

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080324\
 Data File : BF138764.D
 Acq On : 03 Aug 2024 12:03
 Operator : RC/JU
 Sample : P3402-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222MSD

Quant Time: Aug 05 00:49:46 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	6.845	152	61608	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	248798	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	139445	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	271345	20.000	ng	0.00
76) Chrysene-d12	14.010	240	121785	20.000	ng	0.00
86) Perylene-d12	15.480	264	117840	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	355611	89.102	ng	0.02
7) Phenol-d6	6.492	99	500508	93.406	ng	0.00
23) Nitrobenzene-d5	7.416	82	346090	68.010	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	116179	101.711	ng	0.01
45) 2-Fluorobiphenyl	9.204	172	614239	66.183	ng	0.00
79) Terphenyl-d14	12.951	244	591416	81.306	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	60532	34.643	ng	99
3) Pyridine	3.451	79	158616	37.474	ng	95
4) n-Nitrosodimethylamine	3.416	42	111396	44.188	ng	95
6) Aniline	6.510	93	221886	46.432	ng	# 51
8) 2-Chlorophenol	6.639	128	213221	50.779	ng	97
9) Benzaldehyde	6.398	77	10969	3.415	ng	99
10) Phenol	6.510	94	281511	49.898	ng	80
11) bis(2-Chloroethyl)ether	6.587	93	204934	47.203	ng	99
12) 1,3-Dichlorobenzene	6.787	146	226404	48.168	ng	99
13) 1,4-Dichlorobenzene	6.863	146	231785	48.864	ng	99
14) 1,2-Dichlorobenzene	7.016	146	219907	49.606	ng	100
15) Benzyl Alcohol	6.992	79	206723	53.527	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.116	45	350918	46.967	ng	56
17) 2-Methylphenol	7.110	107	177436	51.174	ng	# 91
18) Hexachloroethane	7.357	117	89040	49.867	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	169274	52.304	ng	97
20) 3+4-Methylphenols	7.263	107	229840	51.664	ng	# 87
22) Acetophenone	7.257	105	292674	48.044	ng	98
24) Nitrobenzene	7.434	77	251732	48.614	ng	98
25) Isophorone	7.675	82	463579	53.350	ng	99
26) 2-Nitrophenol	7.745	139	124484	55.877	ng	98
27) 2,4-Dimethylphenol	7.786	122	159064	59.675	ng	99
28) bis(2-Chloroethoxy)met...	7.881	93	258932	48.933	ng	99
29) 2,4-Dichlorophenol	7.992	162	177515	51.826	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	192772	48.769	ng	98
31) Naphthalene	8.151	128	638748	48.774	ng	100
32) Benzoic acid	7.934	122	85593	40.850	ng	98
33) 4-Chloroaniline	8.204	127	184370	41.940	ng	99
34) Hexachlorobutadiene	8.263	225	115056	48.057	ng	99
35) Caprolactam	8.586	113	36613	35.824	ng	97
36) 4-Chloro-3-methylphenol	8.692	107	207990	53.134	ng	98
37) 2-Methylnaphthalene	8.839	142	433376	52.398	ng	99
38) 1-Methylnaphthalene	8.939	142	401865	49.585	ng	98
40) 1,2,4,5-Tetrachloroben...	9.004	216	183843	47.460	ng	98
41) Hexachlorocyclopentadiene	8.986	237	108657	103.715	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	122881	52.029	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	128815	49.891	ng	100
46) 1,1'-Biphenyl	9.304	154	501823	45.950	ng	100
47) 2-Chloronaphthalene	9.333	162	389888	48.002	ng	99
48) 2-Nitroaniline	9.433	65	145094	52.693	ng	99
49) Acenaphthylene	9.745	152	624799	54.236	ng	99
50) Dimethylphthalate	9.610	163	468232	52.514	ng	99
51) 2,6-Dinitrotoluene	9.675	165	103207	51.290	ng	94
52) Acenaphthene	9.922	154	382314	49.370	ng	100
53) 3-Nitroaniline	9.845	138	88363	42.478	ng	100
54) 2,4-Dinitrophenol	9.963	184	95593	103.199	ng	95
55) Dibenzofuran	10.092	168	625049	57.179	ng	100
56) 4-Nitrophenol	10.027	139	119606	95.613	ng	99
57) 2,4-Dinitrotoluene	10.086	165	149767	58.336	ng	# 87
58) Fluorene	10.433	166	455197	52.291	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	120041	60.813	ng	97
60) Diethylphthalate	10.310	149	525418	62.149	ng	99
61) 4-Chlorophenyl-phenylether	10.422	204	231116	53.983	ng	98
62) 4-Nitroaniline	10.463	138	98887	50.023	ng	94
63) Azobenzene	10.586	77	478713	51.054	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	74309	44.888	ng	97
66) n-Nitrosodiphenylamine	10.545	169	374216	44.121	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	126618	43.099	ng	98
68) Hexachlorobenzene	10.980	284	131701	43.418	ng	98
69) Atrazine	11.074	200	118366	54.091	ng	98
70) Pentachlorophenol	11.180	266	116225	85.007	ng	98
71) Phenanthrene	11.398	178	702674	50.291	ng	100
72) Anthracene	11.451	178	669921	48.670	ng	100
73) Carbazole	11.604	167	576851	48.576	ng	99
74) Di-n-butylphthalate	11.927	149	763940	57.225	ng	99
75) Fluoranthene	12.586	202	552273	42.340	ng	99
77) Benzidine	12.710	184	141582	48.605	ng	98
78) Pyrene	12.816	202	596596	52.030	ng	100
80) Butylbenzylphthalate	13.427	149	228715	62.288	ng	98
81) Benzo(a)anthracene	14.004	228	433877	51.736	ng	99
82) 3,3'-Dichlorobenzidine	13.963	252	116736	54.394	ng	98
83) Chrysene	14.039	228	380524	50.293	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	328874	61.165	ng	99
85) Di-n-octyl phthalate	14.592	149	468966	47.142	ng	99
87) Indeno(1,2,3-cd)pyrene	16.962	276	472547	55.957	ng	98
88) Benzo(b)fluoranthene	15.051	252	446873	61.174	ng	99
89) Benzo(k)fluoranthene	15.080	252	339904	53.742	ng	99
90) Benzo(a)pyrene	15.421	252	323381	52.629	ng	99
91) Dibenzo(a,h)anthracene	16.974	278	379985	54.815	ng	98
92) Benzo(g,h,i)perylene	17.409	276	356308	49.532	ng	98

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

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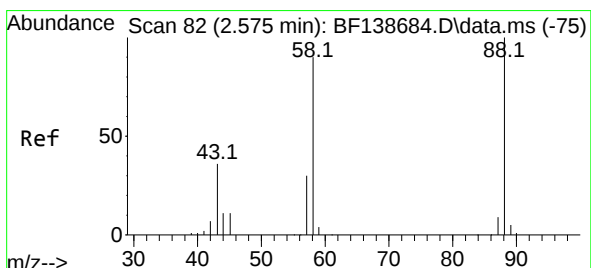
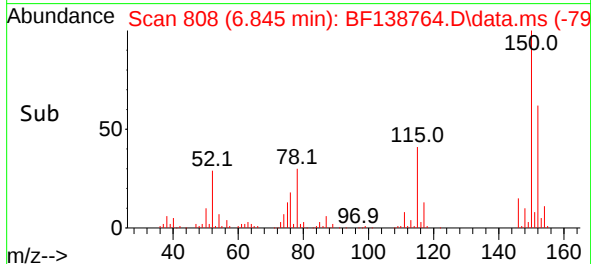
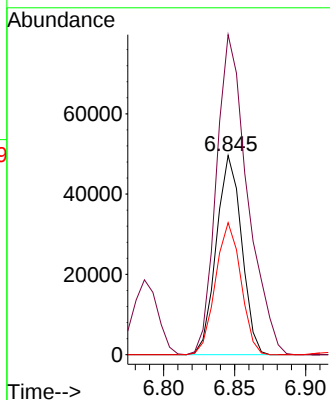
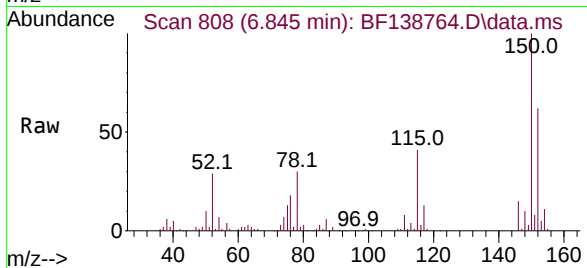




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF138764.D
 Acq: 03 Aug 2024 12:03

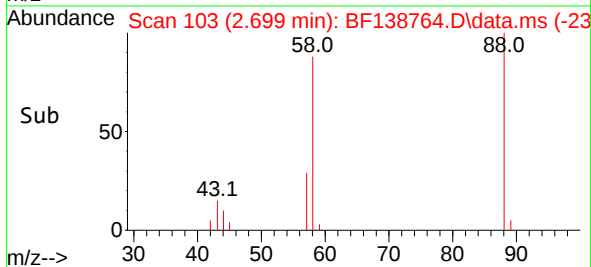
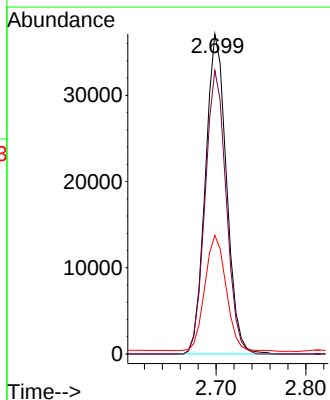
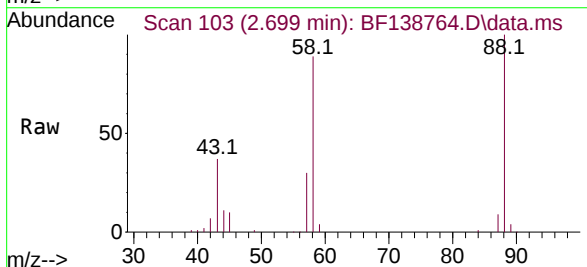
Instrument :
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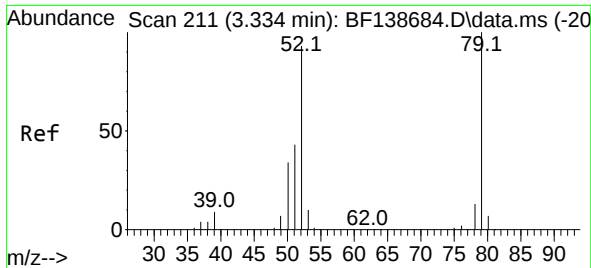
Tgt Ion:152 Resp: 61608
 Ion Ratio Lower Upper
 152 100
 150 160.6 126.0 189.0
 115 66.3 51.7 77.5



#2
 1,4-Dioxane
 Concen: 34.643 ng
 RT: 2.699 min Scan# 103
 Delta R.T. 0.123 min
 Lab File: BF138764.D
 Acq: 03 Aug 2024 12:03

Tgt Ion: 88 Resp: 60532
 Ion Ratio Lower Upper
 88 100
 58 88.4 71.6 107.4
 43 36.9 28.7 43.1

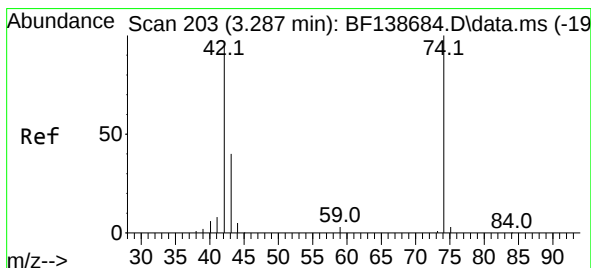
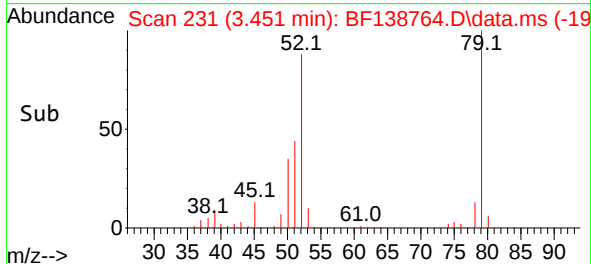
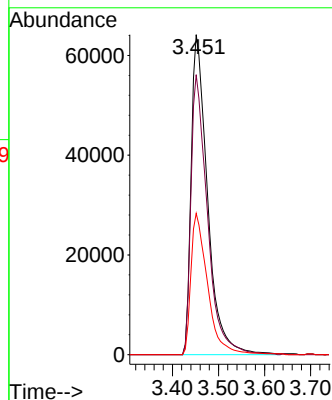
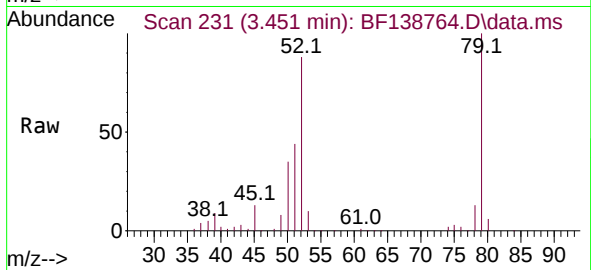




#3
Pyridine
Concen: 37.474 ng
RT: 3.451 min Scan# 211
Delta R.T. 0.118 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

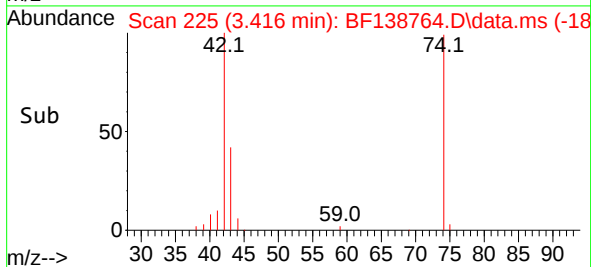
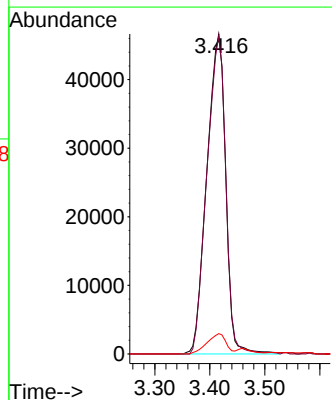
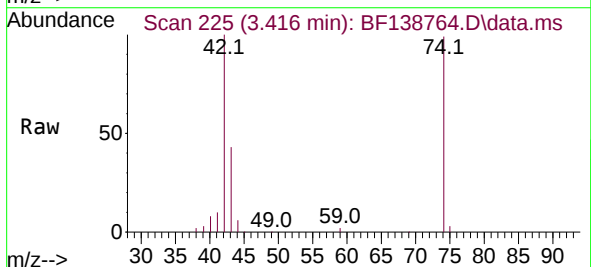
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion: 79 Resp: 158616
Ion Ratio Lower Upper
79 100
52 87.5 74.7 112.1
51 44.2 34.6 51.8



#4
n-Nitrosodimethylamine
Concen: 44.188 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.129 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 42 Resp: 111396
Ion Ratio Lower Upper
42 100
74 99.4 84.2 126.4
44 6.4 4.9 7.3

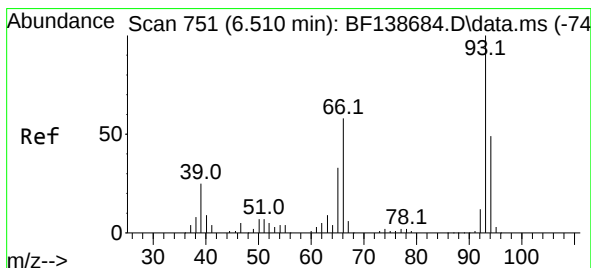
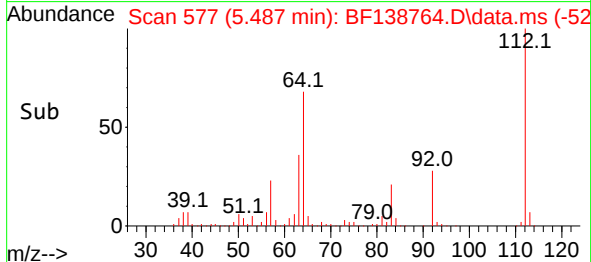
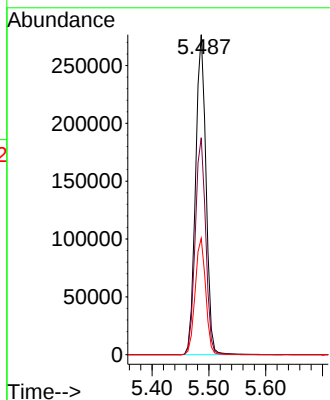
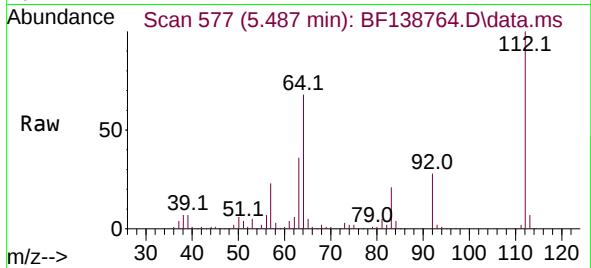




#5
2-Fluorophenol
Concen: 89.102 ng
RT: 5.487 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

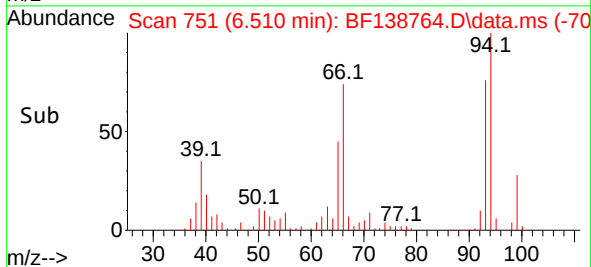
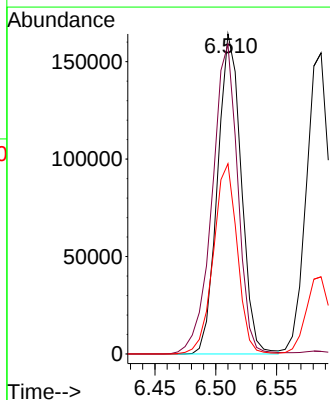
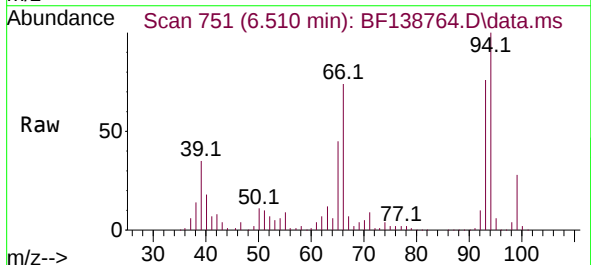
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:112 Resp: 355611
Ion Ratio Lower Upper
112 100
64 67.8 54.2 81.4
63 36.4 28.7 43.1



#6
Aniline
Concen: 46.432 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 93 Resp: 221886
Ion Ratio Lower Upper
93 100
66 96.8 46.9 70.3#
65 59.4 26.5 39.7#





#7

Phenol-d6

Concen: 93.406 ng

RT: 6.492 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

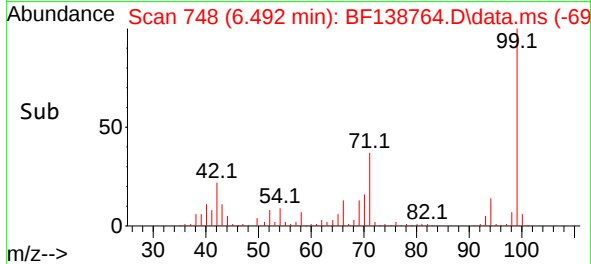
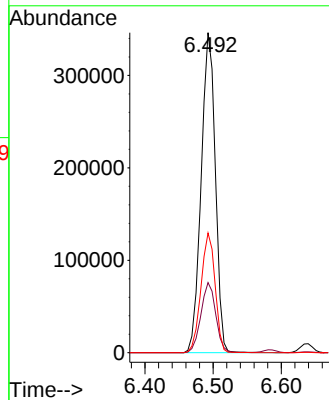
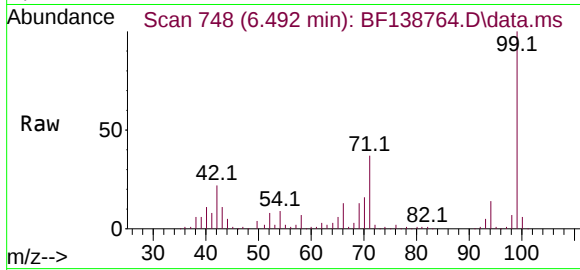
Tgt Ion: 99 Resp: 500508

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

71 37.4 28.1 42.1



#8

2-Chlorophenol

Concen: 50.779 ng

RT: 6.639 min Scan# 773

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

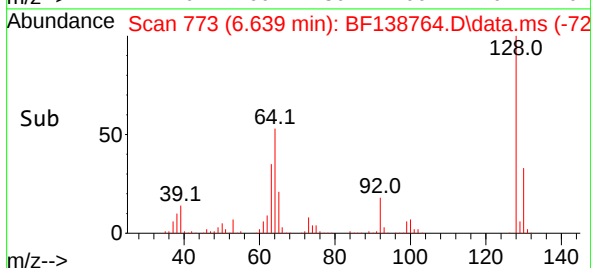
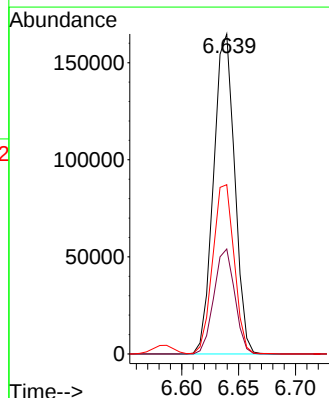
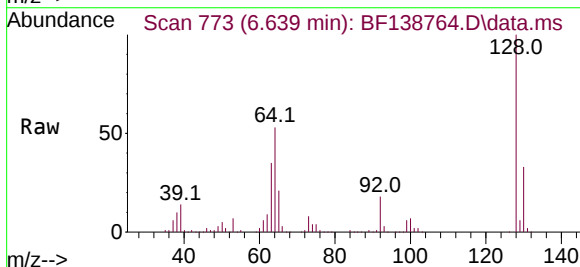
Tgt Ion: 128 Resp: 213221

Ion Ratio Lower Upper

128 100

130 32.8 12.0 52.0

64 52.9 36.3 76.3





#9

Benzaldehyde

Concen: 3.415 ng

RT: 6.398 min Scan# 710

Delta R.T. 0.000 min

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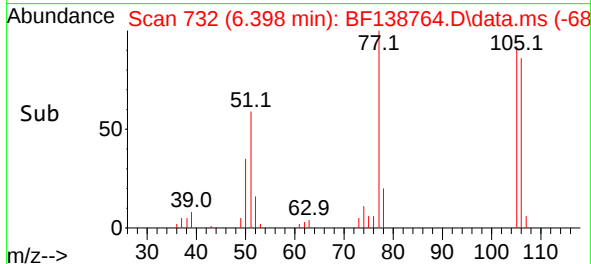
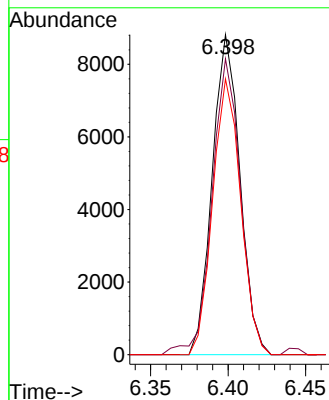
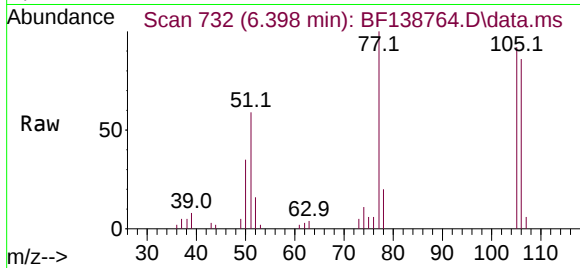
Tgt Ion: 77 Resp: 10969

Ion Ratio Lower Upper

77 100

105 92.4 72.9 112.9

106 86.1 68.4 108.4



#10

Phenol

Concen: 49.898 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.012 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

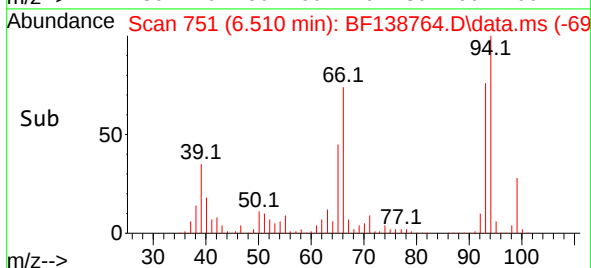
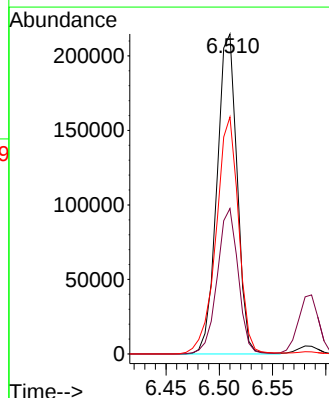
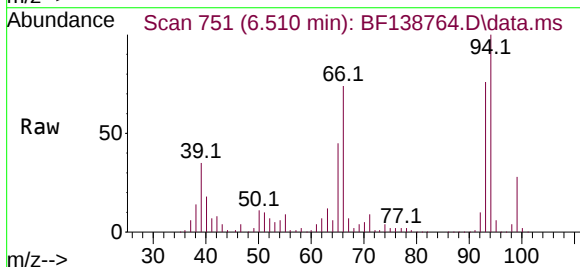
Tgt Ion: 94 Resp: 281511

Ion Ratio Lower Upper

94 100

65 45.5 16.9 56.9

66 74.0 36.5 76.5

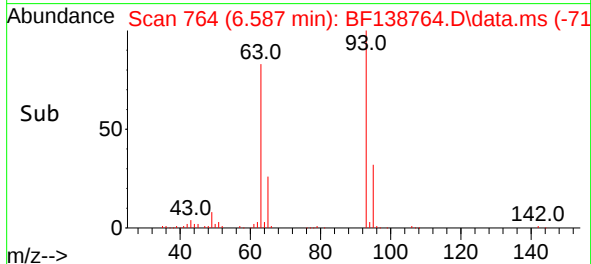
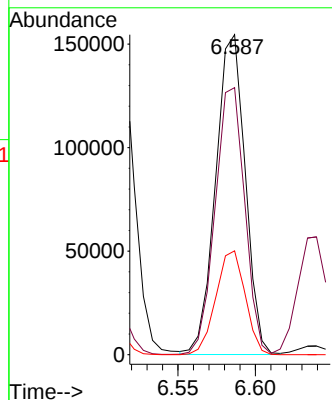
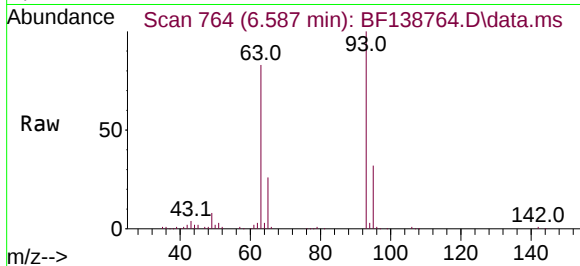




#11
bis(2-Chloroethyl)ether
Concen: 47.203 ng
RT: 6.587 min Scan# 704
Delta R.T. -0.000 min
Lab File: BF138764.D
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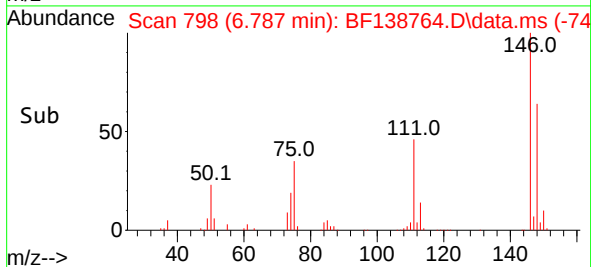
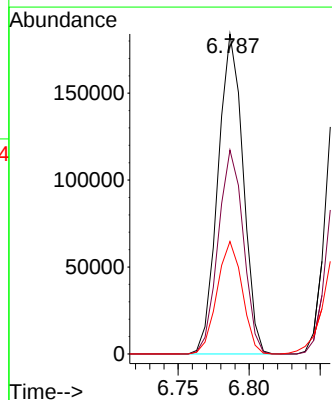
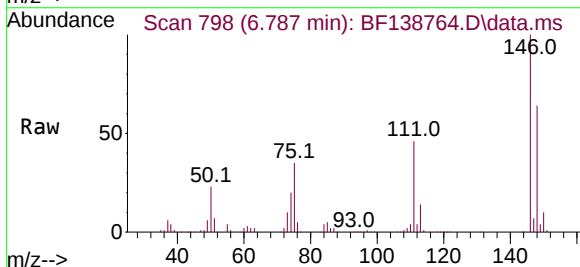
Instrument :
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Tgt Ion: 93 Resp: 204934
Ion Ratio Lower Upper
93 100
63 83.4 65.3 105.3
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 48.168 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:146 Resp: 226404
Ion Ratio Lower Upper
146 100
148 63.7 51.2 76.8
75 35.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 48.864 ng

RT: 6.863 min Scan# 811

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

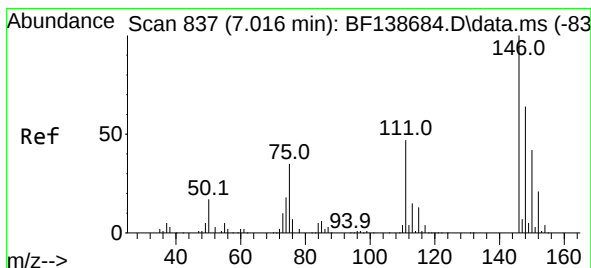
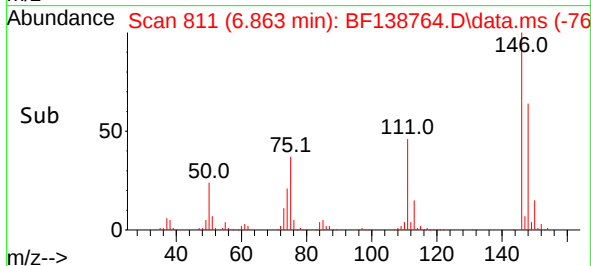
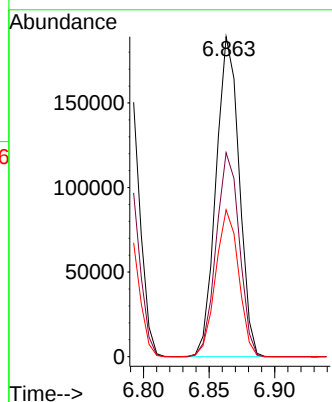
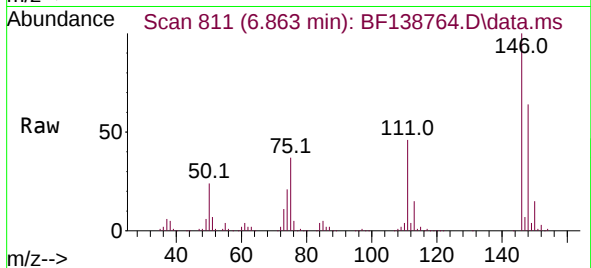
Tgt Ion:146 Resp: 231785

Ion Ratio Lower Upper

146 100

148 63.7 50.2 75.2

111 45.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 49.606 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

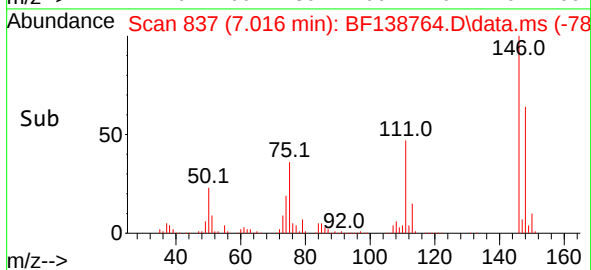
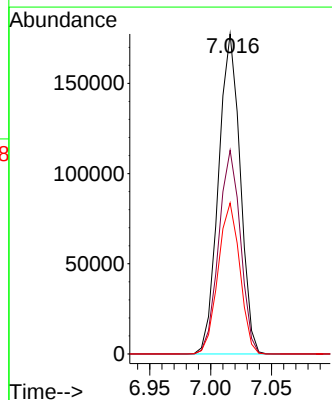
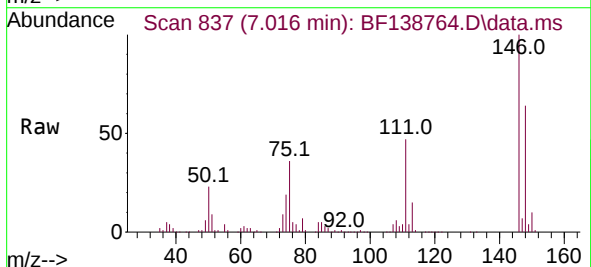
Tgt Ion:146 Resp: 219907

Ion Ratio Lower Upper

146 100

148 63.6 50.8 76.2

111 47.2 37.4 56.2

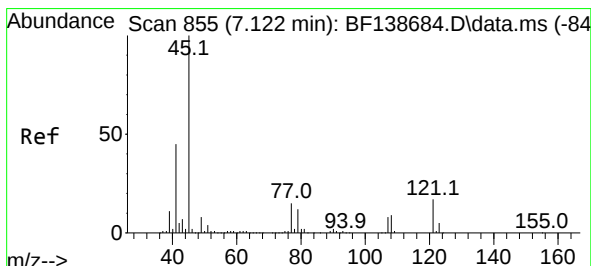
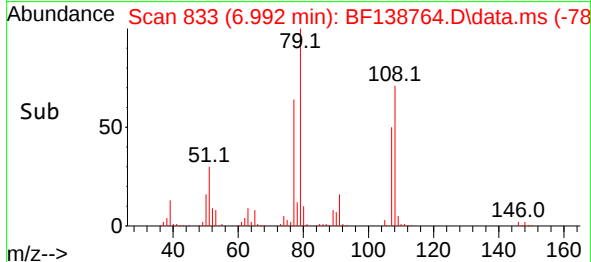
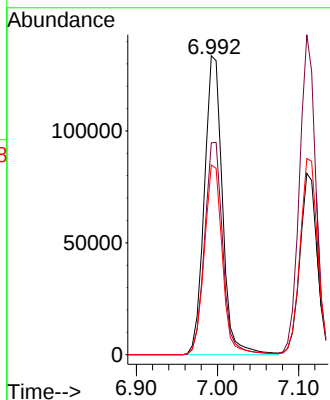
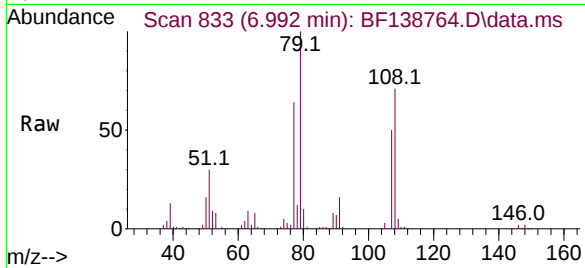




#15
Benzyl Alcohol
Concen: 53.527 ng
RT: 6.992 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

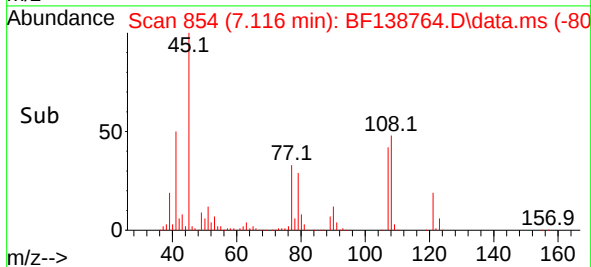
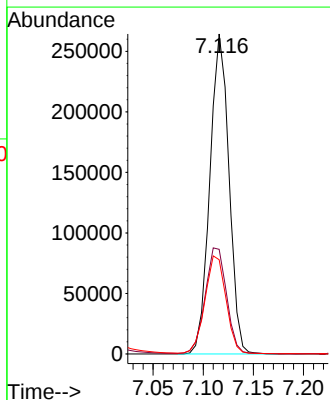
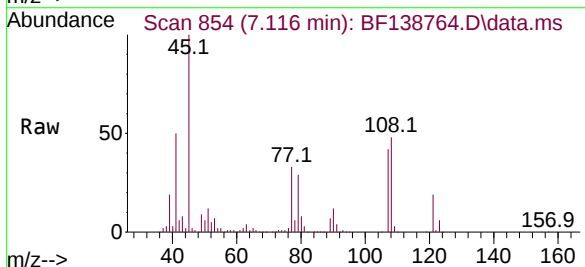
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

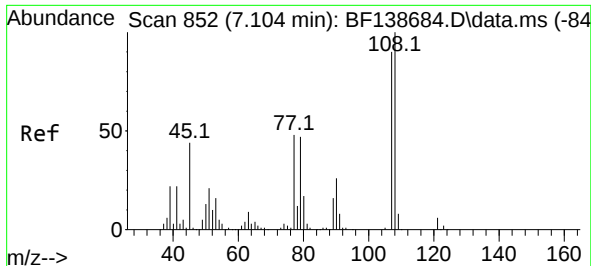
Tgt Ion: 79 Resp: 206723
Ion Ratio Lower Upper
79 100
108 70.9 56.6 85.0
77 63.5 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.967 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 45 Resp: 350918
Ion Ratio Lower Upper
45 100
77 32.7 0.0 34.9
79 29.5 0.0 32.2

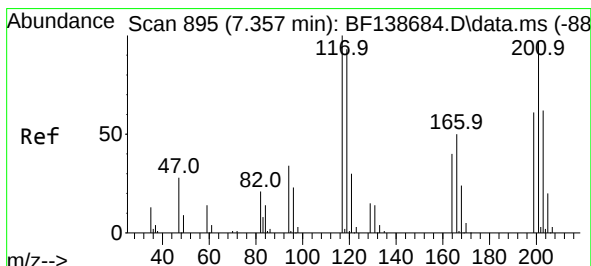
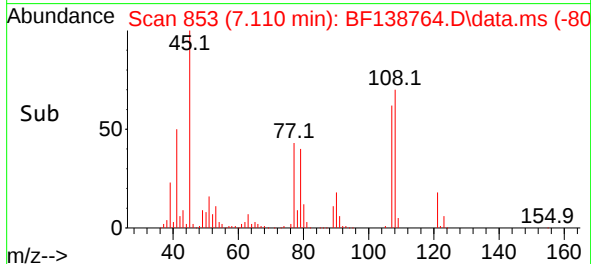
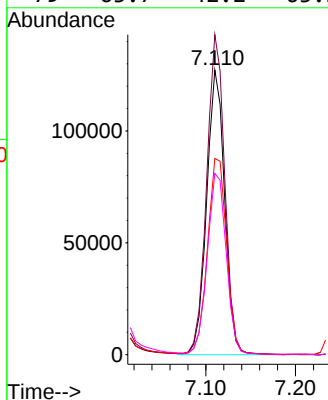
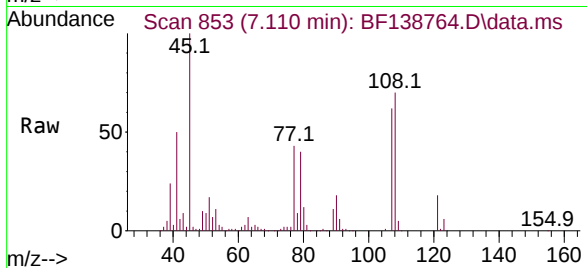




#17
2-Methylphenol
Concen: 51.174 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

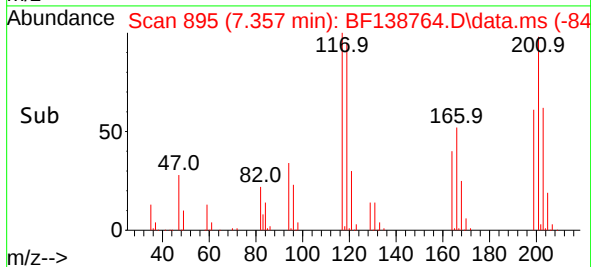
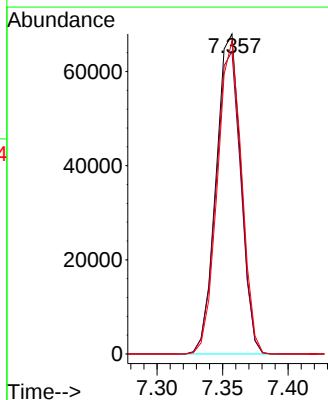
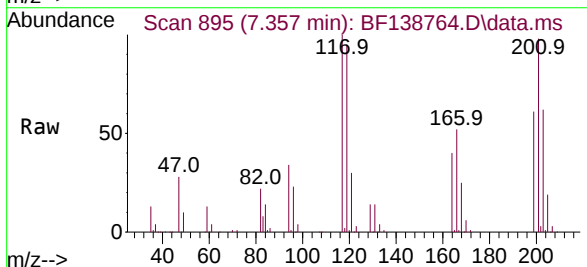
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:107 Resp: 177436
Ion Ratio Lower Upper
107 100
108 112.4 89.2 133.8
77 68.9 43.0 64.4#
79 63.7 42.2 63.2#



#18
Hexachloroethane
Concen: 49.867 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:117 Resp: 89040
Ion Ratio Lower Upper
117 100
119 94.5 74.6 111.8
201 97.8 77.2 115.8



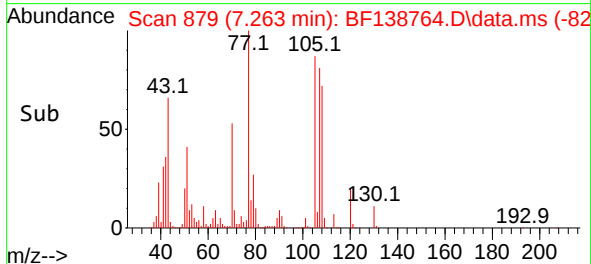
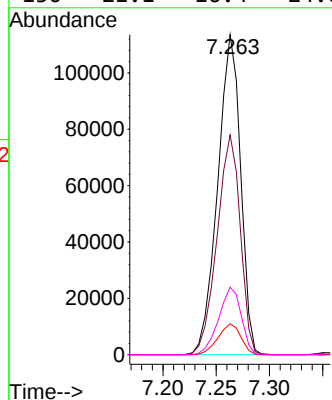
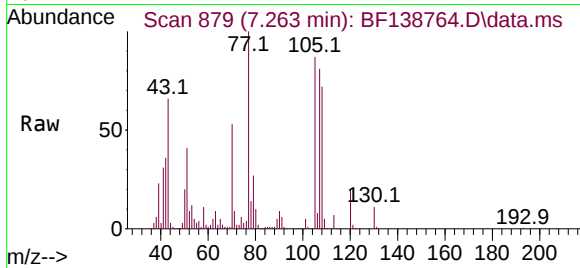


#19
n-Nitroso-di-n-propylamine
Concen: 52.304 ng
RT: 7.263 min Scan# 819
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion: 70 Resp: 169274

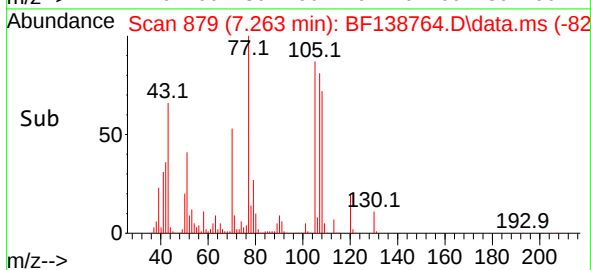
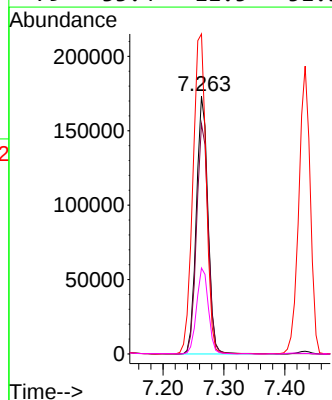
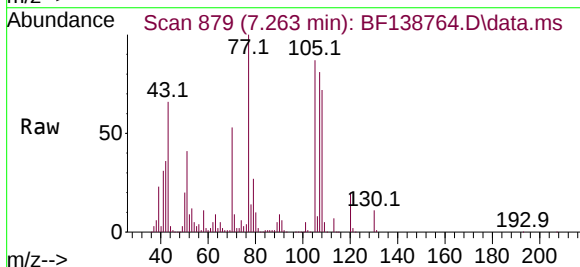
Ion	Ratio	Lower	Upper
70	100		
42	68.7	57.4	86.0
101	9.6	7.5	11.3
130	21.1	16.4	24.6

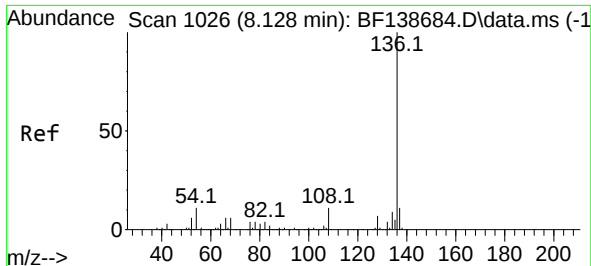


#20
3+4-Methylphenols
Concen: 51.664 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 107 Resp: 229840

Ion	Ratio	Lower	Upper
107	100		
108	89.3	68.2	108.2
77	124.2	132.1	172.1#
79	33.4	11.5	51.5

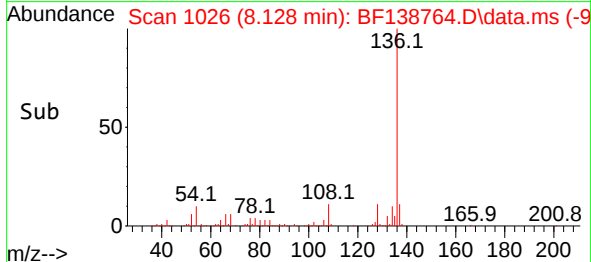
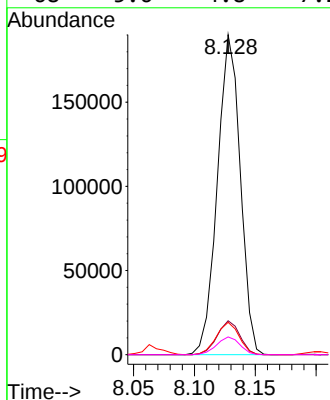
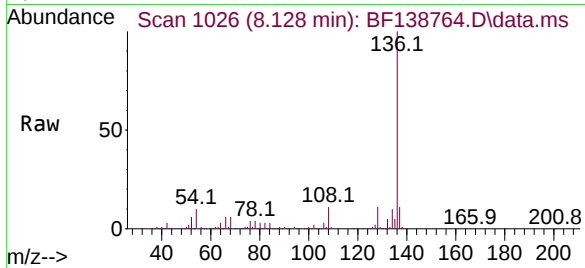




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

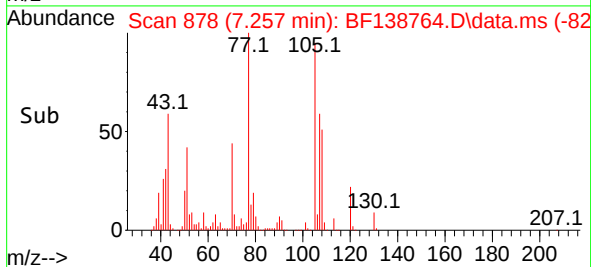
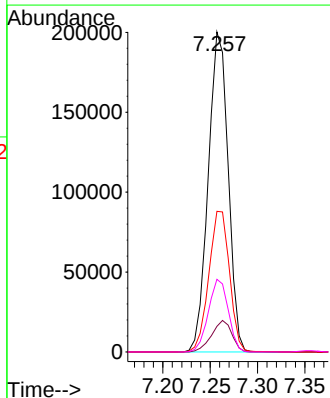
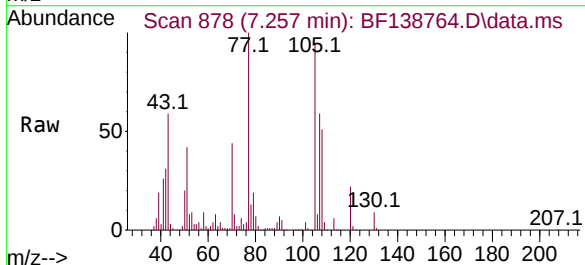
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

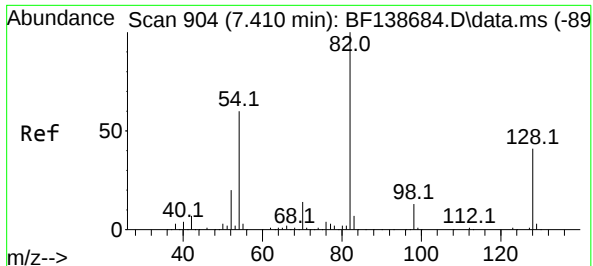
Tgt Ion:136 Resp: 248798
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 10.1 8.6 12.8
68 5.6 4.8 7.2



#22
Acetophenone
Concen: 48.044 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:105 Resp: 292674
Ion Ratio Lower Upper
105 100
71 8.0 7.2 10.8
51 44.0 35.9 53.9
120 22.7 17.6 26.4





#23

Nitrobenzene-d5

Concen: 68.010 ng

RT: 7.416 min Scan# 904

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

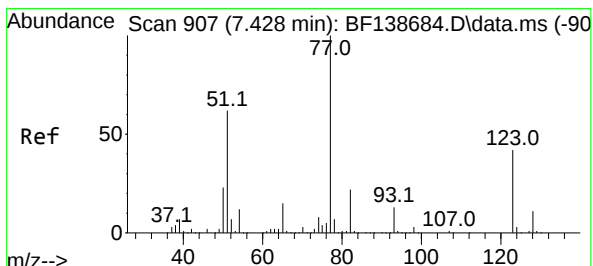
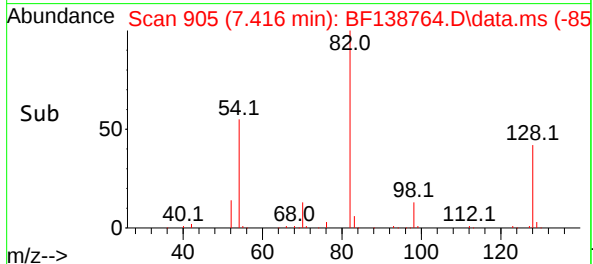
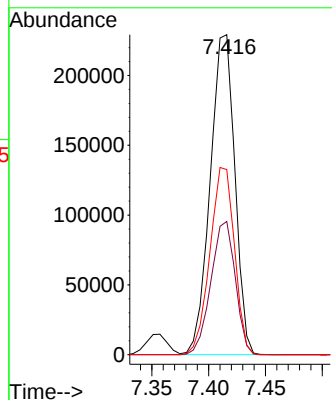
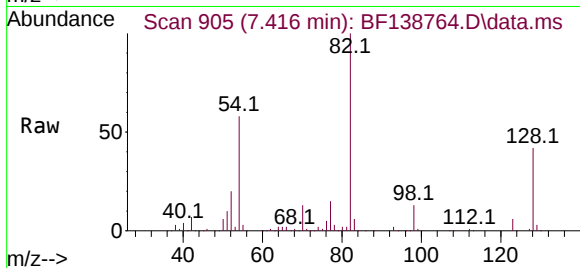
Tgt Ion: 82 Resp: 346090

Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

54 57.9 48.3 72.5



#24

Nitrobenzene

Concen: 48.614 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

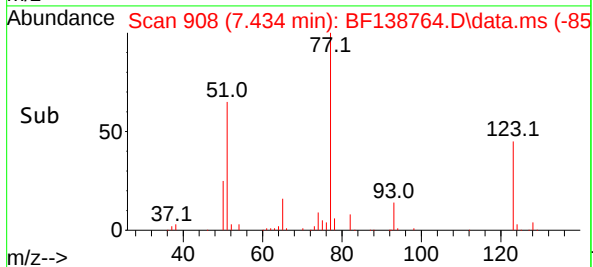
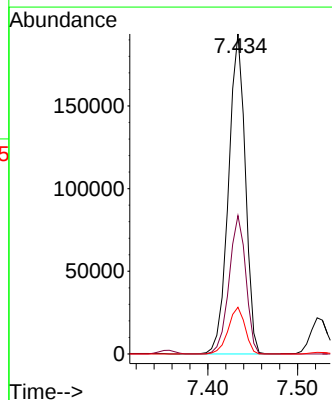
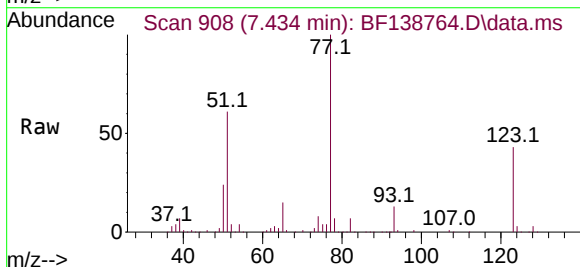
Tgt Ion: 77 Resp: 251732

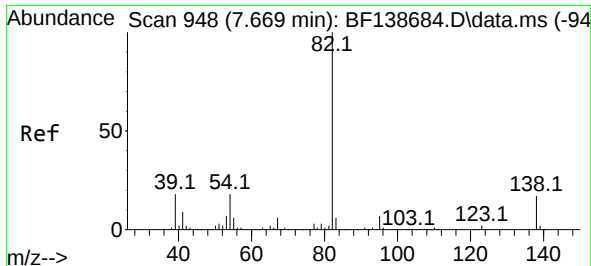
Ion Ratio Lower Upper

77 100

123 43.2 33.3 49.9

65 14.6 11.9 17.9

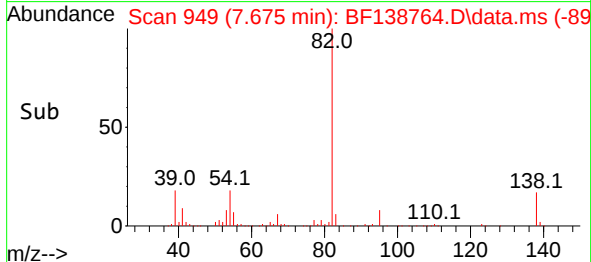
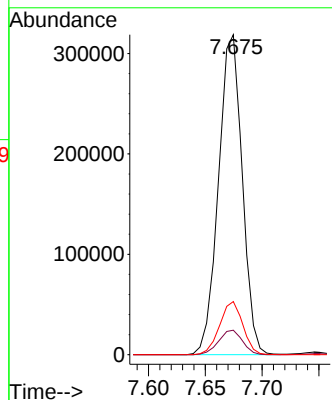
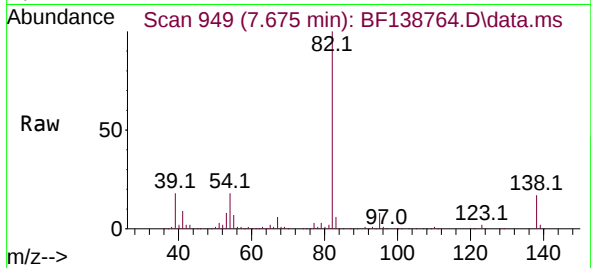




#25
Isophorone
Concen: 53.350 ng
RT: 7.675 min Scan# 948
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

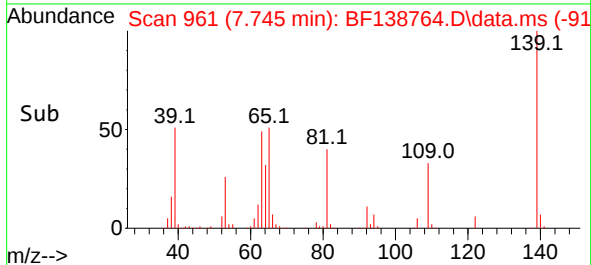
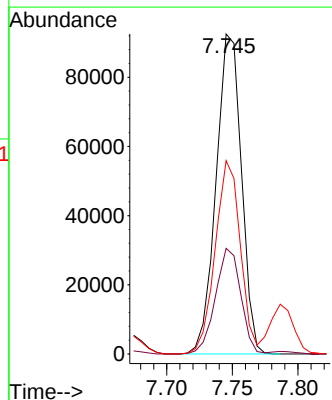
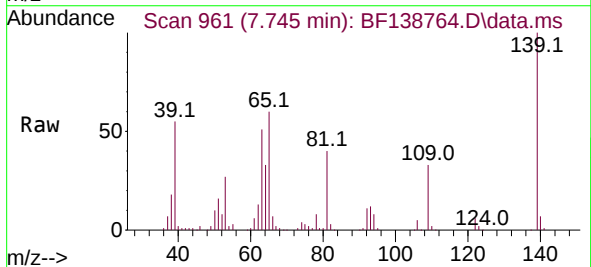
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

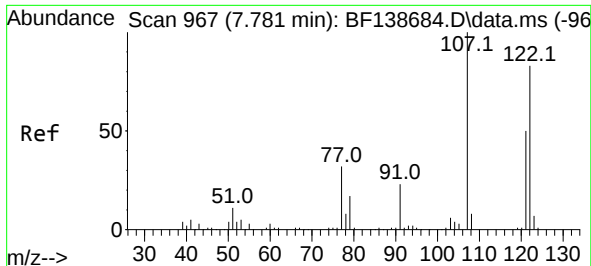
Tgt Ion: 82 Resp: 463579
Ion Ratio Lower Upper
82 100
95 7.7 5.7 8.5
138 16.6 13.7 20.5



#26
2-Nitrophenol
Concen: 55.877 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 139 Resp: 124484
Ion Ratio Lower Upper
139 100
109 33.0 25.9 38.9
65 60.4 47.0 70.6

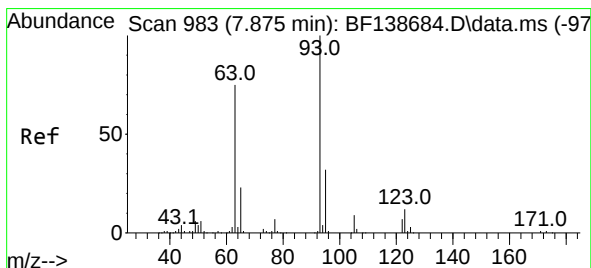
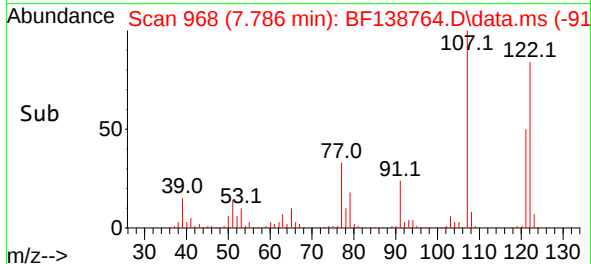
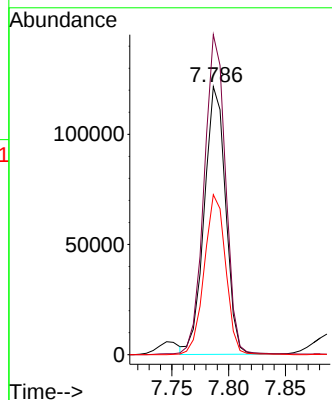
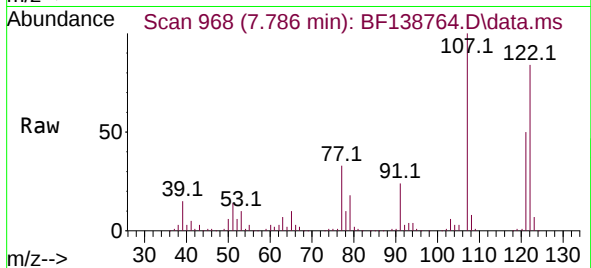




#27
2,4-Dimethylphenol
Concen: 59.675 ng
RT: 7.786 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

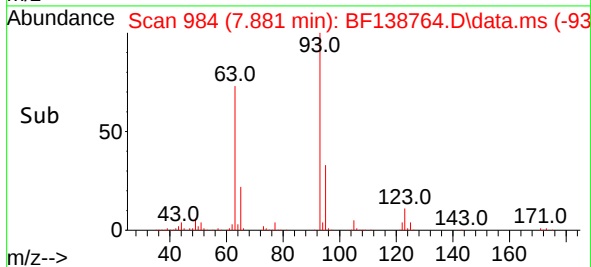
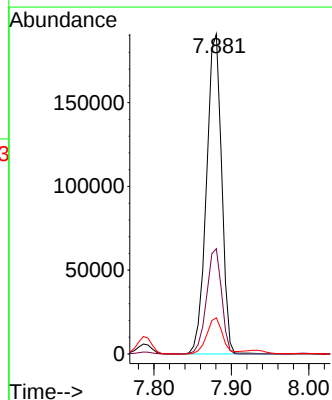
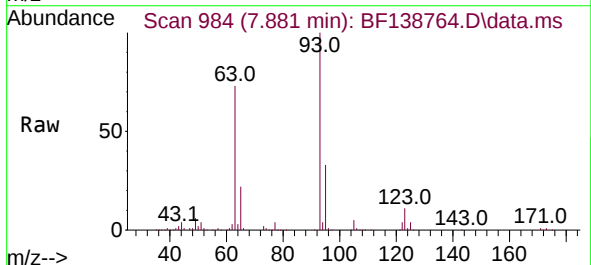
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

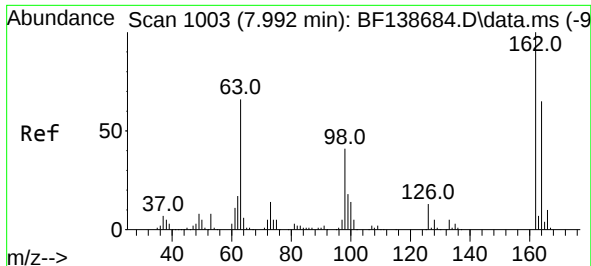
Tgt Ion:122 Resp: 159064
Ion Ratio Lower Upper
122 100
107 119.4 95.0 142.6
121 59.7 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 48.933 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 93 Resp: 258932
Ion Ratio Lower Upper
93 100
95 32.9 25.8 38.8
123 11.3 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 51.826 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

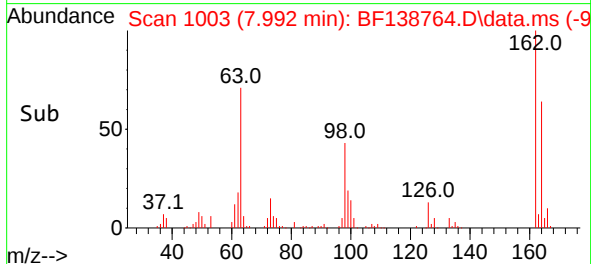
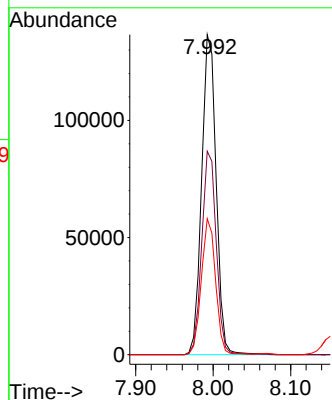
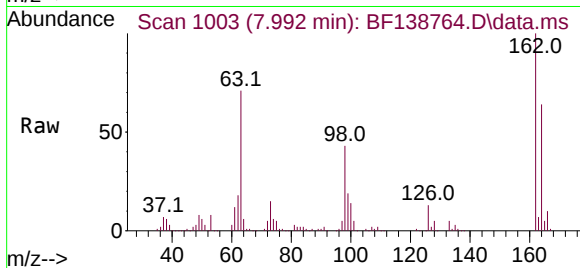
Tgt Ion:162 Resp: 177515

Ion Ratio Lower Upper

162 100

164 63.6 44.7 84.7

98 42.5 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 48.769 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

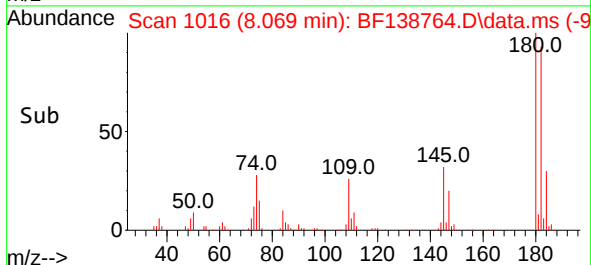
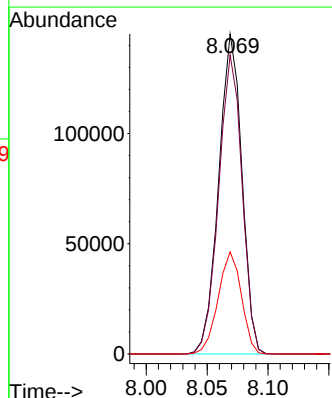
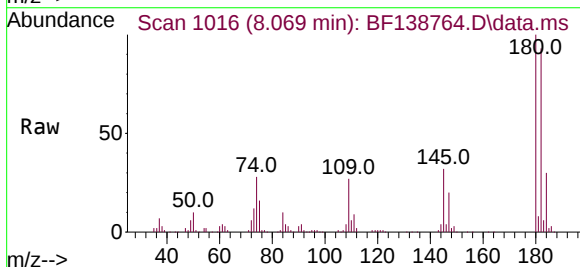
Tgt Ion:180 Resp: 192772

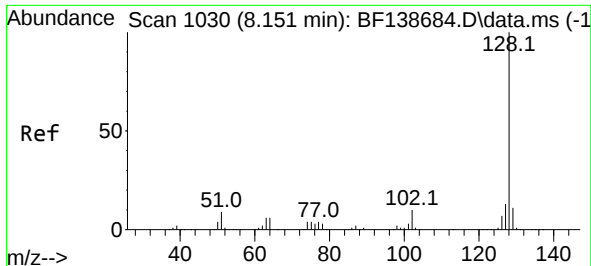
Ion Ratio Lower Upper

180 100

182 93.5 76.9 115.3

145 31.9 25.0 37.4

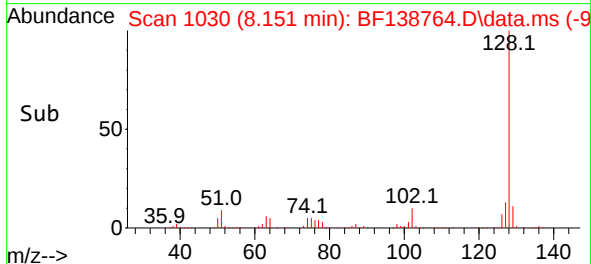
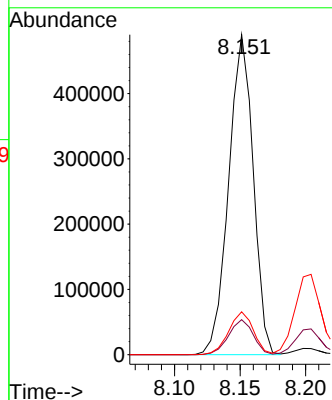
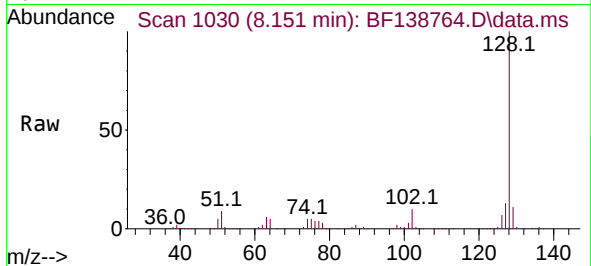




#31
Naphthalene
Concen: 48.774 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

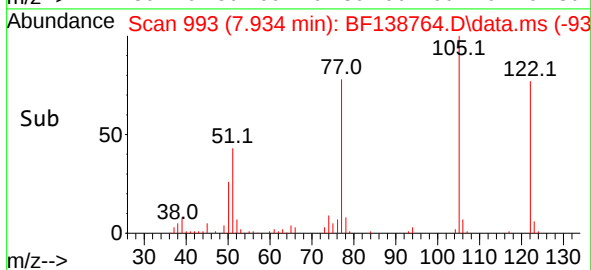
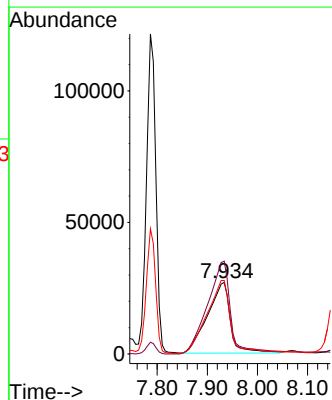
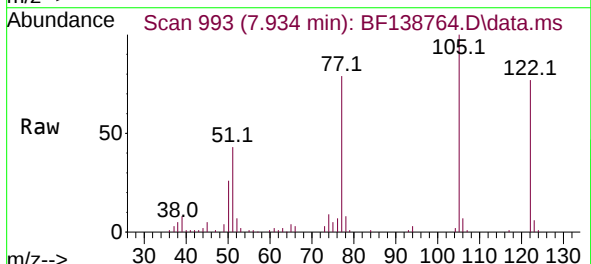
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:128 Resp: 638748
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 40.850 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:122 Resp: 85593
Ion Ratio Lower Upper
122 100
105 129.7 106.7 146.7
77 102.8 81.1 121.1

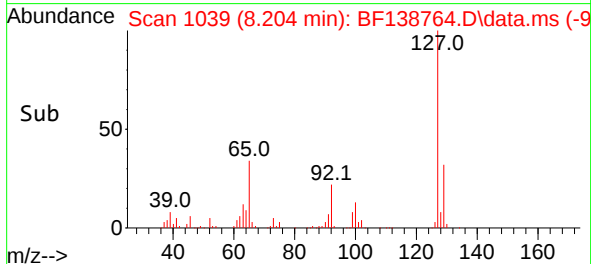
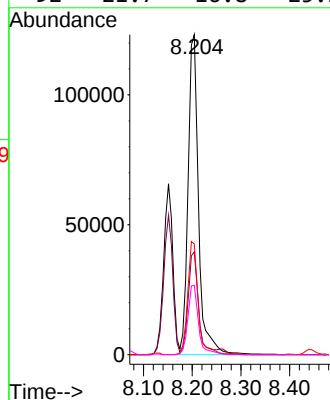
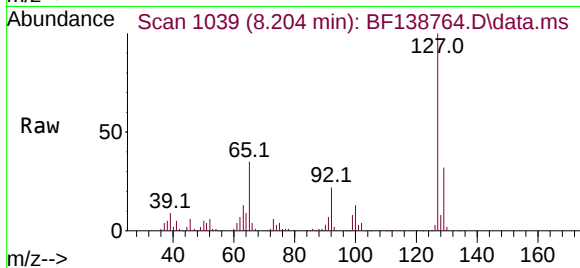




#33
4-Chloroaniline
Concen: 41.940 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

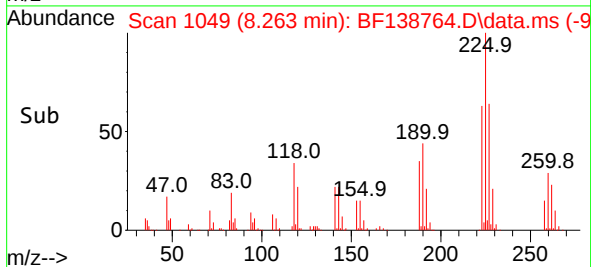
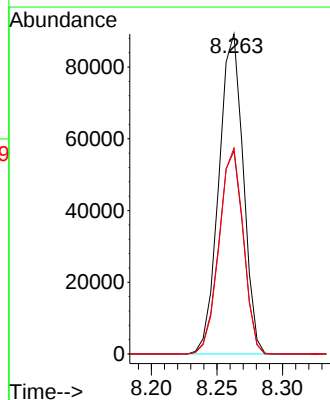
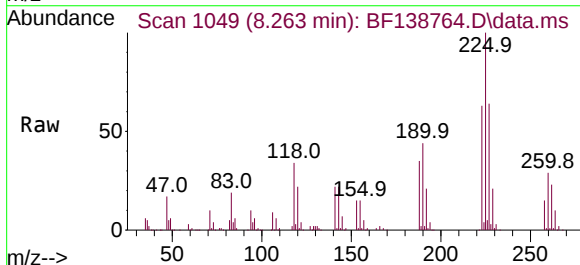
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

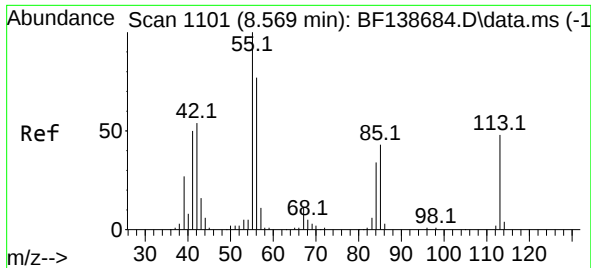
Tgt Ion:	127	Resp:	184370
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	34.6	27.6	41.4
92	21.7	16.8	25.2



#34
Hexachlorobutadiene
Concen: 48.057 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:	225	Resp:	115056
Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.2	76.8
227	64.4	51.1	76.7

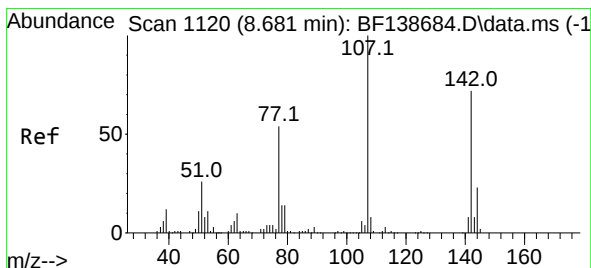
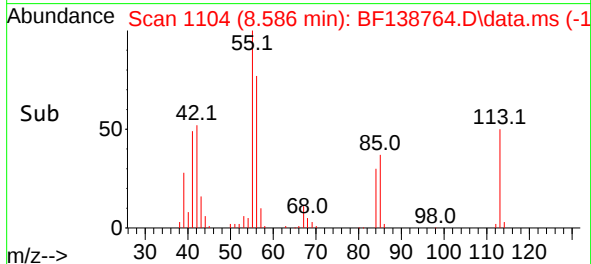
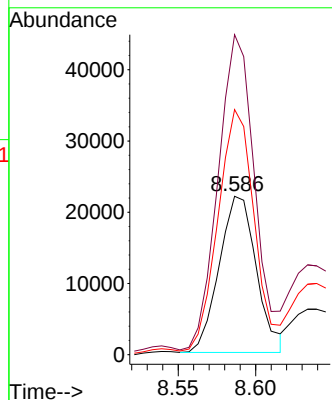
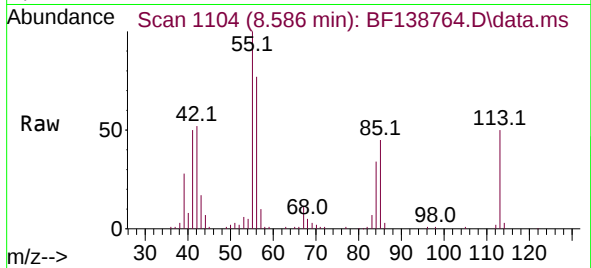




#35
Caprolactam
Concen: 35.824 ng
RT: 8.586 min Scan# 1104
Delta R.T. 0.018 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

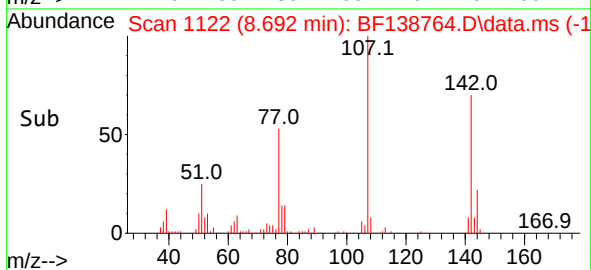
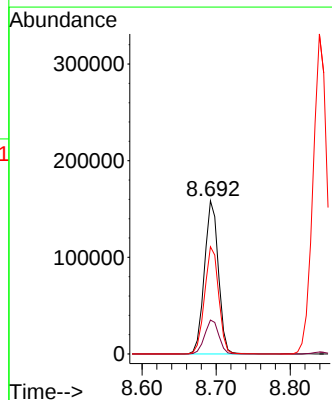
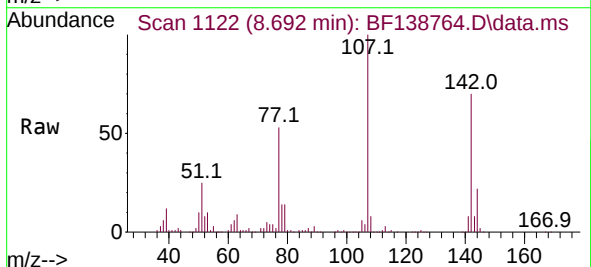
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

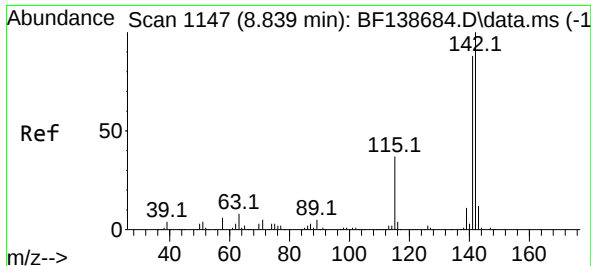
Tgt Ion:113 Resp: 36613
Ion Ratio Lower Upper
113 100
55 202.0 186.7 226.7
56 154.7 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 53.134 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:107 Resp: 207990
Ion Ratio Lower Upper
107 100
144 22.1 18.2 27.2
142 70.0 57.4 86.2





#37

2-Methylnaphthalene

Concen: 52.398 ng

RT: 8.839 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

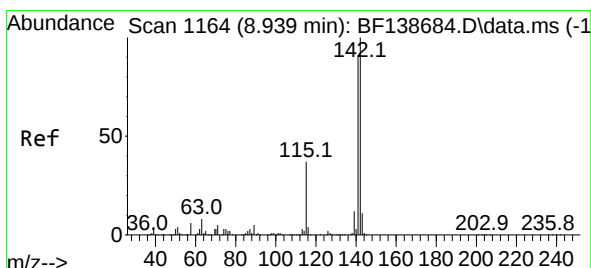
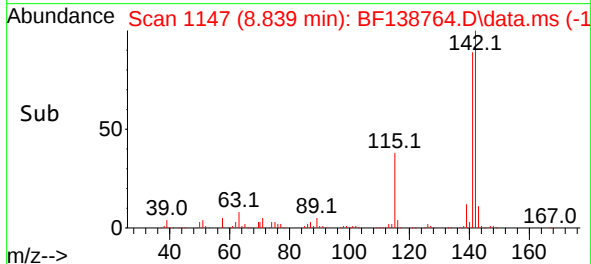
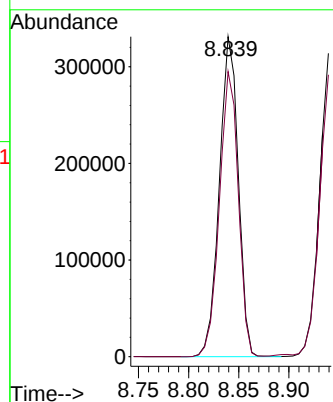
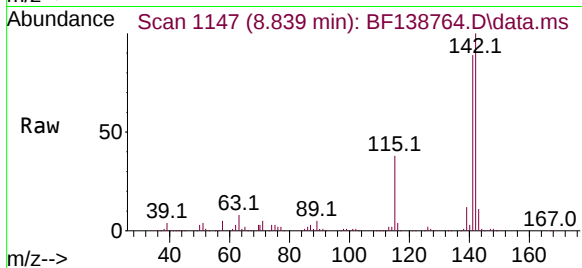
VNJ-222MSD

Tgt Ion:142 Resp: 433376

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2



#38

1-Methylnaphthalene

Concen: 49.585 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF138764.D

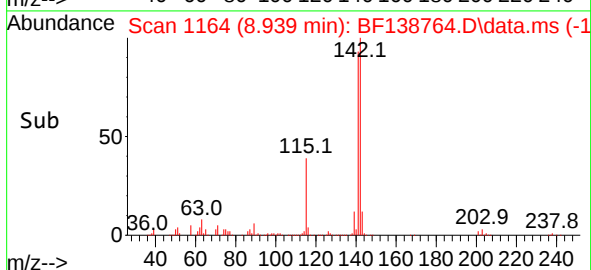
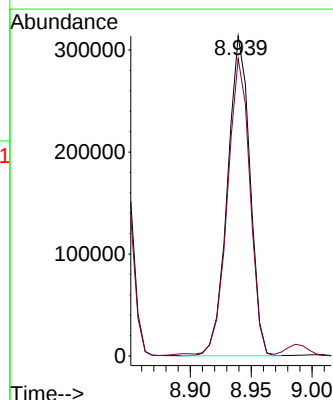
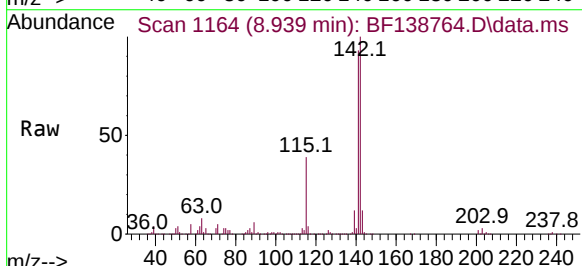
Acq: 03 Aug 2024 12:03

Tgt Ion:142 Resp: 401865

Ion Ratio Lower Upper

142 100

141 93.0 73.1 109.7

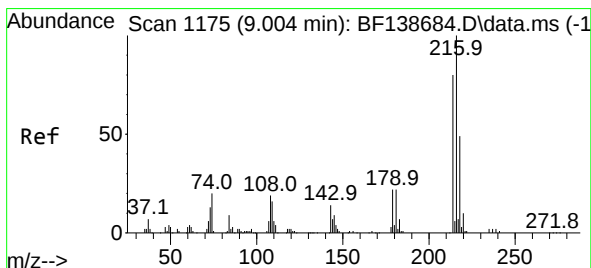
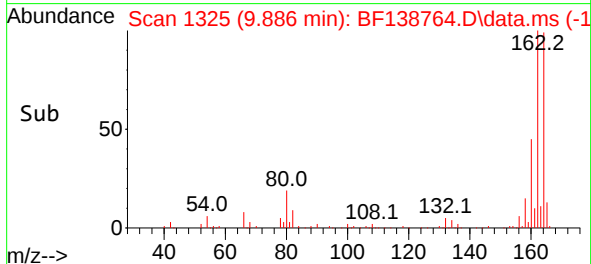
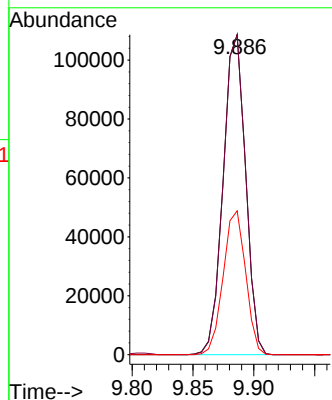
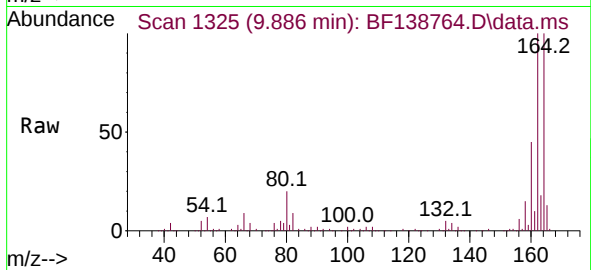




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1175
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

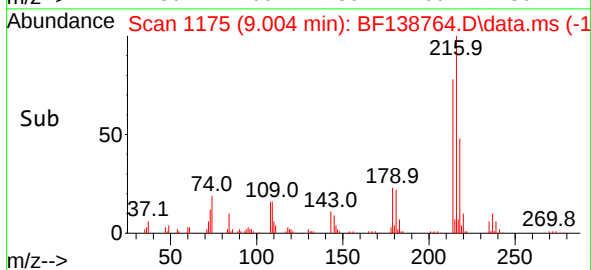
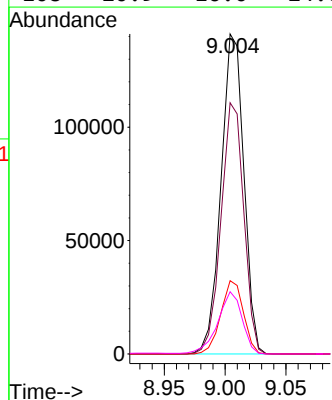
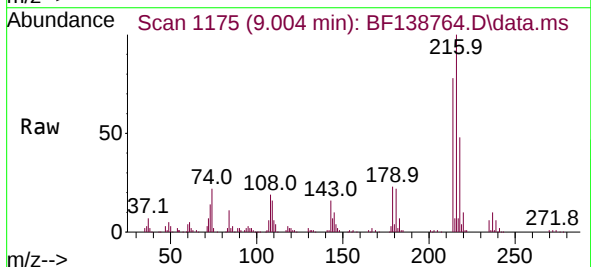
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:164 Resp: 139445
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.0
160 45.0 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.460 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:216 Resp: 183843
Ion Ratio Lower Upper
216 100
214 78.2 63.9 95.9
179 22.7 17.8 26.6
108 20.9 16.0 24.0

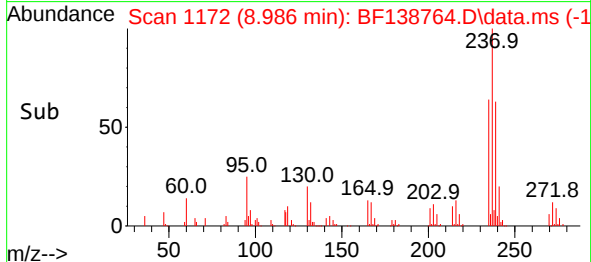
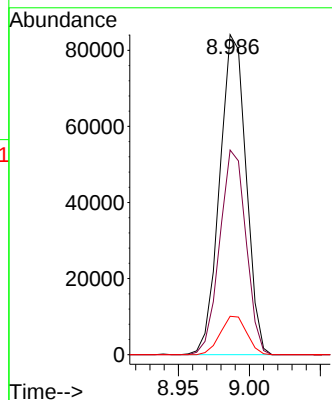
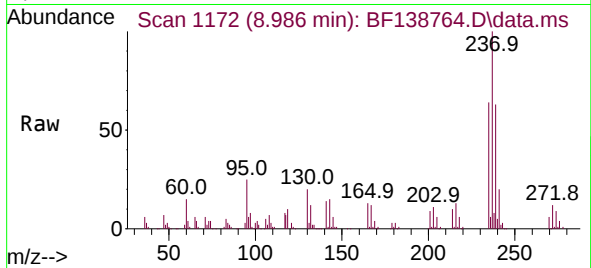




#41
Hexachlorocyclopentadiene
Concen: 103.715 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

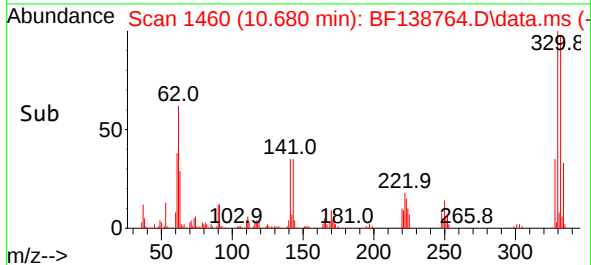
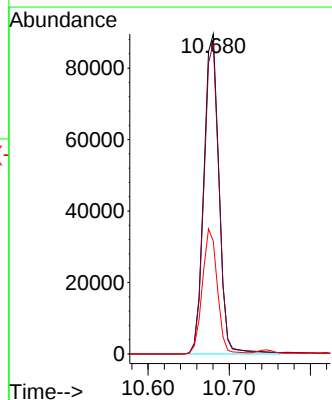
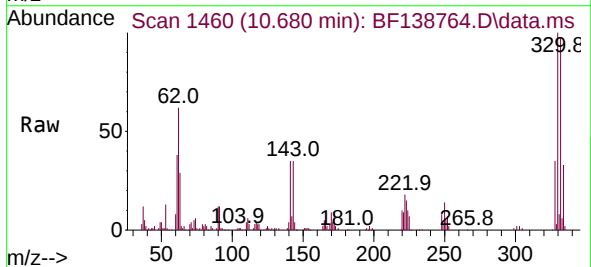
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:237 Resp: 108657
Ion Ratio Lower Upper
237 100
235 64.0 41.8 81.8
272 12.0 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 101.711 ng
RT: 10.680 min Scan# 1460
Delta R.T. 0.012 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

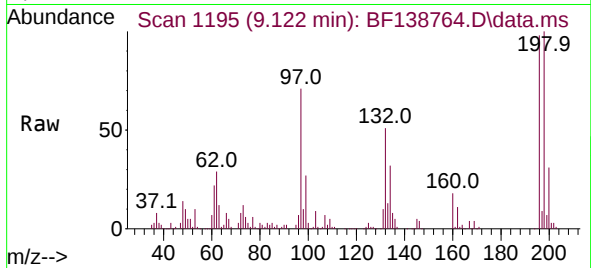
Tgt Ion:330 Resp: 116179
Ion Ratio Lower Upper
330 100
332 97.0 76.4 114.6
141 38.5 31.1 46.7



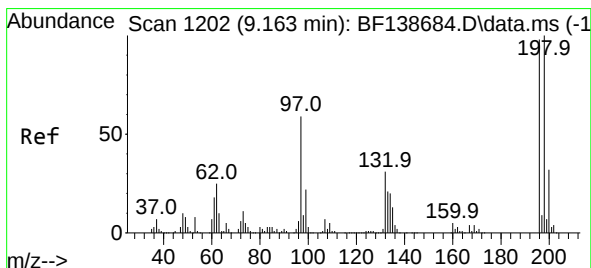
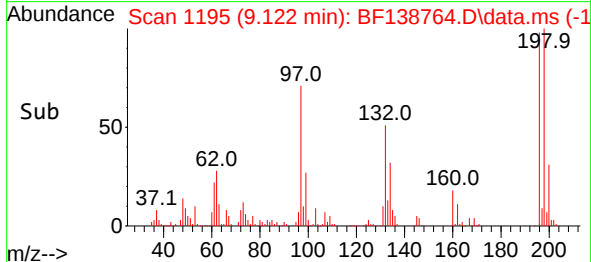
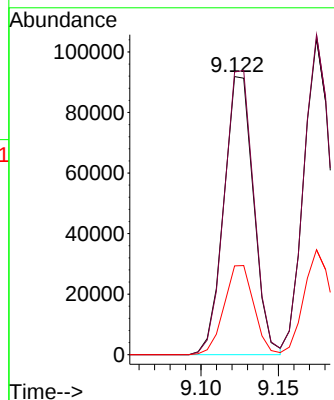


#43
2,4,6-Trichlorophenol
Concen: 52.029 ng
RT: 9.122 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

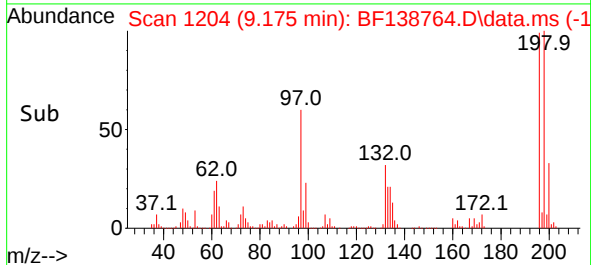
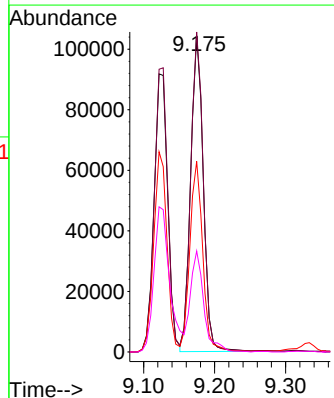
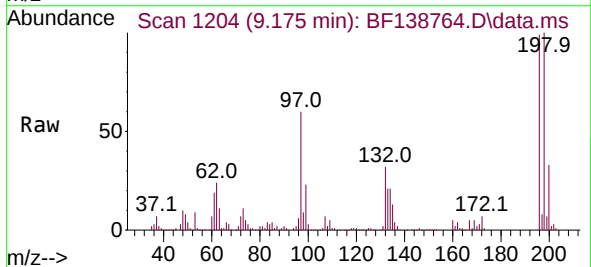


Tgt Ion:196 Resp: 122881
Ion Ratio Lower Upper
196 100
198 101.7 80.5 120.7
200 31.9 25.9 38.9



#44
2,4,5-Trichlorophenol
Concen: 49.891 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:196 Resp: 128815
Ion Ratio Lower Upper
196 100
198 101.2 81.2 121.8
97 60.3 47.8 71.6
132 31.9 25.3 37.9

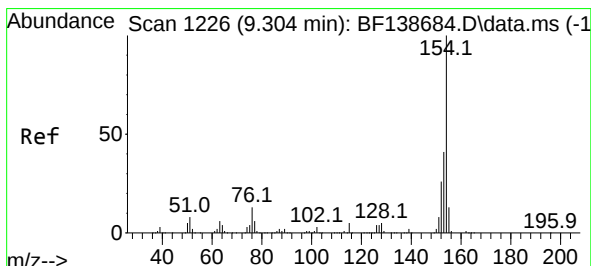
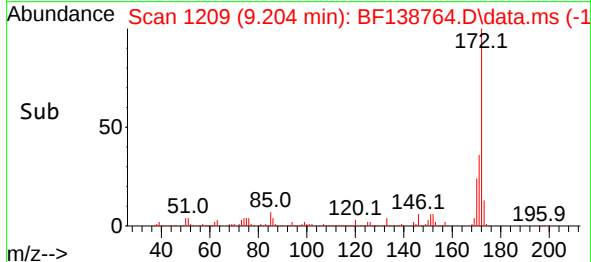
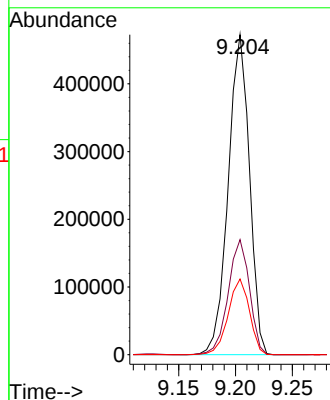
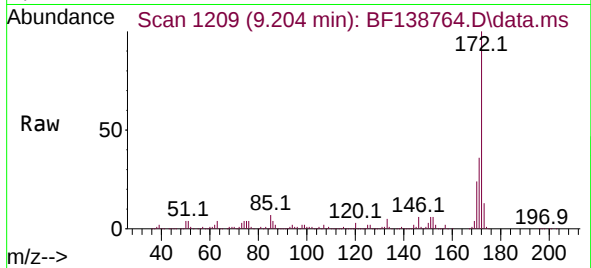




#45
2-Fluorobiphenyl
Concen: 66.183 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

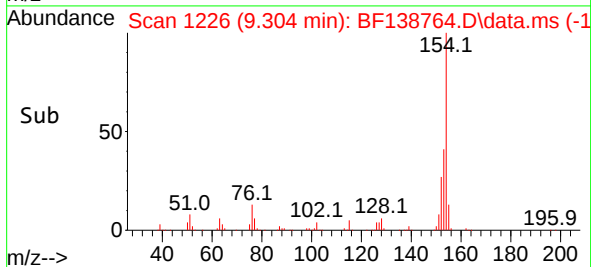
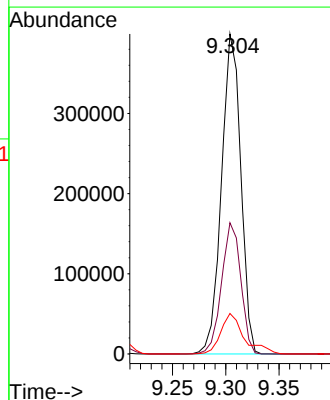
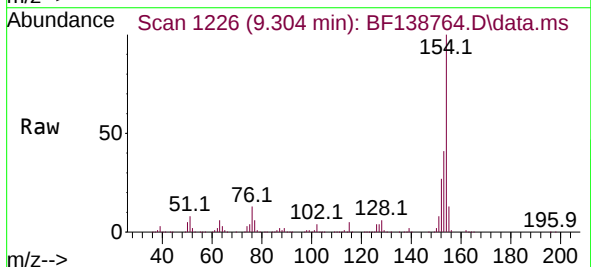
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:172 Resp: 614239
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.7 18.8 28.2



#46
1,1'-Biphenyl
Concen: 45.950 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:154 Resp: 501823
Ion Ratio Lower Upper
154 100
153 41.0 20.8 60.8
76 12.6 0.0 32.8

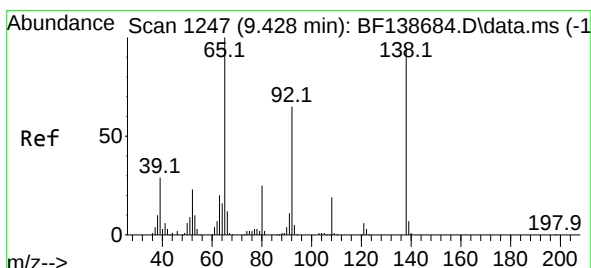
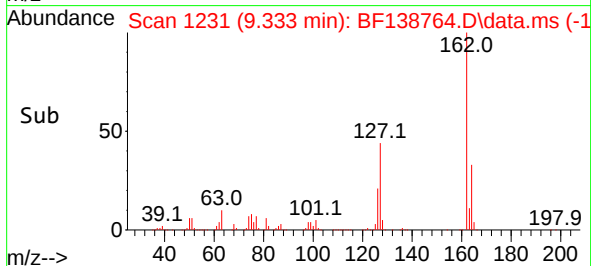
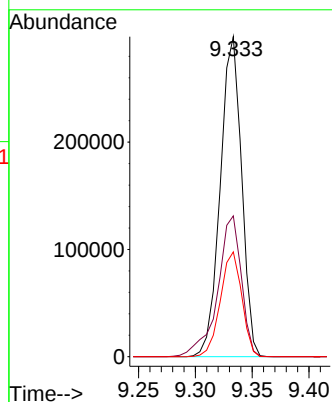
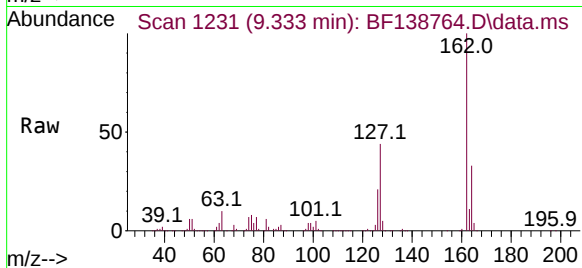




#47
2-Chloronaphthalene
Concen: 48.002 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

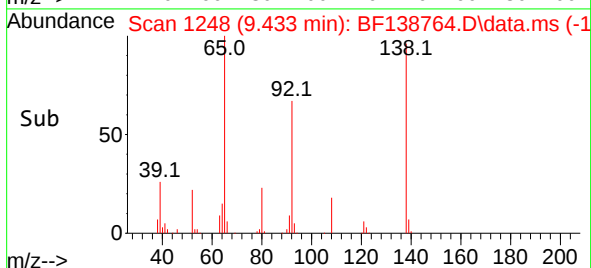
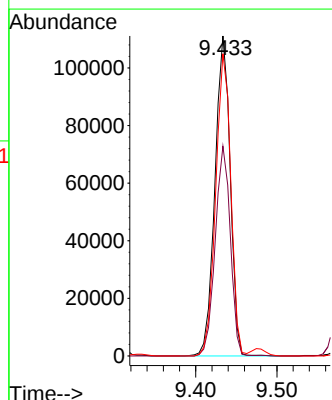
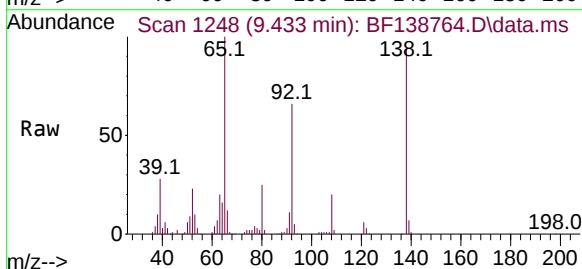
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

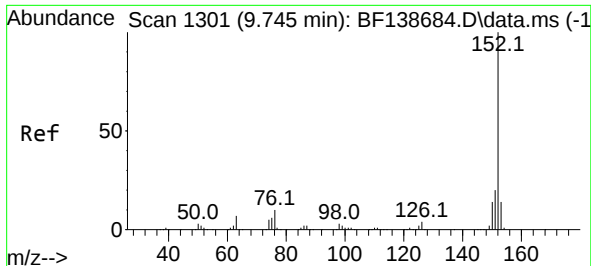
Tgt Ion:162 Resp: 389888
Ion Ratio Lower Upper
162 100
127 44.0 35.4 53.2
164 32.8 25.6 38.4



#48
2-Nitroaniline
Concen: 52.693 ng
RT: 9.433 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion: 65 Resp: 145094
Ion Ratio Lower Upper
65 100
92 65.5 52.0 78.0
138 94.5 76.2 114.4





#49

Acenaphthylene

Concen: 54.236 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

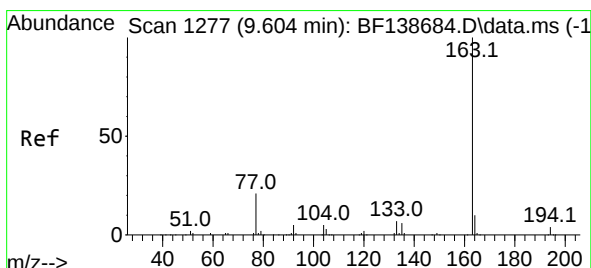
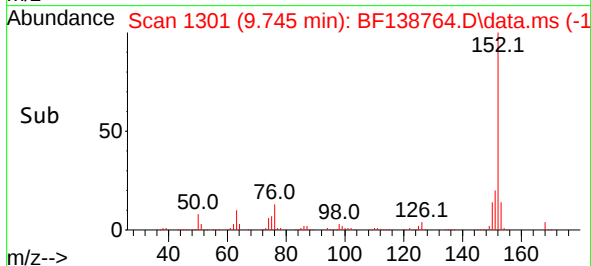
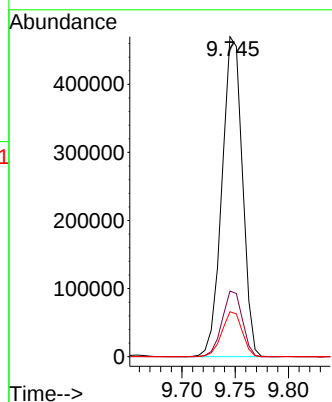
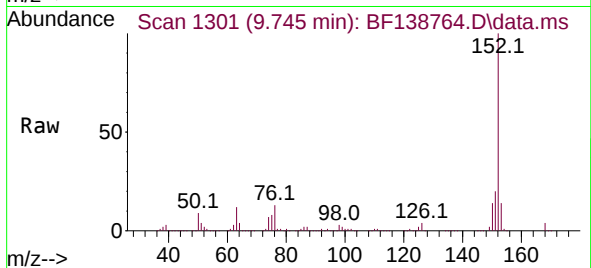
Tgt Ion:152 Resp: 624799

Ion Ratio Lower Upper

152 100

151 20.5 16.0 24.0

153 14.0 11.0 16.4



#50

Dimethylphthalate

Concen: 52.514 ng

RT: 9.610 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

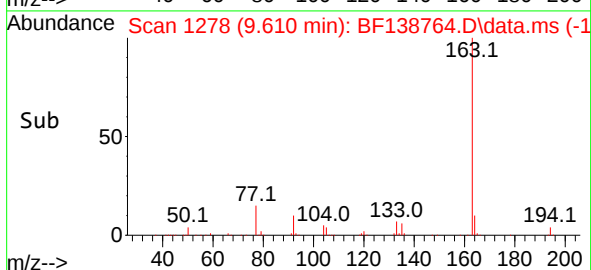
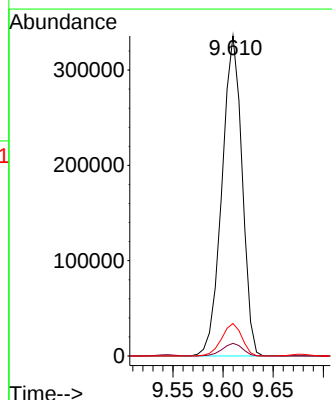
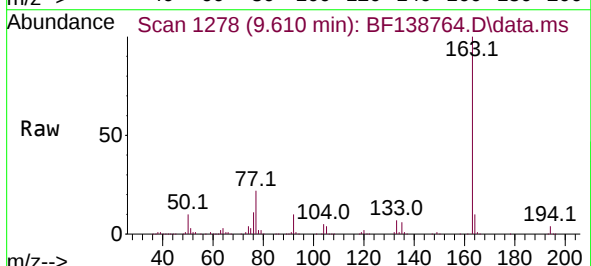
Tgt Ion:163 Resp: 468232

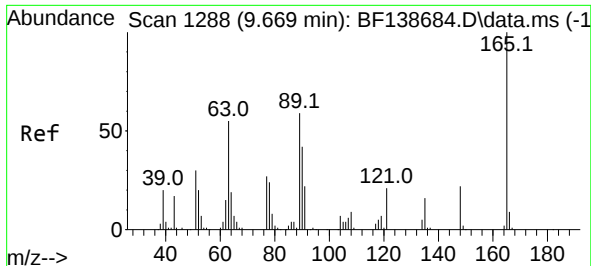
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.2 7.8 11.8

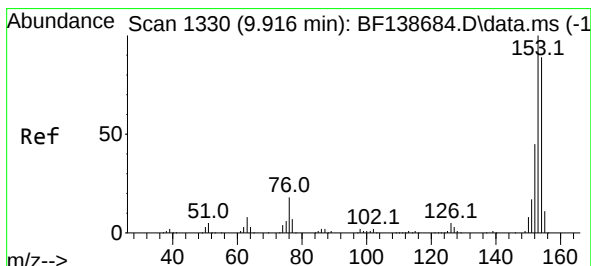
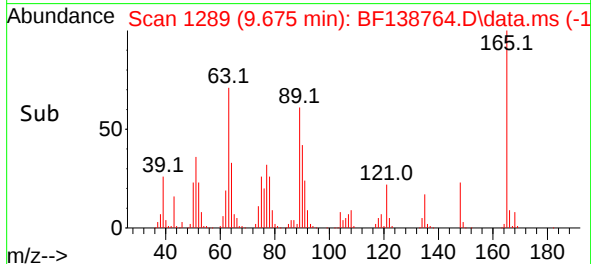
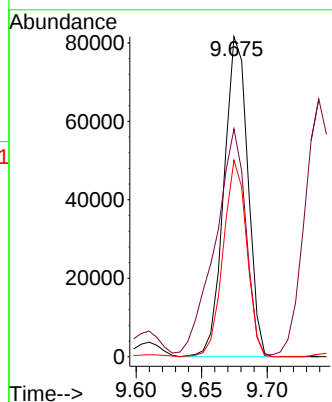
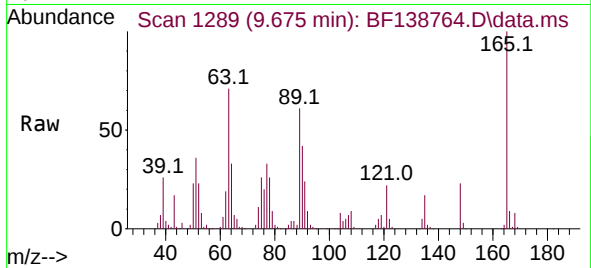




#51
2,6-Dinitrotoluene
Concen: 51.290 ng
RT: 9.675 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

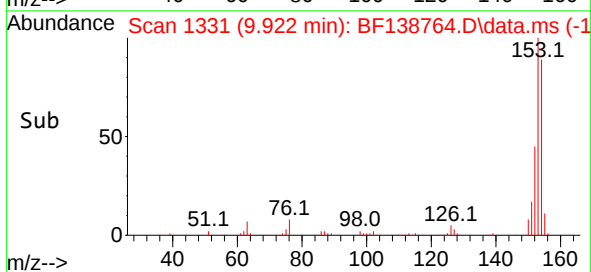
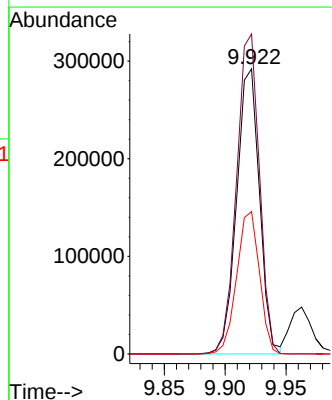
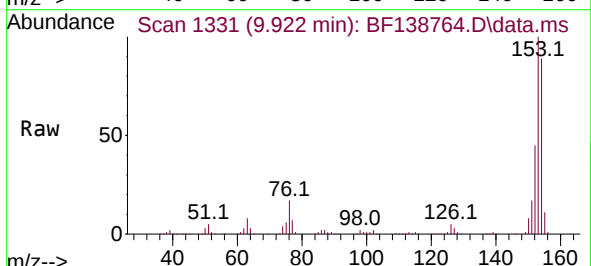
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

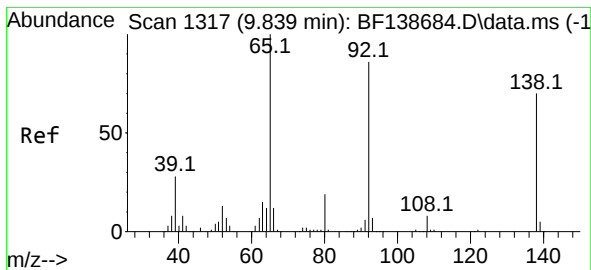
Tgt Ion:165 Resp: 103207
Ion Ratio Lower Upper
165 100
63 71.2 52.0 78.0
89 61.4 47.0 70.6



#52
Acenaphthene
Concen: 49.370 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:154 Resp: 382314
Ion Ratio Lower Upper
154 100
153 112.3 89.9 134.9
152 50.0 40.6 60.8





#53

3-Nitroaniline

Concen: 42.478 ng

RT: 9.845 min Scan# 1317

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

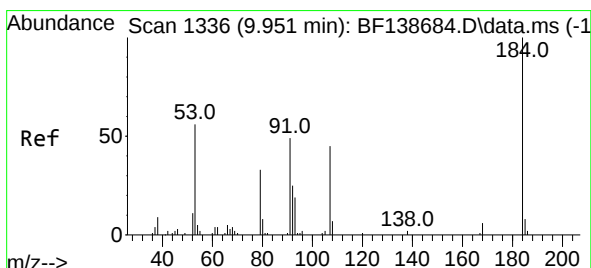
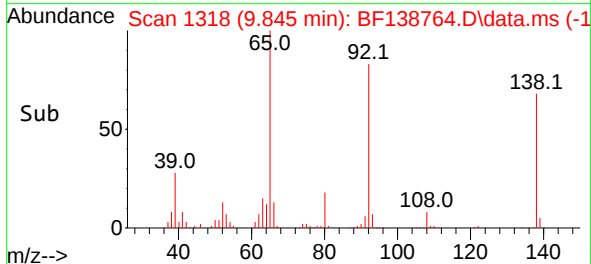
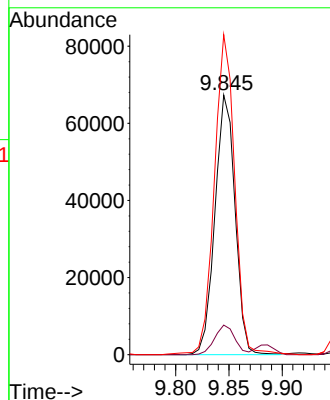
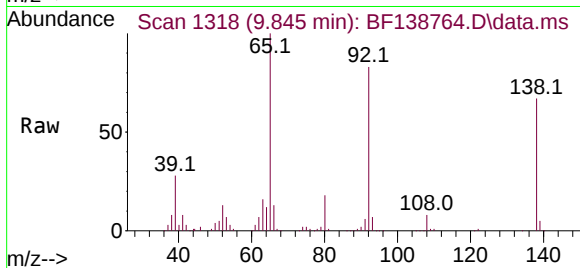
Tgt Ion:138 Resp: 88363

Ion Ratio Lower Upper

138 100

108 11.4 9.1 13.7

92 123.3 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 103.199 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.012 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

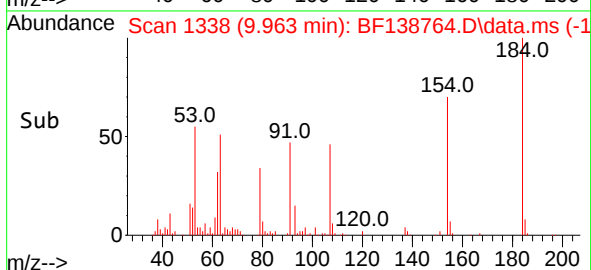
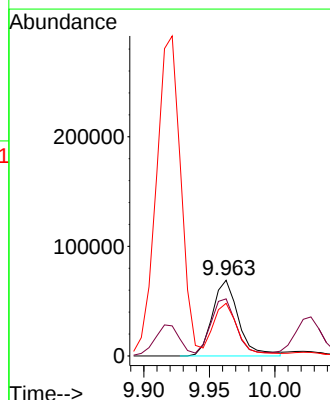
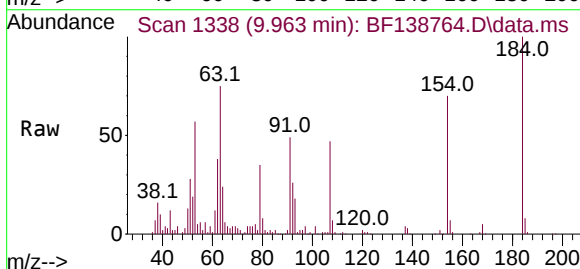
Tgt Ion:184 Resp: 95593

Ion Ratio Lower Upper

184 100

63 75.5 57.5 86.3

154 69.5 51.7 77.5





#55

Dibenzenofuran

Concen: 57.179 ng

RT: 10.092 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

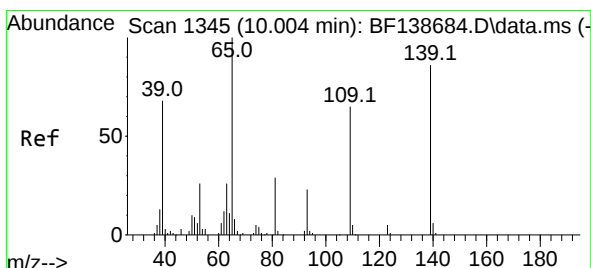
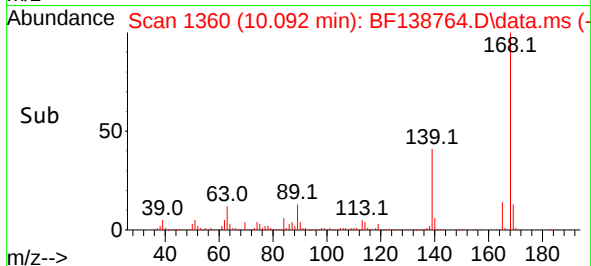
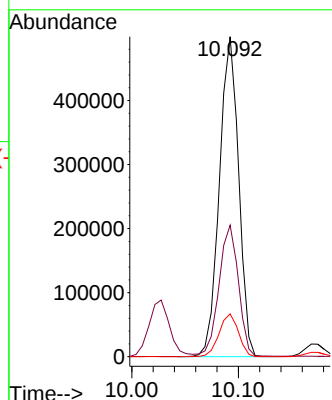
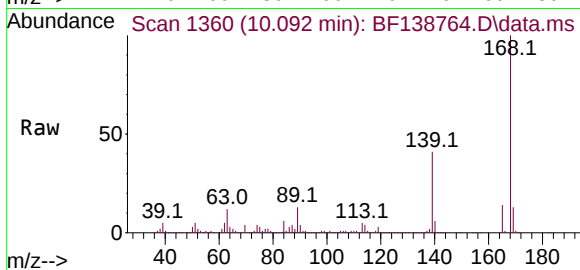
Tgt Ion:168 Resp: 625049

Ion Ratio Lower Upper

168 100

139 41.1 32.6 49.0

169 13.4 10.7 16.1



#56

4-Nitrophenol

Concen: 95.613 ng

RT: 10.027 min Scan# 1349

Delta R.T. 0.023 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

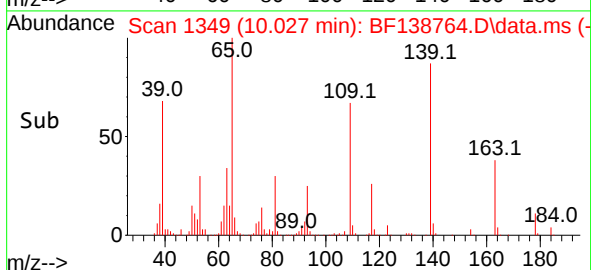
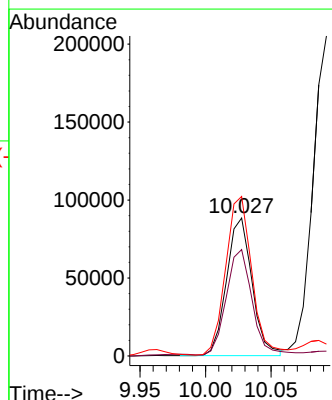
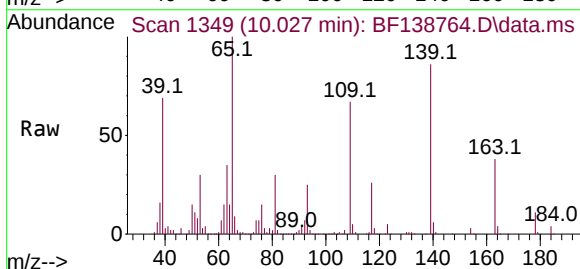
Tgt Ion:139 Resp: 119606

Ion Ratio Lower Upper

139 100

109 77.2 55.5 95.5

65 115.7 96.7 136.7

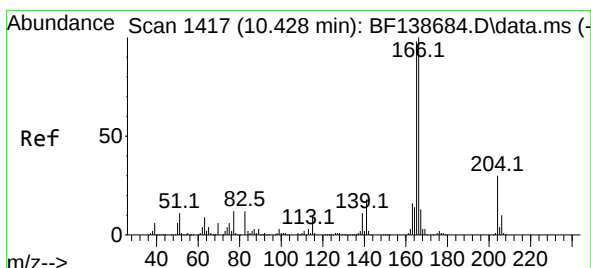
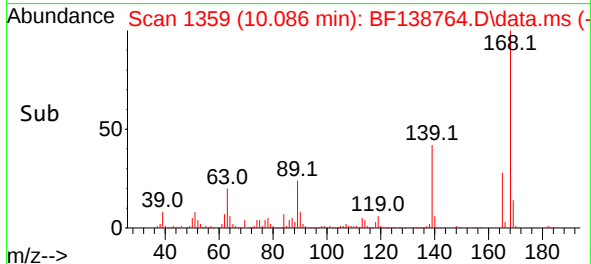
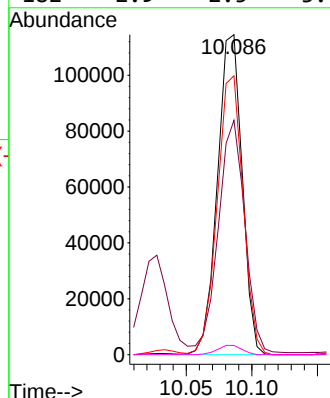
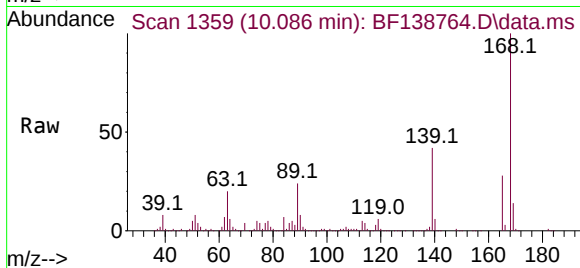




#57
2,4-Dinitrotoluene
Concen: 58.336 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

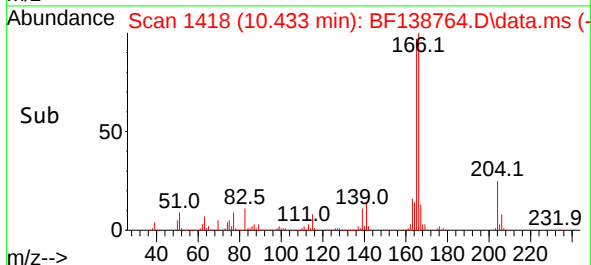
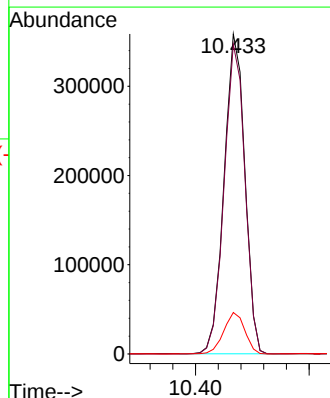
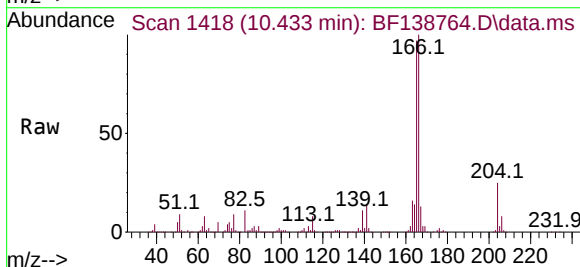
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:165 Resp: 149767
Ion Ratio Lower Upper
165 100
63 73.3 46.3 69.5#
89 87.2 64.2 96.4
182 2.9 2.5 3.7



#58
Fluorene
Concen: 52.291 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:166 Resp: 455197
Ion Ratio Lower Upper
166 100
165 96.8 78.4 117.6
167 13.0 10.6 16.0

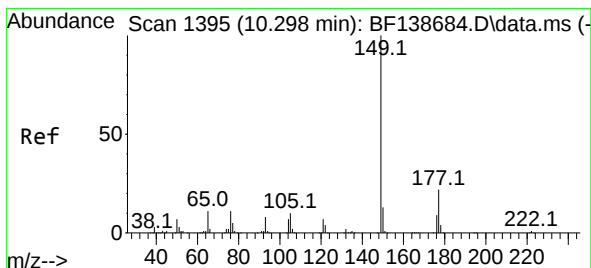
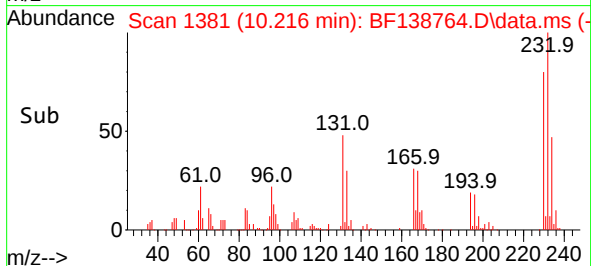
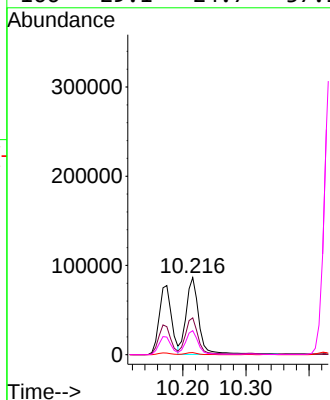
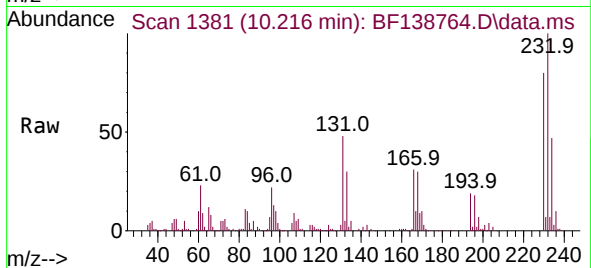




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.813 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.012 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

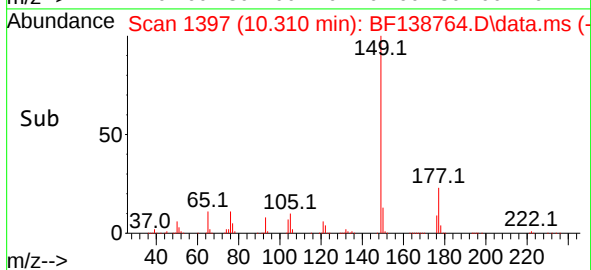
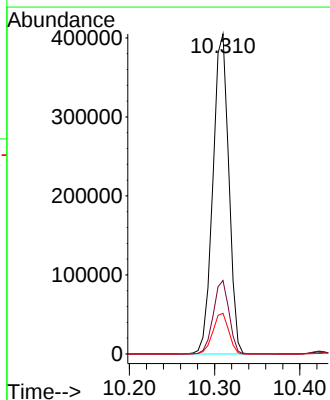
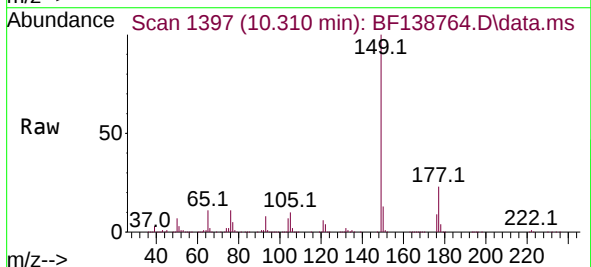
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

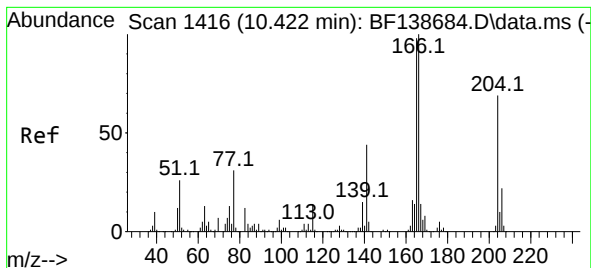
Tgt Ion:232 Resp: 120041
Ion Ratio Lower Upper
232 100
131 47.8 37.0 55.4
130 2.7 2.0 3.0
166 29.1 24.7 37.1



#60
Diethylphthalate
Concen: 62.149 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.012 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:149 Resp: 525418
Ion Ratio Lower Upper
149 100
177 23.0 17.8 26.8
150 12.7 10.1 15.1

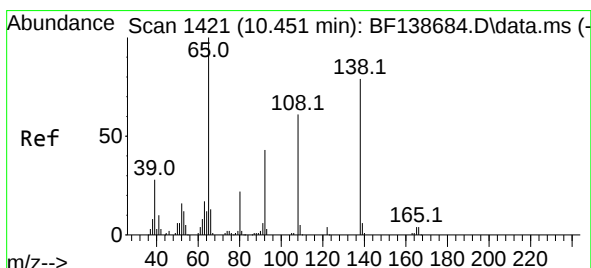
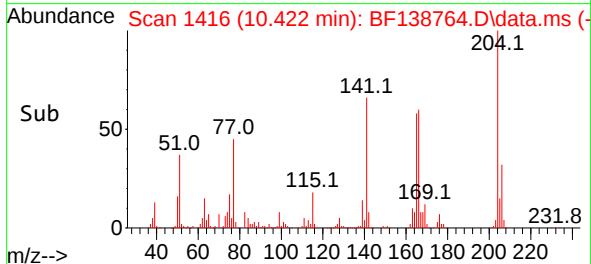
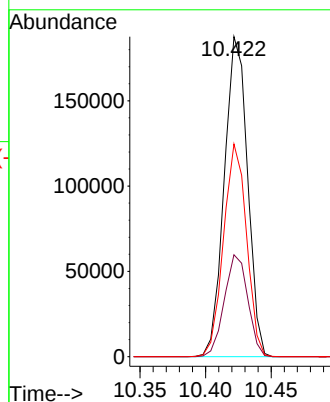
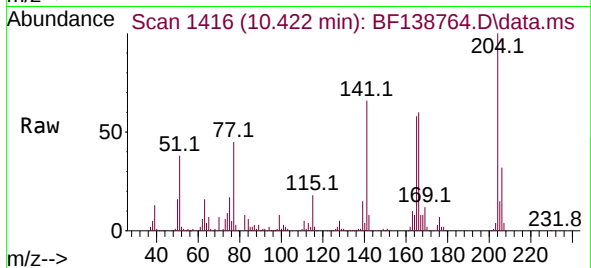




#61
4-Chlorophenyl-phenylether
Concen: 53.983 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

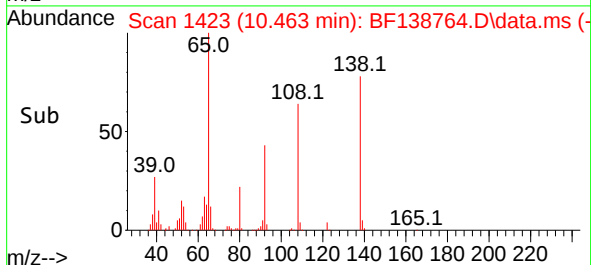
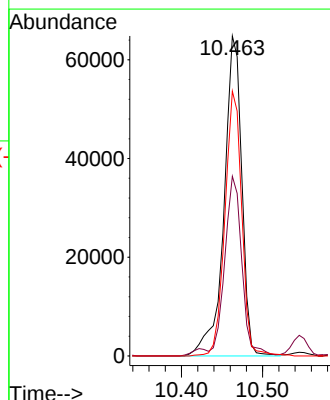
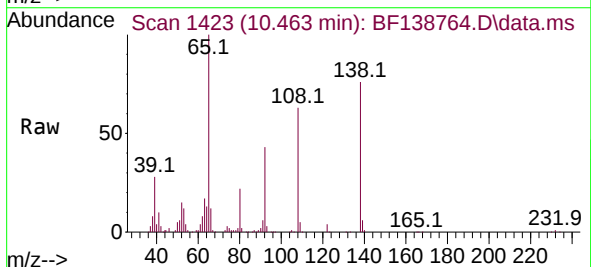
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

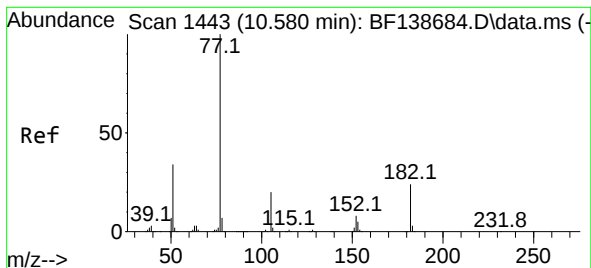
Tgt Ion:204 Resp: 231116
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 66.4 51.4 77.0



#62
4-Nitroaniline
Concen: 50.023 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:138 Resp: 98887
Ion Ratio Lower Upper
138 100
92 56.2 34.2 74.2
108 82.7 56.2 96.2





#63

Azobenzene

Concen: 51.054 ng

RT: 10.586 min Scan# 1444

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

Tgt Ion: 77 Resp: 478713

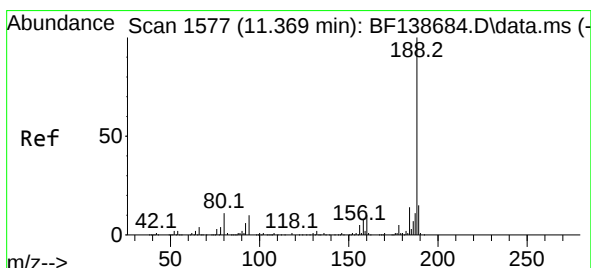
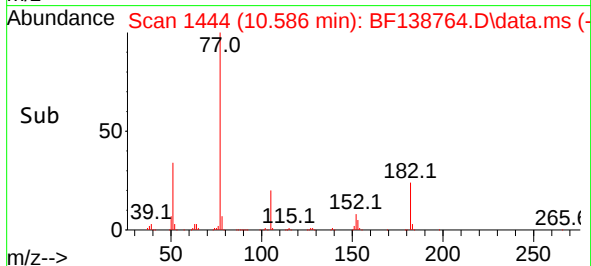
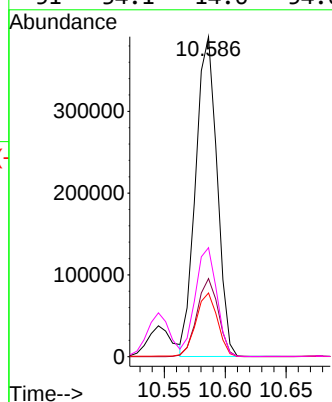
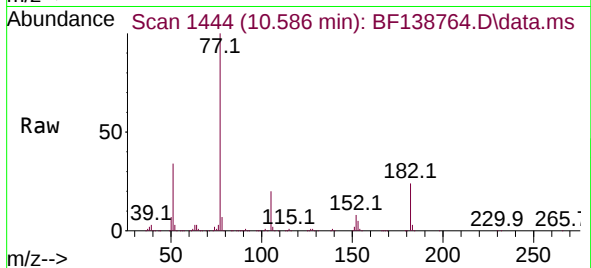
Ion Ratio Lower Upper

77 100

182 24.4 3.4 43.4

105 19.9 0.2 40.2

51 34.1 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: BF138764.D

Acq: 03 Aug 2024 12:03

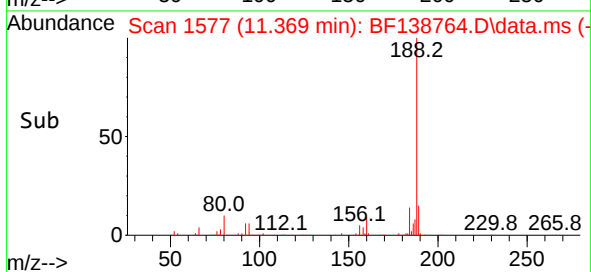
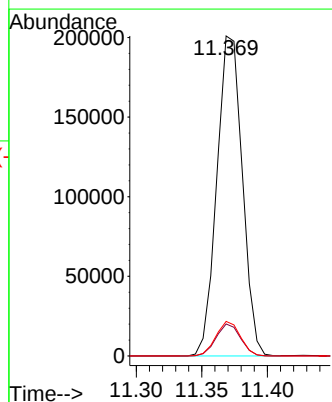
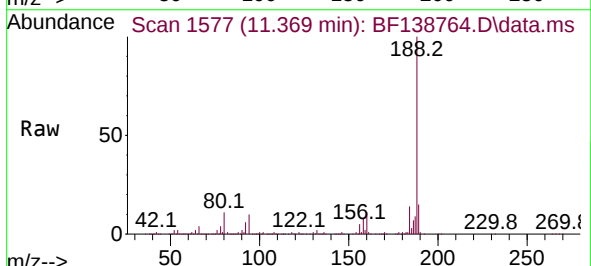
Tgt Ion: 188 Resp: 271345

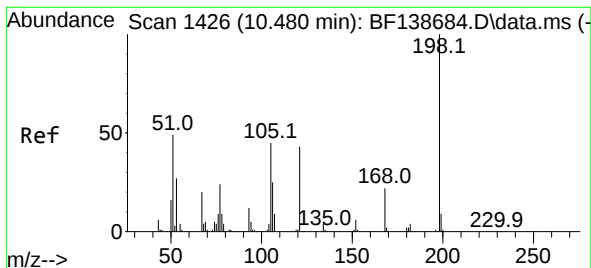
Ion Ratio Lower Upper

188 100

94 10.0 7.6 11.4

80 10.8 8.6 12.8

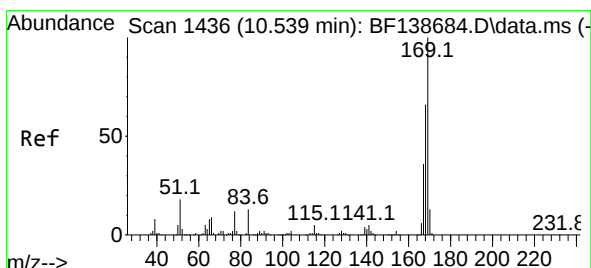
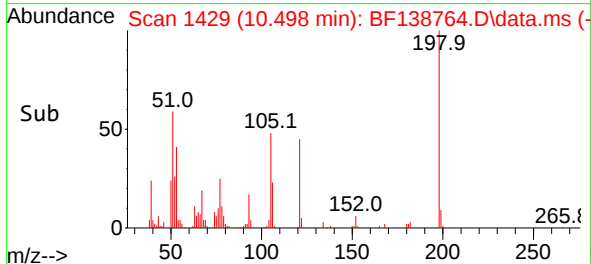
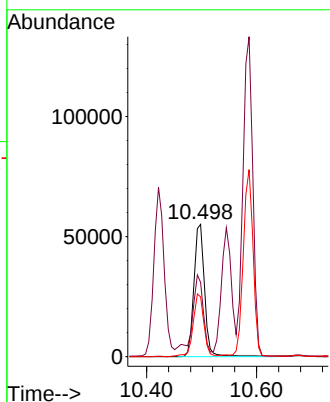
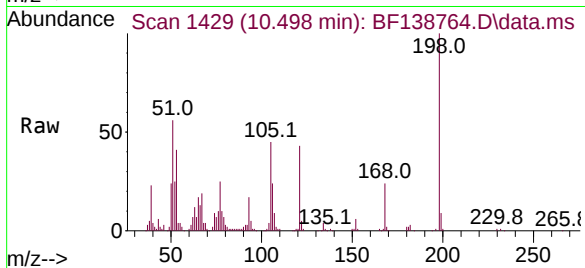




#65
4,6-Dinitro-2-methylphenol
Concen: 44.888 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.018 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

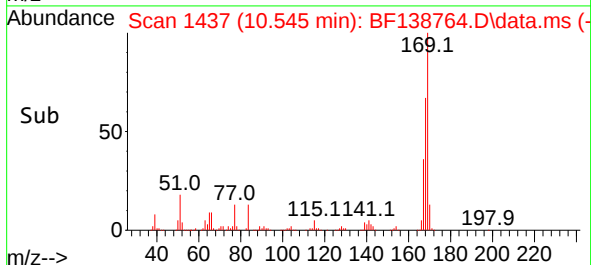
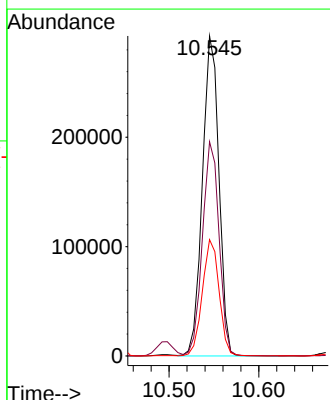
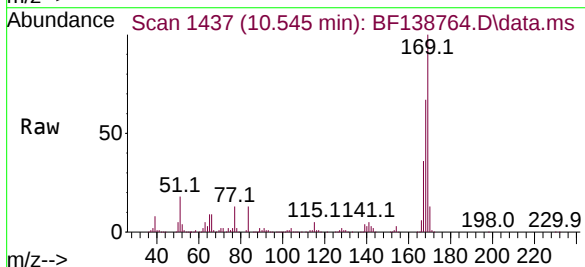
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

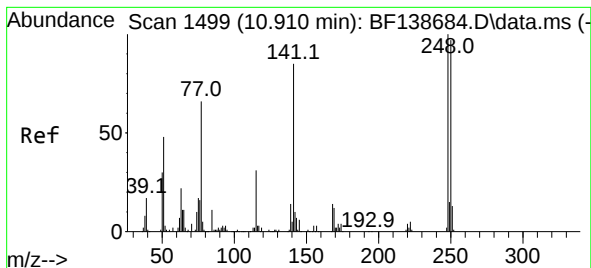
Tgt Ion:198 Resp: 74309
Ion Ratio Lower Upper
198 100
51 56.0 39.9 79.9
105 45.2 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 44.121 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:169 Resp: 374216
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.6
167 36.4 29.0 43.6

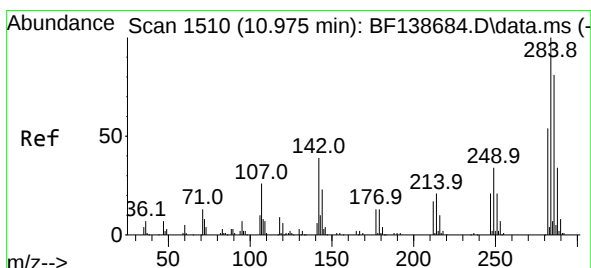
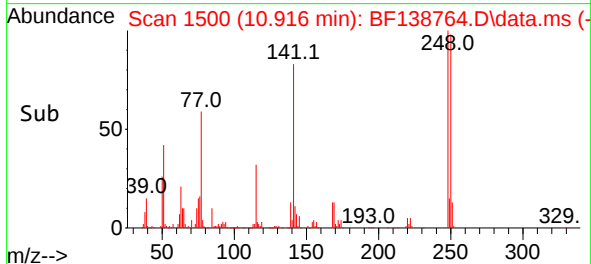
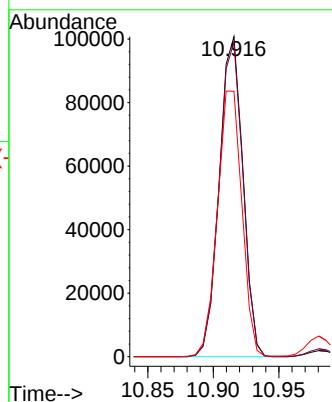
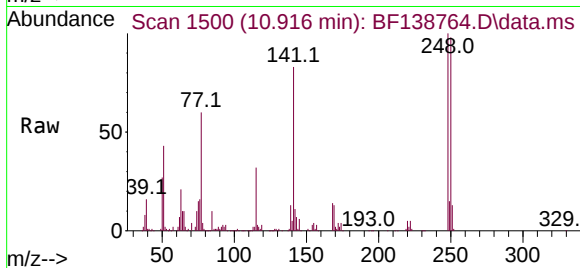




#67
4-Bromophenyl-phenylether
Concen: 43.099 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

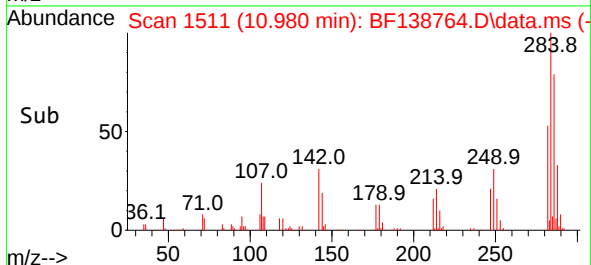
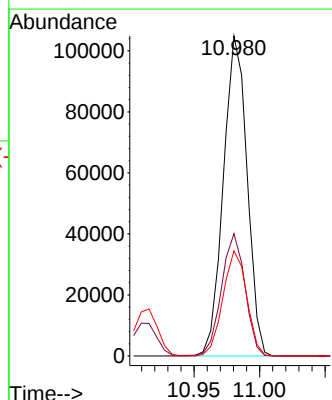
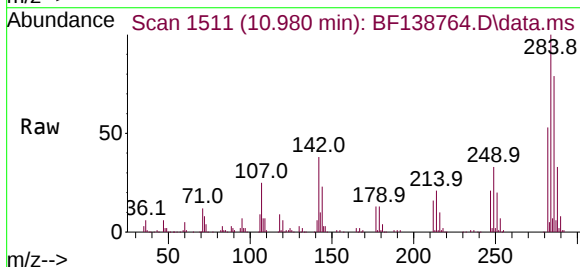
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

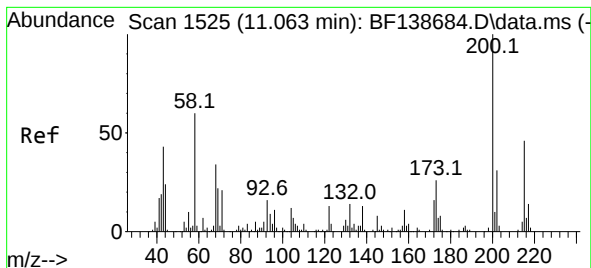
Tgt Ion:248 Resp: 126618
Ion Ratio Lower Upper
248 100
250 98.3 77.7 116.5
141 83.0 68.0 102.0



#68
Hexachlorobenzene
Concen: 43.418 ng
RT: 10.980 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:284 Resp: 131701
Ion Ratio Lower Upper
284 100
142 38.2 31.3 46.9
249 32.9 27.2 40.8





#69

Atrazine

Concen: 54.091 ng

RT: 11.074 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

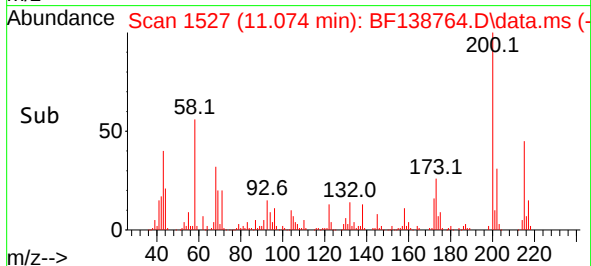
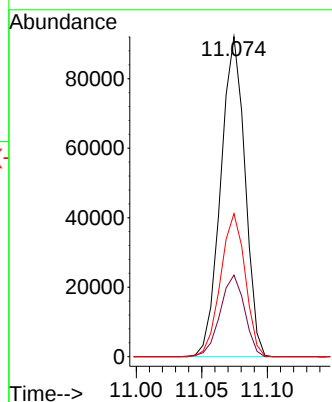
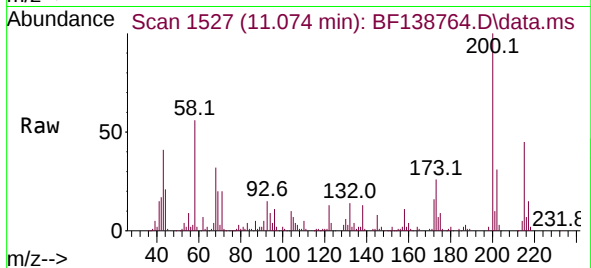
Tgt Ion:200 Resp: 118366

Ion Ratio Lower Upper

200 100

173 25.5 6.0 46.0

215 44.7 26.1 66.1



#70

Pentachlorophenol

Concen: 85.007 ng

RT: 11.180 min Scan# 1545

Delta R.T. 0.005 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

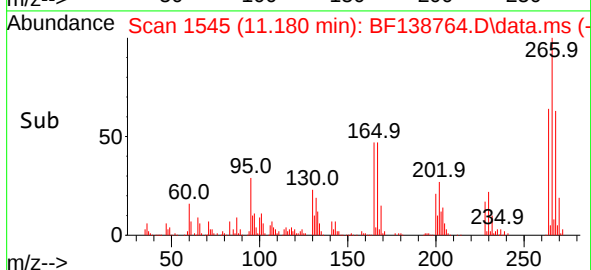
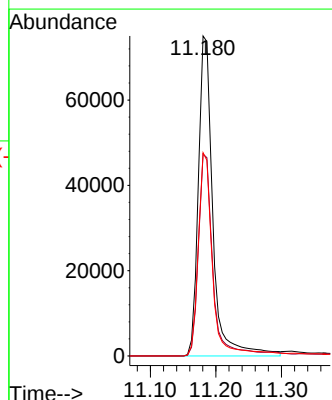
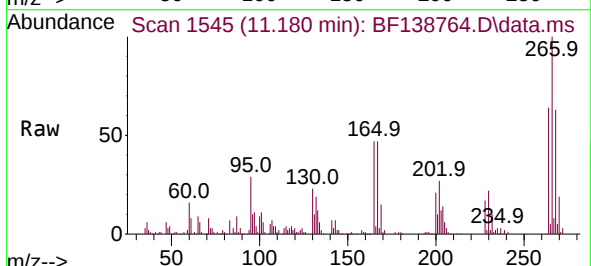
Tgt Ion:266 Resp: 116225

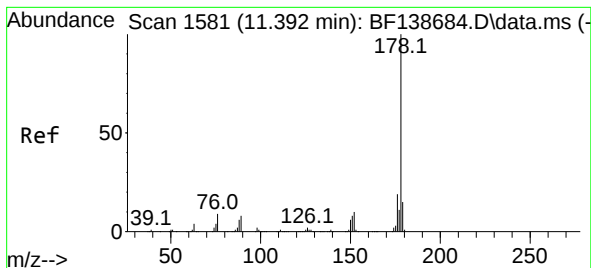
Ion Ratio Lower Upper

266 100

268 63.1 49.2 73.8

264 63.5 49.8 74.6





#71

Phenanthrene

Concen: 50.291 ng

RT: 11.398 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

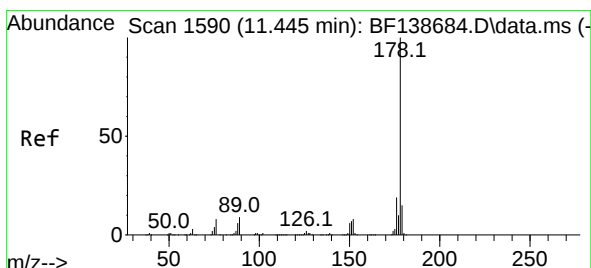
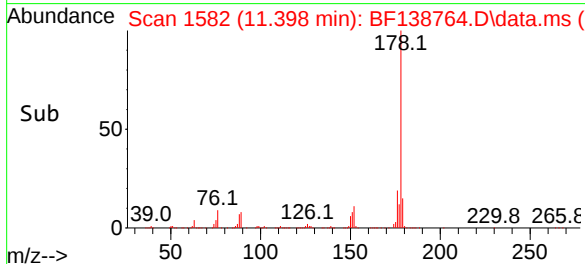
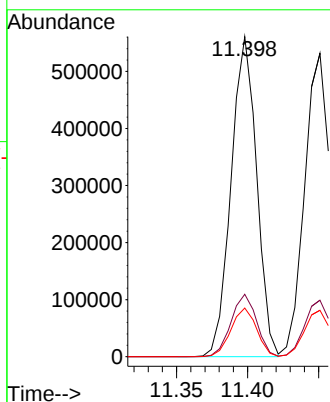
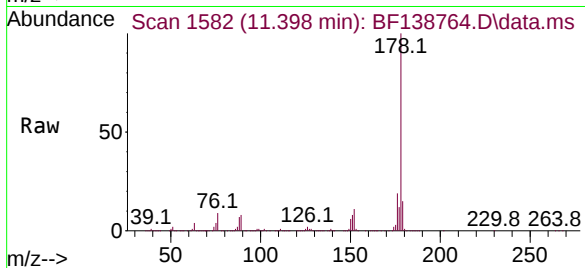
Tgt Ion:178 Resp: 702674

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.2 12.2 18.2



#72

Anthracene

Concen: 48.670 ng

RT: 11.451 min Scan# 1591

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

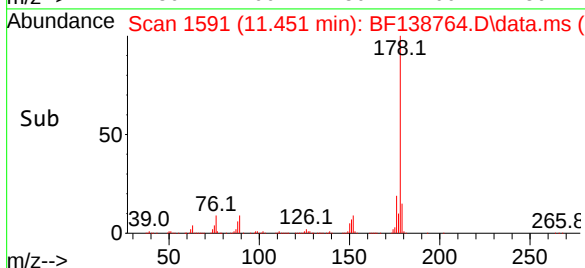
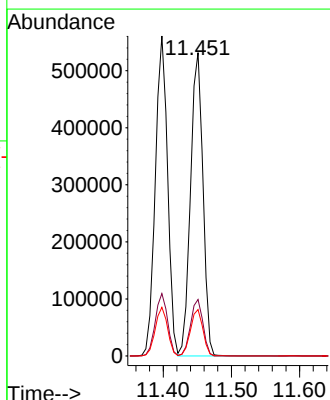
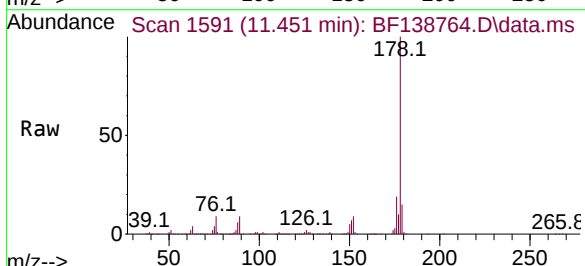
Tgt Ion:178 Resp: 669921

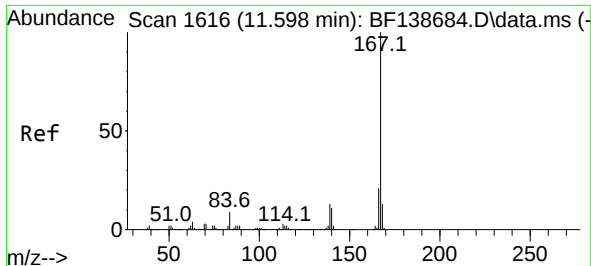
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.3 12.4 18.6

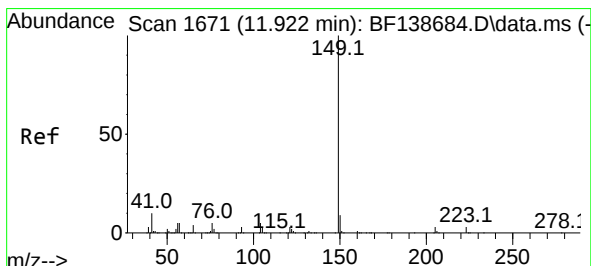
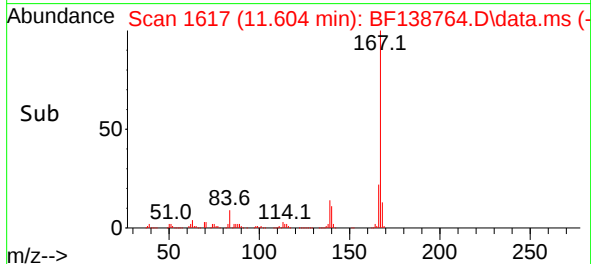
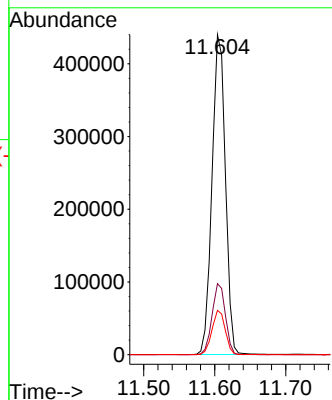
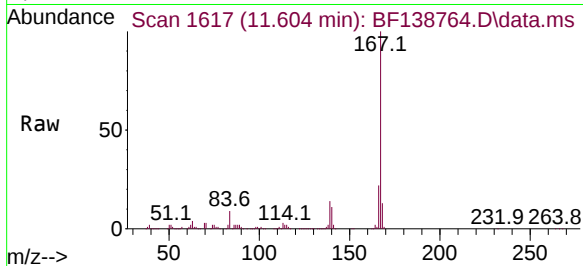




#73
Carbazole
Concen: 48.576 ng
RT: 11.604 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

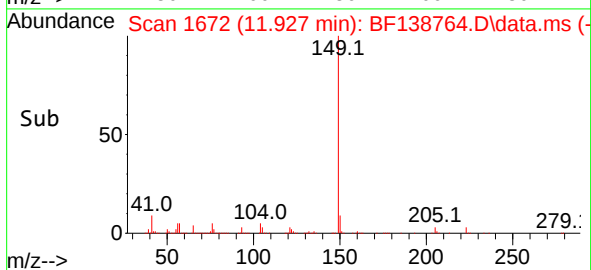
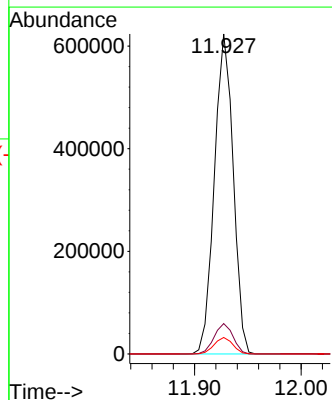
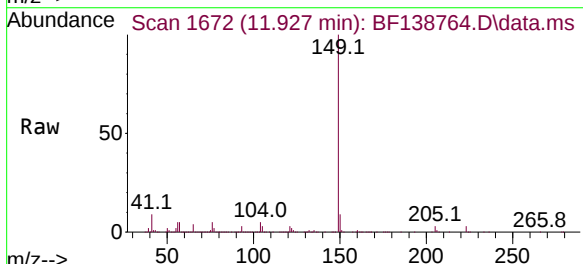
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

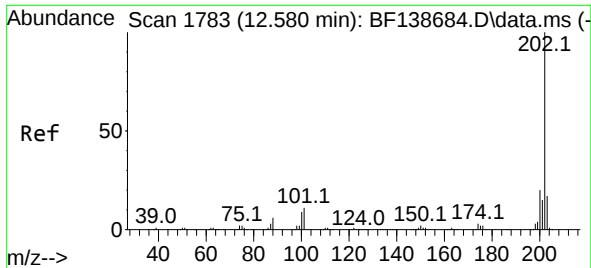
Tgt Ion:167 Resp: 576851
Ion Ratio Lower Upper
167 100
166 22.2 17.2 25.8
139 13.9 10.6 16.0



#74
Di-n-butylphthalate
Concen: 57.225 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:149 Resp: 763940
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 5.2 4.1 6.1

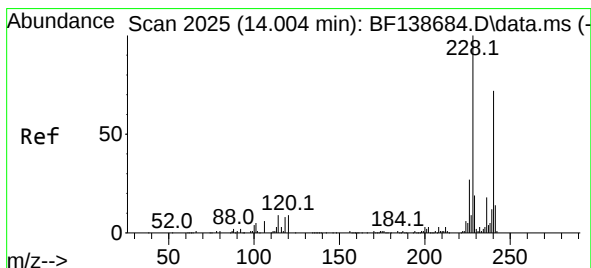
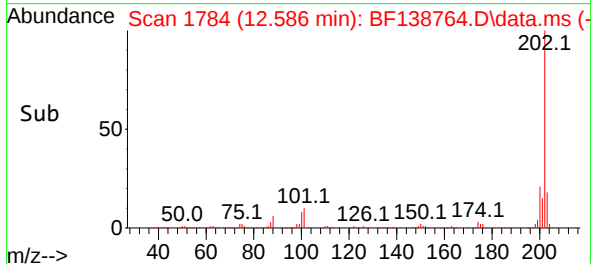
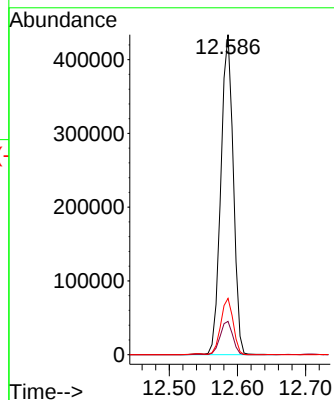
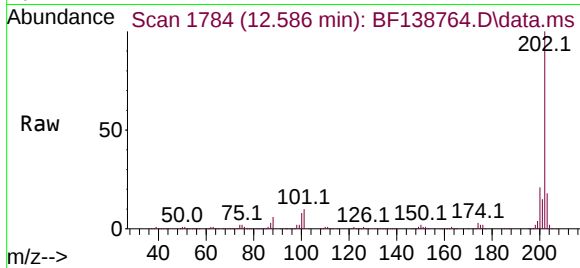




#75
Fluoranthene
Concen: 42.340 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

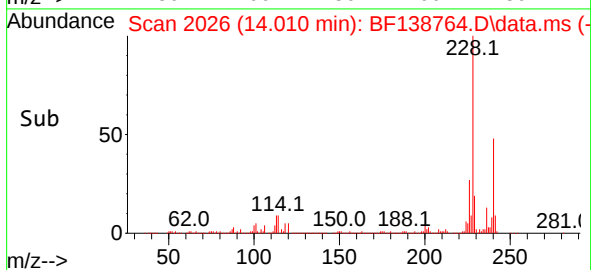
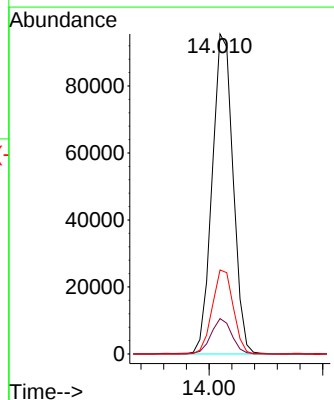
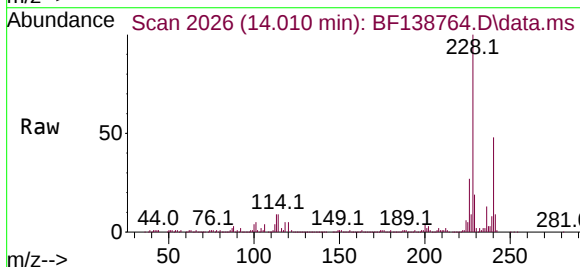
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

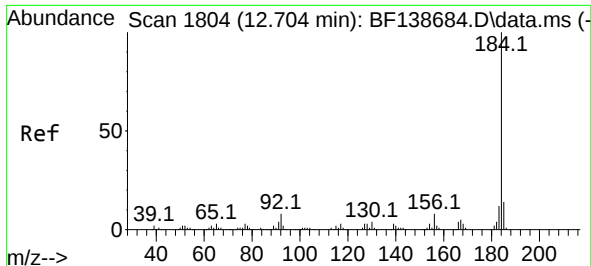
Tgt Ion:202 Resp: 552273
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.2
203 17.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:240 Resp: 121785
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.4
236 26.2 19.8 29.8

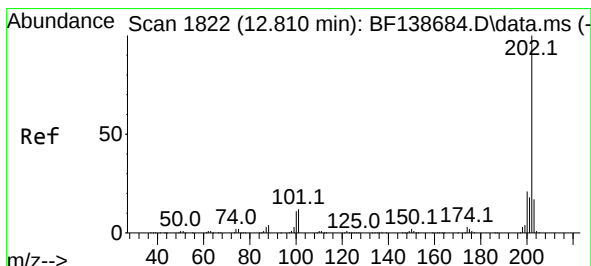
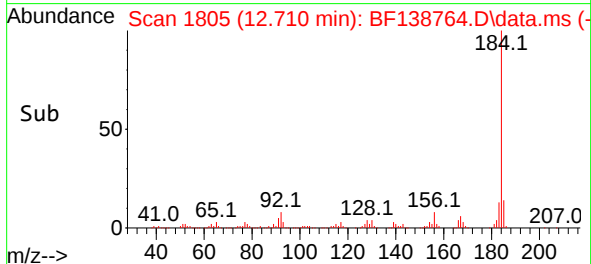
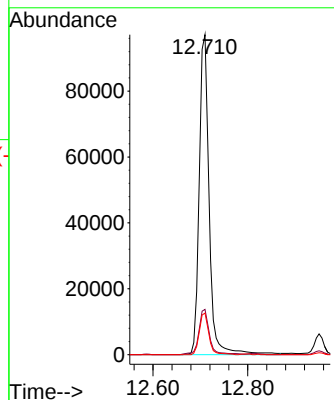
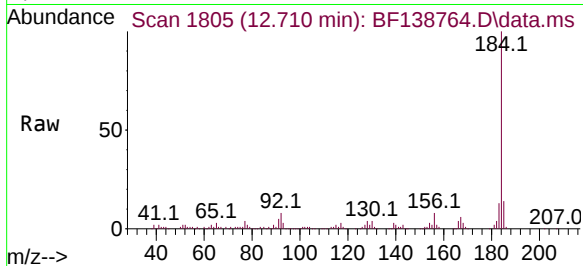




#77
Benzidine
Concen: 48.605 ng
RT: 12.710 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

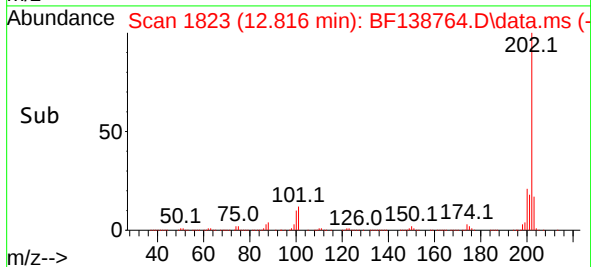
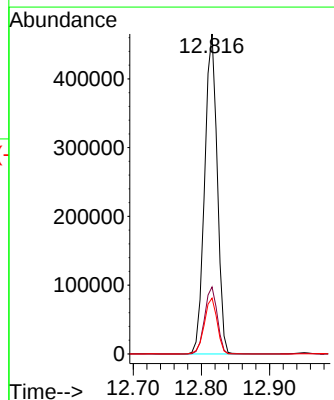
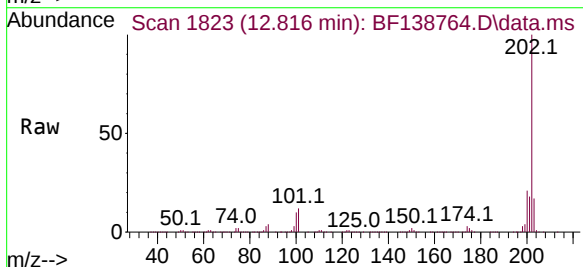
Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:184 Resp: 141582
Ion Ratio Lower Upper
184 100
185 14.2 11.1 16.7
183 13.0 9.6 14.4



#78
Pyrene
Concen: 52.030 ng
RT: 12.816 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:202 Resp: 596596
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 81.306 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138764.D

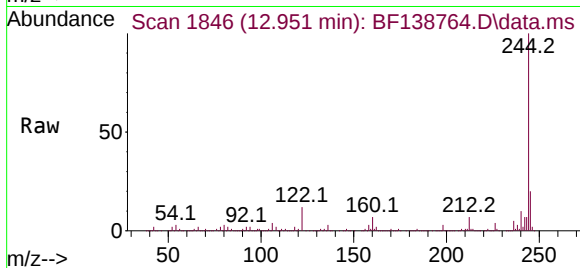
Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD



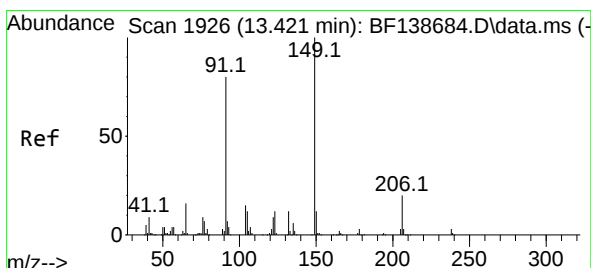
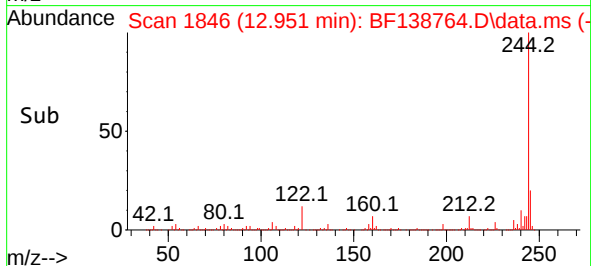
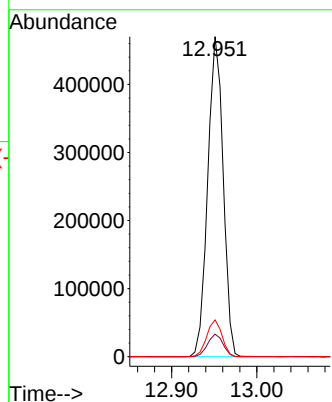
Tgt Ion:244 Resp: 591416

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 62.288 ng

RT: 13.427 min Scan# 1927

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

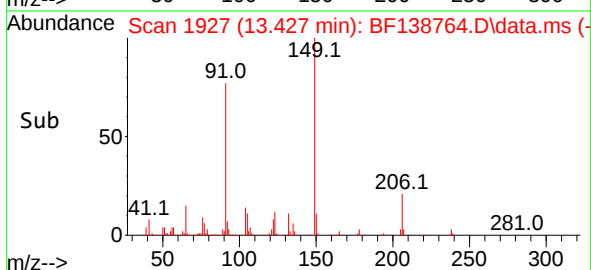
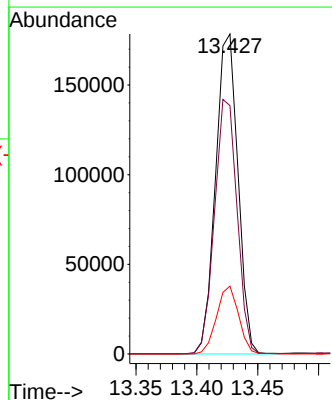
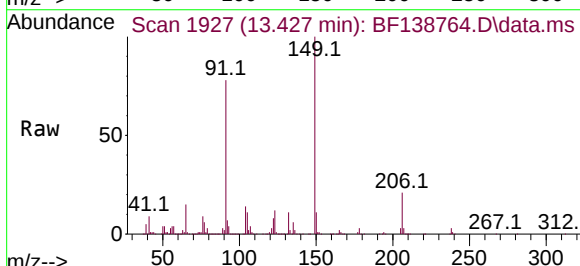
Tgt Ion:149 Resp: 228715

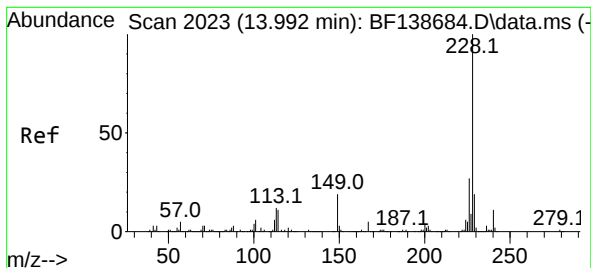
Ion Ratio Lower Upper

149 100

91 77.6 63.7 95.5

206 21.2 16.2 24.2





#81

Benzo(a)anthracene

Concen: 51.736 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

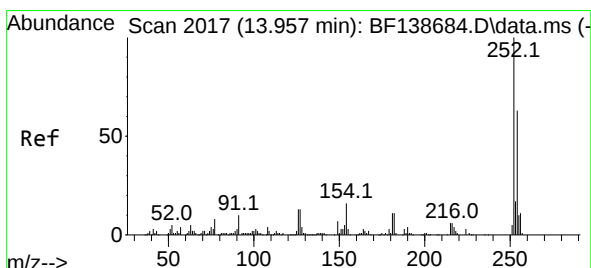
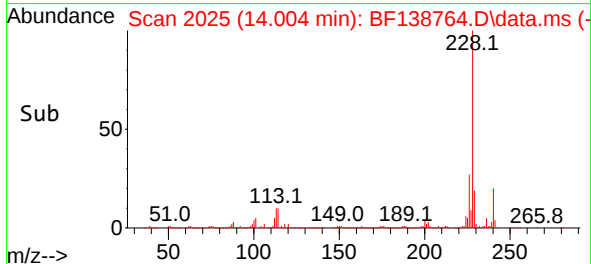
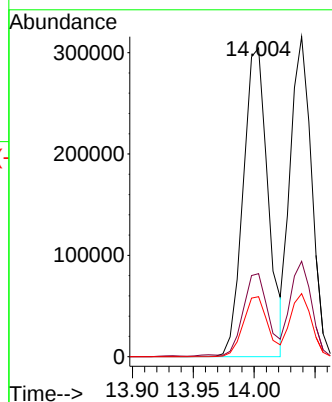
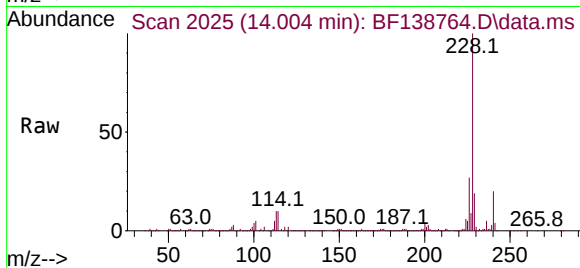
Tgt Ion:228 Resp: 433877

Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

229 19.4 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 54.394 ng

RT: 13.963 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

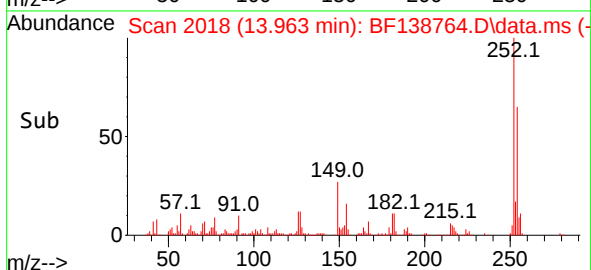
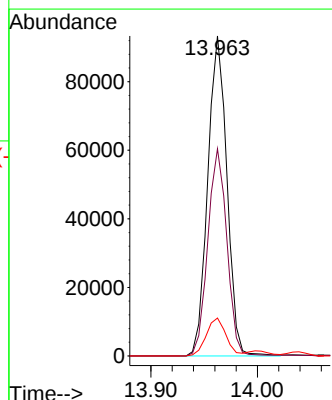
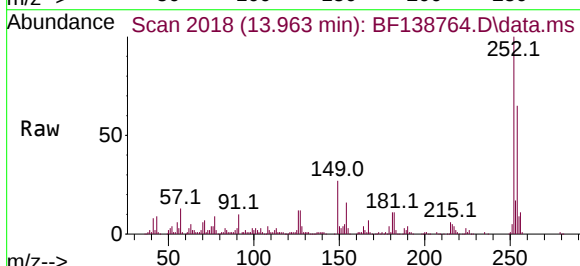
Tgt Ion:252 Resp: 116736

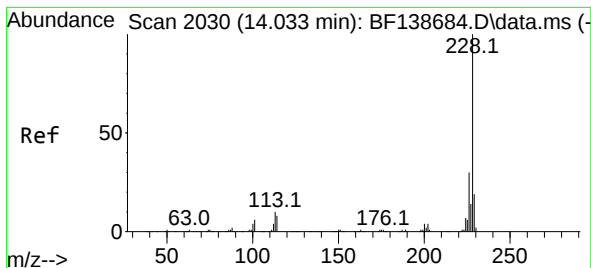
Ion Ratio Lower Upper

252 100

254 64.7 50.8 76.2

126 11.8 10.2 15.2





#83

Chrysene

Concen: 50.293 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

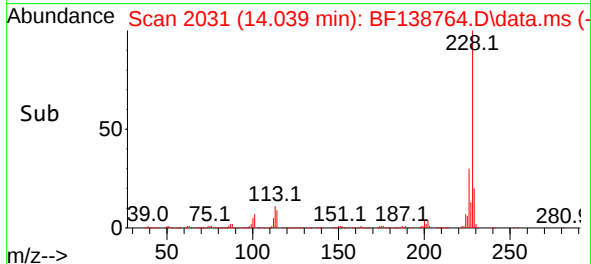
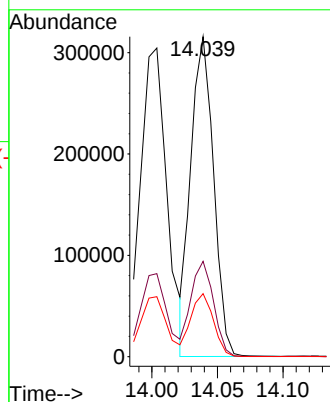
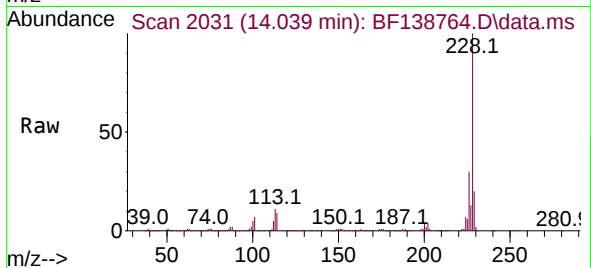
Tgt Ion:228 Resp: 380524

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 19.7 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.165 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

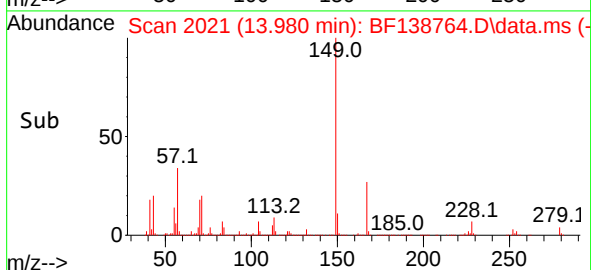
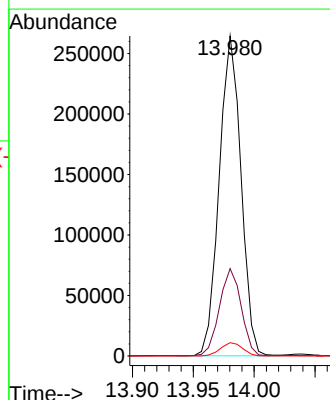
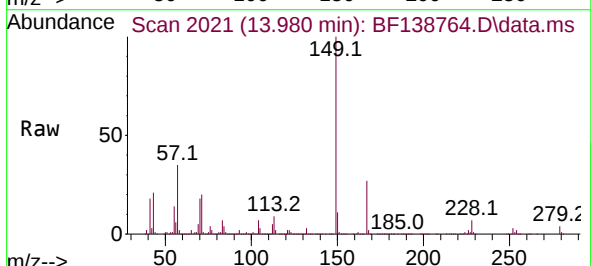
Tgt Ion:149 Resp: 328874

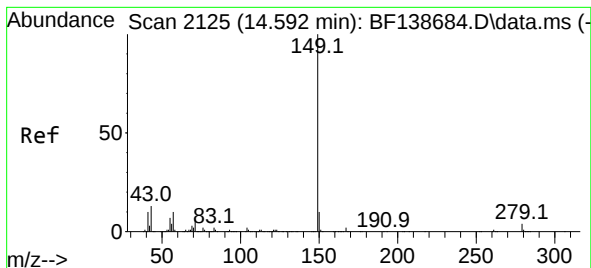
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

279 4.2 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 47.142 ng

RT: 14.592 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

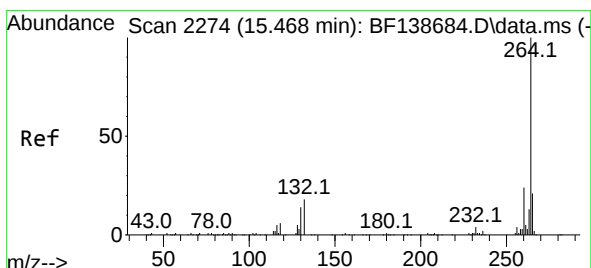
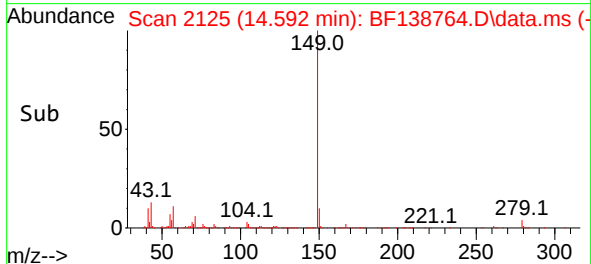
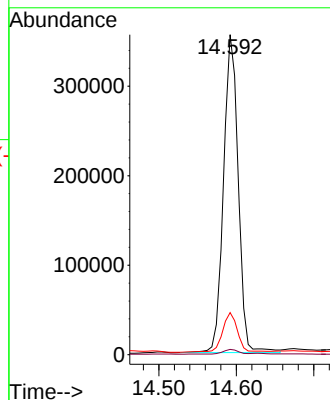
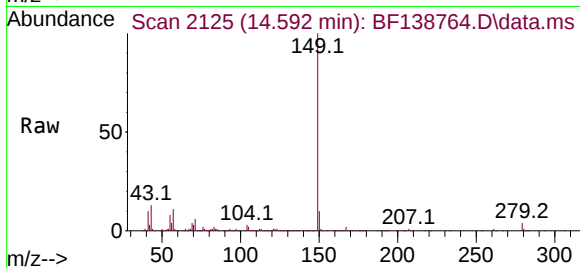
Tgt Ion:149 Resp: 468966

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 12.8 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: BF138764.D

Acq: 03 Aug 2024 12:03

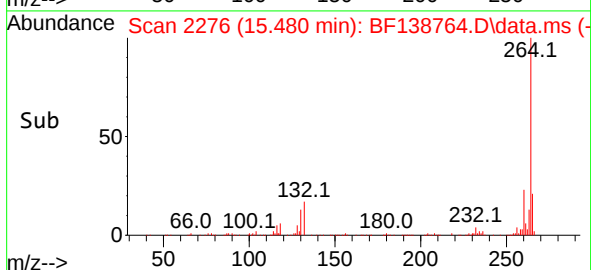
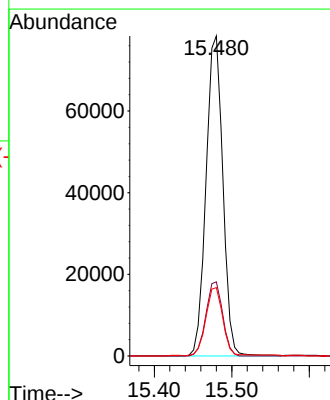
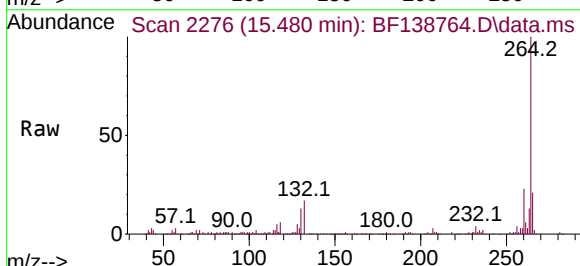
Tgt Ion:264 Resp: 117840

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 21.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.957 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

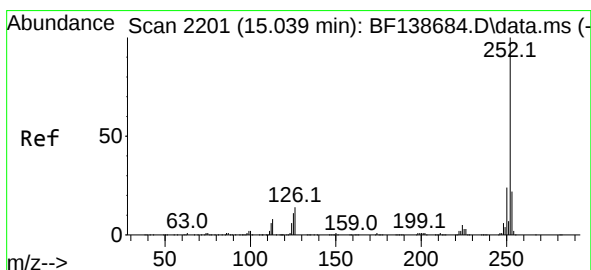
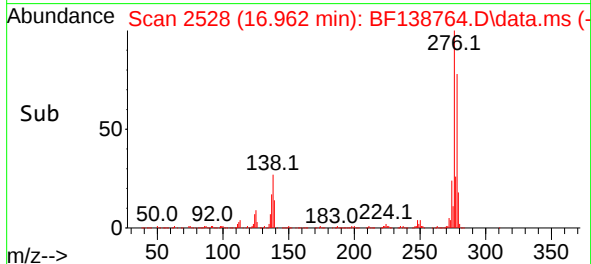
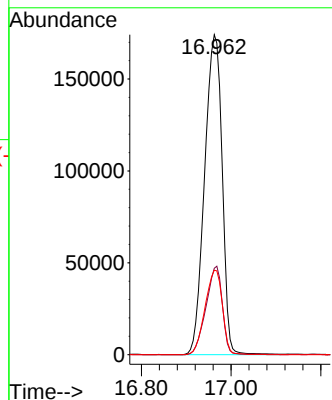
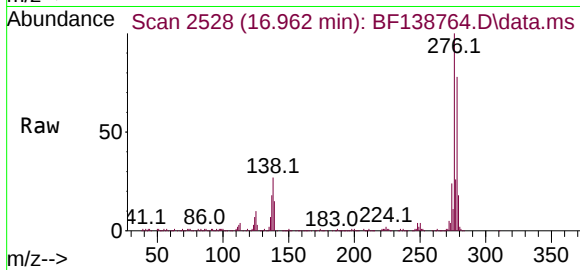
Tgt Ion:276 Resp: 472547

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.8

277 26.1 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 61.174 ng

RT: 15.051 min Scan# 2203

Delta R.T. 0.012 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

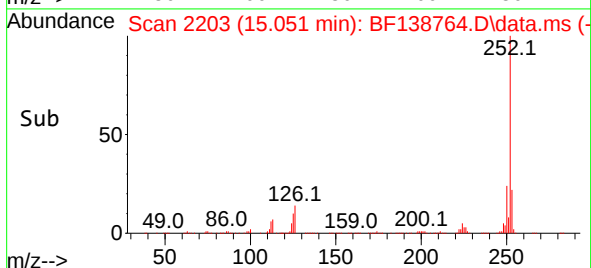
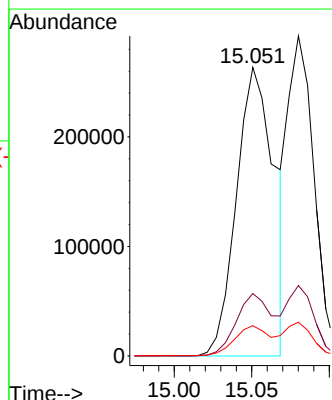
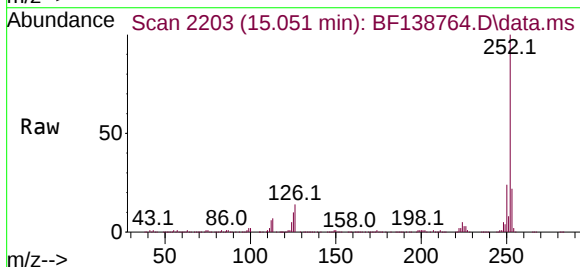
Tgt Ion:252 Resp: 446873

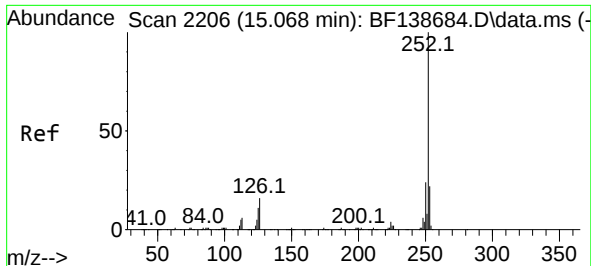
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.5 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 53.742 ng

RT: 15.080 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222MSD

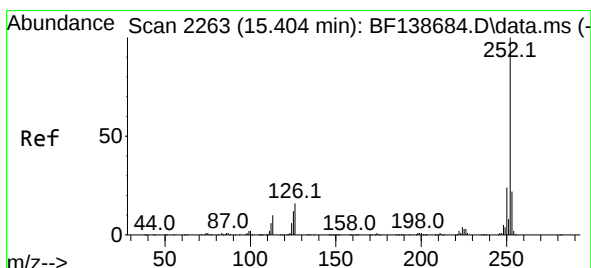
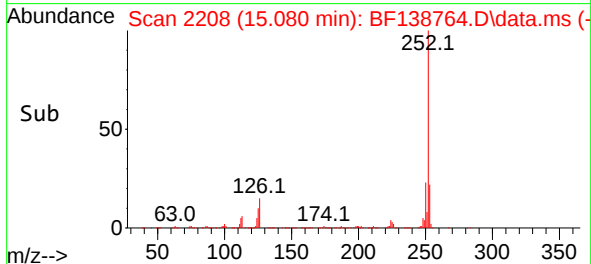
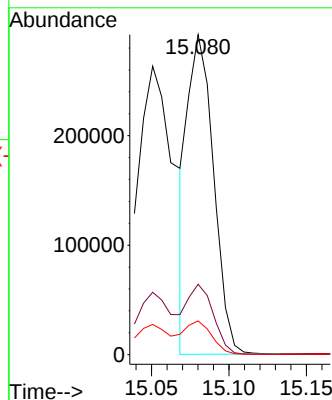
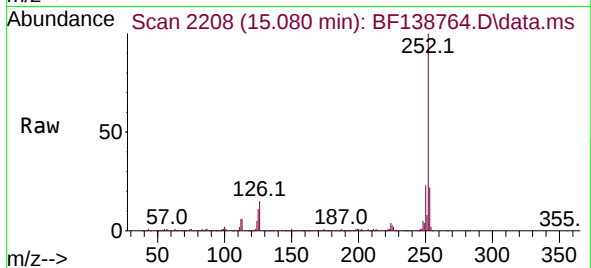
Tgt Ion:252 Resp: 339904

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.6 8.6 13.0



#90

Benzo(a)pyrene

Concen: 52.629 ng

RT: 15.421 min Scan# 2266

Delta R.T. 0.018 min

Lab File: BF138764.D

Acq: 03 Aug 2024 12:03

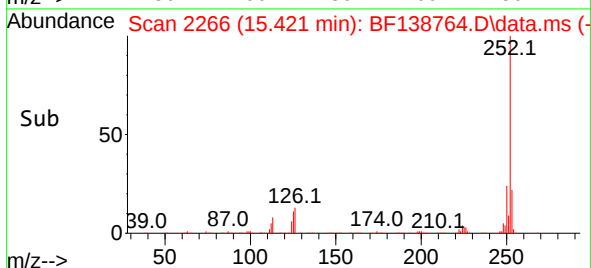
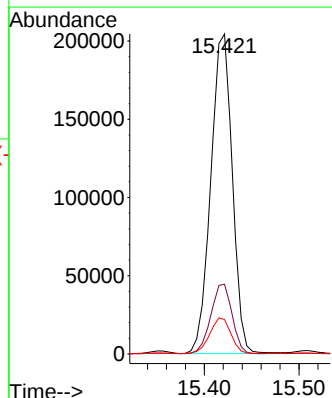
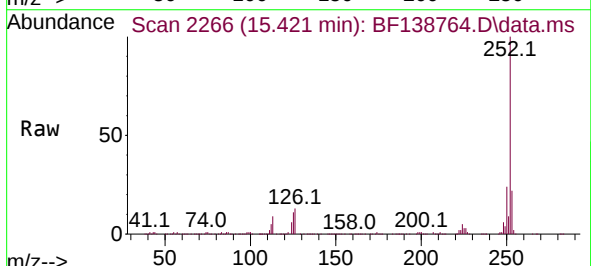
Tgt Ion:252 Resp: 323381

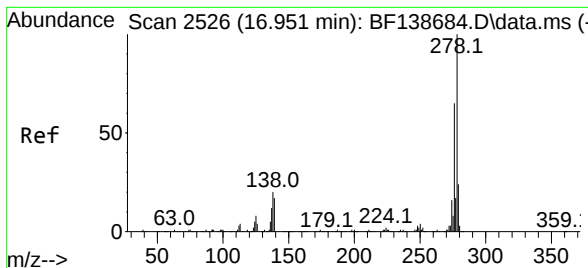
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.7 9.5 14.3

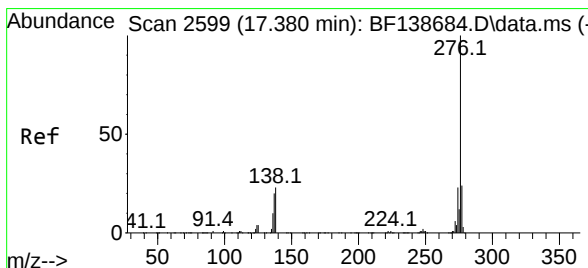
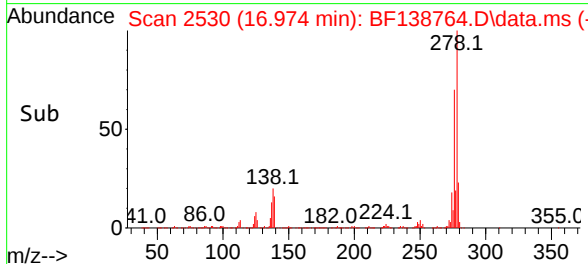
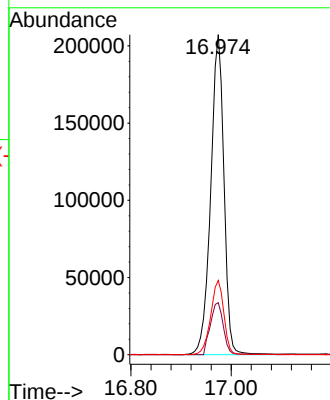
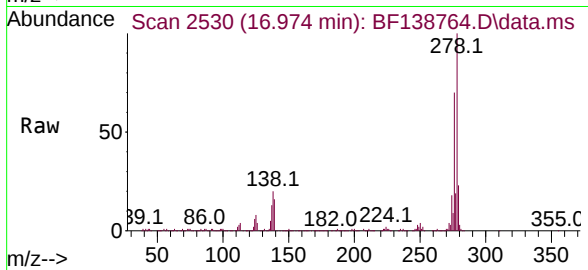




#91
Dibenzo(a,h)anthracene
Concen: 54.815 ng
RT: 16.974 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Instrument :
BNA_F
ClientSampleId :
VNJ-222MSD

Tgt Ion:278 Resp: 379985
Ion Ratio Lower Upper
278 100
139 16.3 14.0 21.0
279 23.2 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 49.532 ng
RT: 17.409 min Scan# 2604
Delta R.T. 0.029 min
Lab File: BF138764.D
Acq: 03 Aug 2024 12:03

Tgt Ion:276 Resp: 356308
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 21.7 18.5 27.7

