

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
 Data File : BF134907.D
 Acq On : 23 Aug 2023 16:37
 Operator : CG\JU
 Sample : 04100-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

Quant Time: Aug 24 04:26:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.79
21) Naphthalene-d8	8.140	136	1024	20.000	ng	# 0.06
39) Acenaphthene-d10	9.916	164	4600	20.000	ng	# 0.08
64) Phenanthrene-d10	11.445	188	3030	20.000	ng	# 0.12
76) Chrysene-d12	14.133	240	537	20.000	ng	# 0.15
86) Perylene-d12	15.639	264	1478	20.000	ng	# 0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	774343	0.000	ng	0.01
7) Phenol-d6	6.440	99	981402	0.000	ng	0.00
23) Nitrobenzene-d5	7.357	82	599451	32257.693	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	190412	3514.659	ng	0.01
45) 2-Fluorobiphenyl	9.157	172	976522	3281.735	ng	0.00
79) Terphenyl-d14	12.951	244	678135	17368.861	ng	0.03
Target Compounds						
						Qvalue
22) Acetophenone	7.204	105	480637	21236.077	ng	97
24) Nitrobenzene	7.381	77	375169	20119.622	ng	97
25) Isophorone	7.616	82	664401	19146.852	ng	99
26) 2-Nitrophenol	7.693	139	123613	13315.596	ng	95
27) 2,4-Dimethylphenol	7.734	122	296874	19606.884	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	410568	19851.764	ng	99
29) 2,4-Dichlorophenol	7.934	162	290550	19421.229	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	325316	20482.472	ng	100
31) Naphthalene	8.098	128	1032906	20201.055	ng	99
32) Benzoic acid	7.863	122	198839	17794.464	ng	95
33) 4-Chloroaniline	8.151	127	143498	6540.987	ng	99
34) Hexachlorobutadiene	8.210	225	192590	20388.316	ng	98
35) Caprolactam	8.522	113	77057	16499.948	ng	98
36) 4-Chloro-3-methylphenol	8.634	107	292159	18505.781	ng	99
37) 2-Methylnaphthalene	8.887	142	584094	17129.455	ng	95
38) 1-Methylnaphthalene	8.887	142	584094	18318.839	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	299571	2137.210	ng	99
41) Hexachlorocyclopentadiene	8.940	237	75146	1210.899	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	190679	2059.776	ng	97
44) 2,4,5-Trichlorophenol	9.116	196	190679	1779.134	ng	100
46) 1,1'-Biphenyl	9.257	154	749546	2063.951	ng	100
47) 2-Chloronaphthalene	9.281	162	560722	2067.486	ng	100
48) 2-Nitroaniline	9.381	65	198243	2223.632	ng	98
49) Acenaphthylene	9.698	152	820472	1964.432	ng	99
50) Dimethylphthalate	9.563	163	638671	1950.538	ng	100
51) 2,6-Dinitrotoluene	9.622	165	108869	1507.507	ng	90
52) Acenaphthene	9.869	154	477967	1816.547	ng	99
53) 3-Nitroaniline	9.792	138	129741	1644.816	ng	# 97
54) 2,4-Dinitrophenol	9.963	184	568	16.623	ng	# 1
55) Dibenzofuran	10.045	168	666431	1739.658	ng	95
56) 4-Nitrophenol	10.045	139	263692	4797.081	ng	# 18
57) 2,4-Dinitrotoluene	10.028	165	111611	1249.683	ng	96
58) Fluorene	10.392	166	449907	1548.463	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.239	232	6037	72.297	ng	# 33
60) Diethylphthalate	10.275	149	523105	1743.737	ng	94
61) 4-Chlorophenyl-phenyle...	10.386	204	235739	1618.527	ng	96

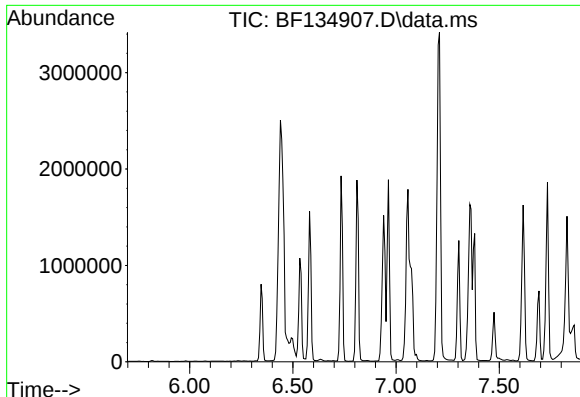
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Nitroaniline	10.410	138	106570	1445.270	ng	84
63) Azobenzene	10.551	77	431206	1446.914	ng	94
65) 4,6-Dinitro-2-methylph...	10.563	198	1503	84.065	ng	# 1
66) n-Nitrosodiphenylamine	10.504	169	394584	4043.935	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	9651	276.082	ng	# 1
68) Hexachlorobenzene	10.951	284	147503	3967.467	ng	# 90
69) Atrazine	11.151	200	22830	861.640	ng	83
70) Pentachlorophenol	11.151	266	142910	6387.299	ng	97
71) Phenanthrene	11.422	178	595942	3753.314	ng	96
72) Anthracene	11.422	178	595942	3663.210	ng	95
73) Carbazole	11.581	167	458657	3421.436	ng	# 94
74) Di-n-butylphthalate	11.922	149	504070	3278.580	ng	96
75) Fluoranthene	12.580	202	1003868	6672.750	ng	96
77) Benzidine	12.798	184	1252	143.698	ng	# 1
78) Pyrene	12.810	202	999825	17560.490	ng	98
80) Butylbenzylphthalate	13.427	149	262964	15159.201	ng	91
81) Benzo(a)anthracene	14.033	228	816209	22277.476	ng	96
82) 3,3'-Dichlorobenzidine	14.069	252	1730	149.188	ng	# 1
83) Chrysene	14.033	228	816209	22578.640	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	356848	18990.467	ng	98
85) Di-n-octyl phthalate	14.598	149	633553	20676.379	ng	99
87) Indeno(1,2,3-cd)pyrene	16.963	276	633305	5994.595	ng	98
88) Benzo(b)fluoranthene	15.045	252	837372	10041.897	ng	99
89) Benzo(k)fluoranthene	15.074	252	629445	7686.950	ng	97
90) Benzo(a)pyrene	15.410	252	667708	8021.033	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	30238	353.743	ng	94
92) Benzo(g,h,i)perylene	17.415	276	516485	5902.374	ng	99

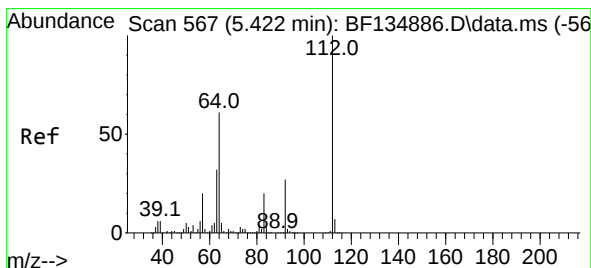
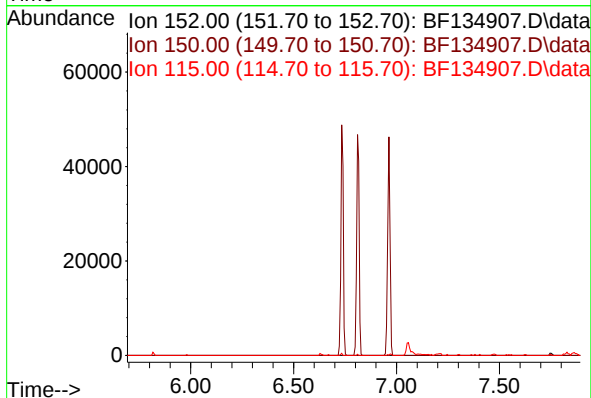
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.79 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

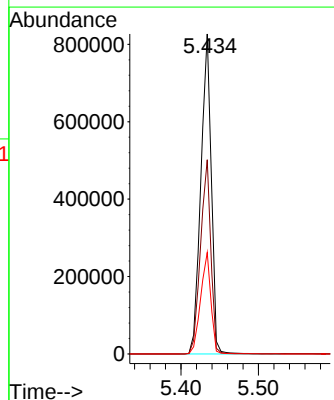
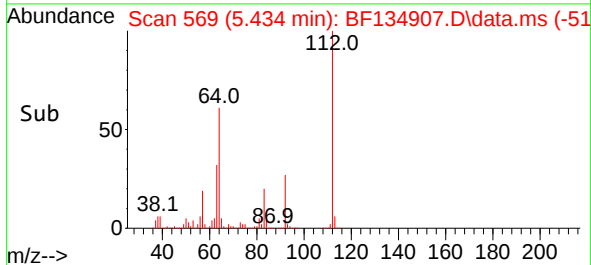
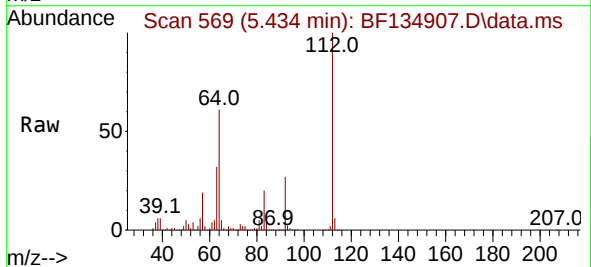
Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

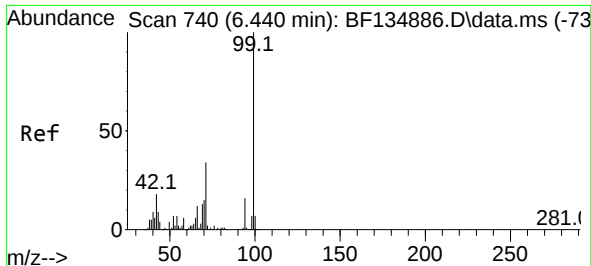
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 157.6
 115 63.9



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.012 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Tgt Ion: 112 Resp: 774343
 Ion Ratio Lower Upper
 112 100
 64 60.7 48.6 73.0
 63 31.7 25.7 38.5

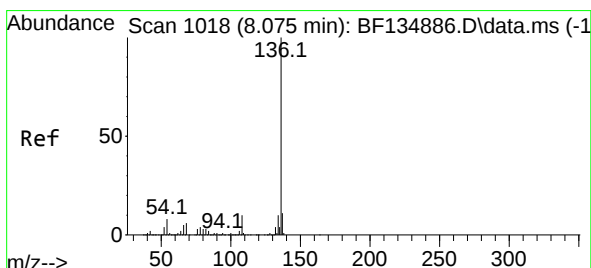
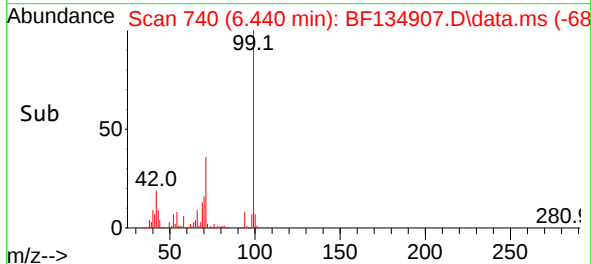
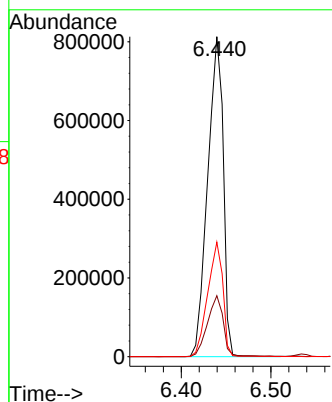
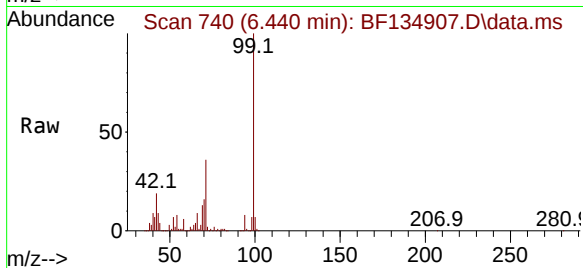




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

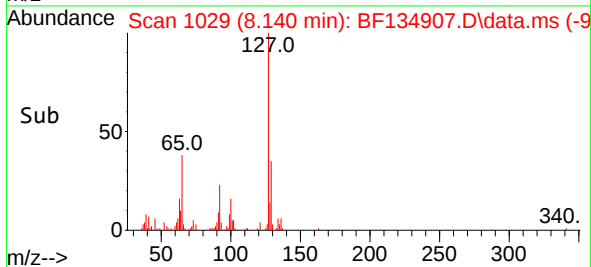
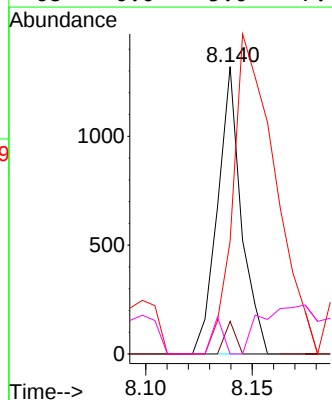
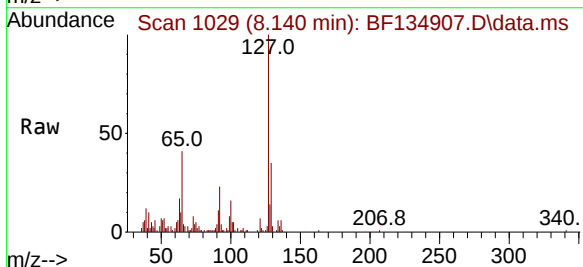
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BNA_F
ClientSampleId :
WC-1MSD

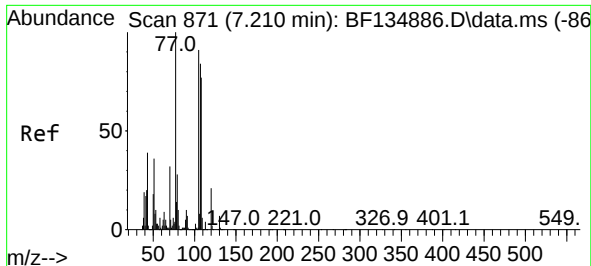
Tgt Ion: 99 Resp: 981402
Ion Ratio Lower Upper
99 100
42 19.0 14.6 22.0
71 35.8 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.065 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion: 136 Resp: 1024
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 39.2 6.6 9.8#
68 0.0 5.0 7.4#

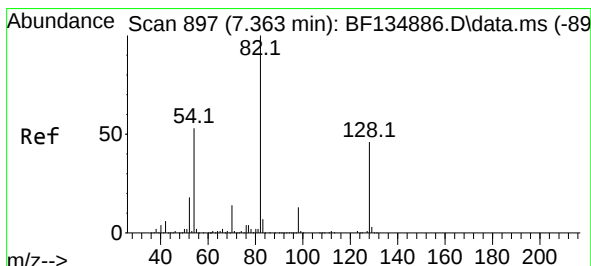
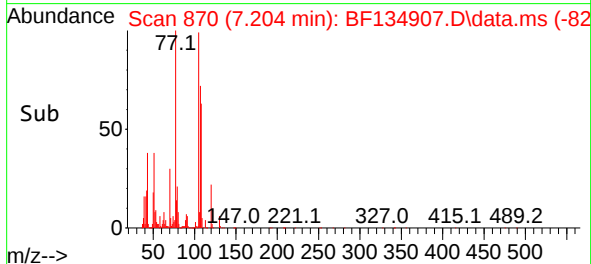
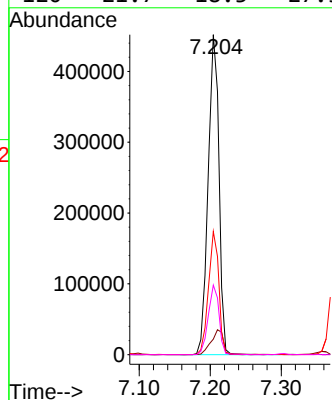
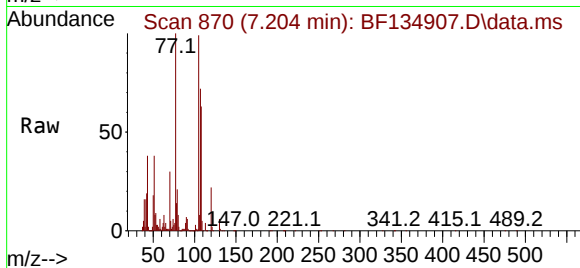




#22
Acetophenone
Concen: 21236.077 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

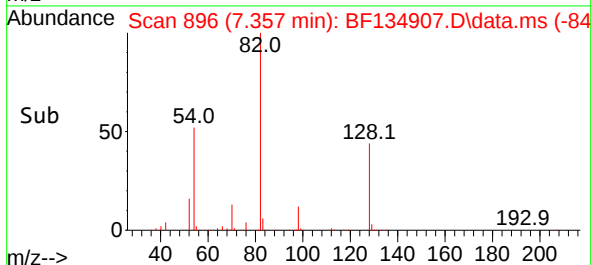
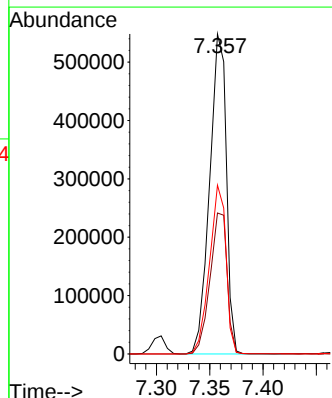
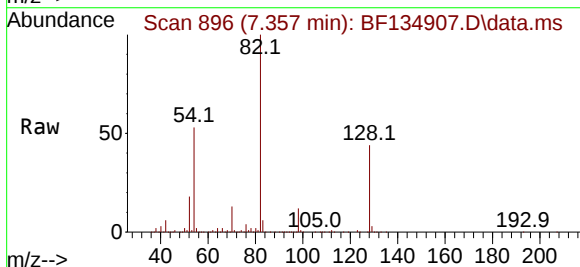
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

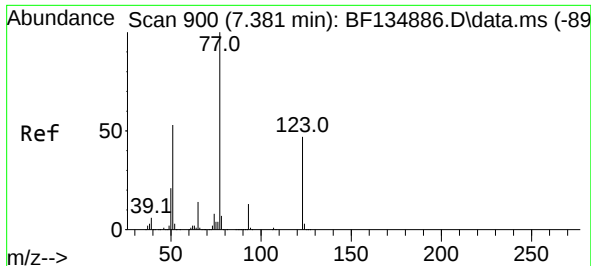
Tgt Ion:	105	Resp:	480637
Ion	Ratio	Lower	Upper
105	100		
71	4.9	4.6	6.8
51	38.5	32.2	48.2
120	21.7	18.3	27.5



#23
Nitrobenzene-d5
Concen: 32257.693 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:	82	Resp:	599451
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.6	54.8
54	52.7	42.6	63.8





#24

Nitrobenzene

Concen: 20119.622 ng

RT: 7.381 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

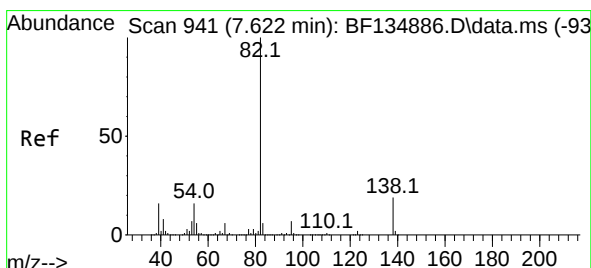
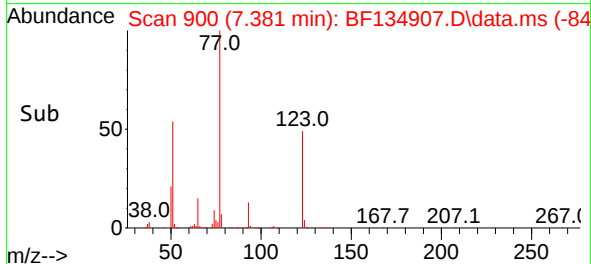
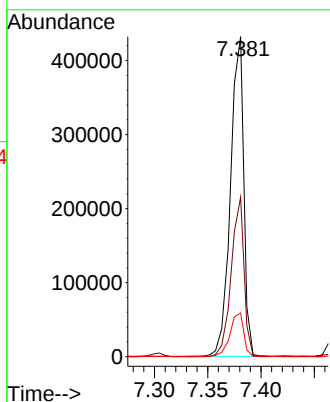
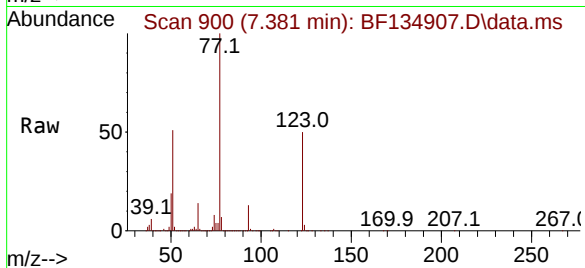
Tgt Ion: 77 Resp: 375169

Ion Ratio Lower Upper

77 100

123 49.9 37.9 56.9

65 13.7 11.1 16.7



#25

Isophorone

Concen: 19146.852 ng

RT: 7.616 min Scan# 940

Delta R.T. -0.006 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

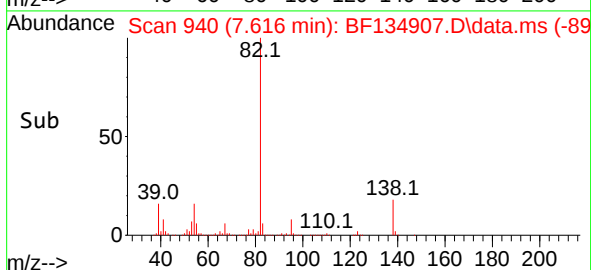
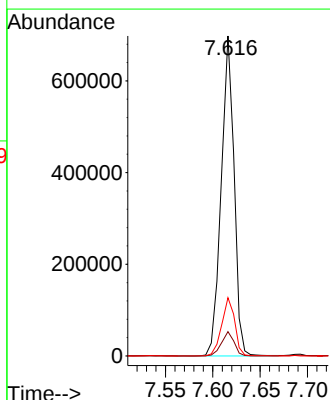
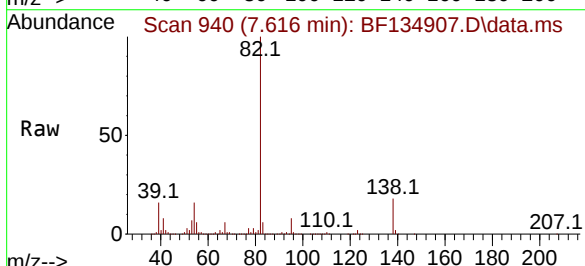
Tgt Ion: 82 Resp: 664401

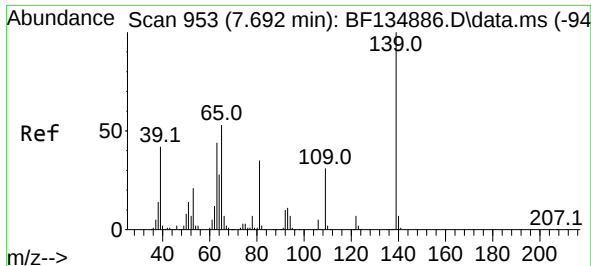
Ion Ratio Lower Upper

82 100

95 7.6 5.9 8.9

138 18.2 14.9 22.3

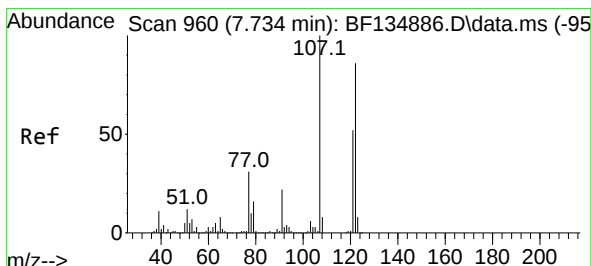
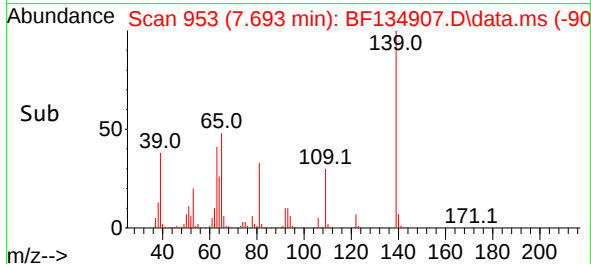
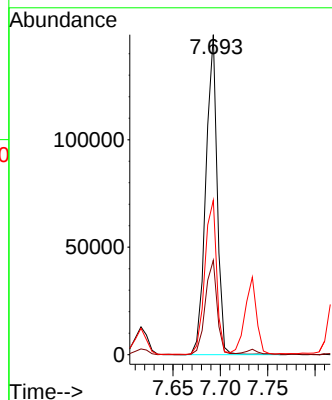
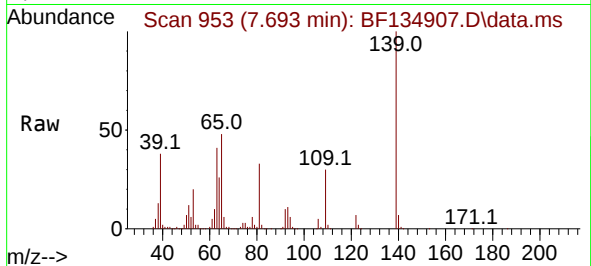




#26
2-Nitrophenol
Concen: 13315.596 ng
RT: 7.693 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

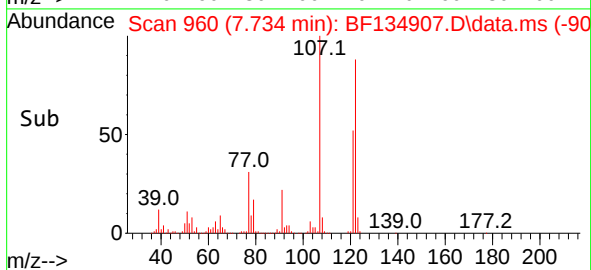
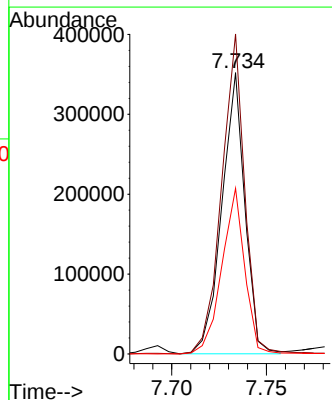
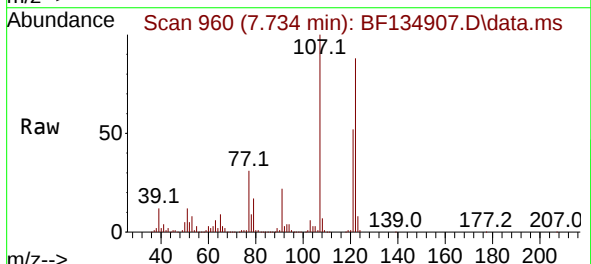
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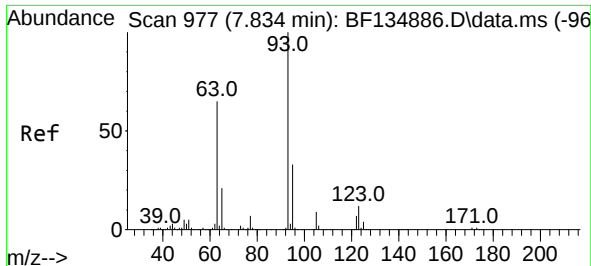
Tgt Ion:139 Resp: 123613
Ion Ratio Lower Upper
139 100
109 29.5 24.5 36.7
65 48.3 42.4 63.6



#27
2,4-Dimethylphenol
Concen: 19606.884 ng
RT: 7.734 min Scan# 960
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:122 Resp: 296874
Ion Ratio Lower Upper
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107 113.8 92.9 139.3
121 58.9 48.4 72.6

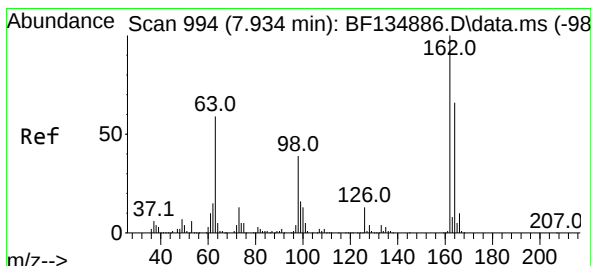
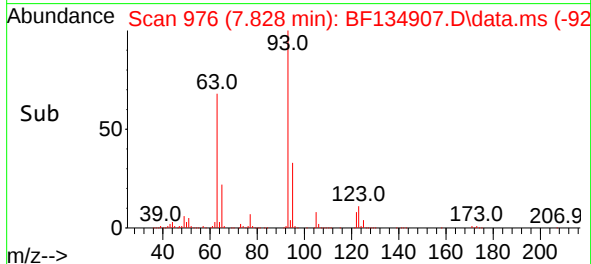
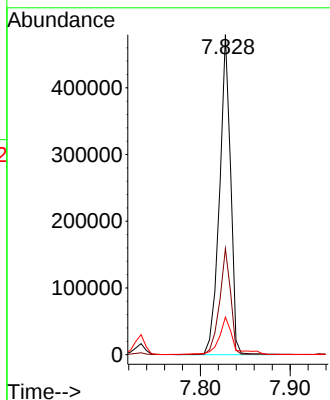
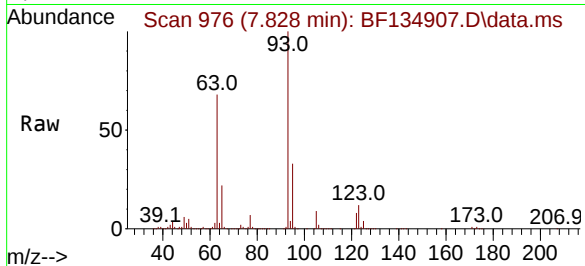




#28
bis(2-Chloroethoxy)methane
Concen: 19851.764 ng
RT: 7.828 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

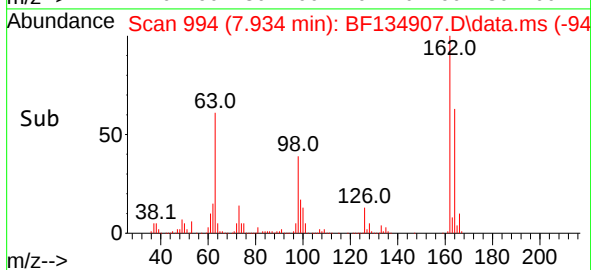
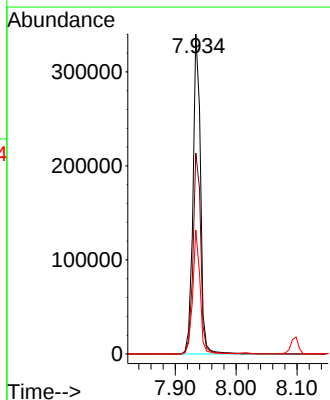
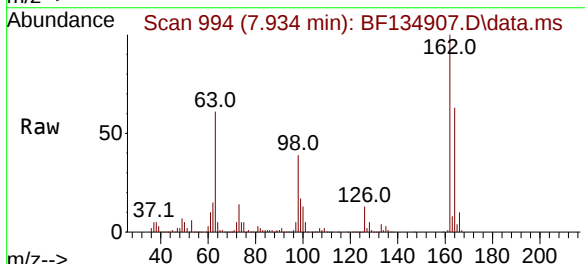
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

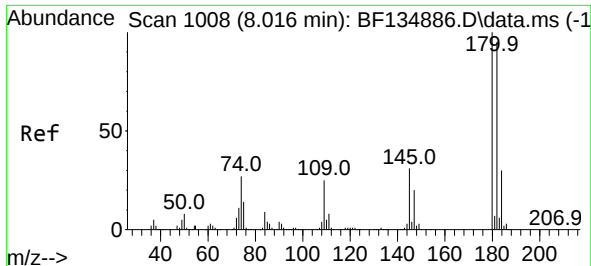
Tgt Ion: 93 Resp: 410568
Ion Ratio Lower Upper
93 100
95 33.1 26.3 39.5
123 11.7 9.9 14.9



#29
2,4-Dichlorophenol
Concen: 19421.229 ng
RT: 7.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion: 162 Resp: 290550
Ion Ratio Lower Upper
162 100
164 62.8 45.6 85.6
98 38.8 18.5 58.5

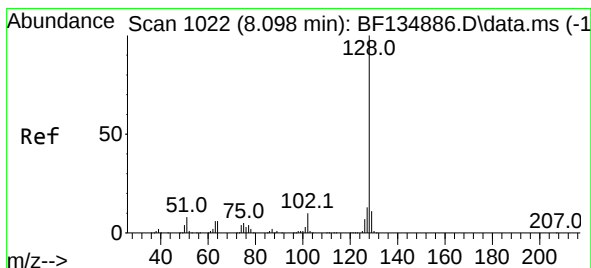
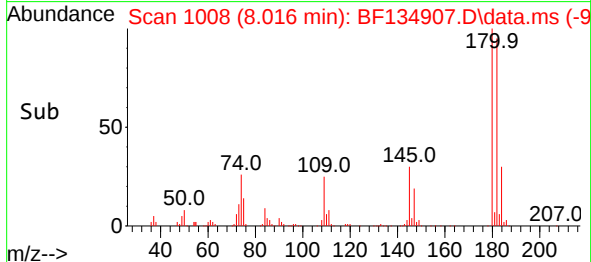
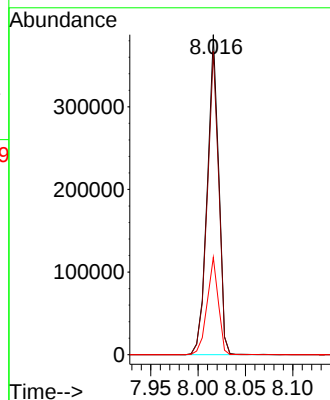
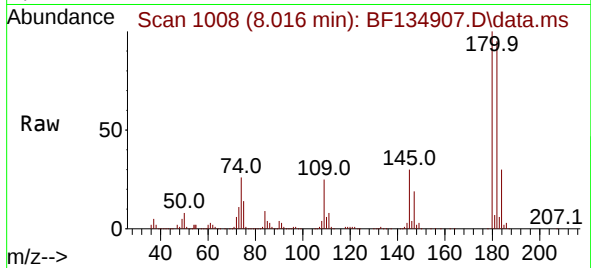




#30
 1,2,4-Trichlorobenzene
 Concen: 20482.472 ng
 RT: 8.016 min Scan# 1008
 Delta R.T. 0.000 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

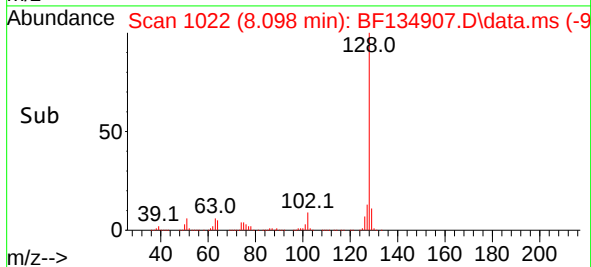
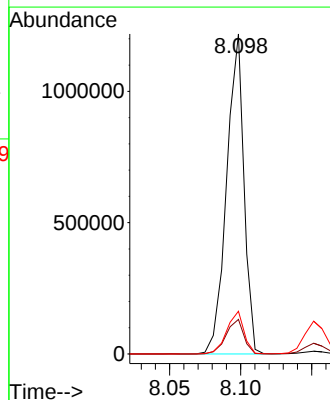
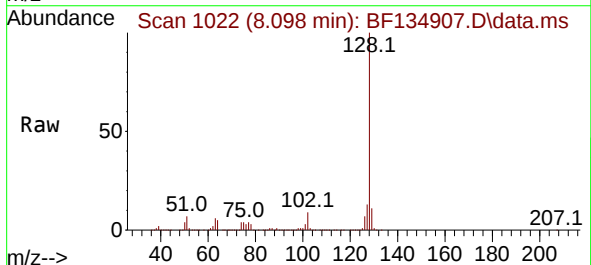
Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

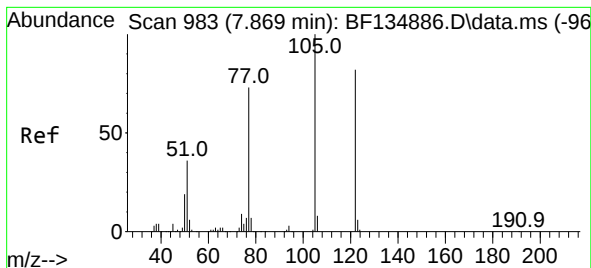
Tgt Ion:180 Resp: 325316
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.0 114.0
 145 30.4 24.6 37.0



#31
 Naphthalene
 Concen: 20201.055 ng
 RT: 8.098 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Tgt Ion:128 Resp: 1032906
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.0 13.4
 127 13.4 10.6 16.0





#32

Benzoic acid

Concen: 17794.464 ng

RT: 7.863 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

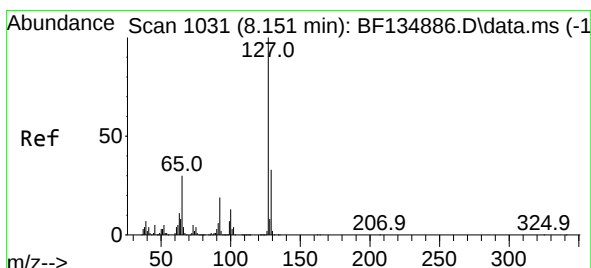
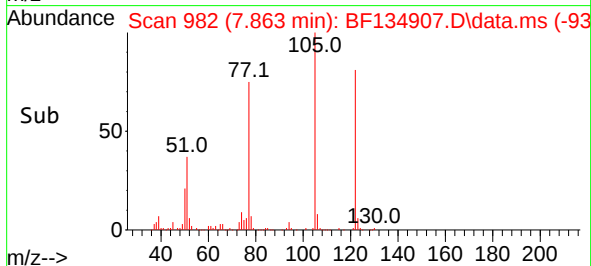
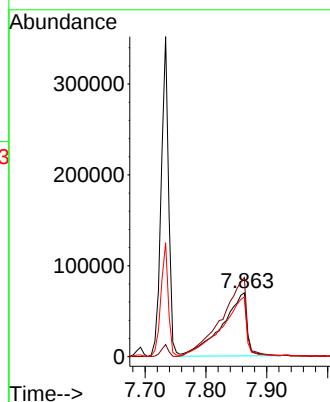
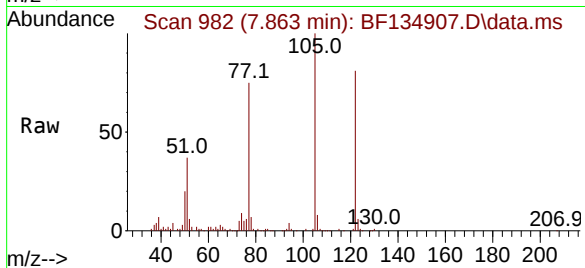
Tgt Ion:122 Resp: 198839

Ion Ratio Lower Upper

122 100

105 123.9 98.6 138.6

77 93.5 68.6 108.6



#33

4-Chloroaniline

Concen: 6540.987 ng

RT: 8.151 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Tgt Ion:127 Resp: 143498

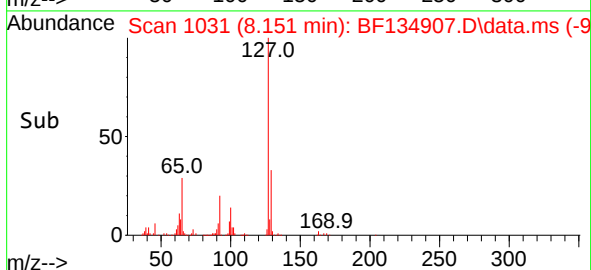
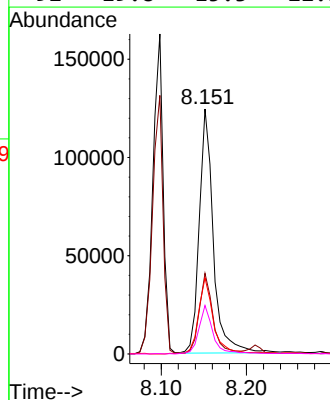
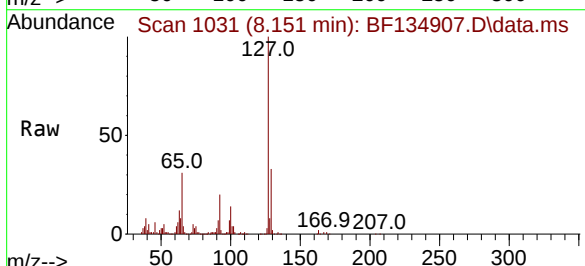
Ion Ratio Lower Upper

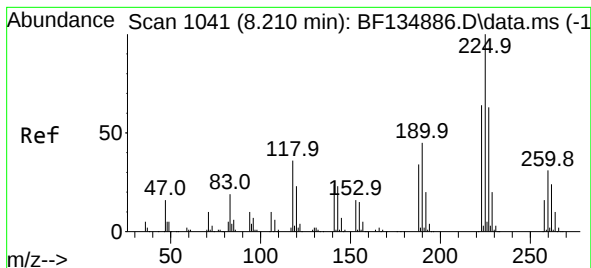
127 100

129 32.9 26.4 39.6

65 31.0 23.8 35.8

92 19.8 15.3 22.9





#34

Hexachlorobutadiene

Concen: 20388.316 ng

RT: 8.210 min Scan# 1041

Delta R.T. 0.000 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

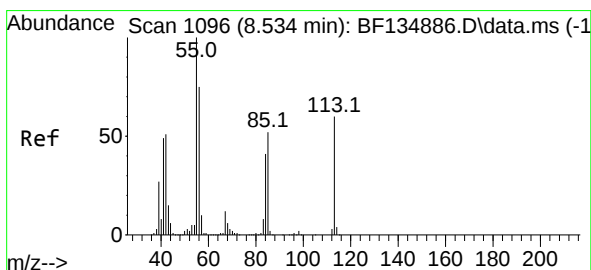
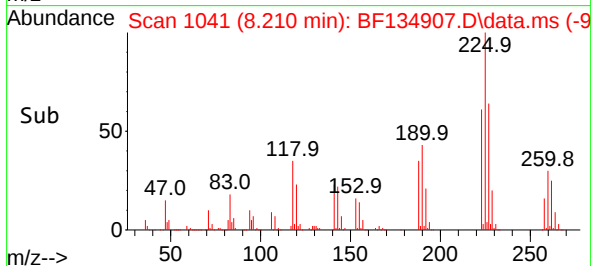
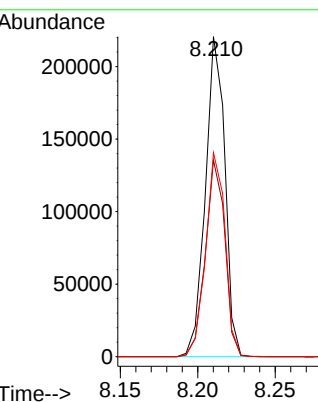
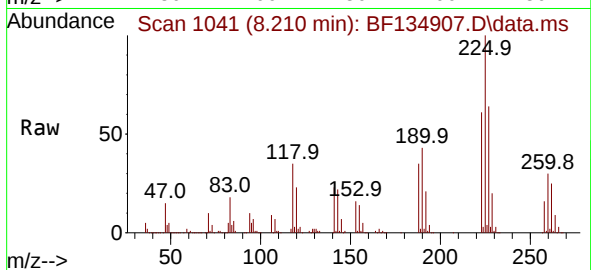
Tgt Ion:225 Resp: 192590

Ion Ratio Lower Upper

225 100

223 61.4 51.1 76.7

227 63.8 50.1 75.1



#35

Caprolactam

Concen: 16499.948 ng

RT: 8.522 min Scan# 1094

Delta R.T. -0.012 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

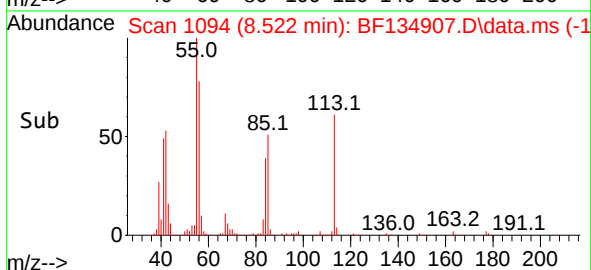
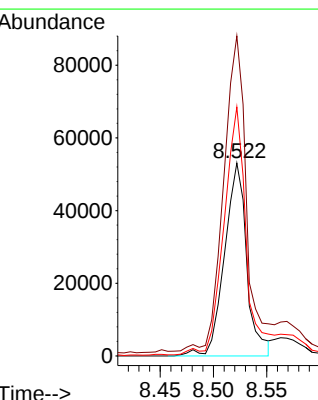
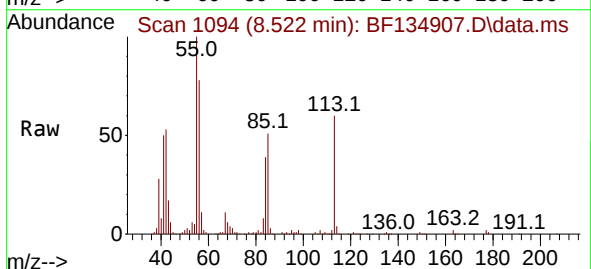
Tgt Ion:113 Resp: 77057

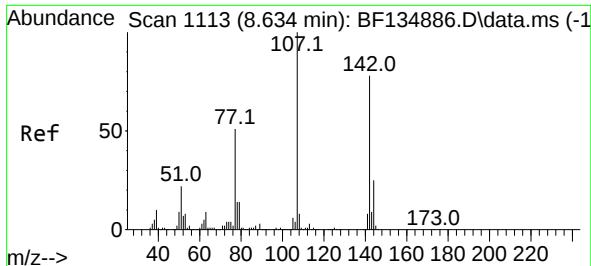
Ion Ratio Lower Upper

113 100

55 165.8 147.2 187.2

56 129.0 106.0 146.0

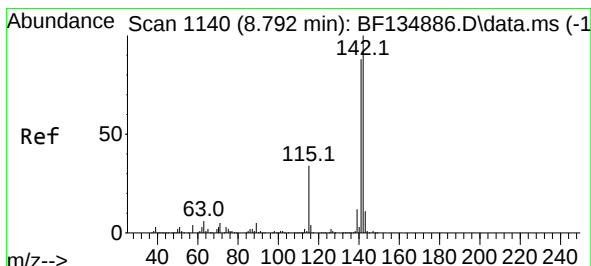
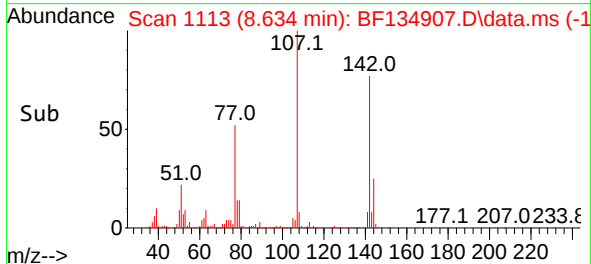
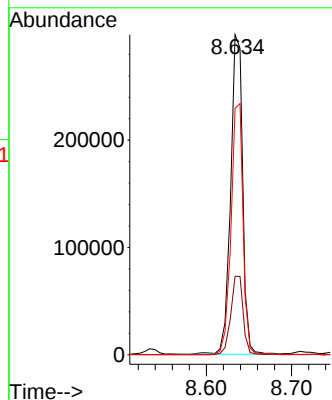
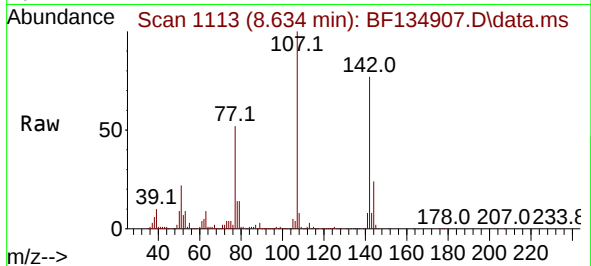




#36
 4-Chloro-3-methylphenol
 Concen: 18505.781 ng
 RT: 8.634 min Scan# 1113
 Delta R.T. 0.000 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

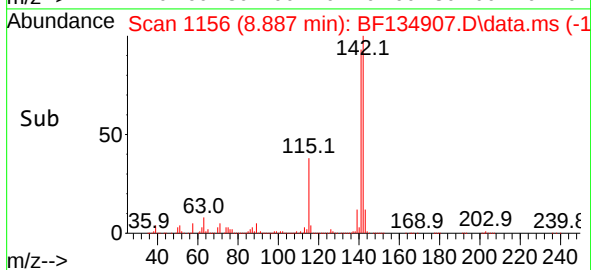
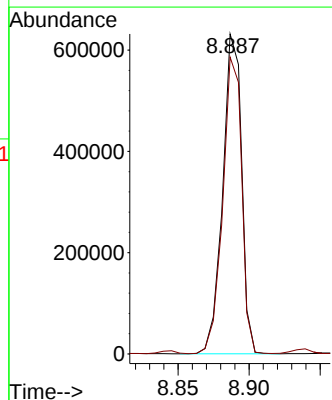
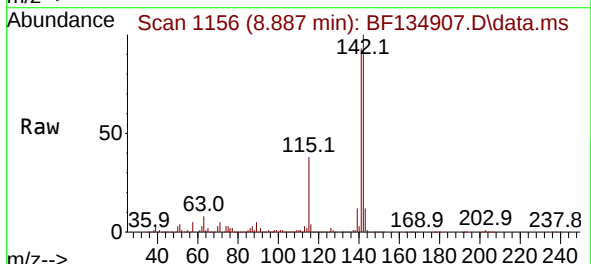
Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

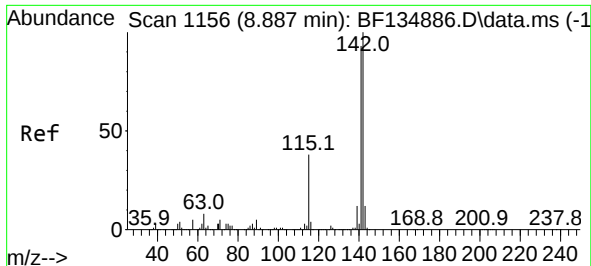
Tgt Ion:107 Resp: 292159
 Ion Ratio Lower Upper
 107 100
 144 24.5 20.2 30.2
 142 77.0 62.5 93.7



#37
 2-Methylnaphthalene
 Concen: 17129.455 ng
 RT: 8.887 min Scan# 1156
 Delta R.T. 0.094 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Tgt Ion:142 Resp: 584094
 Ion Ratio Lower Upper
 142 100
 141 92.7 70.2 105.2

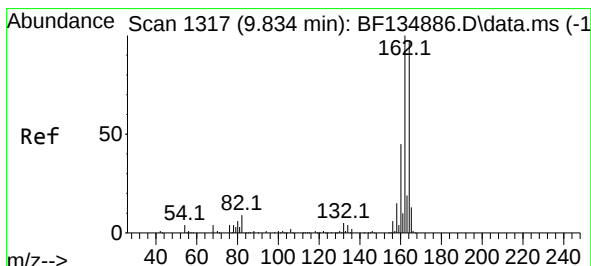
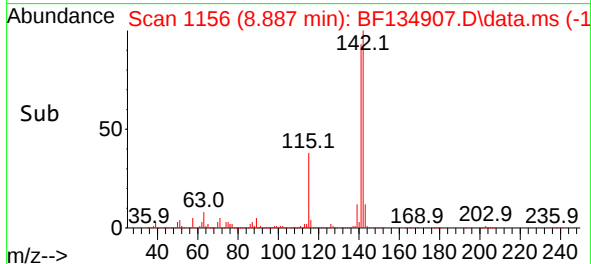
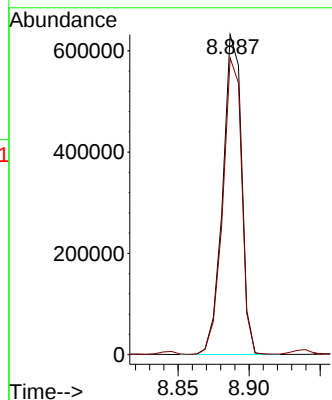
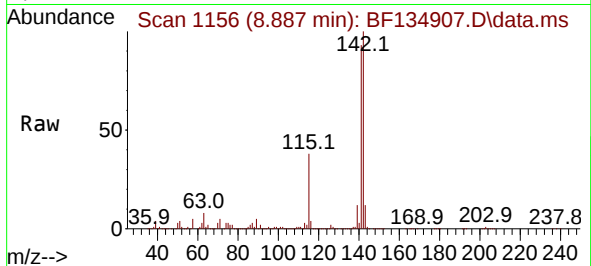




#38
1-Methylnaphthalene
Concen: 18318.839 ng
RT: 8.887 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

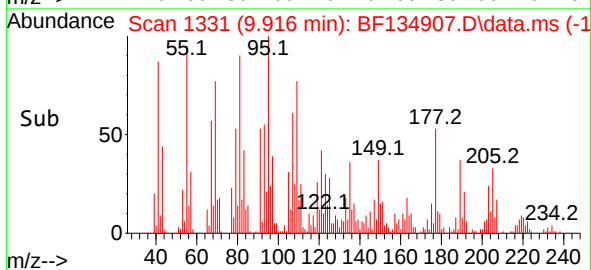
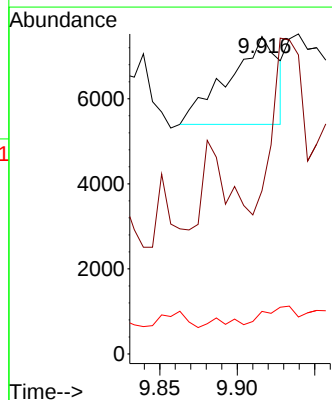
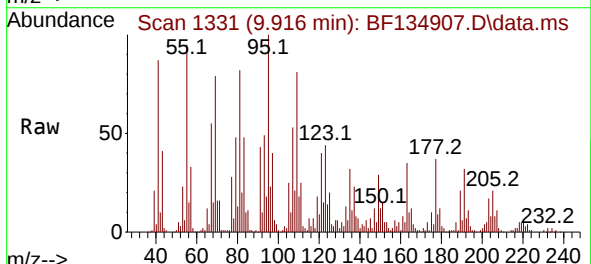
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

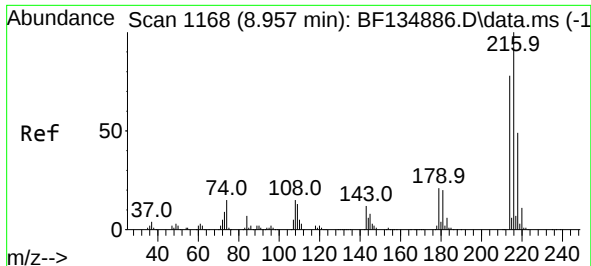
Tgt Ion:142 Resp: 584094
Ion Ratio Lower Upper
142 100
141 92.7 74.1 111.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.082 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:164 Resp: 4600
Ion Ratio Lower Upper
164 100
162 51.4 82.6 123.8#
160 13.4 37.0 55.4#



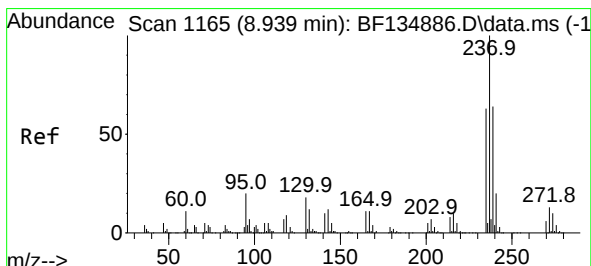
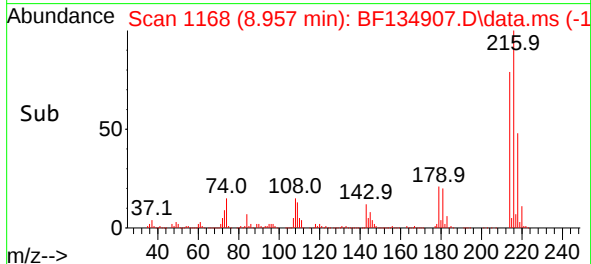
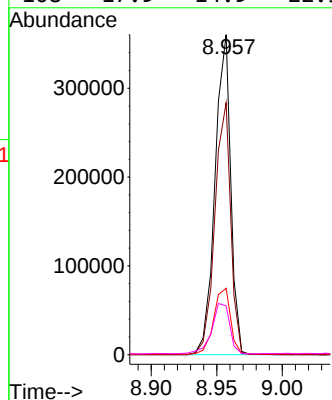
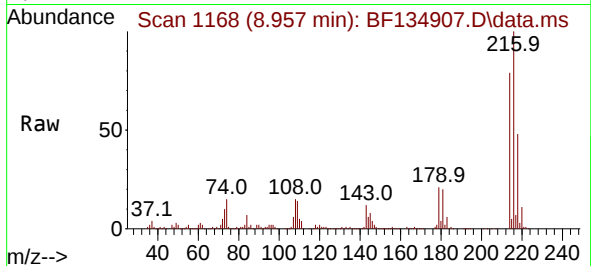


#40
1,2,4,5-Tetrachlorobenzene
Concen: 2137.210 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Instrument :
BNA_F
ClientSampleId :
WC-1MSD

Tgt Ion:216 Resp: 299571

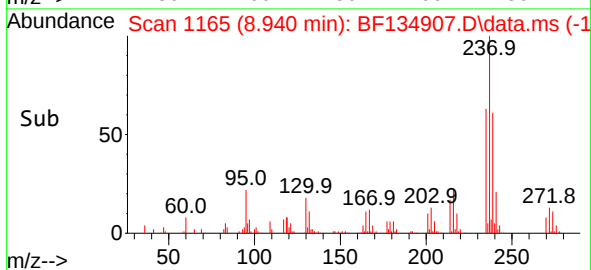
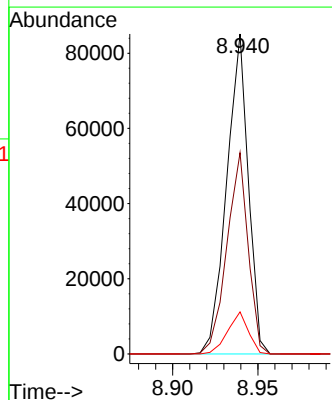
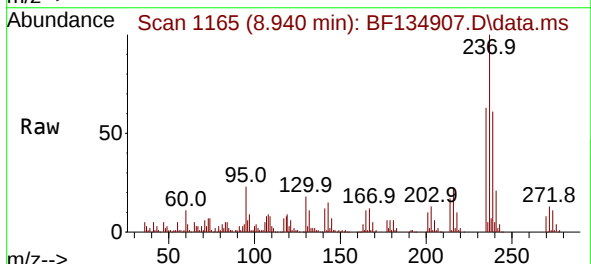
Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.1	94.7
179	22.0	17.3	25.9
108	17.9	14.9	22.3

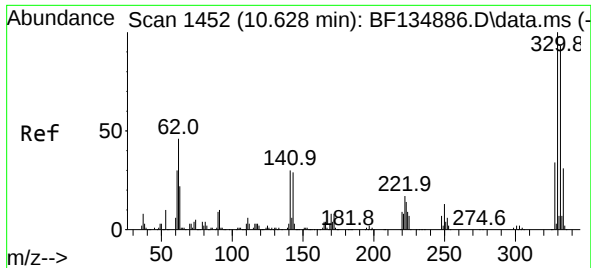


#41
Hexachlorocyclopentadiene
Concen: 1210.899 ng
RT: 8.940 min Scan# 1165
Delta R.T. 0.001 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:237 Resp: 75146

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.1	83.1
272	13.1	0.0	32.6

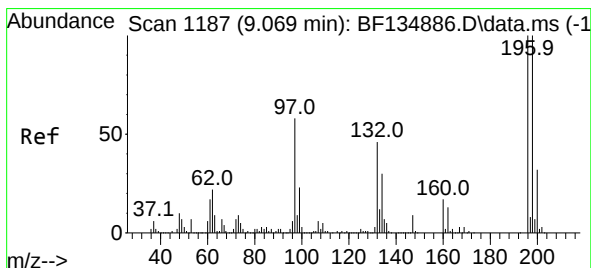
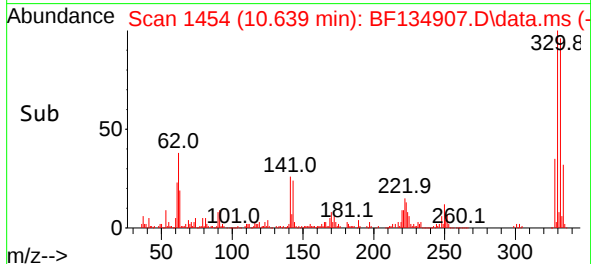
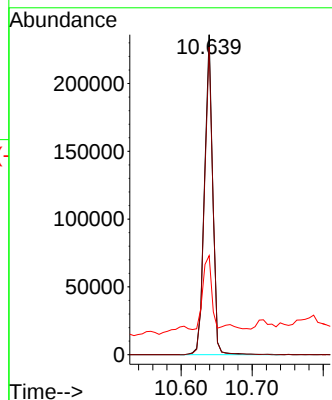
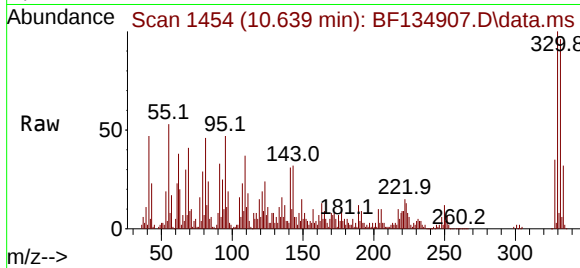




#42
 2,4,6-Tribromophenol
 Concen: 3514.659 ng
 RT: 10.639 min Scan# 1454
 Delta R.T. 0.012 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

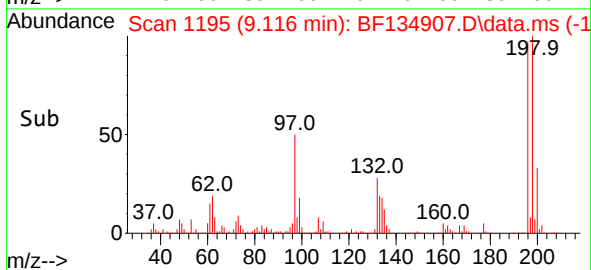
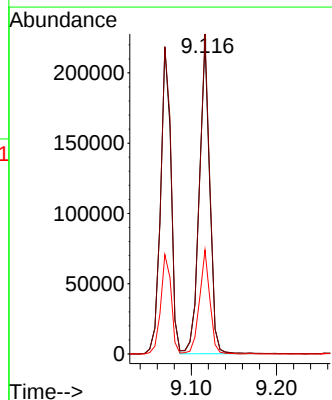
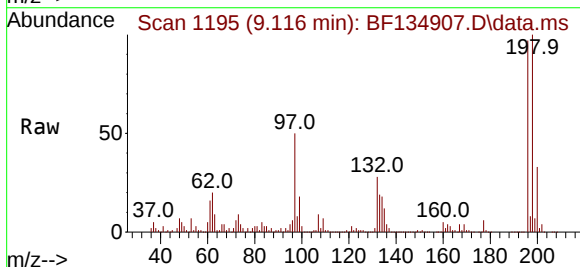
Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

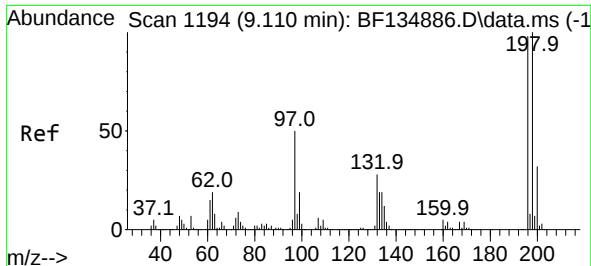
Tgt Ion:330 Resp: 190412
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.3 114.5
 141 24.9 23.4 35.2



#43
 2,4,6-Trichlorophenol
 Concen: 2059.776 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. 0.047 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Tgt Ion:196 Resp: 190679
 Ion Ratio Lower Upper
 196 100
 198 102.7 79.8 119.6
 200 33.4 25.8 38.6

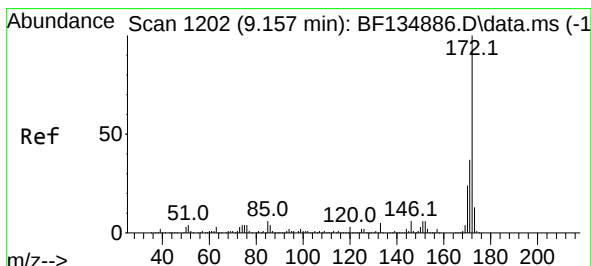
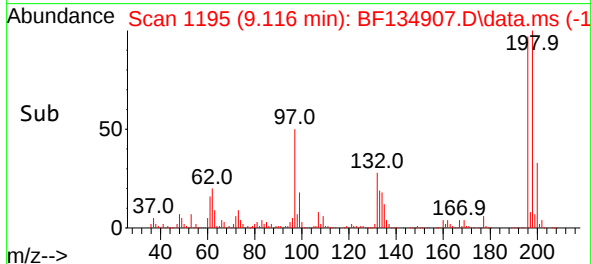
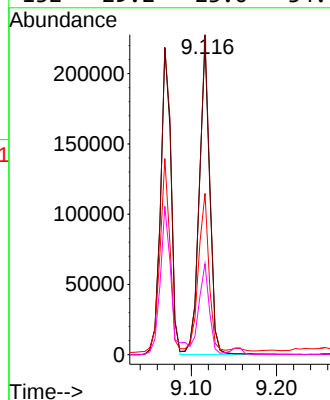
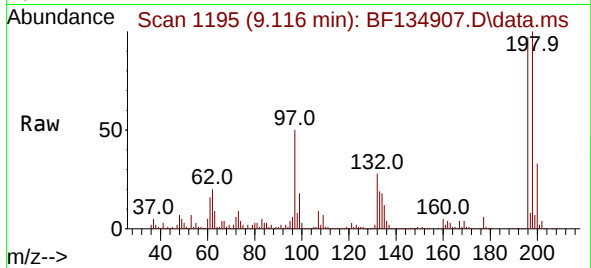




#44
2,4,5-Trichlorophenol
Concen: 1779.134 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

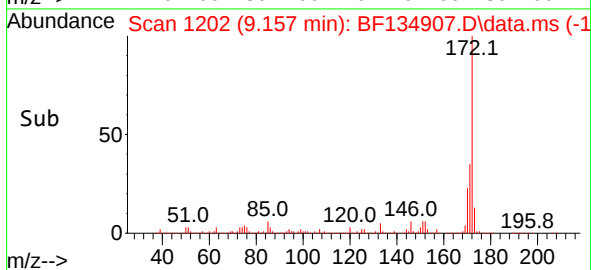
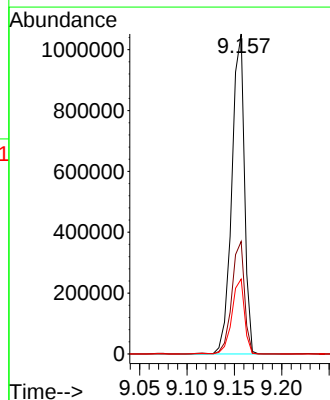
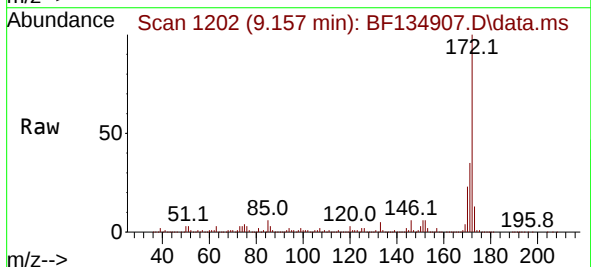
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

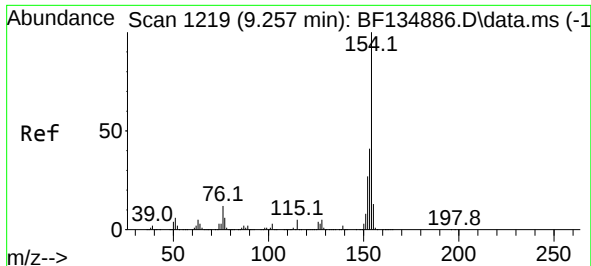
Tgt Ion:196	Resp: 190679
Ion Ratio	Lower Upper
196	100
198	102.7 81.8 122.6
97	51.7 41.3 61.9
132	29.2 23.0 34.4



#45
2-Fluorobiphenyl
Concen: 3281.735 ng
RT: 9.157 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:172	Resp: 976522
Ion Ratio	Lower Upper
172	100
171	35.2 29.4 44.0
170	23.4 19.6 29.4

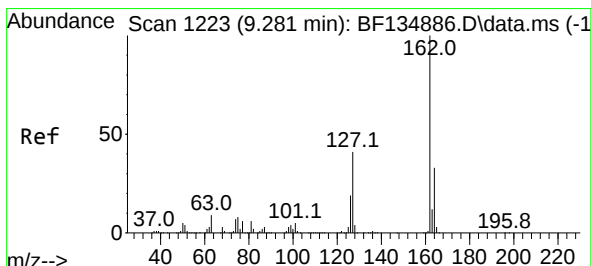
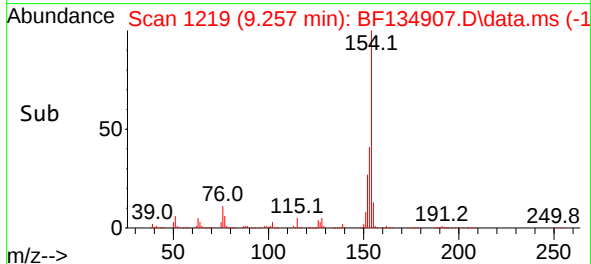
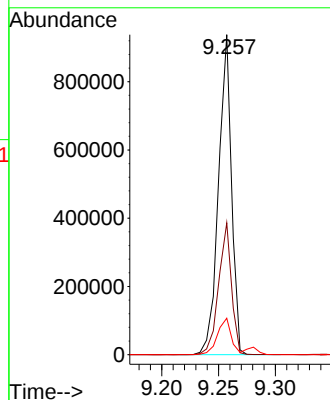
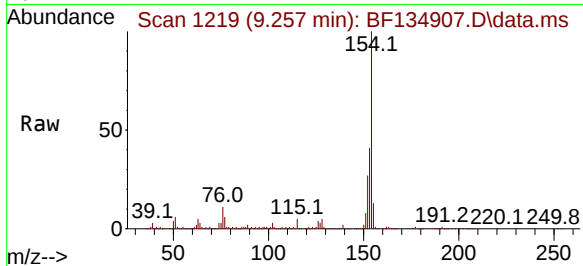




#46
1,1'-Biphenyl
Concen: 2063.951 ng
RT: 9.257 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

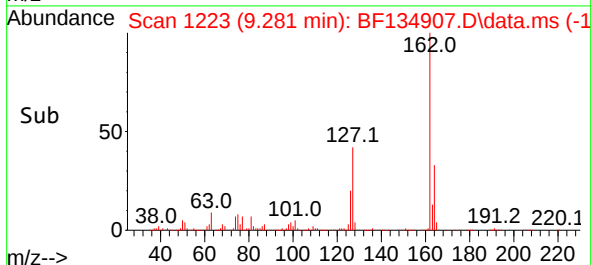
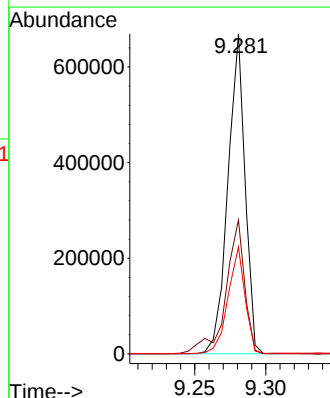
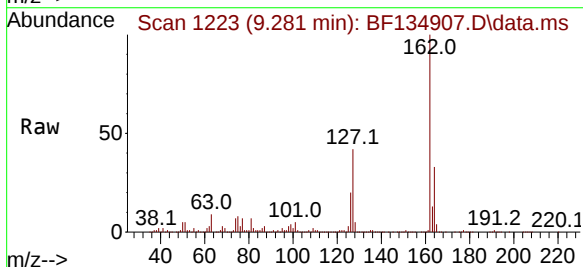
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

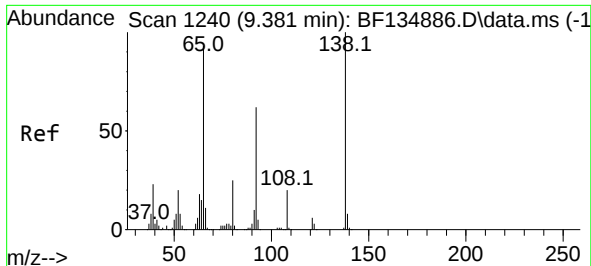
Tgt Ion:154 Resp: 749546
Ion Ratio Lower Upper
154 100
153 41.2 21.3 61.3
76 11.4 0.0 31.8



#47
2-Chloronaphthalene
Concen: 2067.486 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:162 Resp: 560722
Ion Ratio Lower Upper
162 100
127 41.9 33.4 50.0
164 33.4 26.6 39.8

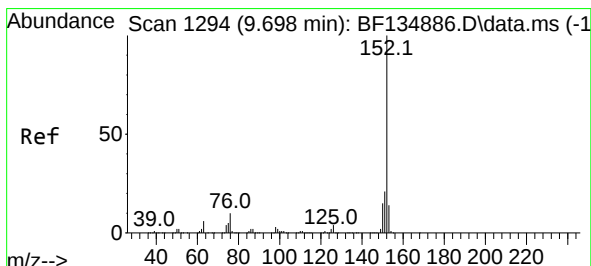
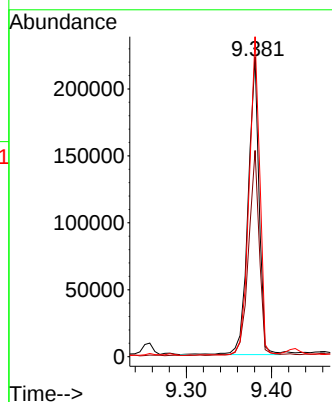
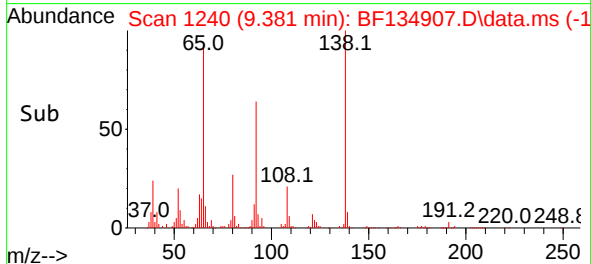
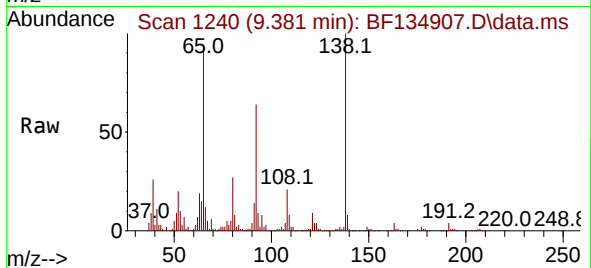




#48
2-Nitroaniline
Concen: 2223.632 ng
RT: 9.381 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

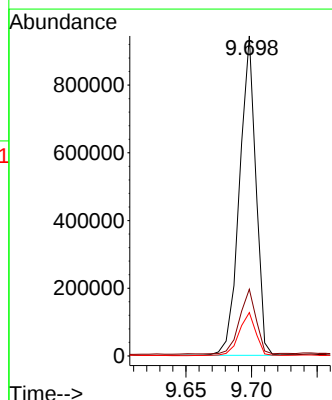
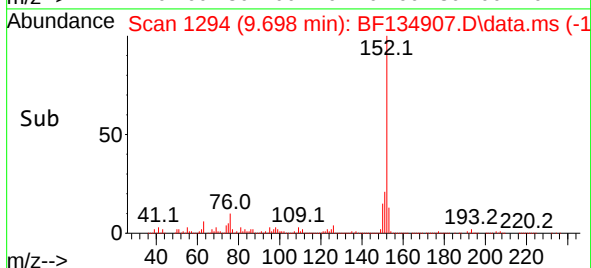
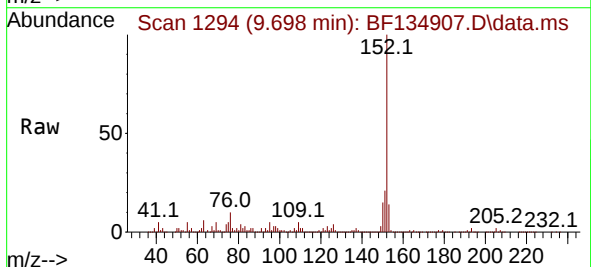
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

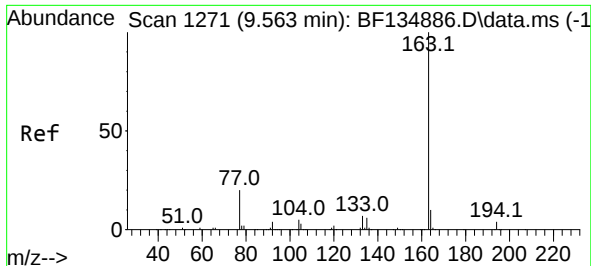
Tgt Ion: 65 Resp: 198243
Ion Ratio Lower Upper
65 100
92 68.9 53.8 80.8
138 106.8 86.5 129.7



#49
Acenaphthylene
Concen: 1964.432 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion: 152 Resp: 820472
Ion Ratio Lower Upper
152 100
151 20.9 16.5 24.7
153 13.5 11.3 16.9

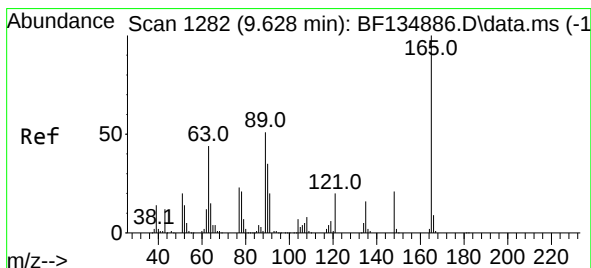
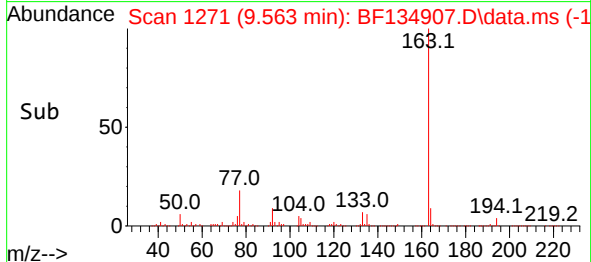
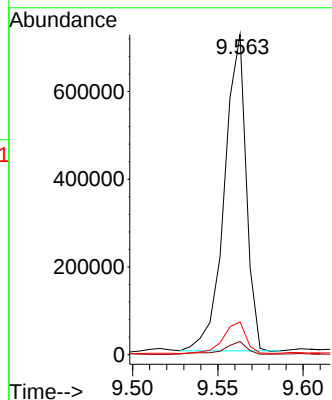
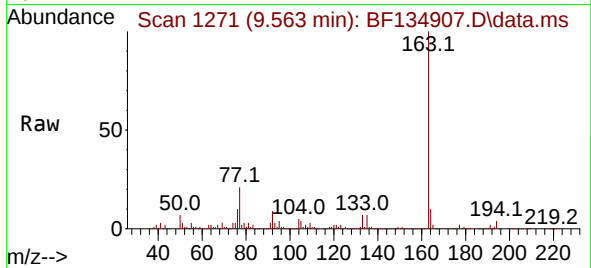




#50
Dimethylphthalate
Concen: 1950.538 ng
RT: 9.563 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

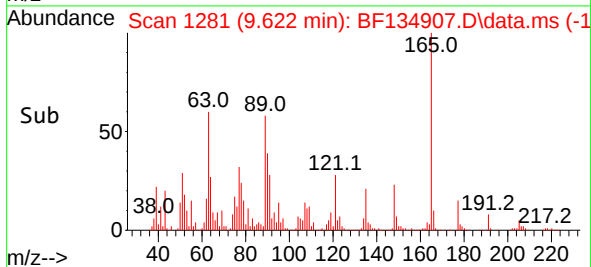
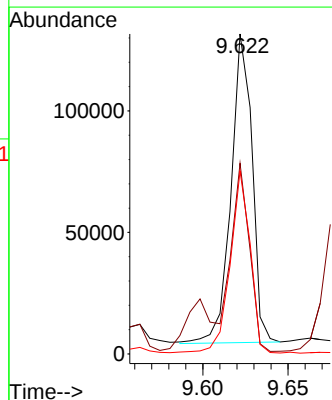
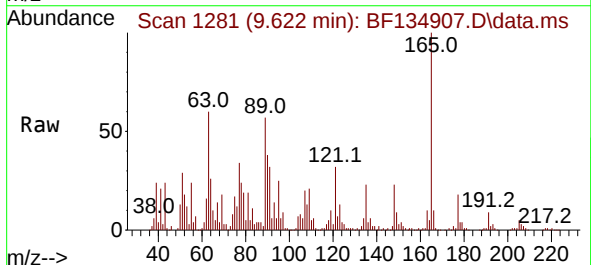
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

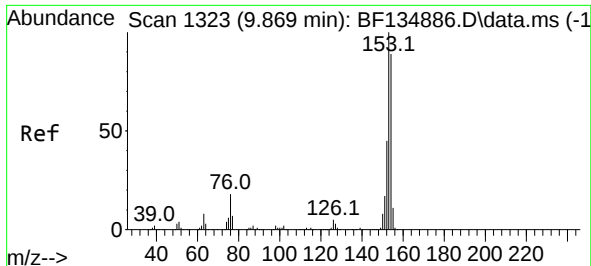
Tgt Ion:163 Resp: 638671
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.2 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 1507.507 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:165 Resp: 108869
Ion Ratio Lower Upper
165 100
63 59.6 41.4 62.2
89 57.2 40.9 61.3

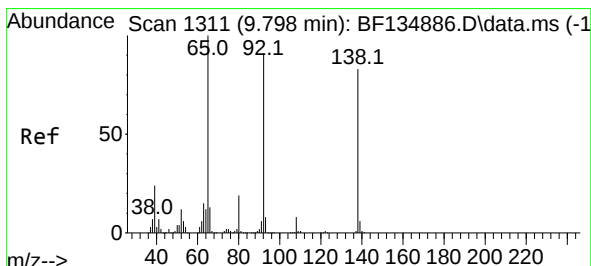
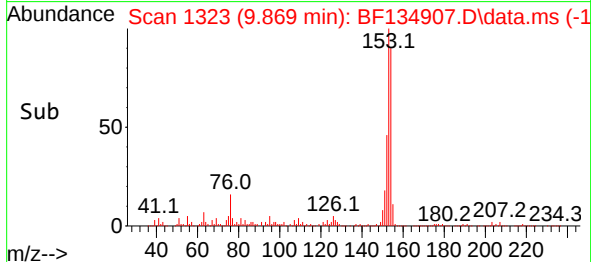
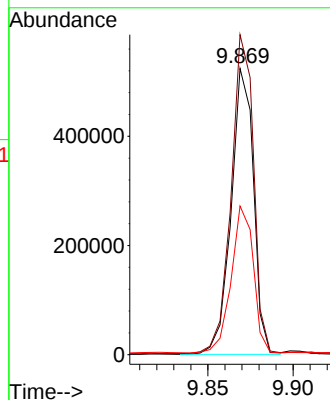
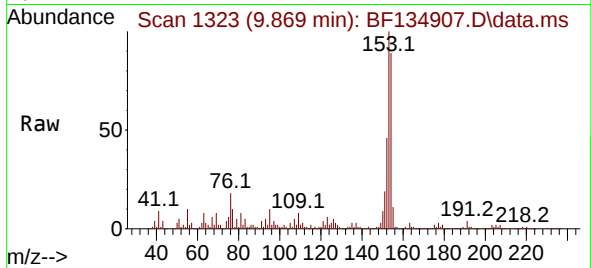




#52
Acenaphthene
Concen: 1816.547 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

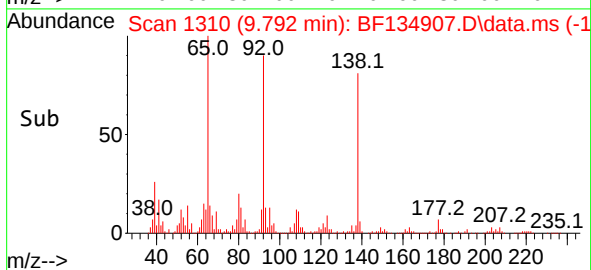
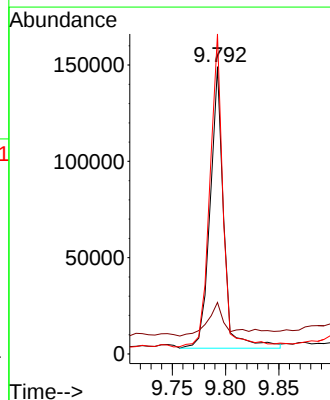
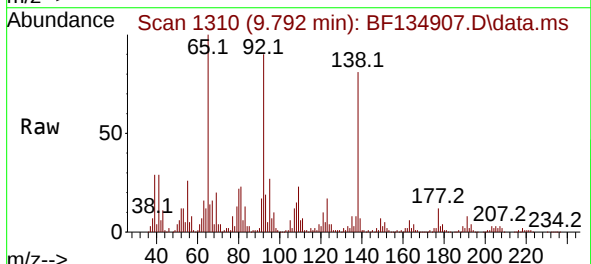
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

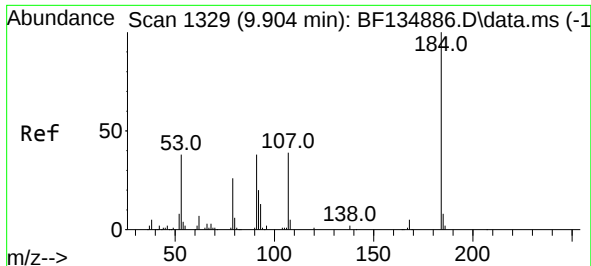
Tgt Ion:154 Resp: 477967
Ion Ratio Lower Upper
154 100
153 111.8 89.6 134.4
152 52.0 40.5 60.7



#53
3-Nitroaniline
Concen: 1644.816 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:138 Resp: 129741
Ion Ratio Lower Upper
138 100
108 18.0 8.0 12.0#
92 111.4 87.6 131.4

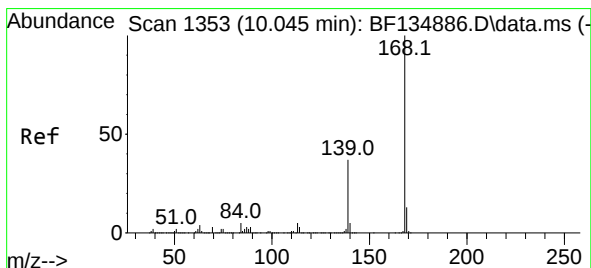
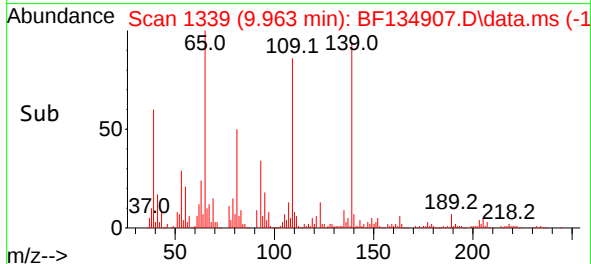
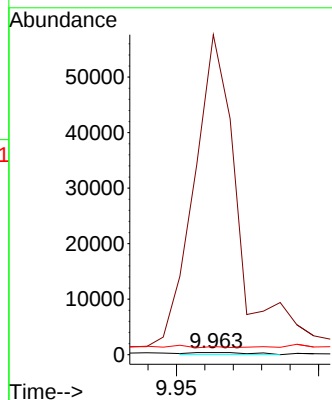
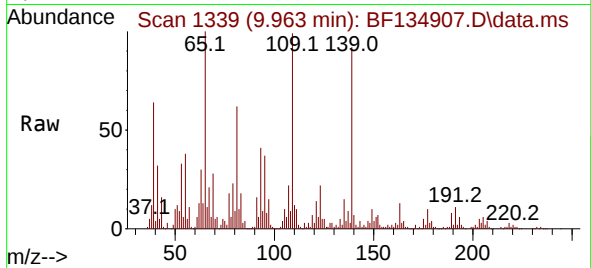




#54
2,4-Dinitrophenol
Concen: 16.623 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.059 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

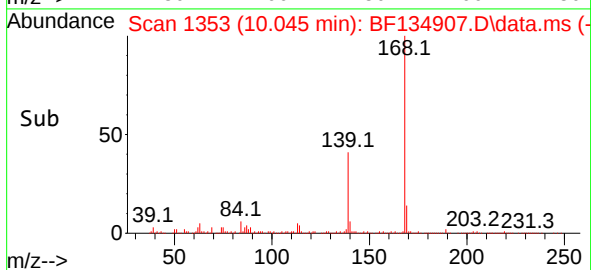
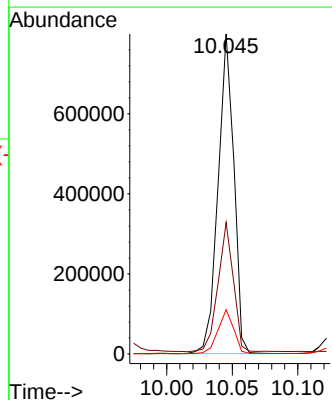
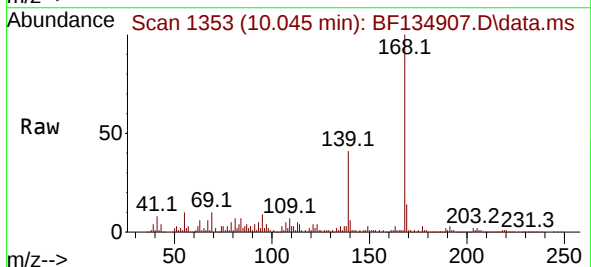
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

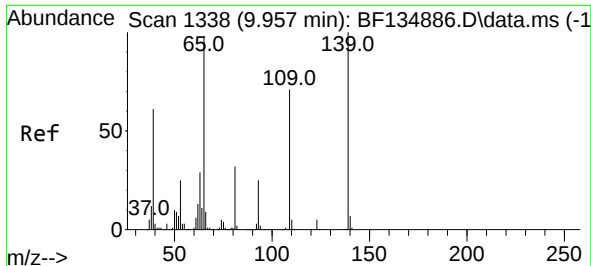
Tgt Ion:184 Resp: 568
Ion Ratio Lower Upper
184 100
63 15091.1 42.8 64.2#
154 383.0 48.0 72.0#



#55
Dibenzofuran
Concen: 1739.658 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:168 Resp: 666431
Ion Ratio Lower Upper
168 100
139 41.1 29.5 44.3
169 13.9 10.7 16.1

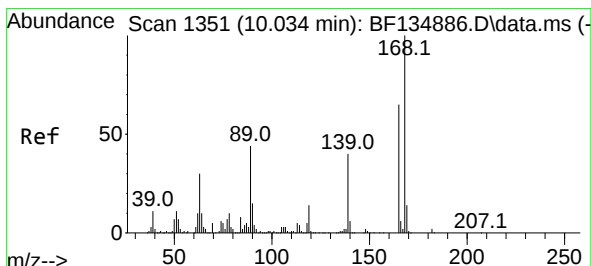
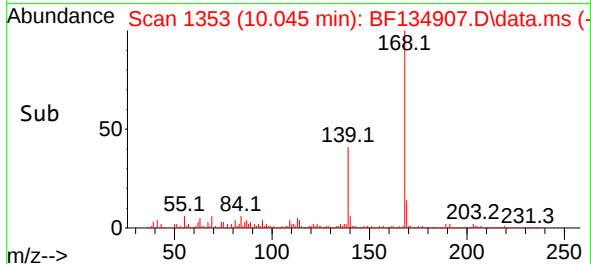
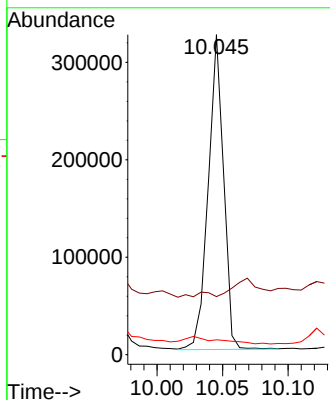
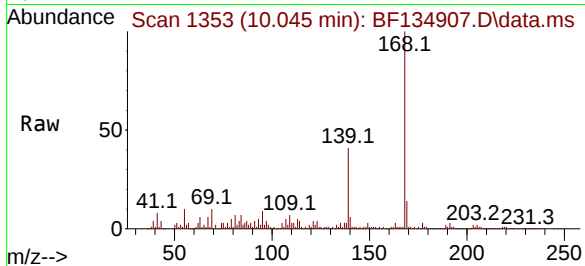




#56
4-Nitrophenol
Concen: 4797.081 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.088 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

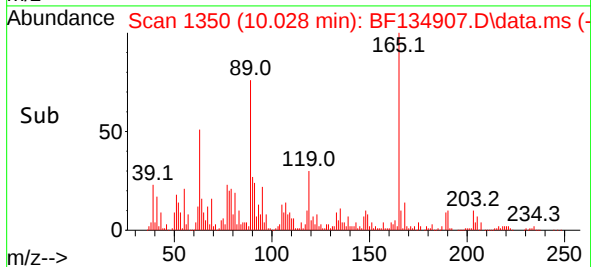
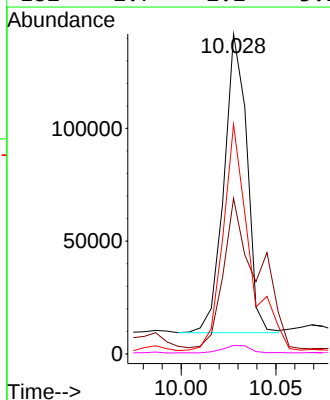
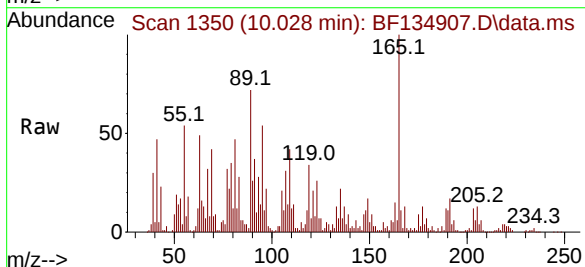
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

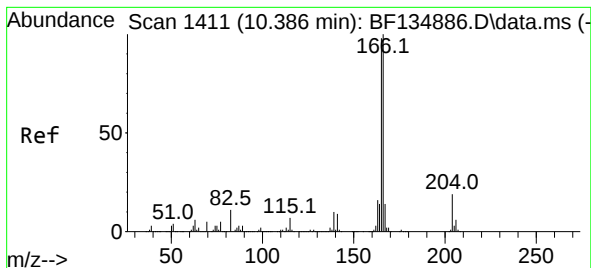
Tgt Ion:139 Resp: 263692
Ion Ratio Lower Upper
139 100
109 18.1 51.0 91.0#
65 4.7 78.5 118.5#



#57
2,4-Dinitrotoluene
Concen: 1249.683 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:165 Resp: 111611
Ion Ratio Lower Upper
165 100
63 48.7 37.7 56.5
89 71.8 54.2 81.4
182 2.7 2.2 3.2





#58

Fluorene

Concen: 1548.463 ng

RT: 10.392 min Scan# 1411

Delta R.T. 0.006 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

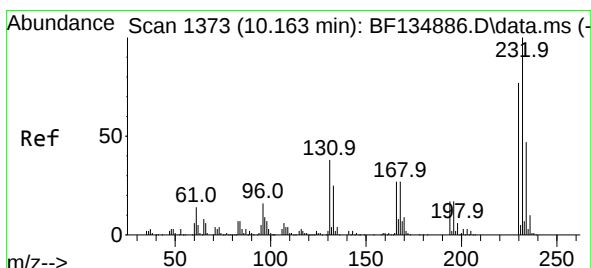
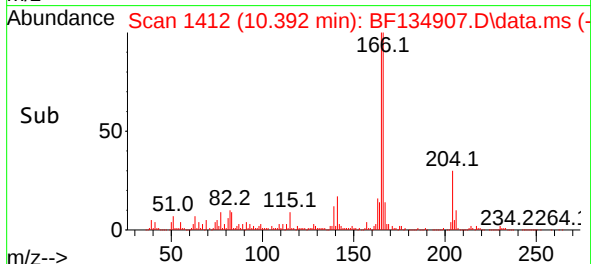
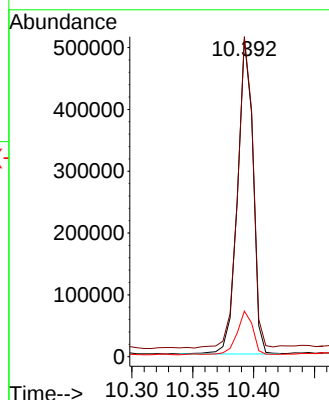
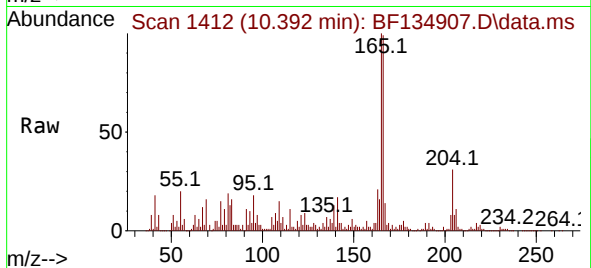
Tgt Ion:166 Resp: 449907

Ion Ratio Lower Upper

166 100

165 100.9 78.5 117.7

167 14.4 11.0 16.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 72.297 ng

RT: 10.239 min Scan# 1386

Delta R.T. 0.077 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Tgt Ion:232 Resp: 6037

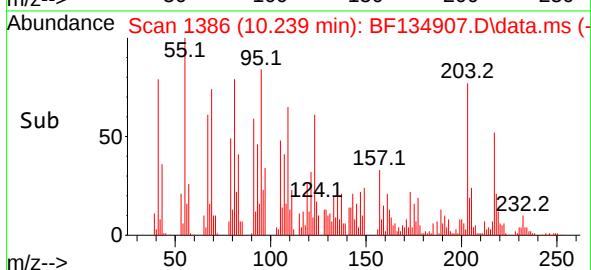
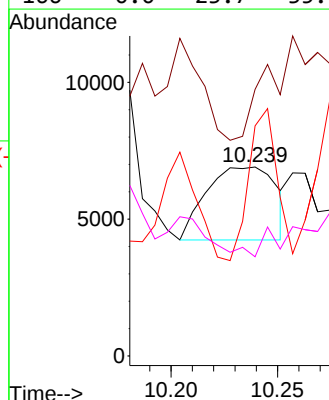
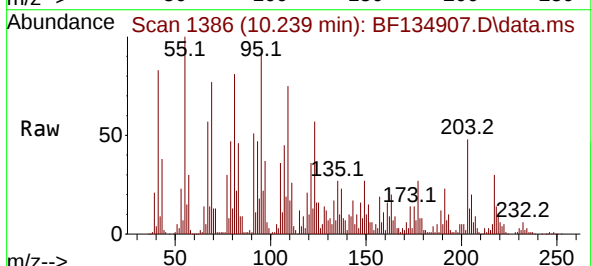
Ion Ratio Lower Upper

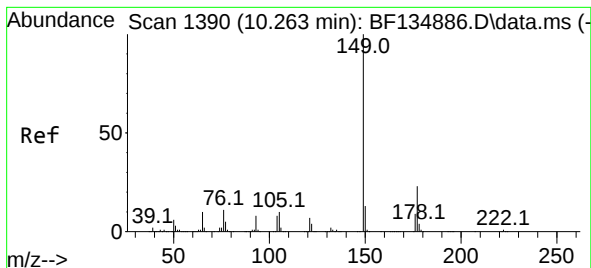
232 100

131 0.0 33.9 50.9#

130 84.6 1.6 2.4#

166 0.0 23.7 35.5#





#60

Diethylphthalate

Concen: 1743.737 ng

RT: 10.275 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

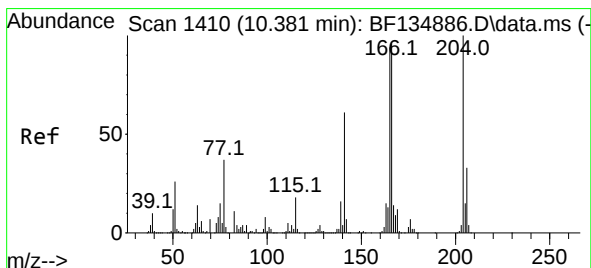
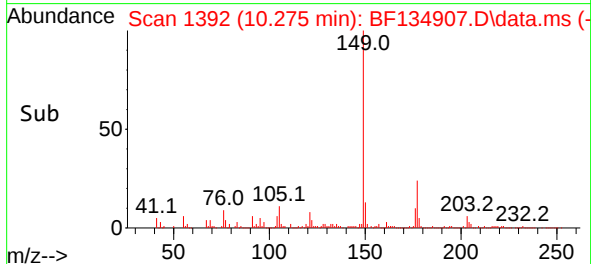
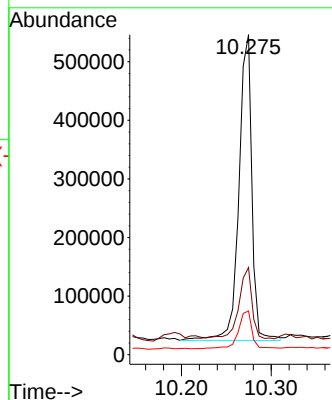
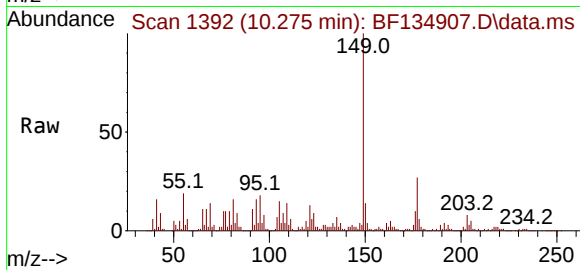
Tgt Ion:149 Resp: 523105

Ion Ratio Lower Upper

149 100

177 27.3 18.4 27.6

150 13.6 10.3 15.5



#61

4-Chlorophenyl-phenylether

Concen: 1618.527 ng

RT: 10.386 min Scan# 1411

Delta R.T. 0.005 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

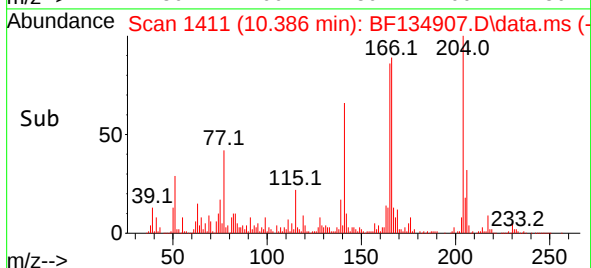
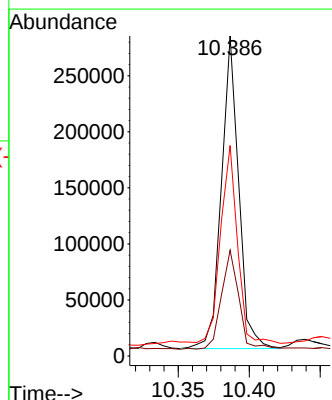
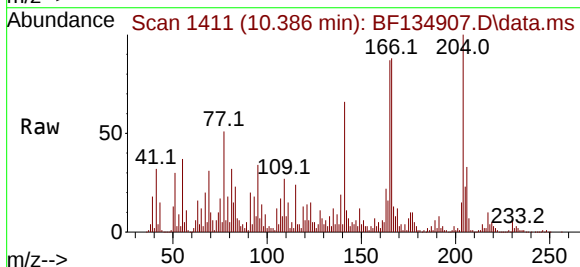
Tgt Ion:204 Resp: 235739

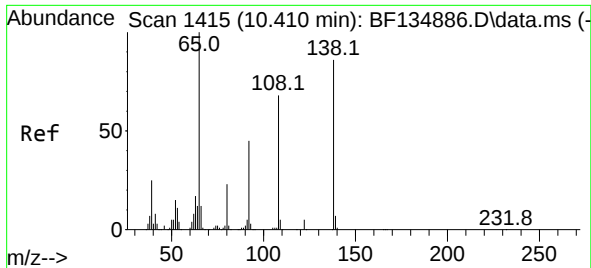
Ion Ratio Lower Upper

204 100

206 33.1 26.3 39.5

141 65.7 48.6 73.0

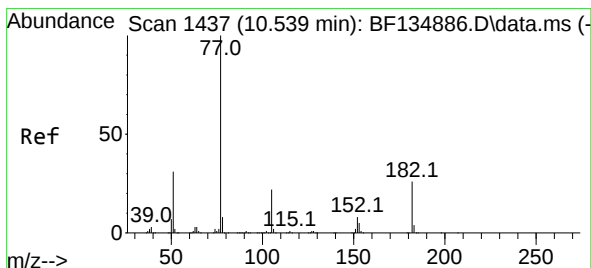
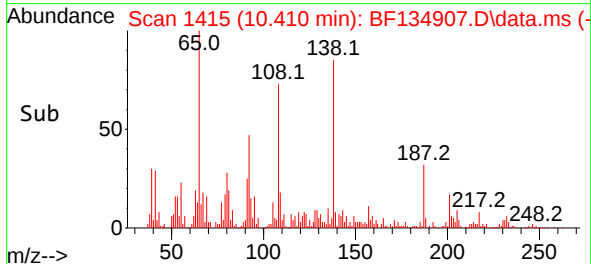
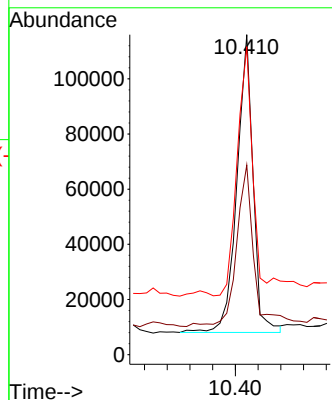
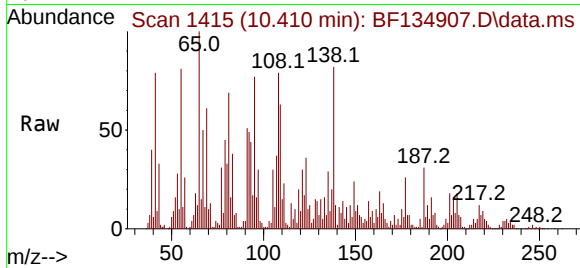




#62
4-Nitroaniline
Concen: 1445.270 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

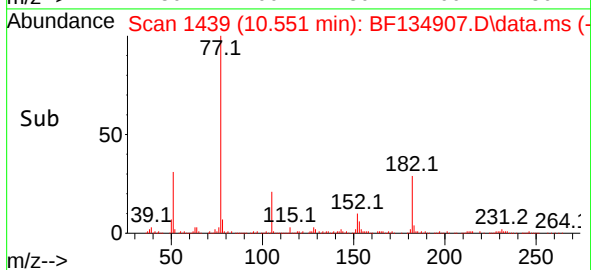
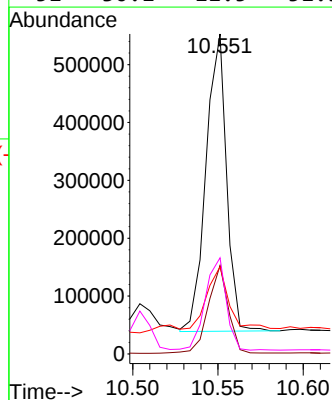
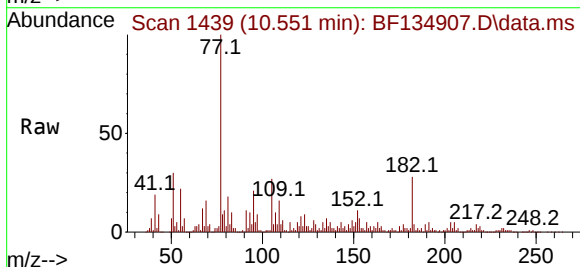
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

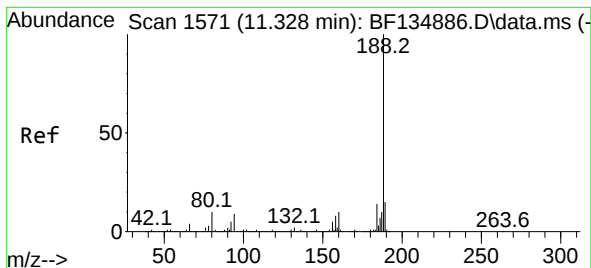
Tgt Ion:	138	Resp:	106570
Ion	Ratio	Lower	Upper
138	100		
92	59.3	32.5	72.5
108	96.3	58.6	98.6



#63
Azobenzene
Concen: 1446.914 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.012 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:	77	Resp:	431206
Ion	Ratio	Lower	Upper
77	100		
182	27.7	5.8	45.8
105	27.3	1.6	41.6
51	30.1	11.5	51.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 11

Delta R.T. 0.118 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

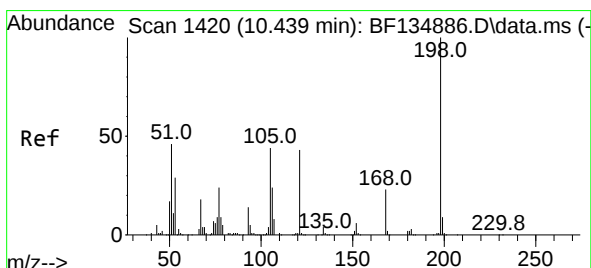
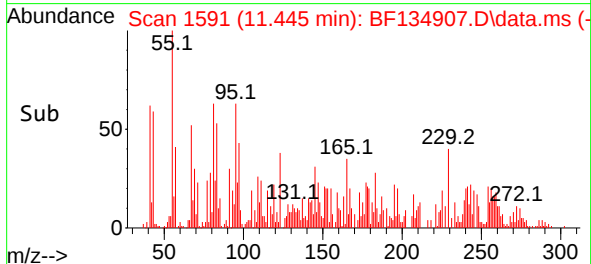
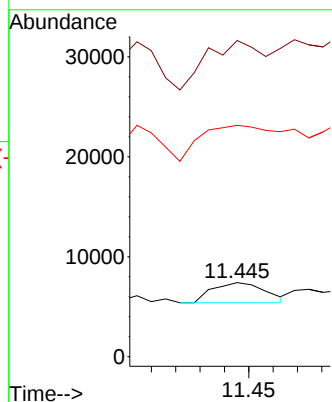
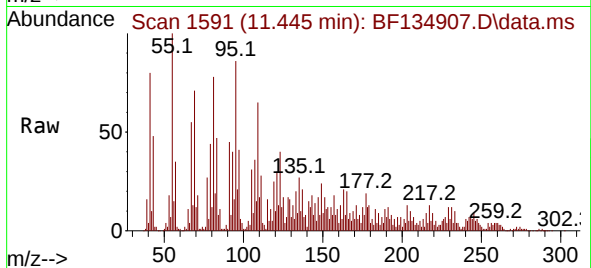
Tgt Ion:188 Resp: 3030

Ion Ratio Lower Upper

188 100

94 427.0 7.5 11.3#

80 312.4 7.8 11.6#



#65

4,6-Dinitro-2-methylphenol

Concen: 84.065 ng

RT: 10.563 min Scan# 1441

Delta R.T. 0.124 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

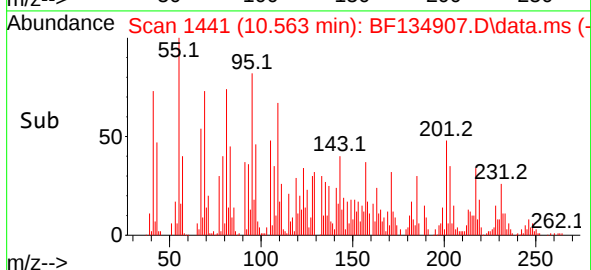
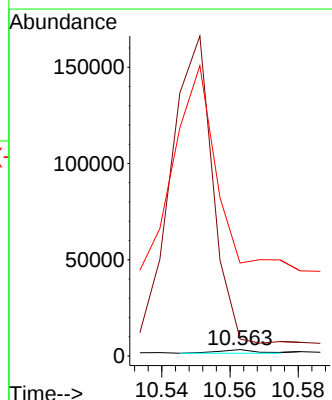
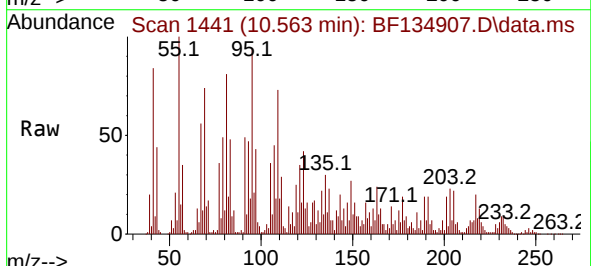
Tgt Ion:198 Resp: 1503

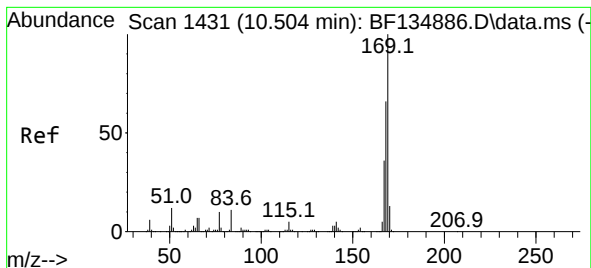
Ion Ratio Lower Upper

198 100

51 265.6 30.3 70.3#

105 1449.8 24.5 64.5#





#66

n-Nitrosodiphenylamine

Concen: 4043.935 ng

RT: 10.504 min Scan# 1431

Delta R.T. 0.000 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

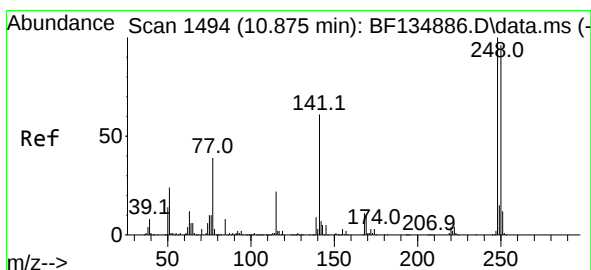
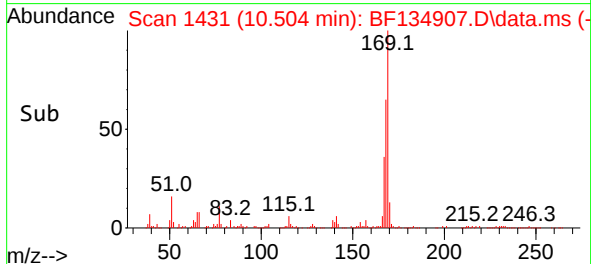
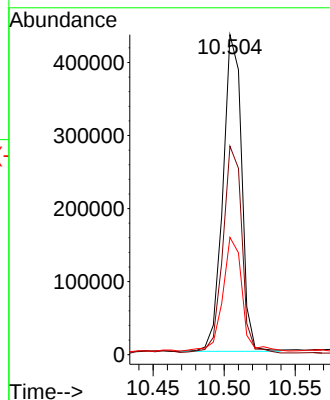
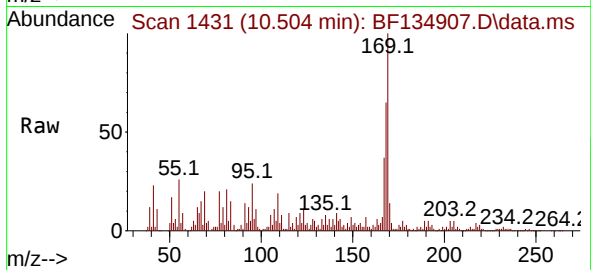
Tgt Ion:169 Resp: 394584

Ion Ratio Lower Upper

169 100

168 65.1 53.0 79.6

167 36.6 29.0 43.6



#67

4-Bromophenyl-phenylether

Concen: 276.082 ng

RT: 10.969 min Scan# 1510

Delta R.T. 0.094 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

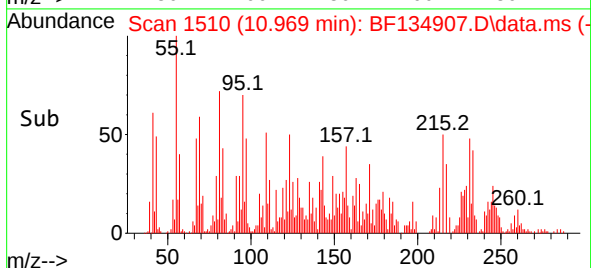
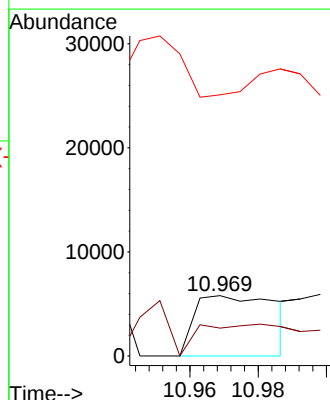
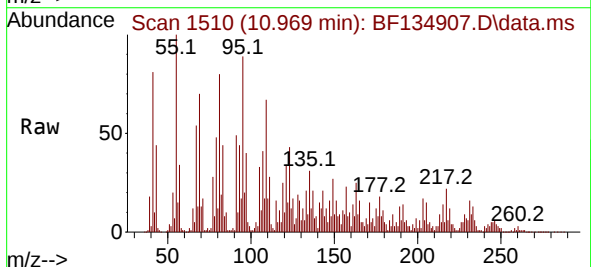
Tgt Ion:248 Resp: 9651

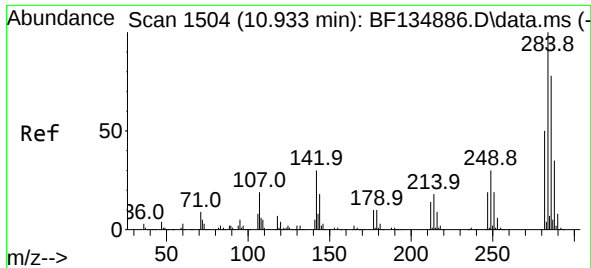
Ion Ratio Lower Upper

248 100

250 46.3 77.1 115.7#

141 432.6 49.0 73.4#

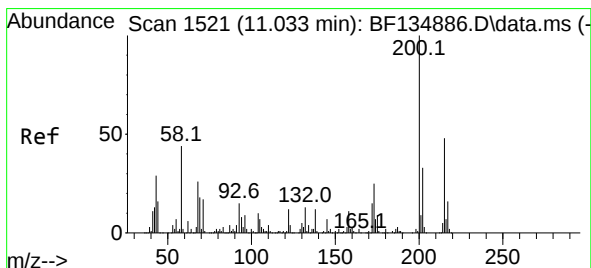
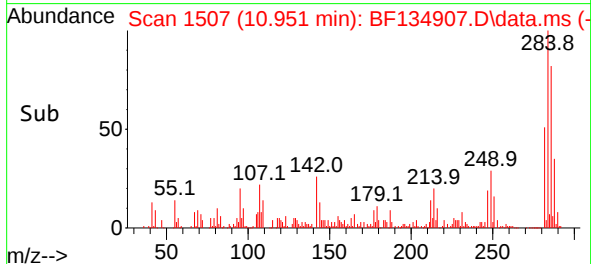
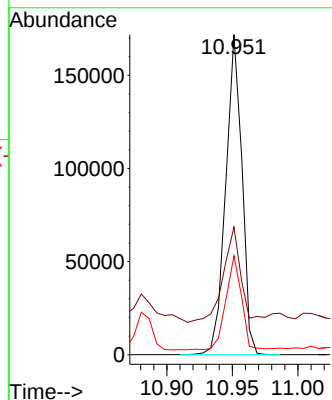
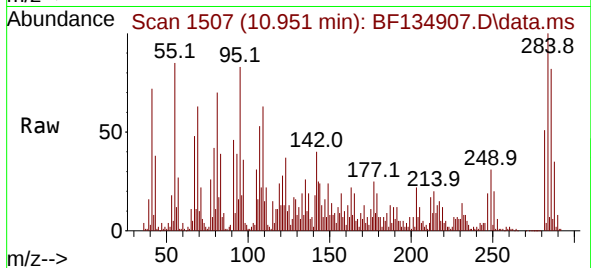




#68
Hexachlorobenzene
Concen: 3967.467 ng
RT: 10.951 min Scan# 1541
Delta R.T. 0.018 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

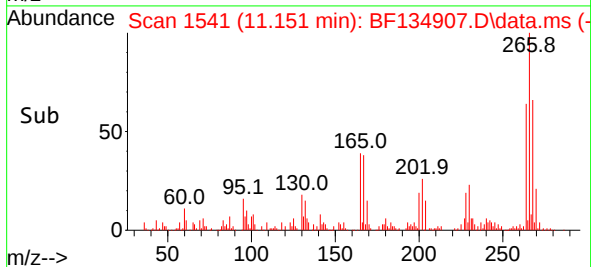
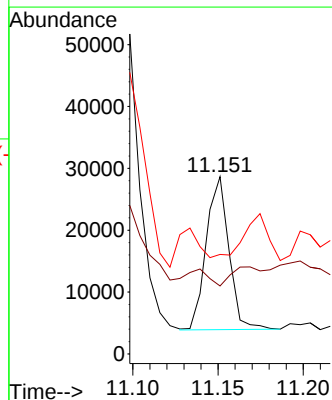
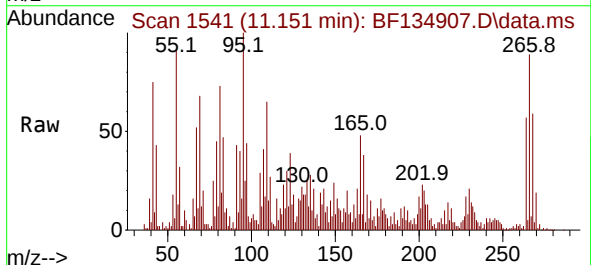
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

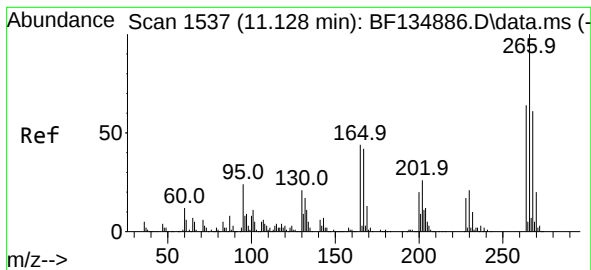
Tgt Ion:284 Resp: 147503
Ion Ratio Lower Upper
284 100
142 39.8 23.9 35.9#
249 30.9 24.1 36.1



#69
Atrazine
Concen: 861.640 ng
RT: 11.151 min Scan# 1541
Delta R.T. 0.118 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:200 Resp: 22830
Ion Ratio Lower Upper
200 100
173 38.4 5.3 45.3
215 56.2 28.3 68.3





#70

Pentachlorophenol

Concen: 6387.299 ng

RT: 11.151 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

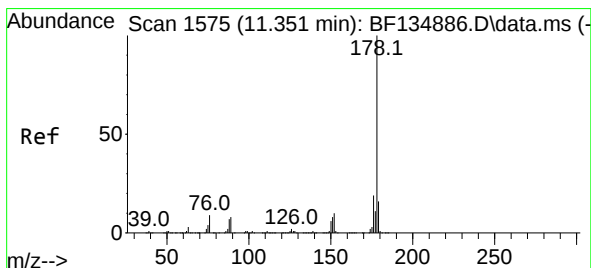
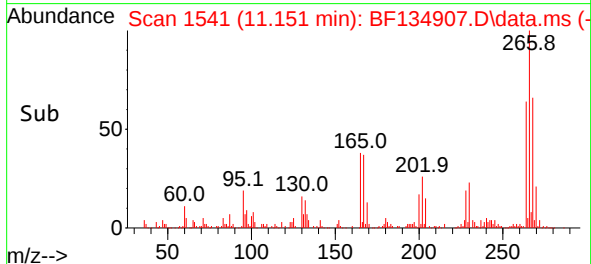
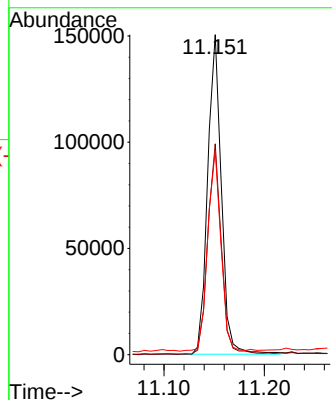
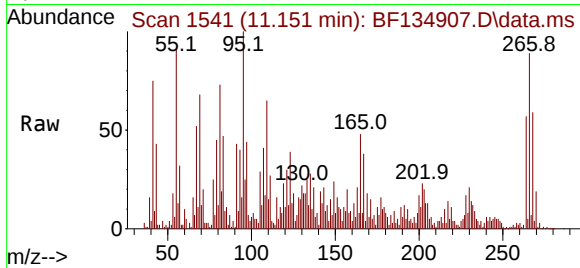
Tgt Ion:266 Resp: 142910

Ion Ratio Lower Upper

266 100

268 65.9 48.9 73.3

264 63.8 51.0 76.6



#71

Phenanthrene

Concen: 3753.314 ng

RT: 11.422 min Scan# 1587

Delta R.T. 0.071 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

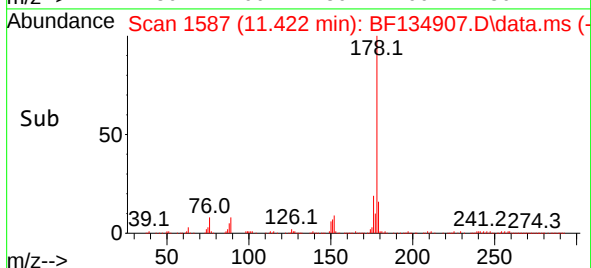
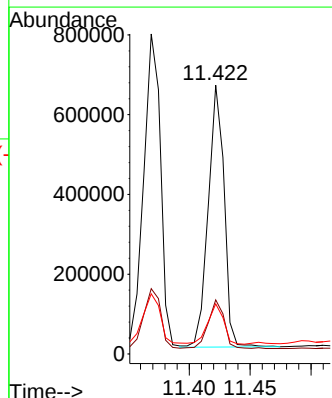
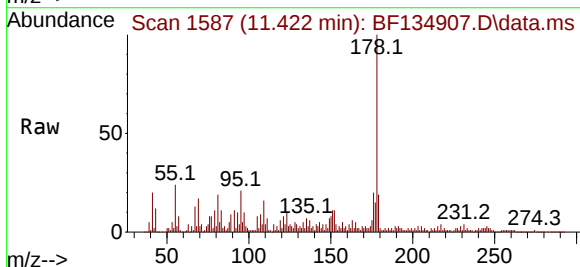
Tgt Ion:178 Resp: 595942

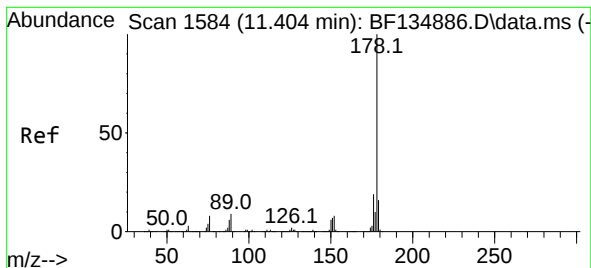
Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

179 18.6 12.6 19.0





#72

Anthracene

Concen: 3663.210 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

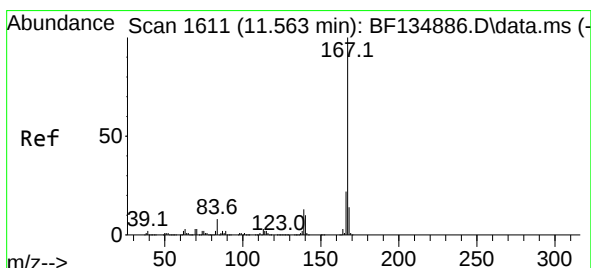
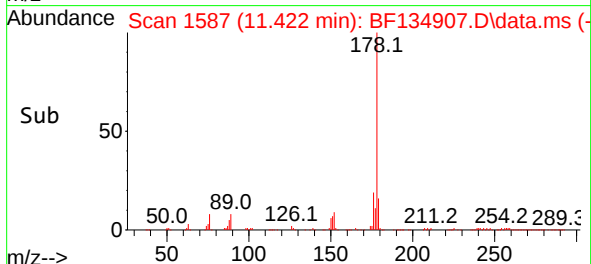
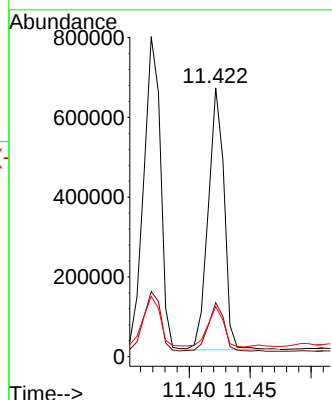
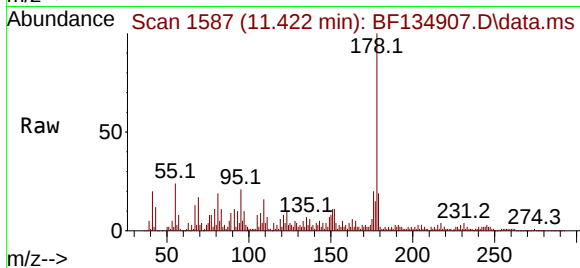
Tgt Ion:178 Resp: 595942

Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.6

179 18.6 12.5 18.7



#73

Carbazole

Concen: 3421.436 ng

RT: 11.581 min Scan# 1614

Delta R.T. 0.018 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

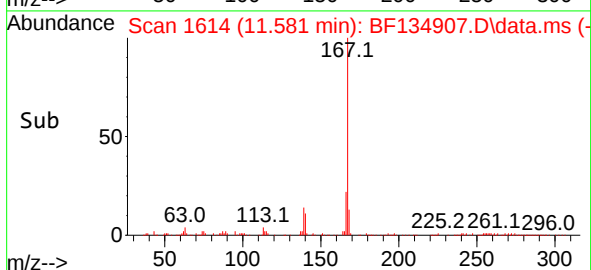
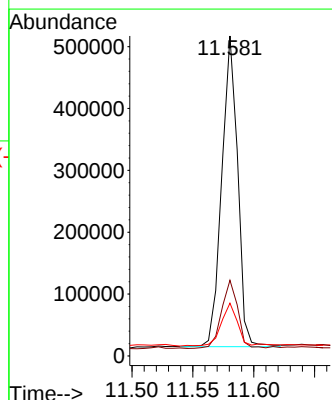
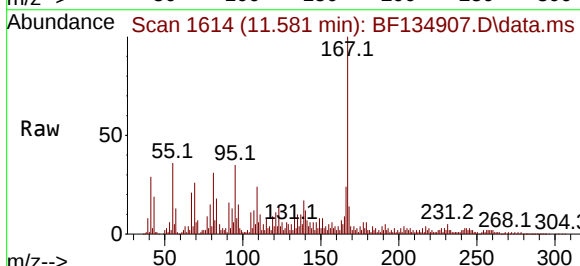
Tgt Ion:167 Resp: 458657

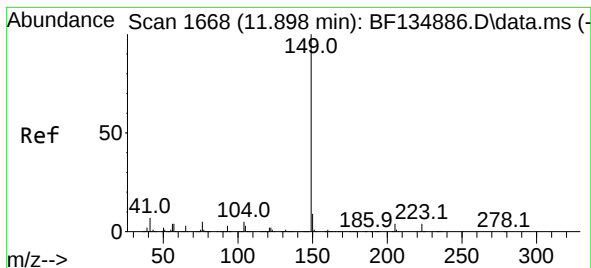
Ion Ratio Lower Upper

167 100

166 23.7 17.4 26.2

139 16.5 10.4 15.6#





#74

Di-n-butylphthalate

Concen: 3278.580 ng

RT: 11.922 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

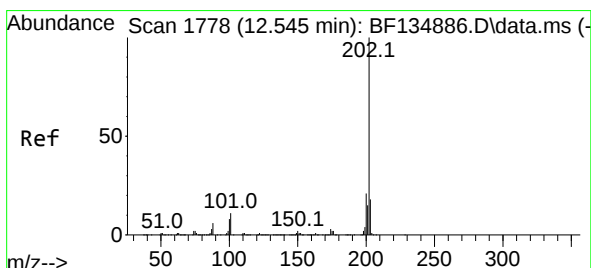
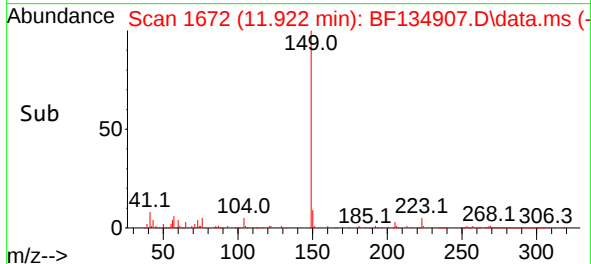
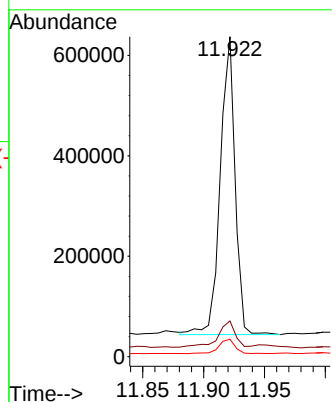
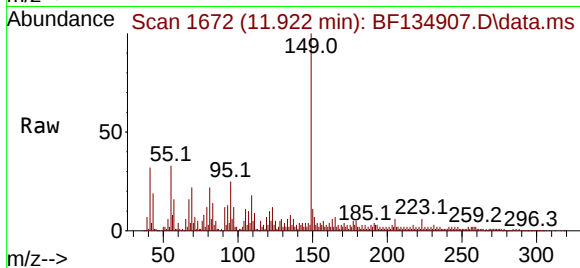
Tgt Ion:149 Resp: 504070

Ion Ratio Lower Upper

149 100

150 11.1 7.4 11.2

104 5.4 4.1 6.1



#75

Fluoranthene

Concen: 6672.750 ng

RT: 12.580 min Scan# 1784

Delta R.T. 0.035 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

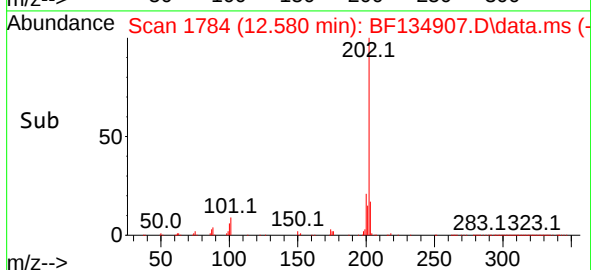
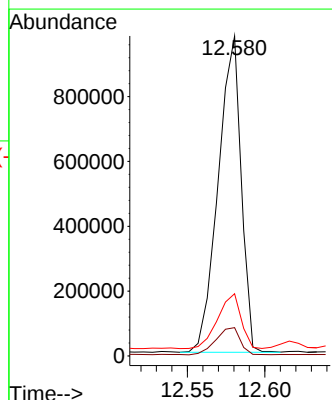
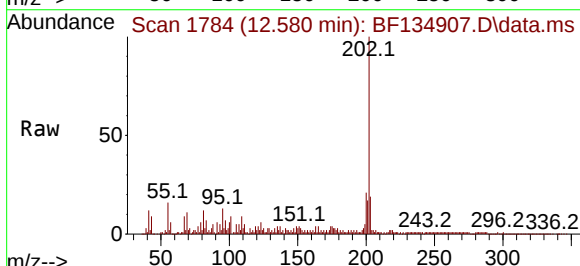
Tgt Ion:202 Resp: 1003868

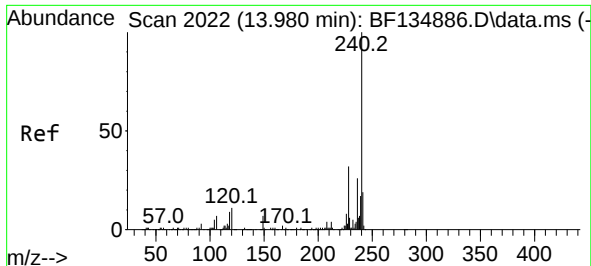
Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.5

203 19.5 0.0 37.8

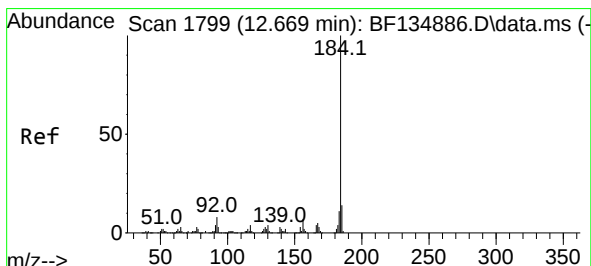
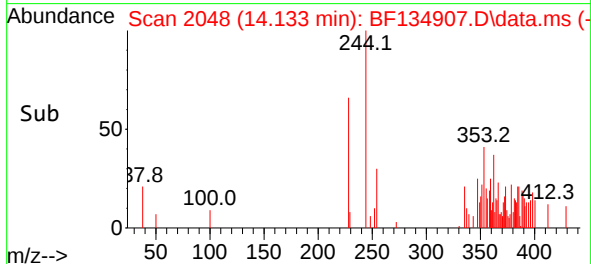
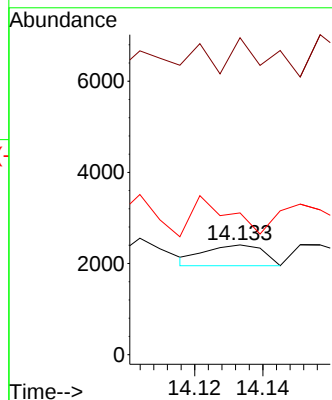
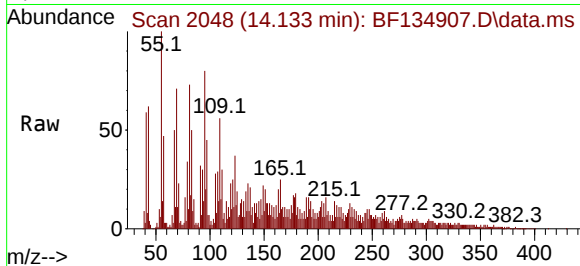




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2022
Delta R.T. 0.153 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

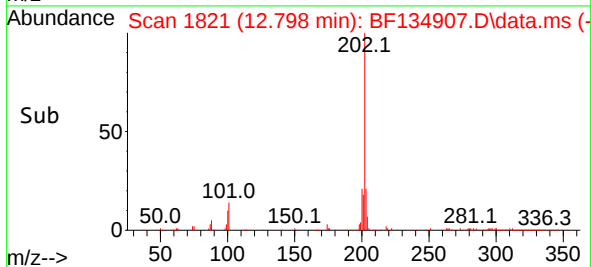
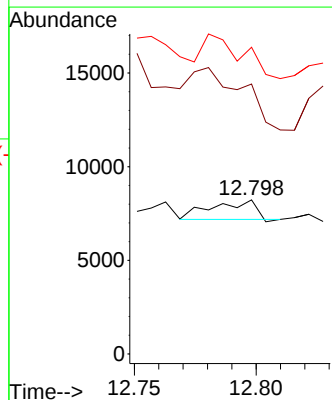
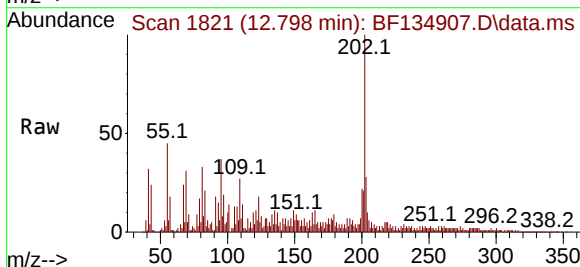
Instrument :
BNA_F
ClientSampleId :
WC-1MSD

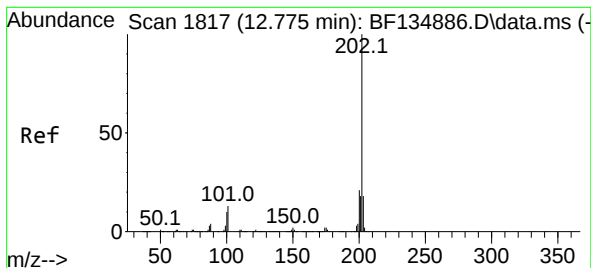
Tgt Ion:240 Resp: 537
Ion Ratio Lower Upper
240 100
120 288.9 8.6 12.8#
236 129.2 20.6 31.0#



#77
Benzidine
Concen: 143.698 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.129 min
Lab File: BF134907.D
Acq: 23 Aug 2023 16:37

Tgt Ion:184 Resp: 1252
Ion Ratio Lower Upper
184 100
185 175.2 11.4 17.0#
183 199.2 9.0 13.4#





#78

Pyrene

Concen: 17560.490 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.035 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

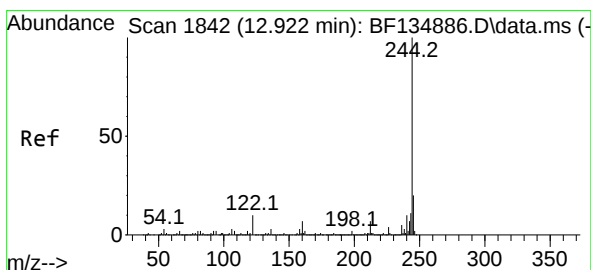
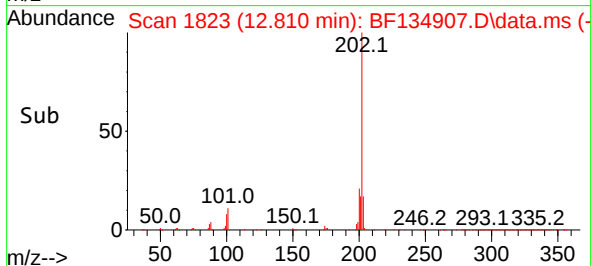
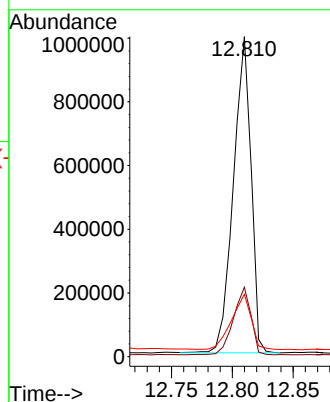
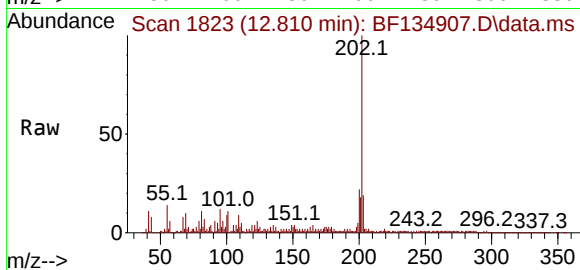
Tgt Ion:202 Resp: 999825

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 19.5 14.2 21.2



#79

Terphenyl-d14

Concen: 17368.861 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.029 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

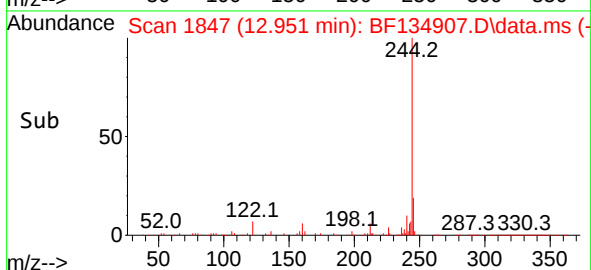
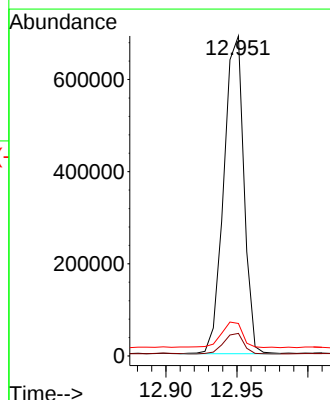
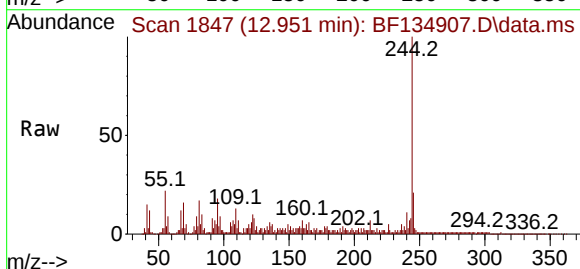
Tgt Ion:244 Resp: 678135

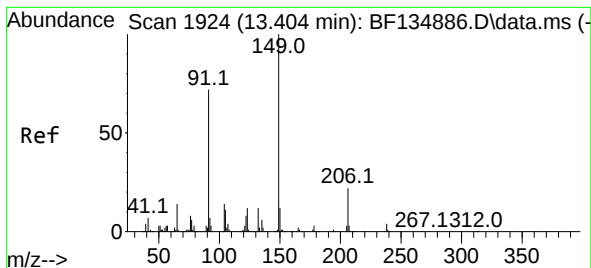
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.2 8.2 12.4





#80

Butylbenzylphthalate

Concen: 15159.201 ng

RT: 13.427 min Scan# 1928

Delta R.T. 0.023 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

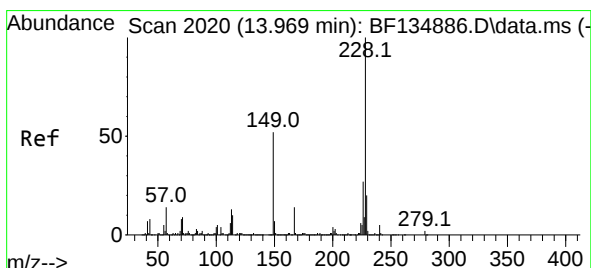
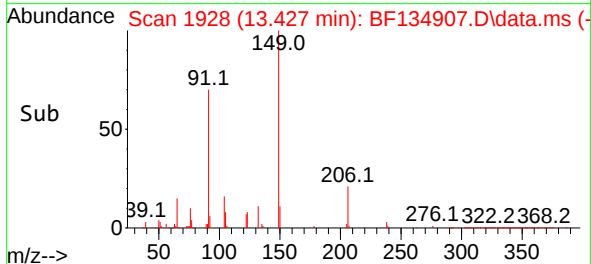
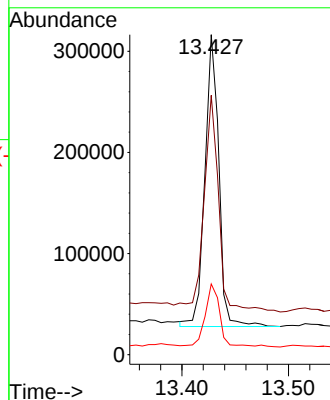
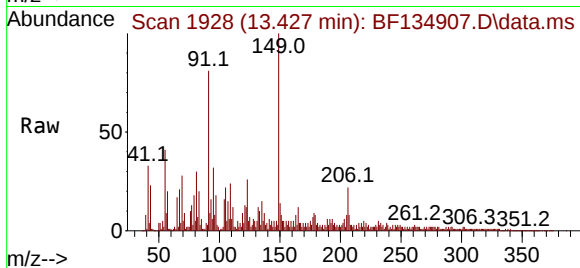
Tgt Ion:149 Resp: 262964

Ion Ratio Lower Upper

149 100

91 81.1 57.2 85.8

206 22.1 18.0 27.0



#81

Benzo(a)anthracene

Concen: 22277.476 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.065 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

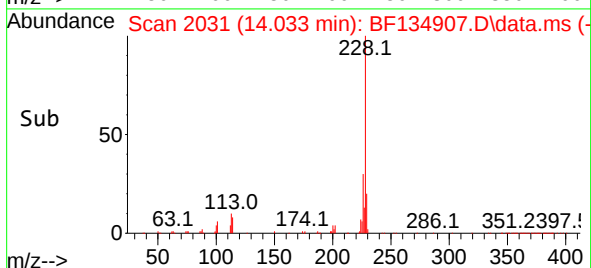
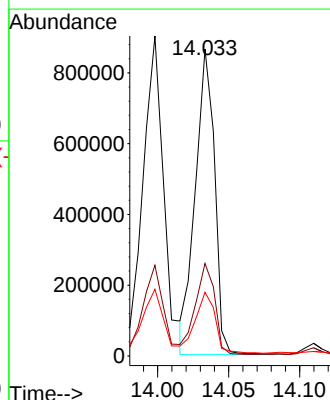
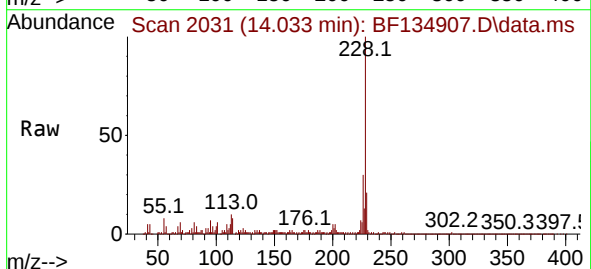
Tgt Ion:228 Resp: 816209

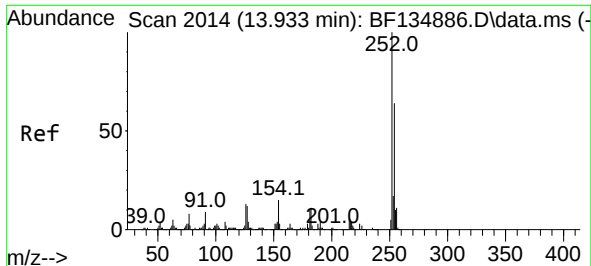
Ion Ratio Lower Upper

228 100

226 30.1 21.8 32.6

229 20.7 15.6 23.4

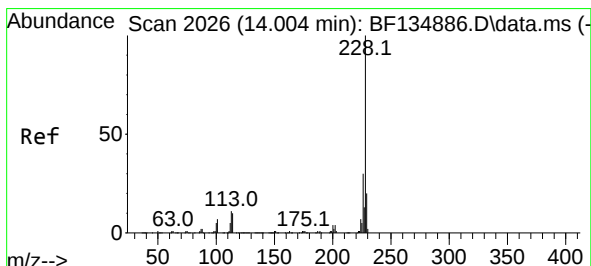
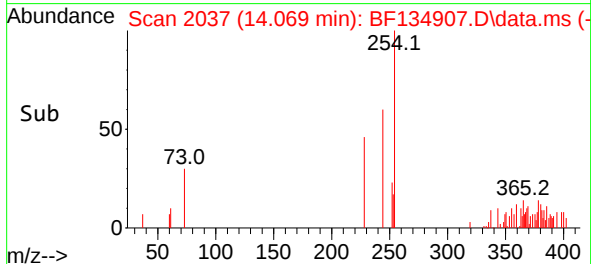
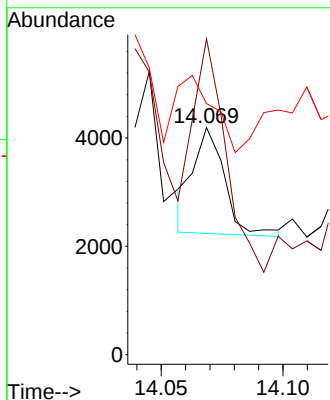
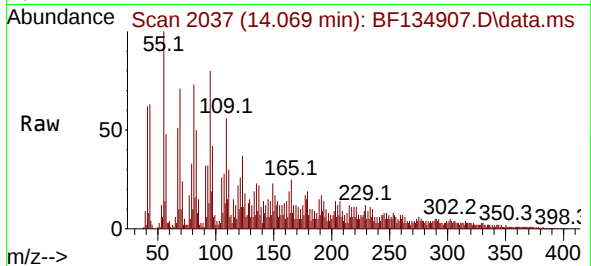




#82
 3,3'-Dichlorobenzidine
 Concen: 149.188 ng
 RT: 14.069 min Scan# 2037
 Delta R.T. 0.136 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

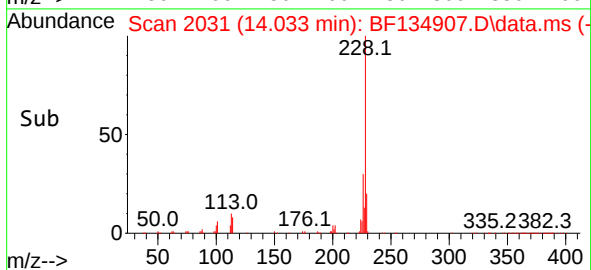
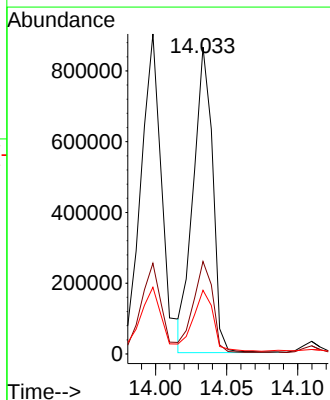
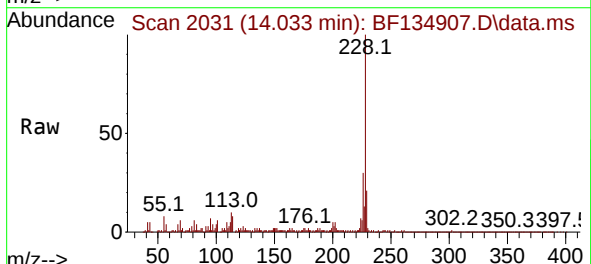
Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

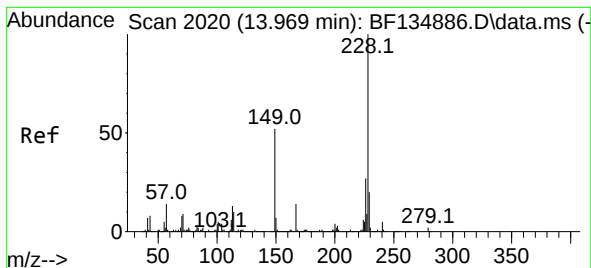
Tgt Ion:252 Resp: 1730
 Ion Ratio Lower Upper
 252 100
 254 139.1 51.6 77.4#
 126 110.6 10.3 15.5#



#83
 Chrysene
 Concen: 22578.640 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.029 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Tgt Ion:228 Resp: 816209
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.2 36.2
 229 20.7 16.0 24.0

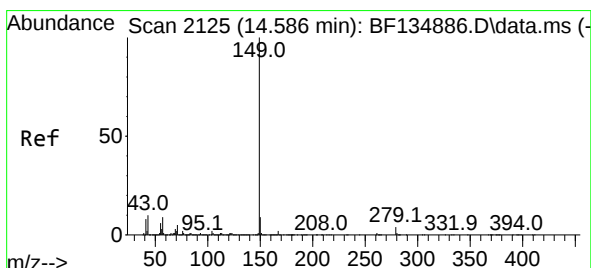
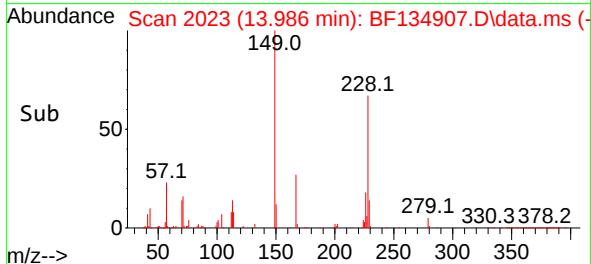
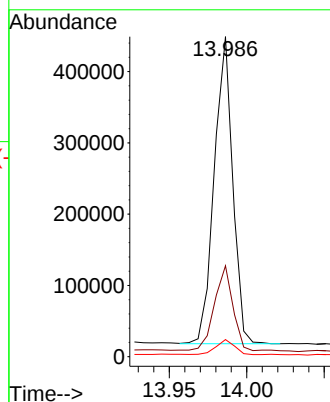
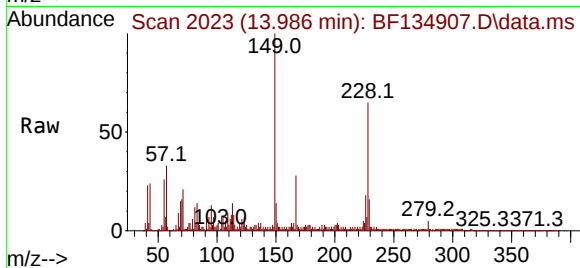




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 18990.467 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.018 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

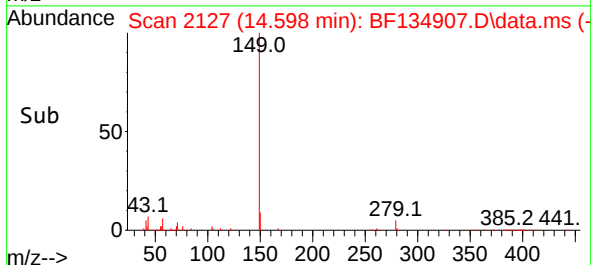
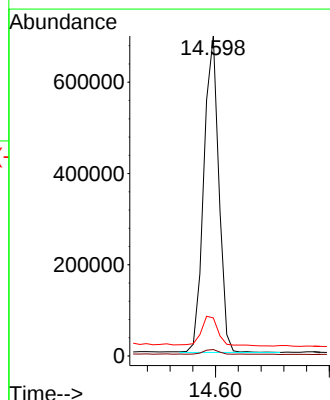
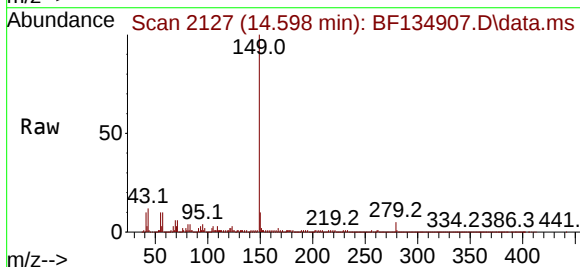
Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

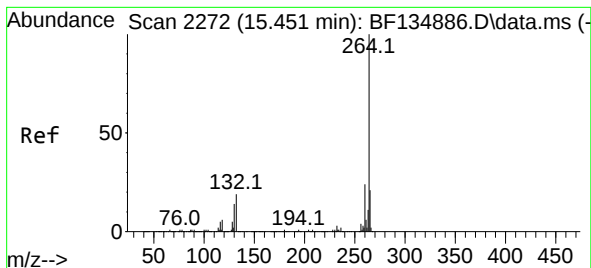
Tgt Ion:149 Resp: 356848
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.1 33.1
 279 5.4 3.6 5.4



#85
 Di-n-octyl phthalate
 Concen: 20676.379 ng
 RT: 14.598 min Scan# 2127
 Delta R.T. 0.012 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Tgt Ion:149 Resp: 633553
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 10.9 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.188 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

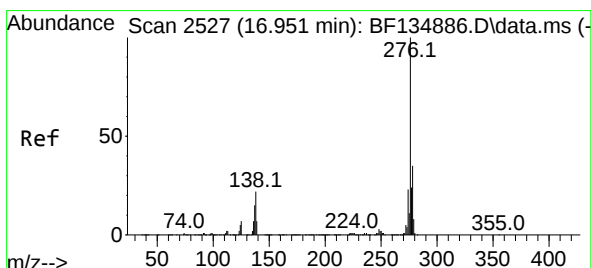
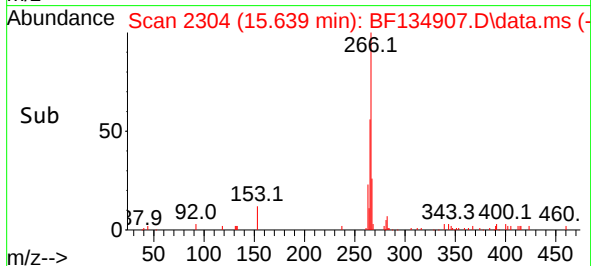
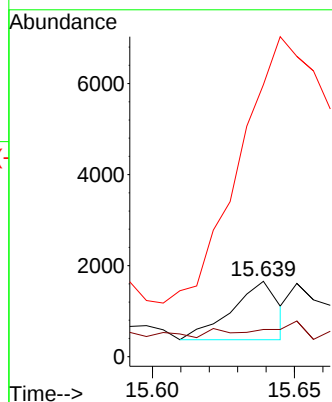
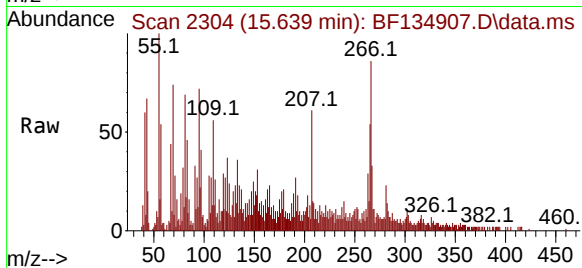
Tgt Ion:264 Resp: 1478

Ion Ratio Lower Upper

264 100

260 36.1 19.0 28.6#

265 360.9 17.1 25.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 5994.595 ng

RT: 16.963 min Scan# 2529

Delta R.T. 0.012 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

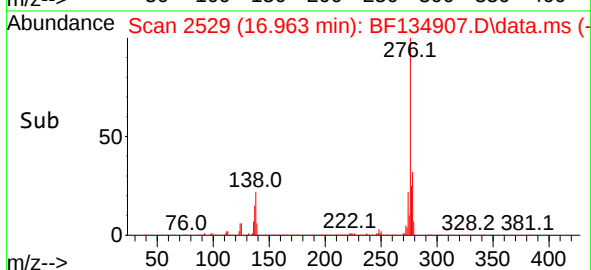
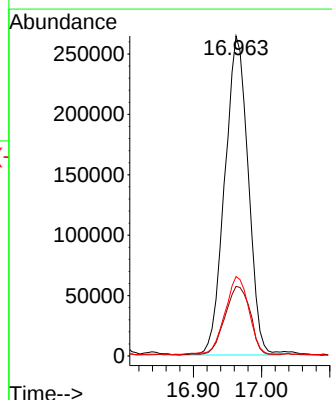
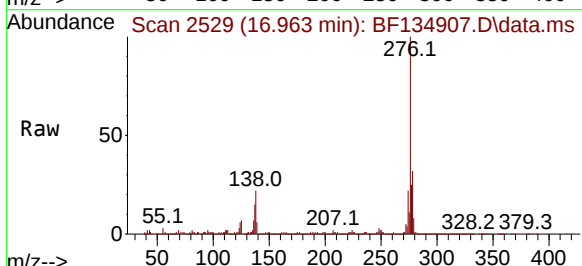
Tgt Ion:276 Resp: 633305

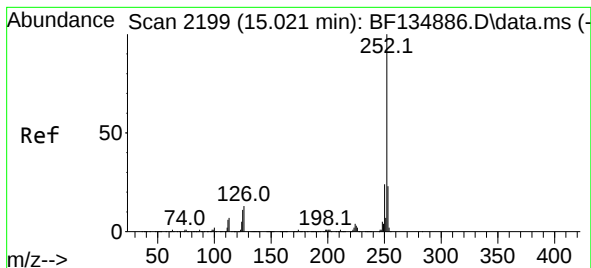
Ion Ratio Lower Upper

276 100

138 23.1 19.7 29.5

277 24.7 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 10041.897 ng

RT: 15.045 min Scan# 2199

Delta R.T. 0.024 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

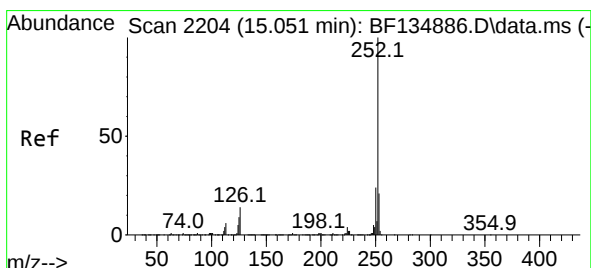
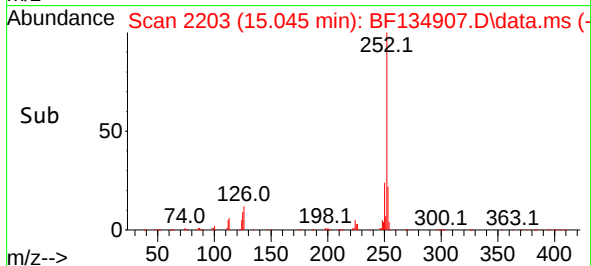
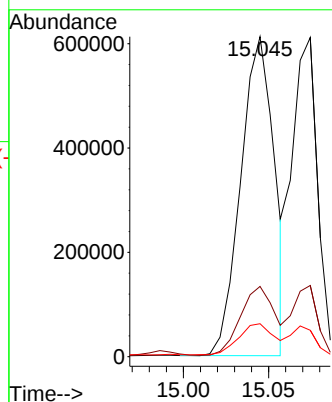
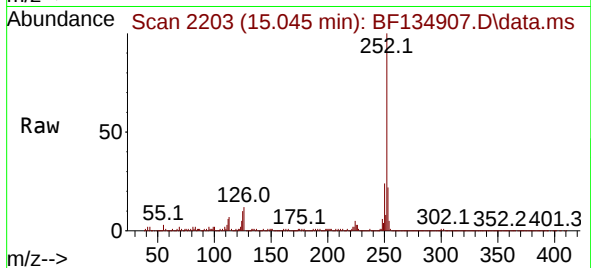
Tgt Ion:252 Resp: 837372

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

125 10.3 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 7686.950 ng

RT: 15.074 min Scan# 2208

Delta R.T. 0.024 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

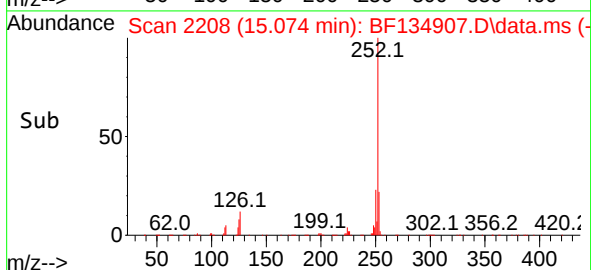
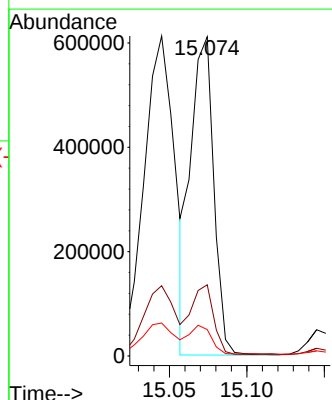
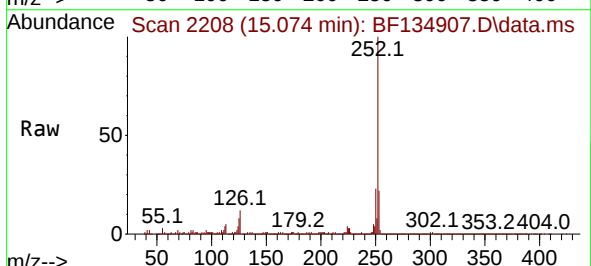
Tgt Ion:252 Resp: 629445

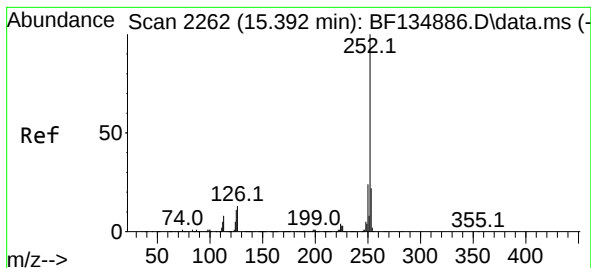
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 8.3 8.0 12.0





#90

Benzo(a)pyrene

Concen: 8021.033 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

Instrument :

BNA_F

ClientSampleId :

WC-1MSD

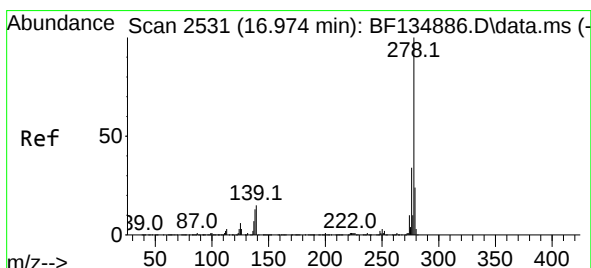
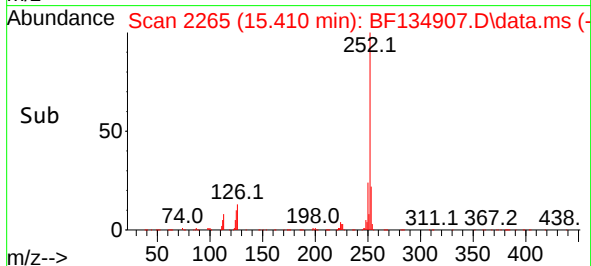
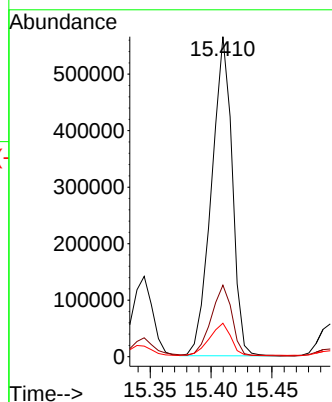
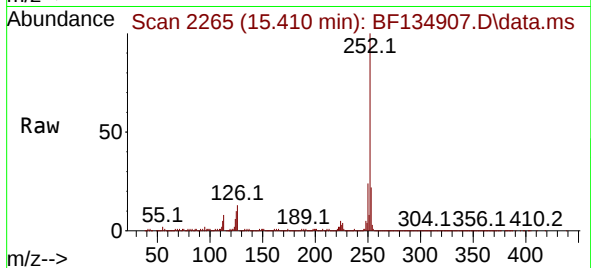
Tgt Ion:252 Resp: 667708

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.4 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 353.743 ng

RT: 17.139 min Scan# 2559

Delta R.T. 0.165 min

Lab File: BF134907.D

Acq: 23 Aug 2023 16:37

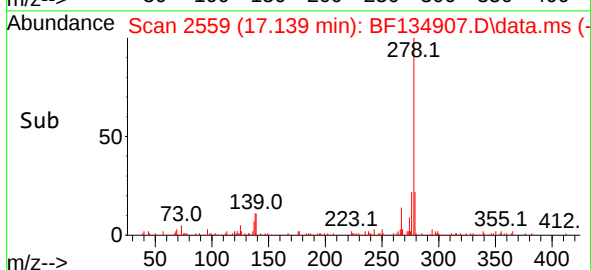
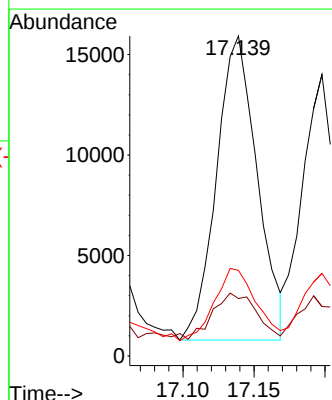
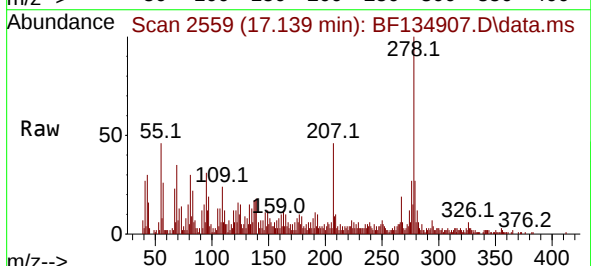
Tgt Ion:278 Resp: 30238

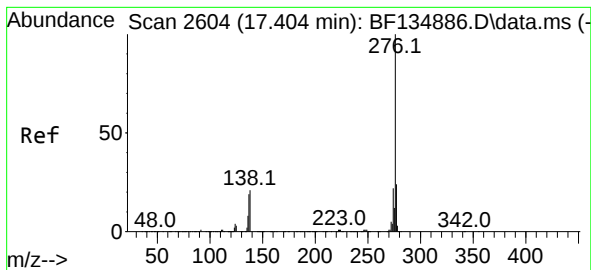
Ion Ratio Lower Upper

278 100

139 18.0 12.2 18.4

279 26.8 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 5902.374 ng
 RT: 17.415 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134907.D
 Acq: 23 Aug 2023 16:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-1MSD

Tgt Ion:276 Resp: 516485
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.2 28.8
 138 21.8 17.0 25.6

