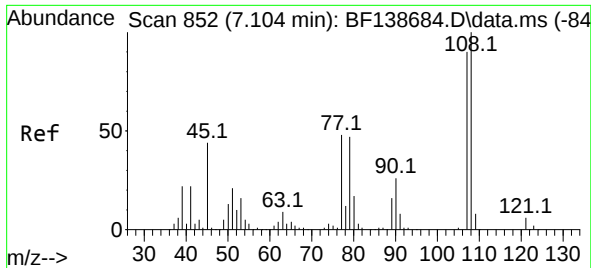
Tgt Ion: 79 Resp: 114020
Ion Ratio Lower Upper
79 100
108 67.0 56.6 85.0
77 62.1 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.842 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 45 Resp: 192809
Ion Ratio Lower Upper
45 100
77 34.4 0.0 34.9
79 30.6 0.0 32.2

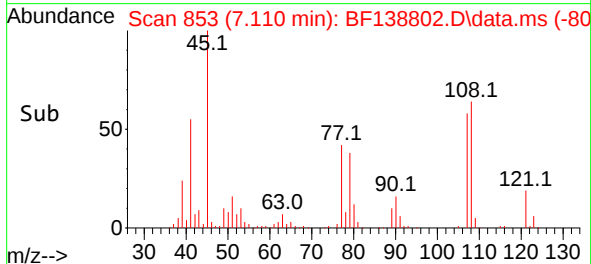
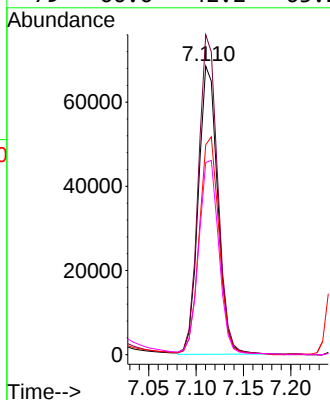
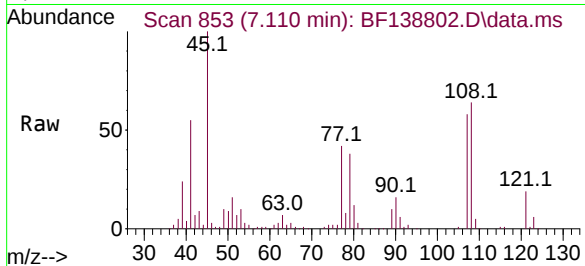




#17
2-Methylphenol
Concen: 45.483 ng
RT: 7.110 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

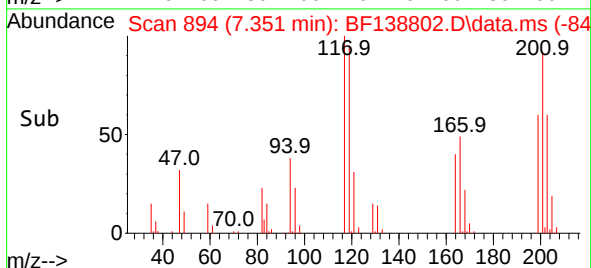
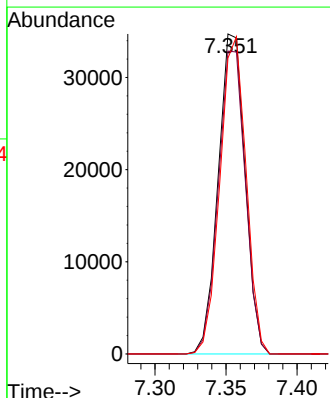
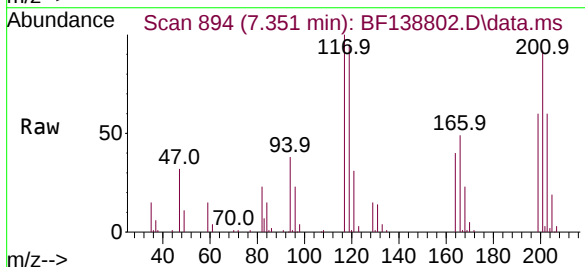
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:	107	Resp:	97263
Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.2	133.8
77	72.7	43.0	64.4#
79	66.6	42.2	63.2#



#18
Hexachloroethane
Concen: 41.374 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:	117	Resp:	45562
Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	111.8
201	92.5	77.2	115.8



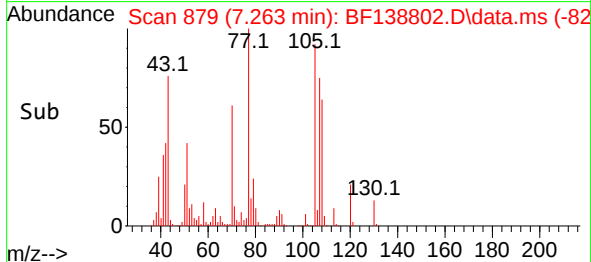
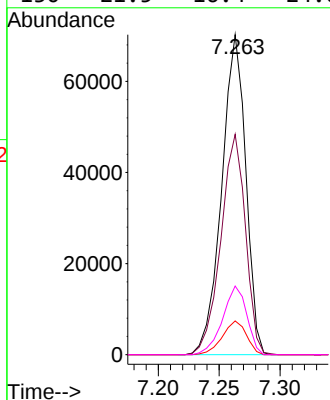
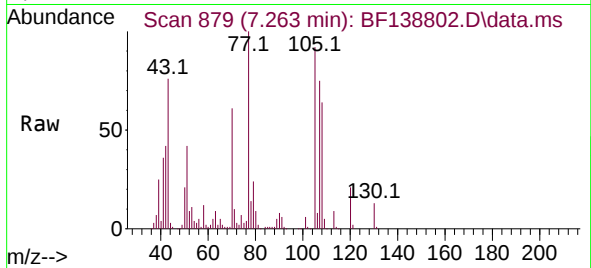


#19
n-Nitroso-di-n-propylamine
Concen: 48.451 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion: 70 Resp: 96707

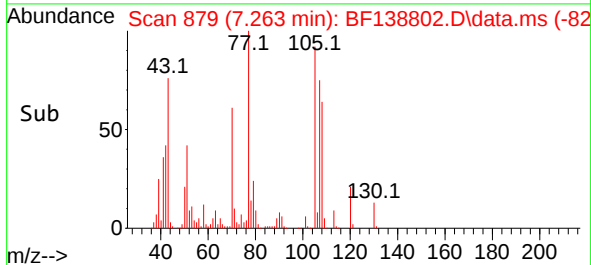
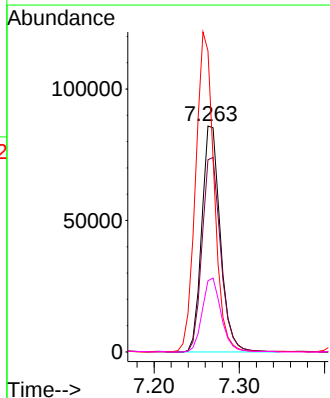
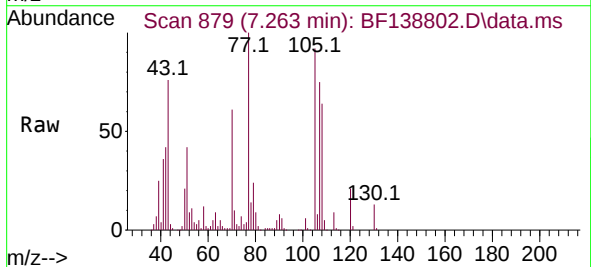
Ion	Ratio	Lower	Upper
70	100		
42	68.8	57.4	86.0
101	10.6	7.5	11.3
130	21.5	16.4	24.6

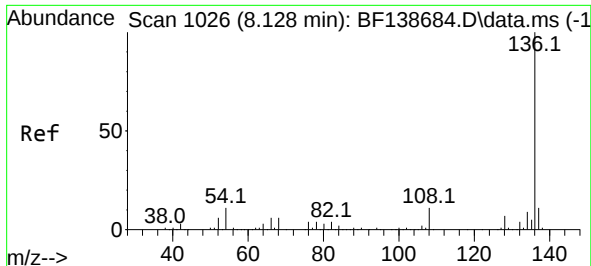


#20
3+4-Methylphenols
Concen: 47.343 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 107 Resp: 129894

Ion	Ratio	Lower	Upper
107	100		
108	85.1	68.2	108.2
77	133.2	132.1	172.1
79	31.5	11.5	51.5





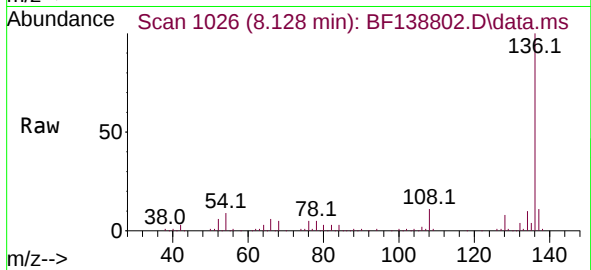
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Instrument :

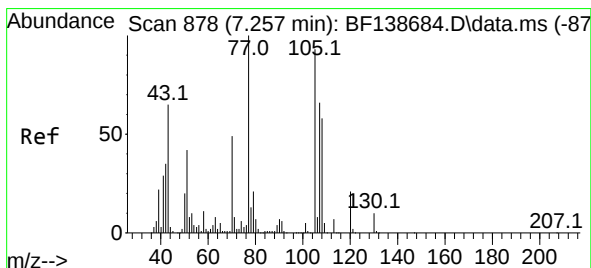
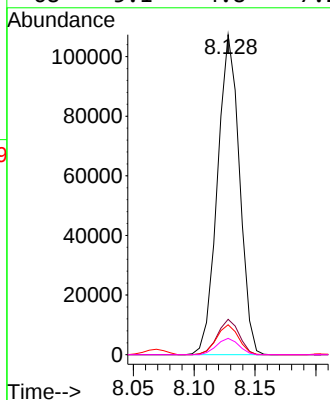
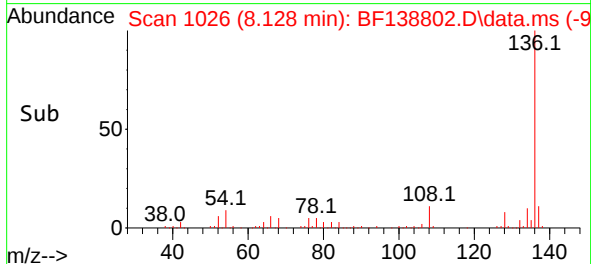
BNA_F

ClientSampleId :

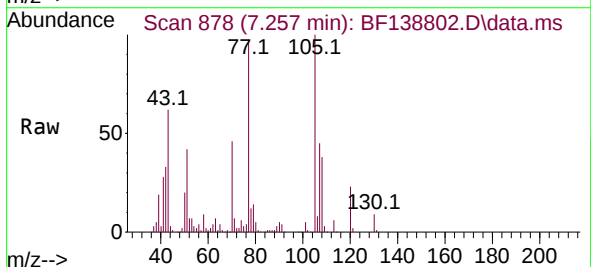
72-11978MSD



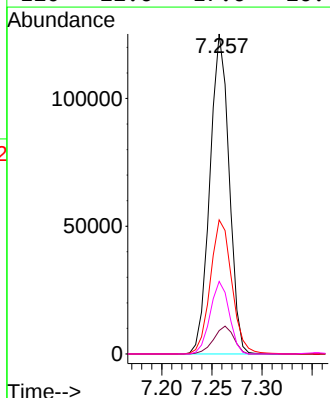
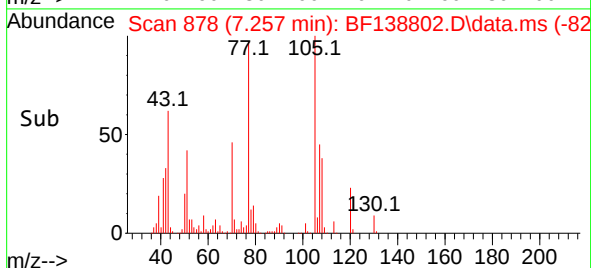
Tgt Ion:	136	Resp:	135117
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.4	8.6	12.8
68	5.1	4.8	7.2

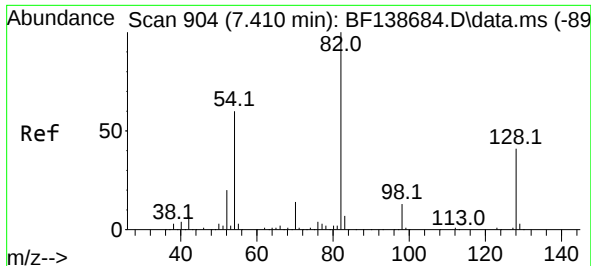


#22
Acetophenone
Concen: 50.540 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12



Tgt Ion:	105	Resp:	167202
Ion	Ratio	Lower	Upper
105	100		
71	7.3	7.2	10.8
51	41.9	35.9	53.9
120	22.6	17.6	26.4





#23

Nitrobenzene-d5

Concen: 84.011 ng

RT: 7.416 min Scan# 904

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

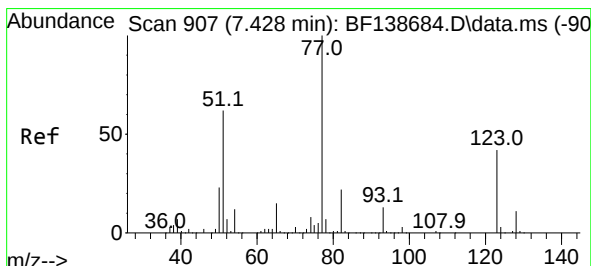
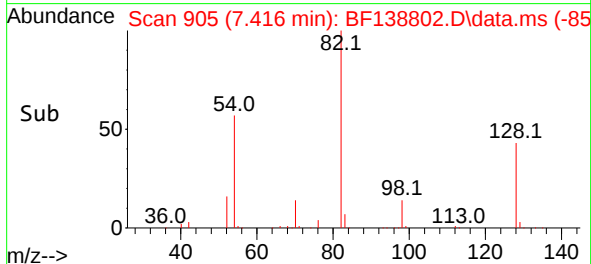
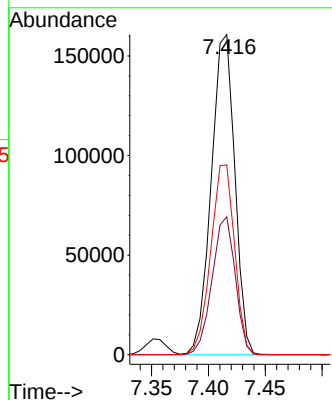
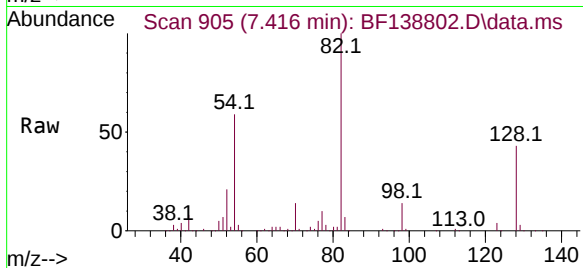
Tgt Ion: 82 Resp: 232174

Ion Ratio Lower Upper

82 100

128 43.1 32.8 49.2

54 59.3 48.3 72.5



#24

Nitrobenzene

Concen: 48.576 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

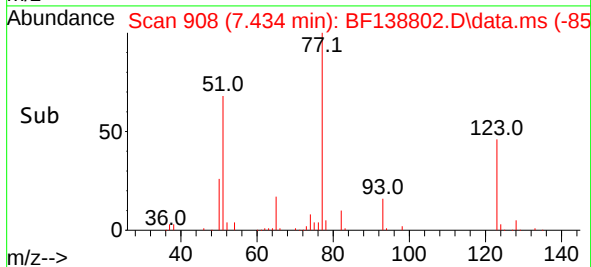
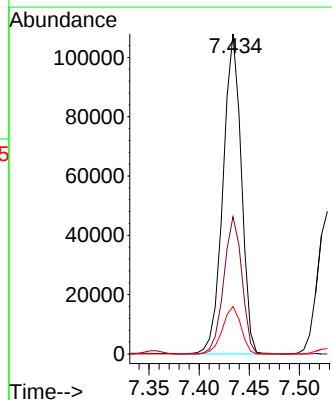
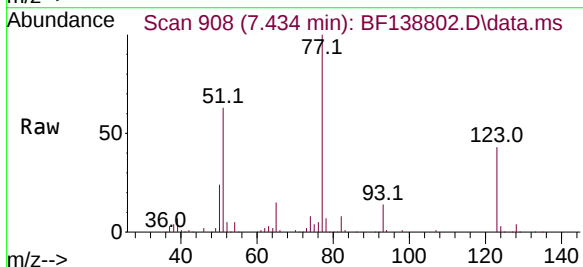
Tgt Ion: 77 Resp: 136604

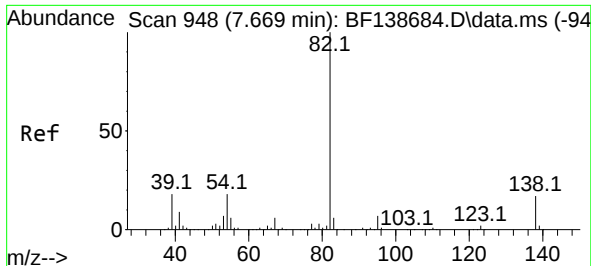
Ion Ratio Lower Upper

77 100

123 42.9 33.3 49.9

65 14.8 11.9 17.9

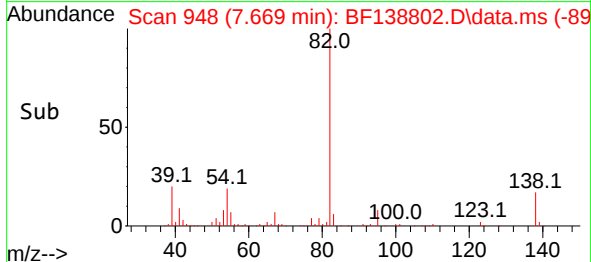
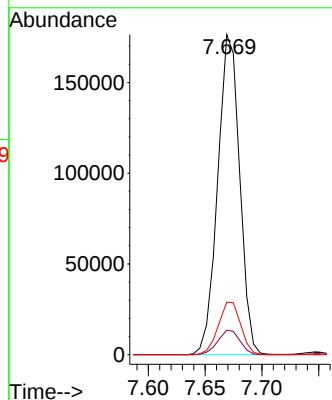
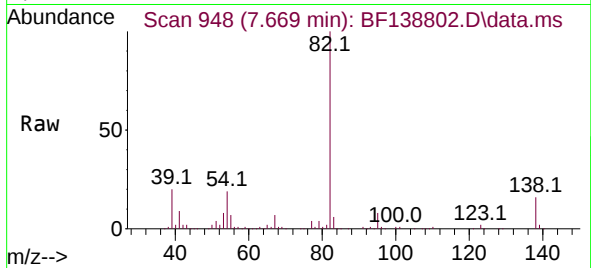




#25
Isophorone
Concen: 50.313 ng
RT: 7.669 min Scan# 948
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

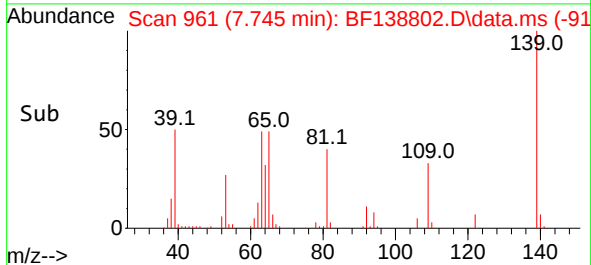
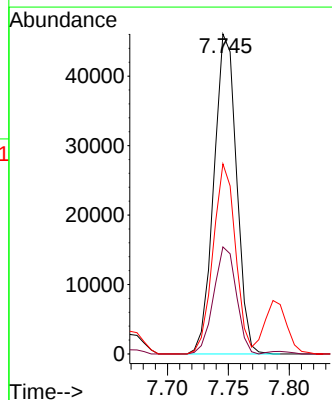
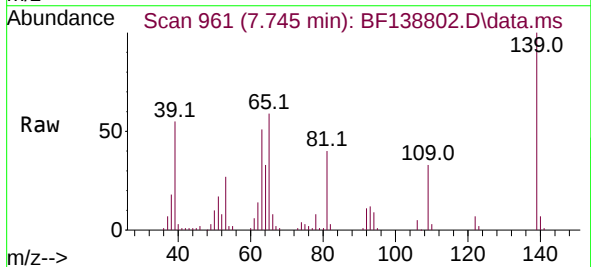
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

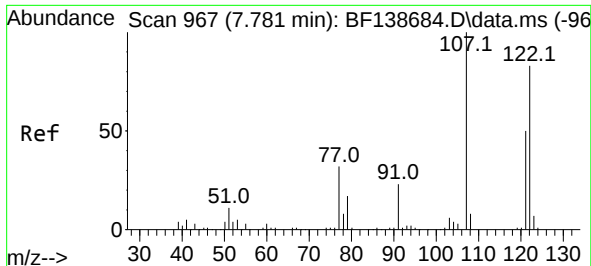
Tgt Ion: 82 Resp: 237426
Ion Ratio Lower Upper
82 100
95 7.7 5.7 8.5
138 16.4 13.7 20.5



#26
2-Nitrophenol
Concen: 49.243 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 139 Resp: 59578
Ion Ratio Lower Upper
139 100
109 33.4 25.9 38.9
65 59.4 47.0 70.6

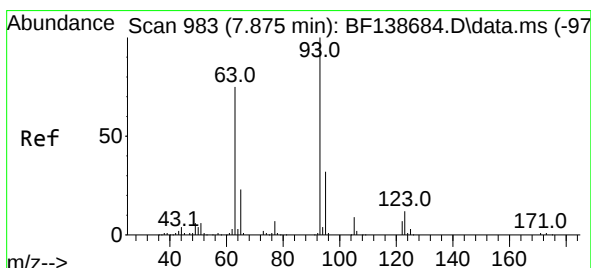
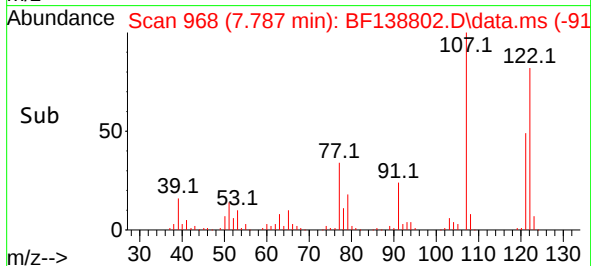
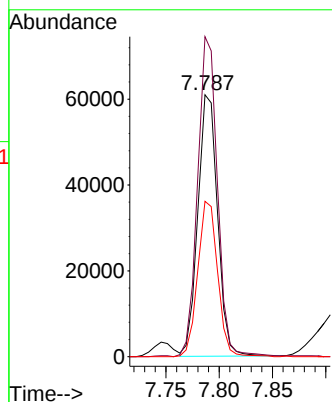
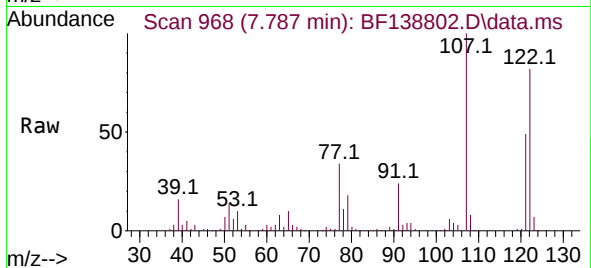




#27
2,4-Dimethylphenol
Concen: 54.341 ng
RT: 7.787 min Scan# 967
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

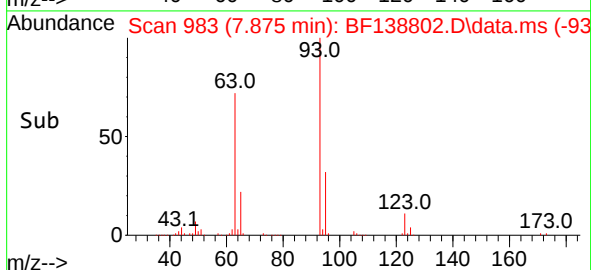
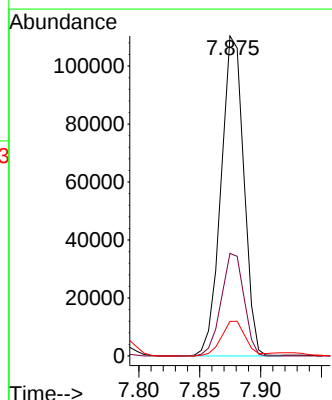
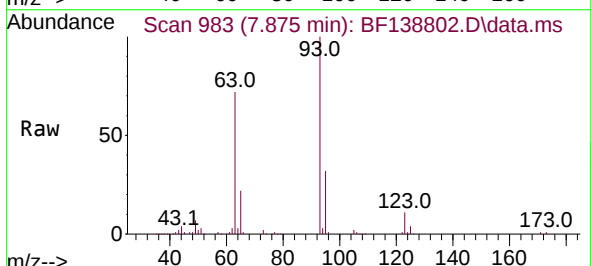
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:122 Resp: 78664
Ion Ratio Lower Upper
122 100
107 122.2 95.0 142.6
121 59.3 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 50.079 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 93 Resp: 143914
Ion Ratio Lower Upper
93 100
95 32.1 25.8 38.8
123 10.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 49.269 ng

RT: 7.998 min Scan# 1004

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

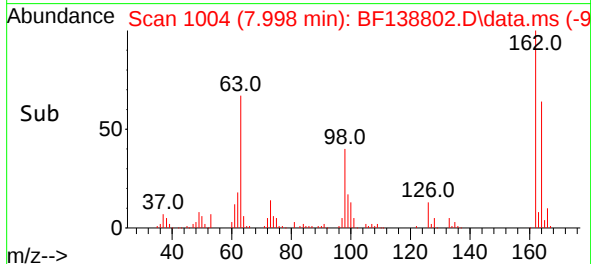
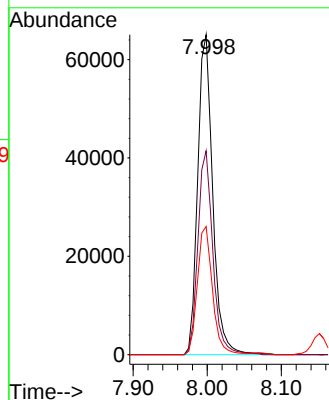
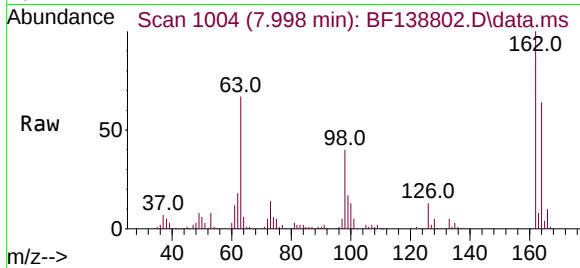
Tgt Ion:162 Resp: 91648

Ion Ratio Lower Upper

162 100

164 63.7 44.7 84.7

98 40.0 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 49.664 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

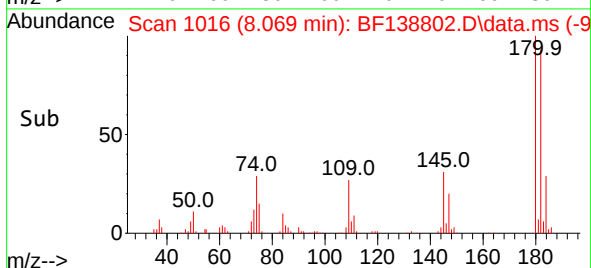
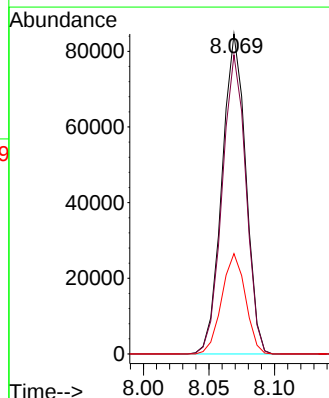
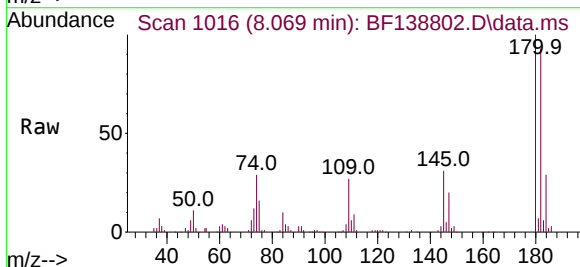
Tgt Ion:180 Resp: 106611

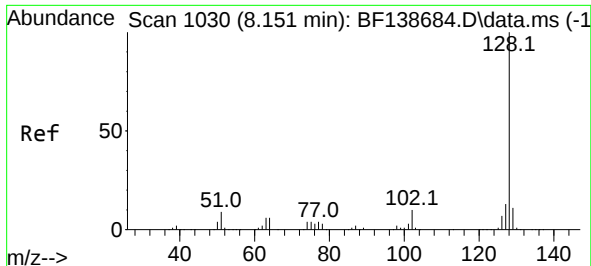
Ion Ratio Lower Upper

180 100

182 93.5 76.9 115.3

145 31.4 25.0 37.4

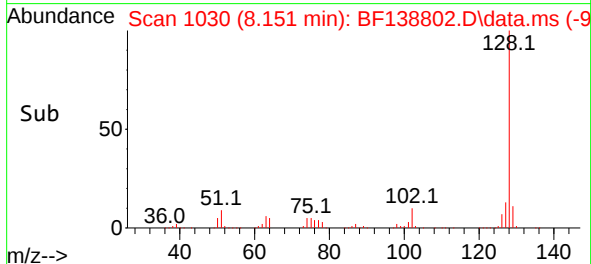
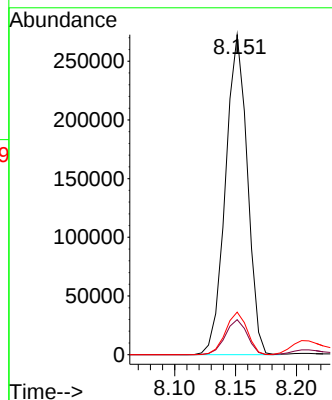
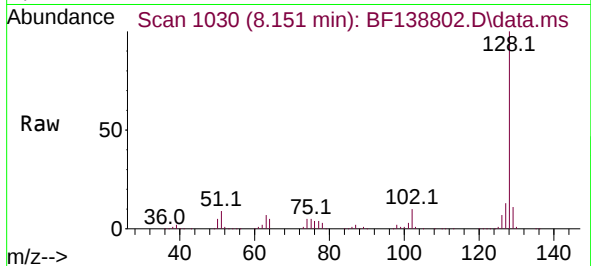




#31
Naphthalene
Concen: 47.793 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

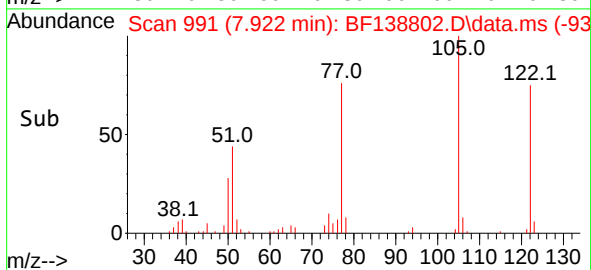
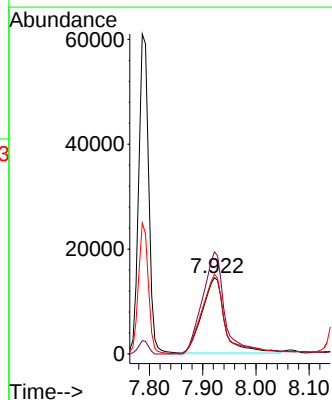
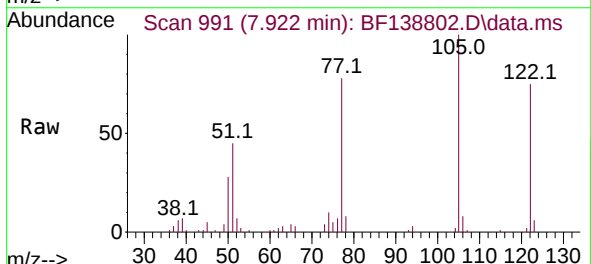
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

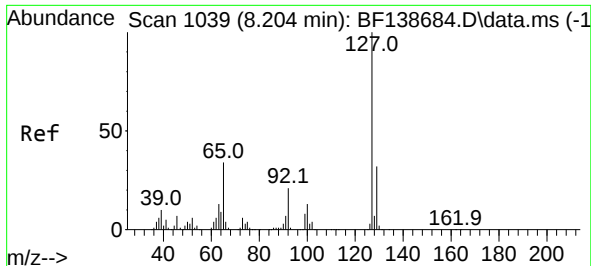
Tgt Ion:128 Resp: 339910
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 37.338 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.018 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:122 Resp: 42488
Ion Ratio Lower Upper
122 100
105 133.7 106.7 146.7
77 104.3 81.1 121.1





#33

4-Chloroaniline

Concen: 12.128 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

Tgt Ion:127 Resp: 28953

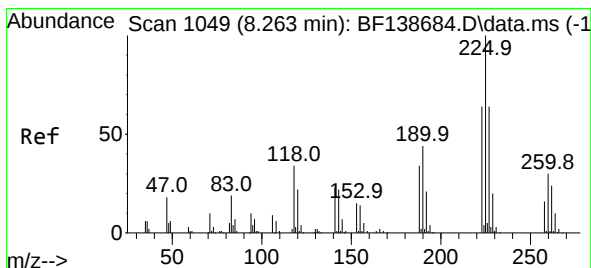
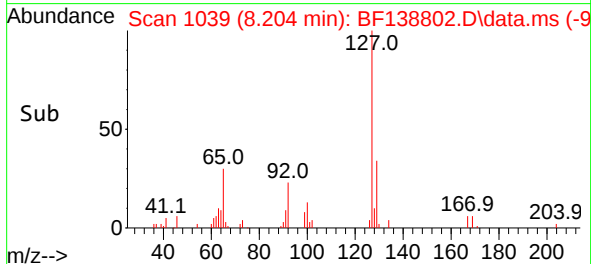
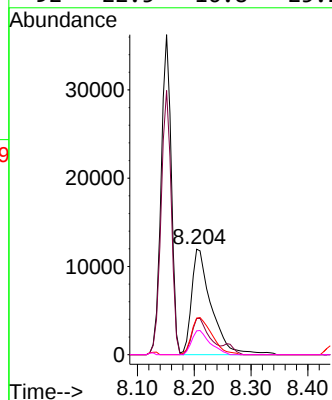
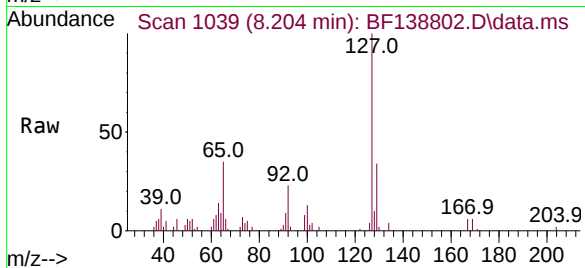
Ion Ratio Lower Upper

127 100

129 34.3 25.9 38.9

65 34.8 27.6 41.4

92 22.5 16.8 25.2



#34

Hexachlorobutadiene

Concen: 51.375 ng

RT: 8.263 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

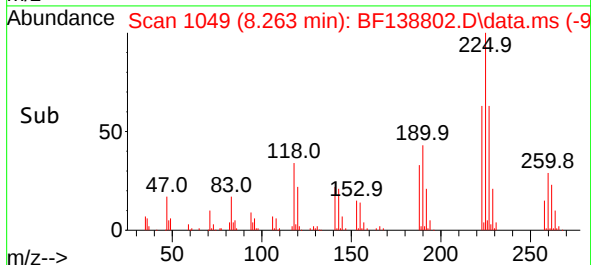
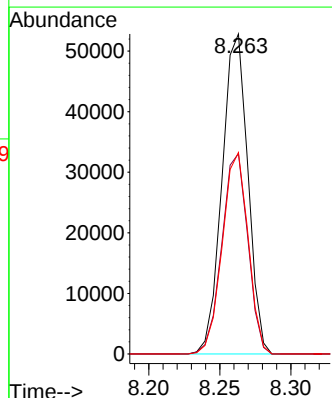
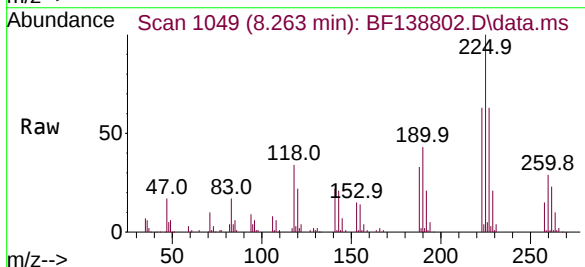
Tgt Ion:225 Resp: 66799

Ion Ratio Lower Upper

225 100

223 62.6 51.2 76.8

227 63.0 51.1 76.7

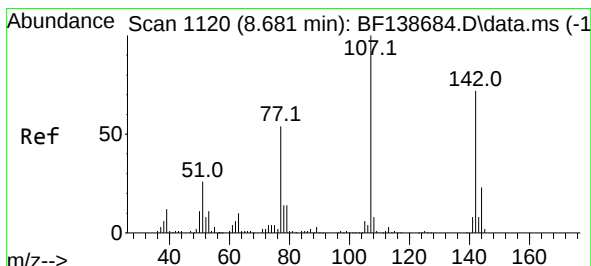
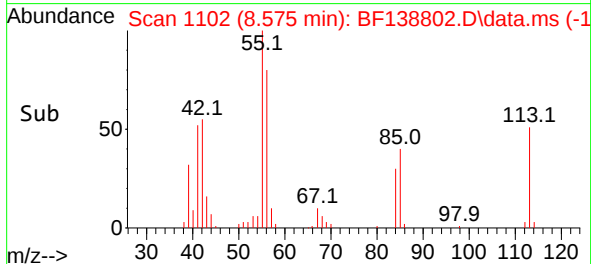
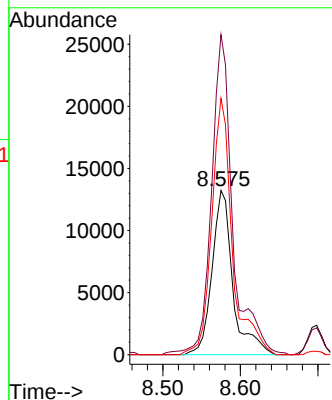
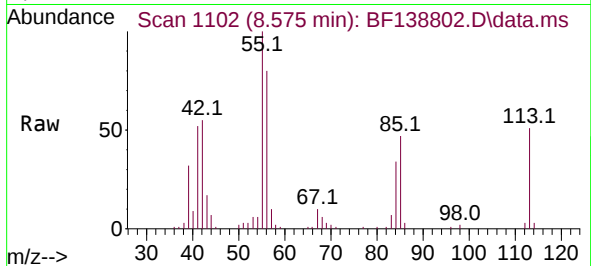




#35
Caprolactam
Concen: 44.472 ng
RT: 8.575 min Scan# 1101
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

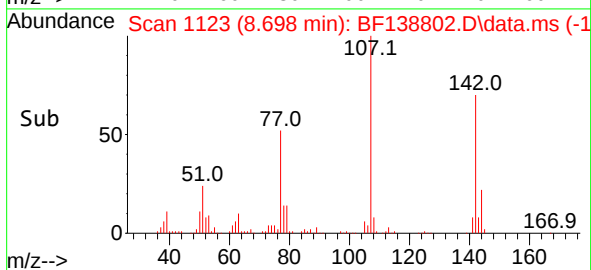
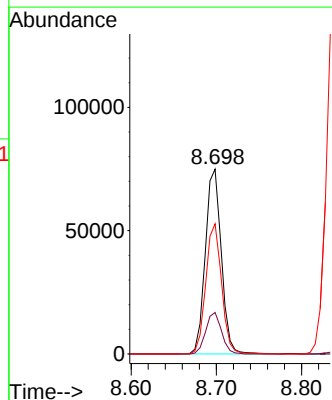
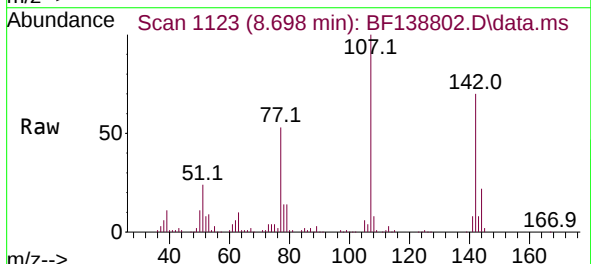
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

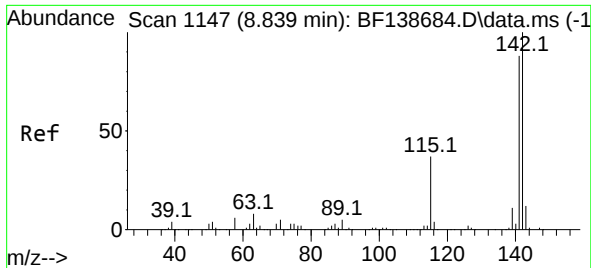
Tgt Ion:113 Resp: 24684
Ion Ratio Lower Upper
113 100
55 194.9 186.7 226.7
56 156.1 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 46.053 ng
RT: 8.698 min Scan# 1123
Delta R.T. 0.018 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:107 Resp: 97902
Ion Ratio Lower Upper
107 100
144 22.4 18.2 27.2
142 70.5 57.4 86.2

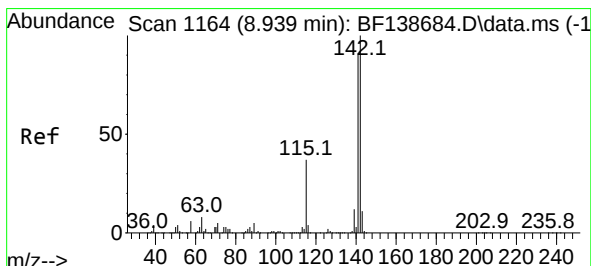
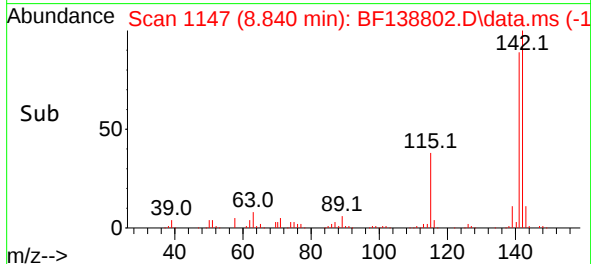
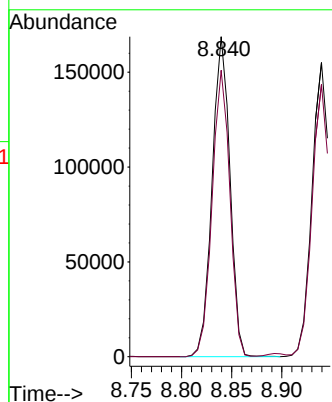
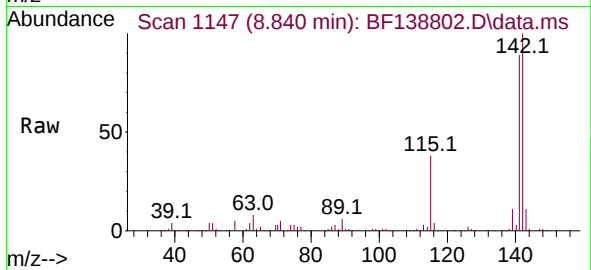




#37
2-Methylnaphthalene
Concen: 46.439 ng
RT: 8.840 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

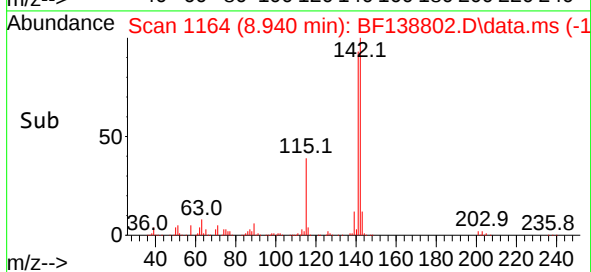
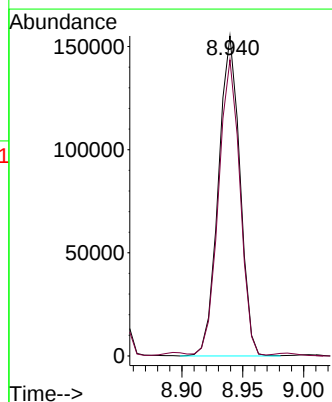
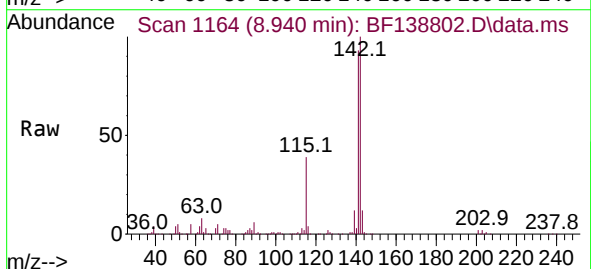
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:142 Resp: 208589
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2



#38
1-Methylnaphthalene
Concen: 43.312 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:142 Resp: 190635
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7

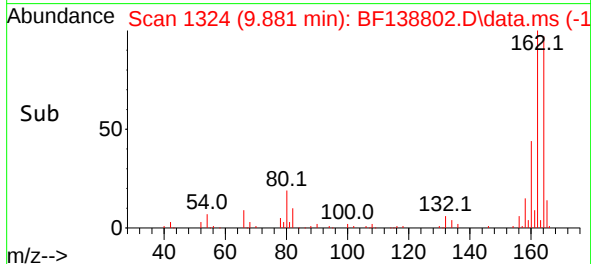
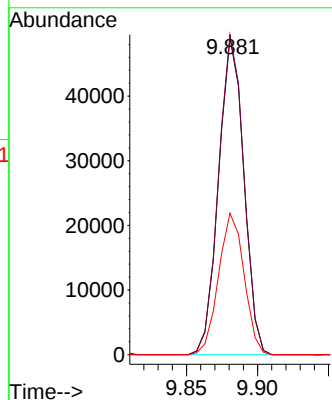
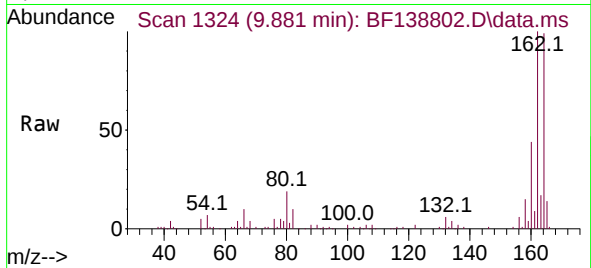




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1175
Delta R.T. 0.001 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

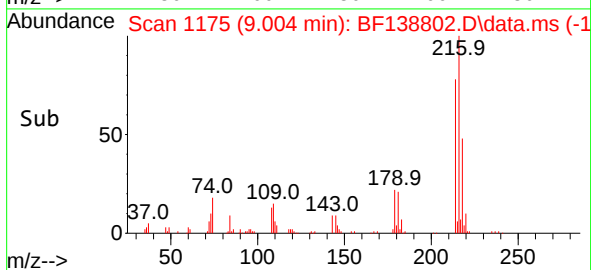
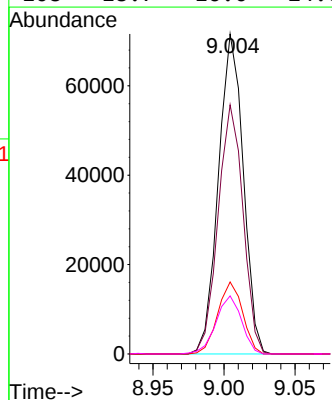
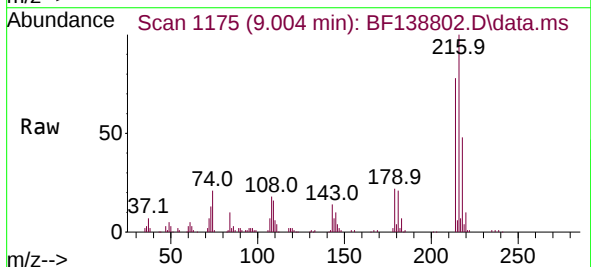
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

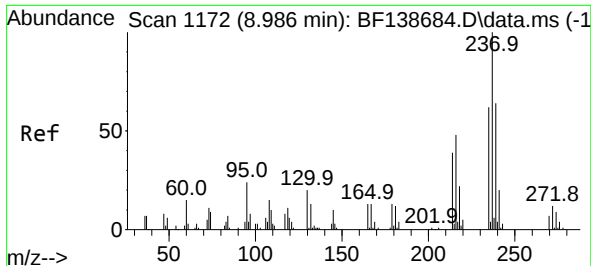
Tgt Ion:164 Resp: 60362
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.0
160 44.6 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.878 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

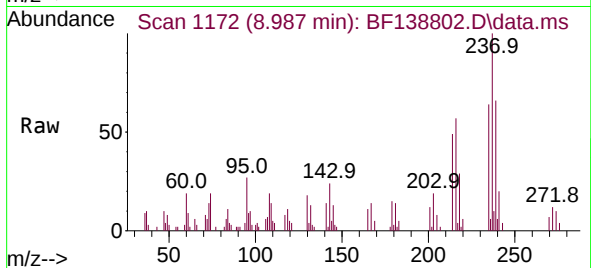
Tgt Ion:216 Resp: 86989
Ion Ratio Lower Upper
216 100
214 78.1 63.9 95.9
179 22.5 17.8 26.6
108 18.7 16.0 24.0



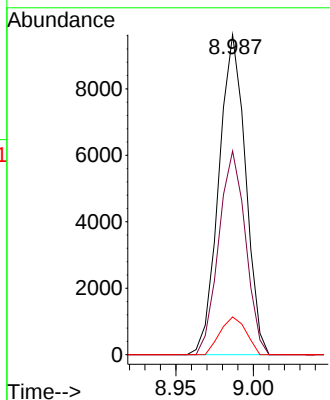
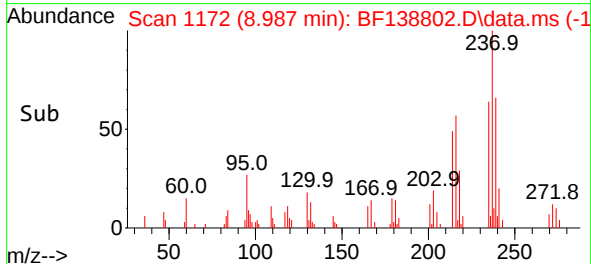


#41
Hexachlorocyclopentadiene
Concen: 30.681 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.001 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

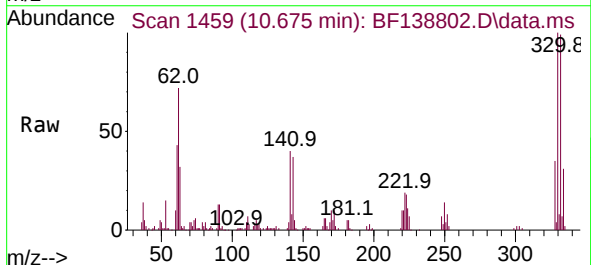
Instrument :
BNA_F
ClientSampleId :
72-11978MSD



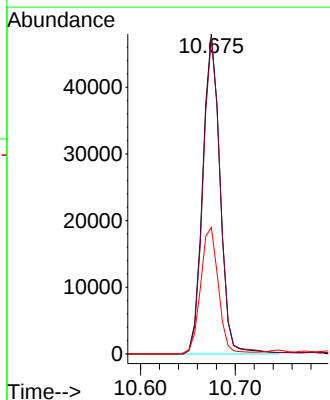
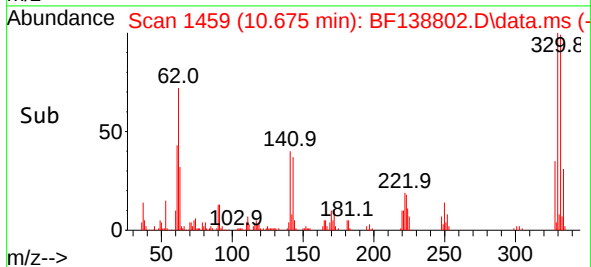
Tgt Ion:237 Resp: 11529
Ion Ratio Lower Upper
237 100
235 63.7 41.8 81.8
272 11.8 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 123.134 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12



Tgt Ion:330 Resp: 60883
Ion Ratio Lower Upper
330 100
332 99.0 76.4 114.6
141 40.8 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 55.120 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

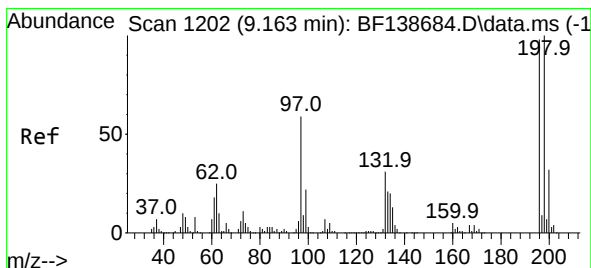
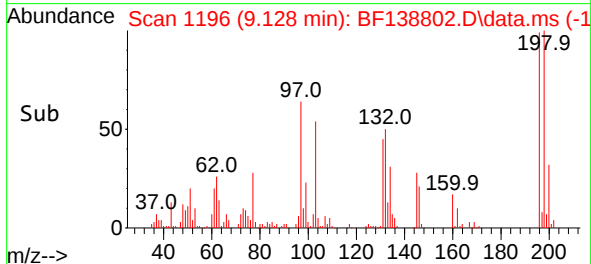
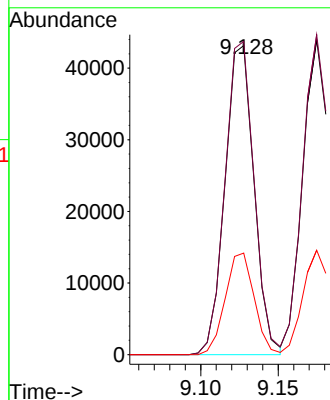
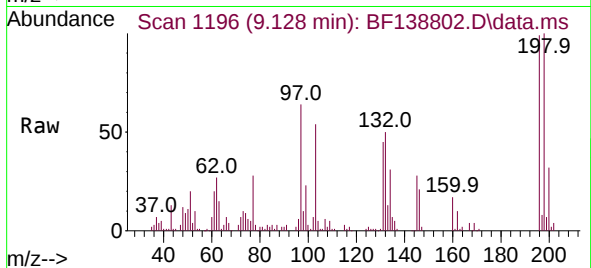
Tgt Ion:196 Resp: 56352

Ion Ratio Lower Upper

196 100

198 101.3 80.5 120.7

200 32.9 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 51.579 ng

RT: 9.175 min Scan# 1204

Delta R.T. 0.012 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Tgt Ion:196 Resp: 57647

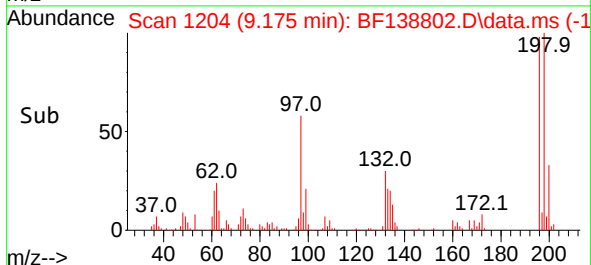
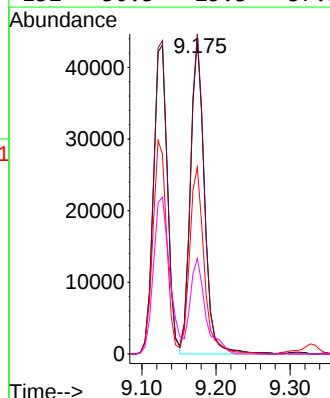
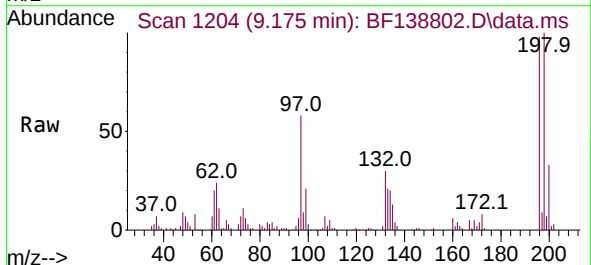
Ion Ratio Lower Upper

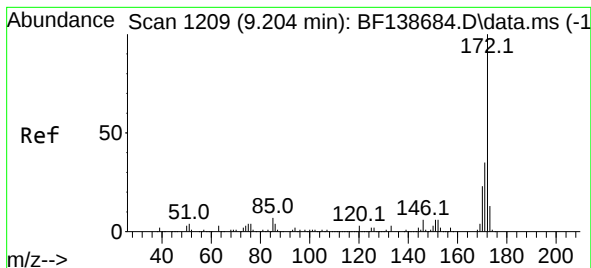
196 100

198 101.6 81.2 121.8

97 59.3 47.8 71.6

132 30.3 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 95.731 ng

RT: 9.204 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

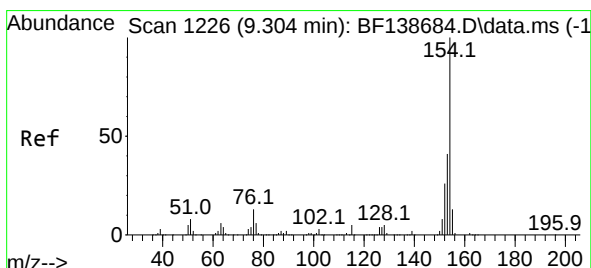
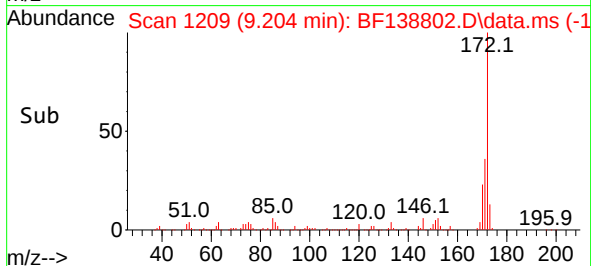
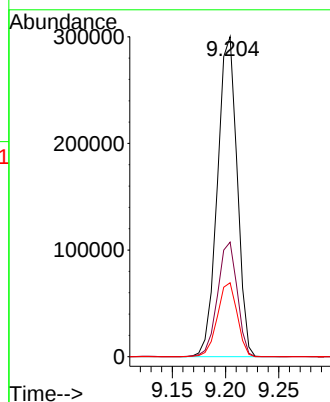
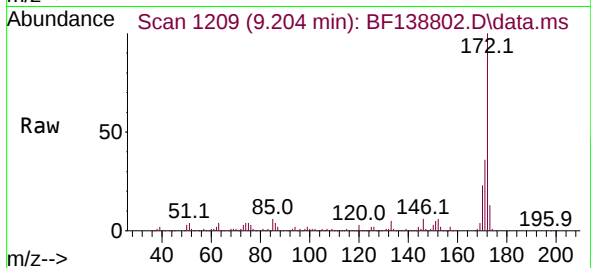
Tgt Ion:172 Resp: 384595

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.1 18.8 28.2



#46

1,1'-Biphenyl

Concen: 50.146 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

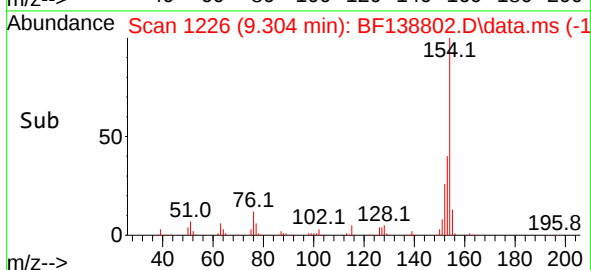
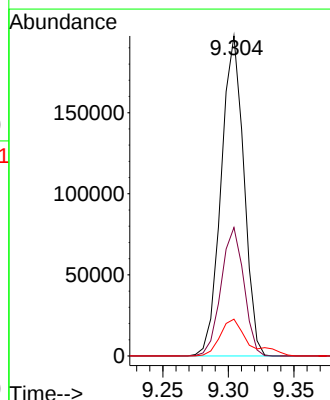
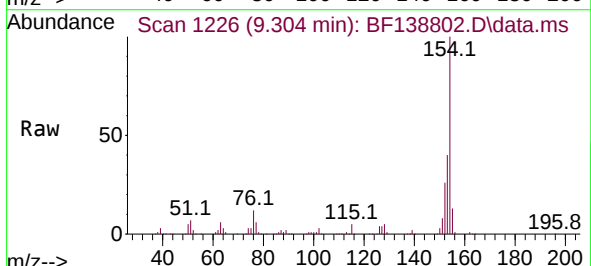
Tgt Ion:154 Resp: 237064

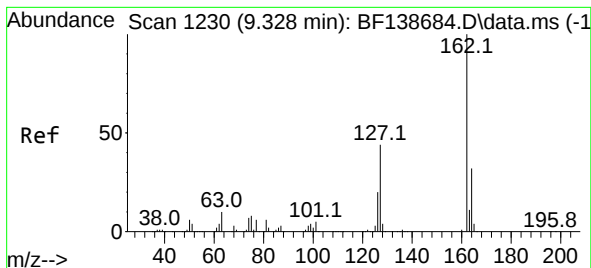
Ion Ratio Lower Upper

154 100

153 40.2 20.8 60.8

76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 51.066 ng

RT: 9.328 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

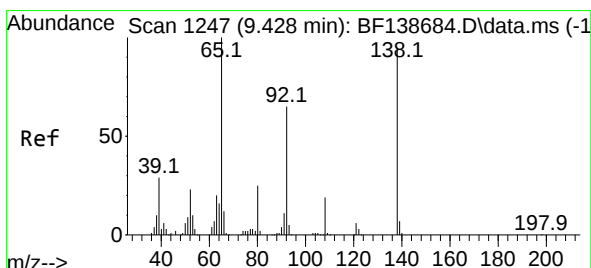
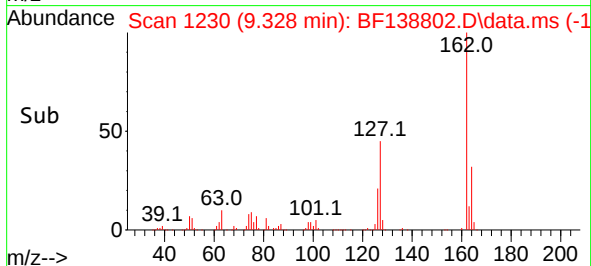
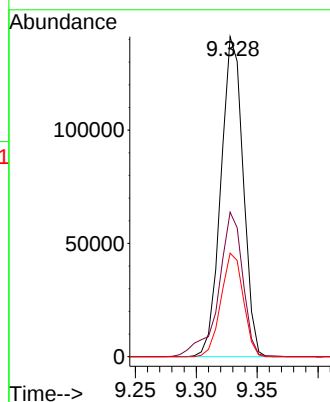
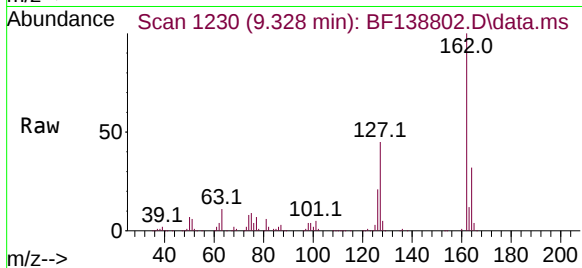
Tgt Ion:162 Resp: 179546

Ion Ratio Lower Upper

162 100

127 45.2 35.4 53.2

164 32.4 25.6 38.4



#48

2-Nitroaniline

Concen: 52.950 ng

RT: 9.434 min Scan# 1248

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

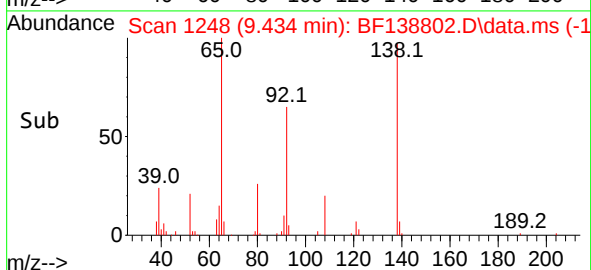
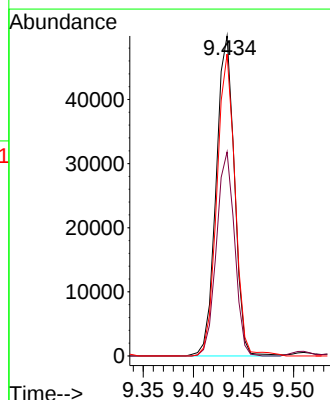
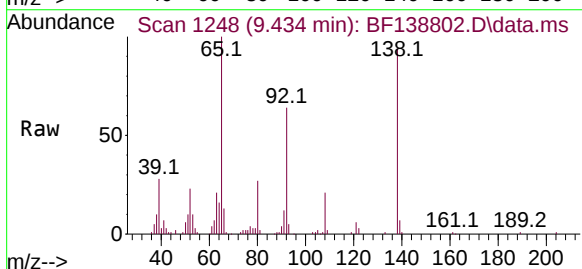
Tgt Ion: 65 Resp: 63114

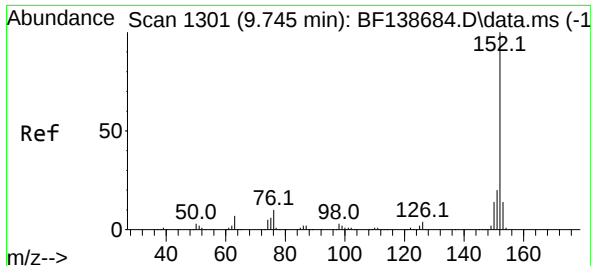
Ion Ratio Lower Upper

65 100

92 63.8 52.0 78.0

138 94.3 76.2 114.4





#49

Acenaphthylene

Concen: 54.817 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138802.D

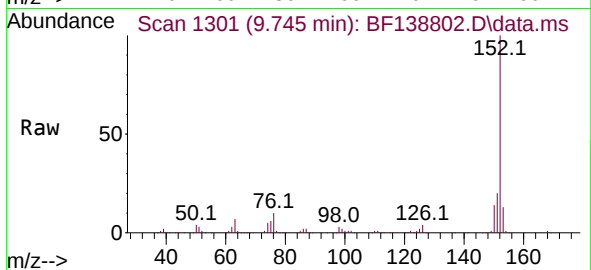
Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD



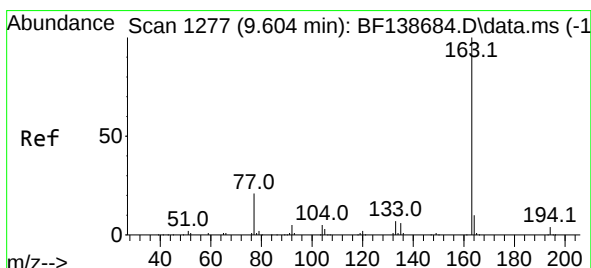
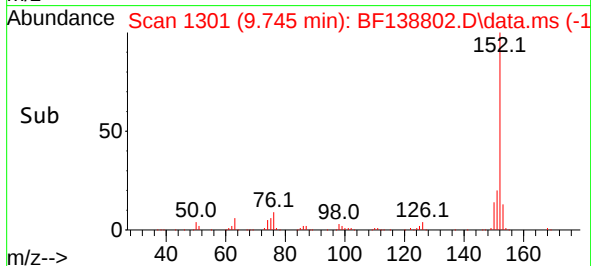
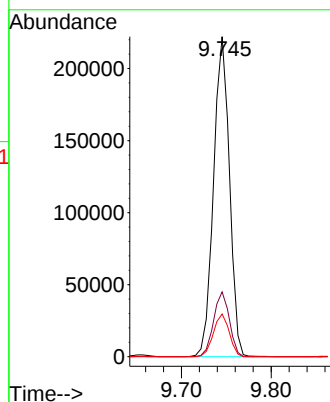
Tgt Ion:152 Resp: 273353

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

153 13.3 11.0 16.4



#50

Dimethylphthalate

Concen: 56.919 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

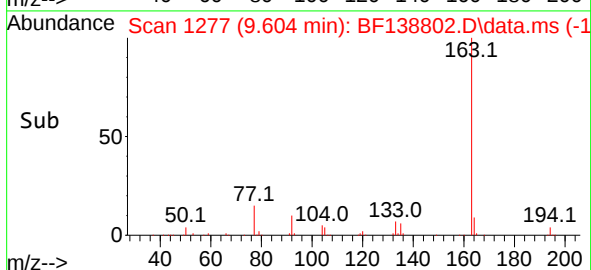
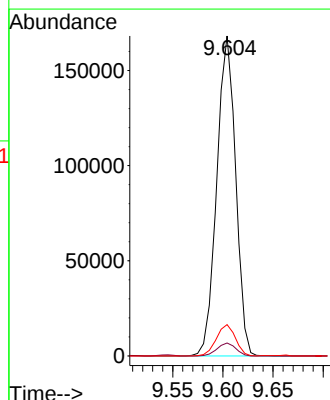
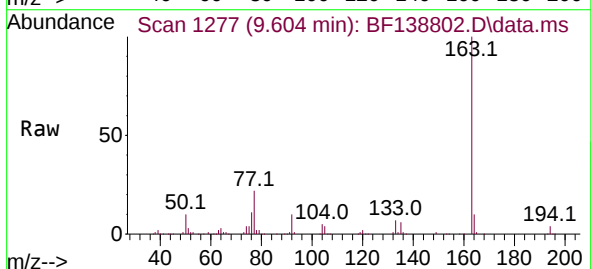
Tgt Ion:163 Resp: 219686

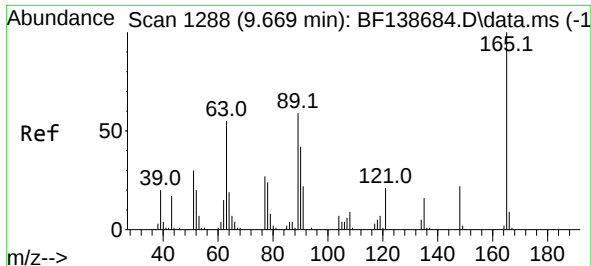
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 48.085 ng

RT: 9.675 min Scan# 1289

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

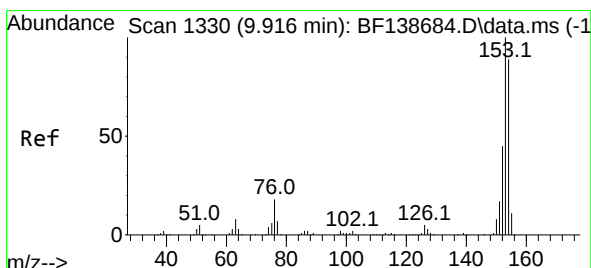
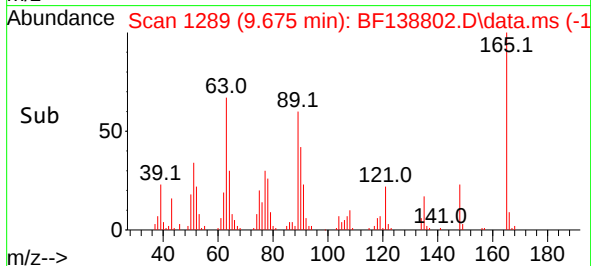
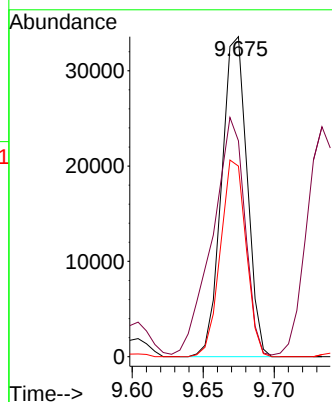
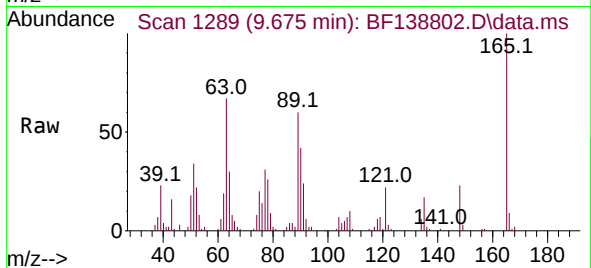
Tgt Ion:165 Resp: 41884

Ion Ratio Lower Upper

165 100

63 67.5 52.0 78.0

89 59.5 47.0 70.6



#52

Acenaphthene

Concen: 50.329 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

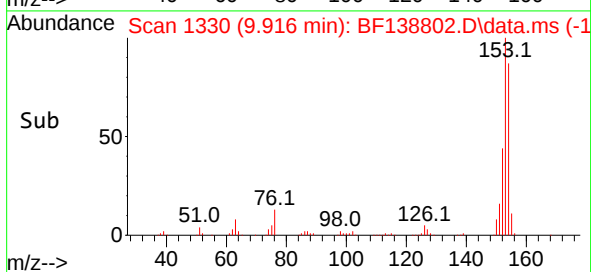
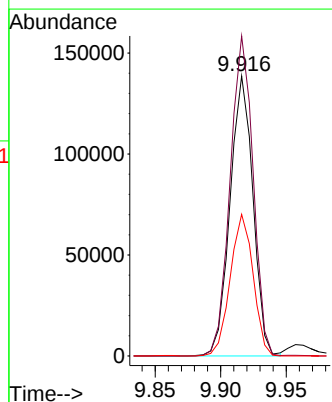
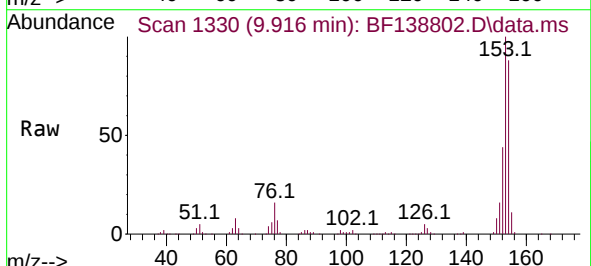
Tgt Ion:154 Resp: 168709

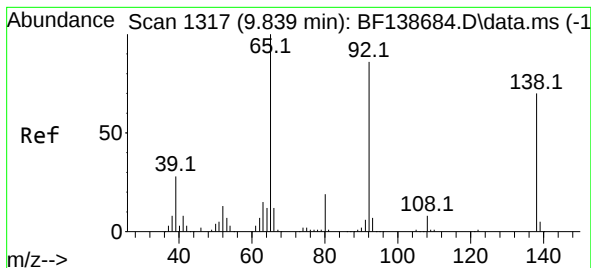
Ion Ratio Lower Upper

154 100

153 114.3 89.9 134.9

152 50.6 40.6 60.8





#53

3-Nitroaniline

Concen: 35.186 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

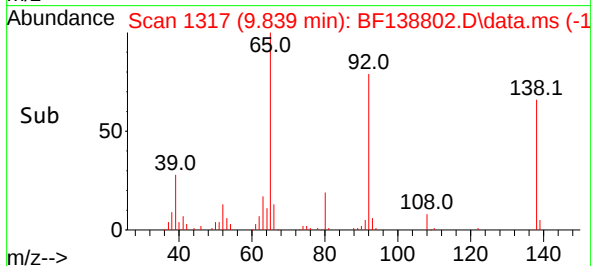
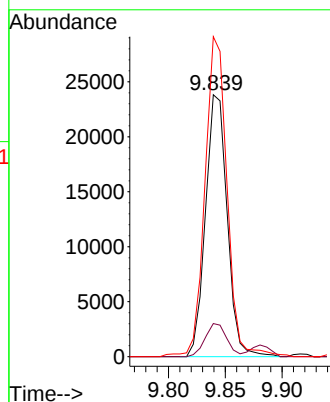
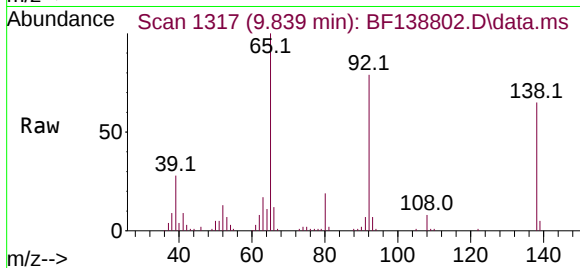
Tgt Ion:138 Resp: 31684

Ion Ratio Lower Upper

138 100

108 12.6 9.1 13.7

92 122.2 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 27.997 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

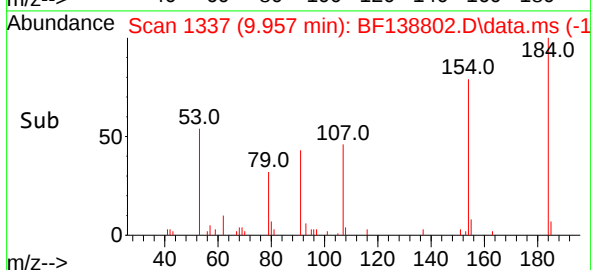
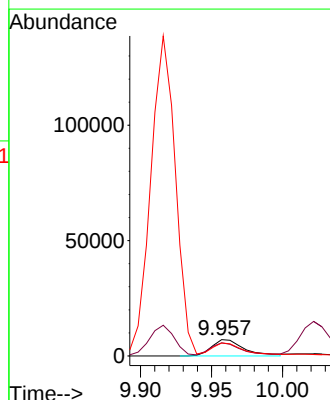
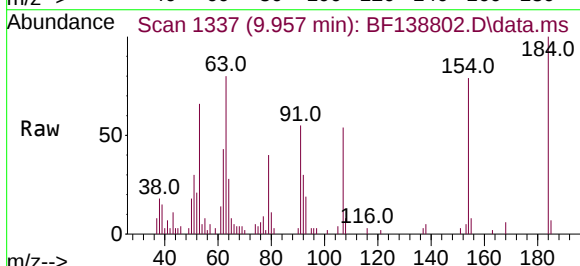
Tgt Ion:184 Resp: 11226

Ion Ratio Lower Upper

184 100

63 80.1 57.5 86.3

154 79.2 51.7 77.5#

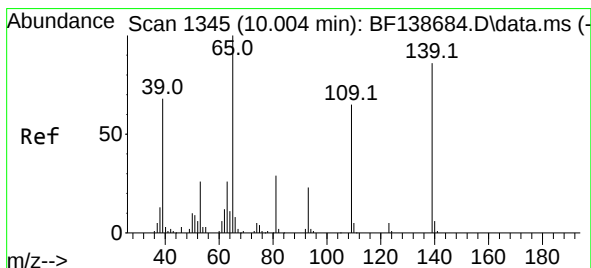
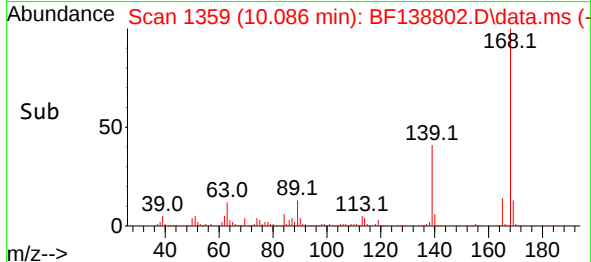
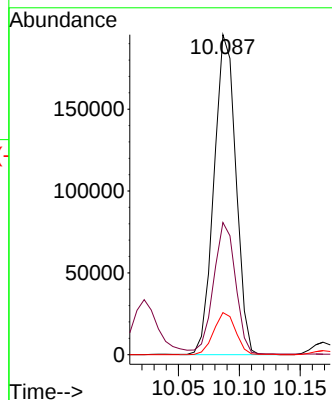
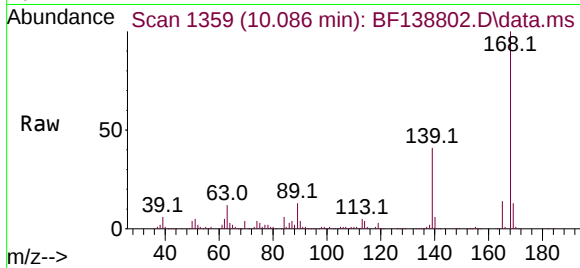




#55
Dibenzofuran
Concen: 51.747 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

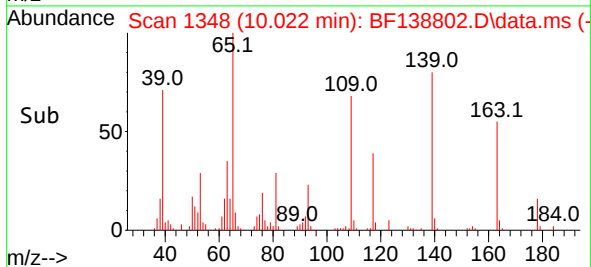
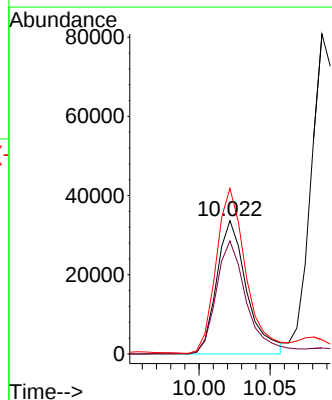
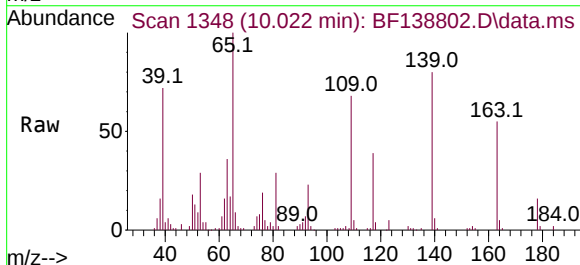
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

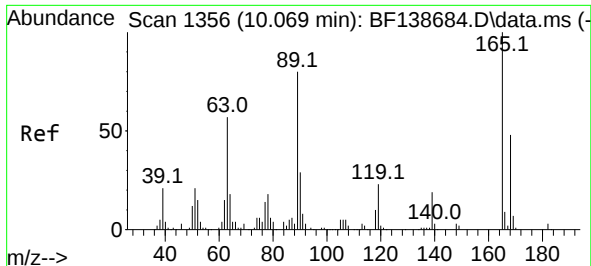
Tgt Ion:168 Resp: 244860
Ion Ratio Lower Upper
168 100
139 41.3 32.6 49.0
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 91.630 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:139 Resp: 49617
Ion Ratio Lower Upper
139 100
109 84.8 55.5 95.5
65 124.3 96.7 136.7

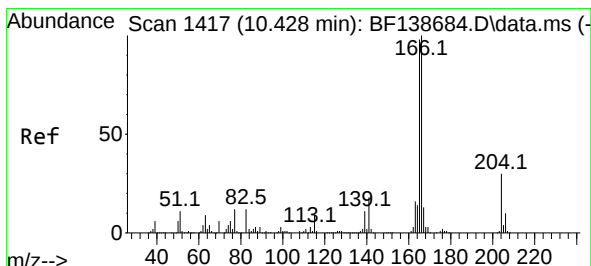
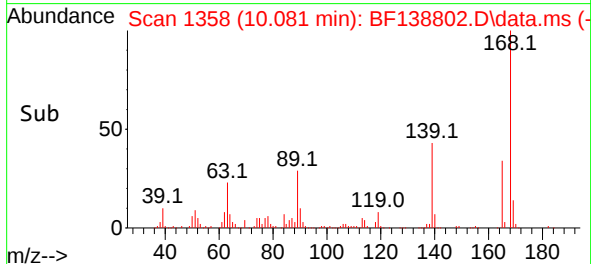
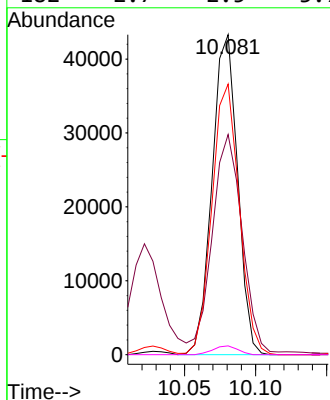
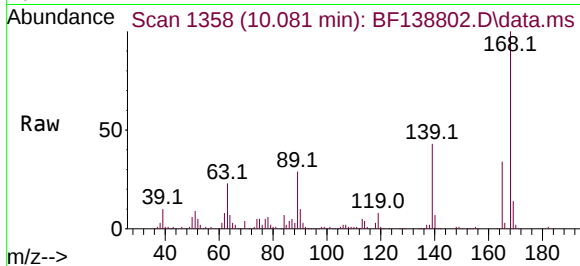




#57
2,4-Dinitrotoluene
Concen: 48.536 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

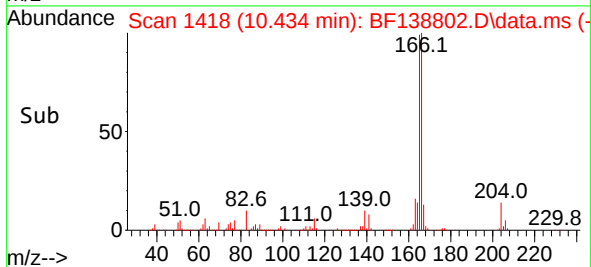
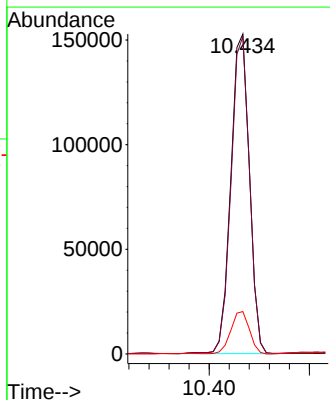
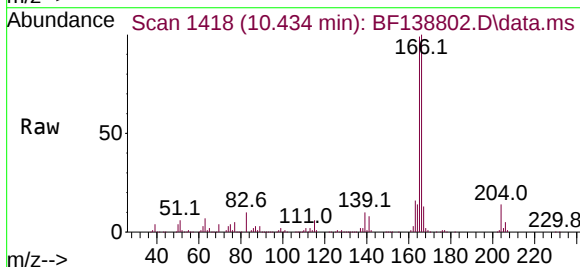
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:	165	Resp:	53939
Ion	Ratio	Lower	Upper
165	100		
63	68.8	46.3	69.5
89	84.5	64.2	96.4
182	2.7	2.5	3.7



#58
Fluorene
Concen: 52.092 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

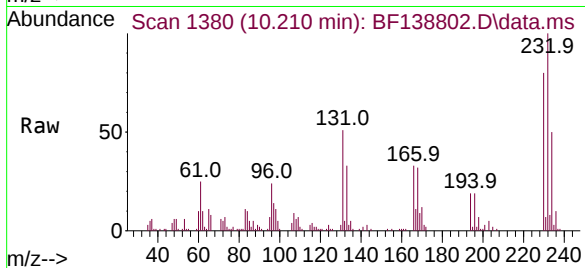
Tgt Ion:	166	Resp:	196292
Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.4	117.6
167	13.3	10.6	16.0



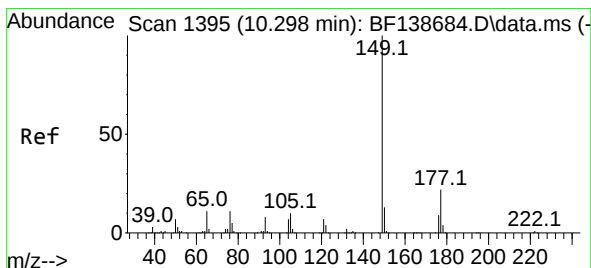
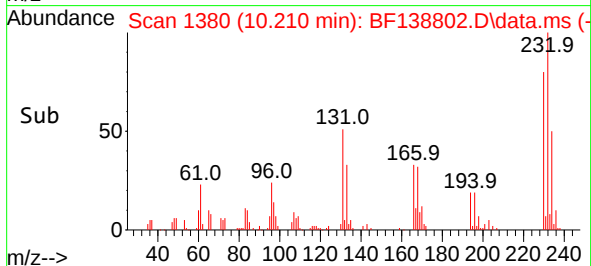
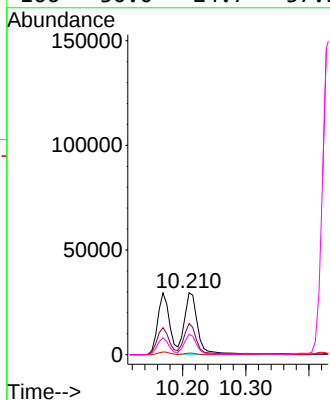


#59
2,3,4,6-Tetrachlorophenol
Concen: 49.749 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Instrument :
BNA_F
ClientSampleId :
72-11978MSD

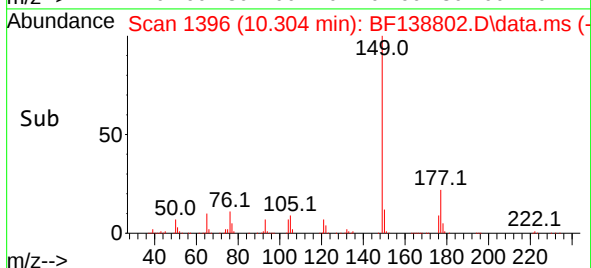
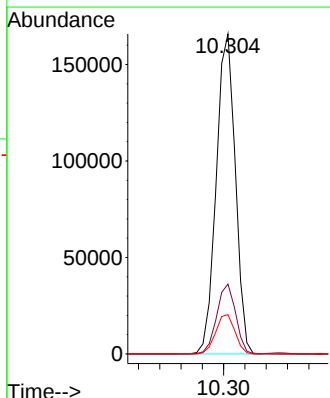
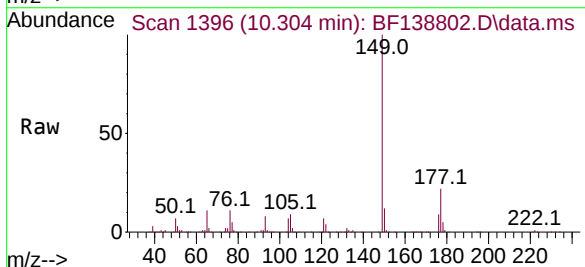


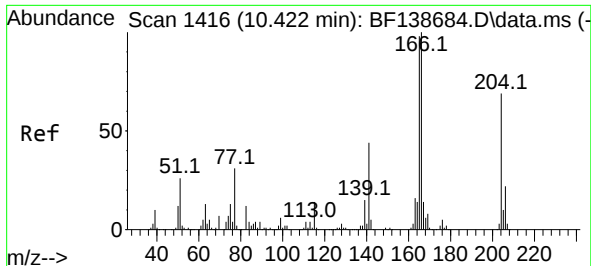
Tgt Ion:232 Resp: 42509
Ion Ratio Lower Upper
232 100
131 45.7 37.0 55.4
130 2.3 2.0 3.0
166 30.0 24.7 37.1



#60
Diethylphthalate
Concen: 56.262 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:149 Resp: 205897
Ion Ratio Lower Upper
149 100
177 21.9 17.8 26.8
150 12.3 10.1 15.1

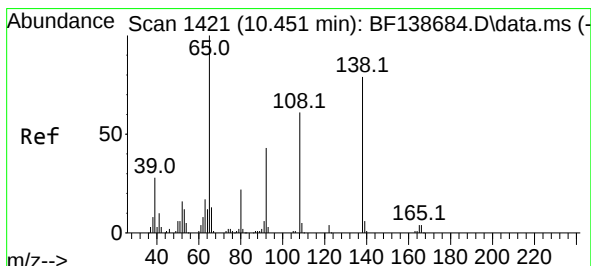
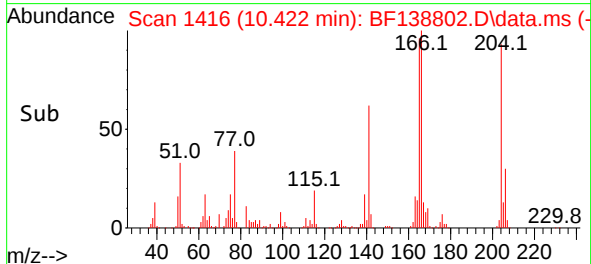
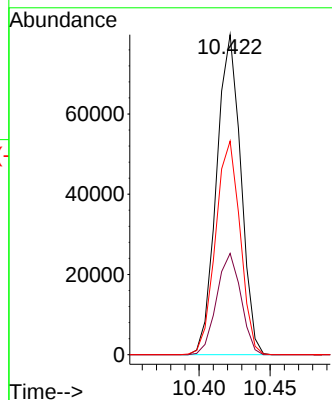
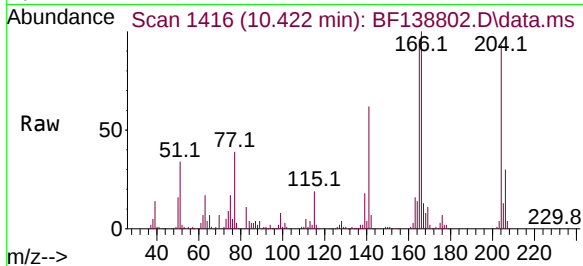




#61
4-Chlorophenyl-phenylether
Concen: 51.165 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

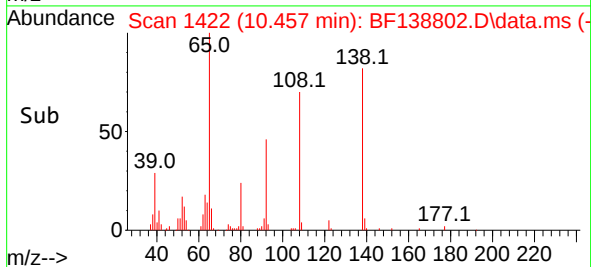
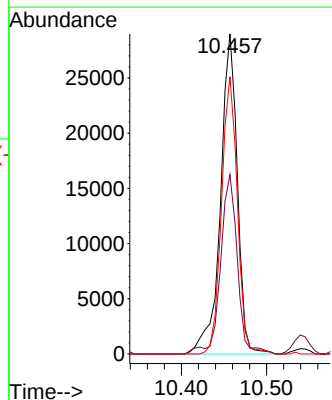
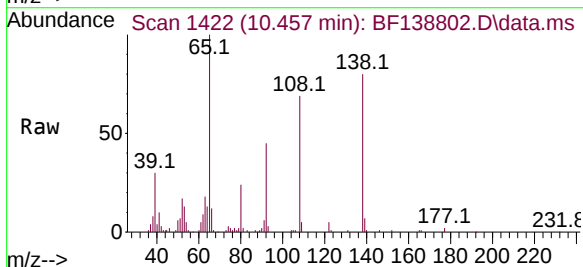
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

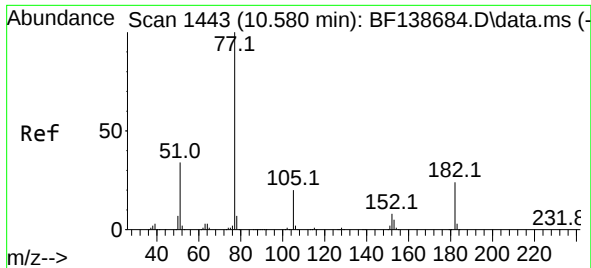
Tgt Ion:204 Resp: 94823
Ion Ratio Lower Upper
204 100
206 31.7 26.1 39.1
141 66.7 51.4 77.0



#62
4-Nitroaniline
Concen: 46.684 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:138 Resp: 39949
Ion Ratio Lower Upper
138 100
92 56.0 34.2 74.2
108 86.7 56.2 96.2



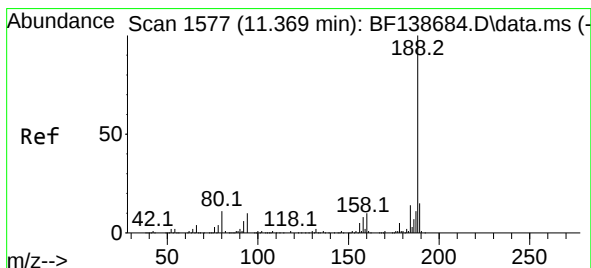
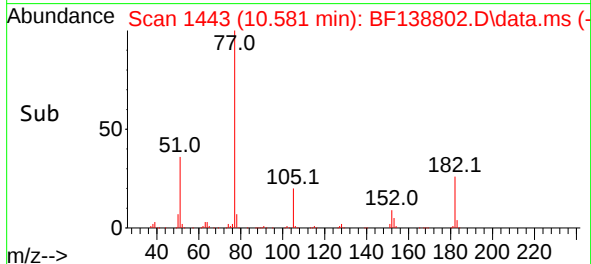
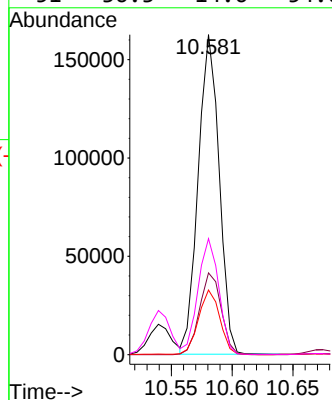
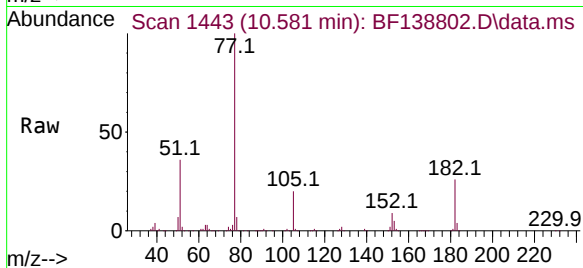


#63
Azobenzene
Concen: 48.009 ng
RT: 10.581 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion: 77 Resp: 194863

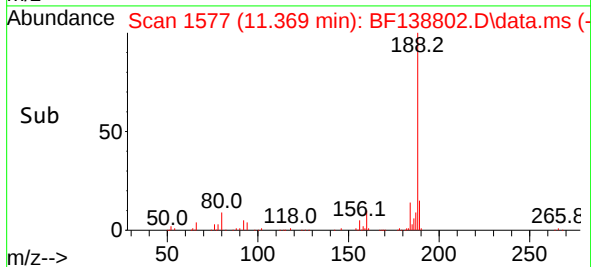
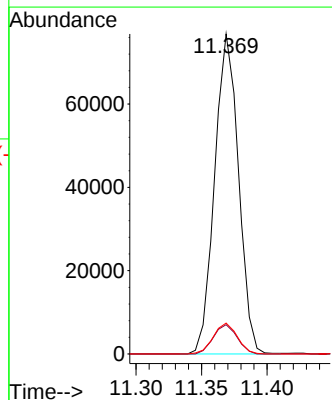
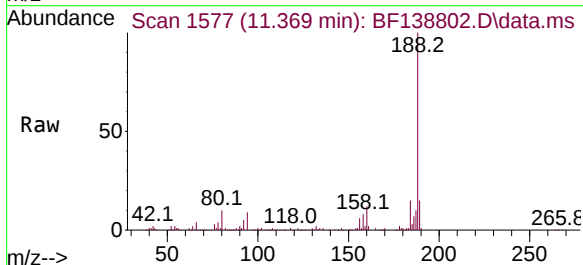
Ion	Ratio	Lower	Upper
77	100		
182	25.6	3.4	43.4
105	20.2	0.2	40.2
51	36.3	14.6	54.6

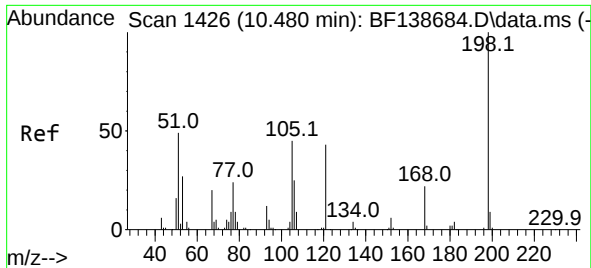


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion: 188 Resp: 97046

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.6	11.4
80	9.6	8.6	12.8

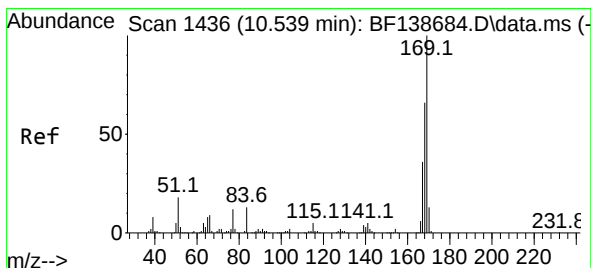
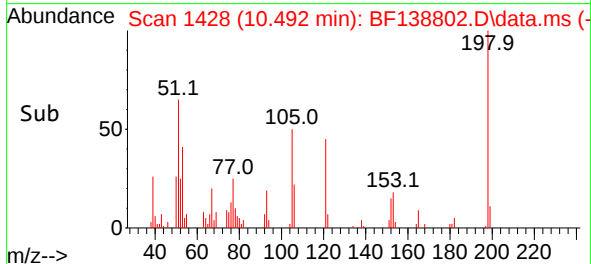
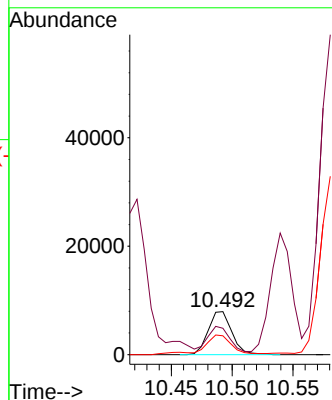
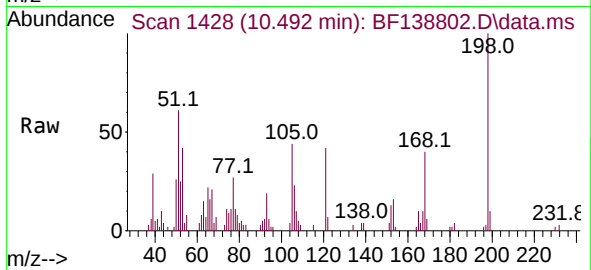




#65
4,6-Dinitro-2-methylphenol
Concen: 18.094 ng
RT: 10.492 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

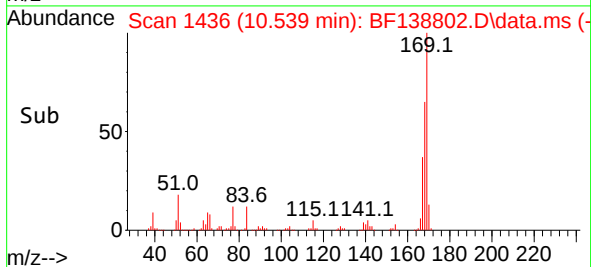
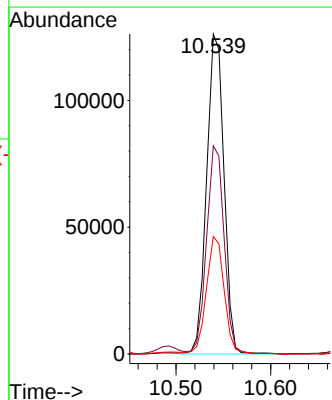
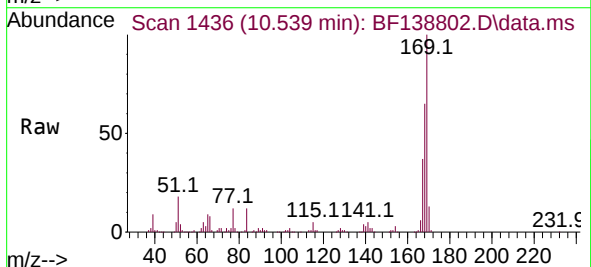
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:198 Resp: 10713
Ion Ratio Lower Upper
198 100
51 61.4 39.9 79.9
105 44.0 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 52.796 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:169 Resp: 160154
Ion Ratio Lower Upper
169 100
168 65.1 53.0 79.6
167 36.7 29.0 43.6

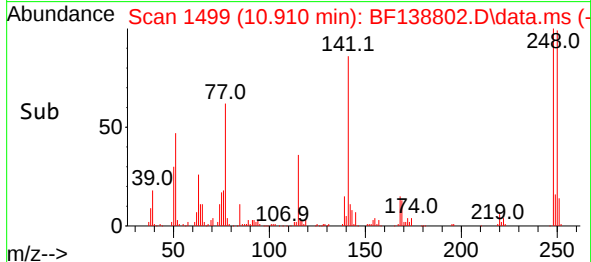
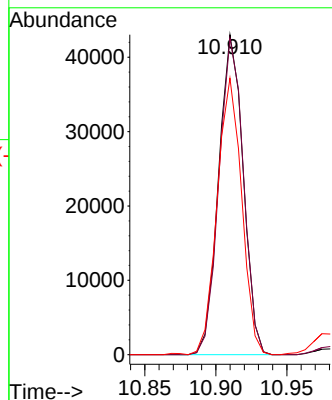
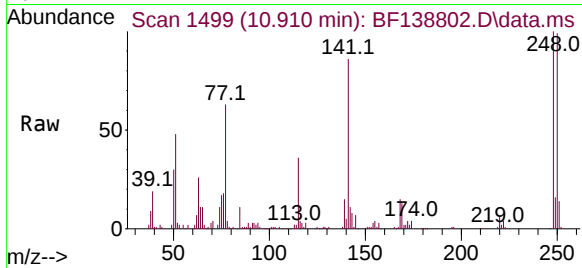




#67
4-Bromophenyl-phenylether
Concen: 49.134 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

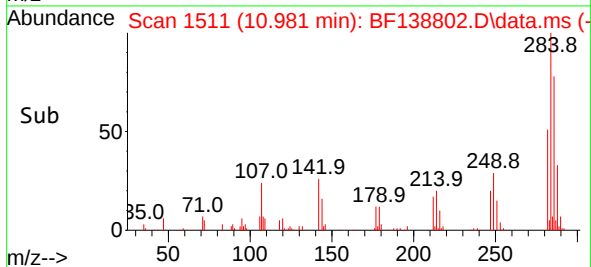
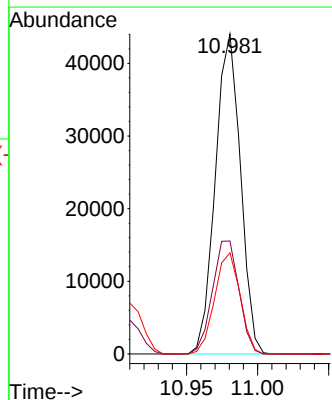
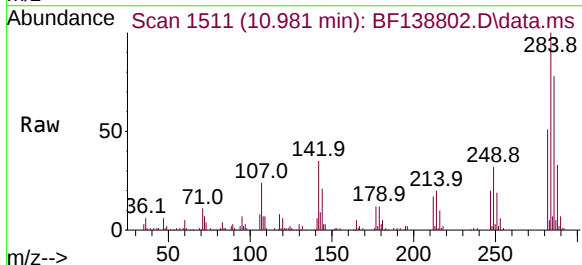
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:248 Resp: 51625
Ion Ratio Lower Upper
248 100
250 98.8 77.7 116.5
141 86.4 68.0 102.0



#68
Hexachlorobenzene
Concen: 49.972 ng
RT: 10.981 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:284 Resp: 54213
Ion Ratio Lower Upper
284 100
142 35.3 31.3 46.9
249 31.6 27.2 40.8





#69

Atrazine

Concen: 61.864 ng

RT: 11.069 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

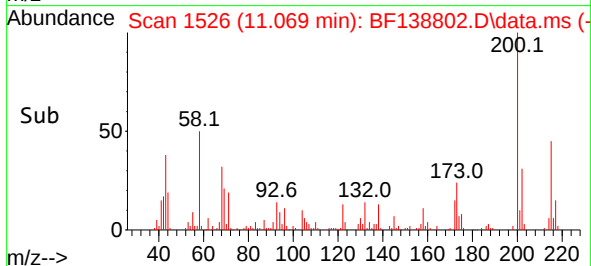
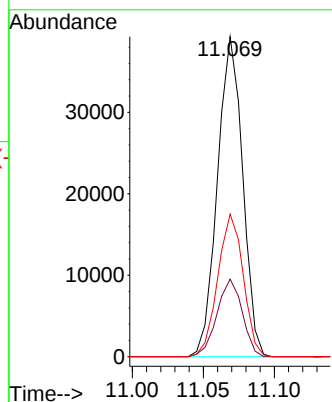
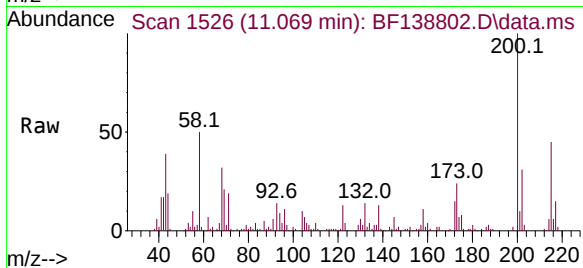
Tgt Ion:200 Resp: 48417

Ion Ratio Lower Upper

200 100

173 24.2 6.0 46.0

215 44.6 26.1 66.1



#70

Pentachlorophenol

Concen: 104.370 ng

RT: 11.181 min Scan# 1545

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

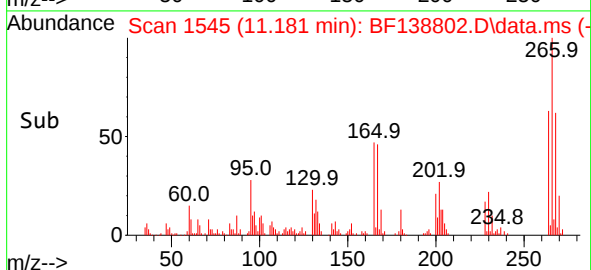
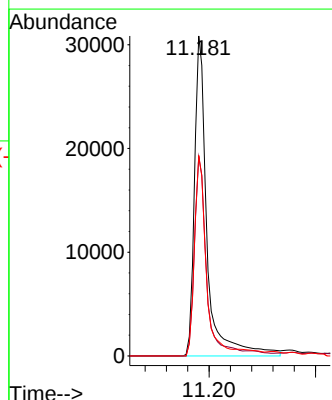
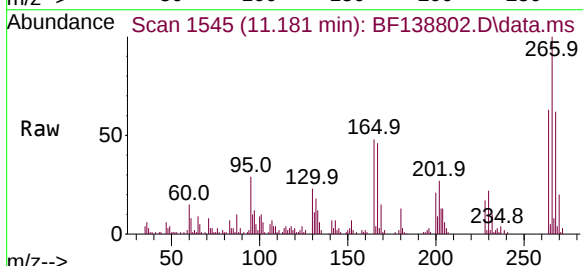
Tgt Ion:266 Resp: 51036

Ion Ratio Lower Upper

266 100

268 62.2 49.2 73.8

264 62.7 49.8 74.6

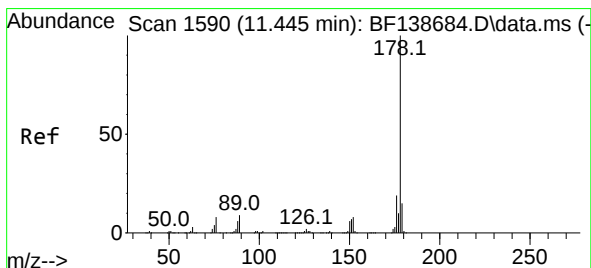
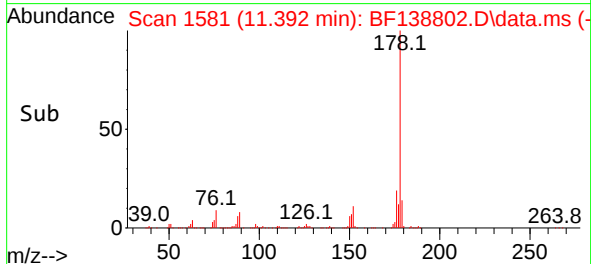
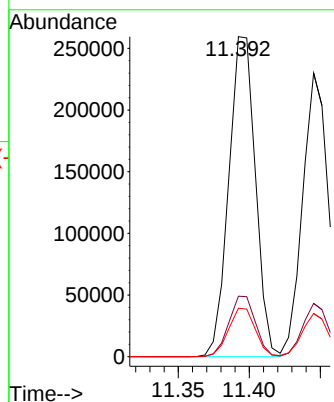
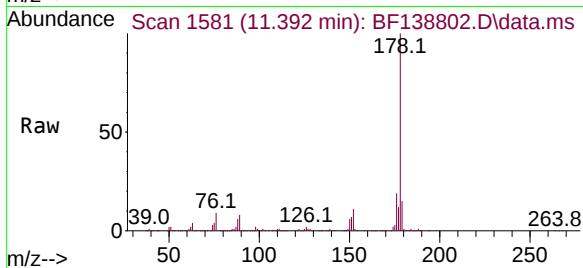




#71
Phenanthrene
Concen: 67.850 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

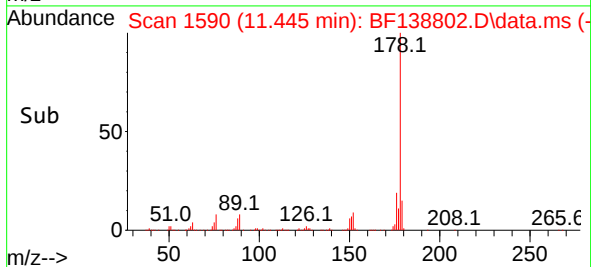
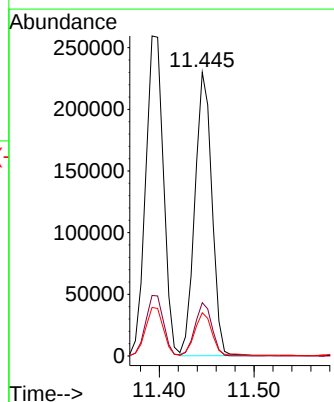
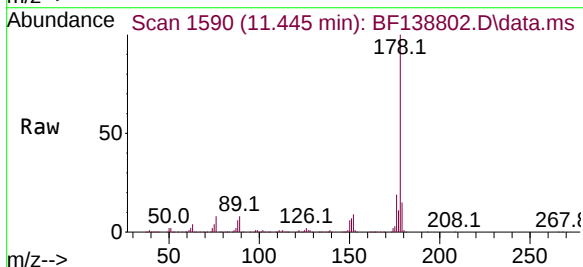
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

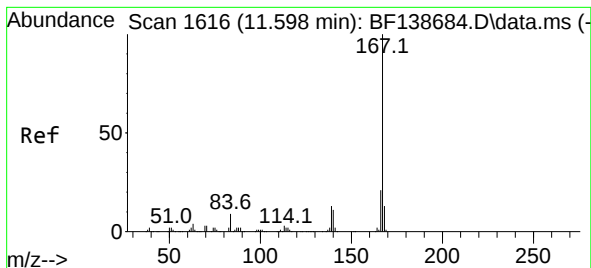
Tgt Ion:178 Resp: 339053
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.2 12.2 18.2



#72
Anthracene
Concen: 58.100 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:178 Resp: 286018
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.3 12.4 18.6





#73

Carbazole

Concen: 56.741 ng

RT: 11.604 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

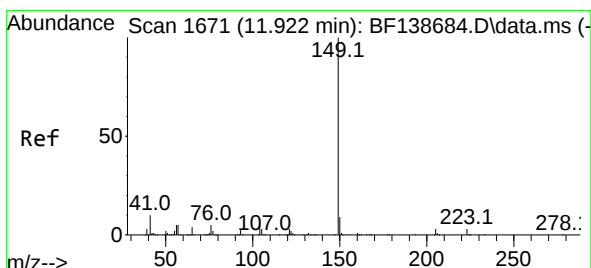
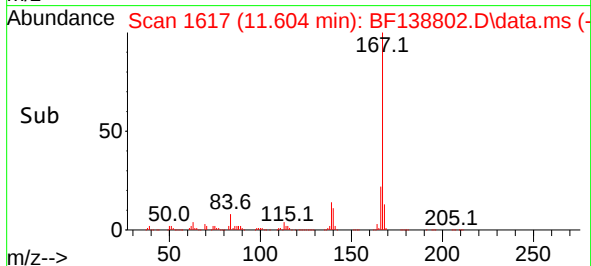
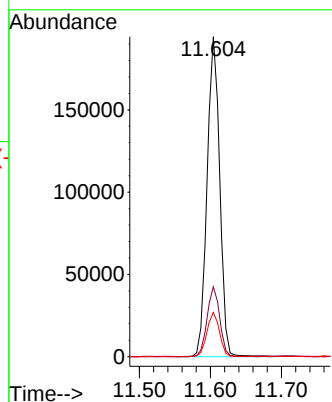
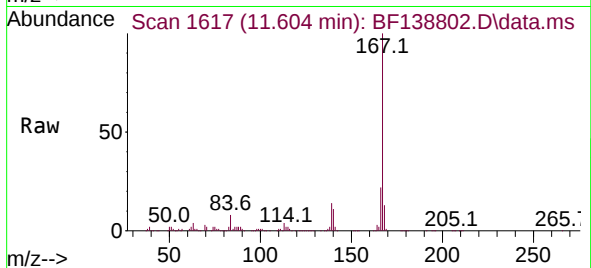
Tgt Ion:167 Resp: 240988

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 63.561 ng

RT: 11.928 min Scan# 1672

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

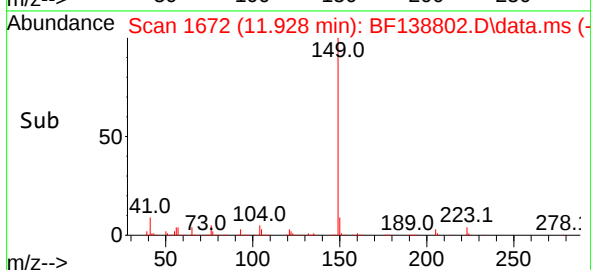
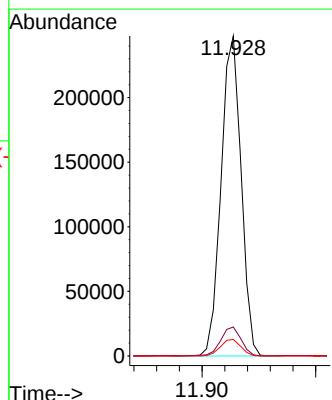
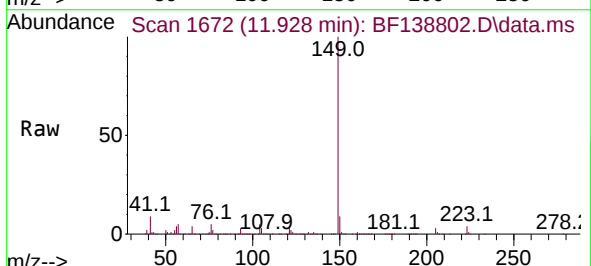
Tgt Ion:149 Resp: 303473

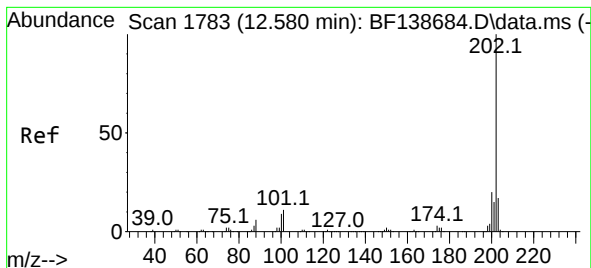
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 5.1 4.1 6.1





#75

Fluoranthene

Concen: 105.530 ng

RT: 12.586 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

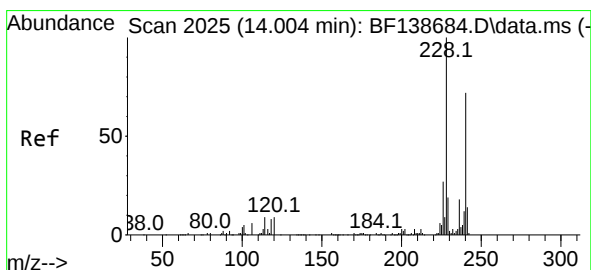
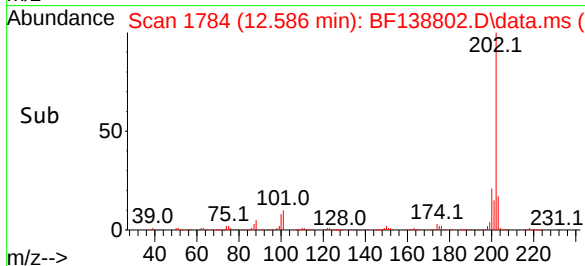
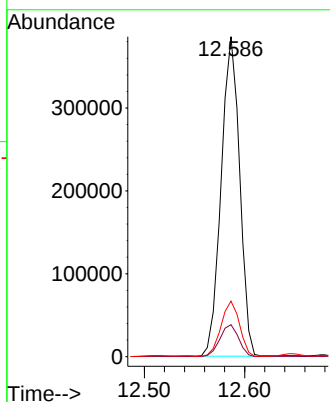
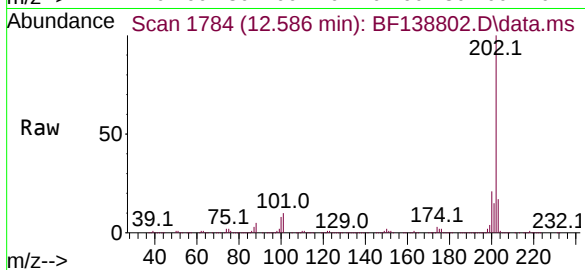
Tgt Ion:202 Resp: 492305

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.2

203 17.3 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.012 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

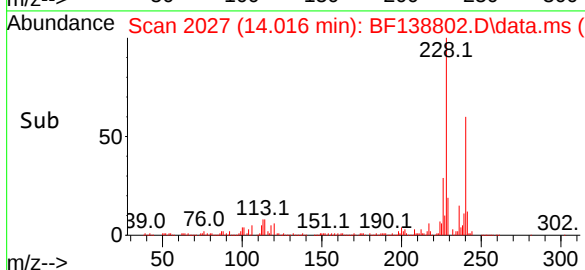
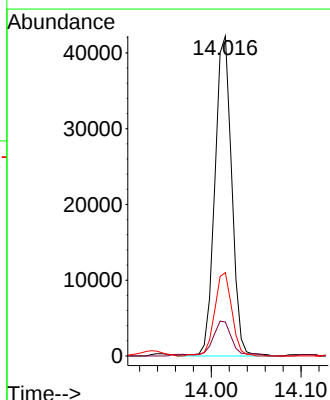
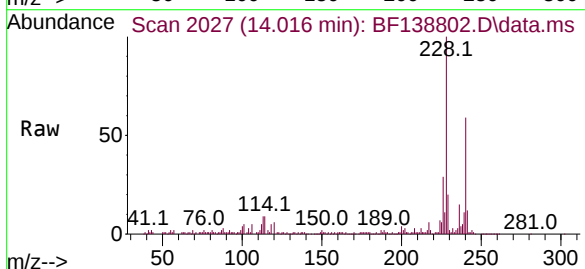
Tgt Ion:240 Resp: 54981

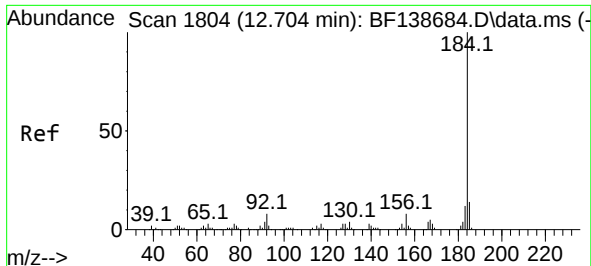
Ion Ratio Lower Upper

240 100

120 10.6 10.2 15.4

236 26.1 19.8 29.8

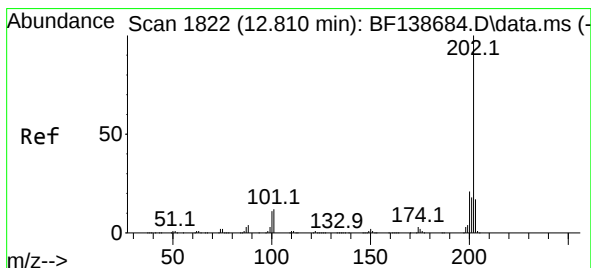
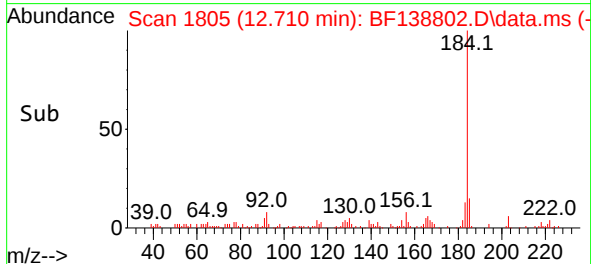
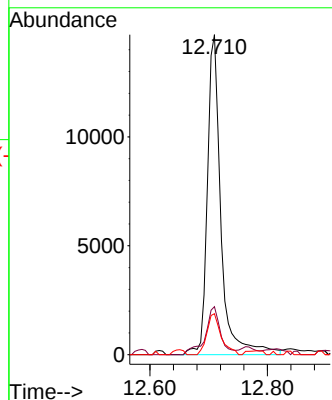
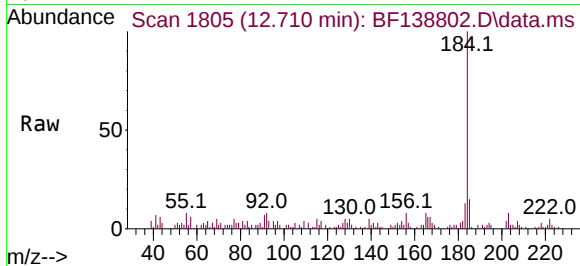




#77
Benzidine
Concen: 17.907 ng
RT: 12.710 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

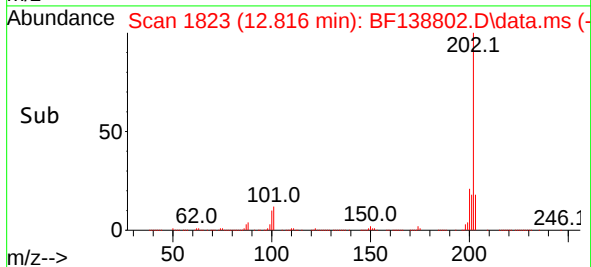
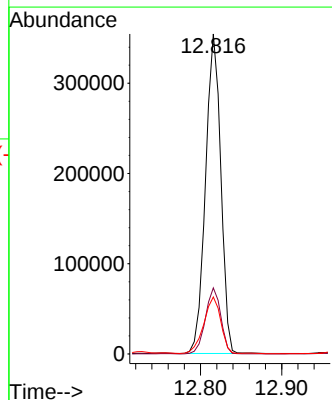
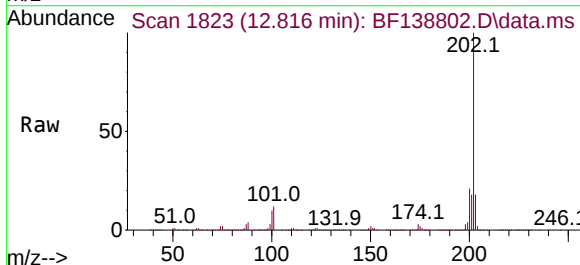
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:184 Resp: 23548
Ion Ratio Lower Upper
184 100
185 15.0 11.1 16.7
183 12.8 9.6 14.4



#78
Pyrene
Concen: 89.074 ng
RT: 12.816 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:202 Resp: 461106
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 103.758 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138802.D

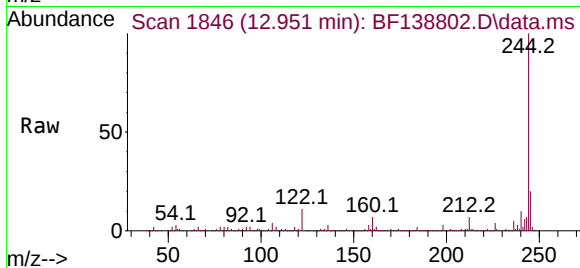
Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD



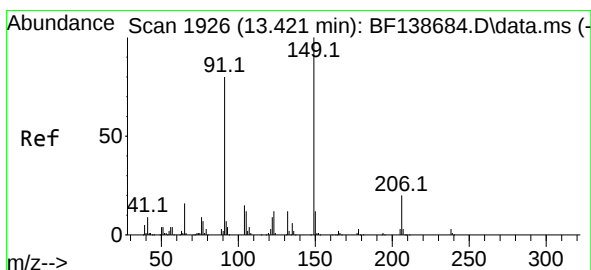
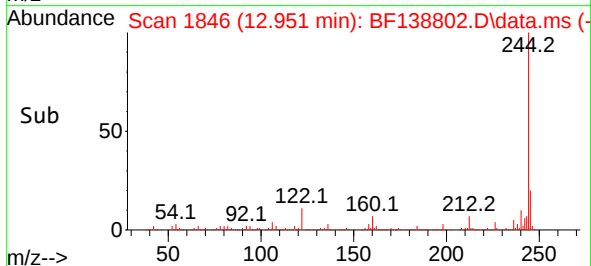
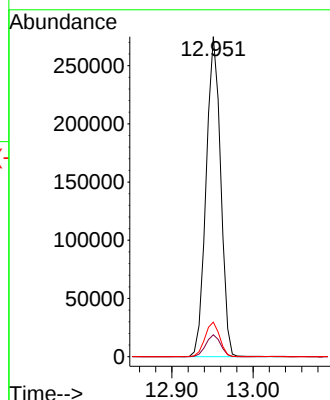
Tgt Ion:244 Resp: 340728

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.8 9.6 14.4



#80

Butylbenzylphthalate

Concen: 67.351 ng

RT: 13.427 min Scan# 1927

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

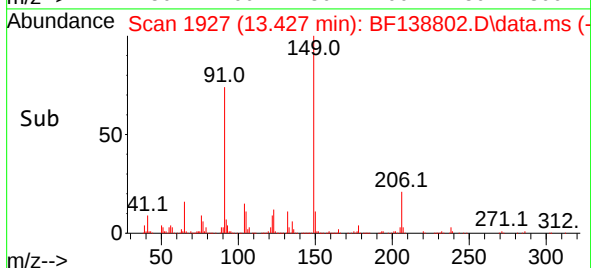
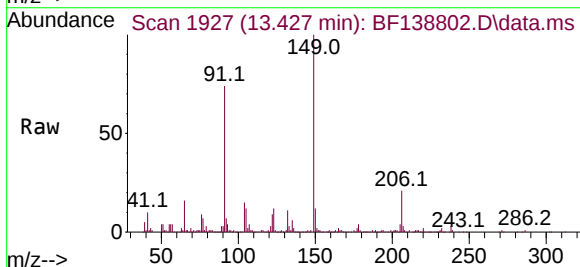
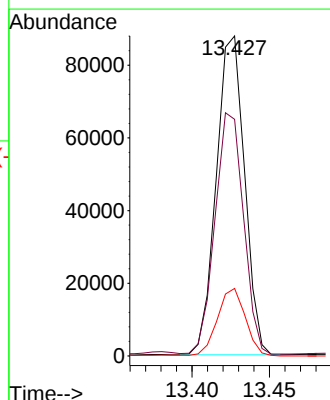
Tgt Ion:149 Resp: 111648

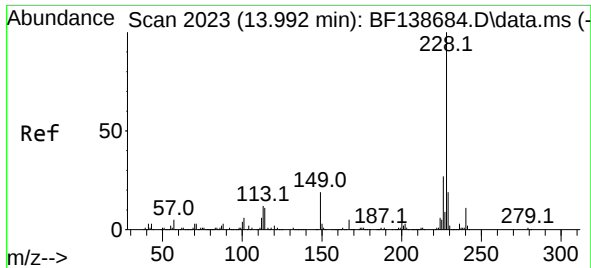
Ion Ratio Lower Upper

149 100

91 74.0 63.7 95.5

206 21.1 16.2 24.2

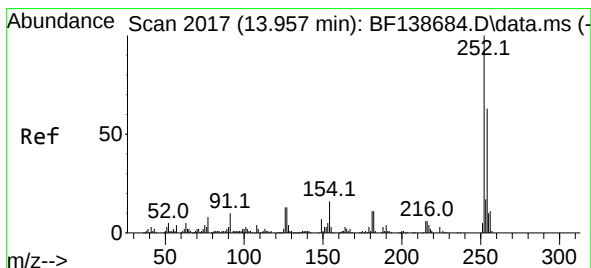
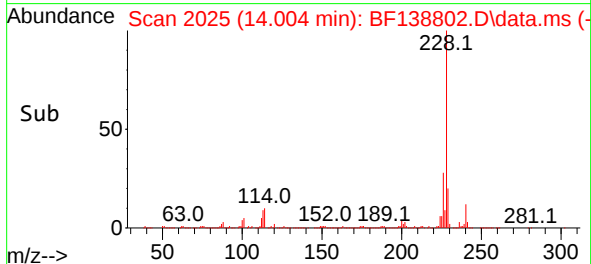
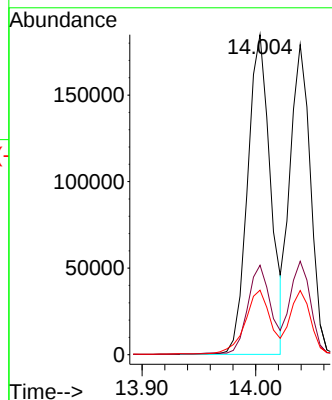
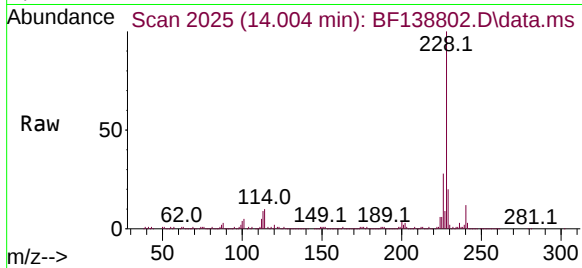




#81
Benzo(a)anthracene
Concen: 68.647 ng
RT: 14.004 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

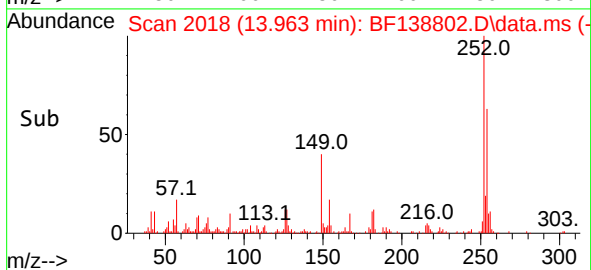
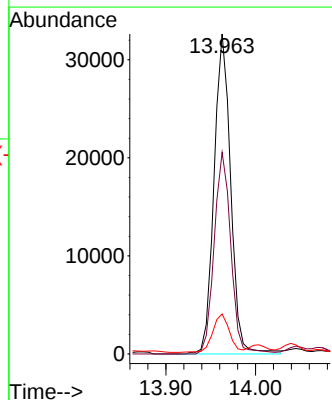
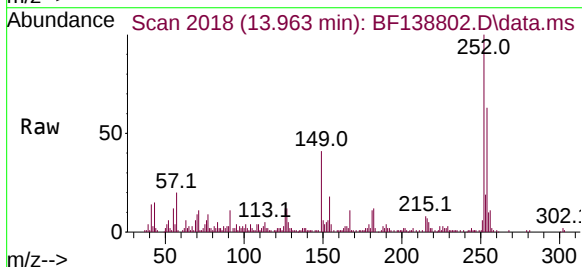
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

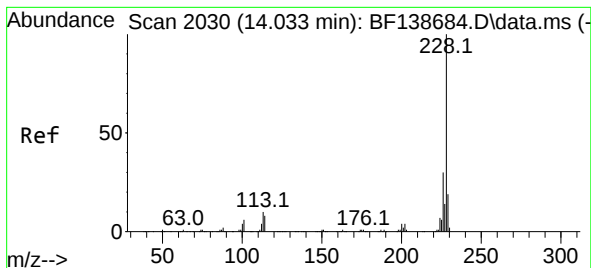
Tgt Ion:228 Resp: 259906
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.2 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 43.420 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:252 Resp: 42069
Ion Ratio Lower Upper
252 100
254 63.0 50.8 76.2
126 12.5 10.2 15.2





#83

Chrysene

Concen: 64.923 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

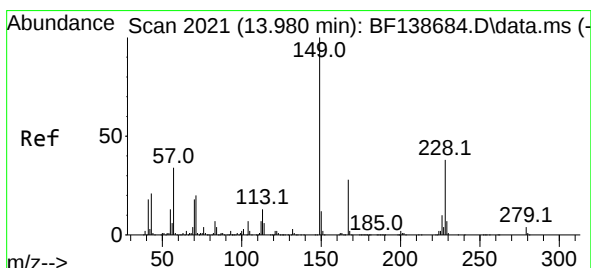
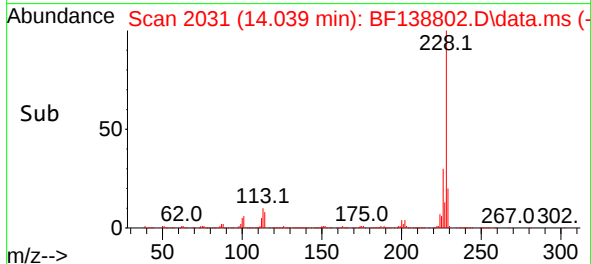
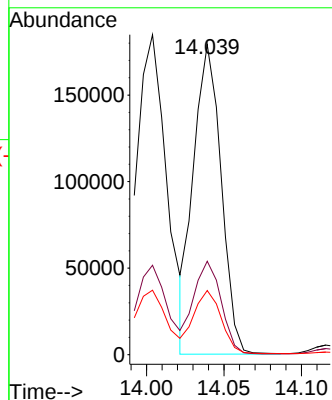
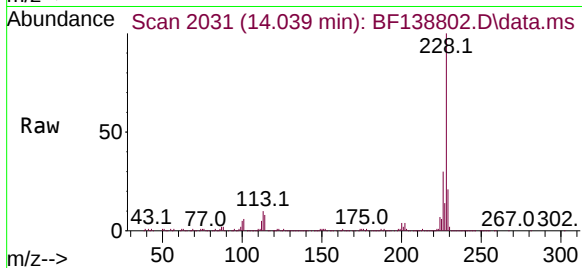
Tgt Ion:228 Resp: 221763

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 20.7 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 65.768 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

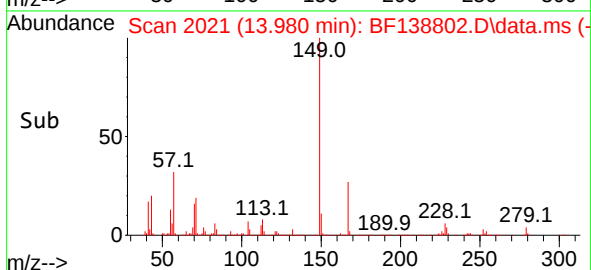
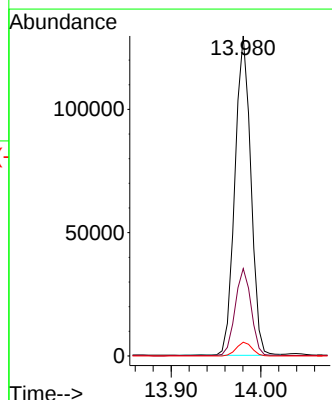
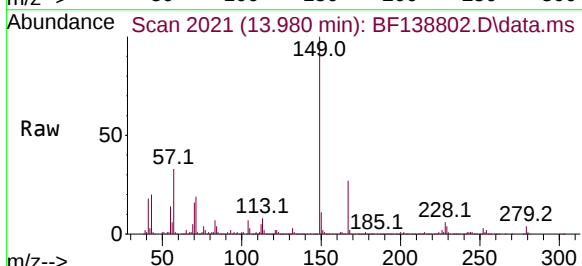
Tgt Ion:149 Resp: 159647

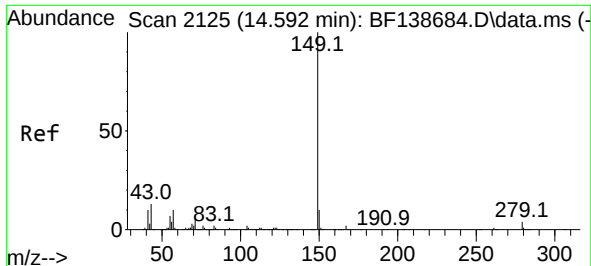
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

279 4.3 3.4 5.0

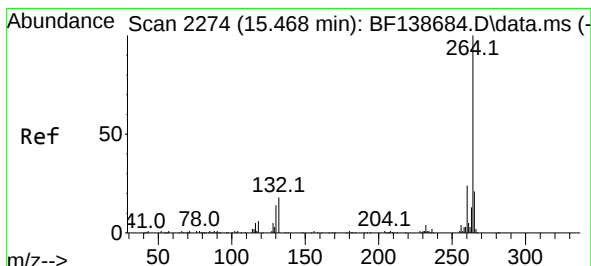
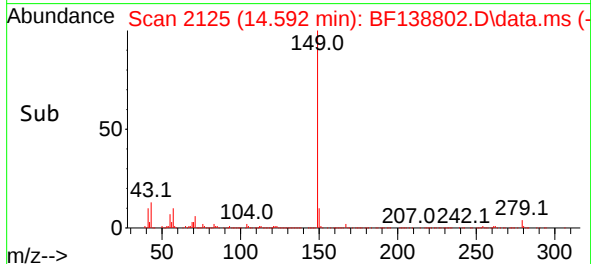
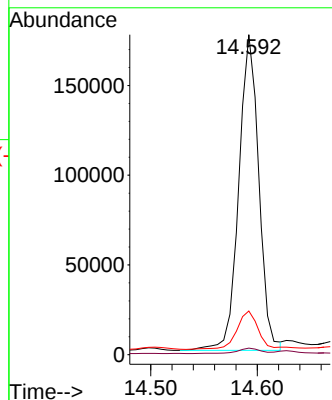
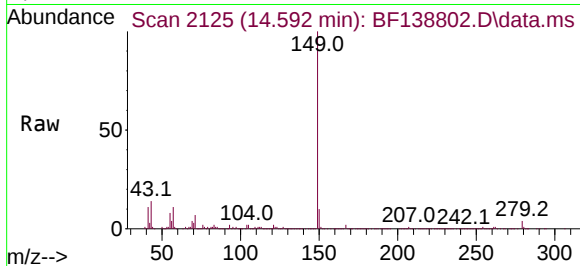




#85
Di-n-octyl phthalate
Concen: 51.237 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

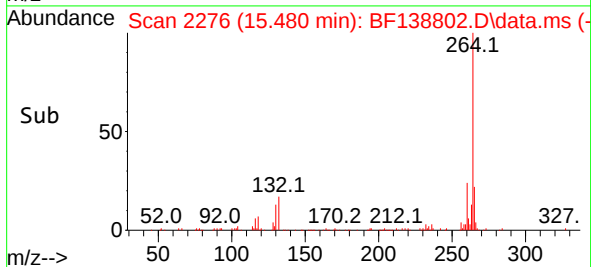
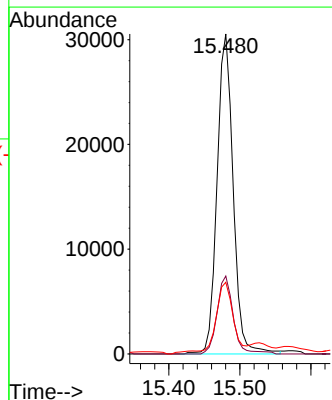
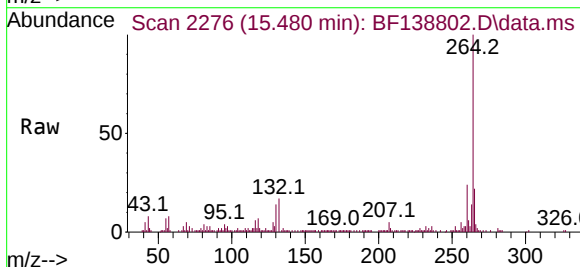
Instrument :
BNA_F
ClientSampleId :
72-11978MSD

Tgt Ion:149 Resp: 230114
Ion Ratio Lower Upper
149 100
167 2.0 1.4 2.0#
43 13.4 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2276
Delta R.T. 0.012 min
Lab File: BF138802.D
Acq: 06 Aug 2024 00:12

Tgt Ion:264 Resp: 47996
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 22.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.540 ng

RT: 16.957 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

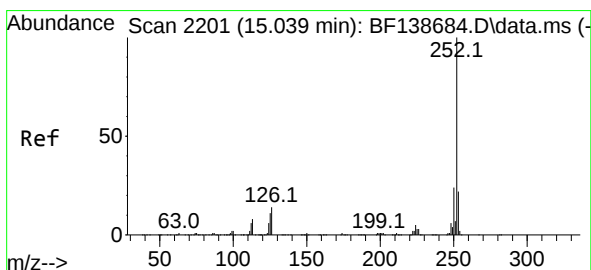
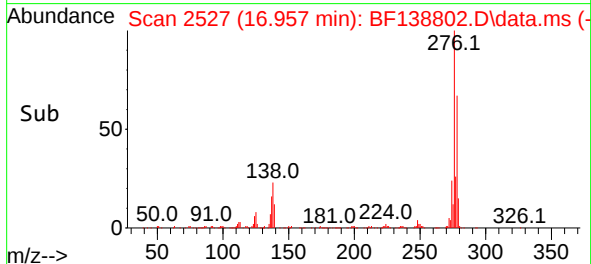
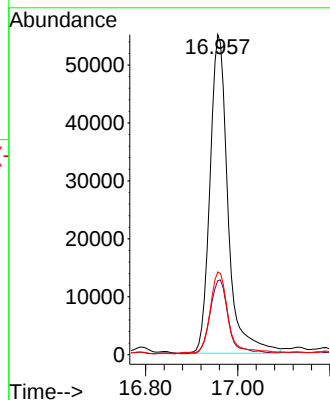
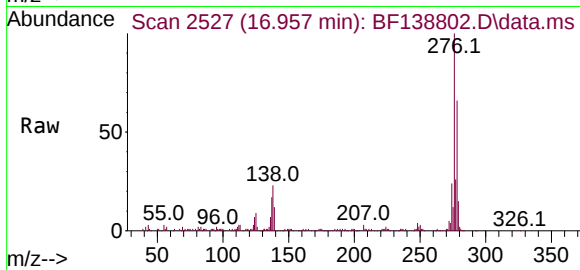
Tgt Ion:276 Resp: 149758

Ion Ratio Lower Upper

276 100

138 23.4 21.8 32.8

277 25.1 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 74.810 ng

RT: 15.051 min Scan# 2203

Delta R.T. 0.012 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

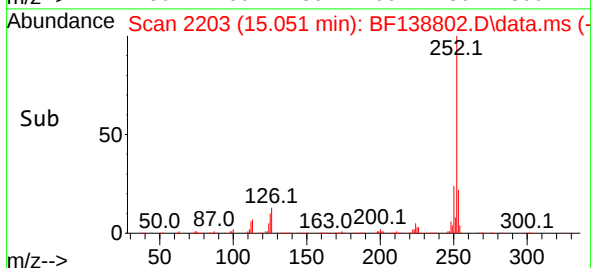
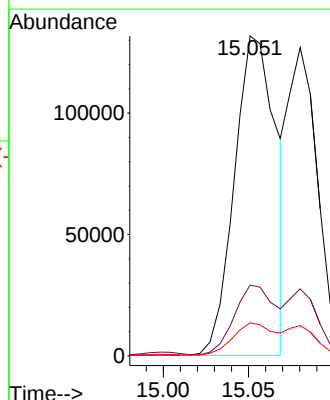
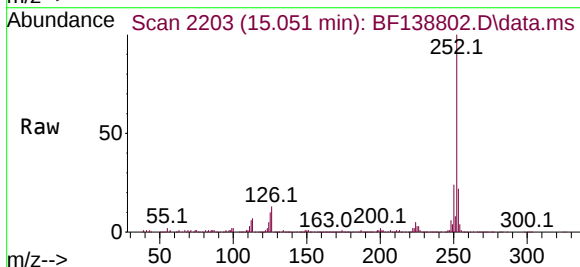
Tgt Ion:252 Resp: 222581

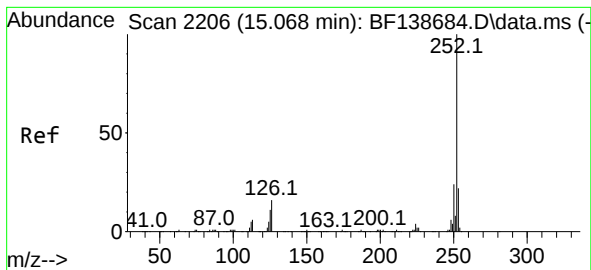
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 59.420 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

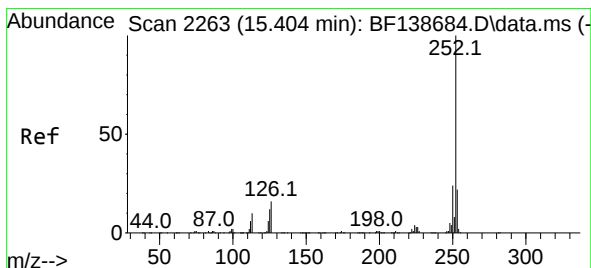
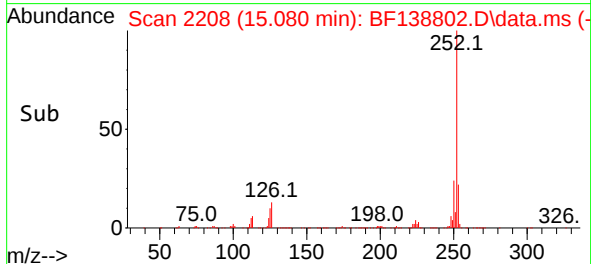
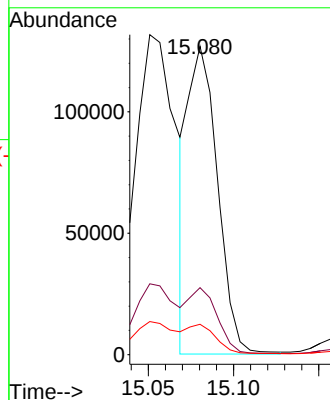
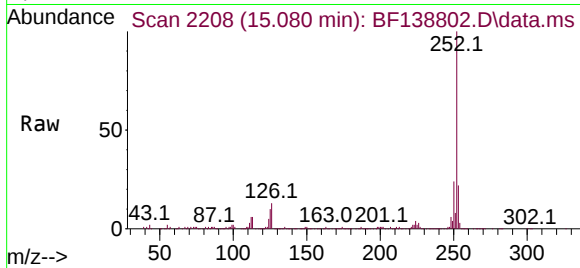
Tgt Ion:252 Resp: 153068

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.9 8.6 13.0



#90

Benzo(a)pyrene

Concen: 65.078 ng

RT: 15.421 min Scan# 2266

Delta R.T. 0.018 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

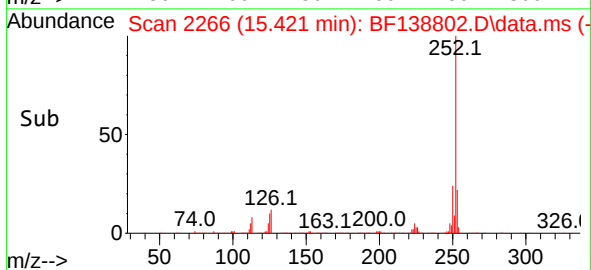
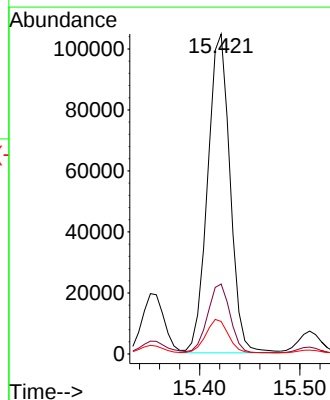
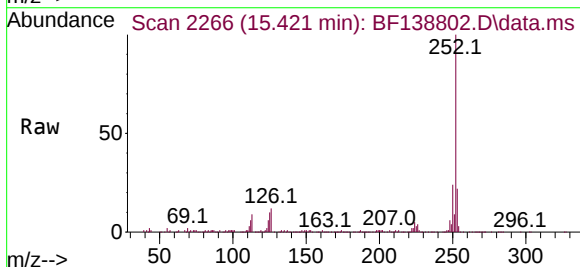
Tgt Ion:252 Resp: 162867

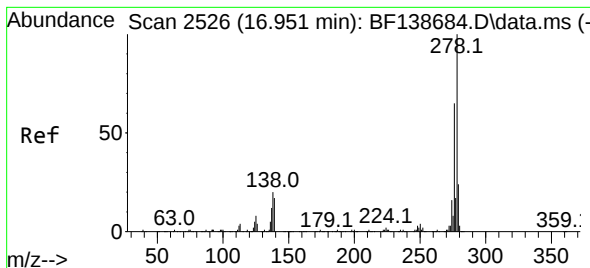
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.1 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 41.260 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Instrument :

BNA_F

ClientSampleId :

72-11978MSD

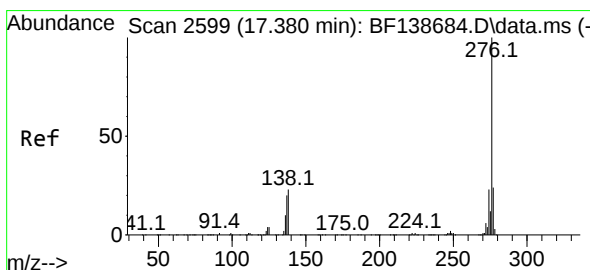
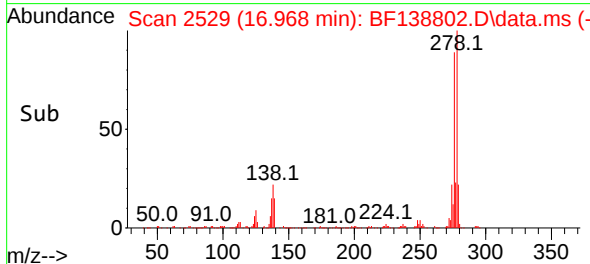
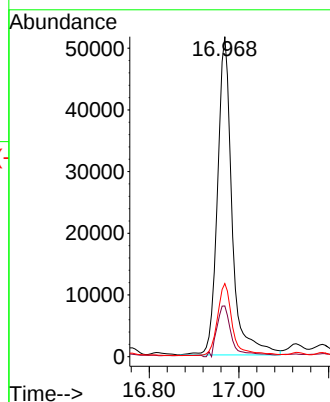
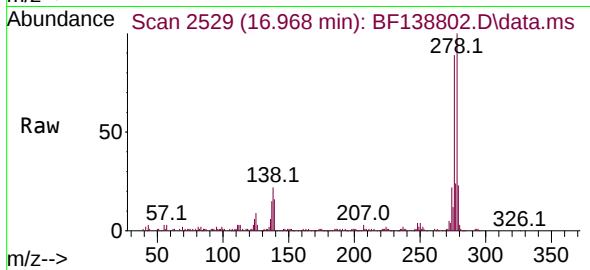
Tgt Ion:278 Resp: 116496

Ion Ratio Lower Upper

278 100

139 15.9 14.0 21.0

279 22.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 36.782 ng

RT: 17.404 min Scan# 2603

Delta R.T. 0.024 min

Lab File: BF138802.D

Acq: 06 Aug 2024 00:12

Tgt Ion:276 Resp: 107767

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 19.6 18.5 27.7

