

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134273.D
 Acq On : 13 Jul 2023 21:34
 Operator : CG\JU
 Sample : 03564-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MSD

Quant Time: Jul 14 01:48:07 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	8.187	136	1049	20.000	ng	# 0.06
39) Acenaphthene-d10	9.975	164	373	20.000	ng	# 0.09
64) Phenanthrene-d10	11.433	188	397	20.000	ng	# 0.05
76) Chrysene-d12	14.127	240	538	20.000	ng	# 0.09
86) Perylene-d12	15.604	264	6719	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	440782	0.000	ng	0.00
7) Phenol-d6	6.487	99	530224	0.000	ng	0.00
23) Nitrobenzene-d5	7.404	82	349951	17983.067	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	183240	39181.688	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	637038	24830.697	ng	0.00
79) Terphenyl-d14	12.974	244	716469	21433.064	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	7.251	105	315223	13213.065	ng	98
24) Nitrobenzene	7.428	77	245748	12496.805	ng	98
25) Isophorone	7.663	82	430082	12160.482	ng	99
26) 2-Nitrophenol	7.739	139	124913	13241.337	ng	93
27) 2,4-Dimethylphenol	7.781	122	196105	13132.686	ng	96
28) bis(2-Chloroethoxy)met...	7.875	93	248194	12119.593	ng	98
29) 2,4-Dichlorophenol	7.987	162	189385	12789.904	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	199169	13035.613	ng	98
31) Naphthalene	8.145	128	642785	12685.711	ng	100
32) Benzoic acid	7.904	122	145400	12994.357	ng	88
33) 4-Chloroaniline	8.198	127	157042	7245.406	ng	99
34) Hexachlorobutadiene	8.257	225	128195	13301.010	ng	99
35) Caprolactam	8.575	113	54377	11153.041	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	215930	12980.768	ng	96
37) 2-Methylnaphthalene	8.934	142	400536	11178.261	ng	97
38) 1-Methylnaphthalene	8.934	142	400536	12024.236	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	205188	18567.842	ng	99
41) Hexachlorocyclopentadiene	8.986	237	117286	22371.426	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	143595	19088.235	ng	97
44) 2,4,5-Trichlorophenol	9.163	196	143595	16227.665	ng	96
46) 1,1'-Biphenyl	9.304	154	537606	17967.687	ng	97
47) 2-Chloronaphthalene	9.328	162	398285	18193.248	ng	97
48) 2-Nitroaniline	9.428	65	142533	17864.736	ng	98
49) Acenaphthylene	9.745	152	673797	18017.462	ng	99
50) Dimethylphthalate	9.604	163	476903	17613.392	ng	100
51) 2,6-Dinitrotoluene	9.669	165	106855	18322.980	ng	# 88
52) Acenaphthene	9.916	154	430883	19856.607	ng	97
53) 3-Nitroaniline	9.845	138	103360	14773.761	ng	96
54) 2,4-Dinitrophenol	9.957	184	97198	27470.214	ng	97
55) Dibenzofuran	10.092	168	640315	18880.967	ng	99
56) 4-Nitrophenol	10.016	139	173864	35527.850	ng	95
57) 2,4-Dinitrotoluene	10.081	165	140833	18286.212	ng	88
58) Fluorene	10.433	166	552076	20924.545	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	118437	16968.278	ng	93
60) Diethylphthalate	10.310	149	497964	17652.552	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	226997	17852.779	ng	96

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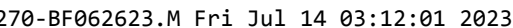
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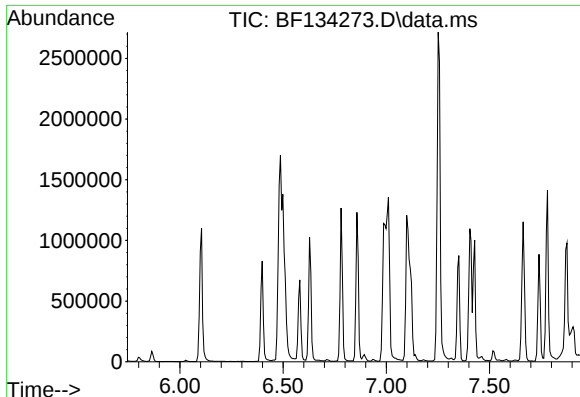
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Nitroaniline	10.463	138	114446	16231.874	ng	95
63) Azobenzene	10.586	77	509947	19110.884	ng	98
65) 4,6-Dinitro-2-methylph...	10.492	198	66027	30505.652	ng	91
66) n-Nitrosodiphenylamine	10.545	169	417145	32886.770	ng	98
67) 4-Bromophenyl-phenylether	10.916	248	138563	32837.565	ng	92
68) Hexachlorobenzene	10.986	284	165438	36926.019	ng	92
69) Atrazine	11.080	200	138699	39531.556	ng	95
70) Pentachlorophenol	11.186	266	162092	60508.627	ng	97
71) Phenanthrene	11.457	178	866201	43341.143	ng	99
72) Anthracene	11.457	178	866201	41669.602	ng	100
73) Carbazole	11.616	167	699344	36755.710	ng	99
74) Di-n-butylphthalate	11.939	149	783706	34636.708	ng	99
75) Fluoranthene	12.610	202	1879888	87006.377	ng	97
77) Benzidine	12.727	184	88632	6923.643	ng	99
78) Pyrene	12.839	202	1659140	33137.593	ng	99
80) Butylbenzylphthalate	13.451	149	280395	14932.135	ng	98
81) Benzo(a)anthracene	14.074	228	1121413	30055.582	ng	96
82) 3,3'-Dichlorobenzidine	13.998	252	180670	15283.840	ng	99
83) Chrysene	14.074	228	1121413	31031.053	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	369246	17112.995	ng	100
85) Di-n-octyl phthalate	14.639	149	638621	20142.963	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	672769	1442.993	ng	96
88) Benzo(b)fluoranthene	15.145	252	618491	1565.473	ng	98
89) Benzo(k)fluoranthene	15.115	252	1394202	3465.966	ng	98
90) Benzo(a)pyrene	15.492	252	845356	2212.740	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	411956	1081.780	ng	97
92) Benzo(g,h,i)perylene	17.580	276	559187	1423.922	ng	97

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

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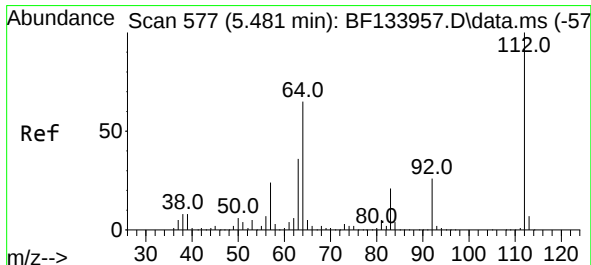
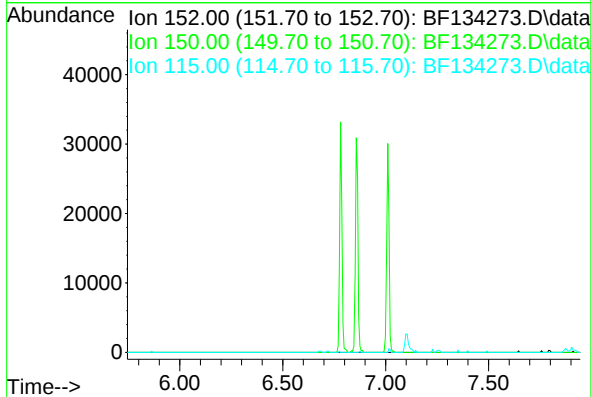




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

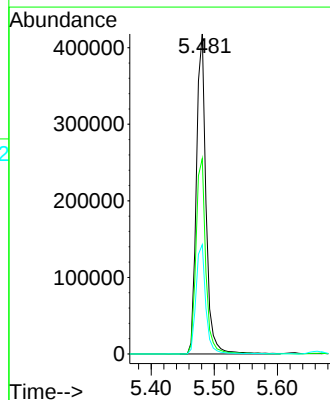
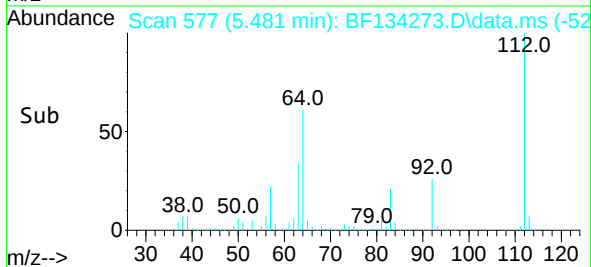
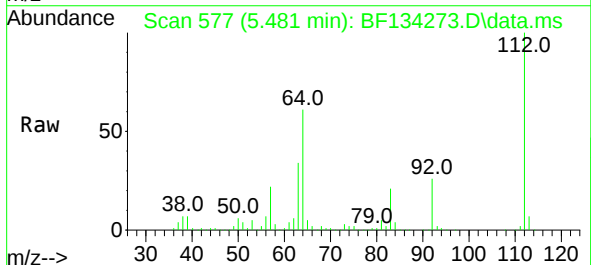
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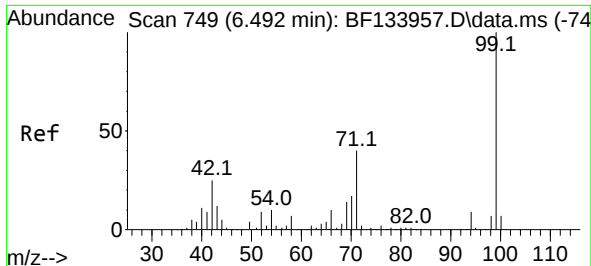
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 155.6
 115 62.7



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.481 min Scan# 577
 Delta R.T. 0.006 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

Tgt Ion: 112 Resp: 440782
 Ion Ratio Lower Upper
 112 100
 64 61.0 52.1 78.1
 63 34.1 28.6 42.8

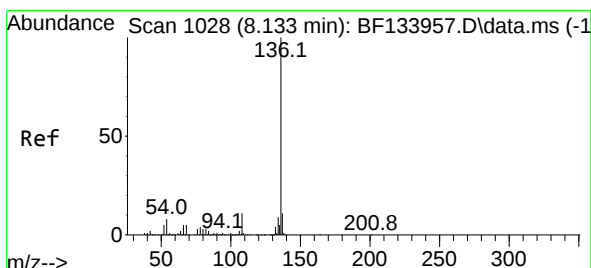
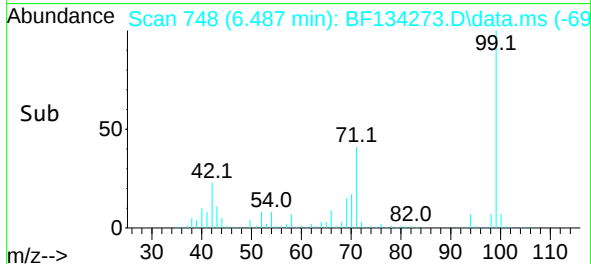
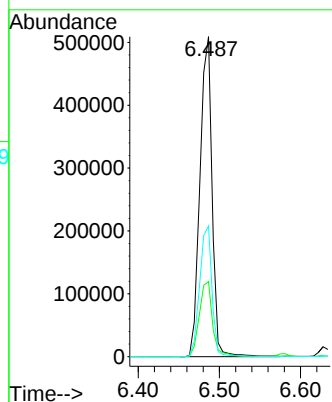
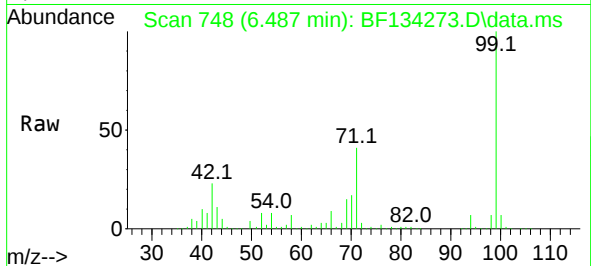




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

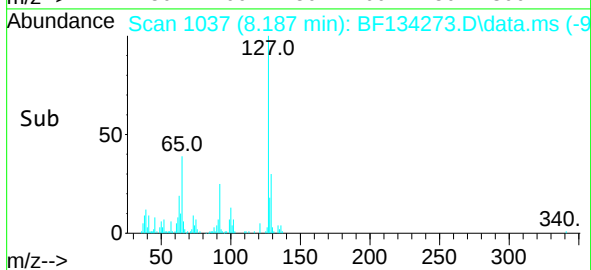
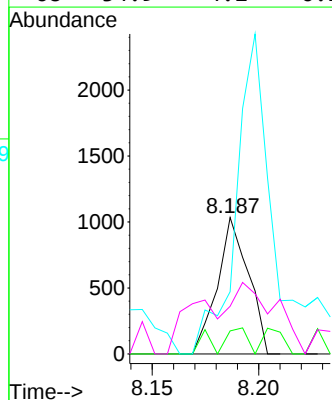
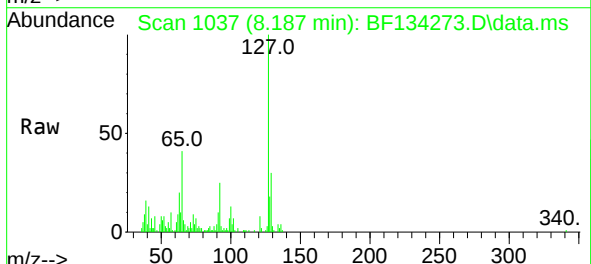
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ClientSampleId :
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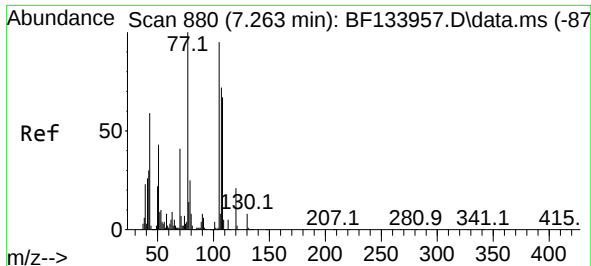
Tgt Ion: 99 Resp: 530224
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 40.8 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.059 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion: 136 Resp: 1049
Ion Ratio Lower Upper
136 100
137 16.9 8.6 12.8#
54 45.6 6.5 9.7#
68 34.9 4.2 6.2#

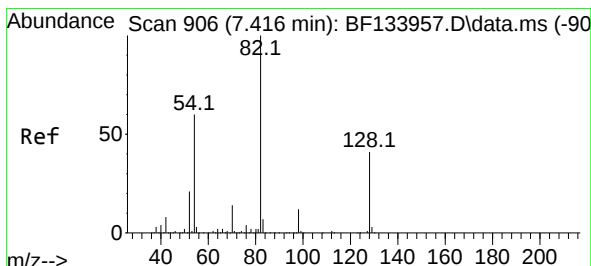
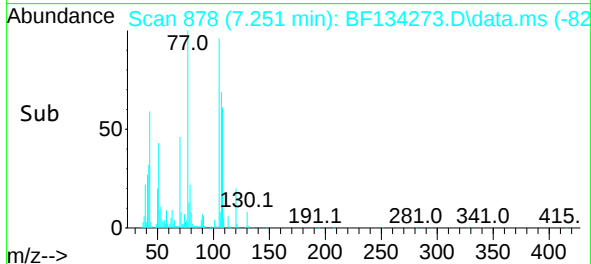
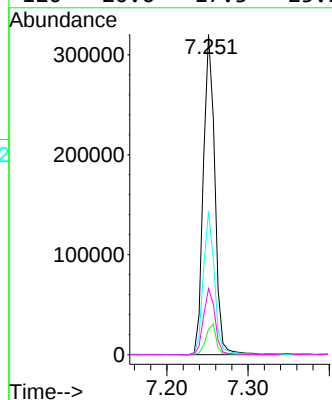
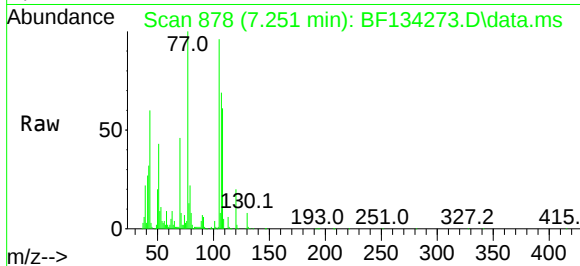




#22
Acetophenone
Concen: 13213.065 ng
RT: 7.251 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

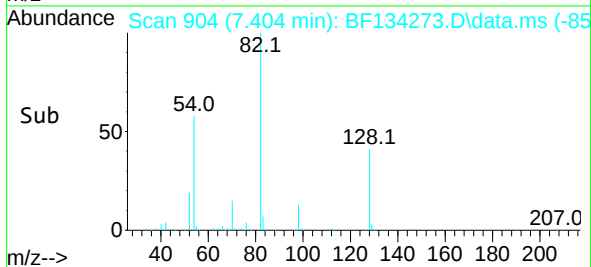
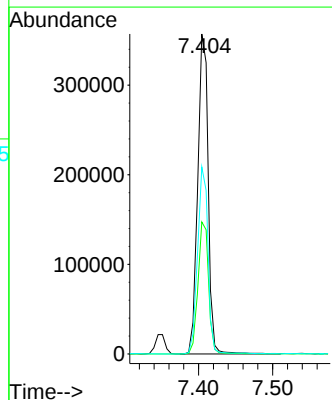
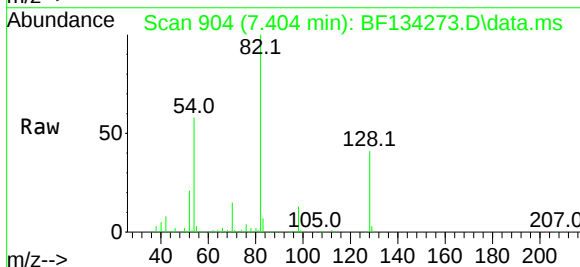
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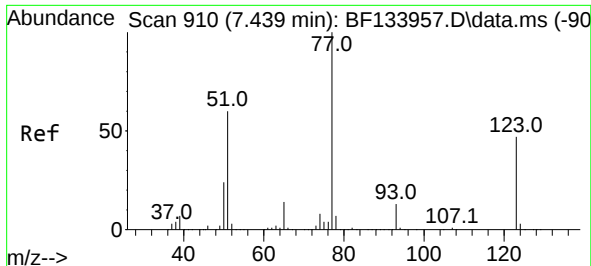
Tgt Ion:105 Resp: 315223
Ion Ratio Lower Upper
105 100
71 8.0 5.5 8.3
51 44.7 36.5 54.7
120 20.6 17.3 25.9



#23
Nitrobenzene-d5
Concen: 17983.067 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion: 82 Resp: 349951
Ion Ratio Lower Upper
82 100
128 41.3 32.5 48.7
54 58.4 48.2 72.2

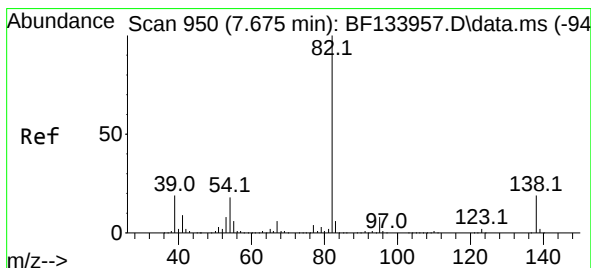
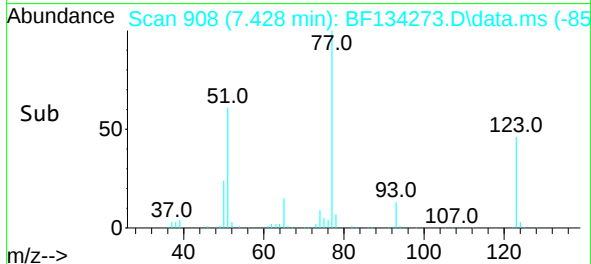
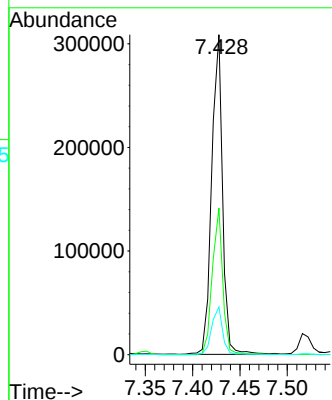
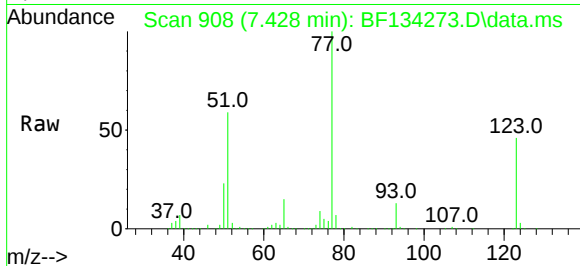




#24
Nitrobenzene
Concen: 12496.805 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

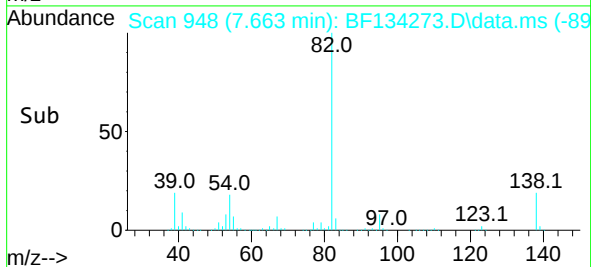
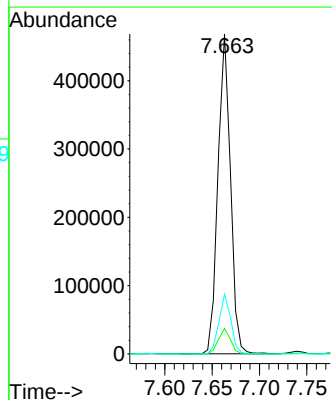
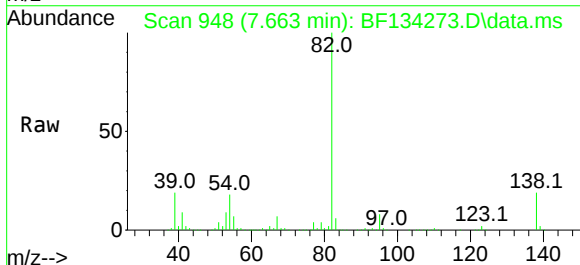
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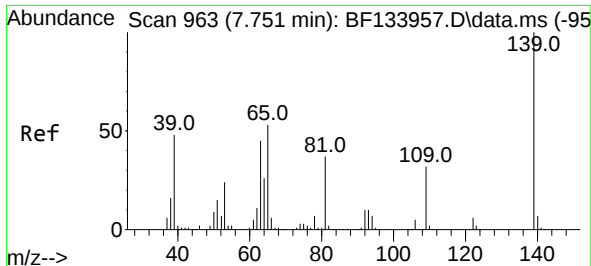
Tgt Ion: 77 Resp: 245748
Ion Ratio Lower Upper
77 100
123 45.8 37.8 56.6
65 14.9 11.3 16.9



#25
Isophorone
Concen: 12160.482 ng
RT: 7.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion: 82 Resp: 430082
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 18.7 15.2 22.8

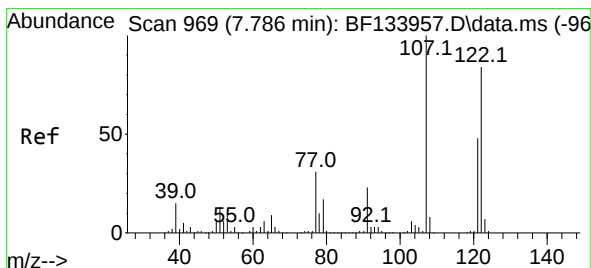
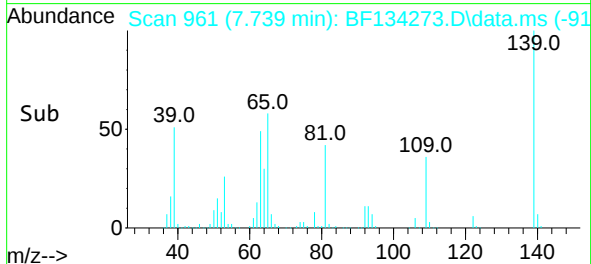
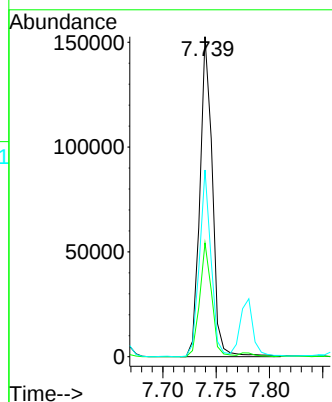
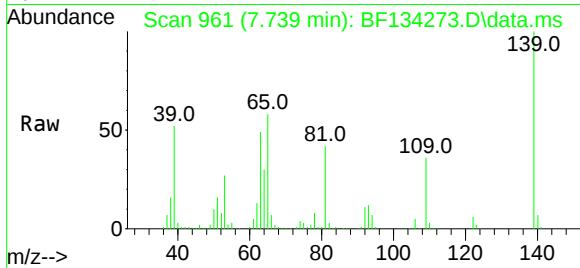




#26
2-Nitrophenol
Concen: 13241.337 ng
RT: 7.739 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

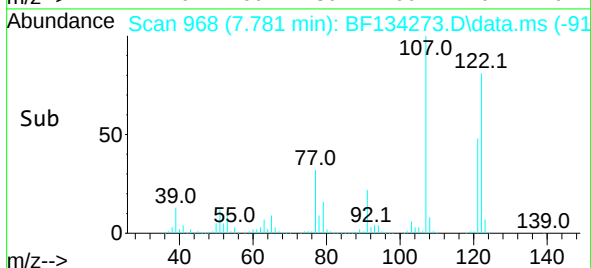
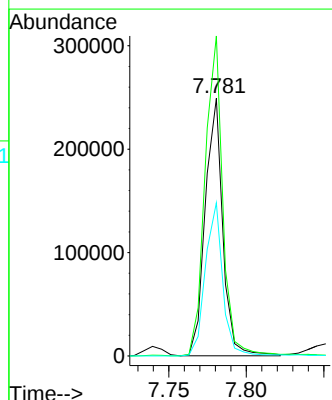
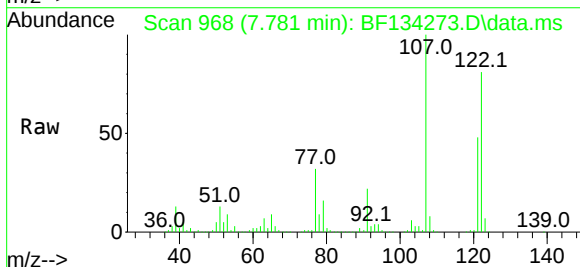
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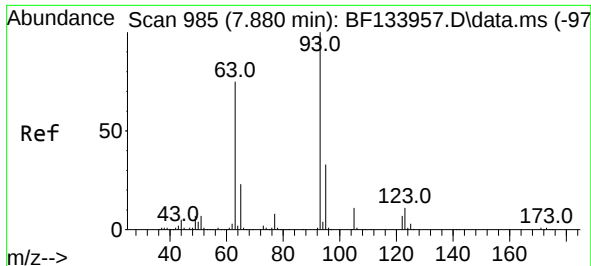
Tgt Ion:139 Resp: 124913
Ion Ratio Lower Upper
139 100
109 35.5 25.8 38.8
65 58.4 42.4 63.6



#27
2,4-Dimethylphenol
Concen: 13132.686 ng
RT: 7.781 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:122 Resp: 196105
Ion Ratio Lower Upper
122 100
107 124.2 95.5 143.3
121 59.5 45.5 68.3

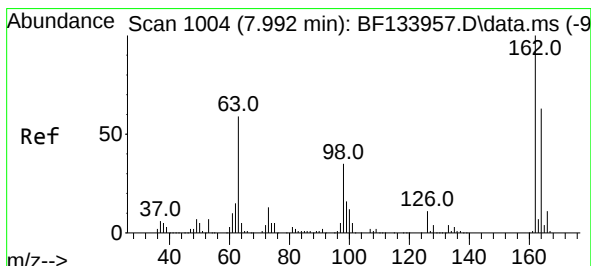
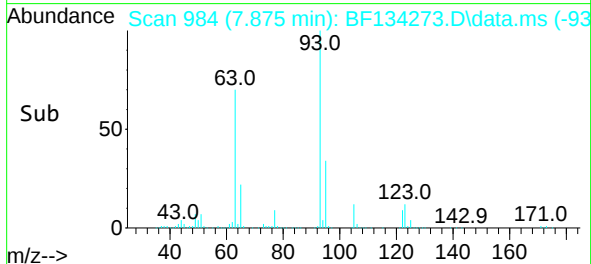
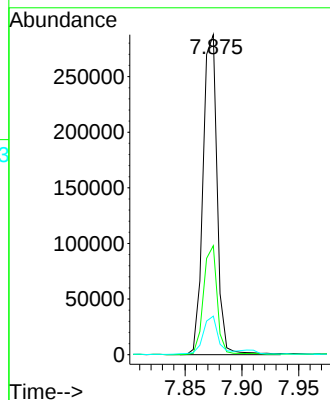
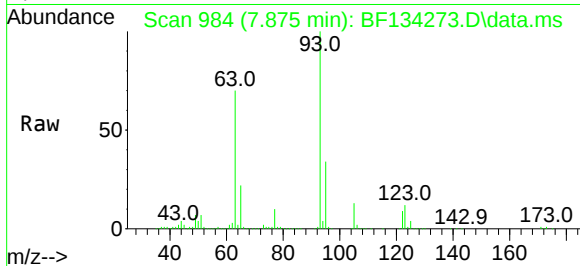




#28
bis(2-Chloroethoxy)methane
Concen: 12119.593 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

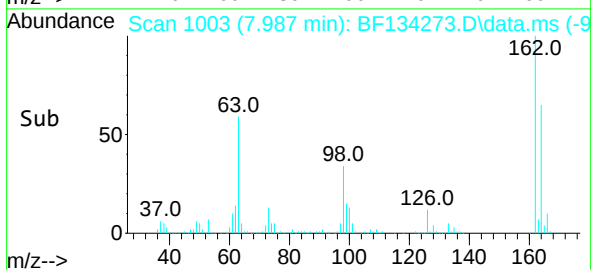
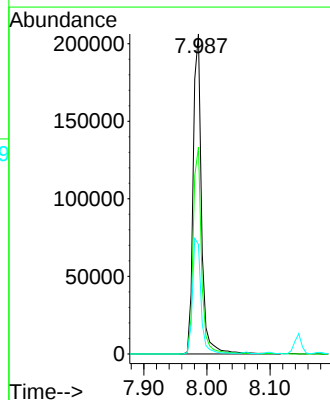
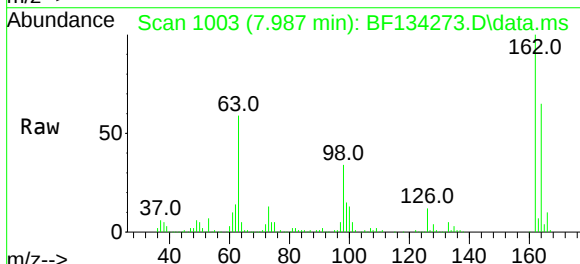
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ClientSampleId :
VNJ-225MSD

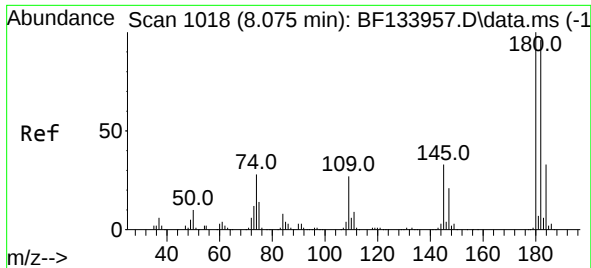
Tgt Ion: 93 Resp: 248194
Ion Ratio Lower Upper
93 100
95 34.1 26.5 39.7
123 12.1 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 12789.904 ng
RT: 7.987 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion: 162 Resp: 189385
Ion Ratio Lower Upper
162 100
164 64.5 43.2 83.2
98 34.3 14.9 54.9

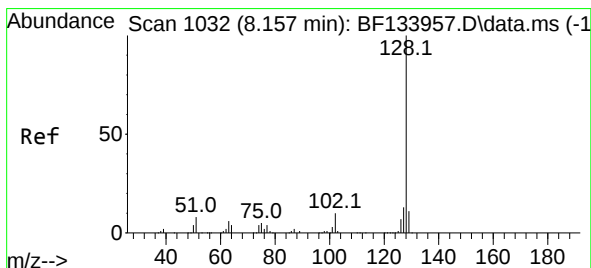
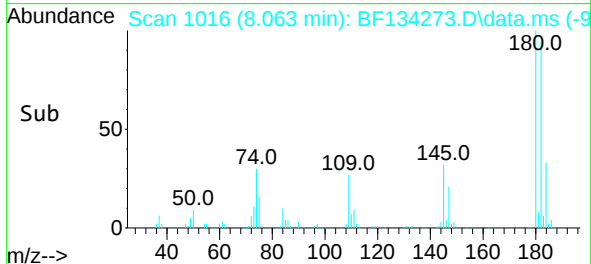
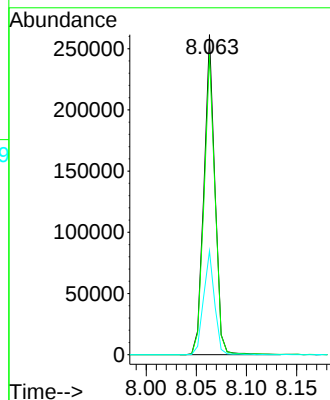
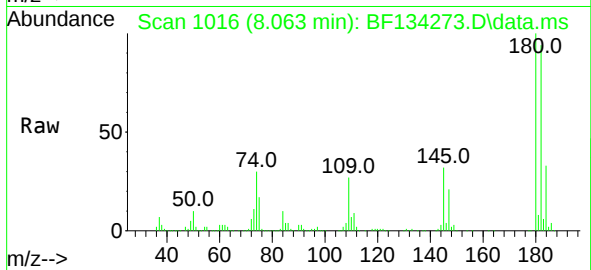




#30
1,2,4-Trichlorobenzene
Concen: 13035.613 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

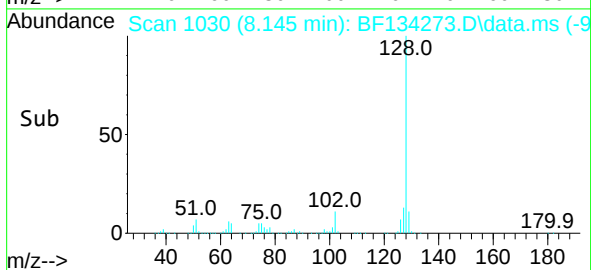
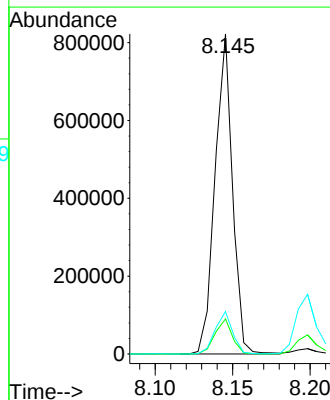
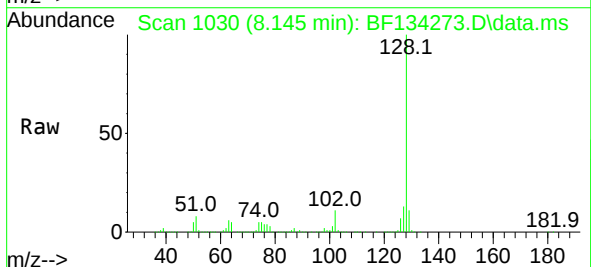
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

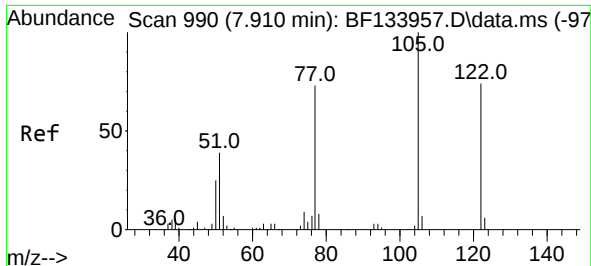
Tgt Ion:180 Resp: 199169
Ion Ratio Lower Upper
180 100
182 93.9 77.1 115.7
145 32.4 26.0 39.0



#31
Naphthalene
Concen: 12685.711 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:128 Resp: 642785
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.3 10.6 15.8

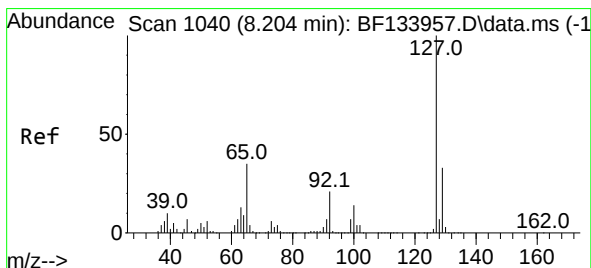
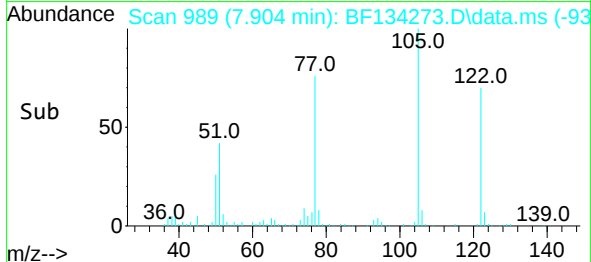
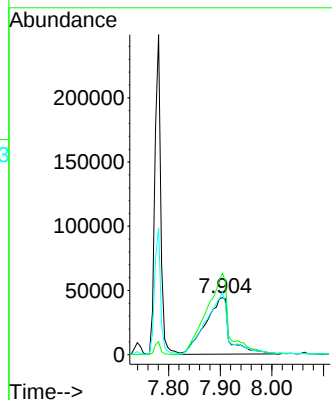
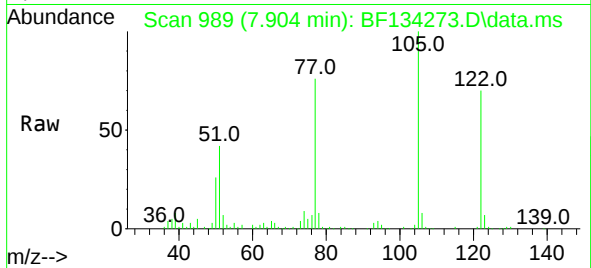




#32
Benzoic acid
Concen: 12994.357 ng
RT: 7.904 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

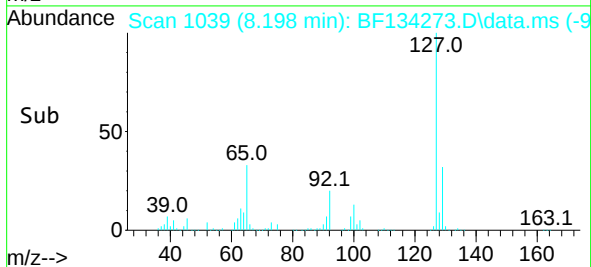
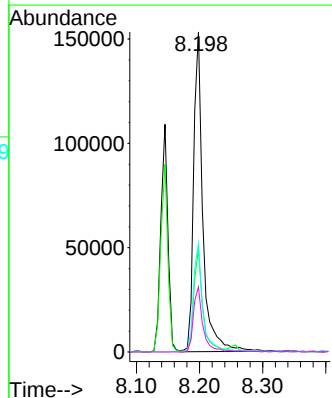
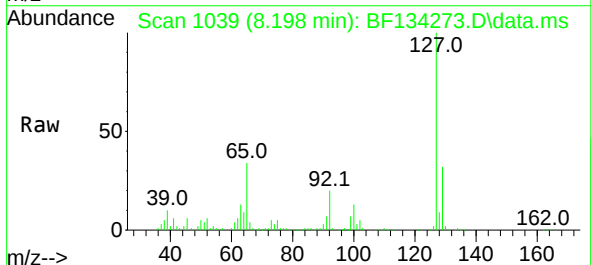
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

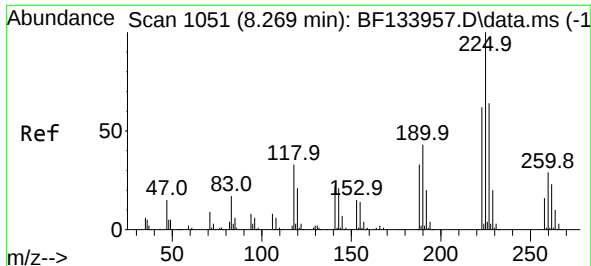
Tgt Ion:122 Resp: 145400
Ion Ratio Lower Upper
122 100
105 142.6 109.7 149.7
77 109.0 76.0 116.0



#33
4-Chloroaniline
Concen: 7245.406 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:127 Resp: 157042
Ion Ratio Lower Upper
127 100
129 32.0 26.4 39.6
65 33.9 27.8 41.8
92 20.3 16.4 24.6

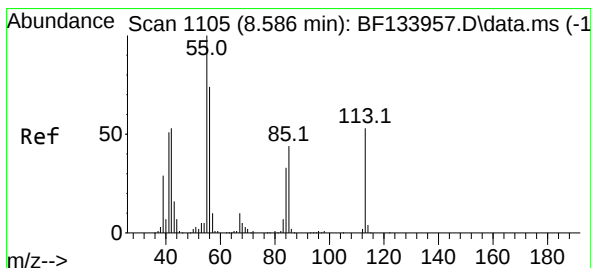
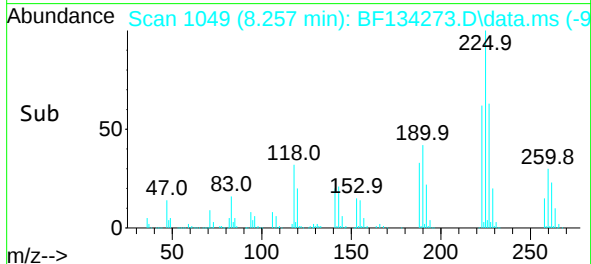
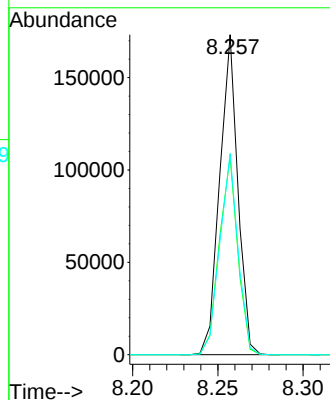
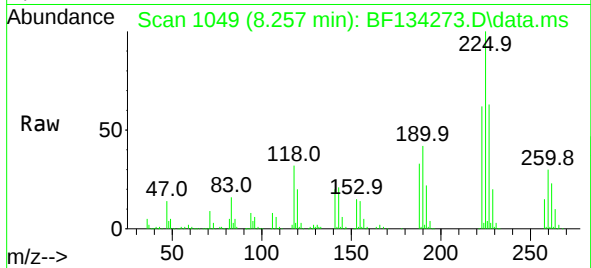




#34
Hexachlorobutadiene
Concen: 13301.010 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

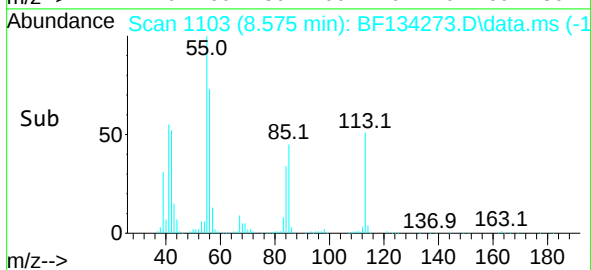
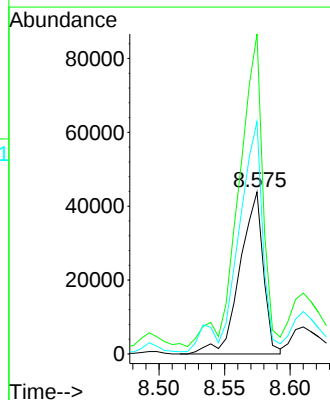
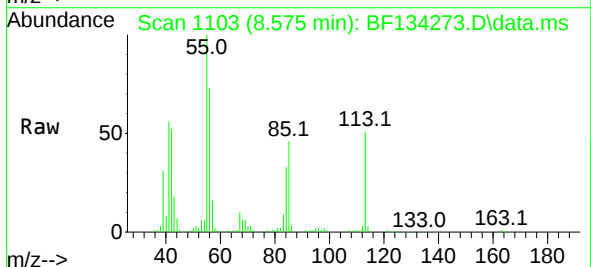
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

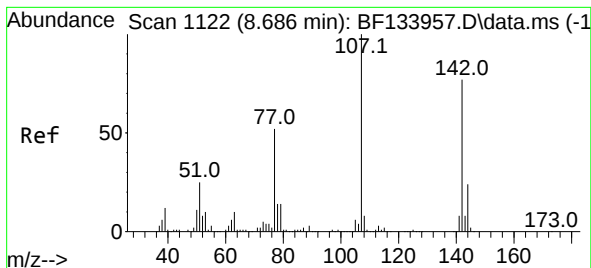
Tgt Ion:225 Resp: 128195
Ion Ratio Lower Upper
225 100
223 61.9 49.8 74.8
227 62.8 51.0 76.4



#35
Caprolactam
Concen: 11153.041 ng
RT: 8.575 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:113 Resp: 54377
Ion Ratio Lower Upper
113 100
55 197.6 170.2 210.2
56 143.4 121.4 161.4

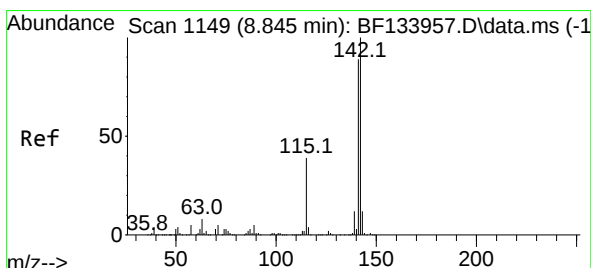
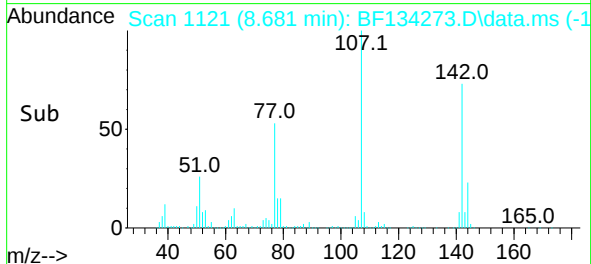
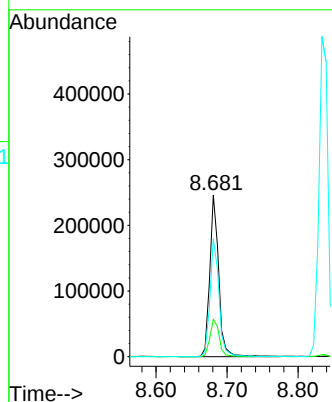
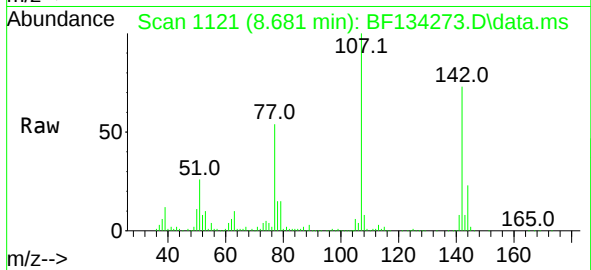




#36
 4-Chloro-3-methylphenol
 Concen: 12980.768 ng
 RT: 8.681 min Scan# 1122
 Delta R.T. 0.000 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

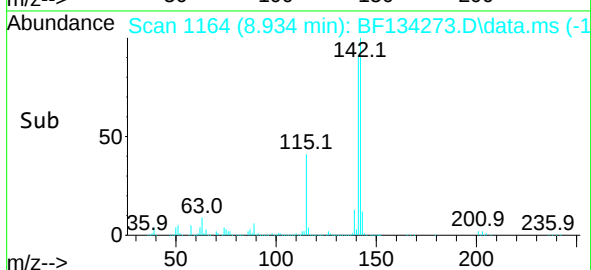
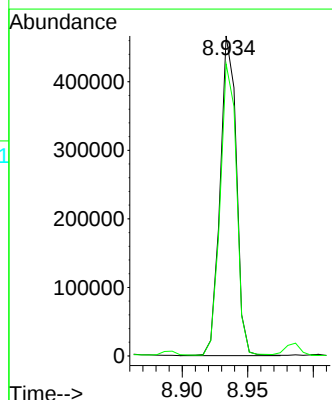
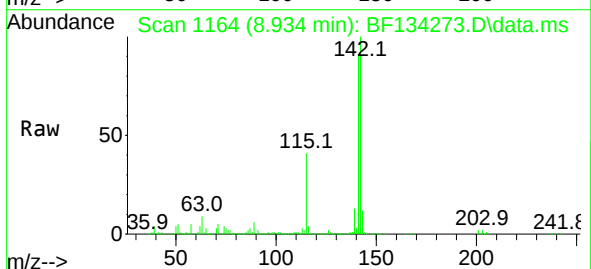
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MSD

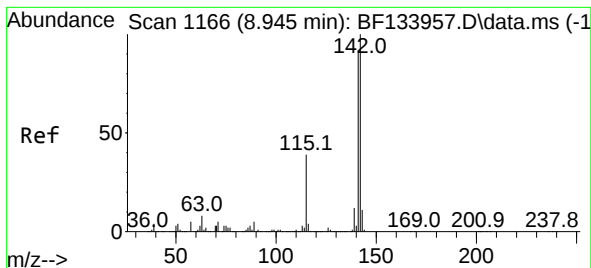
Tgt Ion:107 Resp: 215930
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.6 29.4
 142 72.9 61.4 92.2



#37
 2-Methylnaphthalene
 Concen: 11178.261 ng
 RT: 8.934 min Scan# 1164
 Delta R.T. 0.094 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

Tgt Ion:142 Resp: 400536
 Ion Ratio Lower Upper
 142 100
 141 91.3 71.0 106.4





#38

1-Methylnaphthalene

Concen: 12024.236 ng

RT: 8.934 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

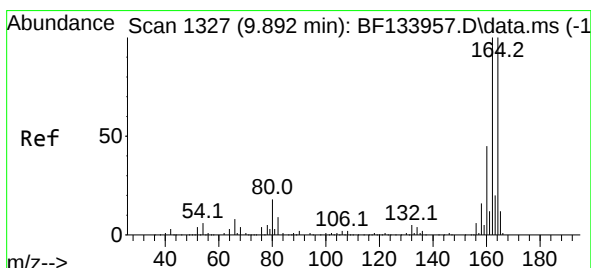
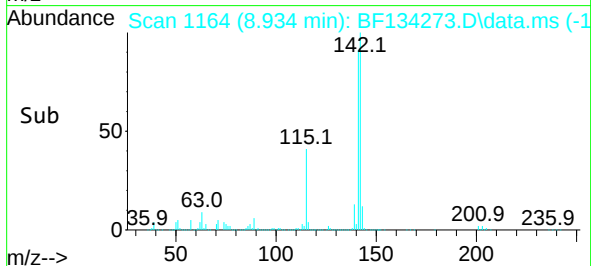
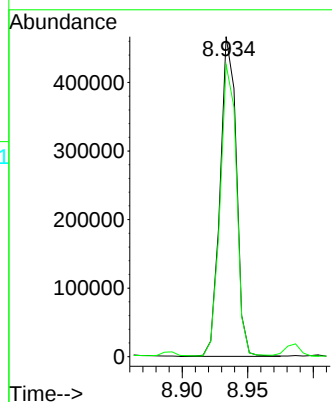
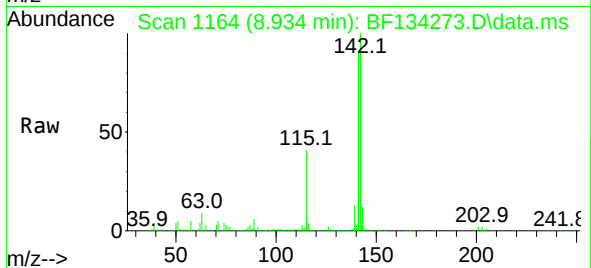
VNJ-225MSD

Tgt Ion:142 Resp: 400536

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1341

Delta R.T. 0.088 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

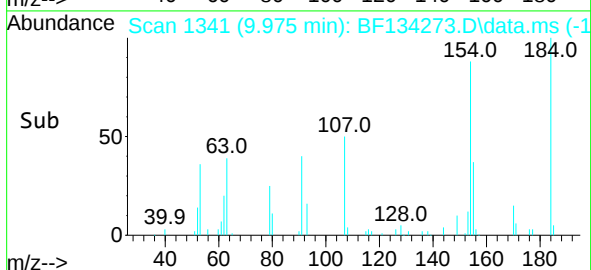
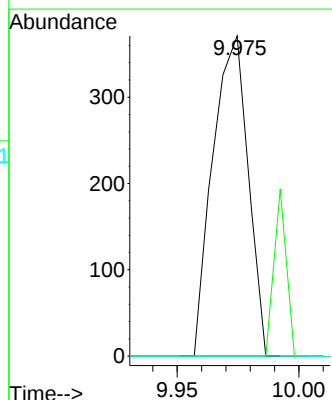
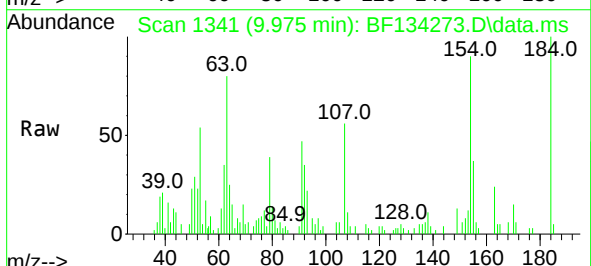
Tgt Ion:164 Resp: 373

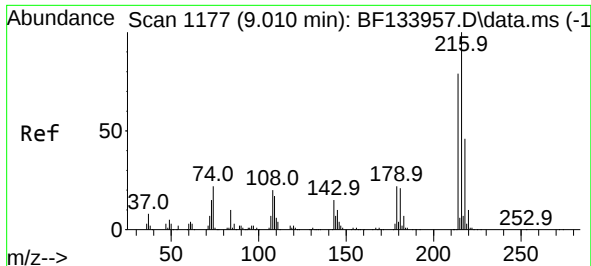
Ion Ratio Lower Upper

164 100

162 0.0 80.0 120.0#

160 0.0 35.9 53.9#

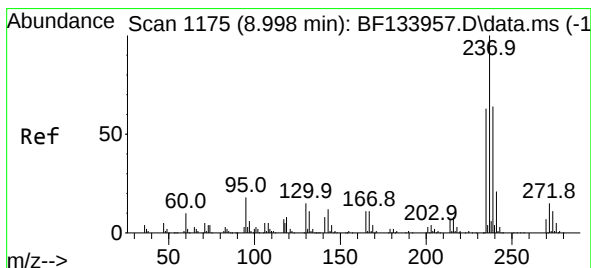
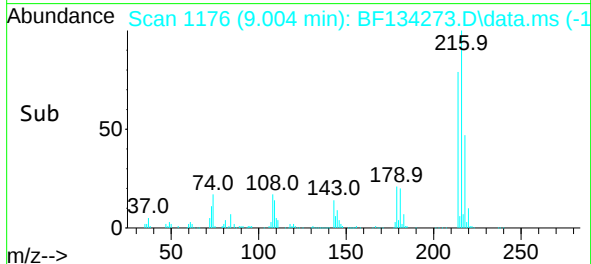
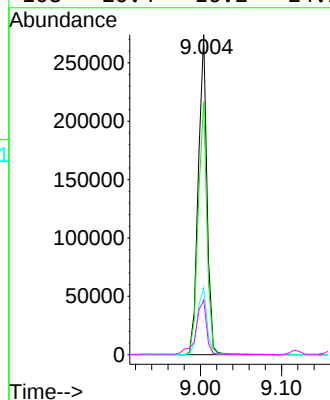
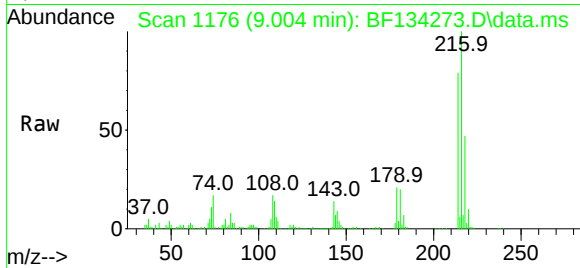




#40
1,2,4,5-Tetrachlorobenzene
Concen: 18567.842 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

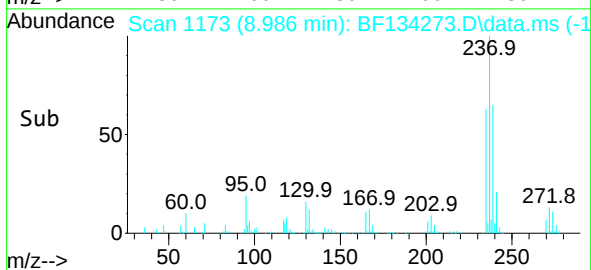
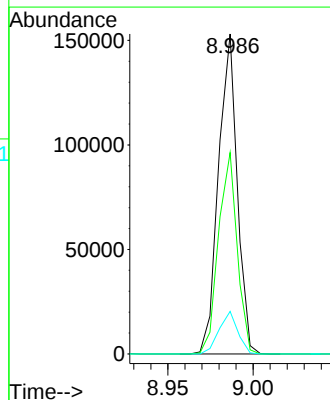
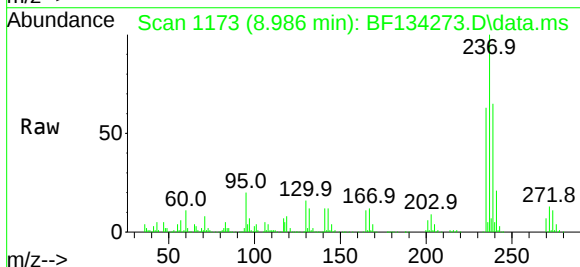
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

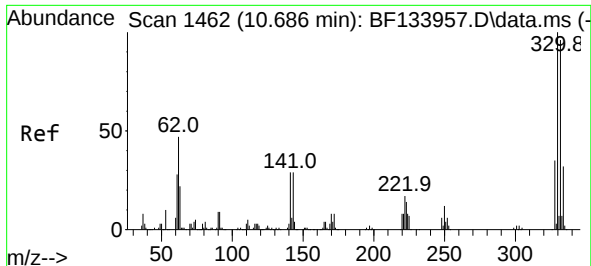
Tgt Ion:	216	Resp:	205188
Ion Ratio	Lower	Upper	
216	100		
214	79.4	64.1	96.1
179	22.2	17.3	25.9
108	20.4	16.2	24.2



#41
Hexachlorocyclopentadiene
Concen: 22371.426 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

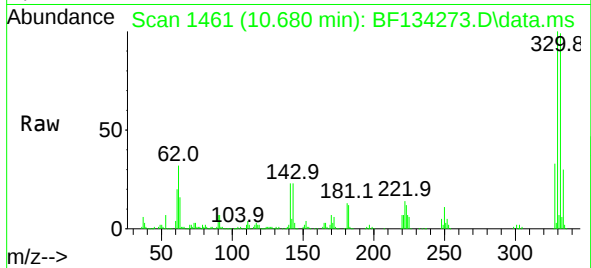
Tgt Ion:	237	Resp:	117286
Ion Ratio	Lower	Upper	
237	100		
235	63.0	42.8	82.8
272	13.3	0.0	34.6



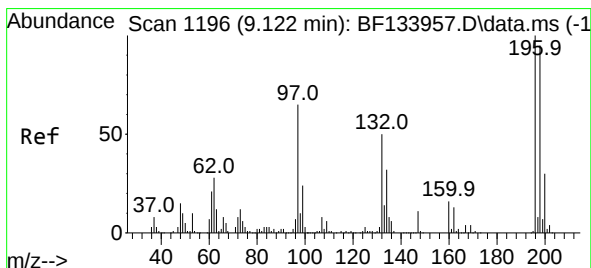
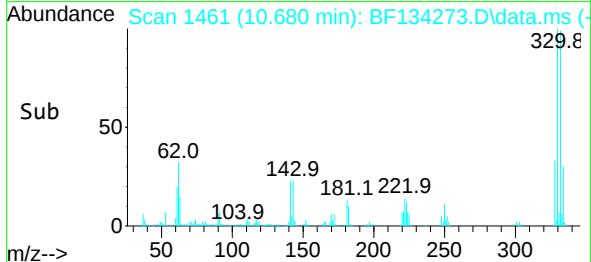
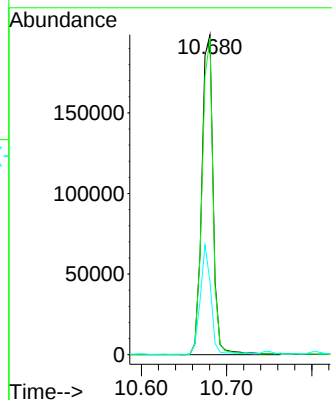


#42
2,4,6-Tribromophenol
Concen: 39181.688 ng
RT: 10.680 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

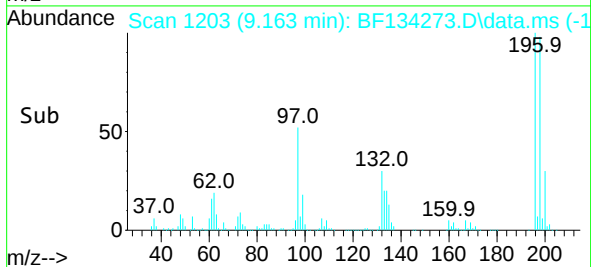
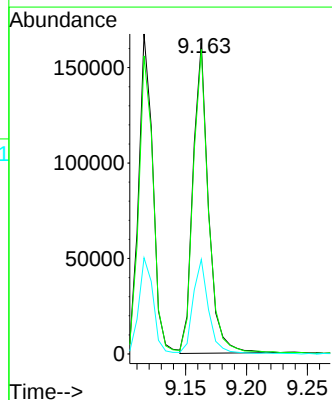
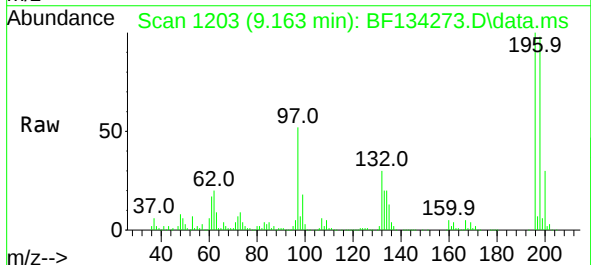


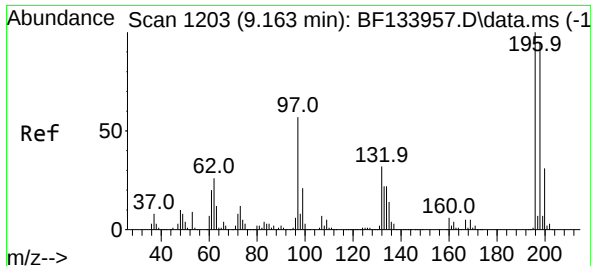
Tgt Ion:330 Resp: 183240
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 31.7 26.3 39.5



#43
2,4,6-Trichlorophenol
Concen: 19088.235 ng
RT: 9.163 min Scan# 1203
Delta R.T. 0.041 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:196 Resp: 143595
Ion Ratio Lower Upper
196 100
198 97.8 75.6 113.4
200 30.4 24.4 36.6

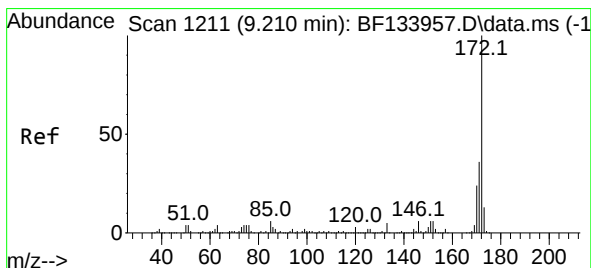
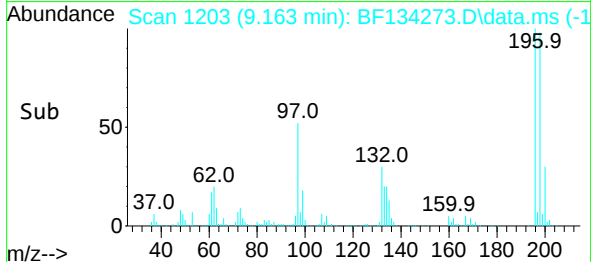
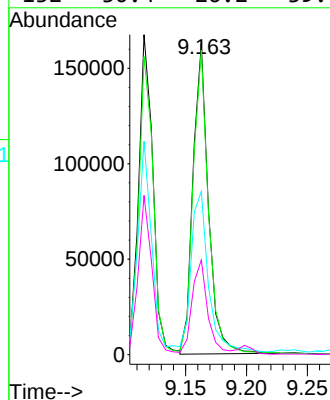
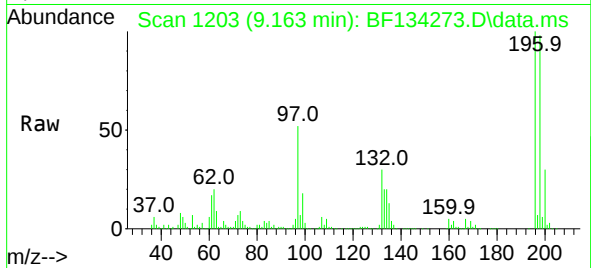




#44
2,4,5-Trichlorophenol
Concen: 16227.665 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

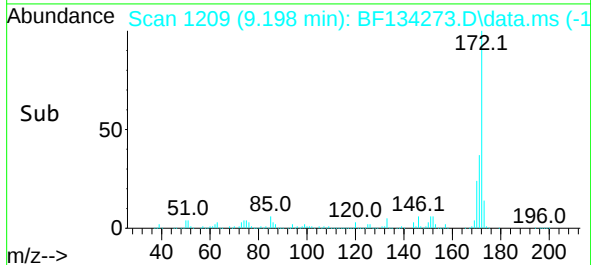
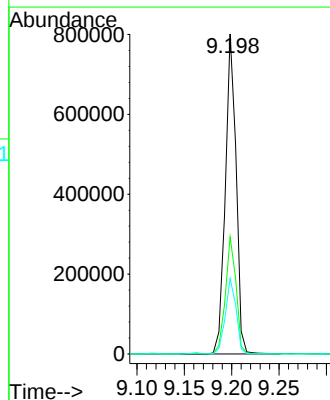
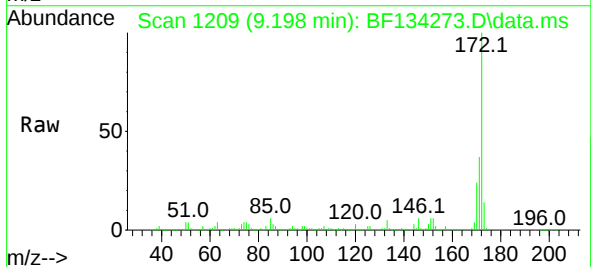
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

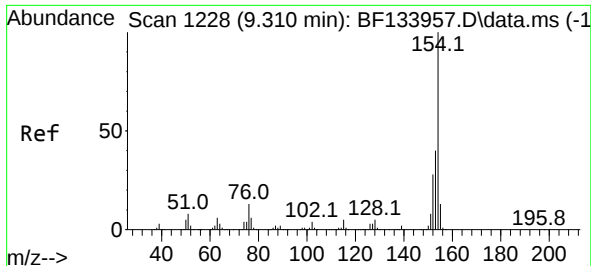
Tgt Ion:	196	Resp:	143595
Ion Ratio	Lower	Upper	
196	100		
198	97.8	75.7	113.5
97	52.5	45.8	68.6
132	30.4	26.2	39.4



#45
2-Fluorobiphenyl
Concen: 24830.697 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:	172	Resp:	637038
Ion Ratio	Lower	Upper	
172	100		
171	36.6	28.6	43.0
170	23.5	19.4	29.0





#46

1,1'-Biphenyl

Concen: 17967.687 ng

RT: 9.304 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

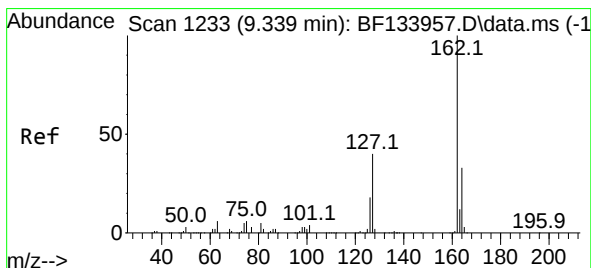
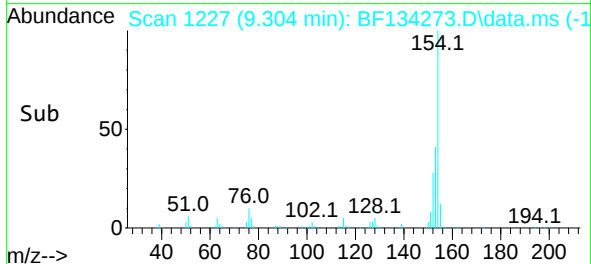
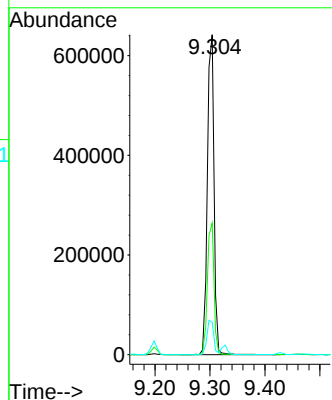
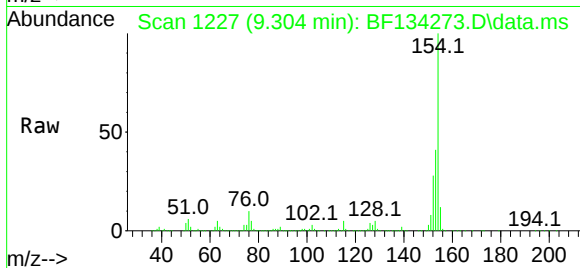
Tgt Ion:154 Resp: 537606

Ion Ratio Lower Upper

154 100

153 41.1 19.8 59.8

76 10.1 0.0 32.9



#47

2-Chloronaphthalene

Concen: 18193.248 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

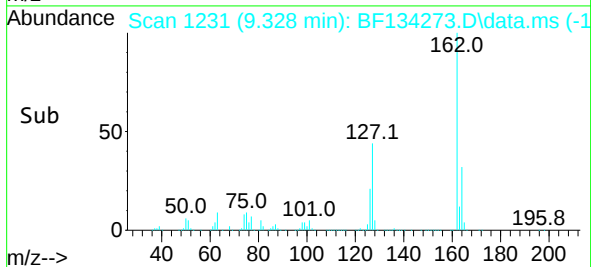
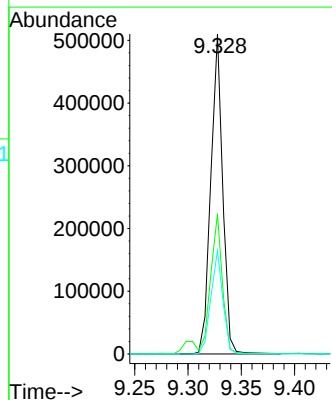
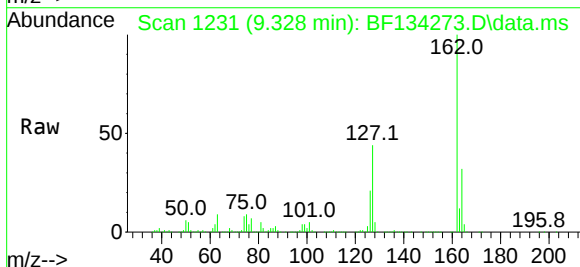
Tgt Ion:162 Resp: 398285

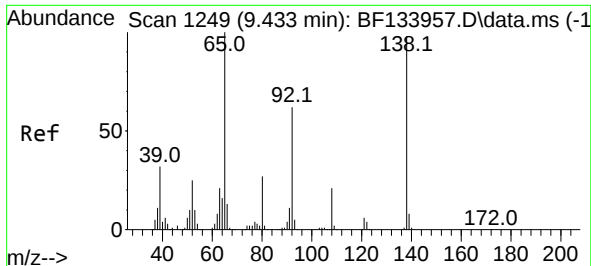
Ion Ratio Lower Upper

162 100

127 43.8 32.9 49.3

164 32.4 26.1 39.1

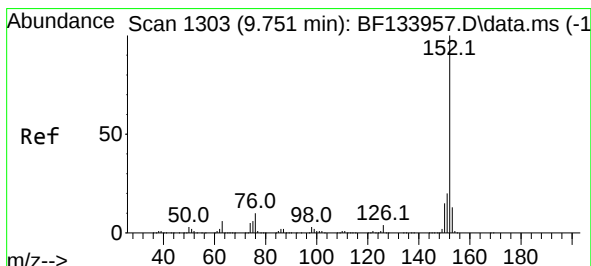
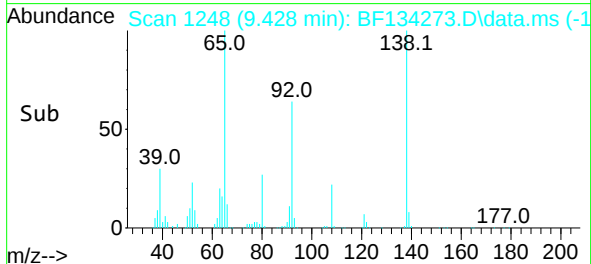
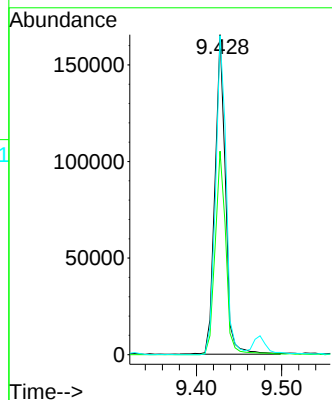
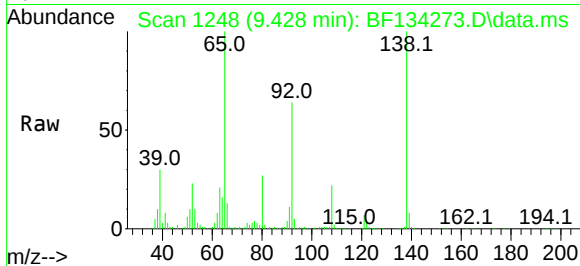




#48
2-Nitroaniline
Concen: 17864.736 ng
RT: 9.428 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

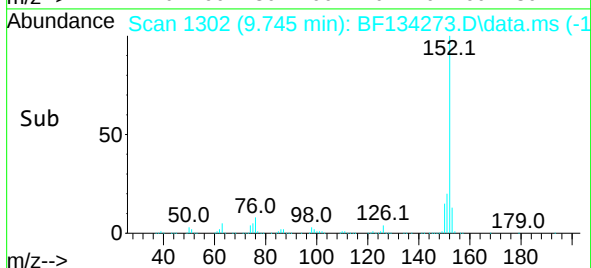
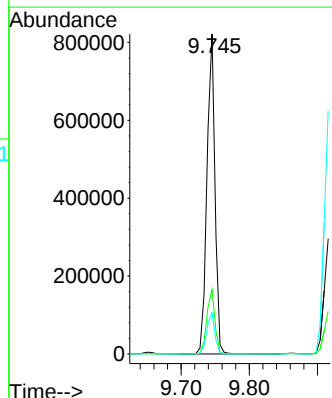
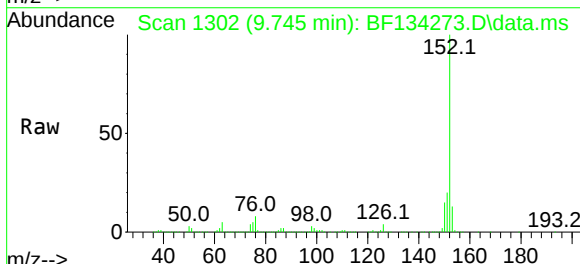
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

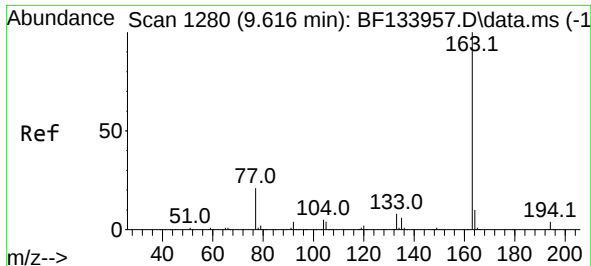
Tgt Ion: 65 Resp: 142533
Ion Ratio Lower Upper
65 100
92 63.6 49.5 74.3
138 99.7 78.0 117.0



#49
Acenaphthylene
Concen: 18017.462 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion: 152 Resp: 673797
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 12.9 10.8 16.2

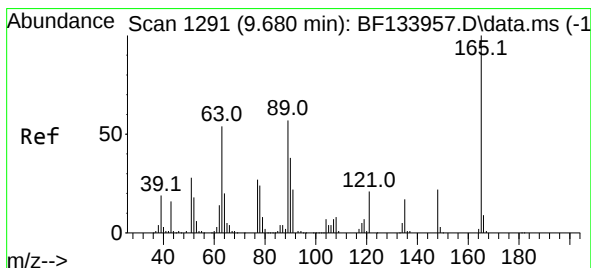
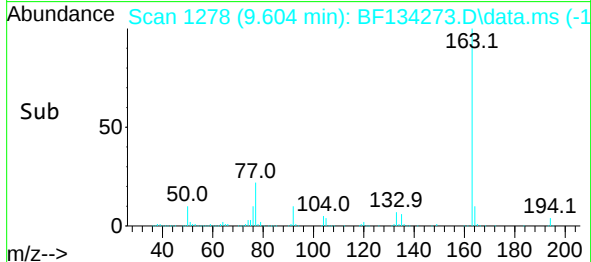
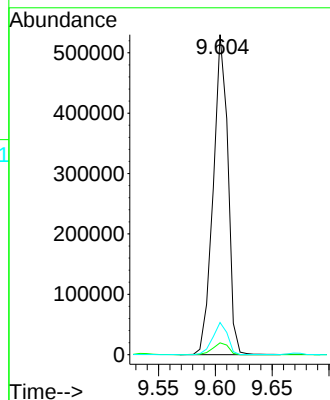
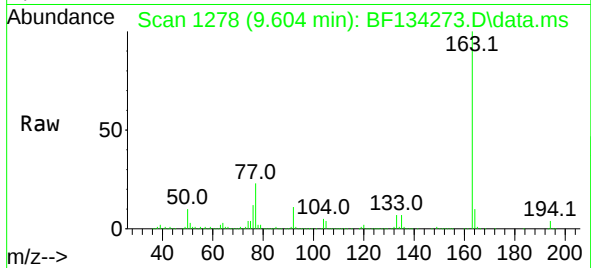




#50
Dimethylphthalate
Concen: 17613.392 ng
RT: 9.604 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

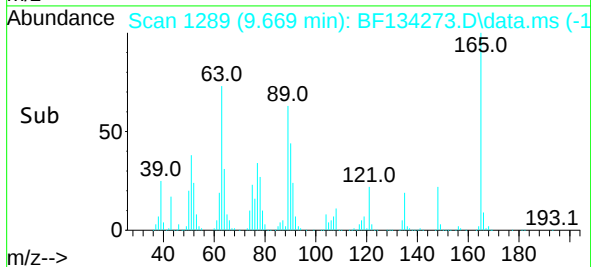
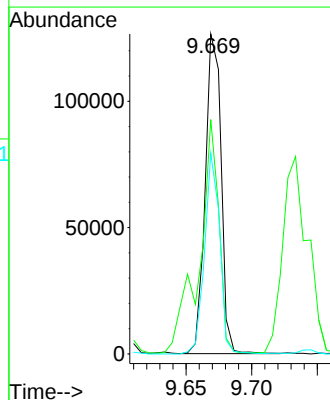
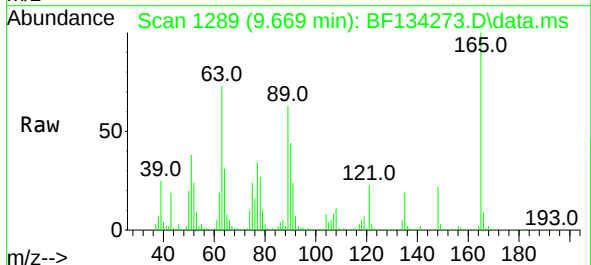
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

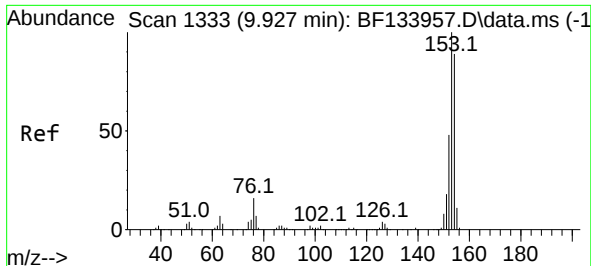
Tgt Ion:163 Resp: 476903
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.0 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 18322.980 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:165 Resp: 106855
Ion Ratio Lower Upper
165 100
63 73.2 48.5 72.7#
89 62.8 45.5 68.3

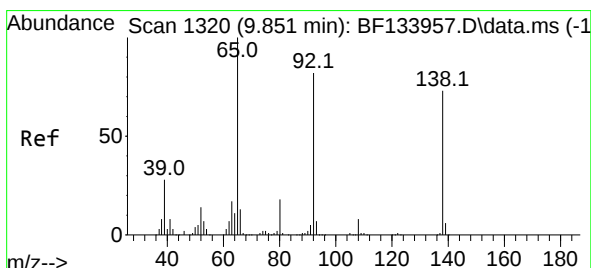
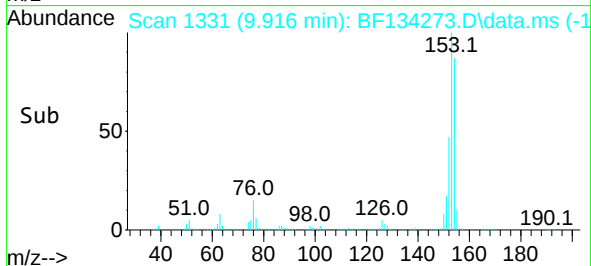
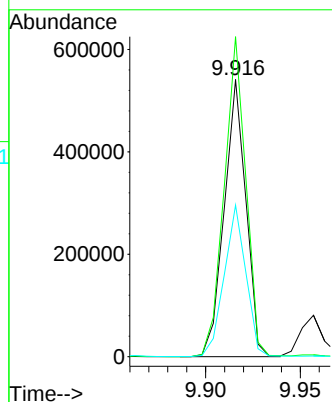
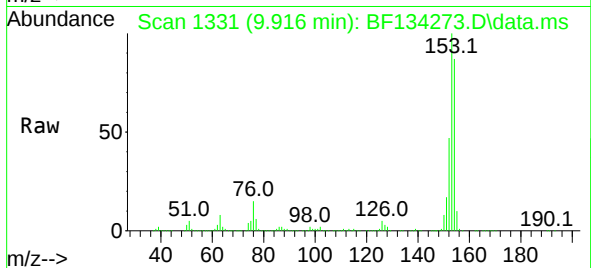




#52
Acenaphthene
Concen: 19856.607 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

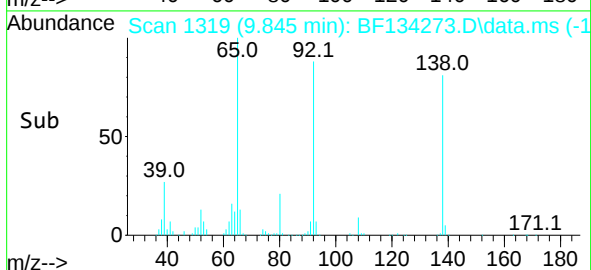
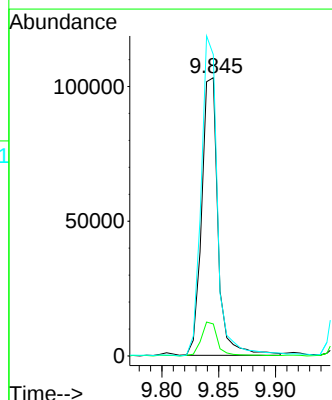
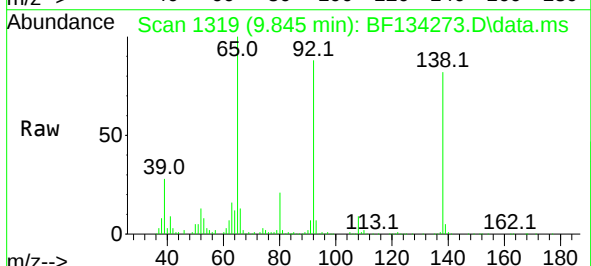
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

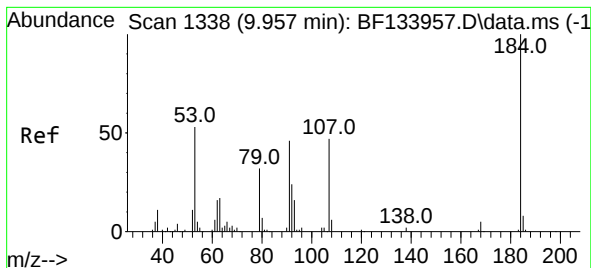
Tgt Ion:154 Resp: 430883
Ion Ratio Lower Upper
154 100
153 115.5 89.4 134.2
152 54.7 42.8 64.2



#53
3-Nitroaniline
Concen: 14773.761 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:138 Resp: 103360
Ion Ratio Lower Upper
138 100
108 11.5 8.4 12.6
92 108.3 90.1 135.1





#54

2,4-Dinitrophenol

Concen: 27470.214 ng

RT: 9.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

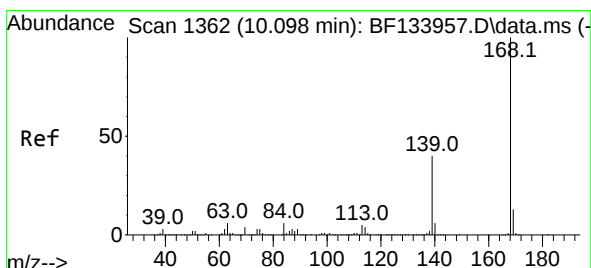
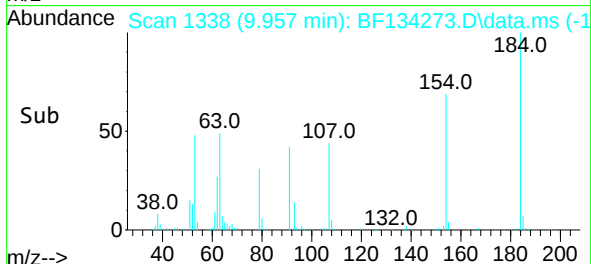
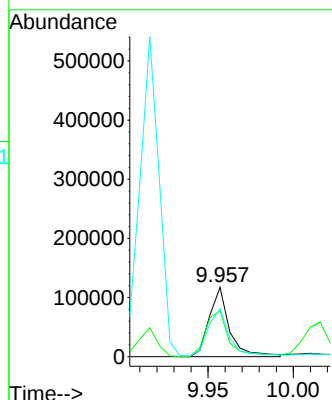
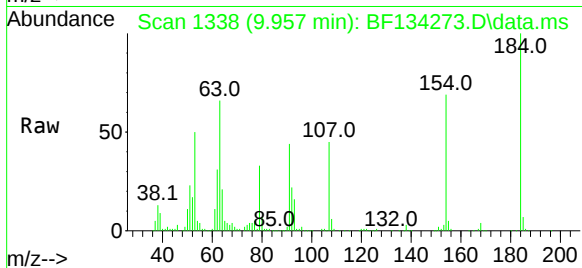
Tgt Ion:184 Resp: 97198

Ion Ratio Lower Upper

184 100

63 66.3 56.9 85.3

154 69.0 55.4 83.0



#55

Dibenzofuran

Concen: 18880.967 ng

RT: 10.092 min Scan# 1361

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

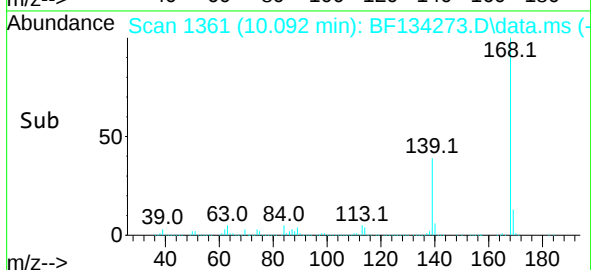
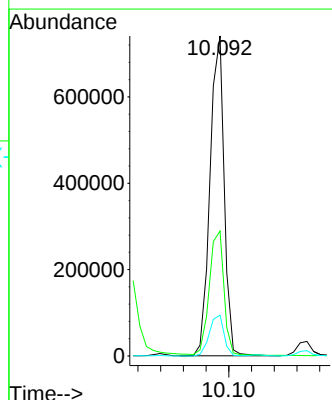
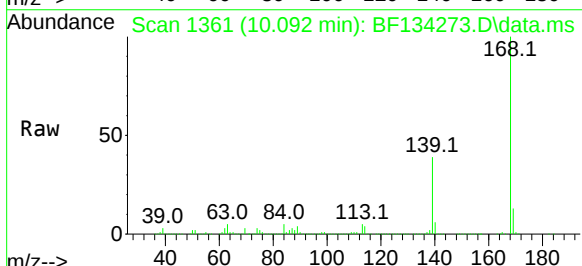
Tgt Ion:168 Resp: 640315

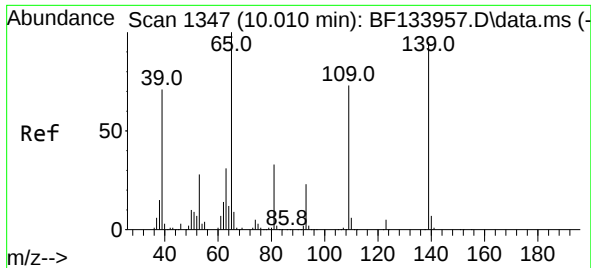
Ion Ratio Lower Upper

168 100

139 39.1 32.0 48.0

169 12.8 10.6 16.0

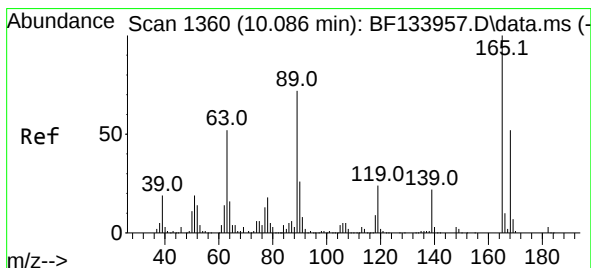
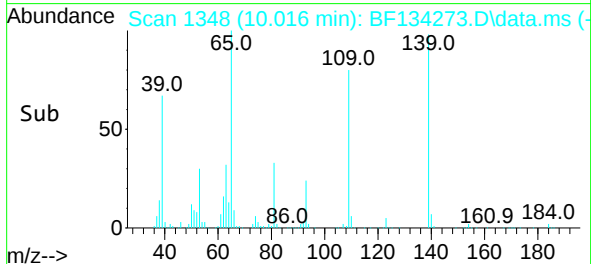
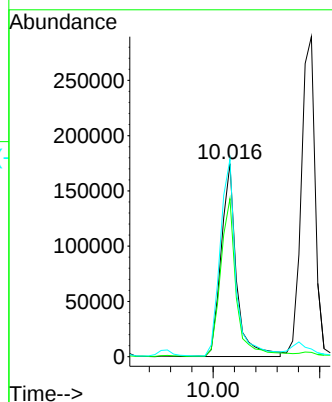
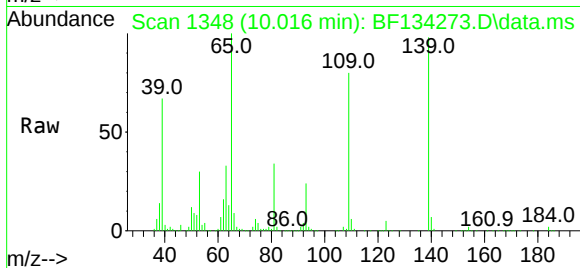




#56
4-Nitrophenol
Concen: 35527.850 ng
RT: 10.016 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

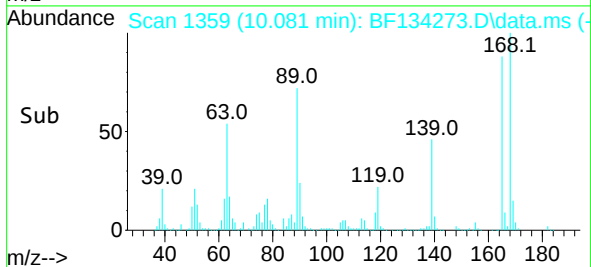
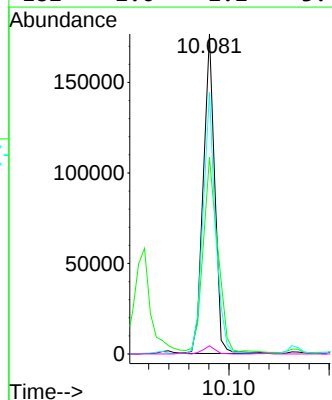
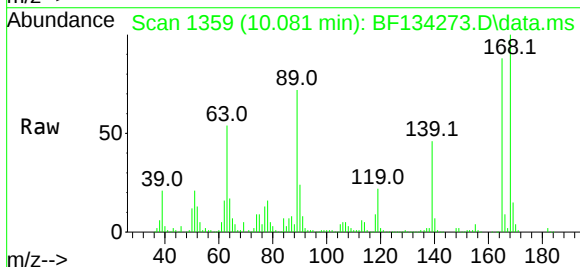
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

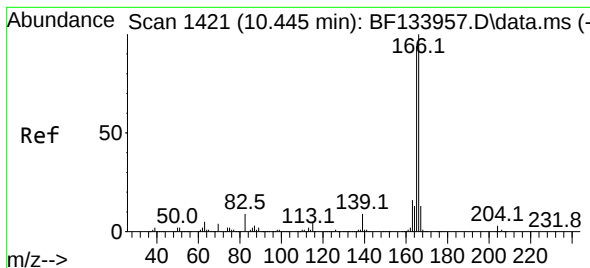
Tgt Ion:139 Resp: 173864
Ion Ratio Lower Upper
139 100
109 82.0 56.8 96.8
65 102.3 86.1 126.1



#57
2,4-Dinitrotoluene
Concen: 18286.212 ng
RT: 10.081 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:165 Resp: 140833
Ion Ratio Lower Upper
165 100
63 61.5 42.2 63.2
89 81.9 57.4 86.2
182 2.6 2.2 3.4

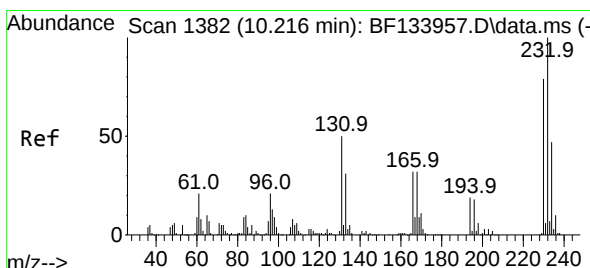
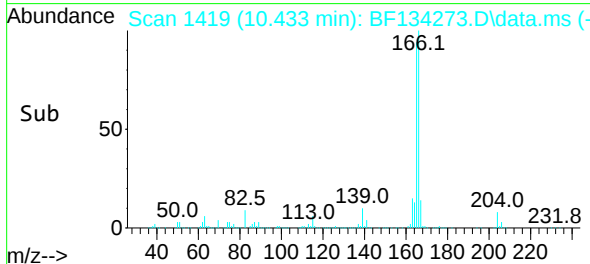
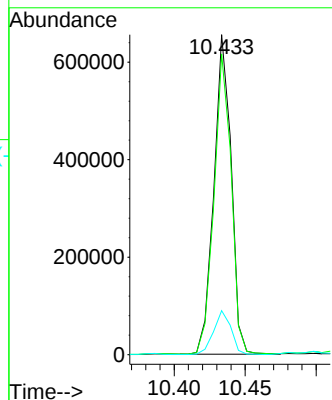
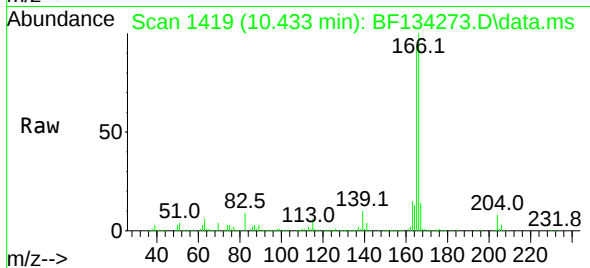




#58
Fluorene
Concen: 20924.545 ng
RT: 10.433 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

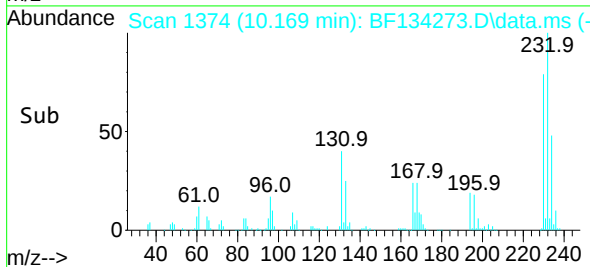
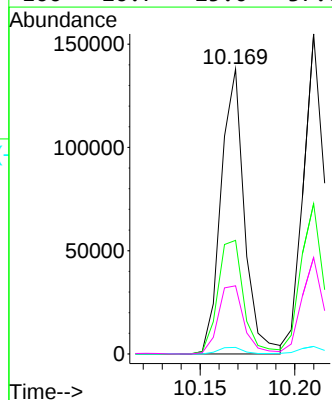
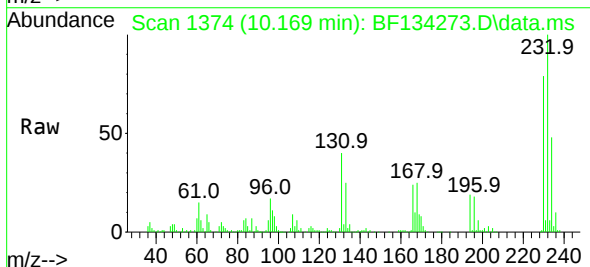
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

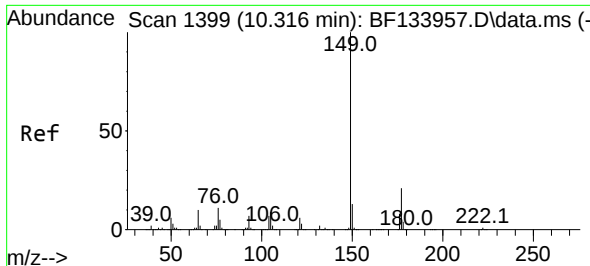
Tgt Ion:166 Resp: 552076
Ion Ratio Lower Upper
166 100
165 94.0 75.0 112.4
167 13.7 10.6 15.8



#59
2,3,4,6-Tetrachlorophenol
Concen: 16968.278 ng
RT: 10.169 min Scan# 1374
Delta R.T. -0.041 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:232 Resp: 118437
Ion Ratio Lower Upper
232 100
131 44.5 39.3 58.9
130 2.5 1.8 2.6
166 26.7 25.0 37.6

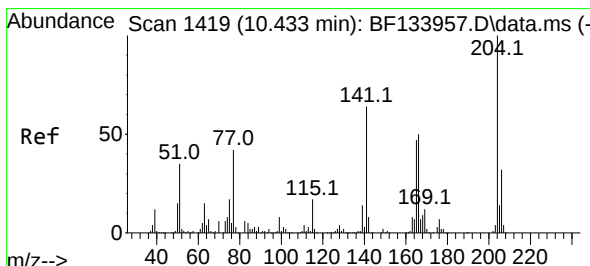
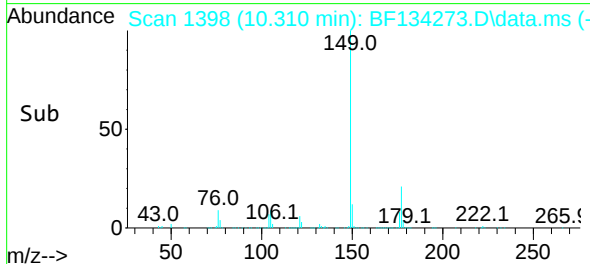
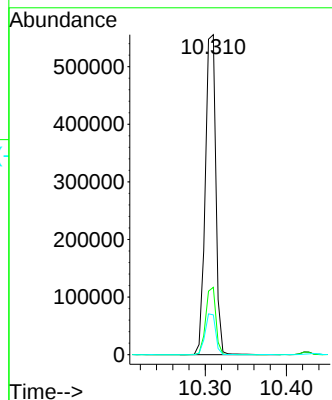
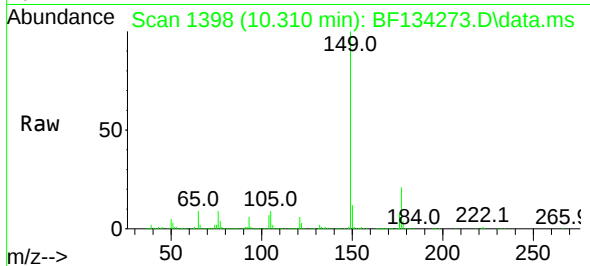




#60
Diethylphthalate
Concen: 17652.552 ng
RT: 10.310 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

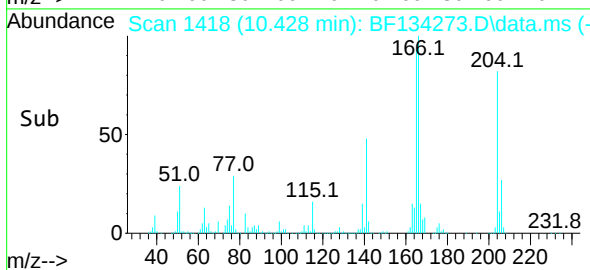
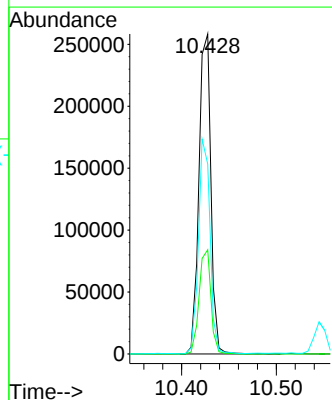
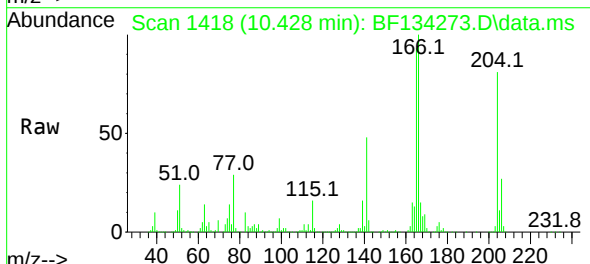
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

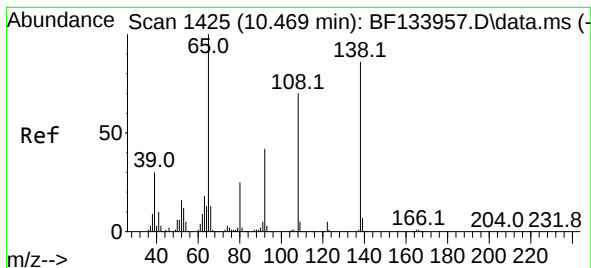
Tgt Ion:149 Resp: 497964
Ion Ratio Lower Upper
149 100
177 21.0 17.0 25.6
150 12.4 10.2 15.2



#61
4-Chlorophenyl-phenylether
Concen: 17852.779 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:204 Resp: 226997
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 59.4 51.5 77.3

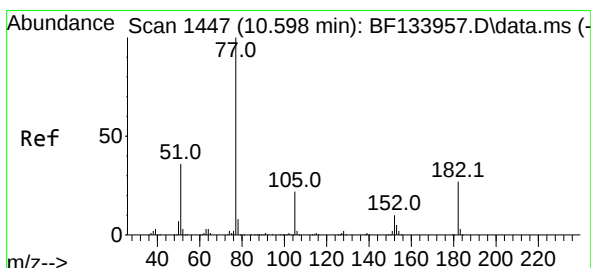
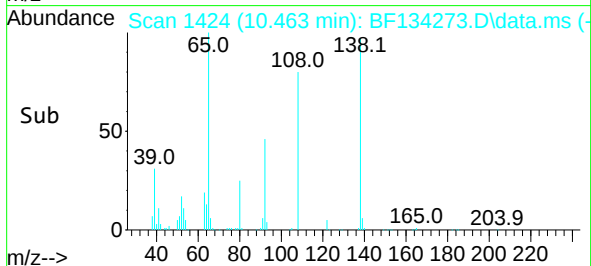
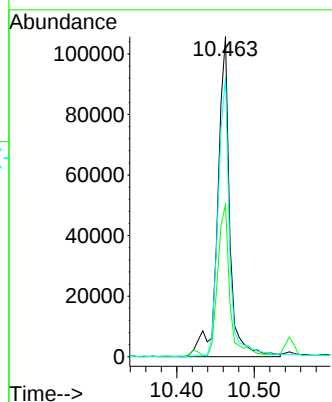
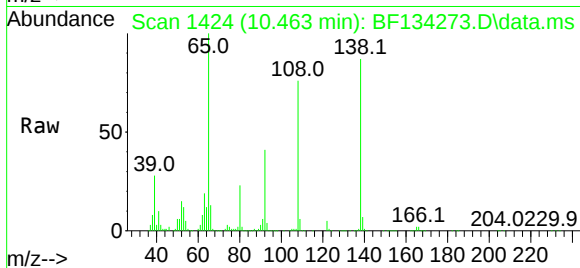




#62
4-Nitroaniline
Concen: 16231.874 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

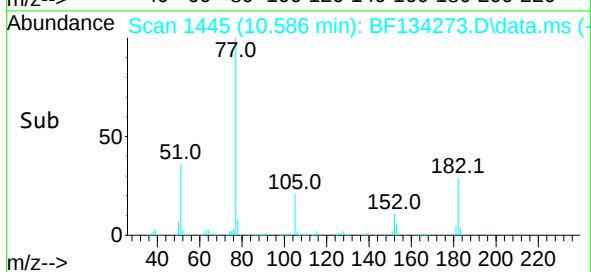
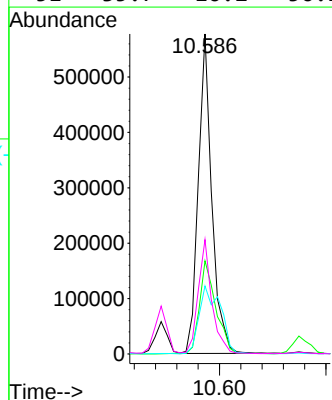
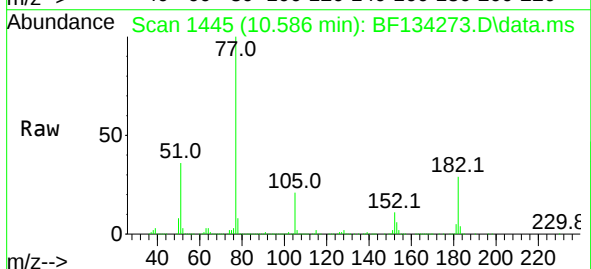
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

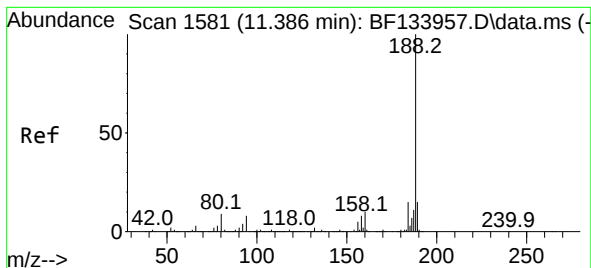
Tgt Ion:138 Resp: 114446
Ion Ratio Lower Upper
138 100
92 47.6 29.7 69.7
108 87.5 62.1 102.1



#63
Azobenzene
Concen: 19110.884 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion: 77 Resp: 509947
Ion Ratio Lower Upper
77 100
182 29.1 6.8 46.8
105 21.3 2.3 42.3
51 35.7 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.053 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

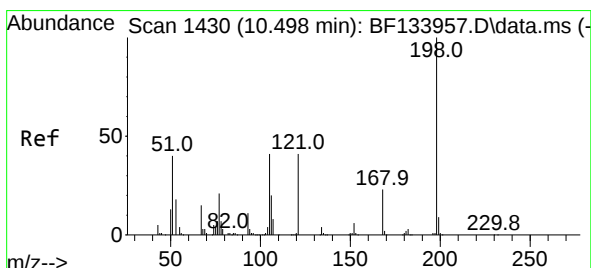
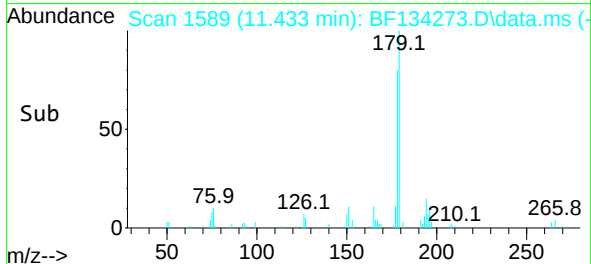
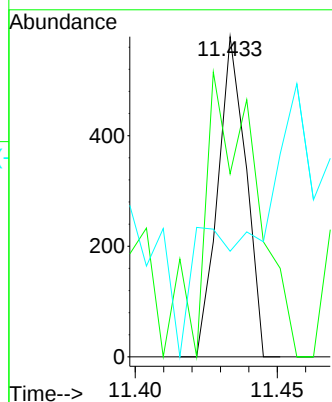
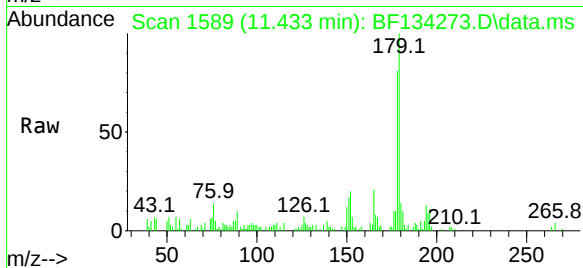
Tgt Ion:188 Resp: 397

Ion Ratio Lower Upper

188 100

94 57.2 6.4 9.6#

80 33.0 7.3 10.9#



#65

4,6-Dinitro-2-methylphenol

Concen: 30505.652 ng

RT: 10.492 min Scan# 1429

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

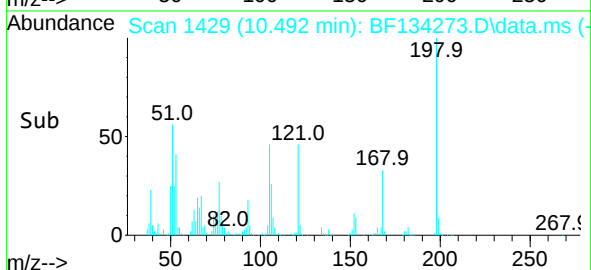
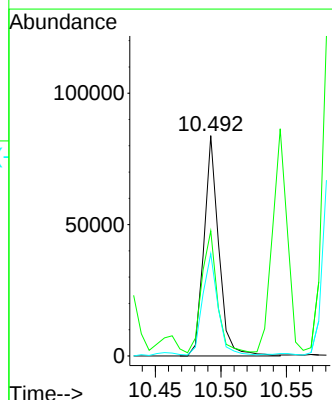
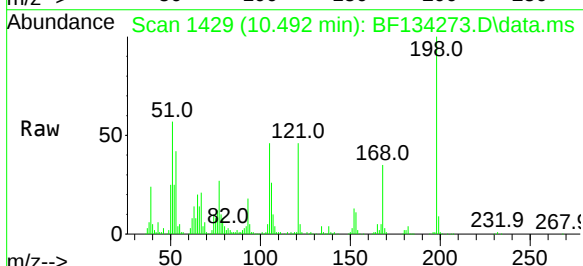
Tgt Ion:198 Resp: 66027

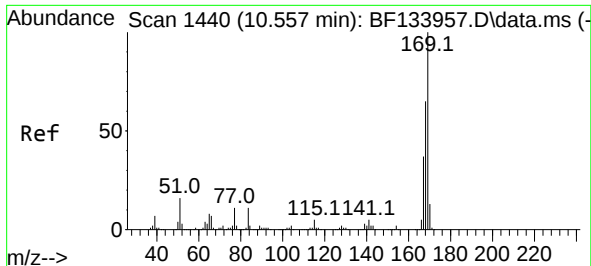
Ion Ratio Lower Upper

198 100

51 56.8 29.3 69.3

105 46.4 22.4 62.4

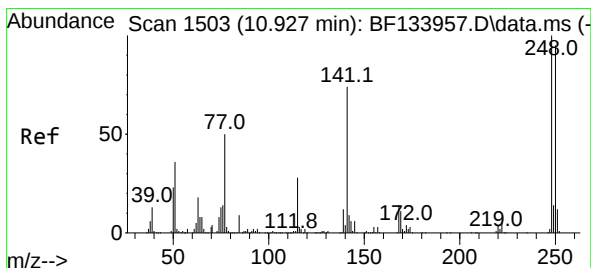
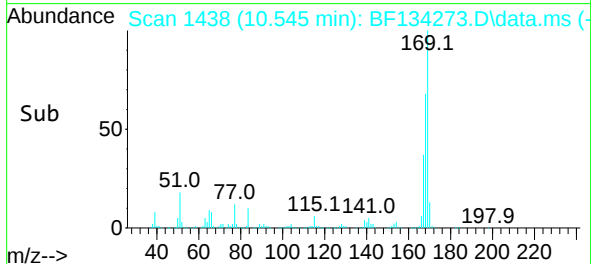
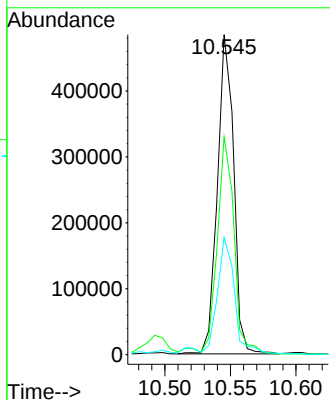
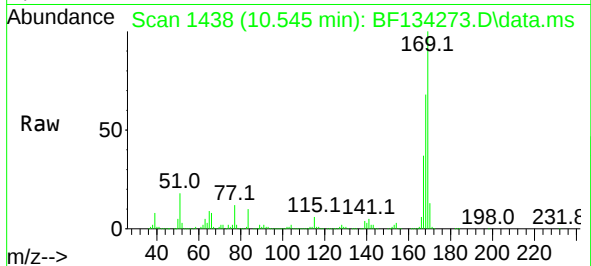




#66
n-Nitrosodiphenylamine
Concen: 32886.770 ng
RT: 10.545 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

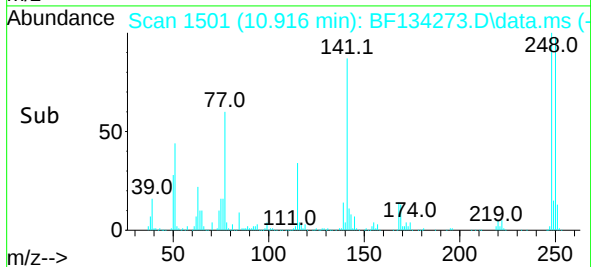
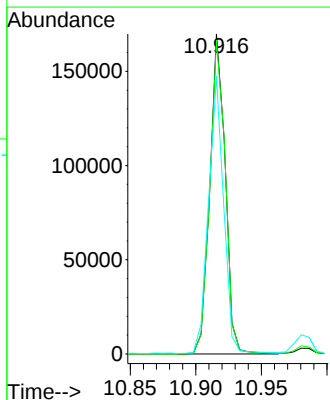
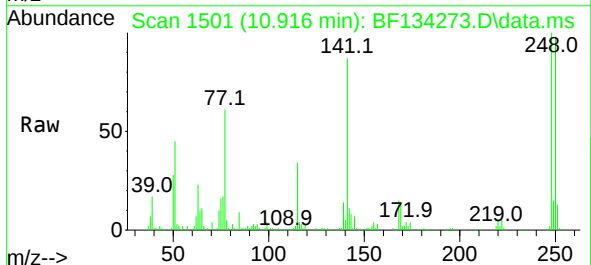
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

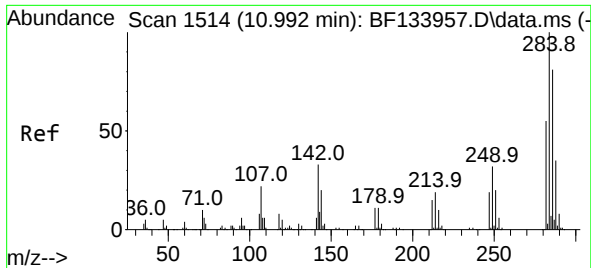
Tgt Ion:169 Resp: 417145
Ion Ratio Lower Upper
169 100
168 68.1 52.3 78.5
167 36.6 29.4 44.0



#67
4-Bromophenyl-phenylether
Concen: 32837.565 ng
RT: 10.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:248 Resp: 138563
Ion Ratio Lower Upper
248 100
250 98.0 76.2 114.4
141 86.8 59.0 88.4

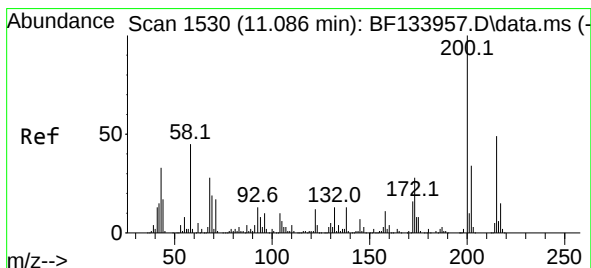
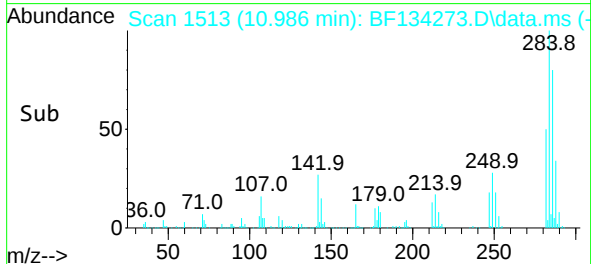
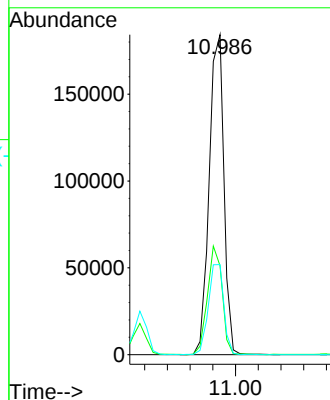
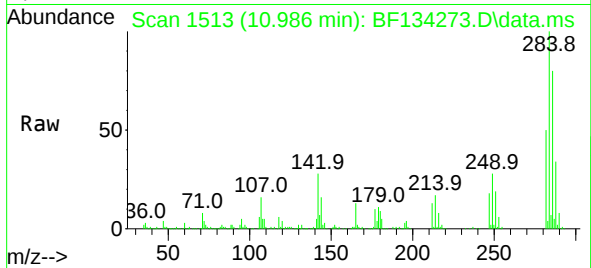




#68
Hexachlorobenzene
Concen: 36926.019 ng
RT: 10.986 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

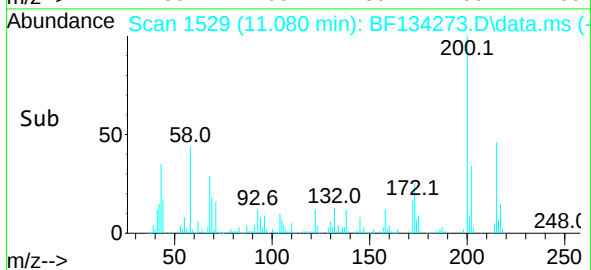
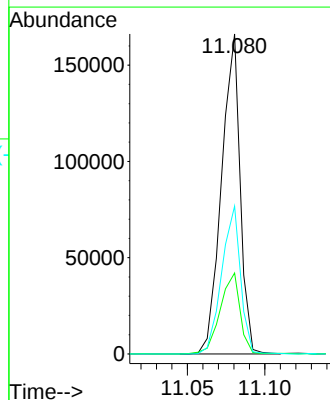
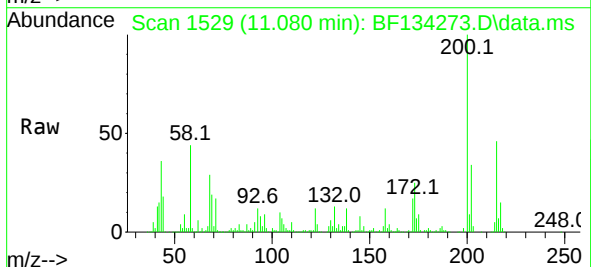
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

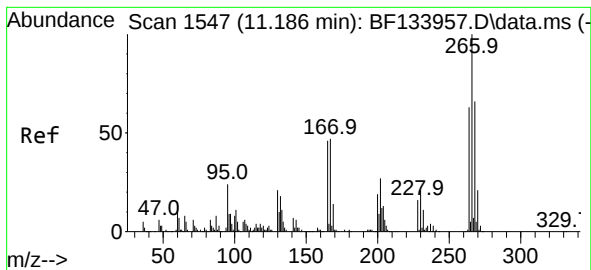
Tgt Ion:284 Resp: 165438
Ion Ratio Lower Upper
284 100
142 27.7 26.6 40.0
249 28.2 25.5 38.3



#69
Atrazine
Concen: 39531.556 ng
RT: 11.080 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:200 Resp: 138699
Ion Ratio Lower Upper
200 100
173 25.3 8.0 48.0
215 46.2 29.3 69.3

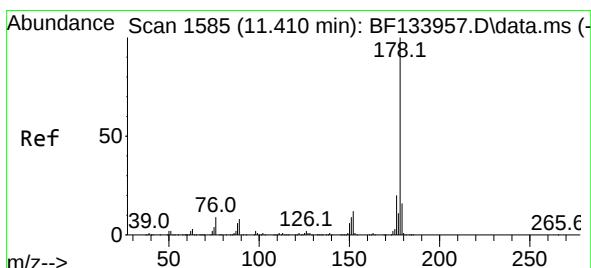
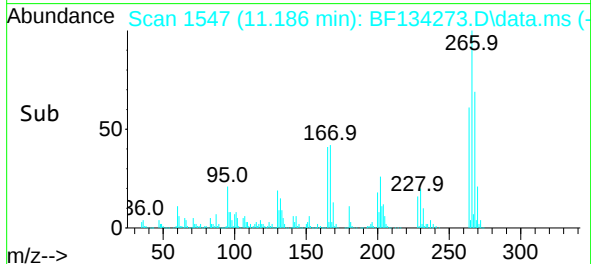
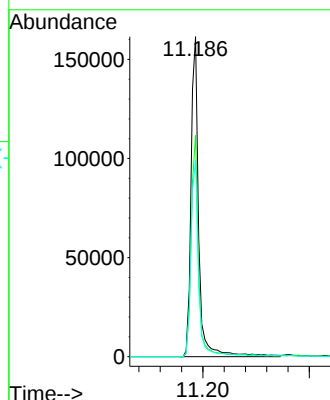
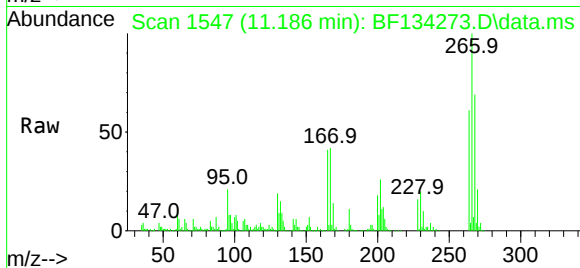




#70
Pentachlorophenol
Concen: 60508.627 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

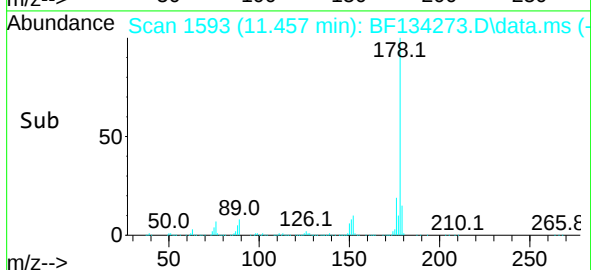
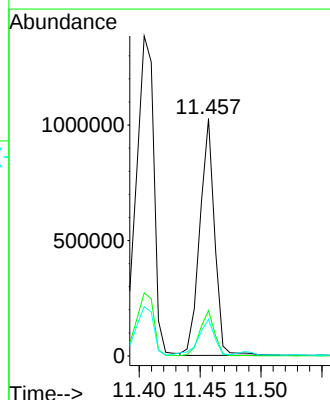
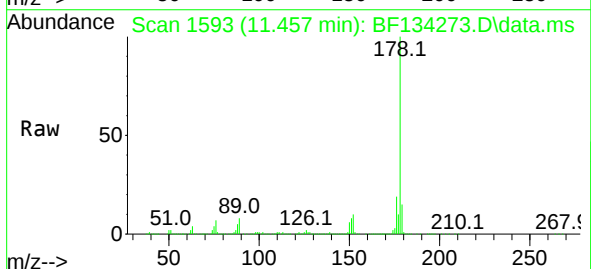
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

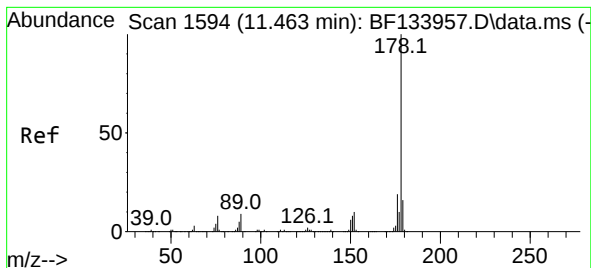
Tgt Ion:266 Resp: 162092
Ion Ratio Lower Upper
266 100
268 69.1 52.6 79.0
264 61.4 50.6 76.0



#71
Phenanthrene
Concen: 43341.143 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.053 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:178 Resp: 866201
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 41669.602 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

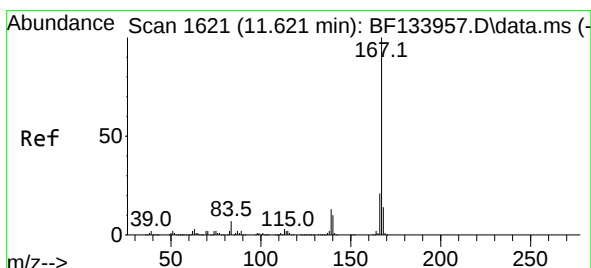
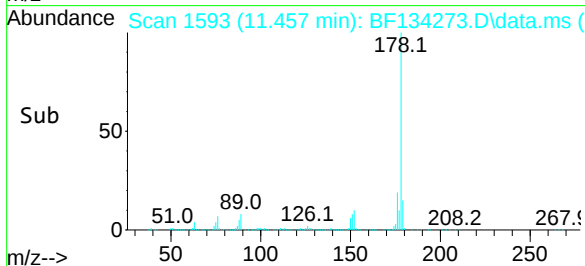
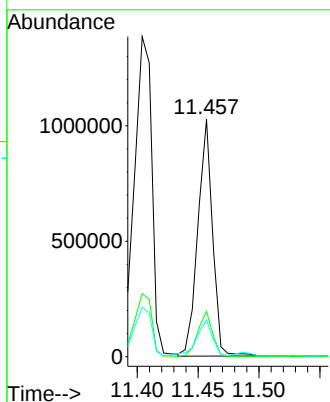
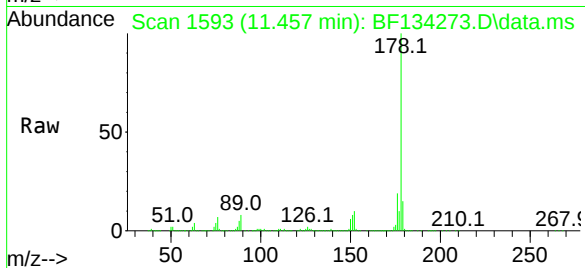
Tgt Ion:178 Resp: 866201

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.5 12.4 18.6



#73

Carbazole

Concen: 36755.710 ng

RT: 11.616 min Scan# 1620

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

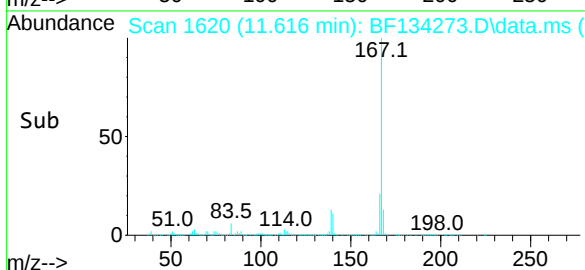
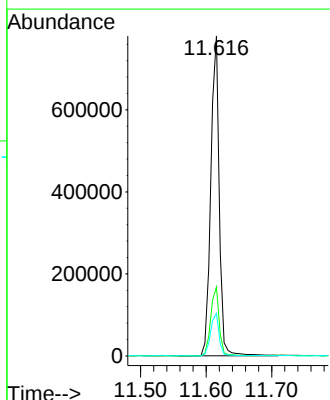
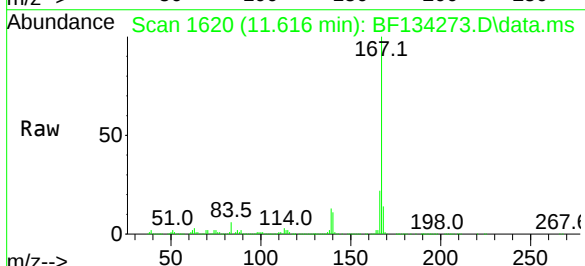
Tgt Ion:167 Resp: 699344

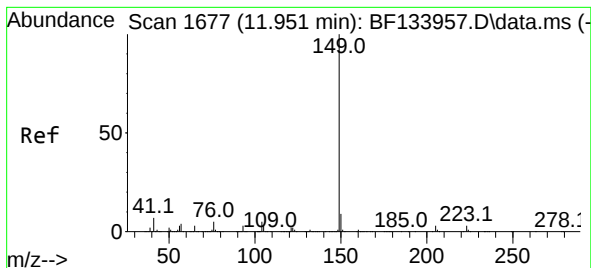
Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 13.3 10.4 15.6





#74

Di-n-butylphthalate

Concen: 34636.708 ng

RT: 11.939 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

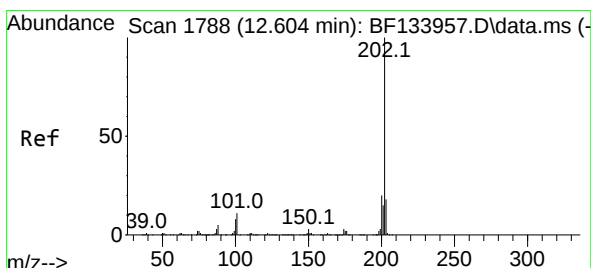
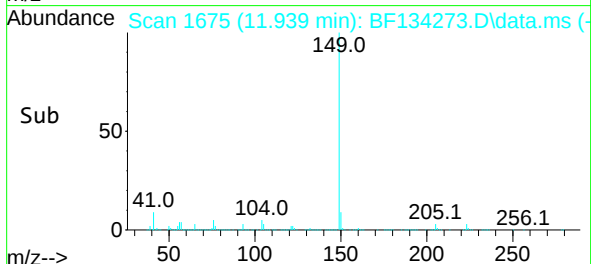
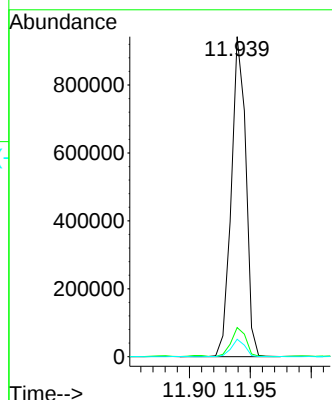
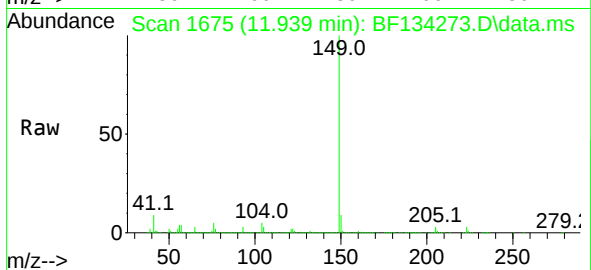
Tgt Ion:149 Resp: 783706

Ion Ratio Lower Upper

149 100

150 9.1 7.1 10.7

104 5.4 4.0 6.0



#75

Fluoranthene

Concen: 87006.377 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.006 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

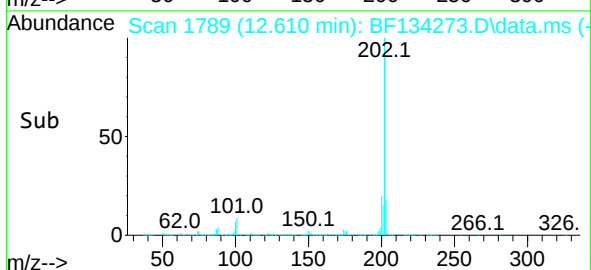
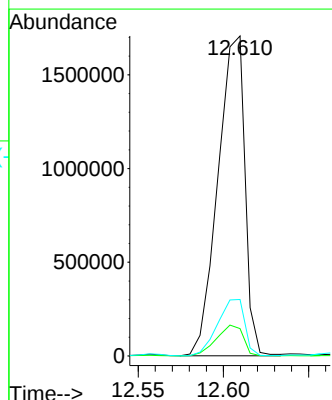
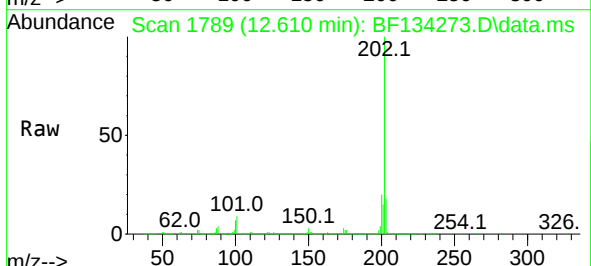
Tgt Ion:202 Resp: 1879888

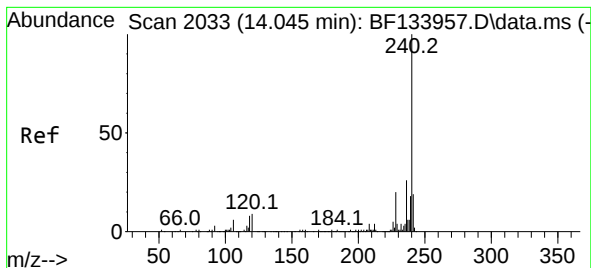
Ion Ratio Lower Upper

202 100

101 8.5 0.0 31.0

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2033

Delta R.T. 0.088 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

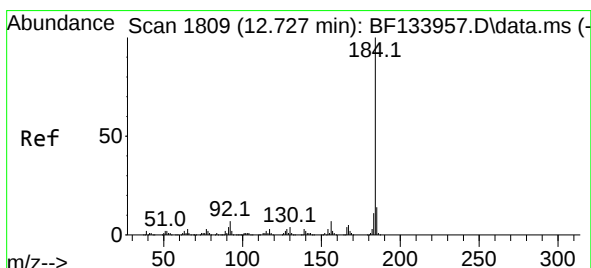
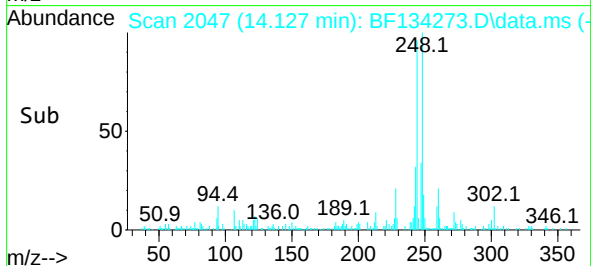
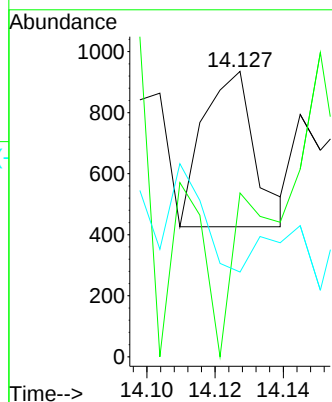
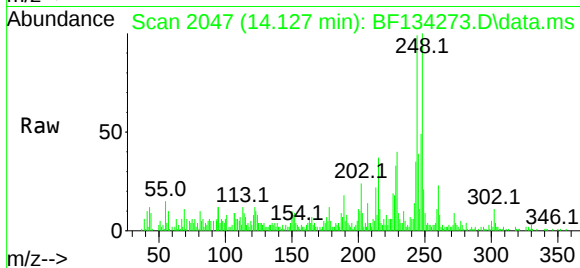
Tgt Ion:240 Resp: 538

Ion Ratio Lower Upper

240 100

120 57.4 7.4 11.0#

236 29.7 21.0 31.6



#77

Benzidine

Concen: 6923.643 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

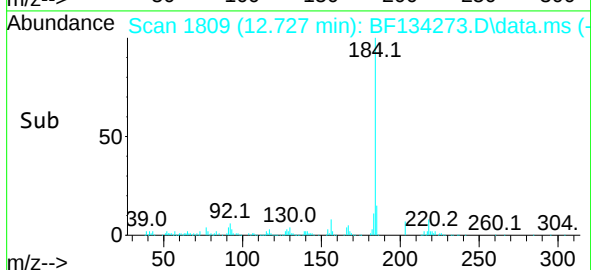
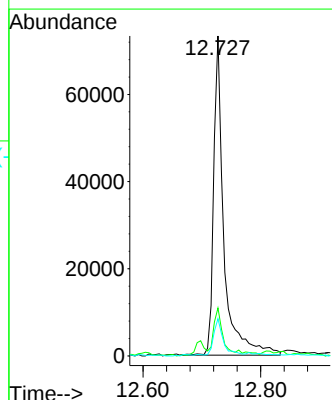
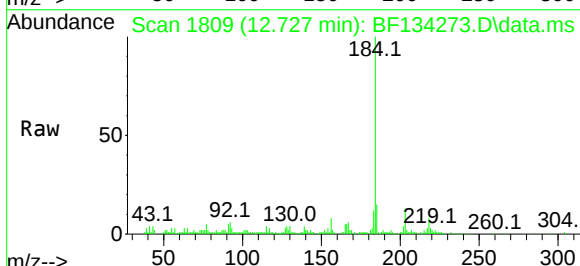
Tgt Ion:184 Resp: 88632

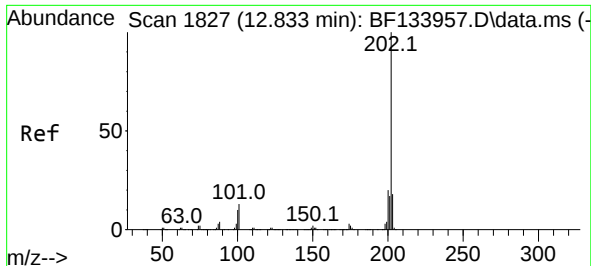
Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

183 11.7 8.8 13.2

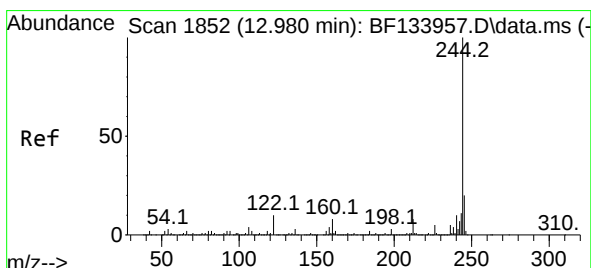
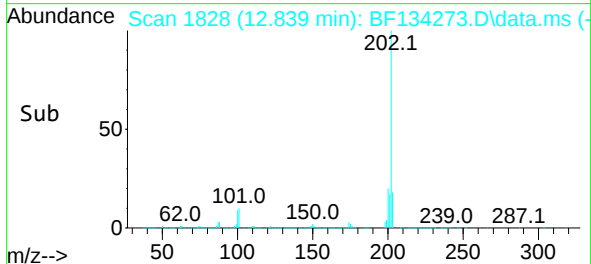
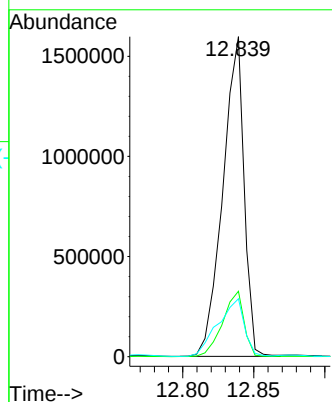
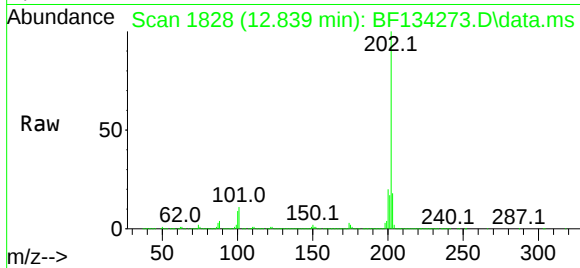




#78
Pyrene
Concen: 33137.593 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

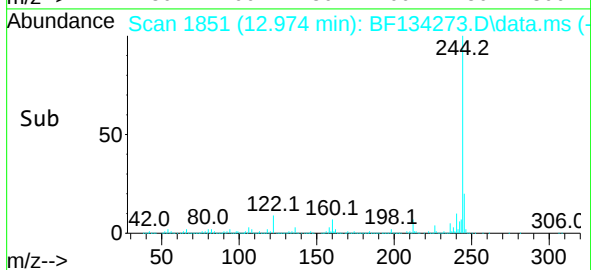
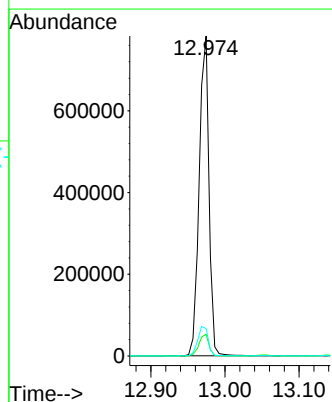
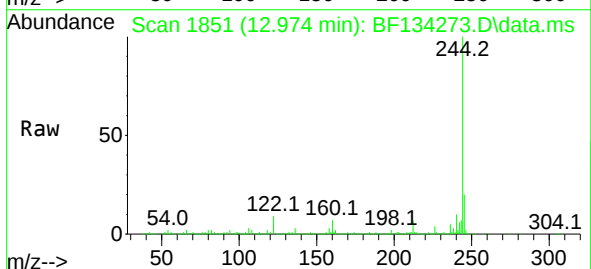
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

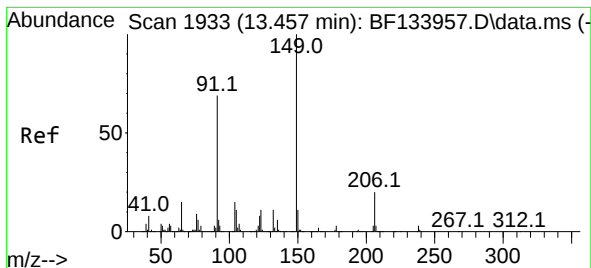
Tgt Ion:202 Resp: 1659140
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 18.1 14.3 21.5



#79
Terphenyl-d14
Concen: 21433.064 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:244 Resp: 716469
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 8.6 8.3 12.5





#80

Butylbenzylphthalate

Concen: 14932.135 ng

RT: 13.451 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

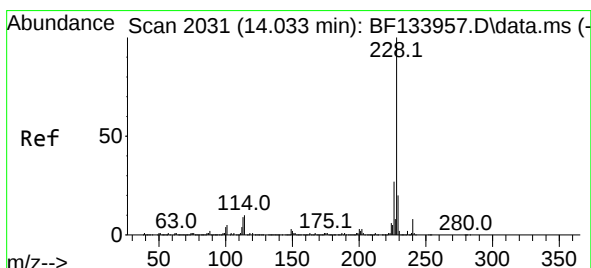
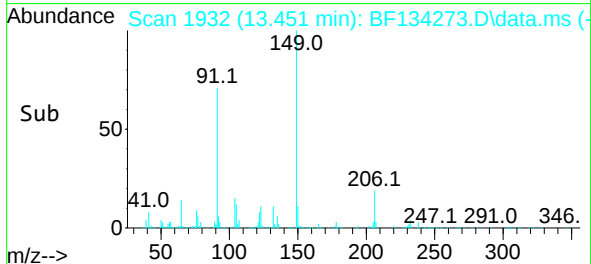
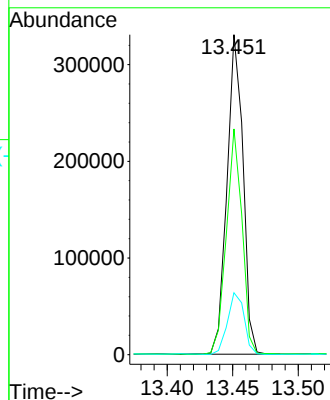
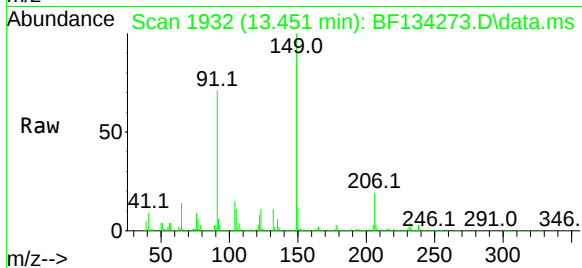
Tgt Ion:149 Resp: 280395

Ion Ratio Lower Upper

149 100

91 70.6 55.1 82.7

206 19.3 15.7 23.5



#81

Benzo(a)anthracene

Concen: 30055.582 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.041 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

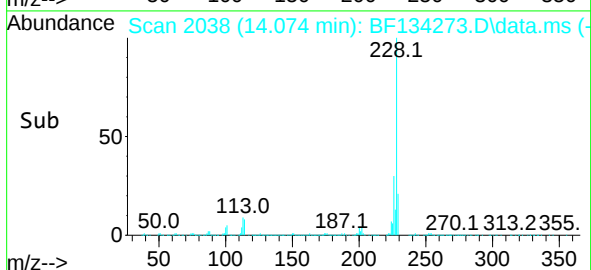
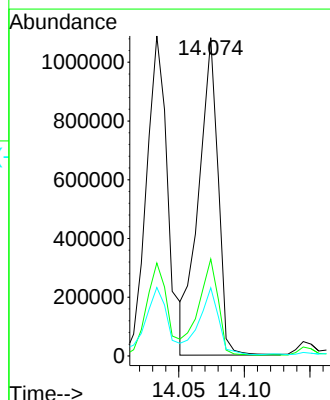
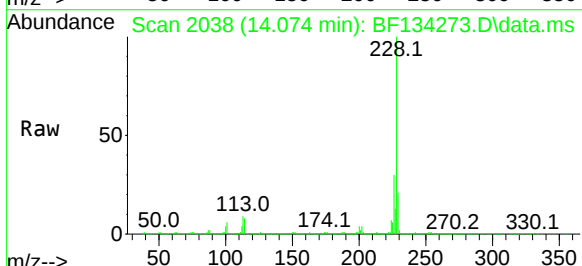
Tgt Ion:228 Resp: 1121413

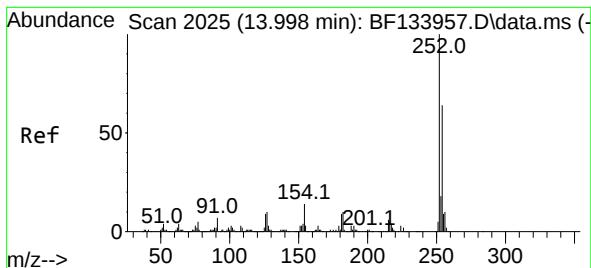
Ion Ratio Lower Upper

228 100

226 30.5 22.0 33.0

229 21.4 16.3 24.5

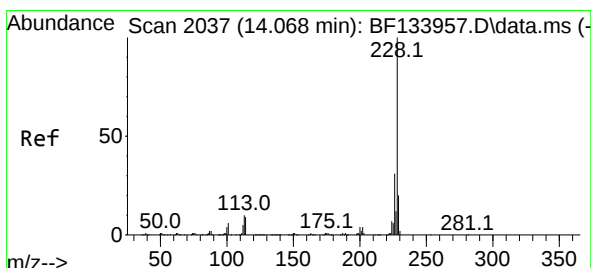
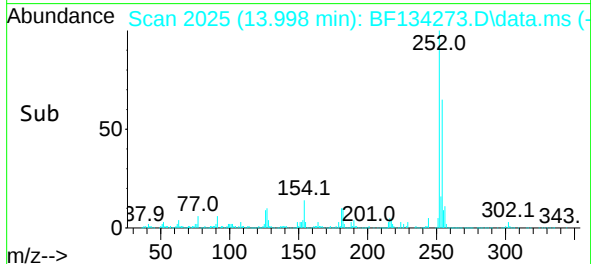
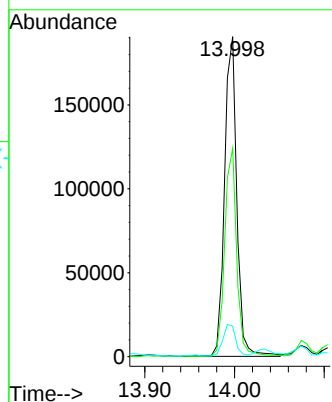
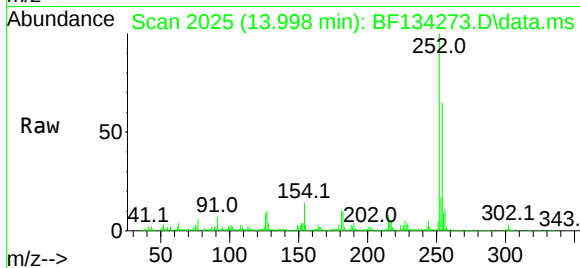




#82
 3,3'-Dichlorobenzidine
 Concen: 15283.840 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.006 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

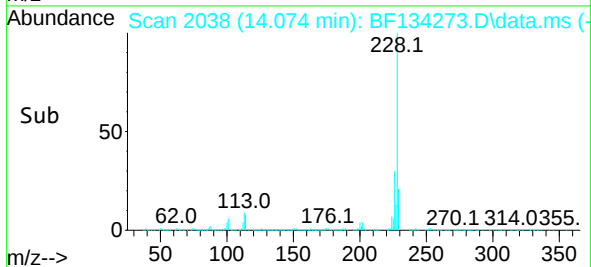
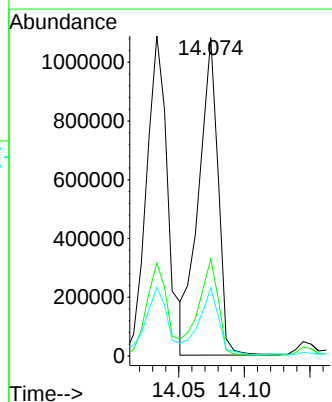
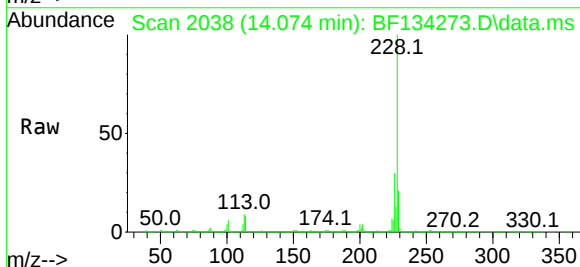
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MSD

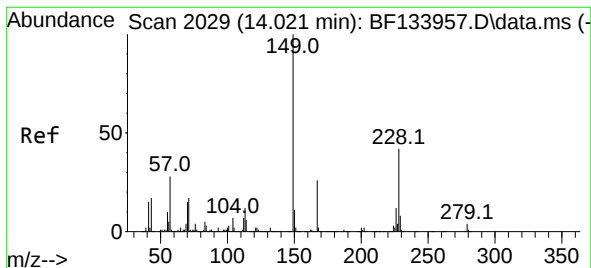
Tgt Ion:252 Resp: 180670
 Ion Ratio Lower Upper
 252 100
 254 65.1 51.4 77.0
 126 9.5 7.4 11.2



#83
 Chrysene
 Concen: 31031.053 ng
 RT: 14.074 min Scan# 2038
 Delta R.T. 0.006 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

Tgt Ion:228 Resp: 1121413
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.4 36.6
 229 21.4 16.1 24.1

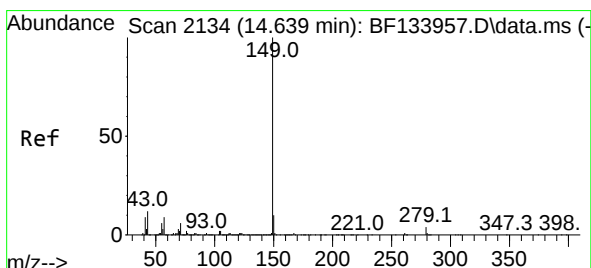
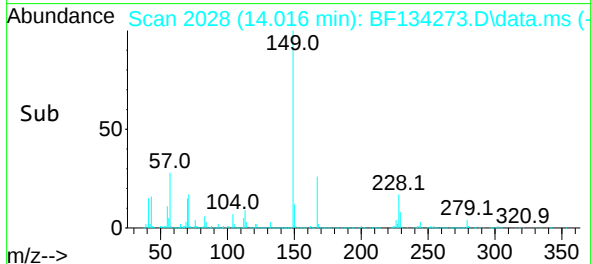
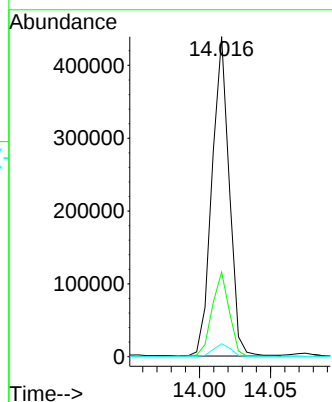
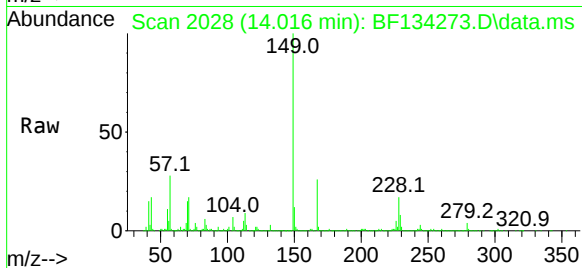




#84
Bis(2-ethylhexyl)phthalate
Concen: 17112.995 ng
RT: 14.016 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

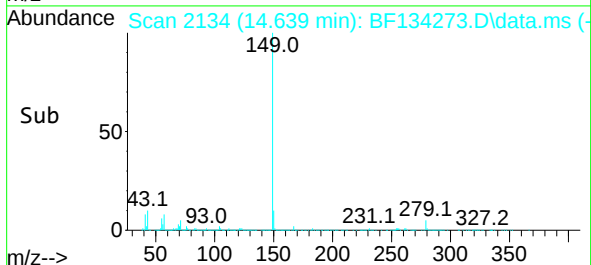
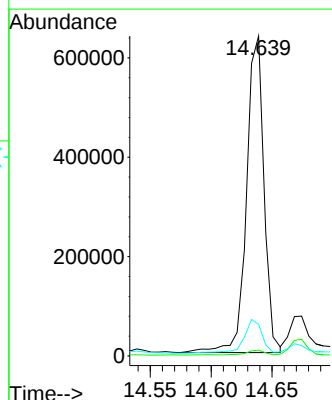
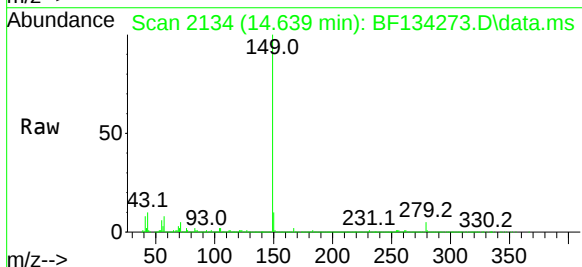
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

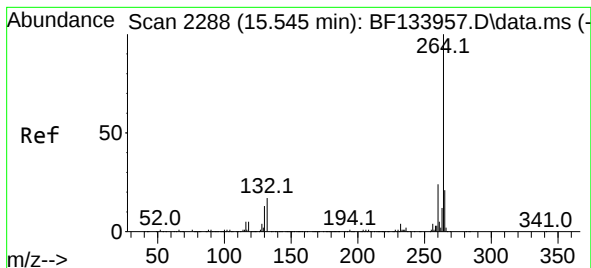
Tgt Ion:149 Resp: 369246
Ion Ratio Lower Upper
149 100
167 26.4 21.0 31.4
279 4.0 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 20142.963 ng
RT: 14.639 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:149 Resp: 638621
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 12.1 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

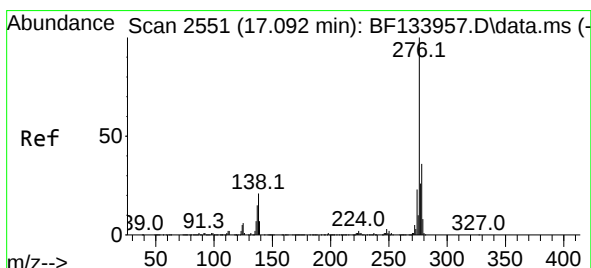
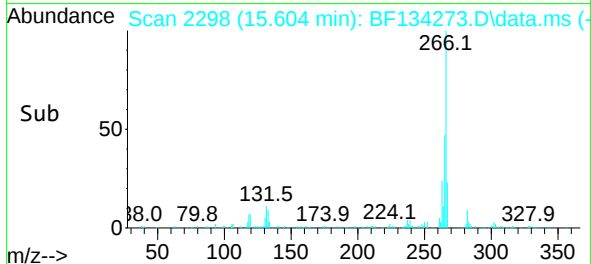
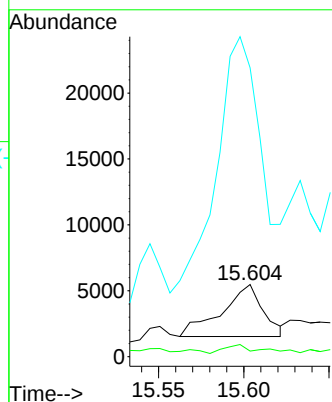
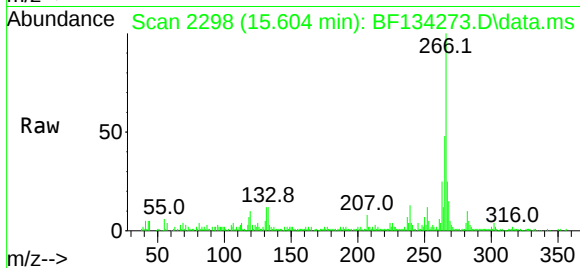
Tgt Ion:264 Resp: 6719

Ion Ratio Lower Upper

264 100

260 7.9 19.5 29.3#

265 400.4 16.6 25.0#



#87

Indeno(1,2,3-cd)pyrene

Concen: 1442.993 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.012 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

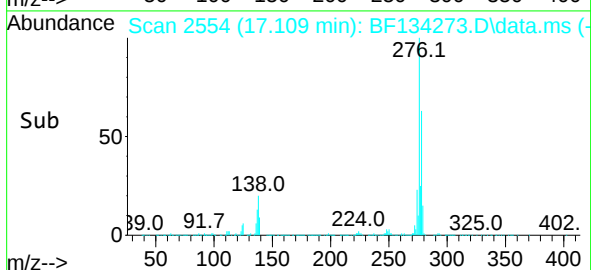
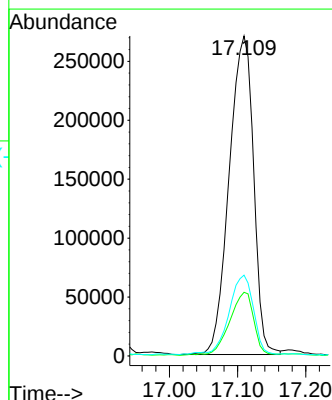
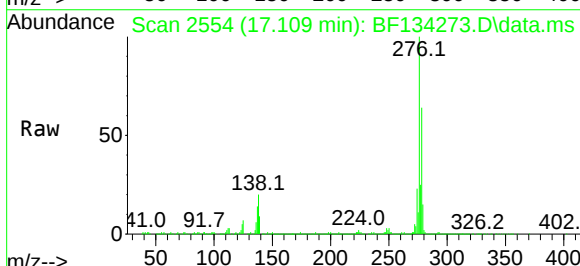
Tgt Ion:276 Resp: 672769

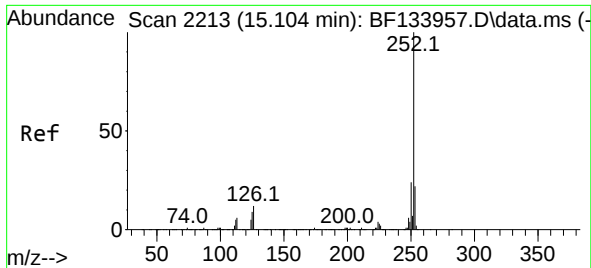
Ion Ratio Lower Upper

276 100

138 19.6 18.7 28.1

277 24.8 19.9 29.9

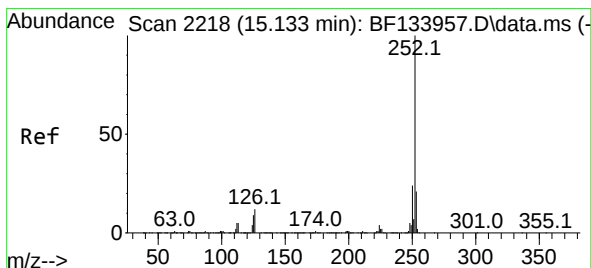
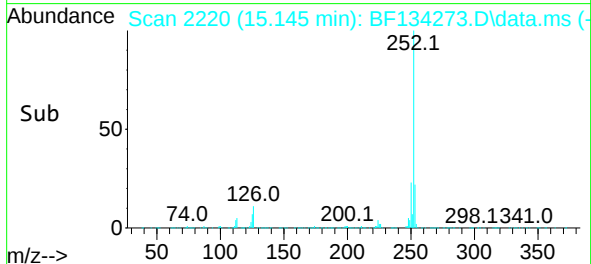
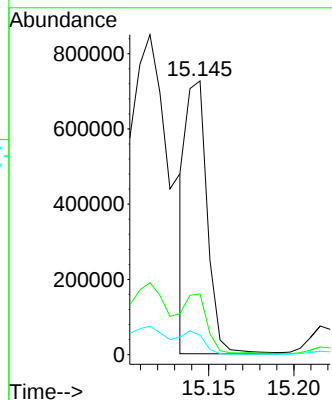
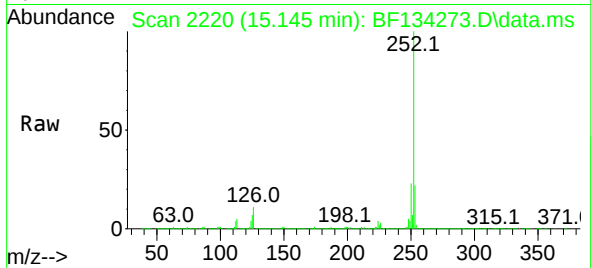




#88
Benzo(b)fluoranthene
Concen: 1565.473 ng
RT: 15.145 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

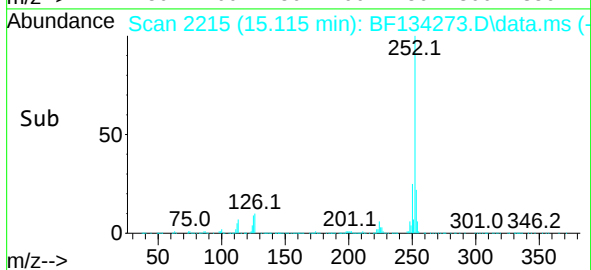
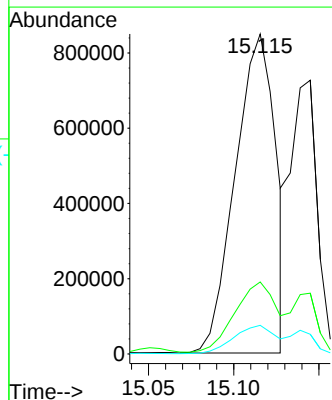
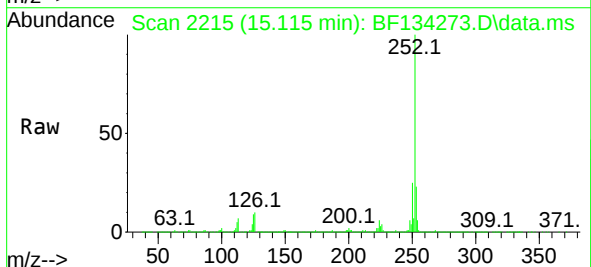
Instrument :
BNA_F
ClientSampleId :
VNJ-225MSD

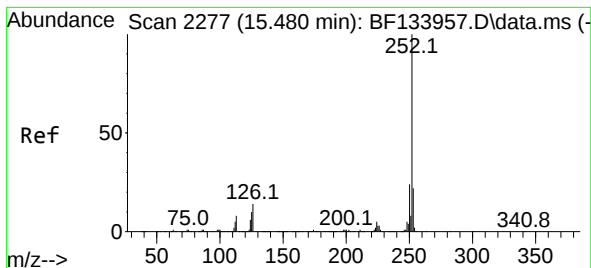
Tgt Ion:252 Resp: 618491
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 7.2 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 3465.966 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.018 min
Lab File: BF134273.D
Acq: 13 Jul 2023 21:34

Tgt Ion:252 Resp: 1394202
Ion Ratio Lower Upper
252 100
253 22.5 16.9 25.3
125 9.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 2212.740 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

VNJ-225MSD

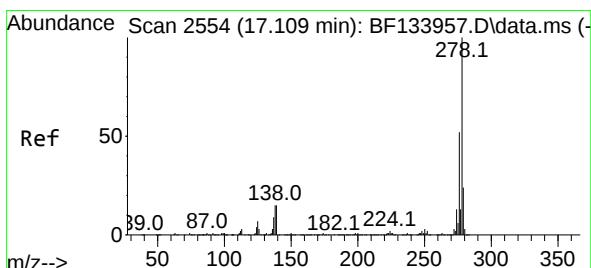
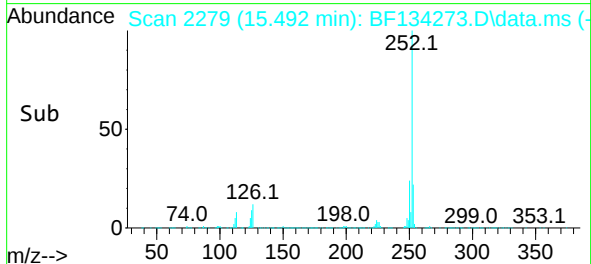
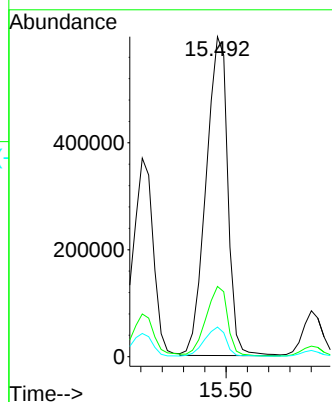
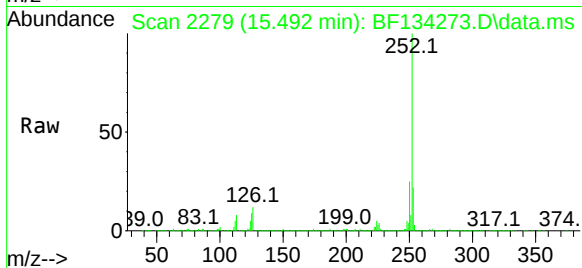
Tgt Ion:252 Resp: 845356

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.3 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 1081.780 ng

RT: 17.121 min Scan# 2556

Delta R.T. 0.006 min

Lab File: BF134273.D

Acq: 13 Jul 2023 21:34

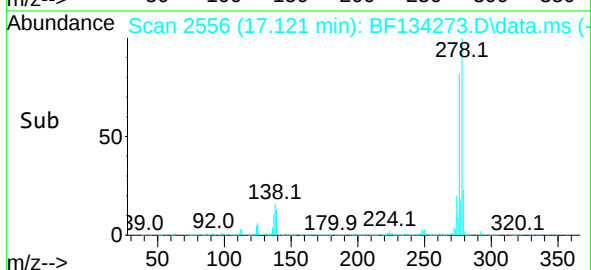
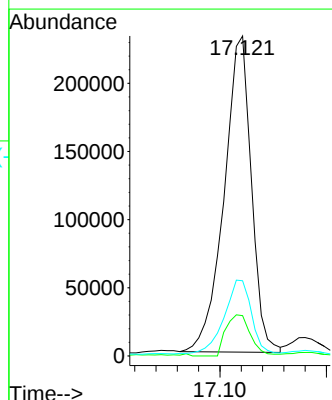
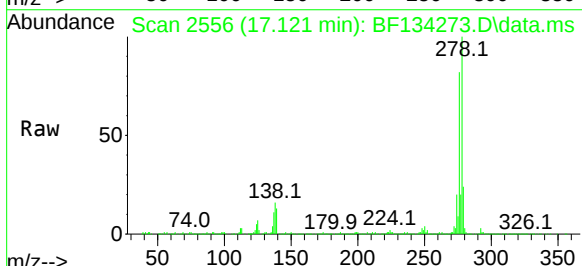
Tgt Ion:278 Resp: 411956

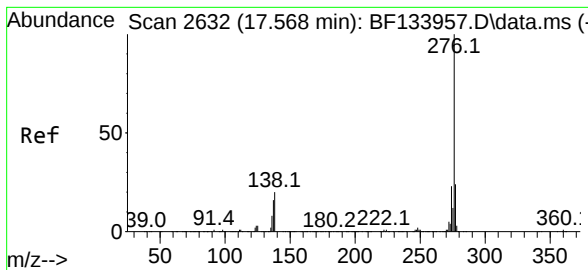
Ion Ratio Lower Upper

278 100

139 12.6 12.2 18.4

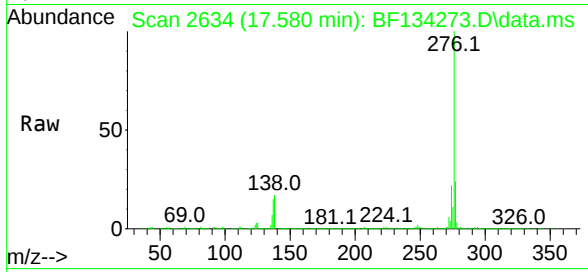
279 23.5 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 1423.922 ng
 RT: 17.580 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134273.D
 Acq: 13 Jul 2023 21:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225MSD



Tgt Ion:	276	Resp:	559187
Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	17.2	16.2	24.2

