

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133077.D
 Acq On : 26 Apr 2023 21:34
 Operator : CG\JU
 Sample : 02427-14MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20230353-COMP-31MSD

Quant Time: Apr 27 02:02:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	168189	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	689387	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	362729	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	659347	20.000	ng	0.00
76) Chrysene-d12	13.892	240	375146	20.000	ng	0.00
86) Perylene-d12	15.304	264	373515	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1200331	107.809	ng	0.01
7) Phenol-d6	6.381	99	1479299	107.045	ng	0.00
23) Nitrobenzene-d5	7.304	82	856137	67.033	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	403500	110.611	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1389173	64.072	ng	0.00
79) Terphenyl-d14	12.839	244	1517258	69.753	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.463	88	233446	45.204	ng	98
3) Pyridine	3.157	79	591661	43.136	ng	97
4) n-Nitrosodimethylamine	3.116	42	309712	43.593	ng	92
6) Aniline	6.398	93	696396	39.126	ng	# 90
8) 2-Chlorophenol	6.522	128	575643	50.922	ng	95
9) Benzaldehyde	6.281	77	339941	66.444	ng	99
10) Phenol	6.392	94	699835	45.905	ng	77
11) bis(2-Chloroethyl)ether	6.475	93	547324	47.842	ng	96
12) 1,3-Dichlorobenzene	6.675	146	610502	50.796	ng	99
13) 1,4-Dichlorobenzene	6.751	146	610472	50.681	ng	99
14) 1,2-Dichlorobenzene	6.904	146	591347	53.250	ng	97
15) Benzyl Alcohol	6.881	79	466669	48.887	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.016	45	890770	44.829	ng	98
17) 2-Methylphenol	6.998	107	465417	44.962	ng	99
18) Hexachloroethane	7.251	117	211389	50.477	ng	99
19) n-Nitroso-di-n-propyla...	7.157	70	380223	44.195	ng	96
20) 3+4-Methylphenols	7.151	107	566135	46.441	ng	100
22) Acetophenone	7.145	105	758334	47.487	ng	# 98
24) Nitrobenzene	7.322	77	587965	45.430	ng	99
25) Isophorone	7.563	82	1086597	44.809	ng	99
26) 2-Nitrophenol	7.639	139	325942	52.215	ng	91
27) 2,4-Dimethylphenol	7.681	122	518154	48.408	ng	100
28) bis(2-Chloroethoxy)met...	7.775	93	652683	45.497	ng	99
29) 2,4-Dichlorophenol	7.881	162	479822	49.241	ng	100
30) 1,2,4-Trichlorobenzene	7.963	180	494635	48.998	ng	99
31) Naphthalene	8.045	128	1607211	46.630	ng	100
32) Benzoic acid	7.804	122	359739	54.409	ng	96
33) 4-Chloroaniline	8.092	127	384331	27.598	ng	100
34) Hexachlorobutadiene	8.163	225	266149	47.568	ng	99
35) Caprolactam	8.504	113	59836	18.279	ng	97
36) 4-Chloro-3-methylphenol	8.580	107	520438	49.528	ng	96
37) 2-Methylnaphthalene	8.733	142	1065785	45.229	ng	98
38) 1-Methylnaphthalene	8.833	142	1011170	45.870	ng	100
40) 1,2,4,5-Tetrachloroben...	8.904	216	444488	45.576	ng	100
41) Hexachlorocyclopentadiene	8.892	237	470599	82.738	ng	99
43) 2,4,6-Trichlorophenol	9.010	196	325643	48.281	ng	98

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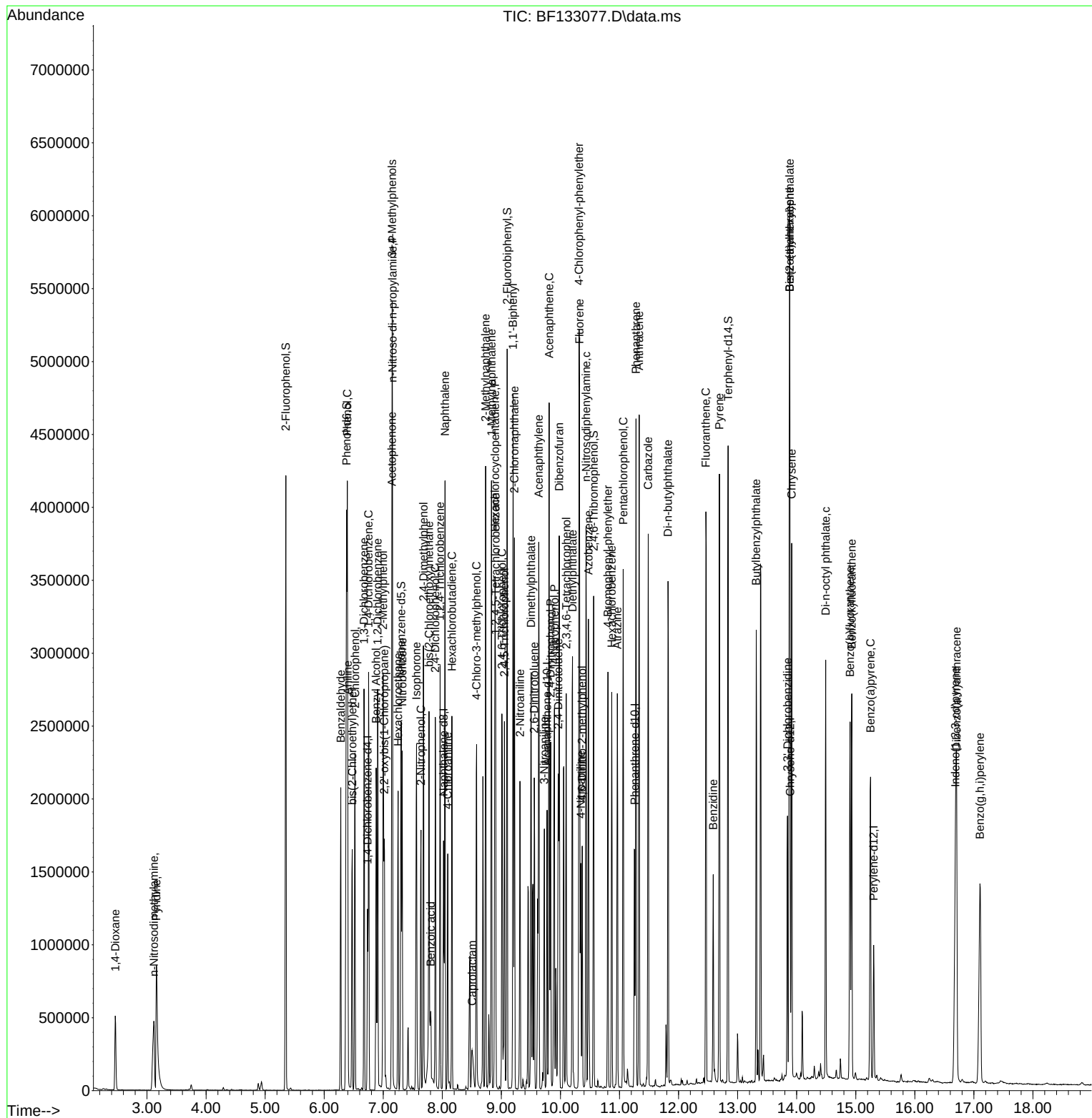
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	340040	43.592	ng	99
46) 1,1'-Biphenyl	9.198	154	1300836	45.226	ng	99
47) 2-Chloronaphthalene	9.222	162	996089	47.315	ng	99
48) 2-Nitroaniline	9.316	65	321649	46.229	ng	97
49) Acenaphthylene	9.633	152	1552591	46.155	ng	99
50) Dimethylphthalate	9.504	163	1174610	46.441	ng	99
51) 2,6-Dinitrotoluene	9.557	165	280610	49.293	ng	97
52) Acenaphthene	9.810	154	1011197	44.883	ng	99
53) 3-Nitroaniline	9.727	138	255472	37.743	ng	99
54) 2,4-Dinitrophenol	9.833	184	309489	108.160	ng	98
55) Dibenzofuran	9.980	168	1399548	45.540	ng	98
56) 4-Nitrophenol	9.898	139	512384	97.737	ng	97
57) 2,4-Dinitrotoluene	9.963	165	373101	51.393	ng	93
58) Fluorene	10.322	166	1033826	45.916	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.098	232	296369	49.008	ng	97
60) Diethylphthalate	10.204	149	1112815	46.580	ng	98
61) 4-Chlorophenyl-phenyle...	10.316	204	498090	45.395	ng	99
62) 4-Nitroaniline	10.345	138	315429	50.703	ng	98
63) Azobenzene	10.474	77	1149325	45.414	ng	99
65) 4,6-Dinitro-2-methylph...	10.369	198	214393	53.646	ng	81
66) n-Nitrosodiphenylamine	10.433	169	959932	44.883	ng	99
67) 4-Bromophenyl-phenylether	10.804	248	323357	45.218	ng	98
68) Hexachlorobenzene	10.869	284	358635	48.943	ng	97
69) Atrazine	10.963	200	334140	54.220	ng	98
70) Pentachlorophenol	11.063	266	417862	80.071	ng	99
71) Phenanthrene	11.280	178	1628137	45.943	ng	99
72) Anthracene	11.333	178	1637540	45.153	ng	99
73) Carbazole	11.486	167	1527477	47.301	ng	99
74) Di-n-butylphthalate	11.821	149	1791741	49.029	ng	100
75) Fluoranthene	12.463	202	1659984	46.673	ng	100
77) Benzidine	12.586	184	515263	81.222	ng	# 94
78) Pyrene	12.692	202	1704069	52.989	ng	99
80) Butylbenzylphthalate	13.315	149	706200	62.021	ng	95
81) Benzo(a)anthracene	13.880	228	1216862	47.170	ng	99
82) 3,3'-Dichlorobenzidine	13.845	252	363264	50.973	ng	99
83) Chrysene	13.915	228	1181902	45.826	ng	99
84) Bis(2-ethylhexyl)phtha...	13.880	149	801624	56.088	ng	99
85) Di-n-octyl phthalate	14.492	149	1296075	55.615	ng	96
87) Indeno(1,2,3-cd)pyrene	16.686	276	1338284	62.989	ng	100
88) Benzo(b)fluoranthene	14.904	252	1106237	46.554	ng	99
89) Benzo(k)fluoranthene	14.933	252	1032945	43.851	ng	99
90) Benzo(a)pyrene	15.251	252	967464	44.730	ng	100
91) Dibenzo(a,h)anthracene	16.709	278	1108754	62.569	ng	96
92) Benzo(g,h,i)perylene	17.103	276	1087215	62.146	ng	98

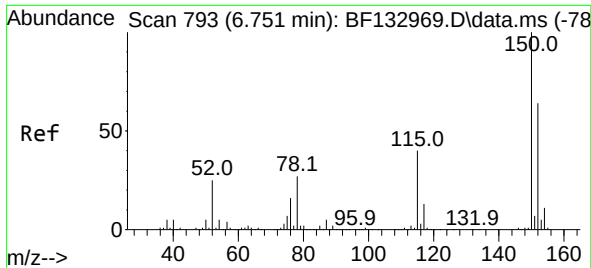
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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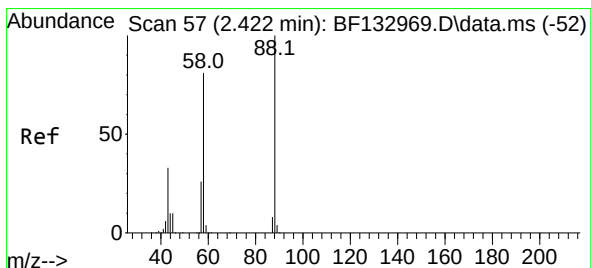
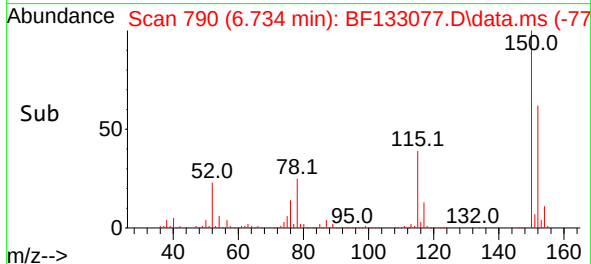
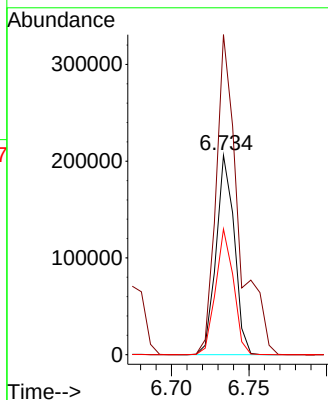
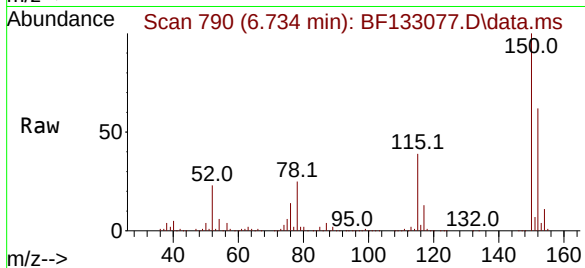




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF133077.D
 Acq: 26 Apr 2023 21:34

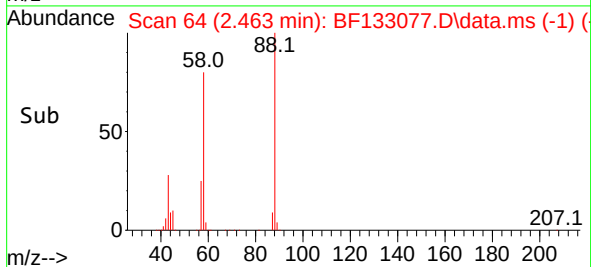
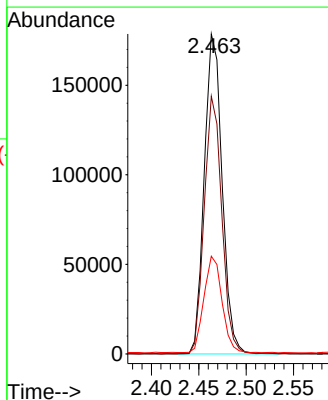
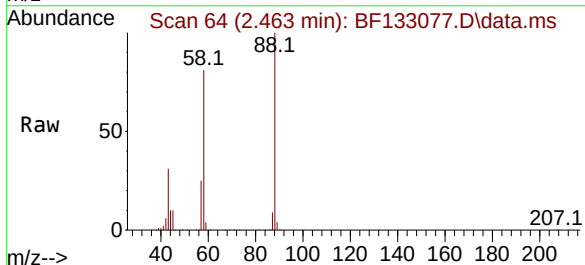
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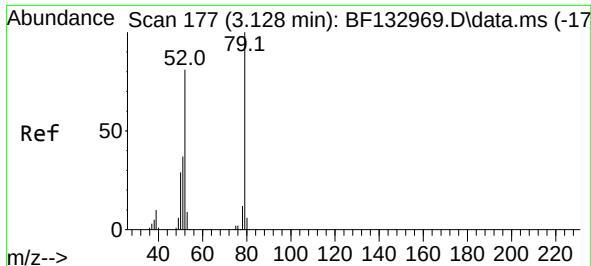
Tgt Ion:152 Resp: 168189
 Ion Ratio Lower Upper
 152 100
 150 160.4 124.8 187.2
 115 63.0 49.9 74.9



#2
 1,4-Dioxane
 Concen: 45.204 ng
 RT: 2.463 min Scan# 64
 Delta R.T. 0.076 min
 Lab File: BF133077.D
 Acq: 26 Apr 2023 21:34

Tgt Ion: 88 Resp: 233446
 Ion Ratio Lower Upper
 88 100
 58 79.6 64.7 97.1
 43 30.6 26.2 39.2

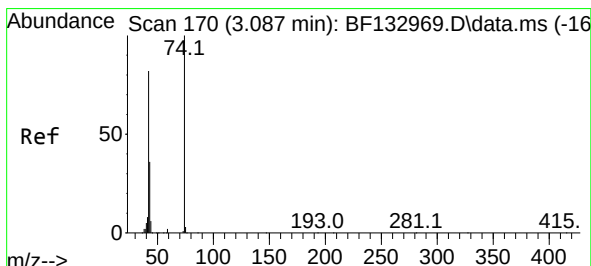
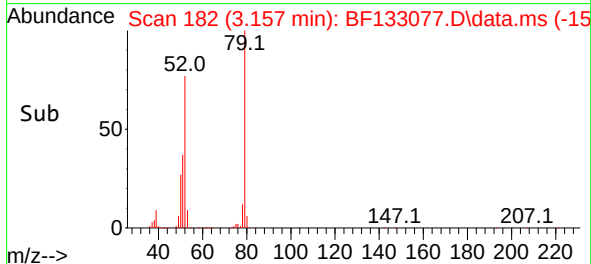
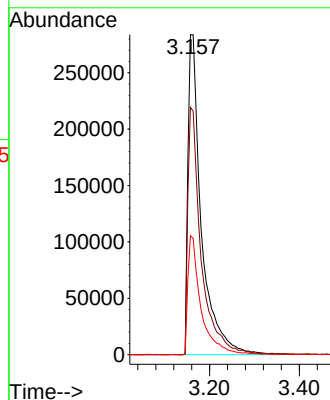
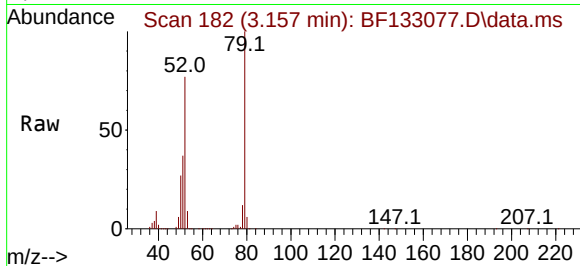




#3
Pyridine
Concen: 43.136 ng
RT: 3.157 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

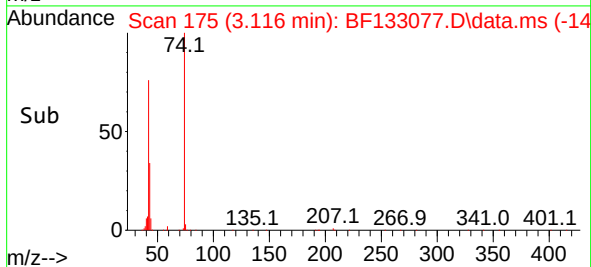
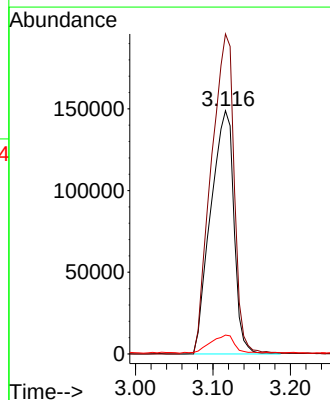
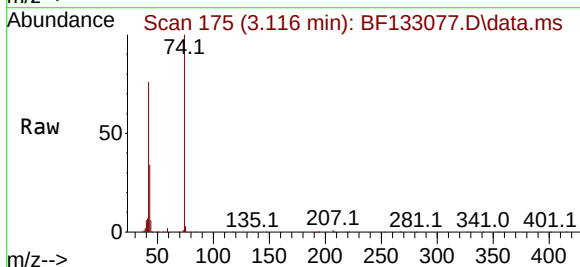
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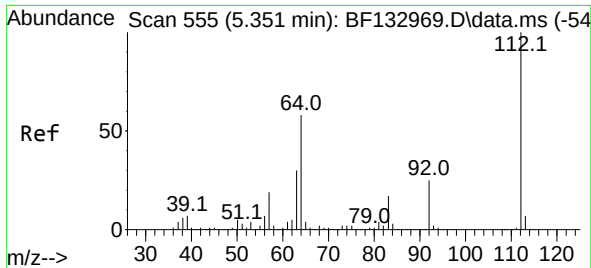
Tgt Ion: 79 Resp: 591661
Ion Ratio Lower Upper
79 100
52 77.3 64.6 96.8
51 37.2 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 43.593 ng
RT: 3.116 min Scan# 175
Delta R.T. 0.076 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion: 42 Resp: 309712
Ion Ratio Lower Upper
42 100
74 131.6 98.0 147.0
44 7.8 5.8 8.8

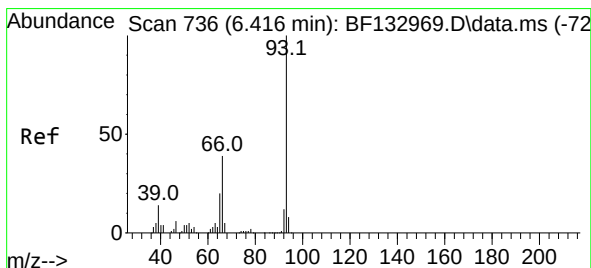
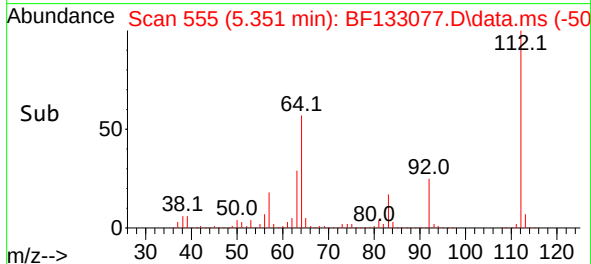
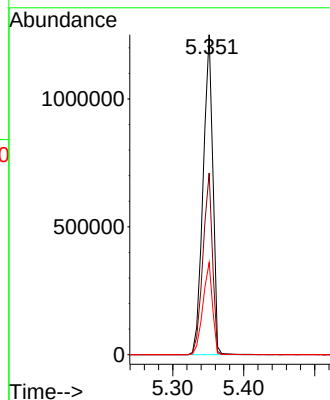
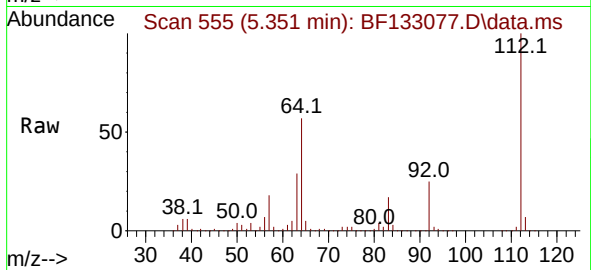




#5
2-Fluorophenol
Concen: 107.809 ng
RT: 5.351 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

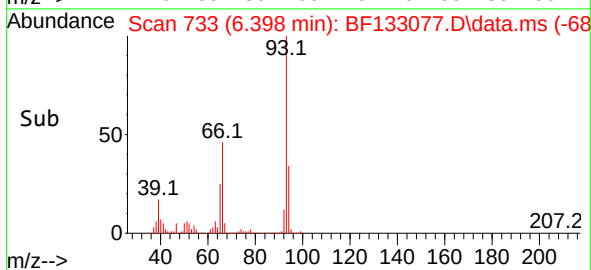
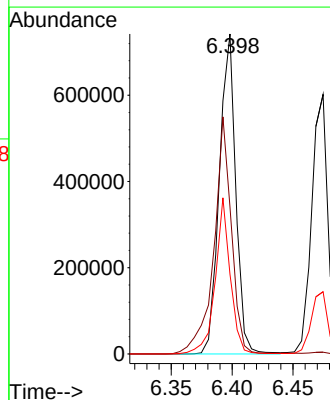
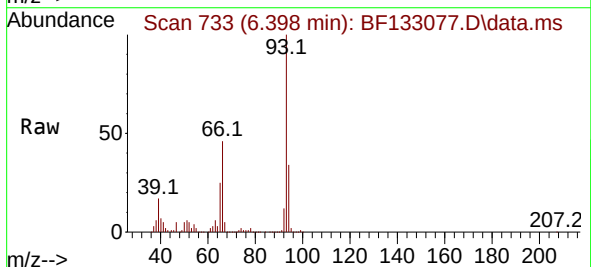
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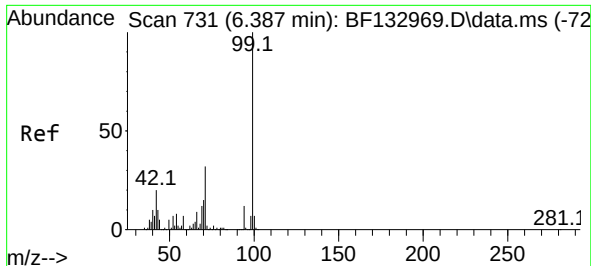
Tgt Ion:112 Resp: 1200331
Ion Ratio Lower Upper
112 100
64 56.8 46.8 70.2
63 28.8 23.8 35.8



#6
Aniline
Concen: 39.126 ng
RT: 6.398 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion: 93 Resp: 696396
Ion Ratio Lower Upper
93 100
66 46.0 31.5 47.3
65 25.0 16.4 24.6#





#7

Phenol-d6

Concen: 107.045 ng

RT: 6.381 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

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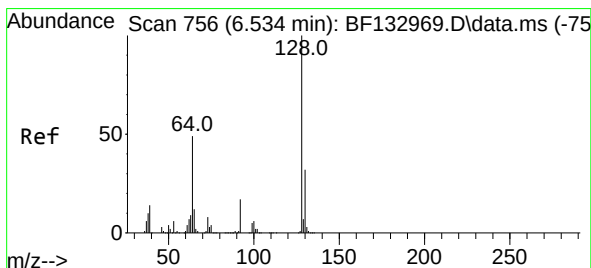
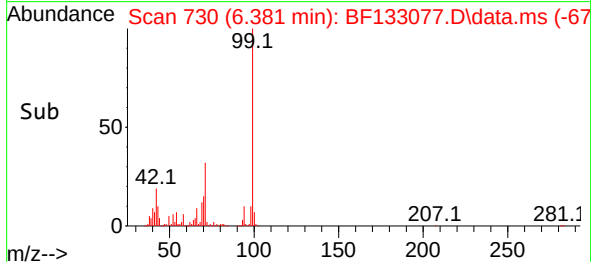
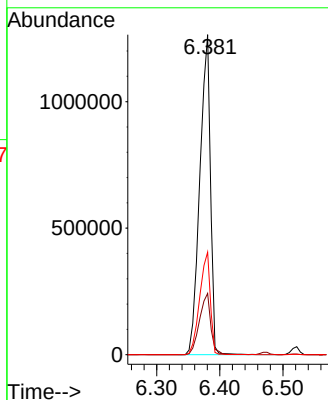
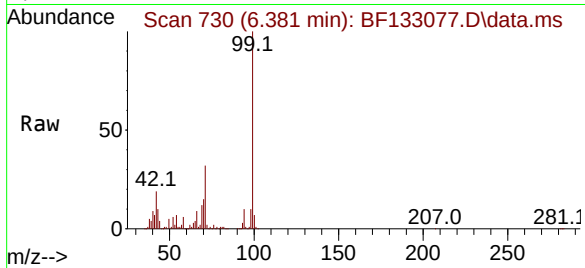
Tgt Ion: 99 Resp: 1479299

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

71 32.1 25.6 38.4



#8

2-Chlorophenol

Concen: 50.922 ng

RT: 6.522 min Scan# 754

Delta R.T. 0.000 min

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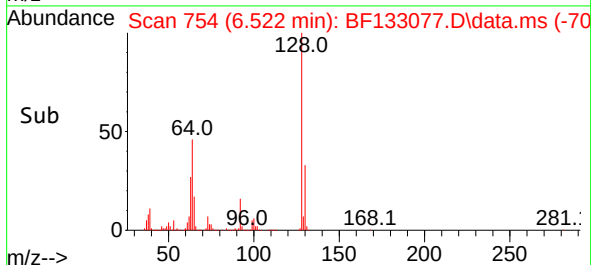
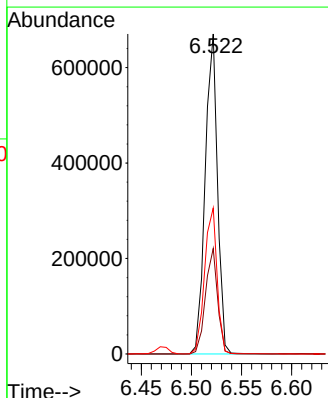
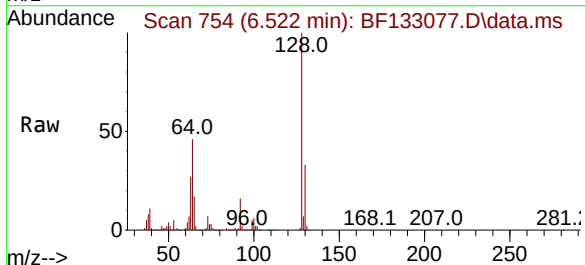
Tgt Ion:128 Resp: 575643

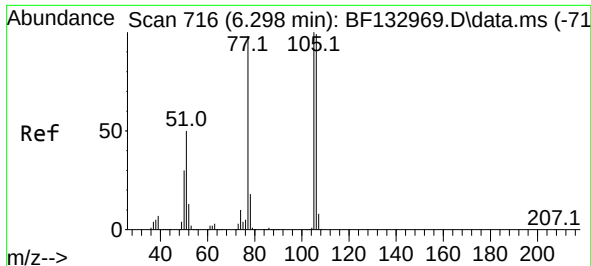
Ion Ratio Lower Upper

128 100

130 33.0 12.2 52.2

64 45.6 30.3 70.3

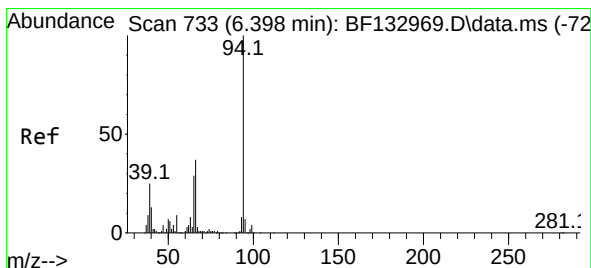
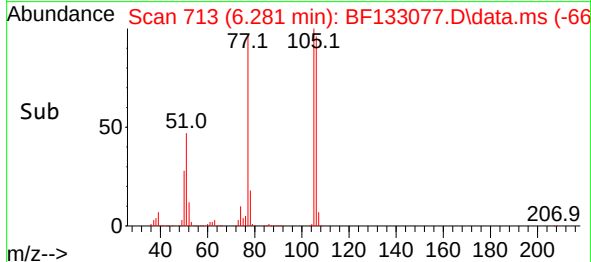
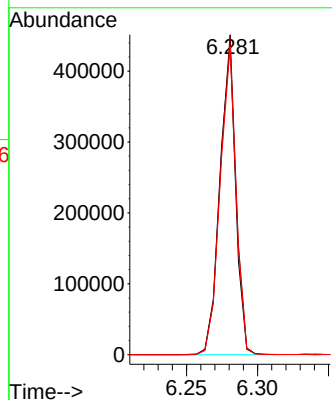
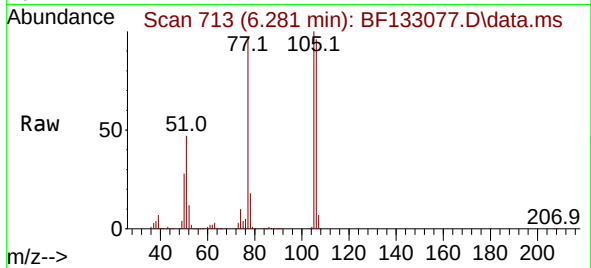




#9
Benzaldehyde
Concen: 66.444 ng
RT: 6.281 min Scan# 716
Delta R.T. 0.000 min
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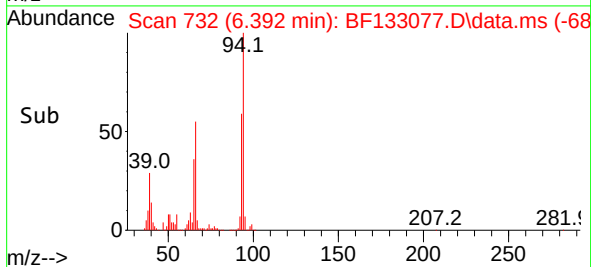
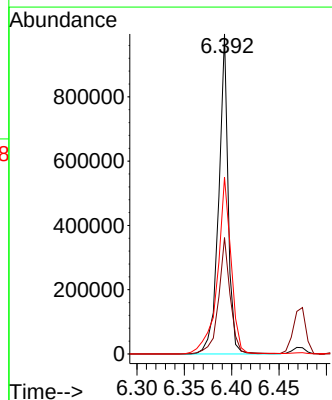
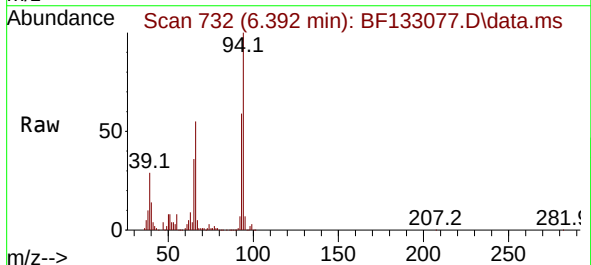
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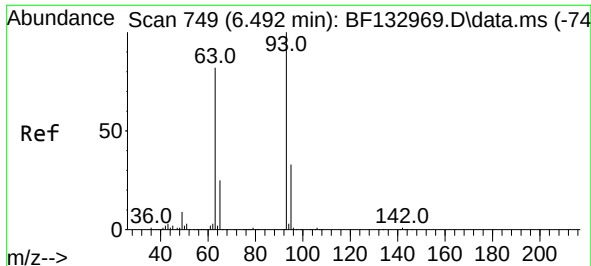
Tgt Ion: 77 Resp: 339941
Ion Ratio Lower Upper
77 100
105 102.8 82.3 122.3
106 99.0 80.8 120.8



#10
Phenol
Concen: 45.905 ng
RT: 6.392 min Scan# 732
Delta R.T. 0.000 min
Lab File: BF133077.D
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Tgt Ion: 94 Resp: 699835
Ion Ratio Lower Upper
94 100
65 36.4 8.6 48.6
66 55.2 17.3 57.3

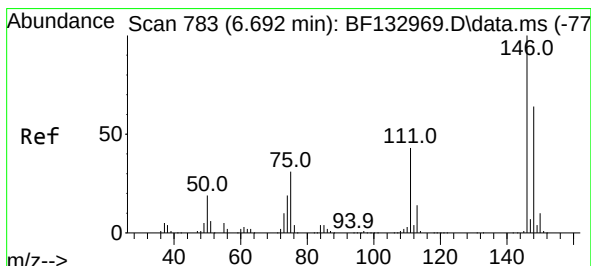
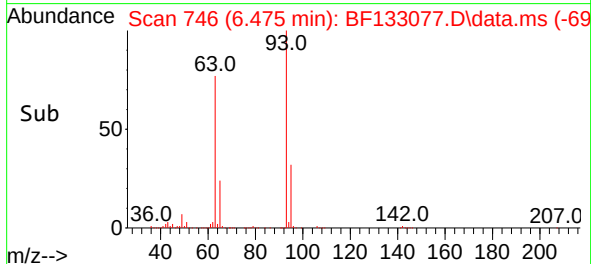
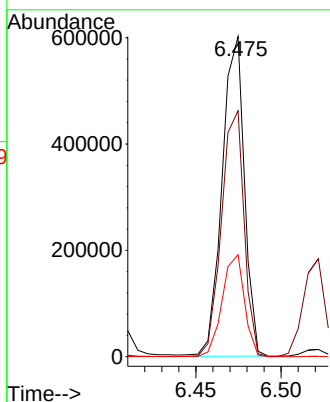
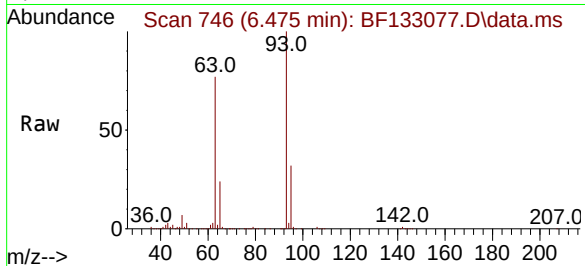




#11
bis(2-Chloroethyl)ether
Concen: 47.842 ng
RT: 6.475 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

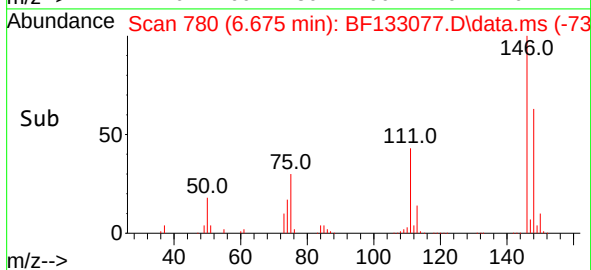
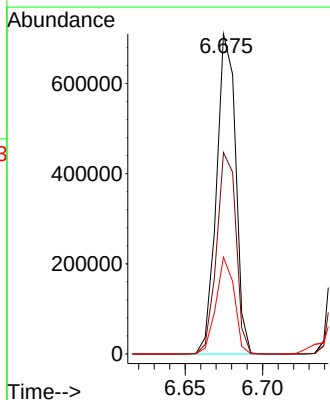
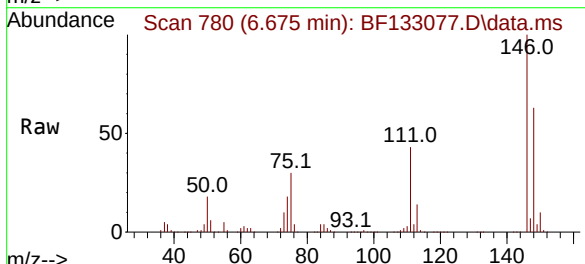
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

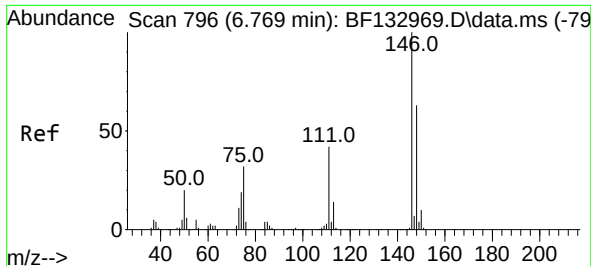
Tgt Ion: 93 Resp: 547324
Ion Ratio Lower Upper
93 100
63 76.8 60.6 100.6
95 31.9 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 50.796 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion: 146 Resp: 610502
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.4
75 30.3 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 50.681 ng

RT: 6.751 min Scan# 796

Delta R.T. -0.006 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

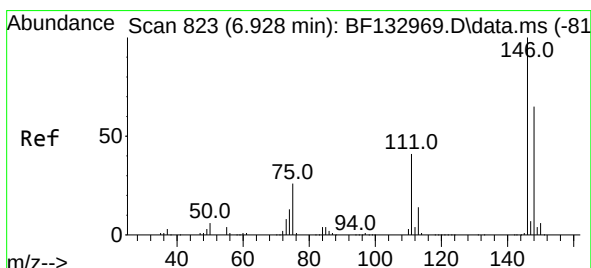
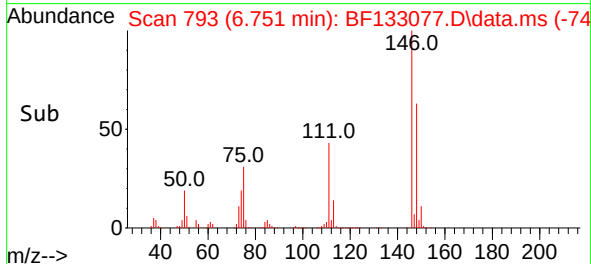
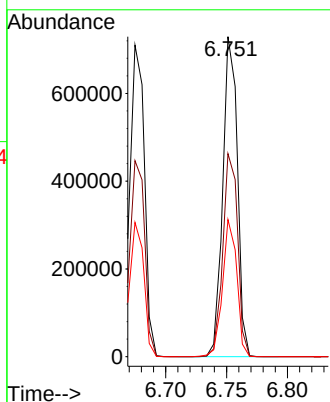
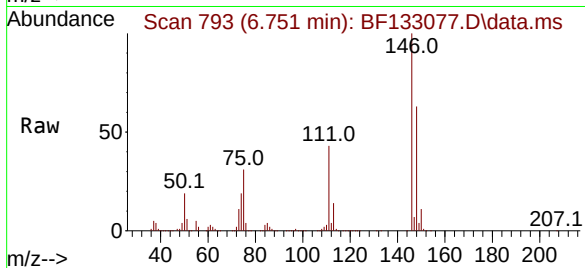
Tgt Ion:146 Resp: 610472

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

111 42.9 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 53.250 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

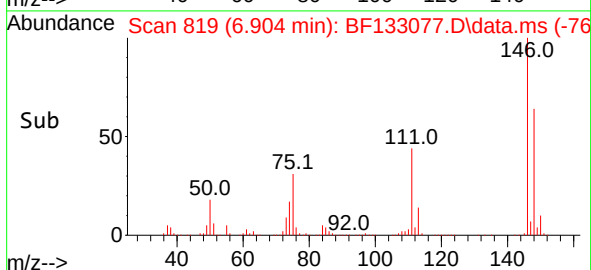
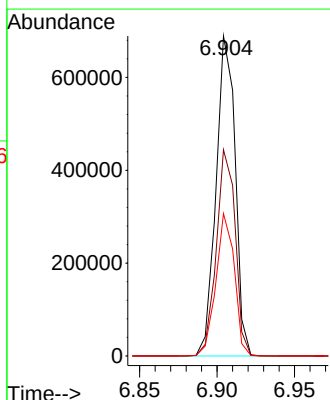
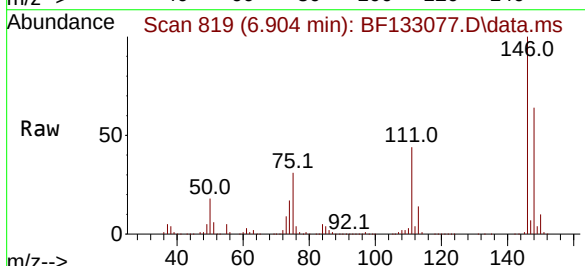
Tgt Ion:146 Resp: 591347

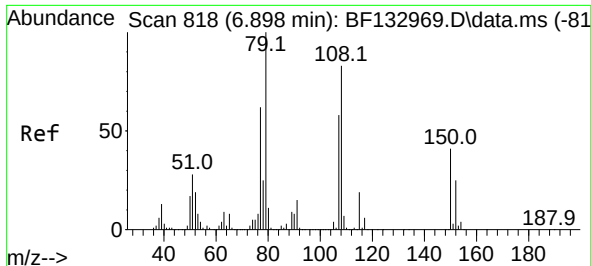
Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.2

111 44.5 32.8 49.2

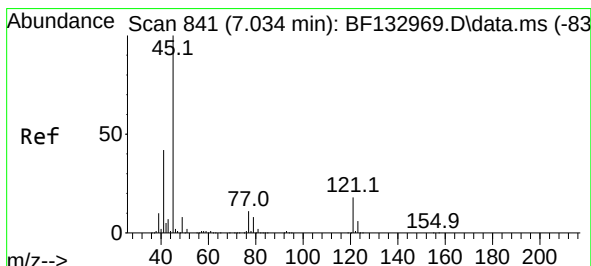
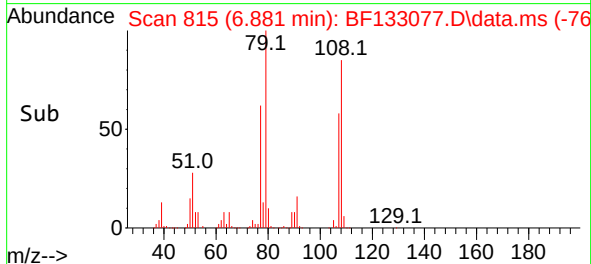
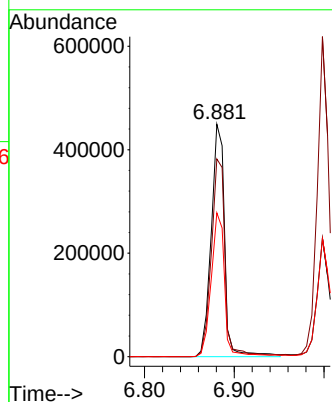
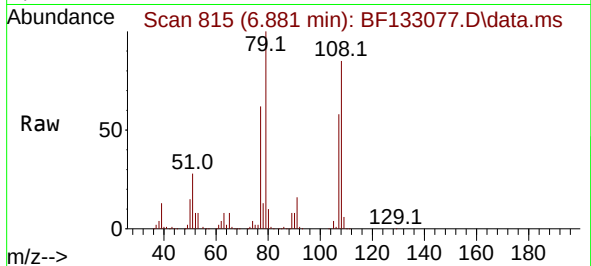




#15
Benzyl Alcohol
Concen: 48.887 ng
RT: 6.881 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

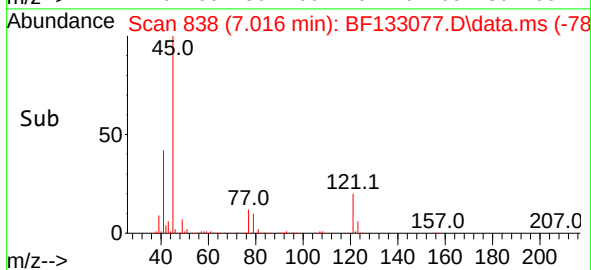
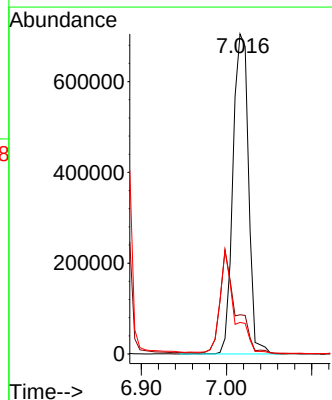
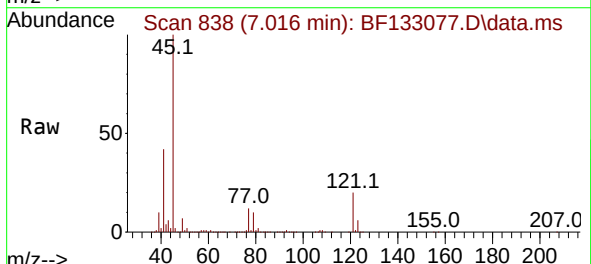
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

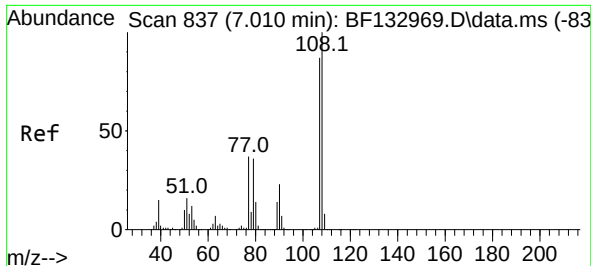
Tgt Ion: 79 Resp: 466669
Ion Ratio Lower Upper
79 100
108 85.0 66.6 99.8
77 61.8 49.2 73.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.829 ng
RT: 7.016 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion: 45 Resp: 890770
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.5
79 9.9 0.0 28.7

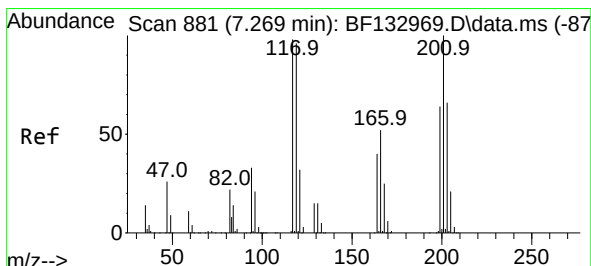
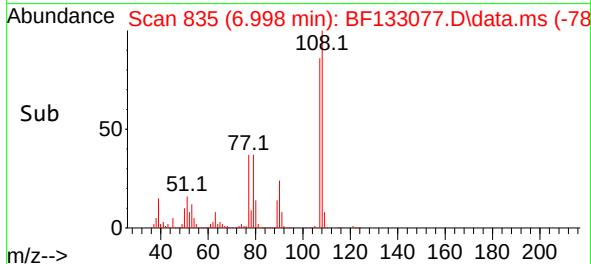
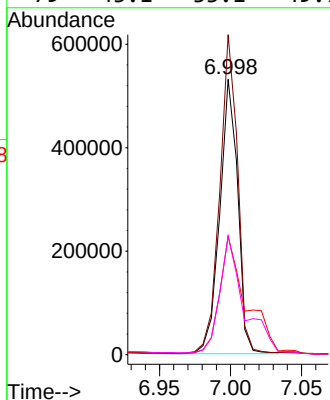
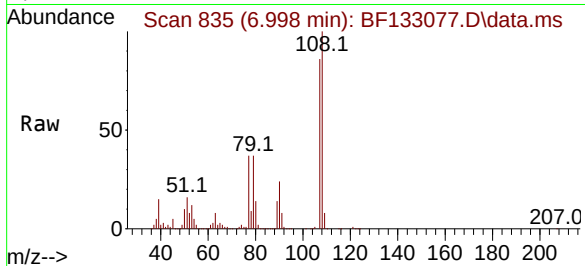




#17
2-Methylphenol
Concen: 44.962 ng
RT: 6.998 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

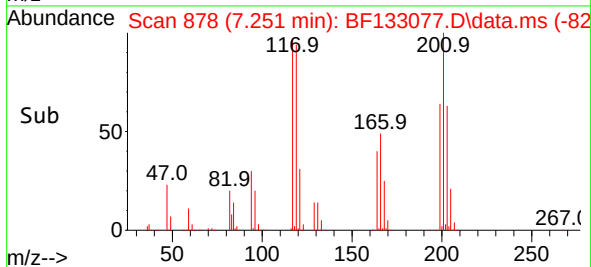
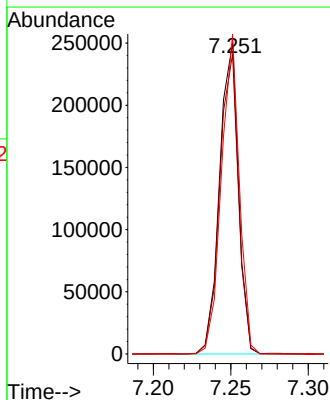
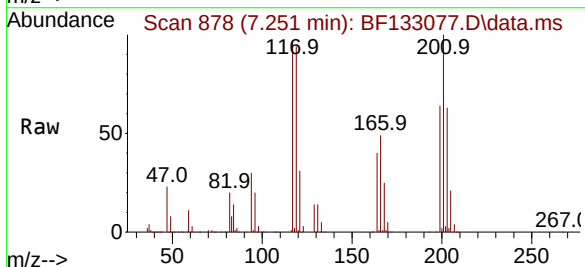
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

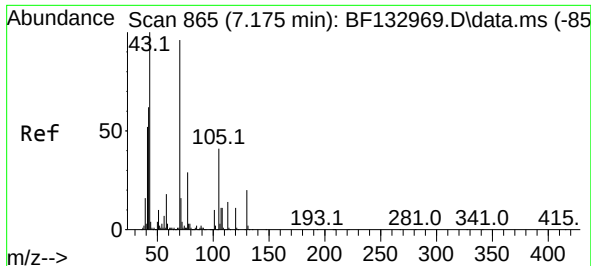
Tgt Ion:107 Resp: 465417
Ion Ratio Lower Upper
107 100
108 116.2 92.4 138.6
77 43.0 33.8 50.8
79 43.1 33.1 49.7



#18
Hexachloroethane
Concen: 50.477 ng
RT: 7.251 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:117 Resp: 211389
Ion Ratio Lower Upper
117 100
119 96.4 78.2 117.4
201 102.8 81.7 122.5





#19

n-Nitroso-di-n-propylamine

Concen: 44.195 ng

RT: 7.157 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF133077.D

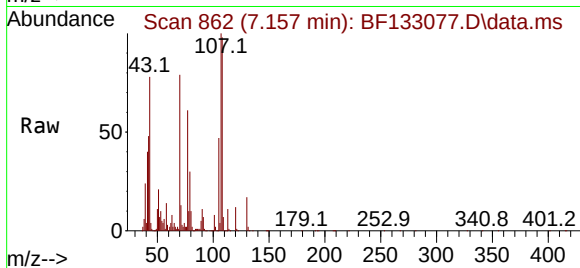
Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD



Tgt Ion: 70 Resp: 380223

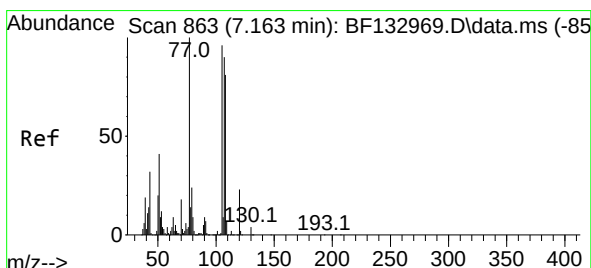
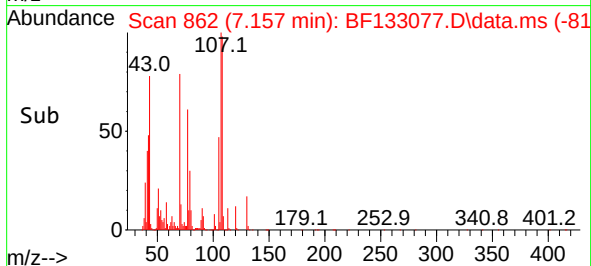
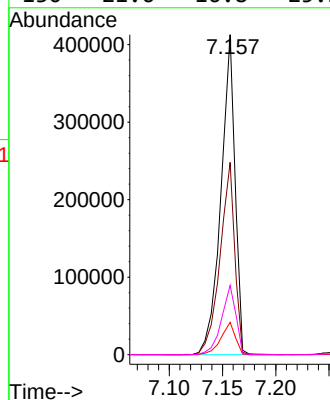
Ion Ratio Lower Upper

70 100

42 60.1 51.8 77.6

101 10.1 8.0 12.0

130 21.6 16.8 25.2



#20

3+4-Methylphenols

Concen: 46.441 ng

RT: 7.151 min Scan# 861

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Tgt Ion: 107 Resp: 566135

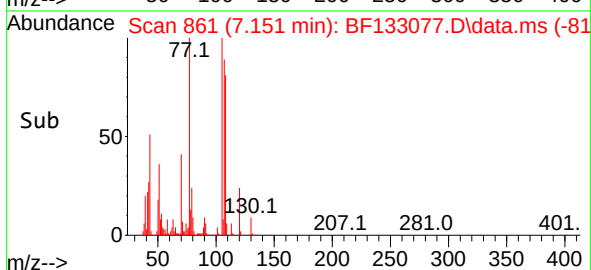
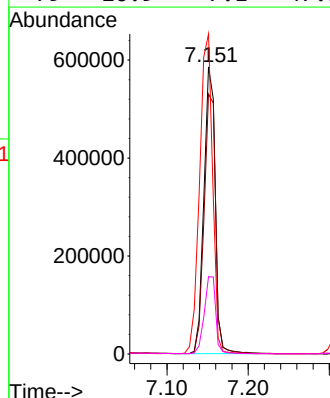
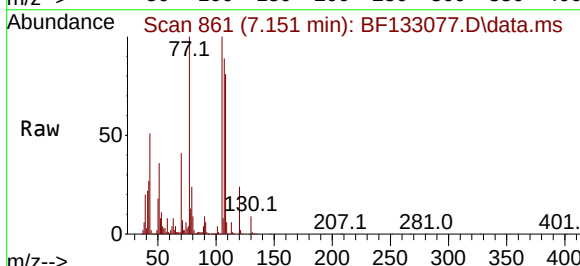
Ion Ratio Lower Upper

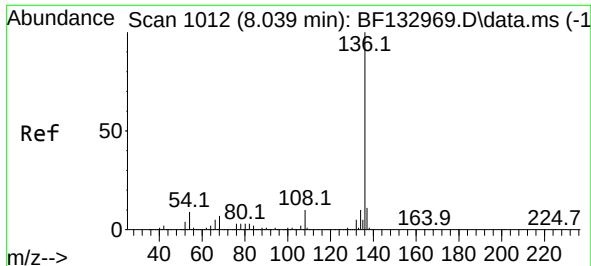
107 100

108 90.5 70.5 110.5

77 111.5 91.7 131.7

79 26.9 7.1 47.1

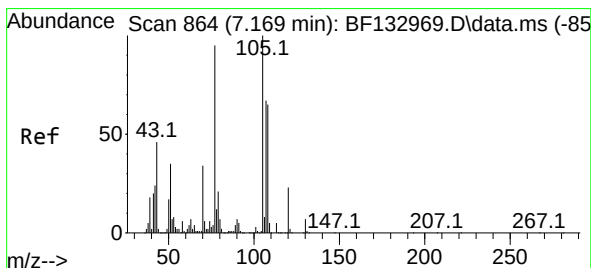
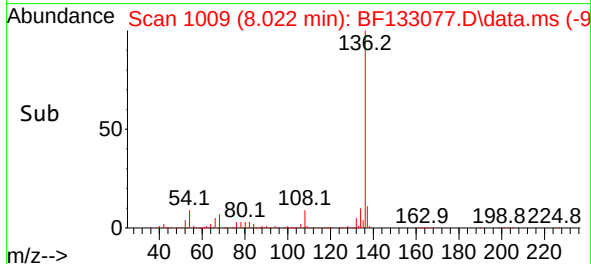
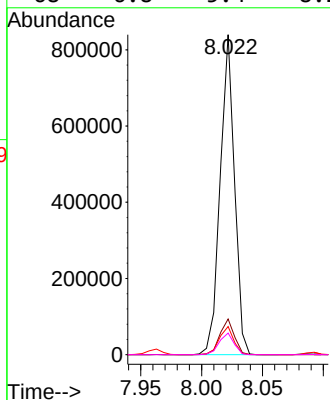
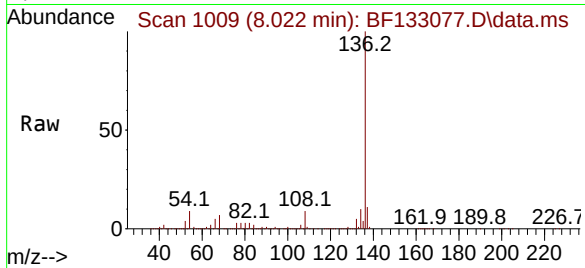




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

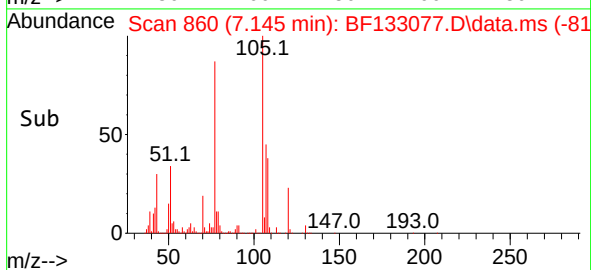
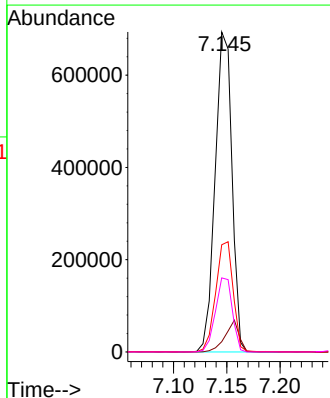
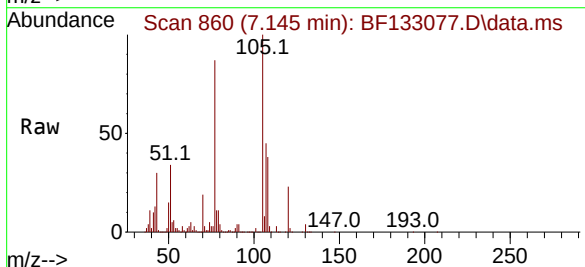
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

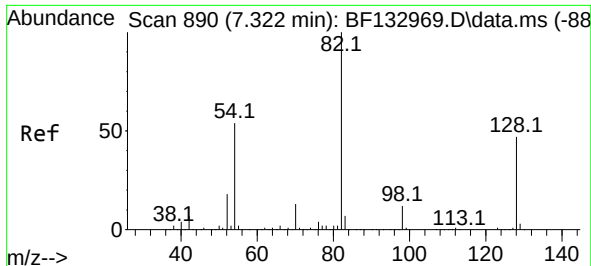
Tgt Ion:136 Resp: 689387
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.8 7.0 10.4
68 6.8 5.4 8.2



#22
Acetophenone
Concen: 47.487 ng
RT: 7.145 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:105 Resp: 758334
Ion Ratio Lower Upper
105 100
71 3.2 4.6 7.0#
51 33.5 28.2 42.2
120 23.2 18.4 27.6





#23

Nitrobenzene-d5

Concen: 67.033 ng

RT: 7.304 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF133077.D

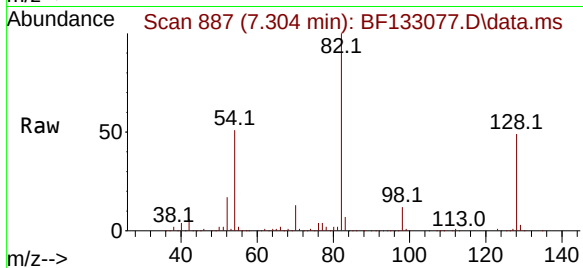
Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD



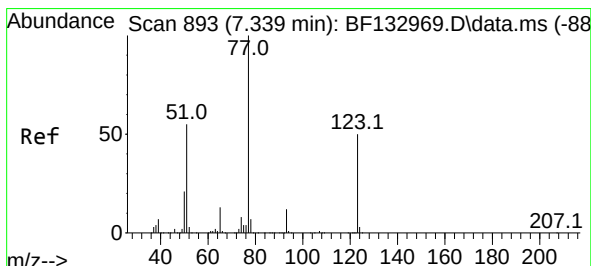
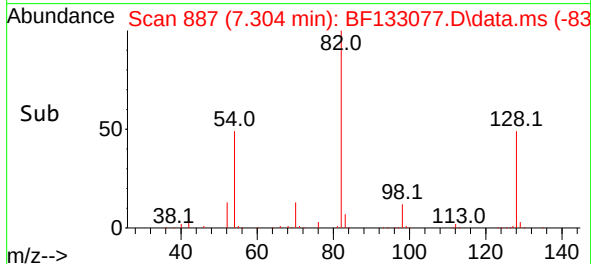
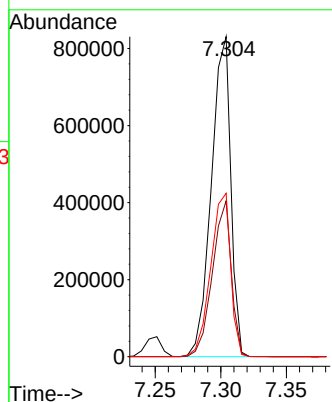
Tgt Ion: 82 Resp: 856137

Ion Ratio Lower Upper

82 100

128 48.7 37.7 56.5

54 51.1 43.0 64.4



#24

Nitrobenzene

Concen: 45.430 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

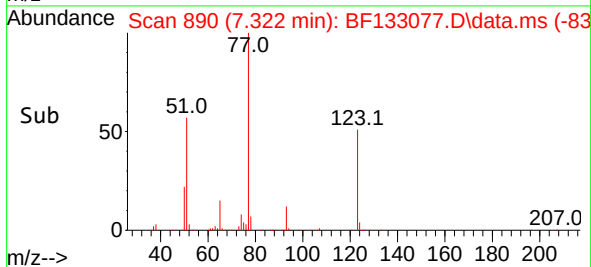
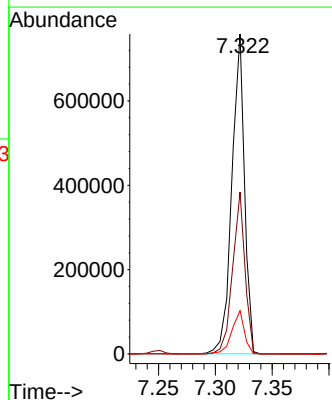
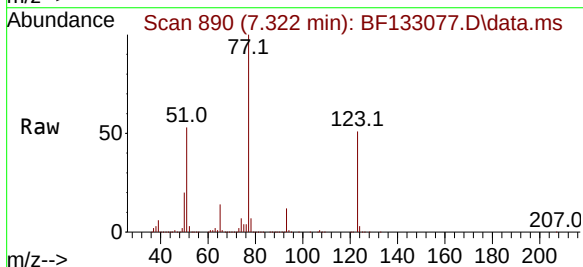
Tgt Ion: 77 Resp: 587965

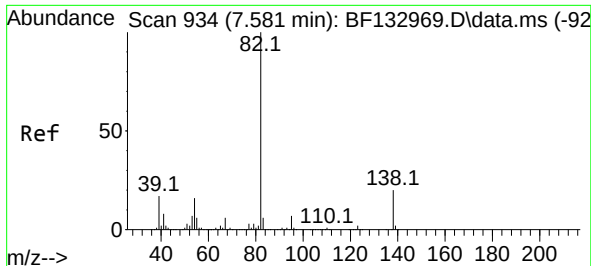
Ion Ratio Lower Upper

77 100

123 50.6 39.9 59.9

65 13.5 10.7 16.1

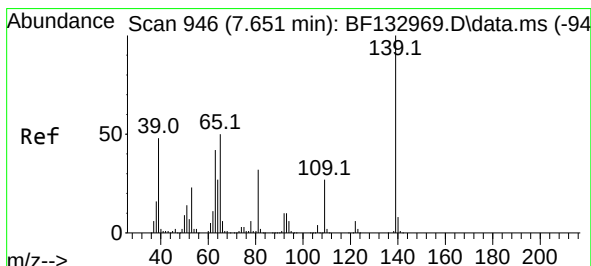
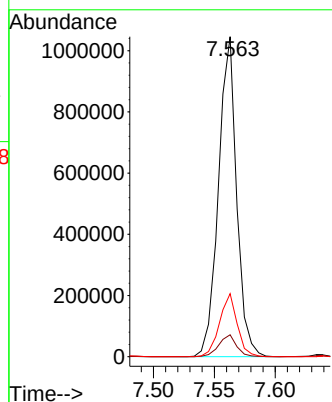
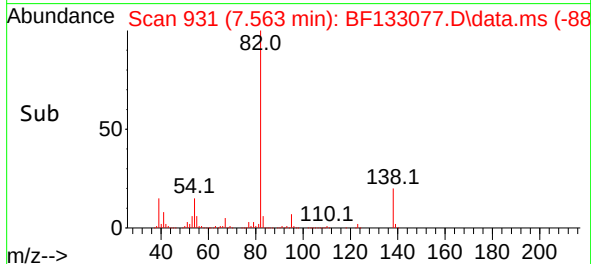
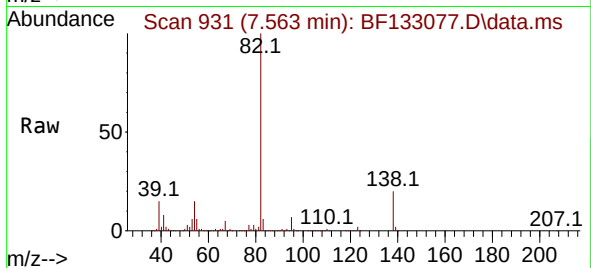




#25
Isophorone
Concen: 44.809 ng
RT: 7.563 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

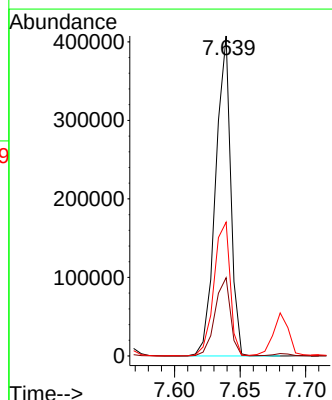
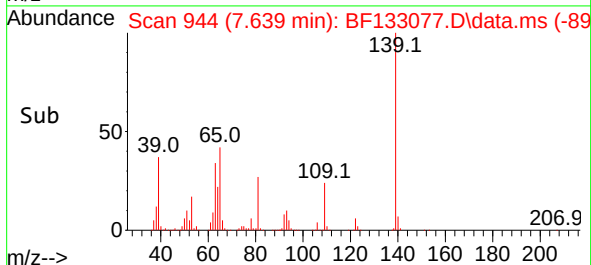
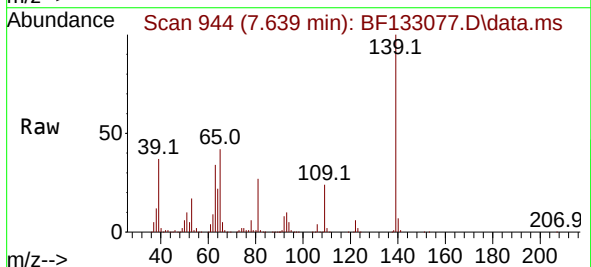
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

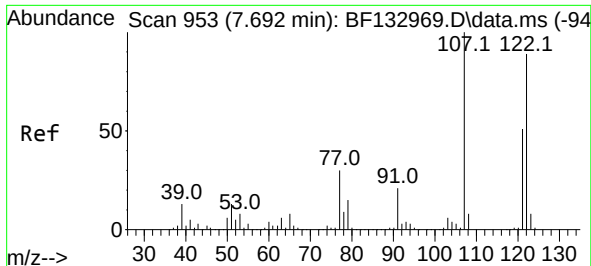
Tgt Ion: 82 Resp: 1086597
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 19.7 16.0 24.0



#26
2-Nitrophenol
Concen: 52.215 ng
RT: 7.639 min Scan# 944
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:139 Resp: 325942
Ion Ratio Lower Upper
139 100
109 24.5 21.6 32.4
65 41.8 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 48.408 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

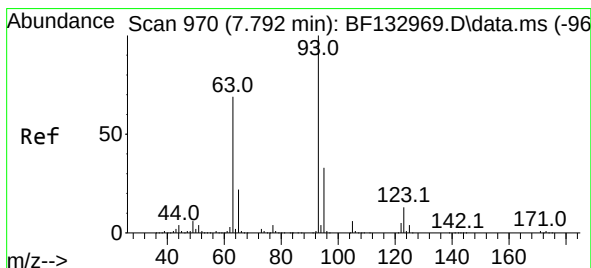
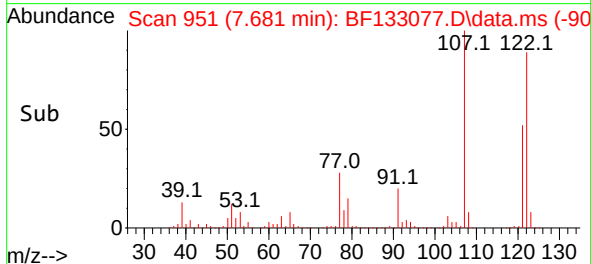
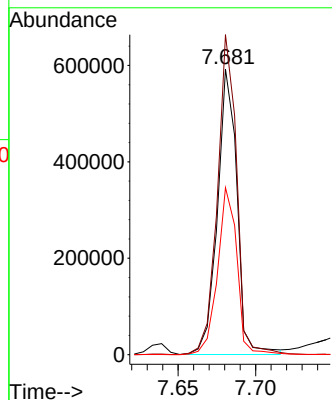
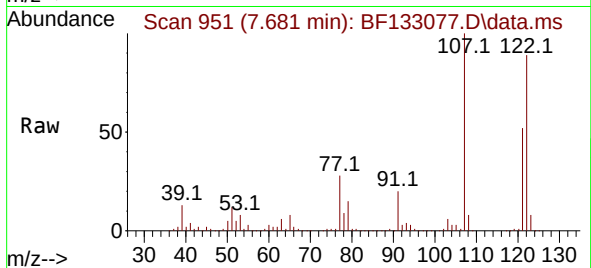
Tgt Ion:122 Resp: 518154

Ion Ratio Lower Upper

122 100

107 112.1 89.7 134.5

121 58.5 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 45.497 ng

RT: 7.775 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

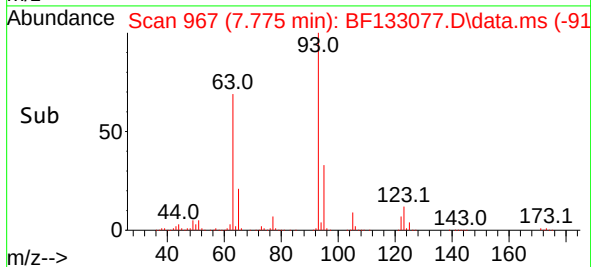
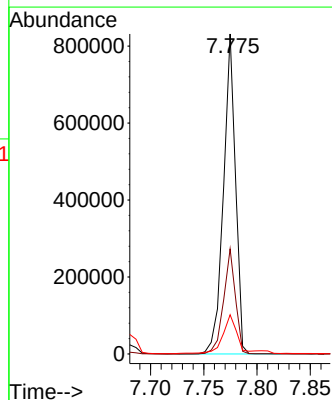
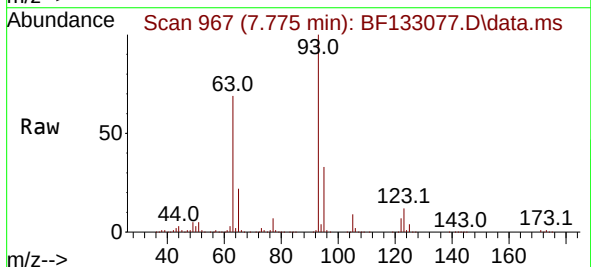
Tgt Ion: 93 Resp: 652683

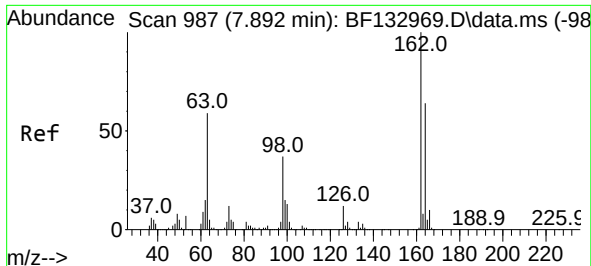
Ion Ratio Lower Upper

93 100

95 32.8 26.4 39.6

123 12.3 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 49.241 ng

RT: 7.881 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

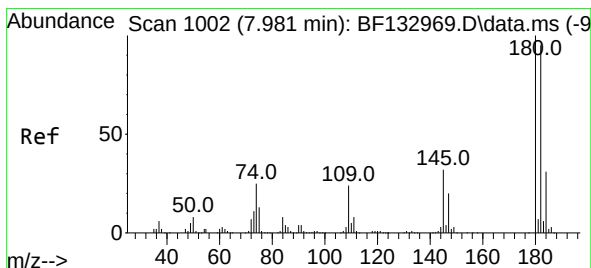
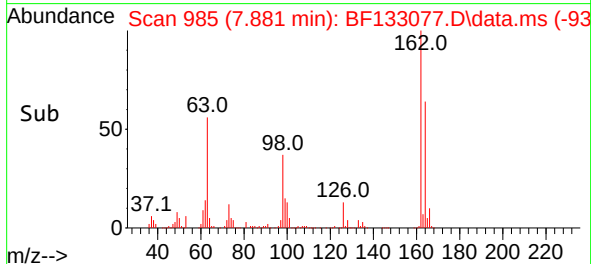
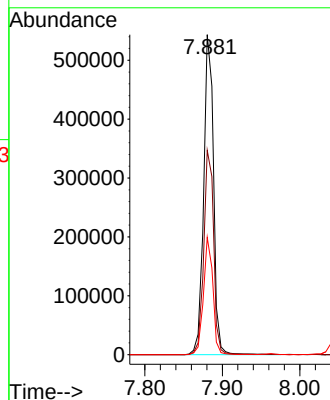
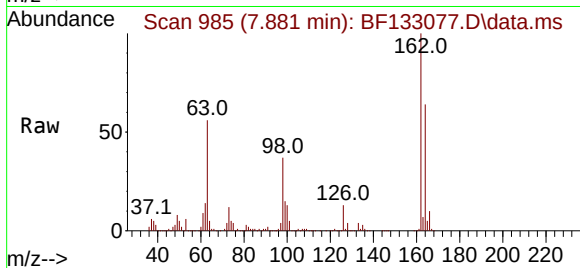
Tgt Ion:162 Resp: 479822

Ion Ratio Lower Upper

162 100

164 63.9 43.9 83.9

98 36.6 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 48.998 ng

RT: 7.963 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

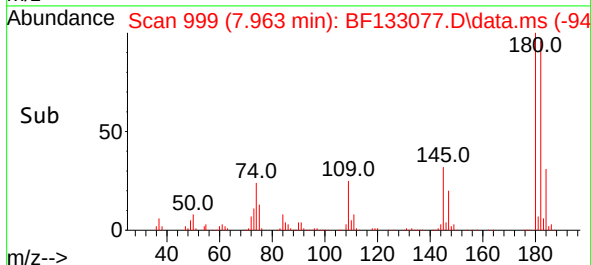
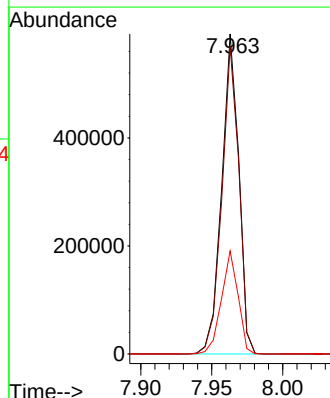
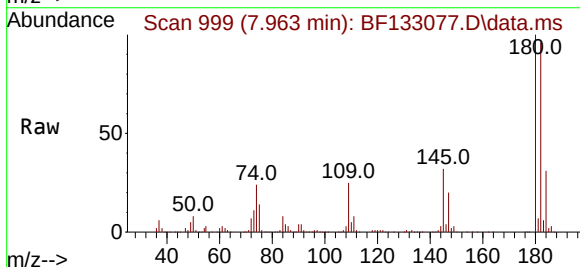
Tgt Ion:180 Resp: 494635

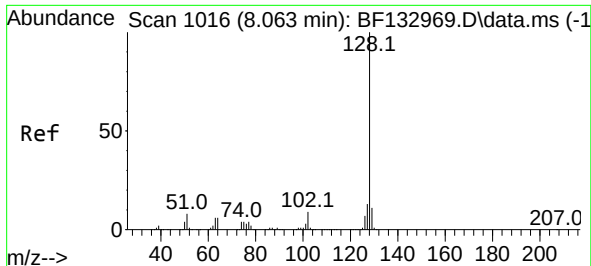
Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

145 32.2 25.3 37.9

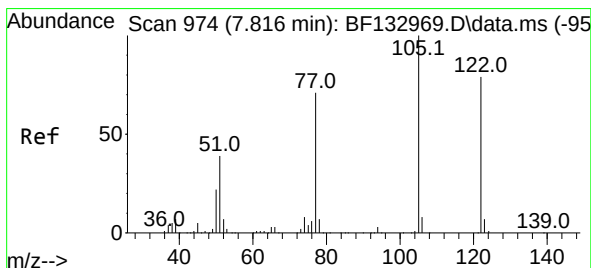
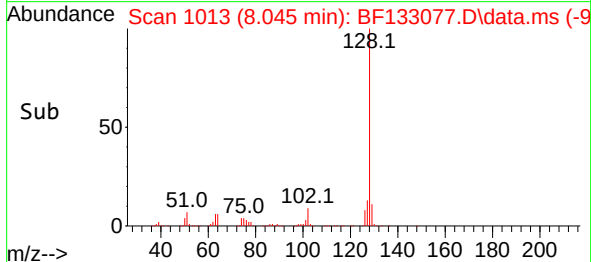
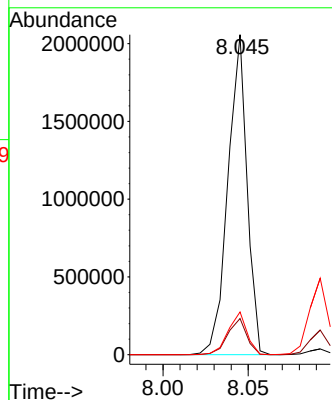
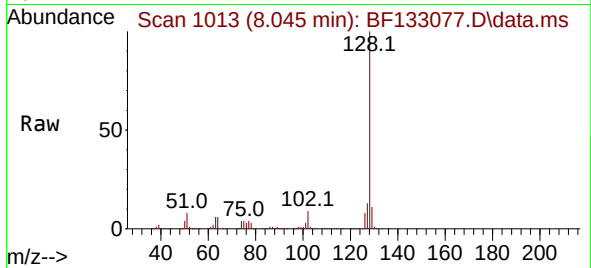




#31
Naphthalene
Concen: 46.630 ng
RT: 8.045 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

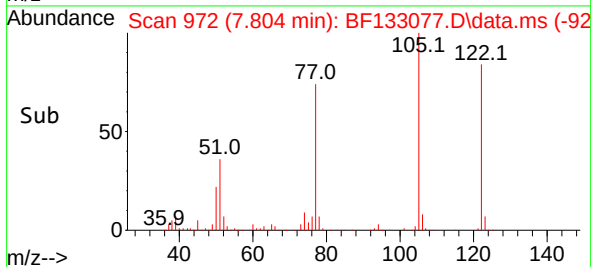
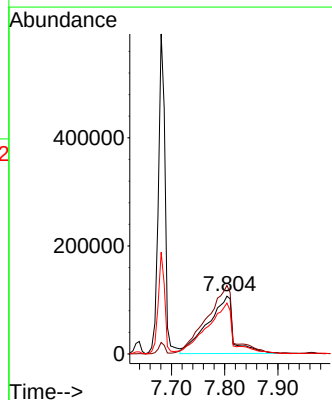
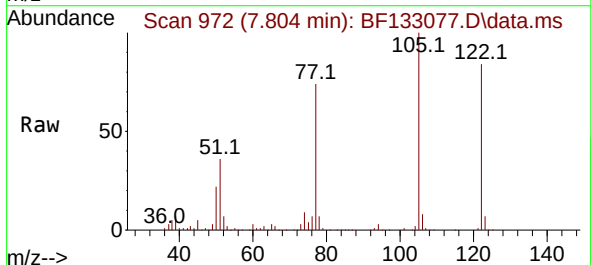
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

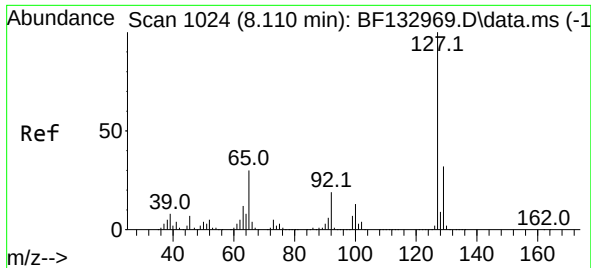
Tgt Ion:128 Resp: 1607211
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 54.409 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:122 Resp: 359739
Ion Ratio Lower Upper
122 100
105 118.5 104.2 144.2
77 88.0 69.7 109.7

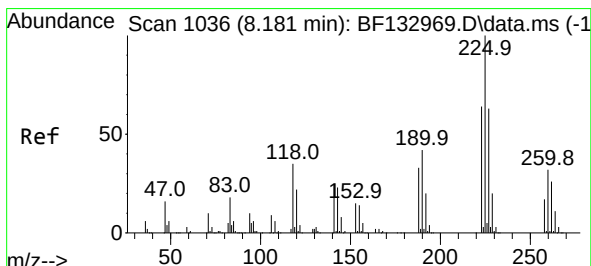
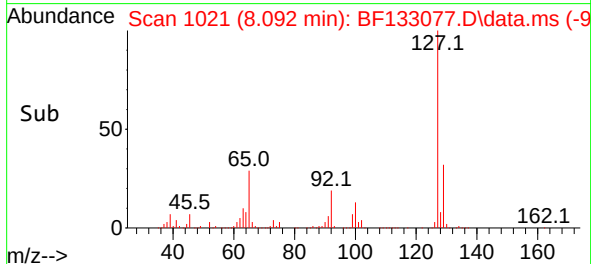
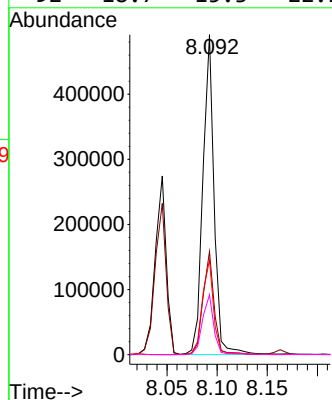
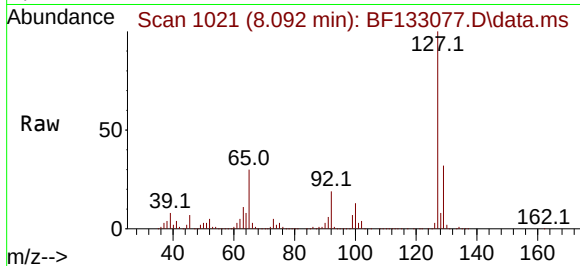




#33
4-Chloroaniline
Concen: 27.598 ng
RT: 8.092 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

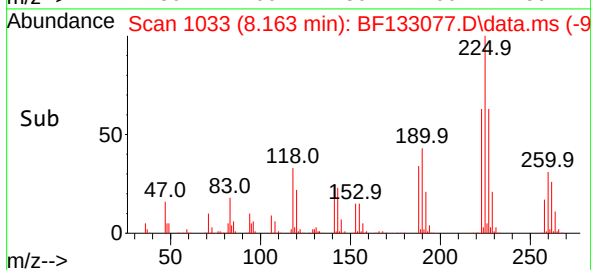
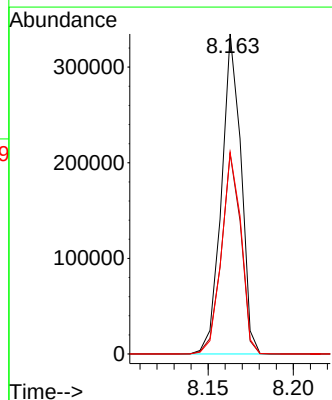
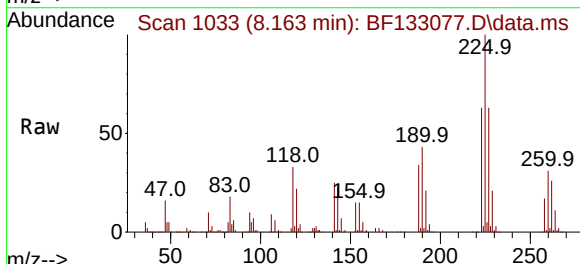
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

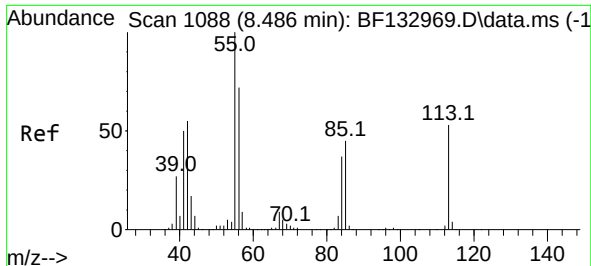
Tgt Ion:	127	Resp:	384331
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	29.7	23.6	35.4
92	18.7	15.3	22.9



#34
Hexachlorobutadiene
Concen: 47.568 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:	225	Resp:	266149
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.9	76.3
227	62.9	50.3	75.5

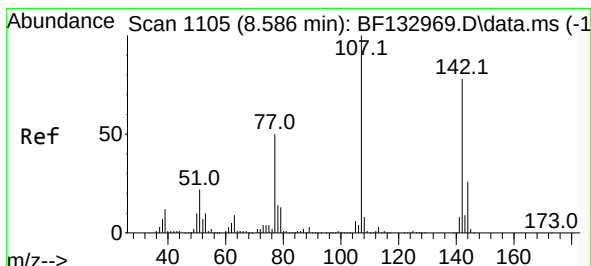
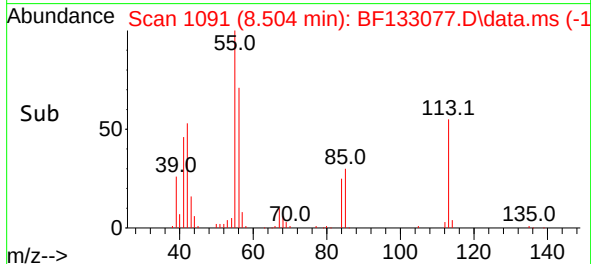
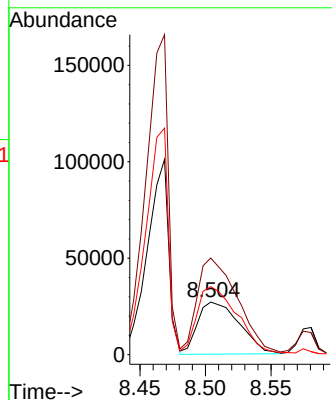
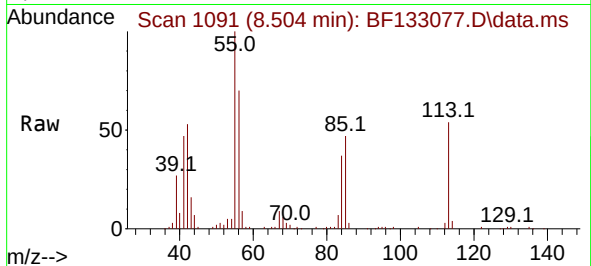




#35
 Caprolactam
 Concen: 18.279 ng
 RT: 8.504 min Scan# 1104
 Delta R.T. 0.035 min
 Lab File: BF133077.D
 Acq: 26 Apr 2023 21:34

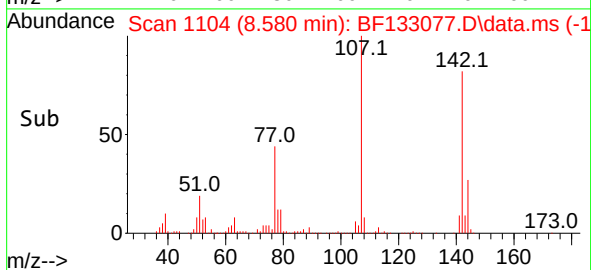
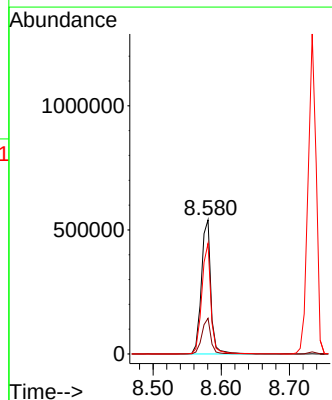
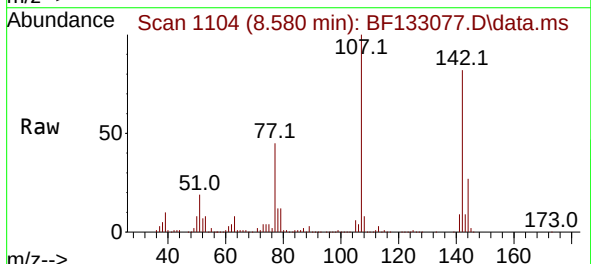
Instrument :
 BNA_F
 ClientSampleId :
 20230353-COMP-31MSD

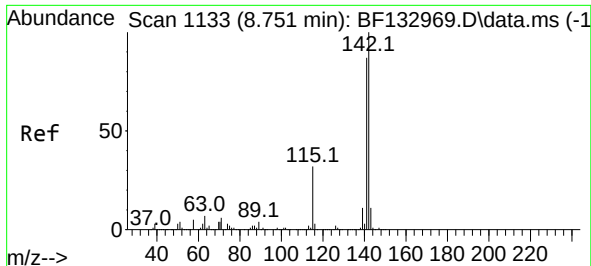
Tgt Ion:113 Resp: 59836
 Ion Ratio Lower Upper
 113 100
 55 183.6 167.1 207.1
 56 129.2 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 49.528 ng
 RT: 8.580 min Scan# 1104
 Delta R.T. 0.006 min
 Lab File: BF133077.D
 Acq: 26 Apr 2023 21:34

Tgt Ion:107 Resp: 520438
 Ion Ratio Lower Upper
 107 100
 144 26.6 20.6 30.8
 142 82.4 62.8 94.2





#37

2-Methylnaphthalene

Concen: 45.229 ng

RT: 8.733 min Scan# 1133

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

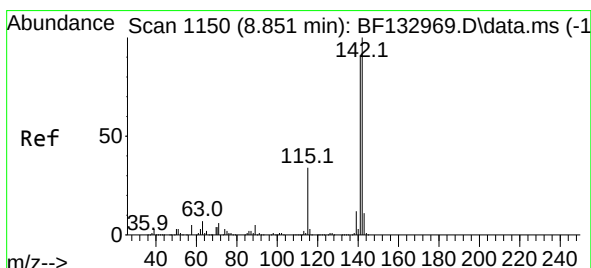
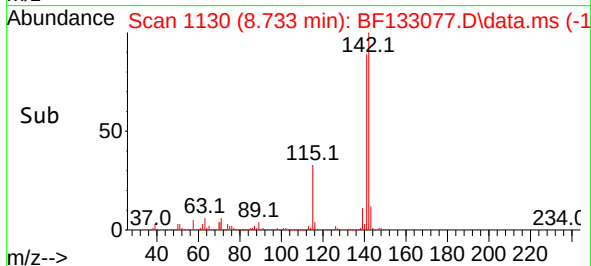
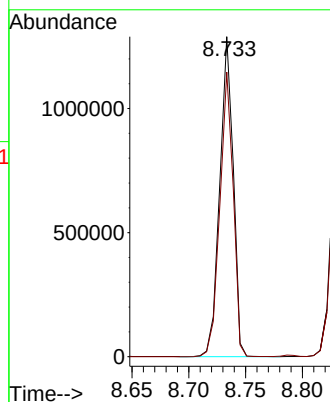
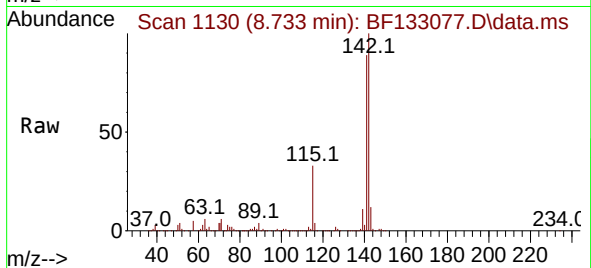
20230353-COMP-31MSD

Tgt Ion:142 Resp: 1065785

Ion Ratio Lower Upper

142 100

141 89.0 69.4 104.0



#38

1-Methylnaphthalene

Concen: 45.870 ng

RT: 8.833 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF133077.D

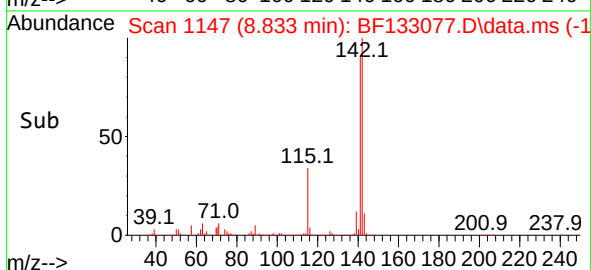
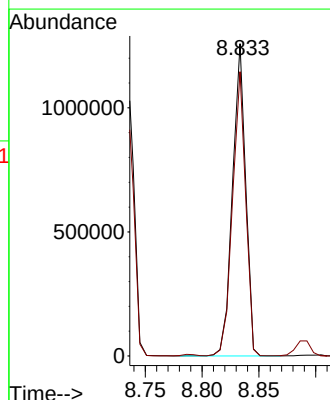
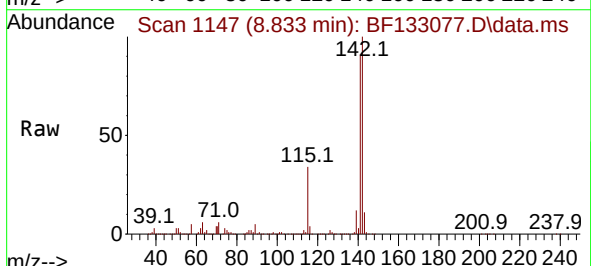
Acq: 26 Apr 2023 21:34

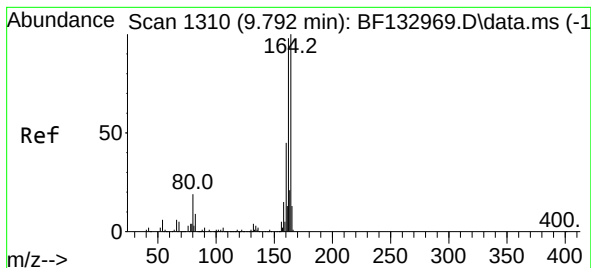
Tgt Ion:142 Resp: 1011170

Ion Ratio Lower Upper

142 100

141 91.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1159

Delta R.T. 0.000 min

Lab File: BF133077.D

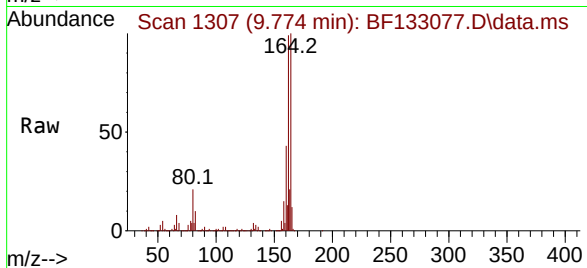
Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD



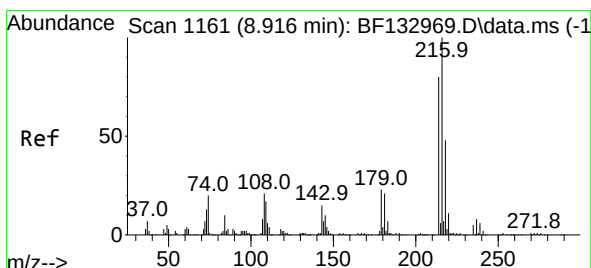
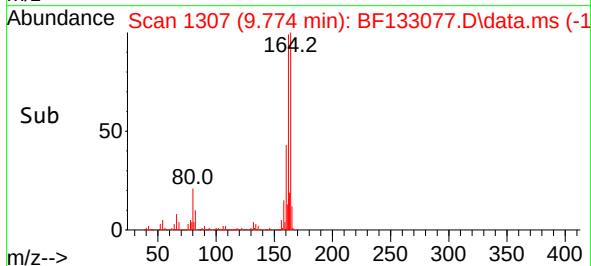
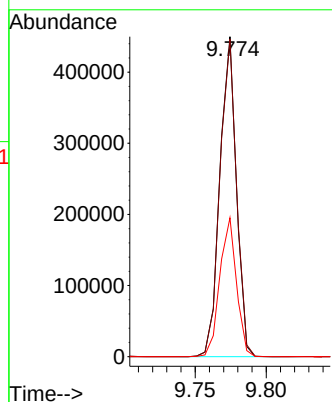
Tgt Ion:164 Resp: 362729

Ion Ratio Lower Upper

164 100

162 99.3 78.7 118.1

160 43.4 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.576 ng

RT: 8.904 min Scan# 1159

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Tgt Ion:216 Resp: 444488

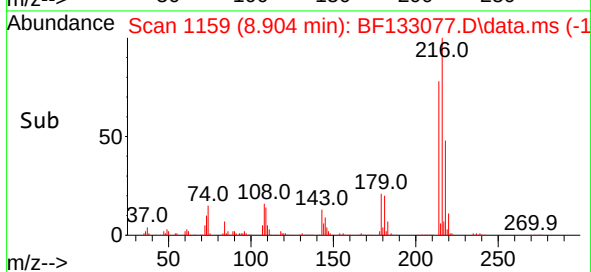
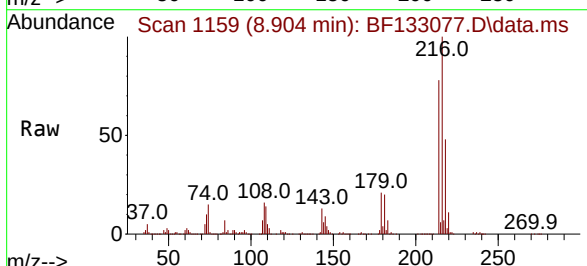
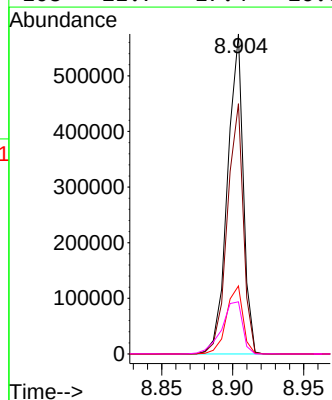
Ion Ratio Lower Upper

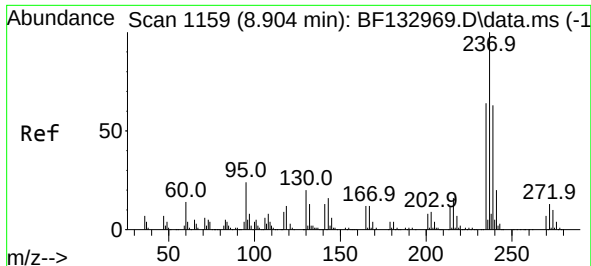
216 100

214 79.1 63.5 95.3

179 22.2 17.4 26.2

108 21.7 17.4 26.0

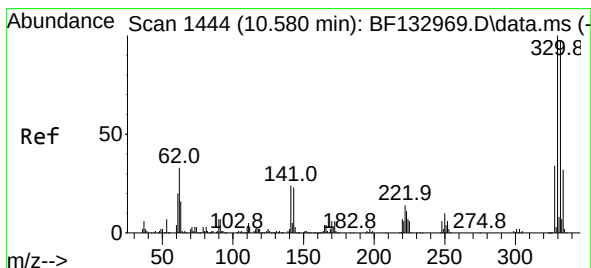
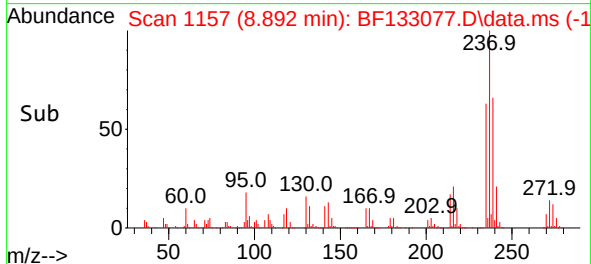
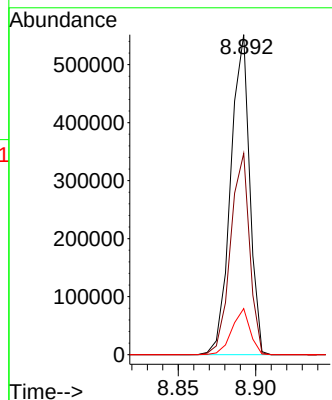
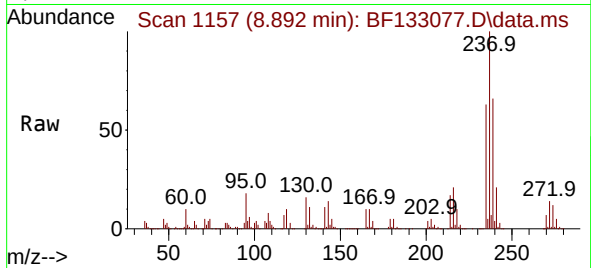




#41
Hexachlorocyclopentadiene
Concen: 82.738 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

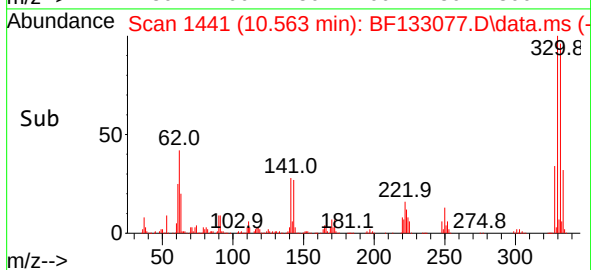
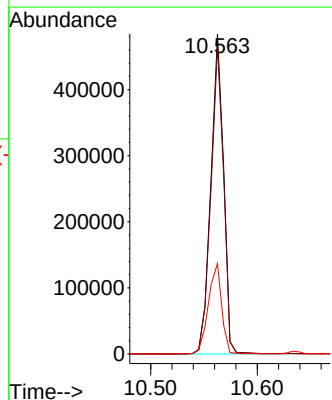
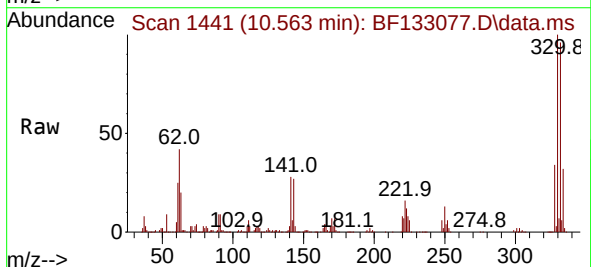
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

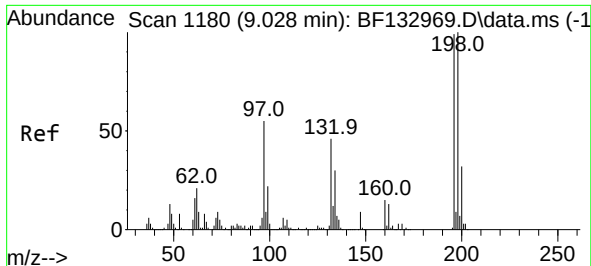
Tgt Ion:237 Resp: 470599
Ion Ratio Lower Upper
237 100
235 62.9 43.5 83.5
272 14.4 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 110.611 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:330 Resp: 403500
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 29.6 25.8 38.8

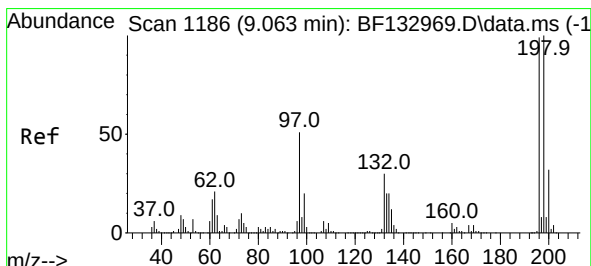
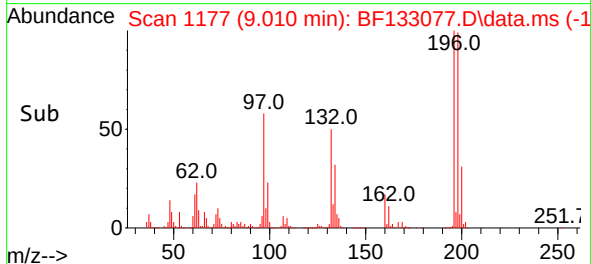
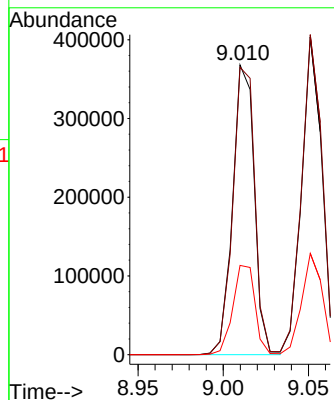
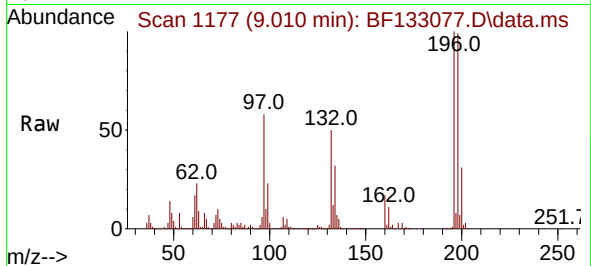




#43
2,4,6-Trichlorophenol
Concen: 48.281 ng
RT: 9.010 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

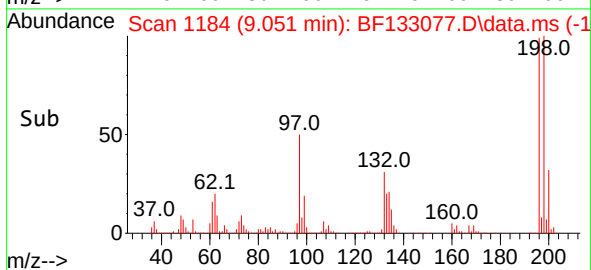
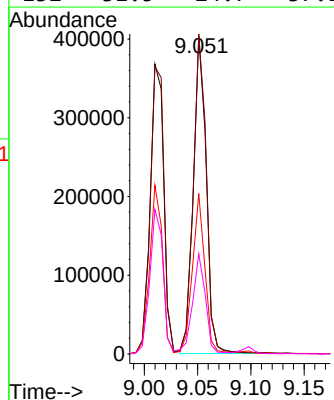
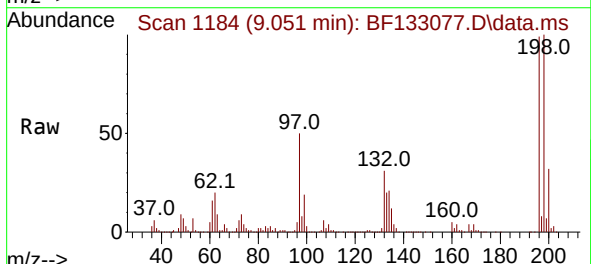
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

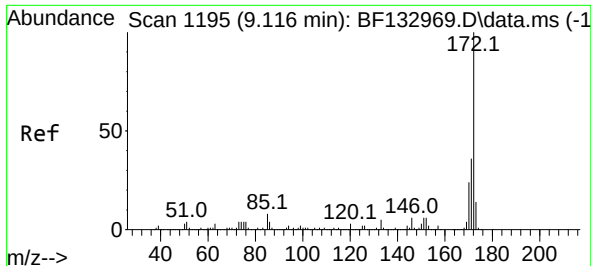
Tgt Ion:196 Resp: 325643
Ion Ratio Lower Upper
196 100
198 99.1 81.0 121.6
200 30.8 26.1 39.1



#44
2,4,5-Trichlorophenol
Concen: 43.592 ng
RT: 9.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:196 Resp: 340040
Ion Ratio Lower Upper
196 100
198 100.7 80.9 121.3
97 50.5 41.3 61.9
132 31.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 64.072 ng

RT: 9.098 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

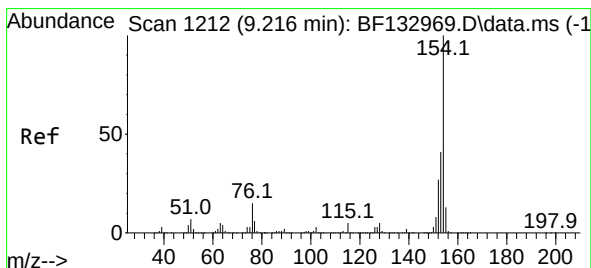
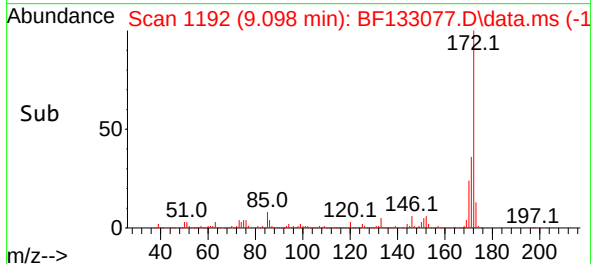
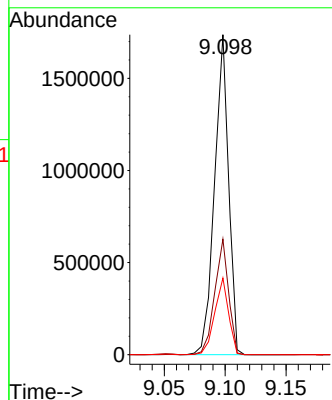
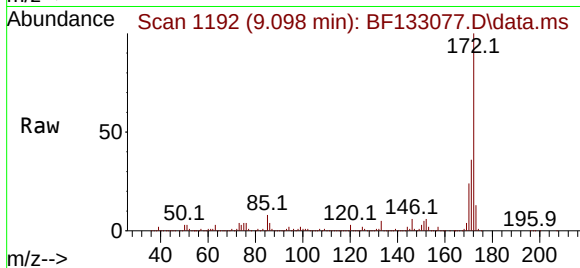
Tgt Ion:172 Resp: 1389173

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 24.0 19.4 29.2



#46

1,1'-Biphenyl

Concen: 45.226 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

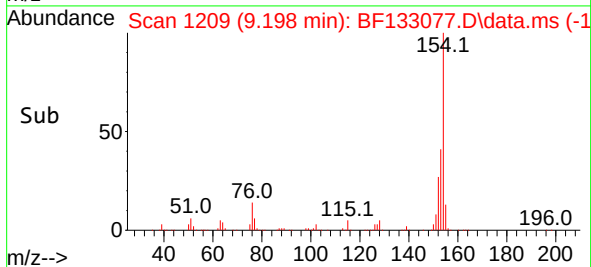
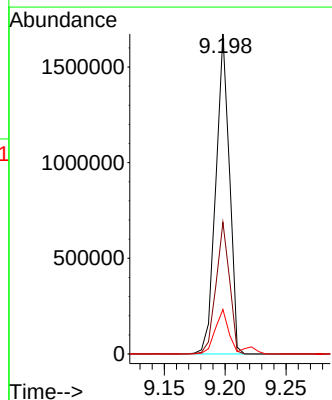
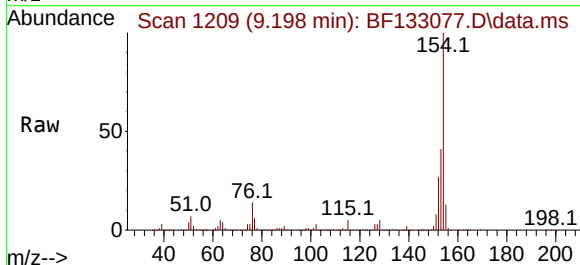
Tgt Ion:154 Resp: 1300836

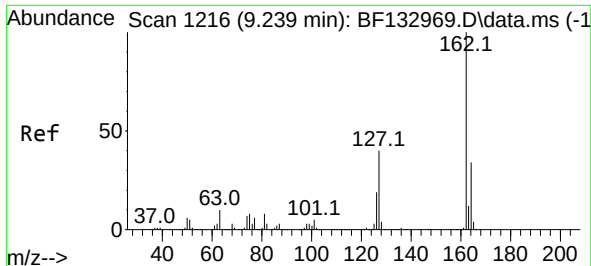
Ion Ratio Lower Upper

154 100

153 41.2 21.0 61.0

76 13.9 0.0 34.5





#47

2-Chloronaphthalene

Concen: 47.315 ng

RT: 9.222 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

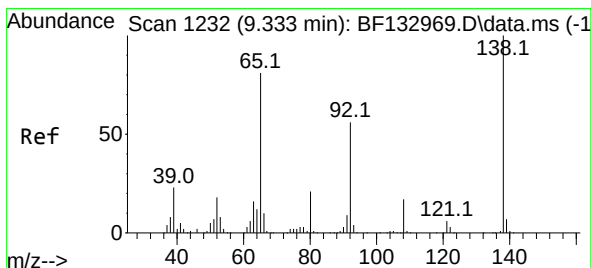
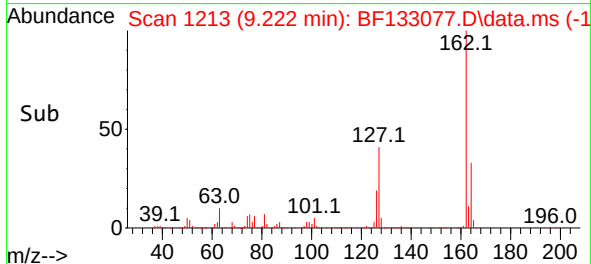
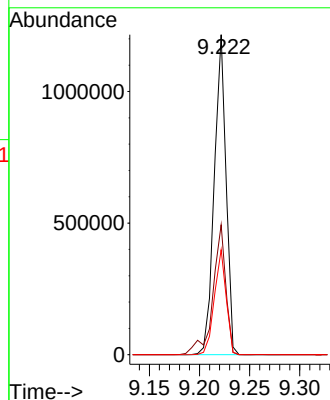
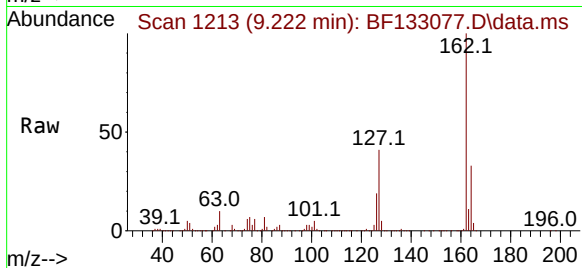
Tgt Ion:162 Resp: 996089

Ion Ratio Lower Upper

162 100

127 40.6 32.3 48.5

164 32.8 26.8 40.2



#48

2-Nitroaniline

Concen: 46.229 ng

RT: 9.316 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

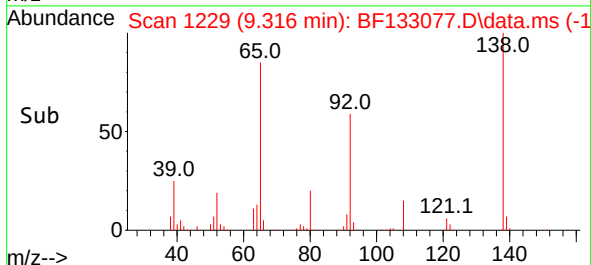
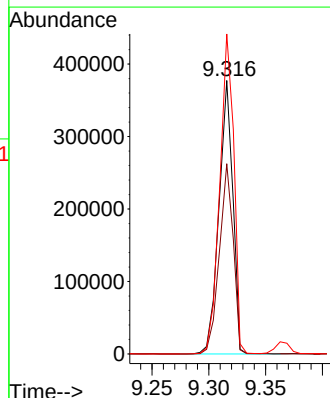
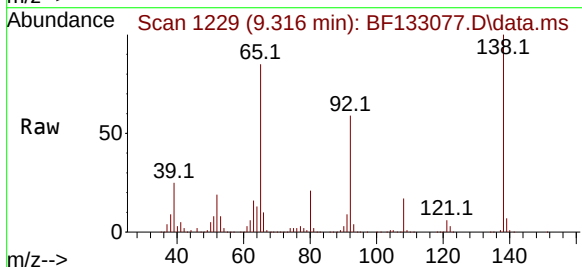
Tgt Ion: 65 Resp: 321649

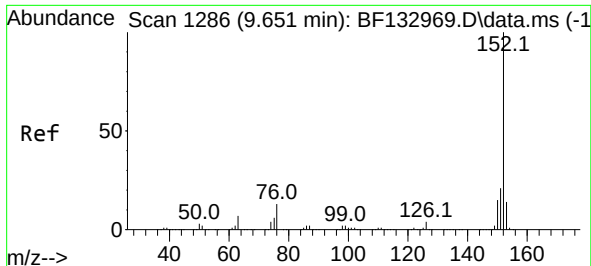
Ion Ratio Lower Upper

65 100

92 69.6 55.4 83.0

138 117.1 98.2 147.2





#49

Acenaphthylene

Concen: 46.155 ng

RT: 9.633 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

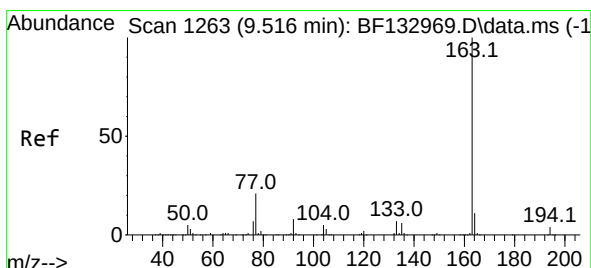
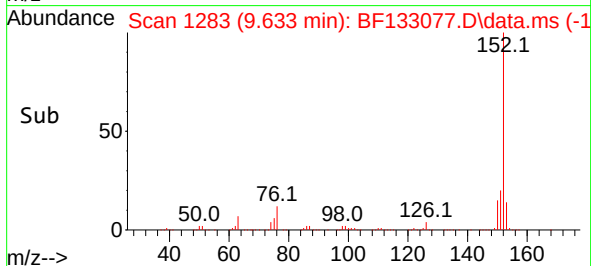
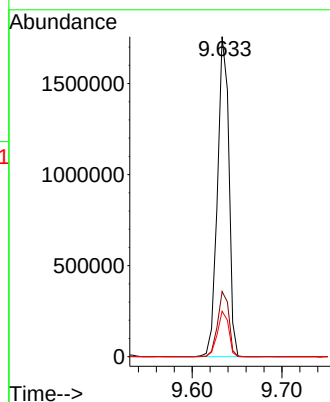
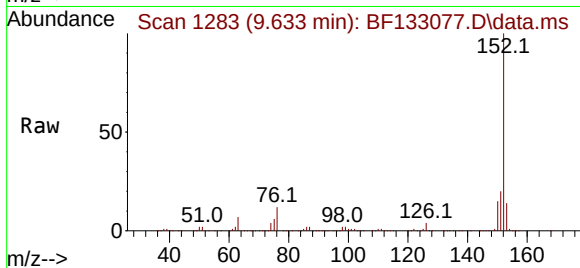
Tgt Ion:152 Resp: 1552591

Ion Ratio Lower Upper

152 100

151 20.3 16.6 24.8

153 14.2 11.5 17.3



#50

Dimethylphthalate

Concen: 46.441 ng

RT: 9.504 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

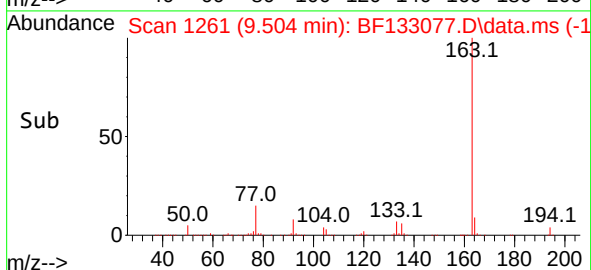
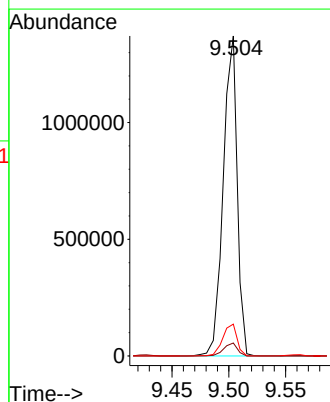
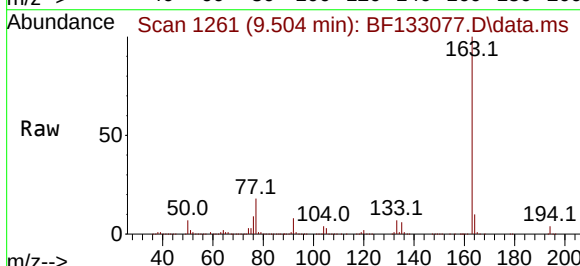
Tgt Ion:163 Resp: 1174610

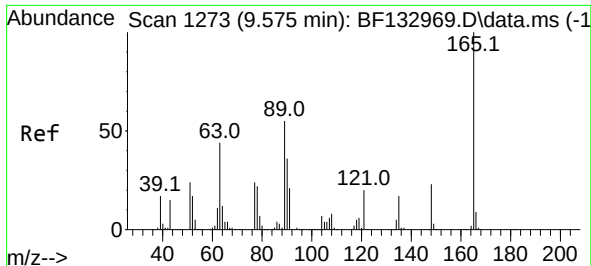
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.0 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 49.293 ng

RT: 9.557 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

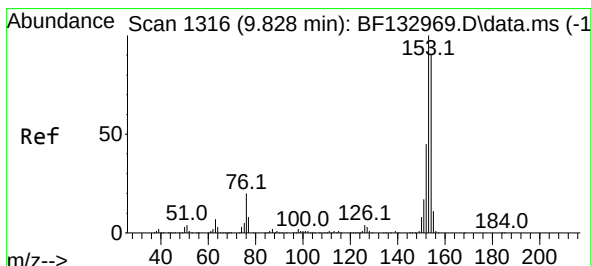
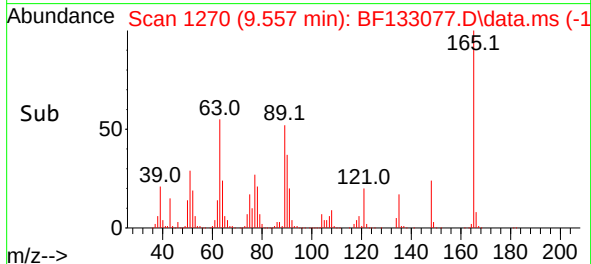
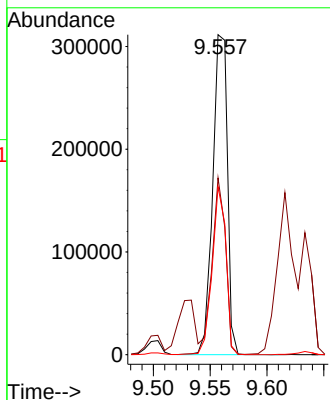
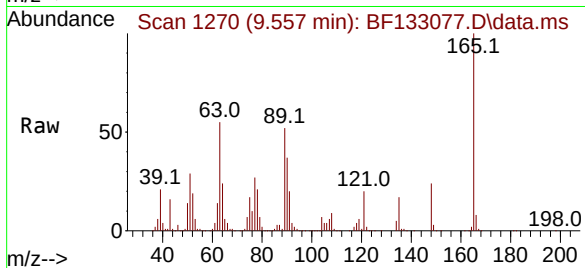
Tgt Ion:165 Resp: 280610

Ion Ratio Lower Upper

165 100

63 55.2 45.9 68.9

89 52.5 44.0 66.0



#52

Acenaphthene

Concen: 44.883 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

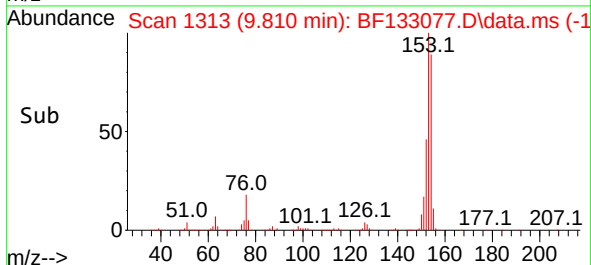
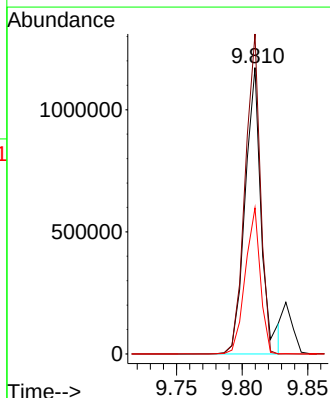
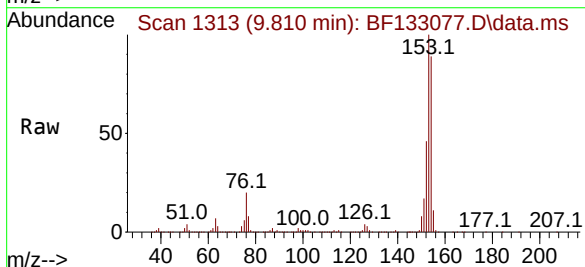
Tgt Ion:154 Resp: 1011197

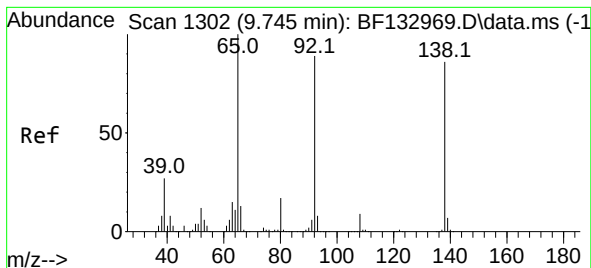
Ion Ratio Lower Upper

154 100

153 111.7 89.0 133.6

152 51.0 40.4 60.6





#53

3-Nitroaniline

Concen: 37.743 ng

RT: 9.727 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

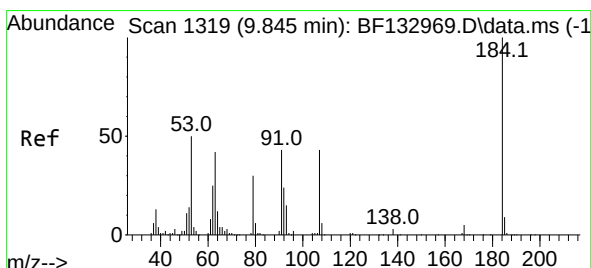
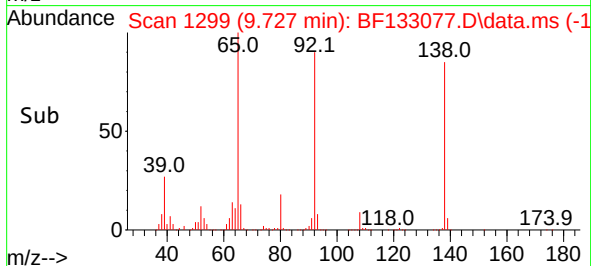
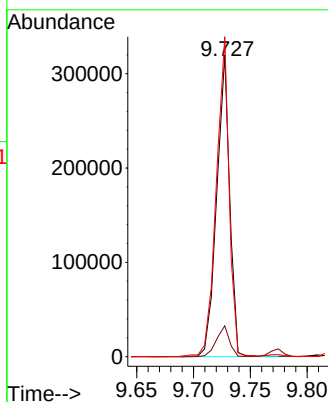
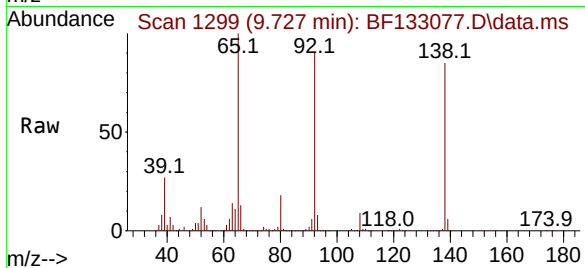
Tgt Ion:138 Resp: 255472

Ion Ratio Lower Upper

138 100

108 10.2 8.0 12.0

92 106.1 83.6 125.4



#54

2,4-Dinitrophenol

Concen: 108.160 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.006 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

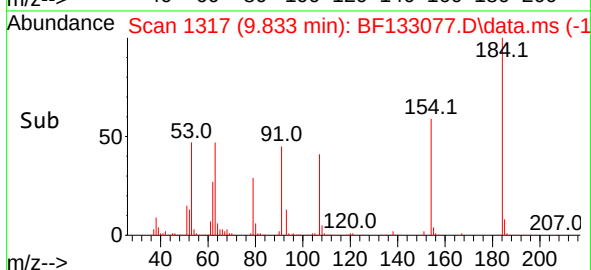
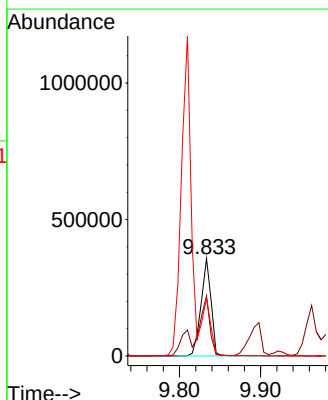
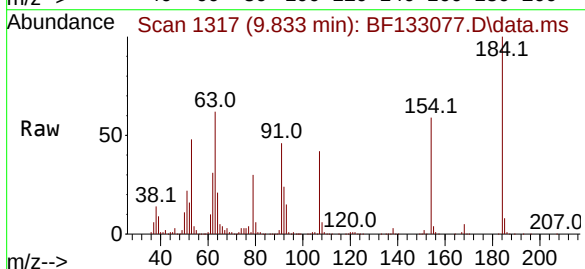
Tgt Ion:184 Resp: 309489

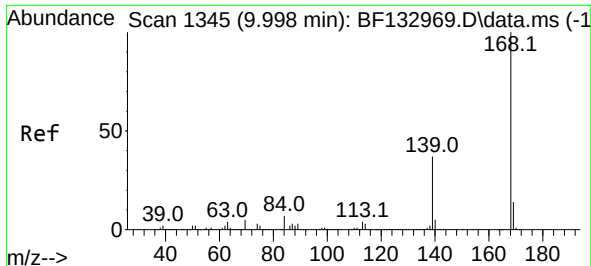
Ion Ratio Lower Upper

184 100

63 61.7 49.8 74.8

154 59.2 49.5 74.3

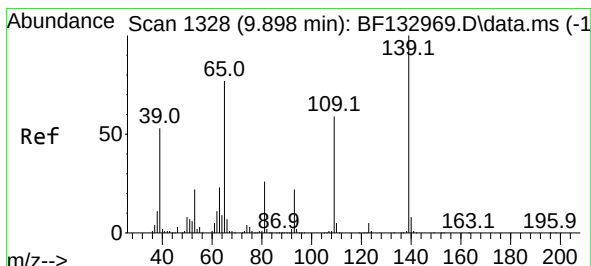
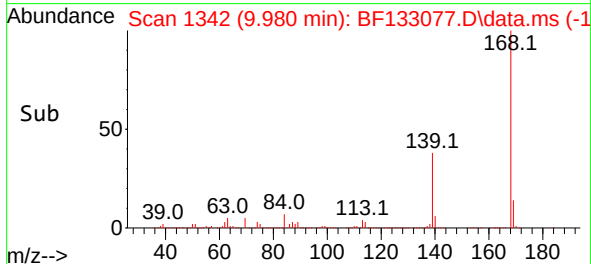
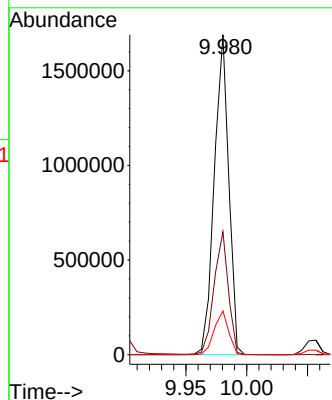
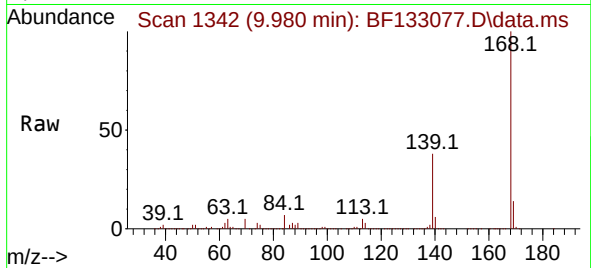




#55
Dibenzenofuran
Concen: 45.540 ng
RT: 9.980 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

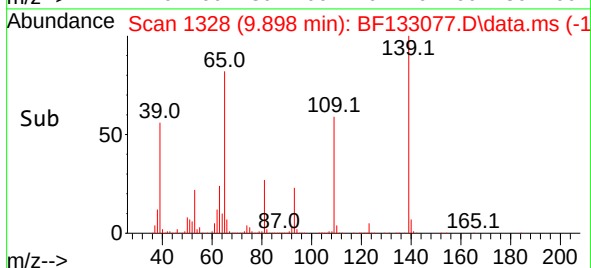
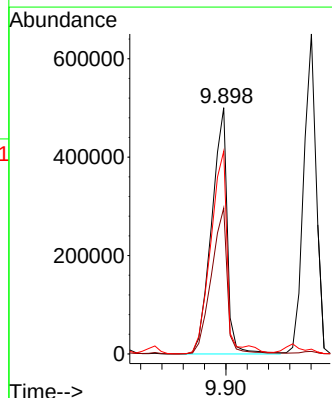
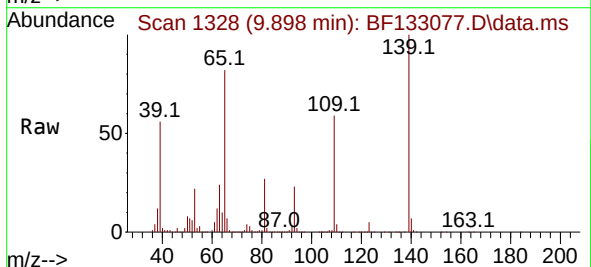
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

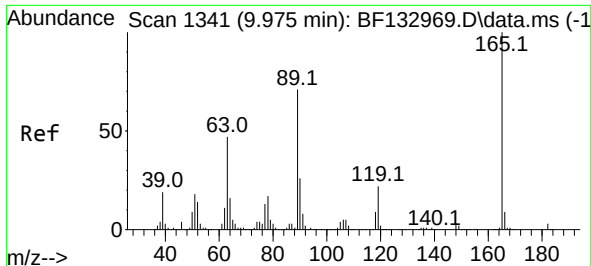
Tgt Ion:168 Resp: 1399548
Ion Ratio Lower Upper
168 100
139 38.5 29.8 44.8
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 97.737 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.012 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:139 Resp: 512384
Ion Ratio Lower Upper
139 100
109 59.3 39.4 79.4
65 82.3 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 51.393 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133077.D

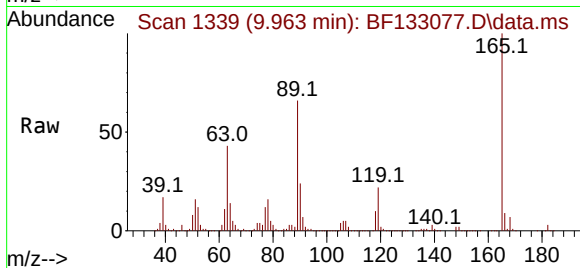
Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD



Tgt Ion:165 Resp: 373101

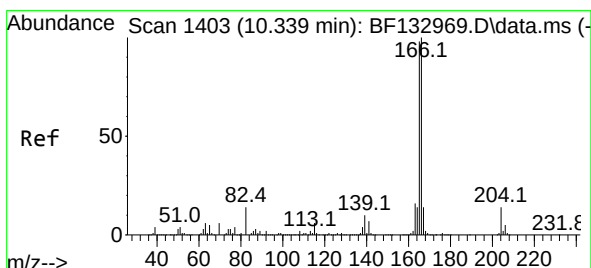
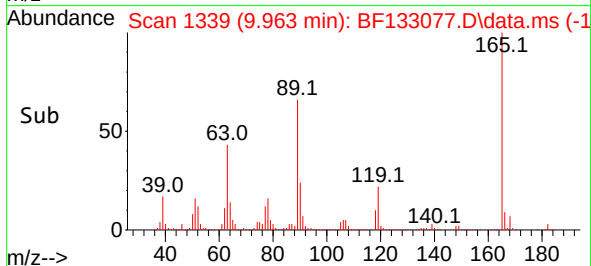
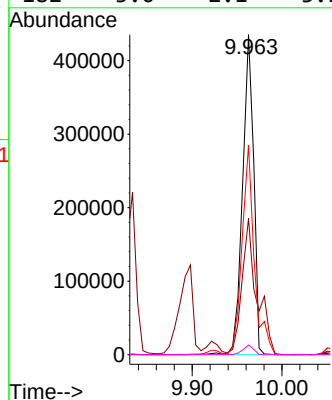
Ion Ratio Lower Upper

165 100

63 42.6 37.7 56.5

89 65.5 57.0 85.4

182 3.0 2.1 3.1



#58

Fluorene

Concen: 45.916 ng

RT: 10.322 min Scan# 1400

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

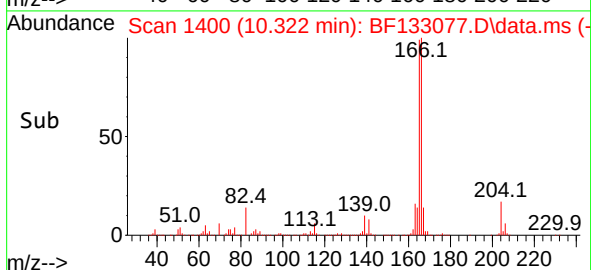
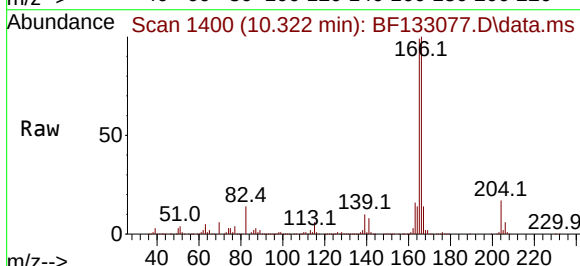
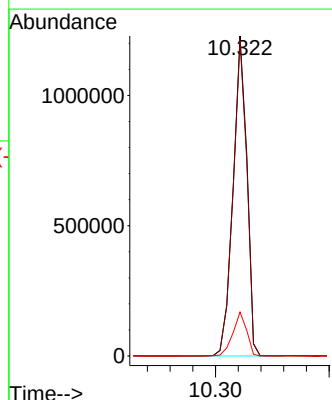
Tgt Ion:166 Resp: 1033826

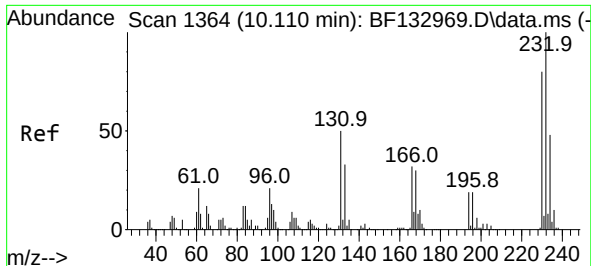
Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

167 13.7 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 49.008 ng

RT: 10.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

Tgt Ion:232 Resp: 296369

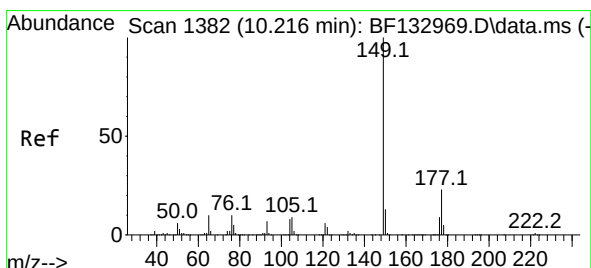
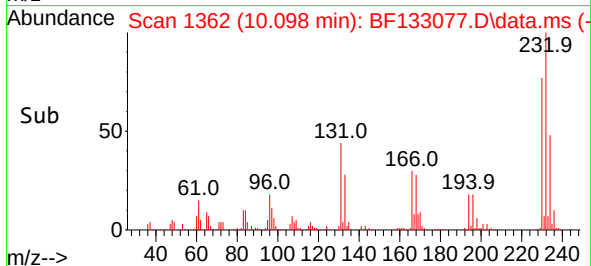
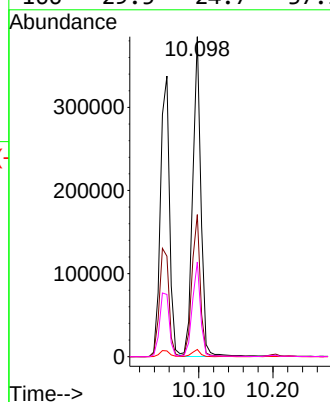
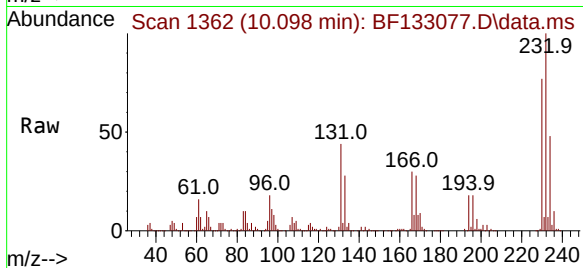
Ion Ratio Lower Upper

232 100

131 45.1 38.0 57.0

130 2.3 1.8 2.8

166 29.5 24.7 37.1



#60

Diethylphthalate

Concen: 46.580 ng

RT: 10.204 min Scan# 1380

Delta R.T. 0.006 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

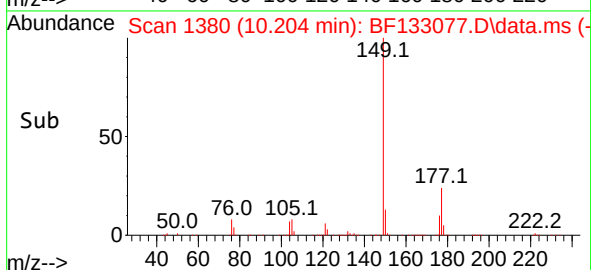
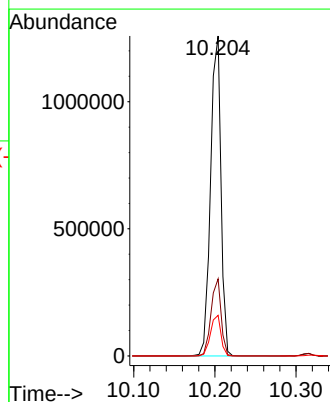
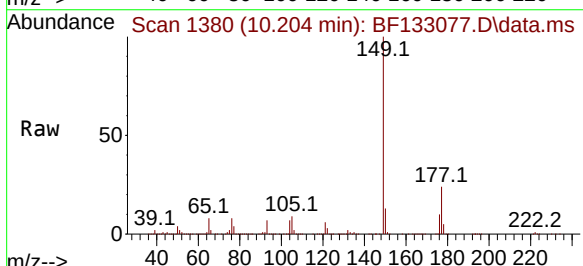
Tgt Ion:149 Resp: 1112815

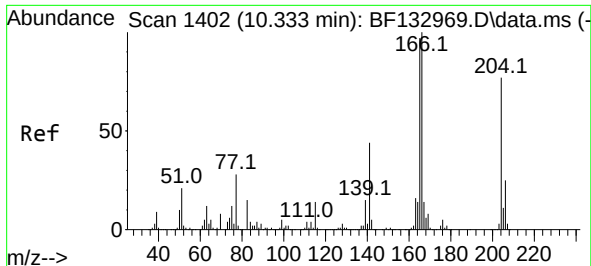
Ion Ratio Lower Upper

149 100

177 24.1 18.2 27.4

150 12.7 10.2 15.4

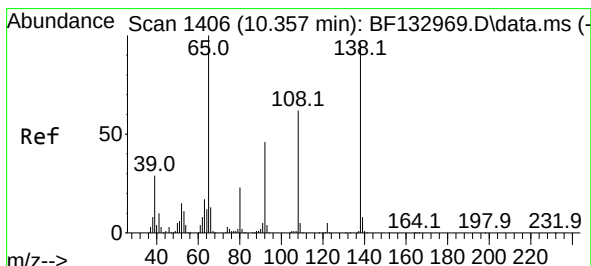
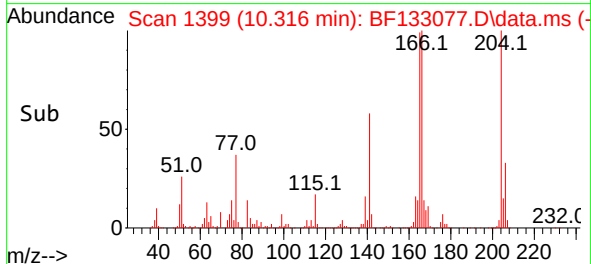
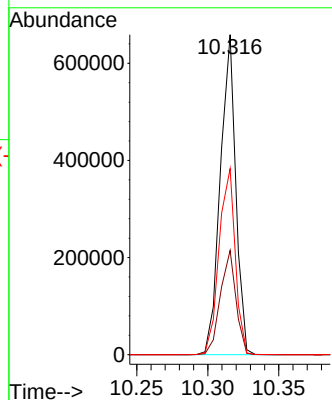
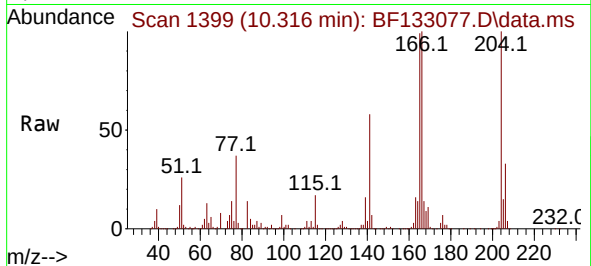




#61
4-Chlorophenyl-phenylether
Concen: 45.395 ng
RT: 10.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

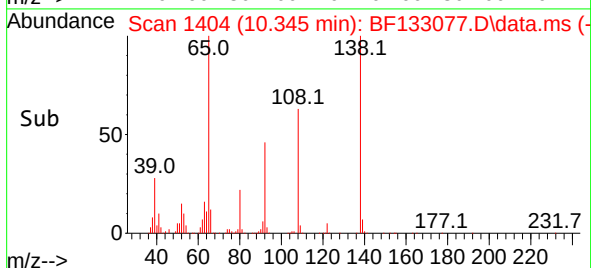
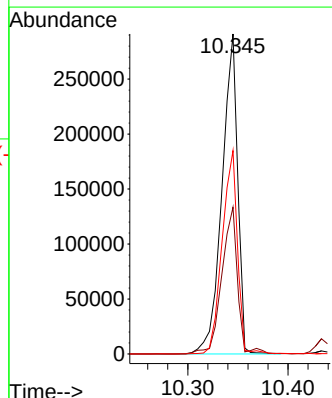
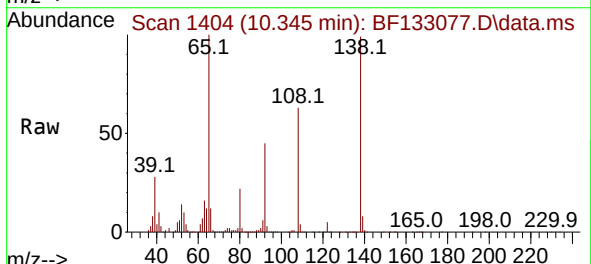
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

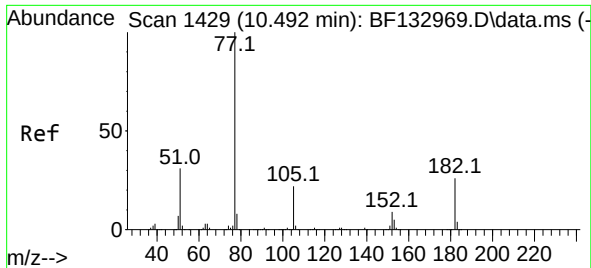
Tgt Ion:204 Resp: 498090
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 58.2 46.1 69.1



#62
4-Nitroaniline
Concen: 50.703 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.006 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:138 Resp: 315429
Ion Ratio Lower Upper
138 100
92 45.8 27.7 67.7
108 63.6 45.2 85.2

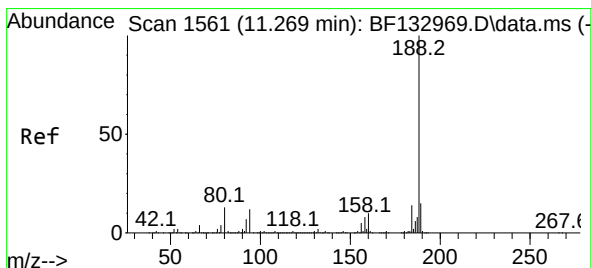
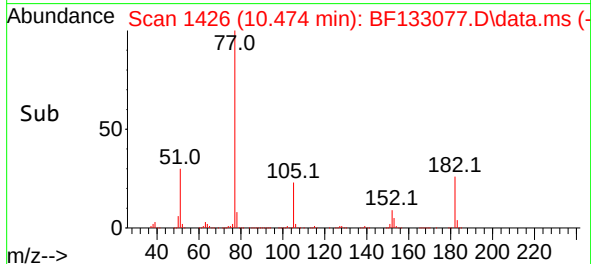
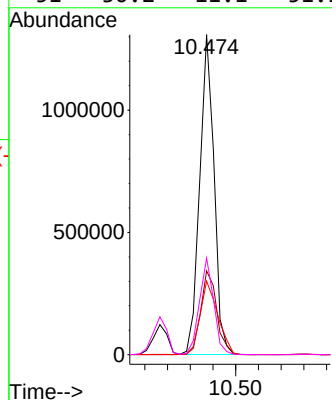
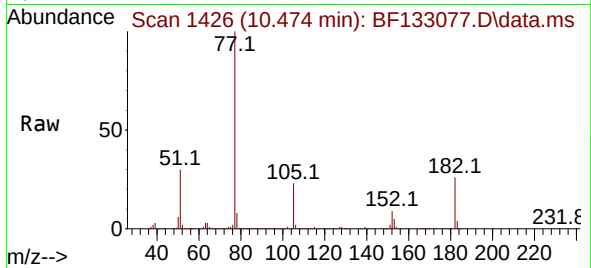




#63
Azobenzene
Concen: 45.414 ng
RT: 10.474 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

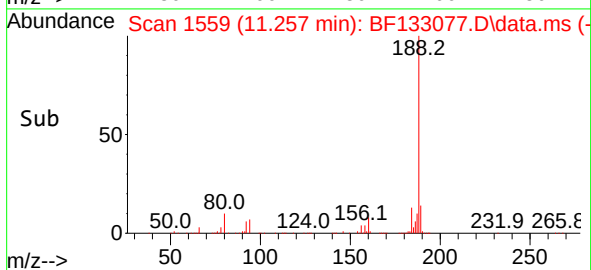
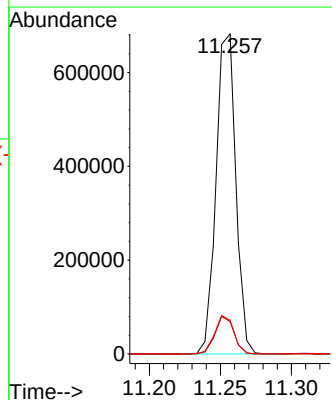
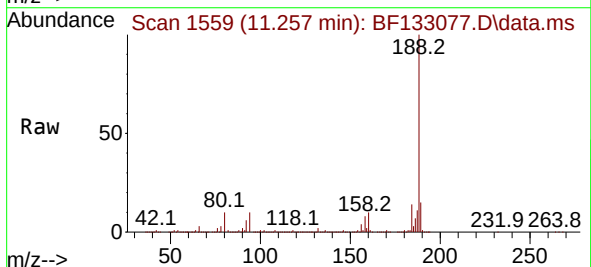
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

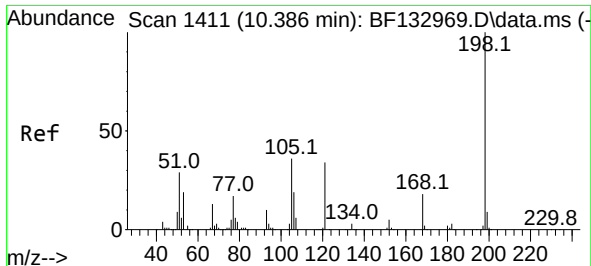
Tgt Ion: 77 Resp: 1149325
Ion Ratio Lower Upper
77 100
182 26.2 5.9 45.9
105 23.0 2.3 42.3
51 30.2 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion: 188 Resp: 659347
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.5 10.4 15.6

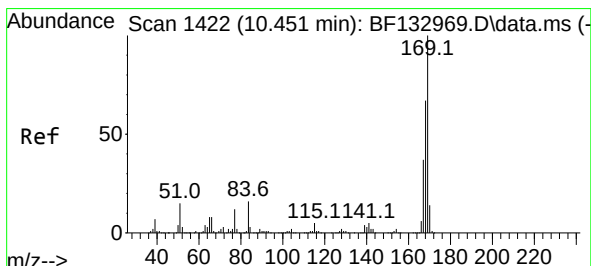
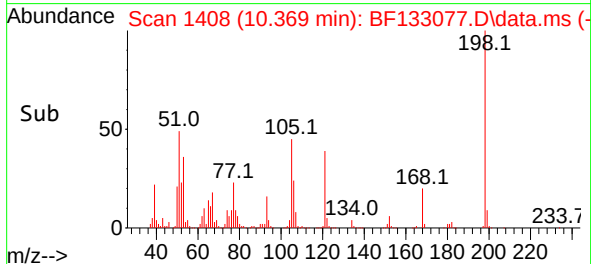
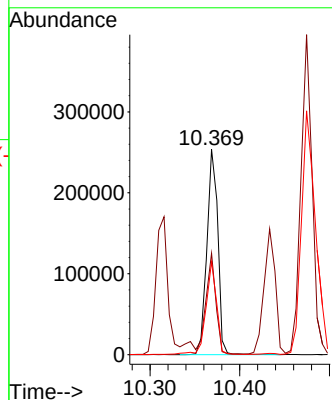
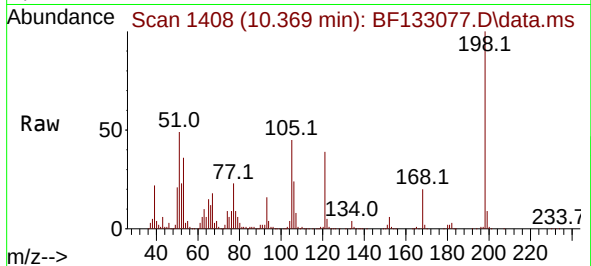




#65
4,6-Dinitro-2-methylphenol
Concen: 53.646 ng
RT: 10.369 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

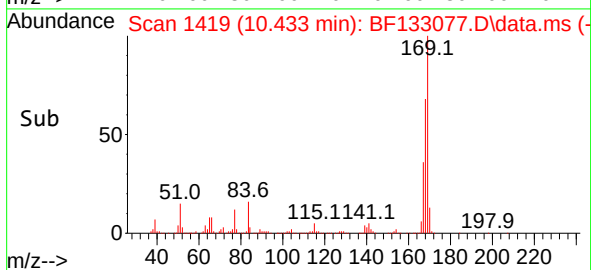
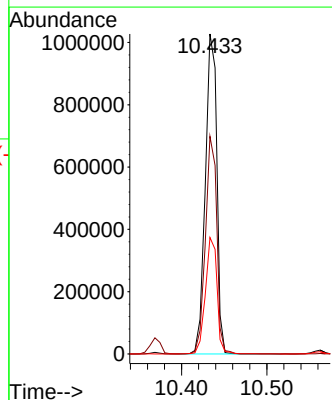
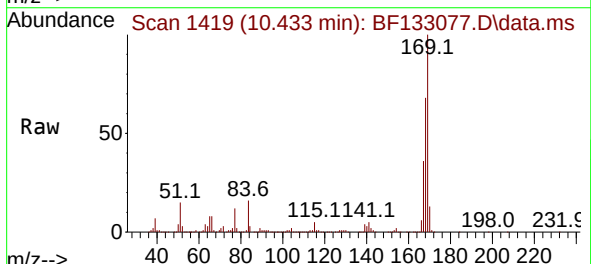
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

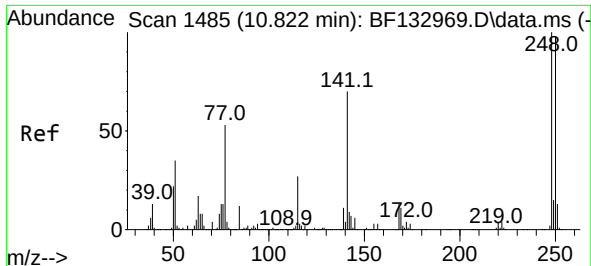
Tgt Ion:198 Resp: 214393
Ion Ratio Lower Upper
198 100
51 49.4 15.5 55.5
105 45.3 16.7 56.7



#66
n-Nitrosodiphenylamine
Concen: 44.883 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:169 Resp: 959932
Ion Ratio Lower Upper
169 100
168 68.0 53.8 80.8
167 36.4 29.7 44.5





#67

4-Bromophenyl-phenylether

Concen: 45.218 ng

RT: 10.804 min Scan# 1482

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

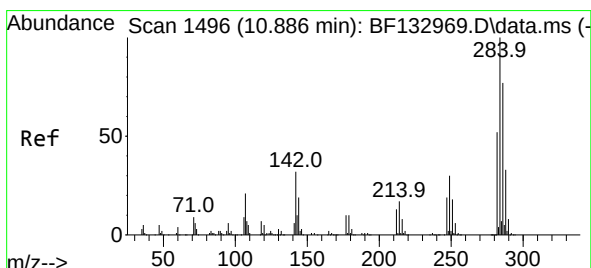
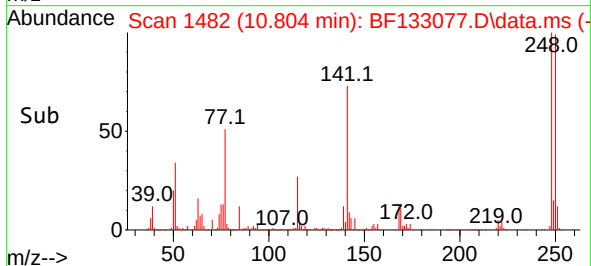
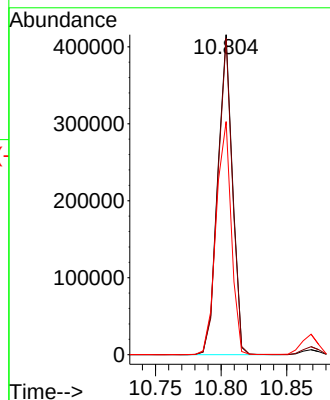
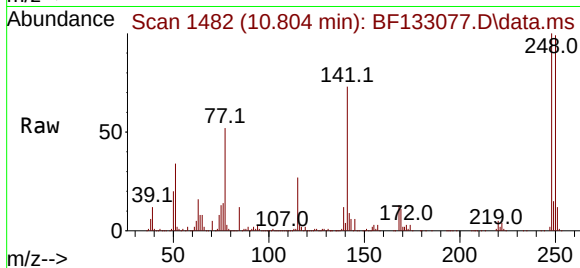
Tgt Ion:248 Resp: 323357

Ion Ratio Lower Upper

248 100

250 98.9 78.7 118.1

141 72.9 56.3 84.5



#68

Hexachlorobenzene

Concen: 48.943 ng

RT: 10.869 min Scan# 1493

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

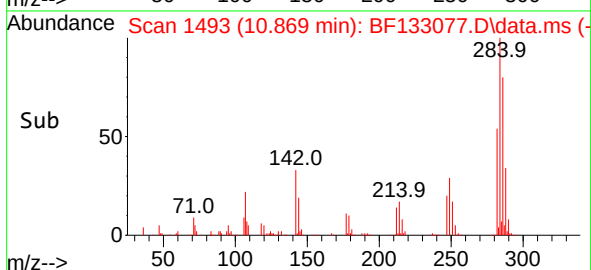
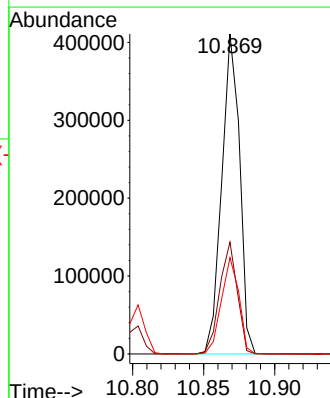
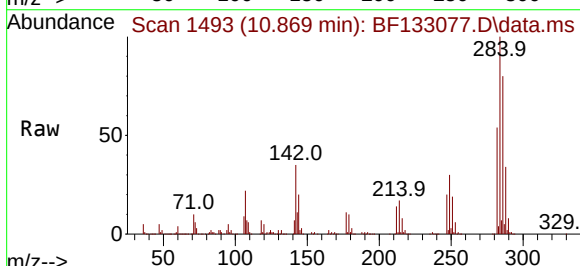
Tgt Ion:284 Resp: 358635

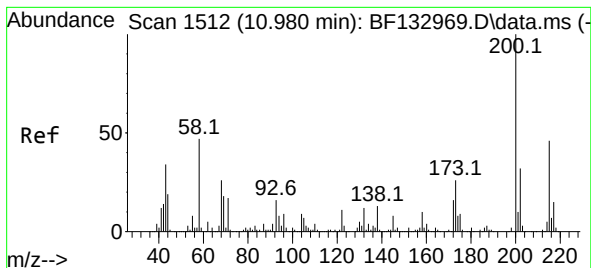
Ion Ratio Lower Upper

284 100

142 34.9 26.0 39.0

249 30.1 23.7 35.5





#69

Atrazine

Concen: 54.220 ng

RT: 10.963 min Scan# 1509

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

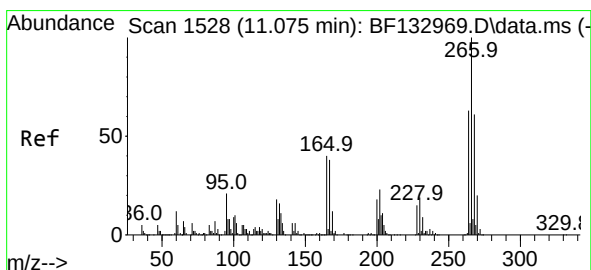
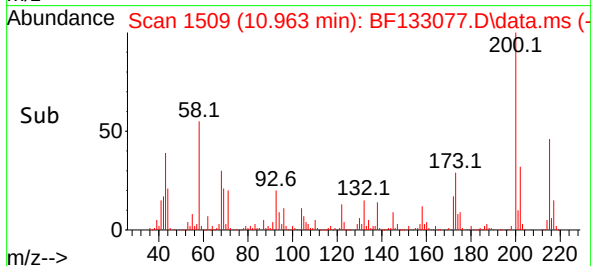
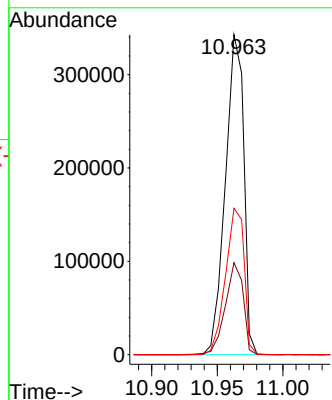
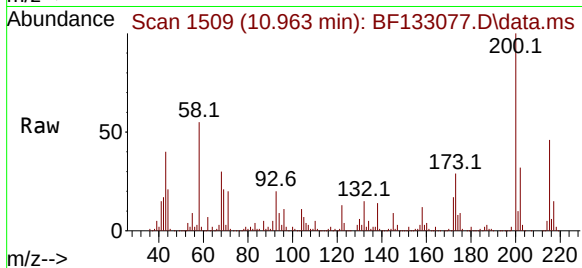
Tgt Ion:200 Resp: 334140

Ion Ratio Lower Upper

200 100

173 28.7 6.2 46.2

215 45.8 26.3 66.3



#70

Pentachlorophenol

Concen: 80.071 ng

RT: 11.063 min Scan# 1526

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

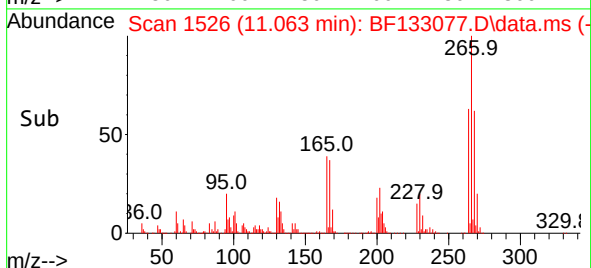
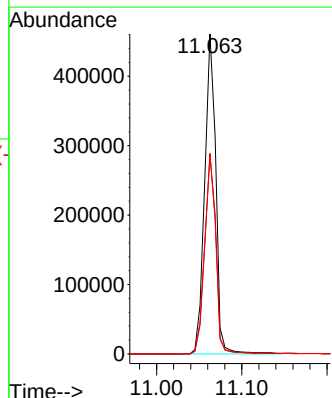
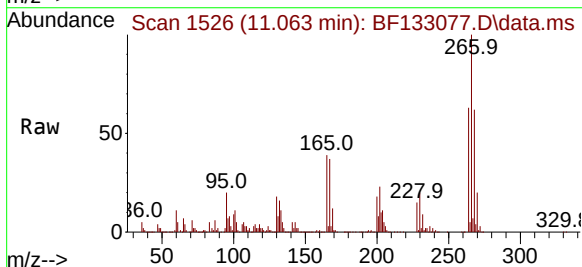
Tgt Ion:266 Resp: 417862

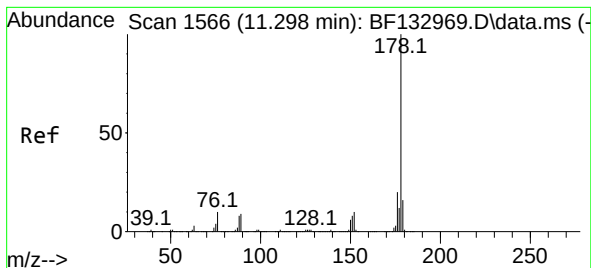
Ion Ratio Lower Upper

266 100

268 62.2 48.8 73.2

264 62.7 50.6 76.0





#71

Phenanthrene

Concen: 45.943 ng

RT: 11.280 min Scan# 1563

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

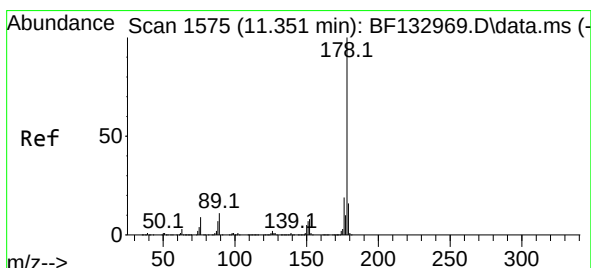
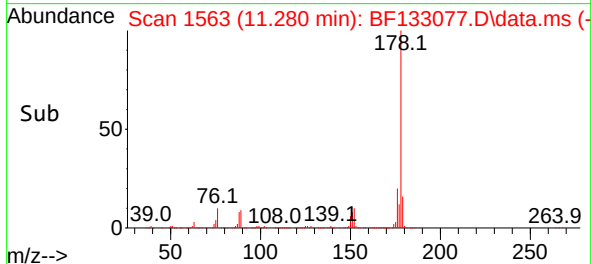
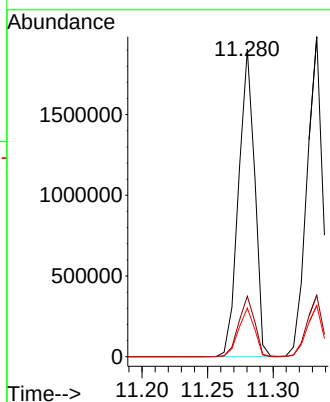
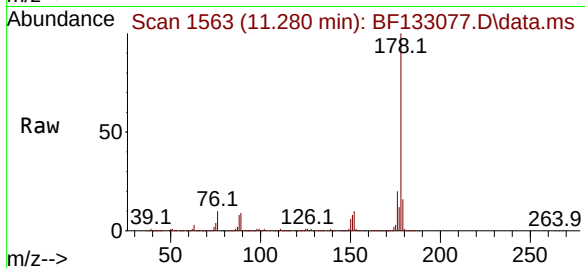
Tgt Ion:178 Resp: 1628137

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 15.8 12.5 18.7



#72

Anthracene

Concen: 45.153 ng

RT: 11.333 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

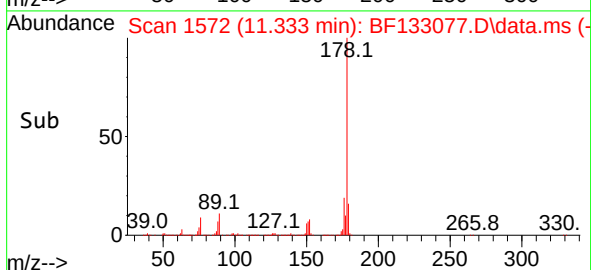
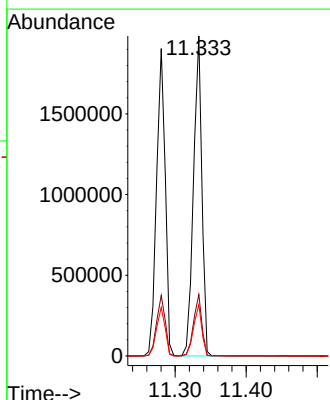
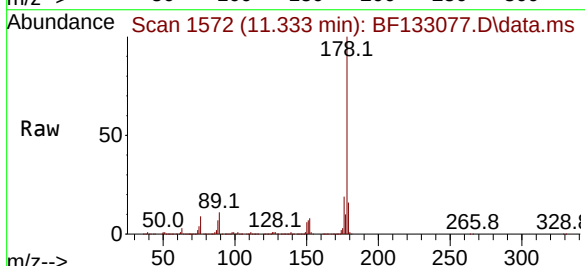
Tgt Ion:178 Resp: 1637540

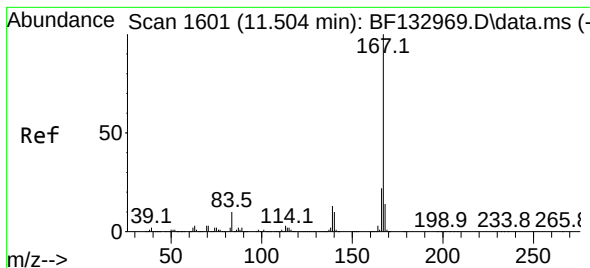
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 16.0 12.4 18.6





#73

Carbazole

Concen: 47.301 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

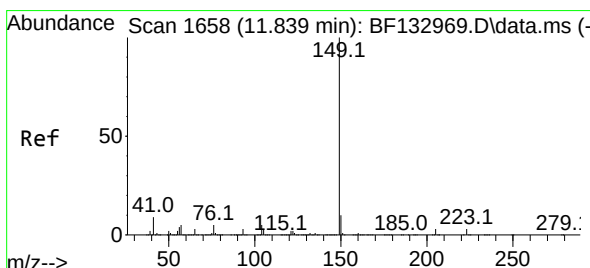
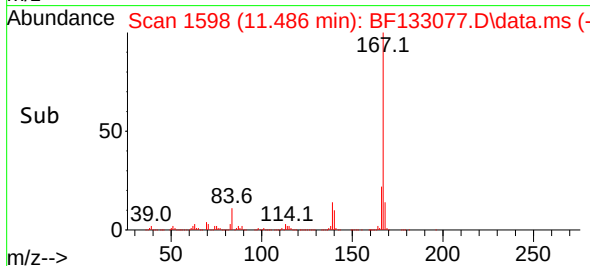
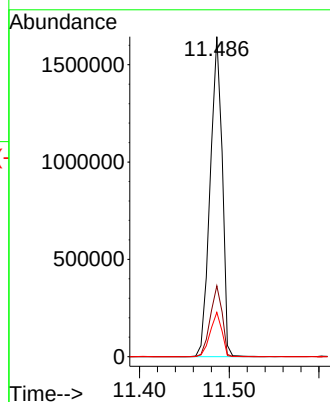
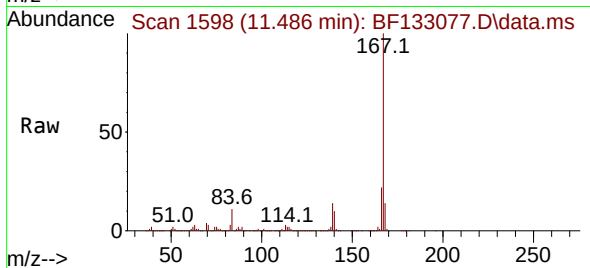
Tgt Ion:167 Resp: 1527477

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.0

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 49.029 ng

RT: 11.821 min Scan# 1655

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

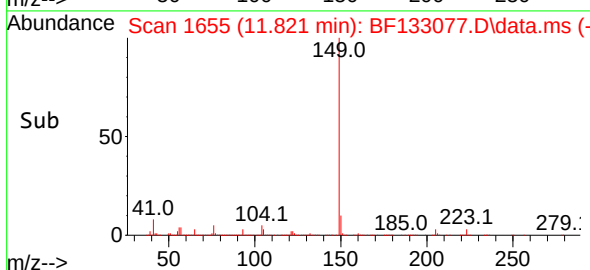
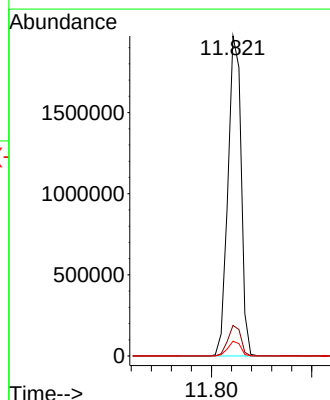
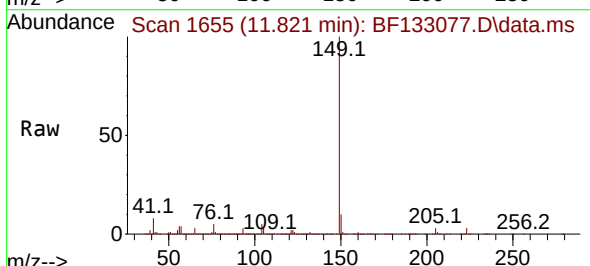
Tgt Ion:149 Resp: 1791741

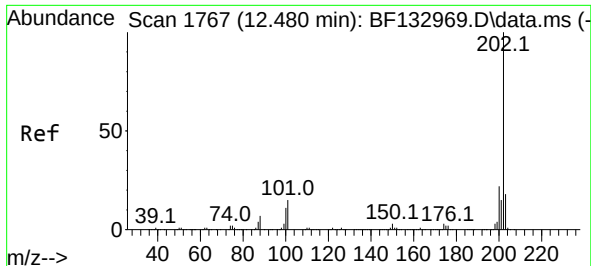
Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

104 4.6 4.0 6.0

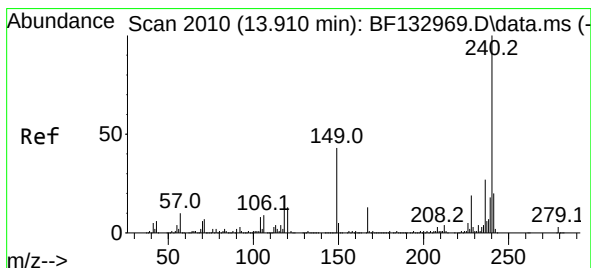
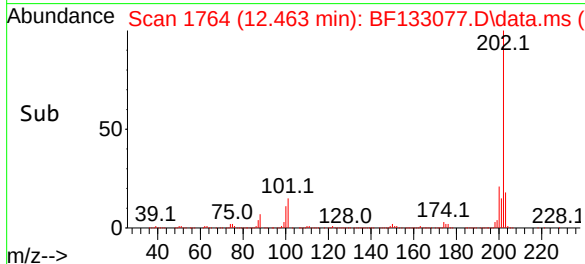
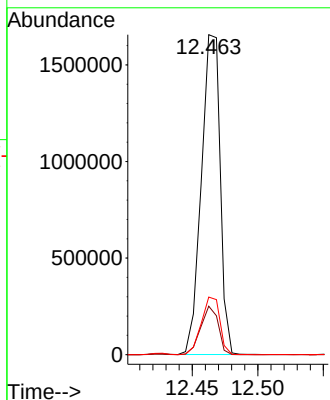
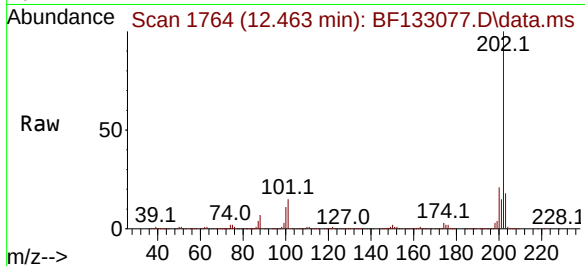




#75
Fluoranthene
Concen: 46.673 ng
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

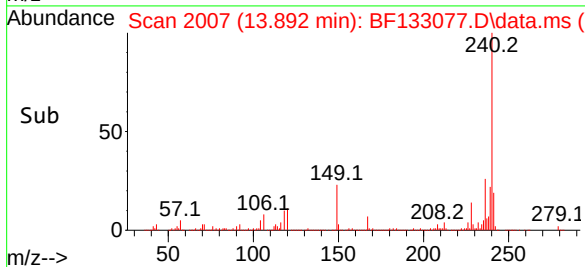
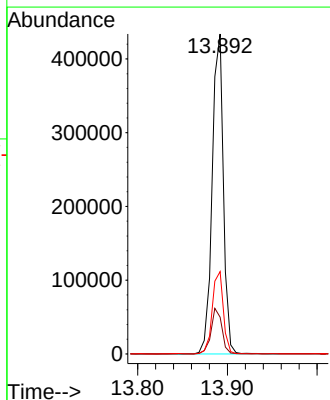
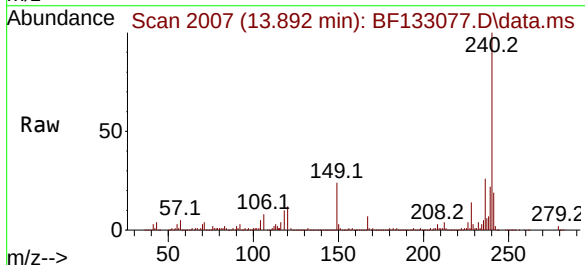
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

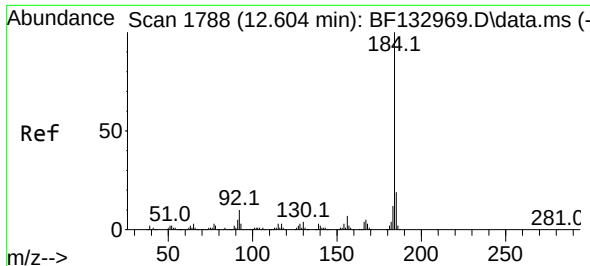
Tgt Ion:202 Resp: 1659984
Ion Ratio Lower Upper
202 100
101 15.2 0.0 35.3
203 18.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:240 Resp: 375146
Ion Ratio Lower Upper
240 100
120 11.5 10.5 15.7
236 25.7 21.5 32.3

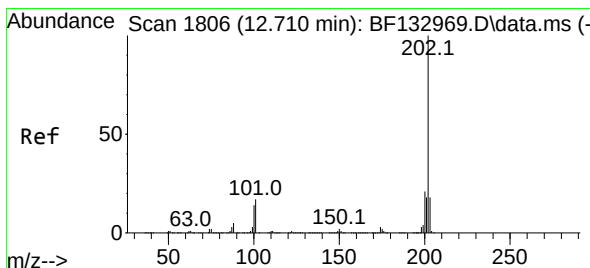
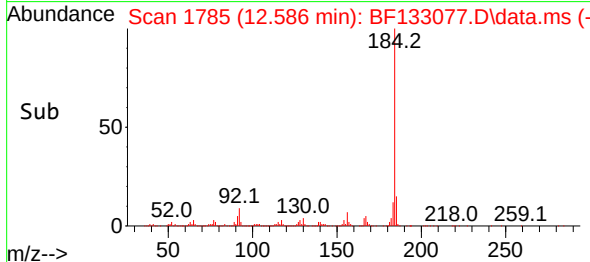
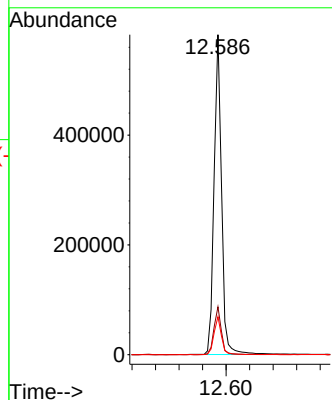
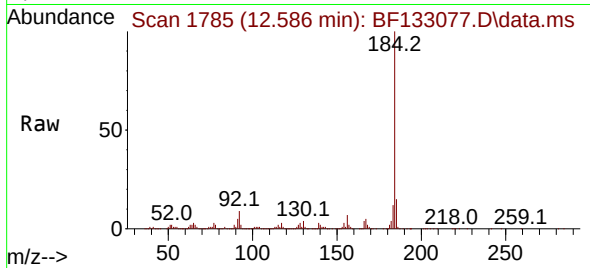




#77
Benzidine
Concen: 81.222 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

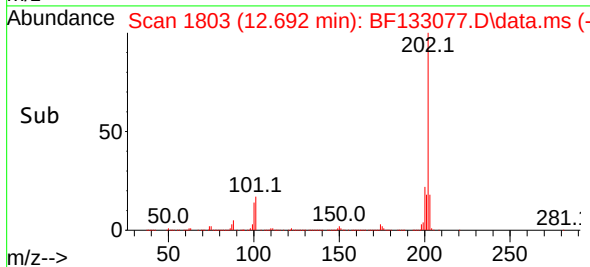
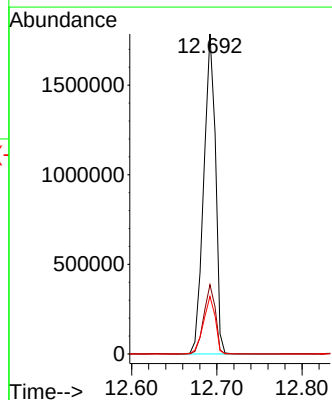
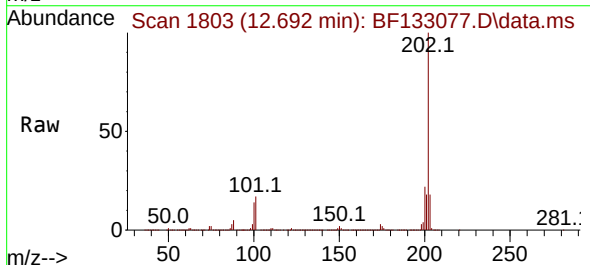
Instrument :
BNA_F
ClientSampleId :
20230353-COMP-31MSD

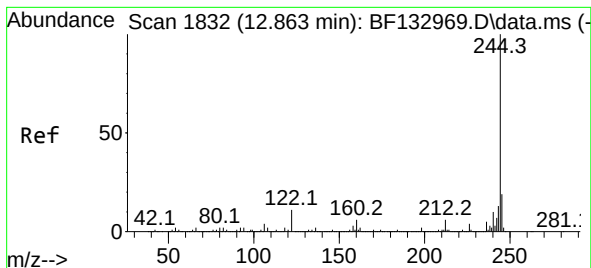
Tgt Ion:184 Resp: 515263
Ion Ratio Lower Upper
184 100
185 15.0 15.4 23.2#
183 11.8 9.4 14.0



#78
Pyrene
Concen: 52.989 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF133077.D
Acq: 26 Apr 2023 21:34

Tgt Ion:202 Resp: 1704069
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 69.753 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133077.D

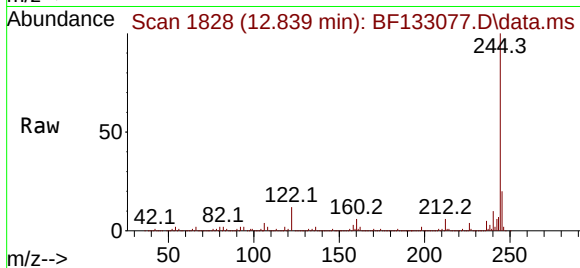
Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD



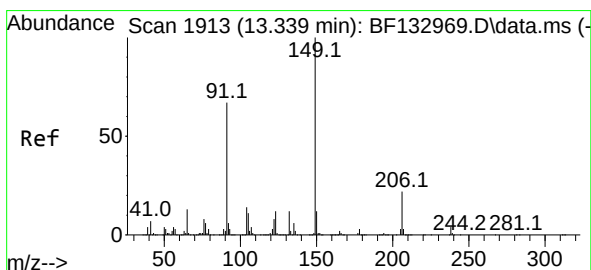
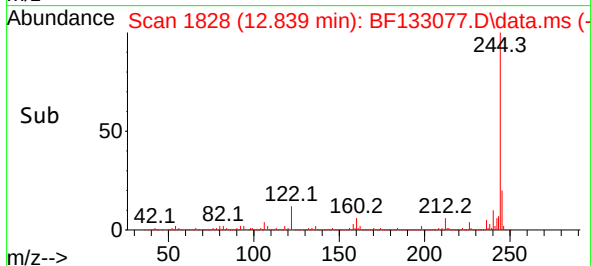
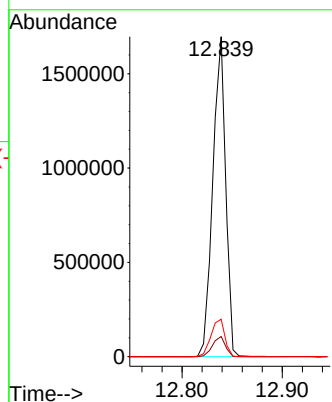
Tgt Ion:244 Resp: 1517258

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 62.021 ng

RT: 13.315 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

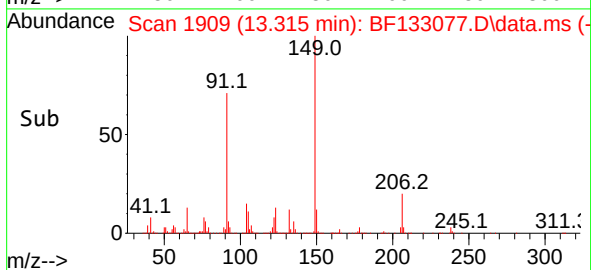
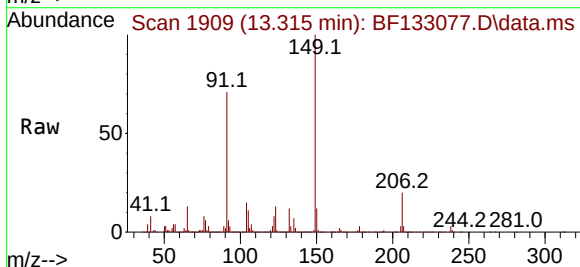
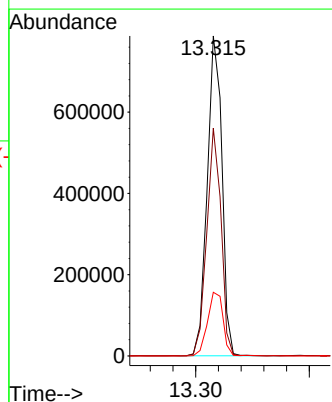
Tgt Ion:149 Resp: 706200

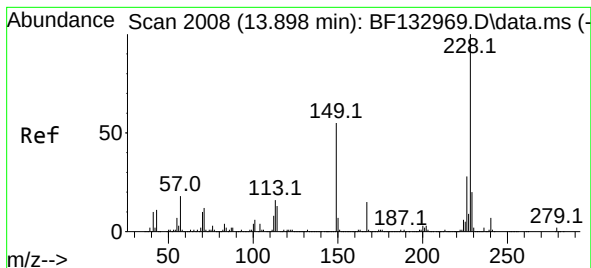
Ion Ratio Lower Upper

149 100

91 71.2 53.8 80.6

206 19.9 17.5 26.3





#81

Benzo(a)anthracene

Concen: 47.170 ng

RT: 13.880 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

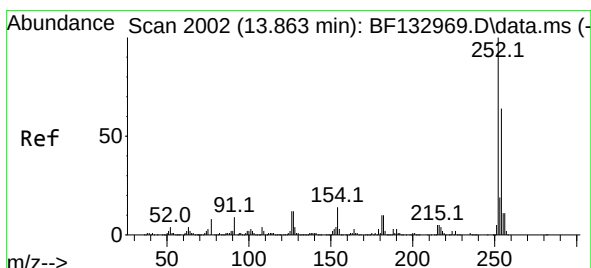
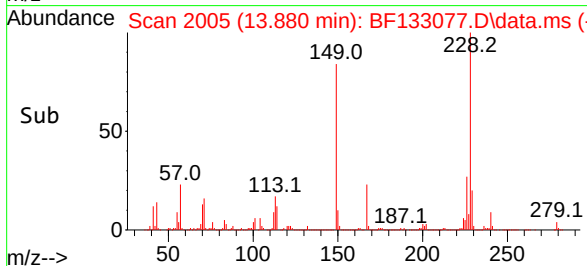
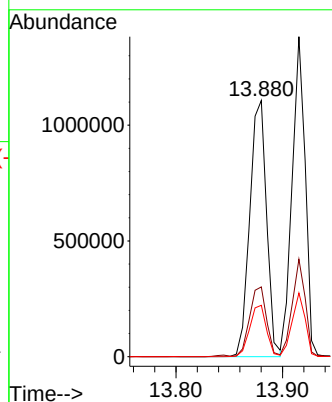
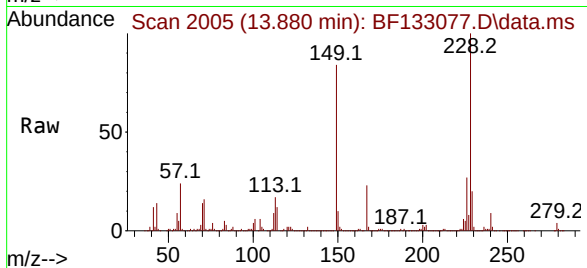
Tgt Ion:228 Resp: 1216862

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.4

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 50.973 ng

RT: 13.845 min Scan# 1999

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

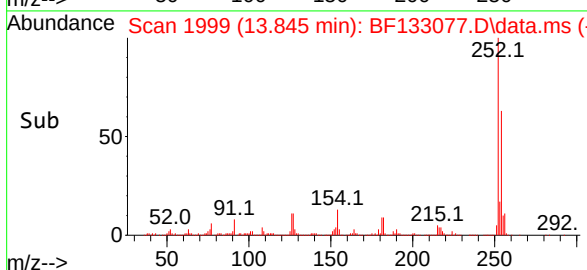
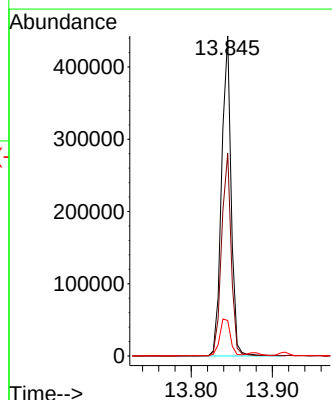
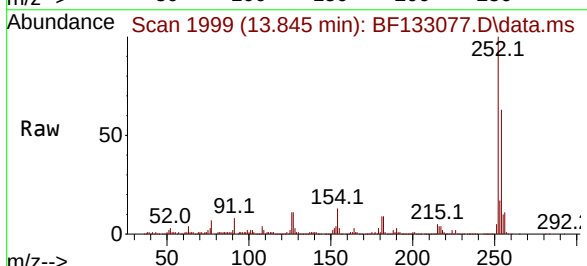
Tgt Ion:252 Resp: 363264

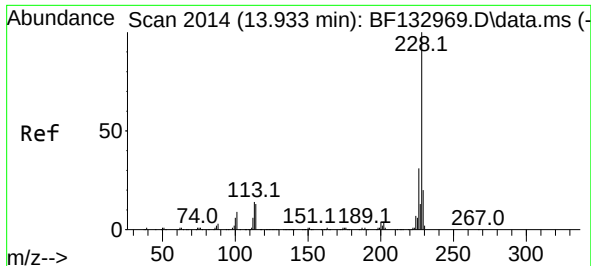
Ion Ratio Lower Upper

252 100

254 63.3 51.5 77.3

126 11.1 9.5 14.3





#83

Chrysene

Concen: 45.826 ng

RT: 13.915 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

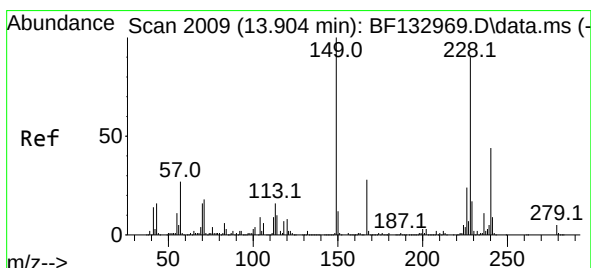
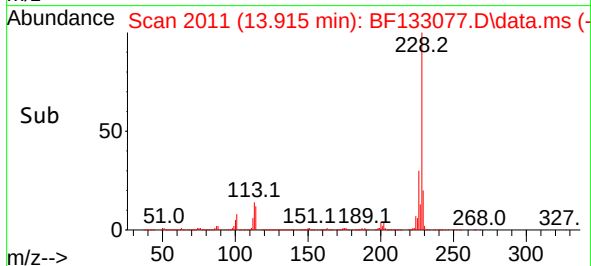
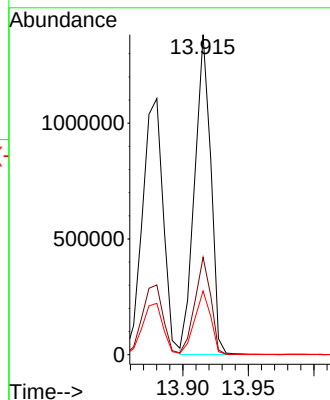
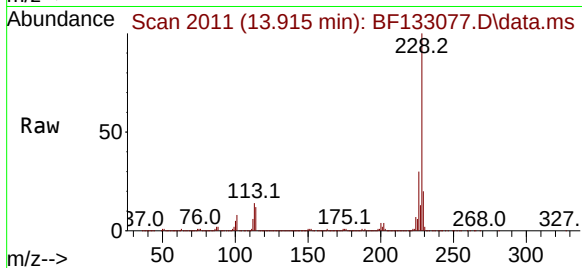
Tgt Ion:228 Resp: 1181902

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

229 19.9 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.088 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

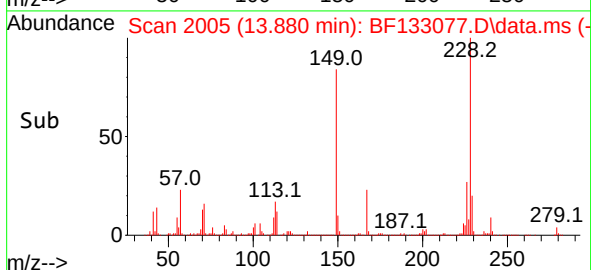
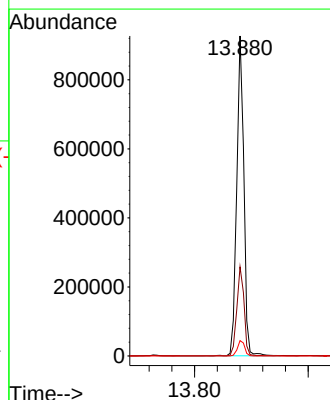
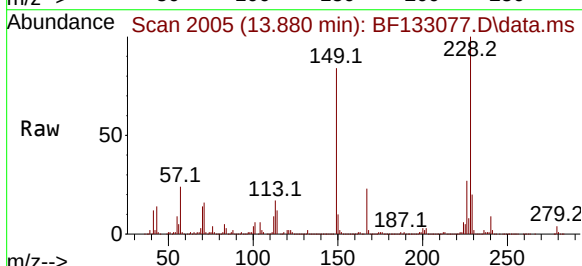
Tgt Ion:149 Resp: 801624

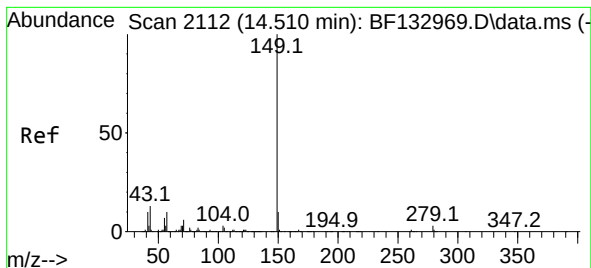
Ion Ratio Lower Upper

149 100

167 27.9 22.5 33.7

279 4.8 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 55.615 ng

RT: 14.492 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

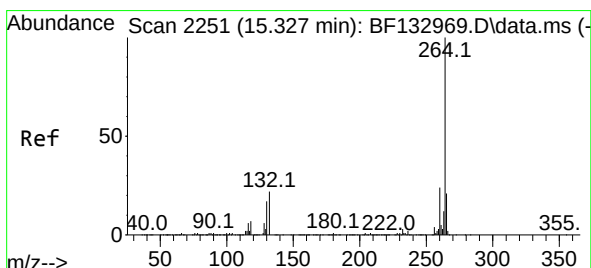
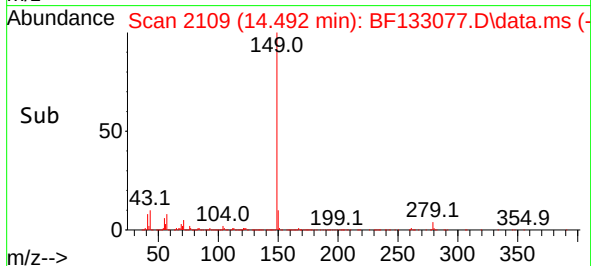
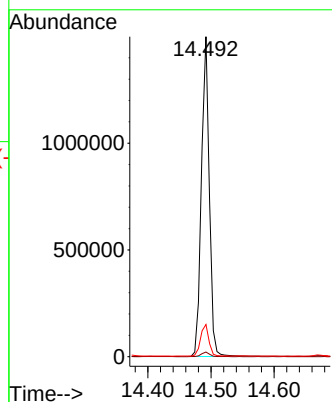
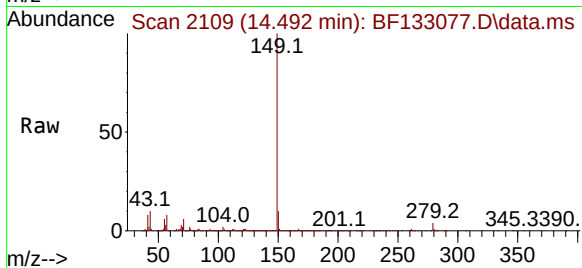
Tgt Ion:149 Resp: 1296075

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.3 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

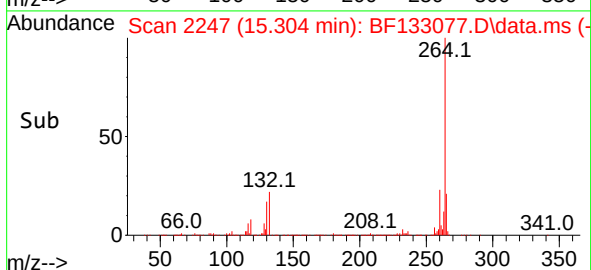
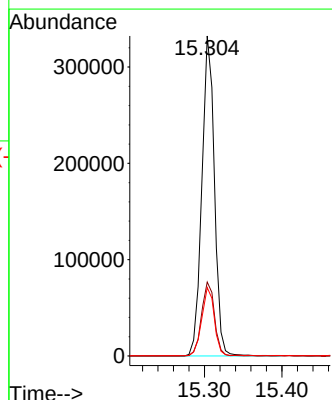
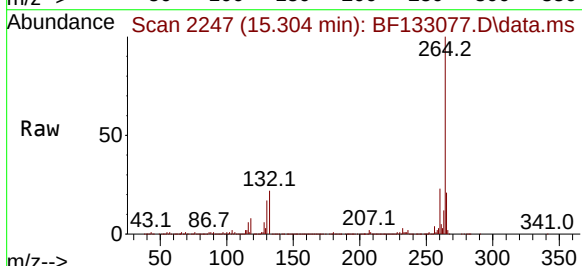
Tgt Ion:264 Resp: 373515

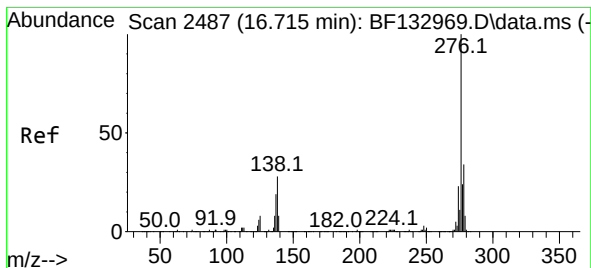
Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 21.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 62.989 ng

RT: 16.686 min Scan# 2487

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

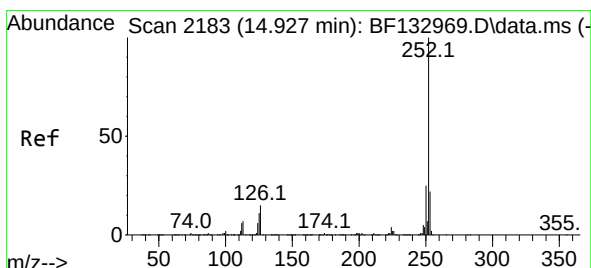
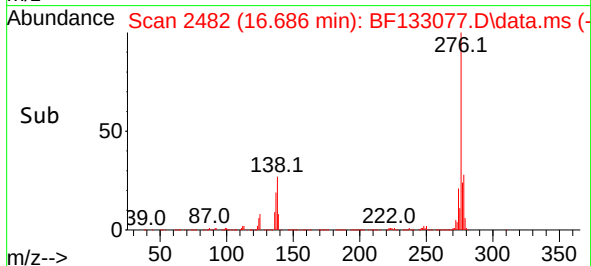
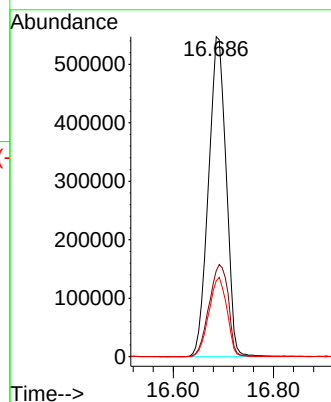
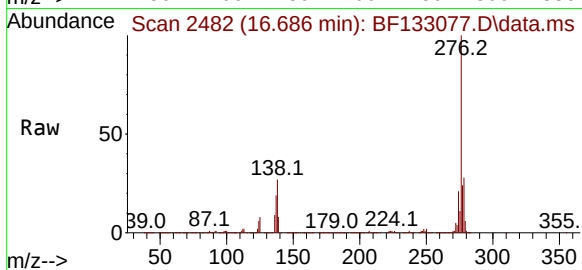
Tgt Ion:276 Resp: 1338284

Ion Ratio Lower Upper

276 100

138 31.4 25.5 38.3

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 46.554 ng

RT: 14.904 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

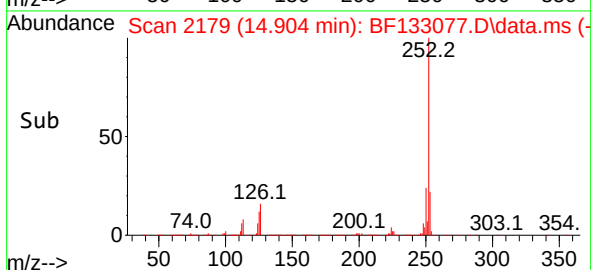
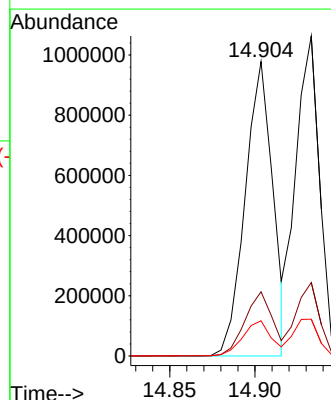
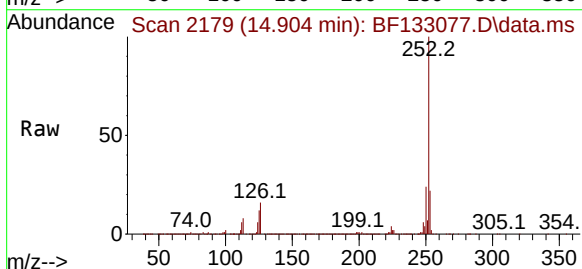
Tgt Ion:252 Resp: 1106237

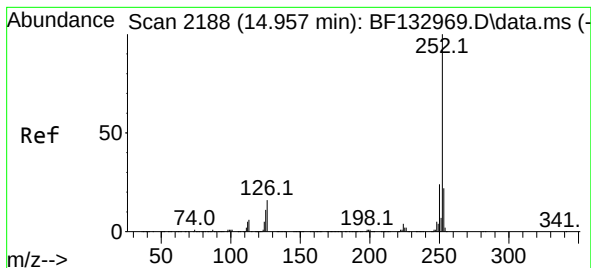
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 11.9 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 43.851 ng

RT: 14.933 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

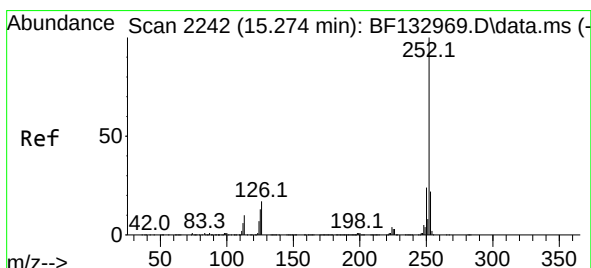
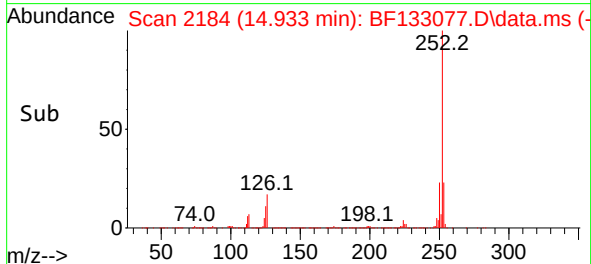
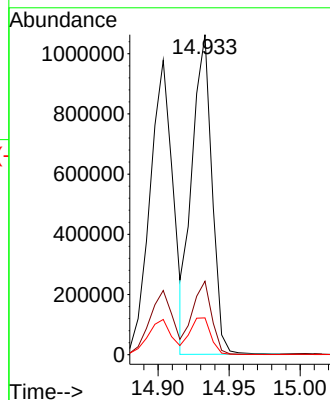
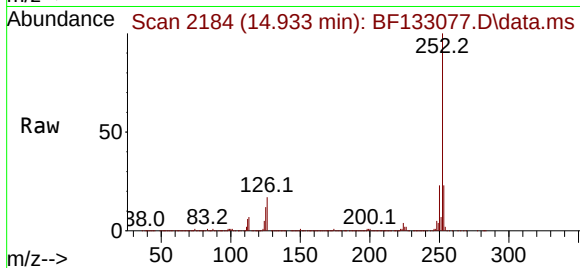
Tgt Ion:252 Resp: 1032945

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.5 9.0 13.4



#90

Benzo(a)pyrene

Concen: 44.730 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

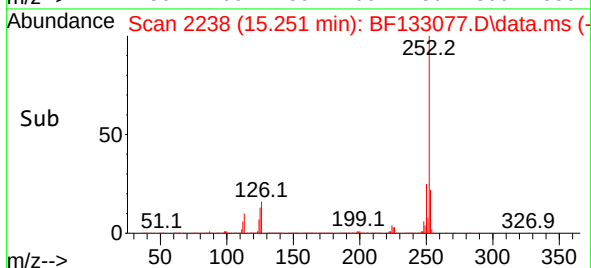
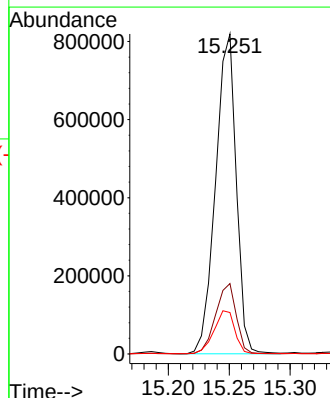
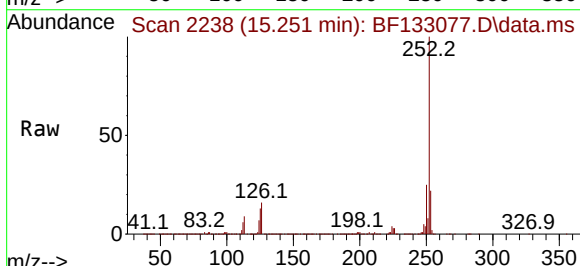
Tgt Ion:252 Resp: 967464

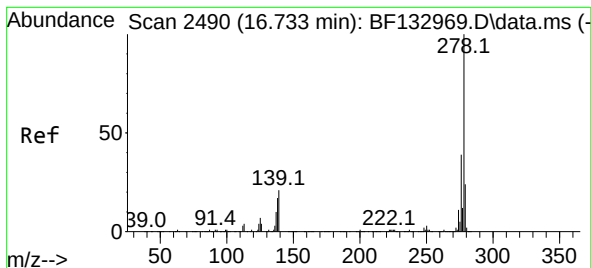
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 12.9 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 62.569 ng

RT: 16.709 min Scan# 2490

Delta R.T. 0.006 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

20230353-COMP-31MSD

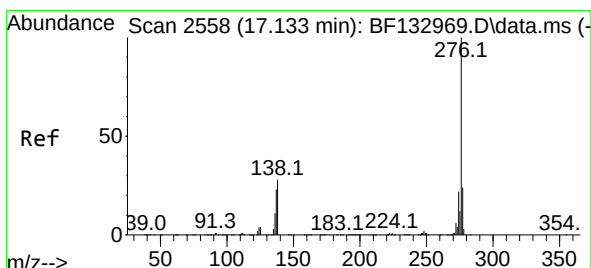
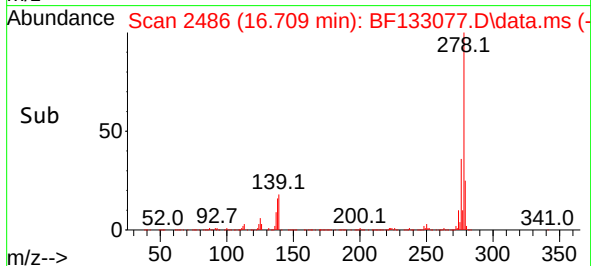
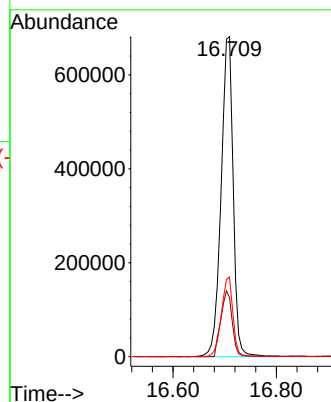
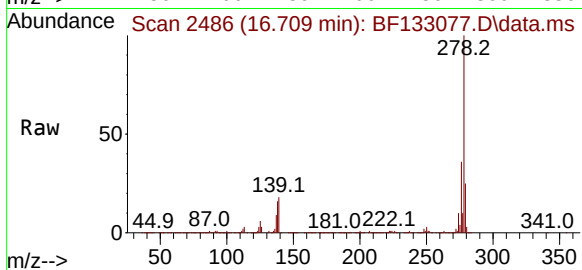
Tgt Ion:278 Resp: 1108754

Ion Ratio Lower Upper

278 100

139 18.5 16.6 24.8

279 24.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 62.146 ng

RT: 17.103 min Scan# 2553

Delta R.T. 0.006 min

Lab File: BF133077.D

Acq: 26 Apr 2023 21:34

Tgt Ion:276 Resp: 1087215

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 26.7 22.7 34.1

