

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134272.D
 Acq On : 13 Jul 2023 20:58
 Operator : CG\JU
 Sample : 03564-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MS

Quant Time: Jul 14 01:47:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.84
21) Naphthalene-d8	8.186	136	781	20.000	ng	# 0.06
39) Acenaphthene-d10	9.974	164	285	20.000	ng	# 0.09
64) Phenanthrene-d10	11.492	188	68	20.000	ng	# 0.11
76) Chrysene-d12	14.215	240	2174	20.000	ng	# 0.18
86) Perylene-d12	15.733	264	5482	20.000	ng	# 0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	438126	0.000	ng	0.00
7) Phenol-d6	6.486	99	524057	0.000	ng	0.00
23) Nitrobenzene-d5	7.404	82	343795	23729.059	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	171899	48106.104	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	623532	31808.727	ng	0.00
79) Terphenyl-d14	12.974	244	686974	5085.690	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	7.251	105	308899	17391.084	ng	96
24) Nitrobenzene	7.427	77	242127	16537.759	ng	98
25) Isophorone	7.663	82	419098	15916.207	ng	98
26) 2-Nitrophenol	7.739	139	119087	16955.594	ng	92
27) 2,4-Dimethylphenol	7.780	122	189615	17055.405	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	240257	15757.861	ng	98
29) 2,4-Dichlorophenol	7.986	162	183394	16635.324	ng	97
30) 1,2,4-Trichlorobenzene	8.063	180	194177	17069.939	ng	99
31) Naphthalene	8.145	128	618088	16384.147	ng	100
32) Benzoic acid	7.904	122	117960	14159.555	ng	97
33) 4-Chloroaniline	8.198	127	147796	9158.705	ng	96
34) Hexachlorobutadiene	8.257	225	124199	17308.367	ng	99
35) Caprolactam	8.574	113	53149	14641.905	ng	94
36) 4-Chloro-3-methylphenol	8.680	107	207986	16793.683	ng	95
37) 2-Methylnaphthalene	8.933	142	388024	14545.067	ng	96
38) 1-Methylnaphthalene	8.933	142	388024	15645.843	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	196125	23227.711	ng	98
41) Hexachlorocyclopentadiene	8.986	237	122595	30604.425	ng	98
43) 2,4,6-Trichlorophenol	9.163	196	144371	25117.152	ng	99
44) 2,4,5-Trichlorophenol	9.163	196	144371	21353.087	ng	97
46) 1,1'-Biphenyl	9.304	154	521483	22810.363	ng	97
47) 2-Chloronaphthalene	9.327	162	389094	23261.344	ng	97
48) 2-Nitroaniline	9.427	65	137832	22609.721	ng	97
49) Acenaphthylene	9.745	152	658336	23039.663	ng	99
50) Dimethylphthalate	9.604	163	453076	21900.195	ng	100
51) 2,6-Dinitrotoluene	9.668	165	101962	22882.506	ng	# 84
52) Acenaphthene	9.916	154	420932	25387.597	ng	99
53) 3-Nitroaniline	9.839	138	97933	18320.258	ng	95
54) 2,4-Dinitrophenol	9.957	184	94125	34814.550	ng	98
55) Dibenzofuran	10.092	168	610043	23542.630	ng	99
56) 4-Nitrophenol	10.016	139	162963	43582.510	ng	94
57) 2,4-Dinitrotoluene	10.080	165	136256	23154.688	ng	92
58) Fluorene	10.433	166	529714	26276.201	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	121750	22828.812	ng	99
60) Diethylphthalate	10.310	149	477227	22141.066	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	218823	22523.852	ng	97

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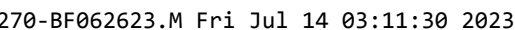
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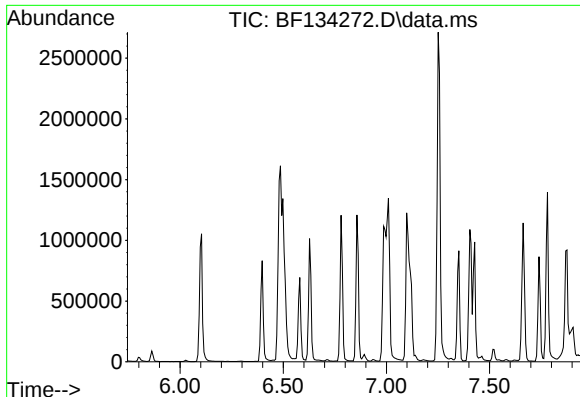
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

62) 4-Nitroaniline	10.463	138	108118	20069.198	ng	95
63) Azobenzene	10.586	77	490197	24043.094	ng	98
65) 4,6-Dinitro-2-methylph...	10.492	198	63529	171361.149	ng	89
66) n-Nitrosodiphenylamine	10.545	169	403274	185616.250	ng	98
67) 4-Bromophenyl-phenylether	10.915	248	135800	187890.593	ng	93
68) Hexachlorobenzene	10.986	284	155802	203026.084	ng	93
69) Atrazine	11.080	200	133541	222211.638	ng	96
70) Pentachlorophenol	11.186	266	148923	324563.060	ng	99
71) Phenanthrene	11.457	178	826583	241462.525	ng	99
72) Anthracene	11.457	178	826583	232150.024	ng	100
73) Carbazole	11.615	167	680293	208742.824	ng	99
74) Di-n-butylphthalate	11.939	149	751858	193999.609	ng	99
75) Fluoranthene	12.839	202	1589850	429592.662	ng	100
77) Benzidine	12.727	184	72061	1393.051	ng	99
78) Pyrene	12.839	202	1589850	7858.087	ng	100
80) Butylbenzylphthalate	13.451	149	265494	3498.880	ng	99
81) Benzo(a)anthracene	14.074	228	1090769	7234.609	ng	96
82) 3,3'-Dichlorobenzidine	13.998	252	174598	3655.177	ng	98
83) Chrysene	14.074	228	1090769	7469.413	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	352130	4038.648	ng	99
85) Di-n-octyl phthalate	14.803	149	39352	307.164	ng	# 48
87) Indeno(1,2,3-cd)pyrene	17.109	276	674328	1772.699	ng	96
88) Benzo(b)fluoranthene	15.215	252	90242	279.954	ng	94
89) Benzo(k)fluoranthene	15.215	252	90242	274.962	ng	94
90) Benzo(a)pyrene	15.492	252	871865	2797.085	ng	98
91) Dibenzo(a,h)anthracene	17.344	278	46484	149.609	ng	96
92) Benzo(g,h,i)perylene	17.815	276	21775	67.960	ng	# 87

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

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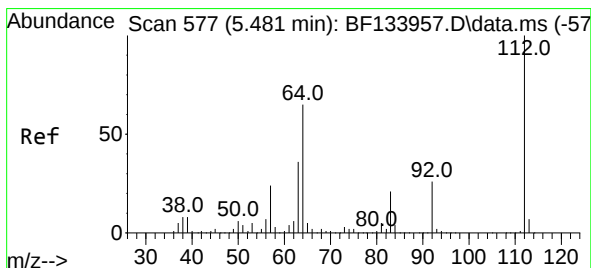
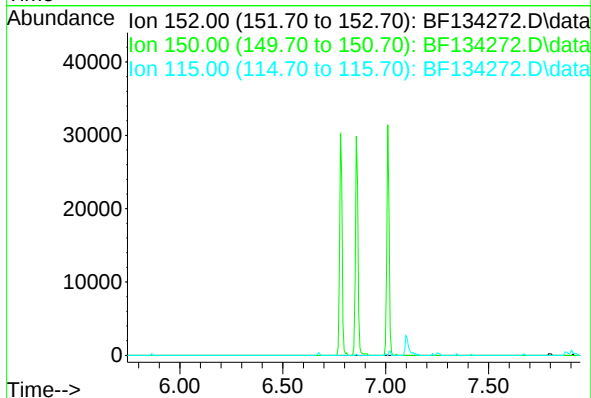




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF134272.D
 Acq: 13 Jul 2023 20:58

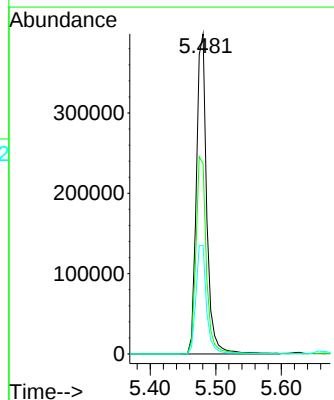
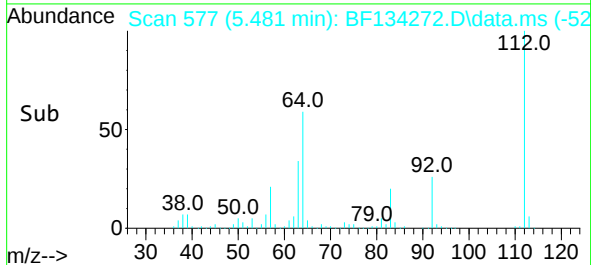
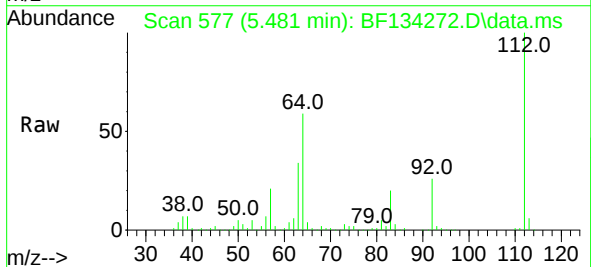
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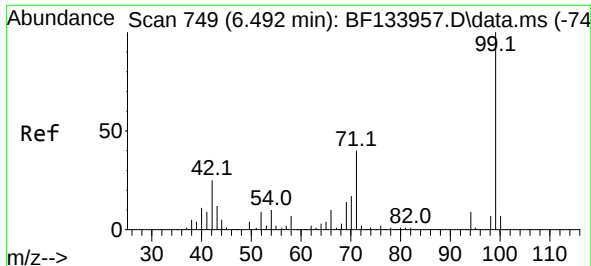
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 155.6
 115 62.7



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.481 min Scan# 577
 Delta R.T. 0.006 min
 Lab File: BF134272.D
 Acq: 13 Jul 2023 20:58

Tgt Ion: 112 Resp: 438126
 Ion Ratio Lower Upper
 112 100
 64 59.4 52.1 78.1
 63 34.0 28.6 42.8

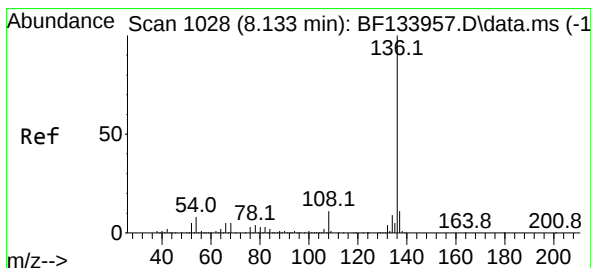
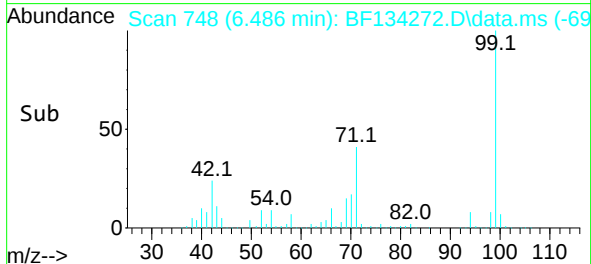
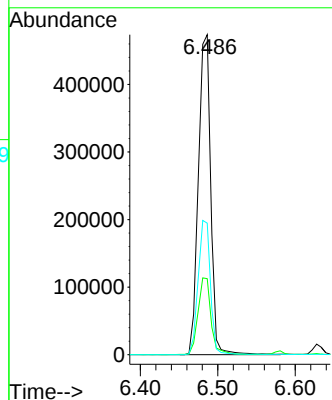
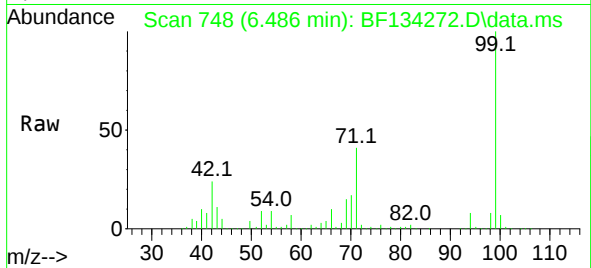




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

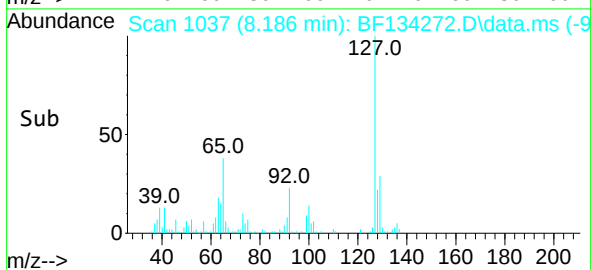
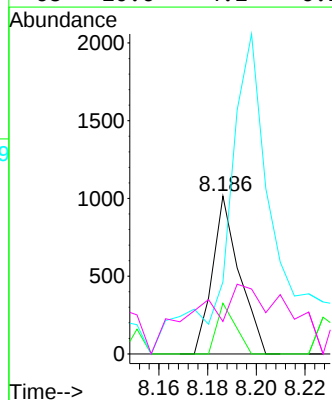
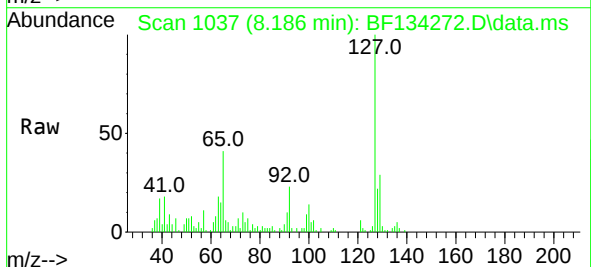
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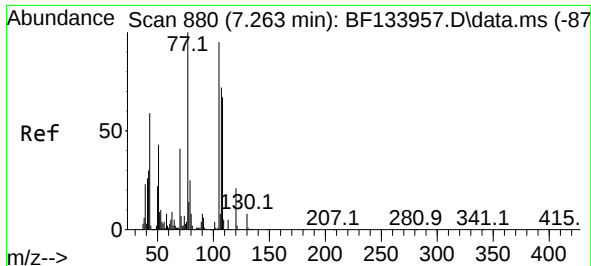
Tgt Ion: 99 Resp: 524057
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.6
71 41.1 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.059 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion: 136 Resp: 781
Ion Ratio Lower Upper
136 100
137 32.1 8.6 12.8#
54 45.6 6.5 9.7#
68 20.6 4.2 6.2#

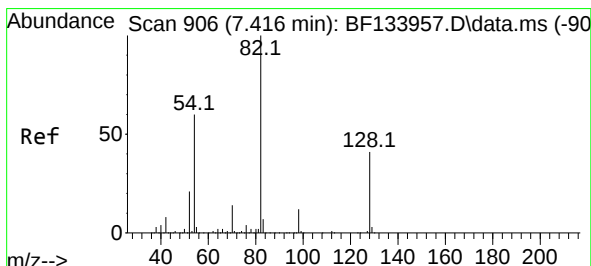
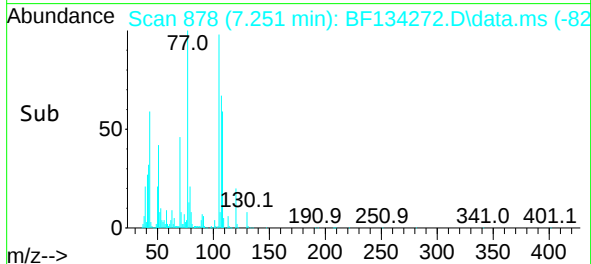
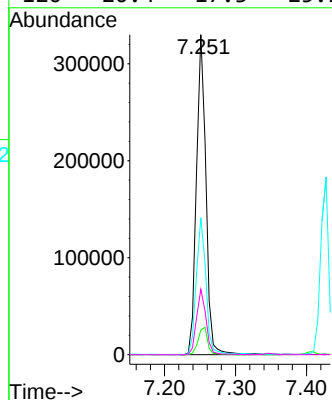
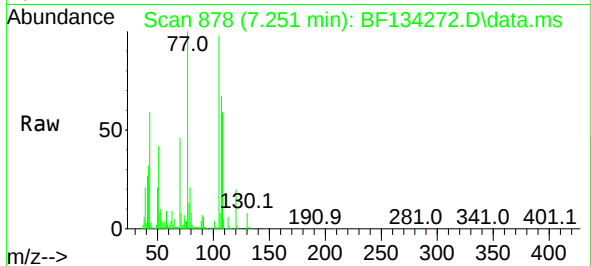




#22
Acetophenone
Concen: 17391.084 ng
RT: 7.251 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

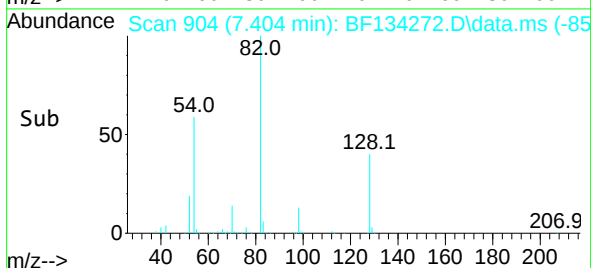
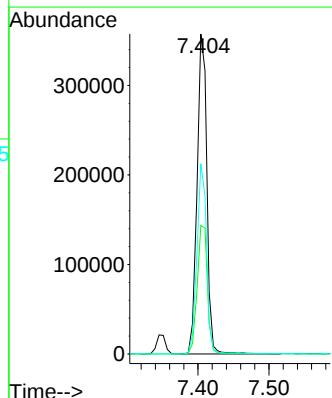
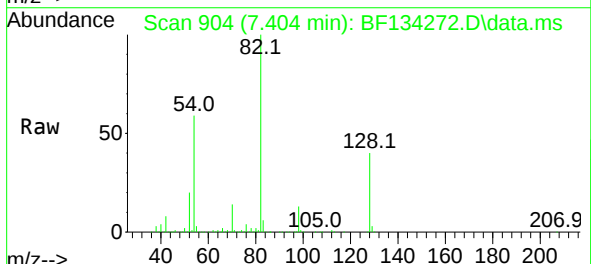
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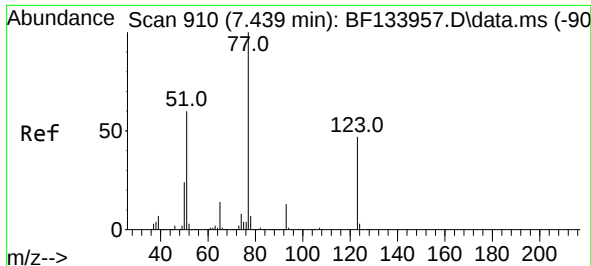
Tgt Ion:105 Resp: 308899
Ion Ratio Lower Upper
105 100
71 7.7 5.5 8.3
51 42.8 36.5 54.7
120 20.4 17.3 25.9



#23
Nitrobenzene-d5
Concen: 23729.059 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion: 82 Resp: 343795
Ion Ratio Lower Upper
82 100
128 40.1 32.5 48.7
54 59.5 48.2 72.2

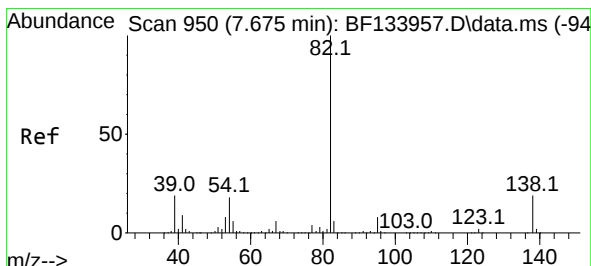
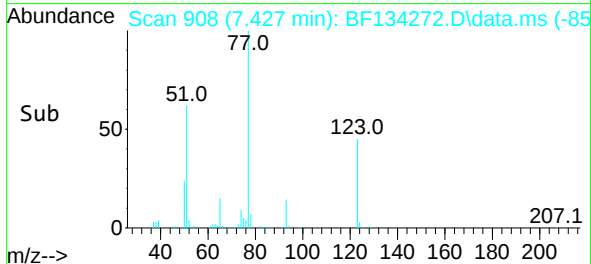
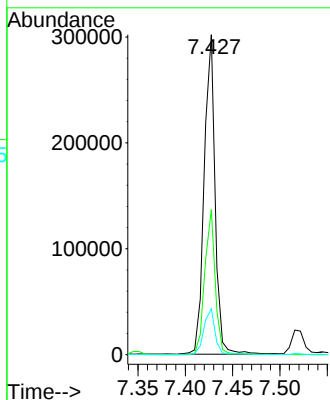
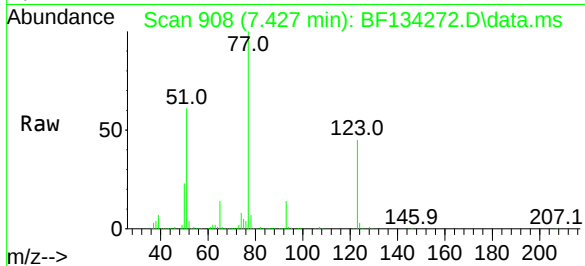




#24
Nitrobenzene
Concen: 16537.759 ng
RT: 7.427 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

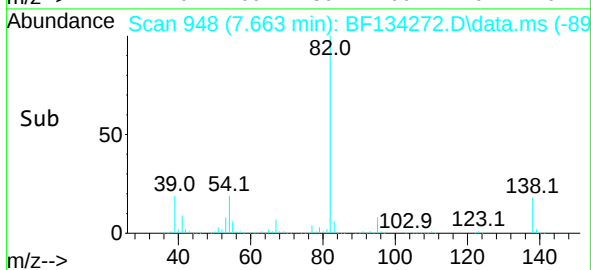
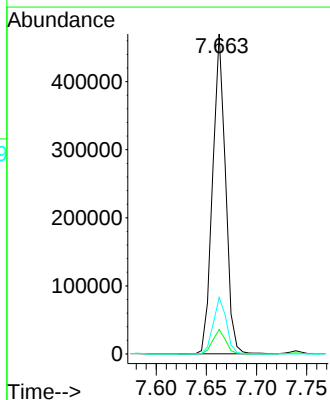
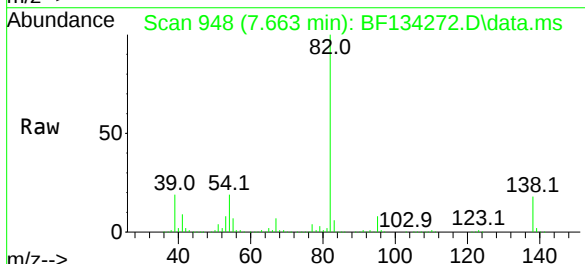
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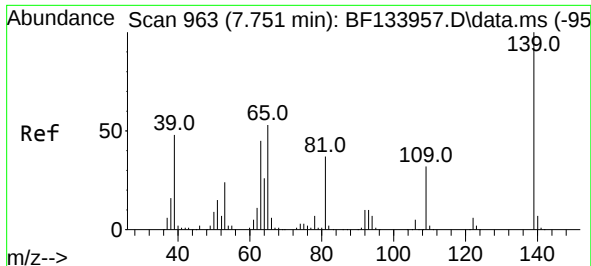
Tgt Ion: 77 Resp: 242127
Ion Ratio Lower Upper
77 100
123 45.3 37.8 56.6
65 14.4 11.3 16.9



#25
Isophorone
Concen: 15916.207 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion: 82 Resp: 419098
Ion Ratio Lower Upper
82 100
95 7.7 6.1 9.1
138 17.7 15.2 22.8

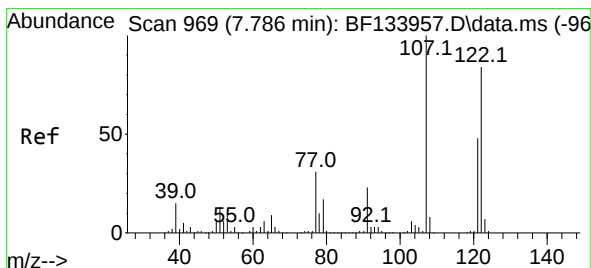
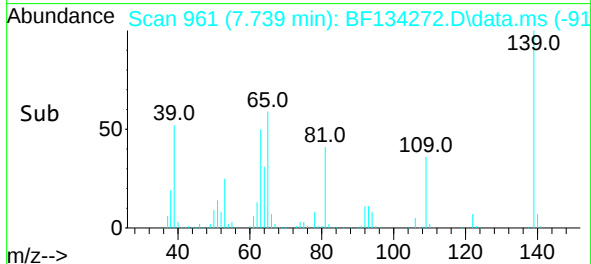
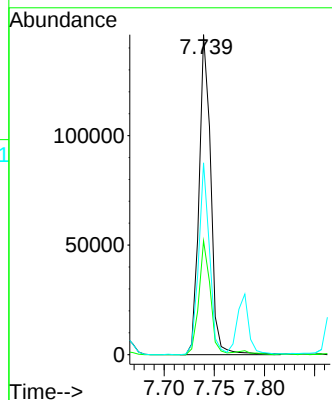
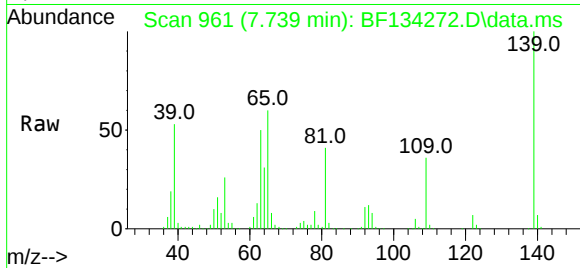




#26
2-Nitrophenol
Concen: 16955.594 ng
RT: 7.739 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

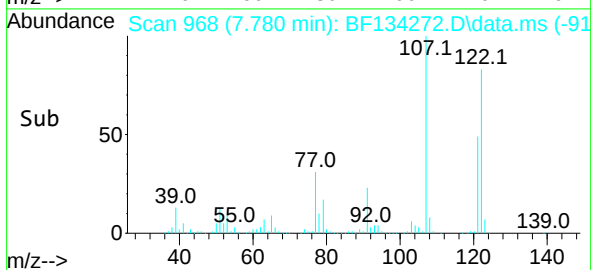
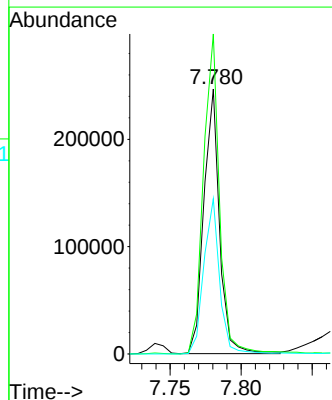
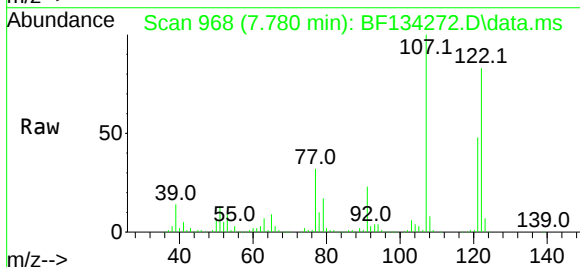
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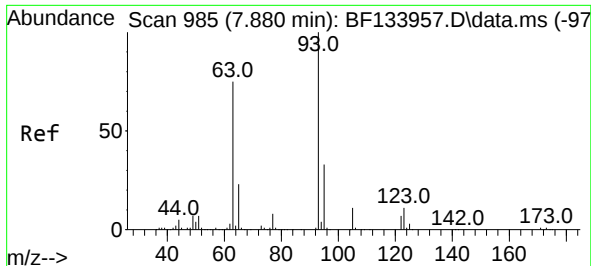
Tgt Ion:139 Resp: 119087
Ion Ratio Lower Upper
139 100
109 35.5 25.8 38.8
65 59.9 42.4 63.6



#27
2,4-Dimethylphenol
Concen: 17055.405 ng
RT: 7.780 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:122 Resp: 189615
Ion Ratio Lower Upper
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107 120.8 95.5 143.3
121 58.6 45.5 68.3

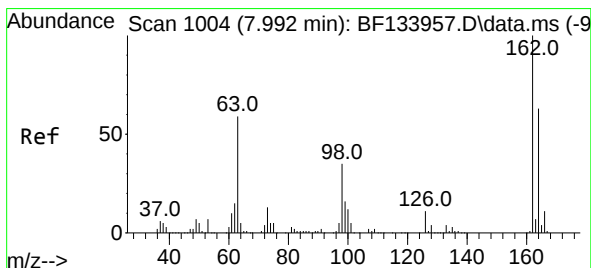
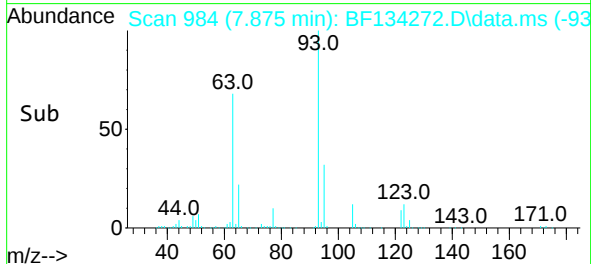
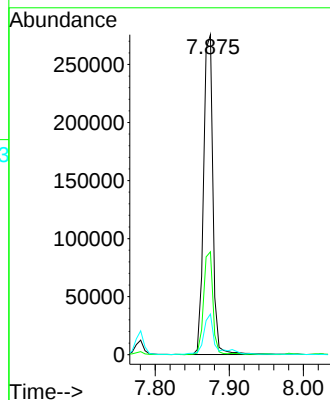
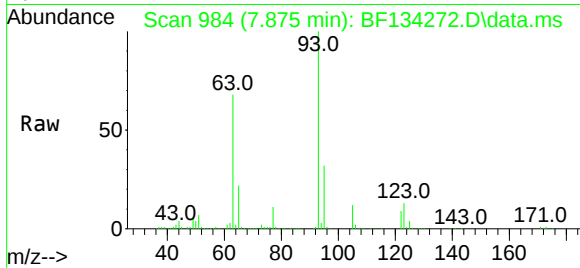




#28
bis(2-Chloroethoxy)methane
Concen: 15757.861 ng
RT: 7.875 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

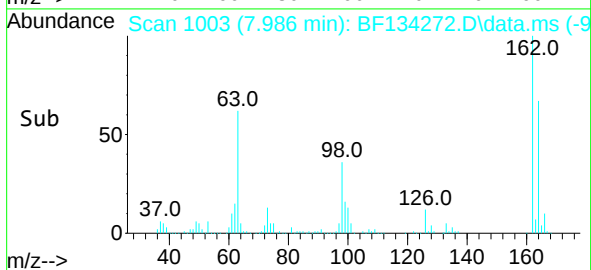
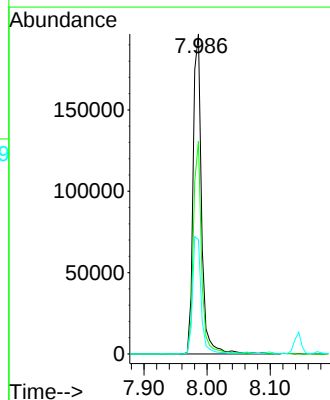
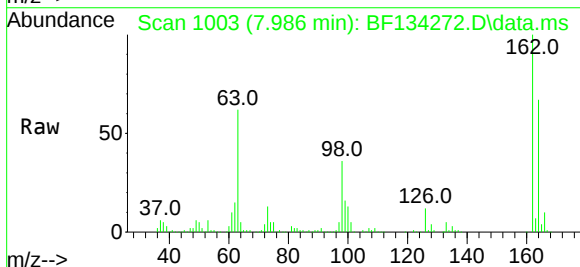
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

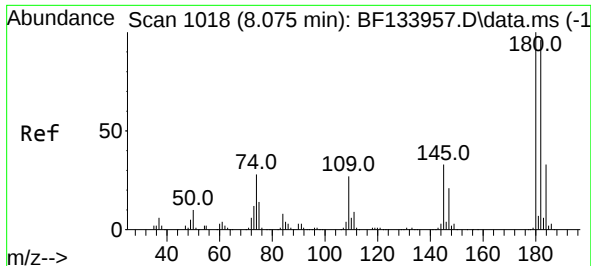
Tgt Ion: 93 Resp: 240257
Ion Ratio Lower Upper
93 100
95 32.1 26.5 39.7
123 12.7 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 16635.324 ng
RT: 7.986 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion: 162 Resp: 183394
Ion Ratio Lower Upper
162 100
164 66.5 43.2 83.2
98 35.8 14.9 54.9

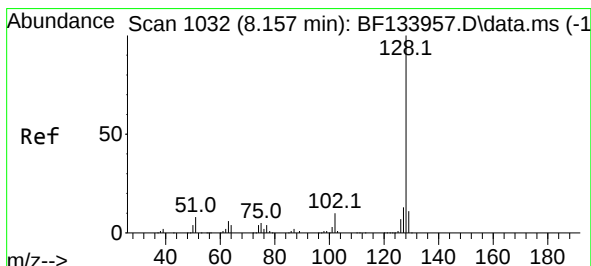
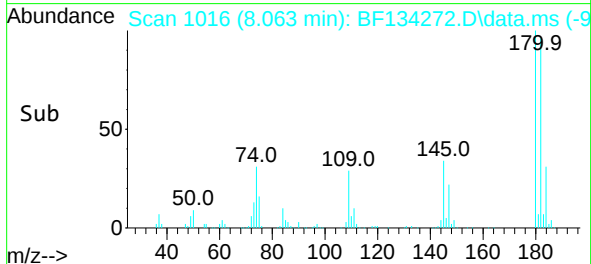
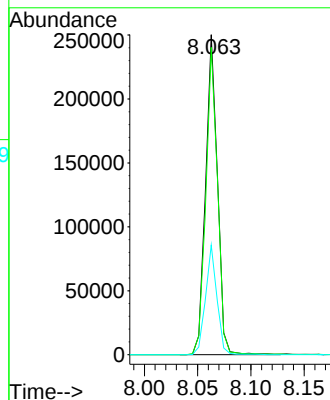
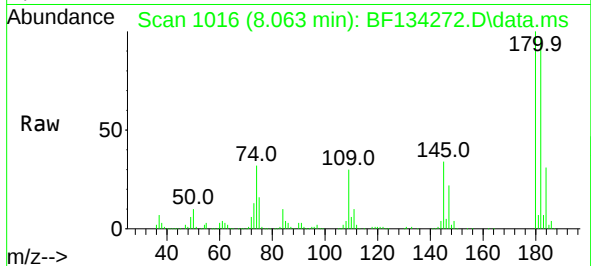




#30
1,2,4-Trichlorobenzene
Concen: 17069.939 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

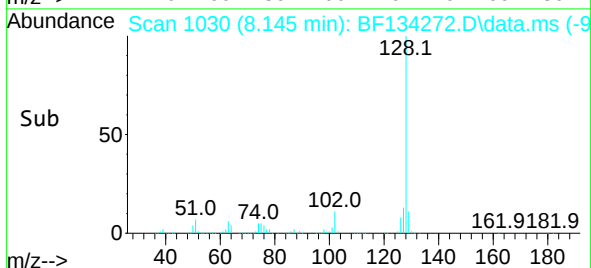
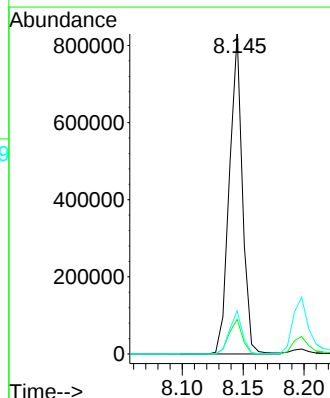
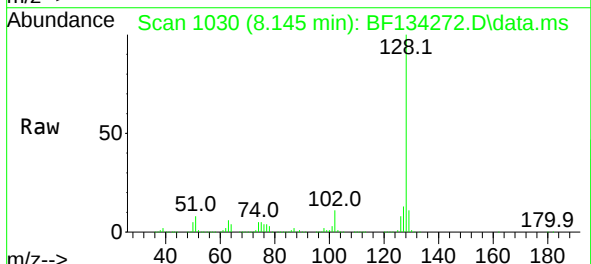
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

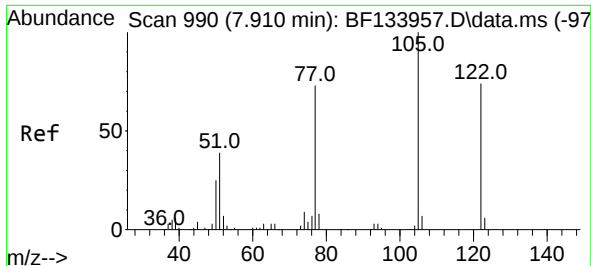
Tgt Ion:180 Resp: 194177
Ion Ratio Lower Upper
180 100
182 96.0 77.1 115.7
145 34.2 26.0 39.0



#31
Naphthalene
Concen: 16384.147 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:128 Resp: 618088
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.4 10.6 15.8

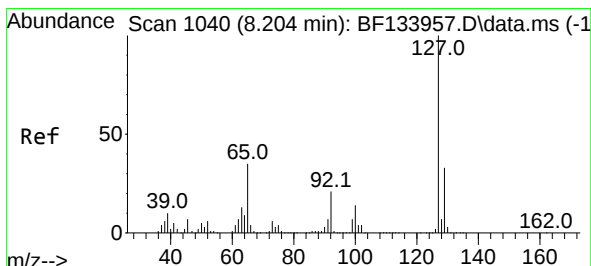
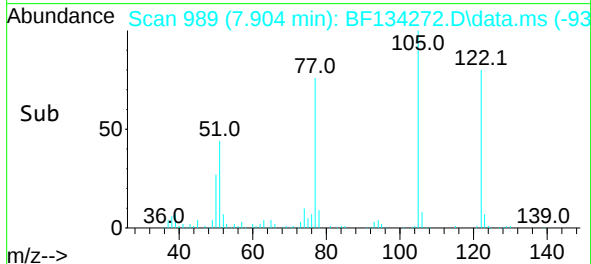
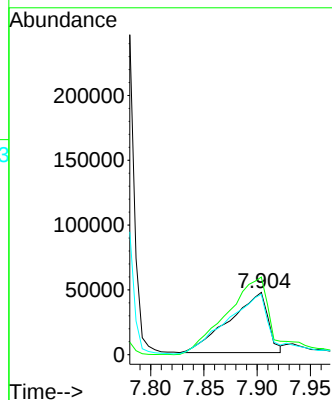
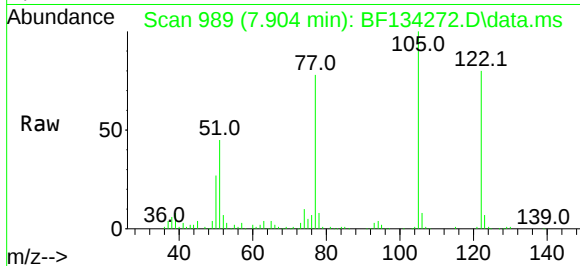




#32
Benzoic acid
Concen: 14159.555 ng
RT: 7.904 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

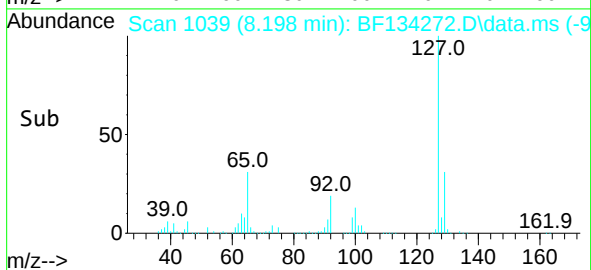
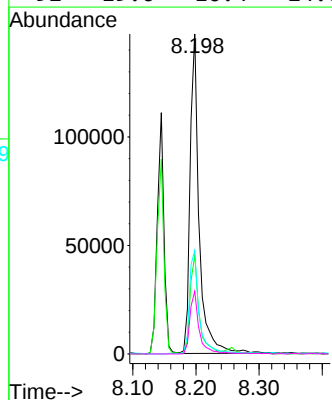
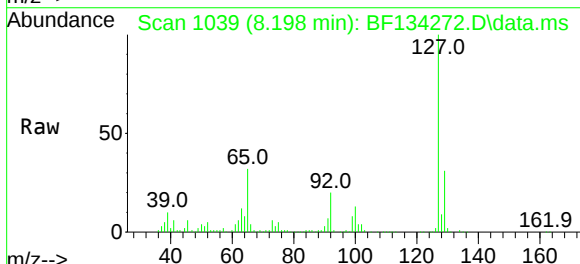
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

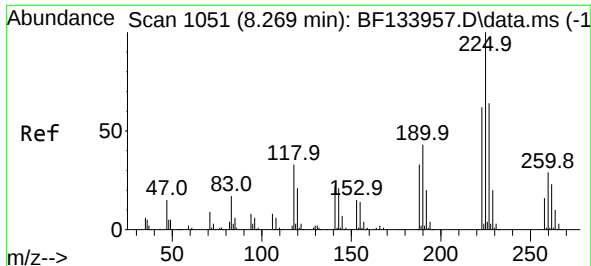
Tgt Ion:122 Resp: 117960
Ion Ratio Lower Upper
122 100
105 124.9 109.7 149.7
77 97.2 76.0 116.0



#33
4-Chloroaniline
Concen: 9158.705 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:127 Resp: 147796
Ion Ratio Lower Upper
127 100
129 30.8 26.4 39.6
65 32.3 27.8 41.8
92 19.6 16.4 24.6

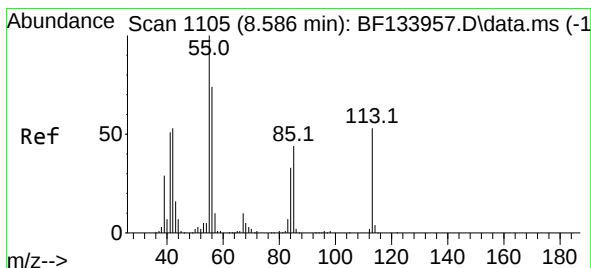
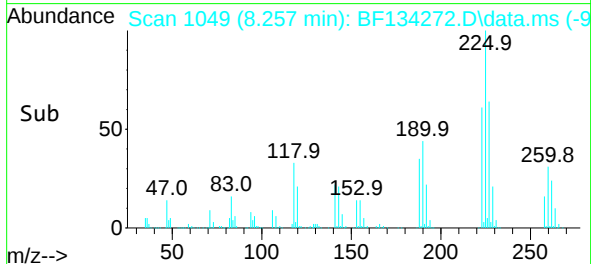
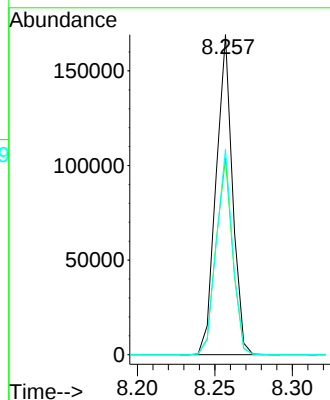
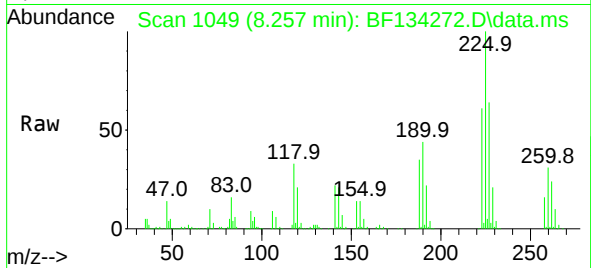




#34
Hexachlorobutadiene
Concen: 17308.367 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

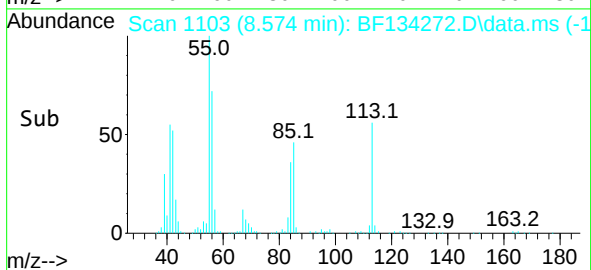
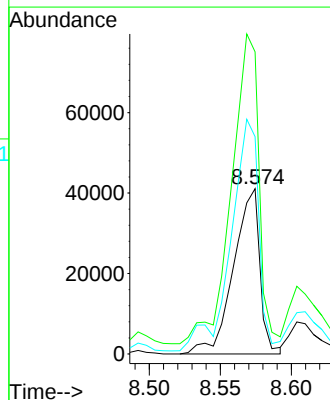
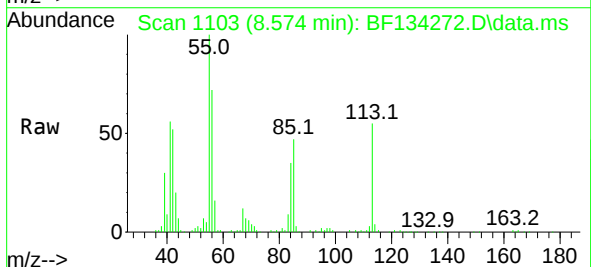
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

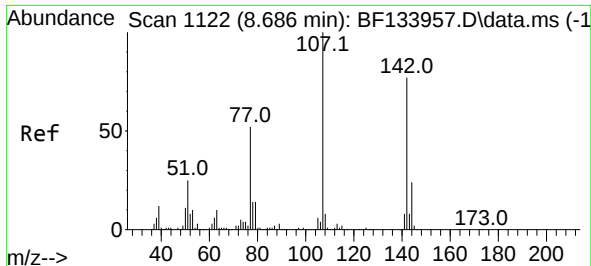
Tgt Ion:225 Resp: 124199
Ion Ratio Lower Upper
225 100
223 61.4 49.8 74.8
227 64.3 51.0 76.4



#35
Caprolactam
Concen: 14641.905 ng
RT: 8.574 min Scan# 1103
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:113 Resp: 53149
Ion Ratio Lower Upper
113 100
55 182.8 170.2 210.2
56 131.5 121.4 161.4

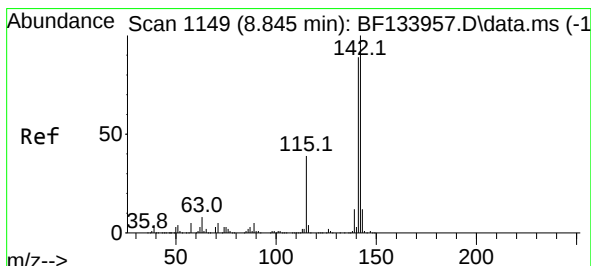
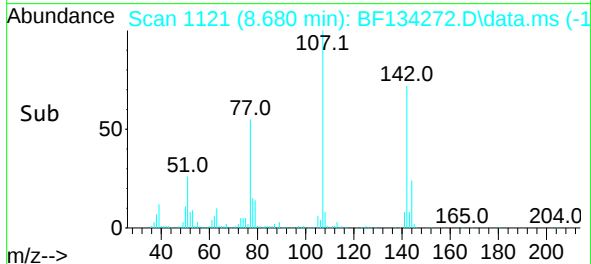
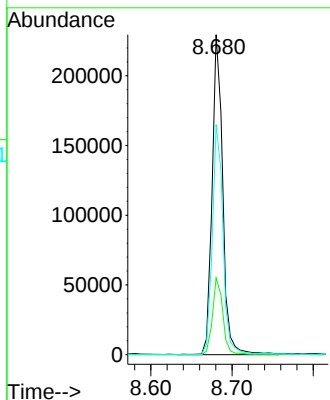
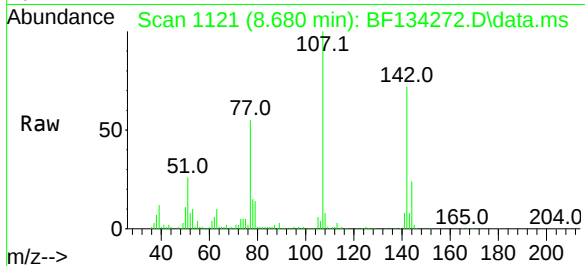




#36
4-Chloro-3-methylphenol
Concen: 16793.683 ng
RT: 8.680 min Scan# 1122
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

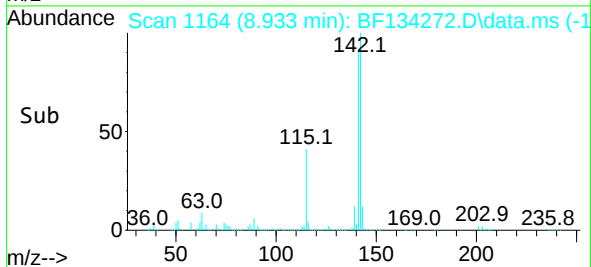
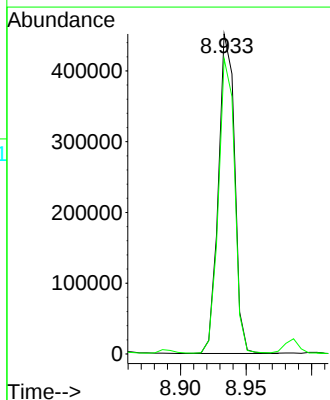
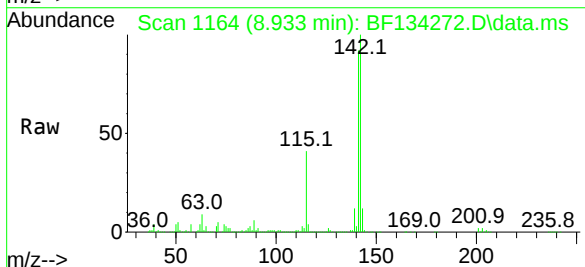
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

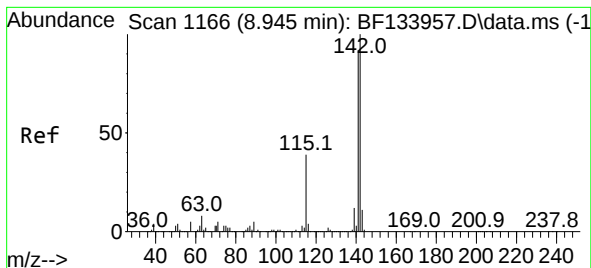
Tgt Ion:107 Resp: 207986
Ion Ratio Lower Upper
107 100
144 24.0 19.6 29.4
142 71.9 61.4 92.2



#37
2-Methylnaphthalene
Concen: 14545.067 ng
RT: 8.933 min Scan# 1164
Delta R.T. 0.094 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:142 Resp: 388024
Ion Ratio Lower Upper
142 100
141 92.2 71.0 106.4





#38

1-Methylnaphthalene

Concen: 15645.843 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

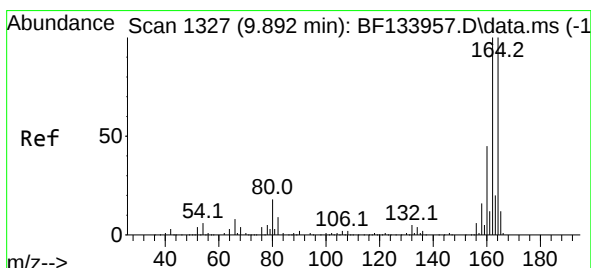
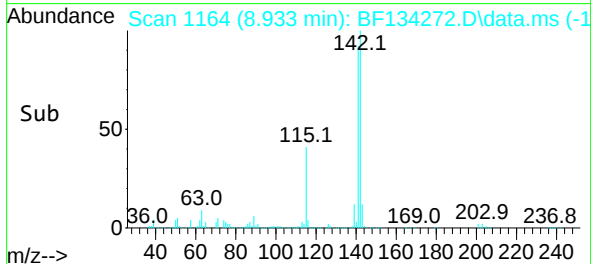
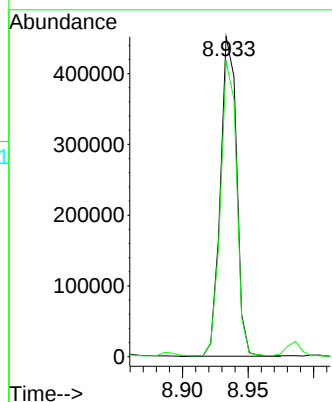
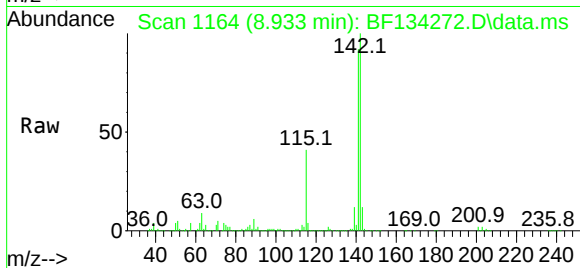
VNJ-225MS

Tgt Ion:142 Resp: 388024

Ion Ratio Lower Upper

142 100

141 92.2 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.974 min Scan# 1341

Delta R.T. 0.088 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

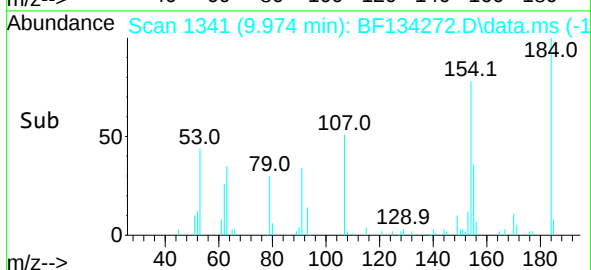
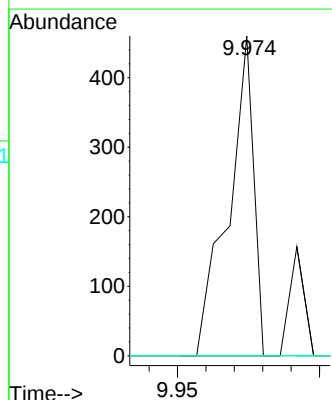
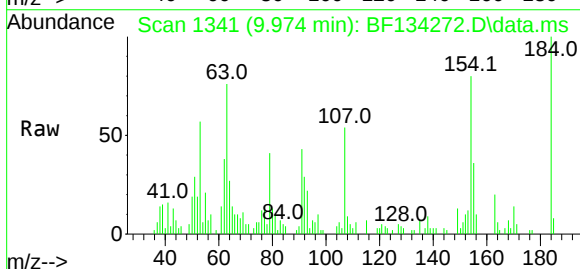
Tgt Ion:164 Resp: 285

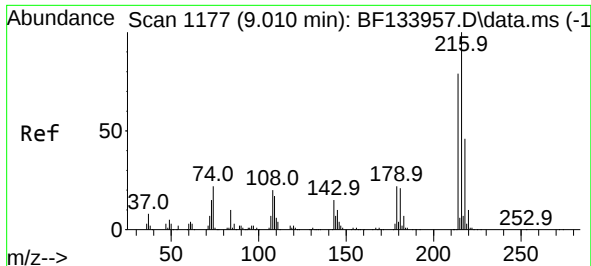
Ion Ratio Lower Upper

164 100

162 0.0 80.0 120.0#

160 0.0 35.9 53.9#

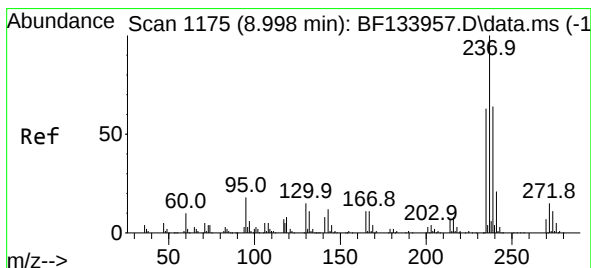
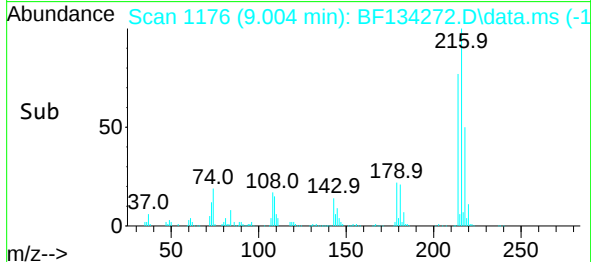
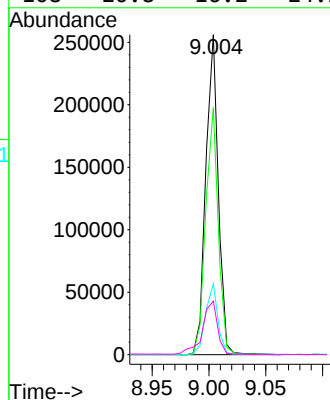
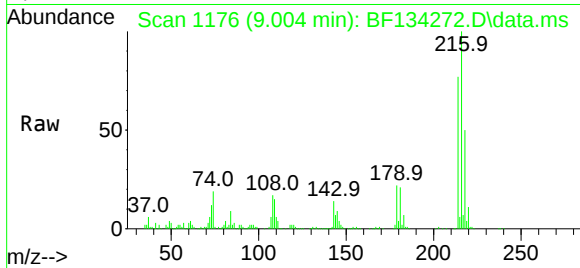




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 23227.711 ng
 RT: 9.004 min Scan# 1176
 Delta R.T. -0.000 min
 Lab File: BF134272.D
 Acq: 13 Jul 2023 20:58

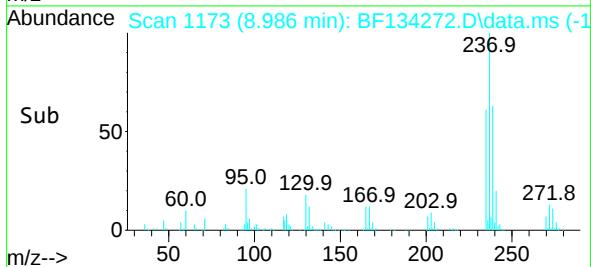
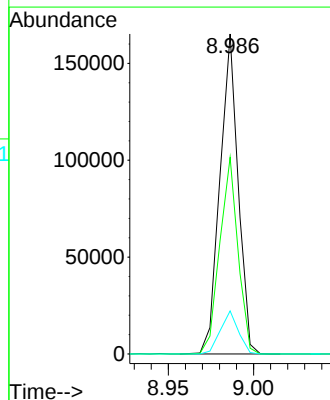
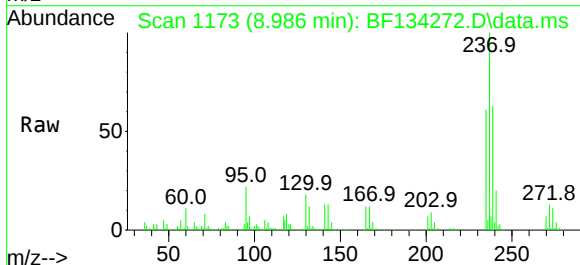
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MS

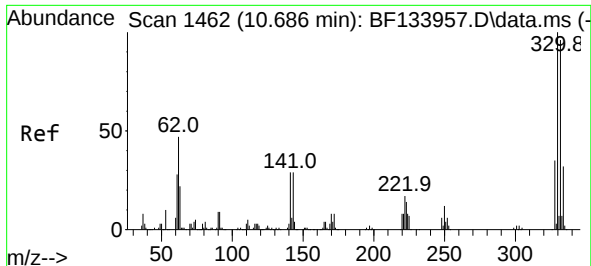
Tgt Ion:	216	Resp:	196125
Ion Ratio	Lower	Upper	
216	100		
214	77.7	64.1	96.1
179	22.0	17.3	25.9
108	20.8	16.2	24.2



#41
 Hexachlorocyclopentadiene
 Concen: 30604.425 ng
 RT: 8.986 min Scan# 1173
 Delta R.T. -0.000 min
 Lab File: BF134272.D
 Acq: 13 Jul 2023 20:58

Tgt Ion:	237	Resp:	122595
Ion Ratio	Lower	Upper	
237	100		
235	61.4	42.8	82.8
272	13.5	0.0	34.6





#42

2,4,6-Tribromophenol

Concen: 48106.104 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

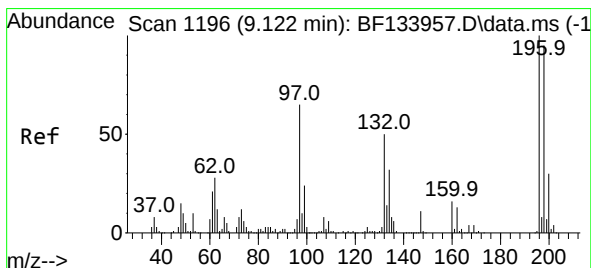
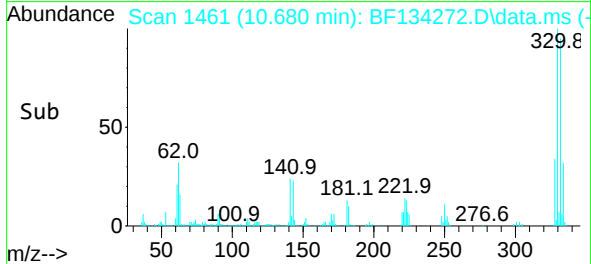
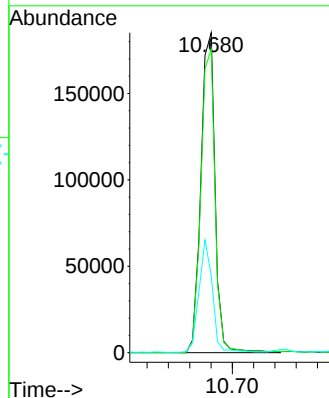
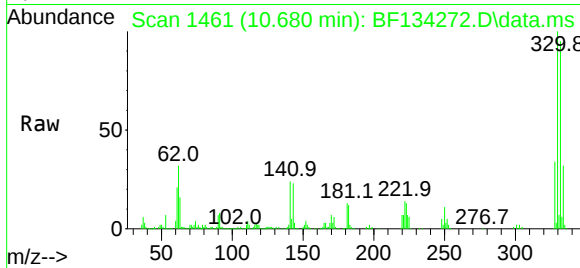
Tgt Ion:330 Resp: 171899

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

141 33.1 26.3 39.5



#43

2,4,6-Trichlorophenol

Concen: 25117.152 ng

RT: 9.163 min Scan# 1203

Delta R.T. 0.041 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

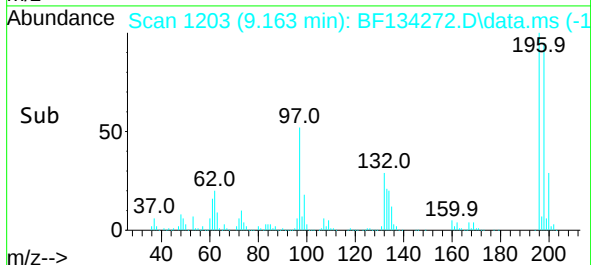
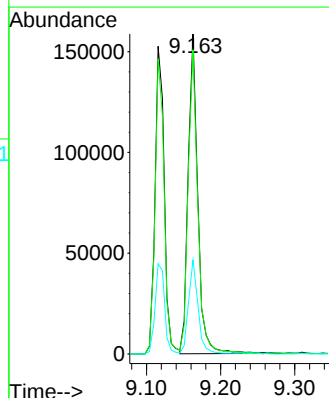
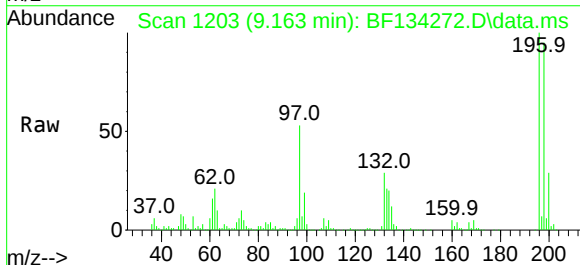
Tgt Ion:196 Resp: 144371

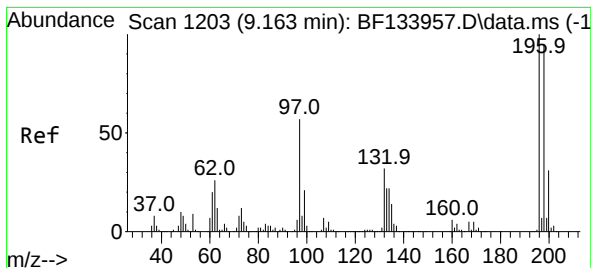
Ion Ratio Lower Upper

196 100

198 95.1 75.6 113.4

200 29.4 24.4 36.6





#44

2,4,5-Trichlorophenol

Concen: 21353.087 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134272.D

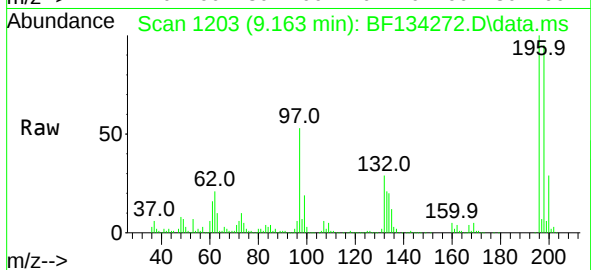
Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS



Tgt Ion:196 Resp: 144371

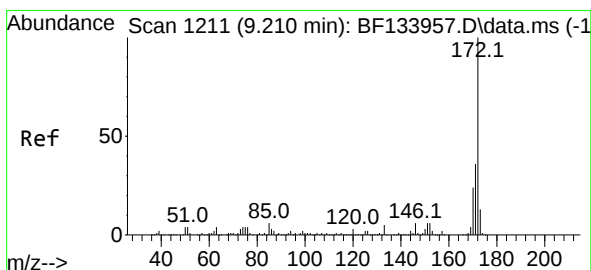
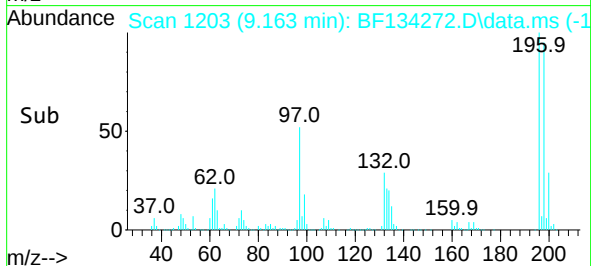
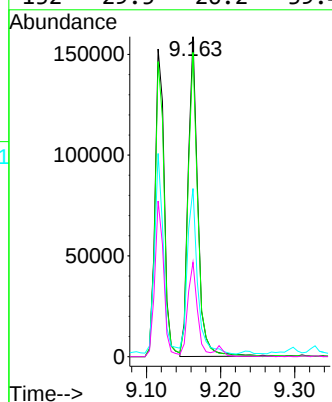
Ion Ratio Lower Upper

196 100

198 95.1 75.7 113.5

97 52.6 45.8 68.6

132 29.5 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 31808.727 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

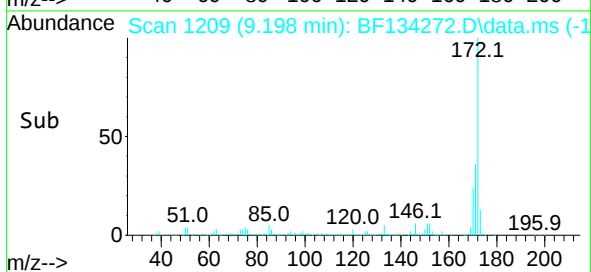
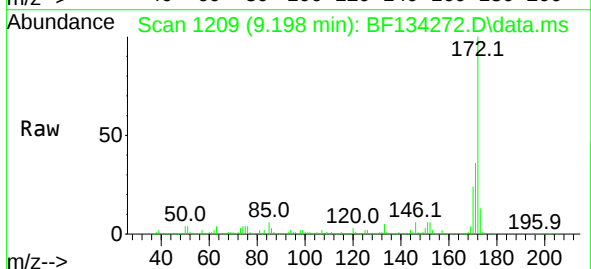
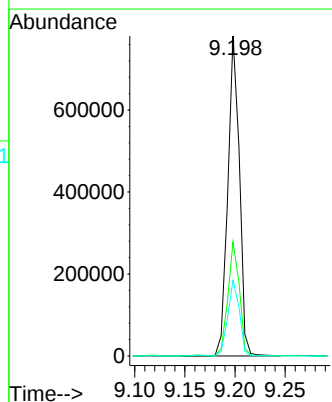
Tgt Ion:172 Resp: 623532

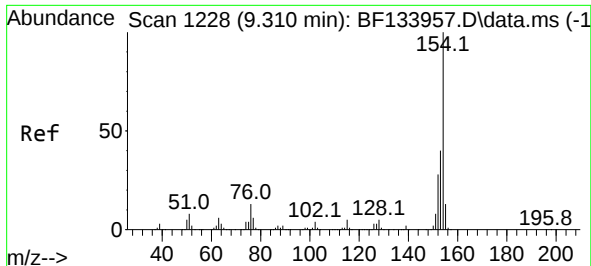
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.7 19.4 29.0

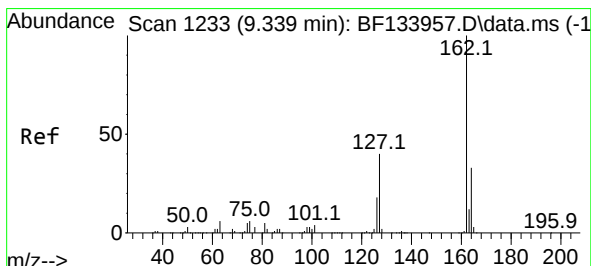
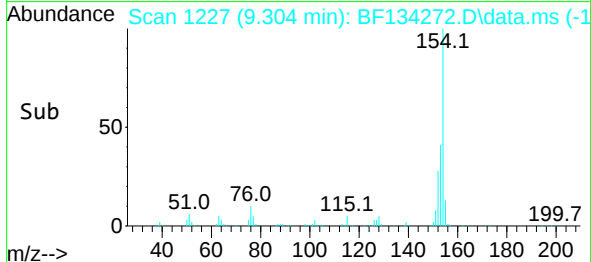
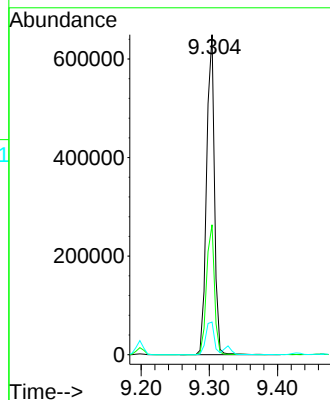
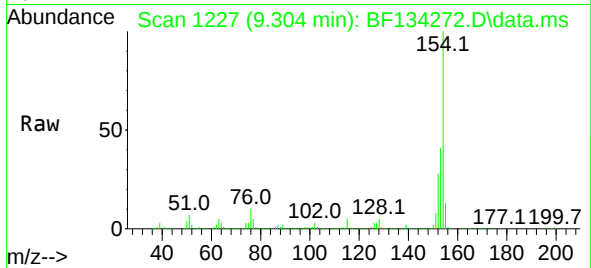




#46
1,1'-Biphenyl
Concen: 22810.363 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

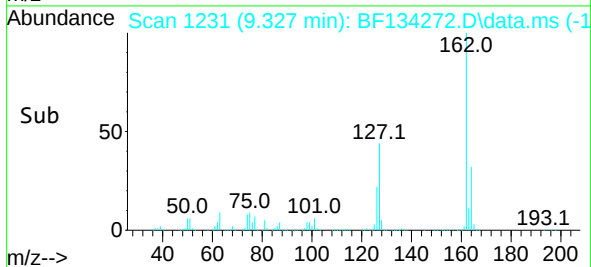
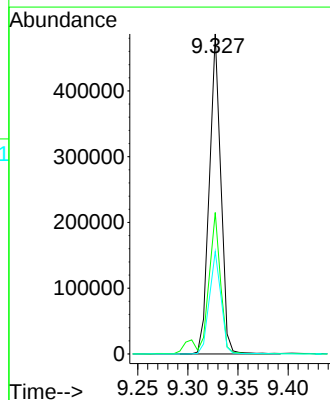
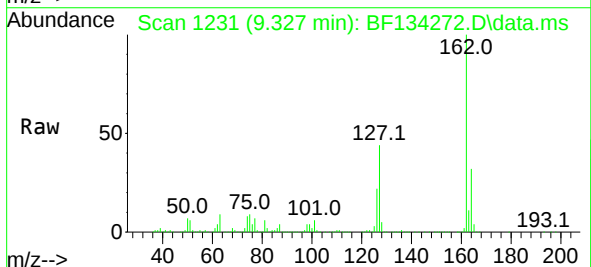
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

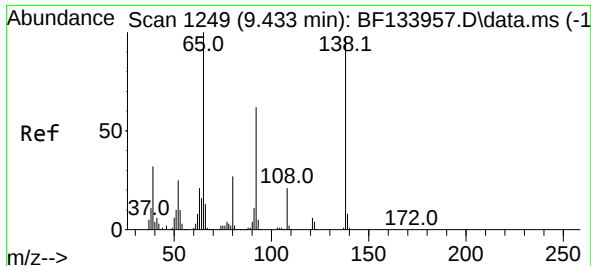
Tgt Ion:154 Resp: 521483
Ion Ratio Lower Upper
154 100
153 40.6 19.8 59.8
76 10.2 0.0 32.9



#47
2-Chloronaphthalene
Concen: 23261.344 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:162 Resp: 389094
Ion Ratio Lower Upper
162 100
127 44.2 32.9 49.3
164 32.0 26.1 39.1

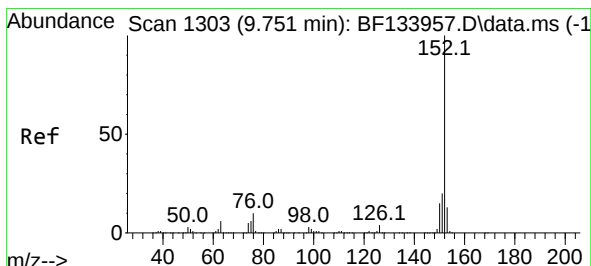
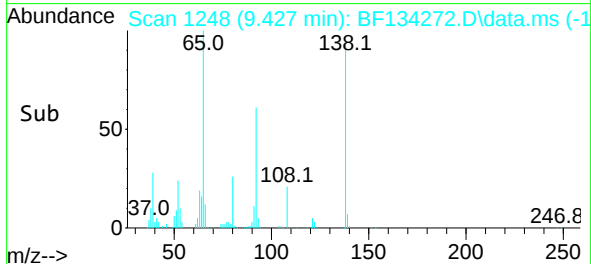
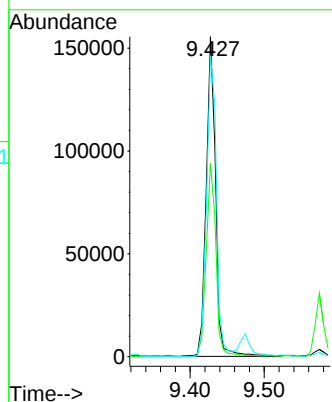
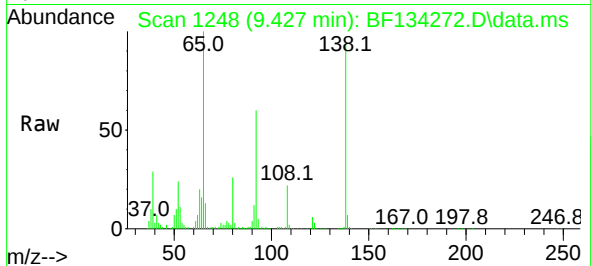




#48
2-Nitroaniline
Concen: 22609.721 ng
RT: 9.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

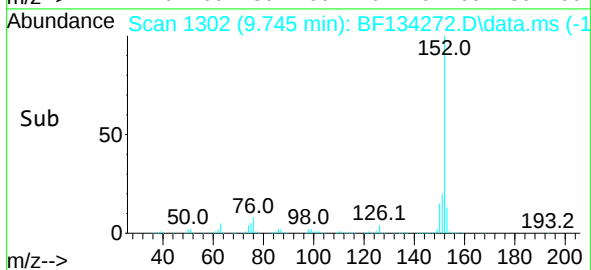
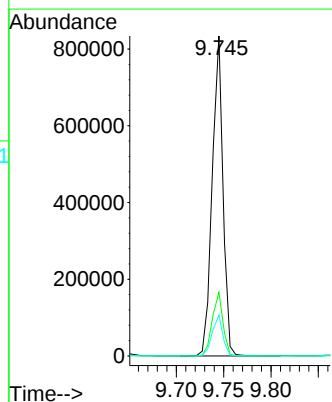
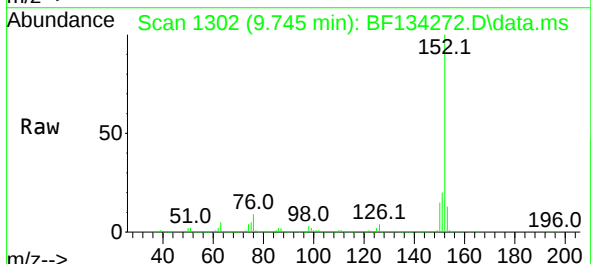
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

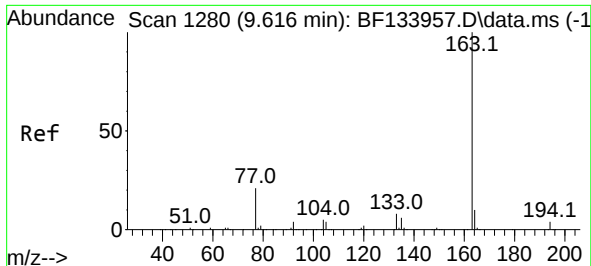
Tgt Ion: 65 Resp: 137832
Ion Ratio Lower Upper
65 100
92 60.4 49.5 74.3
138 94.0 78.0 117.0



#49
Acenaphthylene
Concen: 23039.663 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion: 152 Resp: 658336
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 12.7 10.8 16.2

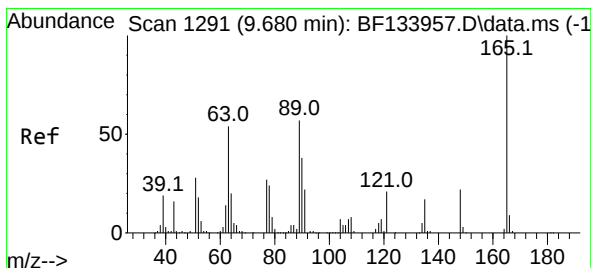
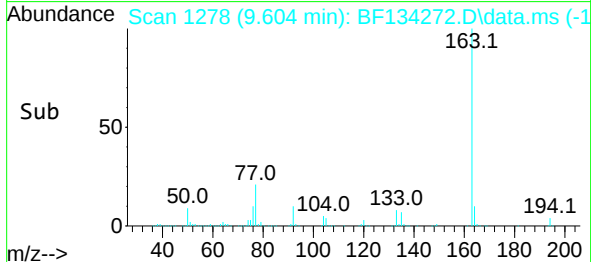
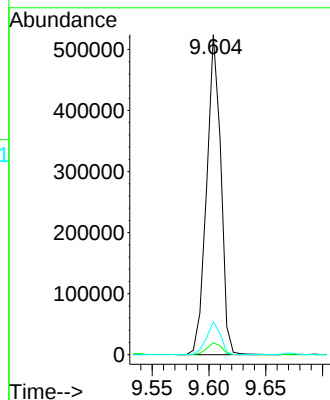
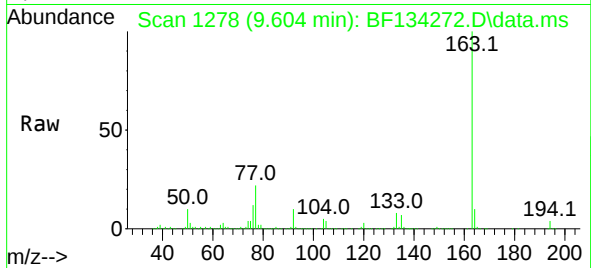




#50
Dimethylphthalate
Concen: 21900.195 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

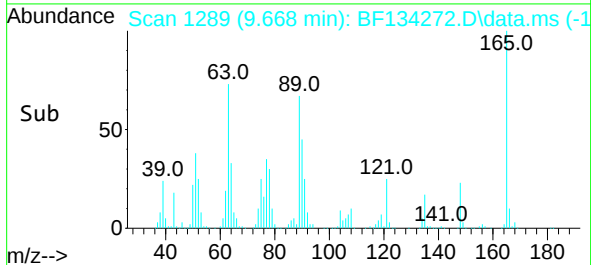
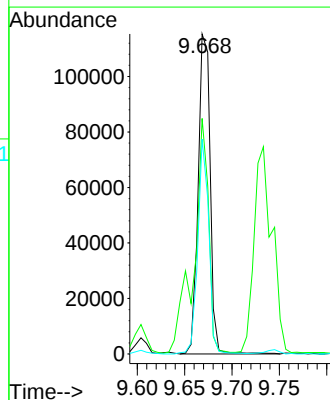
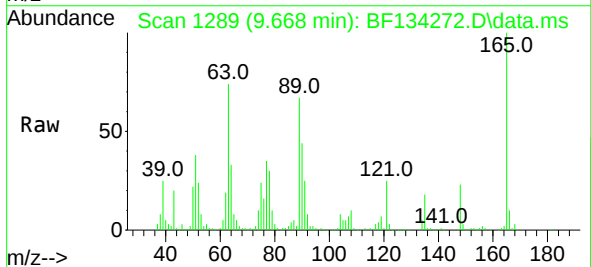
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

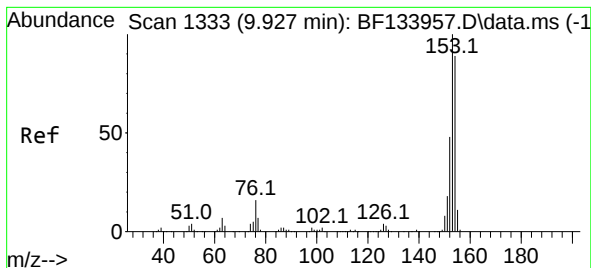
Tgt Ion:163 Resp: 453076
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.3 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 22882.506 ng
RT: 9.668 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:165 Resp: 101962
Ion Ratio Lower Upper
165 100
63 73.6 48.5 72.7#
89 67.2 45.5 68.3





#52

Acenaphthene

Concen: 25387.597 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

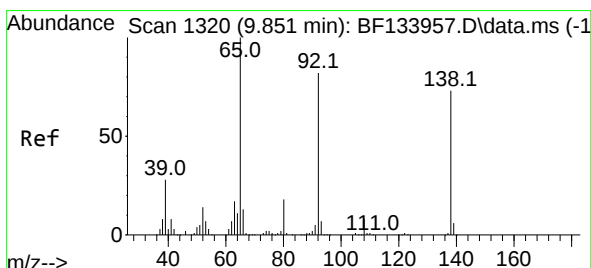
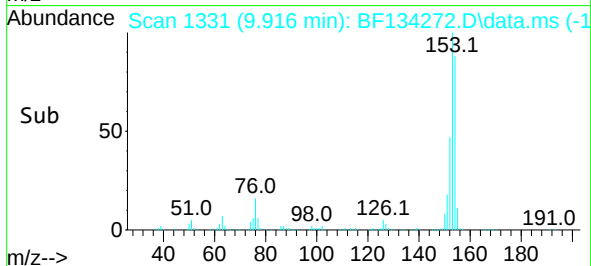
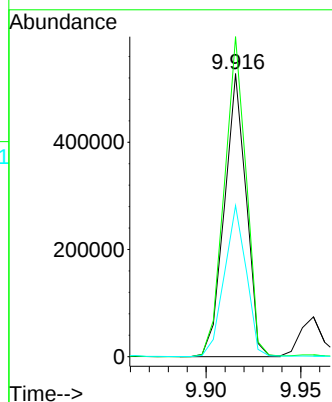
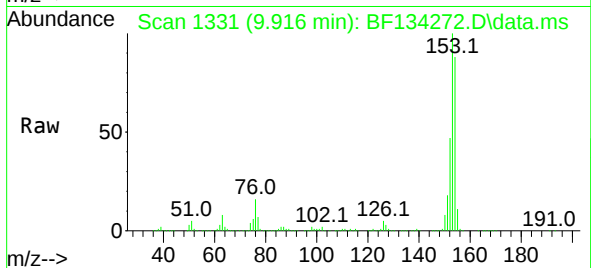
Tgt Ion:154 Resp: 420932

Ion Ratio Lower Upper

154 100

153 113.1 89.4 134.2

152 53.4 42.8 64.2



#53

3-Nitroaniline

Concen: 18320.258 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

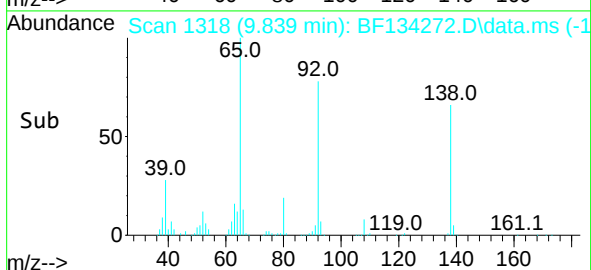
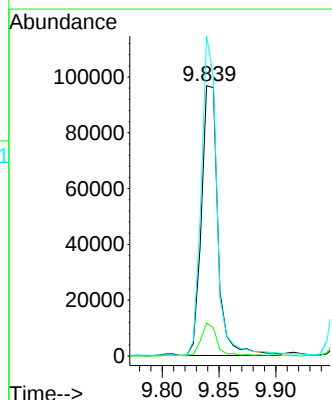
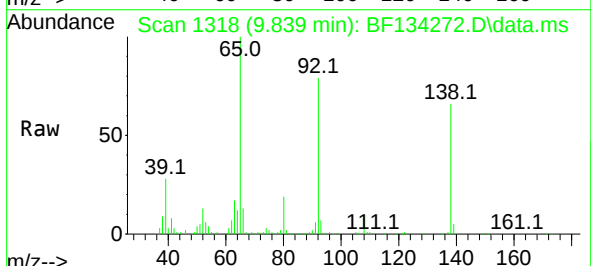
Tgt Ion:138 Resp: 97933

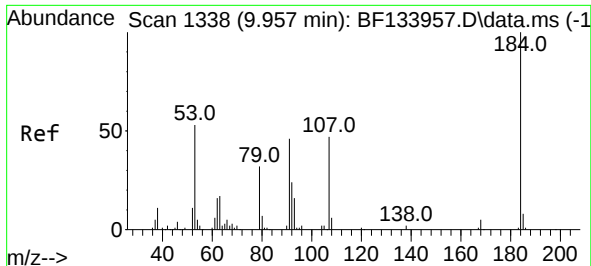
Ion Ratio Lower Upper

138 100

108 12.2 8.4 12.6

92 118.4 90.1 135.1

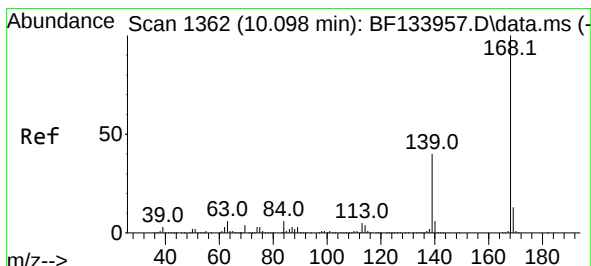
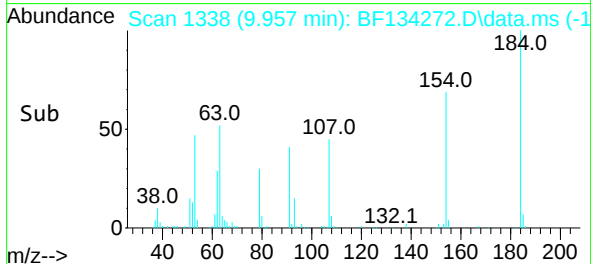
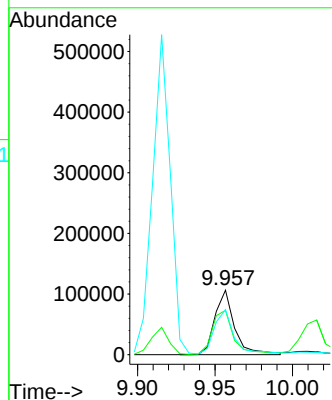
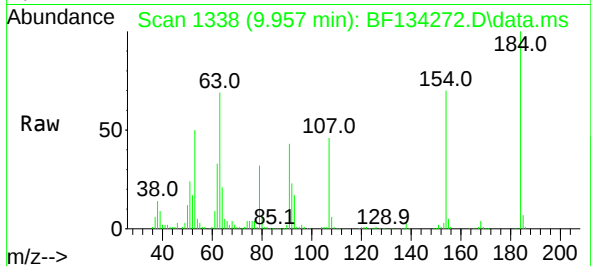




#54
2,4-Dinitrophenol
Concen: 34814.550 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

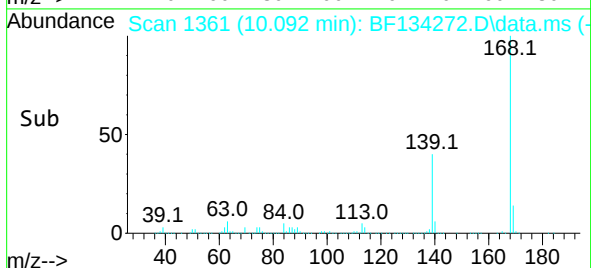
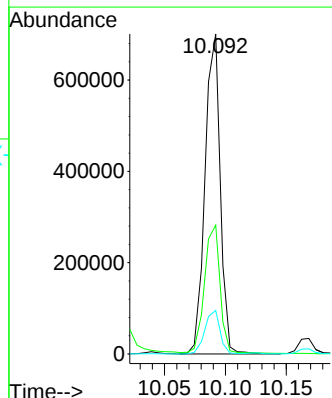
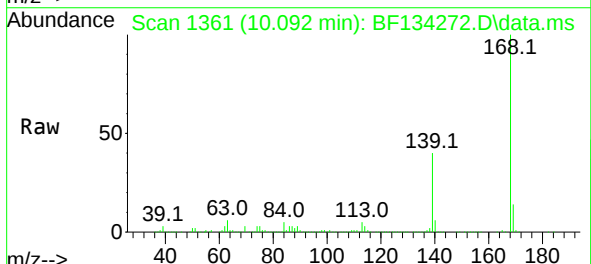
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

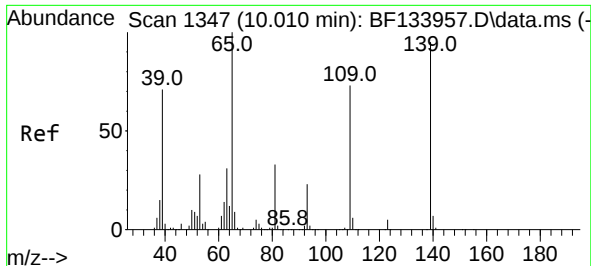
Tgt Ion:184 Resp: 94125
Ion Ratio Lower Upper
184 100
63 68.8 56.9 85.3
154 70.0 55.4 83.0



#55
Dibenzofuran
Concen: 23542.630 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:168 Resp: 610043
Ion Ratio Lower Upper
168 100
139 40.3 32.0 48.0
169 13.6 10.6 16.0

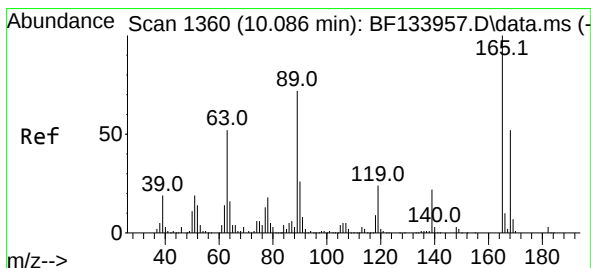
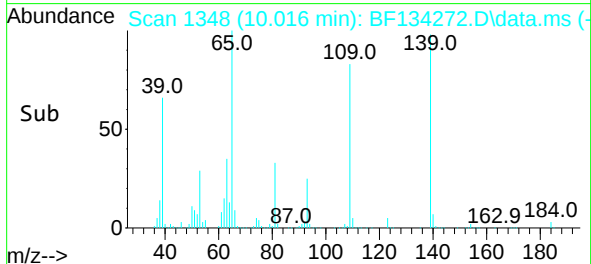
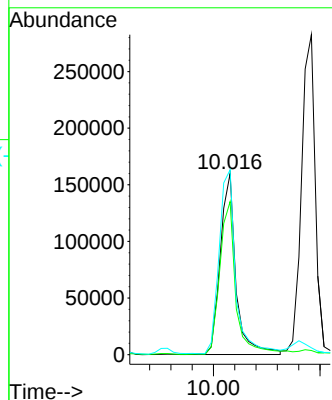
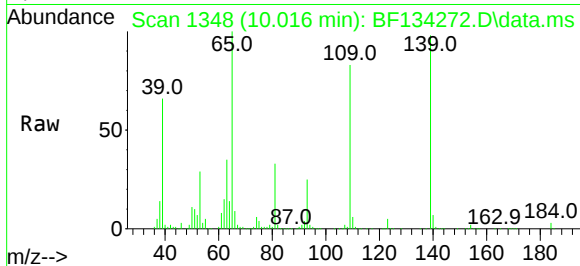




#56
4-Nitrophenol
Concen: 43582.510 ng
RT: 10.016 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

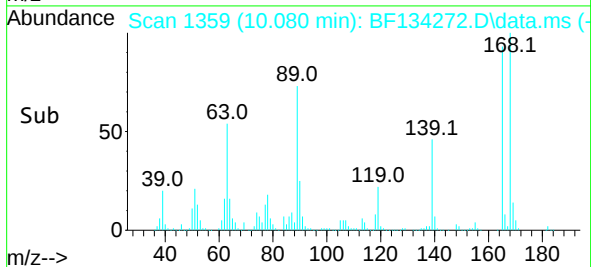
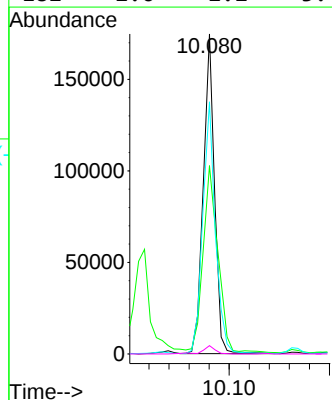
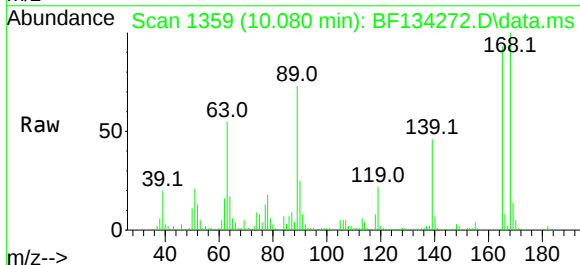
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

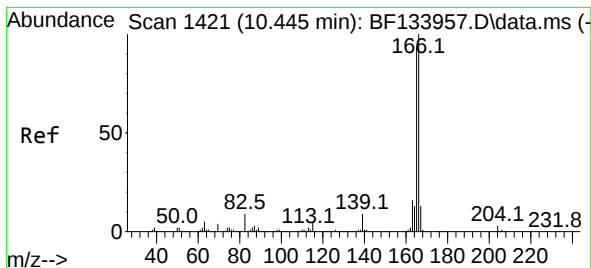
Tgt Ion:139 Resp: 162963
Ion Ratio Lower Upper
139 100
109 84.5 56.8 96.8
65 102.1 86.1 126.1



#57
2,4-Dinitrotoluene
Concen: 23154.688 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:165 Resp: 136256
Ion Ratio Lower Upper
165 100
63 58.9 42.2 63.2
89 78.8 57.4 86.2
182 2.6 2.2 3.4





#58

Fluorene

Concen: 26276.201 ng

RT: 10.433 min Scan# 1421

Delta R.T. -0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

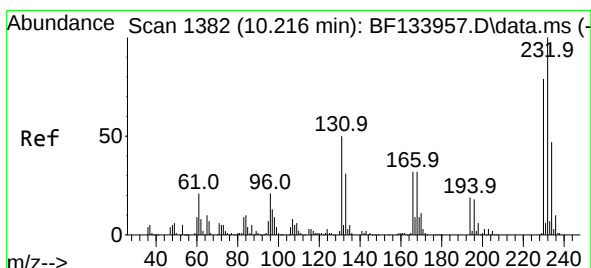
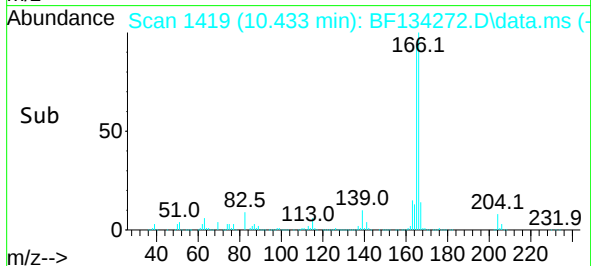
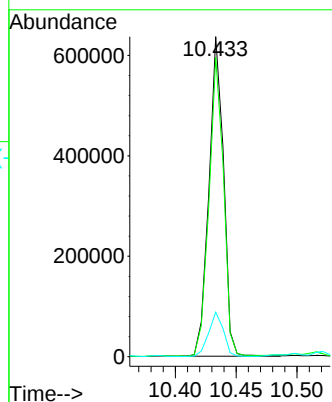
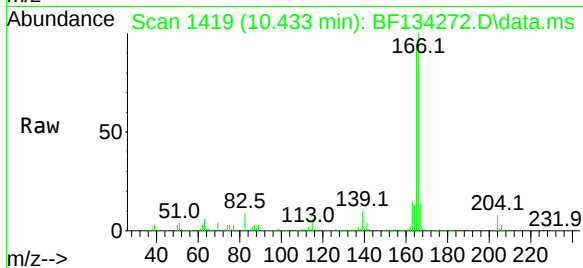
Tgt Ion:166 Resp: 529714

Ion Ratio Lower Upper

166 100

165 93.6 75.0 112.4

167 13.9 10.6 15.8



#59

2,3,4,6-Tetrachlorophenol

Concen: 22828.812 ng

RT: 10.210 min Scan# 1381

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Tgt Ion:232 Resp: 121750

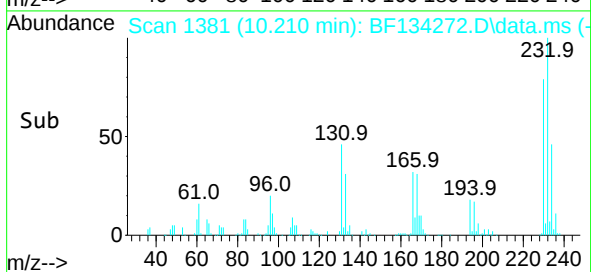
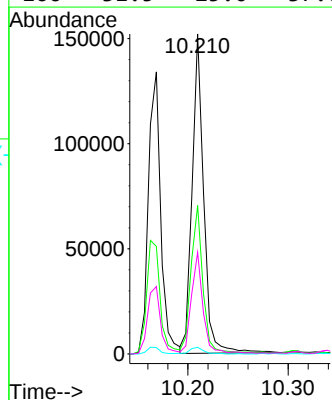
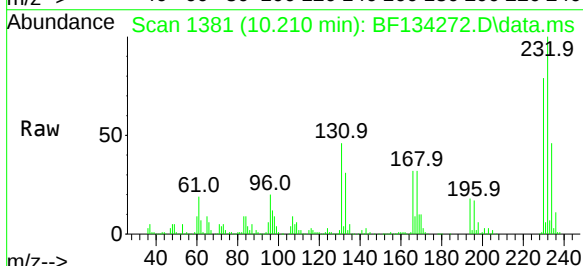
Ion Ratio Lower Upper

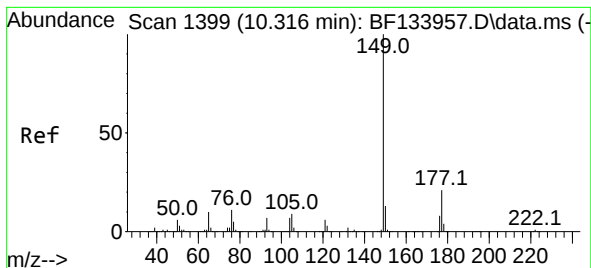
232 100

131 48.0 39.3 58.9

130 2.6 1.8 2.6

166 31.5 25.0 37.6





#60

Diethylphthalate

Concen: 22141.066 ng

RT: 10.310 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

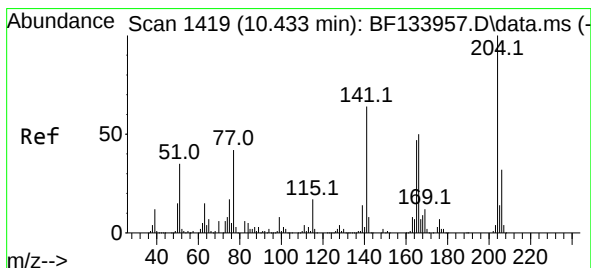
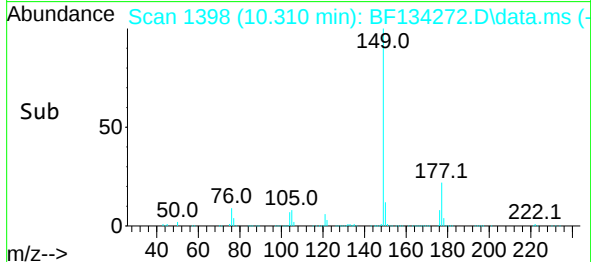
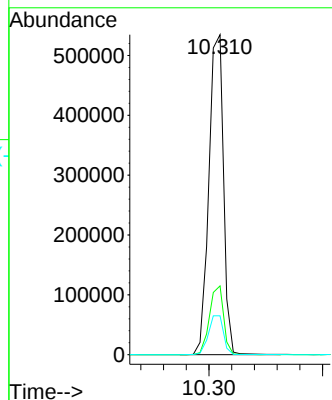
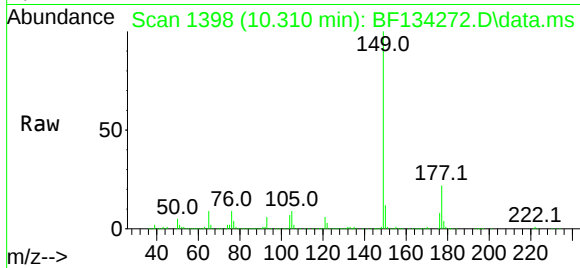
Tgt Ion:149 Resp: 477227

Ion Ratio Lower Upper

149 100

177 21.5 17.0 25.6

150 12.1 10.2 15.2



#61

4-Chlorophenyl-phenylether

Concen: 22523.852 ng

RT: 10.427 min Scan# 1418

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

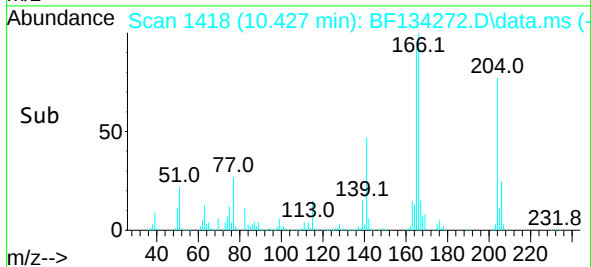
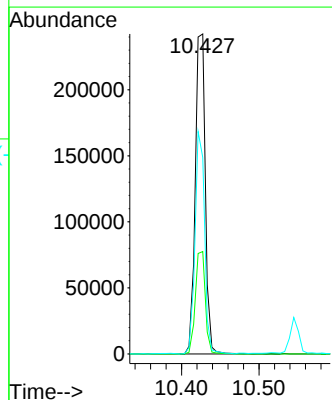
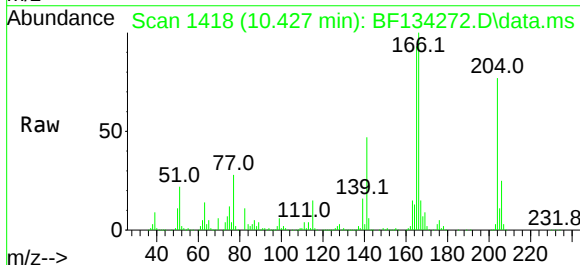
Tgt Ion:204 Resp: 218823

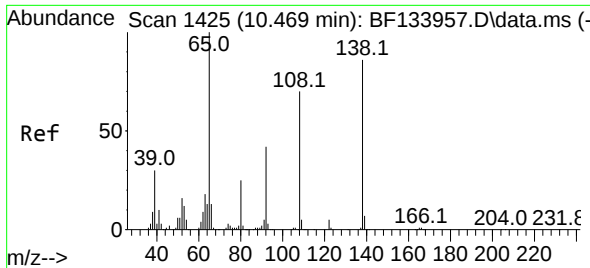
Ion Ratio Lower Upper

204 100

206 32.0 25.8 38.6

141 61.4 51.5 77.3

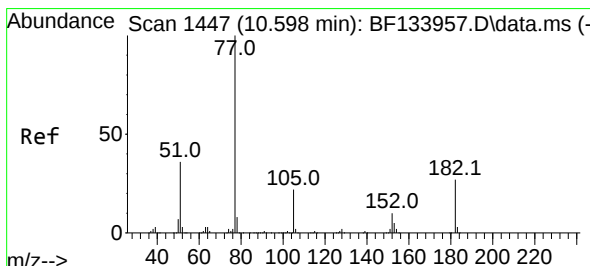
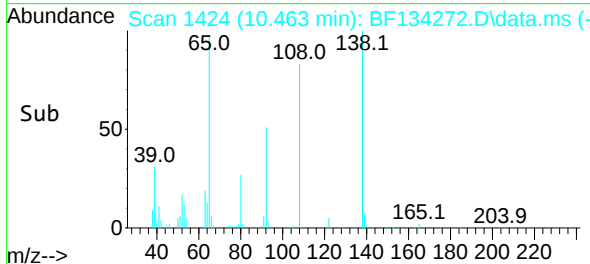
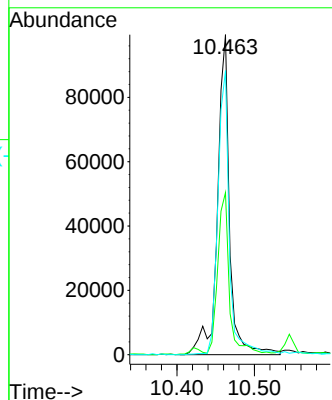
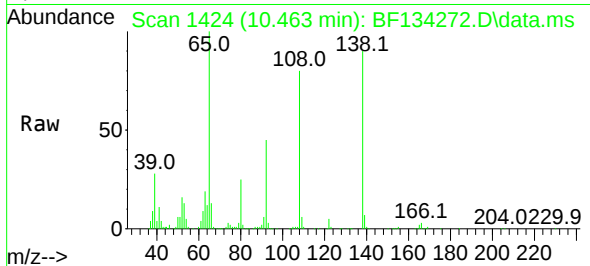




#62
4-Nitroaniline
Concen: 20069.198 ng
RT: 10.463 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

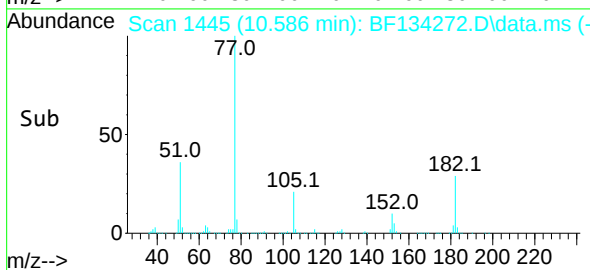
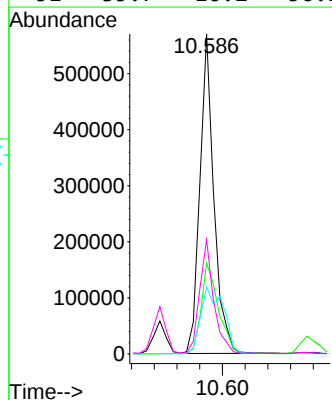
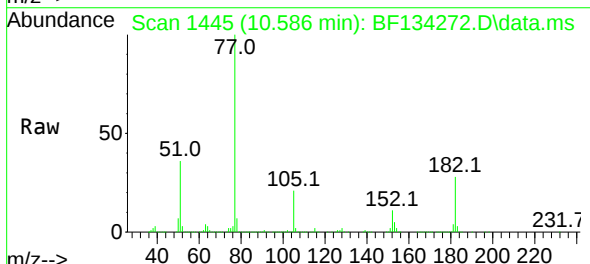
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

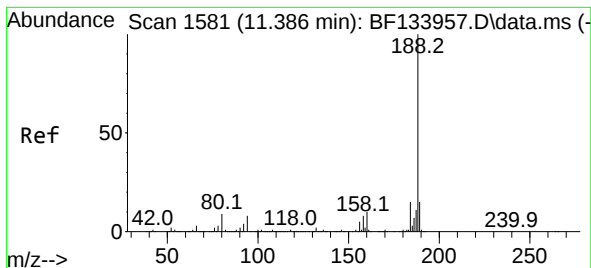
Tgt Ion:138 Resp: 108118
Ion Ratio Lower Upper
138 100
92 50.6 29.7 69.7
108 88.8 62.1 102.1



#63
Azobenzene
Concen: 24043.094 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion: 77 Resp: 490197
Ion Ratio Lower Upper
77 100
182 28.4 6.8 46.8
105 20.9 2.3 42.3
51 35.7 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 11492

Delta R.T. 0.112 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

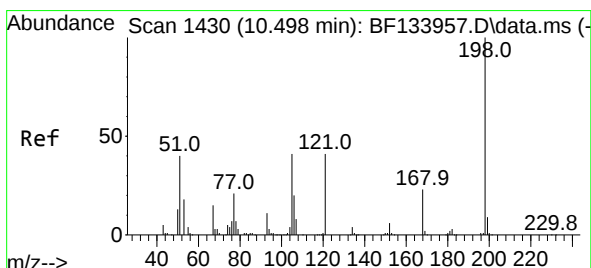
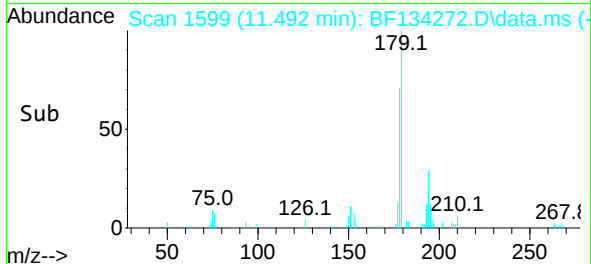
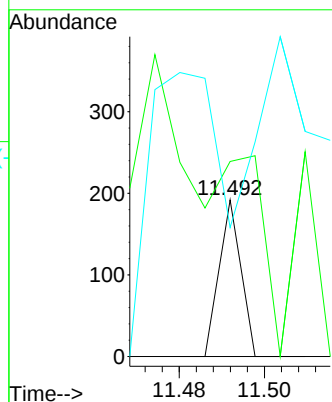
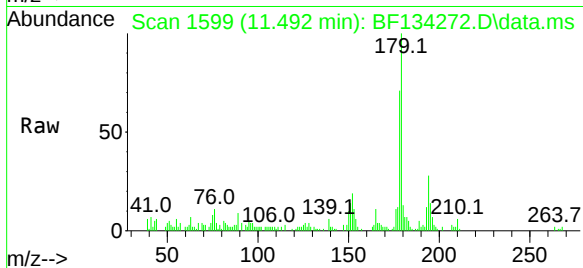
Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

Tgt Ion:188	Resp:	68
Ion Ratio	Lower	Upper
188	100	
94	124.5	6.4 9.6#
80	82.3	7.3 10.9#



#65

4,6-Dinitro-2-methylphenol

Concen: 171361.149 ng

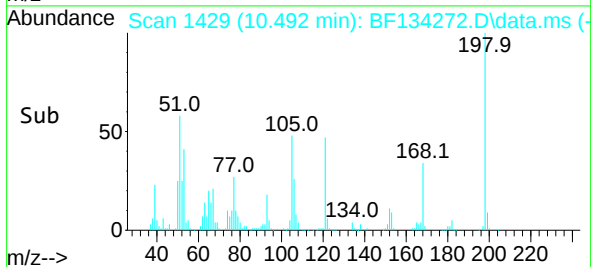
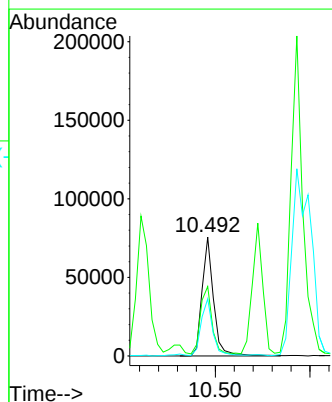
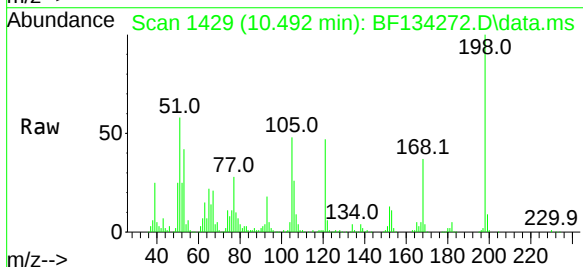
RT: 10.492 min Scan# 1429

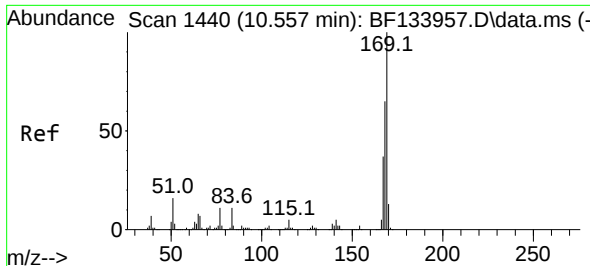
Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Tgt Ion:198	Resp:	63529
Ion Ratio	Lower	Upper
198	100	
51	58.4	29.3 69.3
105	48.0	22.4 62.4

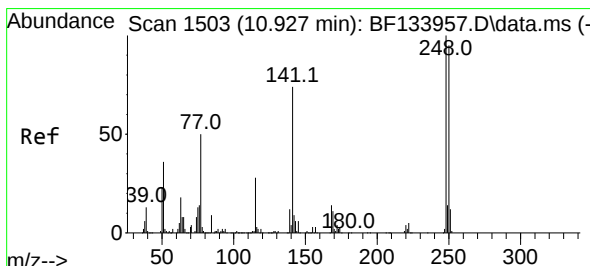
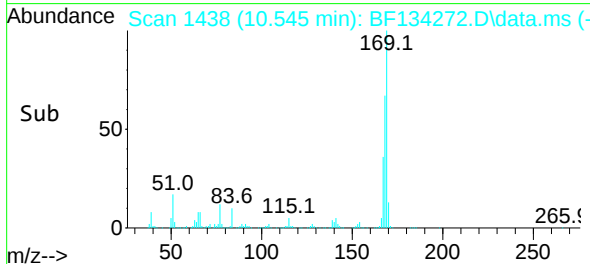
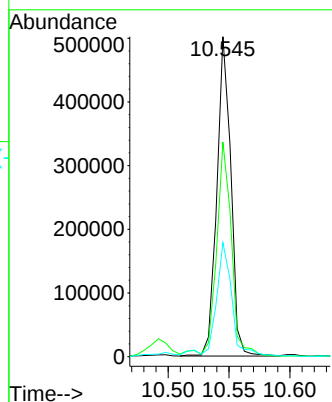
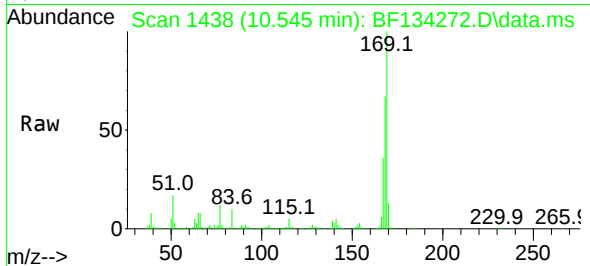




#66
n-Nitrosodiphenylamine
Concen: 185616.250 ng
RT: 10.545 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

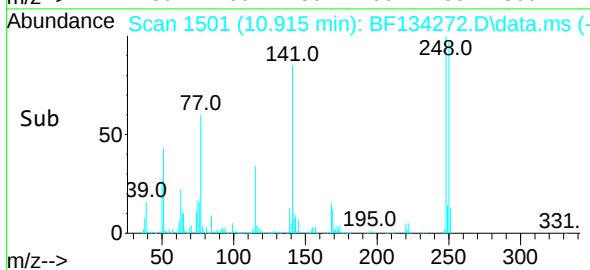
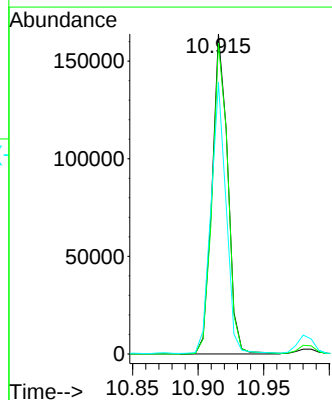
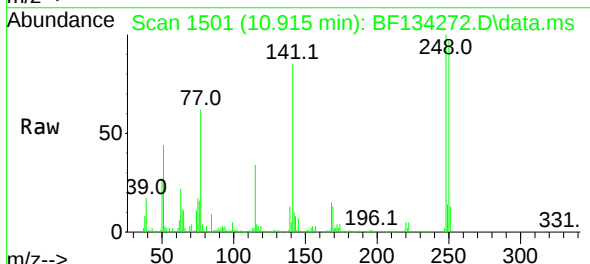
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

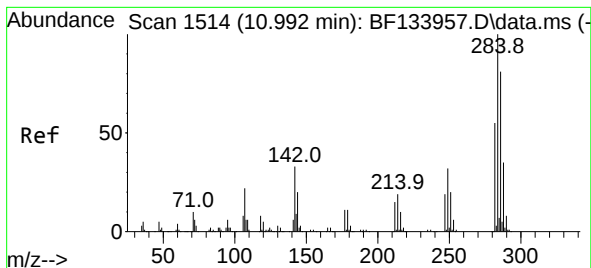
Tgt Ion:169 Resp: 403274
Ion Ratio Lower Upper
169 100
168 67.1 52.3 78.5
167 35.7 29.4 44.0



#67
4-Bromophenyl-phenylether
Concen: 187890.593 ng
RT: 10.915 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:248 Resp: 135800
Ion Ratio Lower Upper
248 100
250 97.1 76.2 114.4
141 84.9 59.0 88.4





#68

Hexachlorobenzene

Concen: 203026.084 ng

RT: 10.986 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

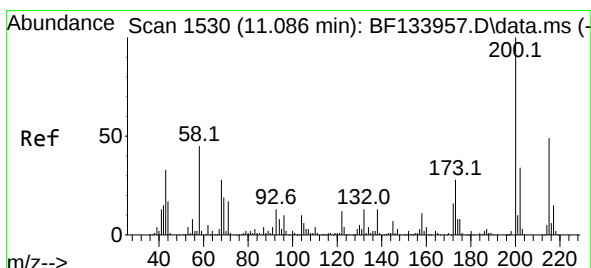
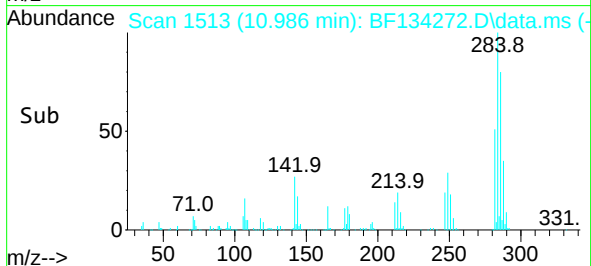
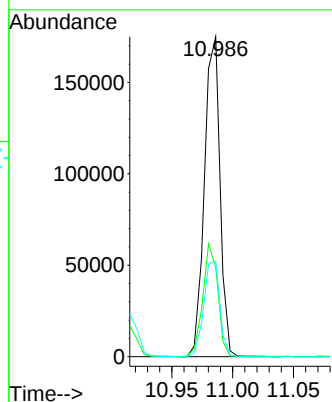
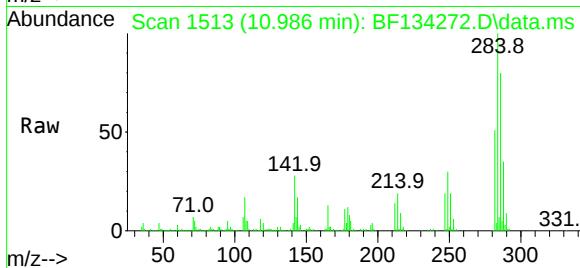
Tgt Ion:284 Resp: 155802

Ion Ratio Lower Upper

284 100

142 27.8 26.6 40.0

249 29.8 25.5 38.3



#69

Atrazine

Concen: 222211.638 ng

RT: 11.080 min Scan# 1529

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

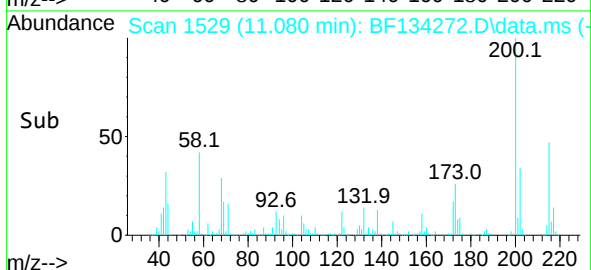
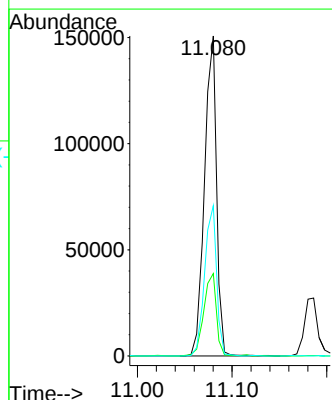
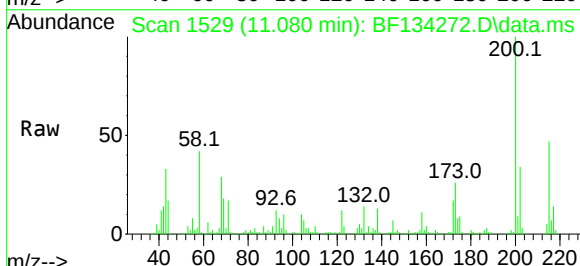
Tgt Ion:200 Resp: 133541

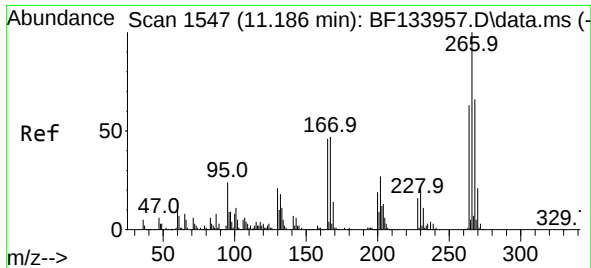
Ion Ratio Lower Upper

200 100

173 25.8 8.0 48.0

215 46.9 29.3 69.3

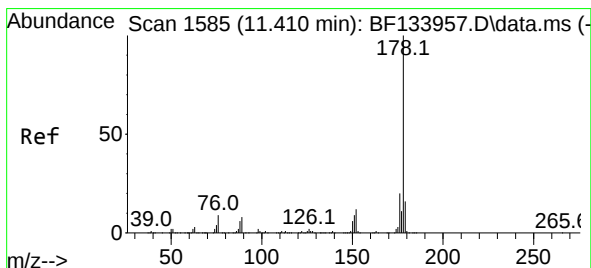
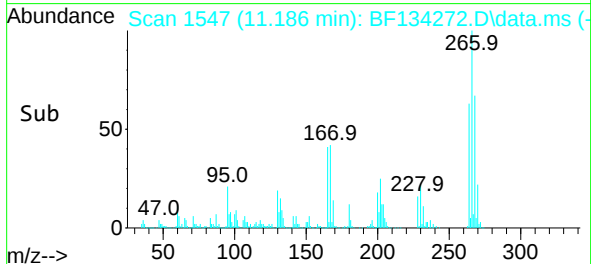
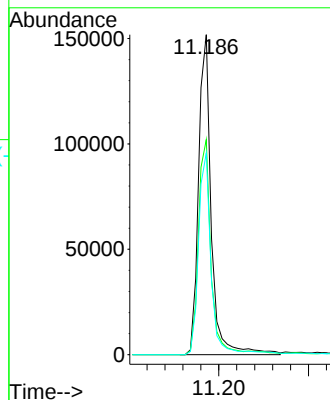
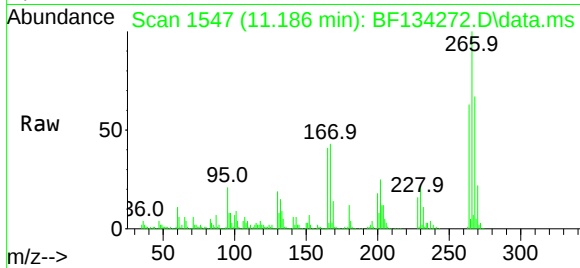




#70
 Pentachlorophenol
 Concen: 324563.060 ng
 RT: 11.186 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF134272.D
 Acq: 13 Jul 2023 20:58

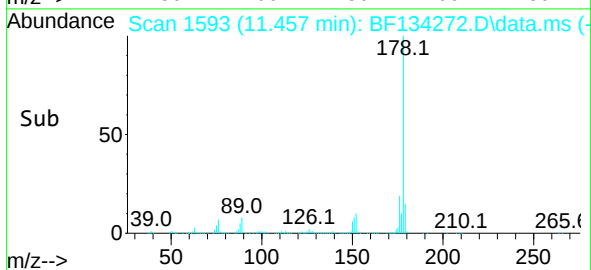
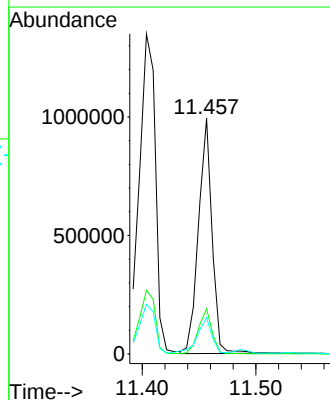
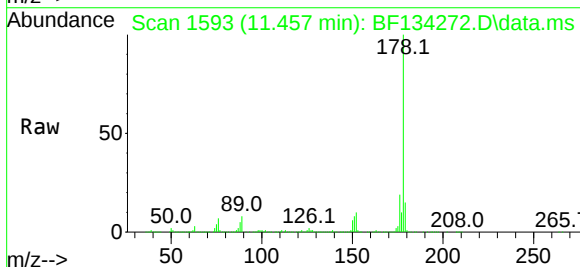
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MS

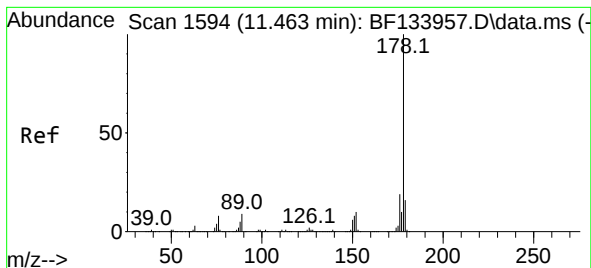
Tgt Ion:266 Resp: 148923
 Ion Ratio Lower Upper
 266 100
 268 67.2 52.6 79.0
 264 63.0 50.6 76.0



#71
 Phenanthrene
 Concen: 241462.525 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. 0.053 min
 Lab File: BF134272.D
 Acq: 13 Jul 2023 20:58

Tgt Ion:178 Resp: 826583
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.0 24.0
 179 15.5 12.4 18.6





#72

Anthracene

Concen: 232150.024 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

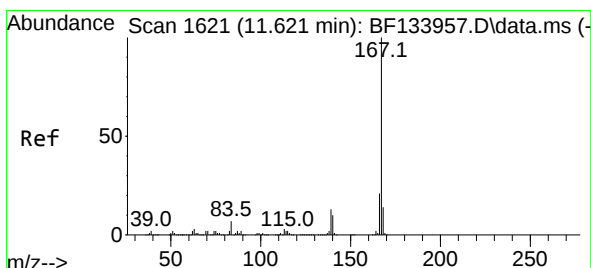
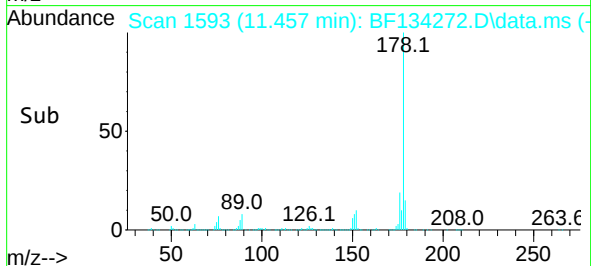
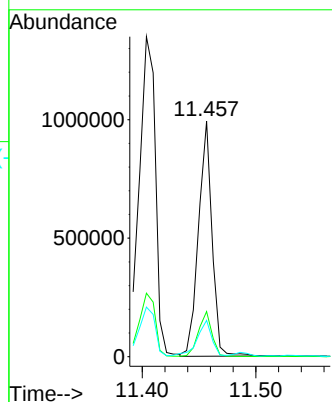
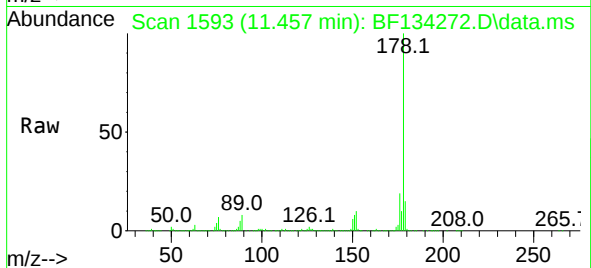
Tgt Ion:178 Resp: 826583

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.5 12.4 18.6



#73

Carbazole

Concen: 208742.824 ng

RT: 11.615 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

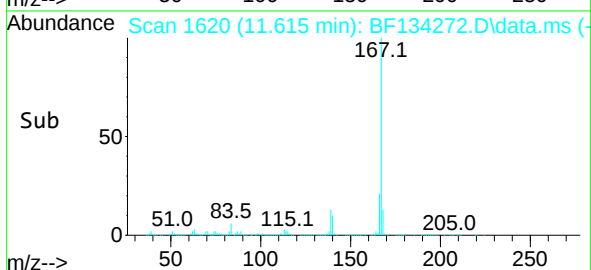
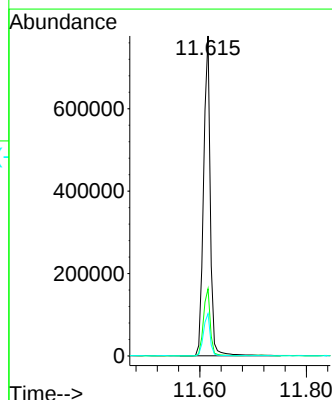
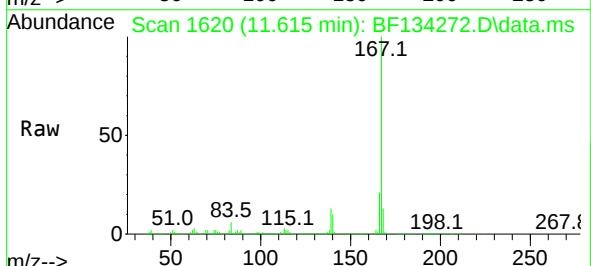
Tgt Ion:167 Resp: 680293

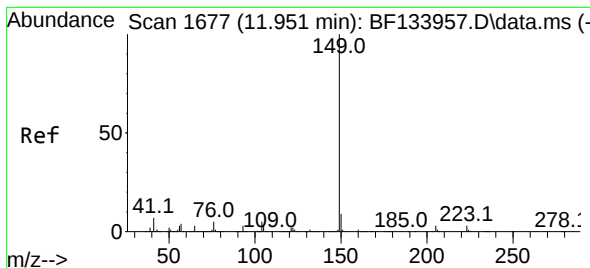
Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

139 13.3 10.4 15.6





#74

Di-n-butylphthalate

Concen: 193999.609 ng

RT: 11.939 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

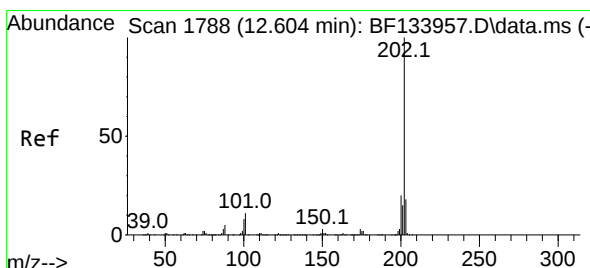
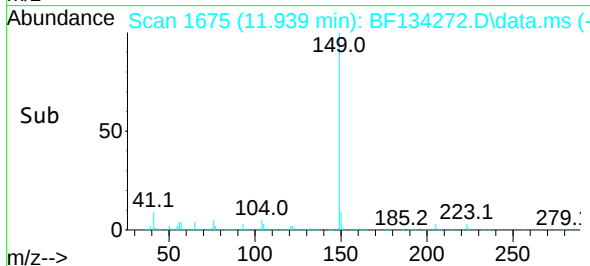
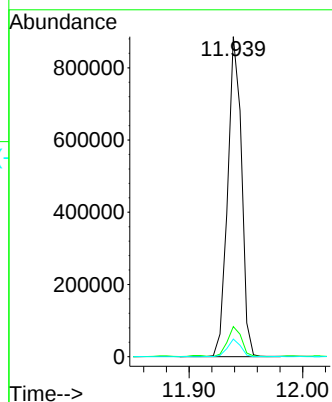
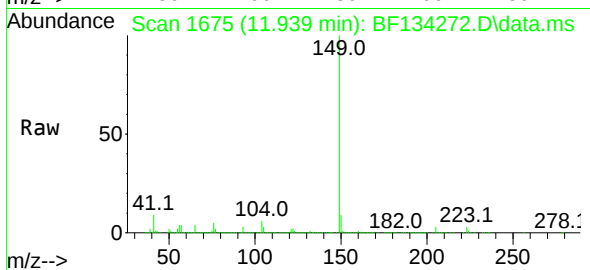
Tgt Ion:149 Resp: 751858

Ion Ratio Lower Upper

149 100

150 9.4 7.1 10.7

104 5.5 4.0 6.0



#75

Fluoranthene

Concen: 429592.662 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.235 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

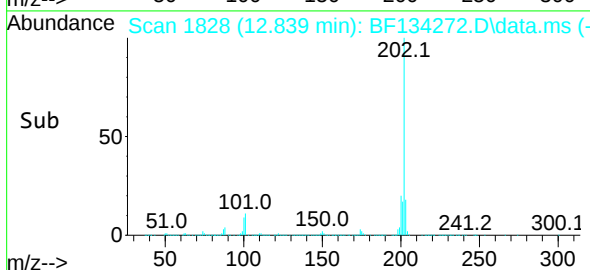
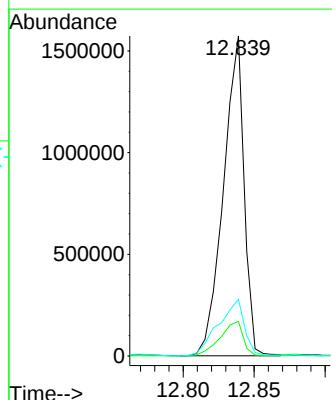
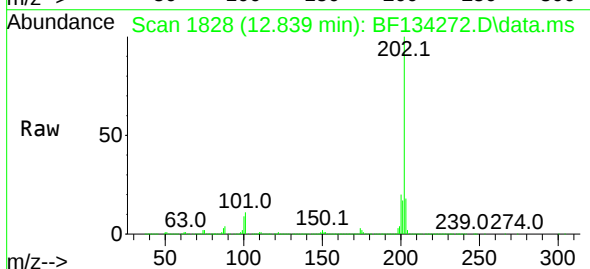
Tgt Ion:202 Resp: 1589850

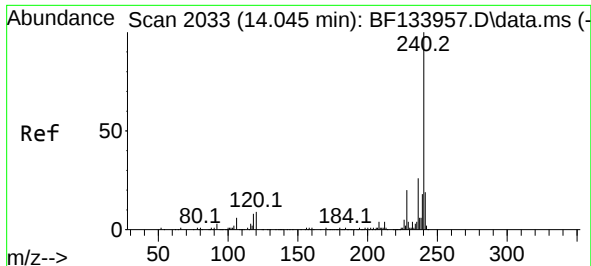
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

203 17.7 0.0 37.6

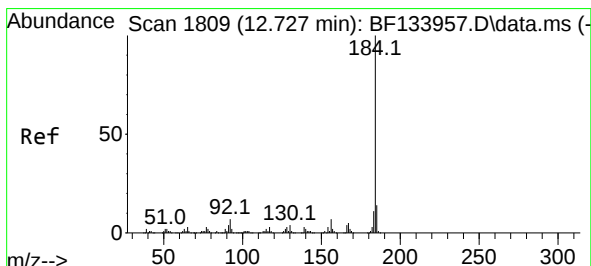
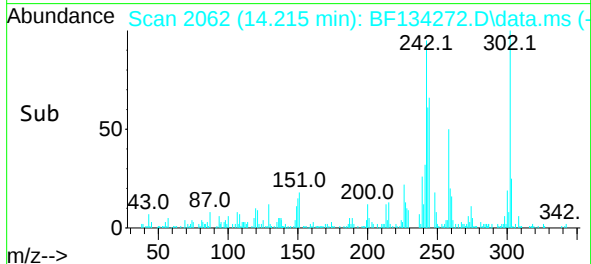
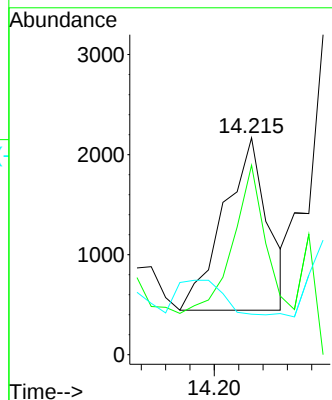
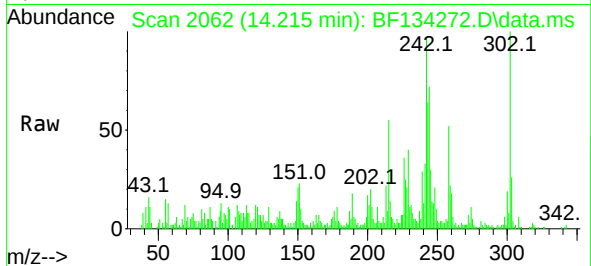




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.215 min Scan# 2033
Delta R.T. 0.176 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

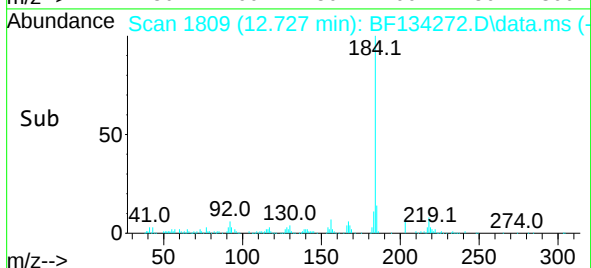
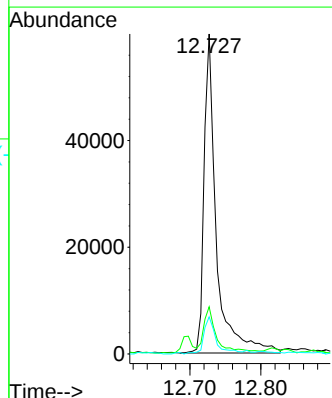
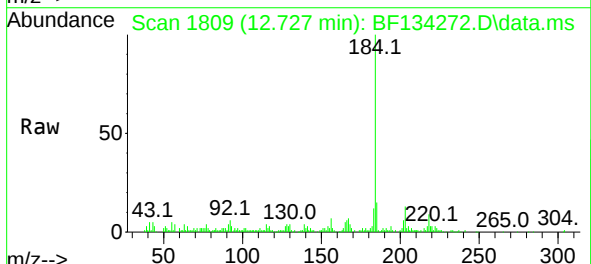
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

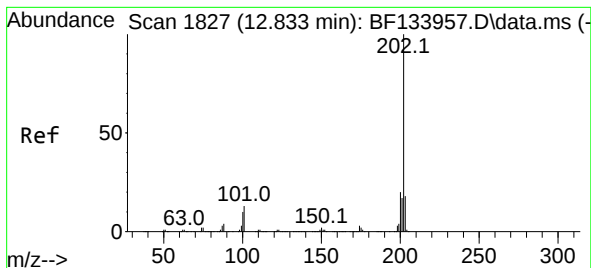
Tgt Ion:240 Resp: 2174
Ion Ratio Lower Upper
240 100
120 87.4 7.4 11.0#
236 18.7 21.0 31.6#



#77
Benzidine
Concen: 1393.051 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:184 Resp: 72061
Ion Ratio Lower Upper
184 100
185 14.7 11.6 17.4
183 11.6 8.8 13.2





#78

Pyrene

Concen: 7858.087 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

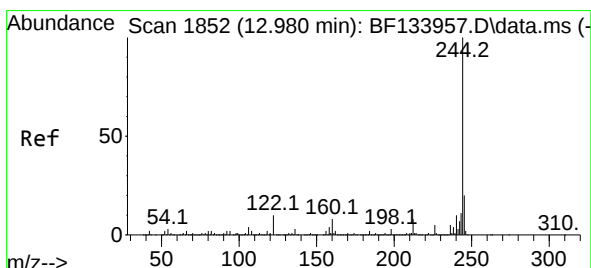
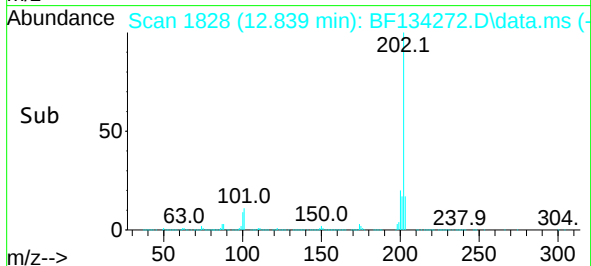
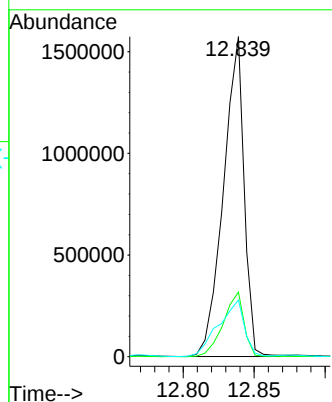
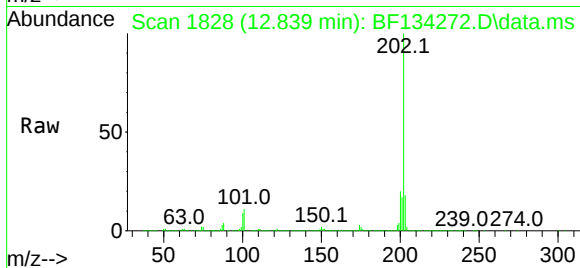
Tgt Ion:202 Resp: 1589850

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 17.7 14.3 21.5



#79

Terphenyl-d14

Concen: 5085.690 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

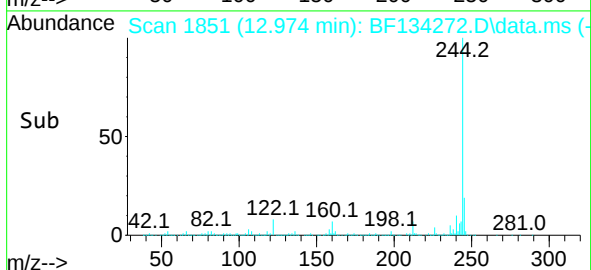
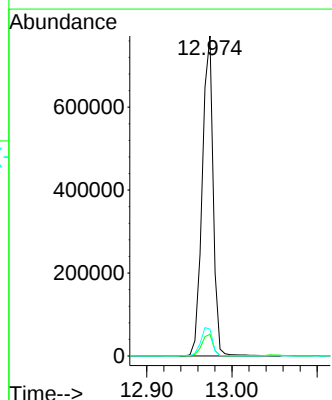
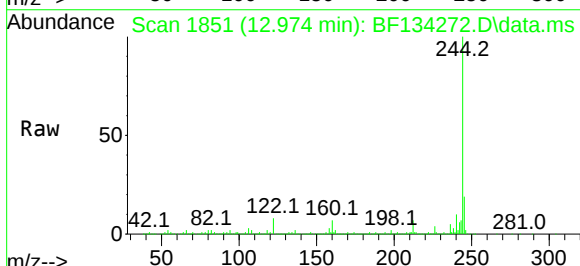
Tgt Ion:244 Resp: 686974

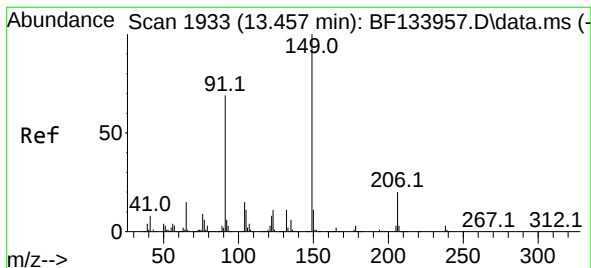
Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 8.4 8.3 12.5





#80

Butylbenzylphthalate

Concen: 3498.880 ng

RT: 13.451 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

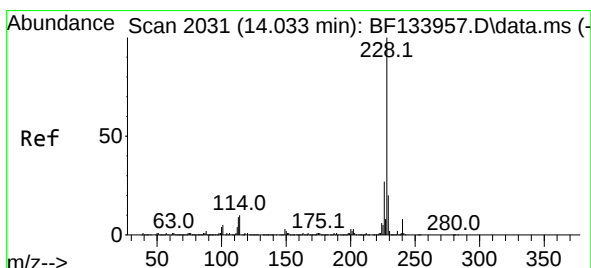
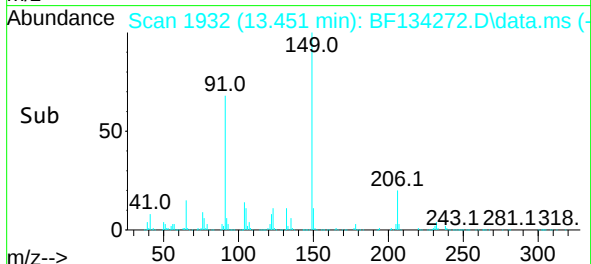
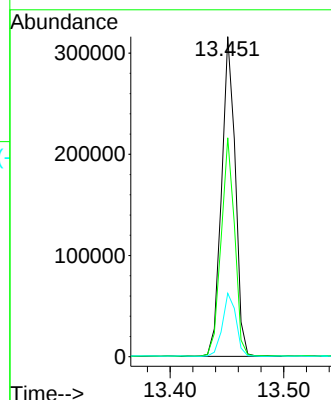
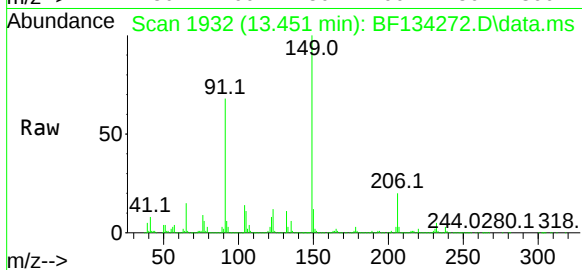
Tgt Ion:149 Resp: 265494

Ion Ratio Lower Upper

149 100

91 68.4 55.1 82.7

206 19.8 15.7 23.5



#81

Benzo(a)anthracene

Concen: 7234.609 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.041 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

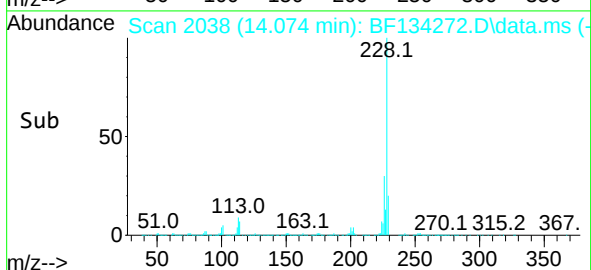
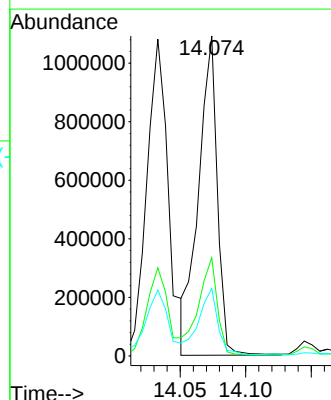
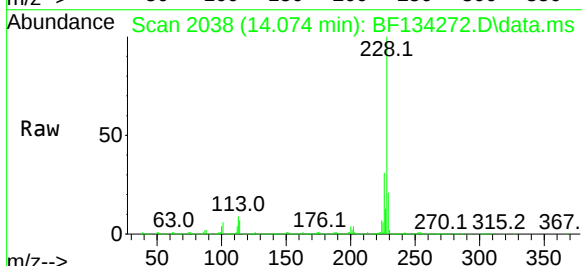
Tgt Ion:228 Resp: 1090769

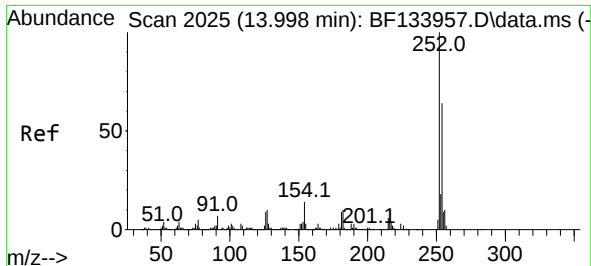
Ion Ratio Lower Upper

228 100

226 30.7 22.0 33.0

229 21.1 16.3 24.5

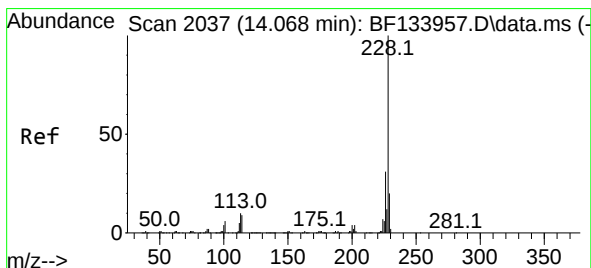
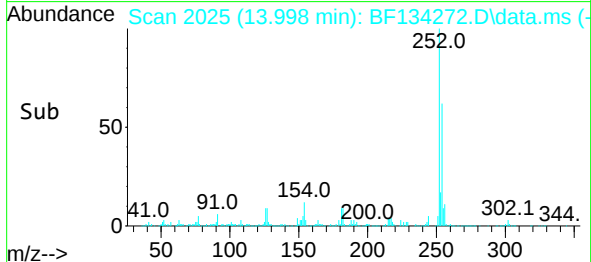
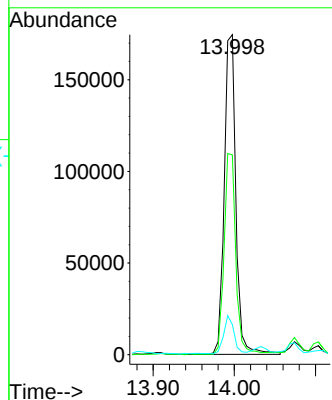
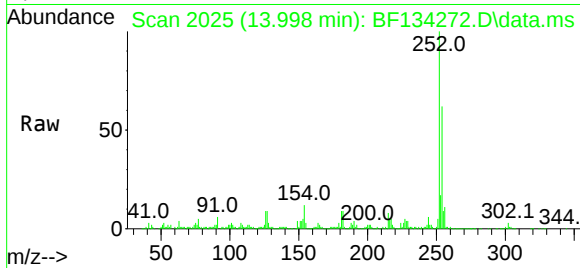




#82
3,3'-Dichlorobenzidine
Concen: 3655.177 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

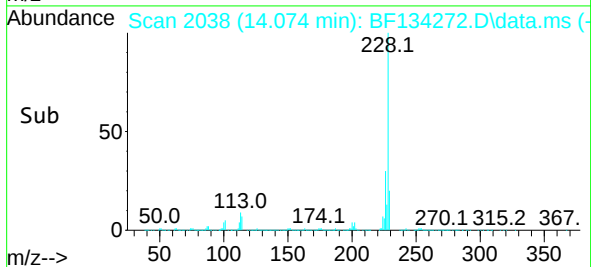
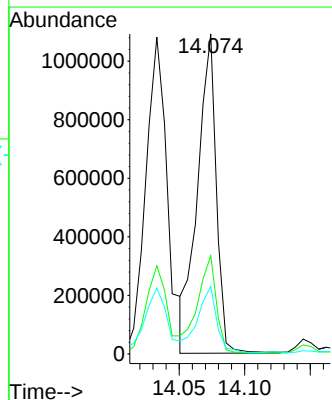
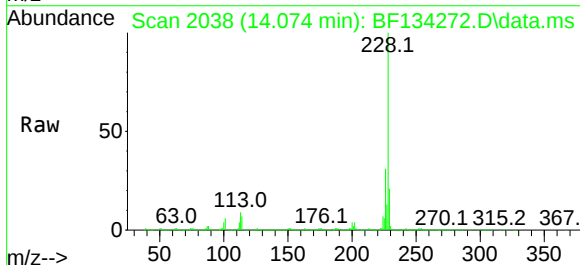
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

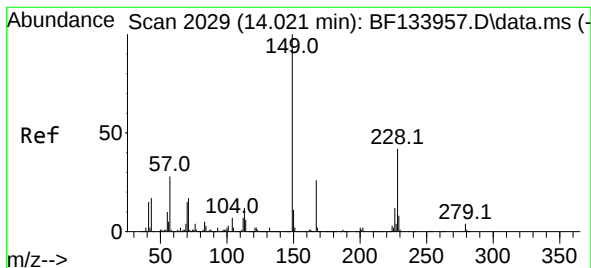
Tgt Ion:252 Resp: 174598
Ion Ratio Lower Upper
252 100
254 62.4 51.4 77.0
126 9.4 7.4 11.2



#83
Chrysene
Concen: 7469.413 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:228 Resp: 1090769
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 21.1 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 4038.648 ng

RT: 14.015 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

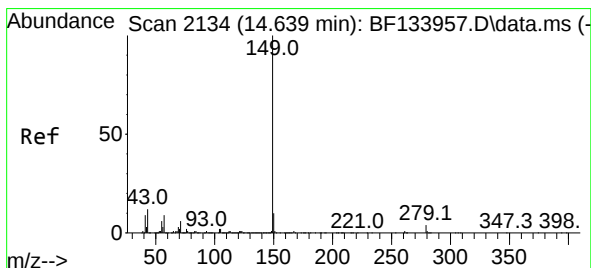
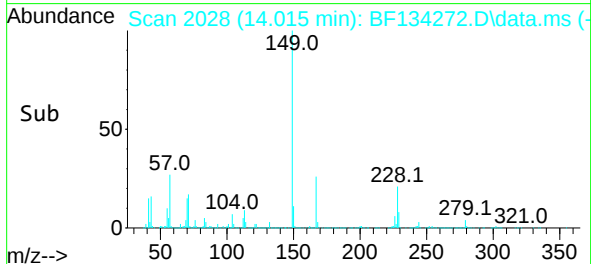
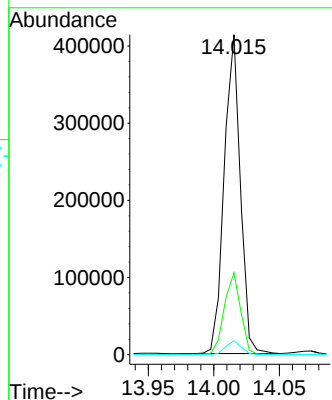
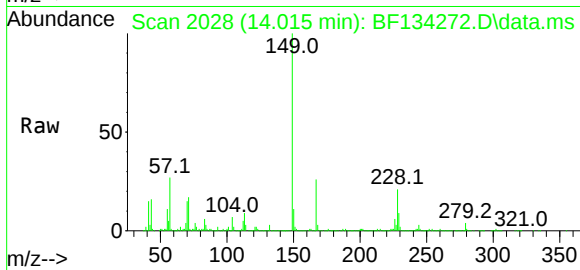
Tgt Ion:149 Resp: 352130

Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.4

279 4.4 3.3 4.9



#85

Di-n-octyl phthalate

Concen: 307.164 ng

RT: 14.803 min Scan# 2162

Delta R.T. 0.164 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

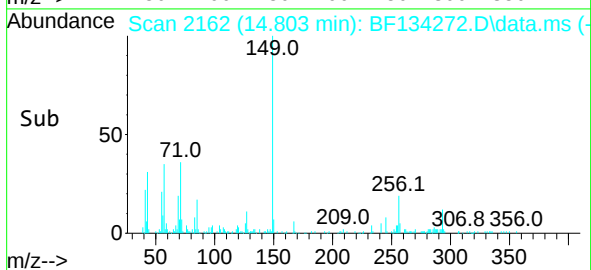
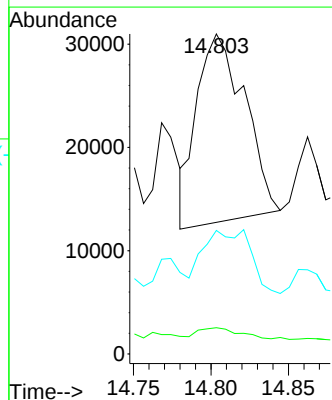
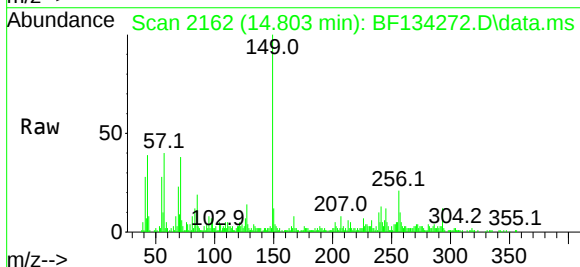
Tgt Ion:149 Resp: 39352

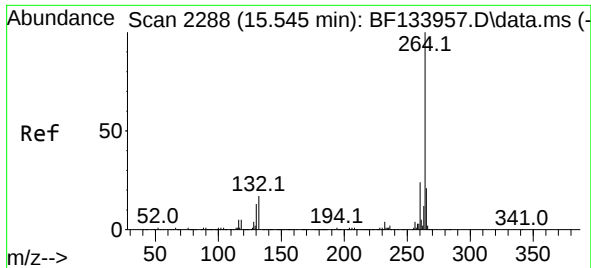
Ion Ratio Lower Upper

149 100

167 5.2 1.3 1.9#

43 33.4 9.0 13.4#

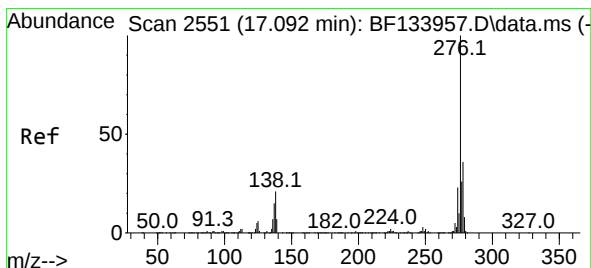
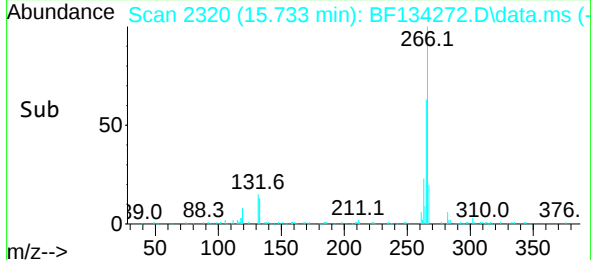
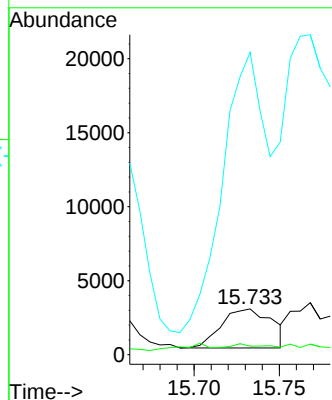
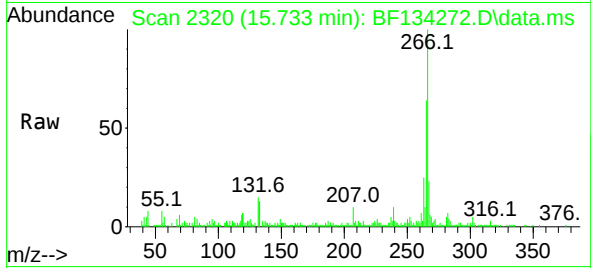




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.733 min Scan# 21
Delta R.T. 0.188 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

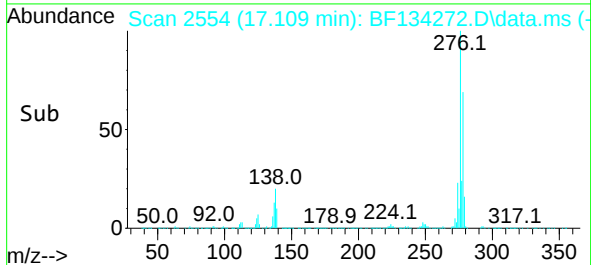
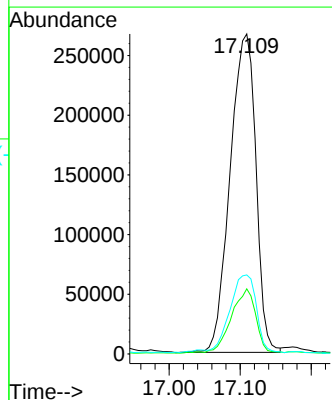
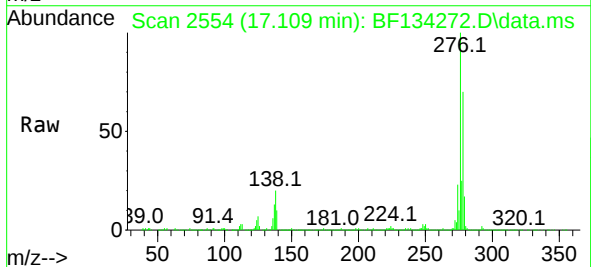
Instrument :
BNA_F
ClientSampleId :
VNJ-225MS

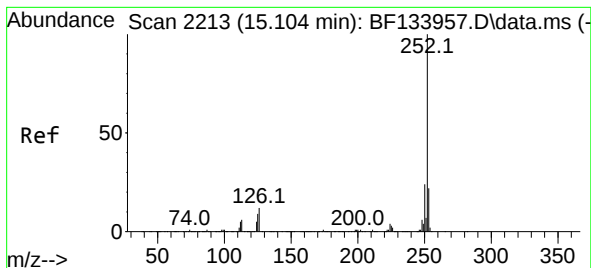
Tgt Ion:264 Resp: 5482
Ion Ratio Lower Upper
264 100
260 18.3 19.5 29.3#
265 660.2 16.6 25.0#



#87
Indeno(1,2,3-cd)pyrene
Concen: 1772.699 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BF134272.D
Acq: 13 Jul 2023 20:58

Tgt Ion:276 Resp: 674328
Ion Ratio Lower Upper
276 100
138 19.3 18.7 28.1
277 25.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 279.954 ng

RT: 15.215 min Scan# 21

Delta R.T. 0.112 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

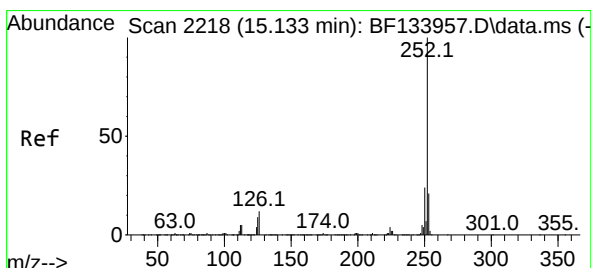
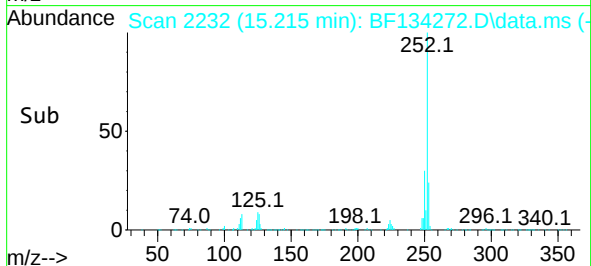
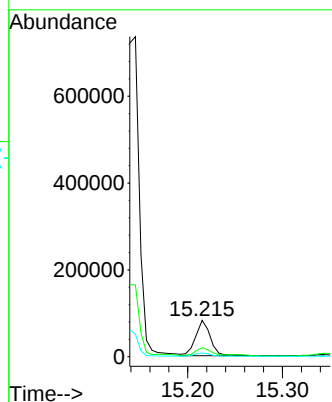
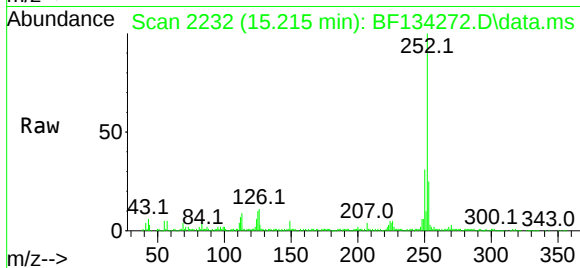
Tgt Ion:252 Resp: 90242

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

125 10.1 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 274.962 ng

RT: 15.215 min Scan# 2232

Delta R.T. 0.082 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

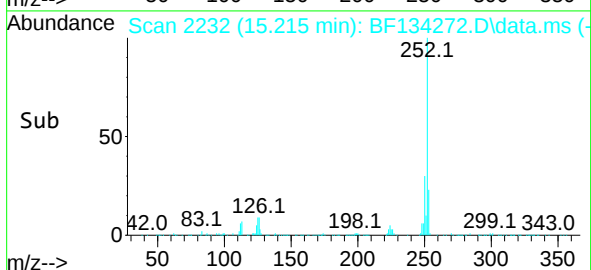
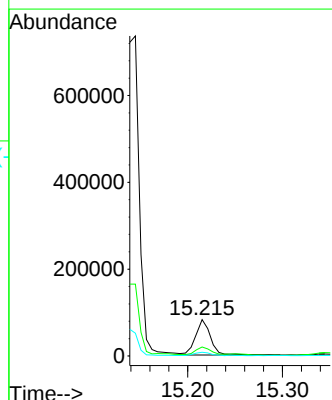
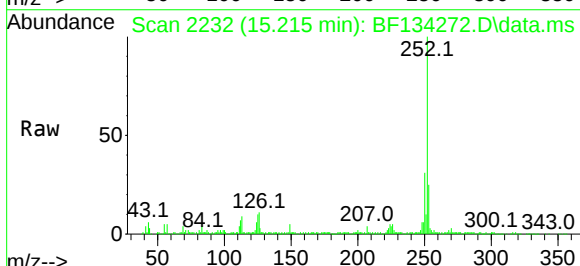
Tgt Ion:252 Resp: 90242

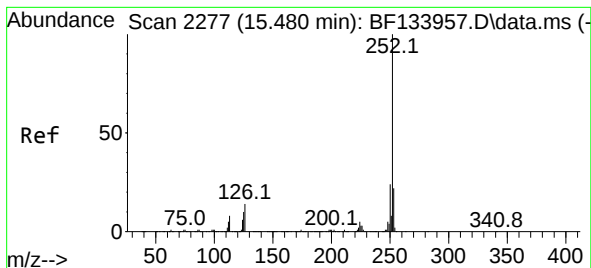
Ion Ratio Lower Upper

252 100

253 24.9 16.9 25.3

125 10.1 7.4 11.2





#90

Benzo(a)pyrene

Concen: 2797.085 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS

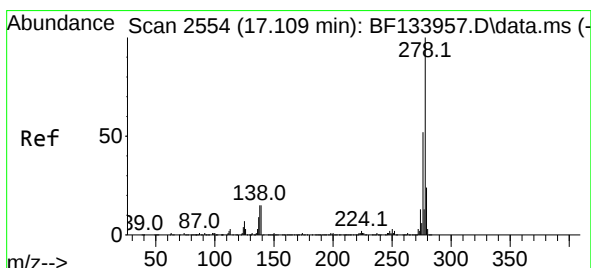
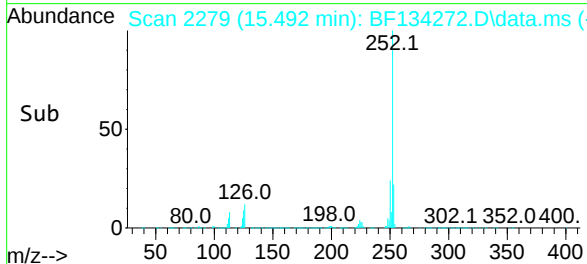
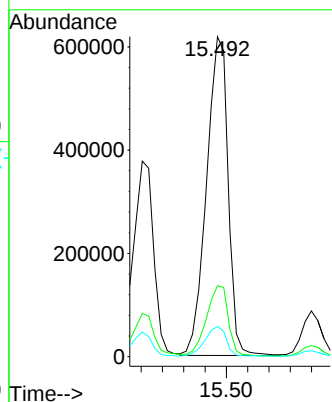
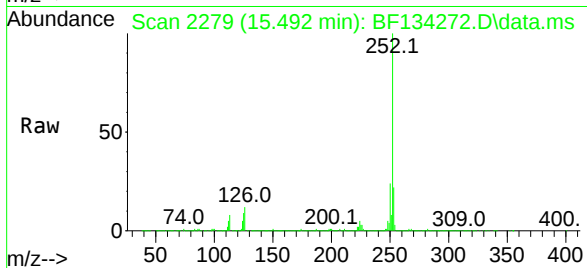
Tgt Ion:252 Resp: 871865

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 9.4 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 149.609 ng

RT: 17.344 min Scan# 2594

Delta R.T. 0.229 min

Lab File: BF134272.D

Acq: 13 Jul 2023 20:58

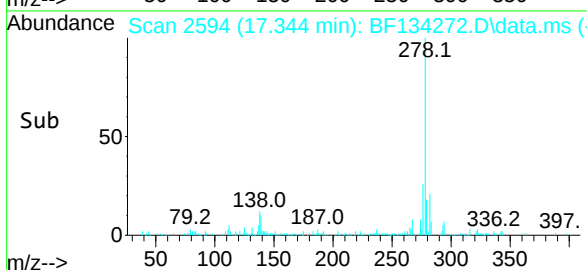
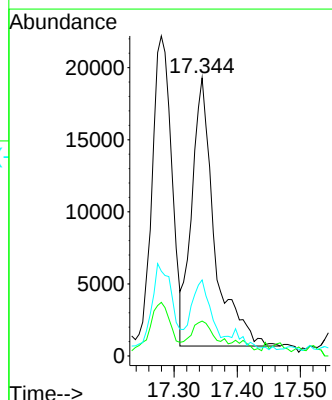
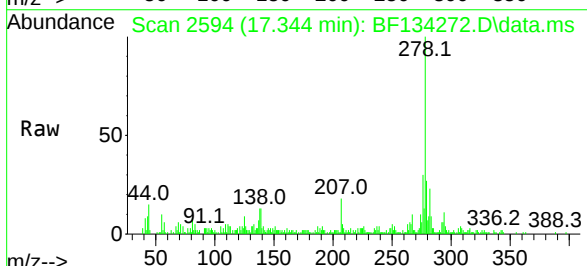
Tgt Ion:278 Resp: 46484

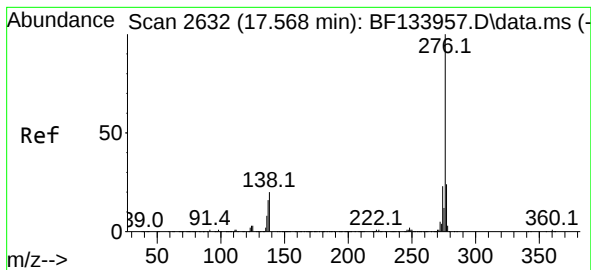
Ion Ratio Lower Upper

278 100

139 15.5 12.2 18.4

279 27.3 19.4 29.2





#92

Benzo(g,h,i)perylene

Concen: 67.960 ng

RT: 17.815 min Scan# 20

Delta R.T. 0.247 min

Lab File: BF134272.D

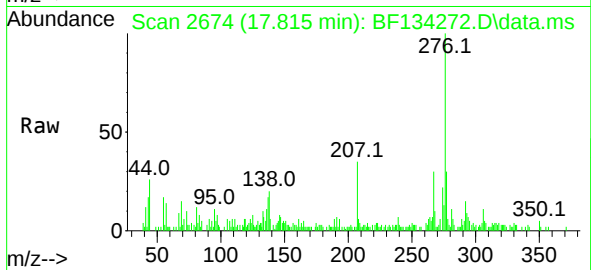
Acq: 13 Jul 2023 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-225MS



Tgt Ion:276 Resp: 21775

Ion Ratio Lower Upper

276 100

277 30.0 19.0 28.6#

138 26.1 16.2 24.2#

