

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134347.D
 Acq On : 18 Jul 2023 20:17
 Operator : CG\JU
 Sample : 03615-04MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD

Quant Time: Jul 19 01:41:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	70957	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	269977	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	131801	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	236012	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	148211	20.000	ng	0.00
86) Perylene-d12	15.539	264	149577	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	356930	84.144	ng	0.02
7) Phenol-d6	6.487	99	439602	84.268	ng	0.00
23) Nitrobenzene-d5	7.404	82	306852	61.268	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	153027	92.602	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	606899	66.947	ng	0.00
79) Terphenyl-d14	12.969	244	575073	62.447	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	67310	38.484	ng	98
3) Pyridine	3.481	79	158260	34.738	ng	97
4) n-Nitrosodimethylamine	3.446	42	105758	40.645	ng	100
6) Aniline	6.504	93	226744	35.719	ng	# 42
8) 2-Chlorophenol	6.628	128	194823	45.244	ng	98
9) Benzaldehyde	6.393	77	122052	43.607	ng	96
10) Phenol	6.498	94	232571	42.402	ng	79
11) bis(2-Chloroethyl)ether	6.575	93	178746	44.264	ng	99
12) 1,3-Dichlorobenzene	6.781	146	213772	46.566	ng	98
13) 1,4-Dichlorobenzene	6.857	146	212921	45.919	ng	96
14) 1,2-Dichlorobenzene	7.004	146	205368	47.291	ng	98
15) Benzyl Alcohol	6.987	79	181011	45.010	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.116	45	262843	36.792	ng	86
17) 2-Methylphenol	7.098	107	157014	40.720	ng	94
18) Hexachloroethane	7.345	117	80751	46.967	ng	98
19) n-Nitroso-di-n-propyla...	7.257	70	145114	43.864	ng	95
20) 3+4-Methylphenols	7.251	107	200496	42.860	ng	94
22) Acetophenone	7.251	105	284222	46.291	ng	96
24) Nitrobenzene	7.422	77	211968	41.882	ng	95
25) Isophorone	7.663	82	384135	42.202	ng	97
26) 2-Nitrophenol	7.740	139	106434	43.838	ng	93
27) 2,4-Dimethylphenol	7.781	122	169705	44.158	ng	97
28) bis(2-Chloroethoxy)met...	7.869	93	219302	41.609	ng	99
29) 2,4-Dichlorophenol	7.981	162	161829	42.465	ng	95
30) 1,2,4-Trichlorobenzene	8.057	180	180991	46.027	ng	97
31) Naphthalene	8.140	128	550936	42.247	ng	99
32) Benzoic acid	7.922	122	118949	41.305	ng	98
33) 4-Chloroaniline	8.198	127	145689	26.117	ng	99
34) Hexachlorobutadiene	8.251	225	119711	48.261	ng	99
35) Caprolactam	8.575	113	37910	30.212	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	184326	43.055	ng	93
37) 2-Methylnaphthalene	8.834	142	371140	40.246	ng	100
38) 1-Methylnaphthalene	8.934	142	348151	40.610	ng	98
40) 1,2,4,5-Tetrachloroben...	8.998	216	178429	45.695	ng	99
41) Hexachlorocyclopentadiene	8.981	237	97079	52.404	ng	98
43) 2,4,6-Trichlorophenol	9.116	196	116978	44.007	ng	98

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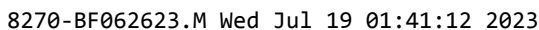
Instrument :
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 ClientSampleId :
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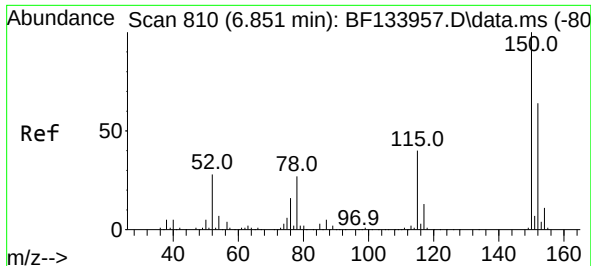
Quant Time: Jul 19 01:41:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	123041	39.351	ng	94
46) 1,1'-Biphenyl	9.298	154	468871	44.348	ng	98
47) 2-Chloronaphthalene	9.322	162	346148	44.747	ng	97
48) 2-Nitroaniline	9.428	65	114099	40.472	ng	92
49) Acenaphthylene	9.739	152	550306	41.645	ng	99
50) Dimethylphthalate	9.604	163	421060	44.010	ng	99
51) 2,6-Dinitrotoluene	9.669	165	89686	43.523	ng	93
52) Acenaphthene	9.910	154	329848	43.018	ng	99
53) 3-Nitroaniline	9.839	138	84902	34.344	ng	96
54) 2,4-Dinitrophenol	9.957	184	67770	58.060	ng	97
55) Dibenzofuran	10.086	168	502836	41.961	ng	99
56) 4-Nitrophenol	10.016	139	122238	70.690	ng	92
57) 2,4-Dinitrotoluene	10.081	165	116198	42.698	ng	# 85
58) Fluorene	10.428	166	396228	42.500	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	93110	37.752	ng	90
60) Diethylphthalate	10.304	149	443290	44.472	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	196641	43.767	ng	97
62) 4-Nitroaniline	10.463	138	86769	34.828	ng	94
63) Azobenzene	10.581	77	382077	40.523	ng	97
65) 4,6-Dinitro-2-methylph...	10.492	198	47724	37.090	ng	99
66) n-Nitrosodiphenylamine	10.545	169	343741	45.585	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	119117	47.485	ng	# 91
68) Hexachlorobenzene	10.980	284	133618	50.167	ng	98
69) Atrazine	11.075	200	112586	53.977	ng	97
70) Pentachlorophenol	11.180	266	116997	73.466	ng	98
71) Phenanthrene	11.398	178	532429	44.813	ng	99
72) Anthracene	11.451	178	528678	42.781	ng	100
73) Carbazole	11.610	167	470472	41.593	ng	98
74) Di-n-butylphthalate	11.933	149	632572	47.027	ng	99
75) Fluoranthene	12.598	202	593948	46.241	ng	96
77) Benzidine	12.722	184	204973	58.122	ng	98
78) Pyrene	12.827	202	577860	41.895	ng	99
80) Butylbenzylphthalate	13.445	149	222896	43.088	ng	97
81) Benzo(a)anthracene	14.027	228	486149	47.297	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	150081	46.087	ng	99
83) Chrysene	14.063	228	449475	45.148	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	308509	51.901	ng	100
85) Di-n-octyl phthalate	14.627	149	495143	56.691	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	398294	38.374	ng	# 94
88) Benzo(b)fluoranthene	15.098	252	439814	50.006	ng	98
89) Benzo(k)fluoranthene	15.127	252	425590	47.526	ng	98
90) Benzo(a)pyrene	15.410	252	26818	3.153	ng	98
91) Dibenzo(a,h)anthracene	17.110	278	321086	37.875	ng	# 94
92) Benzo(g,h,i)perylene	17.568	276	304980	34.885	ng	# 93

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

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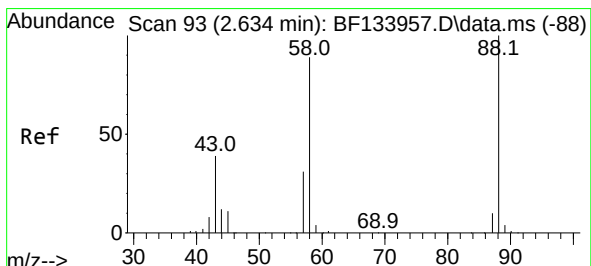
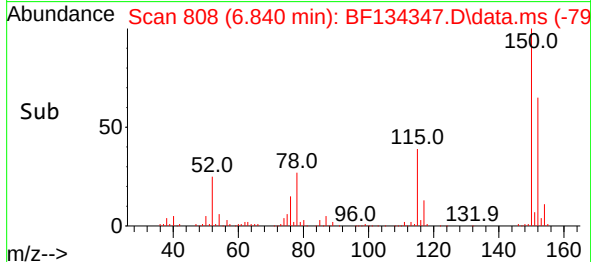
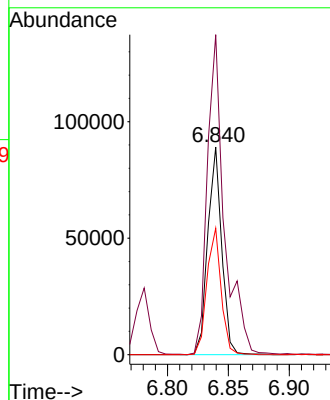
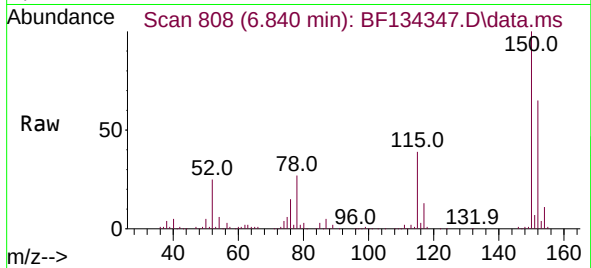




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 810
 Delta R.T. -0.005 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

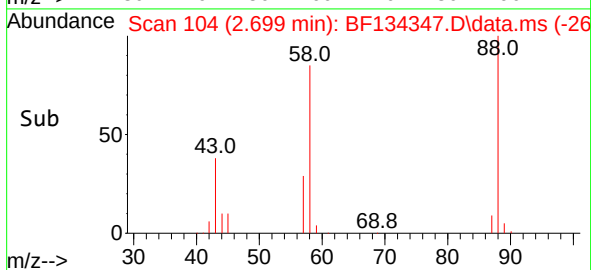
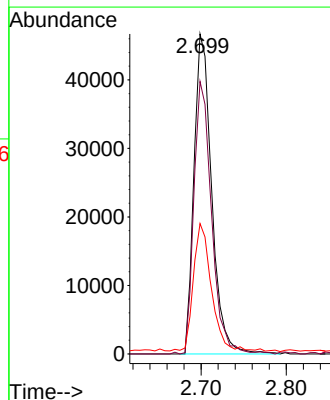
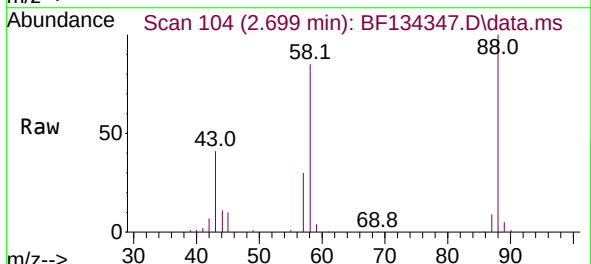
Instrument :
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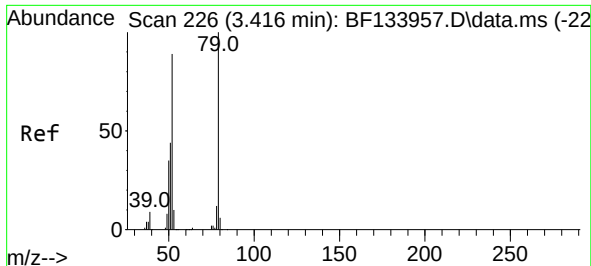
Tgt Ion:152 Resp: 70957
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.5 186.7
 115 60.9 50.2 75.2



#2
 1,4-Dioxane
 Concen: 38.484 ng
 RT: 2.699 min Scan# 104
 Delta R.T. 0.106 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

Tgt Ion: 88 Resp: 67310
 Ion Ratio Lower Upper
 88 100
 58 85.2 68.8 103.2
 43 40.2 30.7 46.1

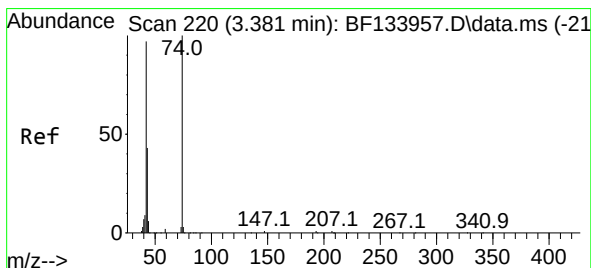
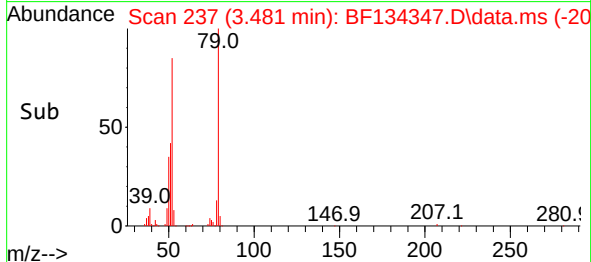
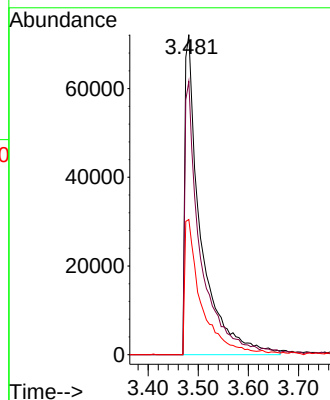
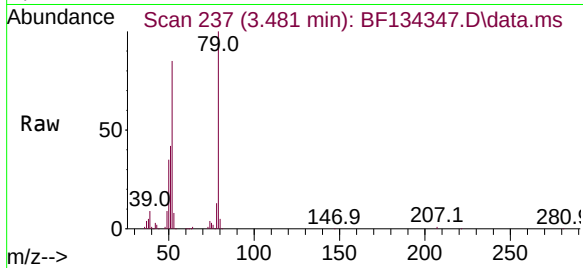




#3
 Pyridine
 Concen: 34.738 ng
 RT: 3.481 min Scan# 21
 Delta R.T. 0.100 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

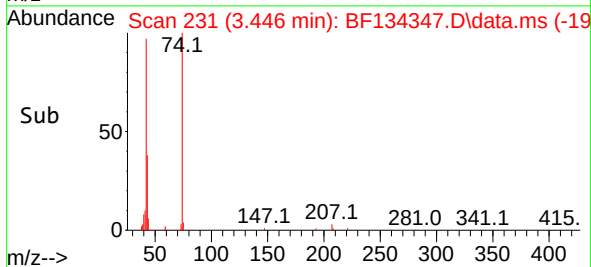
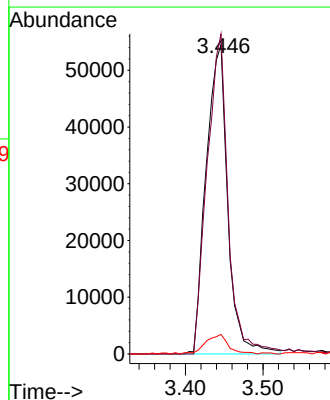
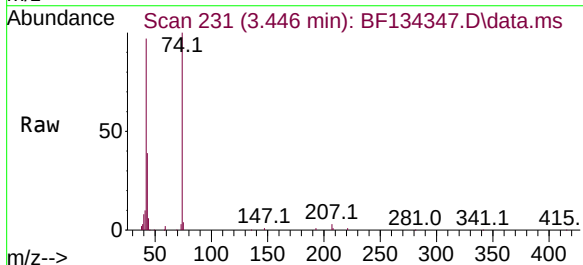
Instrument :
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 ClientSampleId :
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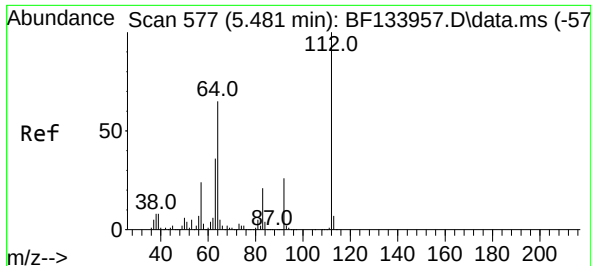
Tgt Ion: 79 Resp: 158260
 Ion Ratio Lower Upper
 79 100
 52 85.4 71.1 106.7
 51 42.3 35.2 52.8



#4
 n-Nitrosodimethylamine
 Concen: 40.645 ng
 RT: 3.446 min Scan# 231
 Delta R.T. 0.106 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

Tgt Ion: 42 Resp: 105758
 Ion Ratio Lower Upper
 42 100
 74 103.5 82.4 123.6
 44 6.3 4.9 7.3

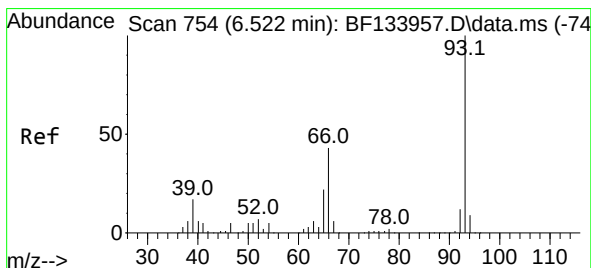
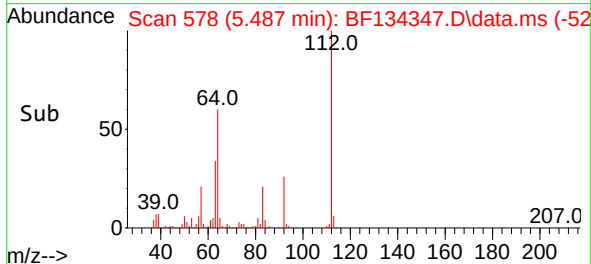
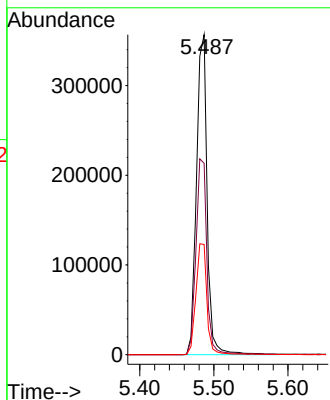
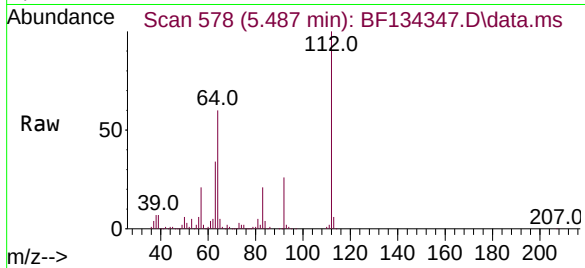




#5
2-Fluorophenol
Concen: 84.144 ng
RT: 5.487 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

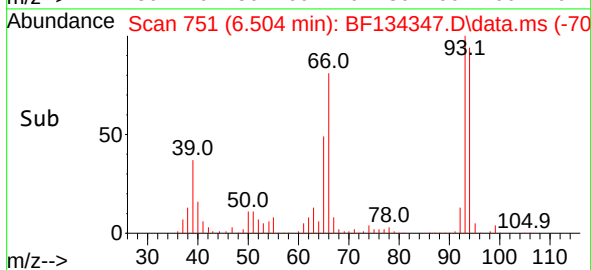
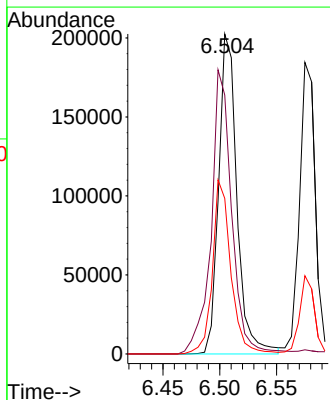
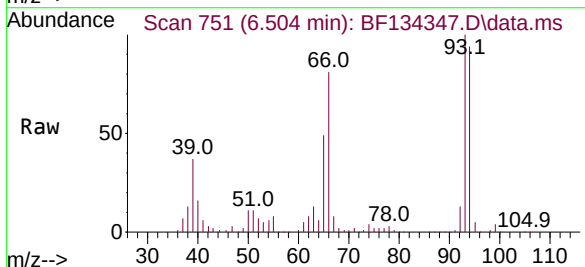
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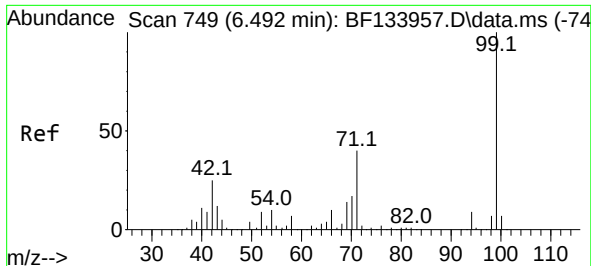
Tgt Ion:112 Resp: 356930
Ion Ratio Lower Upper
112 100
64 59.8 52.1 78.1
63 34.5 28.6 42.8



#6
Aniline
Concen: 35.719 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion: 93 Resp: 226744
Ion Ratio Lower Upper
93 100
66 80.9 34.5 51.7#
65 48.6 17.8 26.6#

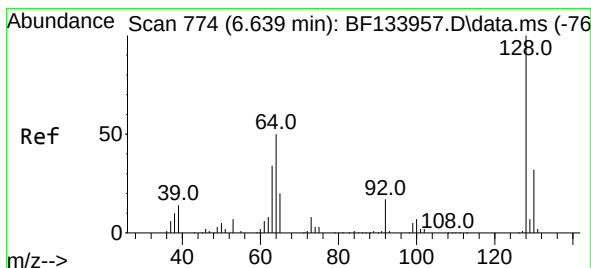
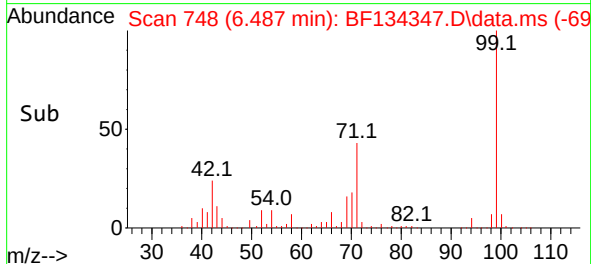
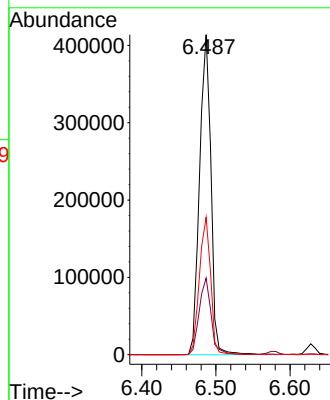
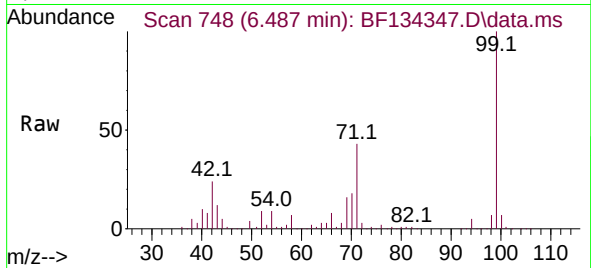




#7
Phenol-d6
Concen: 84.268 ng
RT: 6.487 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

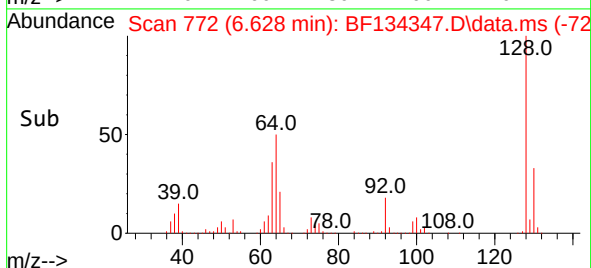
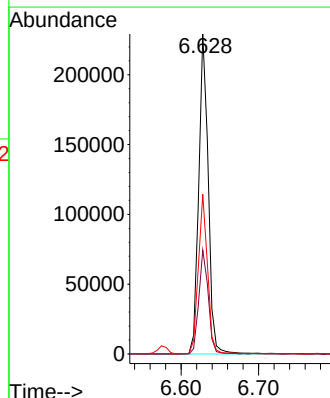
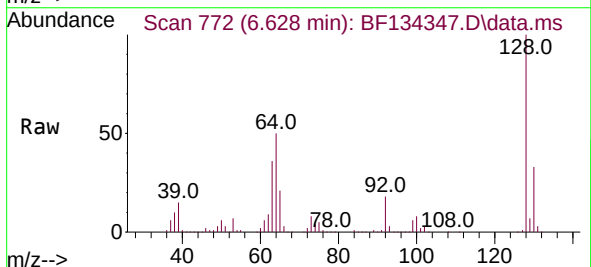
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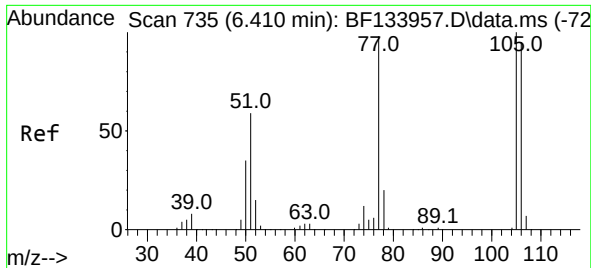
Tgt Ion: 99 Resp: 439602
Ion Ratio Lower Upper
99 100
42 24.0 19.8 29.6
71 42.9 31.9 47.9



#8
2-Chlorophenol
Concen: 45.244 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion: 128 Resp: 194823
Ion Ratio Lower Upper
128 100
130 32.5 11.7 51.7
64 49.9 31.3 71.3





#9

Benzaldehyde

Concen: 43.607 ng

RT: 6.393 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

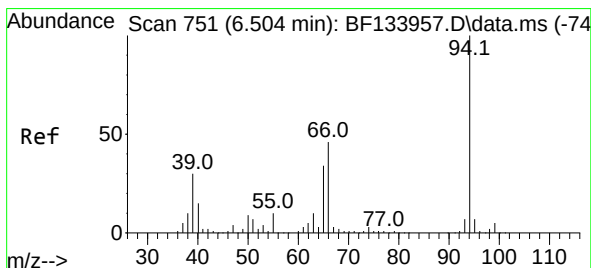
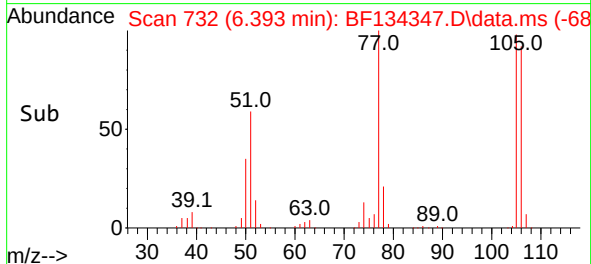
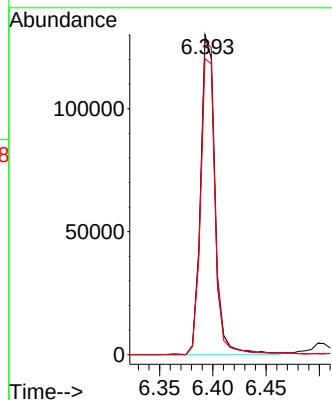
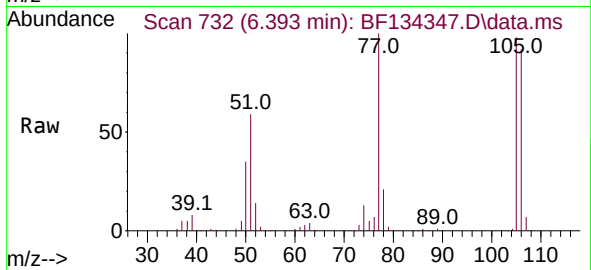
Tgt Ion: 77 Resp: 122052

Ion Ratio Lower Upper

77 100

105 98.0 82.0 122.0

106 92.5 76.9 116.9



#10

Phenol

Concen: 42.402 ng

RT: 6.498 min Scan# 750

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

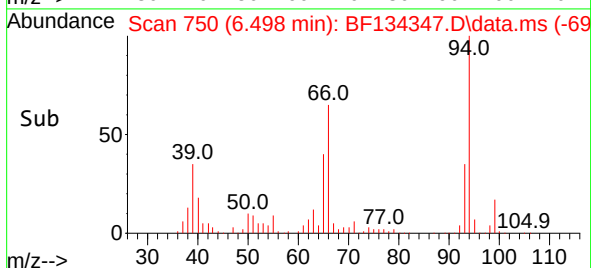
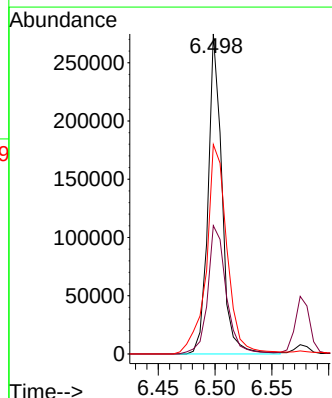
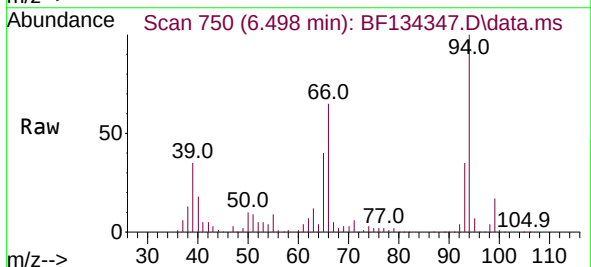
Tgt Ion: 94 Resp: 232571

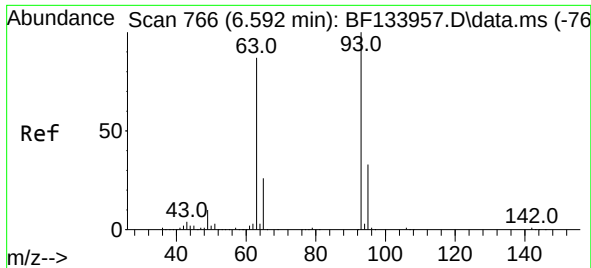
Ion Ratio Lower Upper

94 100

65 40.1 14.2 54.2

66 65.4 26.4 66.4

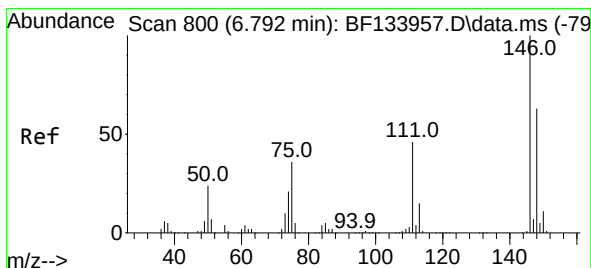
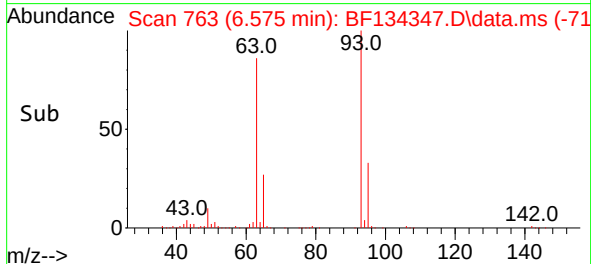
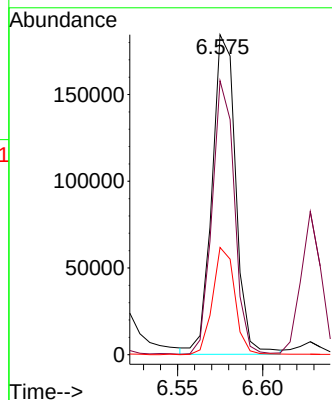
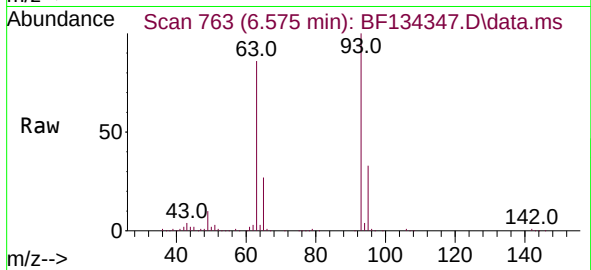




#11
bis(2-Chloroethyl)ether
Concen: 44.264 ng
RT: 6.575 min Scan# 766
Delta R.T. -0.012 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

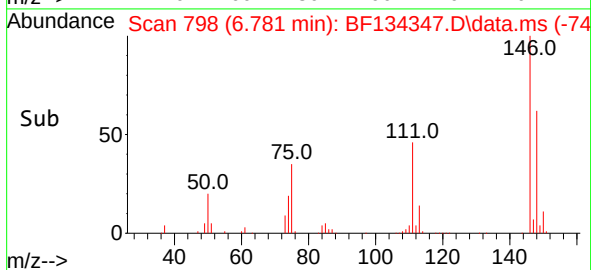
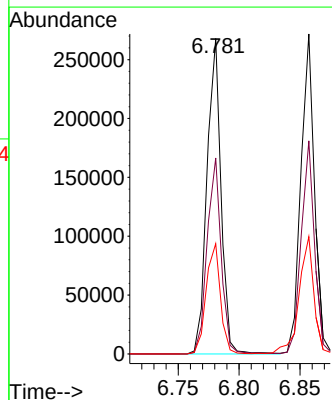
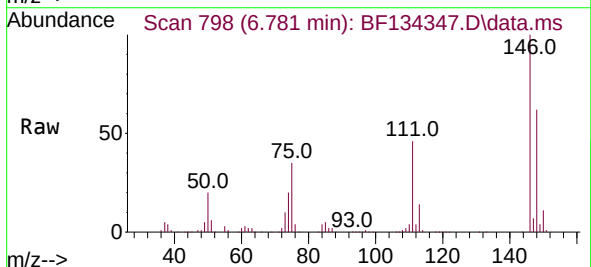
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

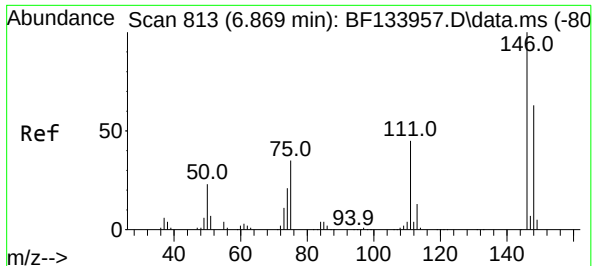
Tgt Ion: 93 Resp: 178746
Ion Ratio Lower Upper
93 100
63 85.6 66.5 106.5
95 33.5 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 46.566 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:146 Resp: 213772
Ion Ratio Lower Upper
146 100
148 62.2 50.5 75.7
75 35.0 29.0 43.6

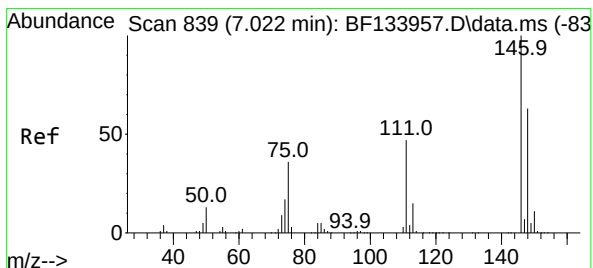
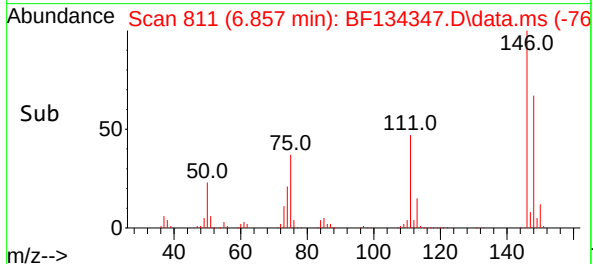
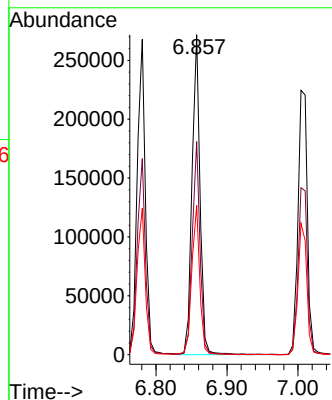
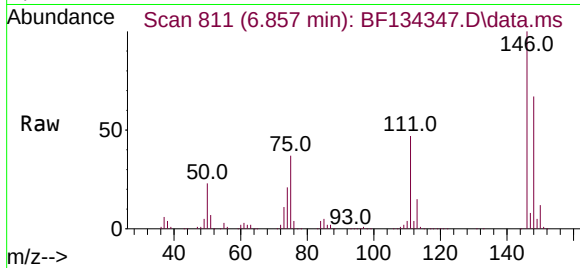




#13
1,4-Dichlorobenzene
Concen: 45.919 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

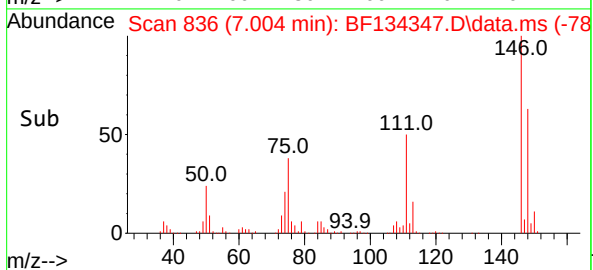
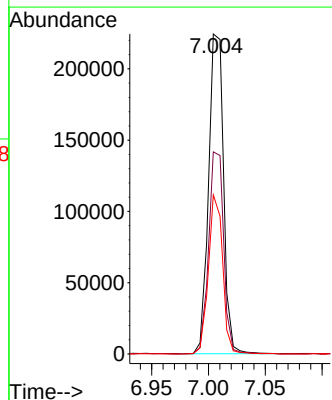
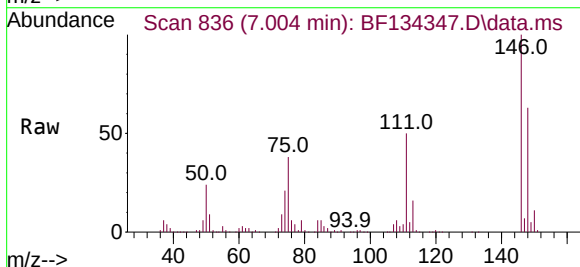
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

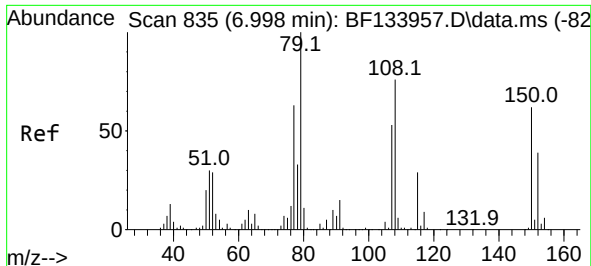
Tgt Ion:146 Resp: 212921
Ion Ratio Lower Upper
146 100
148 66.6 50.2 75.2
111 46.6 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 47.291 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:146 Resp: 205368
Ion Ratio Lower Upper
146 100
148 63.1 50.6 76.0
111 49.7 38.0 57.0

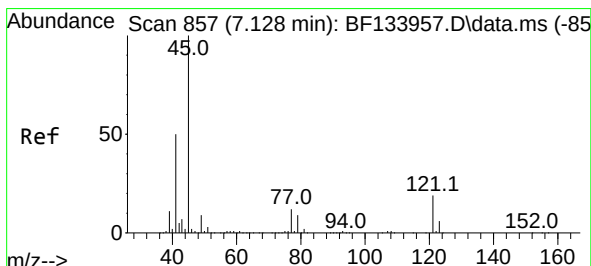
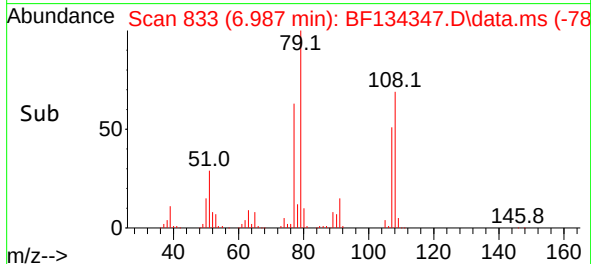
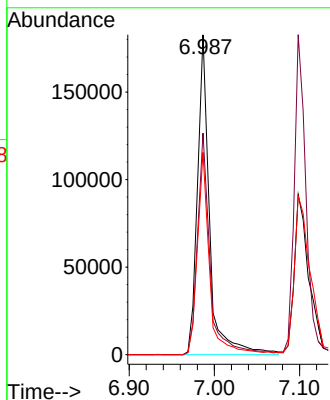
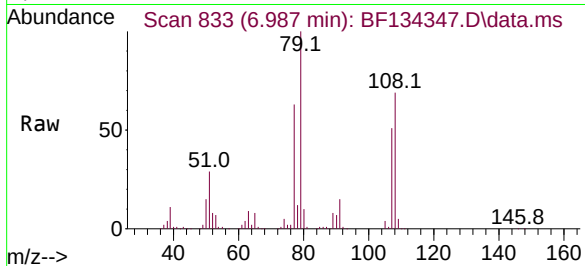




#15
Benzyl Alcohol
Concen: 45.010 ng
RT: 6.987 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

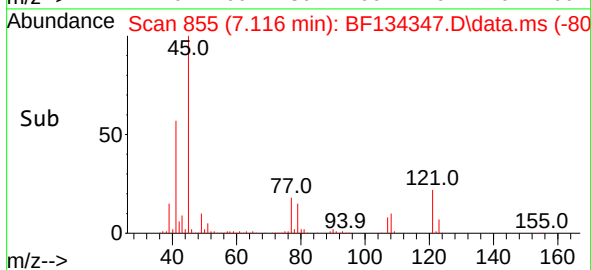
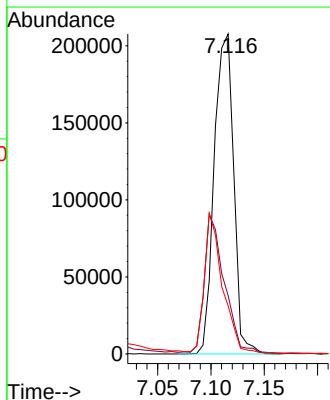
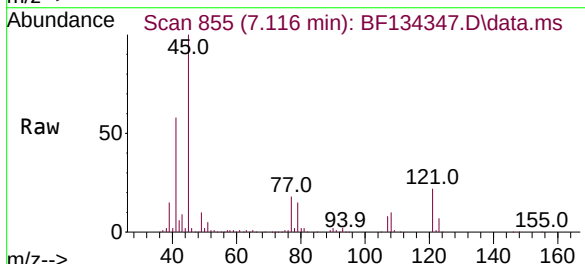
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

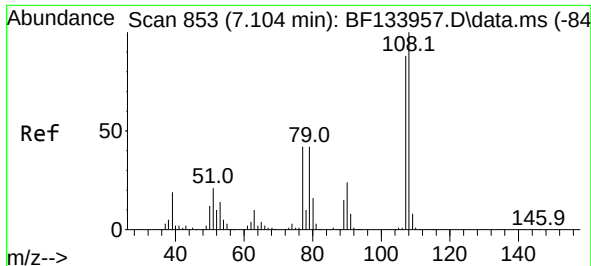
Tgt Ion: 79 Resp: 181011
Ion Ratio Lower Upper
79 100
108 69.3 60.7 91.1
77 63.3 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.792 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion: 45 Resp: 262843
Ion Ratio Lower Upper
45 100
77 18.3 0.0 32.9
79 15.1 0.0 29.5



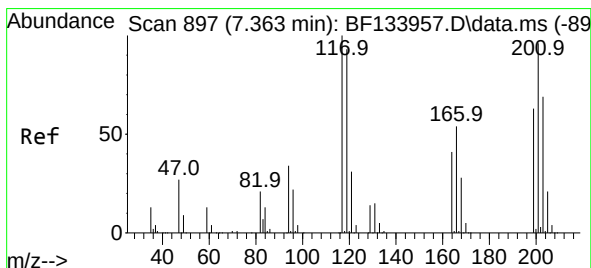
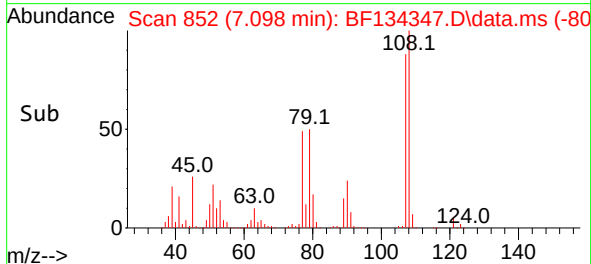
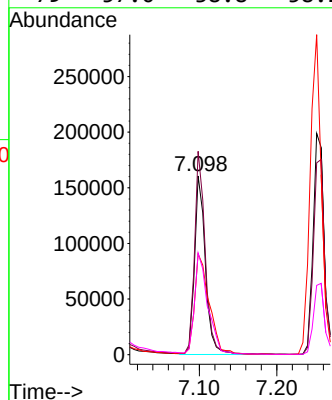
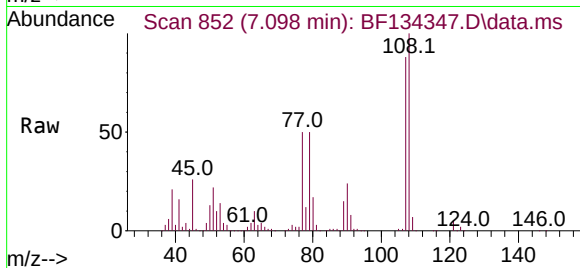


#17
2-Methylphenol
Concen: 40.720 ng
RT: 7.098 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

Tgt Ion:107 Resp: 157014

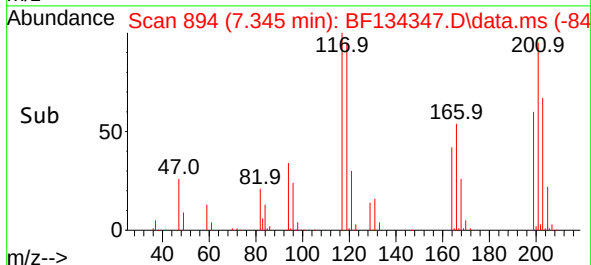
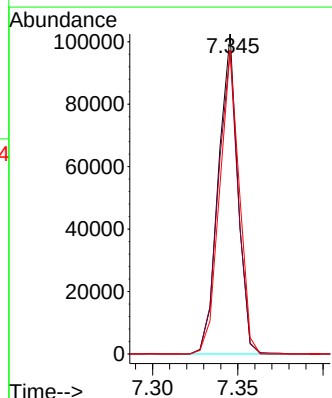
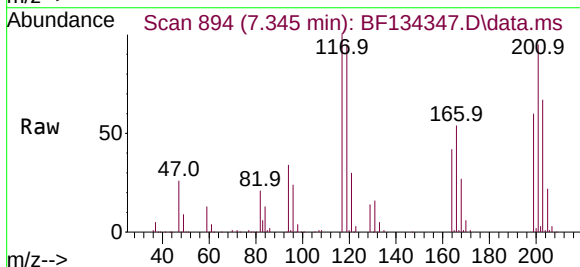
Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.6	136.0
77	56.4	38.3	57.5
79	57.0	38.8	58.2

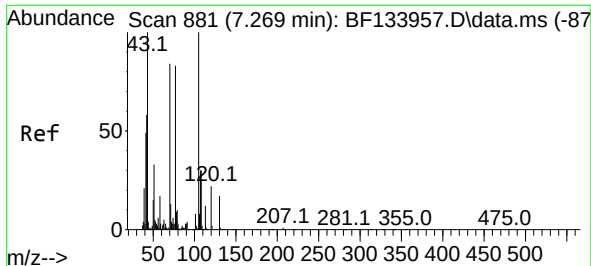


#18
Hexachloroethane
Concen: 46.967 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:117 Resp: 80751

Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.2	111.4
201	95.1	77.2	115.8

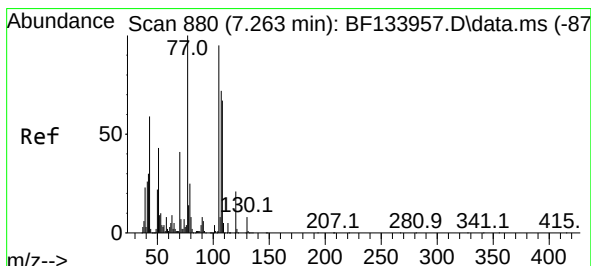
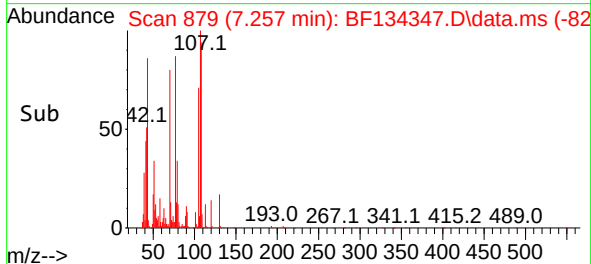
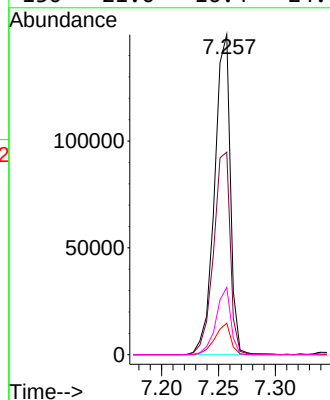
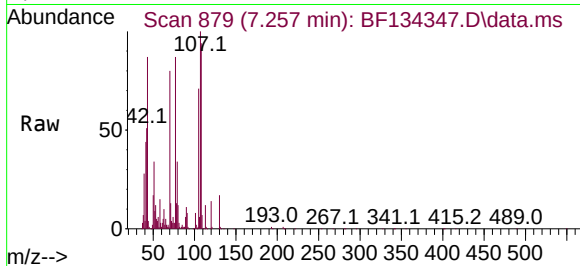




#19
n-Nitroso-di-n-propylamine
Concen: 43.864 ng
RT: 7.257 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

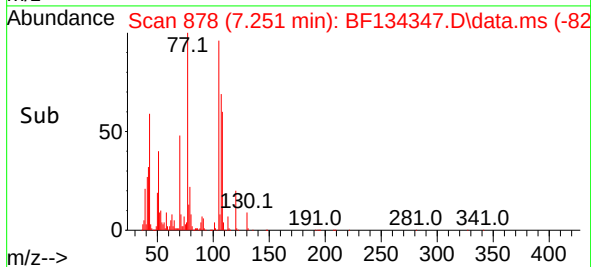
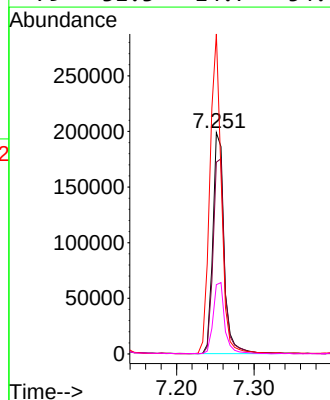
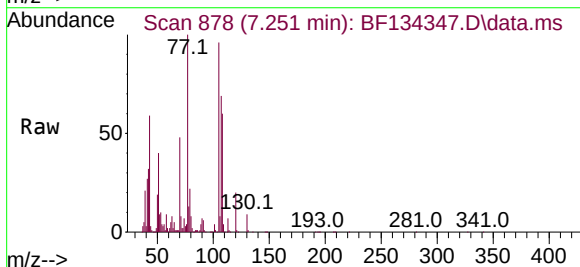
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

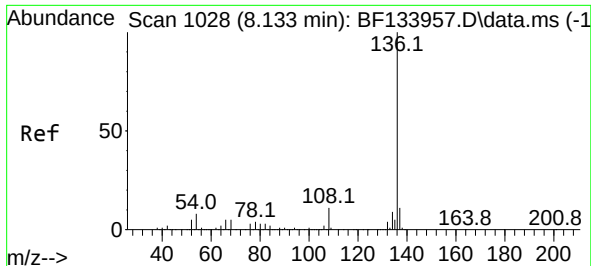
Tgt Ion: 70 Resp: 145114
Ion Ratio Lower Upper
70 100
42 63.3 54.7 82.1
101 9.9 7.7 11.5
130 21.0 16.4 24.6



#20
3+4-Methylphenols
Concen: 42.860 ng
RT: 7.251 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion: 107 Resp: 200496
Ion Ratio Lower Upper
107 100
108 86.7 73.2 113.2
77 144.6 118.3 158.3
79 31.3 14.7 54.7

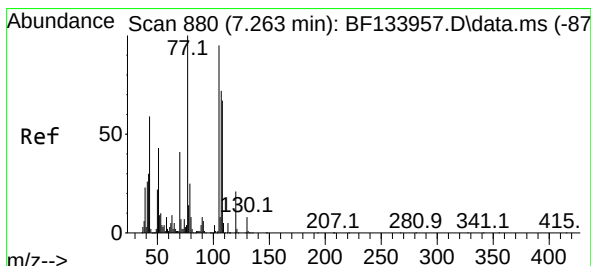
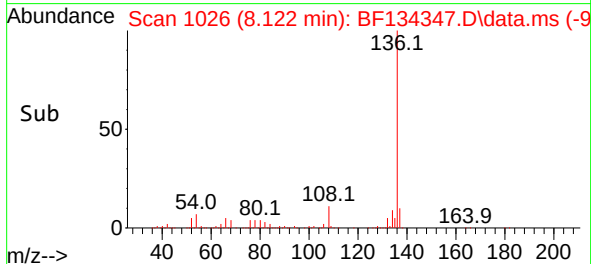
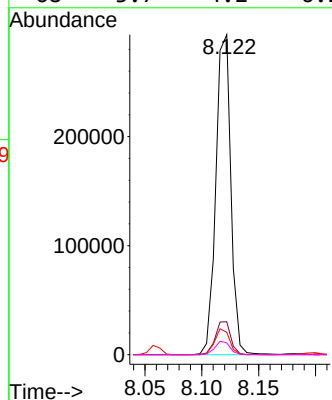
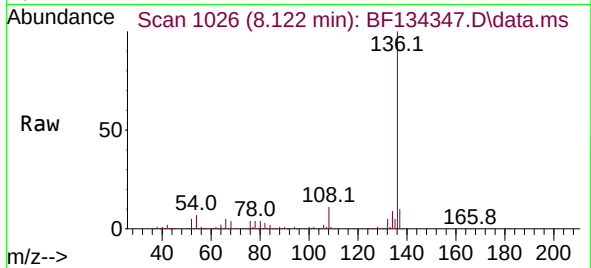




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

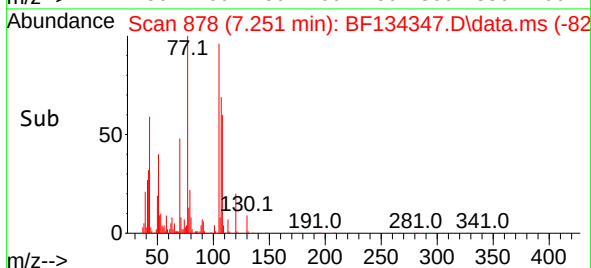
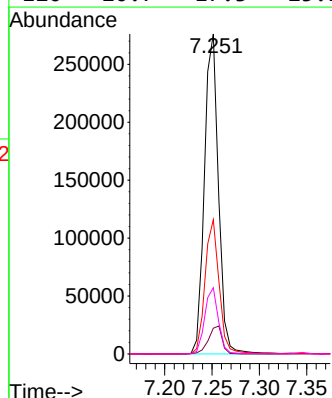
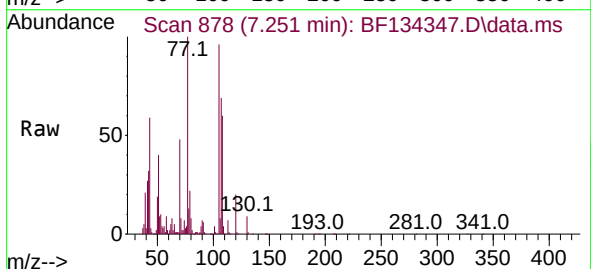
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

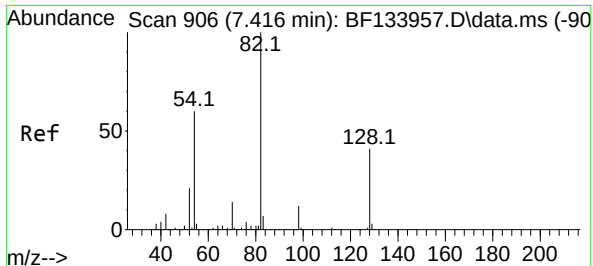
Tgt Ion:136 Resp: 269977
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 7.0 6.5 9.7
68 3.7 4.2 6.2#



#22
Acetophenone
Concen: 46.291 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:105 Resp: 284222
Ion Ratio Lower Upper
105 100
71 8.0 5.5 8.3
51 42.0 36.5 54.7
120 20.7 17.3 25.9





#23

Nitrobenzene-d5

Concen: 61.268 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

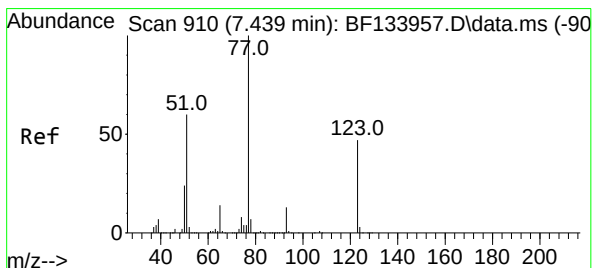
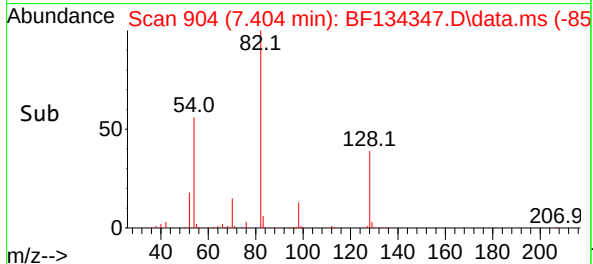
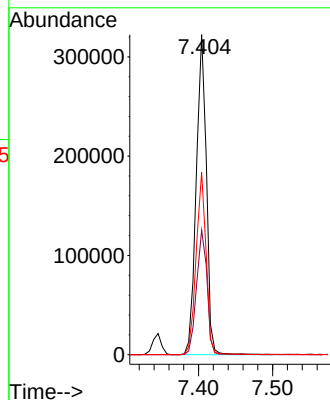
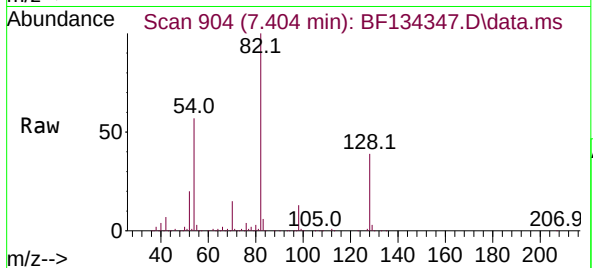
Tgt Ion: 82 Resp: 306852

Ion Ratio Lower Upper

82 100

128 38.9 32.5 48.7

54 57.0 48.2 72.2



#24

Nitrobenzene

Concen: 41.882 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

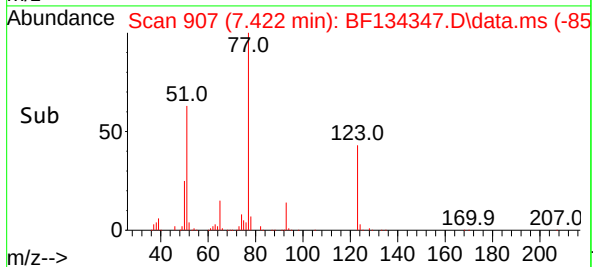
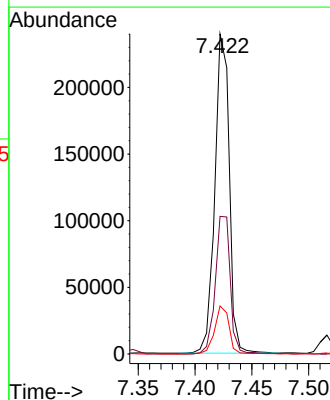
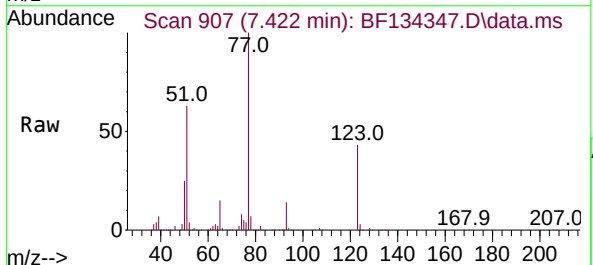
Tgt Ion: 77 Resp: 211968

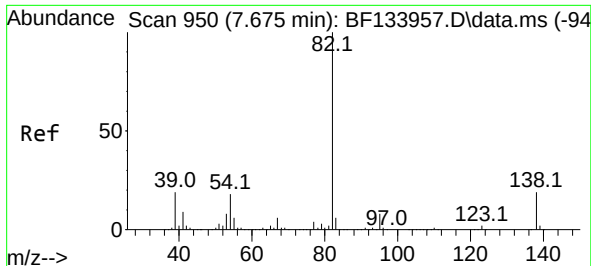
Ion Ratio Lower Upper

77 100

123 43.0 37.8 56.6

65 15.0 11.3 16.9

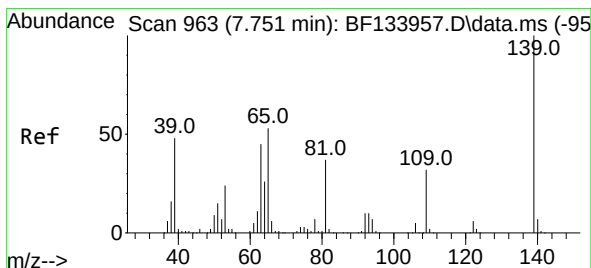
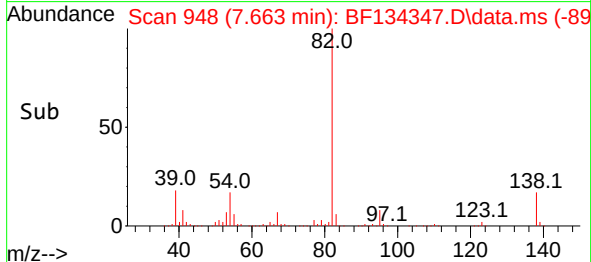
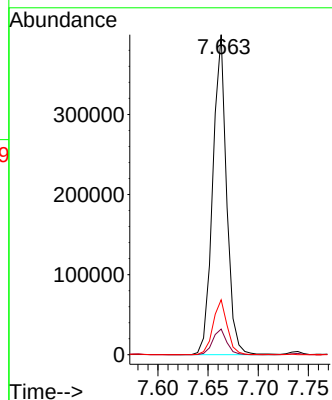
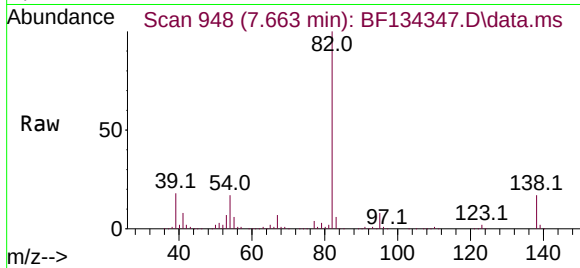




#25
Isophorone
Concen: 42.202 ng
RT: 7.663 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

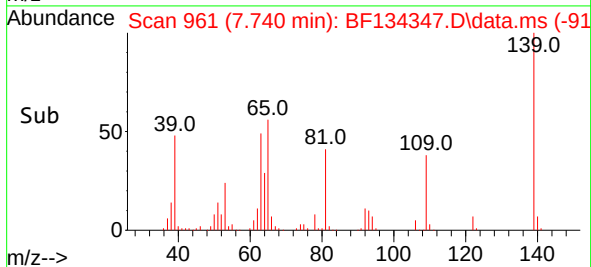
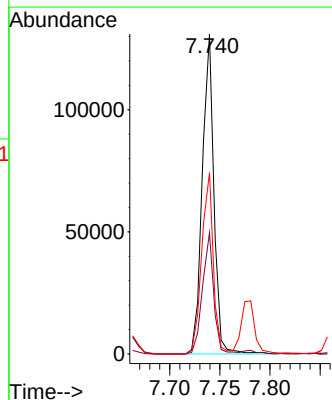
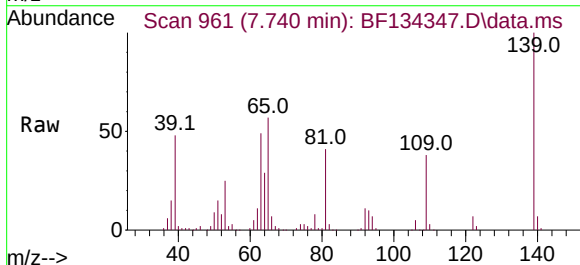
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

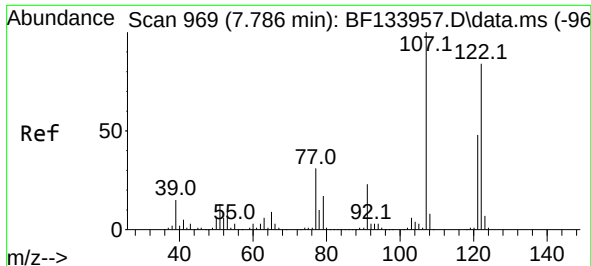
Tgt Ion: 82 Resp: 384135
Ion Ratio Lower Upper
82 100
95 8.0 6.1 9.1
138 17.1 15.2 22.8



#26
2-Nitrophenol
Concen: 43.838 ng
RT: 7.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:139 Resp: 106434
Ion Ratio Lower Upper
139 100
109 37.9 25.8 38.8
65 56.7 42.4 63.6

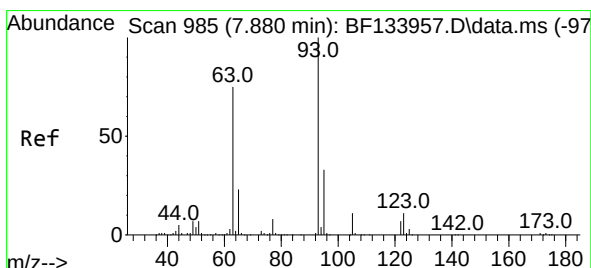
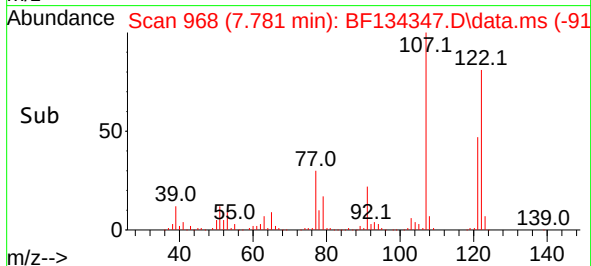
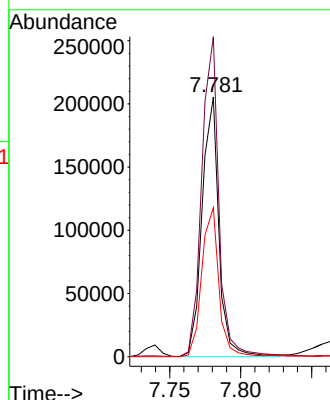
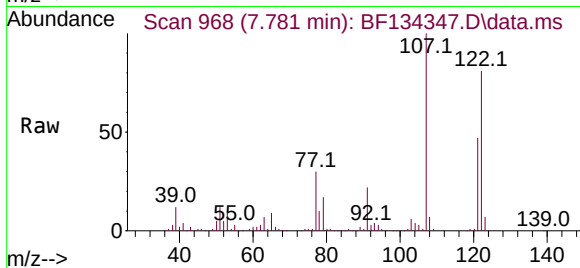




#27
2,4-Dimethylphenol
Concen: 44.158 ng
RT: 7.781 min Scan# 969
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

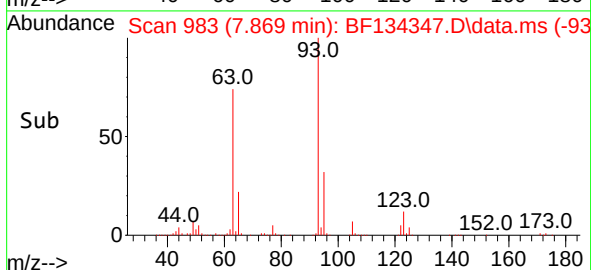
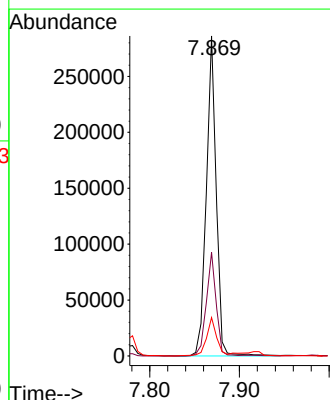
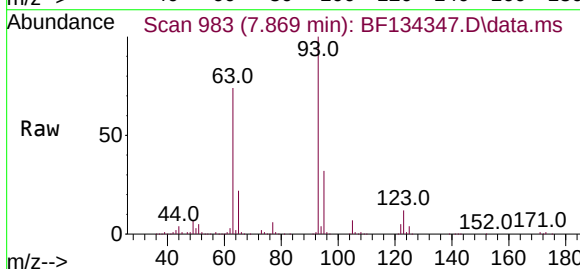
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

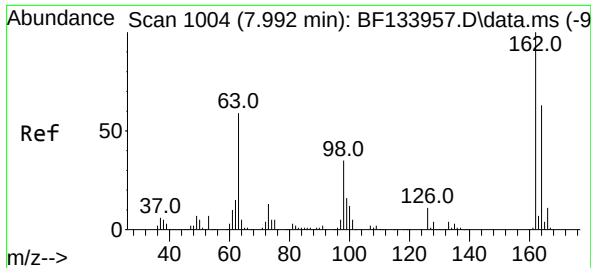
Tgt Ion:122 Resp: 169705
Ion Ratio Lower Upper
122 100
107 123.2 95.5 143.3
121 57.4 45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 41.609 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion: 93 Resp: 219302
Ion Ratio Lower Upper
93 100
95 32.4 26.5 39.7
123 12.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 42.465 ng

RT: 7.981 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

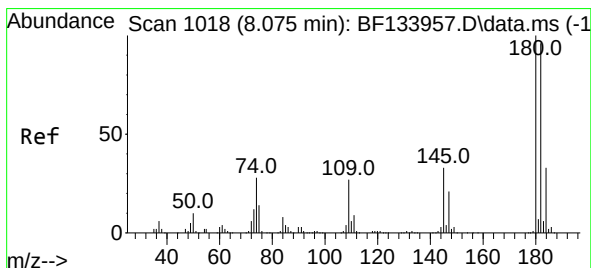
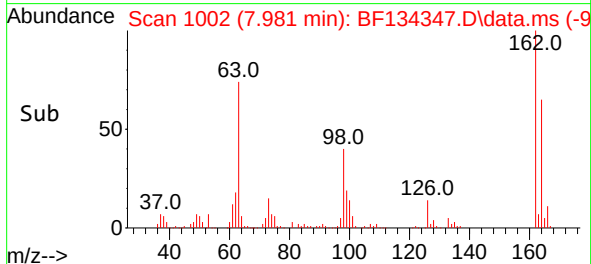
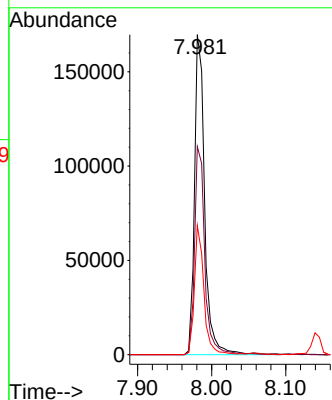
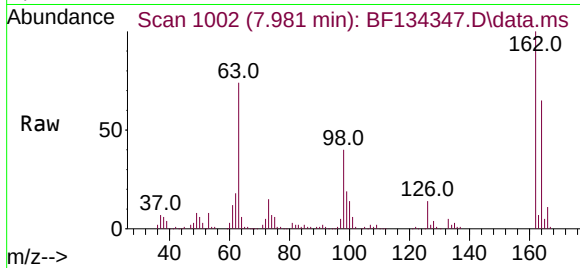
Tgt Ion:162 Resp: 161829

Ion Ratio Lower Upper

162 100

164 65.0 43.2 83.2

98 40.4 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 46.027 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

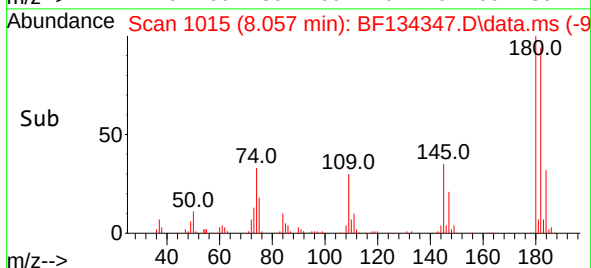
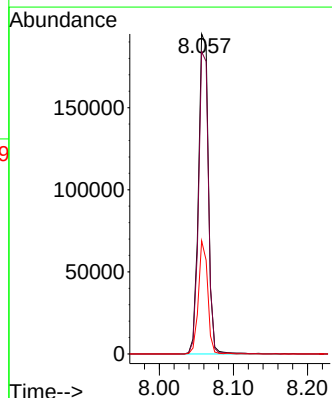
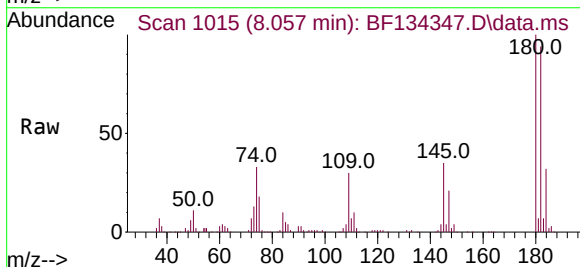
Tgt Ion:180 Resp: 180991

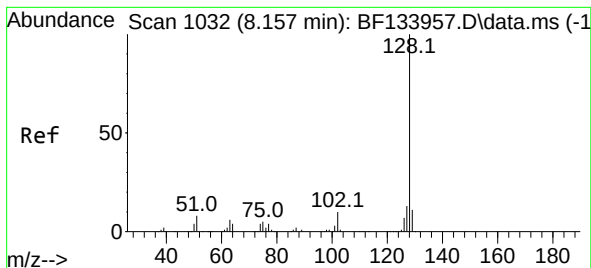
Ion Ratio Lower Upper

180 100

182 94.4 77.1 115.7

145 35.4 26.0 39.0





#31

Naphthalene

Concen: 42.247 ng

RT: 8.140 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

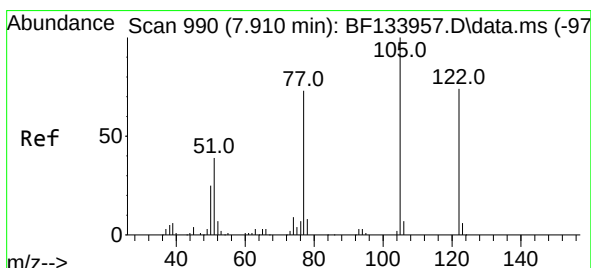
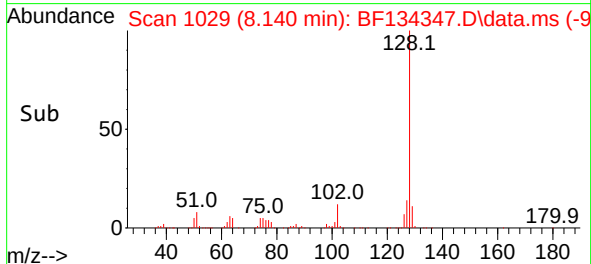
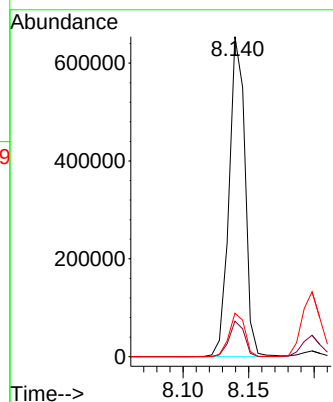
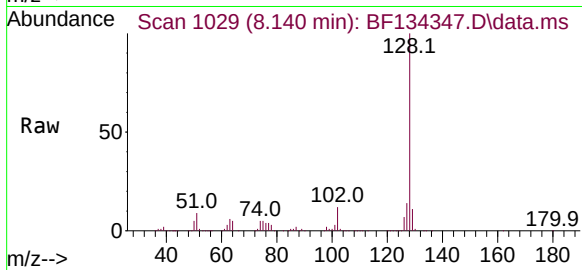
Tgt Ion:128 Resp: 550936

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.6 10.6 15.8



#32

Benzoic acid

Concen: 41.305 ng

RT: 7.922 min Scan# 992

Delta R.T. 0.018 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

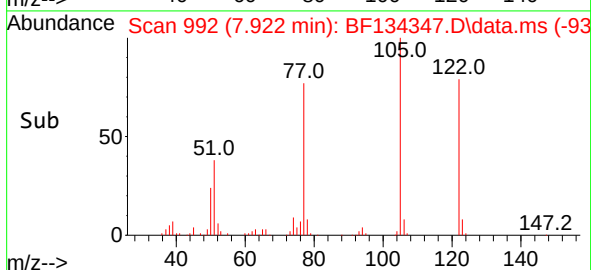
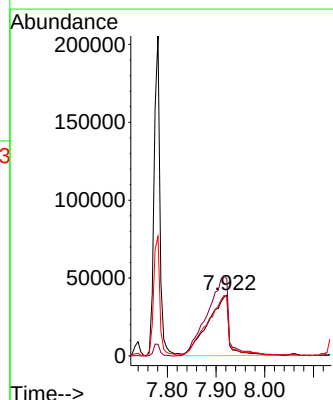
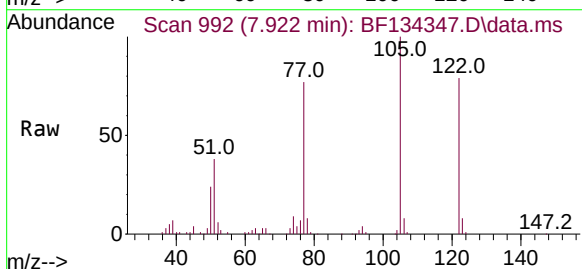
Tgt Ion:122 Resp: 118949

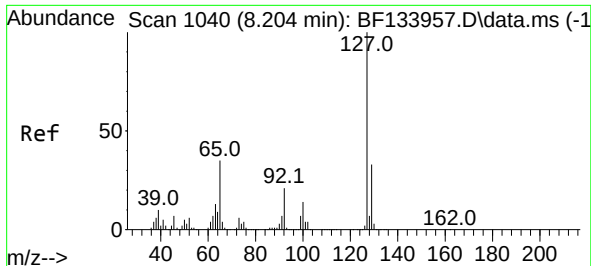
Ion Ratio Lower Upper

122 100

105 127.0 109.7 149.7

77 98.1 76.0 116.0

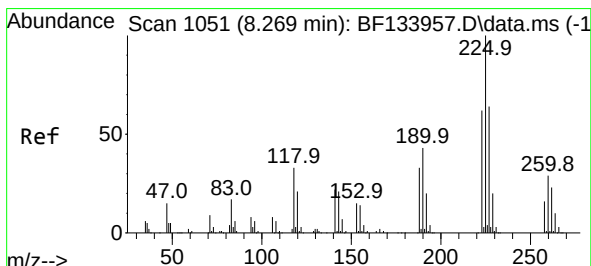
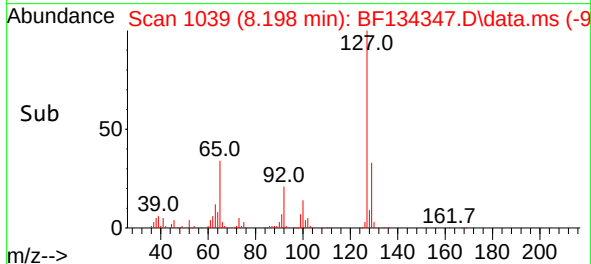
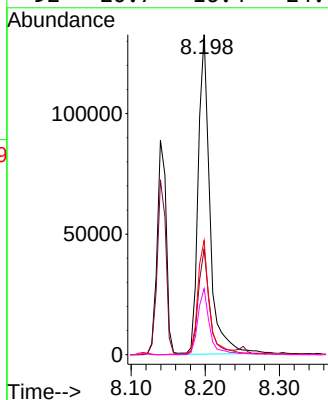
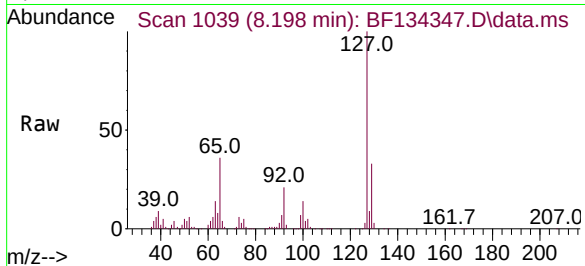




#33
4-Chloroaniline
Concen: 26.117 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

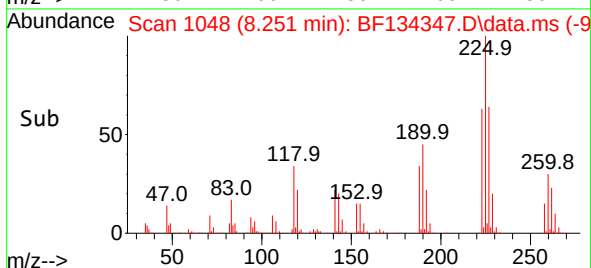
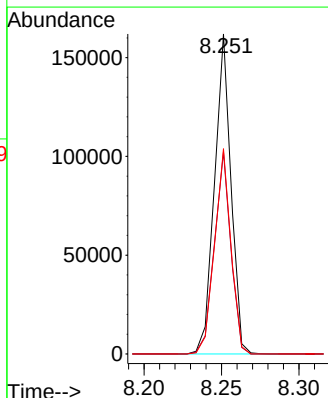
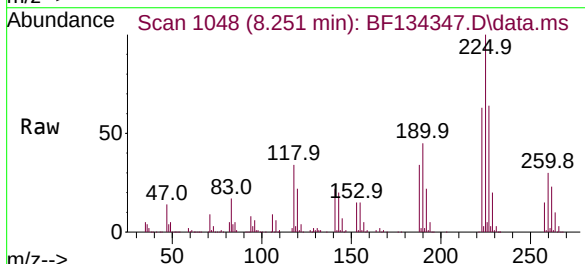
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

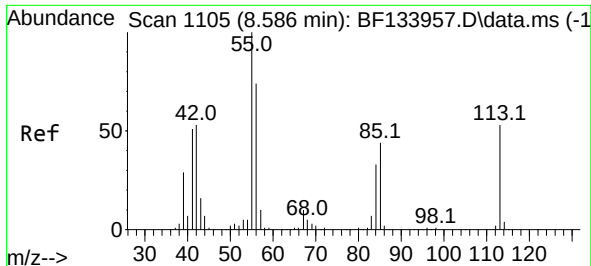
Tgt Ion:	127	Resp:	145689
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.4	39.6
65	35.7	27.8	41.8
92	20.7	16.4	24.6



#34
Hexachlorobutadiene
Concen: 48.261 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:	225	Resp:	119711
Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.8
227	64.2	51.0	76.4

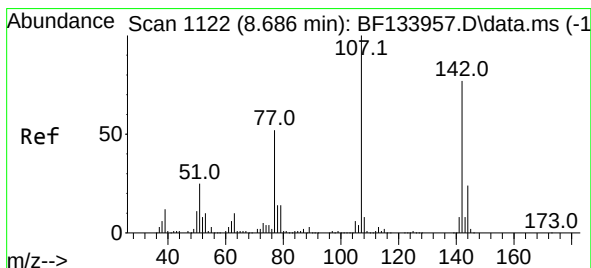
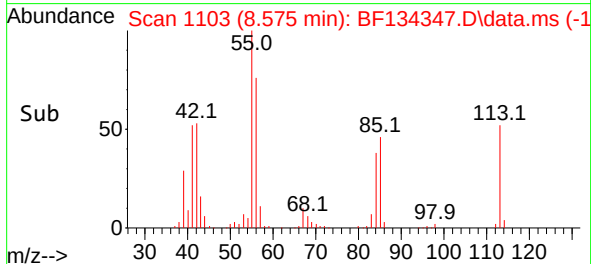
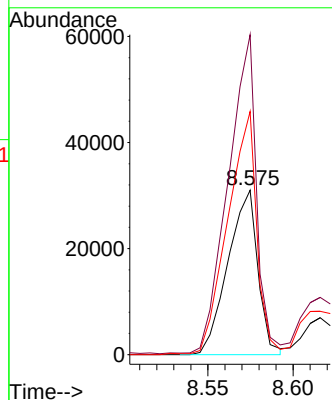
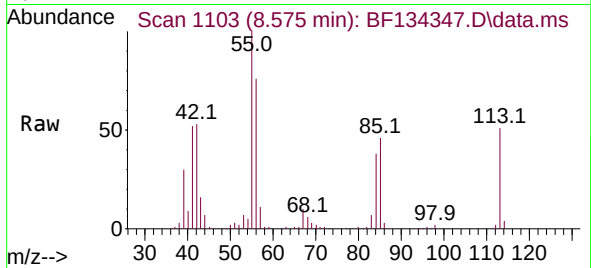




#35
 Caprolactam
 Concen: 30.212 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

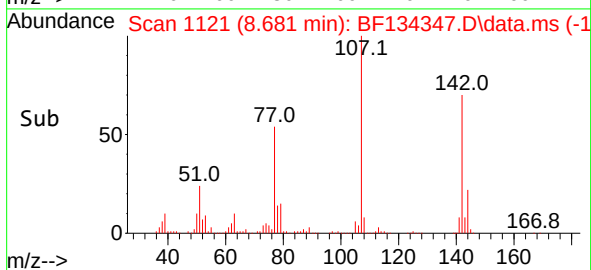
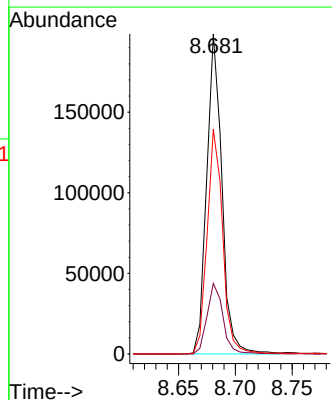
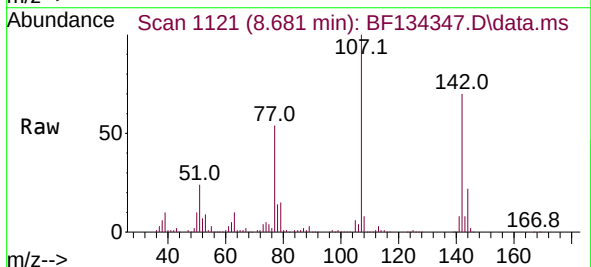
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD

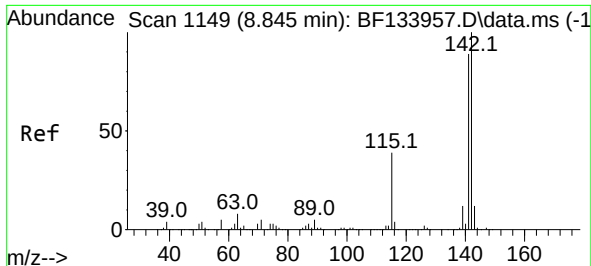
Tgt Ion:113 Resp: 37910
 Ion Ratio Lower Upper
 113 100
 55 194.5 170.2 210.2
 56 147.8 121.4 161.4



#36
 4-Chloro-3-methylphenol
 Concen: 43.055 ng
 RT: 8.681 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

Tgt Ion:107 Resp: 184326
 Ion Ratio Lower Upper
 107 100
 144 22.0 19.6 29.4
 142 70.2 61.4 92.2

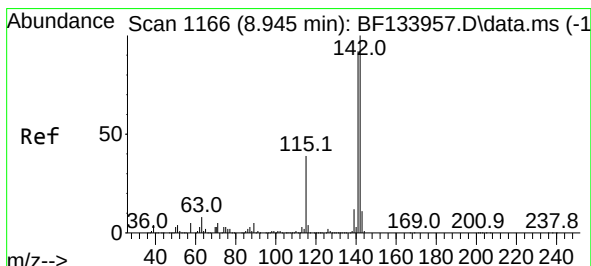
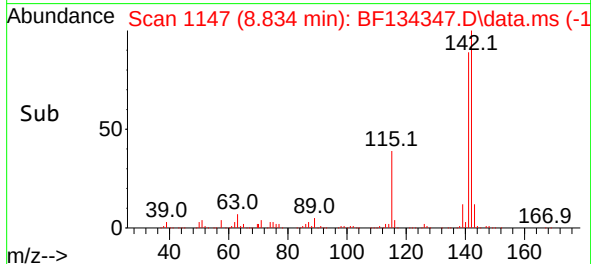
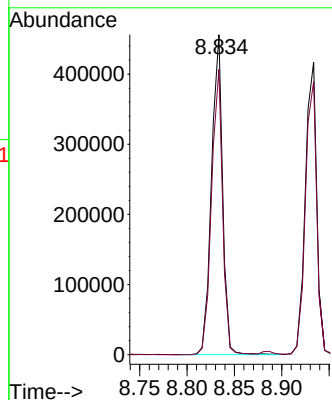
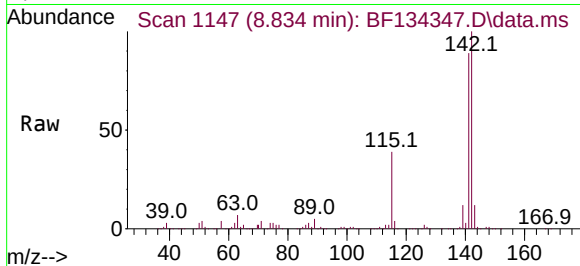




#37
2-Methylnaphthalene
Concen: 40.246 ng
RT: 8.834 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

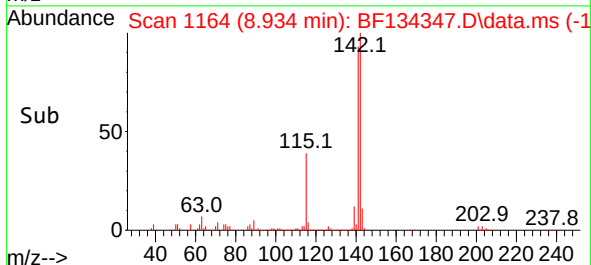
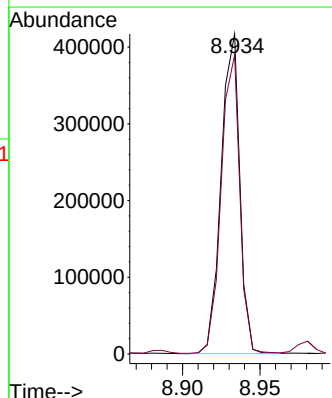
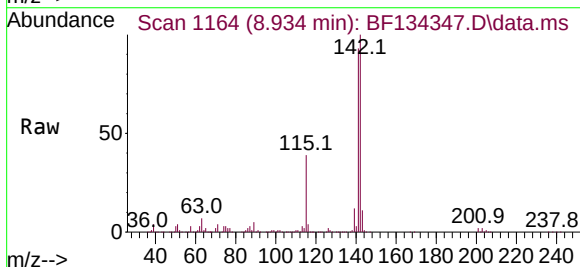
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

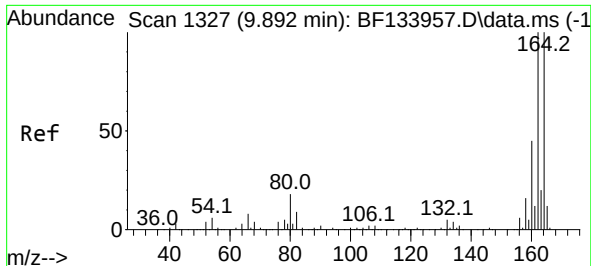
Tgt Ion:142 Resp: 371140
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.4



#38
1-Methylnaphthalene
Concen: 40.610 ng
RT: 8.934 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:142 Resp: 348151
Ion Ratio Lower Upper
142 100
141 93.4 73.5 110.3

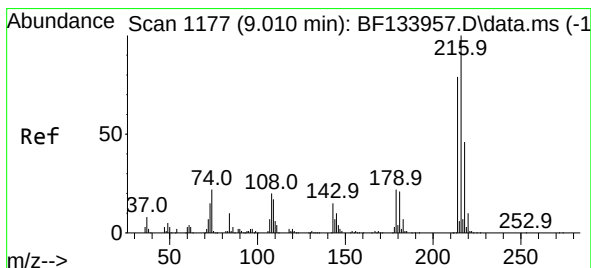
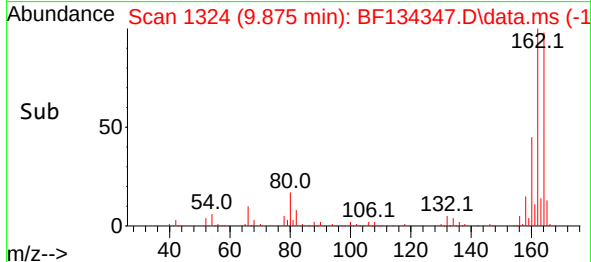
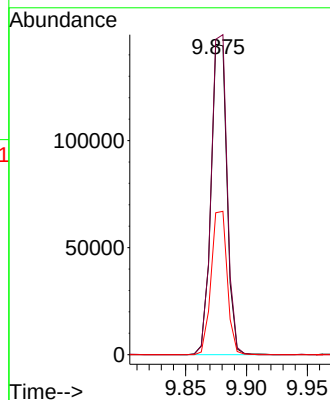
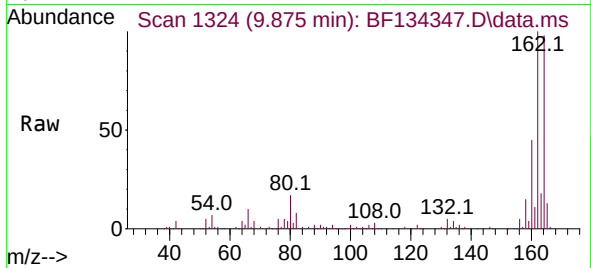




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

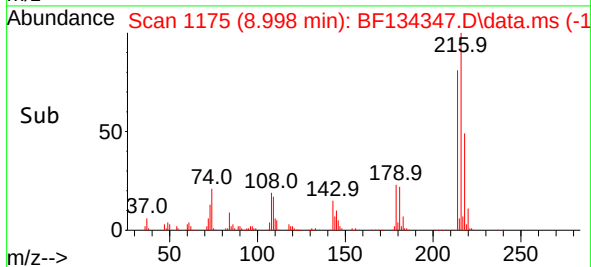
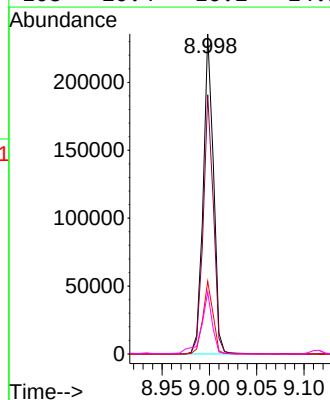
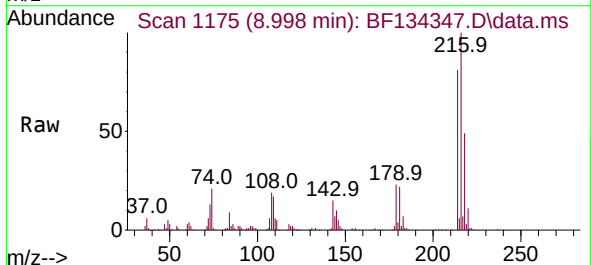
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

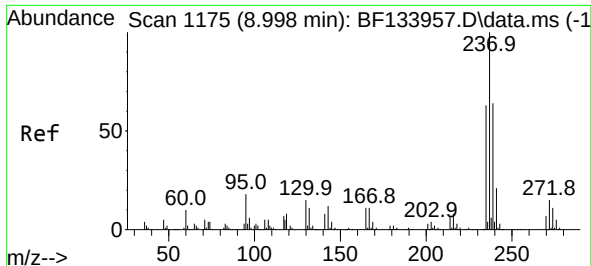
Tgt Ion:164 Resp: 131801
Ion Ratio Lower Upper
164 100
162 101.6 80.0 120.0
160 45.7 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.695 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:216 Resp: 178429
Ion Ratio Lower Upper
216 100
214 80.6 64.1 96.1
179 22.4 17.3 25.9
108 20.4 16.2 24.2

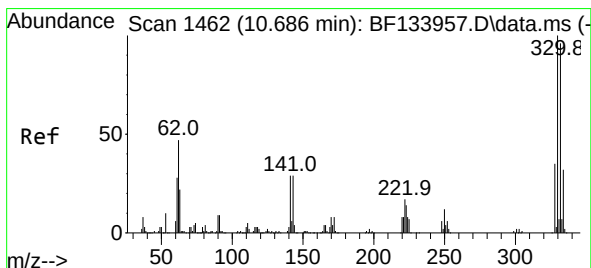
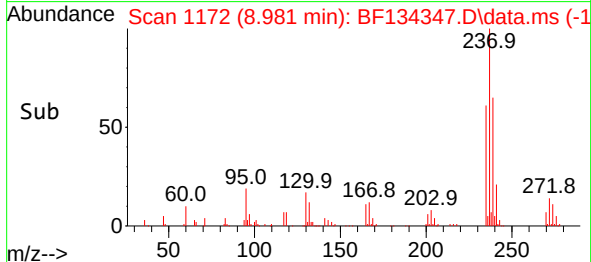
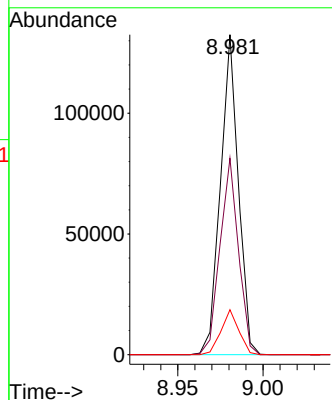
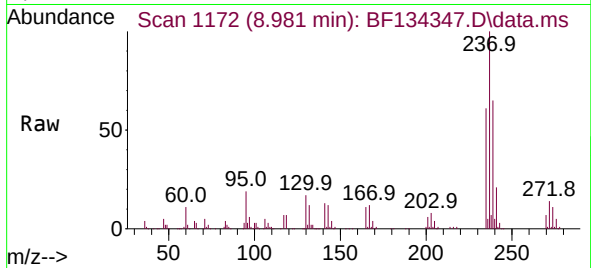




#41
Hexachlorocyclopentadiene
Concen: 52.404 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

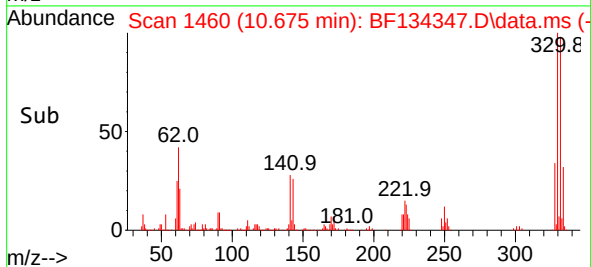
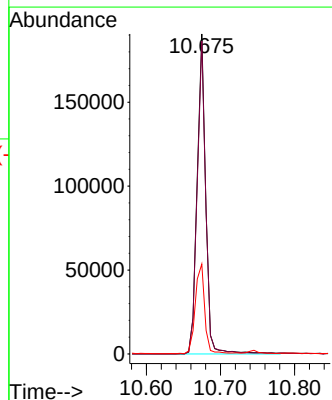
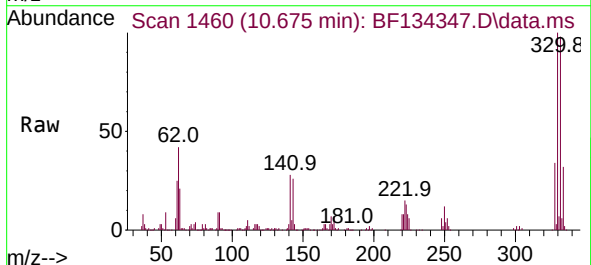
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

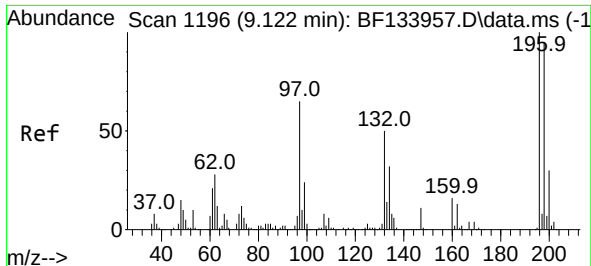
Tgt Ion:237 Resp: 97079
Ion Ratio Lower Upper
237 100
235 61.4 42.8 82.8
272 14.0 0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 92.602 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:330 Resp: 153027
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 30.9 26.3 39.5





#43

2,4,6-Trichlorophenol

Concen: 44.007 ng

RT: 9.116 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

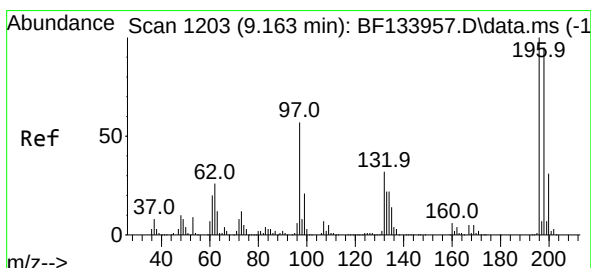
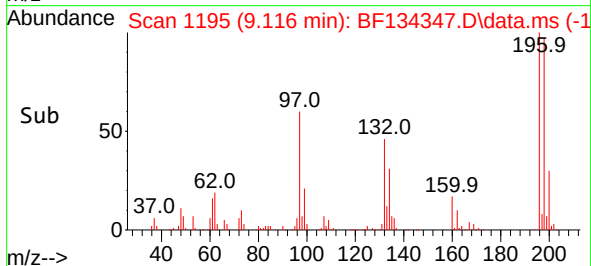
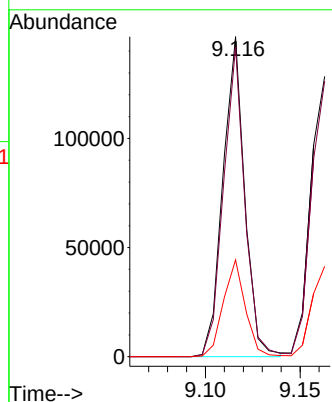
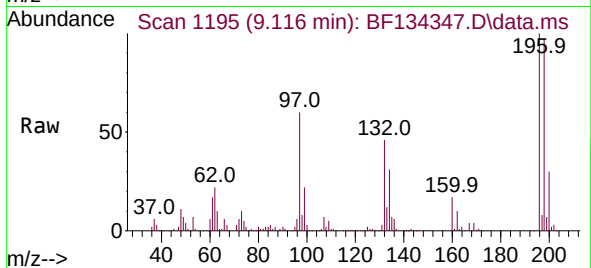
Tgt Ion:196 Resp: 116978

Ion Ratio Lower Upper

196 100

198 96.9 75.6 113.4

200 30.2 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 39.351 ng

RT: 9.163 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Tgt Ion:196 Resp: 123041

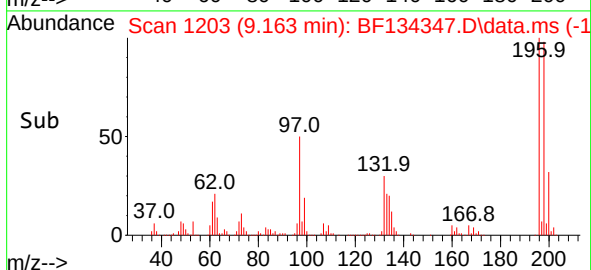
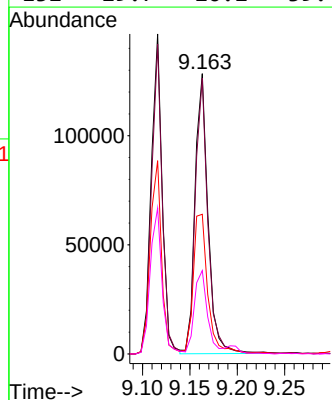
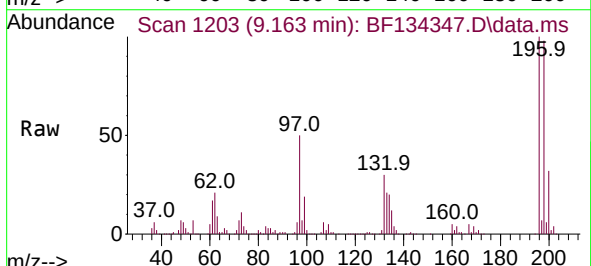
Ion Ratio Lower Upper

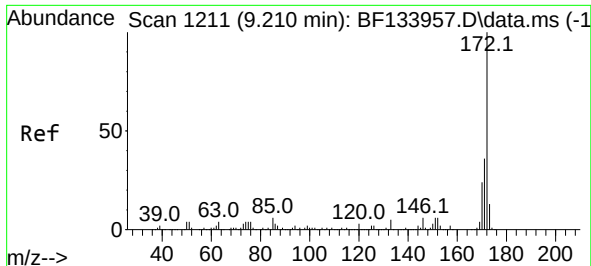
196 100

198 98.3 75.7 113.5

97 49.8 45.8 68.6

132 29.7 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 66.947 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

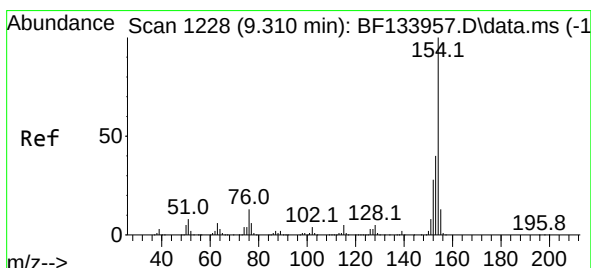
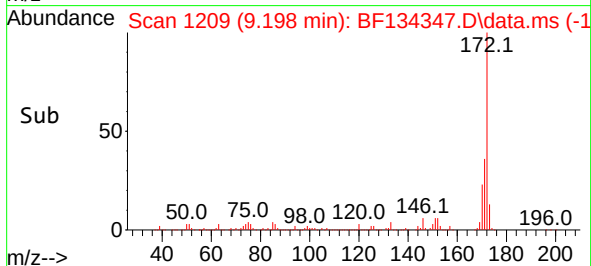
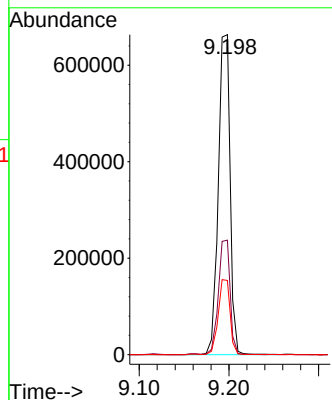
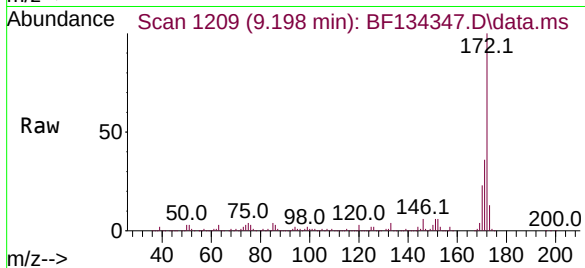
Tgt Ion:172 Resp: 606899

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 44.348 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

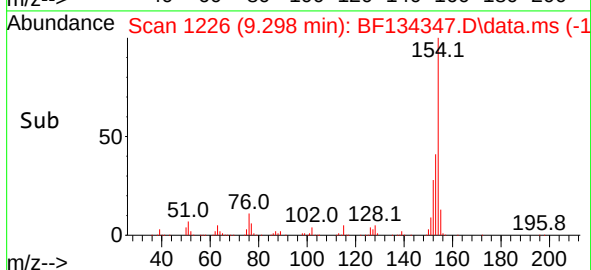
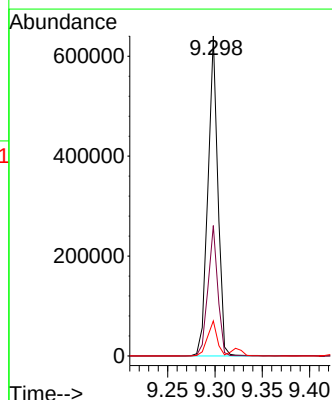
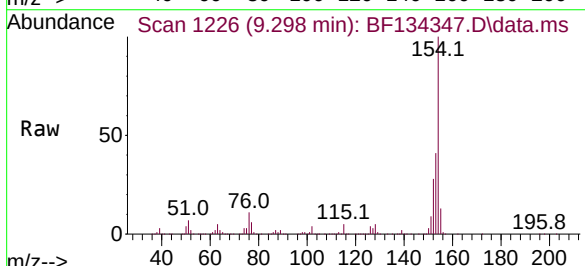
Tgt Ion:154 Resp: 468871

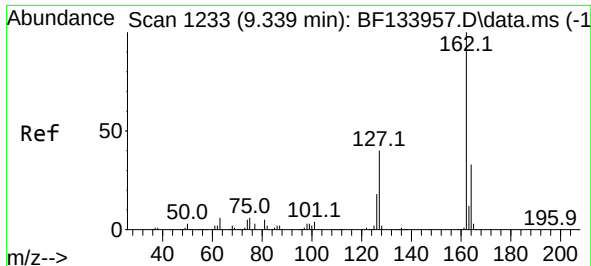
Ion Ratio Lower Upper

154 100

153 40.8 19.8 59.8

76 10.9 0.0 32.9

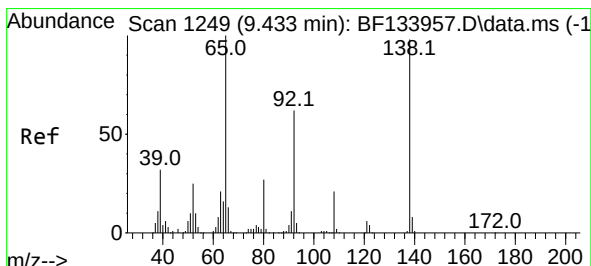
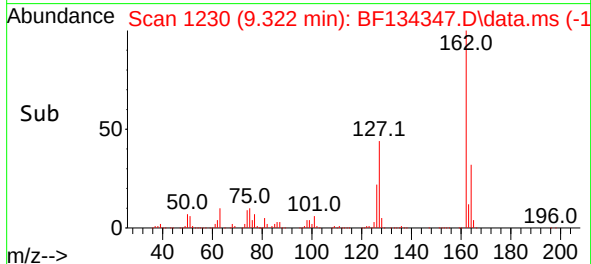
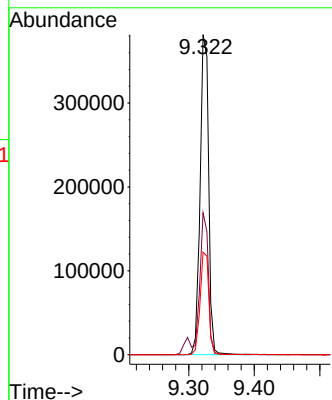
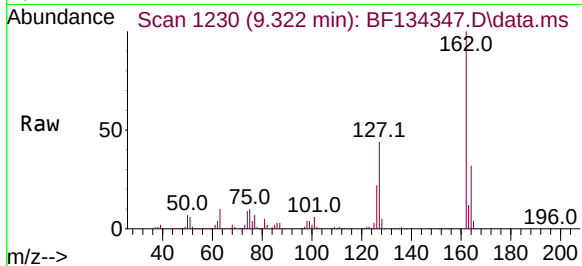




#47
2-Chloronaphthalene
Concen: 44.747 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

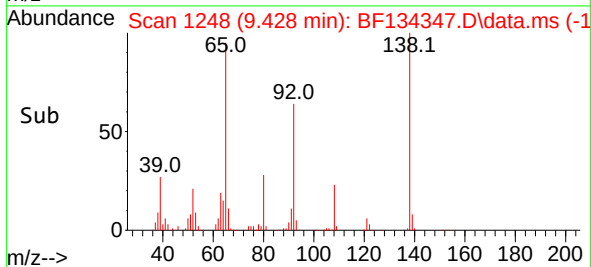
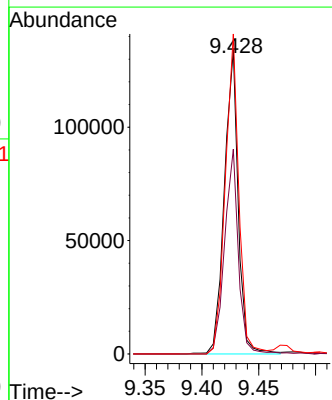
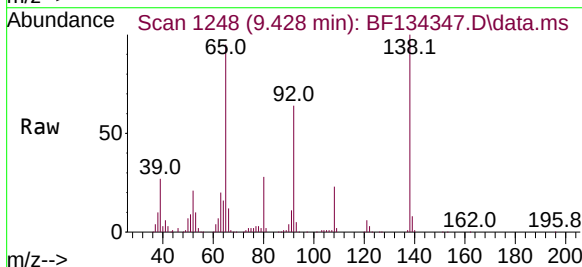
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

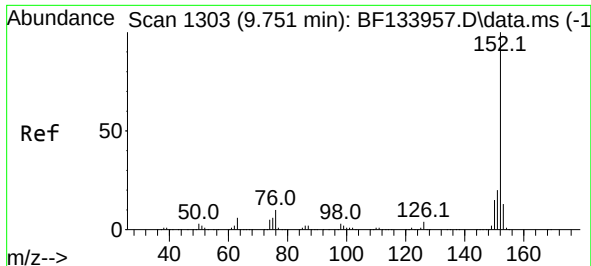
Tgt Ion:162 Resp: 346148
Ion Ratio Lower Upper
162 100
127 44.4 32.9 49.3
164 32.0 26.1 39.1



#48
2-Nitroaniline
Concen: 40.472 ng
RT: 9.428 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion: 65 Resp: 114099
Ion Ratio Lower Upper
65 100
92 67.3 49.5 74.3
138 105.3 78.0 117.0





#49

Acenaphthylene

Concen: 41.645 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

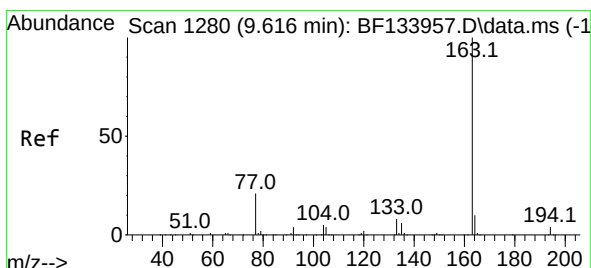
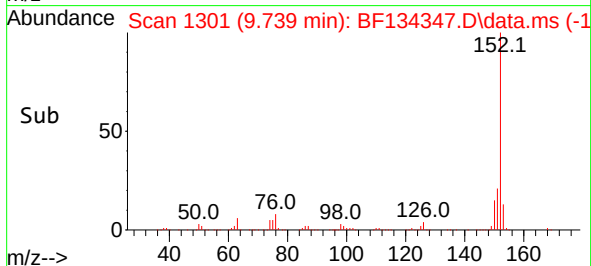
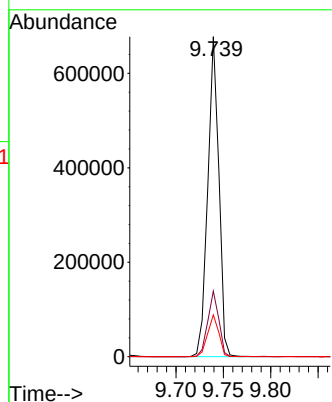
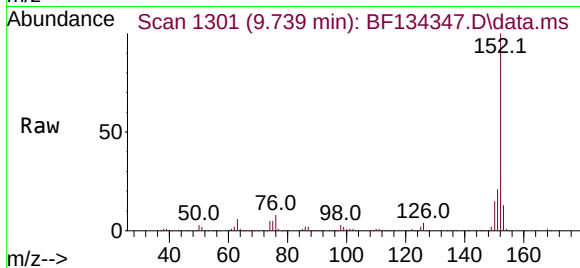
Tgt Ion:152 Resp: 550306

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 13.1 10.8 16.2



#50

Dimethylphthalate

Concen: 44.010 ng

RT: 9.604 min Scan# 1278

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

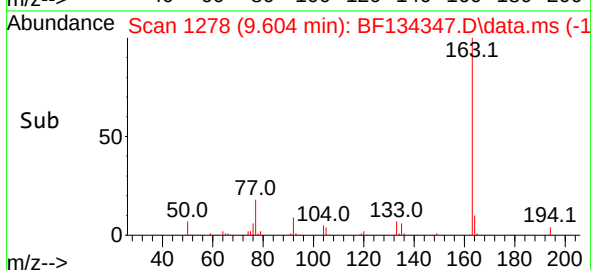
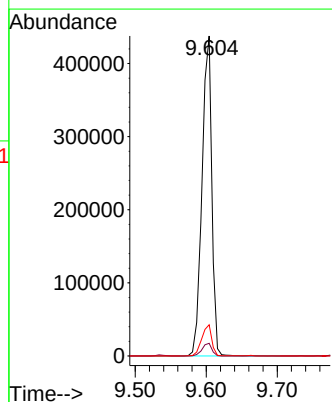
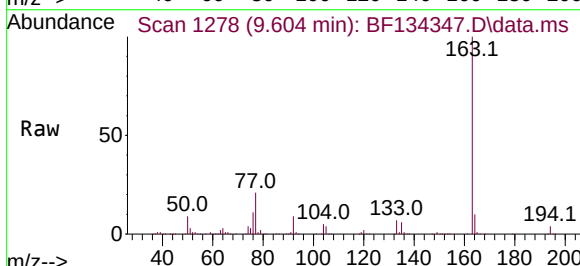
Tgt Ion:163 Resp: 421060

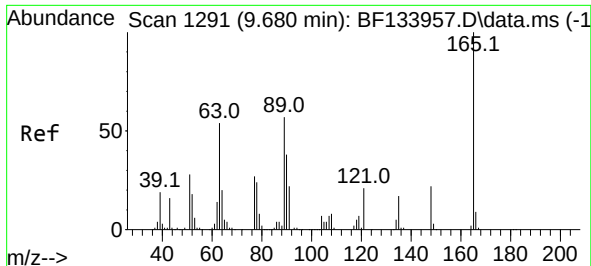
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 9.7 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 43.523 ng

RT: 9.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

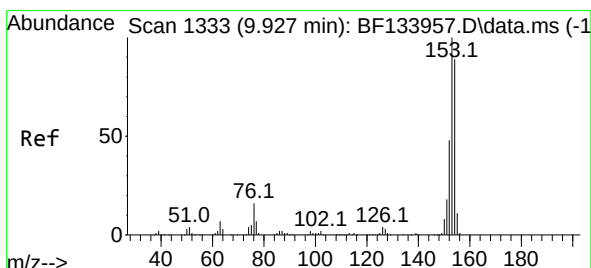
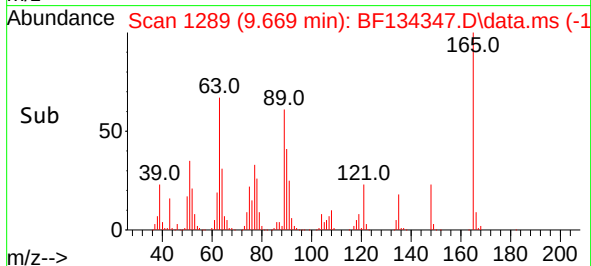
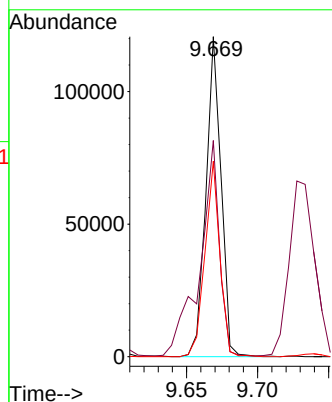
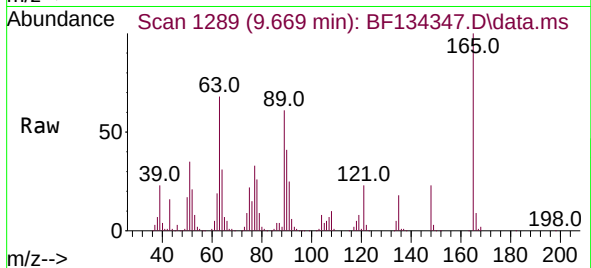
Tgt Ion:165 Resp: 89686

Ion Ratio Lower Upper

165 100

63 67.6 48.5 72.7

89 61.1 45.5 68.3



#52

Acenaphthene

Concen: 43.018 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

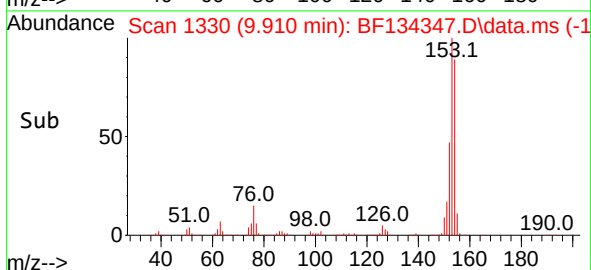
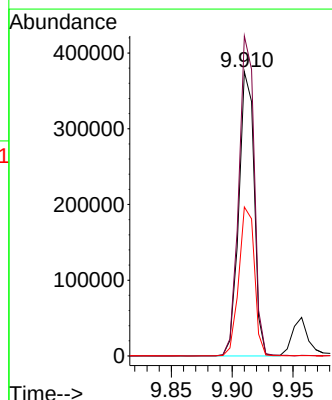
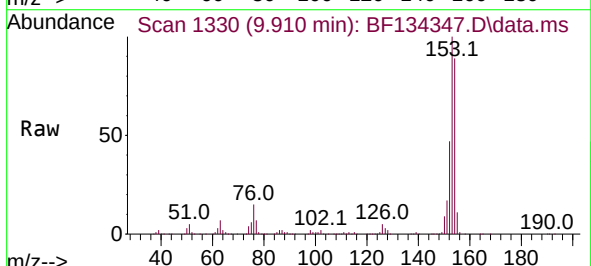
Tgt Ion:154 Resp: 329848

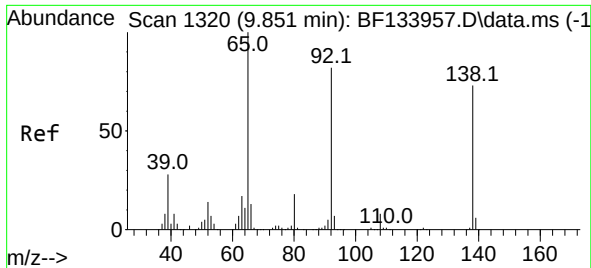
Ion Ratio Lower Upper

154 100

153 112.6 89.4 134.2

152 52.4 42.8 64.2

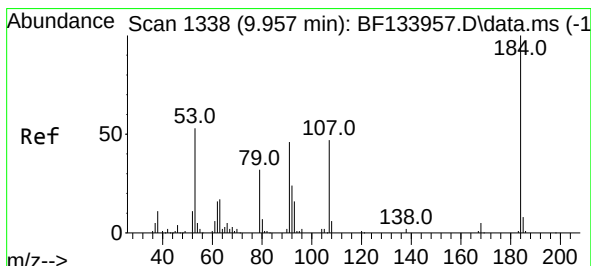
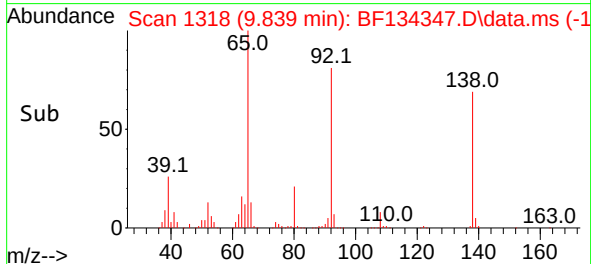
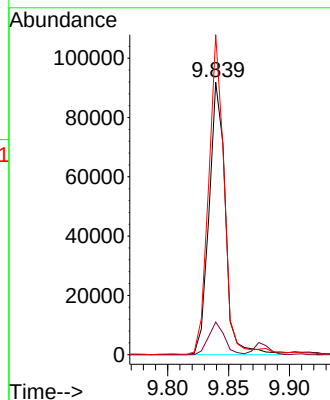
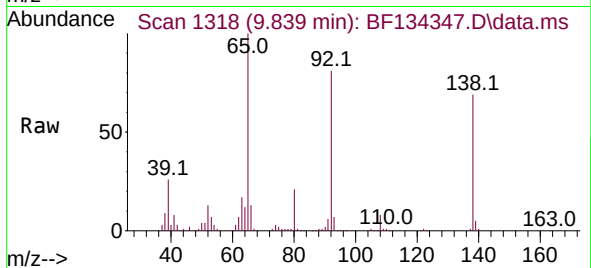




#53
3-Nitroaniline
Concen: 34.344 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

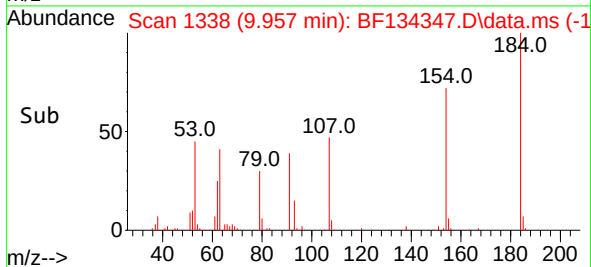
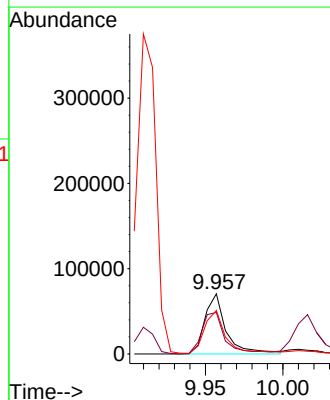
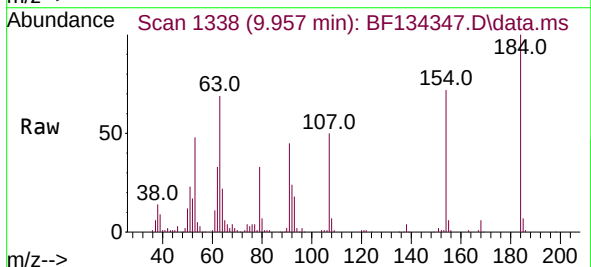
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

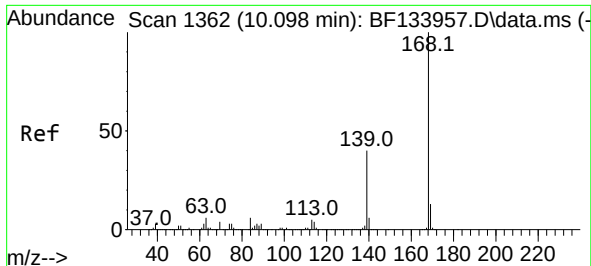
Tgt Ion:138 Resp: 84902
Ion Ratio Lower Upper
138 100
108 12.0 8.4 12.6
92 117.4 90.1 135.1



#54
2,4-Dinitrophenol
Concen: 58.060 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:184 Resp: 67770
Ion Ratio Lower Upper
184 100
63 68.8 56.9 85.3
154 72.3 55.4 83.0

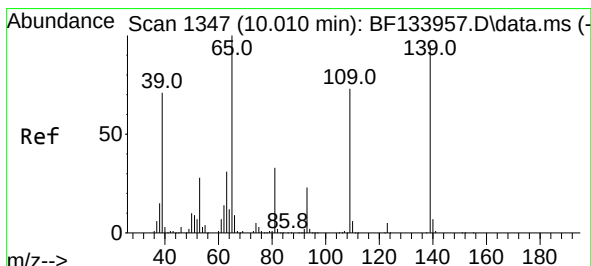
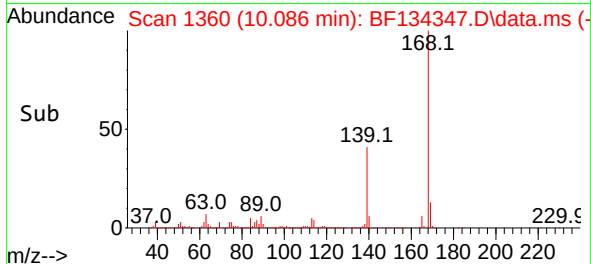
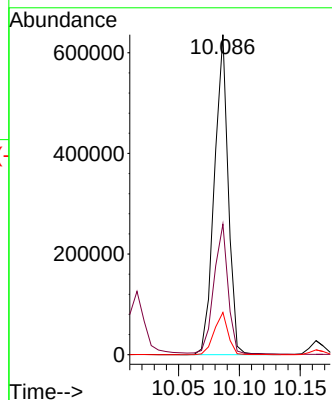
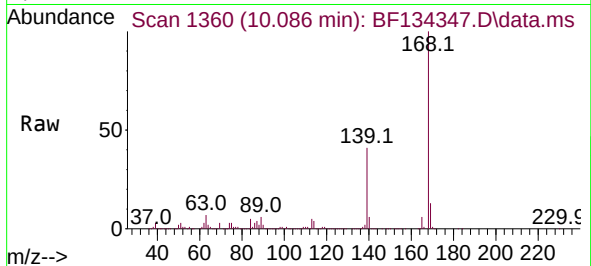




#55
Dibenzenofuran
Concen: 41.961 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

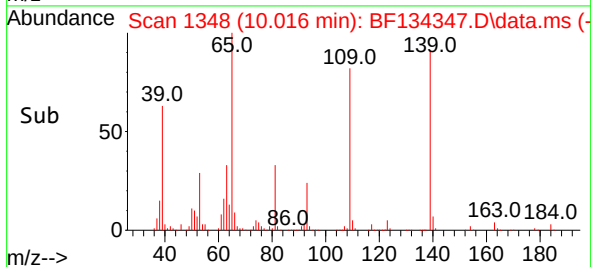
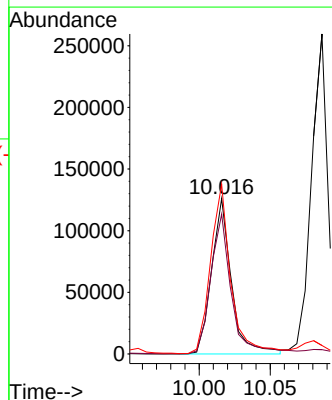
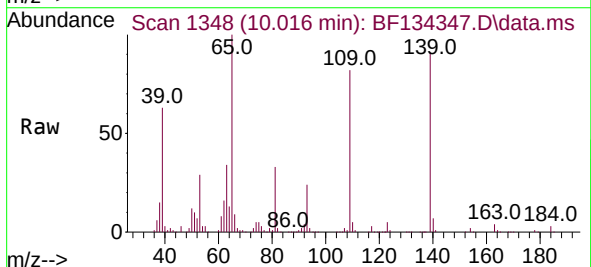
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

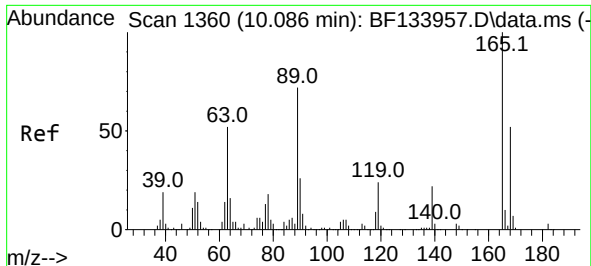
Tgt Ion:168 Resp: 502836
Ion Ratio Lower Upper
168 100
139 40.8 32.0 48.0
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 70.690 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:139 Resp: 122238
Ion Ratio Lower Upper
139 100
109 90.1 56.8 96.8
65 109.4 86.1 126.1

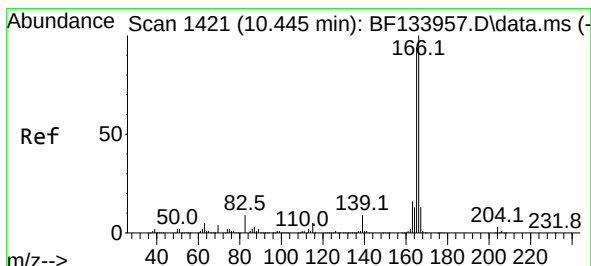
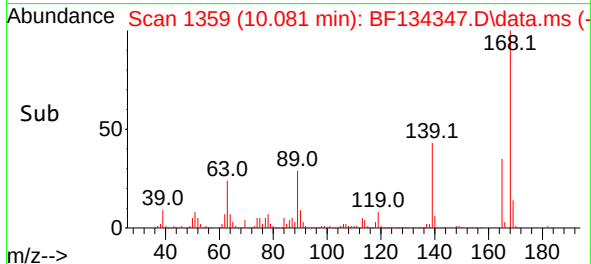
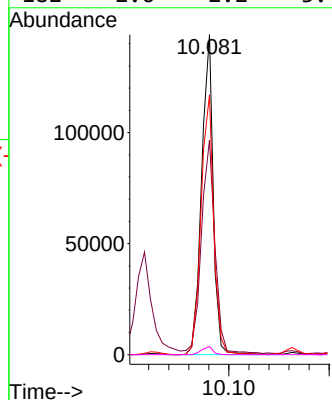
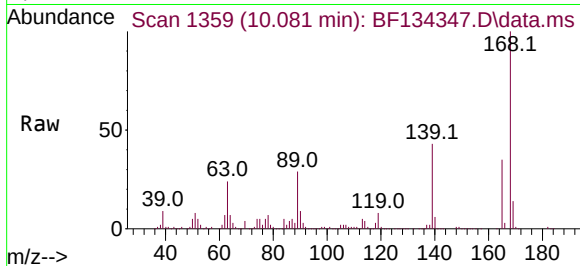




#57
2,4-Dinitrotoluene
Concen: 42.698 ng
RT: 10.081 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

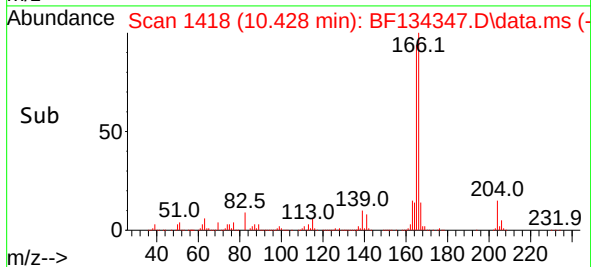
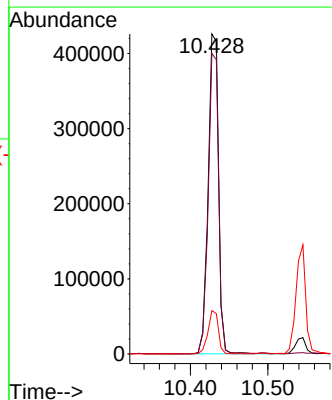
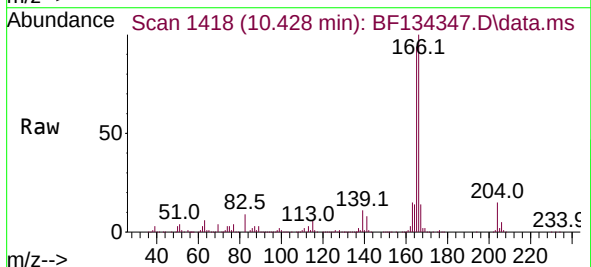
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

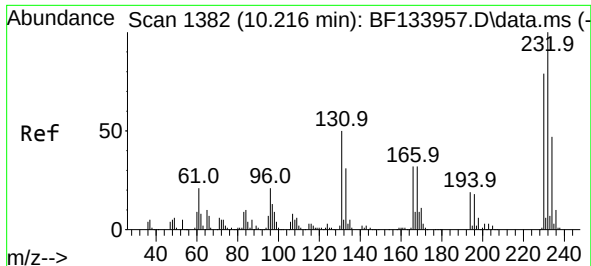
Tgt Ion:165 Resp: 116198
Ion Ratio Lower Upper
165 100
63 67.1 42.2 63.2#
89 81.2 57.4 86.2
182 2.6 2.2 3.4



#58
Fluorene
Concen: 42.500 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:166 Resp: 396228
Ion Ratio Lower Upper
166 100
165 93.9 75.0 112.4
167 13.6 10.6 15.8

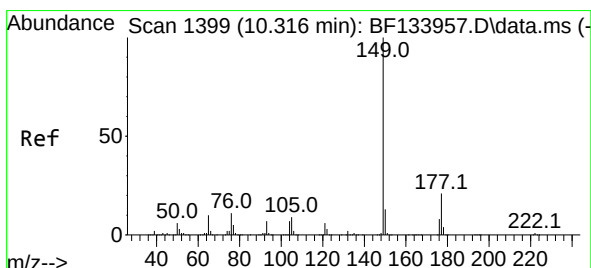
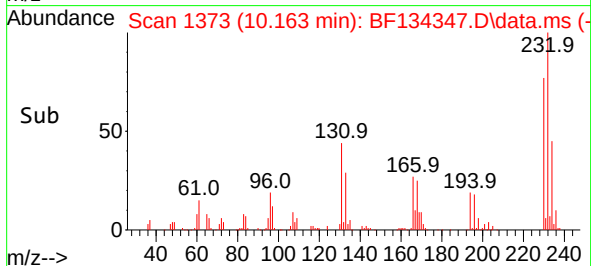
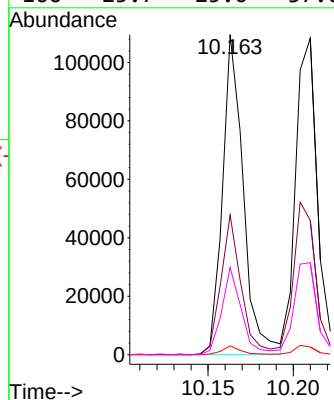
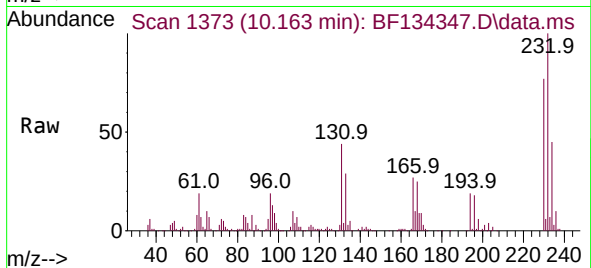




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.752 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.047 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

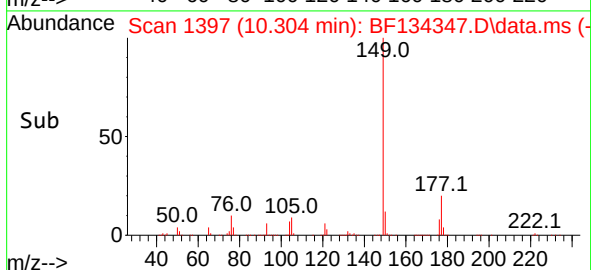
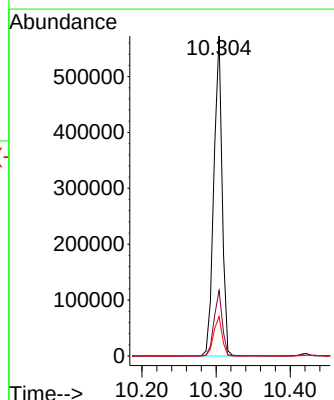
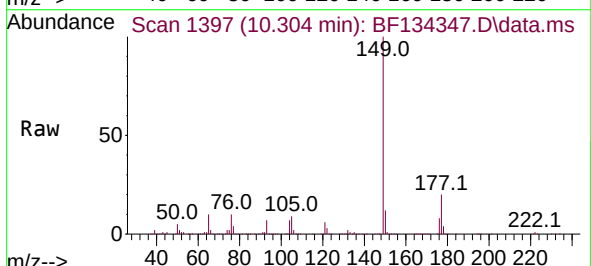
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

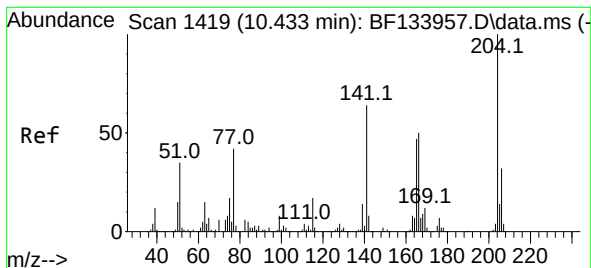
Tgt Ion:232 Resp: 93110
Ion Ratio Lower Upper
232 100
131 42.4 39.3 58.9
130 2.5 1.8 2.6
166 25.7 25.0 37.6



#60
Diethylphthalate
Concen: 44.472 ng
RT: 10.304 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:149 Resp: 443290
Ion Ratio Lower Upper
149 100
177 20.5 17.0 25.6
150 12.3 10.2 15.2

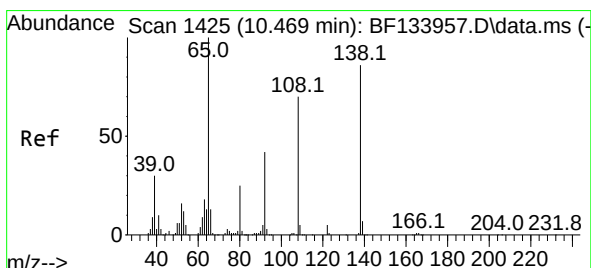
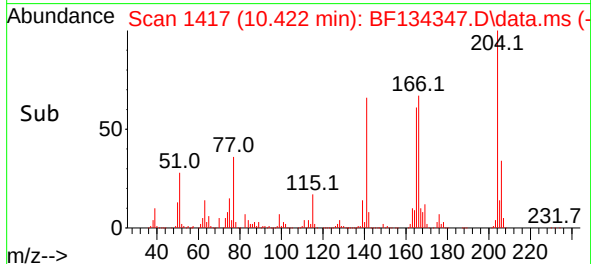
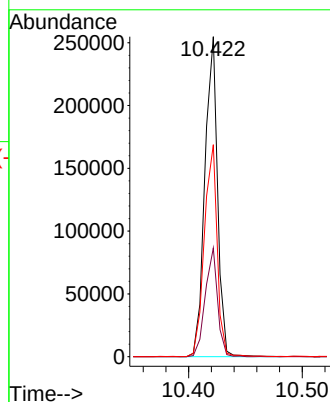
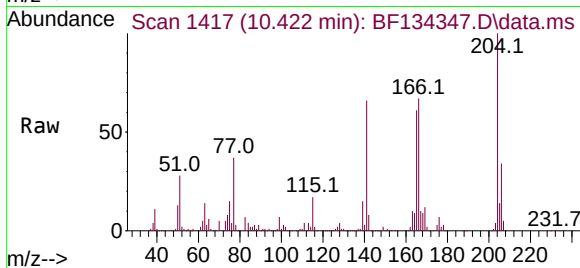




#61
4-Chlorophenyl-phenylether
Concen: 43.767 ng
RT: 10.422 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

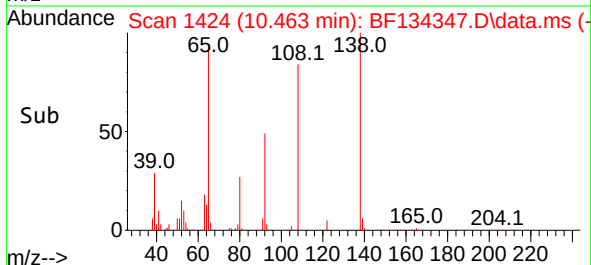
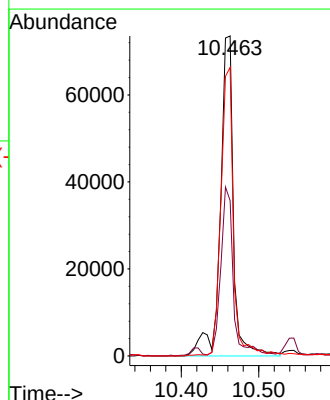
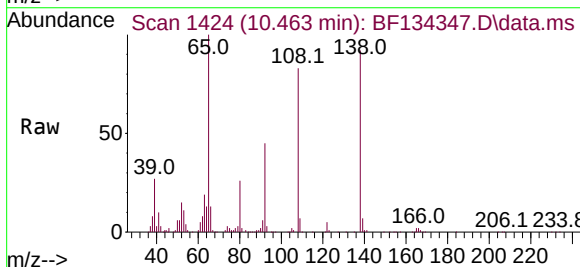
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

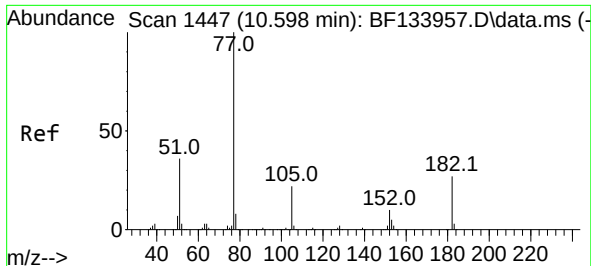
Tgt Ion:204 Resp: 196641
Ion Ratio Lower Upper
204 100
206 33.9 25.8 38.6
141 66.3 51.5 77.3



#62
4-Nitroaniline
Concen: 34.828 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:138 Resp: 86769
Ion Ratio Lower Upper
138 100
92 48.5 29.7 69.7
108 90.1 62.1 102.1

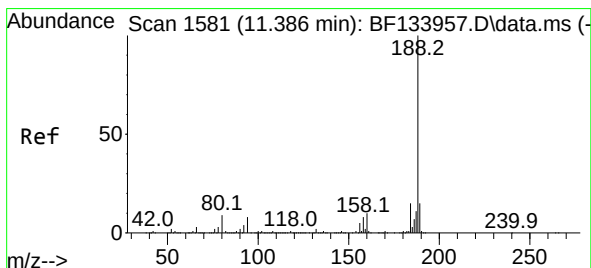
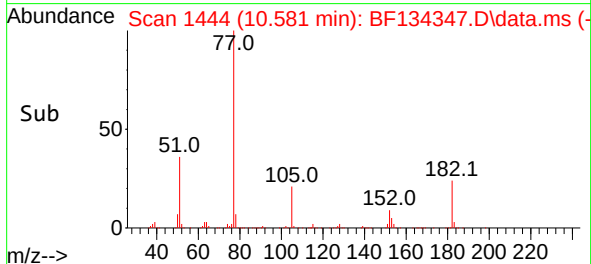
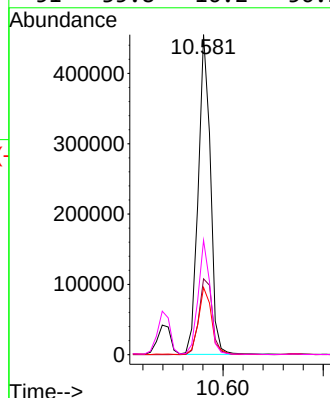
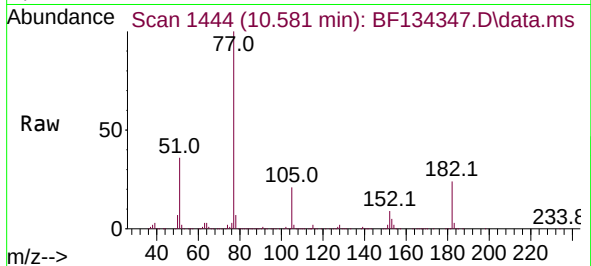




#63
Azobenzene
Concen: 40.523 ng
RT: 10.581 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

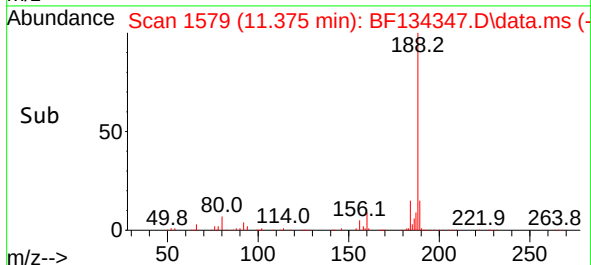
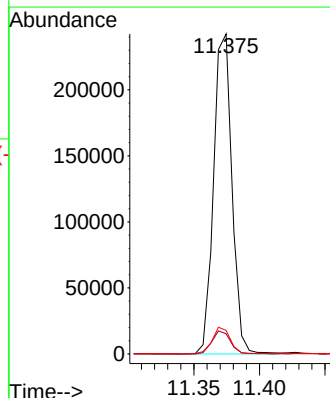
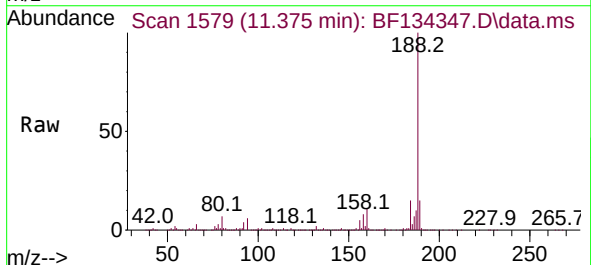
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

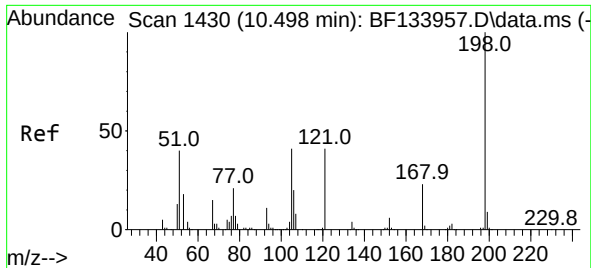
Tgt Ion: 77	Resp: 382077
Ion Ratio	Lower Upper
77 100	
182 23.7	6.8 46.8
105 21.0	2.3 42.3
51 35.8	16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:188	Resp: 236012
Ion Ratio	Lower Upper
188 100	
94 6.3	6.4 9.6#
80 7.3	7.3 10.9

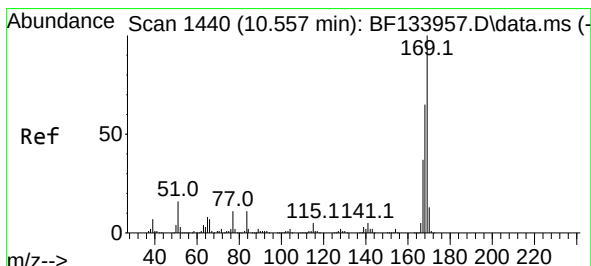
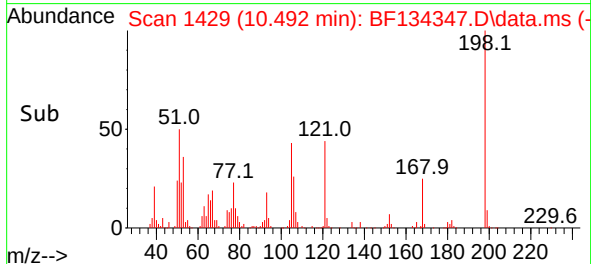
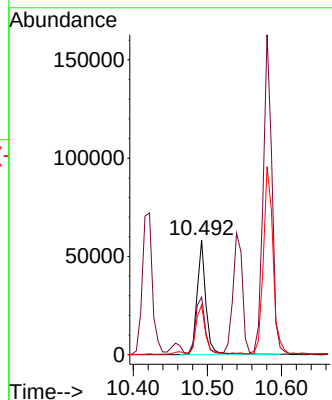
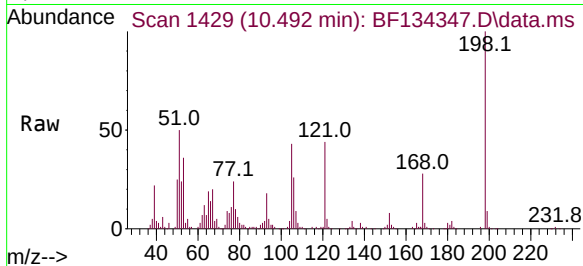




#65
4,6-Dinitro-2-methylphenol
Concen: 37.090 ng
RT: 10.492 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

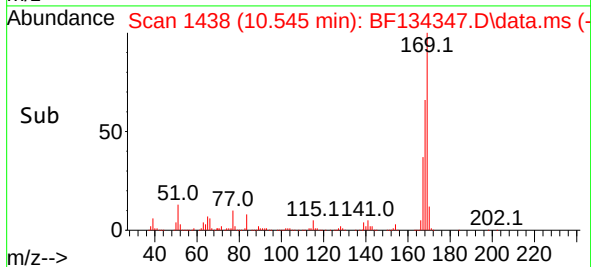
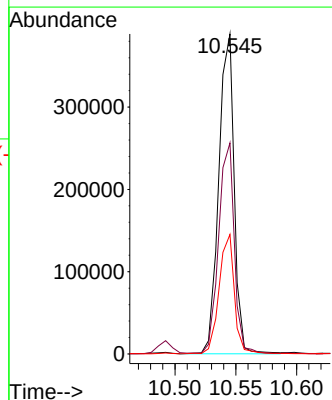
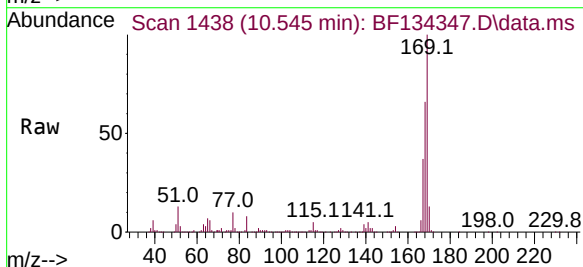
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

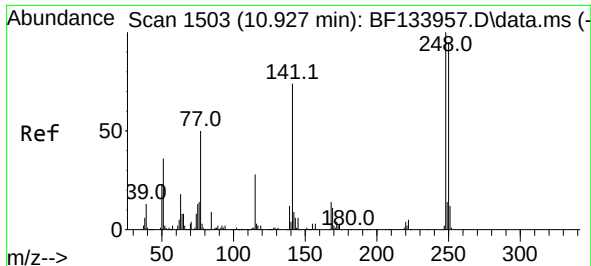
Tgt Ion:198 Resp: 47724
Ion Ratio Lower Upper
198 100
51 50.3 29.3 69.3
105 43.1 22.4 62.4



#66
n-Nitrosodiphenylamine
Concen: 45.585 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:169 Resp: 343741
Ion Ratio Lower Upper
169 100
168 65.9 52.3 78.5
167 37.3 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 47.485 ng

RT: 10.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

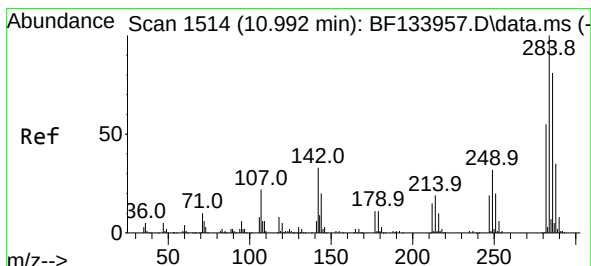
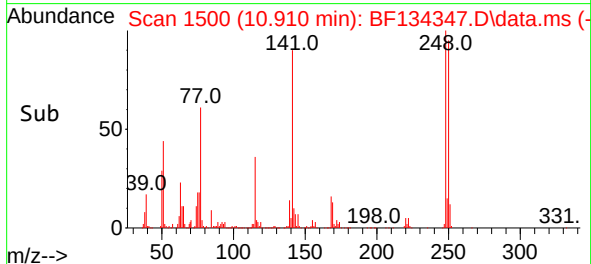
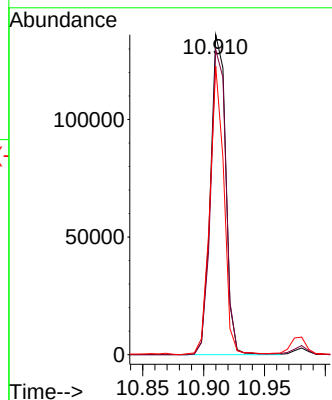
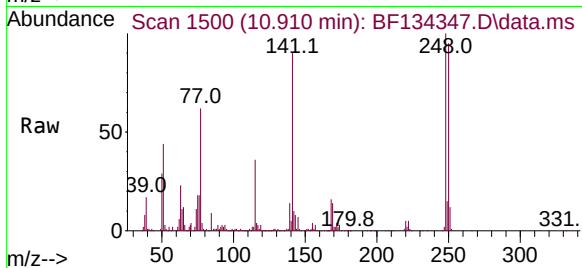
Tgt Ion:248 Resp: 119117

Ion Ratio Lower Upper

248 100

250 95.3 76.2 114.4

141 90.2 59.0 88.4#



#68

Hexachlorobenzene

Concen: 50.167 ng

RT: 10.980 min Scan# 1512

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

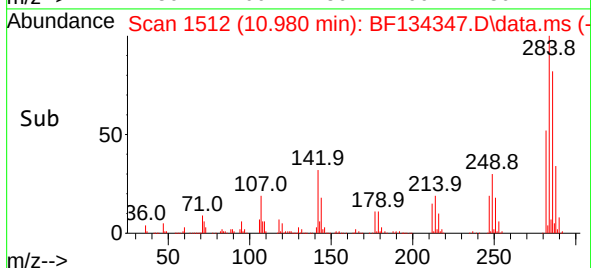
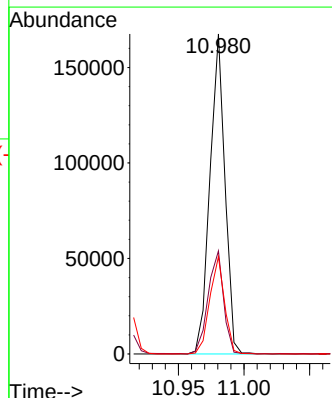
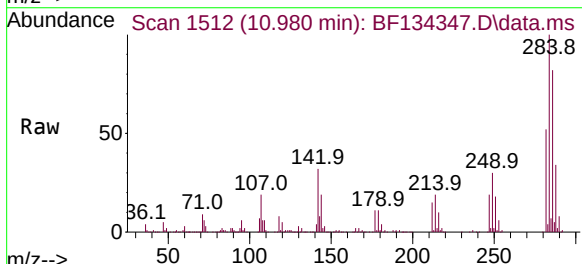
Tgt Ion:284 Resp: 133618

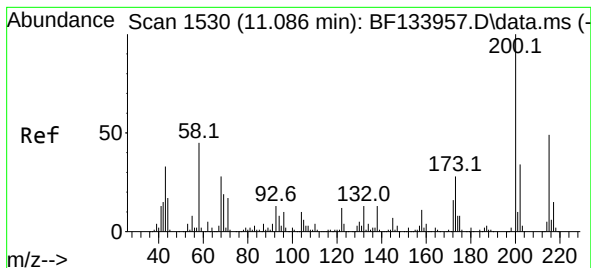
Ion Ratio Lower Upper

284 100

142 32.2 26.6 40.0

249 30.4 25.5 38.3





#69

Atrazine

Concen: 53.977 ng

RT: 11.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

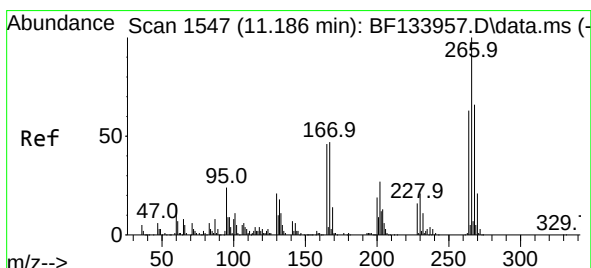
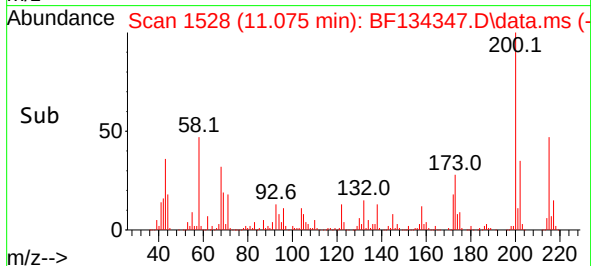
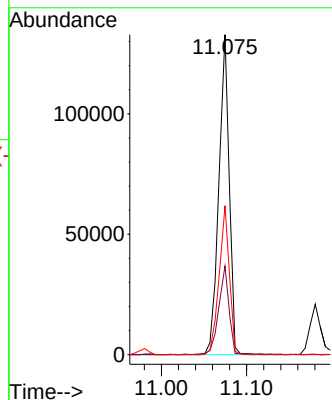
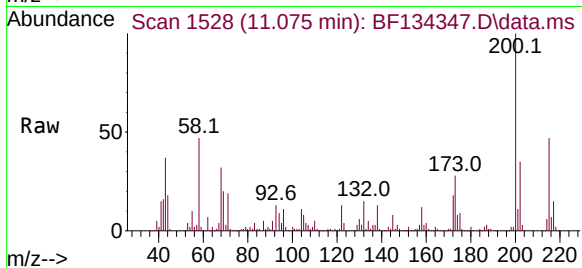
Tgt Ion:200 Resp: 112586

Ion Ratio Lower Upper

200 100

173 27.7 8.0 48.0

215 46.6 29.3 69.3



#70

Pentachlorophenol

Concen: 73.466 ng

RT: 11.180 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

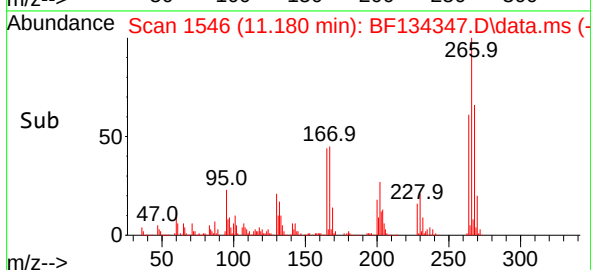
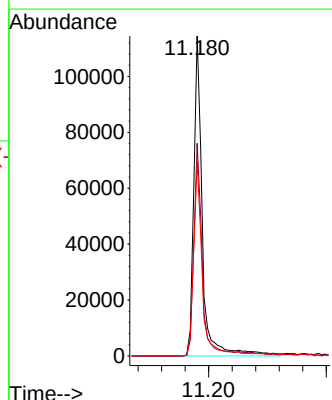
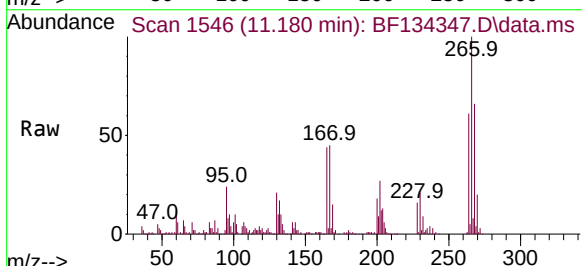
Tgt Ion:266 Resp: 116997

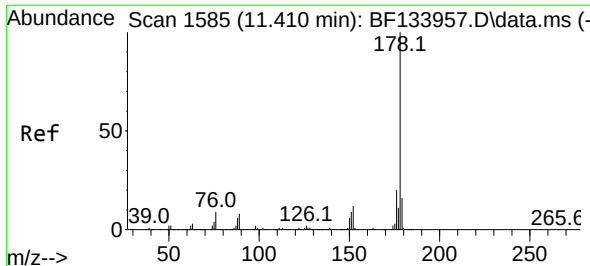
Ion Ratio Lower Upper

266 100

268 66.5 52.6 79.0

264 60.9 50.6 76.0

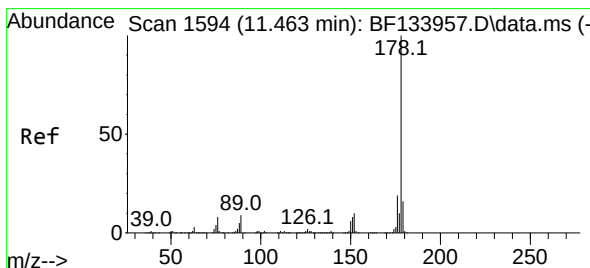
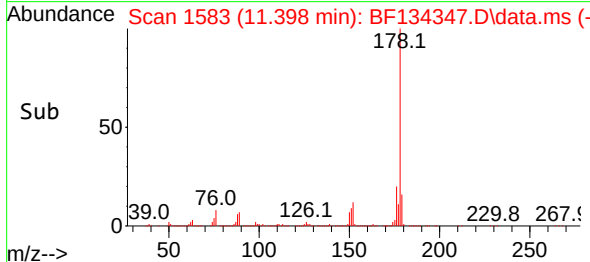
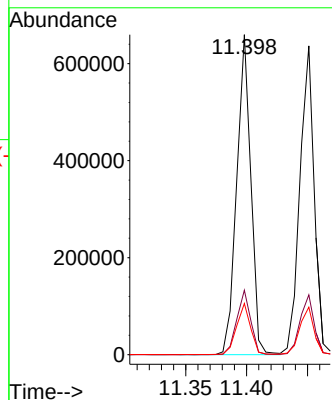
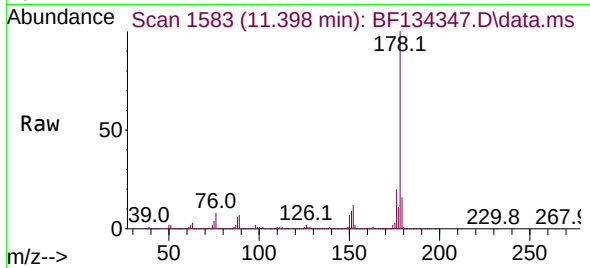




#71
Phenanthrene
Concen: 44.813 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

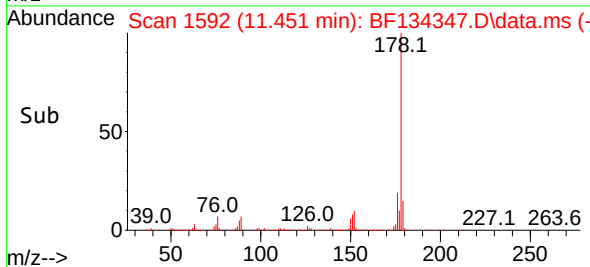
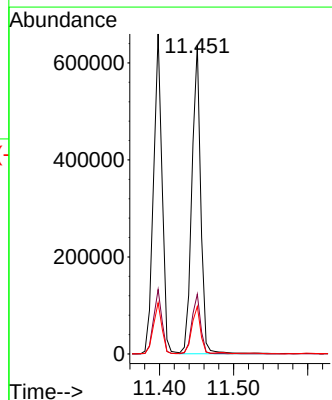
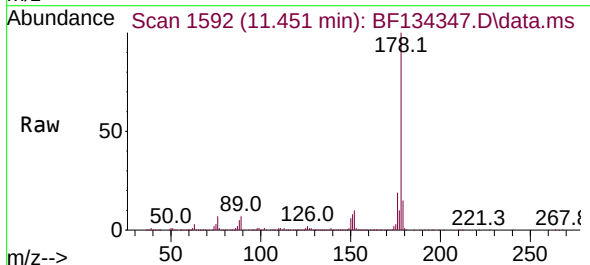
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

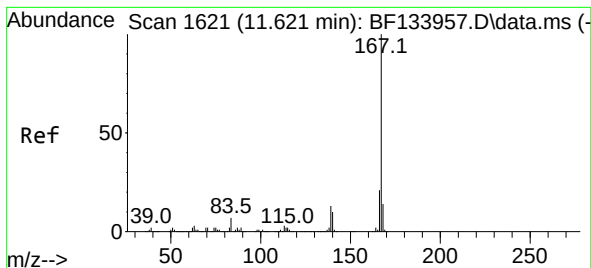
Tgt Ion:178 Resp: 532429
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.0 12.4 18.6



#72
Anthracene
Concen: 42.781 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:178 Resp: 528678
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.4 18.6





#73

Carbazole

Concen: 41.593 ng

RT: 11.610 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

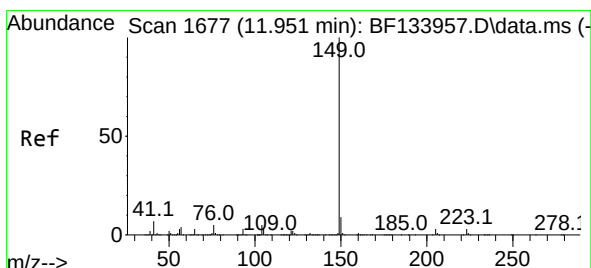
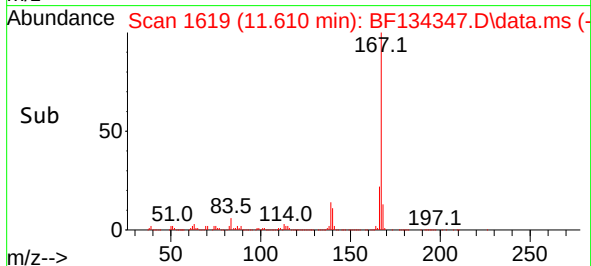
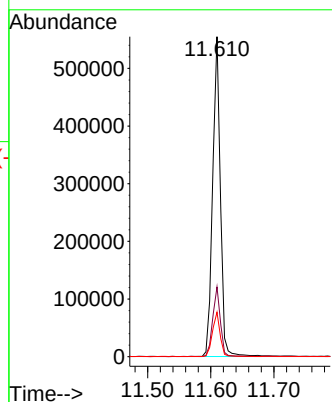
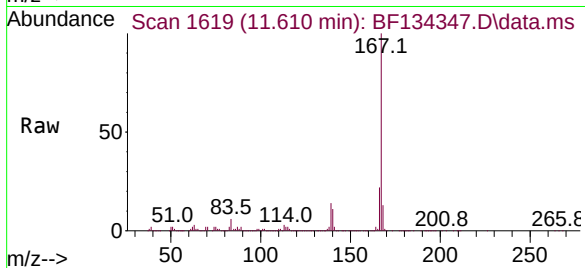
Tgt Ion:167 Resp: 470472

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 13.9 10.4 15.6



#74

Di-n-butylphthalate

Concen: 47.027 ng

RT: 11.933 min Scan# 1674

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

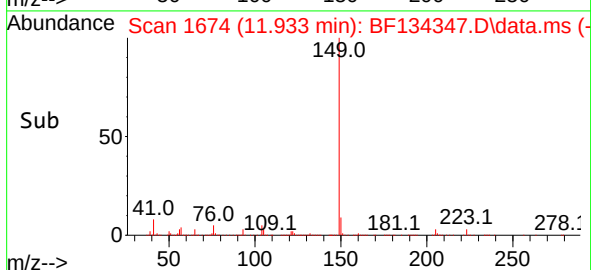
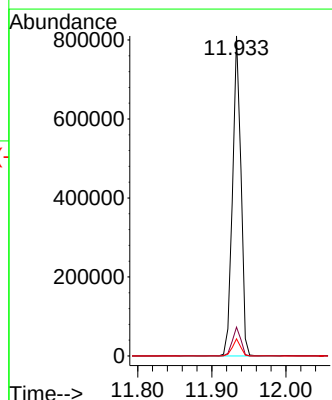
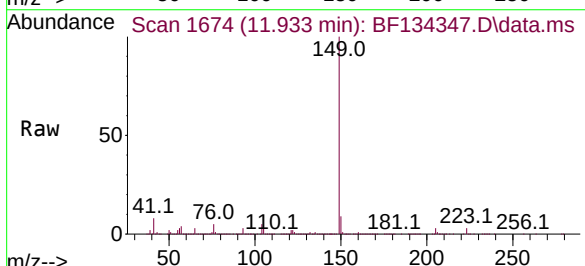
Tgt Ion:149 Resp: 632572

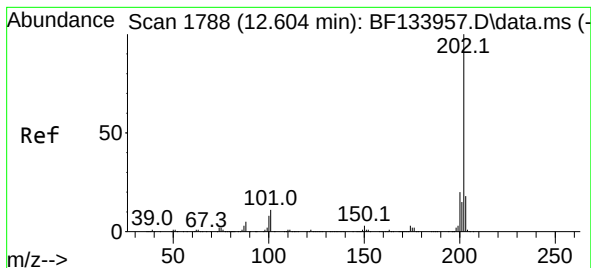
Ion Ratio Lower Upper

149 100

150 9.0 7.1 10.7

104 5.3 4.0 6.0





#75

Fluoranthene

Concen: 46.241 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

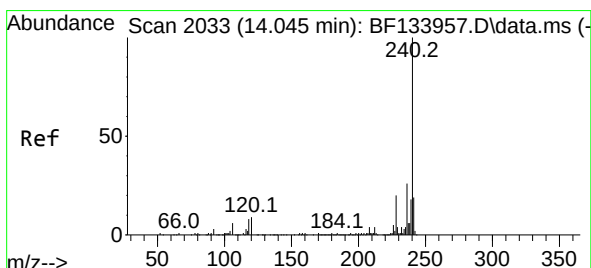
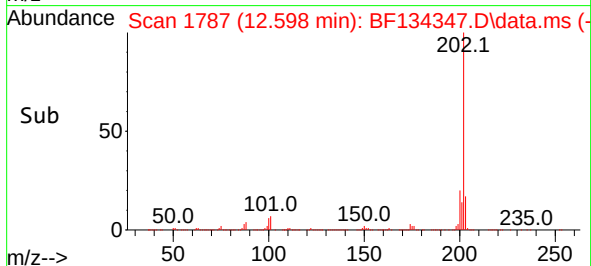
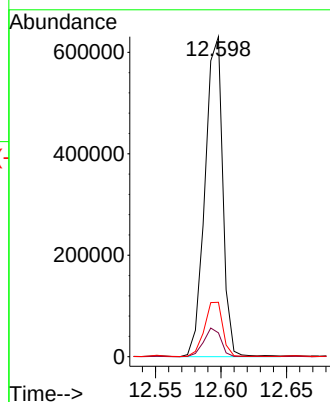
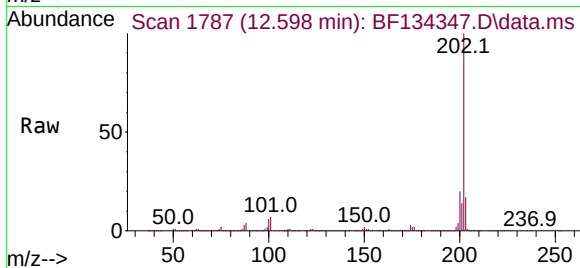
Tgt Ion:202 Resp: 593948

Ion Ratio Lower Upper

202 100

101 7.4 0.0 31.0

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

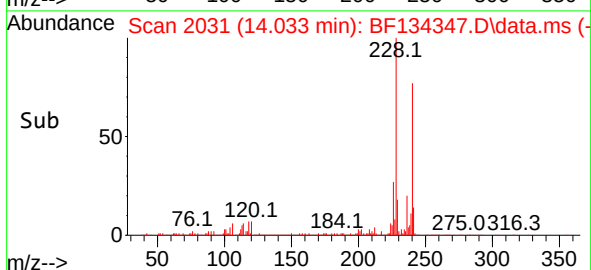
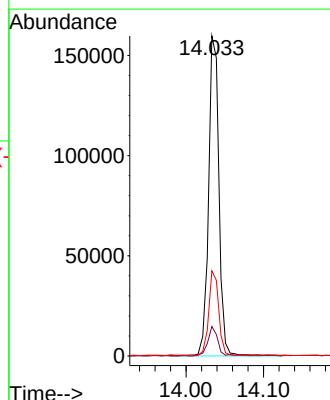
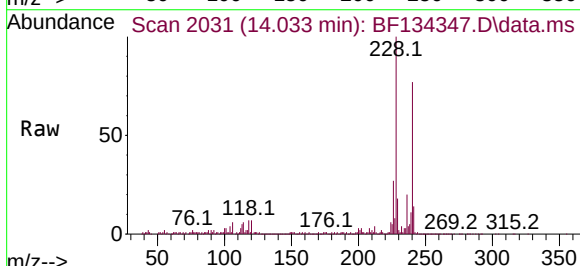
Tgt Ion:240 Resp: 148211

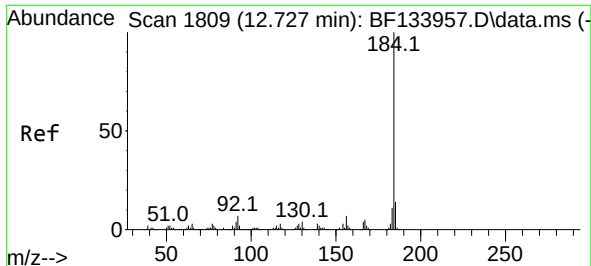
Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.0

236 26.6 21.0 31.6

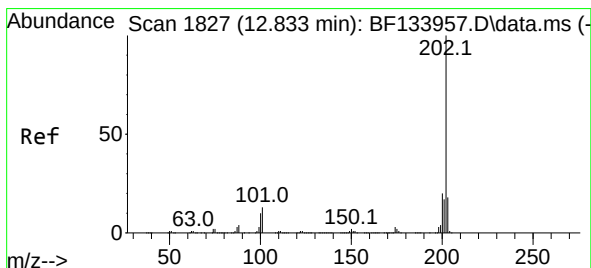
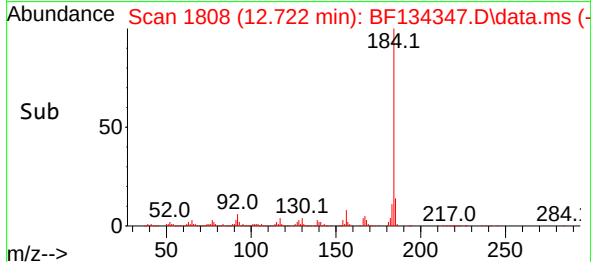
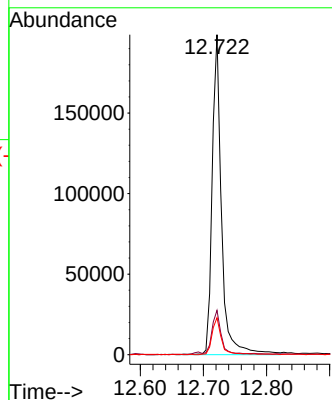
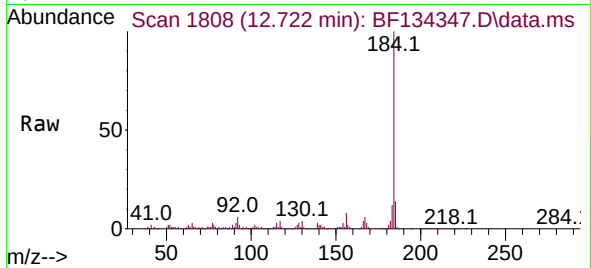




#77
Benzidine
Concen: 58.122 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

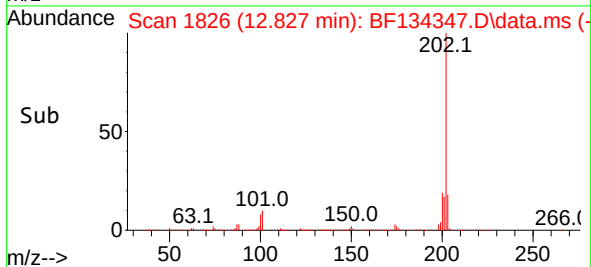
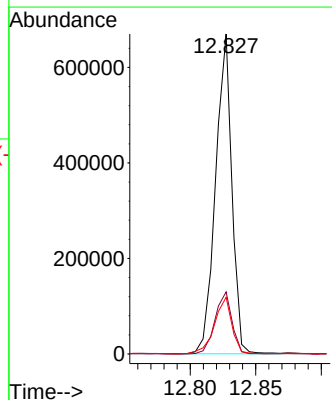
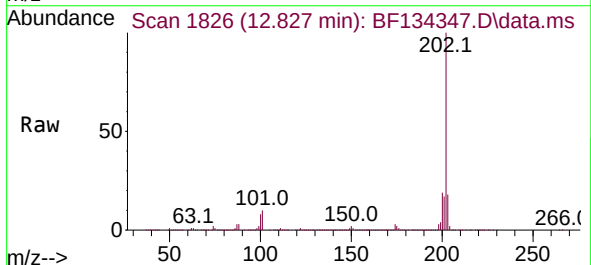
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

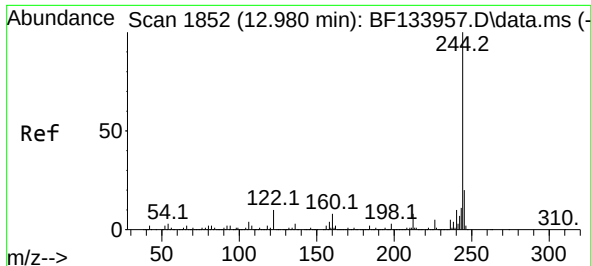
Tgt Ion:184 Resp: 204973
Ion Ratio Lower Upper
184 100
185 13.8 11.6 17.4
183 11.5 8.8 13.2



#78
Pyrene
Concen: 41.895 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:202 Resp: 577860
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 17.7 14.3 21.5

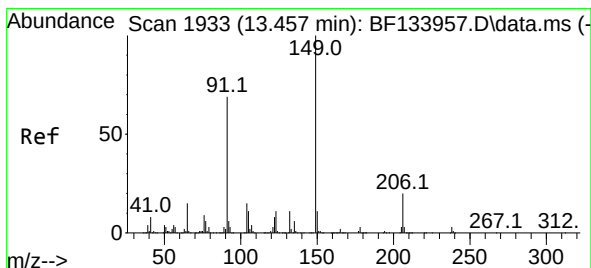
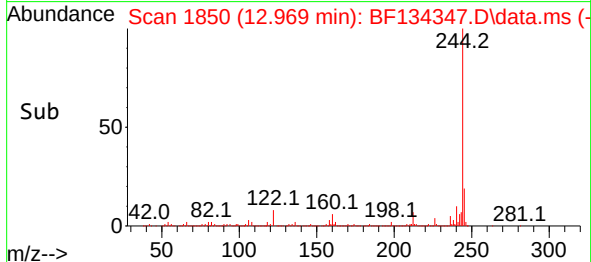
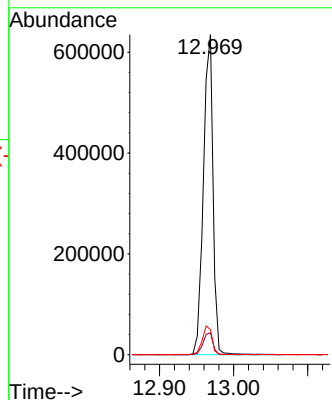
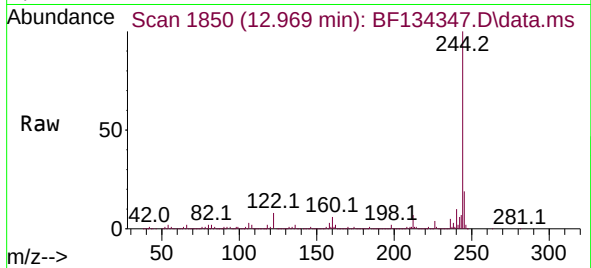




#79
 Terphenyl-d14
 Concen: 62.447 ng
 RT: 12.969 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

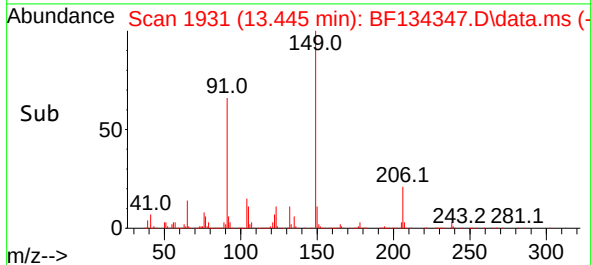
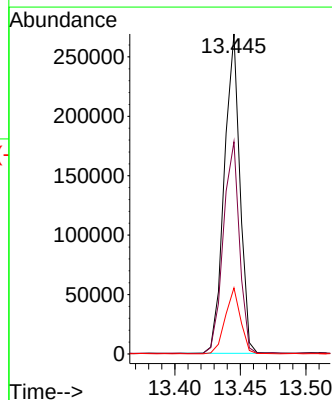
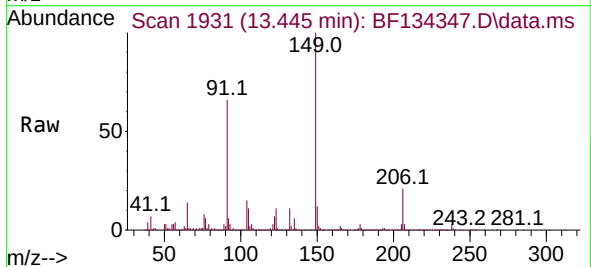
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD

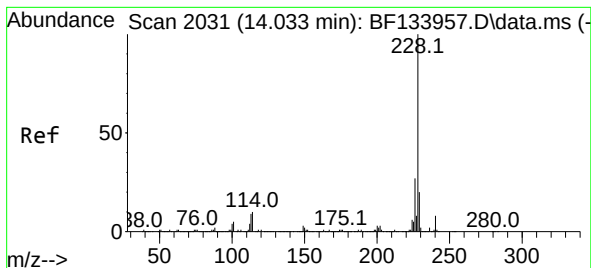
Tgt Ion:244 Resp: 575073
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 7.9 8.3 12.5#



#80
 Butylbenzylphthalate
 Concen: 43.088 ng
 RT: 13.445 min Scan# 1931
 Delta R.T. -0.006 min
 Lab File: BF134347.D
 Acq: 18 Jul 2023 20:17

Tgt Ion:149 Resp: 222896
 Ion Ratio Lower Upper
 149 100
 91 66.3 55.1 82.7
 206 20.7 15.7 23.5





#81

Benzo(a)anthracene

Concen: 47.297 ng

RT: 14.027 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

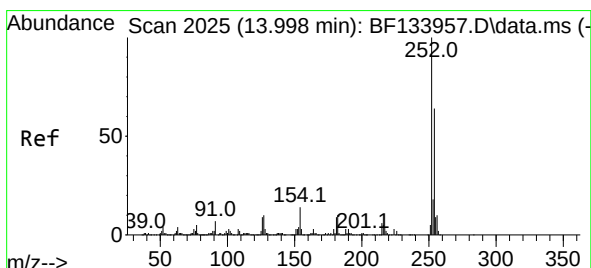
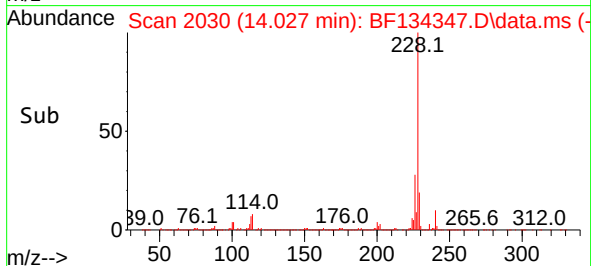
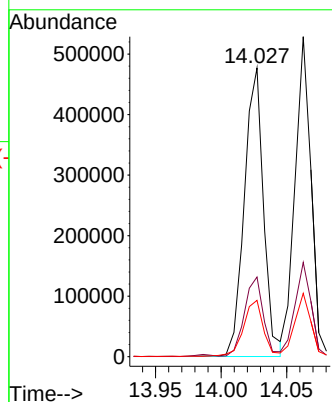
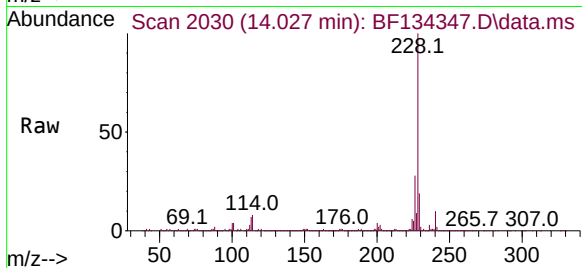
Tgt Ion:228 Resp: 486149

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

229 19.5 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 46.087 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

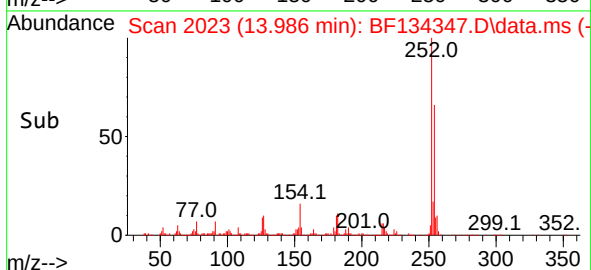
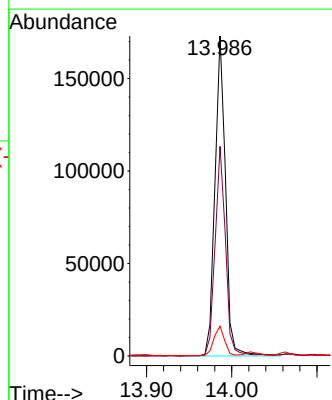
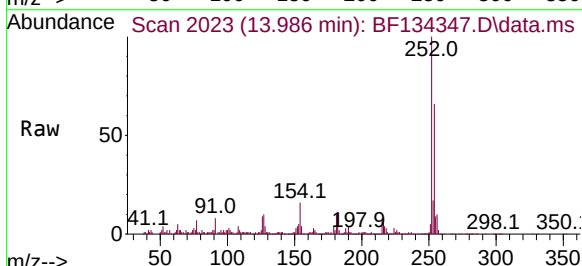
Tgt Ion:252 Resp: 150081

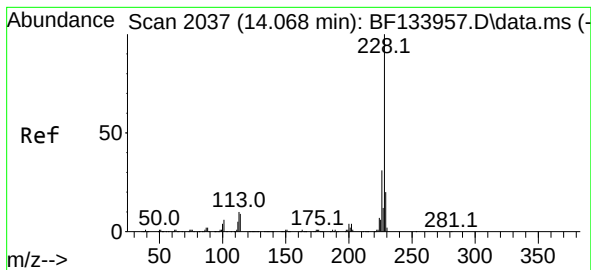
Ion Ratio Lower Upper

252 100

254 65.5 51.4 77.0

126 9.3 7.4 11.2





#83

Chrysene

Concen: 45.148 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

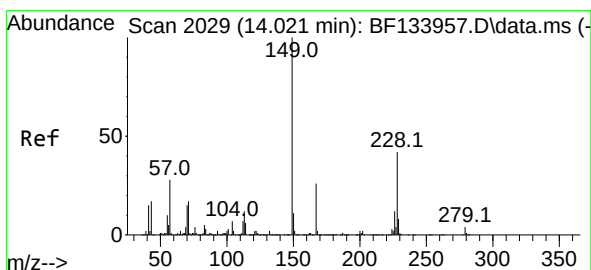
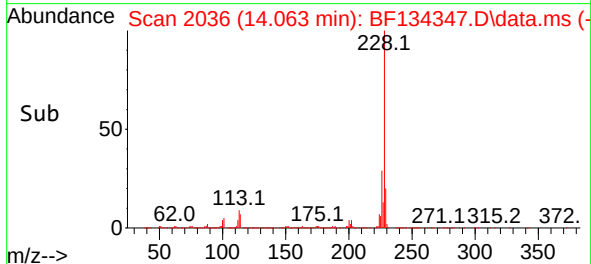
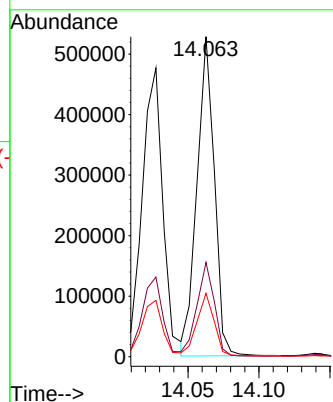
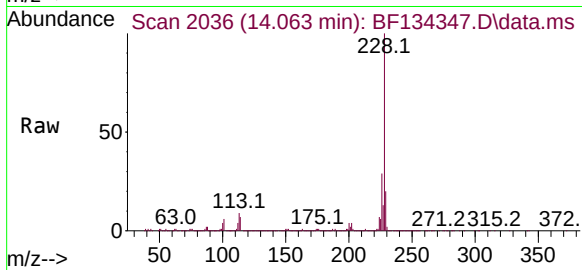
Tgt Ion:228 Resp: 449475

Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 19.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.901 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

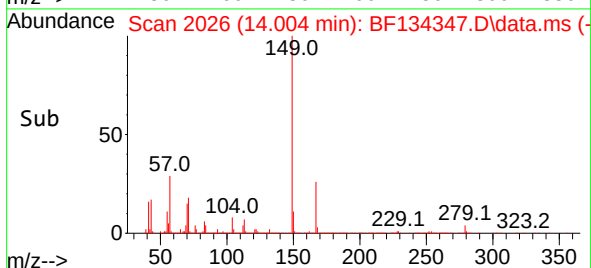
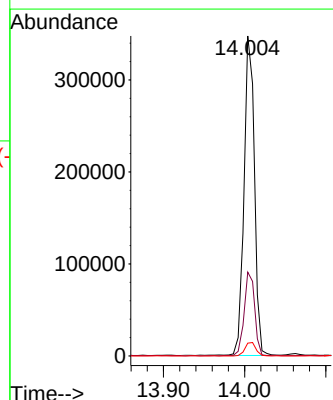
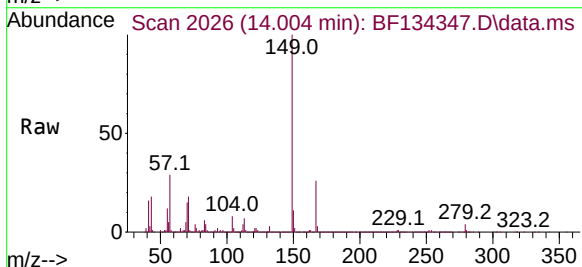
Tgt Ion:149 Resp: 308509

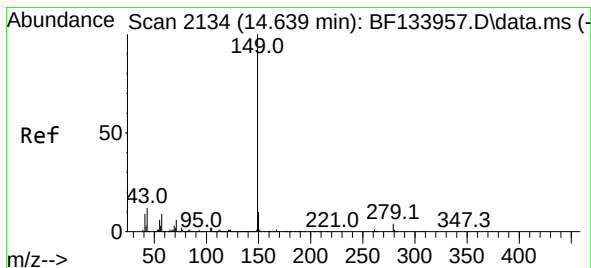
Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

279 4.0 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 56.691 ng

RT: 14.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

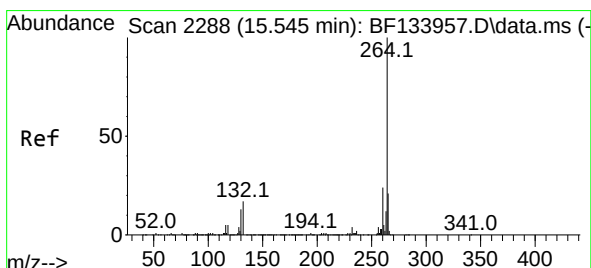
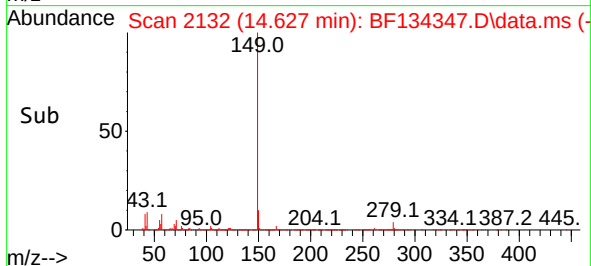
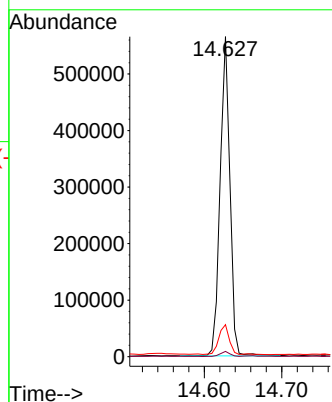
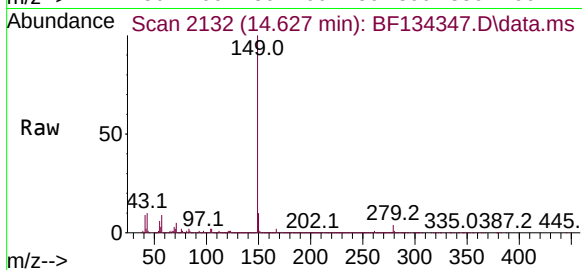
Tgt Ion:149 Resp: 495143

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.7 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

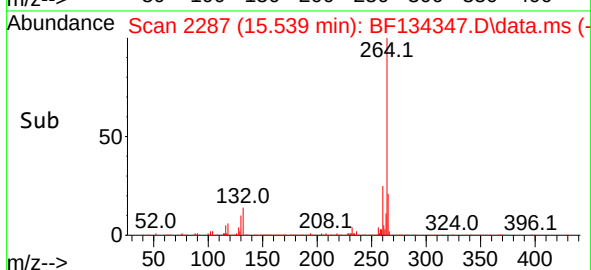
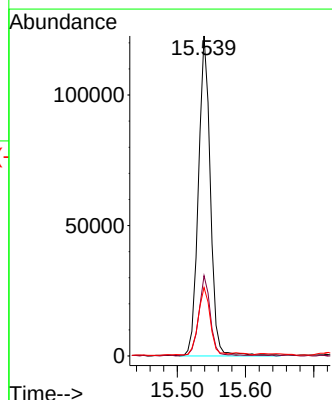
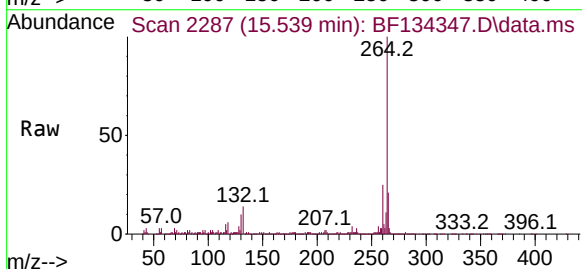
Tgt Ion:264 Resp: 149577

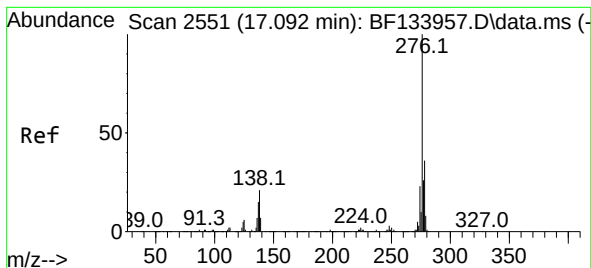
Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.374 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

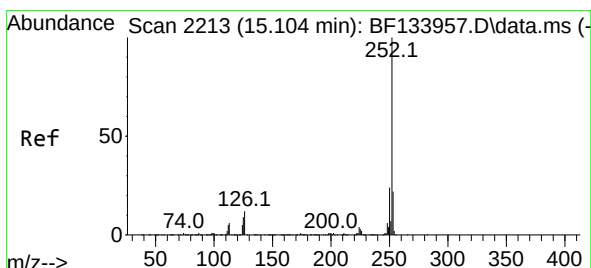
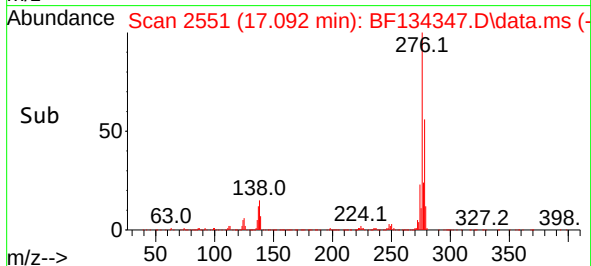
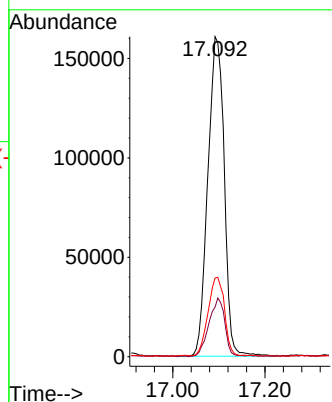
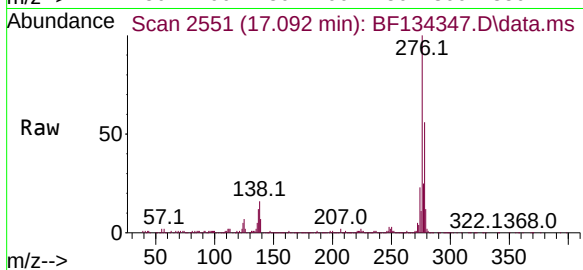
Tgt Ion:276 Resp: 398294

Ion Ratio Lower Upper

276 100

138 17.8 18.7 28.1#

277 24.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 50.006 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

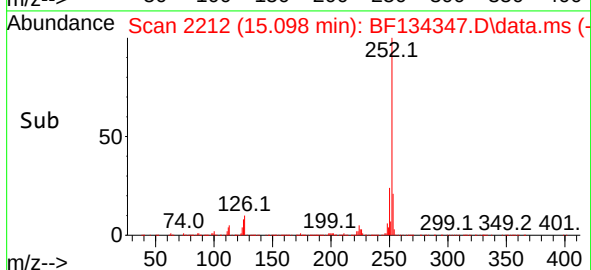
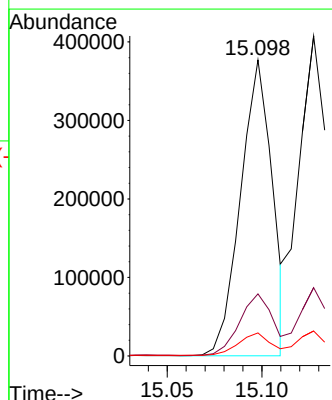
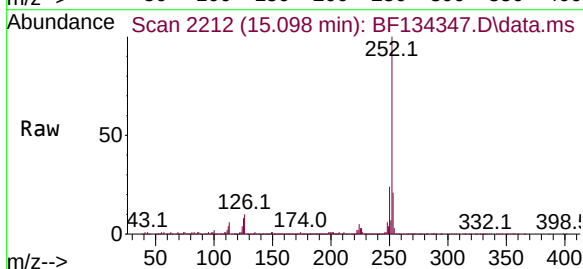
Tgt Ion:252 Resp: 439814

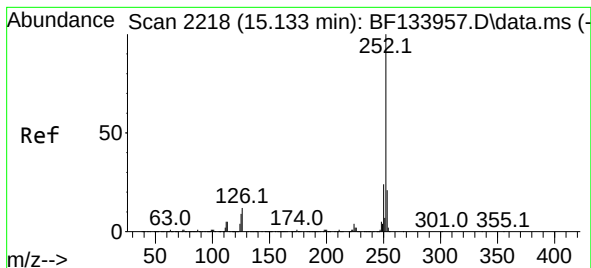
Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.0

125 7.8 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 47.526 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

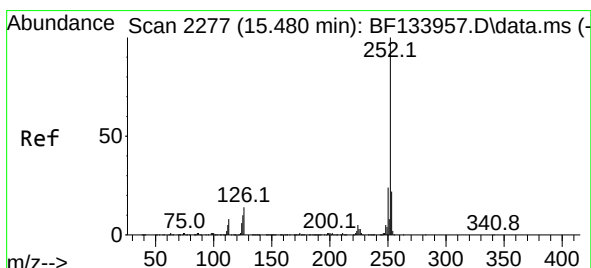
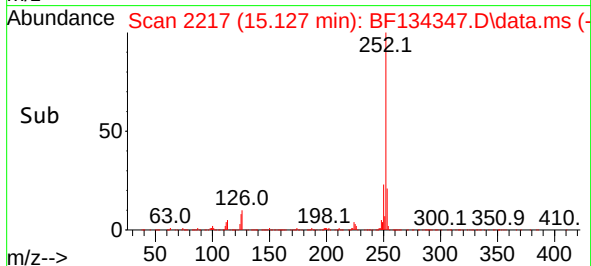
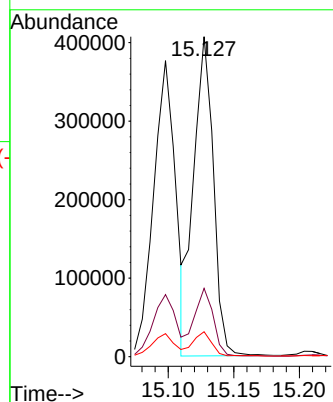
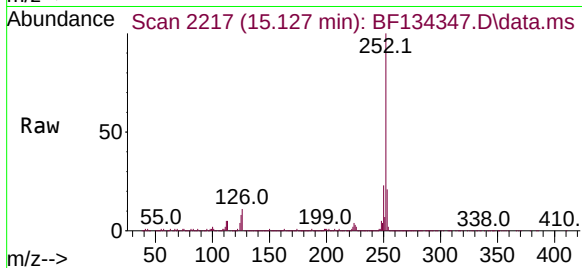
Tgt Ion:252 Resp: 425590

Ion Ratio Lower Upper

252 100

253 21.4 16.9 25.3

125 7.8 7.4 11.2



#90

Benzo(a)pyrene

Concen: 3.153 ng

RT: 15.410 min Scan# 2265

Delta R.T. -0.070 min

Lab File: BF134347.D

Acq: 18 Jul 2023 20:17

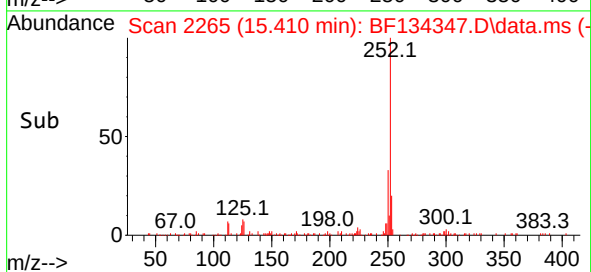
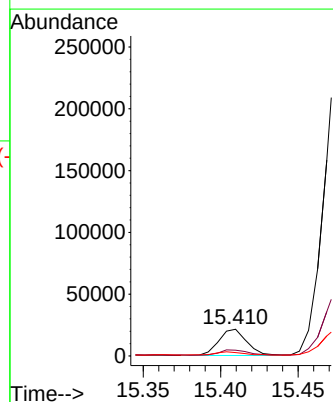
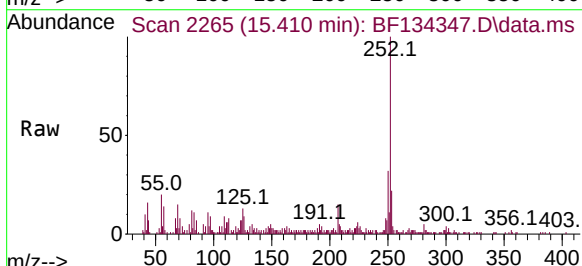
Tgt Ion:252 Resp: 26818

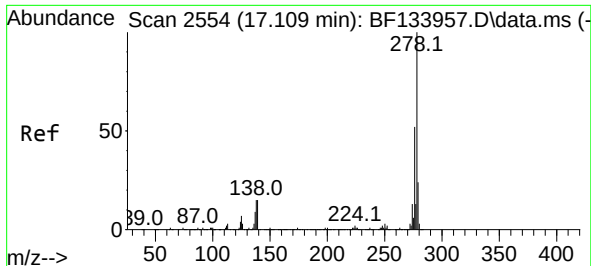
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 12.6 8.4 12.6

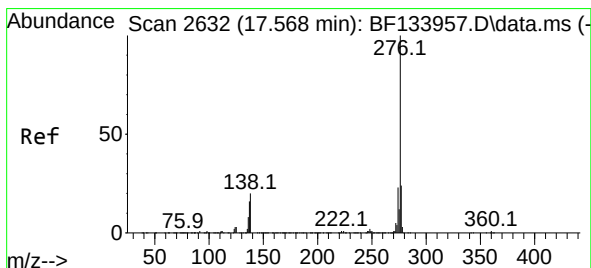
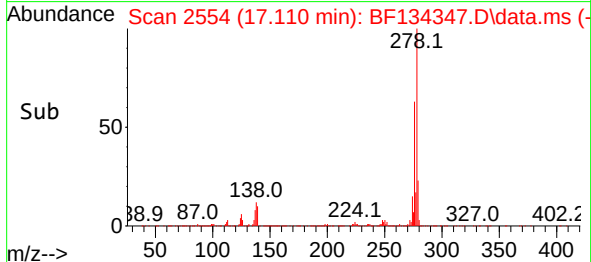
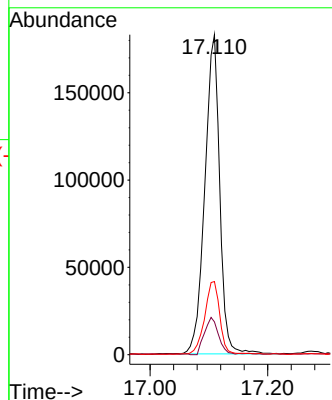
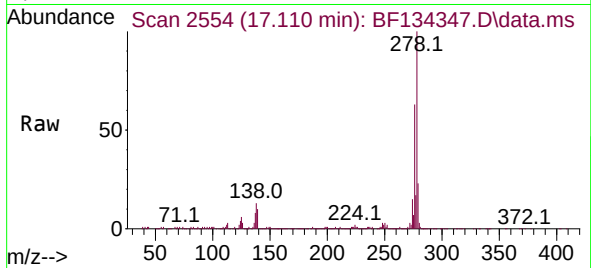




#91
Dibenzo(a,h)anthracene
Concen: 37.875 ng
RT: 17.110 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

Tgt Ion:278 Resp: 321086
Ion Ratio Lower Upper
278 100
139 10.3 12.2 18.4#
279 22.8 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 34.885 ng
RT: 17.568 min Scan# 2632
Delta R.T. 0.000 min
Lab File: BF134347.D
Acq: 18 Jul 2023 20:17

Tgt Ion:276 Resp: 304980
Ion Ratio Lower Upper
276 100
277 22.7 19.0 28.6
138 14.7 16.2 24.2#

