

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134321.D
 Acq On : 17 Jul 2023 18:10
 Operator : CG\JU
 Sample : 03615-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD

Quant Time: Jul 18 01:14:39 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	68389	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	257305	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	124138	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	218864	20.000	ng	0.00
76) Chrysene-d12	14.033	240	132885	20.000	ng	0.00
86) Perylene-d12	15.533	264	107311	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	349877	85.579	ng	0.00
7) Phenol-d6	6.481	99	428786	85.281	ng	0.00
23) Nitrobenzene-d5	7.404	82	289417	60.633	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	135766	87.228	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	554995	65.001	ng	-0.01
79) Terphenyl-d14	12.963	244	541823	65.622	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.657	88	69235	41.071	ng	100
3) Pyridine	3.440	79	153163	34.881	ng	99
4) n-Nitrosodimethylamine	3.399	42	108683	43.337	ng	94
6) Aniline	6.504	93	224495	36.692	ng	94
8) 2-Chlorophenol	6.628	128	187677	45.221	ng	96
9) Benzaldehyde	6.393	77	118285	43.947	ng	96
10) Phenol	6.493	94	229404	43.395	ng	92
11) bis(2-Chloroethyl)ether	6.575	93	165821	42.606	ng	98
12) 1,3-Dichlorobenzene	6.781	146	205630	46.474	ng	97
13) 1,4-Dichlorobenzene	6.857	146	208223	46.592	ng	99
14) 1,2-Dichlorobenzene	7.004	146	194995	46.589	ng	98
15) Benzyl Alcohol	6.987	79	173686	44.810	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	261440	37.970	ng	93
17) 2-Methylphenol	7.098	107	154839	41.663	ng	95
18) Hexachloroethane	7.345	117	73490	44.349	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	134606	42.216	ng	96
20) 3+4-Methylphenols	7.251	107	191173	42.402	ng	95
22) Acetophenone	7.245	105	268012	45.800	ng	96
24) Nitrobenzene	7.422	77	209581	43.450	ng	93
25) Isophorone	7.657	82	354275	40.838	ng	98
26) 2-Nitrophenol	7.734	139	92431	39.946	ng	92
27) 2,4-Dimethylphenol	7.775	122	162803	44.448	ng	95
28) bis(2-Chloroethoxy)met...	7.869	93	203270	40.467	ng	99
29) 2,4-Dichlorophenol	7.981	162	154250	42.469	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	168424	44.941	ng	98
31) Naphthalene	8.139	128	525375	42.271	ng	99
32) Benzoic acid	7.898	122	103094	37.562	ng	89
33) 4-Chloroaniline	8.192	127	144464	27.173	ng	98
34) Hexachlorobutadiene	8.251	225	108097	45.725	ng	99
35) Caprolactam	8.569	113	41724	34.889	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	173388	42.495	ng	99
37) 2-Methylnaphthalene	8.834	142	345671	39.330	ng	98
38) 1-Methylnaphthalene	8.928	142	320907	39.276	ng	98
40) 1,2,4,5-Tetrachloroben...	8.998	216	169542	46.099	ng	98
41) Hexachlorocyclopentadiene	8.981	237	45361	25.998	ng	94
43) 2,4,6-Trichlorophenol	9.110	196	108267	43.244	ng	99

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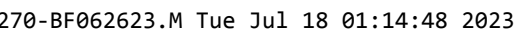
Instrument :
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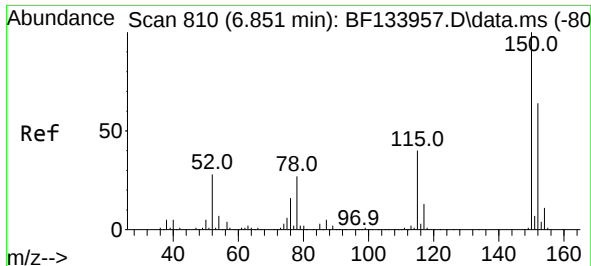
Quant Time: Jul 18 01:14:39 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.157	196	116751	39.644	ng	97
46) 1,1'-Biphenyl	9.298	154	431818	43.364	ng	97
47) 2-Chloronaphthalene	9.322	162	323544	44.407	ng	97
48) 2-Nitroaniline	9.422	65	114046	42.950	ng	99
49) Acenaphthylene	9.739	152	521388	41.892	ng	99
50) Dimethylphthalate	9.598	163	387571	43.010	ng	99
51) 2,6-Dinitrotoluene	9.663	165	80261	41.353	ng	# 84
52) Acenaphthene	9.910	154	303822	42.070	ng	98
53) 3-Nitroaniline	9.839	138	88508	38.012	ng	100
54) 2,4-Dinitrophenol	9.951	184	19077	20.062	ng	96
55) Dibenzofuran	10.081	168	465886	41.278	ng	97
56) 4-Nitrophenol	10.010	139	114641	70.389	ng	93
57) 2,4-Dinitrotoluene	10.075	165	102764	40.093	ng	93
58) Fluorene	10.428	166	361739	41.196	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	91487	39.383	ng	98
60) Diethylphthalate	10.298	149	404321	43.067	ng	97
61) 4-Chlorophenyl-phenyle...	10.416	204	179249	42.359	ng	93
62) 4-Nitroaniline	10.457	138	83100	35.414	ng	93
63) Azobenzene	10.580	77	347789	39.163	ng	98
65) 4,6-Dinitro-2-methylph...	10.486	198	16123	13.512	ng	90
66) n-Nitrosodiphenylamine	10.539	169	318182	45.502	ng	98
67) 4-Bromophenyl-phenylether	10.910	248	103774	44.610	ng	92
68) Hexachlorobenzene	10.980	284	118435	47.951	ng	# 92
69) Atrazine	11.069	200	99066	51.217	ng	99
70) Pentachlorophenol	11.180	266	102960	69.717	ng	97
71) Phenanthrene	11.398	178	488437	44.331	ng	99
72) Anthracene	11.445	178	487256	42.518	ng	99
73) Carbazole	11.604	167	437125	41.673	ng	98
74) Di-n-butylphthalate	11.933	149	554980	44.491	ng	100
75) Fluoranthene	12.592	202	570867	47.926	ng	98
77) Benzidine	12.722	184	254740	80.565	ng	98
78) Pyrene	12.822	202	569839	46.078	ng	99
80) Butylbenzylphthalate	13.445	149	205174	44.236	ng	94
81) Benzo(a)anthracene	14.021	228	420675	45.647	ng	98
82) 3,3'-Dichlorobenzidine	13.986	252	136607	46.787	ng	99
83) Chrysene	14.063	228	397587	44.542	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	272206	51.076	ng	99
85) Di-n-octyl phthalate	14.627	149	403174	51.485	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	293250	39.382	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	315937	50.069	ng	99
89) Benzo(k)fluoranthene	15.121	252	297498	46.307	ng	98
90) Benzo(a)pyrene	15.468	252	258282	42.330	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	227190	37.354	ng	97
92) Benzo(g,h,i)perylene	17.545	276	223994	35.713	ng	96

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

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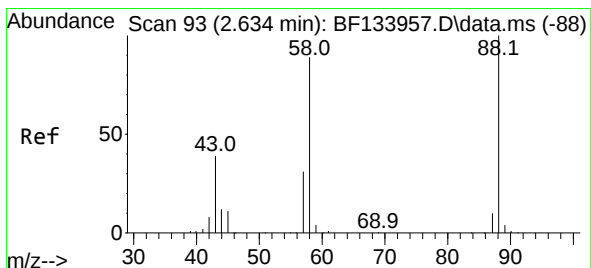
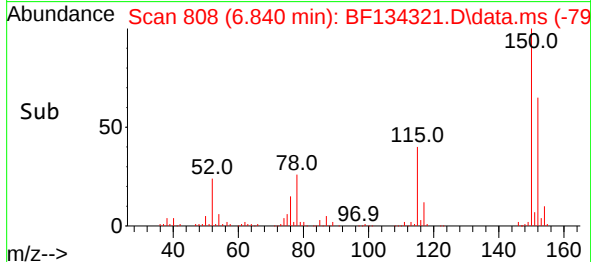
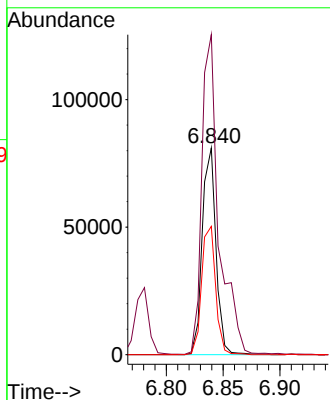
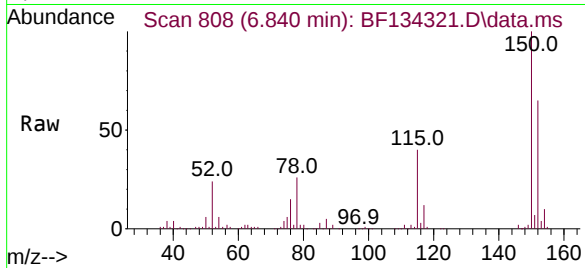




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BF134321.D
 Acq: 17 Jul 2023 18:10

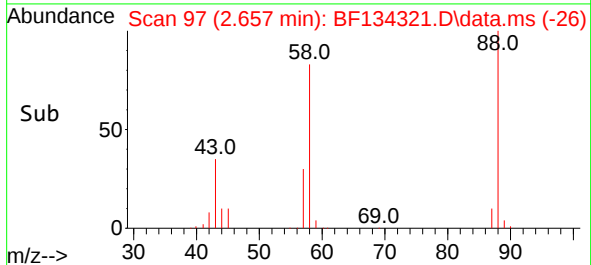
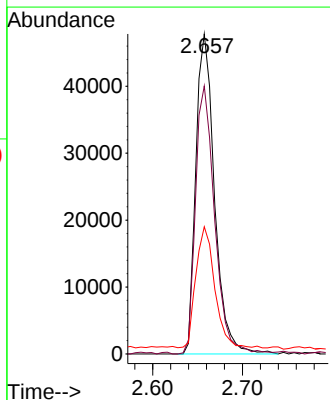
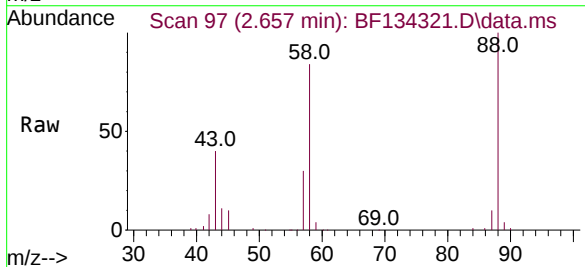
Instrument :
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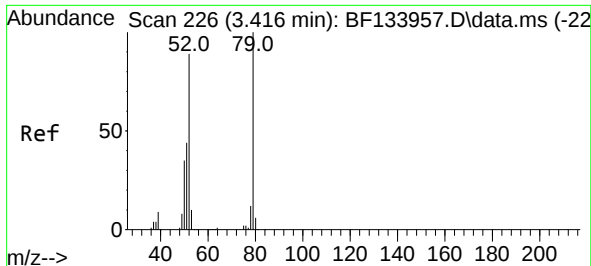
Tgt Ion:152 Resp: 68389
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.5 186.7
 115 62.0 50.2 75.2



#2
 1,4-Dioxane
 Concen: 41.071 ng
 RT: 2.657 min Scan# 97
 Delta R.T. 0.065 min
 Lab File: BF134321.D
 Acq: 17 Jul 2023 18:10

Tgt Ion: 88 Resp: 69235
 Ion Ratio Lower Upper
 88 100
 58 86.1 68.8 103.2
 43 38.2 30.7 46.1

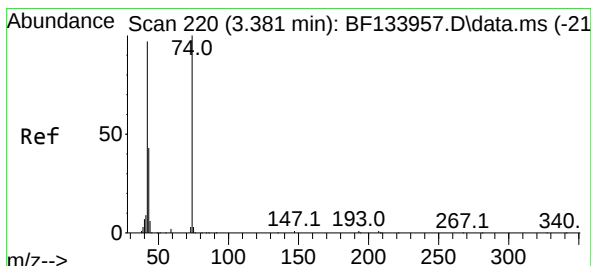
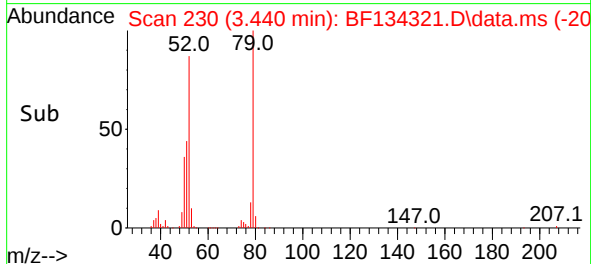
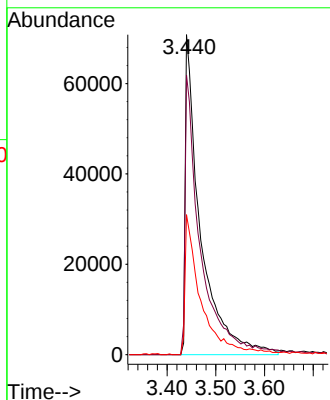
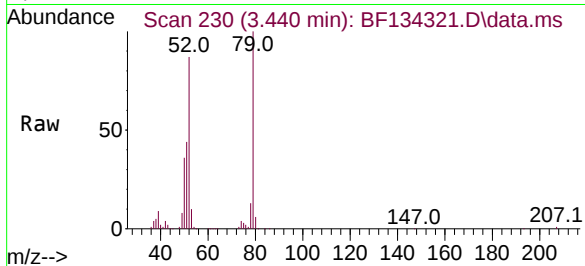




#3
Pyridine
Concen: 34.881 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.059 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

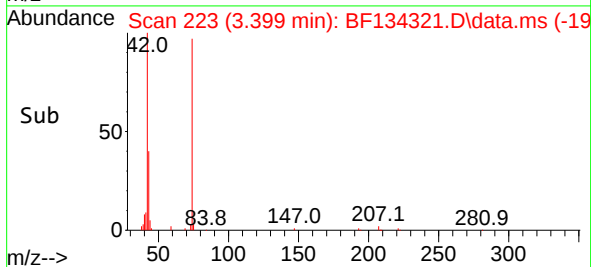
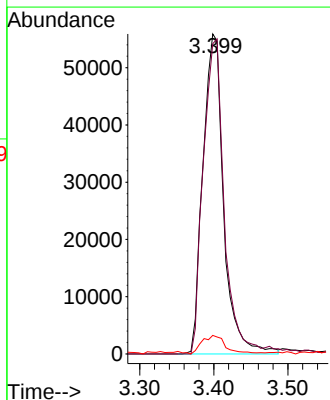
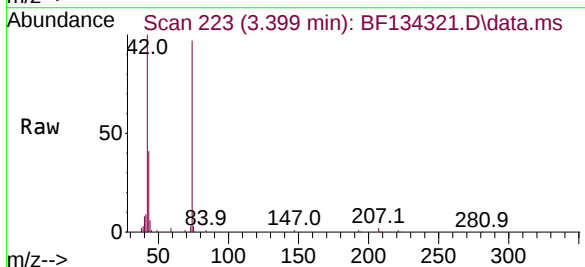
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

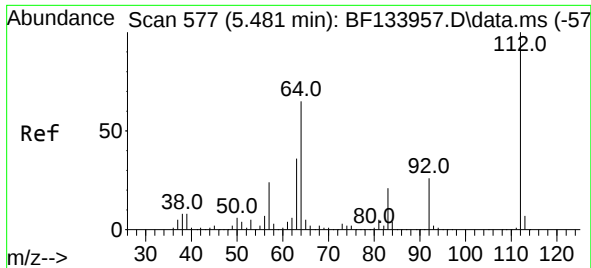
Tgt Ion: 79 Resp: 153163
Ion Ratio Lower Upper
79 100
52 87.4 71.1 106.7
51 43.8 35.2 52.8



#4
n-Nitrosodimethylamine
Concen: 43.337 ng
RT: 3.399 min Scan# 223
Delta R.T. 0.059 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion: 42 Resp: 108683
Ion Ratio Lower Upper
42 100
74 96.9 82.4 123.6
44 5.8 4.9 7.3

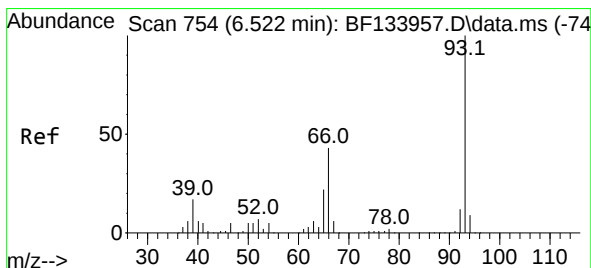
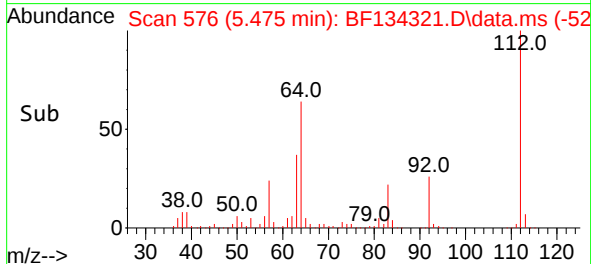
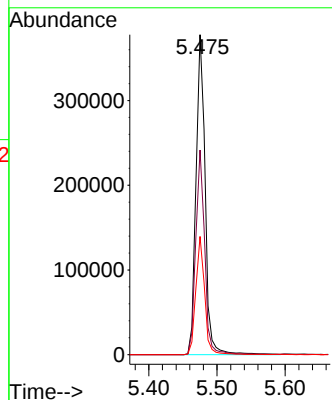
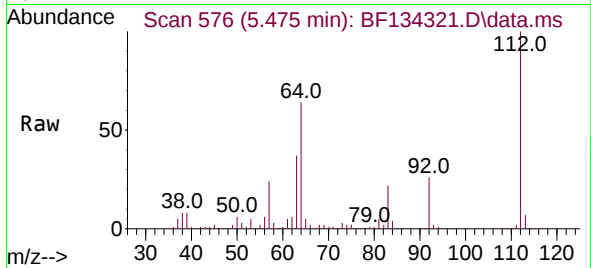




#5
2-Fluorophenol
Concen: 85.579 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

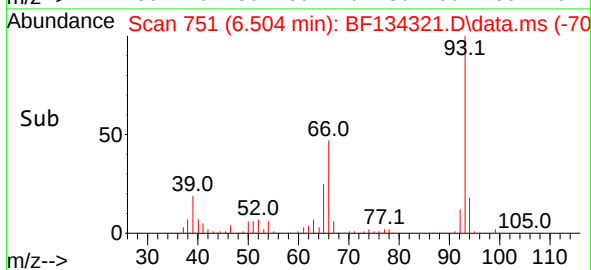
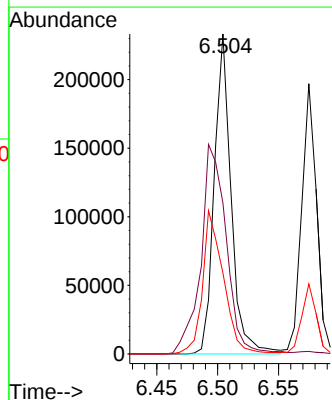
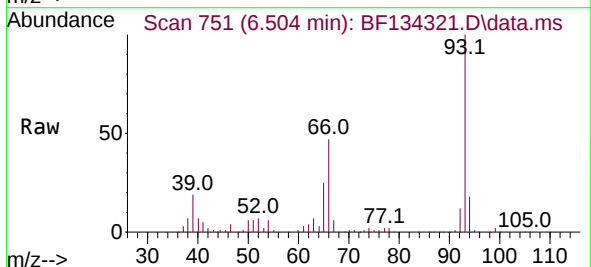
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

Tgt Ion:112 Resp: 349877
Ion Ratio Lower Upper
112 100
64 63.9 52.1 78.1
63 37.0 28.6 42.8



#6
Aniline
Concen: 36.692 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion: 93 Resp: 224495
Ion Ratio Lower Upper
93 100
66 47.2 34.5 51.7
65 25.3 17.8 26.6

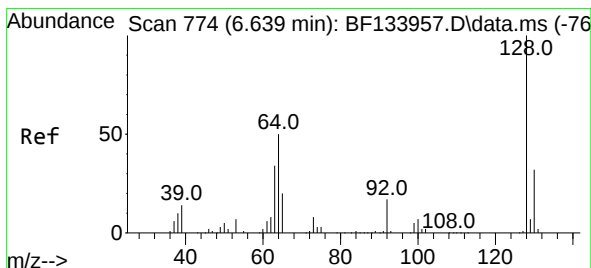
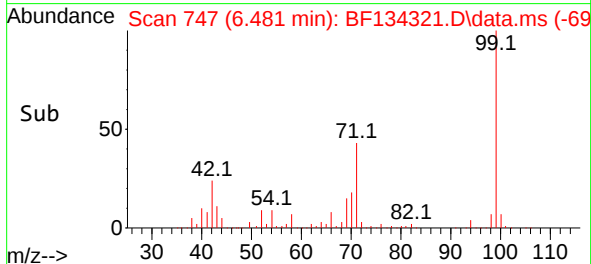
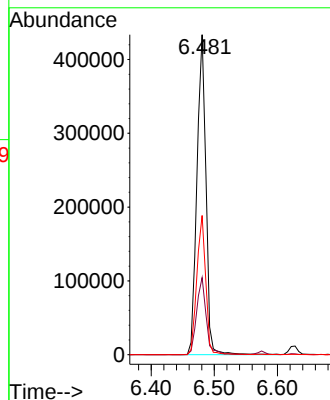
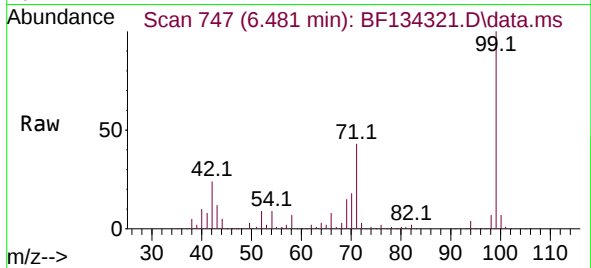




#7
Phenol-d6
Concen: 85.281 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

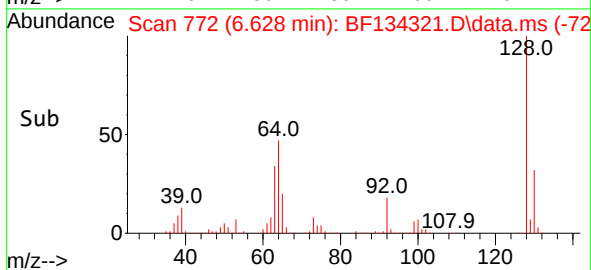
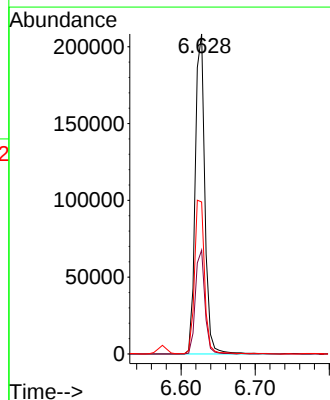
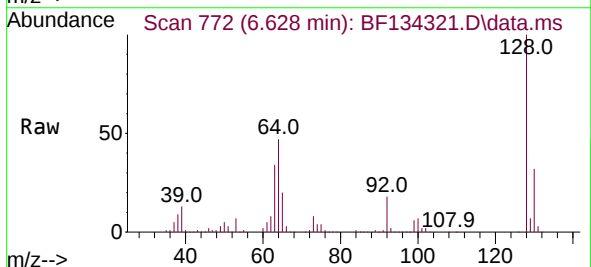
Instrument :
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Tgt Ion: 99 Resp: 428786
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 43.5 31.9 47.9



#8
2-Chlorophenol
Concen: 45.221 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:128 Resp: 187677
Ion Ratio Lower Upper
128 100
130 32.4 11.7 51.7
64 47.5 31.3 71.3





#9

Benzaldehyde

Concen: 43.947 ng

RT: 6.393 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

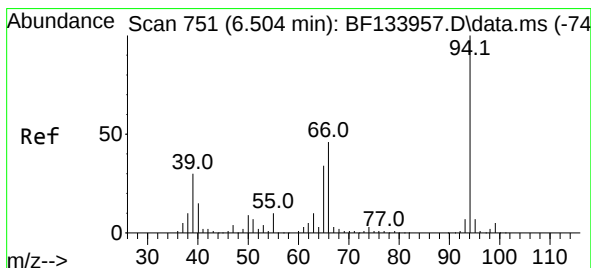
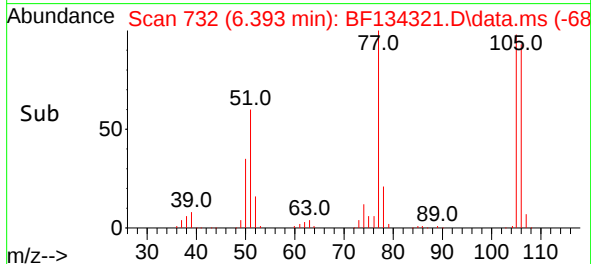
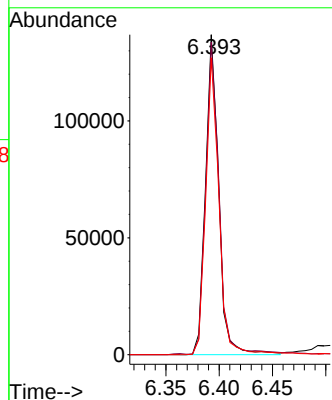
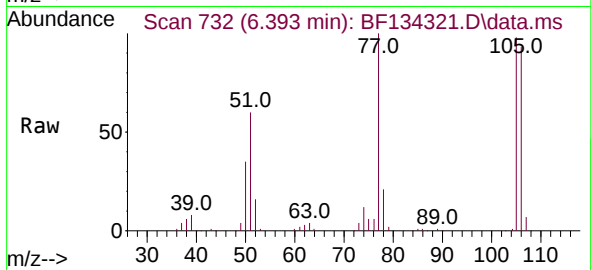
Tgt Ion: 77 Resp: 118285

Ion Ratio Lower Upper

77 100

105 97.7 82.0 122.0

106 92.8 76.9 116.9



#10

Phenol

Concen: 43.395 ng

RT: 6.493 min Scan# 749

Delta R.T. -0.006 min

Lab File: BF134321.D

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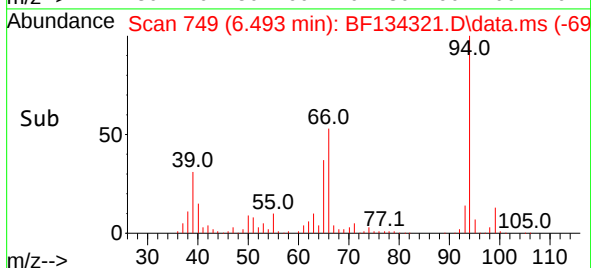
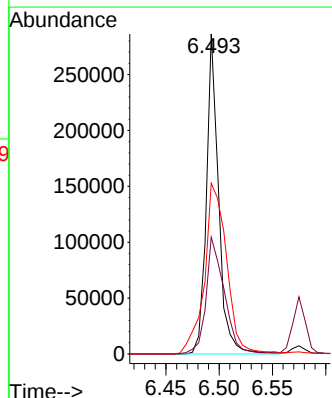
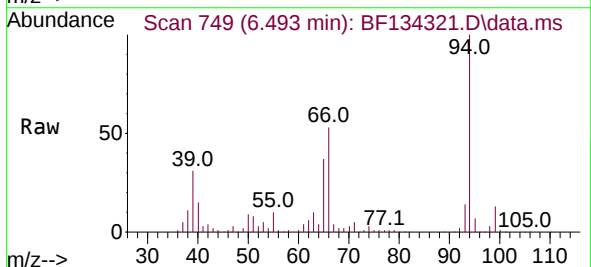
Tgt Ion: 94 Resp: 229404

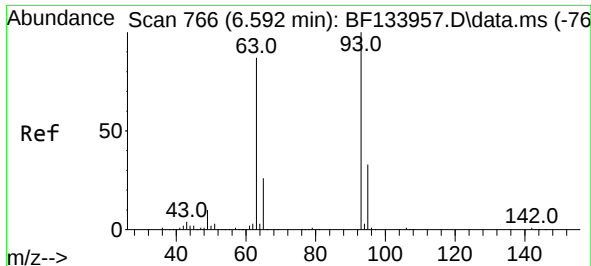
Ion Ratio Lower Upper

94 100

65 36.5 14.2 54.2

66 53.4 26.4 66.4

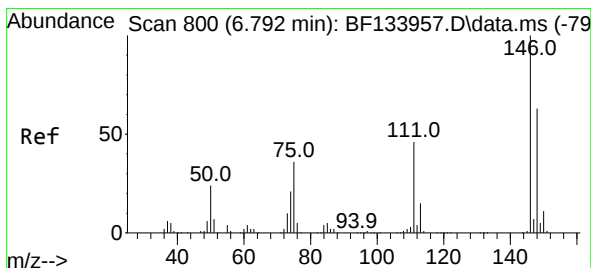
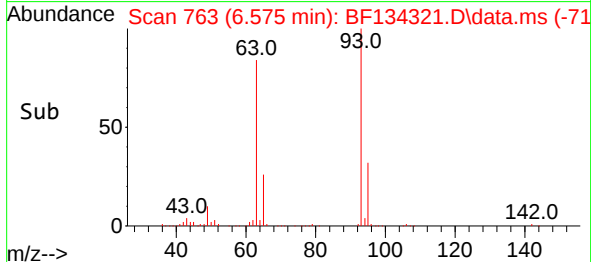
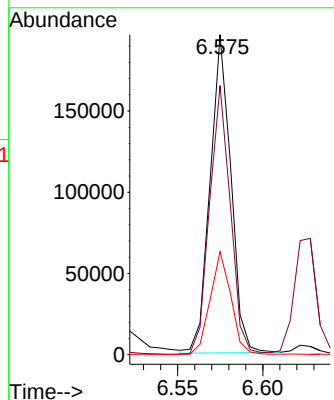
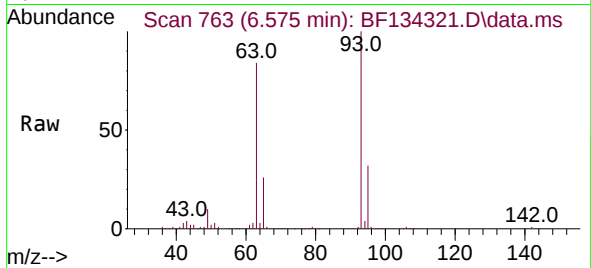




#11
bis(2-Chloroethyl)ether
Concen: 42.606 ng
RT: 6.575 min Scan# 766
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

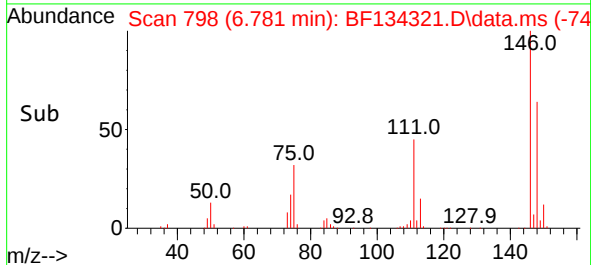
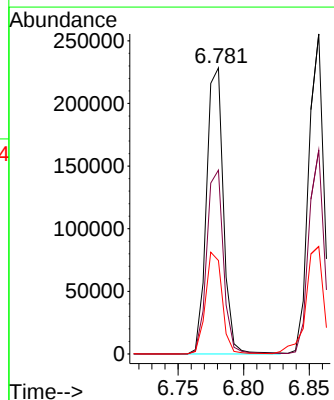
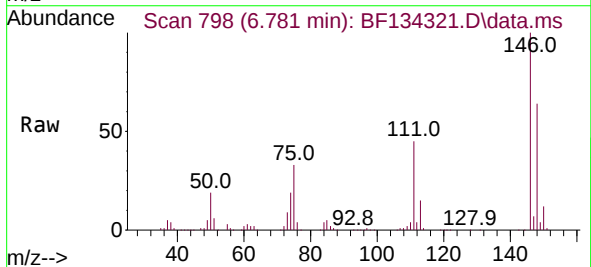
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

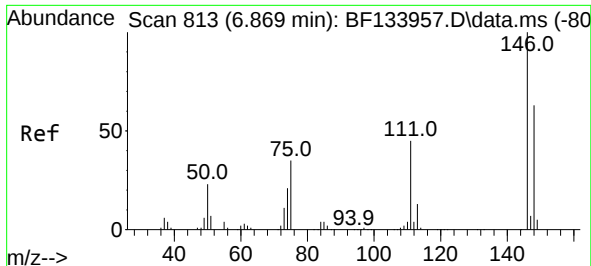
Tgt Ion: 93 Resp: 165821
Ion Ratio Lower Upper
93 100
63 84.1 66.5 106.5
95 32.2 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 46.474 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion: 146 Resp: 205630
Ion Ratio Lower Upper
146 100
148 64.3 50.5 75.7
75 32.6 29.0 43.6





#13

1,4-Dichlorobenzene

Concen: 46.592 ng

RT: 6.857 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

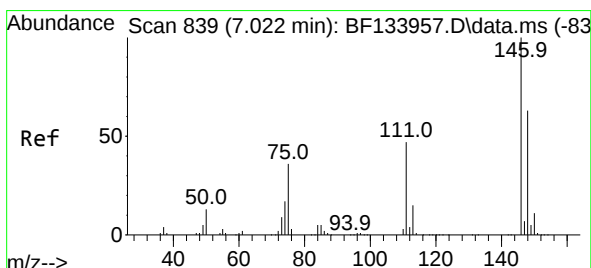
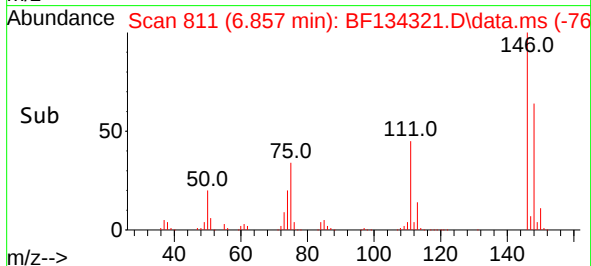
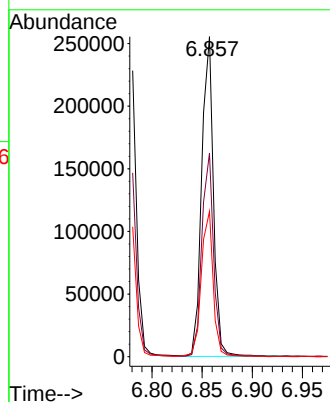
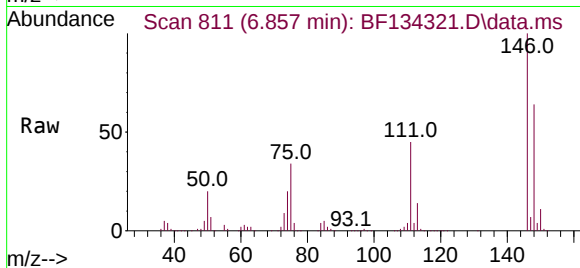
Tgt Ion:146 Resp: 208223

Ion Ratio Lower Upper

146 100

148 63.6 50.2 75.2

111 45.4 35.8 53.6



#14

1,2-Dichlorobenzene

Concen: 46.589 ng

RT: 7.004 min Scan# 836

Delta R.T. -0.012 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

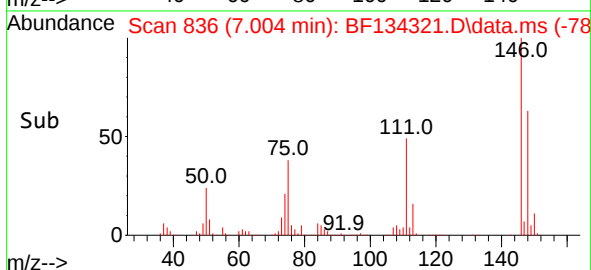
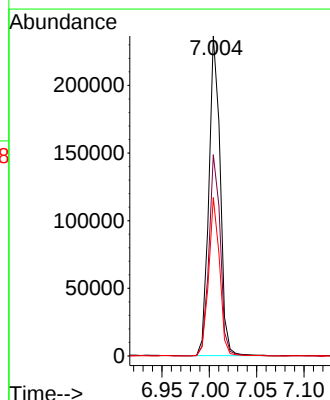
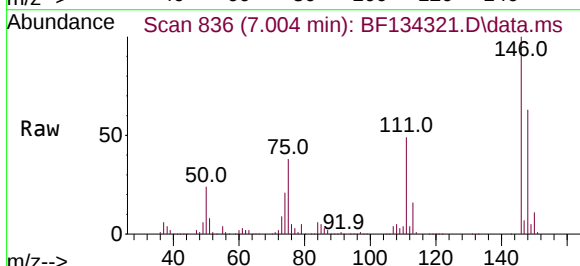
Tgt Ion:146 Resp: 194995

Ion Ratio Lower Upper

146 100

148 62.9 50.6 76.0

111 49.5 38.0 57.0

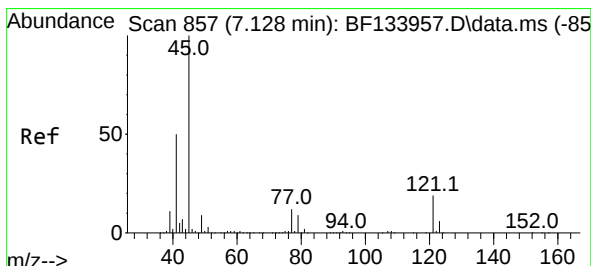
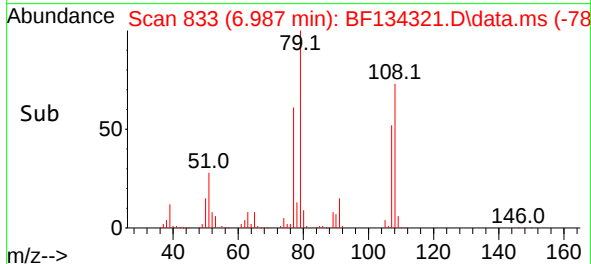
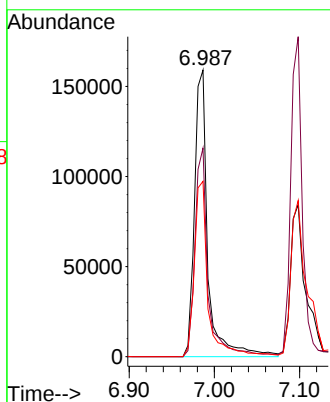
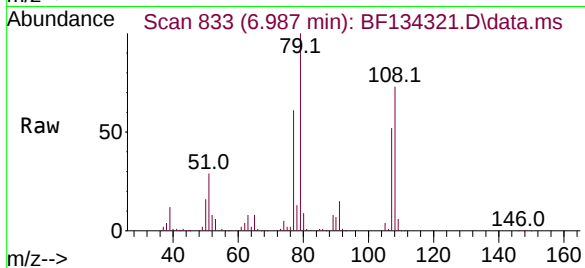




#15
Benzyl Alcohol
Concen: 44.810 ng
RT: 6.987 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

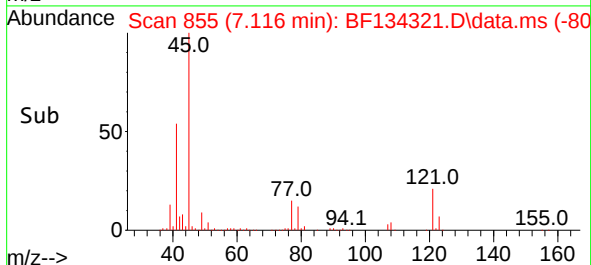
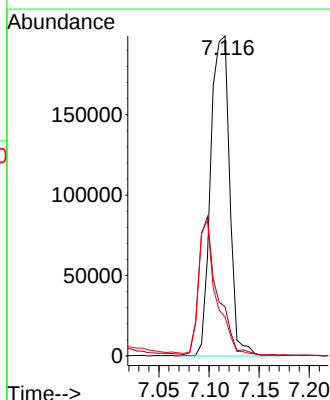
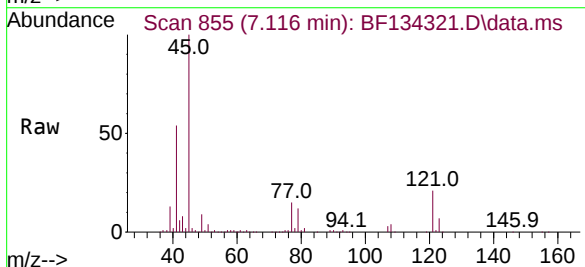
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

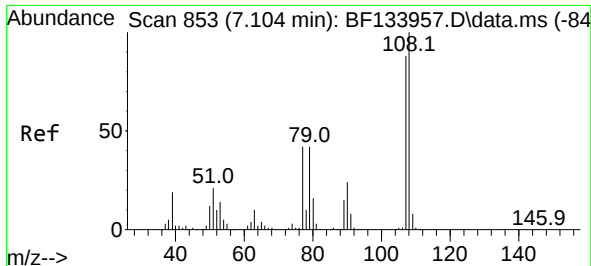
Tgt Ion: 79 Resp: 173686
Ion Ratio Lower Upper
79 100
108 72.8 60.7 91.1
77 61.2 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.970 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion: 45 Resp: 261440
Ion Ratio Lower Upper
45 100
77 15.4 0.0 32.9
79 12.1 0.0 29.5

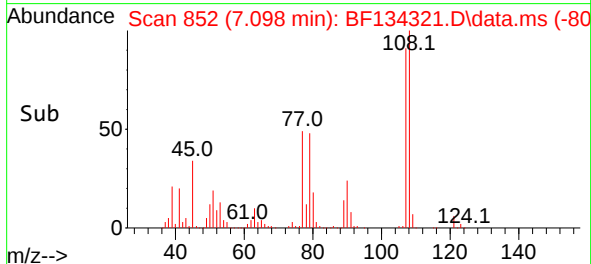
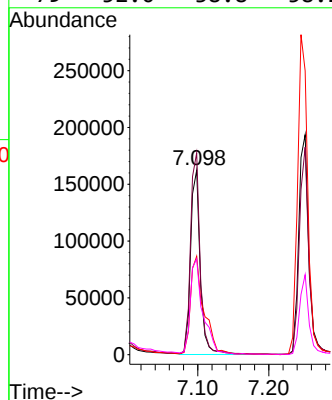
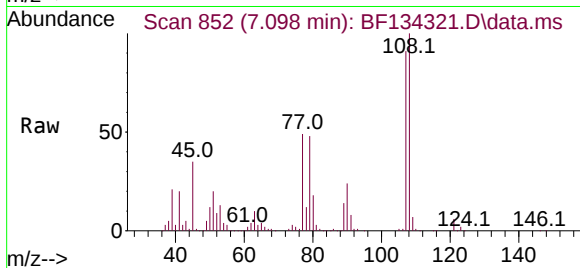




#17
2-Methylphenol
Concen: 41.663 ng
RT: 7.098 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

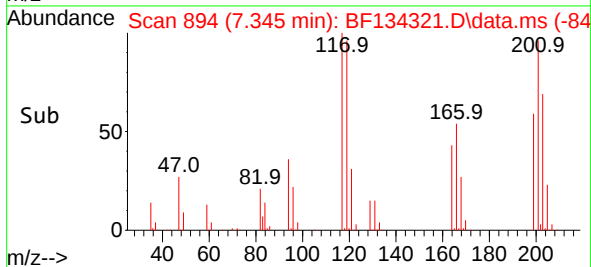
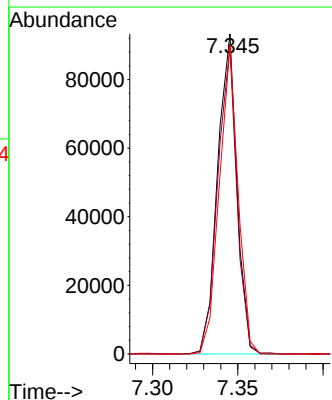
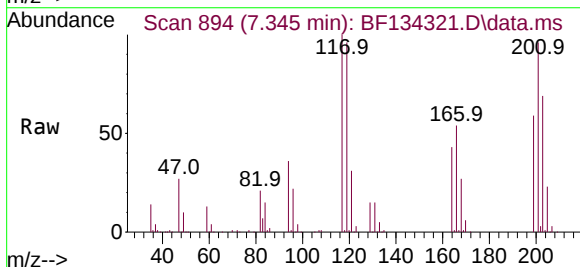
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

Tgt Ion:107 Resp: 154839
Ion Ratio Lower Upper
107 100
108 109.4 90.6 136.0
77 53.4 38.3 57.5
79 52.0 38.8 58.2



#18
Hexachloroethane
Concen: 44.349 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:117 Resp: 73490
Ion Ratio Lower Upper
117 100
119 96.2 74.2 111.4
201 96.4 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 42.216 ng

RT: 7.251 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

Tgt Ion: 70 Resp: 134606

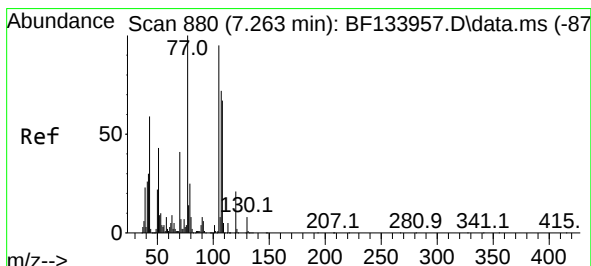
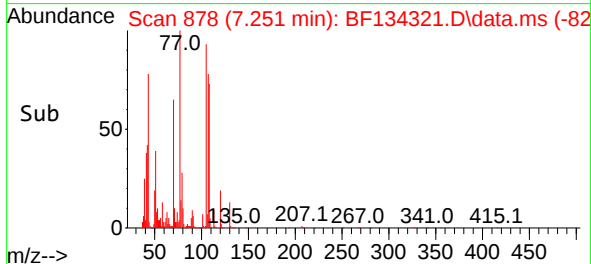
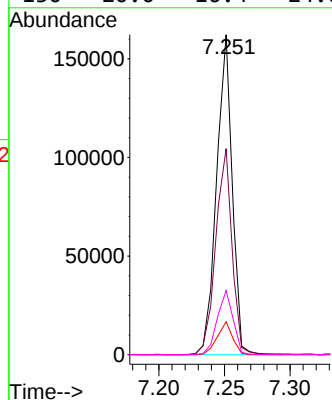
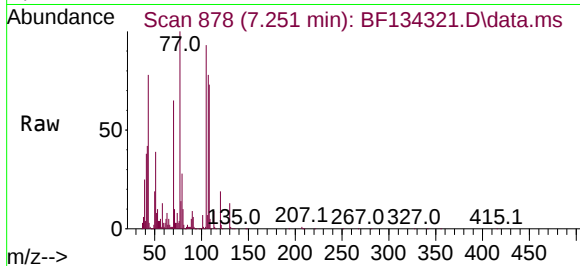
Ion Ratio Lower Upper

70 100

42 64.4 54.7 82.1

101 10.3 7.7 11.5

130 20.0 16.4 24.6



#20

3+4-Methylphenols

Concen: 42.402 ng

RT: 7.251 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Tgt Ion: 107 Resp: 191173

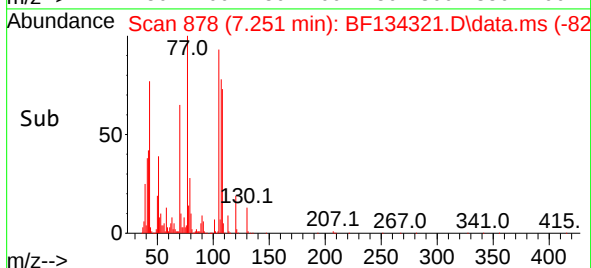
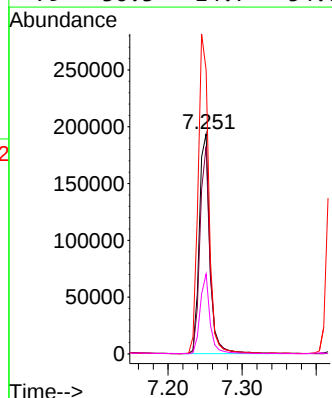
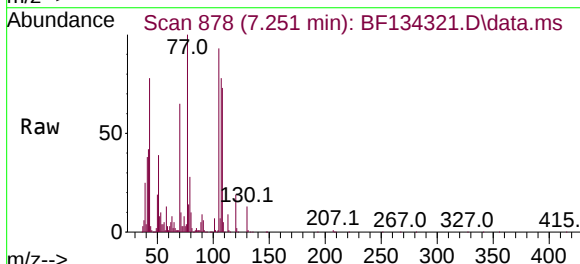
Ion Ratio Lower Upper

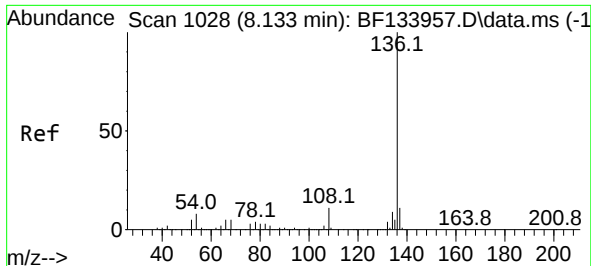
107 100

108 94.3 73.2 113.2

77 129.0 118.3 158.3

79 36.3 14.7 54.7

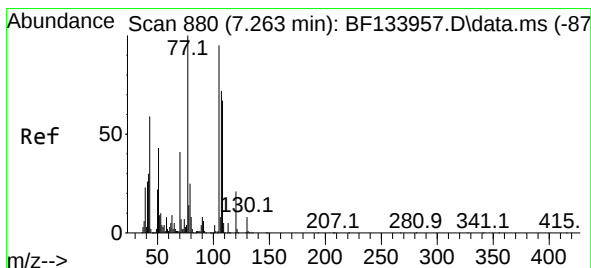
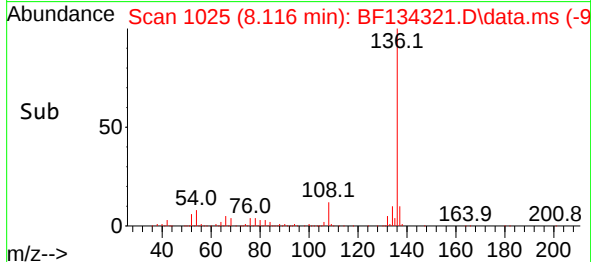
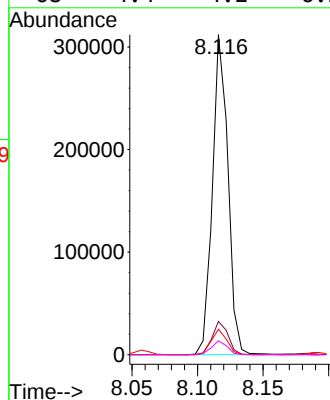
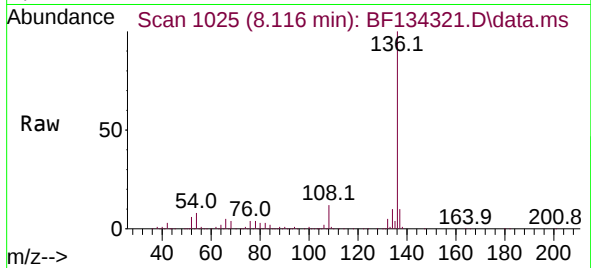




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

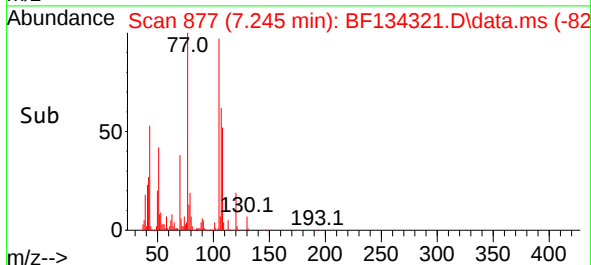
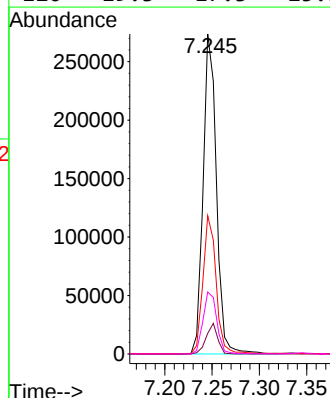
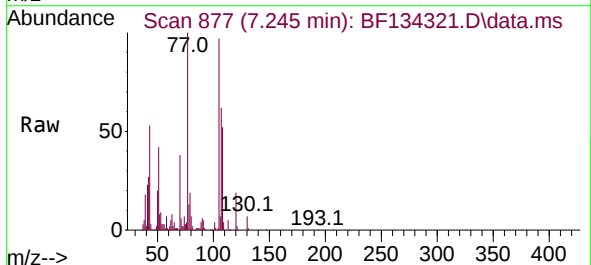
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

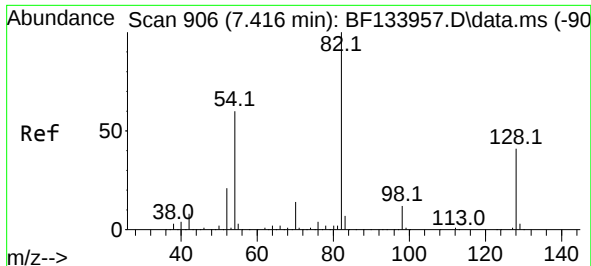
Tgt Ion:136 Resp: 257305
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.9 6.5 9.7
68 4.4 4.2 6.2



#22
Acetophenone
Concen: 45.800 ng
RT: 7.245 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:105 Resp: 268012
Ion Ratio Lower Upper
105 100
71 6.5 5.5 8.3
51 43.2 36.5 54.7
120 19.3 17.3 25.9





#23

Nitrobenzene-d5

Concen: 60.633 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

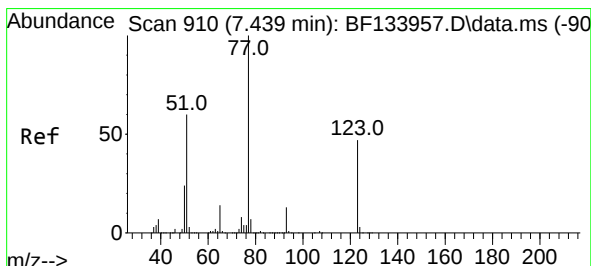
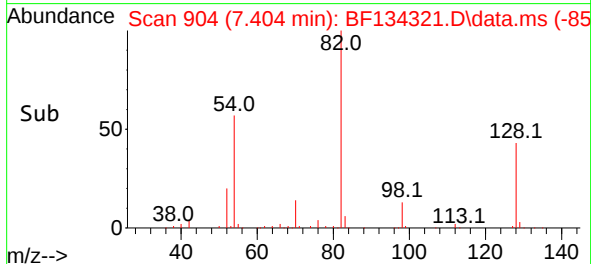
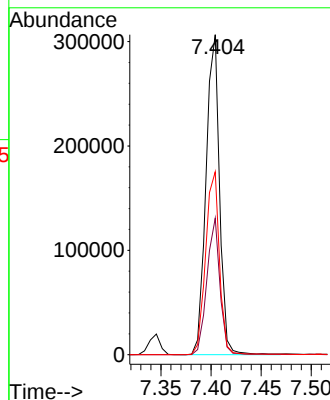
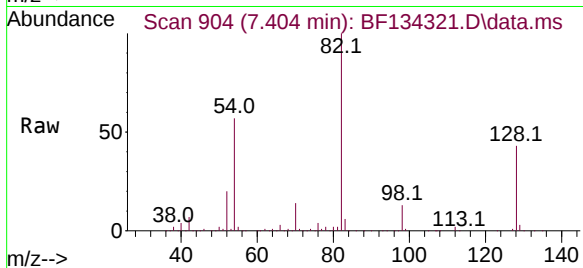
Tgt Ion: 82 Resp: 289417

Ion Ratio Lower Upper

82 100

128 42.6 32.5 48.7

54 57.1 48.2 72.2



#24

Nitrobenzene

Concen: 43.450 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

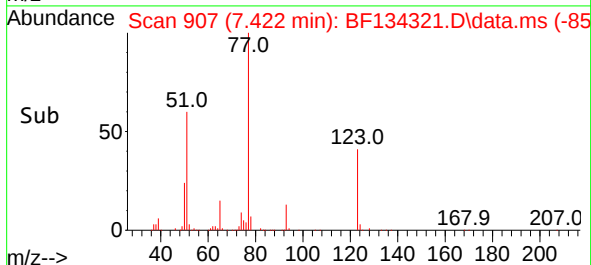
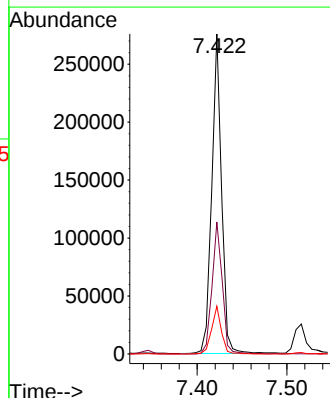
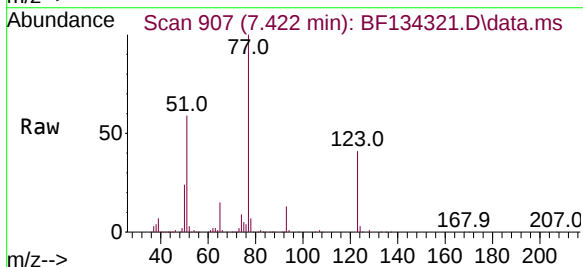
Tgt Ion: 77 Resp: 209581

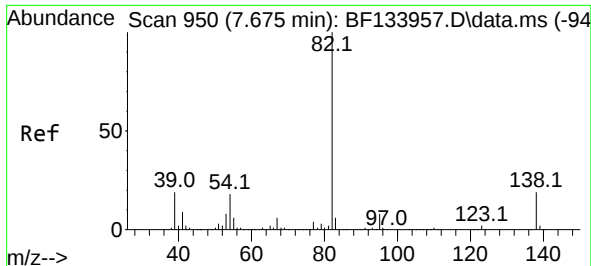
Ion Ratio Lower Upper

77 100

123 41.2 37.8 56.6

65 14.9 11.3 16.9

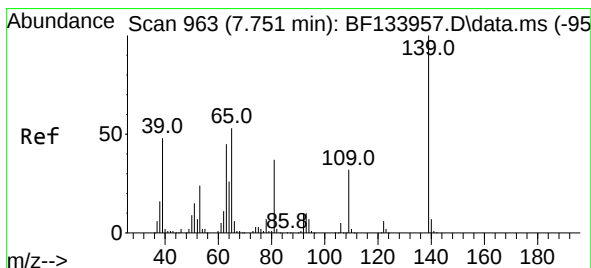
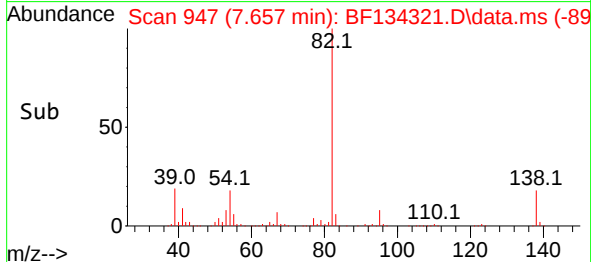
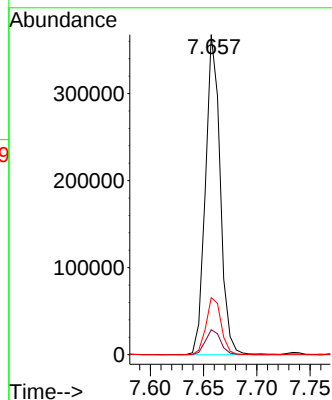
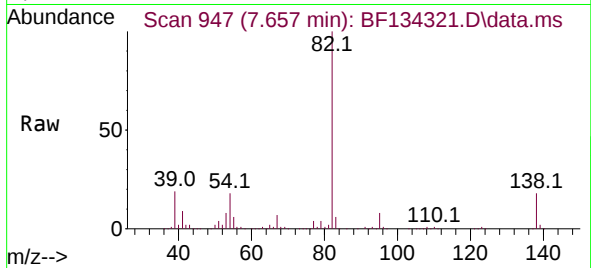




#25
Isophorone
Concen: 40.838 ng
RT: 7.657 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

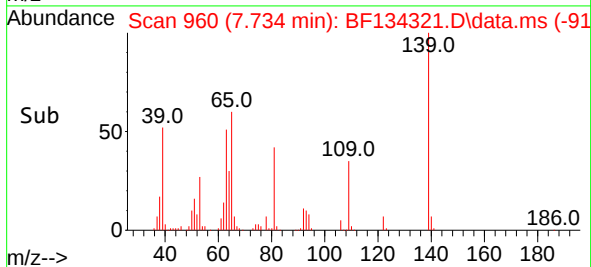
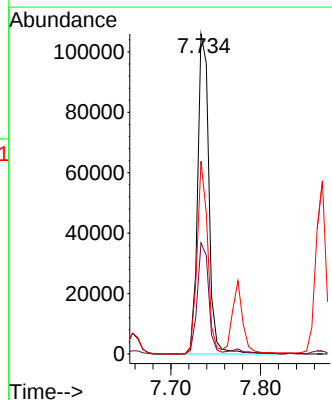
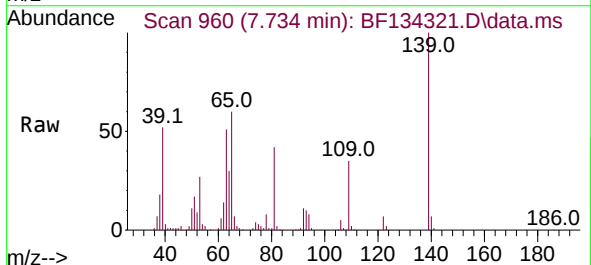
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

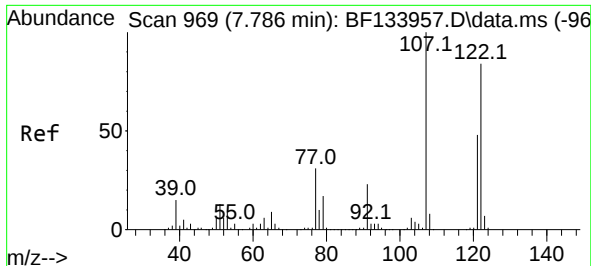
Tgt Ion: 82 Resp: 354275
Ion Ratio Lower Upper
82 100
95 7.8 6.1 9.1
138 17.8 15.2 22.8



#26
2-Nitrophenol
Concen: 39.946 ng
RT: 7.734 min Scan# 960
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:139 Resp: 92431
Ion Ratio Lower Upper
139 100
109 34.7 25.8 38.8
65 60.2 42.4 63.6

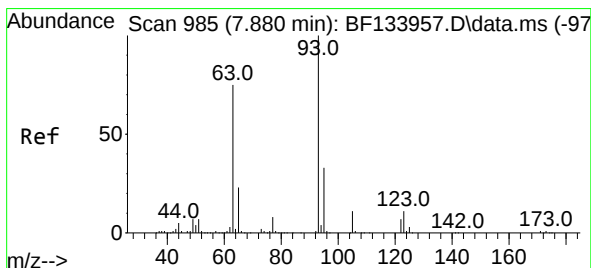
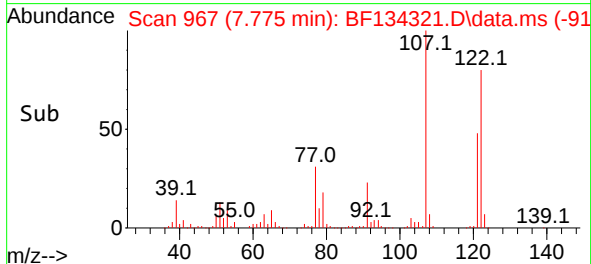
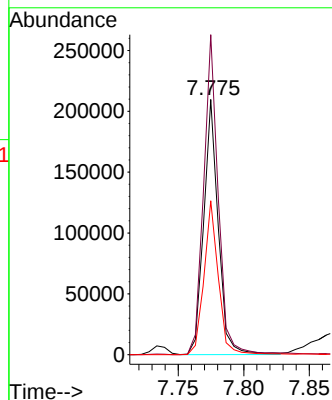
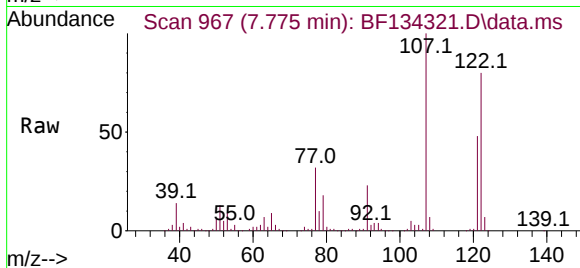




#27
2,4-Dimethylphenol
Concen: 44.448 ng
RT: 7.775 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

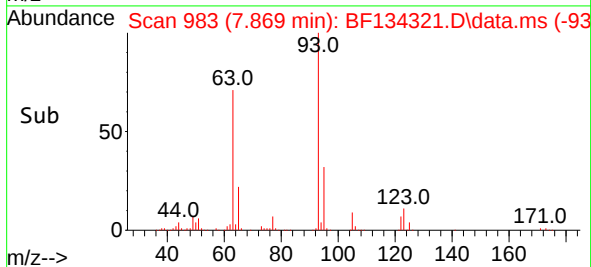
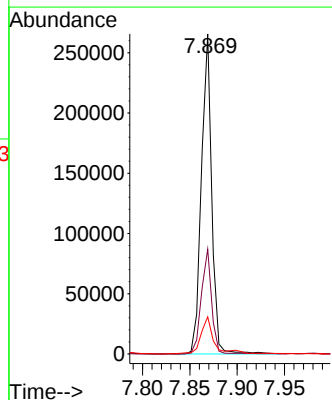
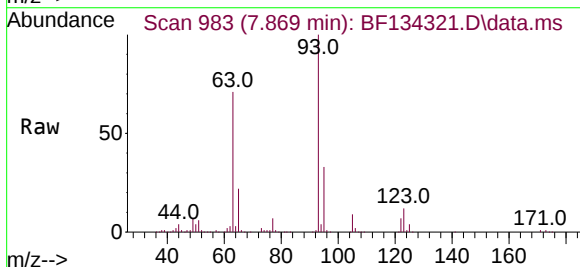
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

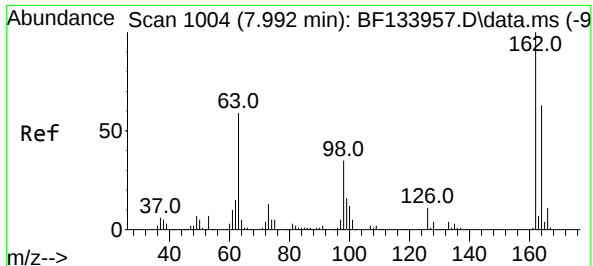
Tgt Ion:122 Resp: 162803
Ion Ratio Lower Upper
122 100
107 125.4 95.5 143.3
121 60.3 45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 40.467 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion: 93 Resp: 203270
Ion Ratio Lower Upper
93 100
95 32.8 26.5 39.7
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 42.469 ng

RT: 7.981 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

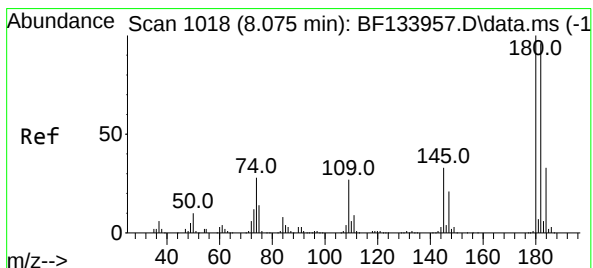
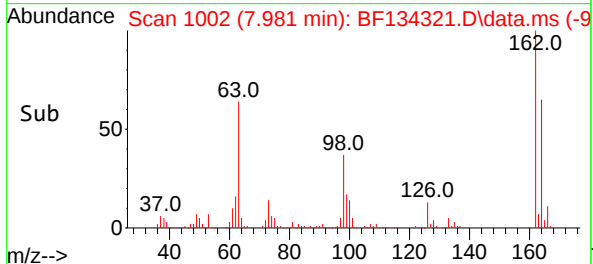
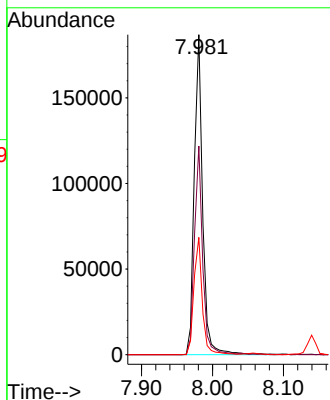
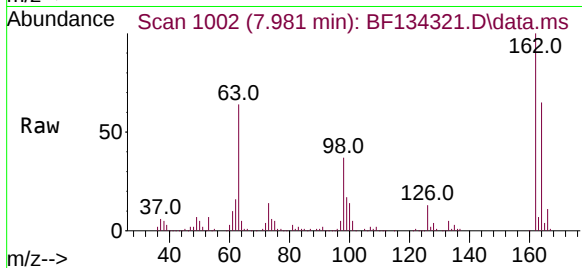
Tgt Ion:162 Resp: 154250

Ion Ratio Lower Upper

162 100

164 65.2 43.2 83.2

98 36.7 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 44.941 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

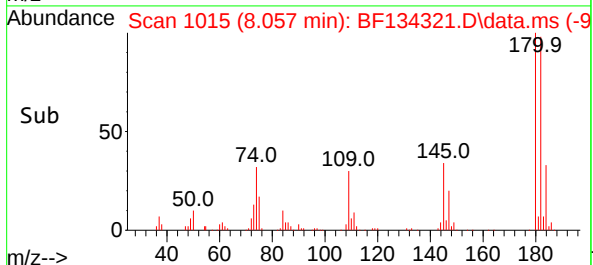
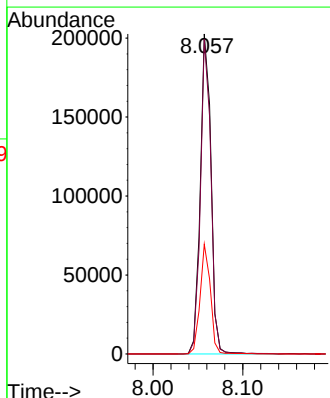
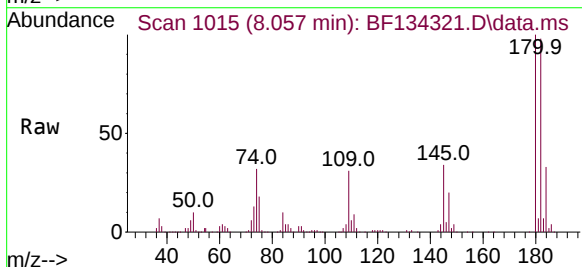
Tgt Ion:180 Resp: 168424

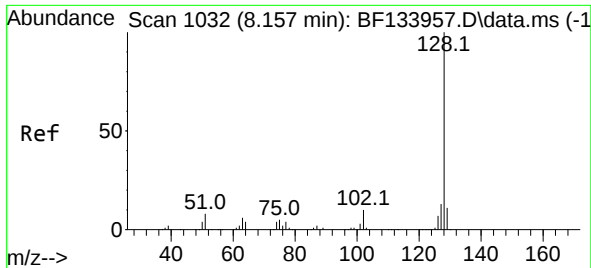
Ion Ratio Lower Upper

180 100

182 98.3 77.1 115.7

145 34.3 26.0 39.0

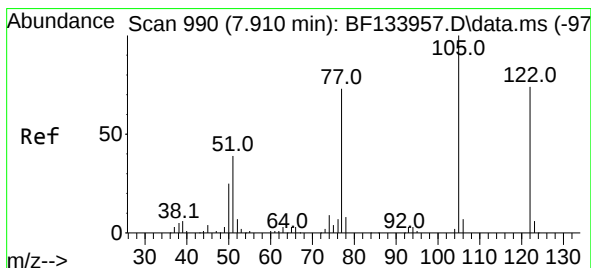
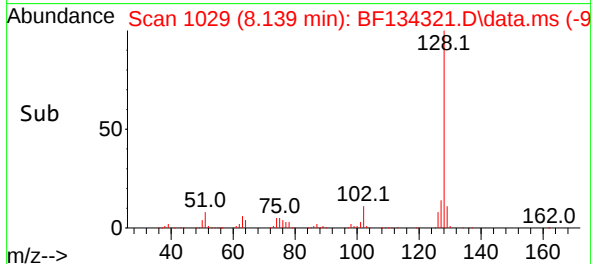
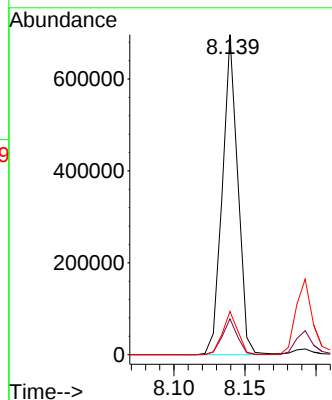
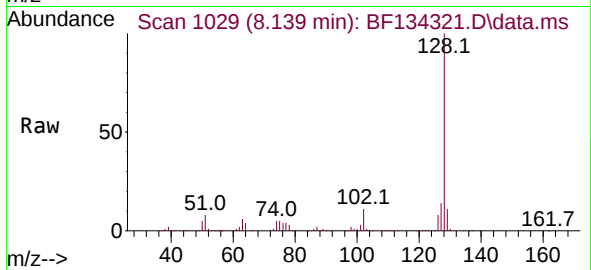




#31
Naphthalene
Concen: 42.271 ng
RT: 8.139 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

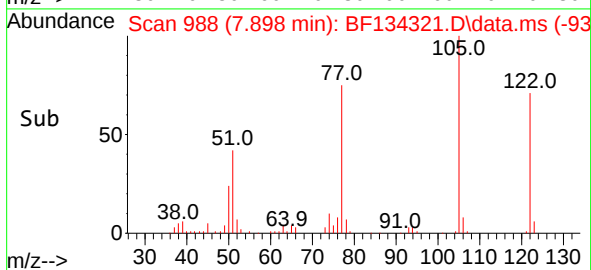
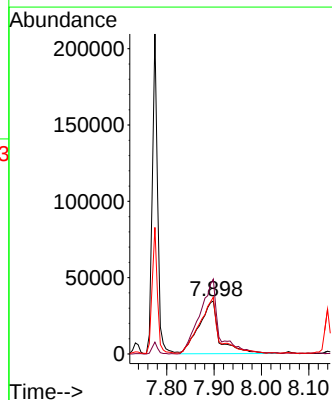
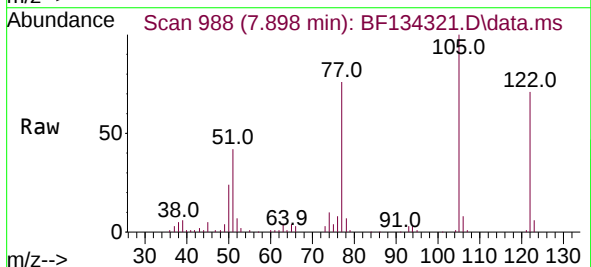
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

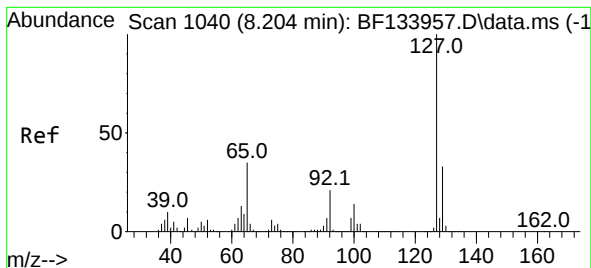
Tgt Ion:128 Resp: 525375
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.5 10.6 15.8



#32
Benzoic acid
Concen: 37.562 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:122 Resp: 103094
Ion Ratio Lower Upper
122 100
105 141.5 109.7 149.7
77 107.4 76.0 116.0





#33

4-Chloroaniline

Concen: 27.173 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

Tgt Ion:127 Resp: 144464

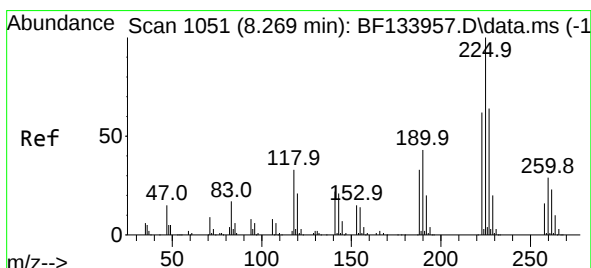
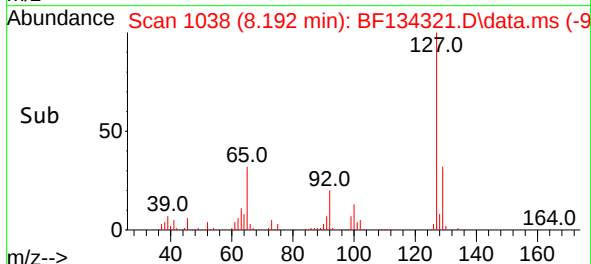
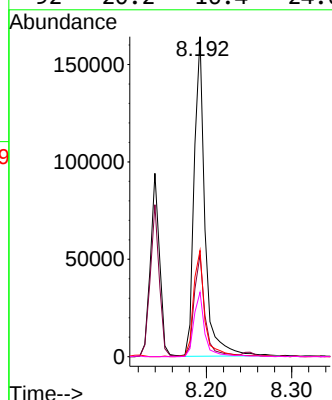
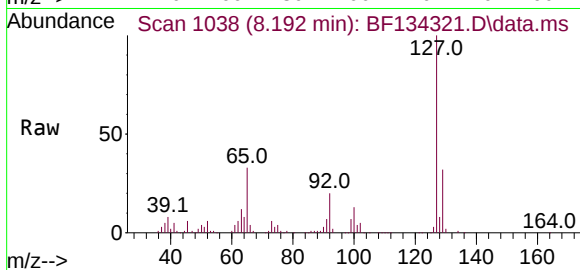
Ion Ratio Lower Upper

127 100

129 31.8 26.4 39.6

65 33.2 27.8 41.8

92 20.2 16.4 24.6



#34

Hexachlorobutadiene

Concen: 45.725 ng

RT: 8.251 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

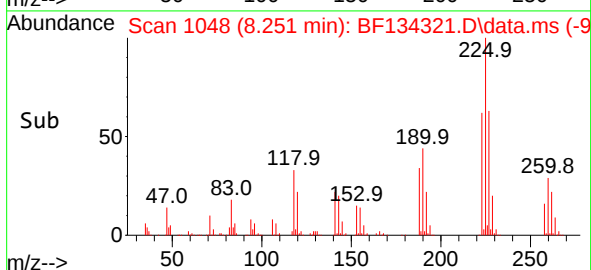
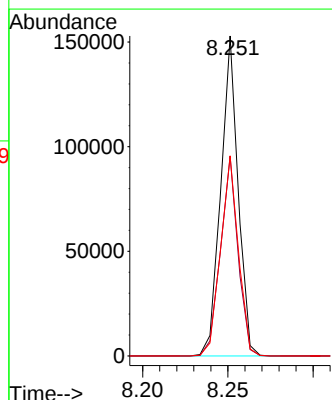
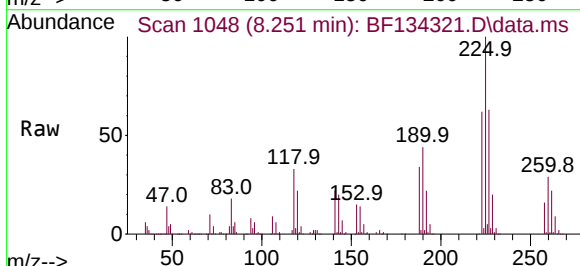
Tgt Ion:225 Resp: 108097

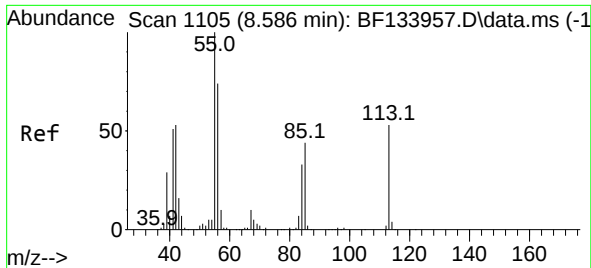
Ion Ratio Lower Upper

225 100

223 62.4 49.8 74.8

227 62.5 51.0 76.4

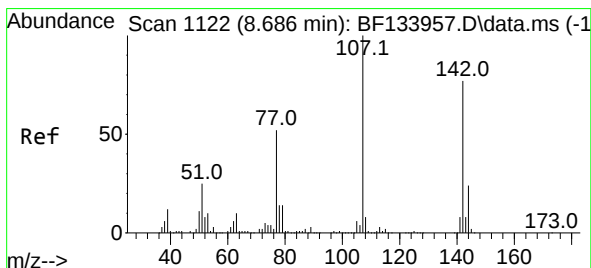
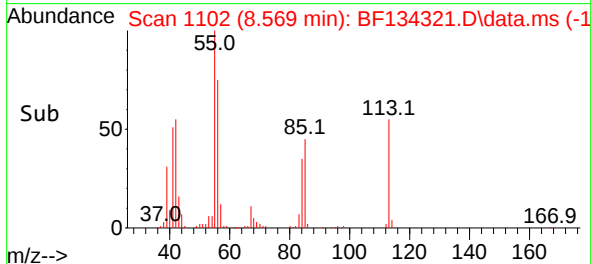
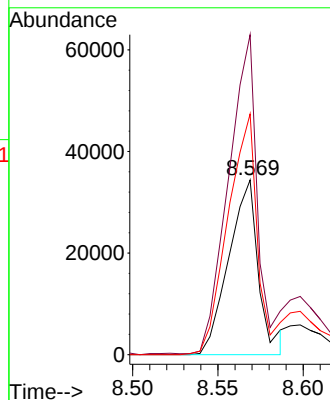
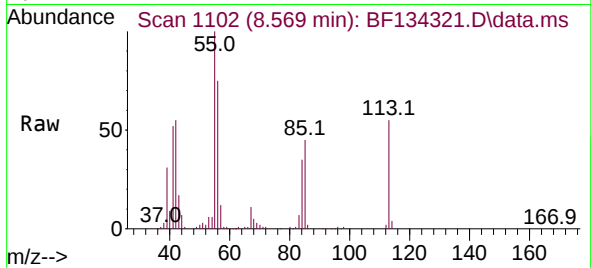




#35
 Caprolactam
 Concen: 34.889 ng
 RT: 8.569 min Scan# 1105
 Delta R.T. -0.006 min
 Lab File: BF134321.D
 Acq: 17 Jul 2023 18:10

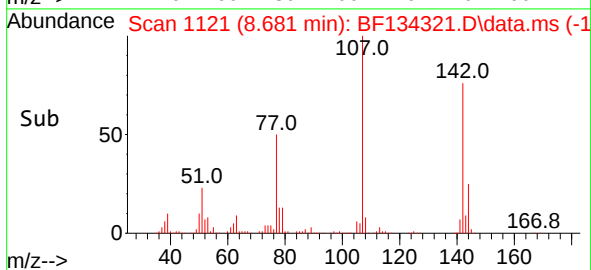
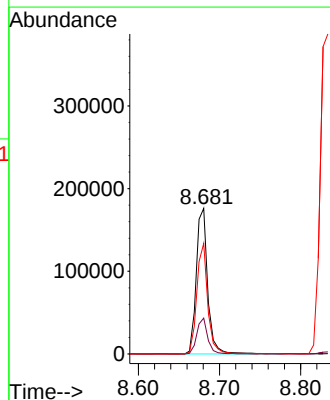
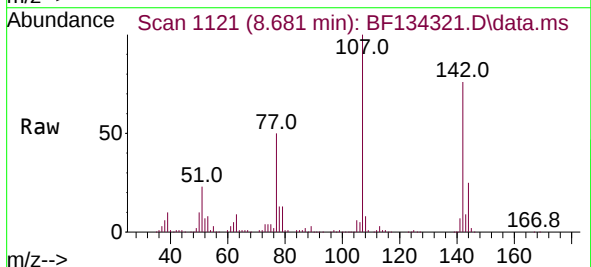
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD

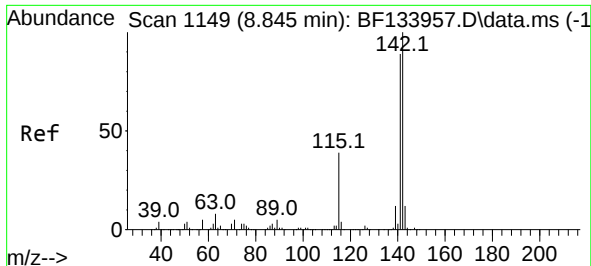
Tgt Ion:113 Resp: 41724
 Ion Ratio Lower Upper
 113 100
 55 183.2 170.2 210.2
 56 137.8 121.4 161.4



#36
 4-Chloro-3-methylphenol
 Concen: 42.495 ng
 RT: 8.681 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF134321.D
 Acq: 17 Jul 2023 18:10

Tgt Ion:107 Resp: 173388
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.6 29.4
 142 76.0 61.4 92.2





#37

2-Methylnaphthalene

Concen: 39.330 ng

RT: 8.834 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

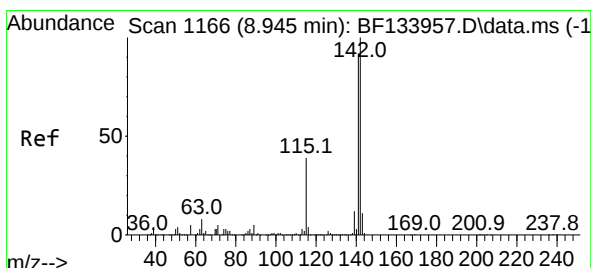
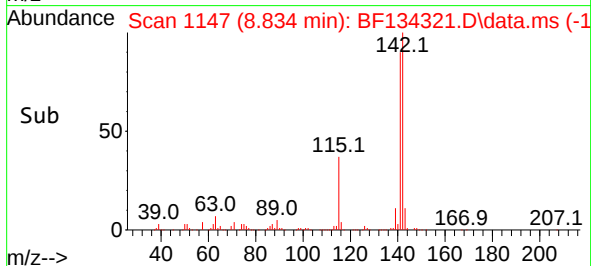
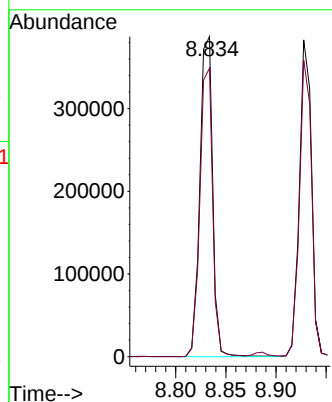
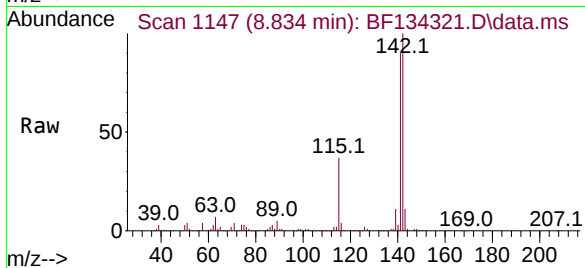
VNJ-210MSD

Tgt Ion:142 Resp: 345671

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.4



#38

1-Methylnaphthalene

Concen: 39.276 ng

RT: 8.928 min Scan# 1163

Delta R.T. -0.012 min

Lab File: BF134321.D

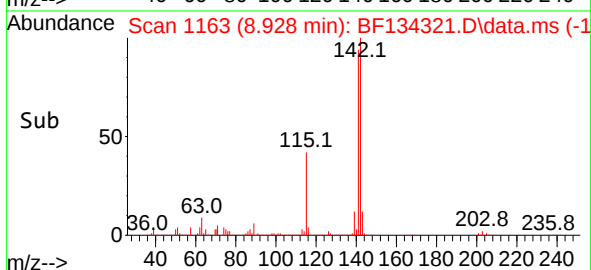
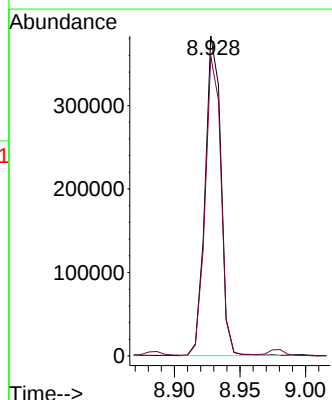
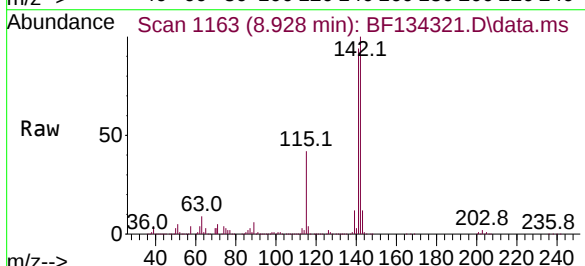
Acq: 17 Jul 2023 18:10

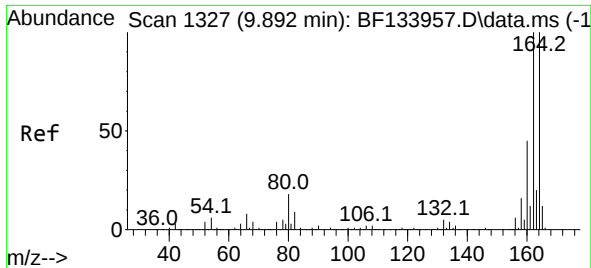
Tgt Ion:142 Resp: 320907

Ion Ratio Lower Upper

142 100

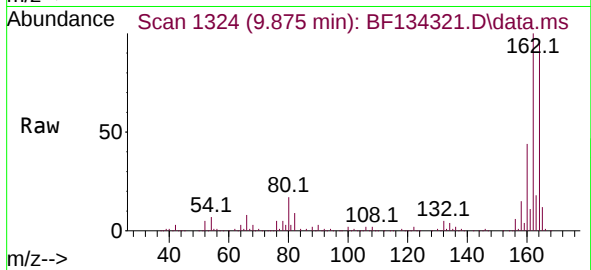
141 93.6 73.5 110.3



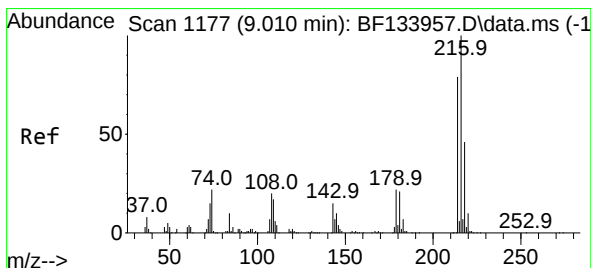
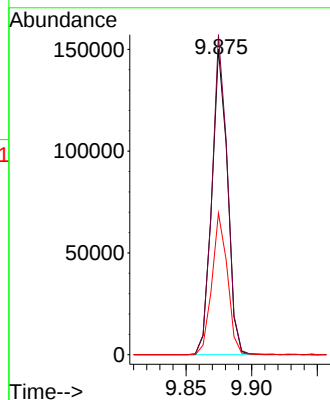
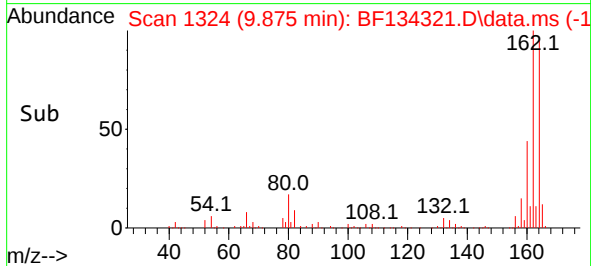


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

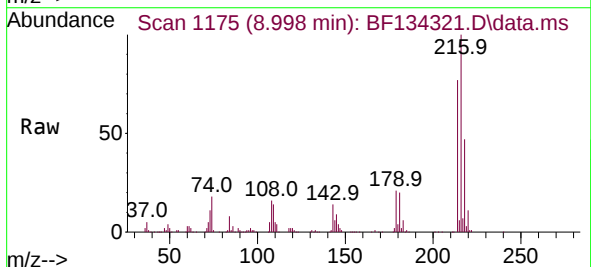
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



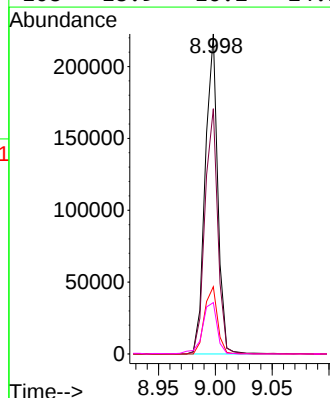
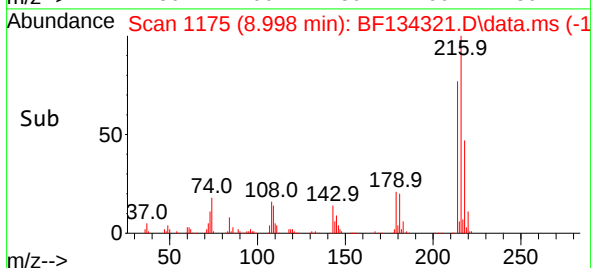
Tgt Ion:164 Resp: 124138
Ion Ratio Lower Upper
164 100
162 104.7 80.0 120.0
160 46.4 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.099 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10



Tgt Ion:216 Resp: 169542
Ion Ratio Lower Upper
216 100
214 78.6 64.1 96.1
179 21.8 17.3 25.9
108 18.9 16.2 24.2

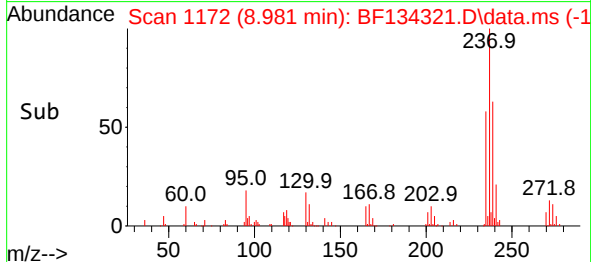
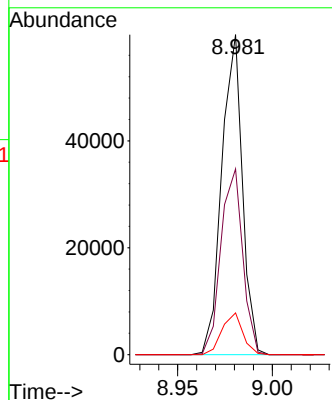
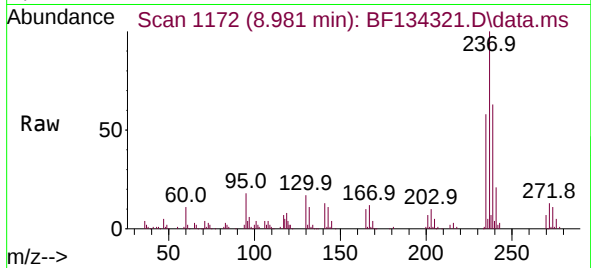




#41
Hexachlorocyclopentadiene
Concen: 25.998 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

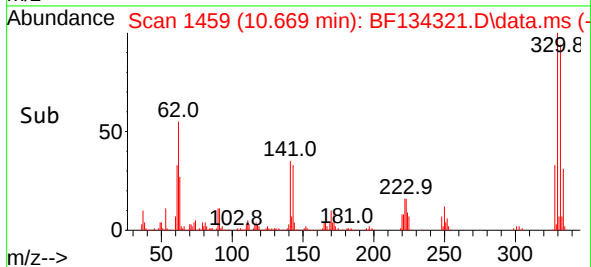
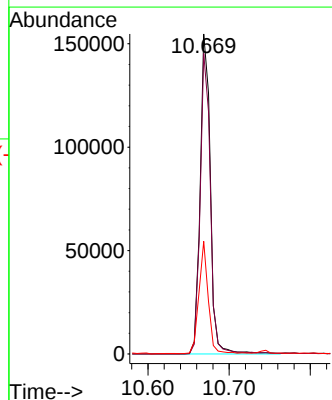
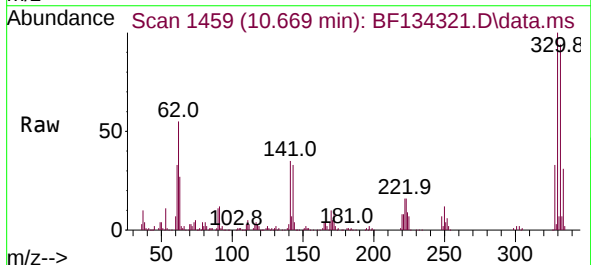
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

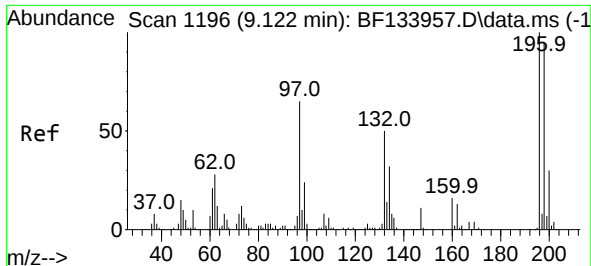
Tgt Ion:237 Resp: 45361
Ion Ratio Lower Upper
237 100
235 58.1 42.8 82.8
272 13.1 0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 87.228 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:330 Resp: 135766
Ion Ratio Lower Upper
330 100
332 94.0 77.0 115.6
141 32.2 26.3 39.5

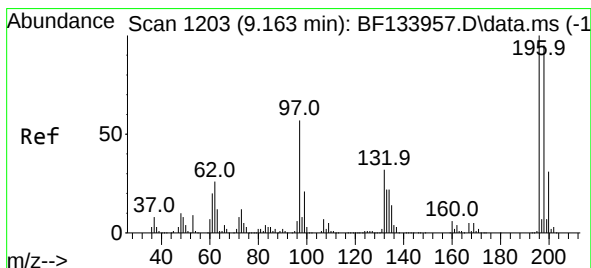
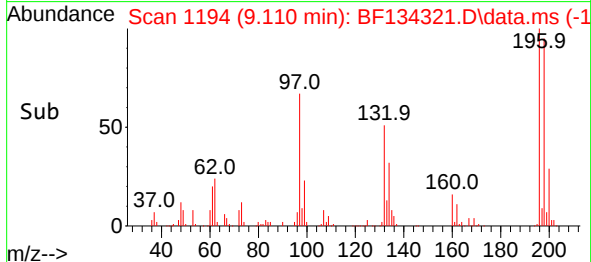
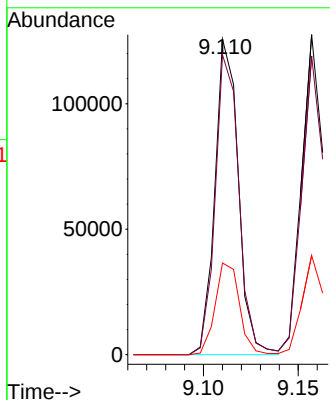
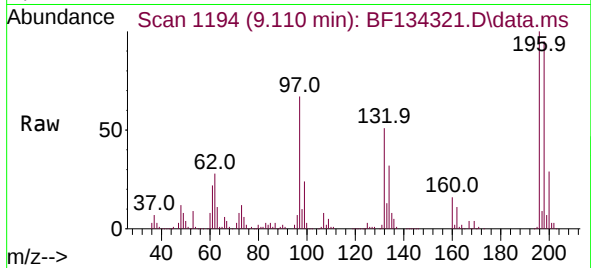




#43
2,4,6-Trichlorophenol
Concen: 43.244 ng
RT: 9.110 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

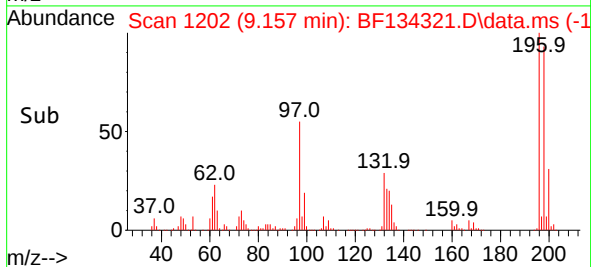
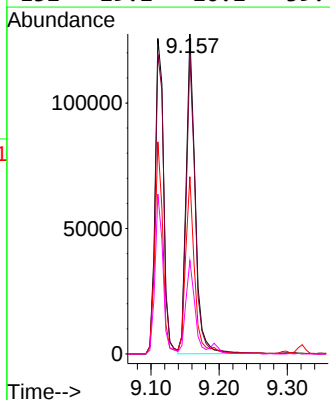
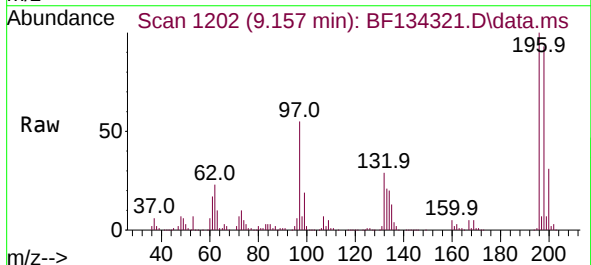
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

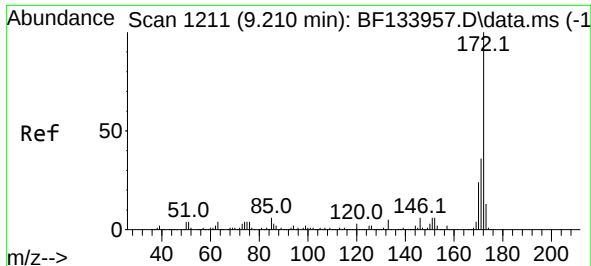
Tgt Ion:196 Resp: 108267
Ion Ratio Lower Upper
196 100
198 95.0 75.6 113.4
200 29.0 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 39.644 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:196 Resp: 116751
Ion Ratio Lower Upper
196 100
198 93.3 75.7 113.5
97 55.4 45.8 68.6
132 29.2 26.2 39.4

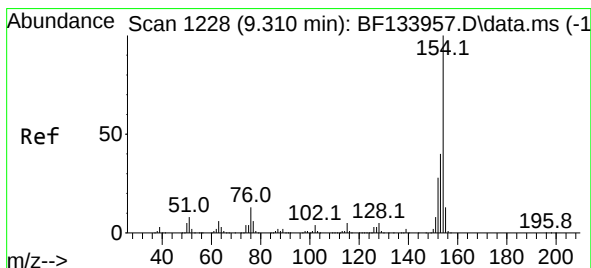
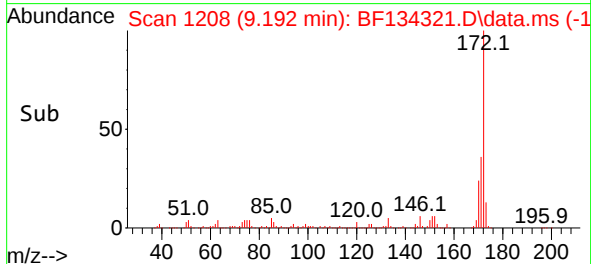
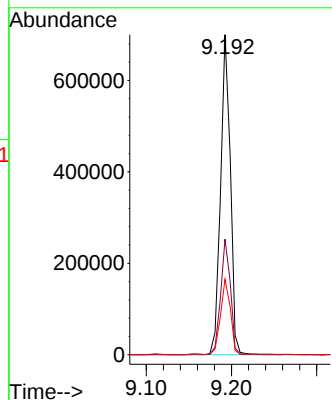
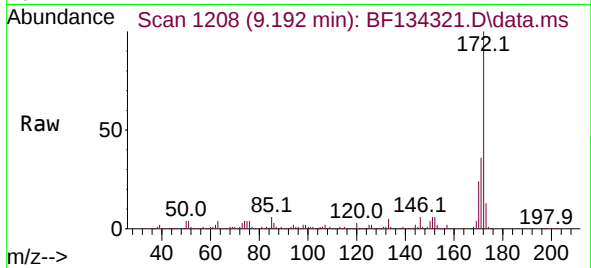




#45
2-Fluorobiphenyl
Concen: 65.001 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

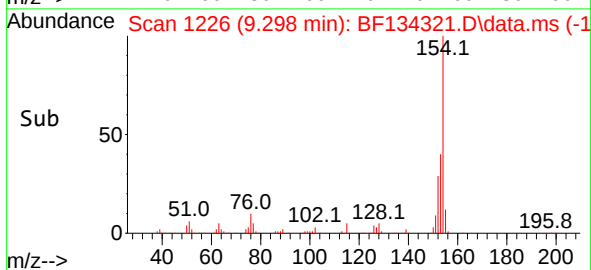
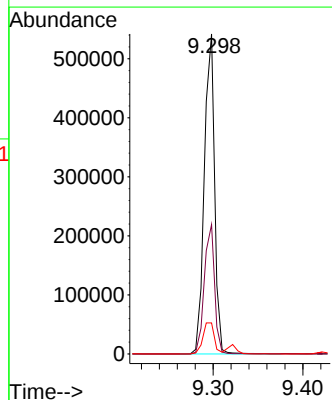
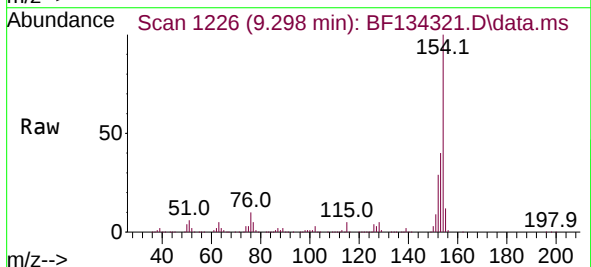
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BNA_F
ClientSampleId :
VNJ-210MSD

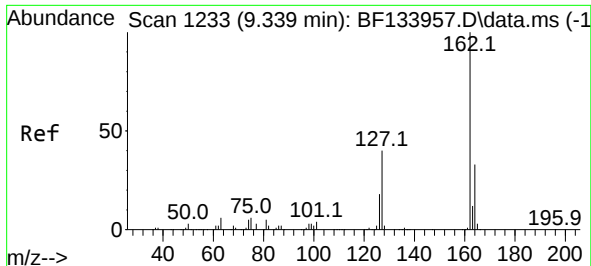
Tgt Ion:172 Resp: 554995
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.6 19.4 29.0



#46
1,1'-Biphenyl
Concen: 43.364 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:154 Resp: 431818
Ion Ratio Lower Upper
154 100
153 40.5 19.8 59.8
76 9.7 0.0 32.9





#47

2-Chloronaphthalene

Concen: 44.407 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

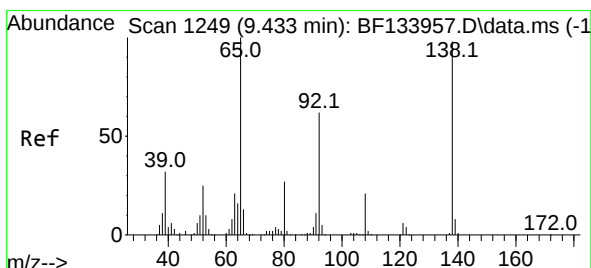
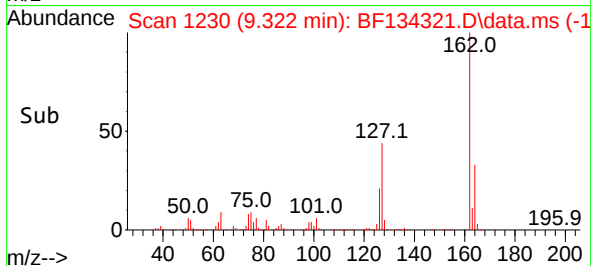
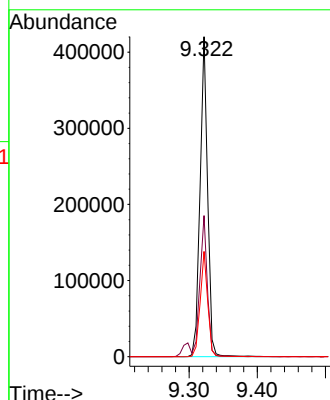
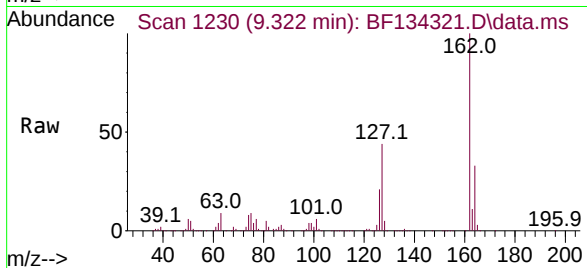
Tgt Ion:162 Resp: 323544

Ion Ratio Lower Upper

162 100

127 44.1 32.9 49.3

164 32.9 26.1 39.1



#48

2-Nitroaniline

Concen: 42.950 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

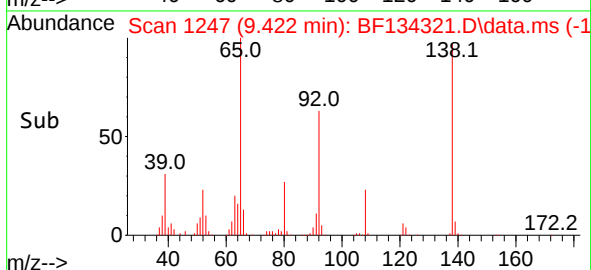
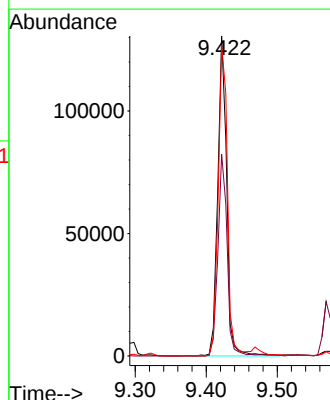
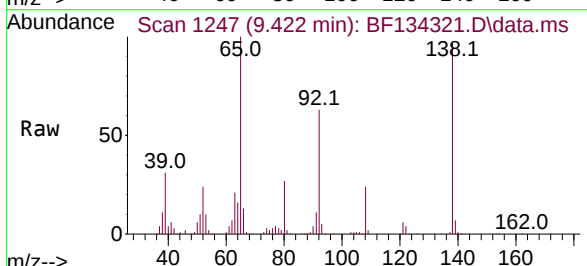
Tgt Ion: 65 Resp: 114046

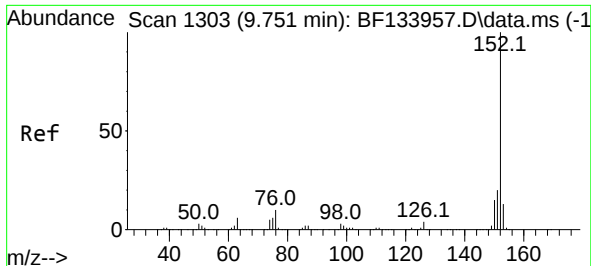
Ion Ratio Lower Upper

65 100

92 63.0 49.5 74.3

138 97.2 78.0 117.0





#49

Acenaphthylene

Concen: 41.892 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

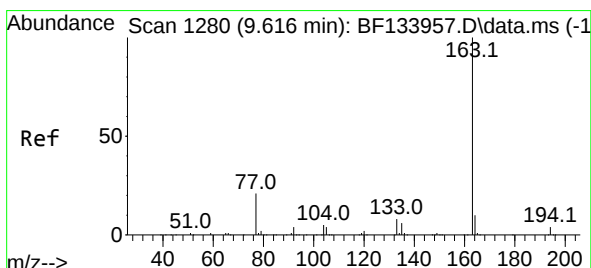
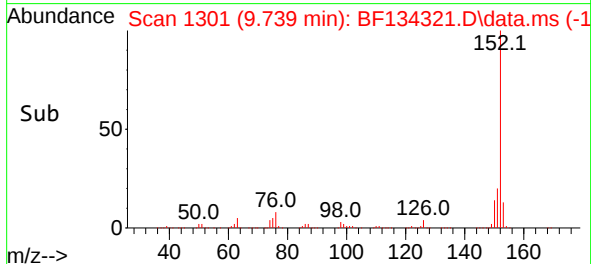
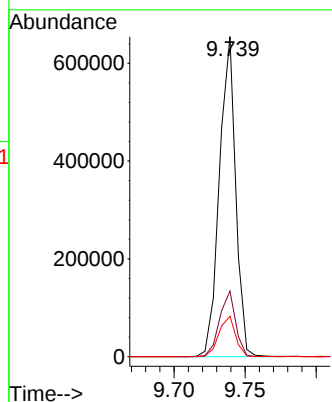
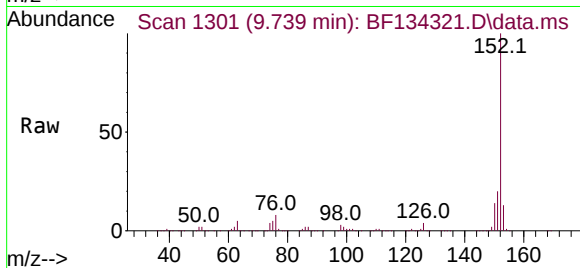
Tgt Ion:152 Resp: 521388

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 12.7 10.8 16.2



#50

Dimethylphthalate

Concen: 43.010 ng

RT: 9.598 min Scan# 1277

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

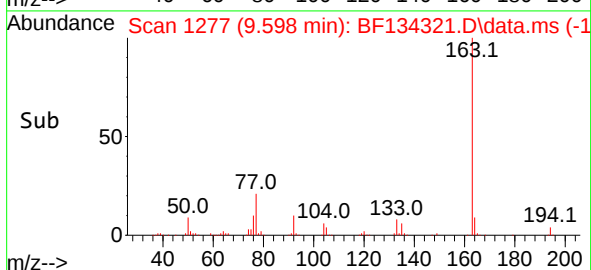
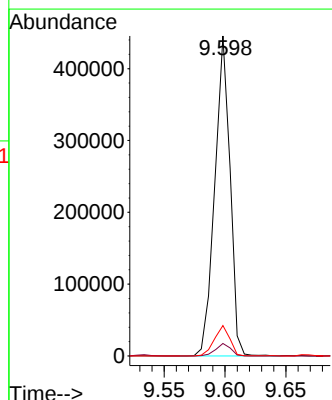
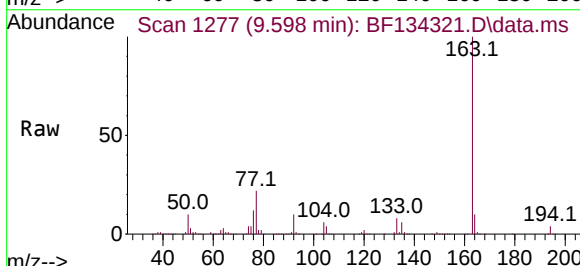
Tgt Ion:163 Resp: 387571

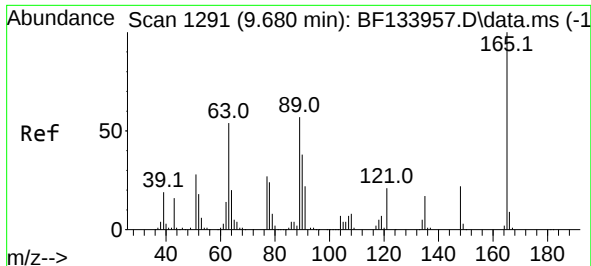
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.5 8.2 12.2

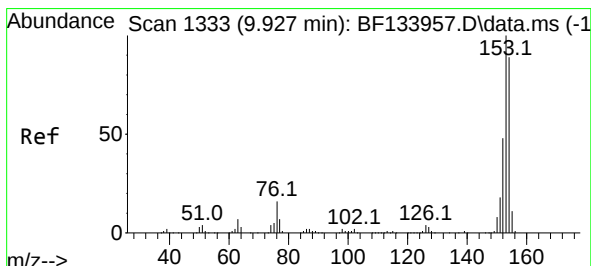
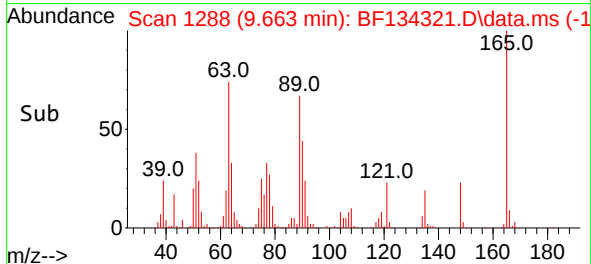
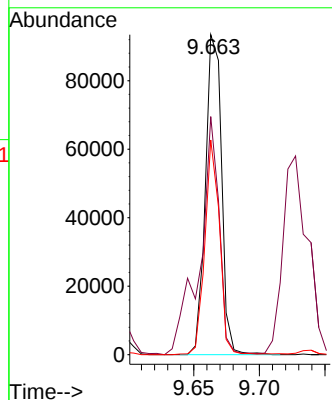
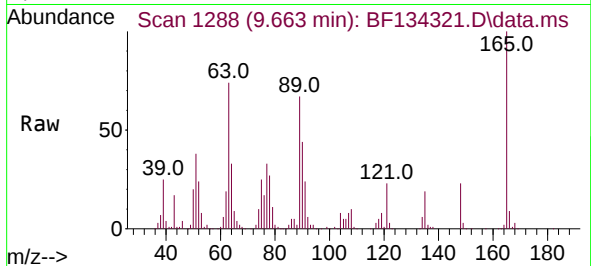




#51
2,6-Dinitrotoluene
Concen: 41.353 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

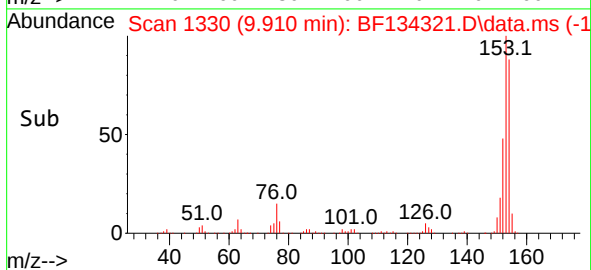
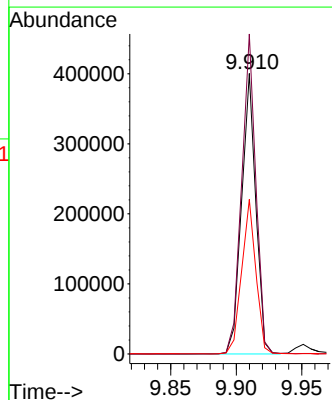
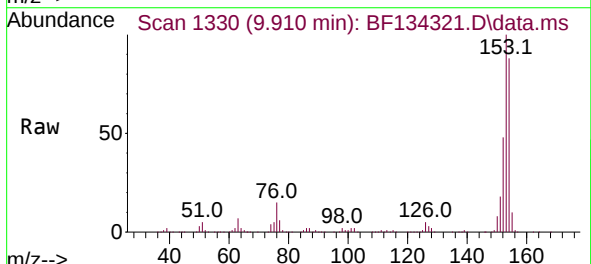
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

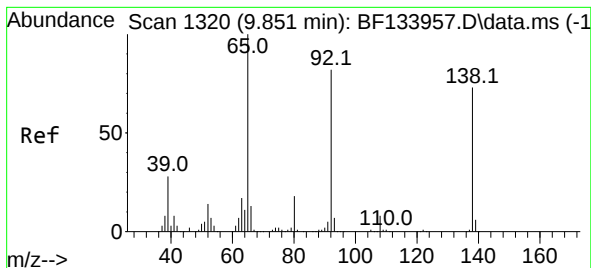
Tgt Ion:165 Resp: 80261
Ion Ratio Lower Upper
165 100
63 74.4 48.5 72.7#
89 67.1 45.5 68.3



#52
Acenaphthene
Concen: 42.070 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:154 Resp: 303822
Ion Ratio Lower Upper
154 100
153 114.1 89.4 134.2
152 55.1 42.8 64.2





#53

3-Nitroaniline

Concen: 38.012 ng

RT: 9.839 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

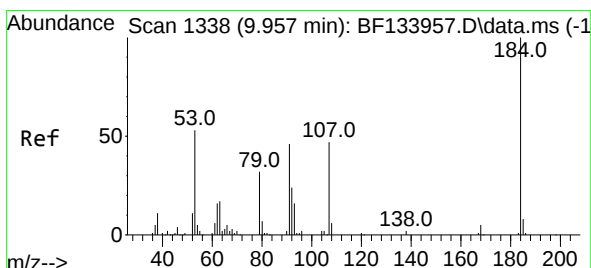
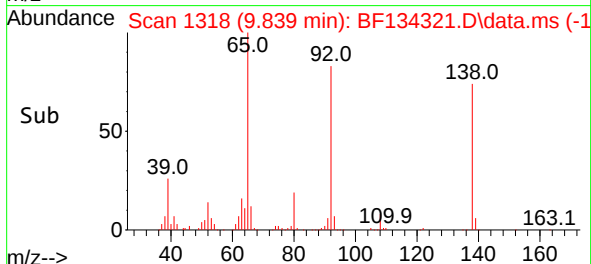
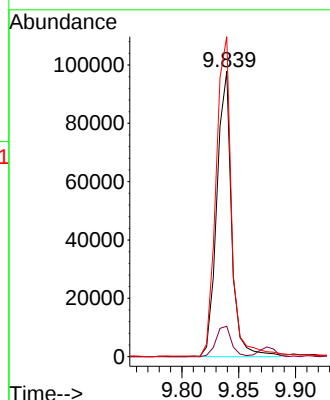
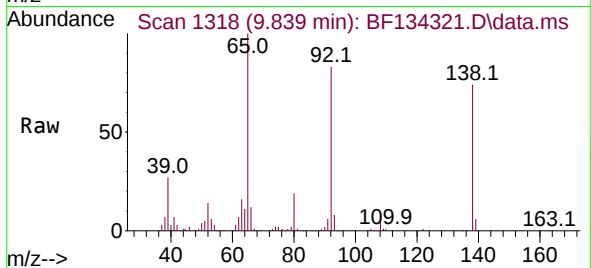
Tgt Ion:138 Resp: 88508

Ion Ratio Lower Upper

138 100

108 10.7 8.4 12.6

92 112.2 90.1 135.1



#54

2,4-Dinitrophenol

Concen: 20.062 ng

RT: 9.951 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

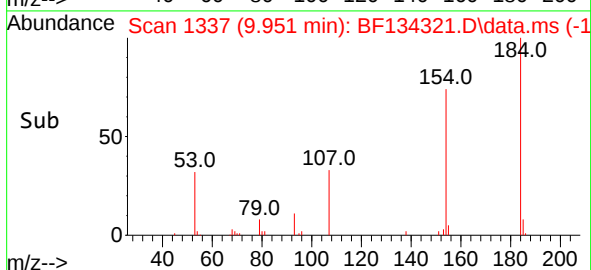
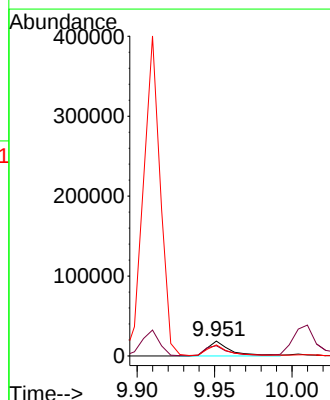
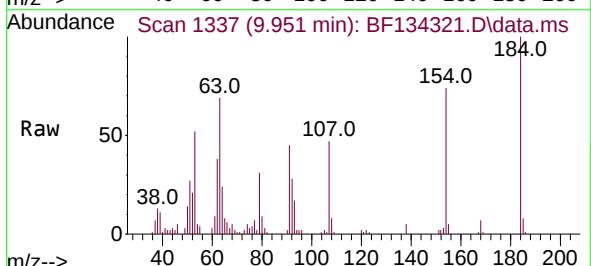
Tgt Ion:184 Resp: 19077

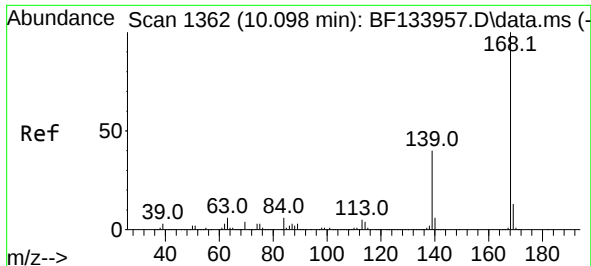
Ion Ratio Lower Upper

184 100

63 69.1 56.9 85.3

154 73.5 55.4 83.0

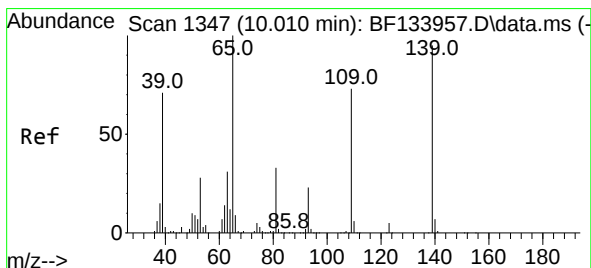
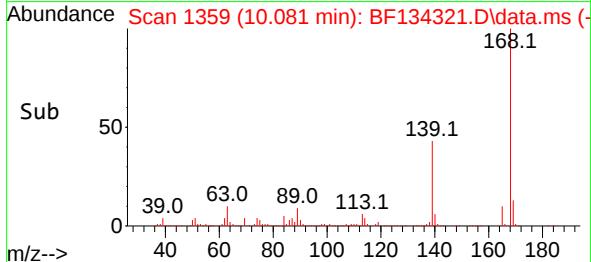
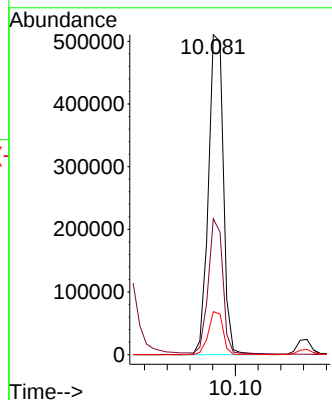
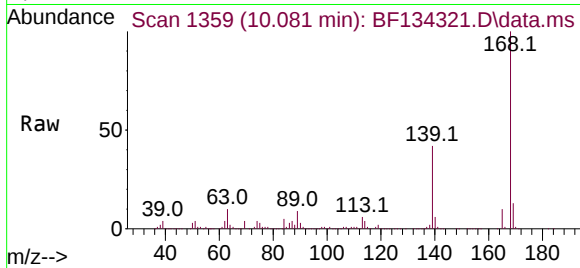




#55
Dibenzenofuran
Concen: 41.278 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

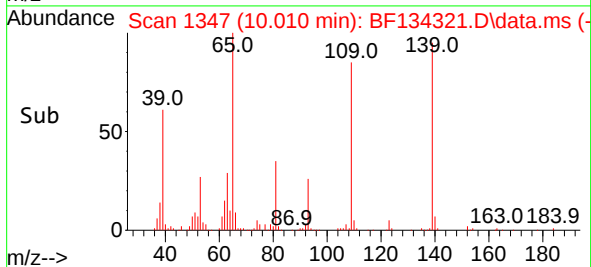
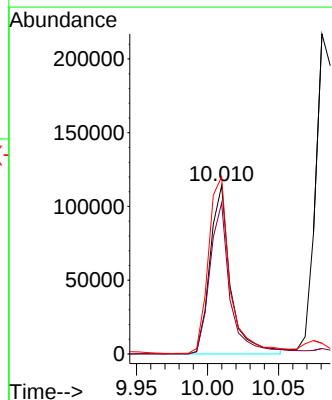
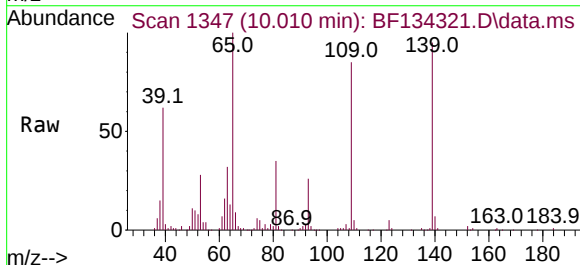
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

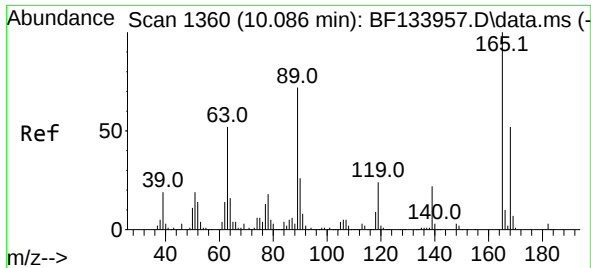
Tgt Ion:168 Resp: 465886
Ion Ratio Lower Upper
168 100
139 42.5 32.0 48.0
169 13.4 10.6 16.0



#56
4-Nitrophenol
Concen: 70.389 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:139 Resp: 114641
Ion Ratio Lower Upper
139 100
109 89.7 56.8 96.8
65 105.3 86.1 126.1

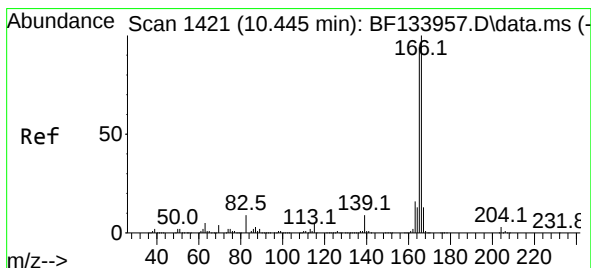
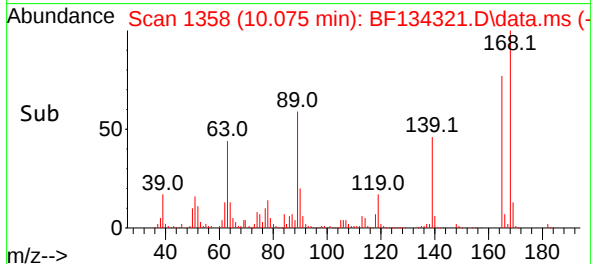
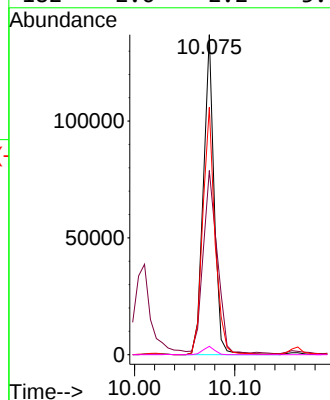
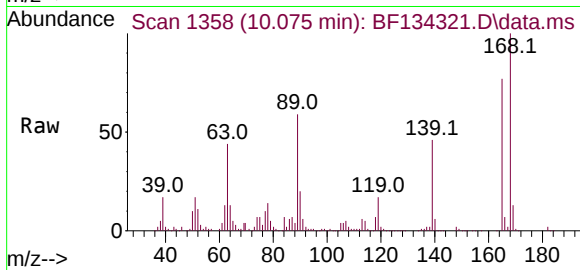




#57
2,4-Dinitrotoluene
Concen: 40.093 ng
RT: 10.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

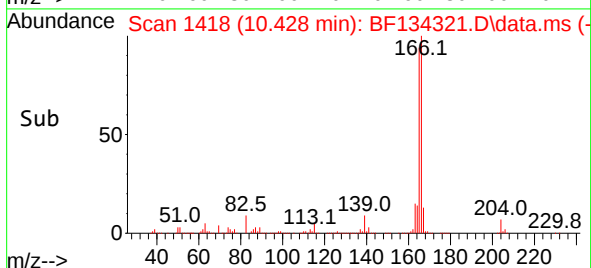
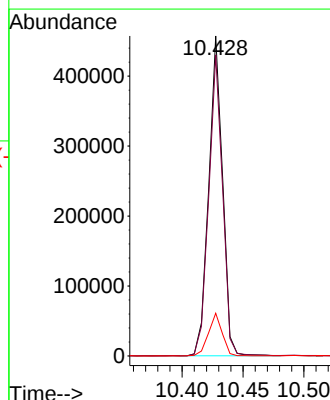
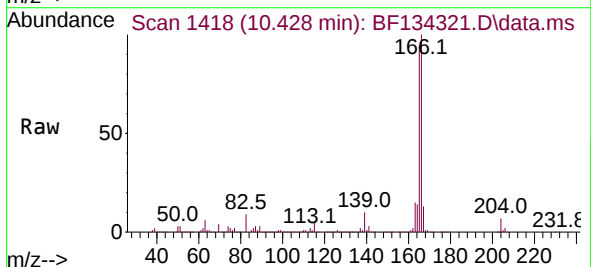
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

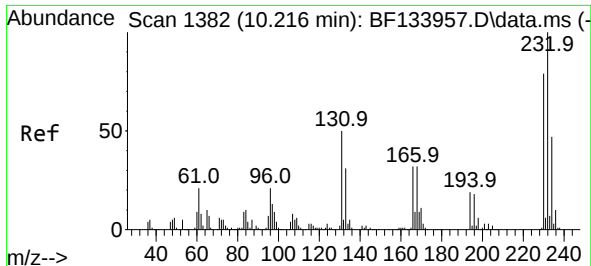
Tgt Ion:165 Resp: 102764
Ion Ratio Lower Upper
165 100
63 57.5 42.2 63.2
89 77.3 57.4 86.2
182 2.6 2.2 3.4



#58
Fluorene
Concen: 41.196 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:166 Resp: 361739
Ion Ratio Lower Upper
166 100
165 94.1 75.0 112.4
167 13.4 10.6 15.8

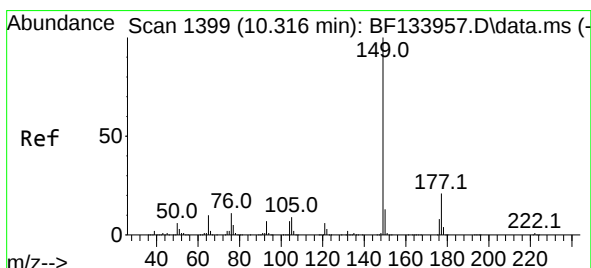
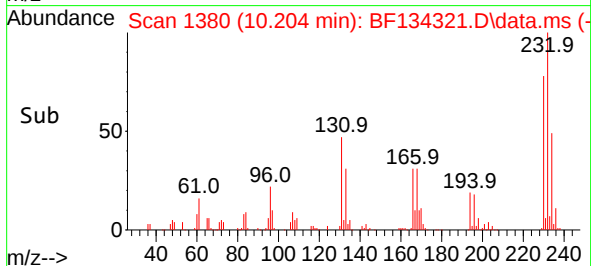
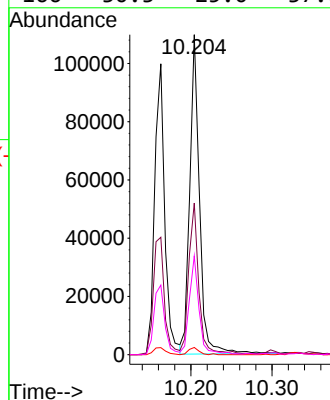
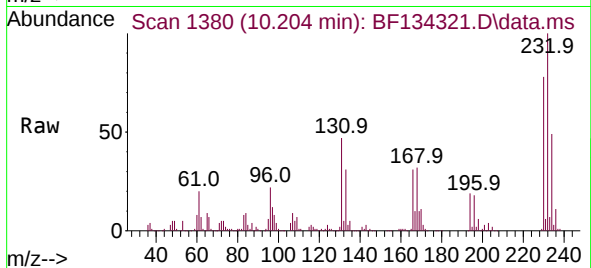




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.383 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

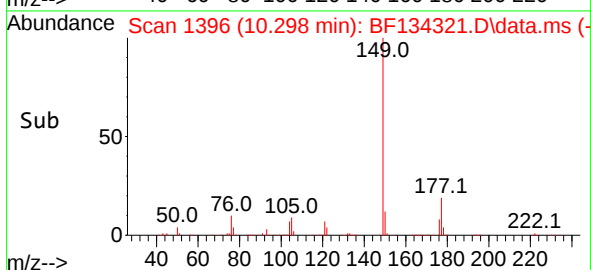
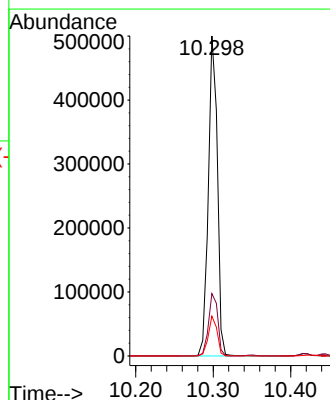
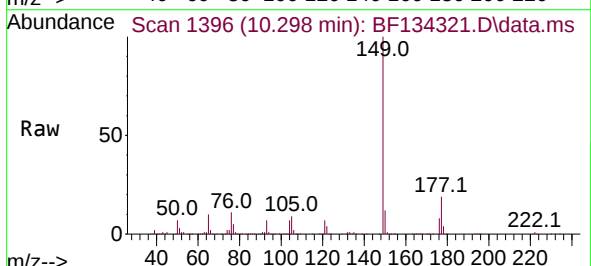
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

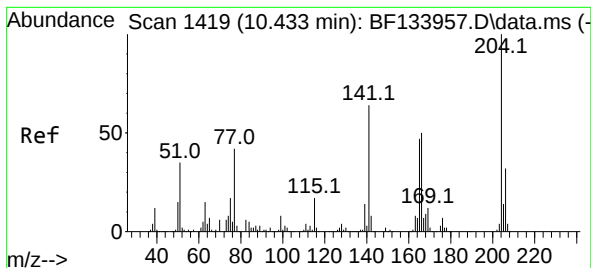
Tgt Ion:232 Resp: 91487
Ion Ratio Lower Upper
232 100
131 48.0 39.3 58.9
130 2.5 1.8 2.6
166 30.3 25.0 37.6



#60
Diethylphthalate
Concen: 43.067 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:149 Resp: 404321
Ion Ratio Lower Upper
149 100
177 19.5 17.0 25.6
150 12.4 10.2 15.2

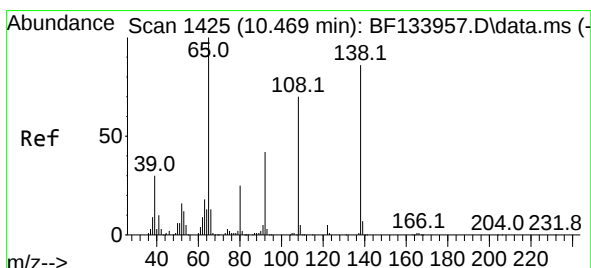
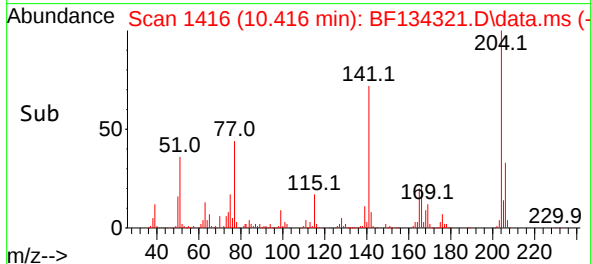
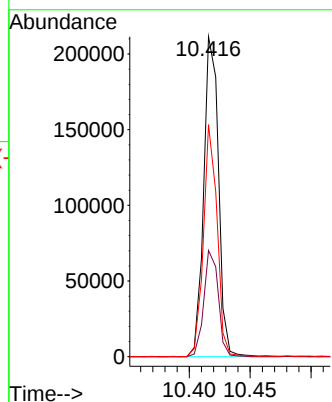
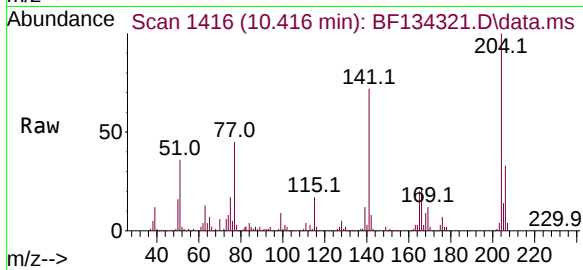




#61
4-Chlorophenyl-phenylether
Concen: 42.359 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

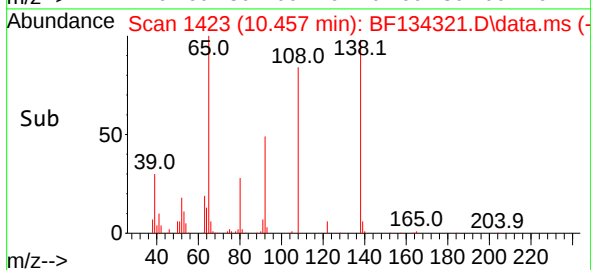
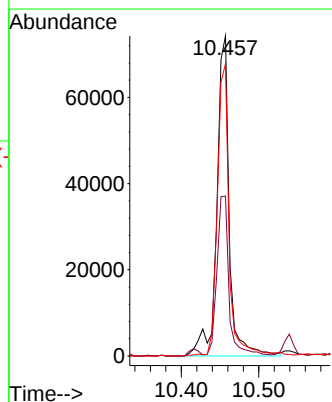
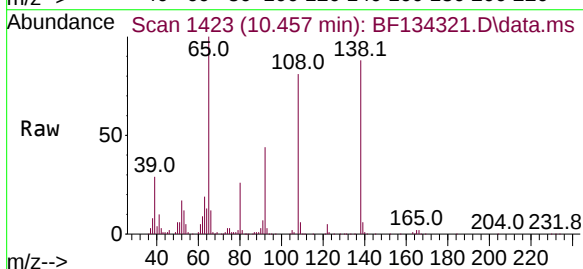
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

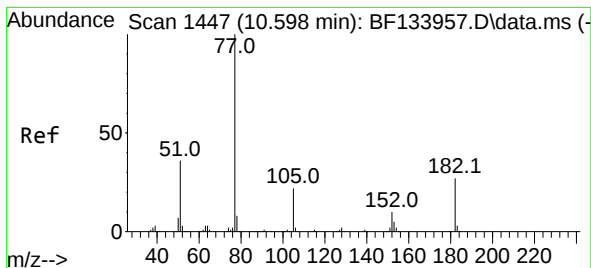
Tgt Ion:204 Resp: 179249
Ion Ratio Lower Upper
204 100
206 33.2 25.8 38.6
141 72.5 51.5 77.3



#62
4-Nitroaniline
Concen: 35.414 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:138 Resp: 83100
Ion Ratio Lower Upper
138 100
92 49.9 29.7 69.7
108 91.3 62.1 102.1





#63

Azobenzene

Concen: 39.163 ng

RT: 10.580 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

Tgt Ion: 77 Resp: 347789

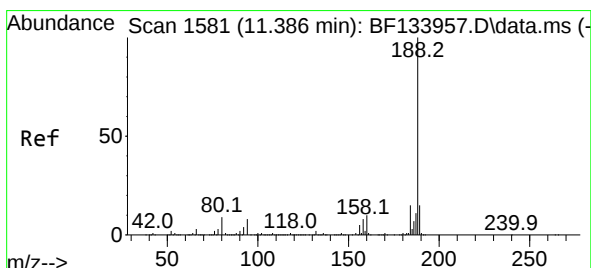
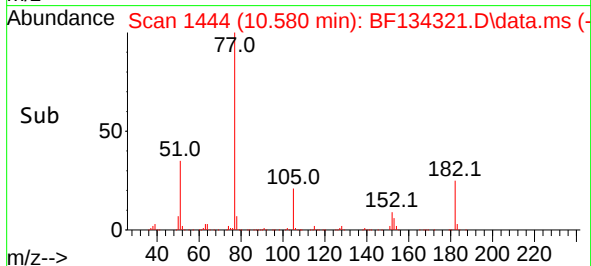
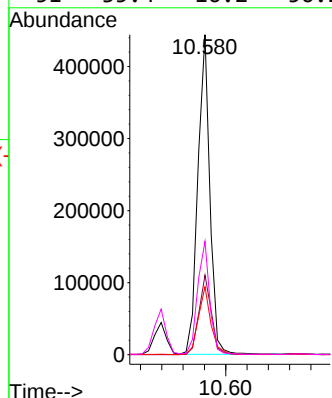
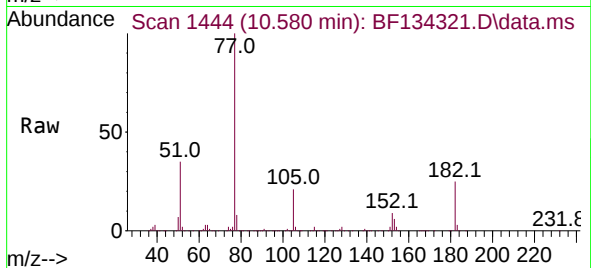
Ion Ratio Lower Upper

77 100

182 24.8 6.8 46.8

105 21.2 2.3 42.3

51 35.4 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

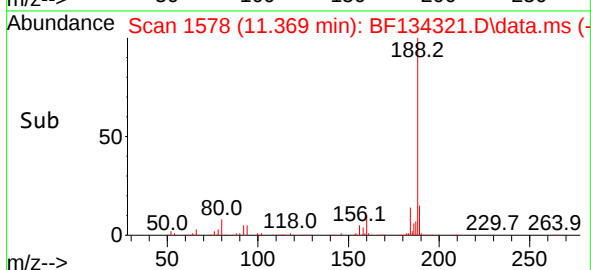
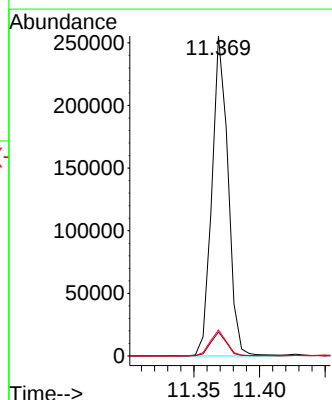
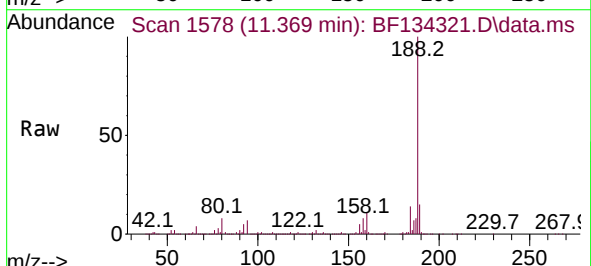
Tgt Ion: 188 Resp: 218864

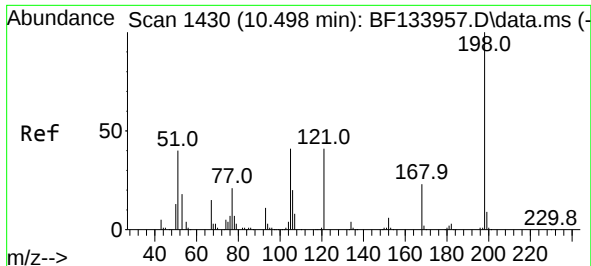
Ion Ratio Lower Upper

188 100

94 7.4 6.4 9.6

80 8.1 7.3 10.9

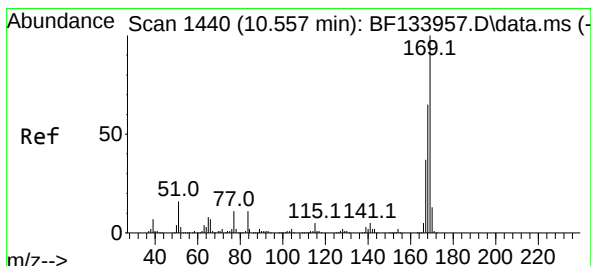
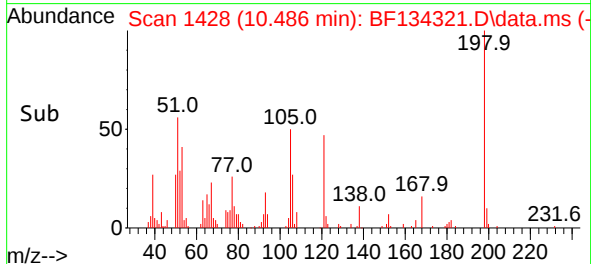
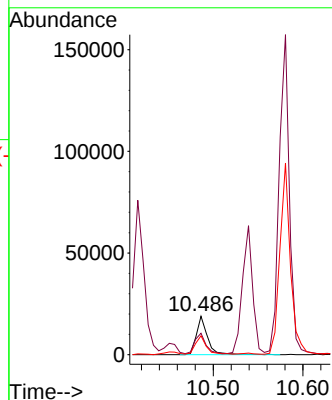
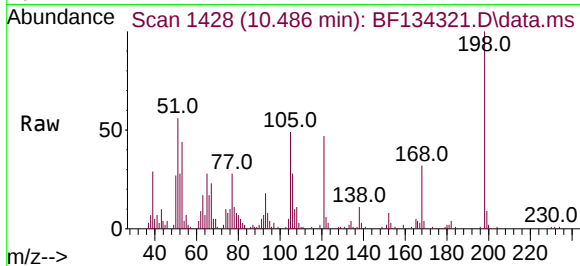




#65
4,6-Dinitro-2-methylphenol
Concen: 13.512 ng
RT: 10.486 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

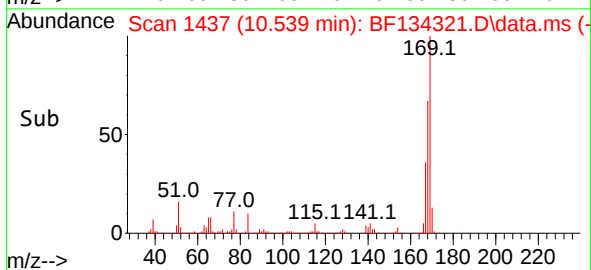
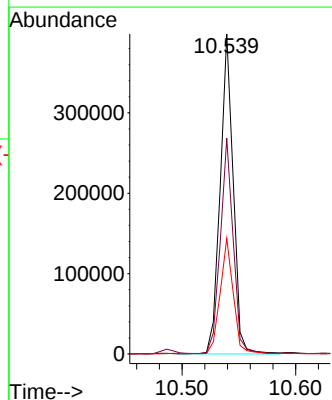
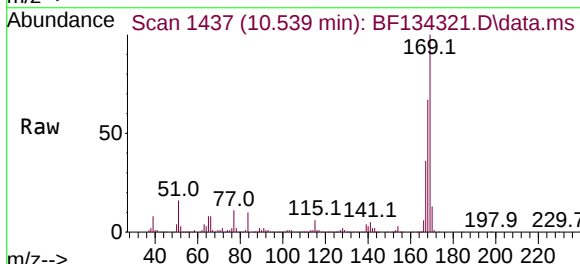
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

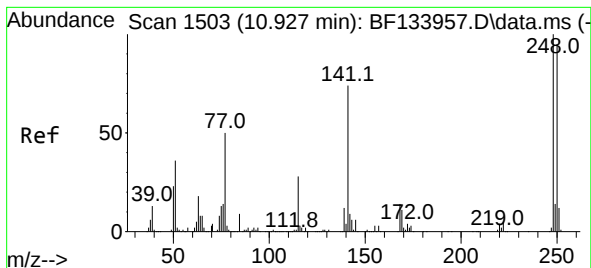
Tgt Ion:198 Resp: 16123
Ion Ratio Lower Upper
198 100
51 56.1 29.3 69.3
105 49.2 22.4 62.4



#66
n-Nitrosodiphenylamine
Concen: 45.502 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:169 Resp: 318182
Ion Ratio Lower Upper
169 100
168 67.5 52.3 78.5
167 36.1 29.4 44.0

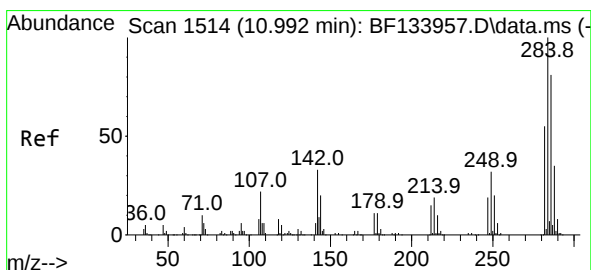
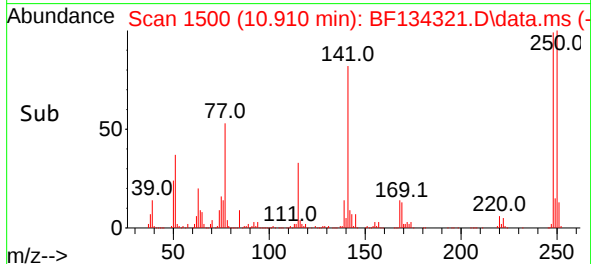
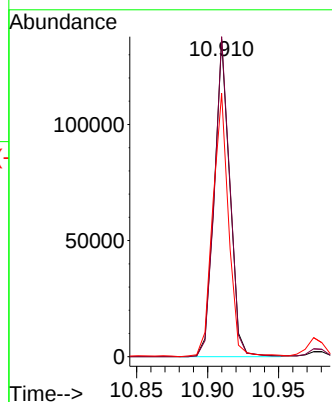
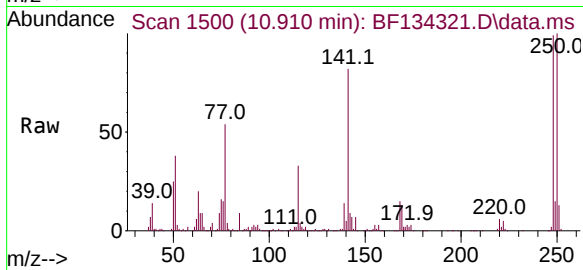




#67
4-Bromophenyl-phenylether
Concen: 44.610 ng
RT: 10.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

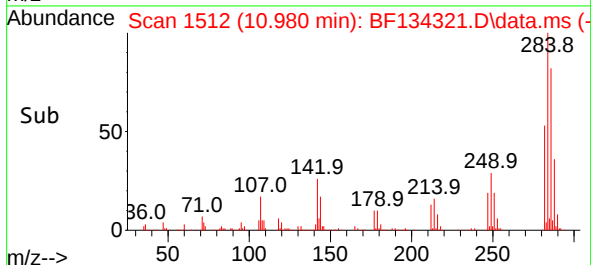
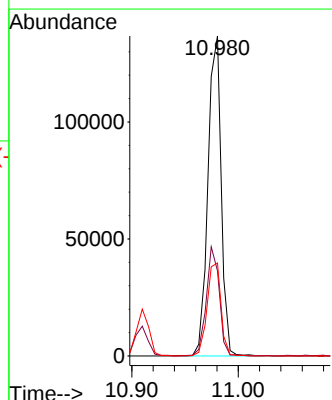
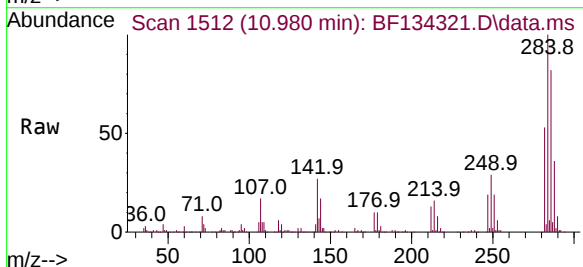
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

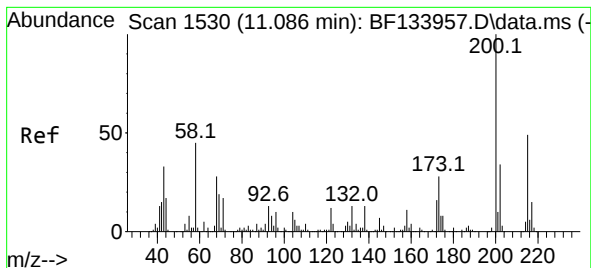
Tgt Ion:248 Resp: 103774
Ion Ratio Lower Upper
248 100
250 100.8 76.2 114.4
141 83.0 59.0 88.4



#68
Hexachlorobenzene
Concen: 47.951 ng
RT: 10.980 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:284 Resp: 118435
Ion Ratio Lower Upper
284 100
142 26.6 26.6 40.0#
249 29.1 25.5 38.3





#69

Atrazine

Concen: 51.217 ng

RT: 11.069 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

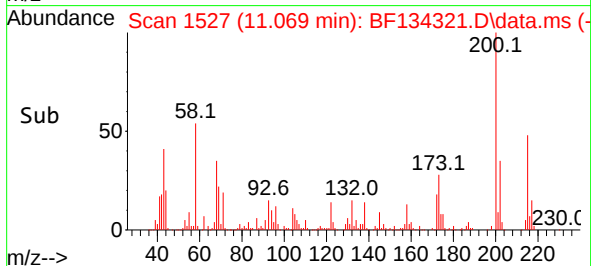
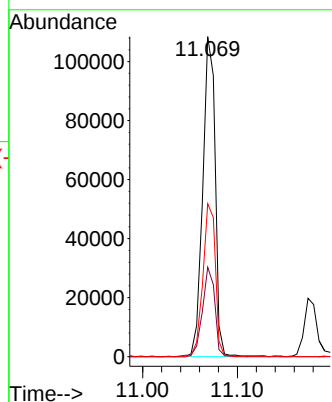
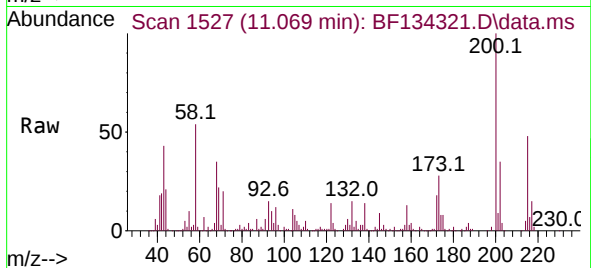
Tgt Ion:200 Resp: 99066

Ion Ratio Lower Upper

200 100

173 28.0 8.0 48.0

215 47.8 29.3 69.3



#70

Pentachlorophenol

Concen: 69.717 ng

RT: 11.180 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

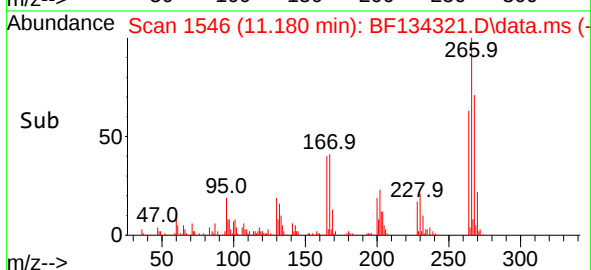
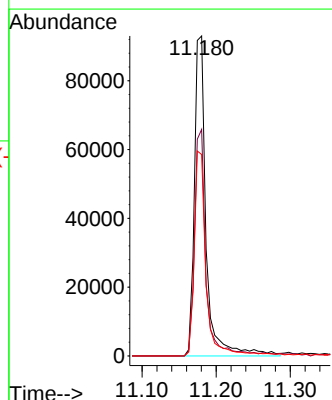
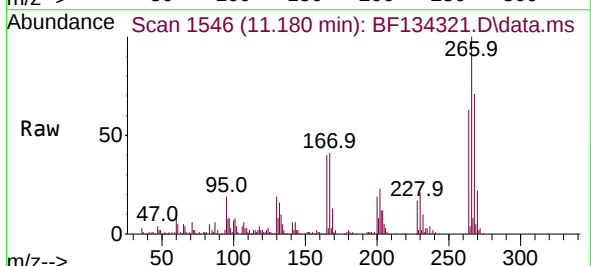
Tgt Ion:266 Resp: 102960

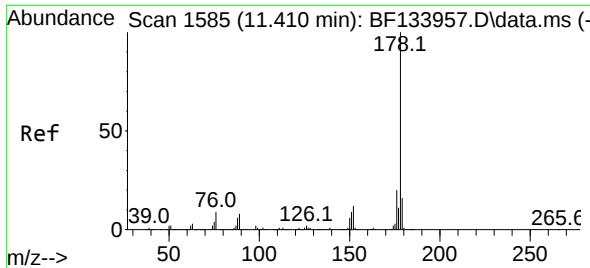
Ion Ratio Lower Upper

266 100

268 70.8 52.6 79.0

264 62.9 50.6 76.0

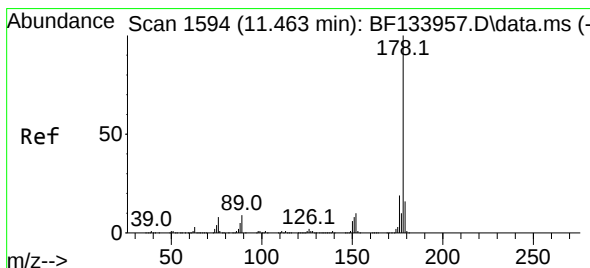
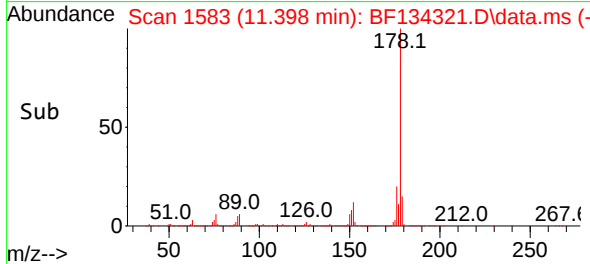
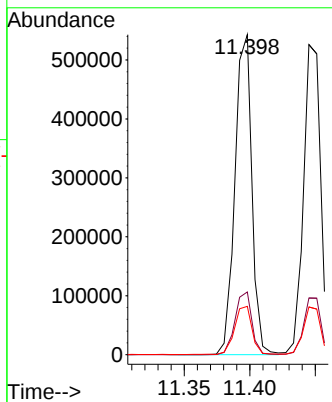
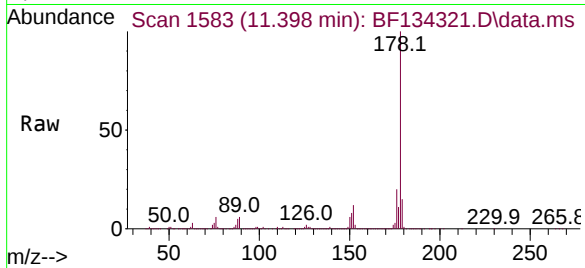




#71
Phenanthrene
Concen: 44.331 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

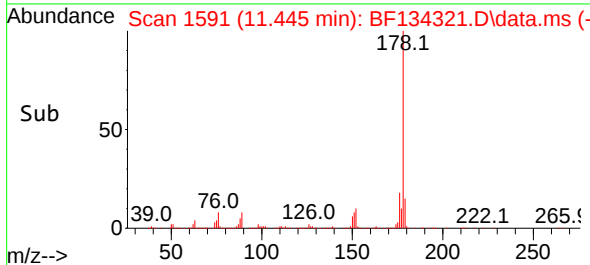
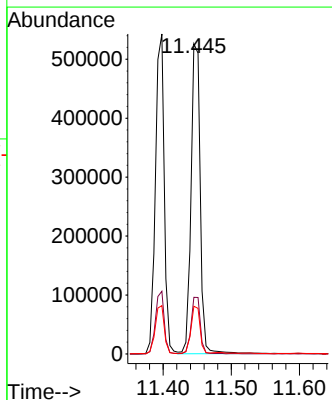
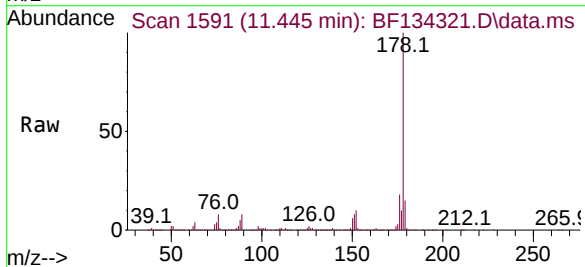
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

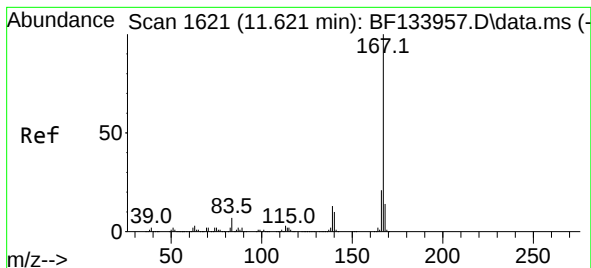
Tgt Ion:178 Resp: 488437
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.1 12.4 18.6



#72
Anthracene
Concen: 42.518 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:178 Resp: 487256
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.4 12.4 18.6





#73

Carbazole

Concen: 41.673 ng

RT: 11.604 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

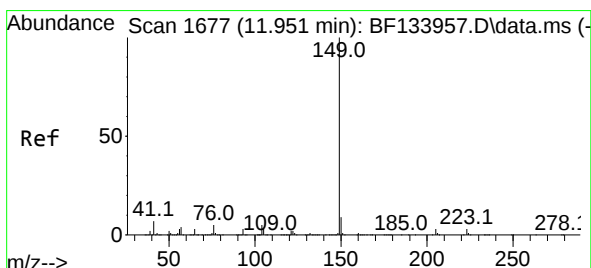
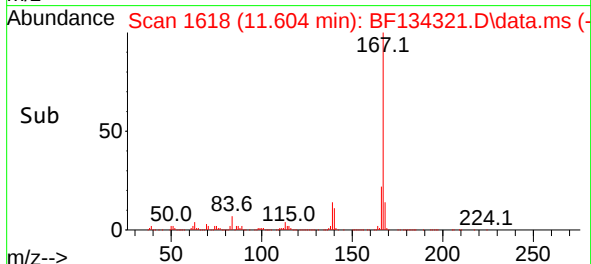
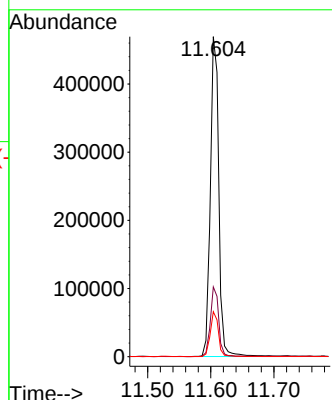
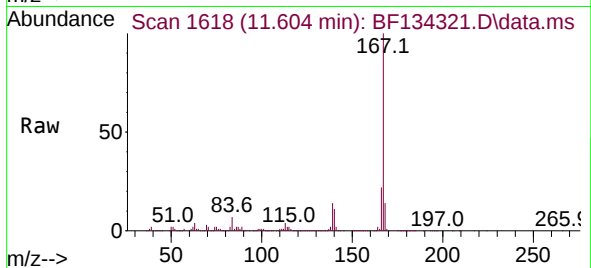
Tgt Ion:167 Resp: 437125

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 14.0 10.4 15.6



#74

Di-n-butylphthalate

Concen: 44.491 ng

RT: 11.933 min Scan# 1674

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

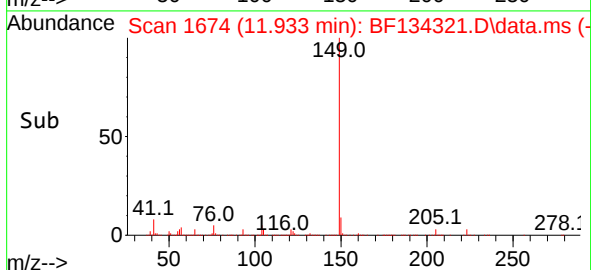
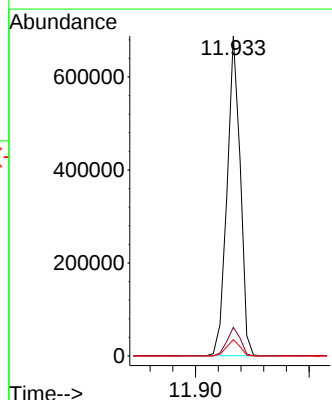
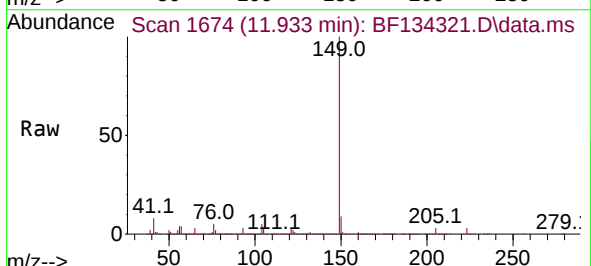
Tgt Ion:149 Resp: 554980

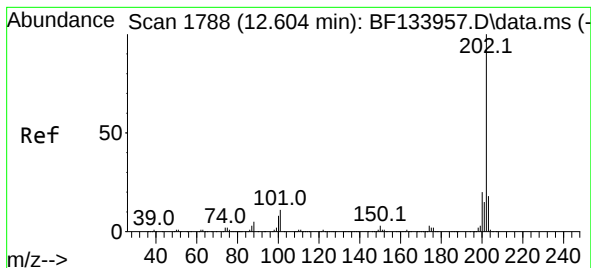
Ion Ratio Lower Upper

149 100

150 8.9 7.1 10.7

104 5.1 4.0 6.0





#75

Fluoranthene

Concen: 47.926 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

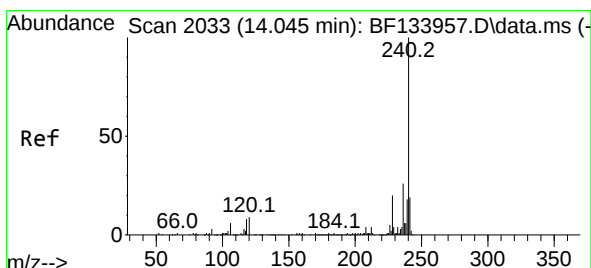
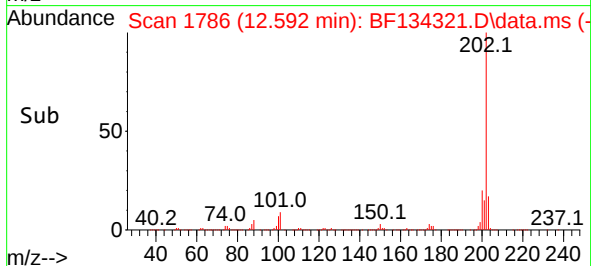
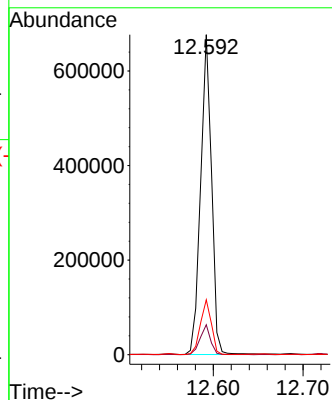
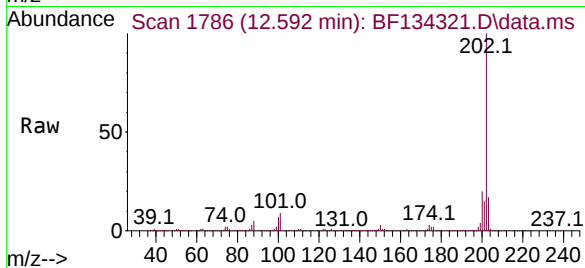
Tgt Ion:202 Resp: 570867

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.0

203 17.1 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: BF134321.D

Acq: 17 Jul 2023 18:10

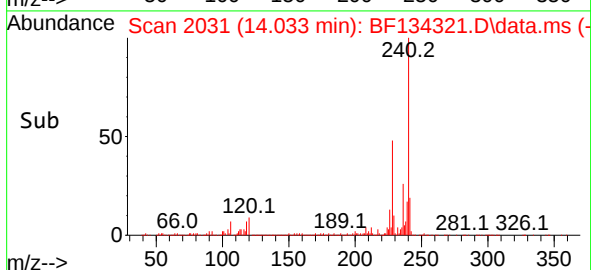
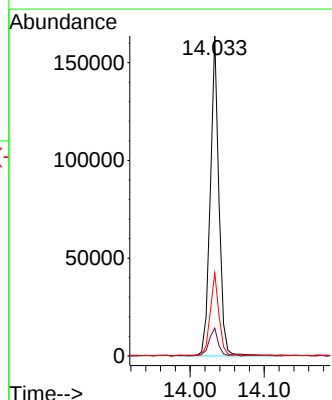
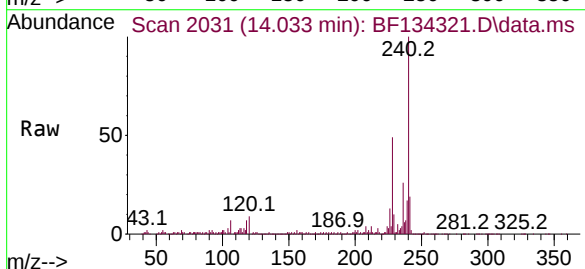
Tgt Ion:240 Resp: 132885

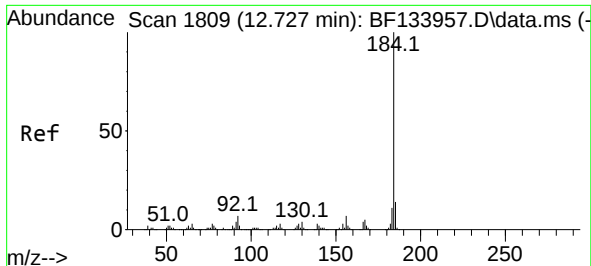
Ion Ratio Lower Upper

240 100

120 8.7 7.4 11.0

236 26.0 21.0 31.6

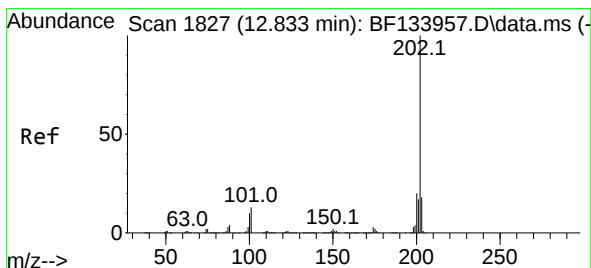
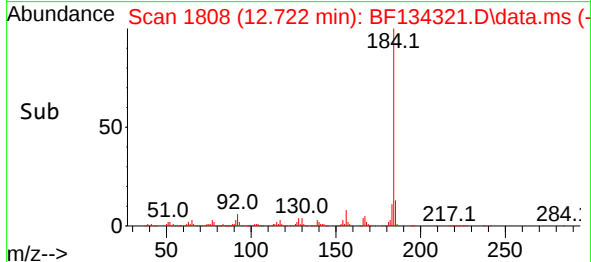
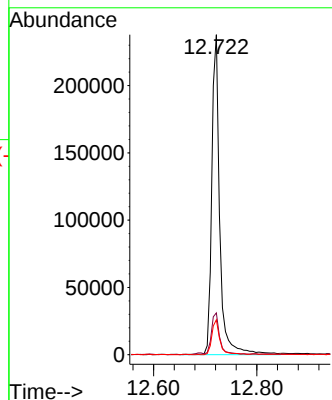
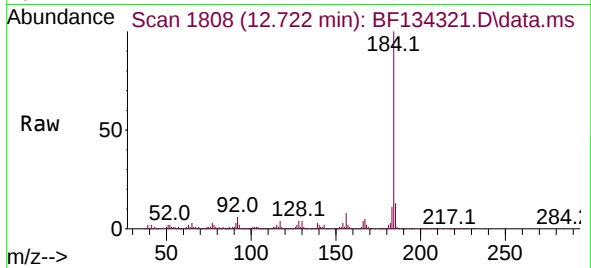




#77
Benzidine
Concen: 80.565 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

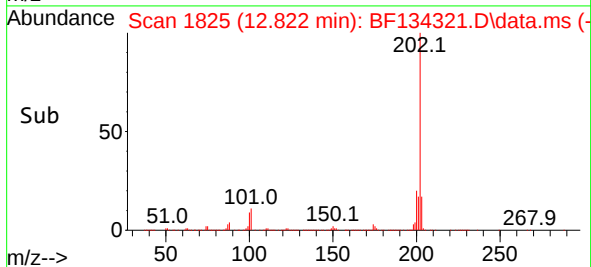
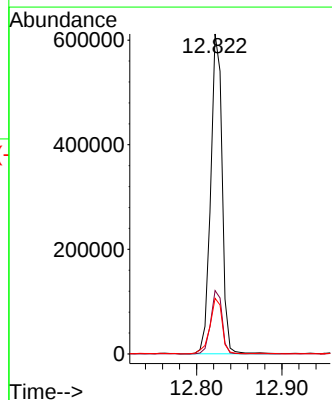
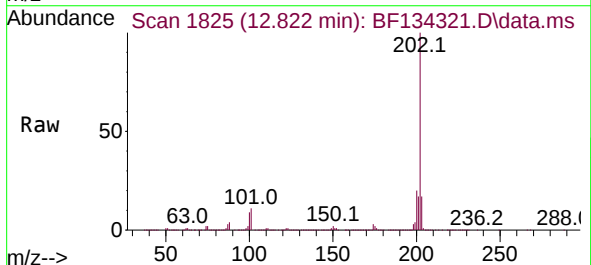
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

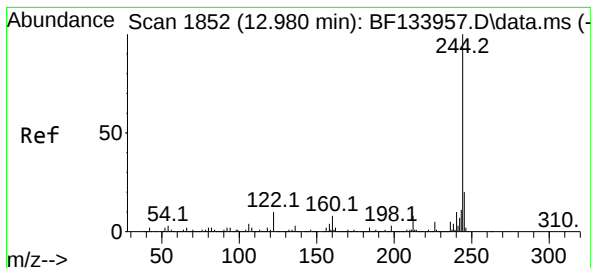
Tgt Ion:184 Resp: 254740
Ion Ratio Lower Upper
184 100
185 13.1 11.6 17.4
183 10.9 8.8 13.2



#78
Pyrene
Concen: 46.078 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:202 Resp: 569839
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 65.622 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

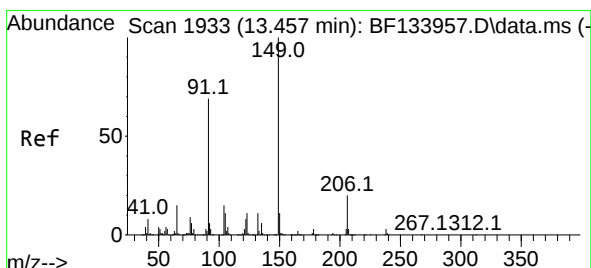
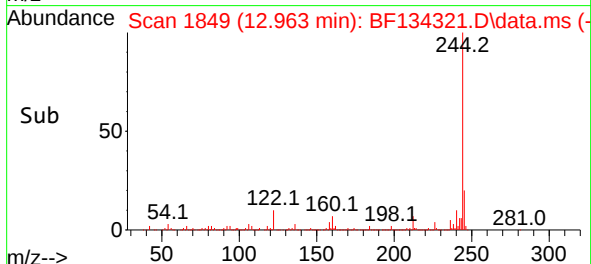
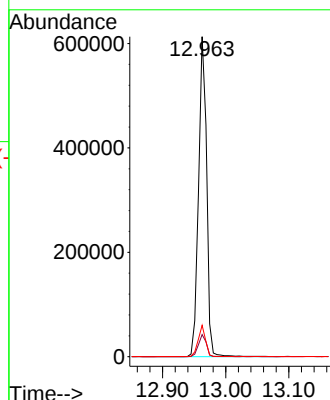
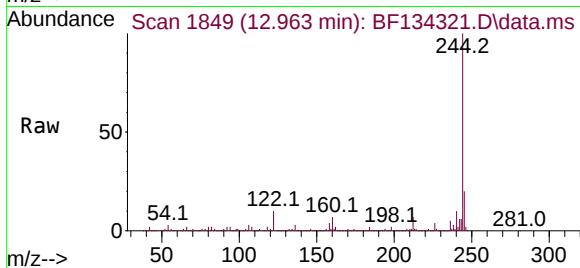
Tgt Ion:244 Resp: 541823

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.8 8.3 12.5



#80

Butylbenzylphthalate

Concen: 44.236 ng

RT: 13.445 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

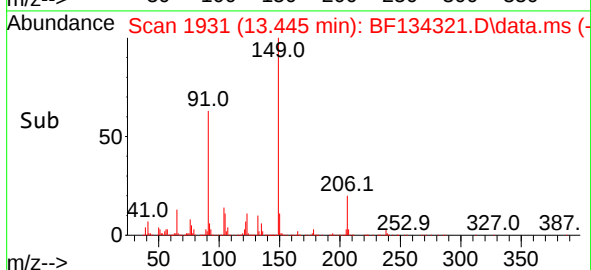
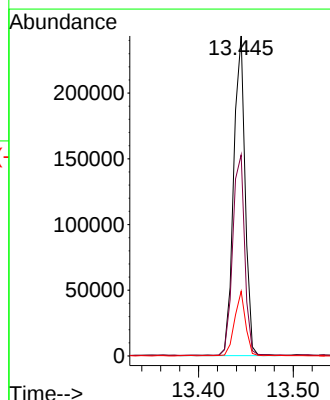
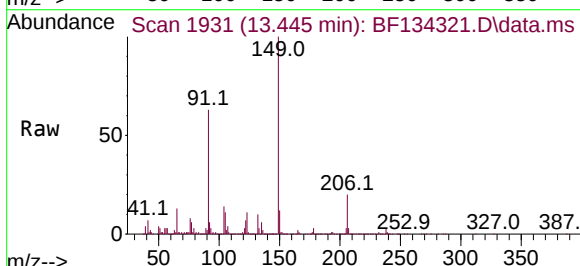
Tgt Ion:149 Resp: 205174

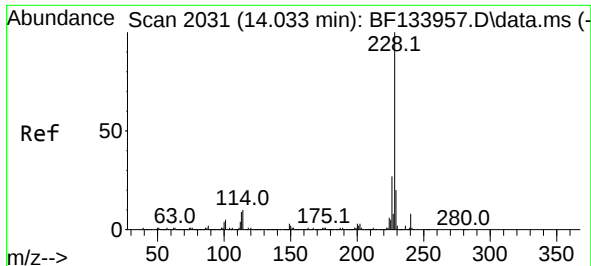
Ion Ratio Lower Upper

149 100

91 62.9 55.1 82.7

206 20.2 15.7 23.5

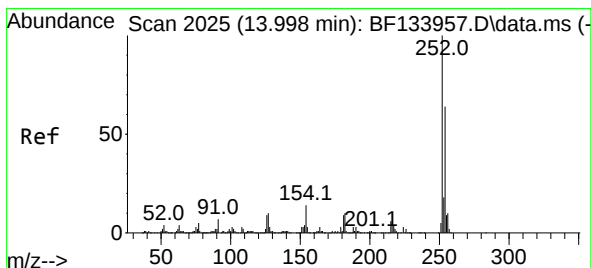
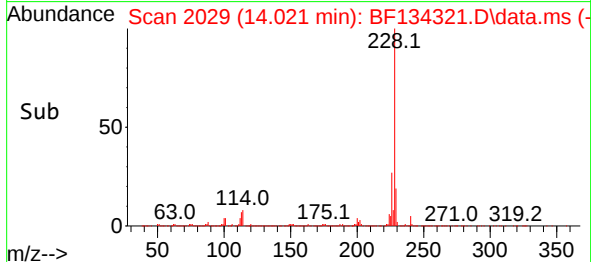
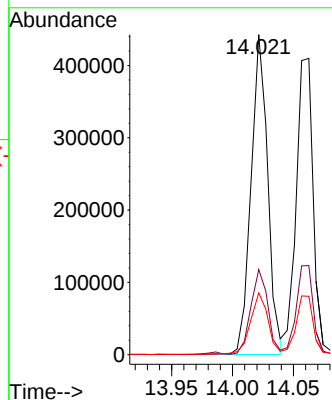
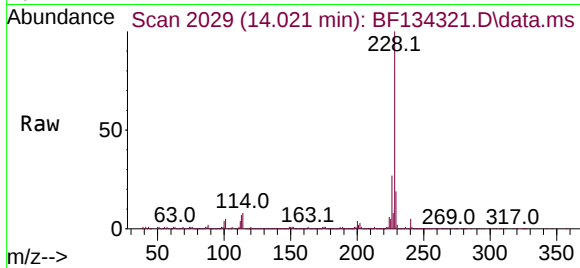




#81
Benzo(a)anthracene
Concen: 45.647 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

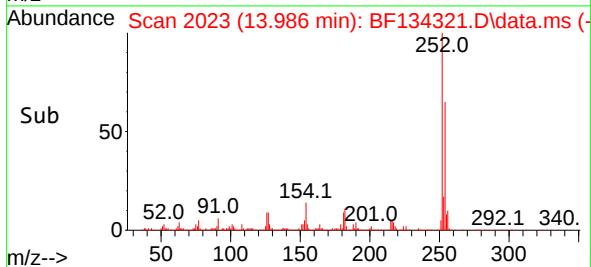
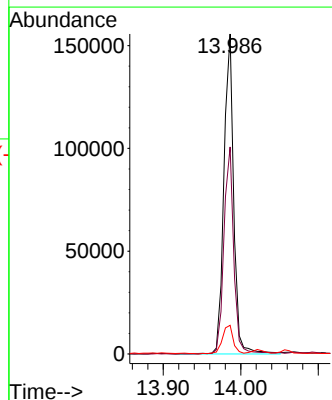
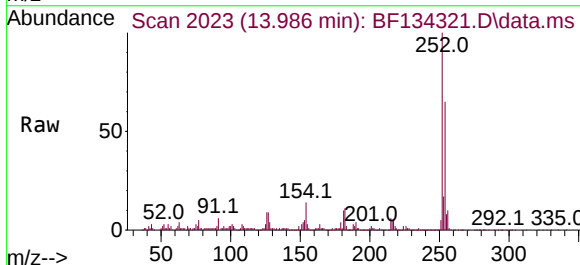
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

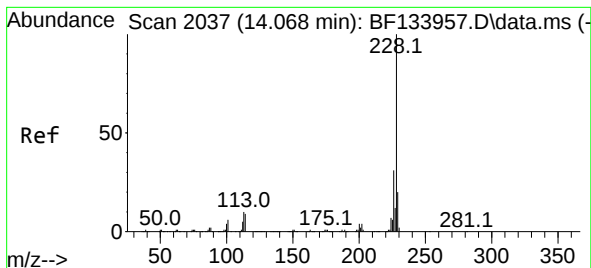
Tgt Ion:228 Resp: 420675
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 19.3 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 46.787 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:252 Resp: 136607
Ion Ratio Lower Upper
252 100
254 64.7 51.4 77.0
126 9.0 7.4 11.2





#83

Chrysene

Concen: 44.542 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

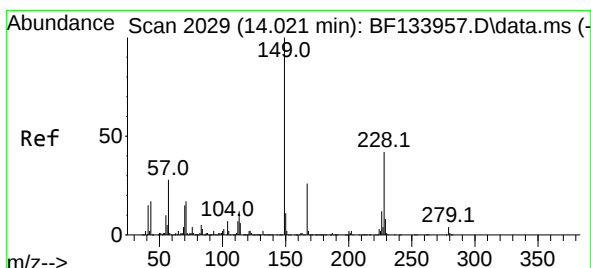
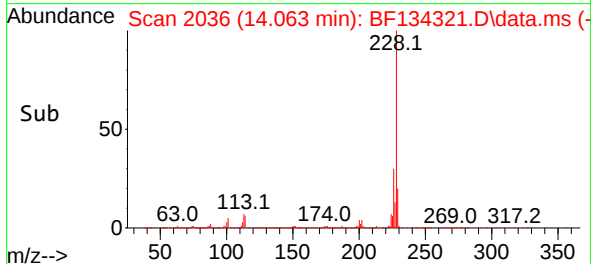
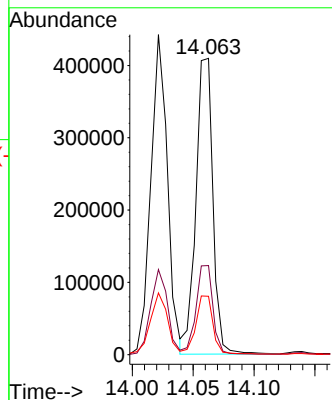
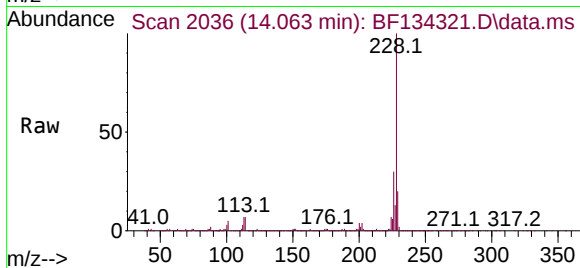
Tgt Ion:228 Resp: 397587

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 19.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.076 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

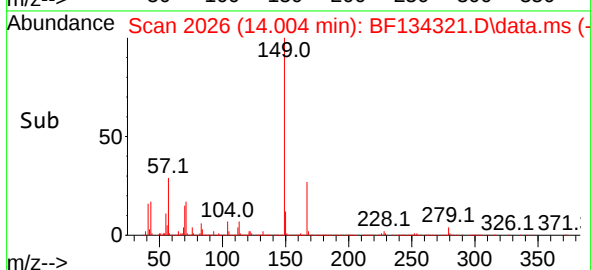
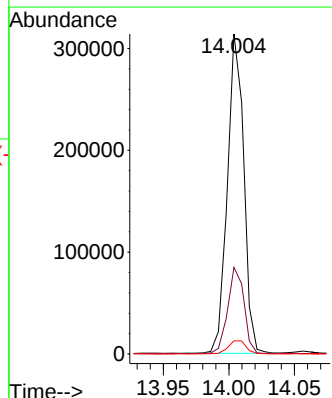
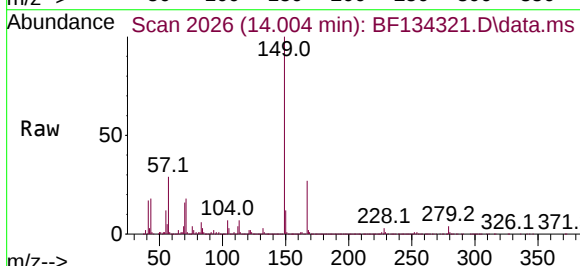
Tgt Ion:149 Resp: 272206

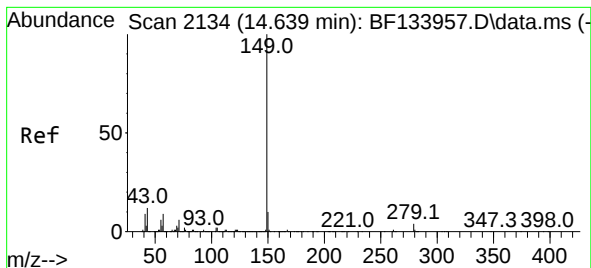
Ion Ratio Lower Upper

149 100

167 27.0 21.0 31.4

279 4.1 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 51.485 ng

RT: 14.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

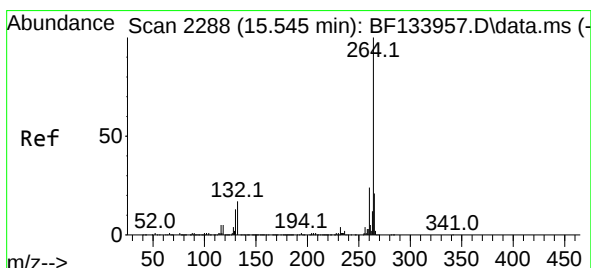
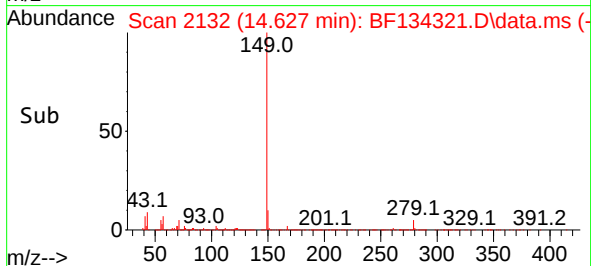
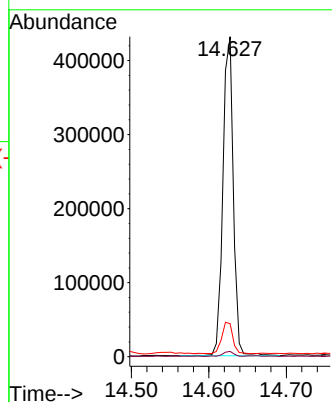
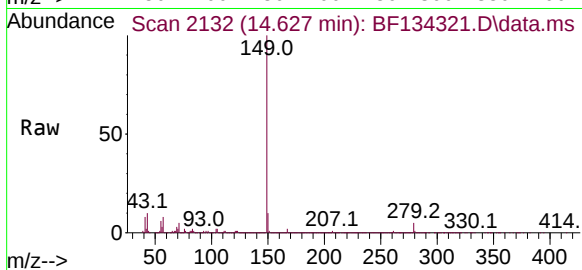
Tgt Ion:149 Resp: 403174

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 10.3 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2286

Delta R.T. -0.012 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

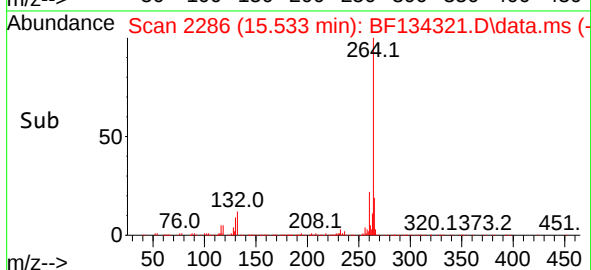
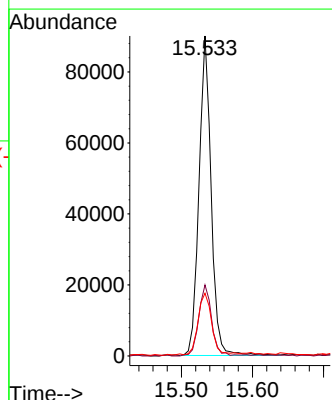
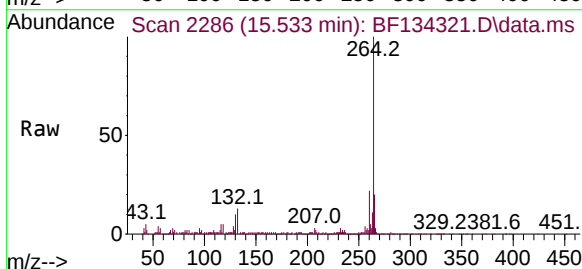
Tgt Ion:264 Resp: 107311

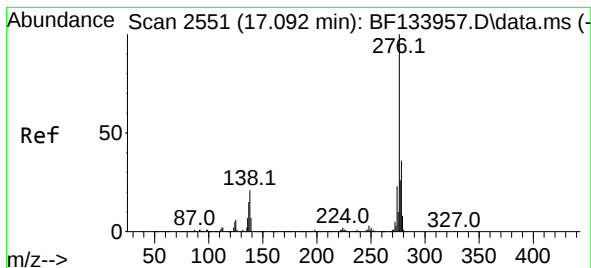
Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

265 19.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.382 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

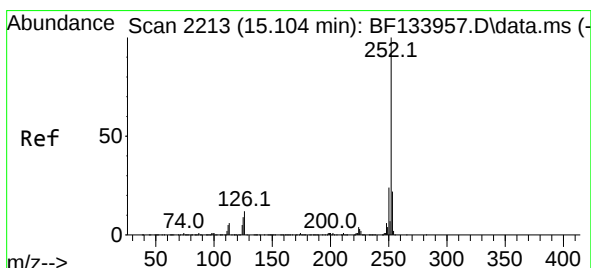
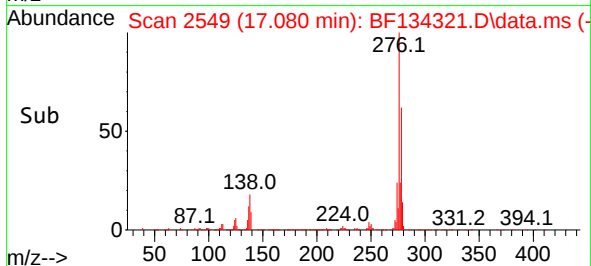
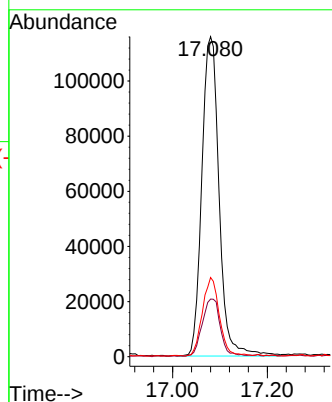
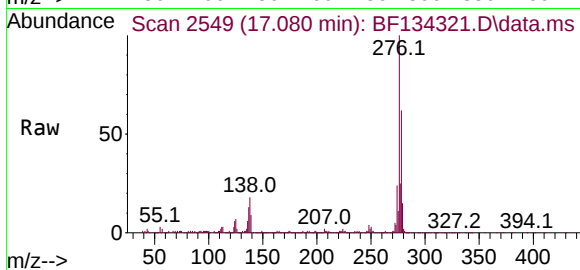
Tgt Ion:276 Resp: 293250

Ion Ratio Lower Upper

276 100

138 18.6 18.7 28.1#

277 24.0 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 50.069 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

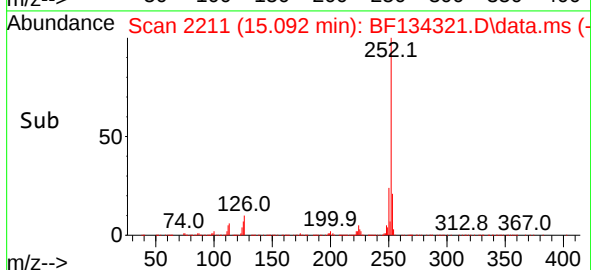
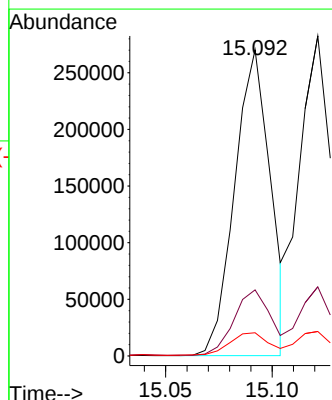
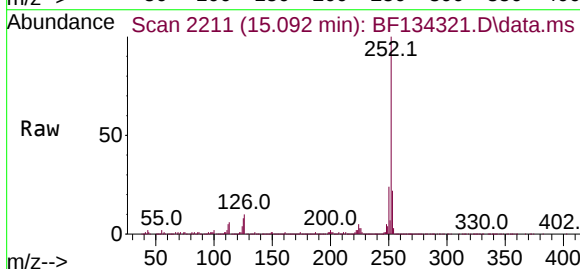
Tgt Ion:252 Resp: 315937

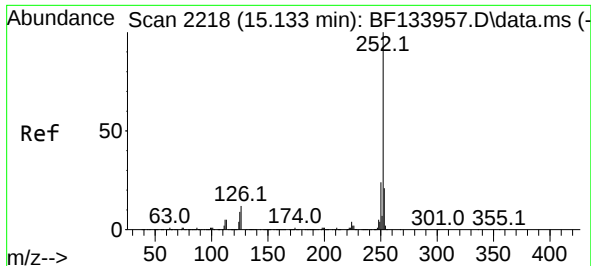
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 7.6 7.1 10.7

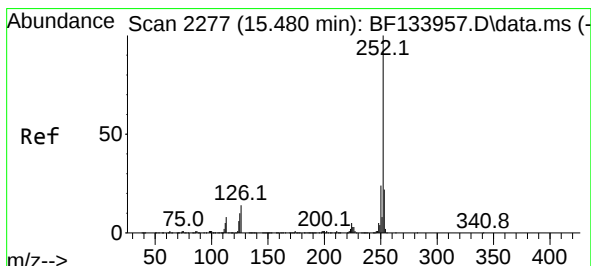
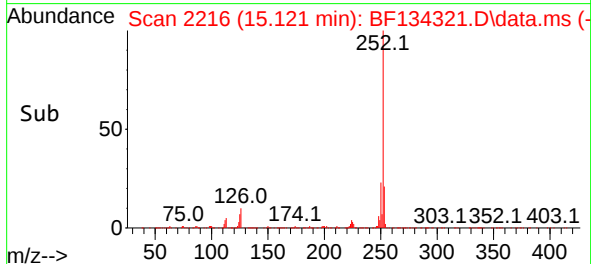
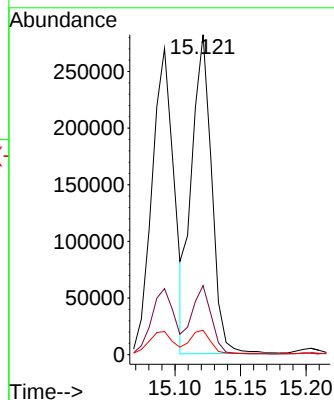
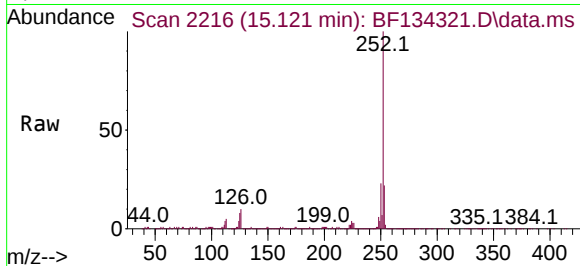




#89
Benzo(k)fluoranthene
Concen: 46.307 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

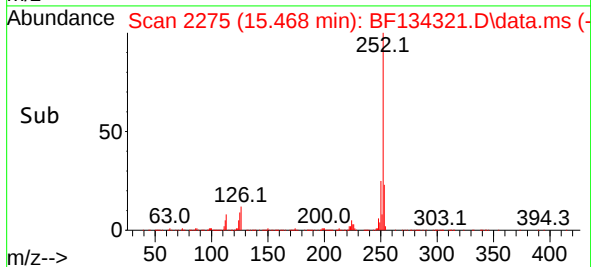
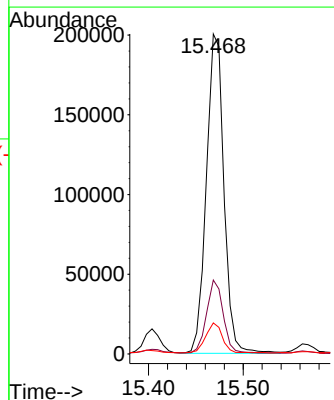
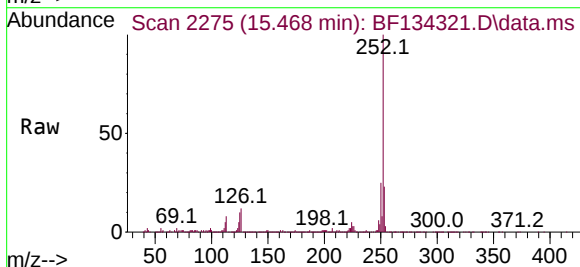
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

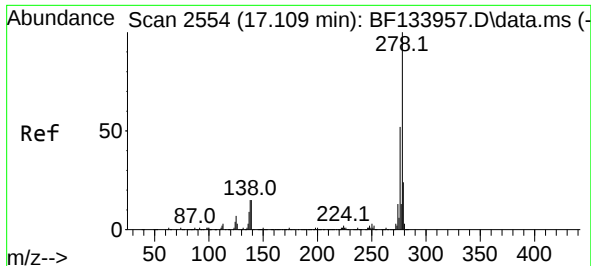
Tgt Ion:252 Resp: 297498
Ion Ratio Lower Upper
252 100
253 21.6 16.9 25.3
125 7.6 7.4 11.2



#90
Benzo(a)pyrene
Concen: 42.330 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF134321.D
Acq: 17 Jul 2023 18:10

Tgt Ion:252 Resp: 258282
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.7 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 37.354 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

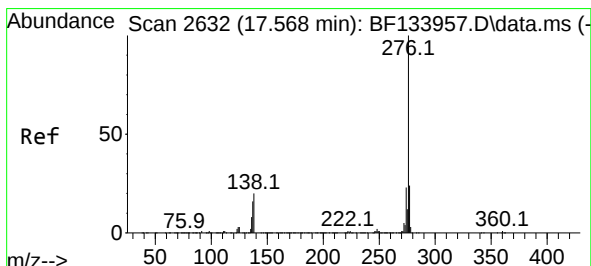
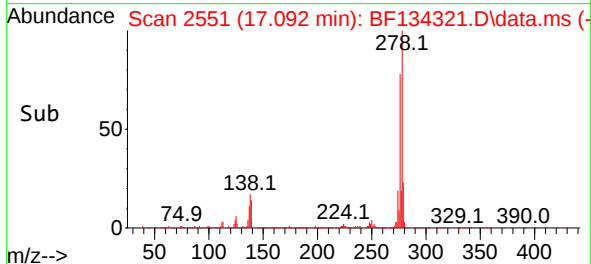
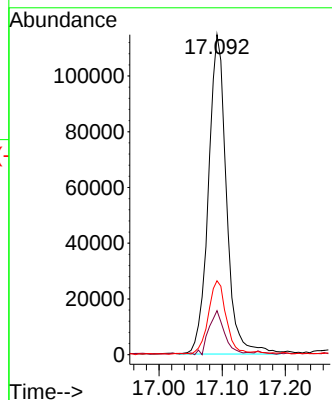
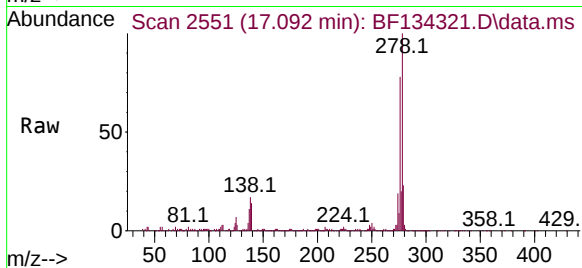
Tgt Ion:278 Resp: 227190

Ion Ratio Lower Upper

278 100

139 13.8 12.2 18.4

279 23.1 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 35.713 ng

RT: 17.545 min Scan# 2628

Delta R.T. -0.023 min

Lab File: BF134321.D

Acq: 17 Jul 2023 18:10

Tgt Ion:276 Resp: 223994

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 16.9 16.2 24.2

