

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053024\
 Data File : BF138072.D
 Acq On : 30 May 2024 13:31
 Operator : CG\JU
 Sample : P2612-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203MSD

Quant Time: May 30 14:06:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	90445	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	312949	20.000	ng	0.00
39) Acenaphthene-d10	10.086	164	41339	20.000	ng	# 0.00
64) Phenanthrene-d10	11.580	188	118623	20.000	ng	0.00
76) Chrysene-d12	14.227	240	3725	20.000	ng	# 0.00
86) Perylene-d12	0.000	264	0	0.000	ng	-15.79
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	644058	120.960	ng	0.04
7) Phenol-d6	6.663	99	207246	31.597	ng	0.00
23) Nitrobenzene-d5	7.604	82	530652	99.790	ng	0.00
42) 2,4,6-Tribromophenol	10.880	330	344695	826.963	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1206736	449.658	ng	0.00
79) Terphenyl-d14	13.163	244	366947	1451.830	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.769	93	228528	38.954	ng	# 55
8) 2-Chlorophenol	6.834	128	259603	45.053	ng	96
9) Benzaldehyde	6.598	77	10938	3.082	ng	98
10) Phenol	6.681	94	118150	17.846	ng	98
11) bis(2-Chloroethyl)ether	6.769	93	228528	44.958	ng	99
12) 1,3-Dichlorobenzene	6.987	146	301078	45.160	ng	99
13) 1,4-Dichlorobenzene	7.057	146	302256	45.167	ng	99
14) 1,2-Dichlorobenzene	7.210	146	290485	46.122	ng	99
15) Benzyl Alcohol	7.298	79	65082	14.860	ng	# 21
16) 2,2'-oxybis(1-Chloropr...	7.298	45	263729	42.207	ng	96
17) 2-Methylphenol	7.286	107	73837	16.068	ng	99
18) Hexachloroethane	7.551	117	101820	44.963	ng	97
19) n-Nitroso-di-n-propyla...	7.439	70	4993	1.355	ng	# 36
20) 3+4-Methylphenols	7.434	107	91544	15.206	ng	# 42
22) Acetophenone	7.445	105	363022	51.782	ng	# 97
24) Nitrobenzene	7.622	77	269731	50.000	ng	99
25) Isophorone	7.857	82	270531	29.312	ng	98
26) 2-Nitrophenol	7.934	139	155063	57.206	ng	99
27) 2,4-Dimethylphenol	7.963	122	73183	20.970	ng	97
29) 2,4-Dichlorophenol	8.181	162	239486	54.571	ng	98
30) 1,2,4-Trichlorobenzene	8.257	180	253446	51.725	ng	100
31) Naphthalene	8.345	128	797249	50.667	ng	100
32) Benzoic acid	8.092	122	142596	48.336	ng	97
33) 4-Chloroaniline	8.345	127	104946	20.345	ng	# 34
34) Hexachlorobutadiene	8.451	225	158029	50.954	ng	98
35) Caprolactam	9.033	113	23903m	18.800	ng	
36) 4-Chloro-3-methylphenol	8.869	107	126068	28.239	ng	99
37) 2-Methylnaphthalene	9.033	142	513741	50.792	ng	99
38) 1-Methylnaphthalene	9.139	142	489078	49.185	ng	100
40) 1,2,4,5-Tetrachloroben...	9.204	216	267891	238.368	ng	100
41) Hexachlorocyclopentadiene	9.186	237	212647	497.962	ng	99
43) 2,4,6-Trichlorophenol	9.316	196	179526	243.632	ng	99
44) 2,4,5-Trichlorophenol	9.357	196	188474	233.760	ng	97
46) 1,1'-Biphenyl	9.504	154	671747	231.679	ng	98
47) 2-Chloronaphthalene	9.533	162	524625	226.665	ng	99
49) Acenaphthylene	9.945	152	67654	20.329	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) Dimethylphthalate	9.798	163	129002	49.764	ng	99
51) 2,6-Dinitrotoluene	9.863	165	142842	240.085	ng	97
52) Acenaphthene	10.116	154	252741m	114.902	ng	
54) 2,4-Dinitrophenol	10.145	184	181794	523.296	ng	87
55) Dibenzofuran	10.292	168	636638	198.874	ng	98
56) 4-Nitrophenol	10.204	139	92743	222.004	ng	95
57) 2,4-Dinitrotoluene	10.269	165	197398	256.643	ng	93
58) Fluorene	10.633	166	344086	135.893	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.410	232	159974	252.566	ng	98
60) Diethylphthalate	10.492	149	96056	39.676	ng	99
61) 4-Chlorophenyl-phenyle...	10.622	204	259143	207.535	ng	100
62) 4-Nitroaniline	10.633	138	5624	10.194	ng	# 28
65) 4,6-Dinitro-2-methylph...	10.675	198	118979	173.708	ng	97
67) 4-Bromophenyl-phenylether	11.116	248	151542	116.531	ng	99
68) Hexachlorobenzene	11.186	284	217441	151.264	ng	98
70) Pentachlorophenol	11.380	266	238918	283.738	ng	99
71) Phenanthrene	11.604	178	529957	90.659	ng	98
72) Anthracene	11.657	178	243849	42.043	ng	99
74) Di-n-butylphthalate	12.121	149	85210	14.492	ng	99
75) Fluoranthene	12.798	202	126888	21.385	ng	98
78) Pyrene	13.027	202	43941	134.869	ng	97
81) Benzo(a)anthracene	14.215	228	19614	83.228	ng	97
83) Chrysene	14.257	228	40789	180.974	ng	97
84) Bis(2-ethylhexyl)phtha...	14.186	149	10988	88.948	ng	# 98
85) Di-n-octyl phthalate	14.810	149	4578	27.432	ng	# 80

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

ClientSampleId :

VNJ-203MSD

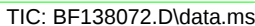
Quant Time: May 30 14:06:08 2024

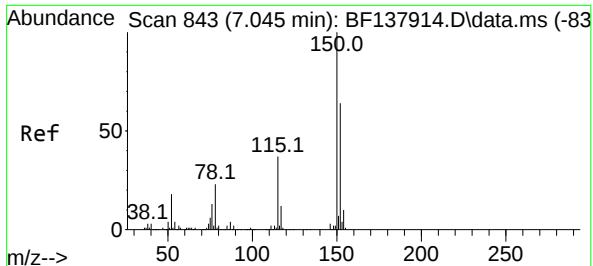
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M

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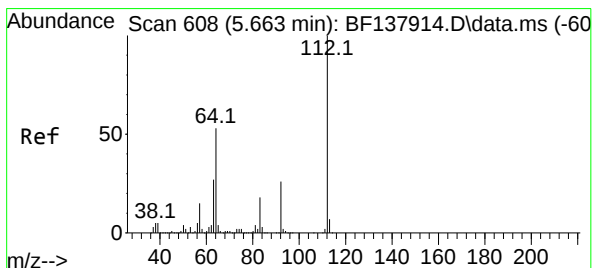
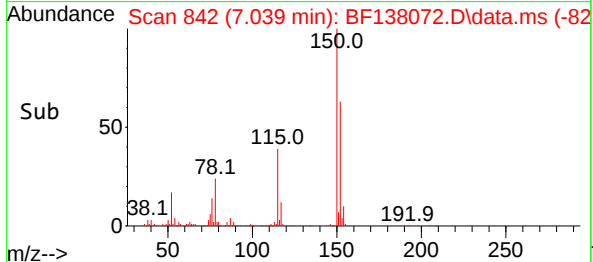
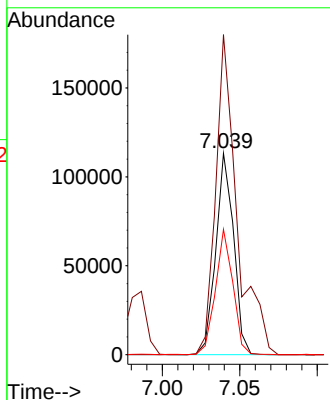
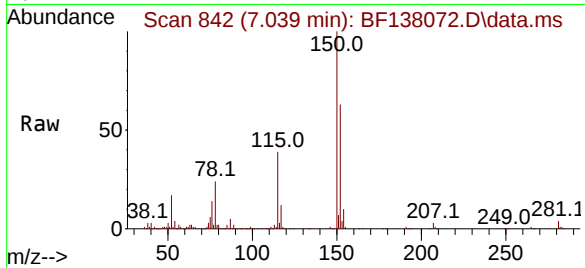




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

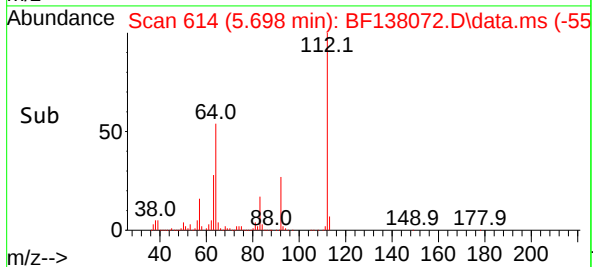
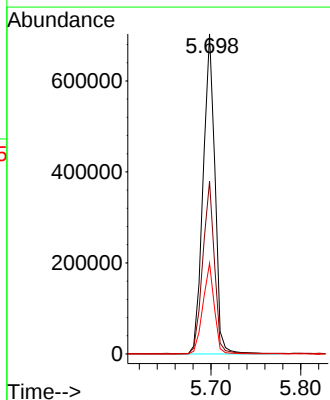
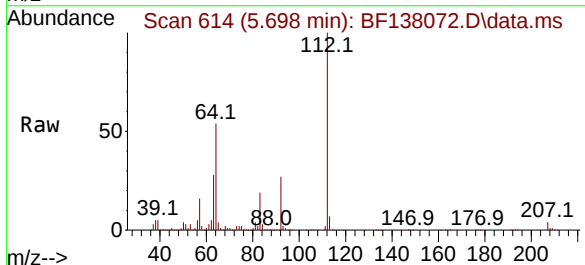
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

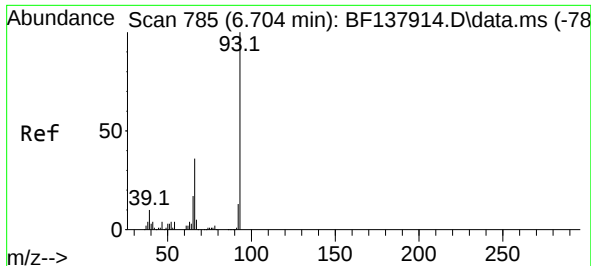
Tgt Ion:152 Resp: 90445
Ion Ratio Lower Upper
152 100
150 158.9 125.7 188.5
115 62.2 47.0 70.6



#5
2-Fluorophenol
Concen: 120.960 ng
RT: 5.698 min Scan# 614
Delta R.T. 0.035 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:112 Resp: 644058
Ion Ratio Lower Upper
112 100
64 54.0 42.4 63.6
63 28.4 21.4 32.2

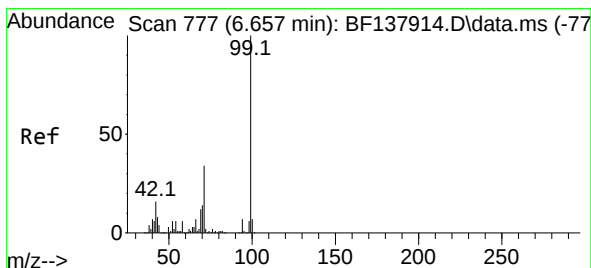
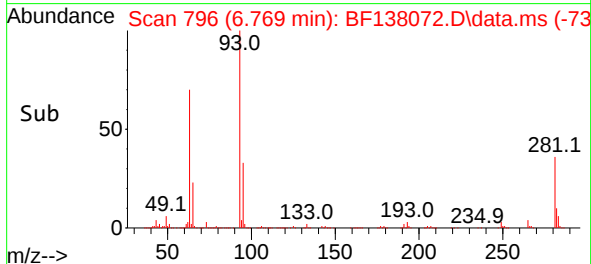
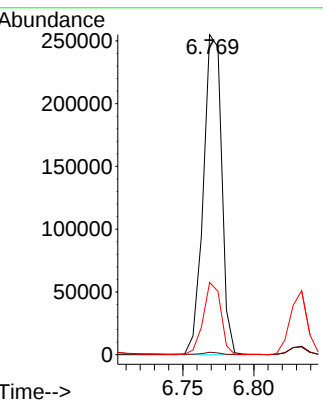
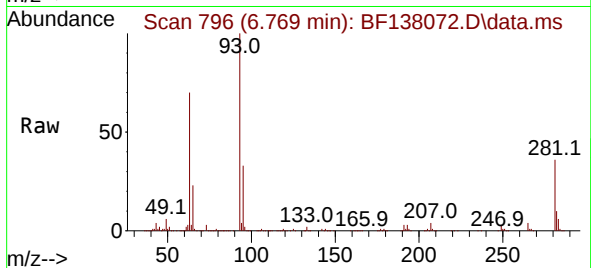




#6
Aniline
Concen: 38.954 ng
RT: 6.769 min Scan# 796
Delta R.T. 0.065 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

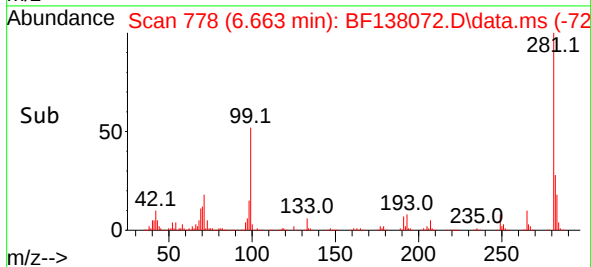
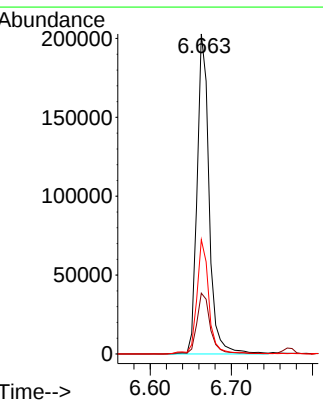
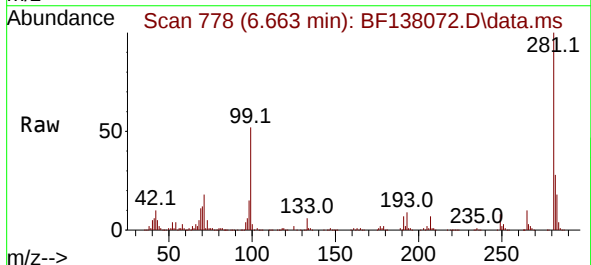
Instrument :
BNA_F
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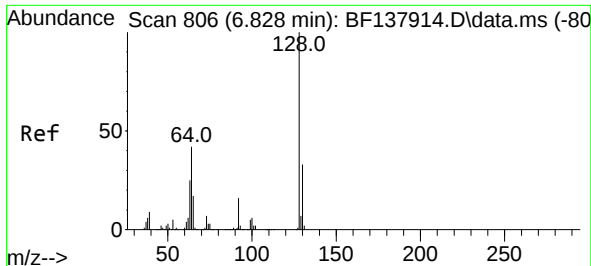
Tgt Ion: 93 Resp: 228528
Ion Ratio Lower Upper
93 100
66 0.7 30.7 46.1#
65 22.6 15.0 22.4#



#7
Phenol-d6
Concen: 31.597 ng
RT: 6.663 min Scan# 778
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion: 99 Resp: 207246
Ion Ratio Lower Upper
99 100
42 19.0 12.6 18.8#
71 35.7 27.1 40.7

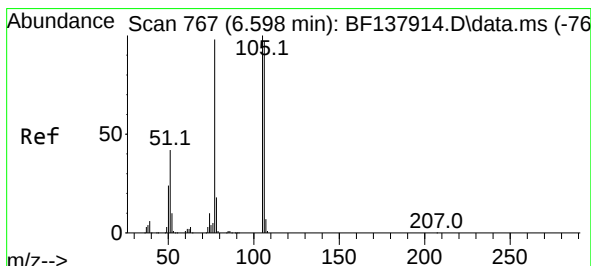
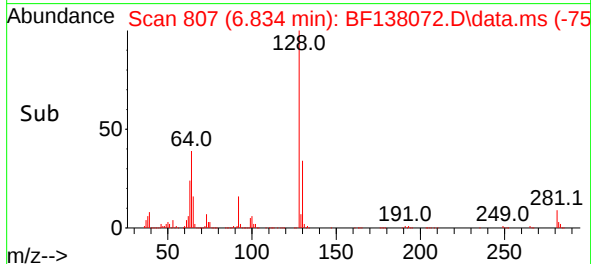
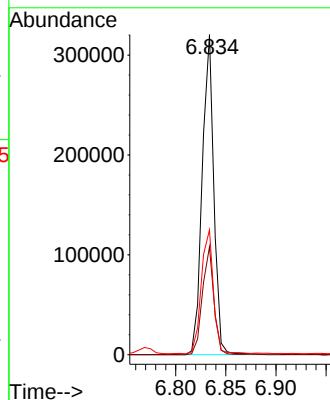
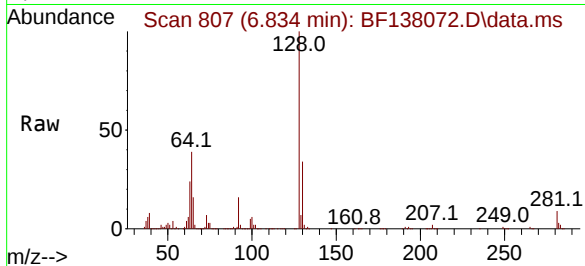




#8
2-Chlorophenol
Concen: 45.053 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

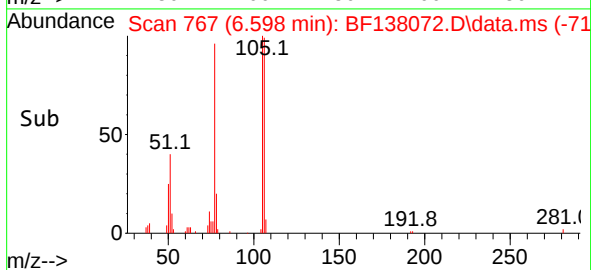
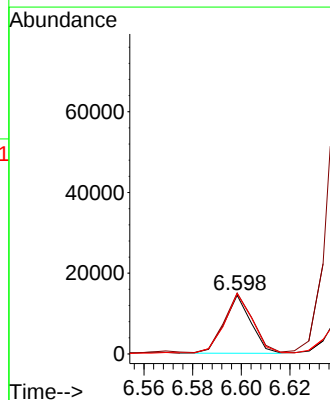
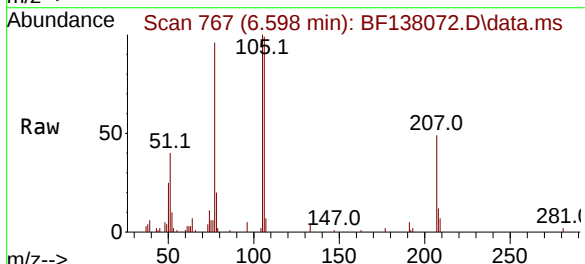
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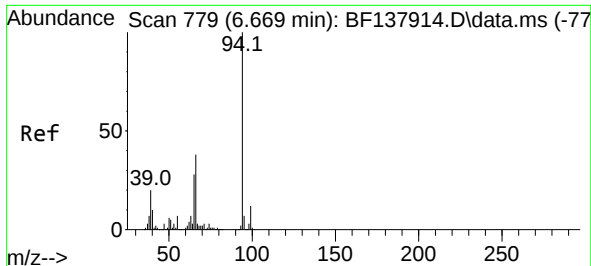
Tgt Ion:128 Resp: 259603
Ion Ratio Lower Upper
128 100
130 33.7 12.8 52.8
64 39.0 22.2 62.2



#9
Benzaldehyde
Concen: 3.082 ng
RT: 6.598 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion: 77 Resp: 10938
Ion Ratio Lower Upper
77 100
105 103.7 82.3 122.3
106 102.6 79.2 119.2

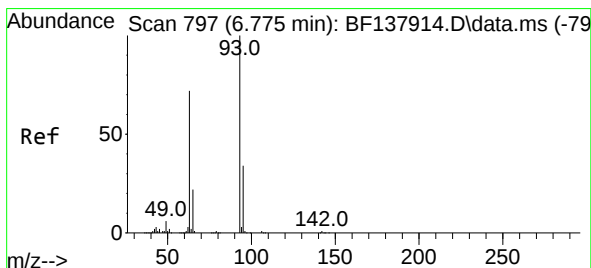
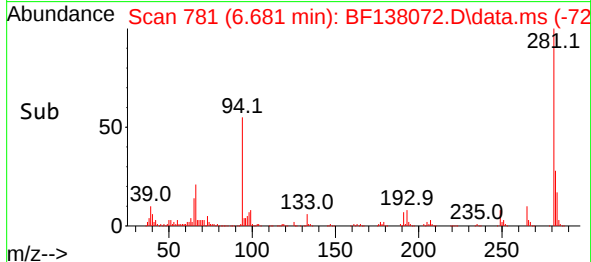
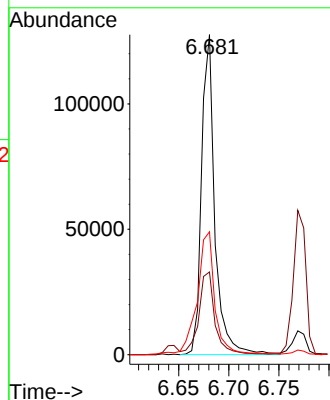
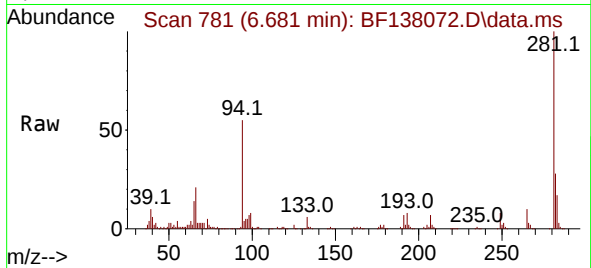




#10
Phenol
Concen: 17.846 ng
RT: 6.681 min Scan# 779
Delta R.T. 0.012 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

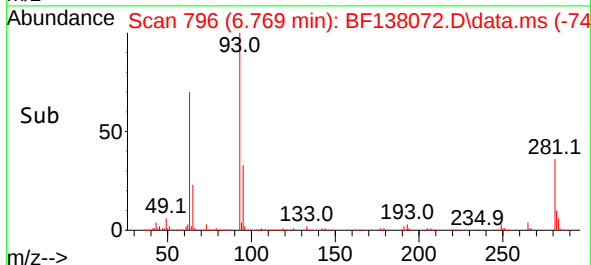
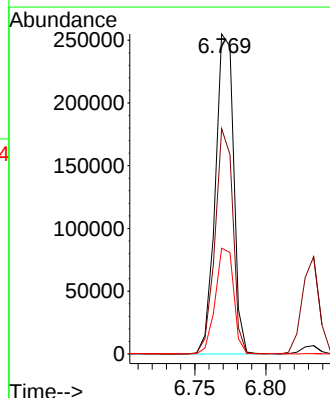
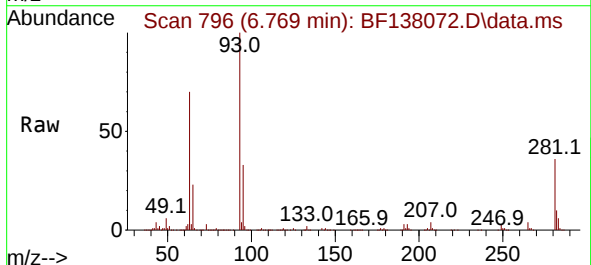
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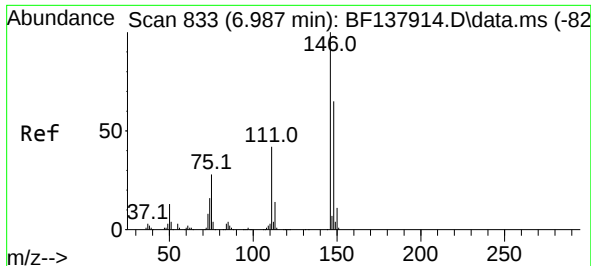
Tgt Ion: 94 Resp: 118150
Ion Ratio Lower Upper
94 100
65 25.8 7.8 47.8
66 38.4 18.6 58.6



#11
bis(2-Chloroethyl)ether
Concen: 44.958 ng
RT: 6.769 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion: 93 Resp: 228528
Ion Ratio Lower Upper
93 100
63 70.4 51.4 91.4
95 33.1 13.5 53.5





#12

1,3-Dichlorobenzene

Concen: 45.160 ng

RT: 6.987 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

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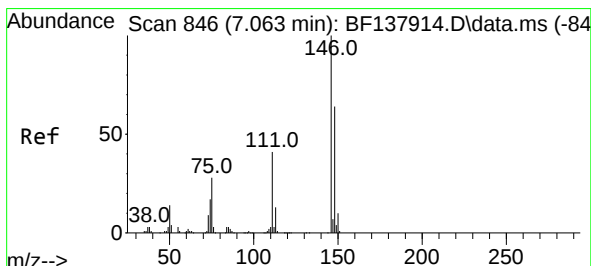
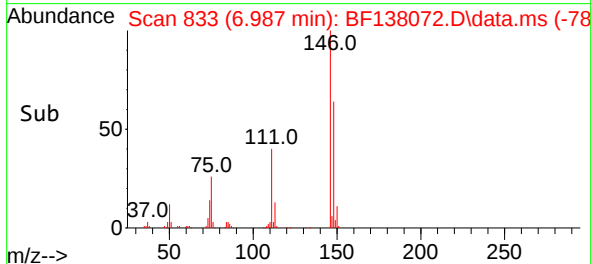
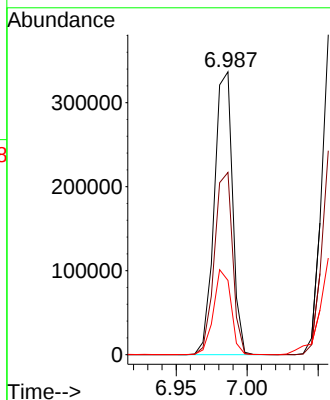
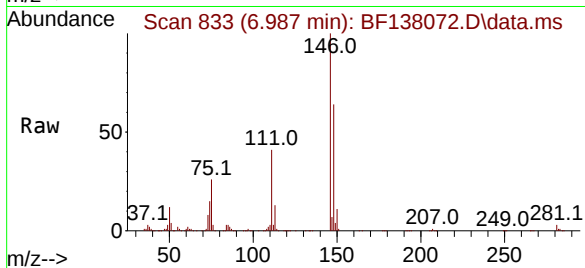
Tgt Ion:146 Resp: 301078

Ion Ratio Lower Upper

146 100

148 64.5 51.7 77.5

75 26.3 22.4 33.6



#13

1,4-Dichlorobenzene

Concen: 45.167 ng

RT: 7.057 min Scan# 845

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

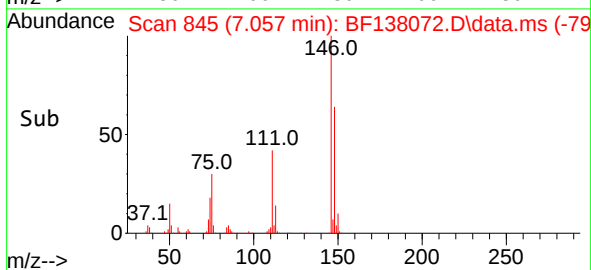
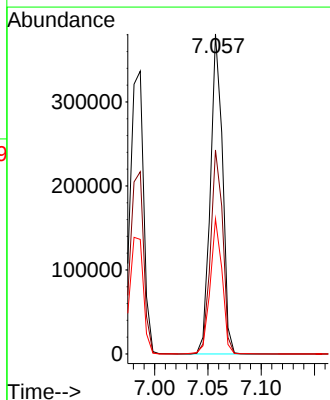
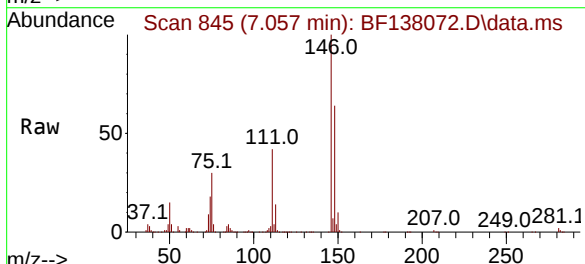
Tgt Ion:146 Resp: 302256

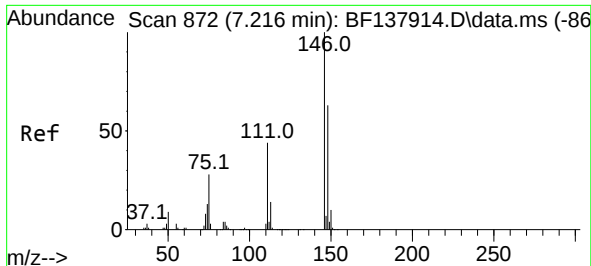
Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 42.2 32.5 48.7





#14

1,2-Dichlorobenzene

Concen: 46.122 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

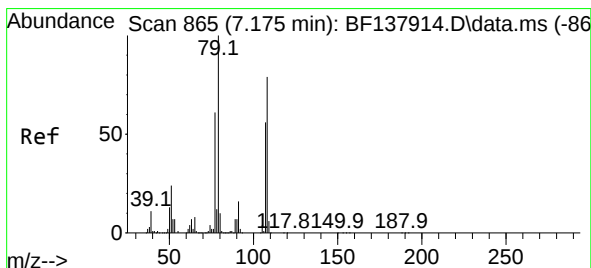
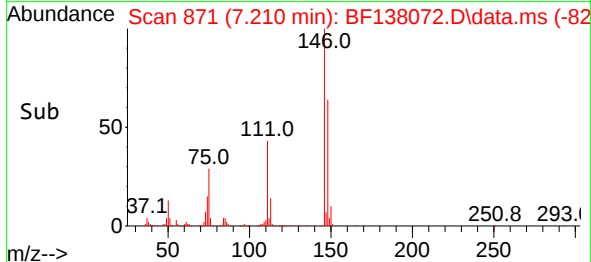
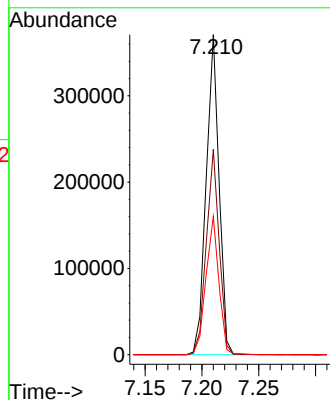
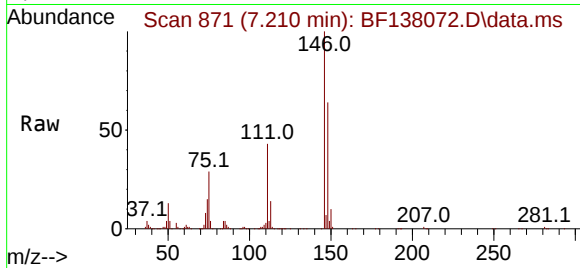
Tgt Ion:146 Resp: 290485

Ion Ratio Lower Upper

146 100

148 64.2 50.2 75.4

111 43.2 35.1 52.7



#15

Benzyl Alcohol

Concen: 14.860 ng

RT: 7.298 min Scan# 886

Delta R.T. 0.124 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

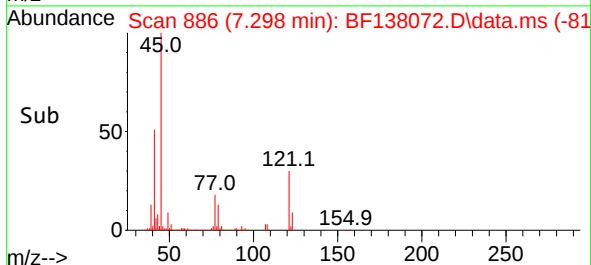
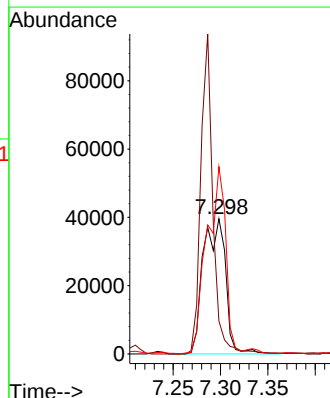
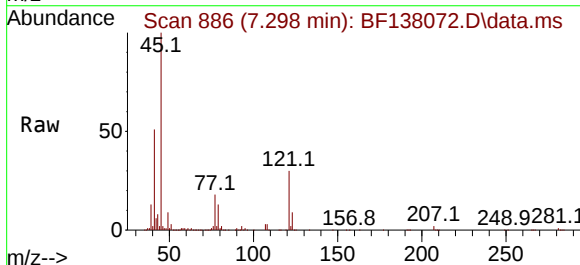
Tgt Ion: 79 Resp: 65082

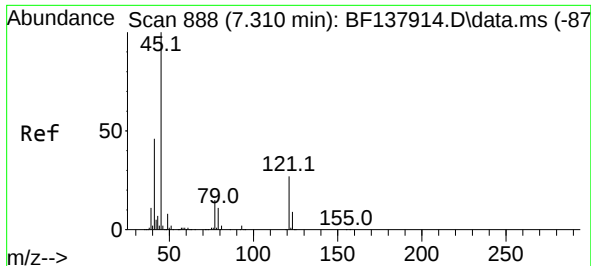
Ion Ratio Lower Upper

79 100

108 24.4 62.8 94.2#

77 138.5 48.7 73.1#

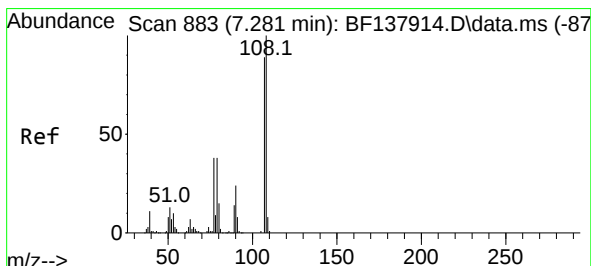
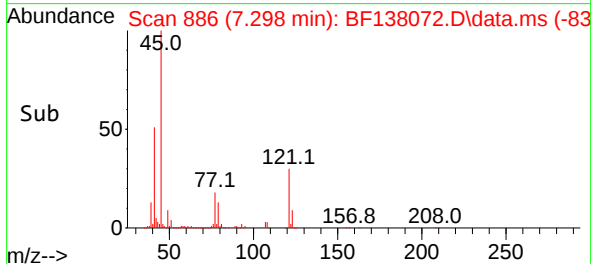
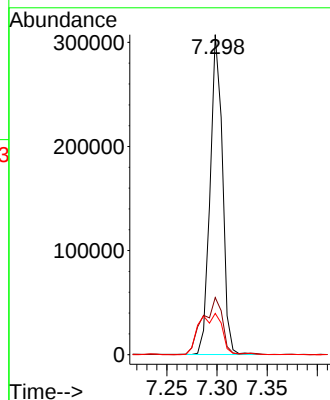
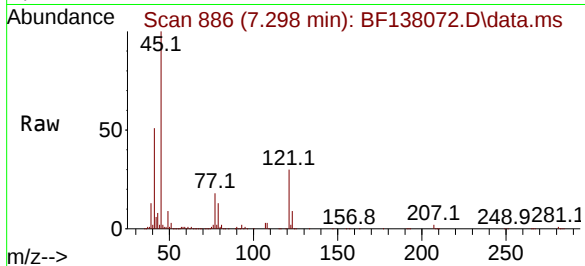




#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.207 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

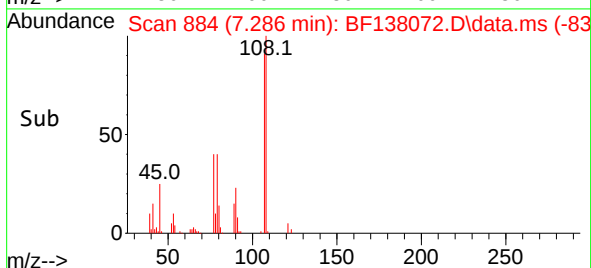
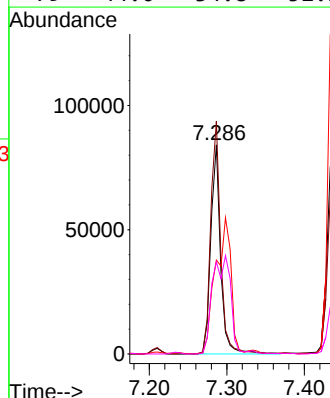
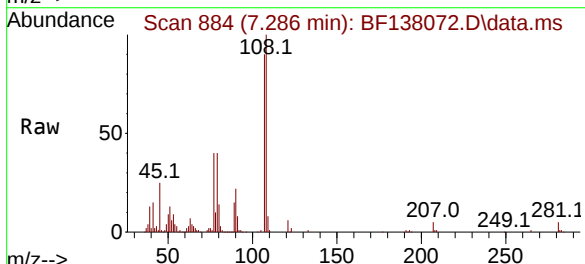
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

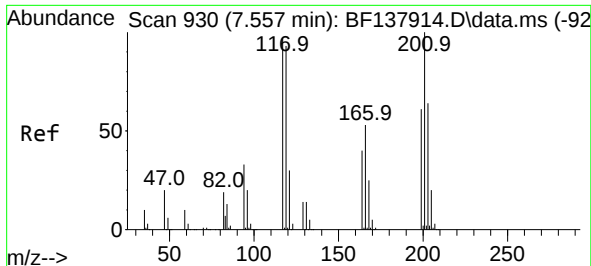
Tgt Ion: 45 Resp: 263729
Ion Ratio Lower Upper
45 100
77 17.8 0.0 35.3
79 12.9 0.0 32.1



#17
2-Methylphenol
Concen: 16.068 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:107 Resp: 73837
Ion Ratio Lower Upper
107 100
108 111.4 90.1 135.1
77 44.9 34.3 51.5
79 44.0 34.8 52.2

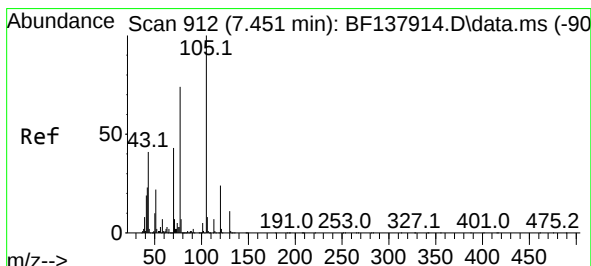
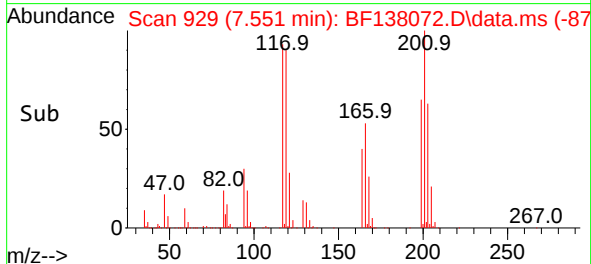
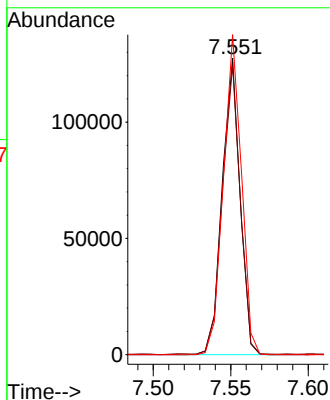
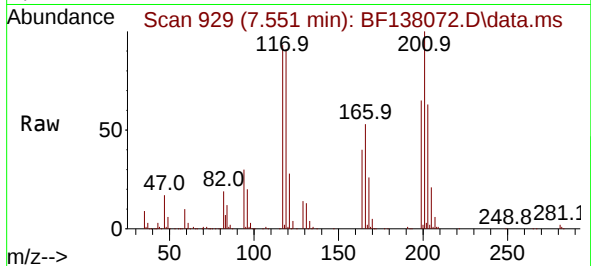




#18
Hexachloroethane
Concen: 44.963 ng
RT: 7.551 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

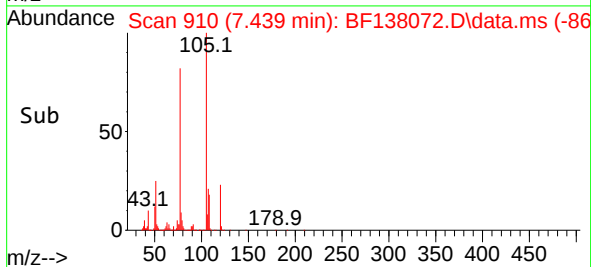
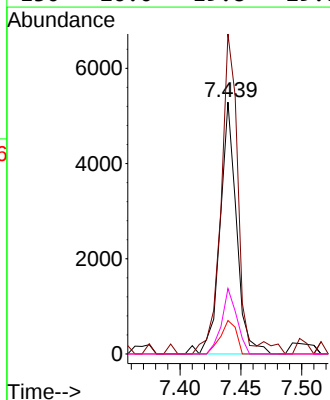
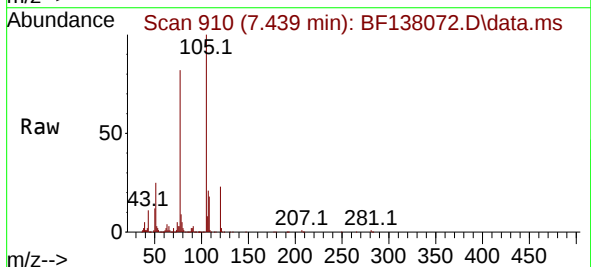
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

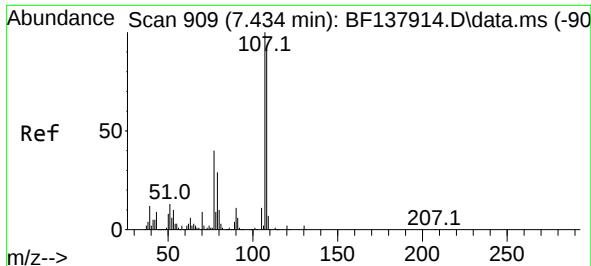
Tgt Ion:117 Resp: 101820
Ion Ratio Lower Upper
117 100
119 97.6 76.8 115.2
201 107.9 82.7 124.1



#19
n-Nitroso-di-n-propylamine
Concen: 1.355 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion: 70 Resp: 4993
Ion Ratio Lower Upper
70 100
42 127.1 42.2 63.4#
101 13.3 8.8 13.2#
130 26.0 19.8 29.8





#20

3+4-Methylphenols

Concen: 15.206 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF138072.D

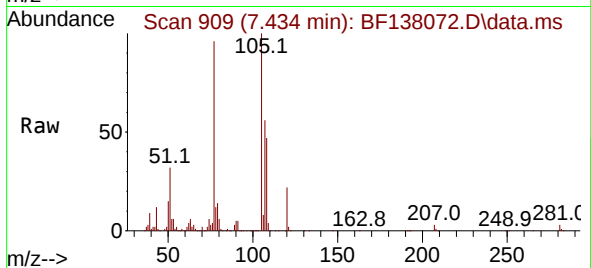
Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD



Tgt Ion:107 Resp: 91544

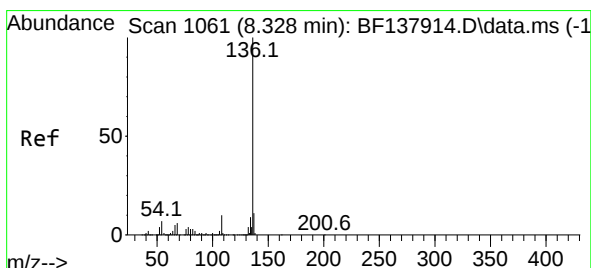
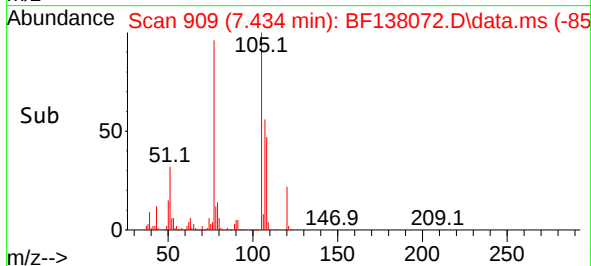
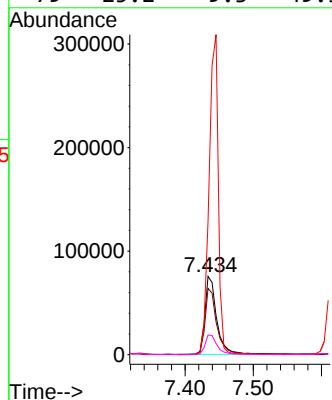
Ion Ratio Lower Upper

107 100

108 84.6 70.8 110.8

77 170.5 20.2 60.2#

79 25.2 9.3 49.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.322 min Scan# 1060

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Tgt Ion:136 Resp: 312949

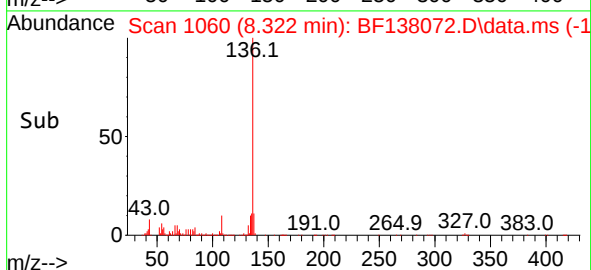
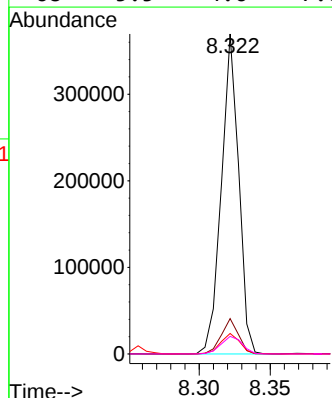
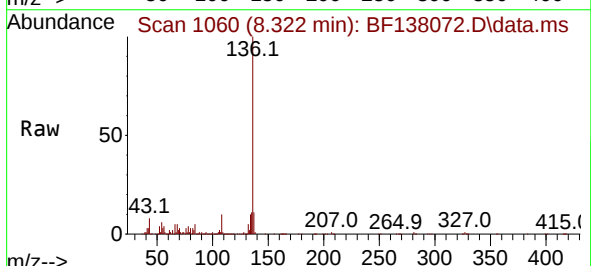
Ion Ratio Lower Upper

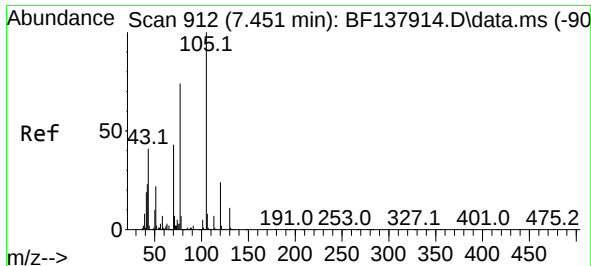
136 100

137 11.0 8.7 13.1

54 6.4 5.4 8.2

68 5.5 4.6 7.0

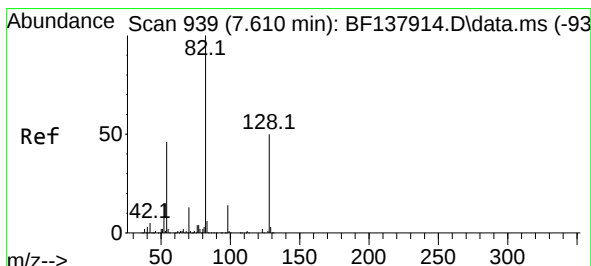
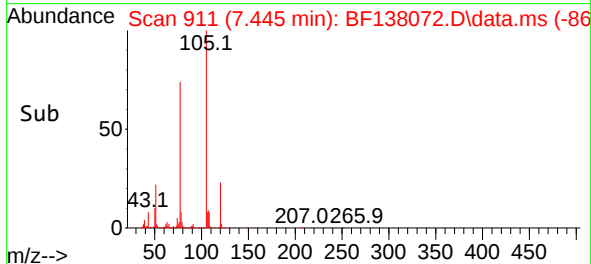
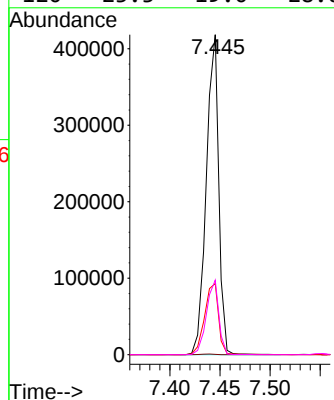
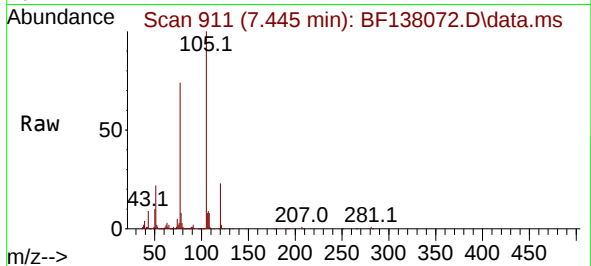




#22
Acetophenone
Concen: 51.782 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

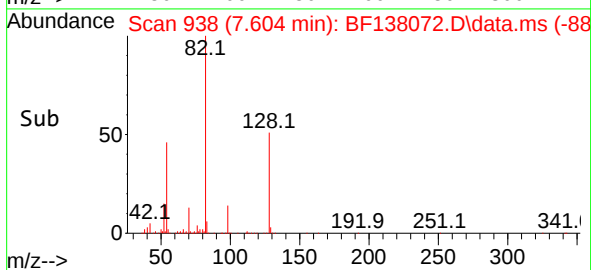
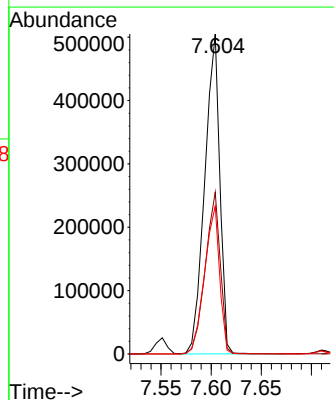
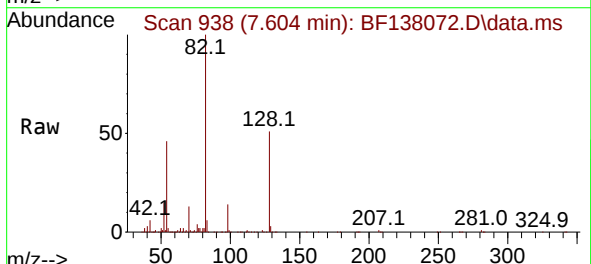
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

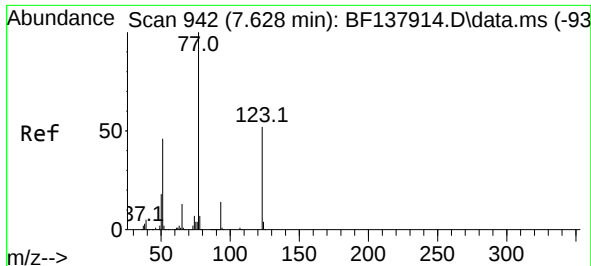
Tgt Ion:105 Resp: 363022
Ion Ratio Lower Upper
105 100
71 0.1 5.7 8.5#
51 22.3 17.8 26.8
120 23.3 19.0 28.6



#23
Nitrobenzene-d5
Concen: 99.790 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion: 82 Resp: 530652
Ion Ratio Lower Upper
82 100
128 50.6 40.3 60.5
54 46.2 36.8 55.2

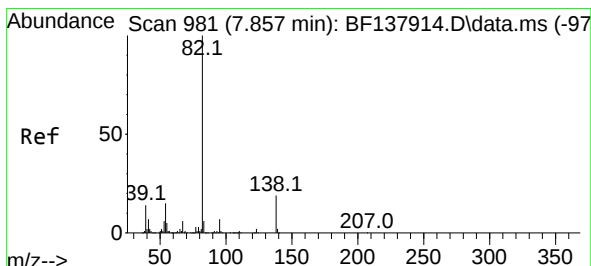
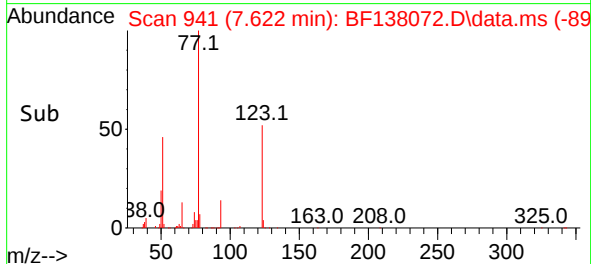
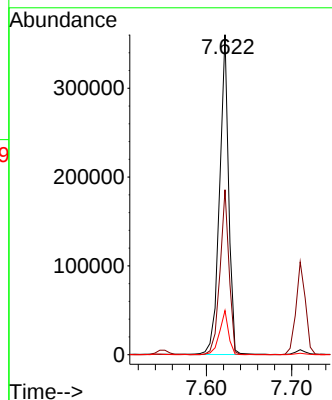
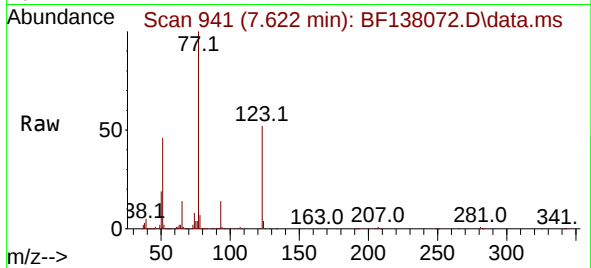




#24
Nitrobenzene
Concen: 50.000 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

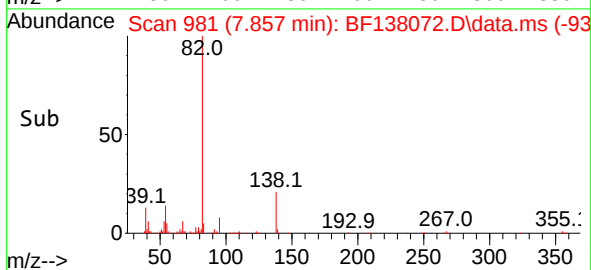
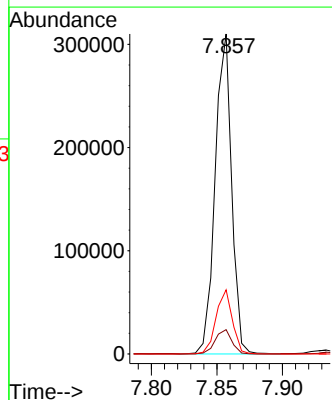
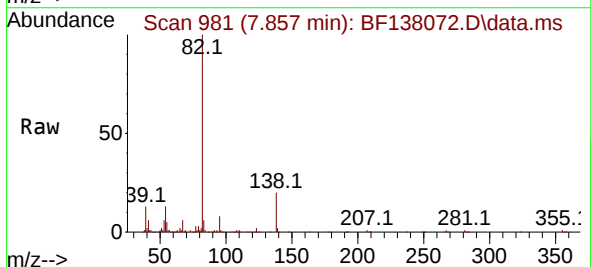
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

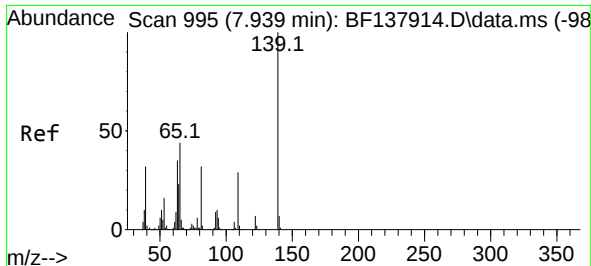
Tgt Ion: 77 Resp: 269731
Ion Ratio Lower Upper
77 100
123 51.6 41.4 62.2
65 13.8 10.5 15.7



#25
Isophorone
Concen: 29.312 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion: 82 Resp: 270531
Ion Ratio Lower Upper
82 100
95 7.6 6.0 9.0
138 20.1 15.0 22.4

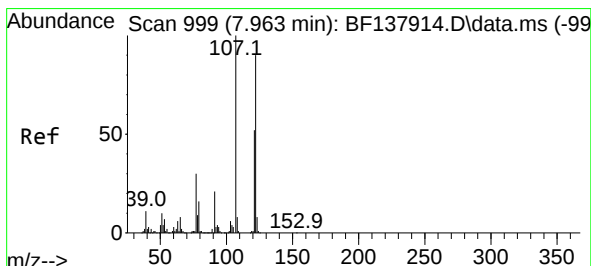
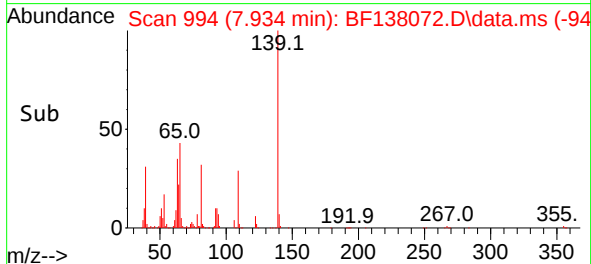
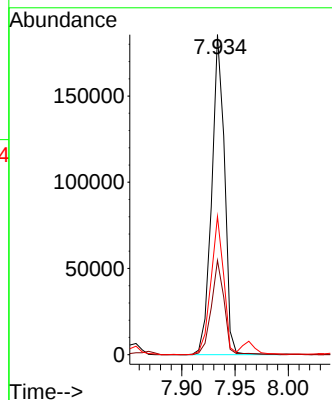
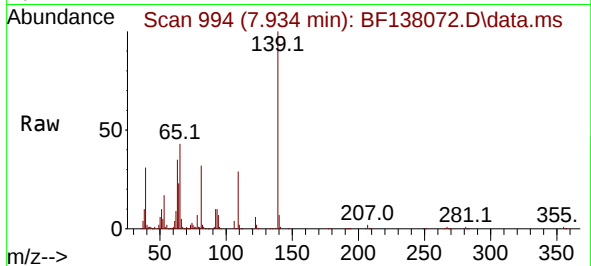




#26
2-Nitrophenol
Concen: 57.206 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

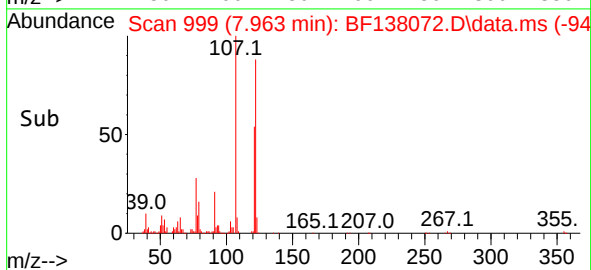
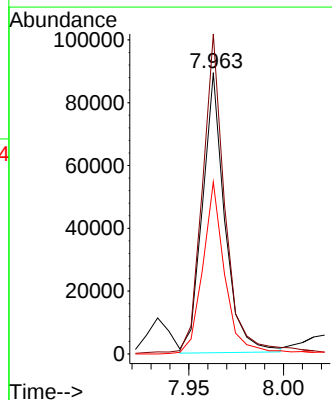
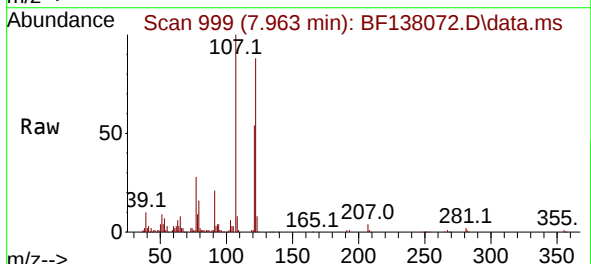
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

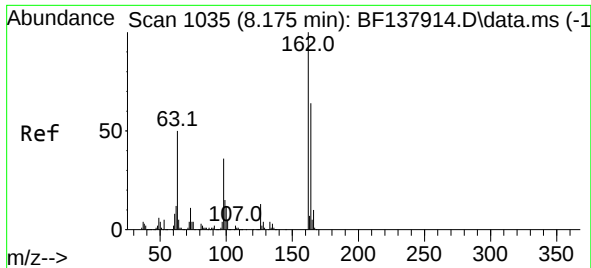
Tgt Ion:139 Resp: 155063
Ion Ratio Lower Upper
139 100
109 29.4 22.8 34.2
65 43.2 35.2 52.8



#27
2,4-Dimethylphenol
Concen: 20.970 ng
RT: 7.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:122 Resp: 73183
Ion Ratio Lower Upper
122 100
107 113.8 89.0 133.4
121 61.2 46.2 69.4





#29

2,4-Dichlorophenol

Concen: 54.571 ng

RT: 8.181 min Scan# 1036

Delta R.T. 0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

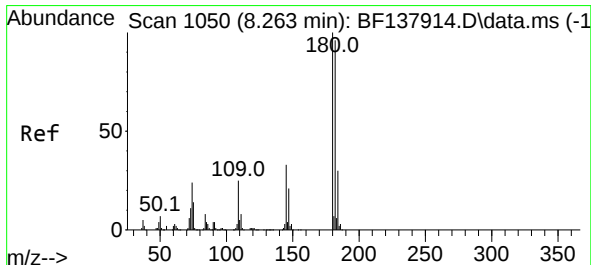
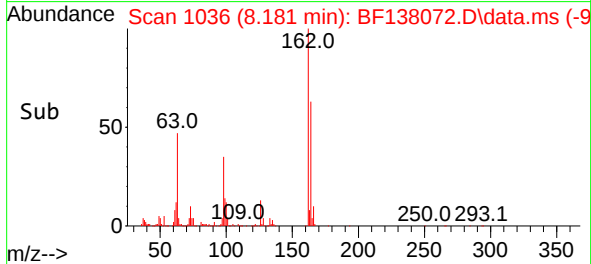
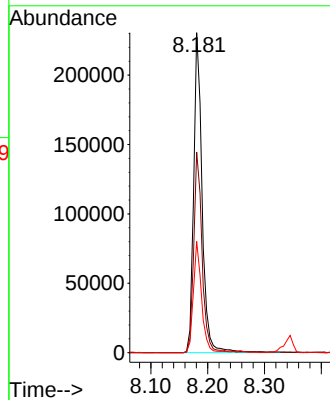
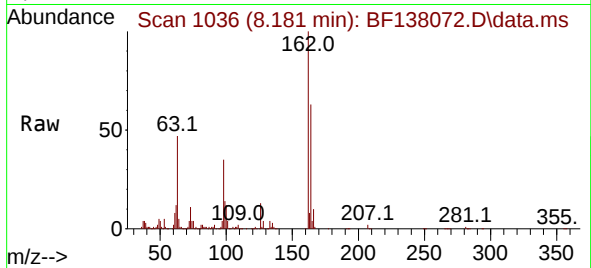
Tgt Ion:162 Resp: 239486

Ion Ratio Lower Upper

162 100

164 62.7 44.3 84.3

98 34.7 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 51.725 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

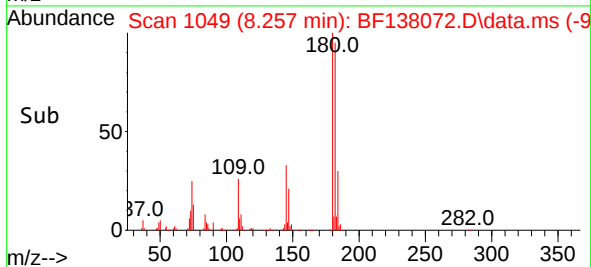
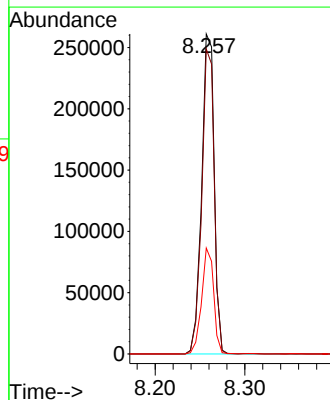
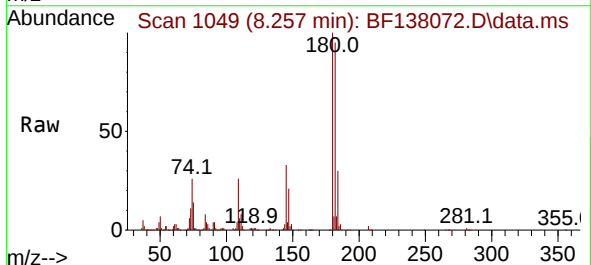
Tgt Ion:180 Resp: 253446

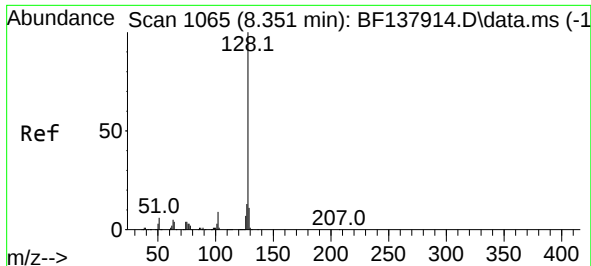
Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 33.1 26.2 39.2

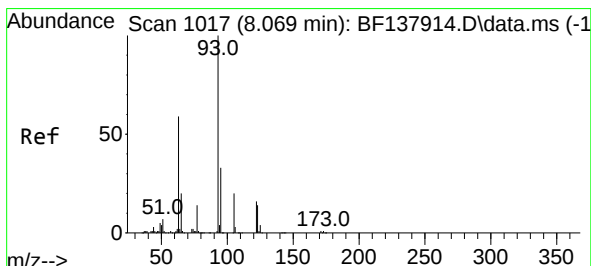
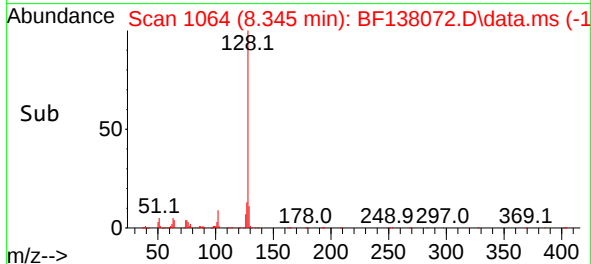
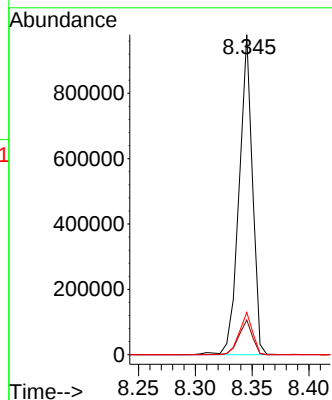
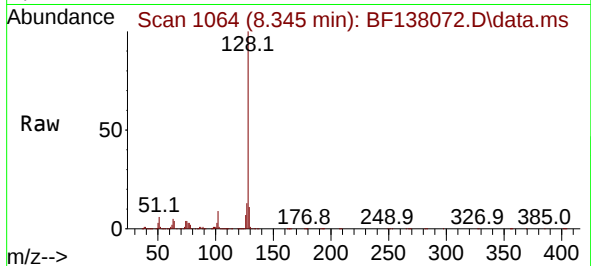




#31
Naphthalene
Concen: 50.667 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

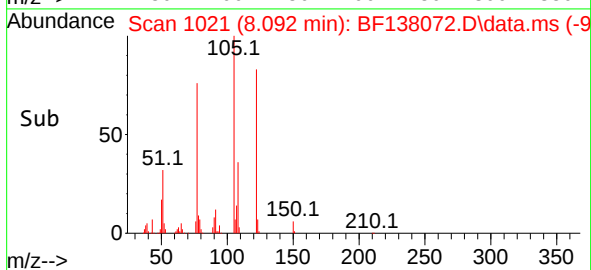
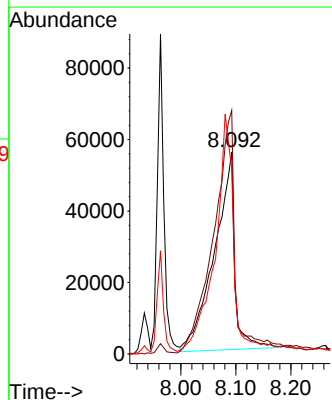
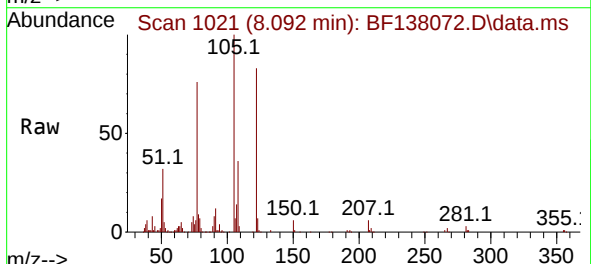
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

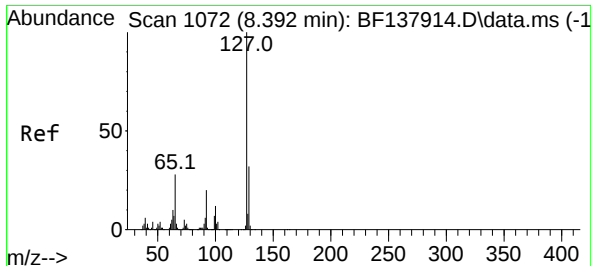
Tgt Ion:128 Resp: 797249
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 48.336 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.023 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:122 Resp: 142596
Ion Ratio Lower Upper
122 100
105 120.6 103.8 143.8
77 91.7 68.4 108.4

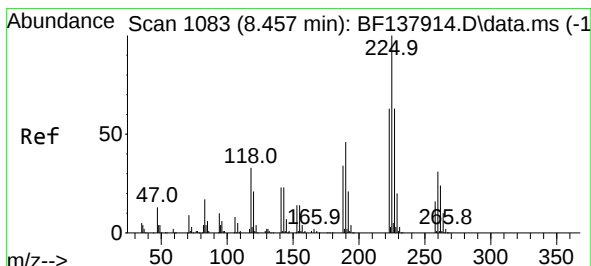
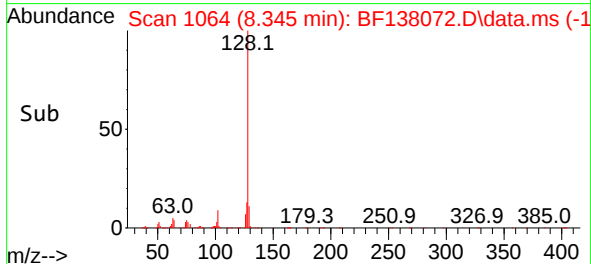
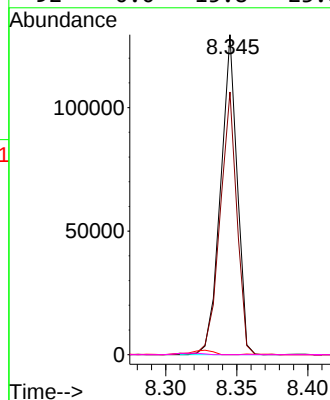
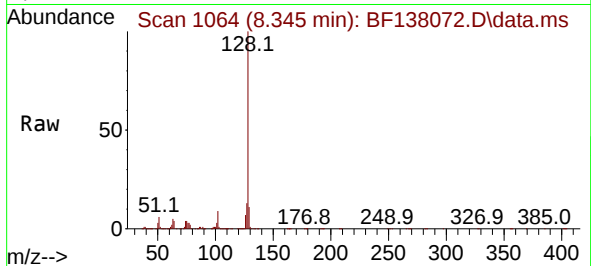




#33
4-Chloroaniline
Concen: 20.345 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.047 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

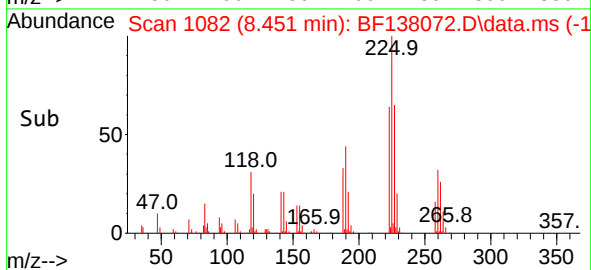
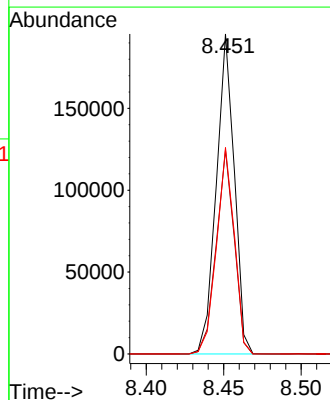
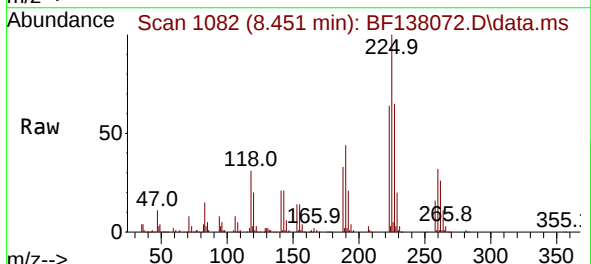
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

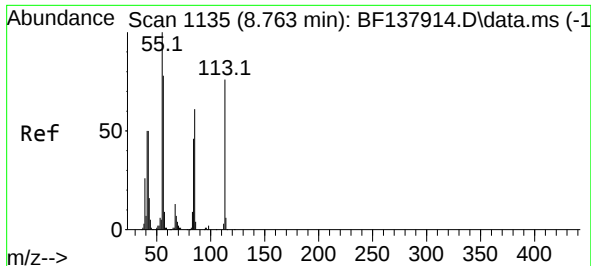
Tgt Ion:	127	Resp:	104946
Ion	Ratio	Lower	Upper
127	100		
129	82.1	25.4	38.2#
65	0.0	22.0	33.0#
92	0.0	15.8	23.8#



#34
Hexachlorobutadiene
Concen: 50.954 ng
RT: 8.451 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

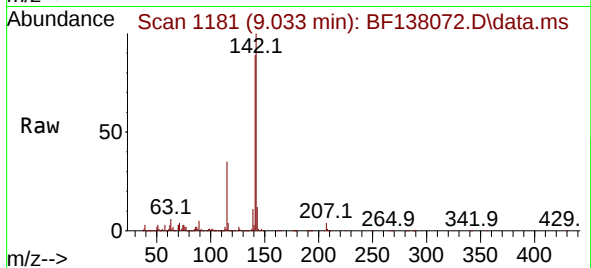
Tgt Ion:	225	Resp:	158029
Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.0	75.0
227	64.5	50.2	75.4



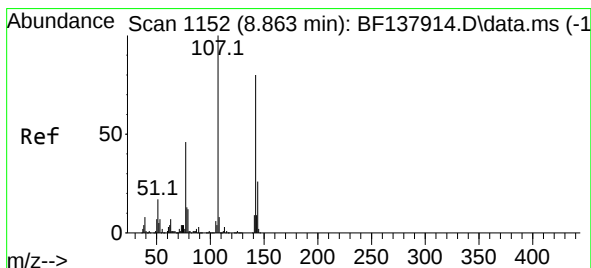
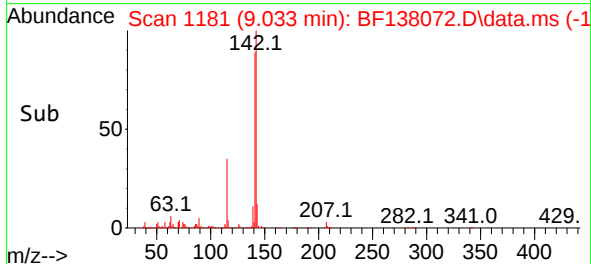
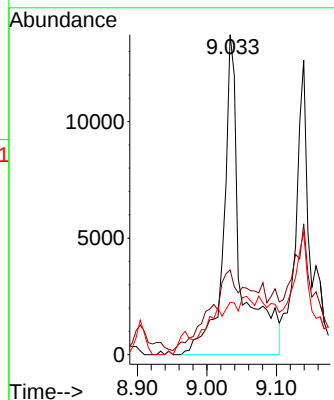


#35
Caprolactam
Concen: 18.800 ng m
RT: 9.033 min Scan# 1135
Delta R.T. 0.271 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

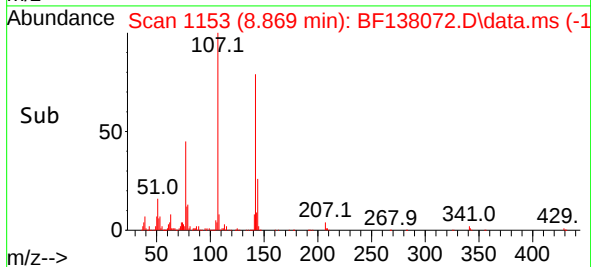
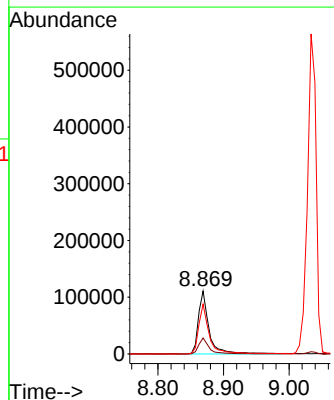
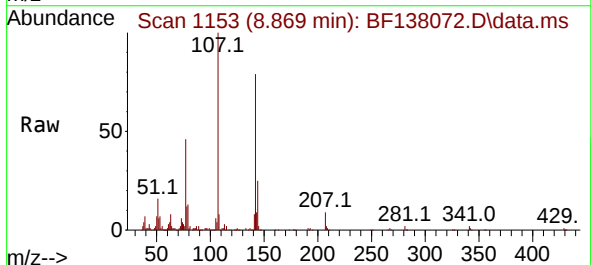


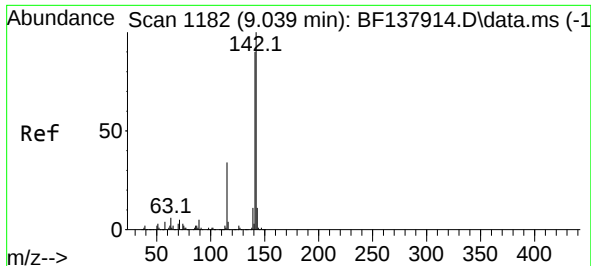
Tgt Ion:113 Resp: 23903
Ion Ratio Lower Upper
113 100
55 26.5 112.3 152.3#
56 16.3 82.7 122.7#



#36
4-Chloro-3-methylphenol
Concen: 28.239 ng
RT: 8.869 min Scan# 1153
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:107 Resp: 126068
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.3 64.0 96.0





#37

2-Methylnaphthalene

Concen: 50.792 ng

RT: 9.033 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

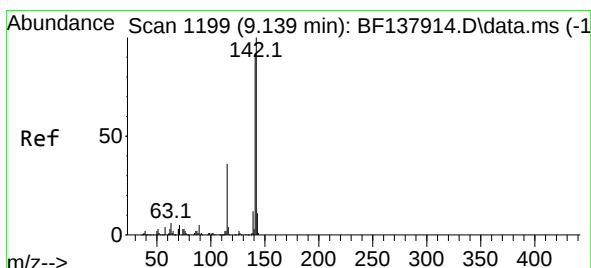
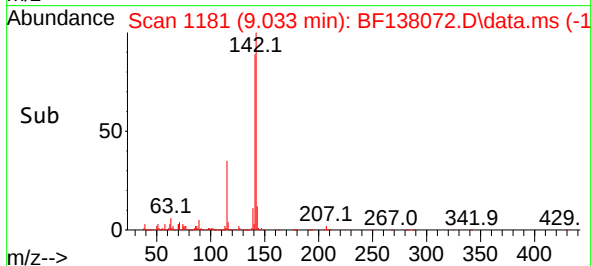
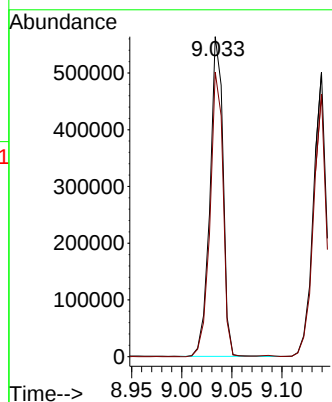
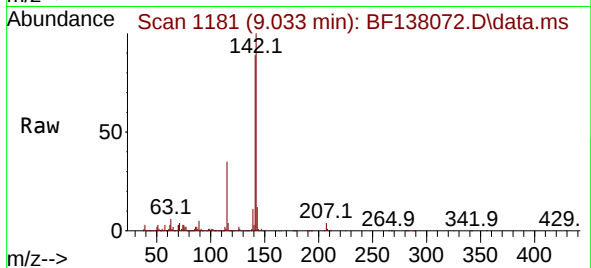
VNJ-203MSD

Tgt Ion:142 Resp: 513741

Ion Ratio Lower Upper

142 100

141 89.0 72.0 108.0



#38

1-Methylnaphthalene

Concen: 49.185 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF138072.D

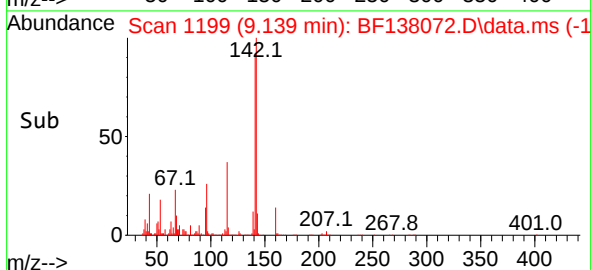
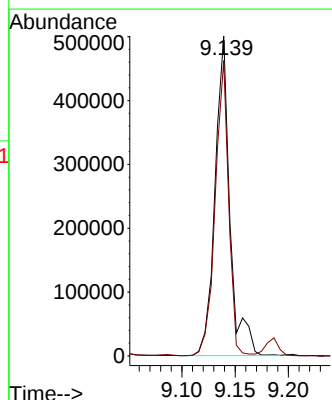
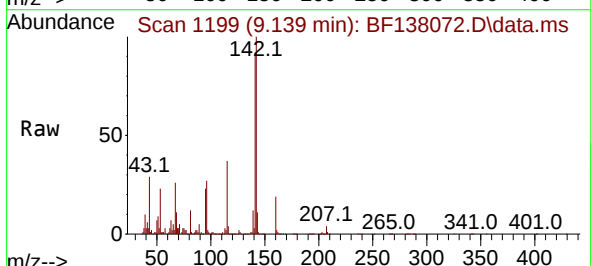
Acq: 30 May 2024 13:31

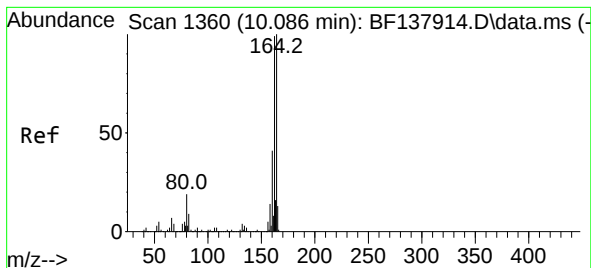
Tgt Ion:142 Resp: 489078

Ion Ratio Lower Upper

142 100

141 92.3 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

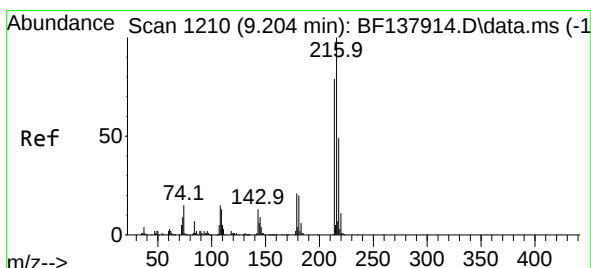
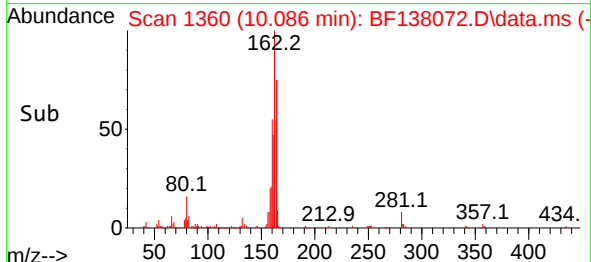
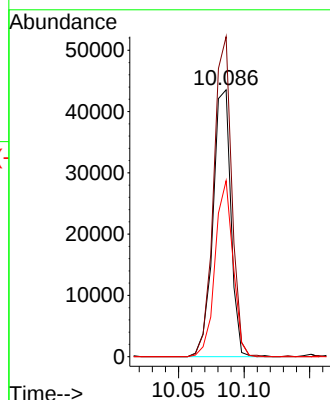
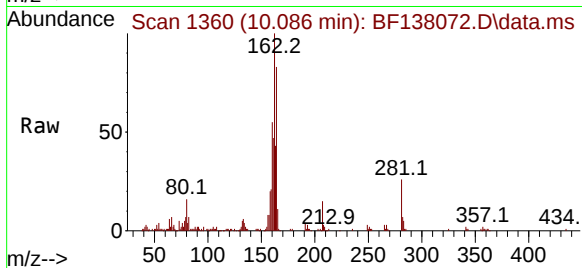
Tgt Ion:164 Resp: 41339

Ion Ratio Lower Upper

164 100

162 119.9 79.4 119.2#

160 65.9 33.1 49.7#



#40

1,2,4,5-Tetrachlorobenzene

Concen: 238.368 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Tgt Ion:216 Resp: 267891

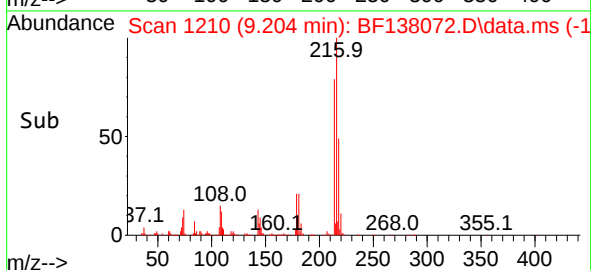
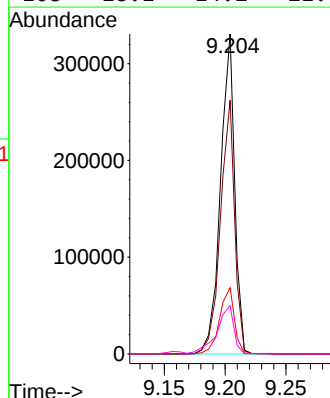
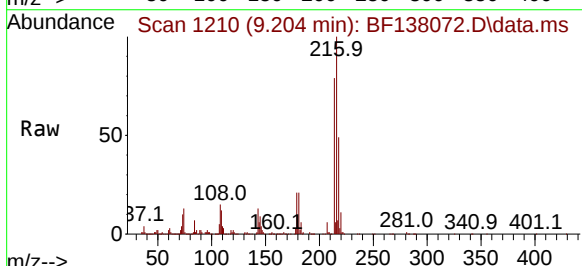
Ion Ratio Lower Upper

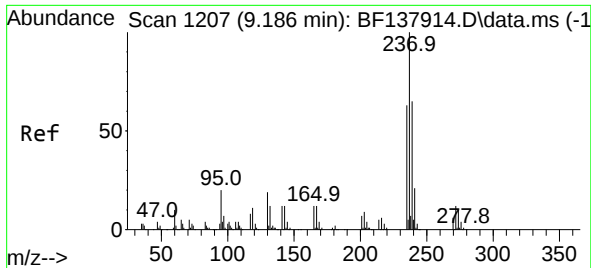
216 100

214 79.7 63.4 95.2

179 21.5 17.0 25.4

108 18.1 14.2 21.4

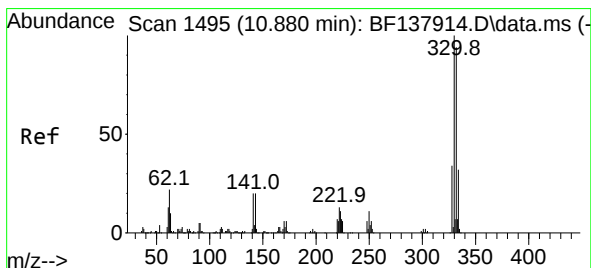
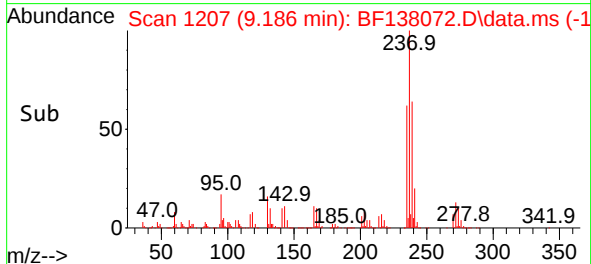
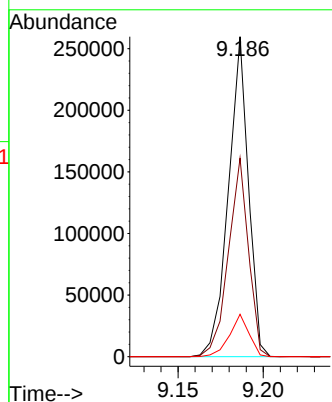
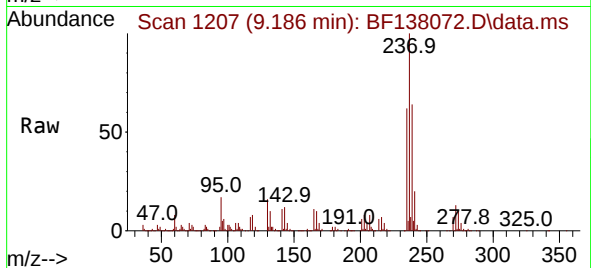




#41
Hexachlorocyclopentadiene
Concen: 497.962 ng
RT: 9.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

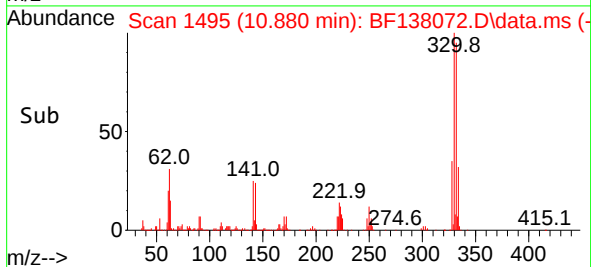
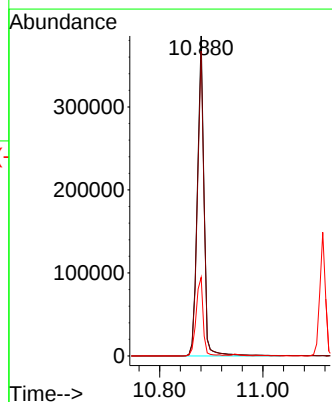
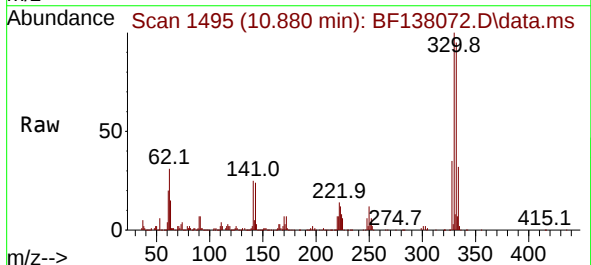
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

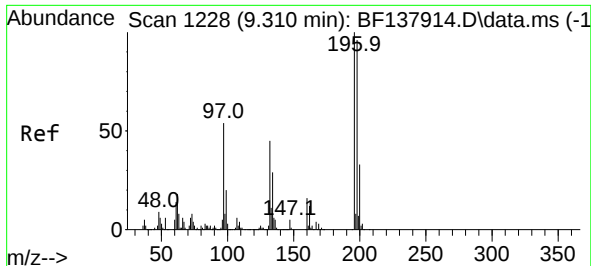
Tgt Ion:237 Resp: 212647
Ion Ratio Lower Upper
237 100
235 62.1 42.8 82.8
272 13.3 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 826.963 ng
RT: 10.880 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:330 Resp: 344695
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.8
141 26.2 23.8 35.6

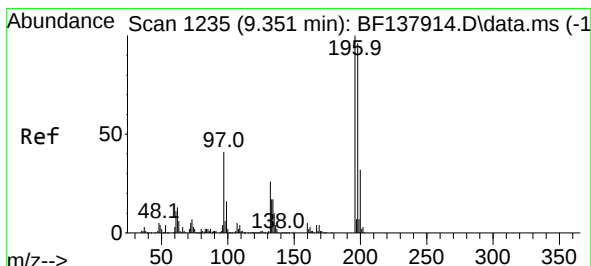
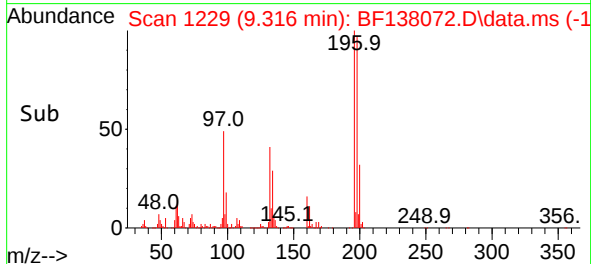
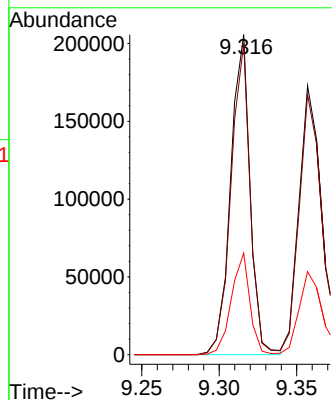
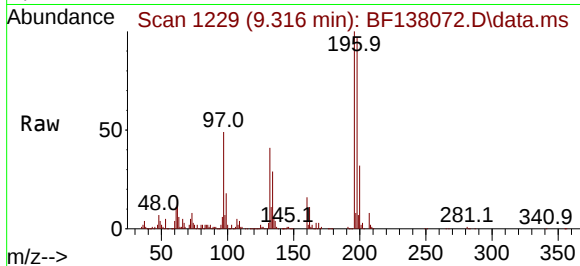




#43
2,4,6-Trichlorophenol
Concen: 243.632 ng
RT: 9.316 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

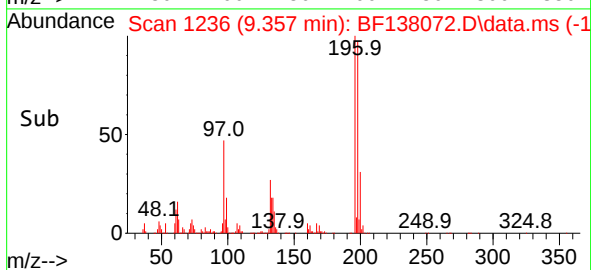
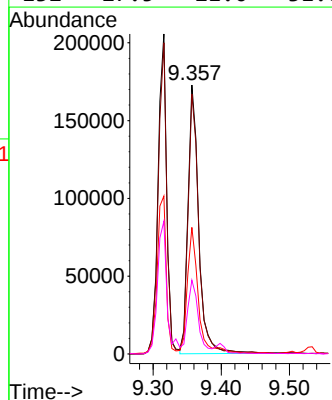
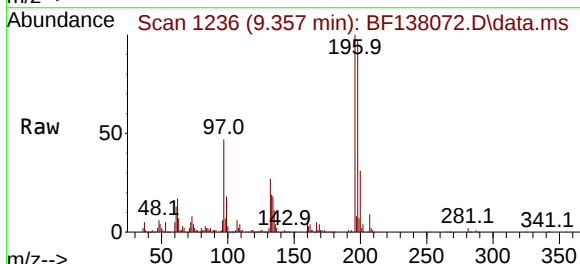
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

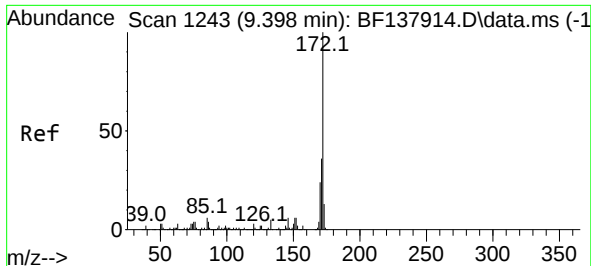
Tgt Ion:196 Resp: 179526
Ion Ratio Lower Upper
196 100
198 97.2 77.0 115.4
200 31.8 26.2 39.2



#44
2,4,5-Trichlorophenol
Concen: 233.760 ng
RT: 9.357 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:196 Resp: 188474
Ion Ratio Lower Upper
196 100
198 96.7 77.4 116.0
97 47.1 32.9 49.3
132 27.5 21.0 31.6

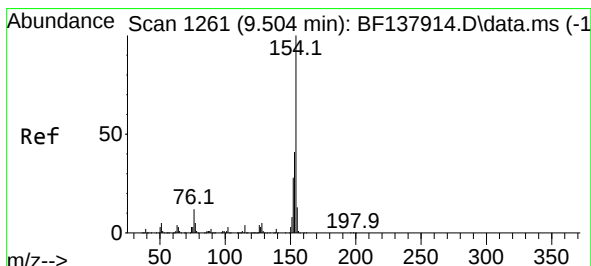
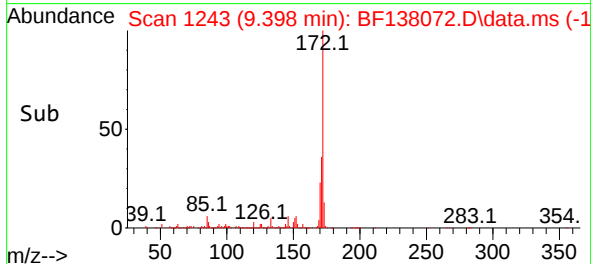
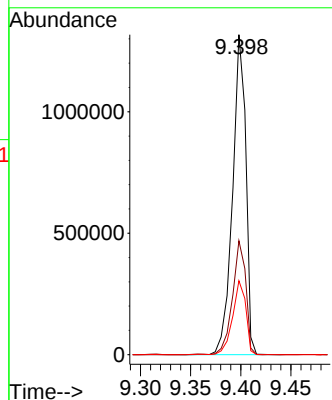
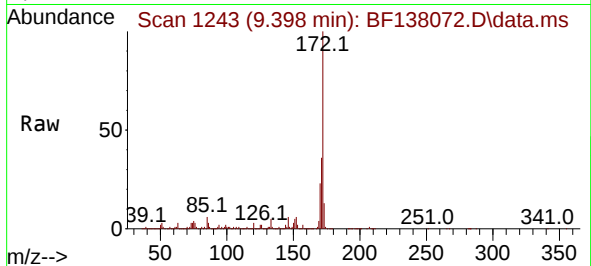




#45
2-Fluorobiphenyl
Concen: 449.658 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

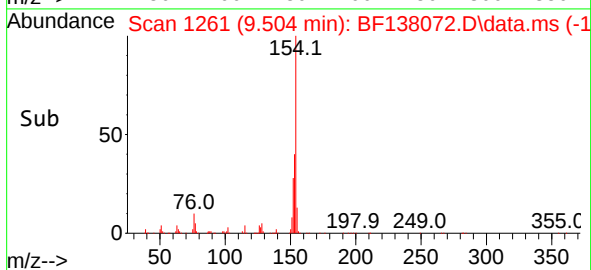
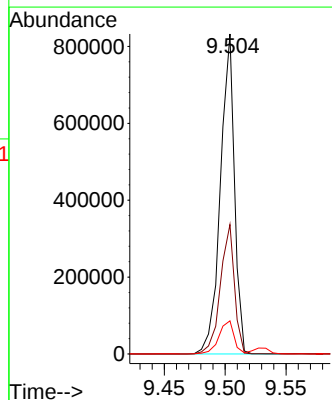
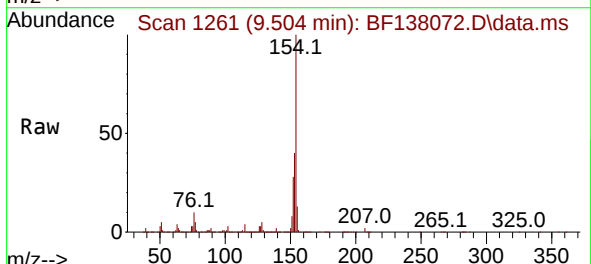
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

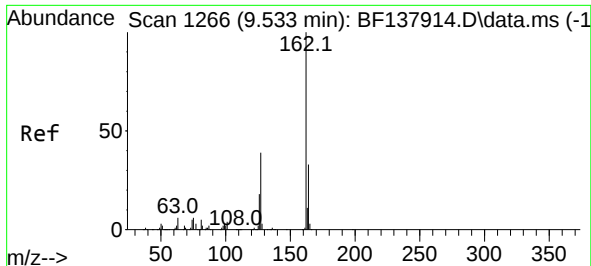
Tgt Ion:172 Resp: 1206736
Ion Ratio Lower Upper
172 100
171 35.6 28.9 43.3
170 23.1 18.9 28.3



#46
1,1'-Biphenyl
Concen: 231.679 ng
RT: 9.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:154 Resp: 671747
Ion Ratio Lower Upper
154 100
153 40.5 21.3 61.3
76 10.4 0.0 31.9

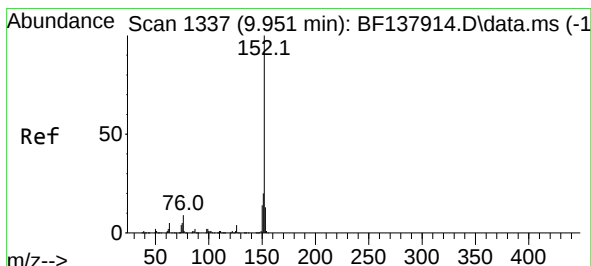
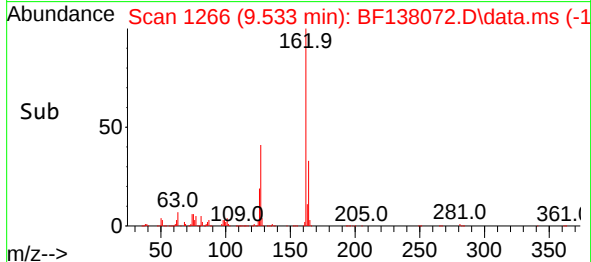
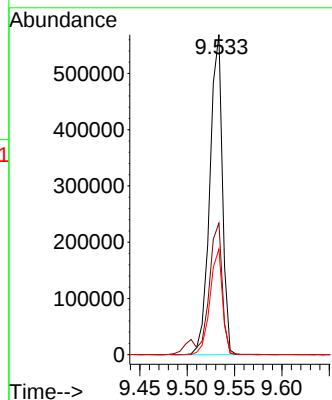
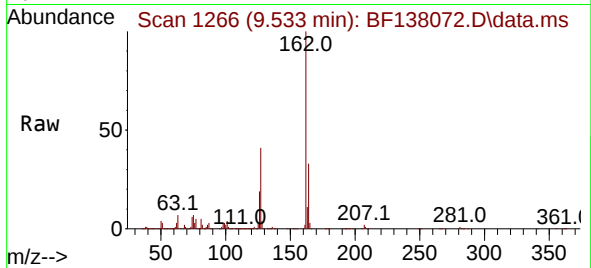




#47
2-Chloronaphthalene
Concen: 226.665 ng
RT: 9.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

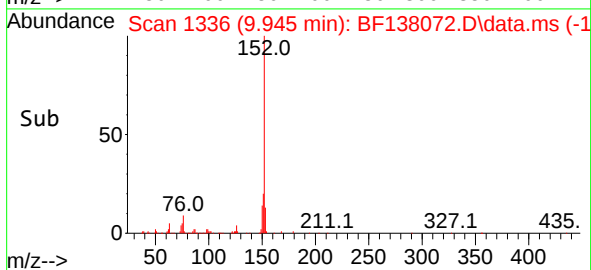
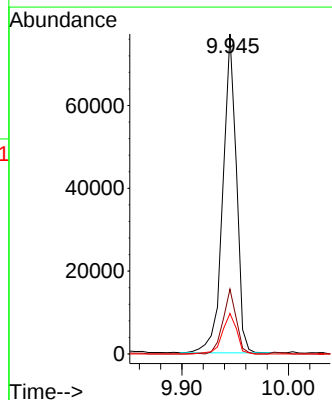
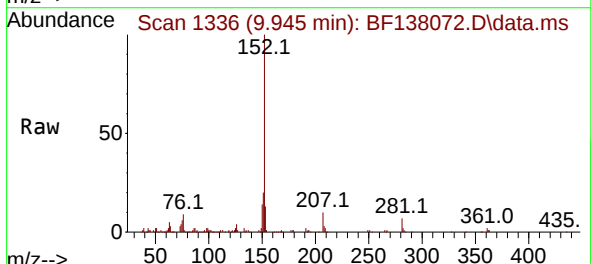
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

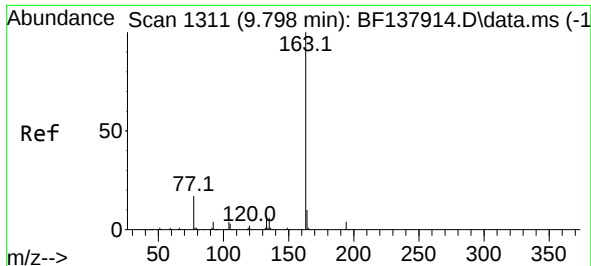
Tgt Ion:162 Resp: 524625
Ion Ratio Lower Upper
162 100
127 41.1 32.0 48.0
164 33.0 26.2 39.4



#49
Acenaphthylene
Concen: 20.329 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:152 Resp: 67654
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 12.6 10.2 15.4

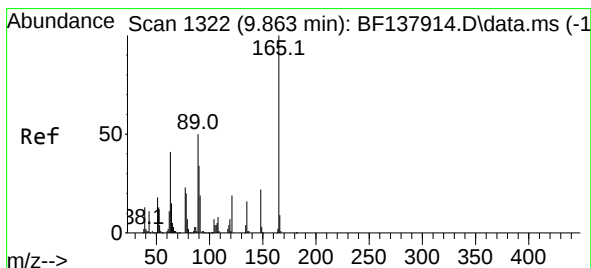
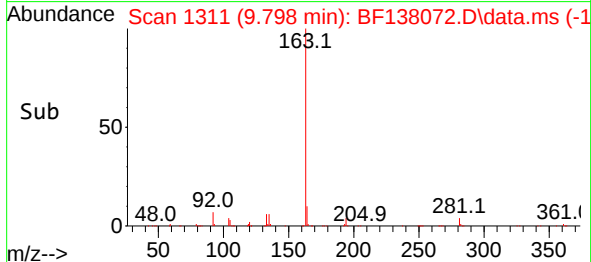
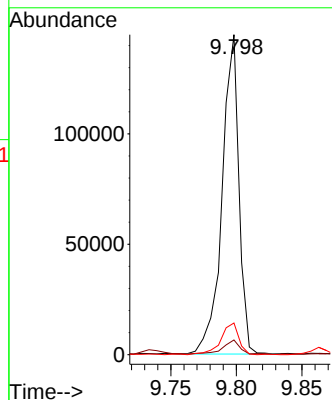
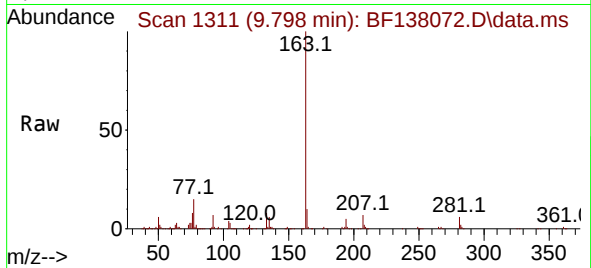




#50
Dimethylphthalate
Concen: 49.764 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

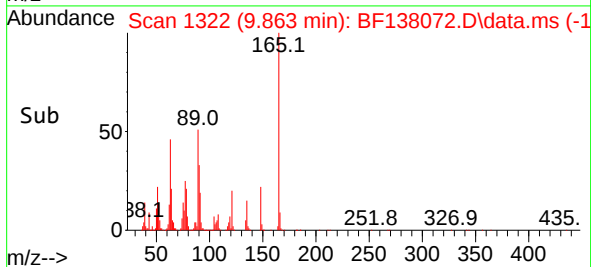
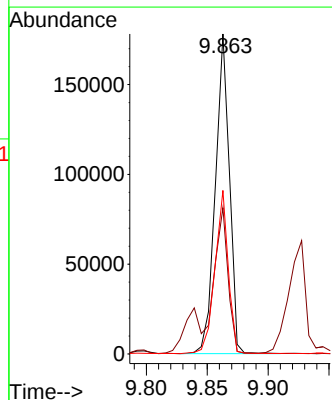
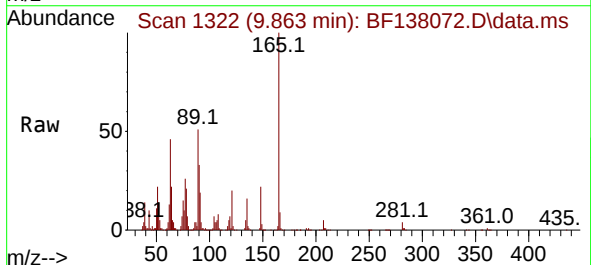
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

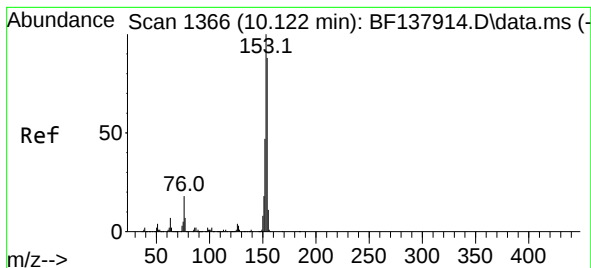
Tgt Ion:163 Resp: 129002
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.0
164 9.9 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 240.085 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:165 Resp: 142842
Ion Ratio Lower Upper
165 100
63 45.7 38.9 58.3
89 51.1 40.4 60.6





#52

Acenaphthene

Concen: 114.902 ng m

RT: 10.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

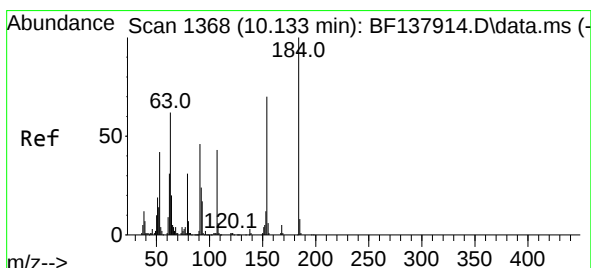
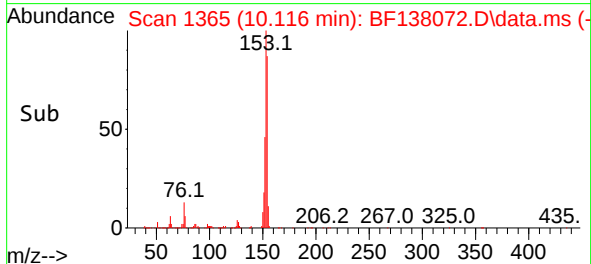
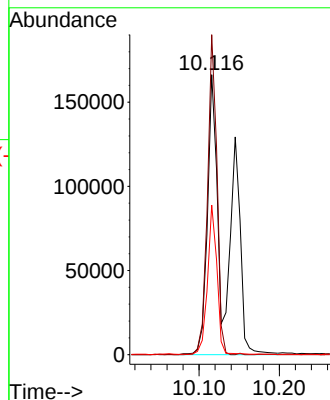
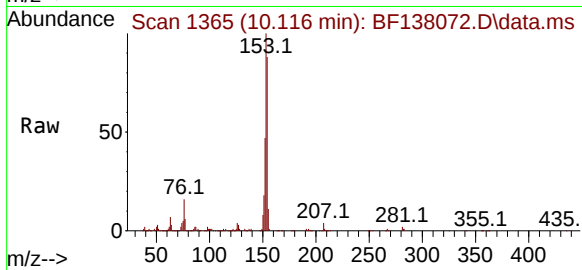
Tgt Ion:154 Resp: 252741

Ion Ratio Lower Upper

154 100

153 114.3 90.4 135.6

152 53.4 42.3 63.5



#54

2,4-Dinitrophenol

Concen: 523.296 ng

RT: 10.145 min Scan# 1370

Delta R.T. 0.012 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

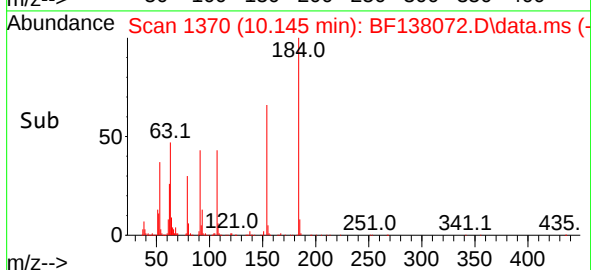
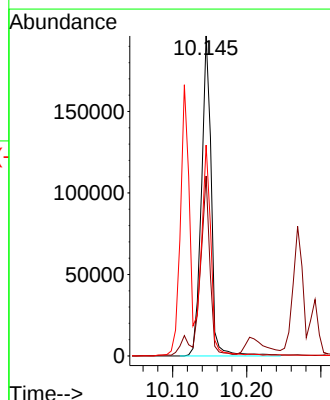
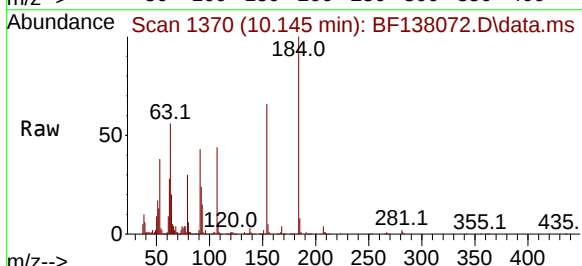
Tgt Ion:184 Resp: 181794

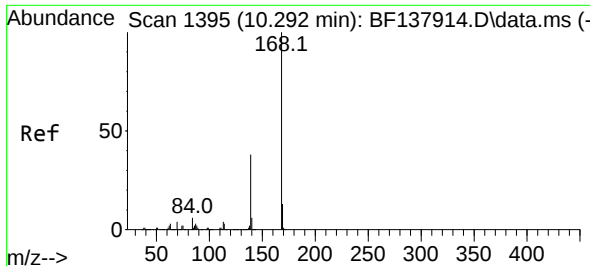
Ion Ratio Lower Upper

184 100

63 56.2 50.4 75.6

154 65.9 63.7 95.5

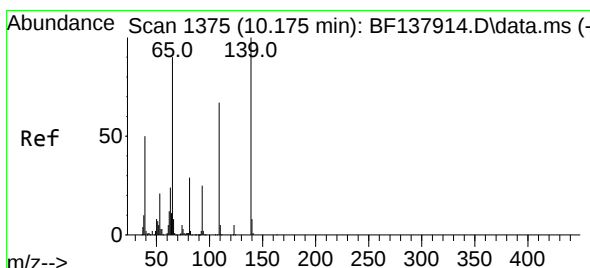
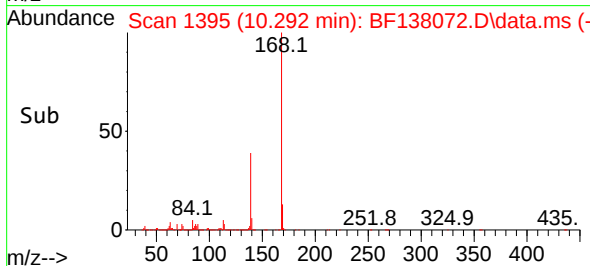
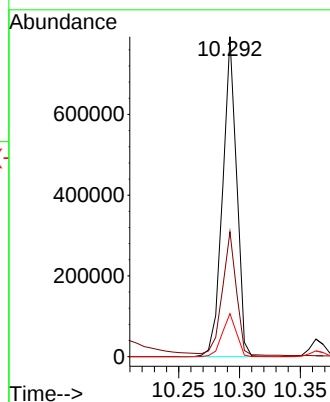
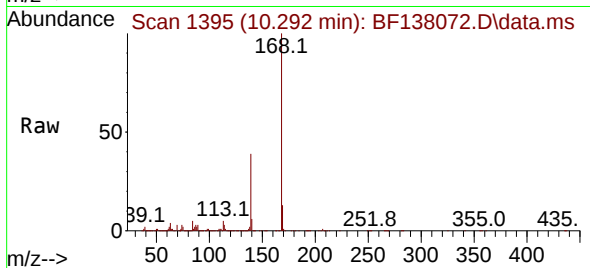




#55
Dibenzenofuran
Concen: 198.874 ng
RT: 10.292 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

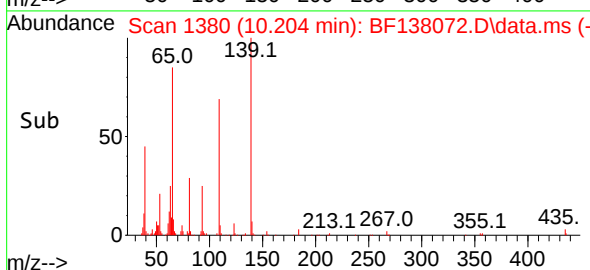
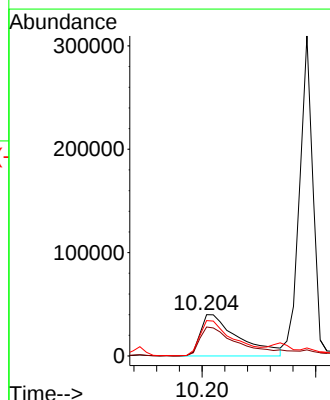
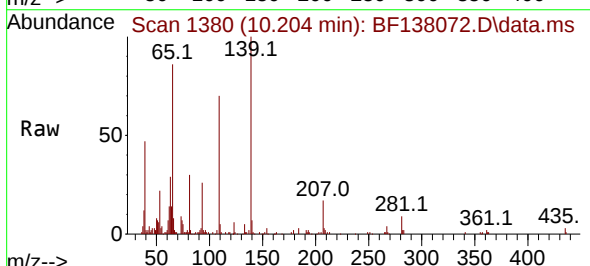
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

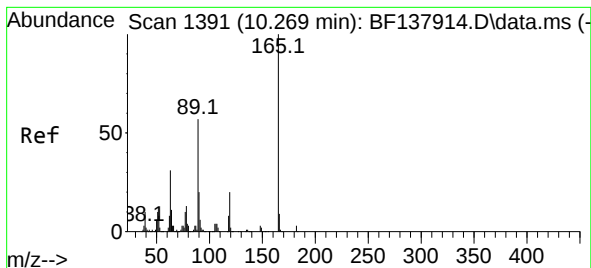
Tgt Ion:168 Resp: 636638
Ion Ratio Lower Upper
168 100
139 39.1 30.4 45.6
169 13.5 10.5 15.7



#56
4-Nitrophenol
Concen: 222.004 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.029 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:139 Resp: 92743
Ion Ratio Lower Upper
139 100
109 69.9 46.5 86.5
65 85.7 70.4 110.4

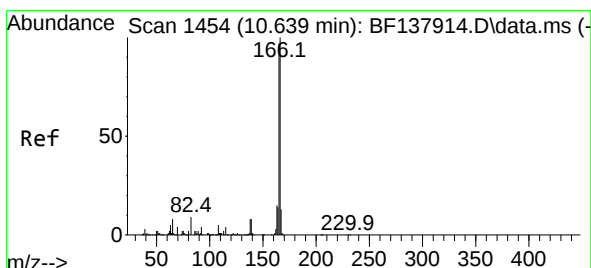
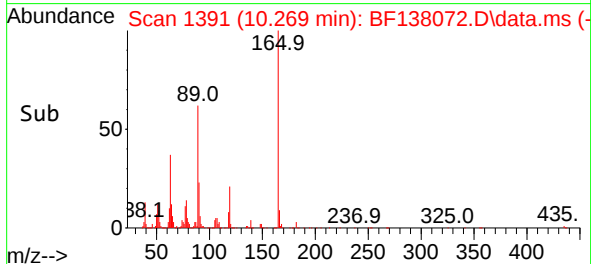
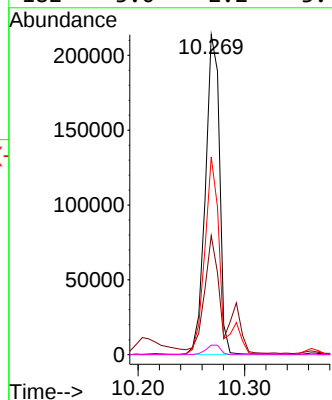
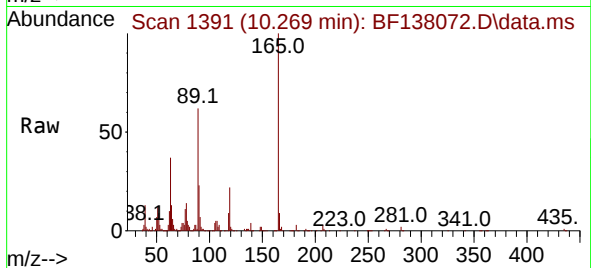




#57
2,4-Dinitrotoluene
Concen: 256.643 ng
RT: 10.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

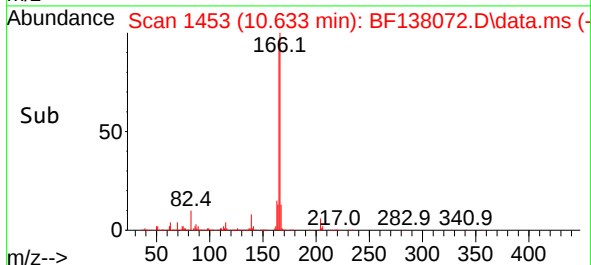
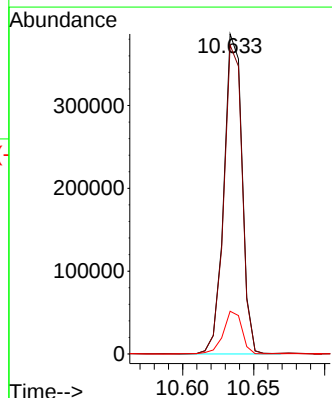
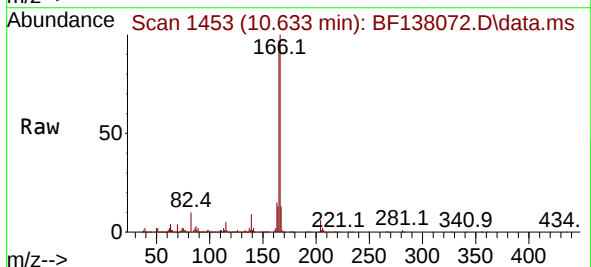
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

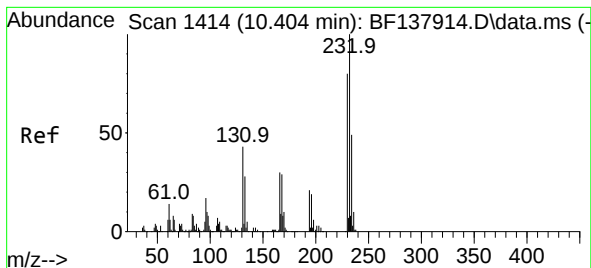
Tgt Ion:165 Resp: 197398
Ion Ratio Lower Upper
165 100
63 37.2 25.3 37.9
89 61.8 45.9 68.9
182 3.0 2.2 3.4



#58
Fluorene
Concen: 135.893 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:166 Resp: 344086
Ion Ratio Lower Upper
166 100
165 96.5 77.8 116.8
167 13.4 10.4 15.6

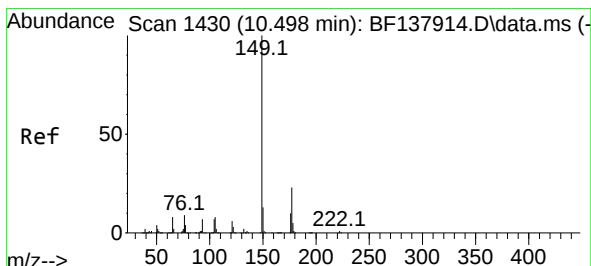
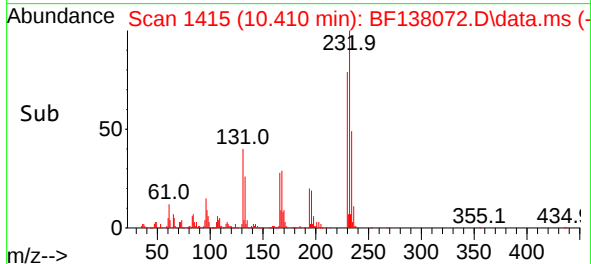
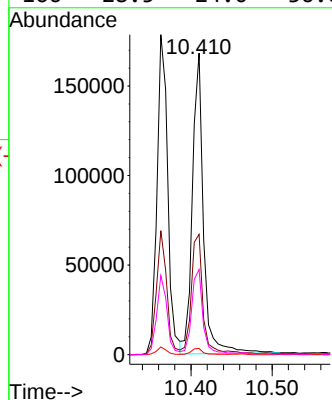
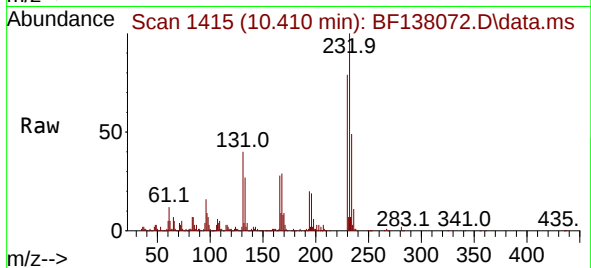




#59
2,3,4,6-Tetrachlorophenol
Concen: 252.566 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

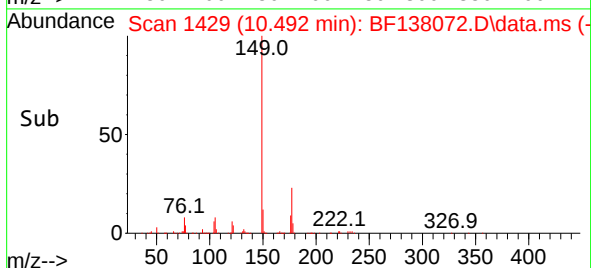
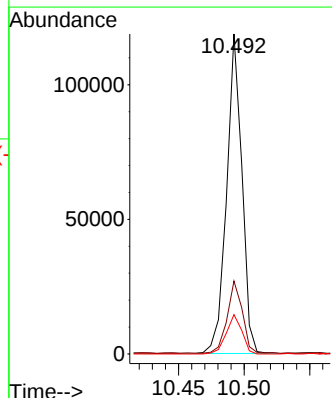
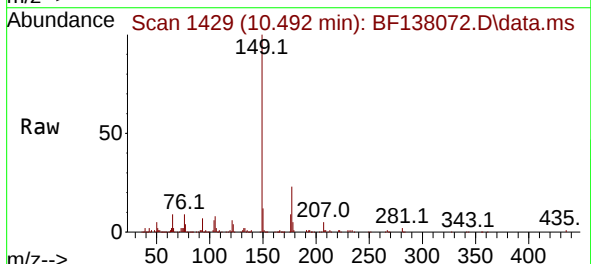
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

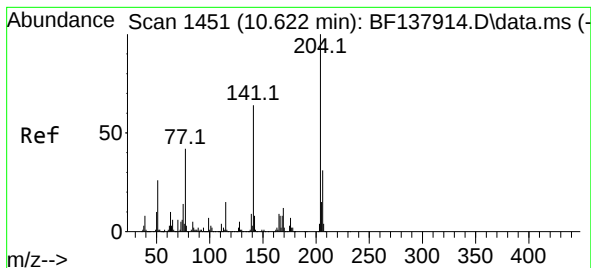
Tgt Ion:232 Resp: 159974
Ion Ratio Lower Upper
232 100
131 41.6 34.4 51.6
130 2.4 1.7 2.5
166 28.5 24.0 36.0



#60
Diethylphthalate
Concen: 39.676 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:149 Resp: 96056
Ion Ratio Lower Upper
149 100
177 22.8 18.4 27.6
150 12.3 10.1 15.1

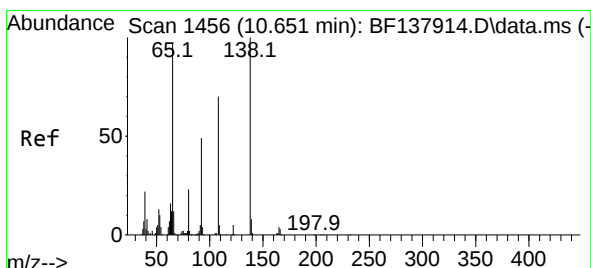
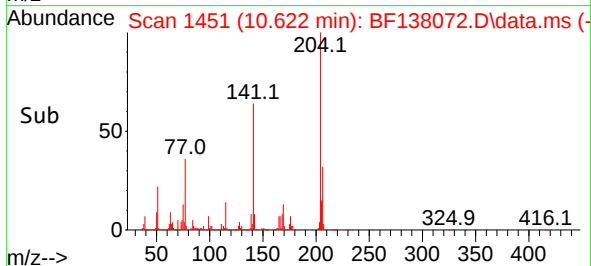
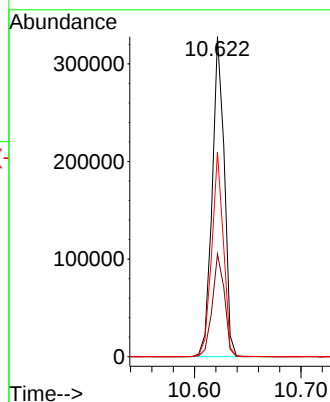
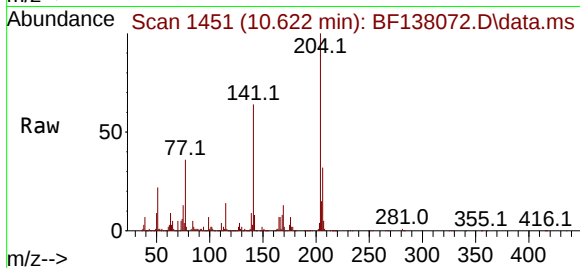




#61
4-Chlorophenyl-phenylether
Concen: 207.535 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

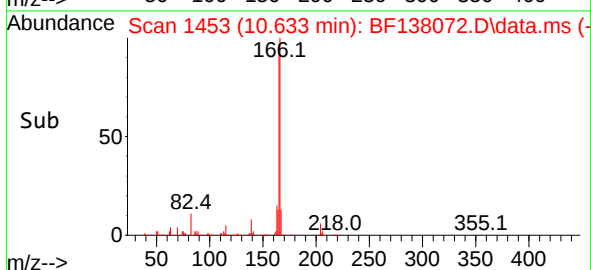
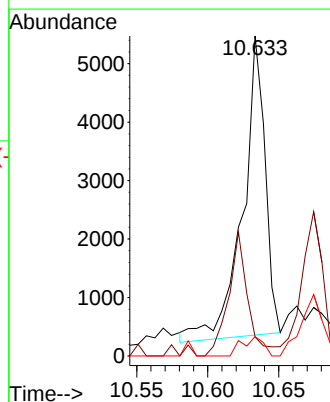
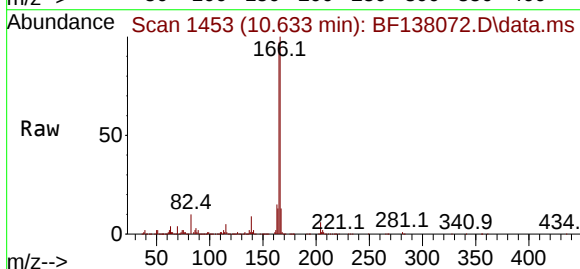
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

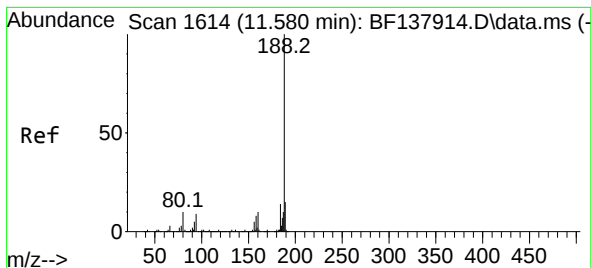
Tgt Ion:204 Resp: 259143
Ion Ratio Lower Upper
204 100
206 32.1 25.1 37.7
141 63.9 51.0 76.6



#62
4-Nitroaniline
Concen: 10.194 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:138 Resp: 5624
Ion Ratio Lower Upper
138 100
92 6.0 29.0 69.0#
108 6.1 49.7 89.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.580 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

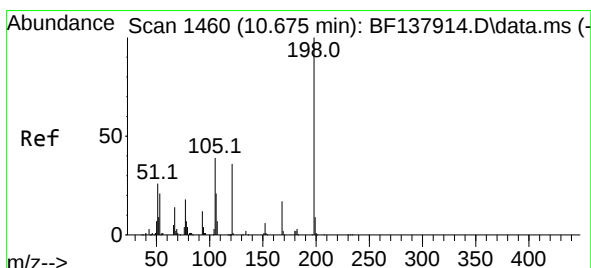
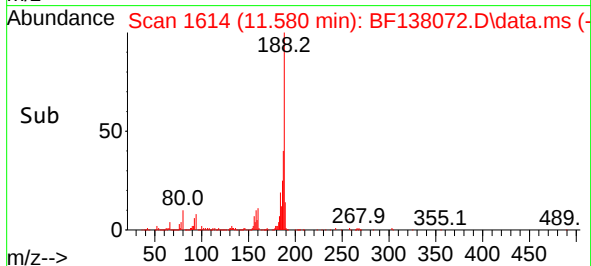
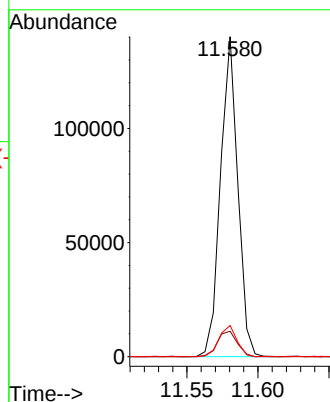
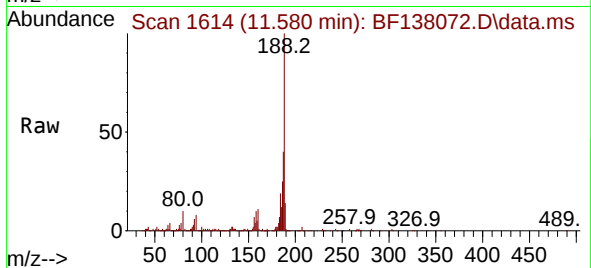
Tgt Ion:188 Resp: 118623

Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.4

80 9.7 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 173.708 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.001 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

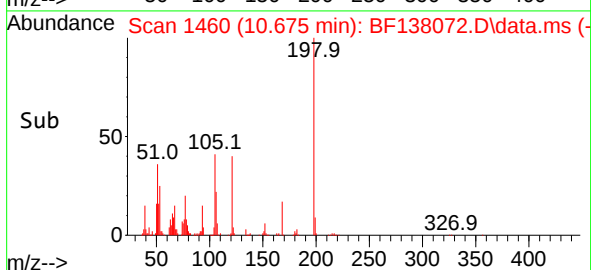
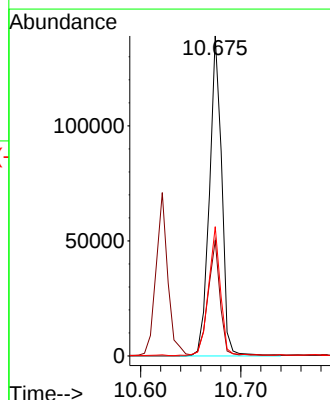
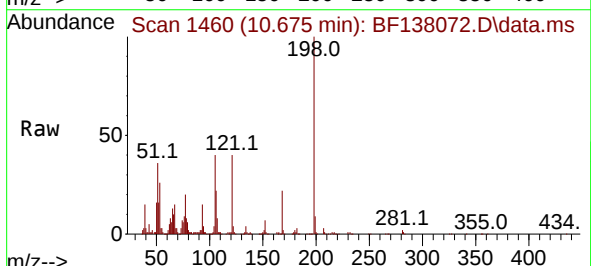
Tgt Ion:198 Resp: 118979

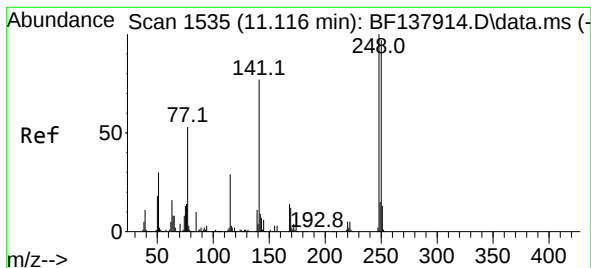
Ion Ratio Lower Upper

198 100

51 36.1 13.8 53.8

105 40.4 19.0 59.0

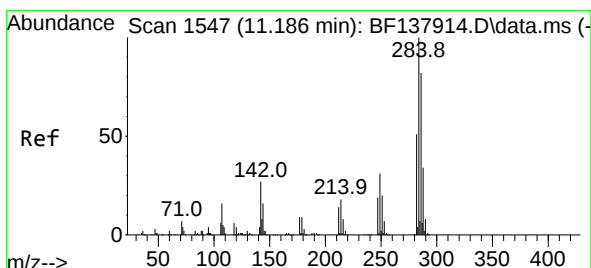
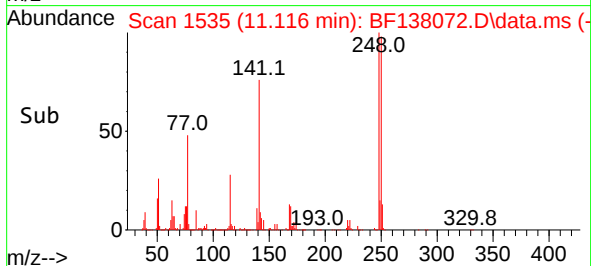
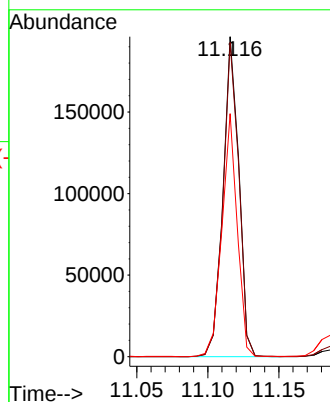
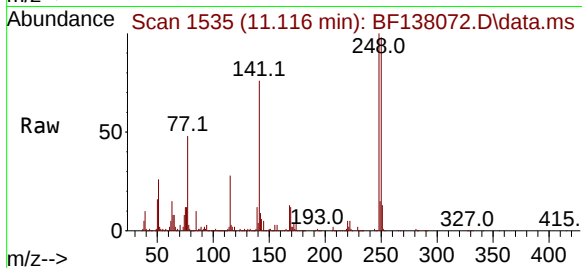




#67
4-Bromophenyl-phenylether
Concen: 116.531 ng
RT: 11.116 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

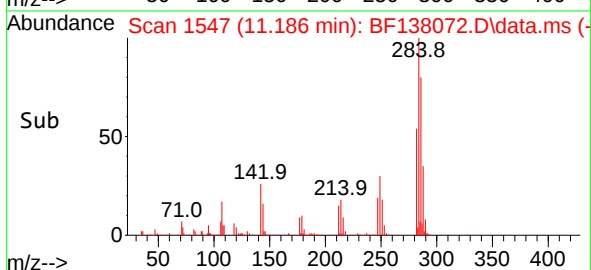
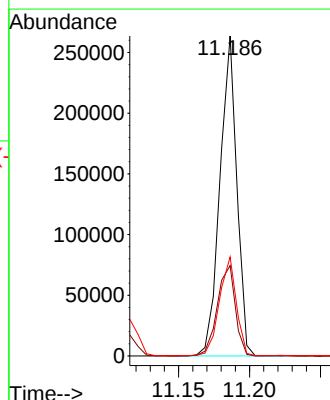
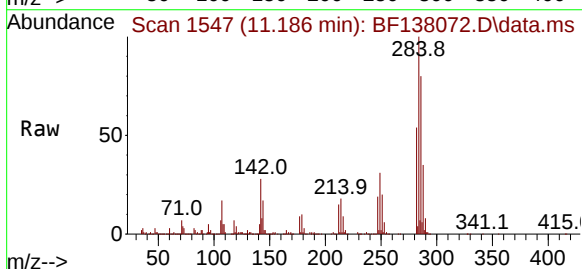
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

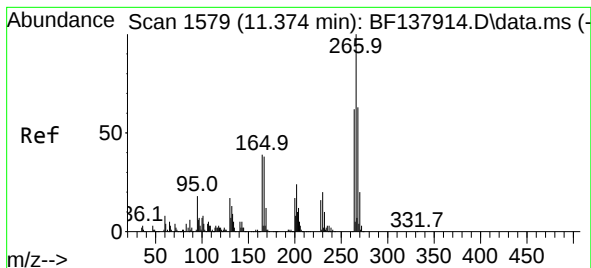
Tgt Ion:248 Resp: 151542
Ion Ratio Lower Upper
248 100
250 98.2 77.6 116.4
141 75.9 61.4 92.2



#68
Hexachlorobenzene
Concen: 151.264 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:284 Resp: 217441
Ion Ratio Lower Upper
284 100
142 28.2 21.3 31.9
249 31.0 24.6 37.0





#70

Pentachlorophenol

Concen: 283.738 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

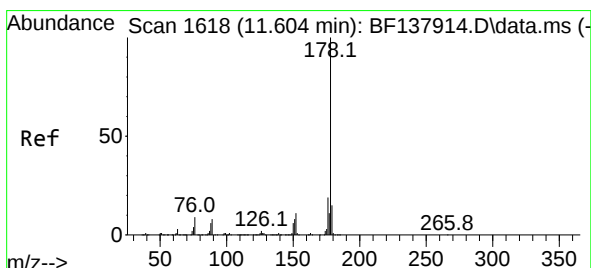
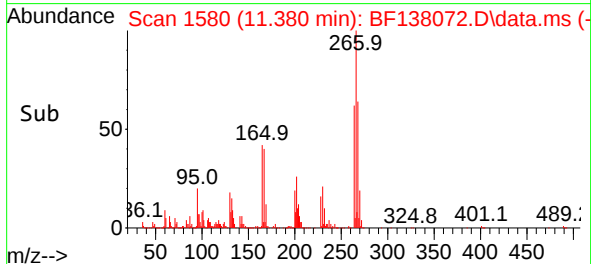
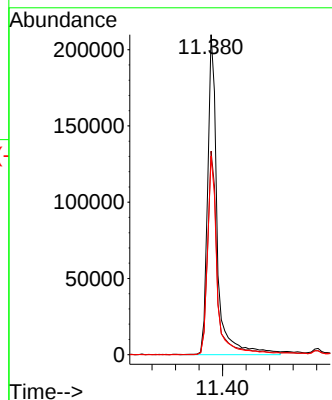
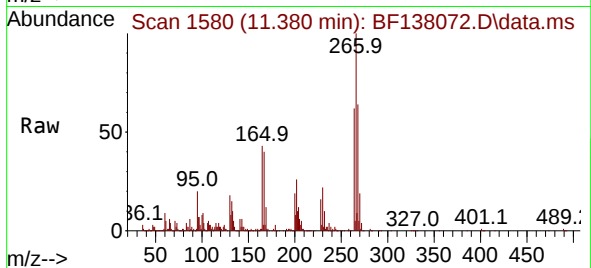
Tgt Ion:266 Resp: 238918

Ion Ratio Lower Upper

266 100

268 63.6 50.1 75.1

264 62.1 49.4 74.2



#71

Phenanthrene

Concen: 90.659 ng

RT: 11.604 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

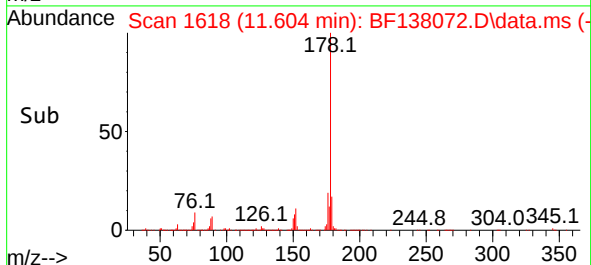
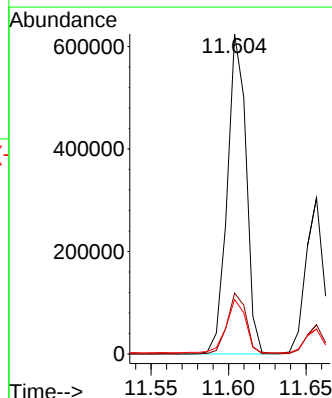
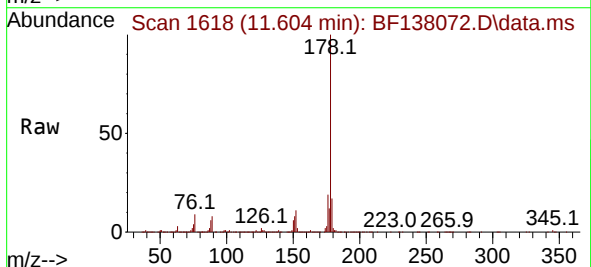
Tgt Ion:178 Resp: 529957

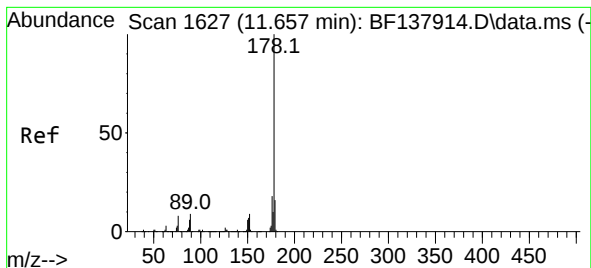
Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 17.1 12.2 18.4





#72

Anthracene

Concen: 42.043 ng

RT: 11.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

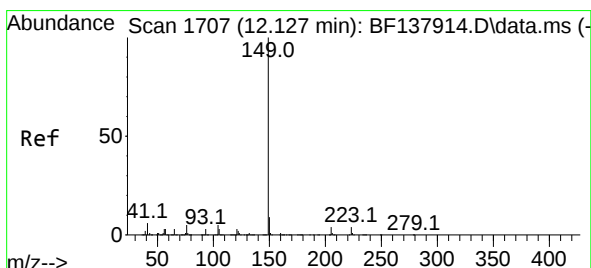
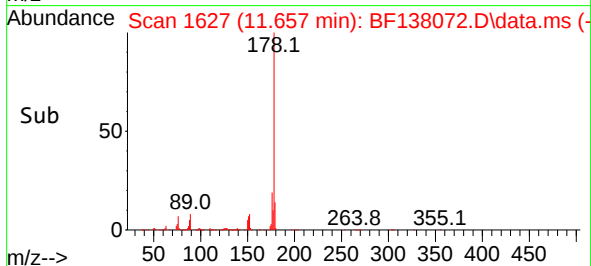
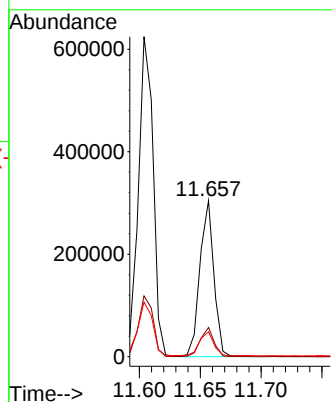
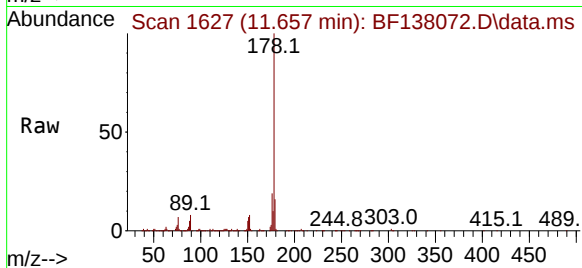
Tgt Ion:178 Resp: 243849

Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 16.0 12.4 18.6



#74

Di-n-butylphthalate

Concen: 14.492 ng

RT: 12.121 min Scan# 1706

Delta R.T. -0.006 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

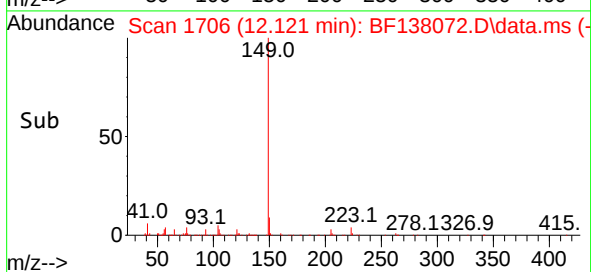
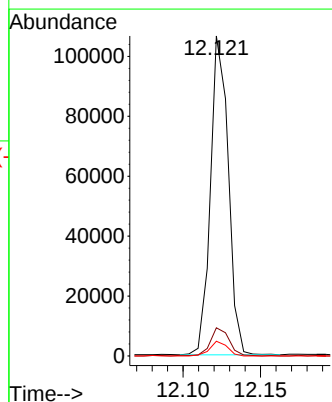
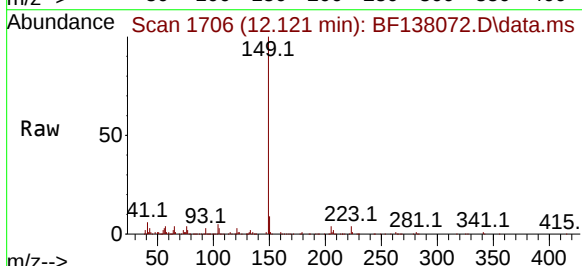
Tgt Ion:149 Resp: 85210

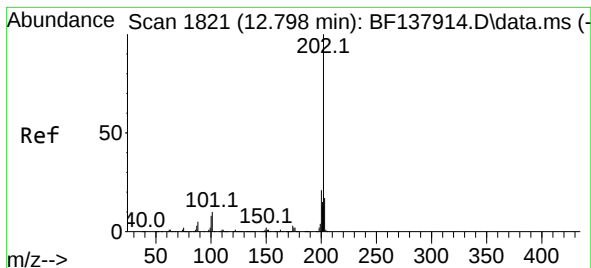
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 4.6 3.6 5.4





#75

Fluoranthene

Concen: 21.385 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

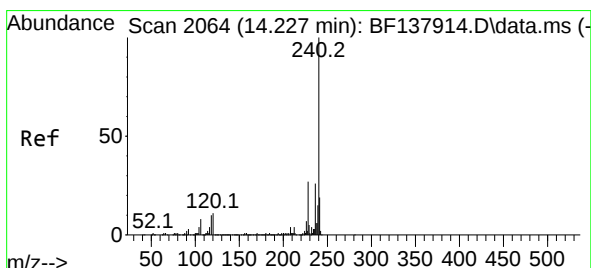
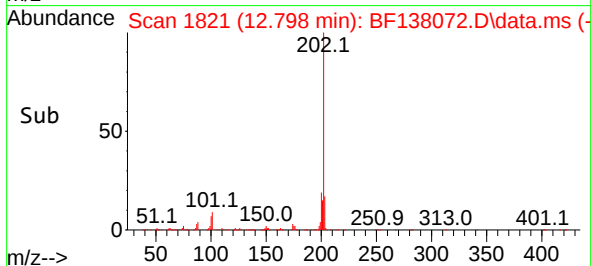
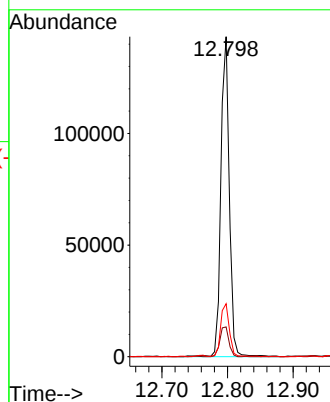
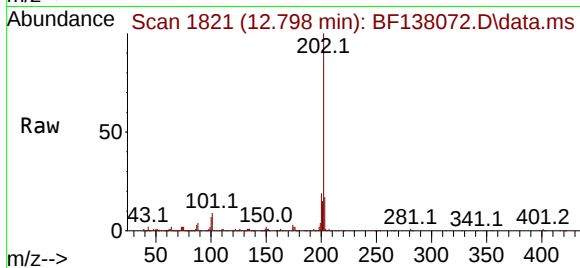
Tgt Ion:202 Resp: 126888

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.5

203 16.6 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

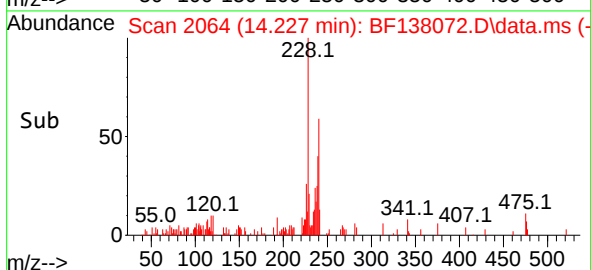
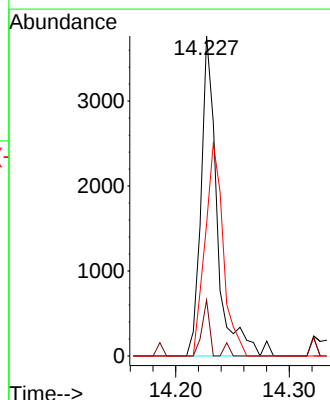
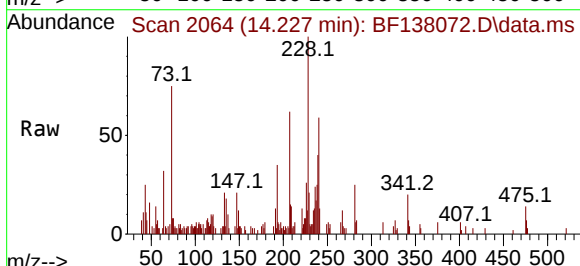
Tgt Ion:240 Resp: 3725

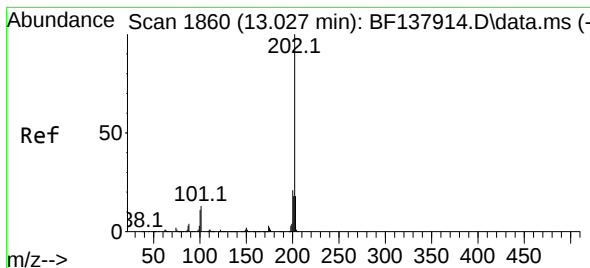
Ion Ratio Lower Upper

240 100

120 17.5 8.9 13.3#

236 41.3 21.0 31.4#





#78

Pyrene

Concen: 134.869 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

Instrument :

BNA_F

ClientSampleId :

VNJ-203MSD

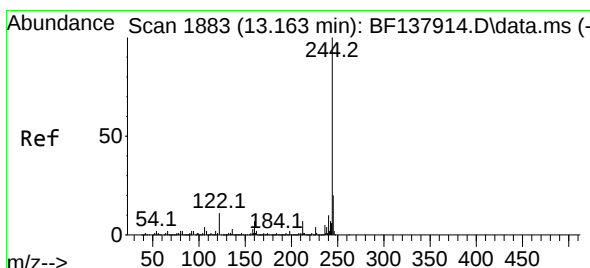
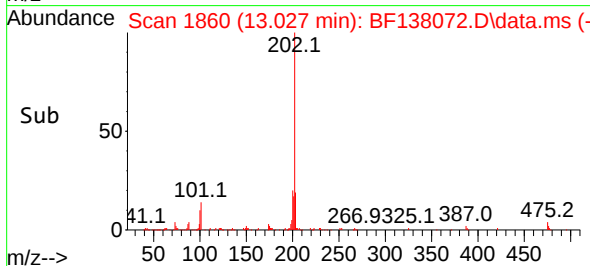
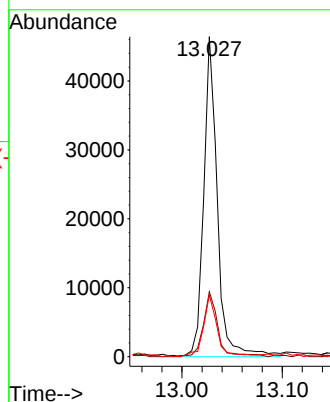
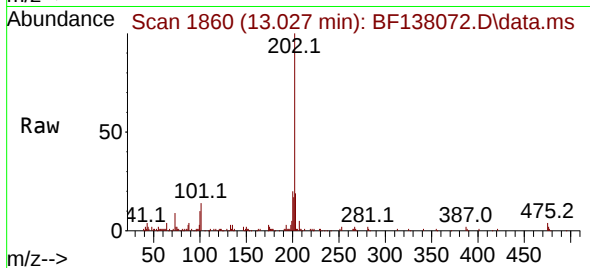
Tgt Ion:202 Resp: 43941

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

203 19.3 14.1 21.1



#79

Terphenyl-d14

Concen: 1451.830 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF138072.D

Acq: 30 May 2024 13:31

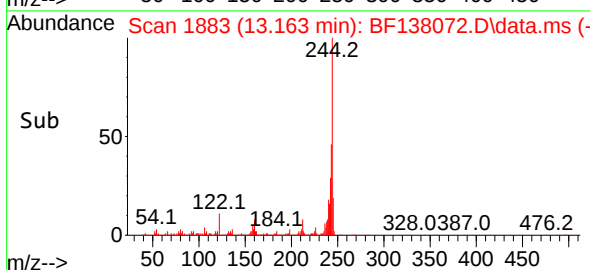
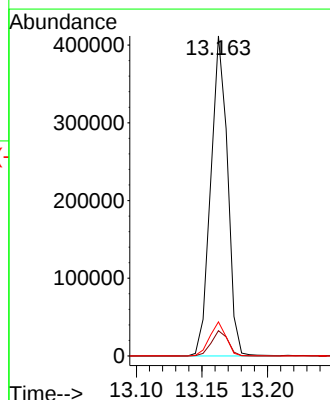
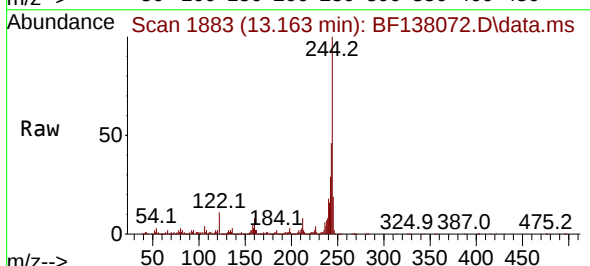
Tgt Ion:244 Resp: 366947

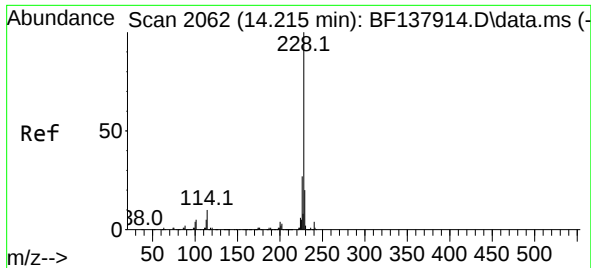
Ion Ratio Lower Upper

244 100

212 7.9 5.6 8.4

122 10.6 8.8 13.2

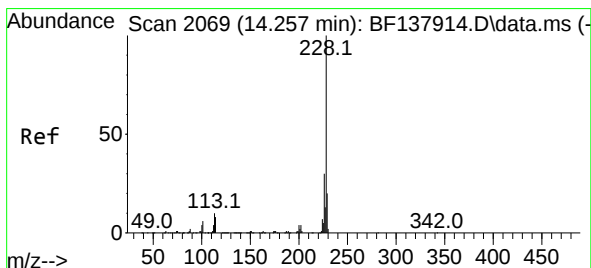
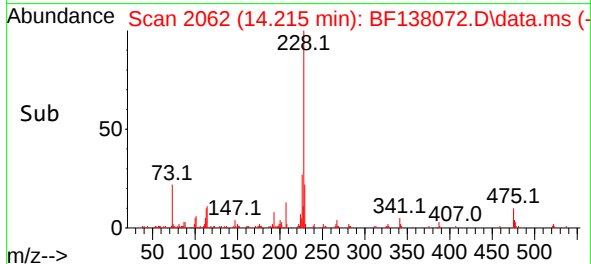
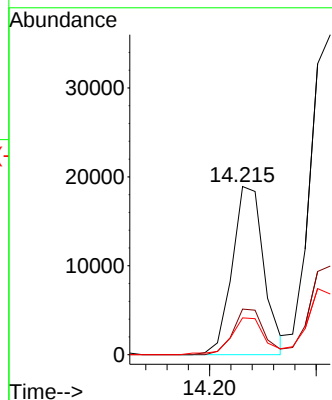
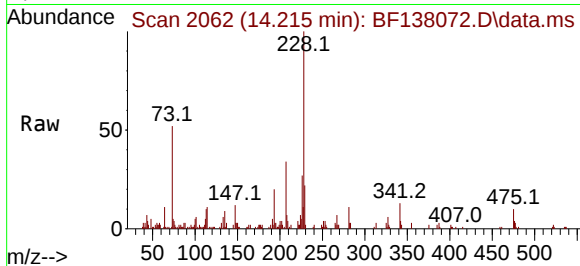




#81
Benzo(a)anthracene
Concen: 83.228 ng
RT: 14.215 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

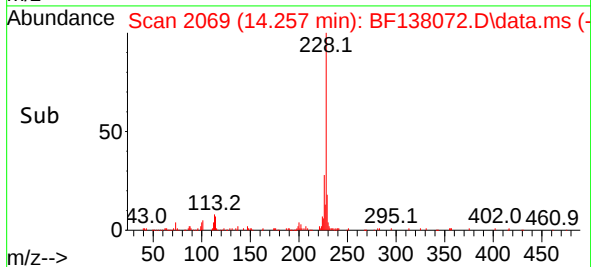
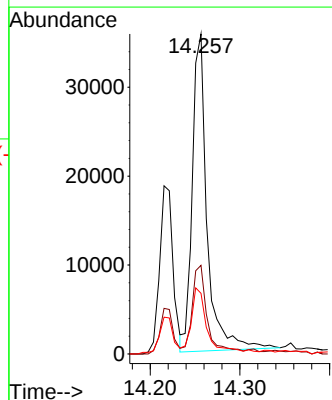
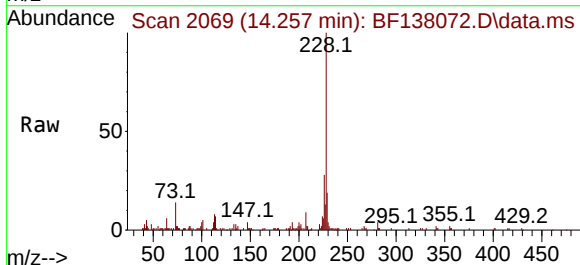
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

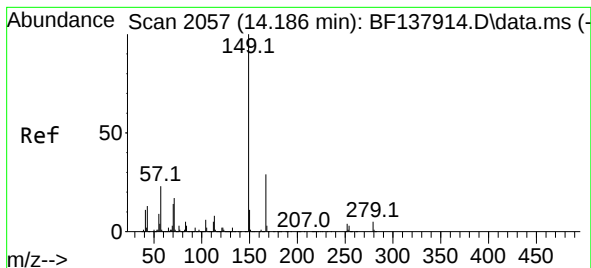
Tgt Ion:228	Resp:	19614
Ion Ratio	Lower	Upper
228	100	
226	27.2	21.3 31.9
229	21.9	15.7 23.5



#83
Chrysene
Concen: 180.974 ng
RT: 14.257 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:228	Resp:	40789
Ion Ratio	Lower	Upper
228	100	
226	27.7	23.8 35.8
229	18.9	15.6 23.4

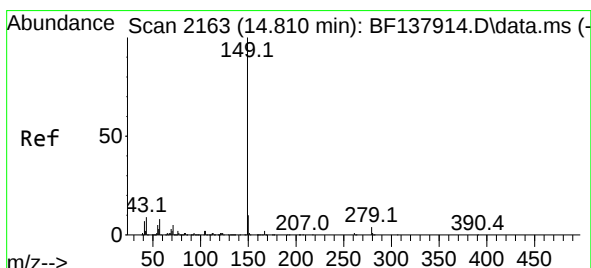
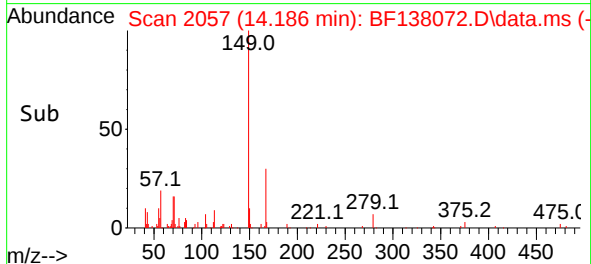
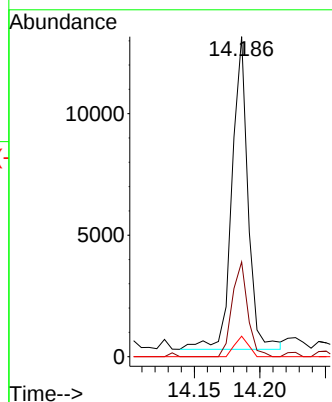
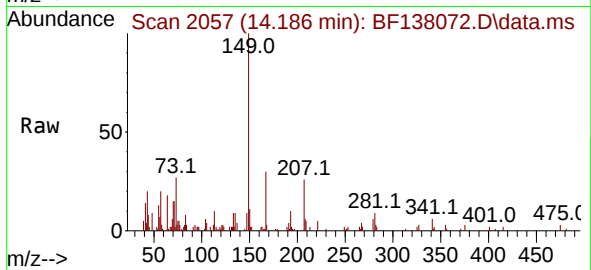




#84
Bis(2-ethylhexyl)phthalate
Concen: 88.948 ng
RT: 14.186 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

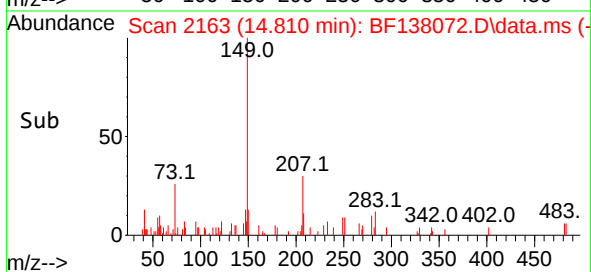
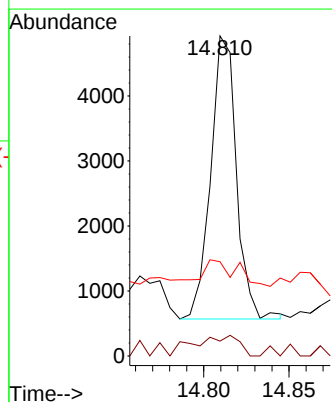
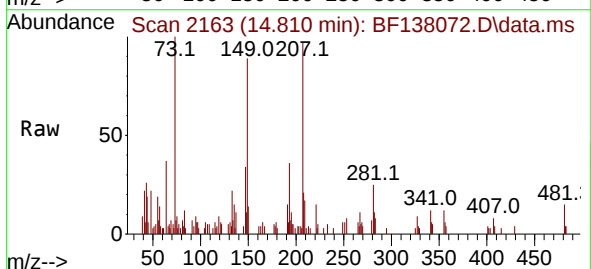
Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

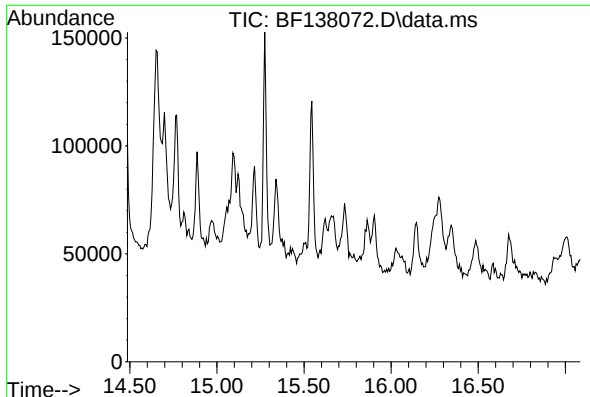
Tgt Ion:149 Resp: 10988
Ion Ratio Lower Upper
149 100
167 29.6 23.2 34.8
279 6.4 4.1 6.1#



#85
Di-n-octyl phthalate
Concen: 27.432 ng
RT: 14.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Tgt Ion:149 Resp: 4578
Ion Ratio Lower Upper
149 100
167 12.5 1.4 2.0#
43 14.6 6.6 9.8#





#86
Perylene-d12
Concen: 0.000 ng
Expected RT: 15.79 min
Lab File: BF138072.D
Acq: 30 May 2024 13:31

Instrument :
BNA_F
ClientSampleId :
VNJ-203MSD

Tgt Ion: 264
Sig Exp Ratio
264 100
260 22.9
265 22.0

