

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133405.D
 Acq On : 16 May 2023 16:38
 Operator : CG\JU
 Sample : 02802-01MS 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MS

Quant Time: May 16 17:37:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	237202	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	905438	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	419147	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	684087	20.000	ng	0.00
76) Chrysene-d12	13.880	240	517517	20.000	ng	0.00
86) Perylene-d12	15.304	264	440938	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	285061	18.154	ng	0.00
7) Phenol-d6	6.363	99	345054	17.704	ng	0.00
23) Nitrobenzene-d5	7.281	82	198804	11.852	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	67190	15.939	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	388654	15.513	ng	-0.01
79) Terphenyl-d14	12.822	244	375515	12.514	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.346	88	50919	6.991	ng	97
3) Pyridine	3.058	79	117954	6.098	ng	99
4) n-Nitrosodimethylamine	2.993	42	62802	6.268	ng	95
6) Aniline	6.381	93	75159	2.994	ng	# 42
8) 2-Chlorophenol	6.504	128	136029	8.532	ng	96
9) Benzaldehyde	6.263	77	88046	4.073	ng	96
10) Phenol	6.375	94	170160	7.914	ng	96
11) bis(2-Chloroethyl)ether	6.451	93	131655	8.160	ng	96
12) 1,3-Dichlorobenzene	6.657	146	150594	8.884	ng	98
13) 1,4-Dichlorobenzene	6.740	146	154892	9.118	ng	97
14) 1,2-Dichlorobenzene	6.887	146	141601	9.041	ng	96
15) Benzyl Alcohol	6.863	79	106849	7.937	ng	99
16) 2,2'-oxybis(1-Chloropr...	6.998	45	209200	7.465	ng	91
17) 2-Methylphenol	6.987	107	111563	7.642	ng	98
18) Hexachloroethane	7.228	117	46557	7.883	ng	90
19) n-Nitroso-di-n-propyla...	7.128	70	95197	7.846	ng	99
20) 3+4-Methylphenols	7.140	107	144795	8.422	ng	# 67
22) Acetophenone	7.128	105	195565	9.324	ng	# 90
24) Nitrobenzene	7.298	77	133168	7.834	ng	97
25) Isophorone	7.540	82	243168	7.635	ng	99
26) 2-Nitrophenol	7.622	139	63648	7.763	ng	93
27) 2,4-Dimethylphenol	7.663	122	118558	8.433	ng	98
28) bis(2-Chloroethoxy)met...	7.751	93	152711	8.105	ng	97
29) 2,4-Dichlorophenol	7.869	162	106374	8.312	ng	98
30) 1,2,4-Trichlorobenzene	7.945	180	116603	8.794	ng	98
31) Naphthalene	8.022	128	405508	8.958	ng	98
32) Benzoic acid	7.769	122	39868	4.591	ng	94
33) 4-Chloroaniline	8.081	127	69934	3.824	ng	97
34) Hexachlorobutadiene	8.145	225	62823	8.549	ng	99
35) Caprolactam	8.416	113	33890	7.883	ng	95
36) 4-Chloro-3-methylphenol	8.569	107	102841	7.452	ng	92
37) 2-Methylnaphthalene	8.716	142	260329	8.411	ng	99
38) 1-Methylnaphthalene	8.816	142	241364	8.337	ng	98
40) 1,2,4,5-Tetrachloroben...	8.887	216	103634	9.196	ng	98
43) 2,4,6-Trichlorophenol	8.998	196	65518	8.406	ng	99
44) 2,4,5-Trichlorophenol	9.045	196	67299	7.466	ng	98

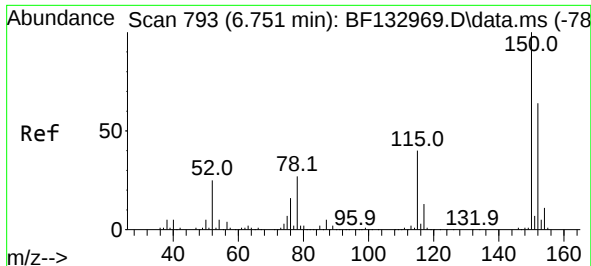
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
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 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.181	154	315928	9.505	ng	97
47) 2-Chloronaphthalene	9.204	162	222241	9.136	ng	96
48) 2-Nitroaniline	9.298	65	64489	8.021	ng	90
49) Acenaphthylene	9.616	152	371300	9.552	ng	97
50) Dimethylphthalate	9.475	163	260774	8.923	ng	99
51) 2,6-Dinitrotoluene	9.539	165	51478	7.826	ng	94
52) Acenaphthene	9.786	154	221463	8.507	ng	98
53) 3-Nitroaniline	9.710	138	51660	6.605	ng	98
55) Dibenzofuran	9.963	168	306857	8.641	ng	98
56) 4-Nitrophenol	9.892	139	67945	11.216	ng	99
57) 2,4-Dinitrotoluene	9.945	165	60253	7.182	ng	95
58) Fluorene	10.304	166	249748	9.599	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.086	232	47766	6.835	ng	# 99
60) Diethylphthalate	10.175	149	234822	8.506	ng	100
61) 4-Chlorophenyl-phenyle...	10.298	204	109864	8.665	ng	98
62) 4-Nitroaniline	10.316	138	53868	7.493	ng	99
63) Azobenzene	10.457	77	217658	7.443	ng	94
66) n-Nitrosodiphenylamine	10.410	169	194653	8.772	ng	99
67) 4-Bromophenyl-phenylether	10.786	248	62745	8.457	ng	96
68) Hexachlorobenzene	10.851	284	61910	8.143	ng	# 88
69) Atrazine	10.939	200	63518	9.934	ng	96
70) Pentachlorophenol	11.051	266	53035	9.795	ng	95
71) Phenanthrene	11.263	178	497345	13.527	ng	100
72) Anthracene	11.316	178	379972	10.098	ng	99
73) Carbazole	11.469	167	302162	9.018	ng	99
74) Di-n-butylphthalate	11.804	149	352359	9.293	ng	99
75) Fluoranthene	12.451	202	619882	16.799	ng	97
77) Benzidine	12.575	184	97223	11.109	ng	93
78) Pyrene	12.680	202	677276	15.267	ng	99
80) Butylbenzylphthalate	13.304	149	146248	9.311	ng	97
81) Benzo(a)anthracene	13.869	228	430891	12.108	ng	98
82) 3,3'-Dichlorobenzidine	13.833	252	68085	6.925	ng	98
83) Chrysene	13.904	228	424026	11.918	ng	99
84) Bis(2-ethylhexyl)phtha...	13.863	149	205251	10.410	ng	99
85) Di-n-octyl phthalate	14.474	149	344219	10.707	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.692	276	264780	10.557	ng	98
88) Benzo(b)fluoranthene	14.898	252	373583	13.318	ng	# 95
89) Benzo(k)fluoranthene	14.921	252	287474	10.338	ng	# 94
90) Benzo(a)pyrene	15.245	252	306717	12.013	ng	98
91) Dibenzo(a,h)anthracene	16.698	278	178557	8.536	ng	95
92) Benzo(g,h,i)perylene	17.104	276	223604	10.827	ng	99

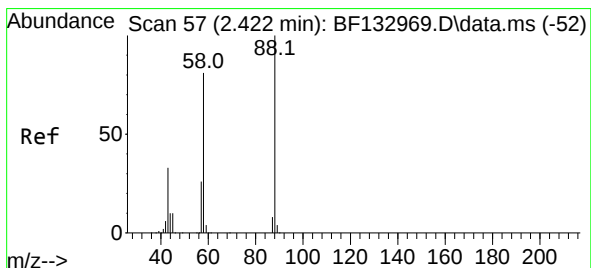
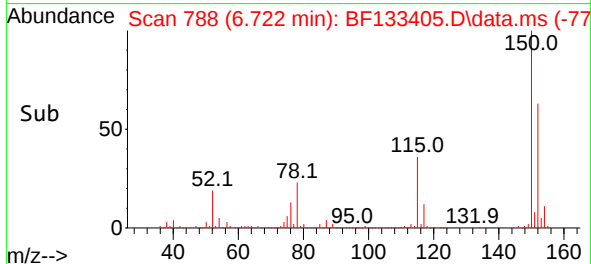
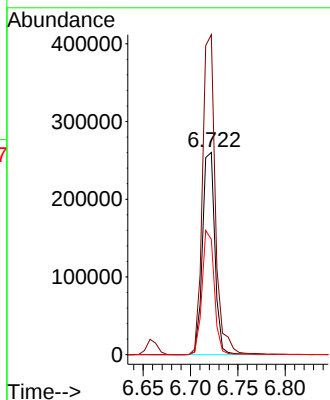
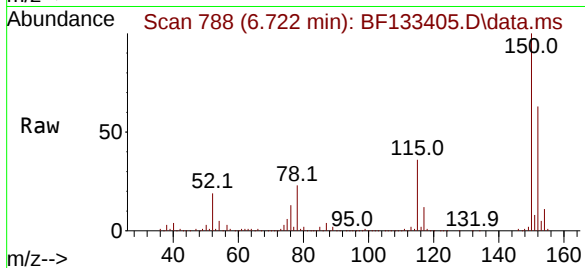
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

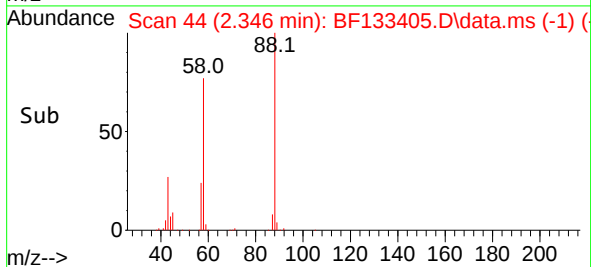
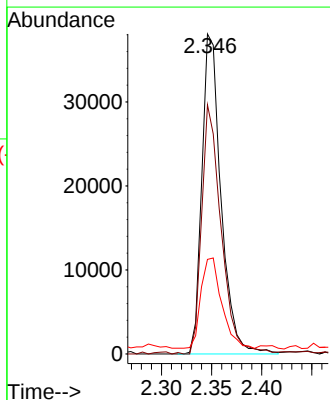
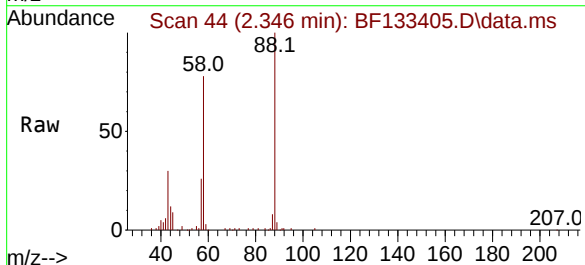
Instrument :
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 ORA-1639MS

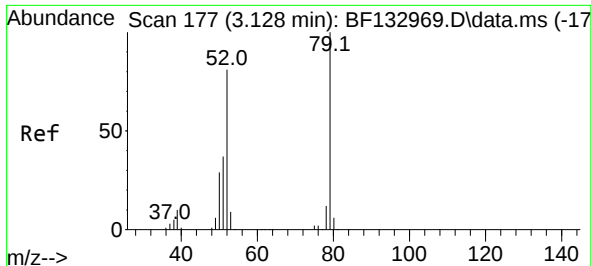
Tgt Ion:152 Resp: 237202
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.8 187.2
 115 57.1 49.9 74.9



#2
 1,4-Dioxane
 Concen: 6.991 ng
 RT: 2.346 min Scan# 44
 Delta R.T. -0.023 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

Tgt Ion: 88 Resp: 50919
 Ion Ratio Lower Upper
 88 100
 58 78.9 64.7 97.1
 43 30.6 26.2 39.2

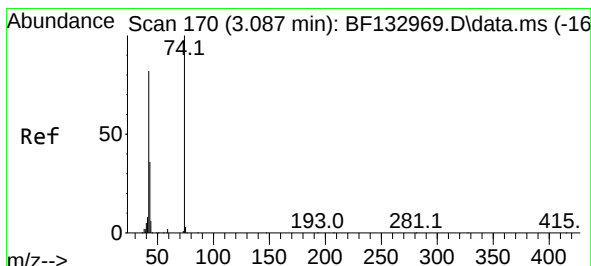
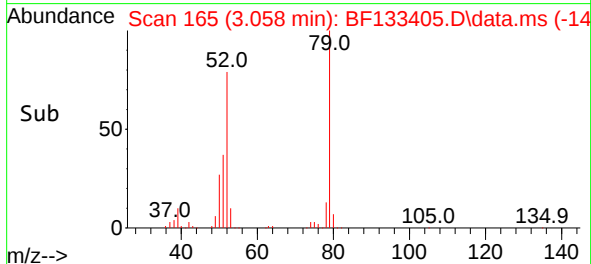
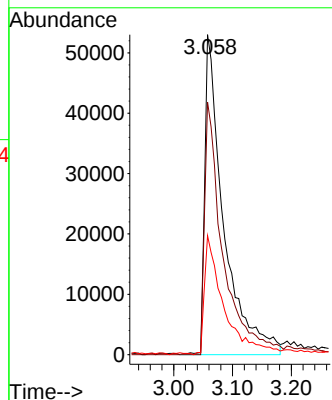
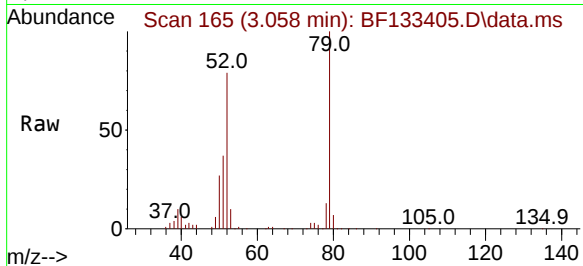




#3
Pyridine
Concen: 6.098 ng
RT: 3.058 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

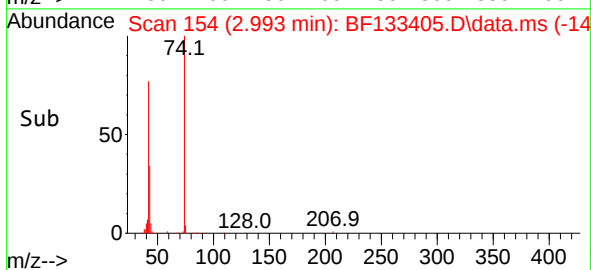
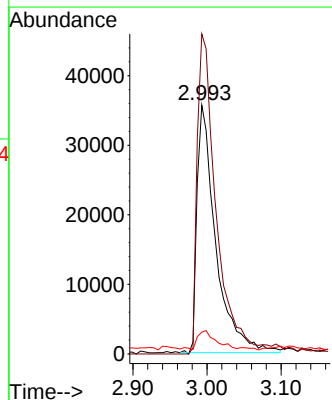
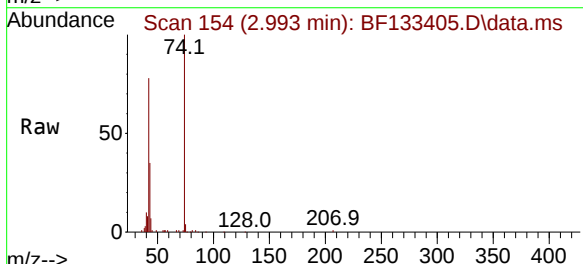
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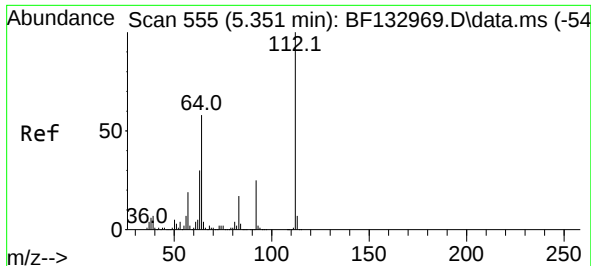
Tgt Ion: 79 Resp: 117954
Ion Ratio Lower Upper
79 100
52 79.0 64.6 96.8
51 37.2 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 6.268 ng
RT: 2.993 min Scan# 154
Delta R.T. -0.035 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 42 Resp: 62802
Ion Ratio Lower Upper
42 100
74 128.6 98.0 147.0
44 8.7 5.8 8.8

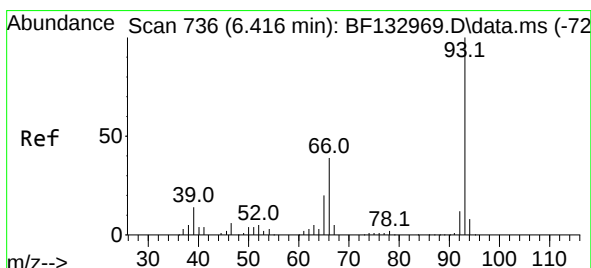
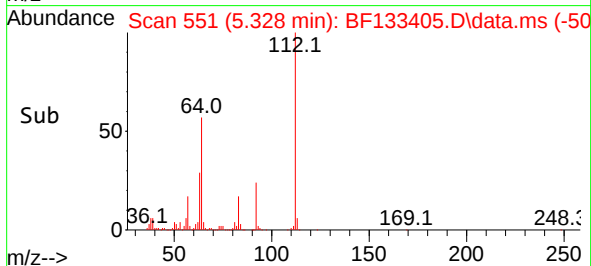
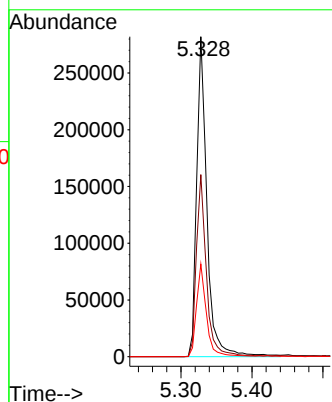
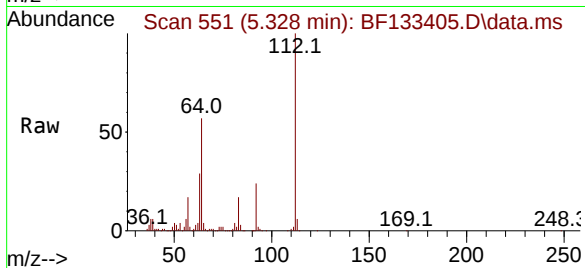




#5
2-Fluorophenol
Concen: 18.154 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

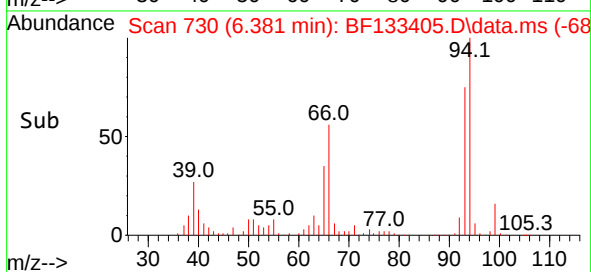
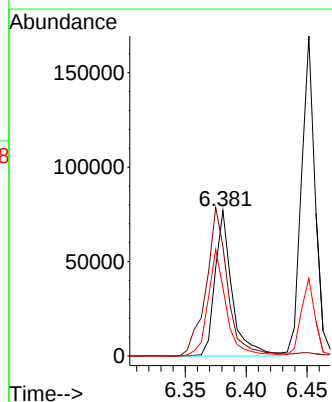
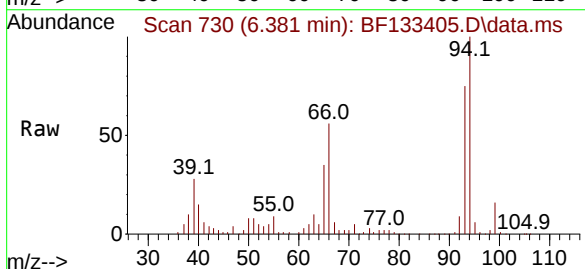
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

Tgt Ion:112 Resp: 285061
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 29.0 23.8 35.8



#6
Aniline
Concen: 2.994 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 93 Resp: 75159
Ion Ratio Lower Upper
93 100
66 75.3 31.5 47.3#
65 46.8 16.4 24.6#

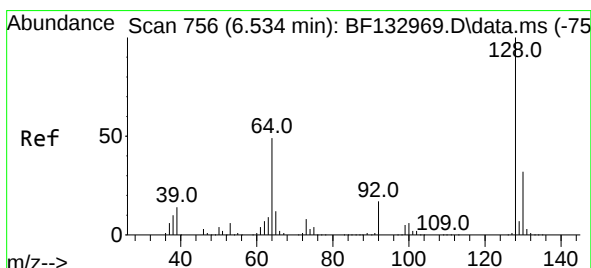
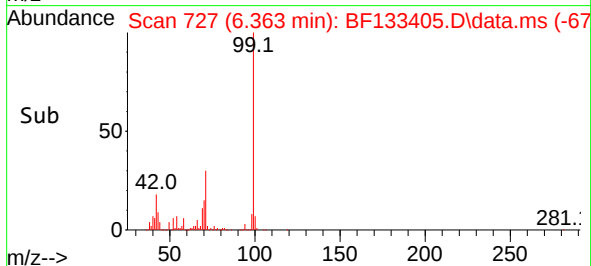
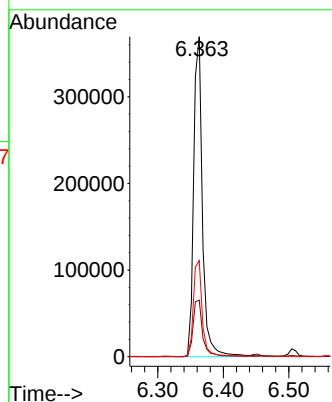
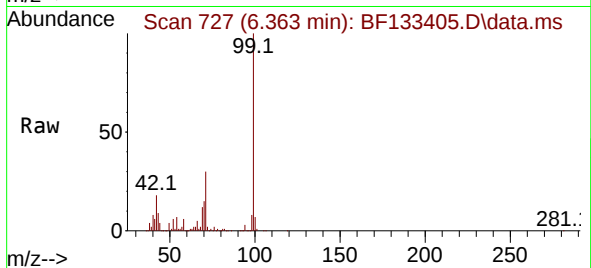




#7
Phenol-d6
Concen: 17.704 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

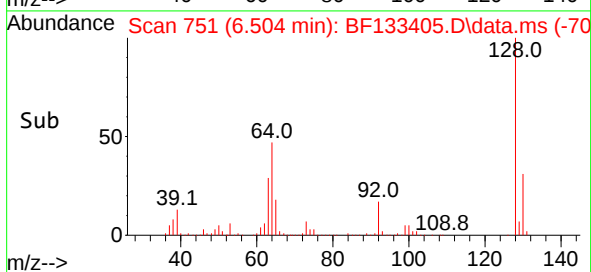
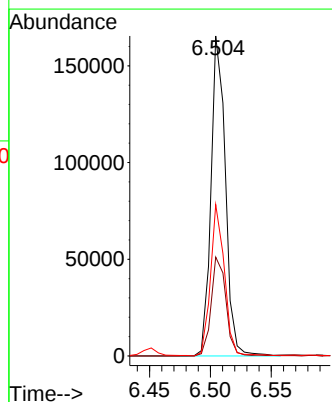
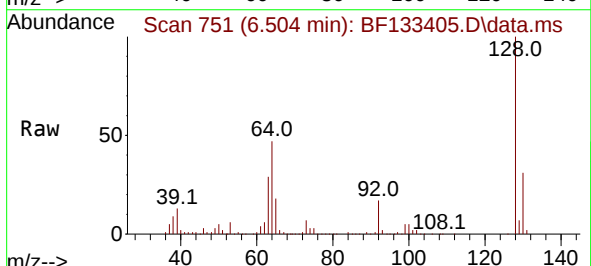
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

Tgt Ion: 99 Resp: 345054
Ion Ratio Lower Upper
99 100
42 17.7 16.3 24.5
71 30.0 25.6 38.4



#8
2-Chlorophenol
Concen: 8.532 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 128 Resp: 136029
Ion Ratio Lower Upper
128 100
130 30.9 12.2 52.2
64 47.3 30.3 70.3

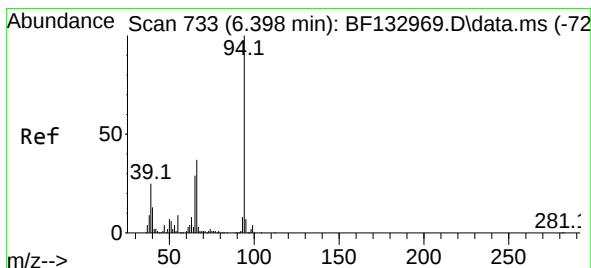
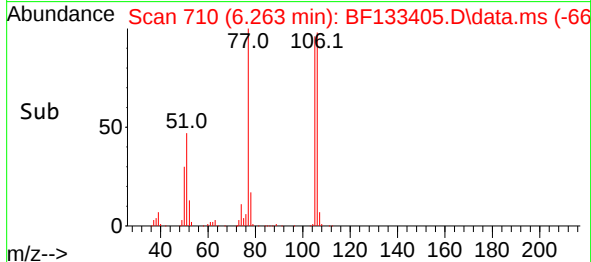
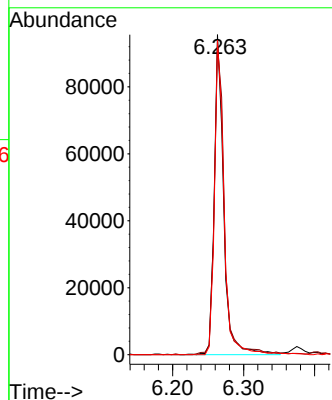
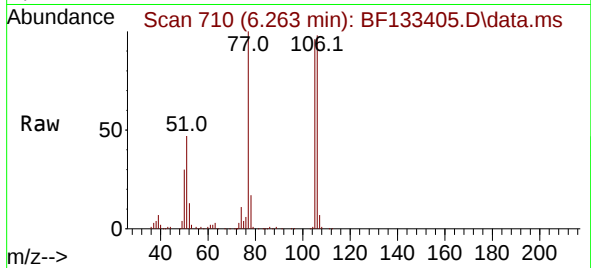




#9
Benzaldehyde
Concen: 4.073 ng
RT: 6.263 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

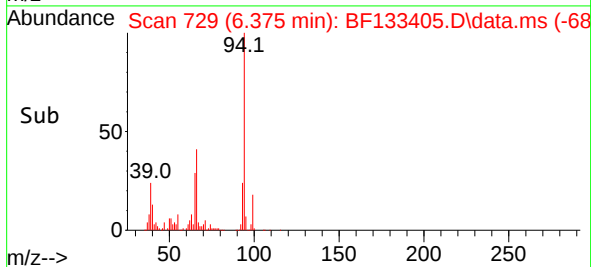
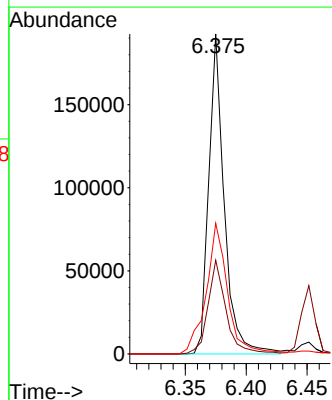
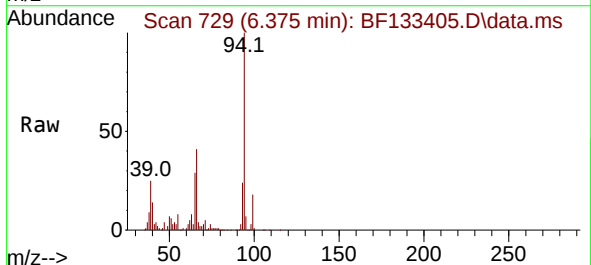
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BNA_F
ClientSampleId :
ORA-1639MS

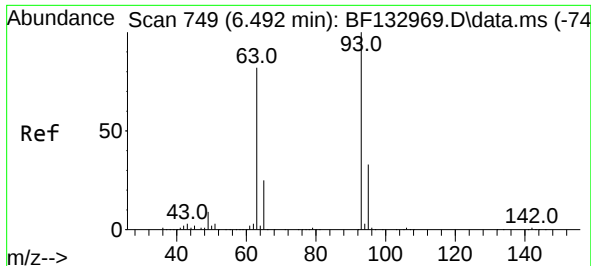
Tgt Ion: 77 Resp: 88046
Ion Ratio Lower Upper
77 100
105 96.3 82.3 122.3
106 98.3 80.8 120.8



#10
Phenol
Concen: 7.914 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 94 Resp: 170160
Ion Ratio Lower Upper
94 100
65 29.3 8.6 48.6
66 40.9 17.3 57.3

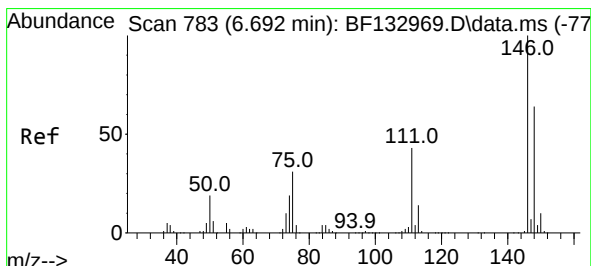
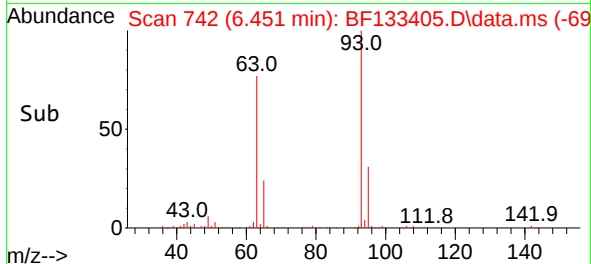
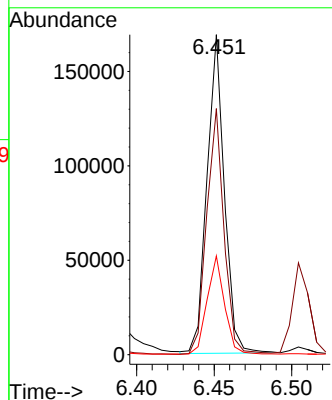
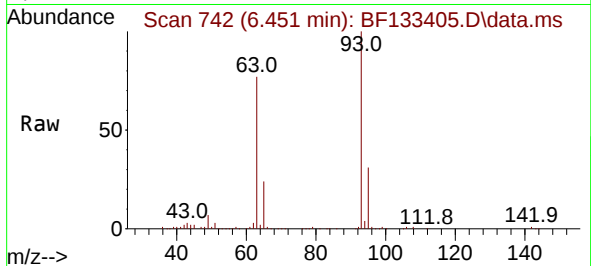




#11
bis(2-Chloroethyl)ether
Concen: 8.160 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

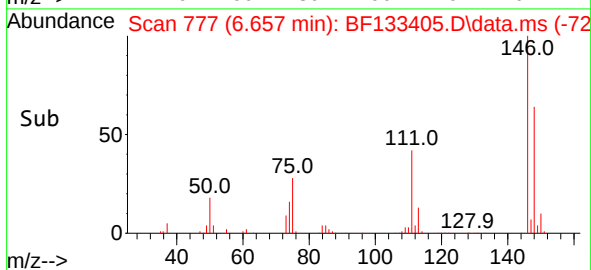
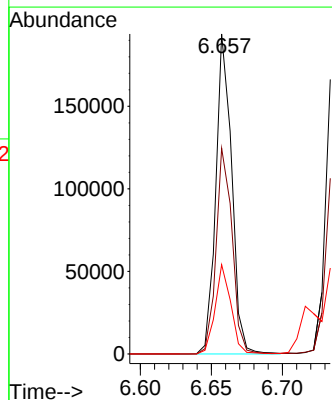
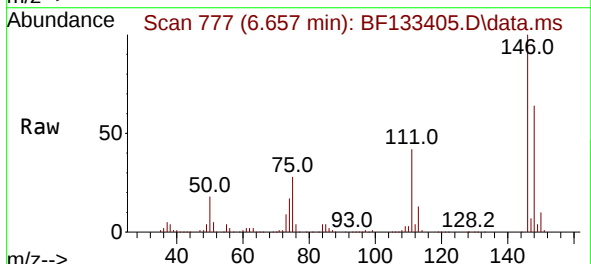
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

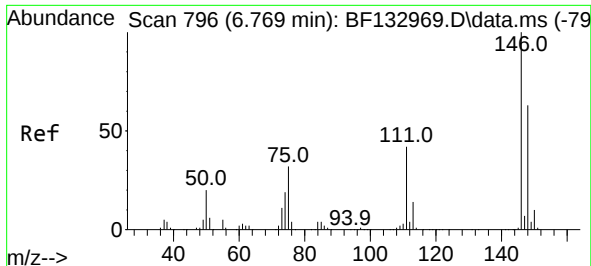
Tgt Ion: 93 Resp: 131655
Ion Ratio Lower Upper
93 100
63 76.9 60.6 100.6
95 30.8 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 8.884 ng
RT: 6.657 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:146 Resp: 150594
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
75 27.9 24.8 37.2

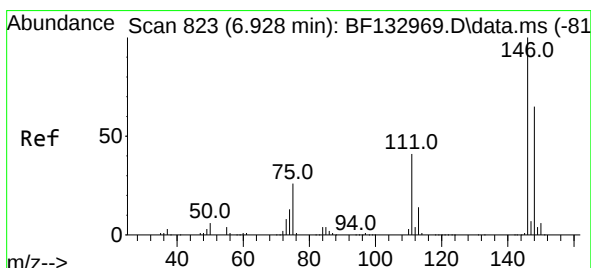
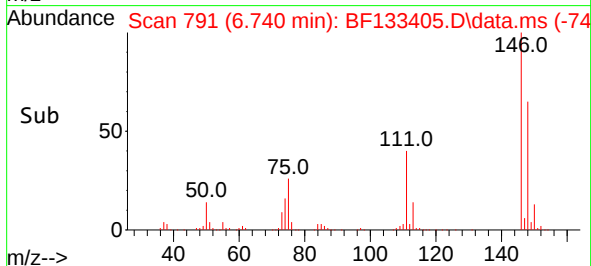
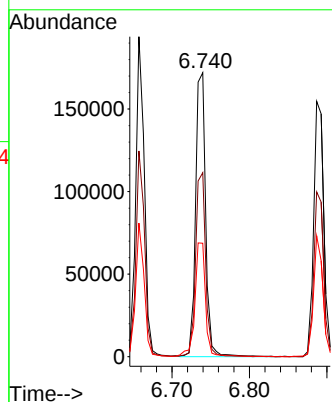
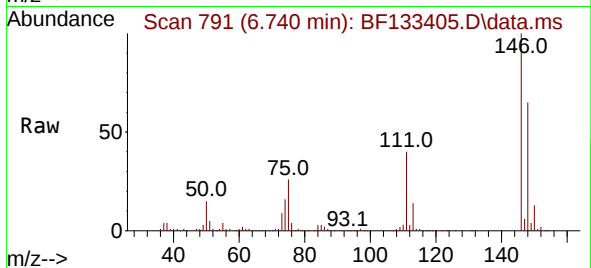




#13
1,4-Dichlorobenzene
Concen: 9.118 ng
RT: 6.740 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

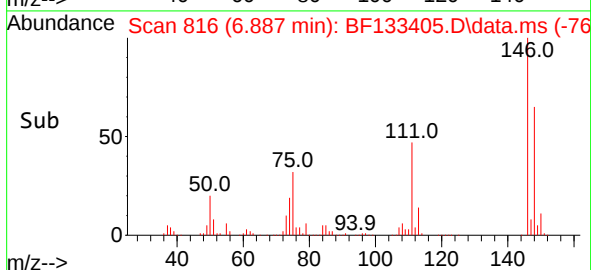
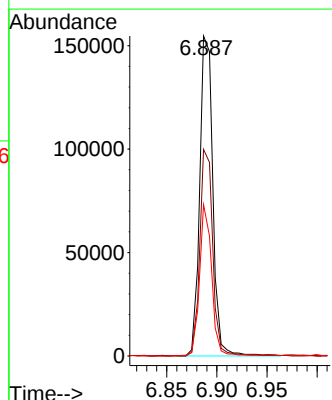
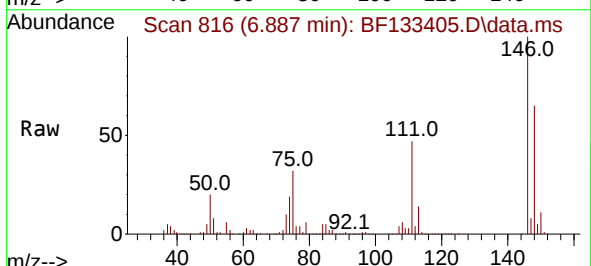
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

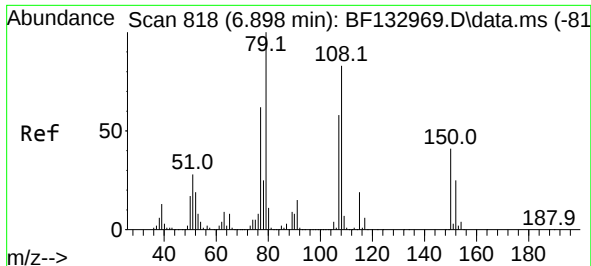
Tgt Ion:146 Resp: 154892
Ion Ratio Lower Upper
146 100
148 64.7 50.3 75.5
111 39.9 33.8 50.6



#14
1,2-Dichlorobenzene
Concen: 9.041 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:146 Resp: 141601
Ion Ratio Lower Upper
146 100
148 64.6 52.2 78.2
111 47.3 32.8 49.2

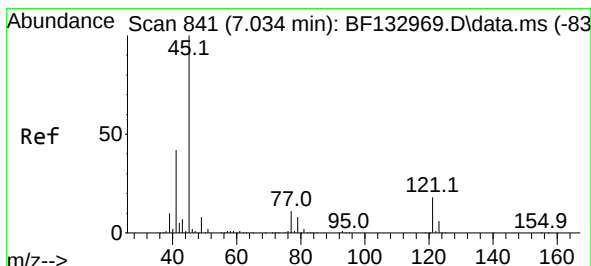
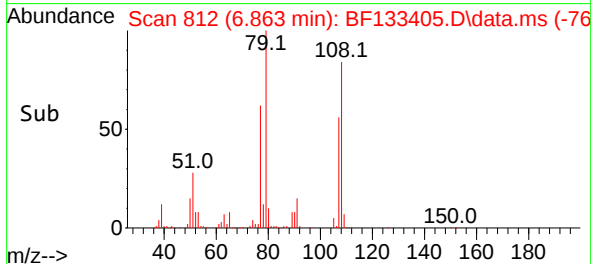
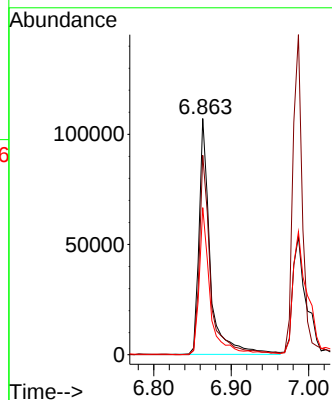
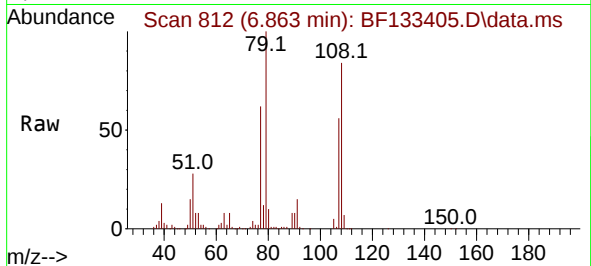




#15
Benzyl Alcohol
Concen: 7.937 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

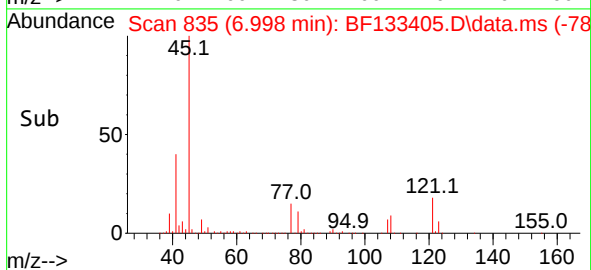
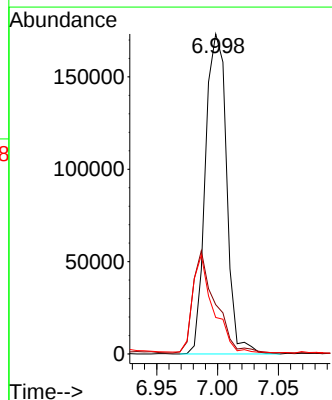
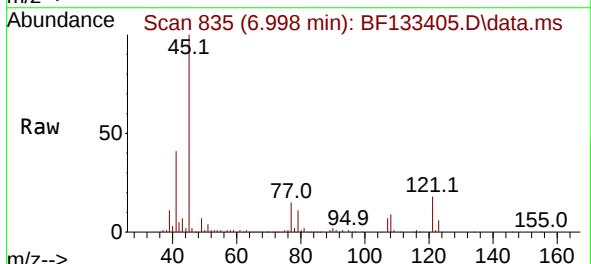
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

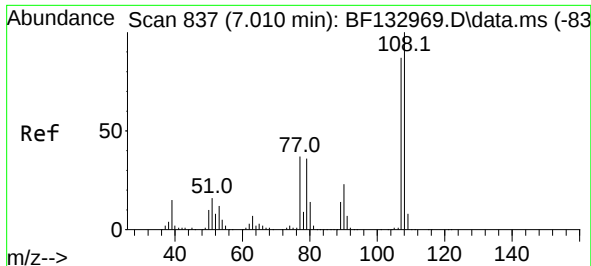
Tgt Ion: 79 Resp: 106849
Ion Ratio Lower Upper
79 100
108 84.4 66.6 99.8
77 62.2 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.465 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 45 Resp: 209200
Ion Ratio Lower Upper
45 100
77 15.4 0.0 31.5
79 11.4 0.0 28.7

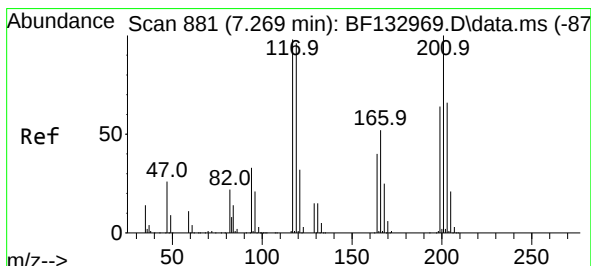
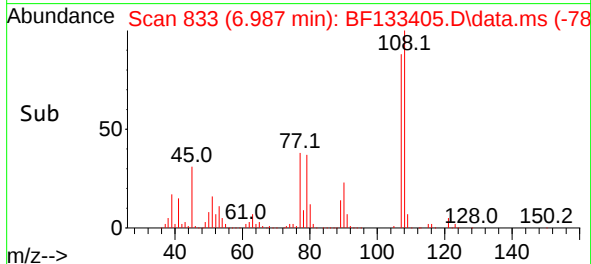
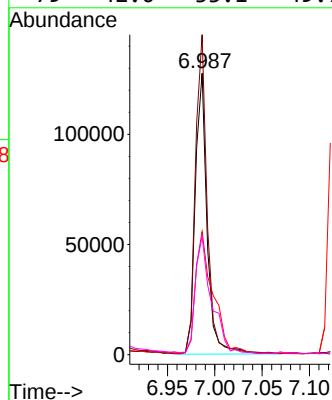
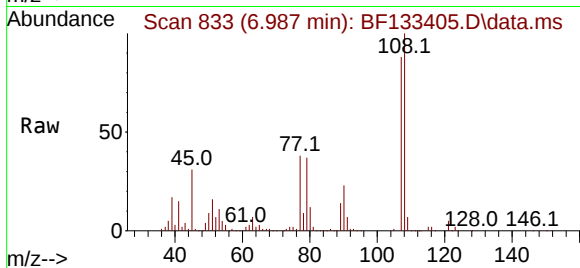




#17
2-Methylphenol
Concen: 7.642 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

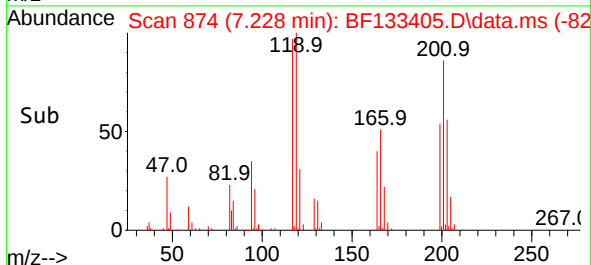
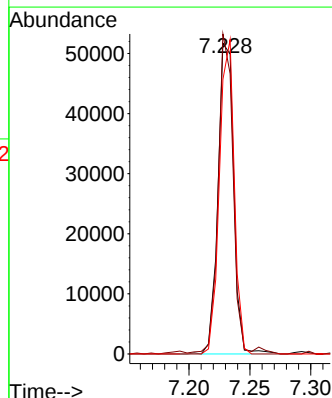
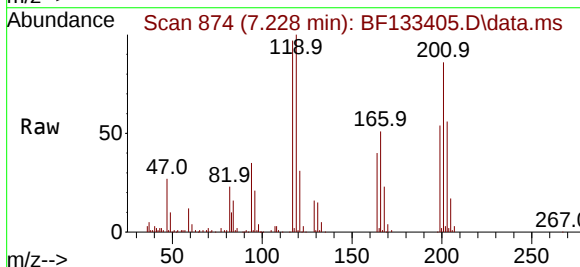
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

Tgt Ion:107 Resp: 111563
Ion Ratio Lower Upper
107 100
108 113.7 92.4 138.6
77 43.7 33.8 50.8
79 42.0 33.1 49.7



#18
Hexachloroethane
Concen: 7.883 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:117 Resp: 46557
Ion Ratio Lower Upper
117 100
119 103.0 78.2 117.4
201 88.4 81.7 122.5





#19

n-Nitroso-di-n-propylamine

Concen: 7.846 ng

RT: 7.128 min Scan# 857

Delta R.T. -0.018 min

Lab File: BF133405.D

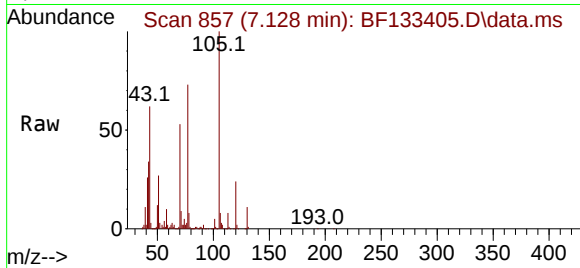
Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS



Tgt Ion: 70 Resp: 95197

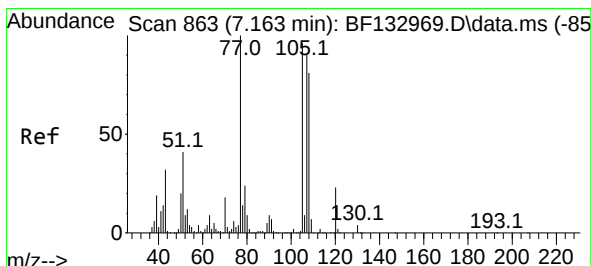
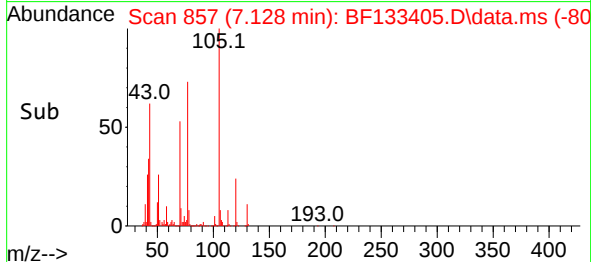
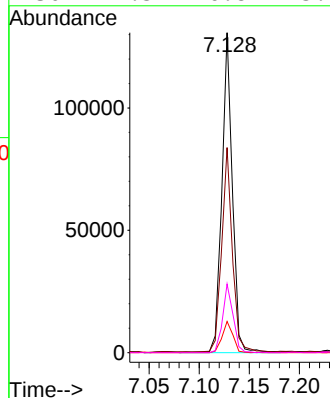
Ion Ratio Lower Upper

70 100

42 64.1 51.8 77.6

101 9.8 8.0 12.0

130 21.5 16.8 25.2



#20

3+4-Methylphenols

Concen: 8.422 ng

RT: 7.140 min Scan# 859

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Tgt Ion: 107 Resp: 144795

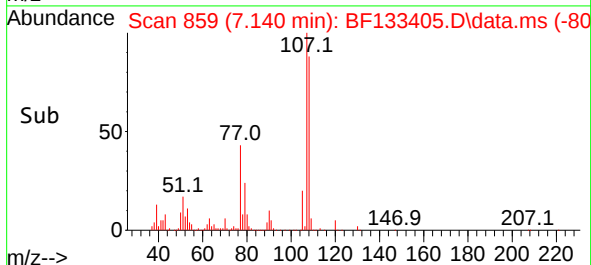
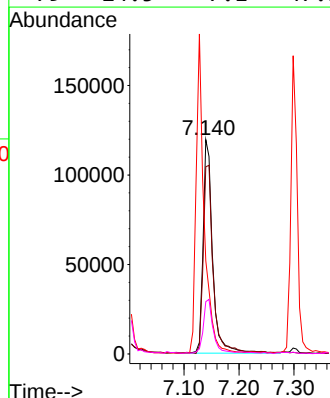
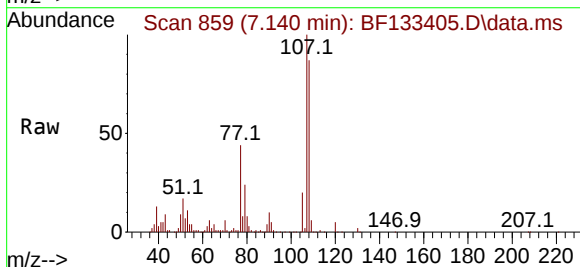
Ion Ratio Lower Upper

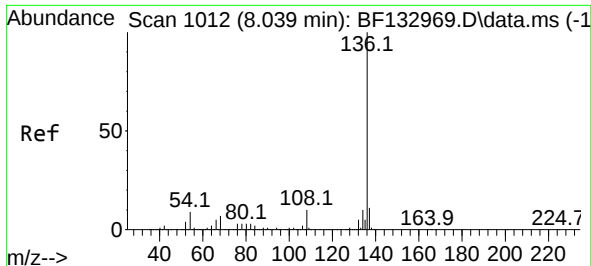
107 100

108 87.4 70.5 110.5

77 43.5 91.7 131.7

79 24.5 7.1 47.1



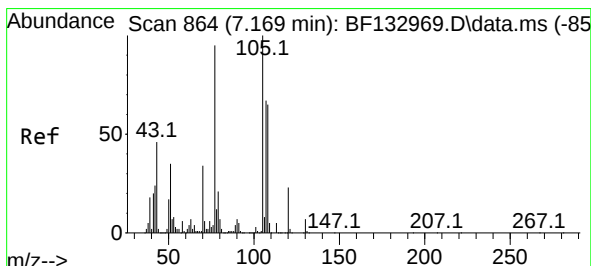
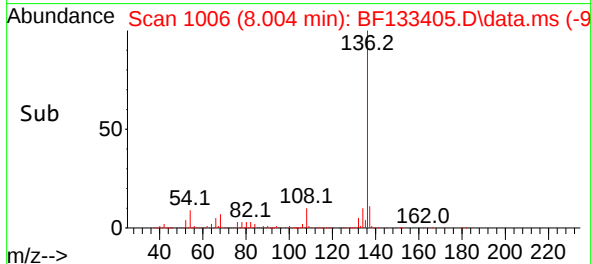
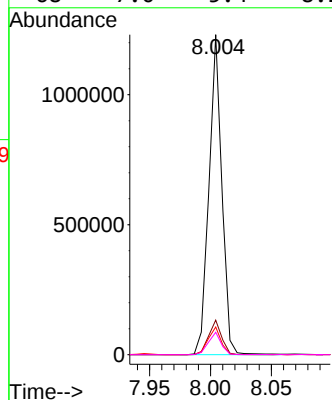
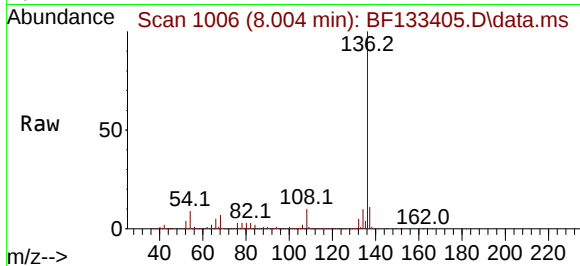


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

Tgt Ion:136 Resp: 905438

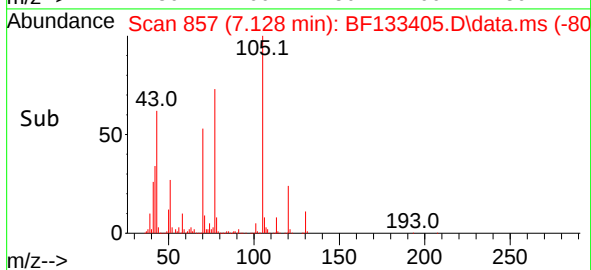
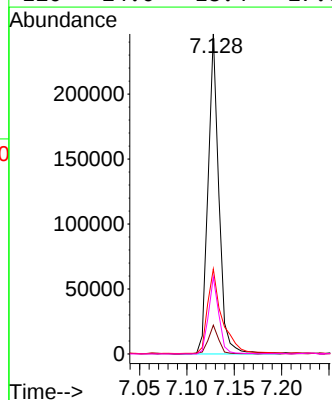
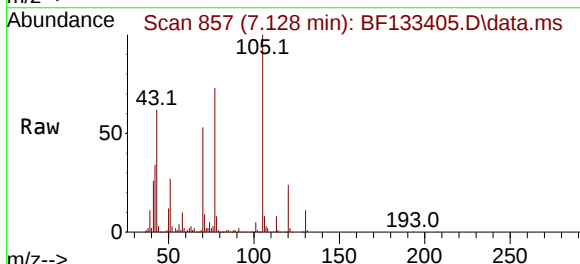
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.6	7.0	10.4
68	7.0	5.4	8.2

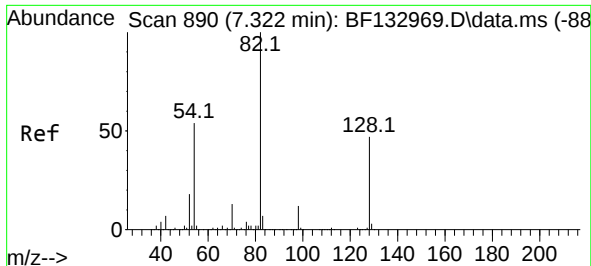


#22
Acetophenone
Concen: 9.324 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:105 Resp: 195565

Ion	Ratio	Lower	Upper
105	100		
71	9.0	4.6	7.0#
51	26.6	28.2	42.2#
120	24.0	18.4	27.6





#23

Nitrobenzene-d5

Concen: 11.852 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

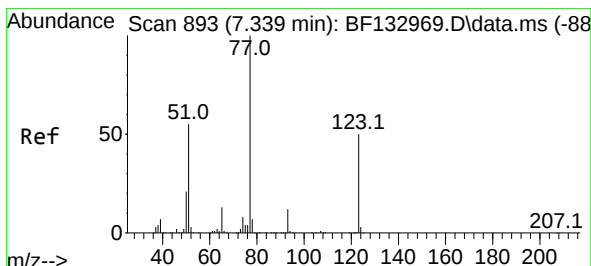
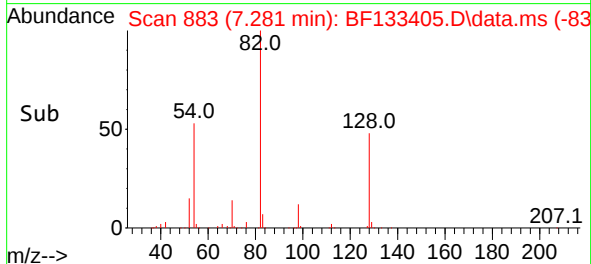
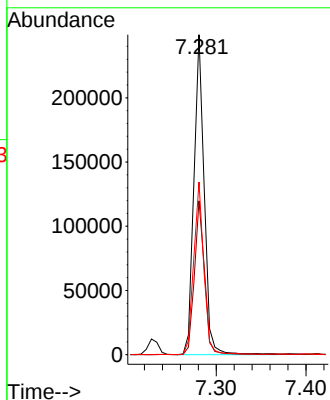
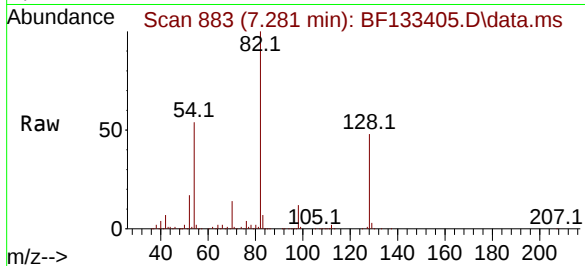
Tgt Ion: 82 Resp: 198804

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 53.9 43.0 64.4



#24

Nitrobenzene

Concen: 7.834 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

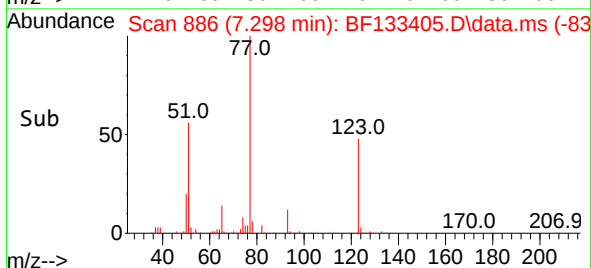
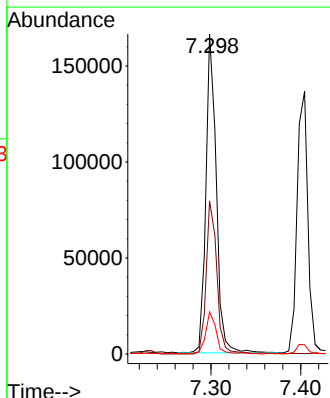
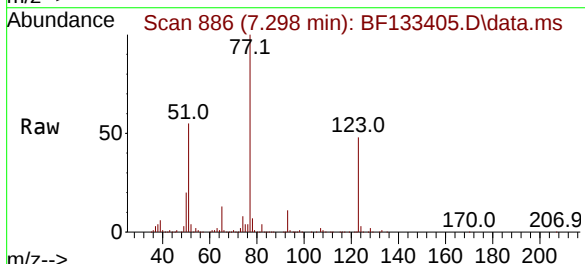
Tgt Ion: 77 Resp: 133168

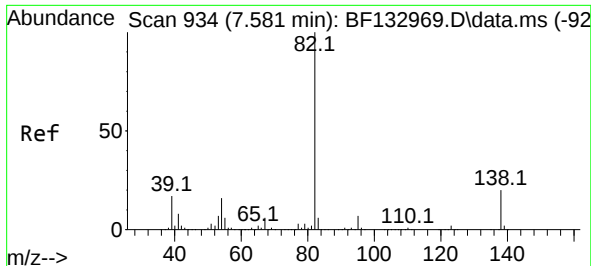
Ion Ratio Lower Upper

77 100

123 47.9 39.9 59.9

65 13.1 10.7 16.1

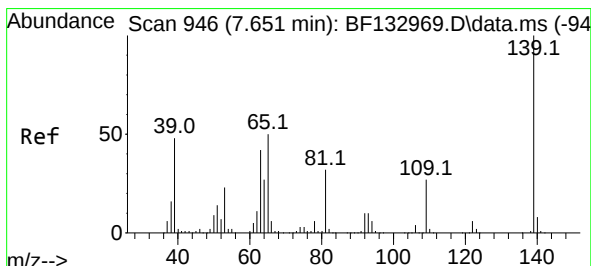
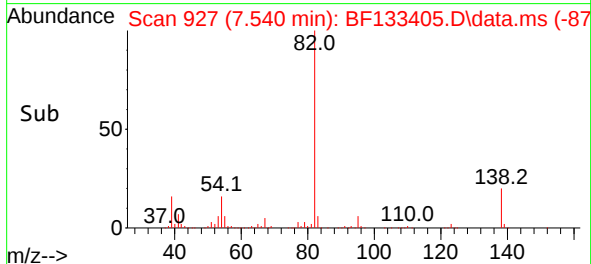
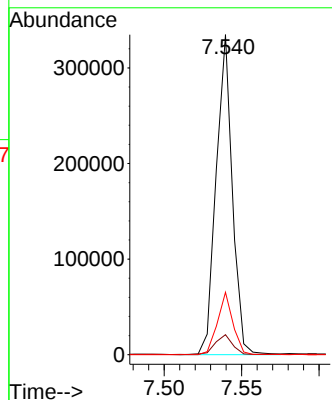
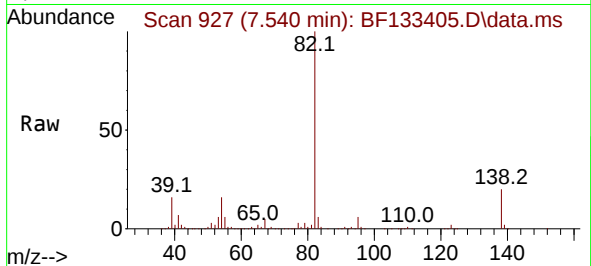




#25
Isophorone
Concen: 7.635 ng
RT: 7.540 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

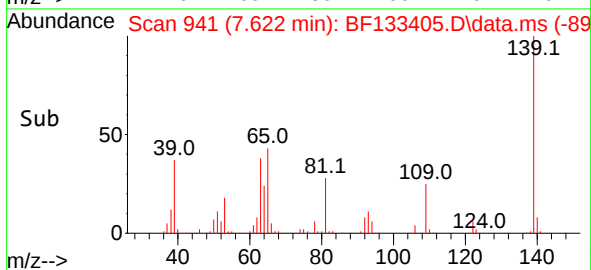
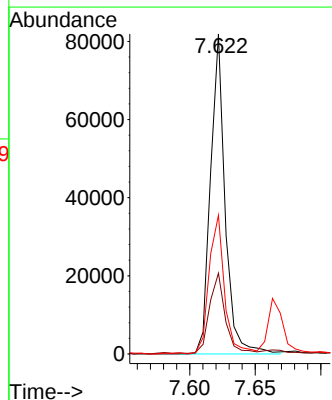
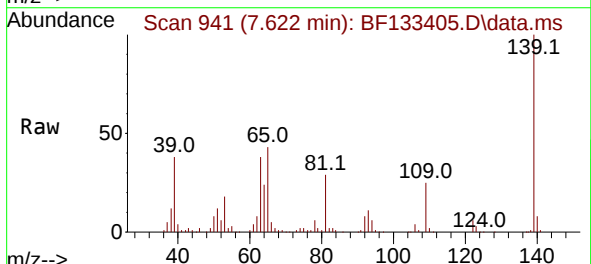
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

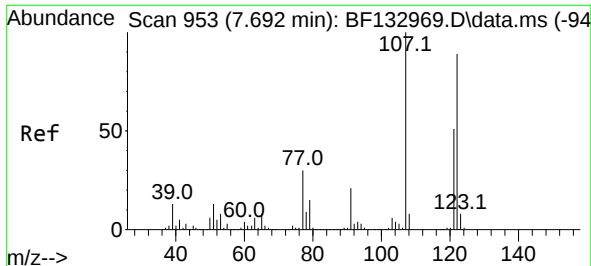
Tgt Ion: 82 Resp: 243168
Ion Ratio Lower Upper
82 100
95 6.3 5.4 8.0
138 19.5 16.0 24.0



#26
2-Nitrophenol
Concen: 7.763 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 139 Resp: 63648
Ion Ratio Lower Upper
139 100
109 25.3 21.6 32.4
65 43.3 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 8.433 ng

RT: 7.663 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

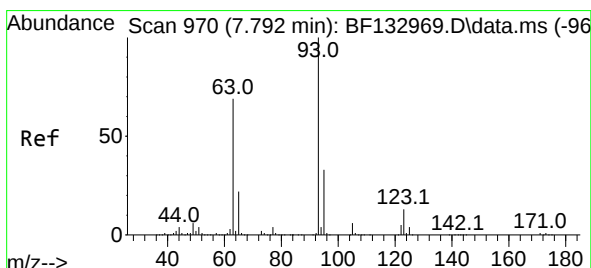
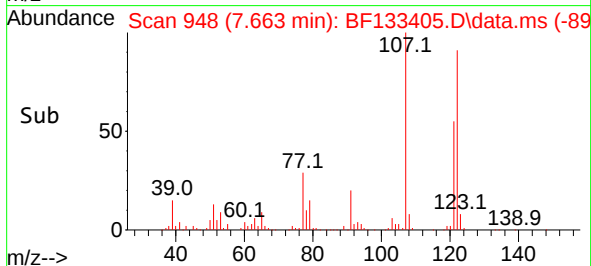
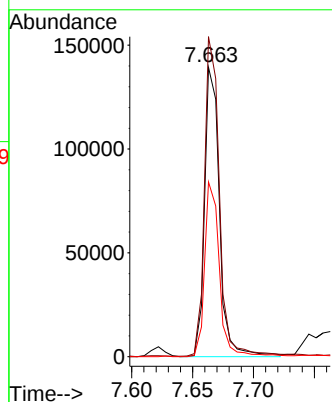
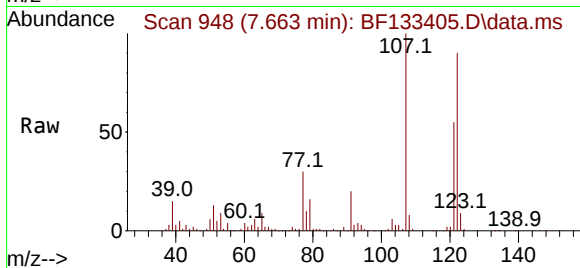
Tgt Ion:122 Resp: 118558

Ion Ratio Lower Upper

122 100

107 110.6 89.7 134.5

121 60.4 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 8.105 ng

RT: 7.751 min Scan# 963

Delta R.T. -0.012 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

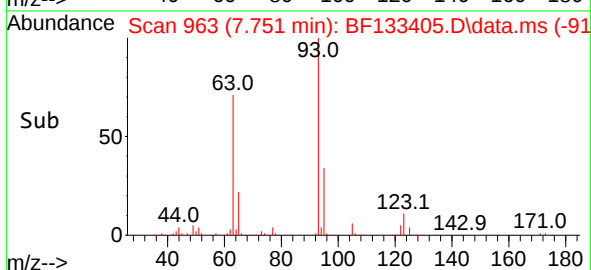
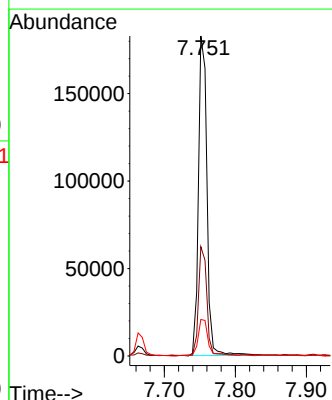
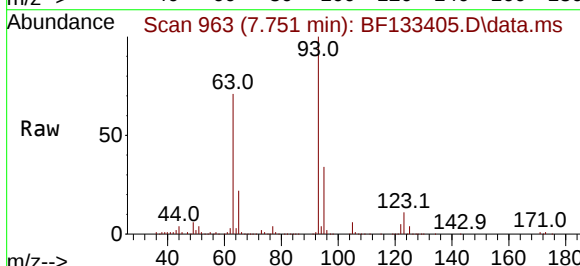
Tgt Ion: 93 Resp: 152711

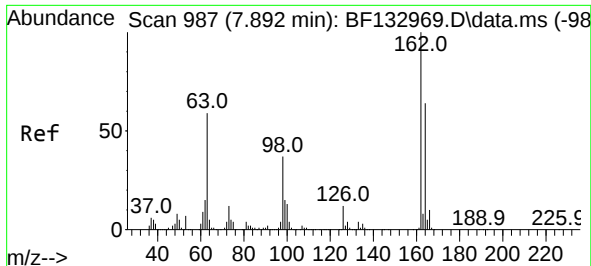
Ion Ratio Lower Upper

93 100

95 34.1 26.4 39.6

123 11.4 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 8.312 ng

RT: 7.869 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

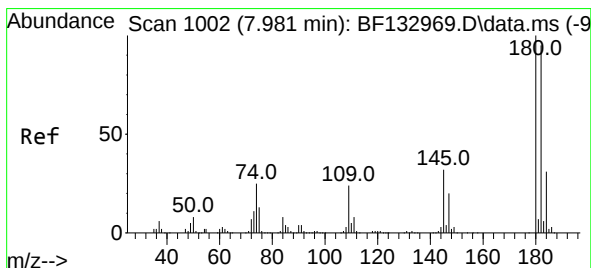
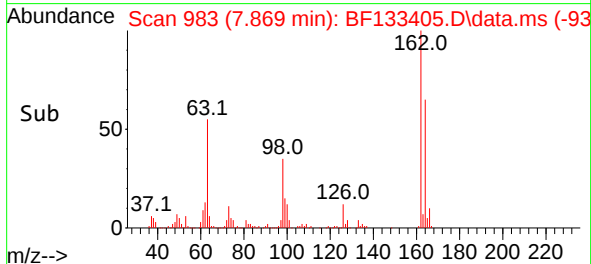
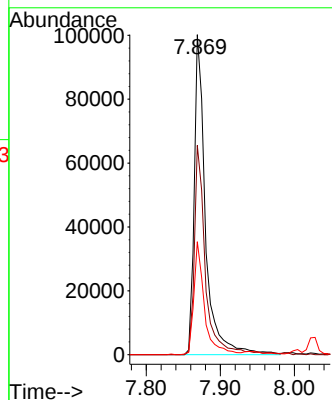
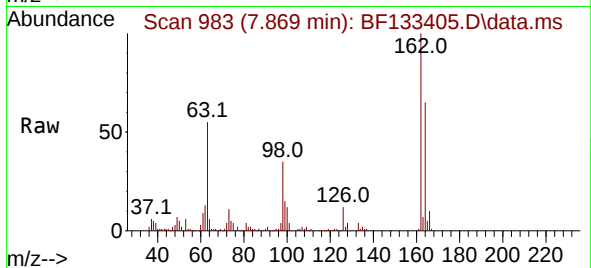
Tgt Ion:162 Resp: 106374

Ion Ratio Lower Upper

162 100

164 65.4 43.9 83.9

98 35.3 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 8.794 ng

RT: 7.945 min Scan# 996

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

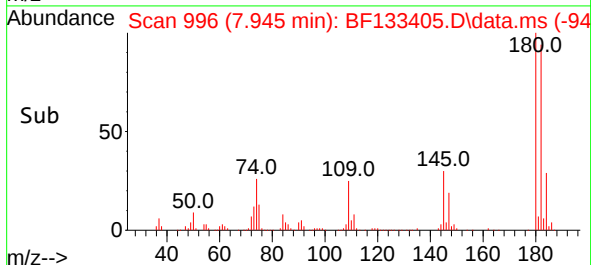
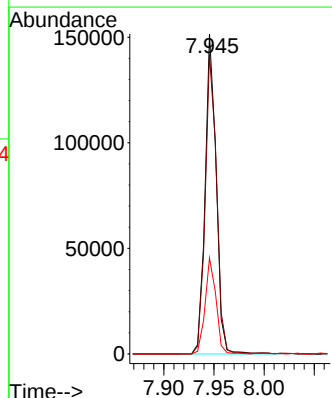
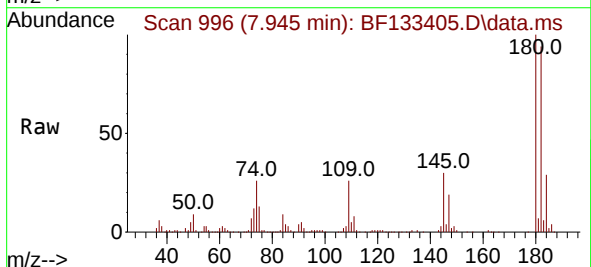
Tgt Ion:180 Resp: 116603

Ion Ratio Lower Upper

180 100

182 93.6 75.9 113.9

145 30.0 25.3 37.9

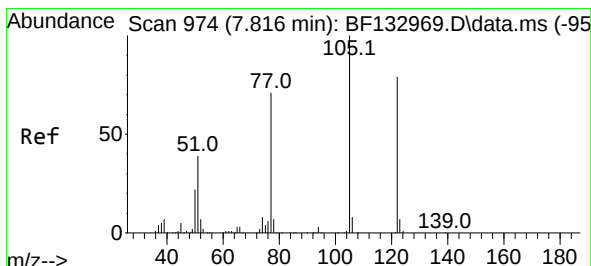
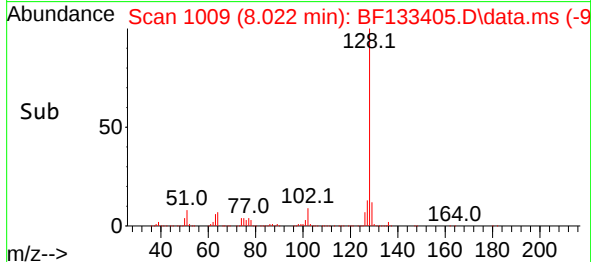
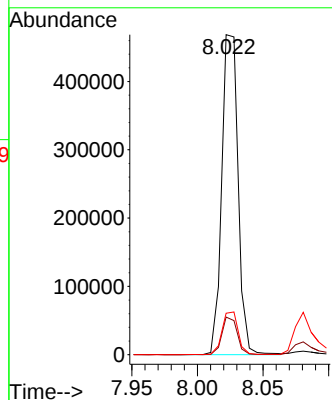
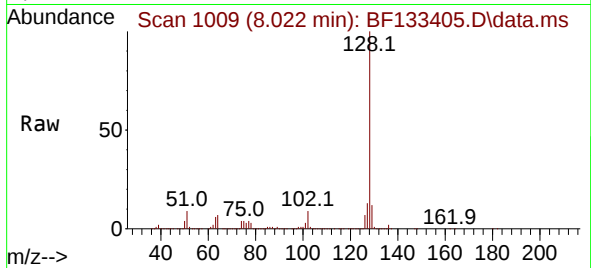




#31
Naphthalene
Concen: 8.958 ng
RT: 8.022 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

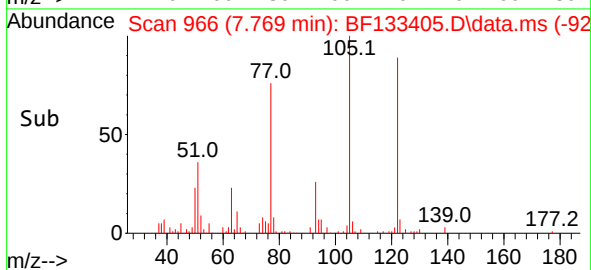
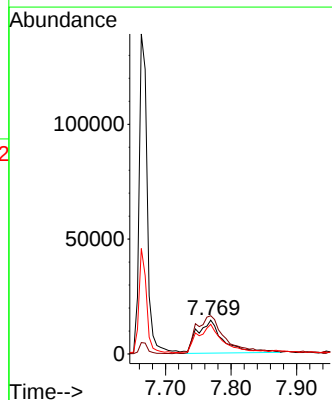
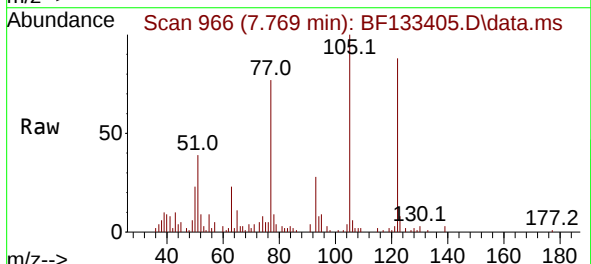
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

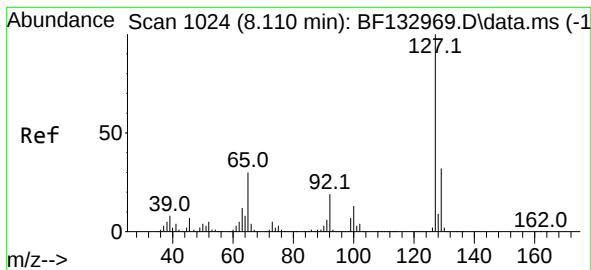
Tgt Ion:128 Resp: 405508
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 12.9 10.7 16.1



#32
Benzoic acid
Concen: 4.591 ng
RT: 7.769 min Scan# 966
Delta R.T. -0.035 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:122 Resp: 39868
Ion Ratio Lower Upper
122 100
105 113.5 104.2 144.2
77 87.7 69.7 109.7





#33

4-Chloroaniline

Concen: 3.824 ng

RT: 8.081 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

Tgt Ion:127 Resp: 69934

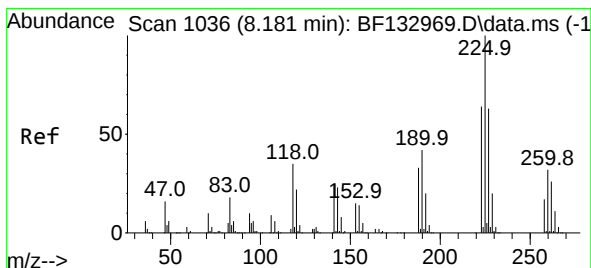
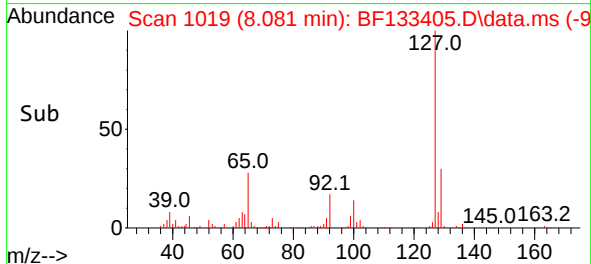
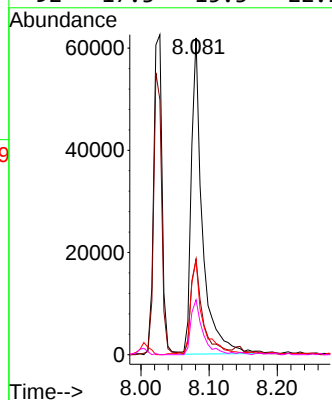
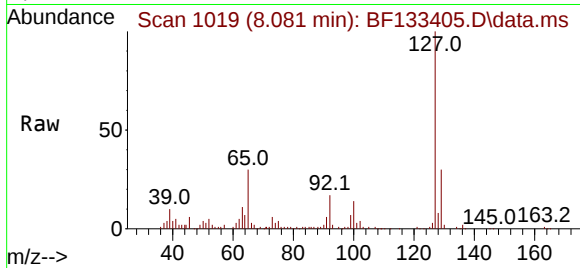
Ion Ratio Lower Upper

127 100

129 30.2 25.8 38.8

65 29.8 23.6 35.4

92 17.3 15.3 22.9



#34

Hexachlorobutadiene

Concen: 8.549 ng

RT: 8.145 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

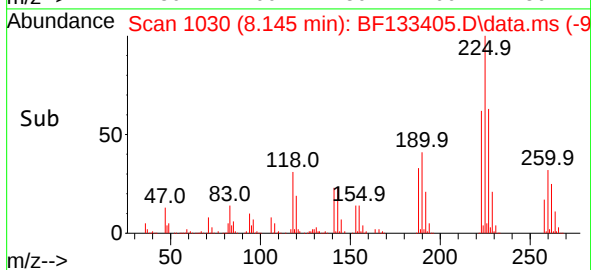
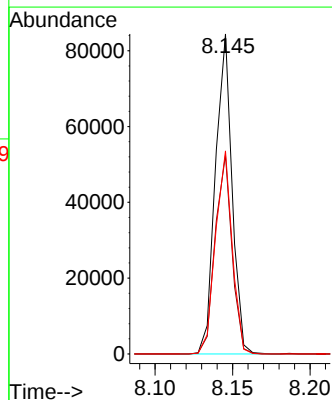
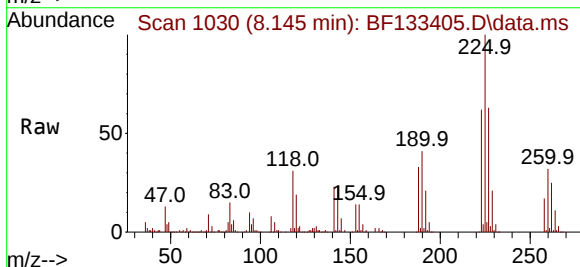
Tgt Ion:225 Resp: 62823

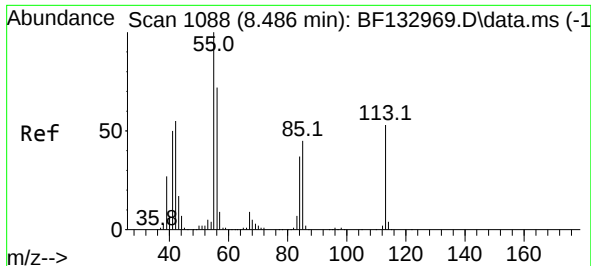
Ion Ratio Lower Upper

225 100

223 62.2 50.9 76.3

227 63.5 50.3 75.5

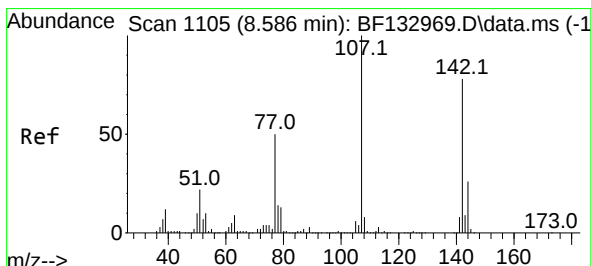
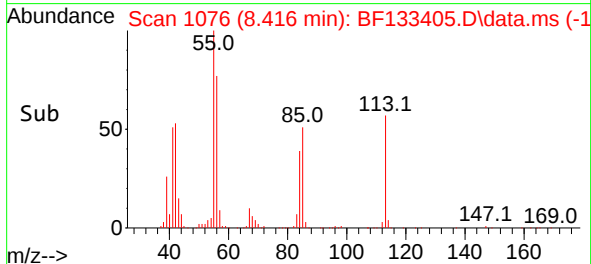
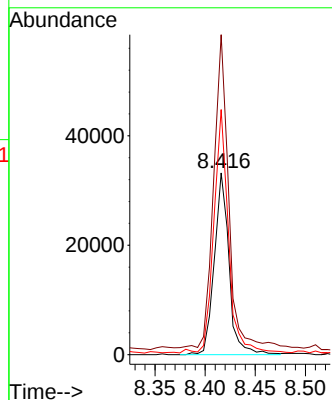
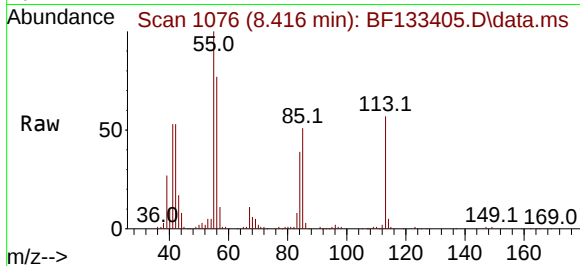




#35
 Caprolactam
 Concen: 7.883 ng
 RT: 8.416 min Scan# 1102
 Delta R.T. -0.047 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

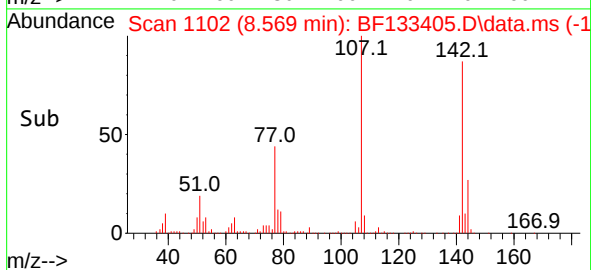
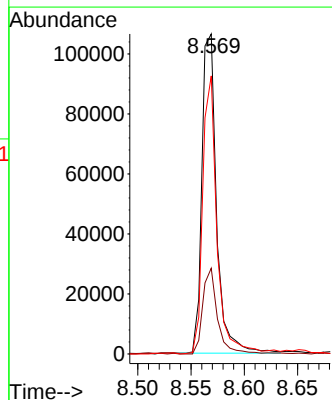
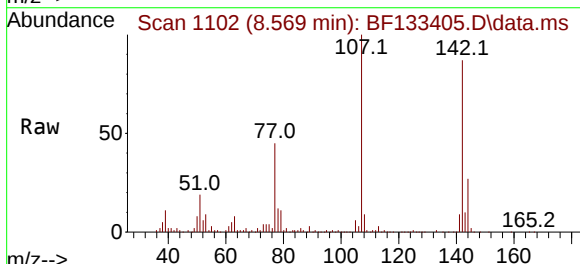
Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MS

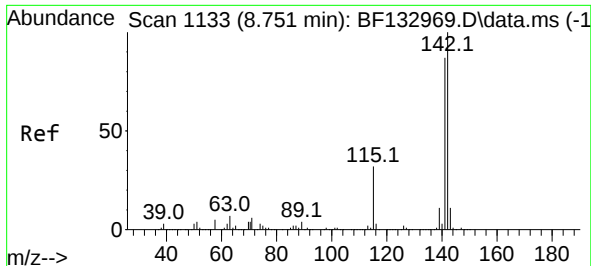
Tgt Ion:113 Resp: 33890
 Ion Ratio Lower Upper
 113 100
 55 176.0 167.1 207.1
 56 134.9 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 7.452 ng
 RT: 8.569 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

Tgt Ion:107 Resp: 102841
 Ion Ratio Lower Upper
 107 100
 144 26.8 20.6 30.8
 142 86.9 62.8 94.2





#37

2-Methylnaphthalene

Concen: 8.411 ng

RT: 8.716 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

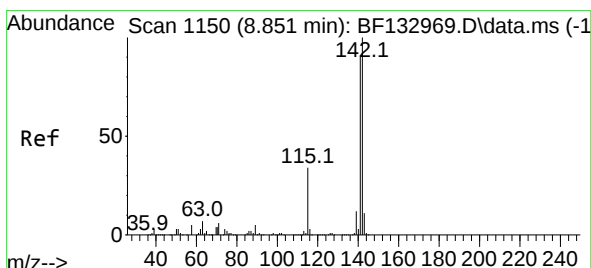
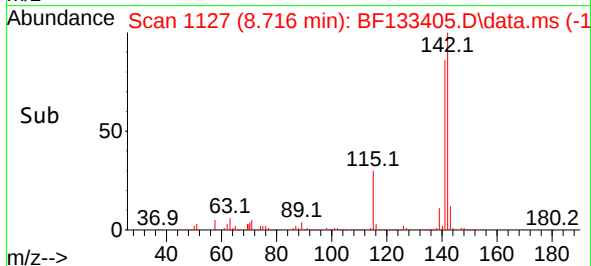
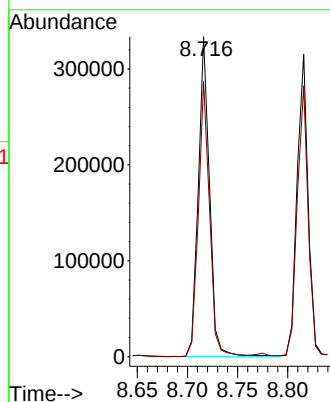
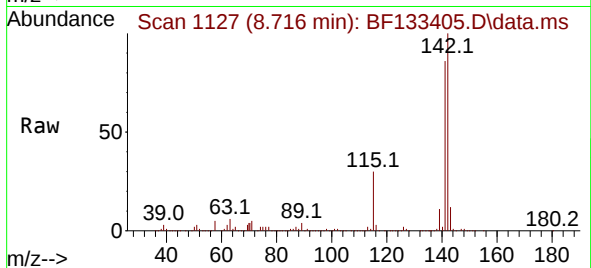
ORA-1639MS

Tgt Ion:142 Resp: 260329

Ion Ratio Lower Upper

142 100

141 86.0 69.4 104.0



#38

1-Methylnaphthalene

Concen: 8.337 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF133405.D

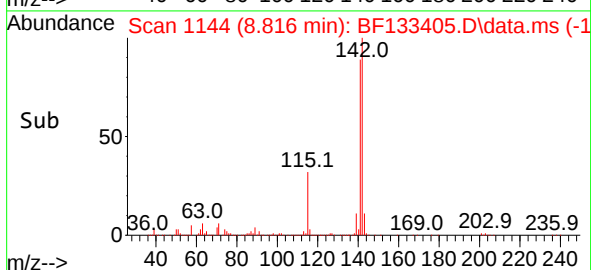
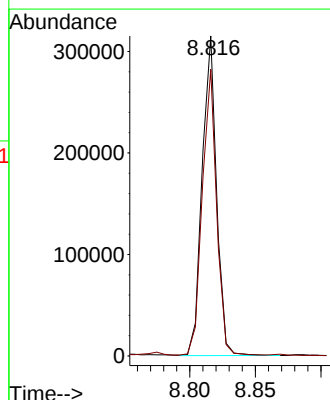
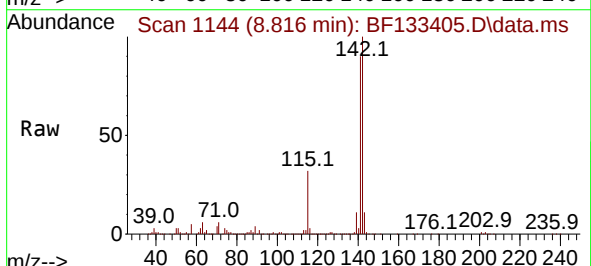
Acq: 16 May 2023 16:38

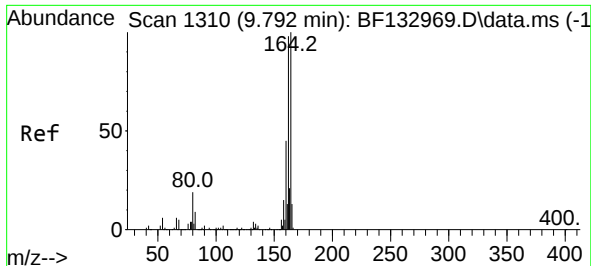
Tgt Ion:142 Resp: 241364

Ion Ratio Lower Upper

142 100

141 89.6 73.1 109.7

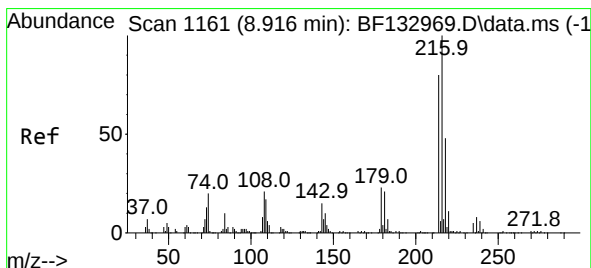
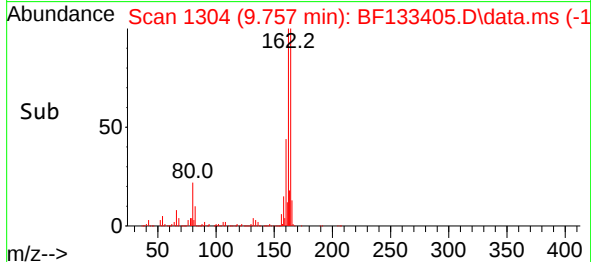
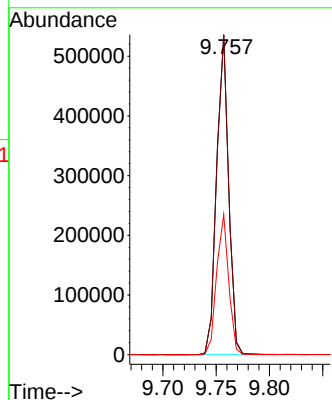
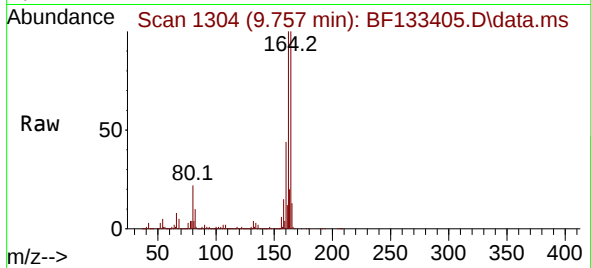




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

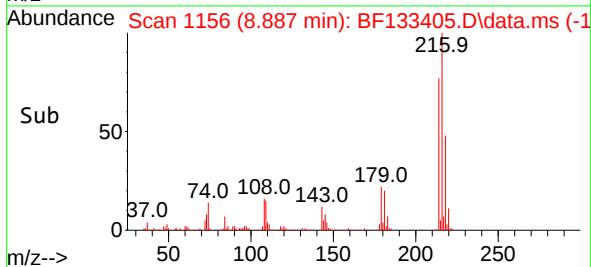
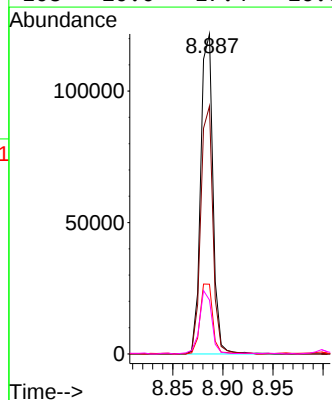
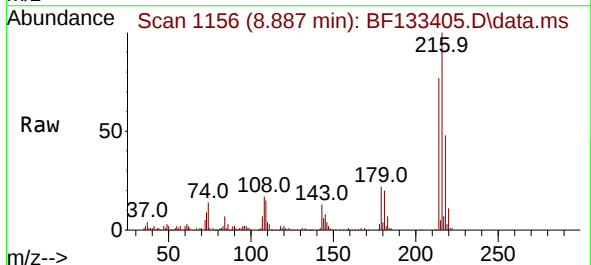
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

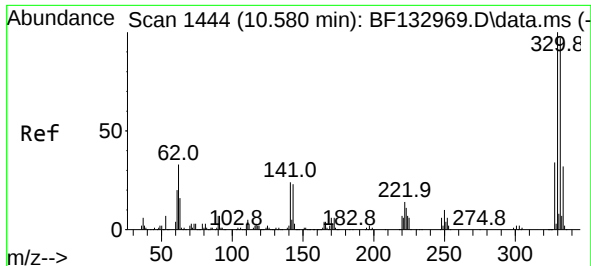
Tgt Ion:164 Resp: 419147
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 43.8 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.196 ng
RT: 8.887 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:216 Resp: 103634
Ion Ratio Lower Upper
216 100
214 77.4 63.5 95.3
179 22.8 17.4 26.2
108 20.0 17.4 26.0





#42

2,4,6-Tribromophenol

Concen: 15.939 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

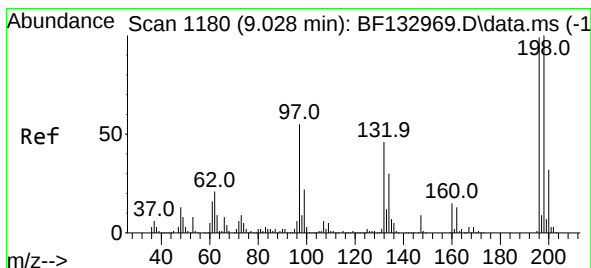
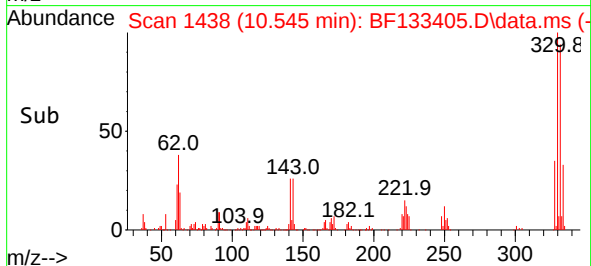
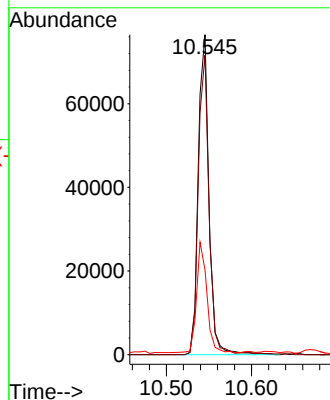
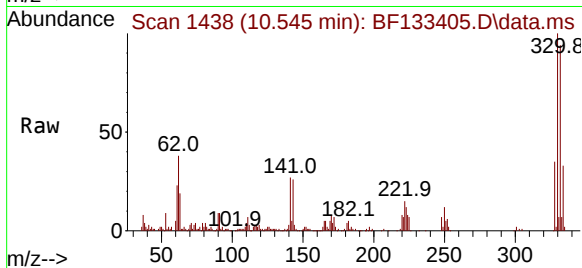
Tgt Ion:330 Resp: 67190

Ion Ratio Lower Upper

330 100

332 93.1 77.1 115.7

141 32.9 25.8 38.8



#43

2,4,6-Trichlorophenol

Concen: 8.406 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

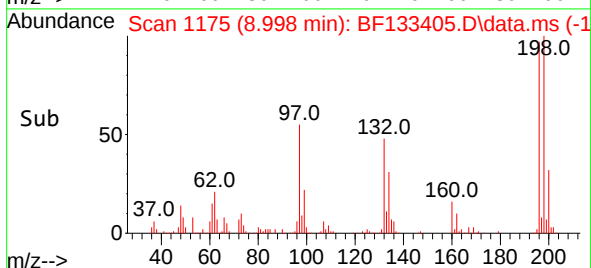
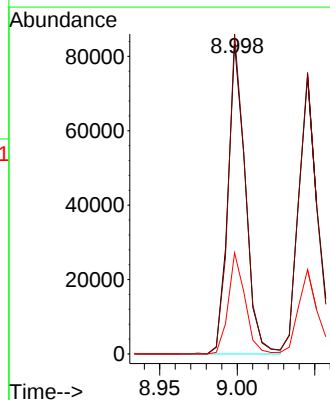
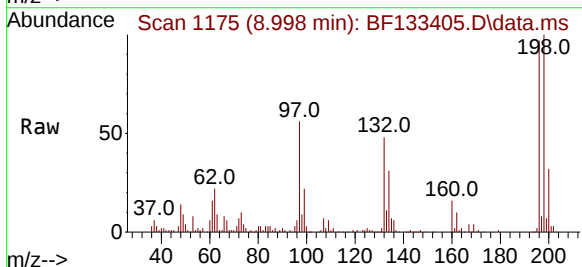
Tgt Ion:196 Resp: 65518

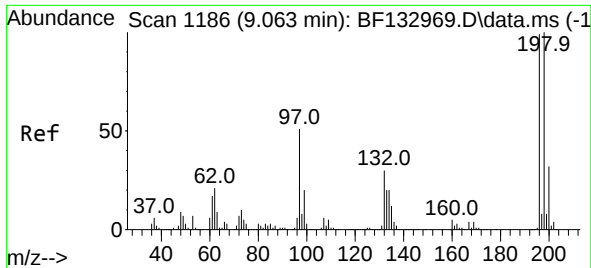
Ion Ratio Lower Upper

196 100

198 103.2 81.0 121.6

200 32.6 26.1 39.1

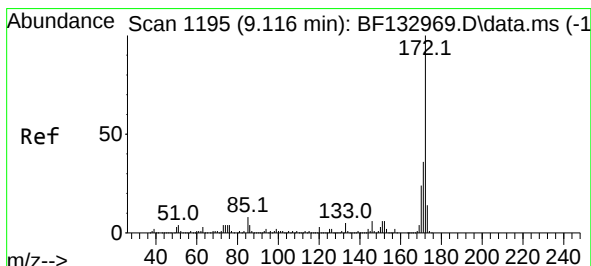
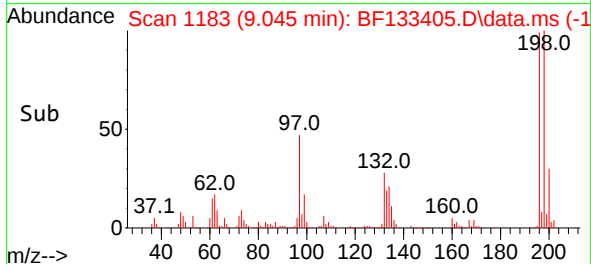
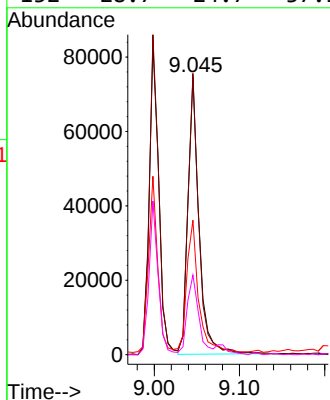
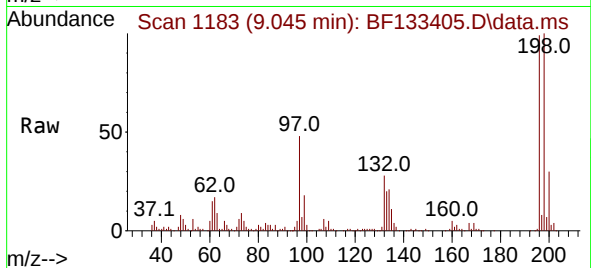




#44
 2,4,5-Trichlorophenol
 Concen: 7.466 ng
 RT: 9.045 min Scan# 1183
 Delta R.T. 0.000 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

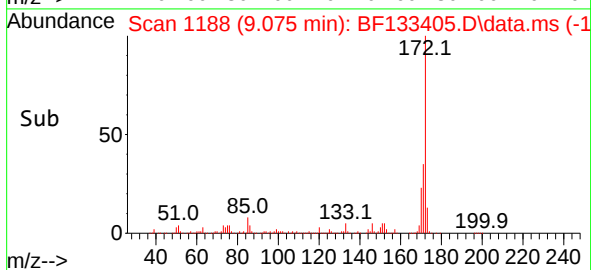
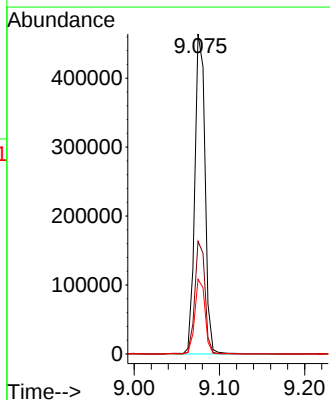
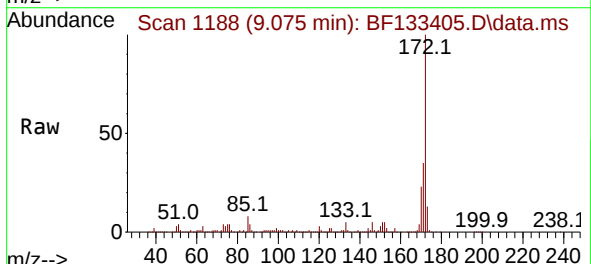
Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MS

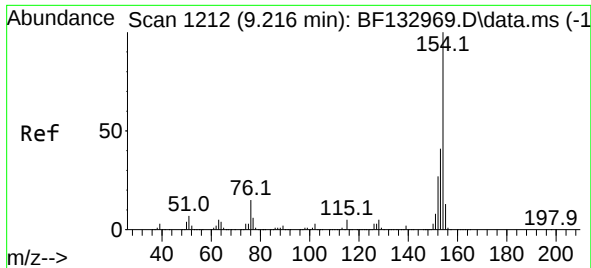
Tgt Ion:196	Resp: 67299
Ion Ratio	Lower Upper
196	100
198	101.3 80.9 121.3
97	48.4 41.3 61.9
132	28.7 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 15.513 ng
 RT: 9.075 min Scan# 1188
 Delta R.T. -0.012 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

Tgt Ion:172	Resp: 388654
Ion Ratio	Lower Upper
172	100
171	35.2 28.8 43.2
170	23.4 19.4 29.2

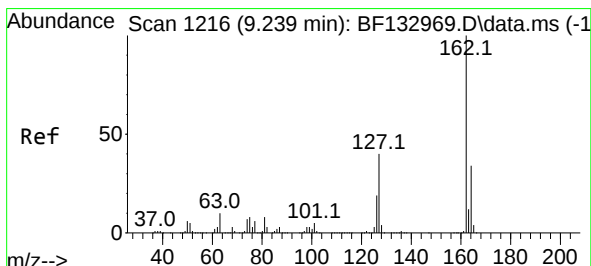
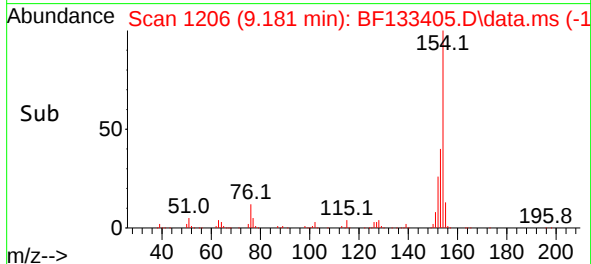
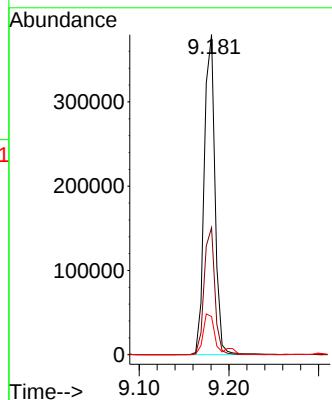
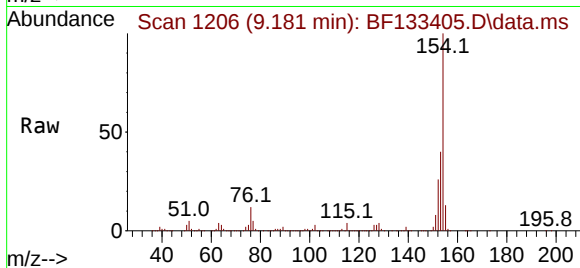




#46
1,1'-Biphenyl
Concen: 9.505 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

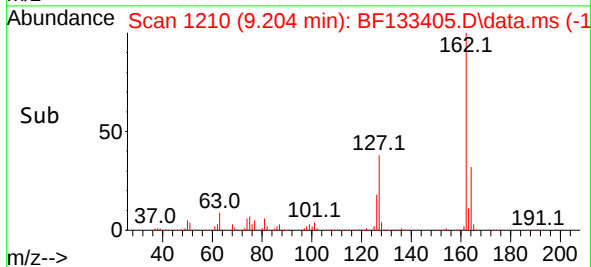
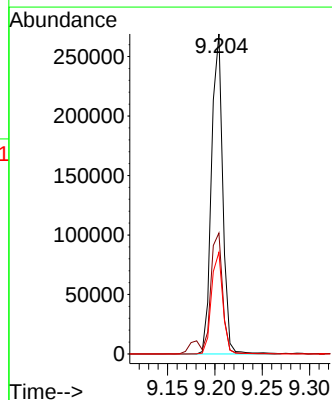
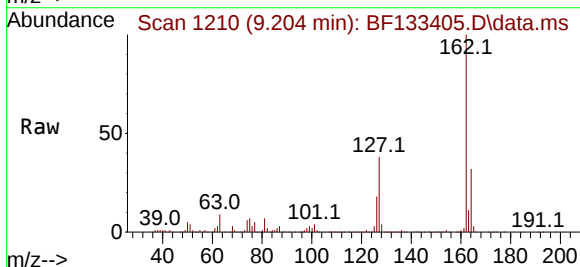
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

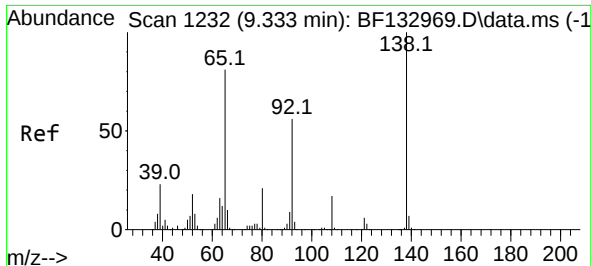
Tgt Ion:154 Resp: 315928
Ion Ratio Lower Upper
154 100
153 39.7 21.0 61.0
76 11.9 0.0 34.5



#47
2-Chloronaphthalene
Concen: 9.136 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:162 Resp: 222241
Ion Ratio Lower Upper
162 100
127 37.8 32.3 48.5
164 31.8 26.8 40.2

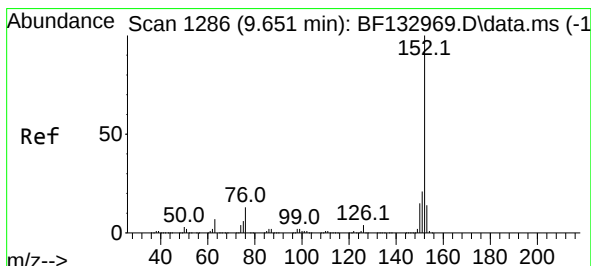
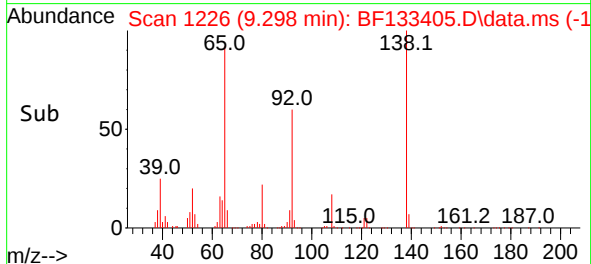
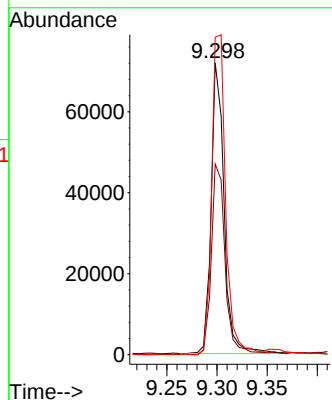
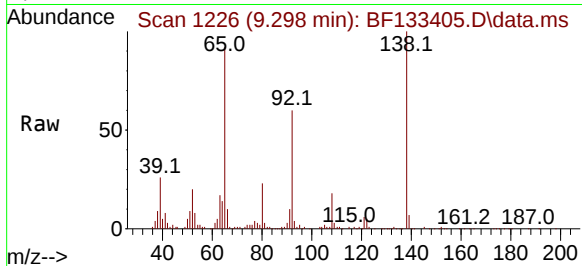




#48
2-Nitroaniline
Concen: 8.021 ng
RT: 9.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

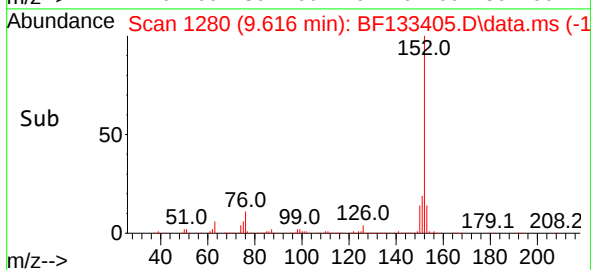
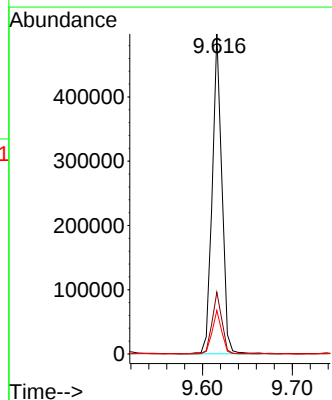
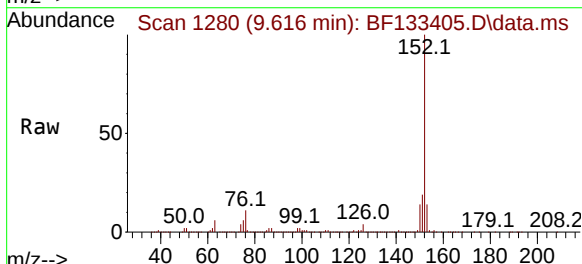
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

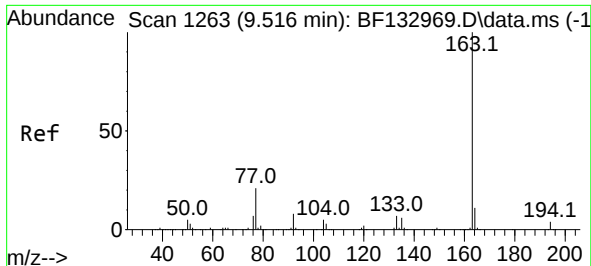
Tgt Ion: 65 Resp: 64489
Ion Ratio Lower Upper
65 100
92 65.3 55.4 83.0
138 108.8 98.2 147.2



#49
Acenaphthylene
Concen: 9.552 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion: 152 Resp: 371300
Ion Ratio Lower Upper
152 100
151 19.3 16.6 24.8
153 13.6 11.5 17.3

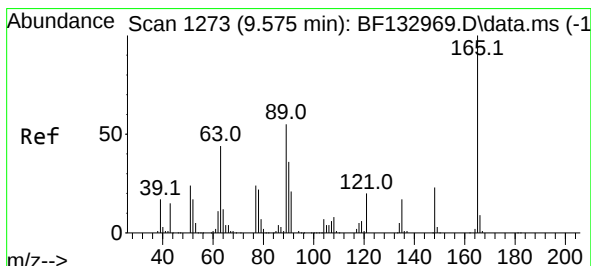
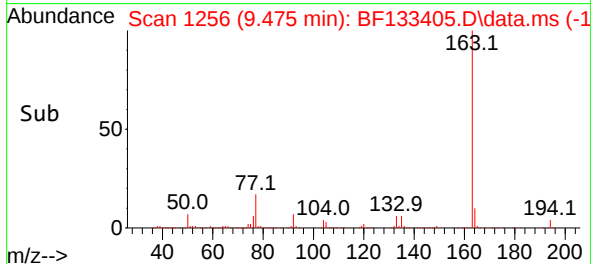
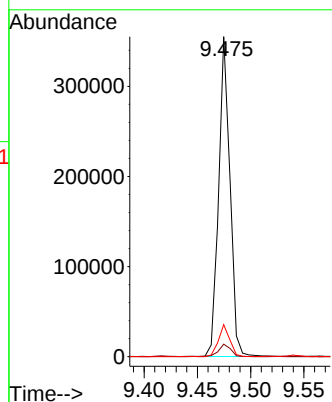
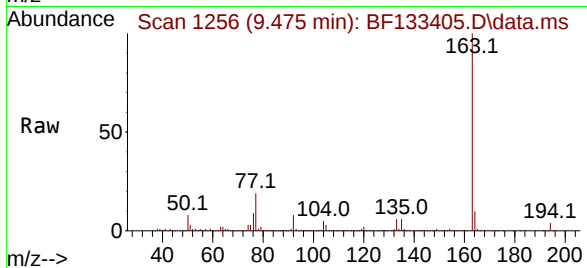




#50
Dimethylphthalate
Concen: 8.923 ng
RT: 9.475 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

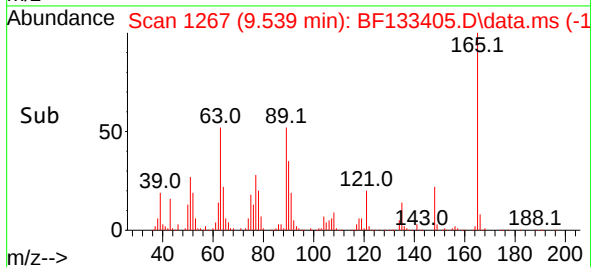
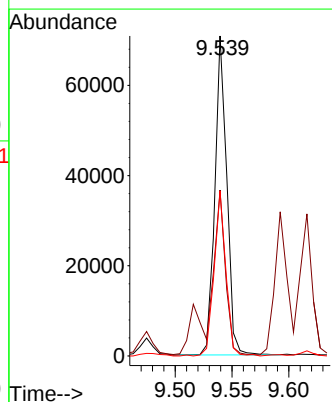
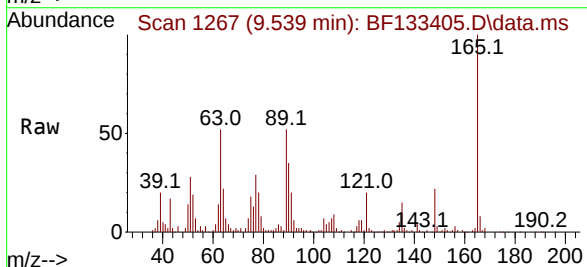
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

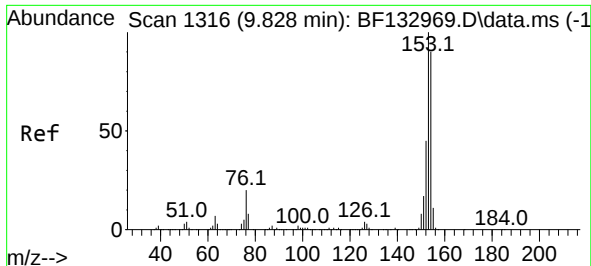
Tgt Ion:163 Resp: 260774
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.5 12.7



#51
2,6-Dinitrotoluene
Concen: 7.826 ng
RT: 9.539 min Scan# 1267
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:165 Resp: 51478
Ion Ratio Lower Upper
165 100
63 51.9 45.9 68.9
89 51.5 44.0 66.0

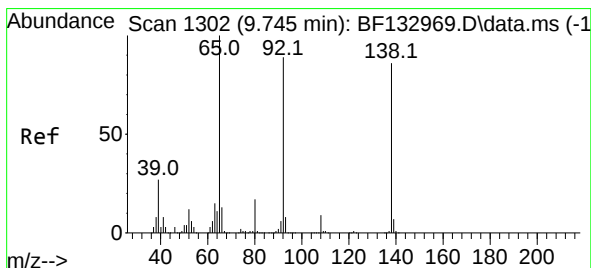
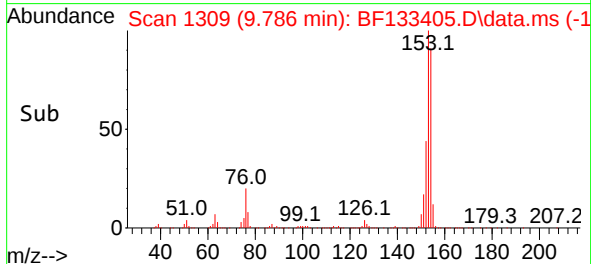
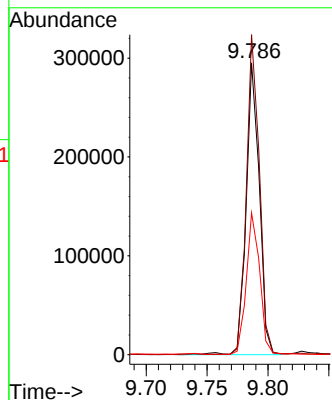
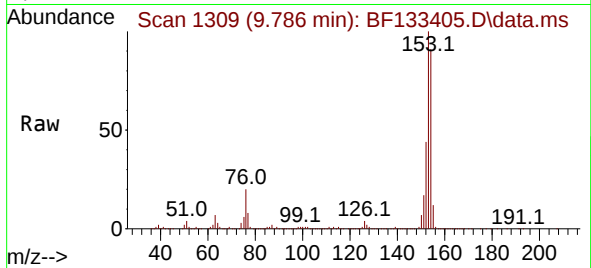




#52
Acenaphthene
Concen: 8.507 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

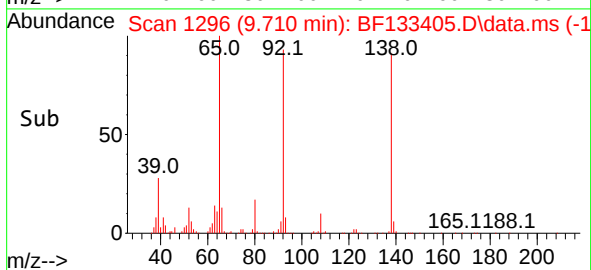
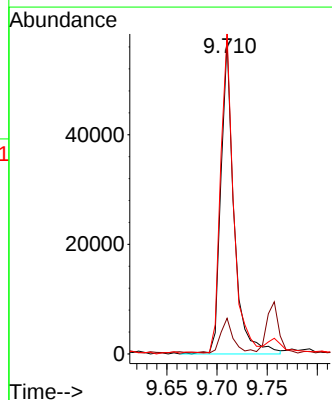
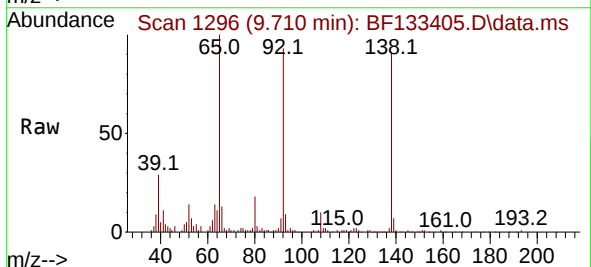
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

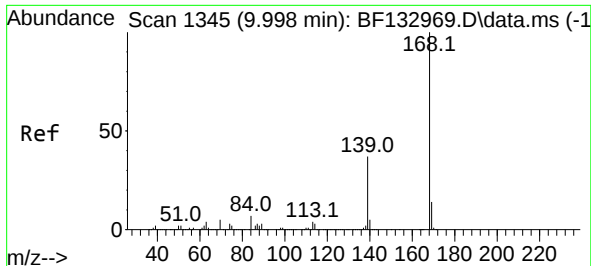
Tgt Ion:154 Resp: 221463
Ion Ratio Lower Upper
154 100
153 109.6 89.0 133.6
152 48.6 40.4 60.6



#53
3-Nitroaniline
Concen: 6.605 ng
RT: 9.710 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:138 Resp: 51660
Ion Ratio Lower Upper
138 100
108 11.4 8.0 12.0
92 102.2 83.6 125.4

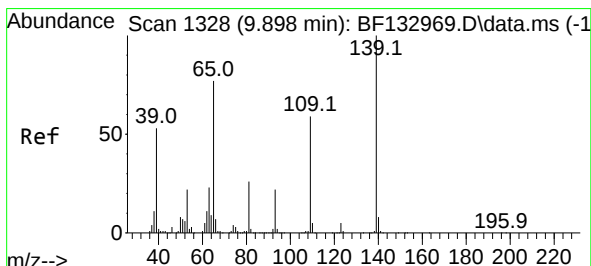
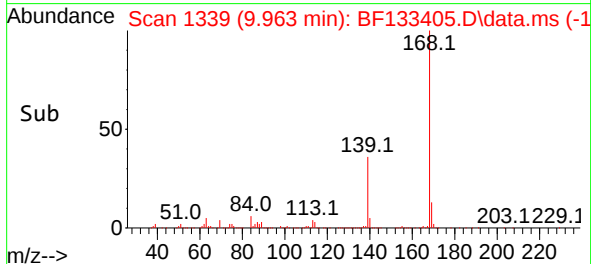
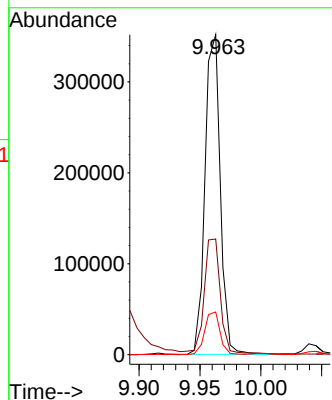
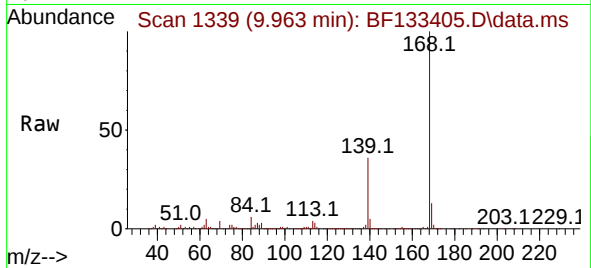




#55
Dibenzenofuran
Concen: 8.641 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

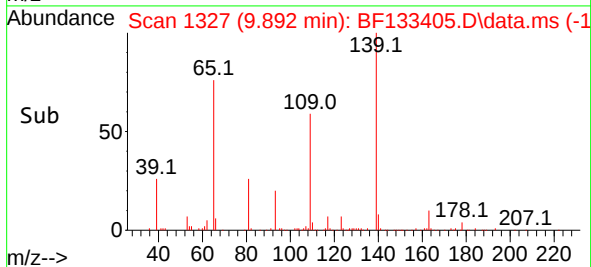
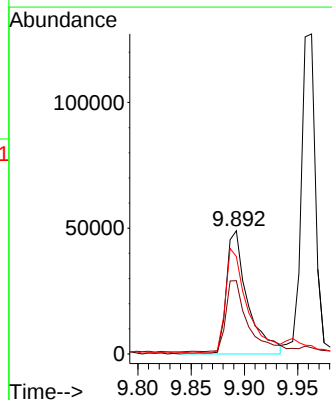
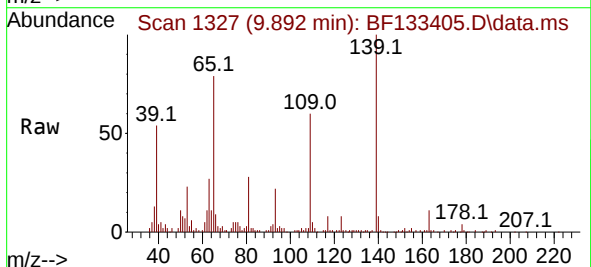
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

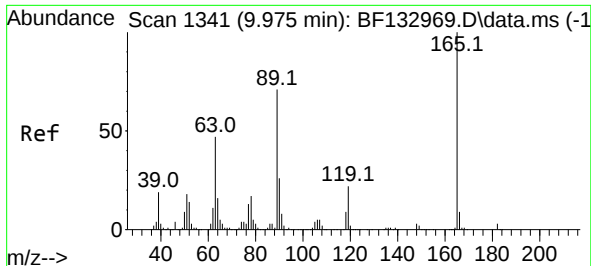
Tgt Ion:168 Resp: 306857
Ion Ratio Lower Upper
168 100
139 36.2 29.8 44.8
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 11.216 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:139 Resp: 67945
Ion Ratio Lower Upper
139 100
109 59.5 39.4 79.4
65 79.1 57.5 97.5

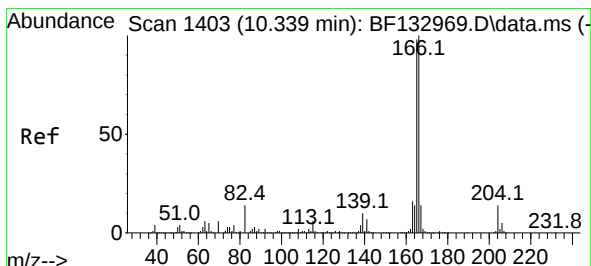
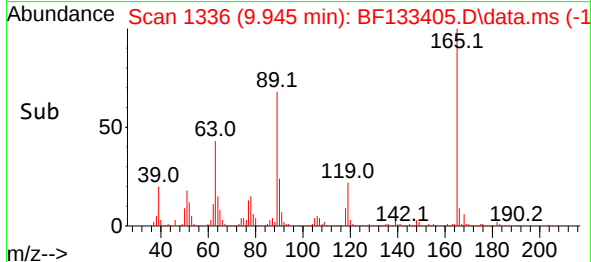
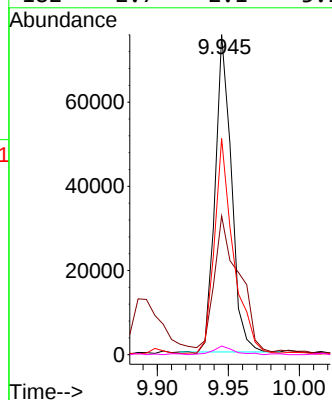
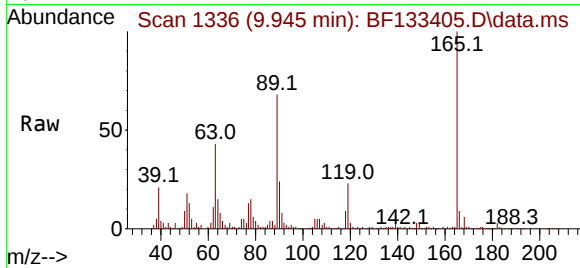




#57
2,4-Dinitrotoluene
Concen: 7.182 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

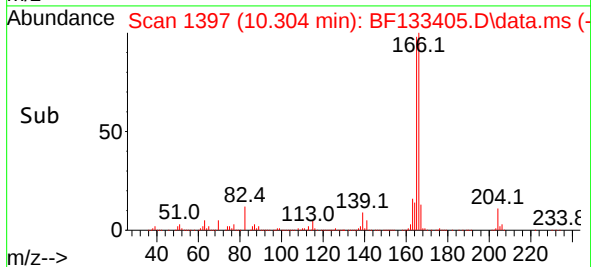
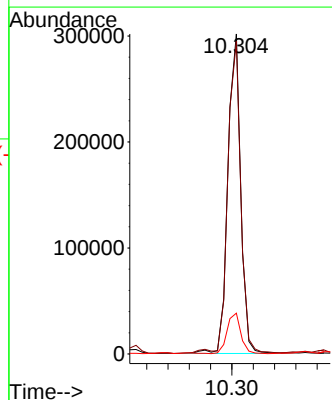
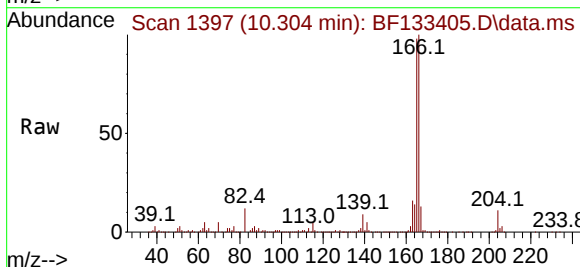
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

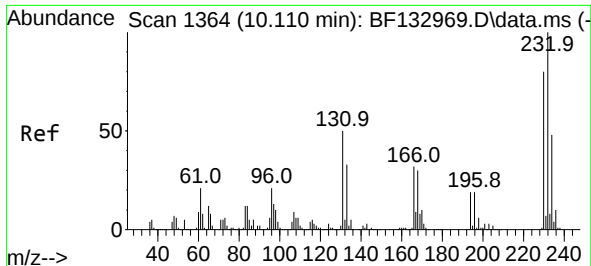
Tgt	Ion:165	Resp:	60253
Ion	Ratio	Lower	Upper
165	100		
63	43.3	37.7	56.5
89	67.6	57.0	85.4
182	2.7	2.1	3.1



#58
Fluorene
Concen: 9.599 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt	Ion:166	Resp:	249748
Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	12.7	11.0	16.4

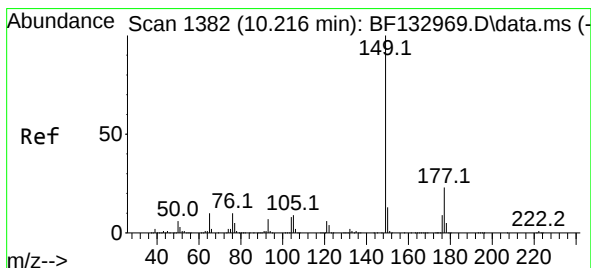
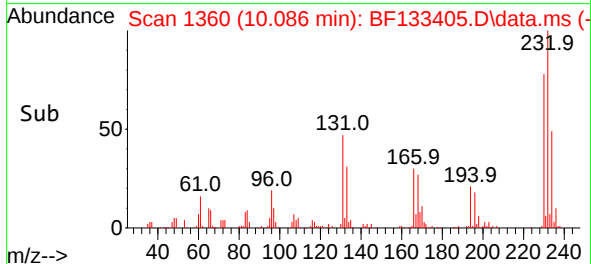
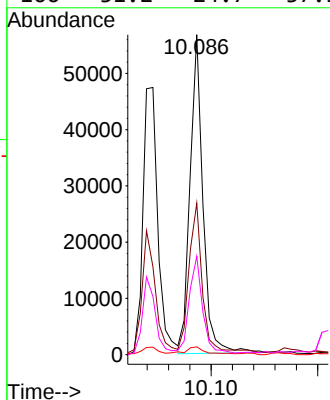
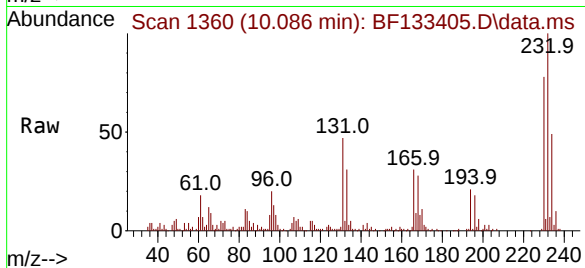




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.835 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

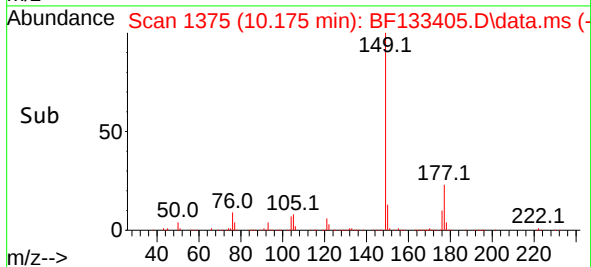
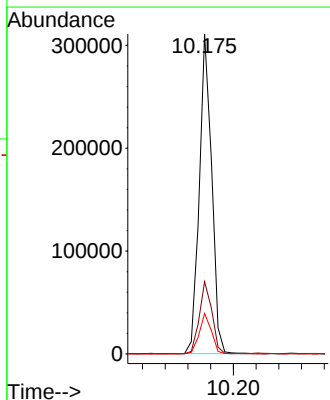
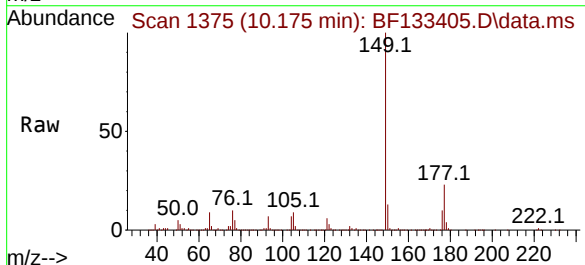
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

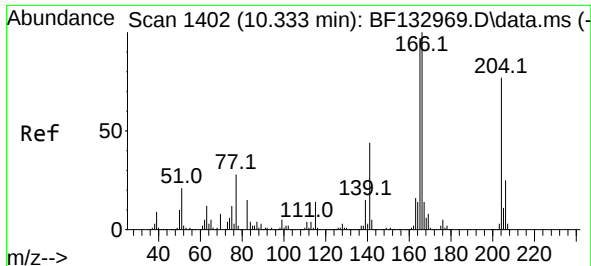
Tgt Ion:232 Resp: 47766
Ion Ratio Lower Upper
232 100
131 48.3 38.0 57.0
130 3.2 1.8 2.8#
166 31.2 24.7 37.1



#60
Diethylphthalate
Concen: 8.506 ng
RT: 10.175 min Scan# 1375
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:149 Resp: 234822
Ion Ratio Lower Upper
149 100
177 22.6 18.2 27.4
150 12.6 10.2 15.4

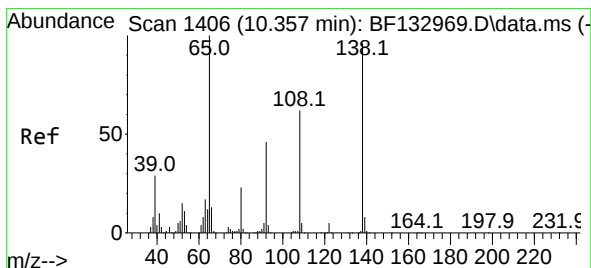
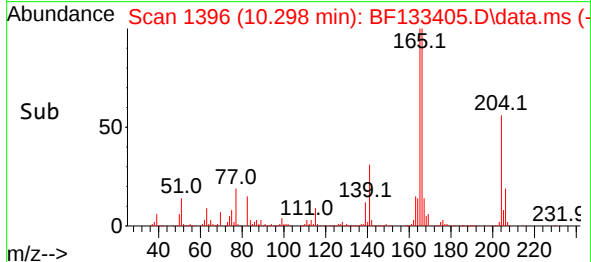
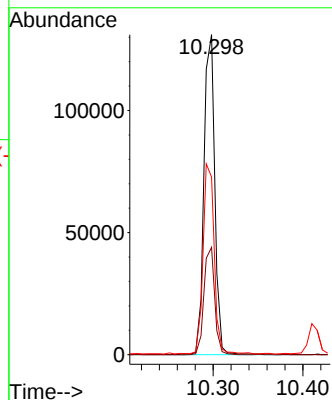
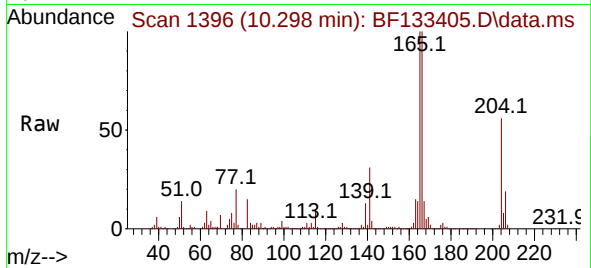




#61
4-Chlorophenyl-phenylether
Concen: 8.665 ng
RT: 10.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

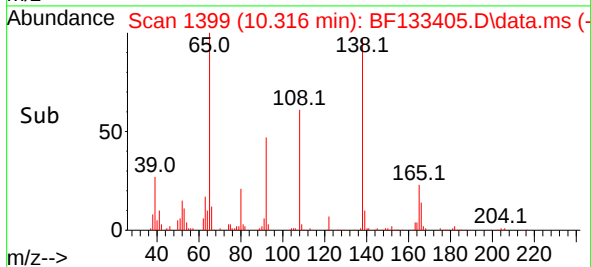
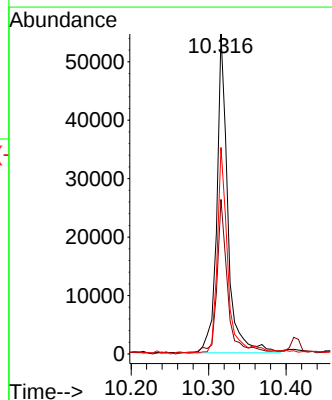
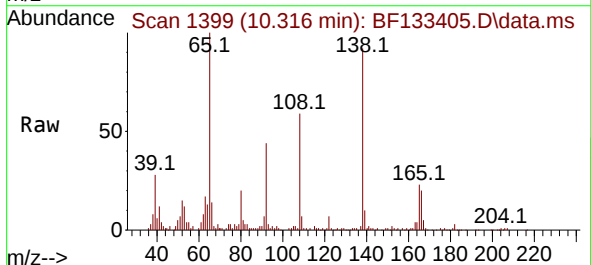
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

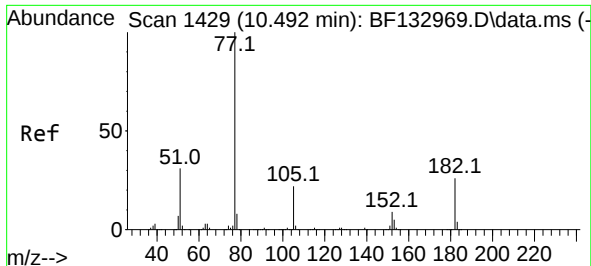
Tgt Ion:204 Resp: 109864
Ion Ratio Lower Upper
204 100
206 33.5 26.1 39.1
141 55.5 46.1 69.1



#62
4-Nitroaniline
Concen: 7.493 ng
RT: 10.316 min Scan# 1399
Delta R.T. -0.018 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:138 Resp: 53868
Ion Ratio Lower Upper
138 100
92 48.3 27.7 67.7
108 64.5 45.2 85.2

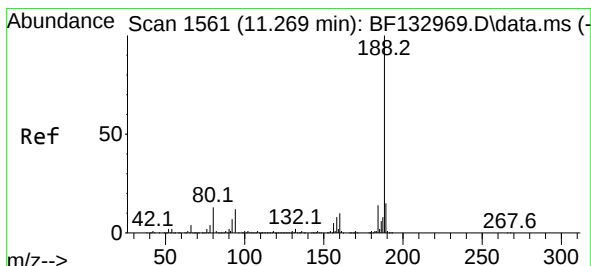
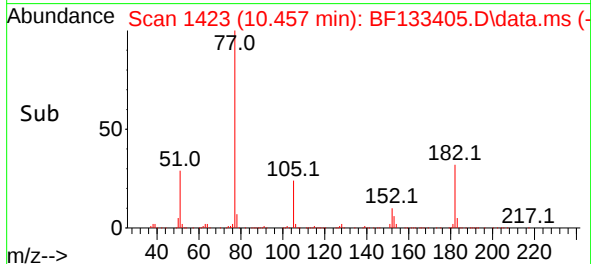
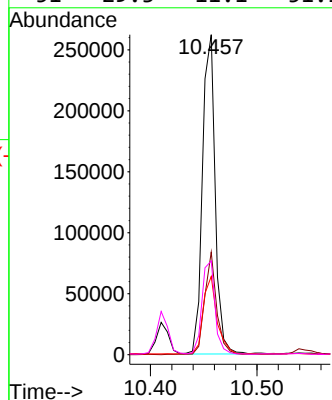
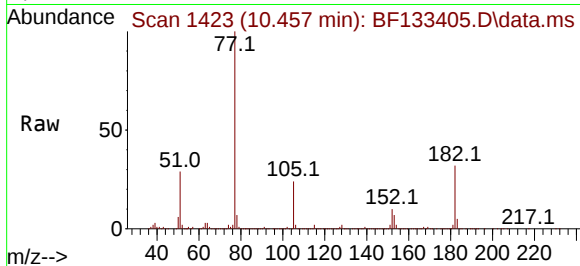




#63
Azobenzene
Concen: 7.443 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

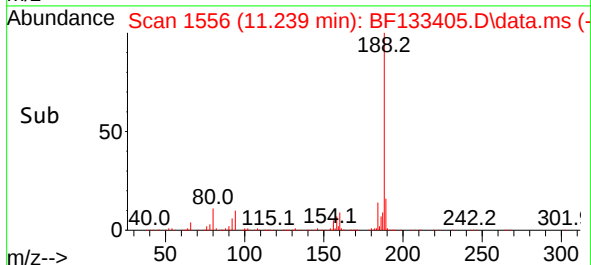
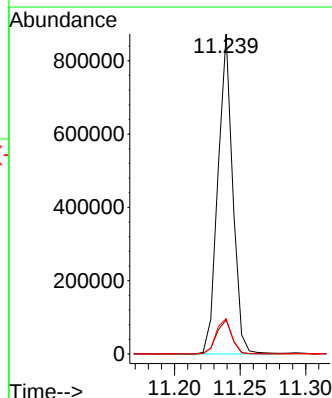
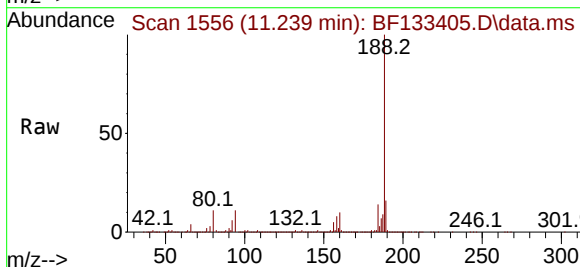
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

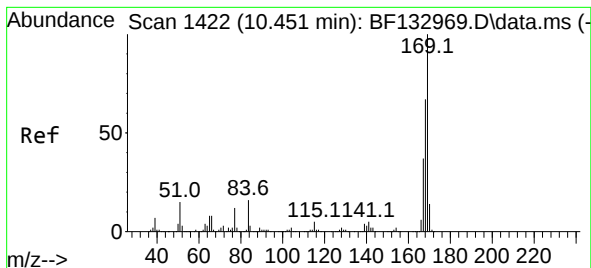
Tgt Ion: 77	Resp: 217658
Ion Ratio	Lower Upper
77 100	
182 32.0	5.9 45.9
105 24.4	2.3 42.3
51 29.3	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:188	Resp: 684087		
Ion Ratio	Lower	Upper	
188 100			
94 10.6	9.7	14.5	
80 11.1	10.4	15.6	





#66

n-Nitrosodiphenylamine

Concen: 8.772 ng

RT: 10.410 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

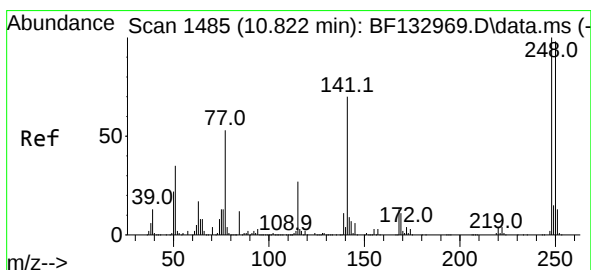
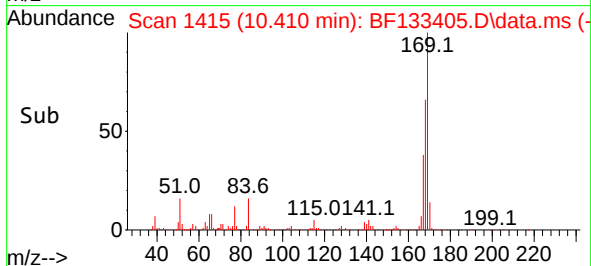
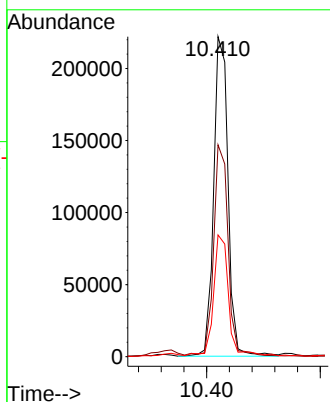
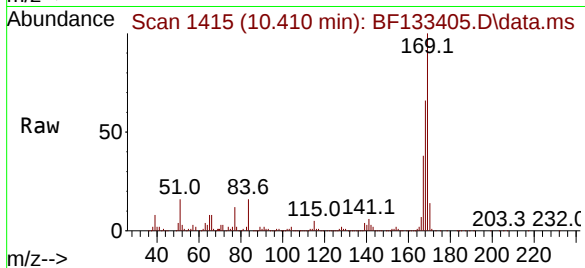
Tgt Ion:169 Resp: 194653

Ion Ratio Lower Upper

169 100

168 66.2 53.8 80.8

167 38.1 29.7 44.5



#67

4-Bromophenyl-phenylether

Concen: 8.457 ng

RT: 10.786 min Scan# 1479

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

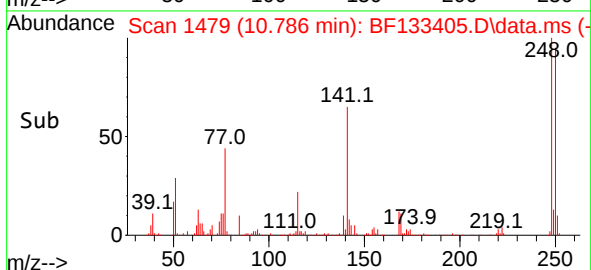
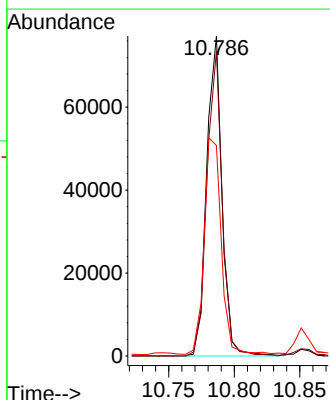
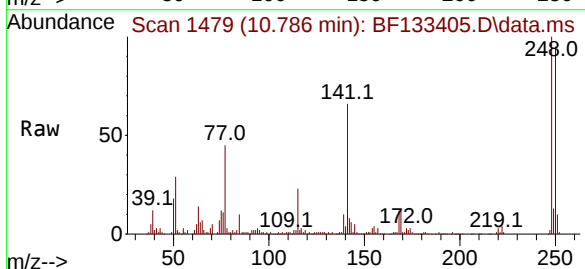
Tgt Ion:248 Resp: 62745

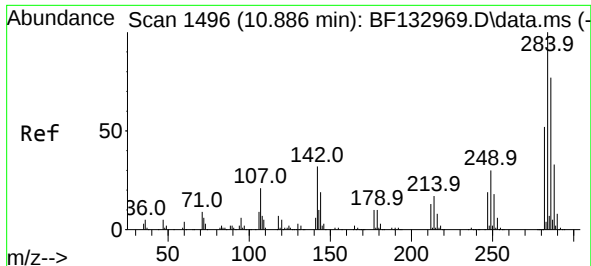
Ion Ratio Lower Upper

248 100

250 95.3 78.7 118.1

141 65.7 56.3 84.5

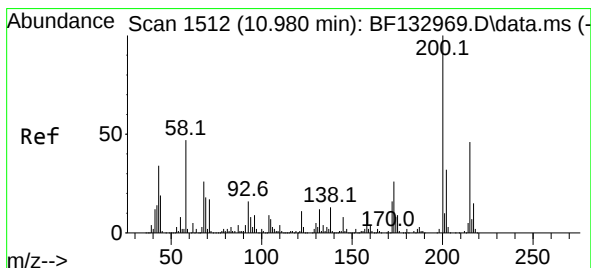
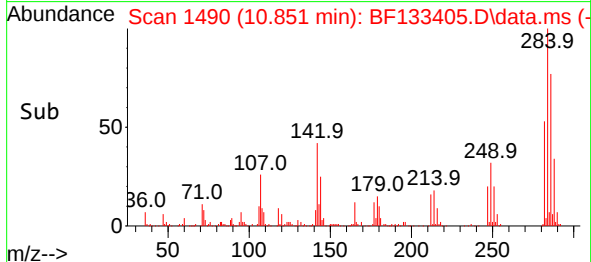
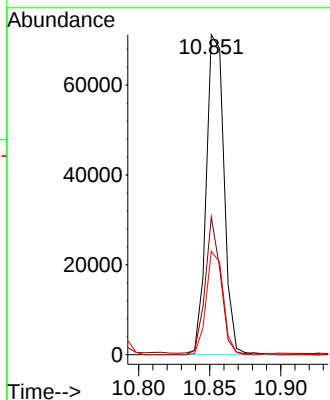
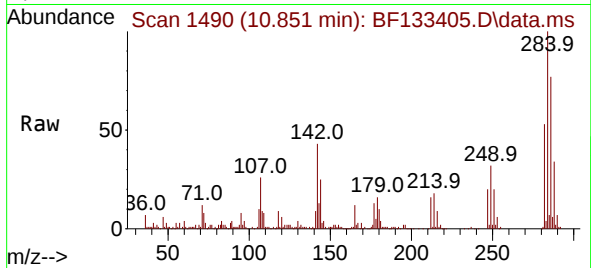




#68
Hexachlorobenzene
Concen: 8.143 ng
RT: 10.851 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

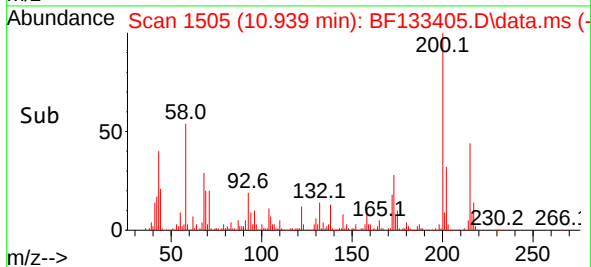
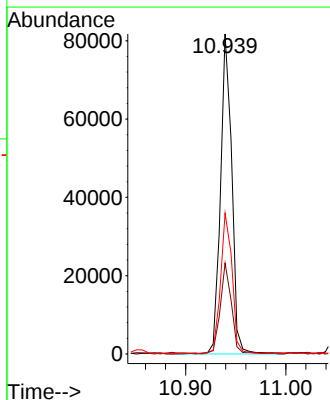
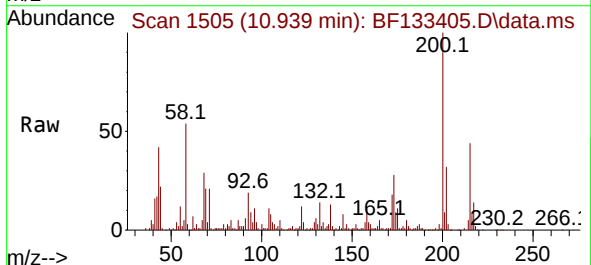
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

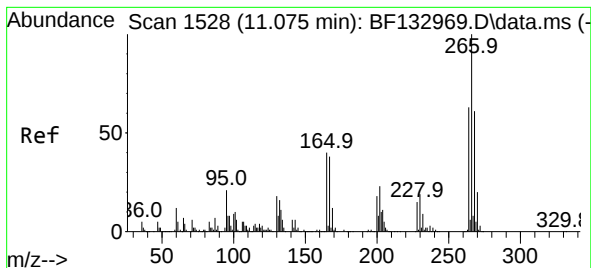
Tgt Ion:284 Resp: 61910
Ion Ratio Lower Upper
284 100
142 43.0 26.0 39.0#
249 32.3 23.7 35.5



#69
Atrazine
Concen: 9.934 ng
RT: 10.939 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:200 Resp: 63518
Ion Ratio Lower Upper
200 100
173 28.4 6.2 46.2
215 44.0 26.3 66.3





#70

Pentachlorophenol

Concen: 9.795 ng

RT: 11.051 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

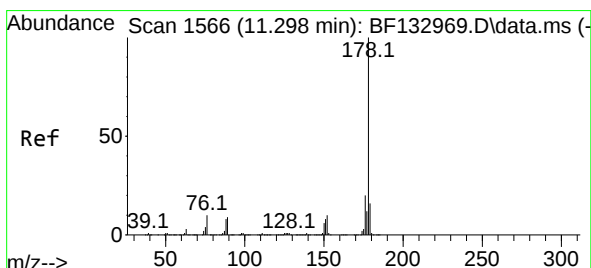
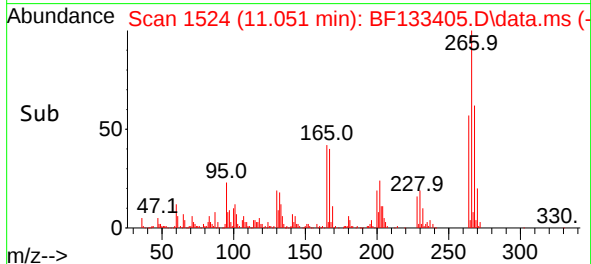
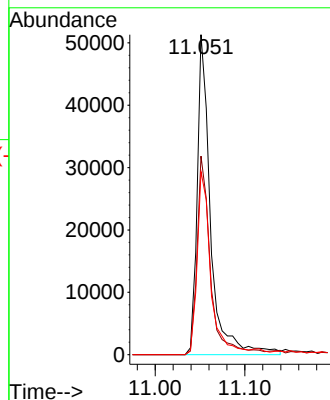
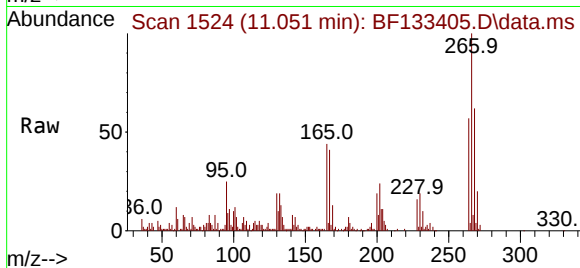
Tgt Ion:266 Resp: 53035

Ion Ratio Lower Upper

266 100

268 62.1 48.8 73.2

264 57.2 50.6 76.0



#71

Phenanthrene

Concen: 13.527 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

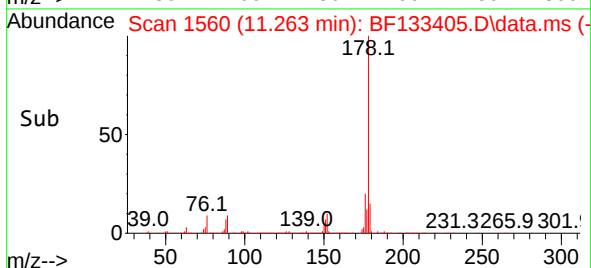
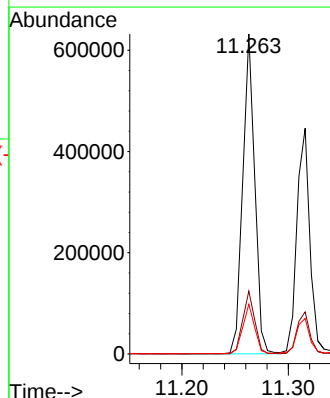
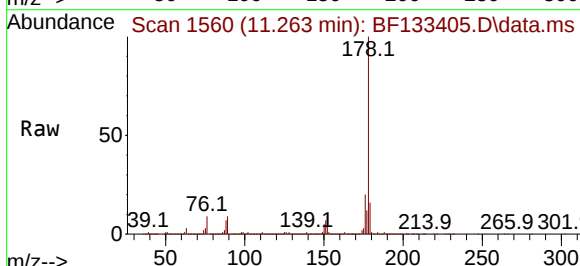
Tgt Ion:178 Resp: 497345

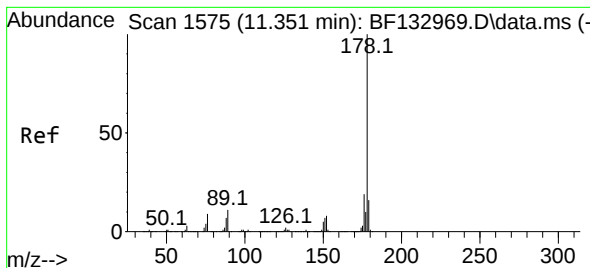
Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 15.5 12.5 18.7





#72

Anthracene

Concen: 10.098 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

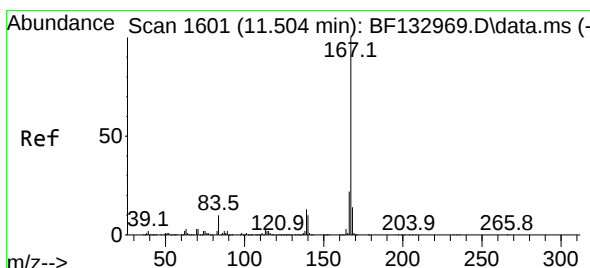
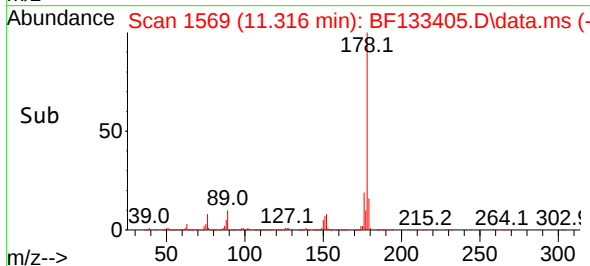
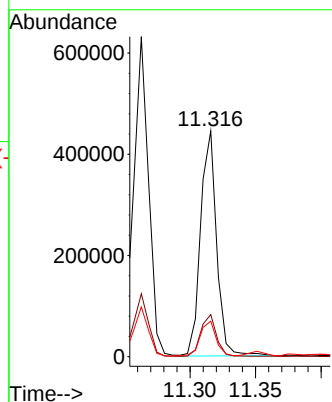
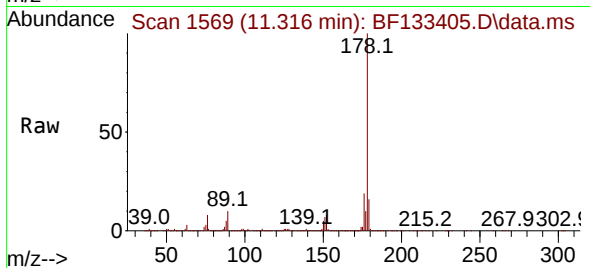
Tgt Ion:178 Resp: 379972

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.8 12.4 18.6



#73

Carbazole

Concen: 9.018 ng

RT: 11.469 min Scan# 1595

Delta R.T. -0.012 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

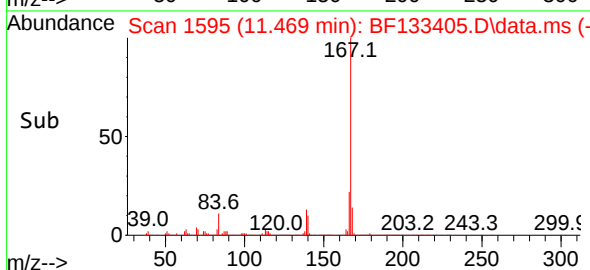
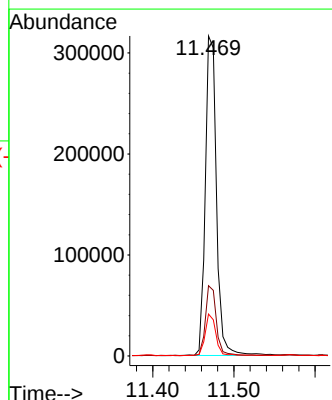
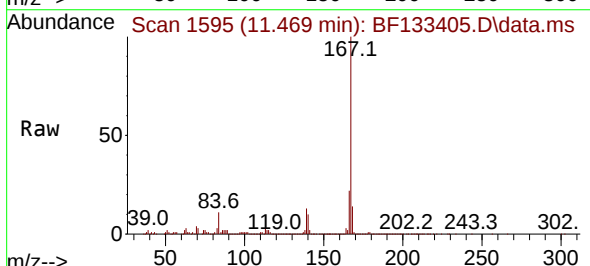
Tgt Ion:167 Resp: 302162

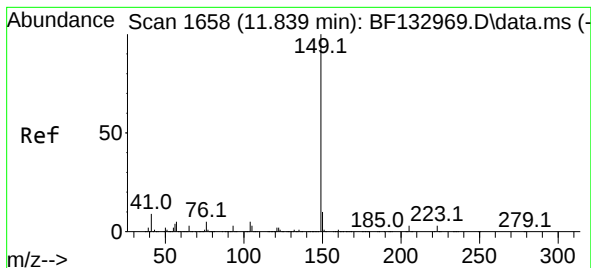
Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

139 13.1 10.6 16.0





#74

Di-n-butylphthalate

Concen: 9.293 ng

RT: 11.804 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

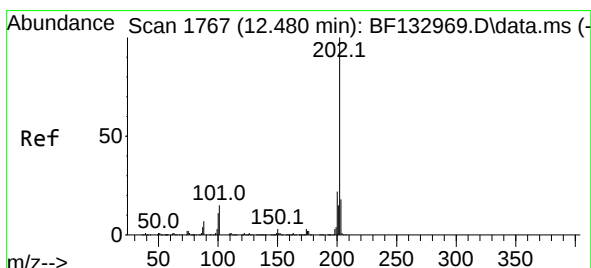
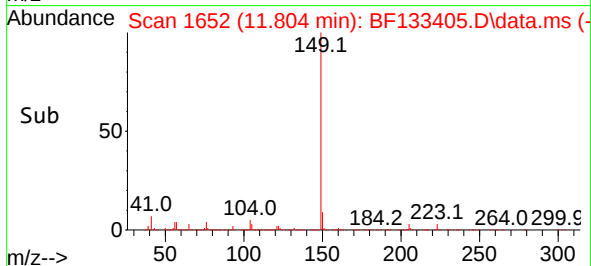
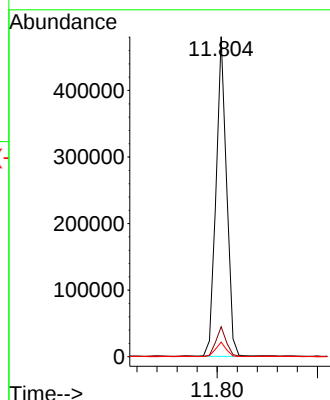
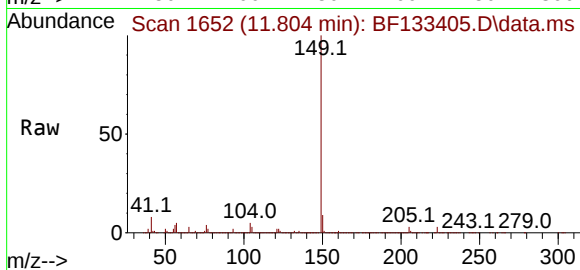
Tgt Ion:149 Resp: 352359

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

104 4.6 4.0 6.0



#75

Fluoranthene

Concen: 16.799 ng

RT: 12.451 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

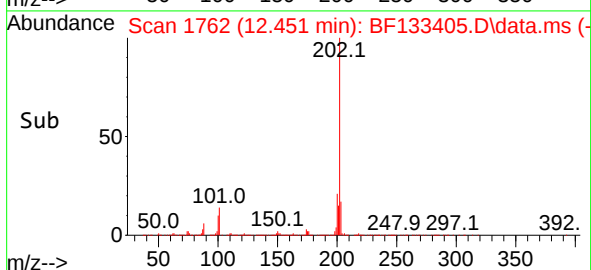
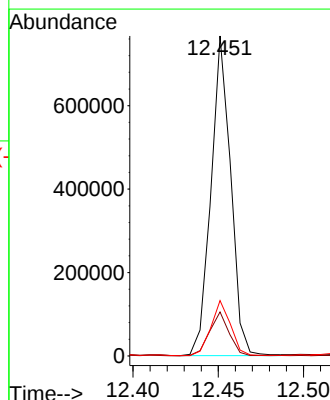
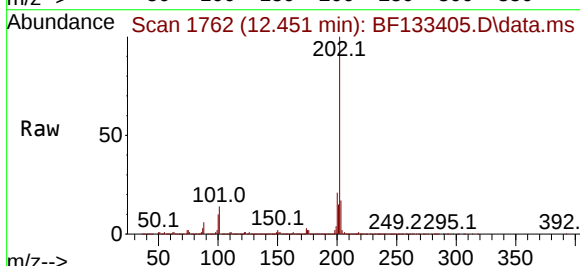
Tgt Ion:202 Resp: 619882

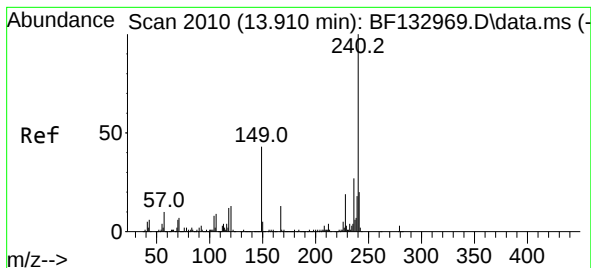
Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.3

203 17.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

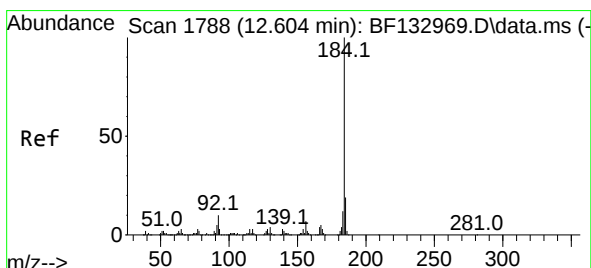
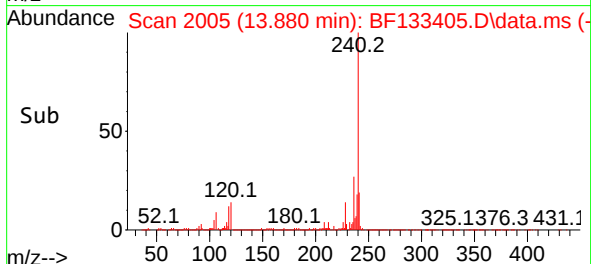
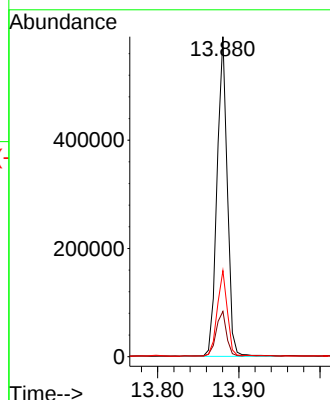
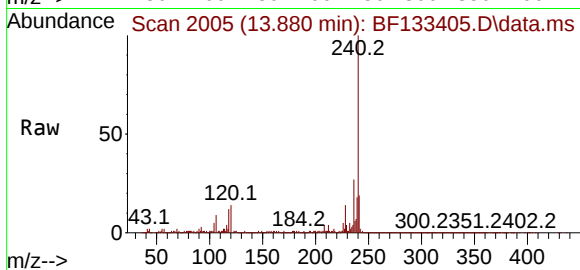
Tgt Ion:240 Resp: 517517

Ion Ratio Lower Upper

240 100

120 14.2 10.5 15.7

236 26.9 21.5 32.3



#77

Benzidine

Concen: 11.109 ng

RT: 12.575 min Scan# 1783

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

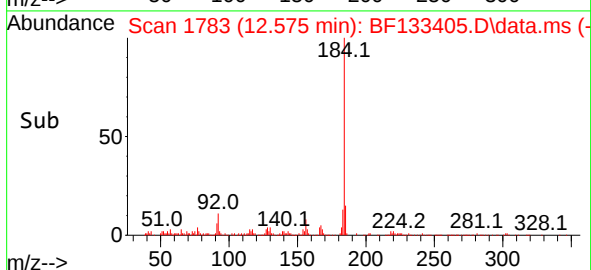
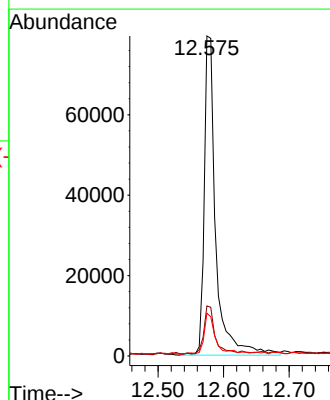
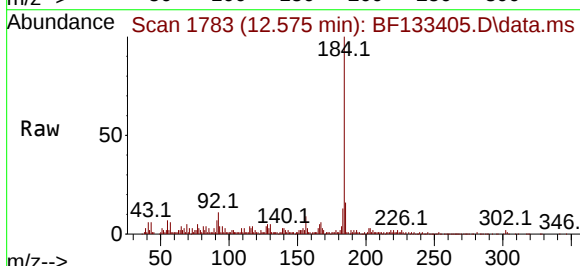
Tgt Ion:184 Resp: 97223

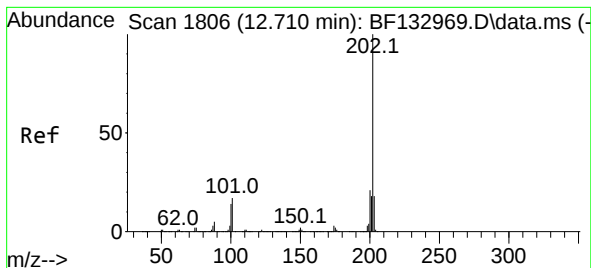
Ion Ratio Lower Upper

184 100

185 15.6 15.4 23.2

183 13.4 9.4 14.0





#78

Pyrene

Concen: 15.267 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

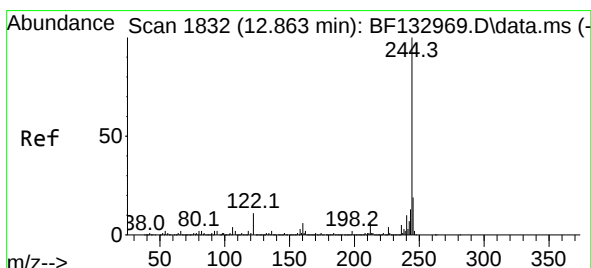
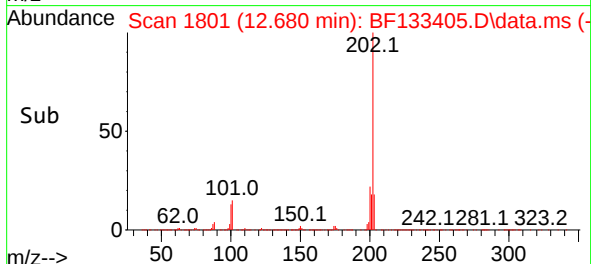
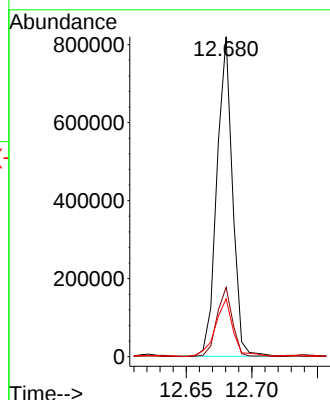
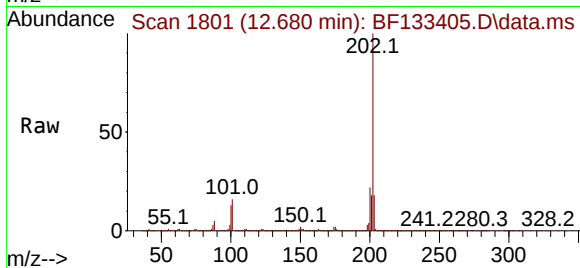
Tgt Ion:202 Resp: 677276

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 12.514 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

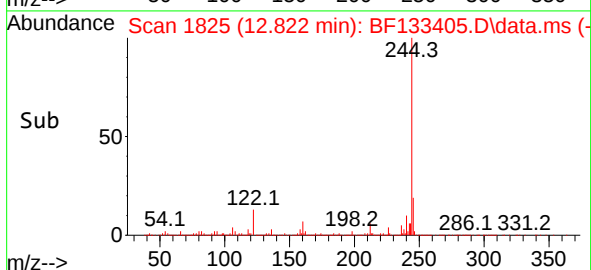
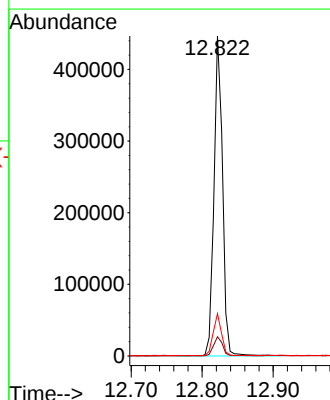
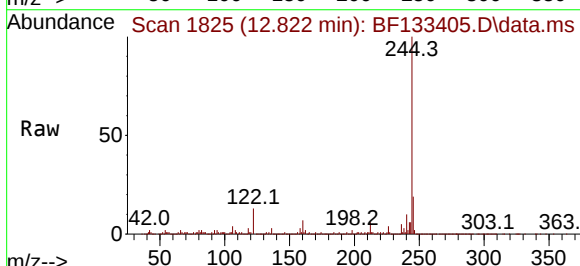
Tgt Ion:244 Resp: 375515

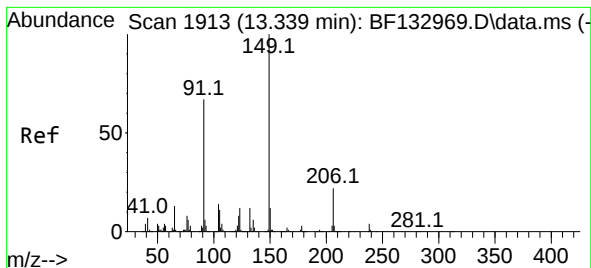
Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

122 13.2 8.6 13.0#





#80

Butylbenzylphthalate

Concen: 9.311 ng

RT: 13.304 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

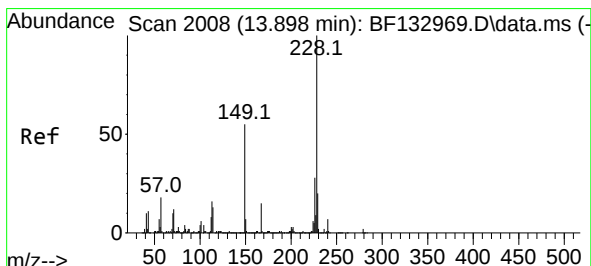
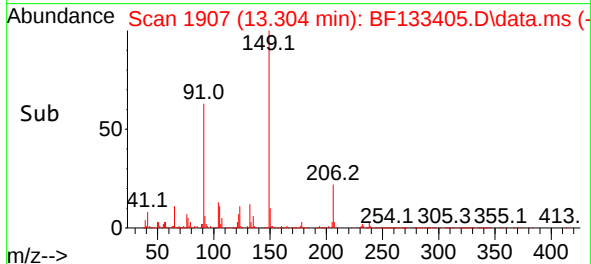
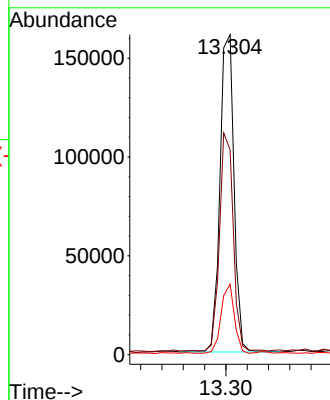
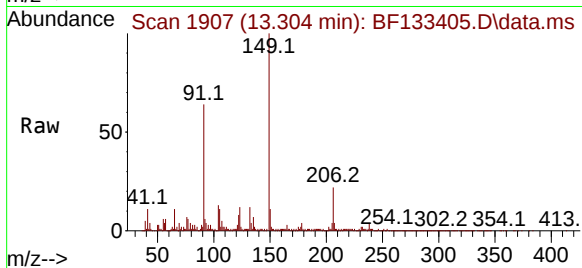
Tgt Ion:149 Resp: 146248

Ion Ratio Lower Upper

149 100

91 64.0 53.8 80.6

206 22.0 17.5 26.3



#81

Benzo(a)anthracene

Concen: 12.108 ng

RT: 13.869 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

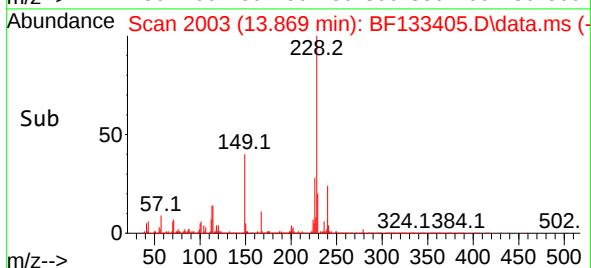
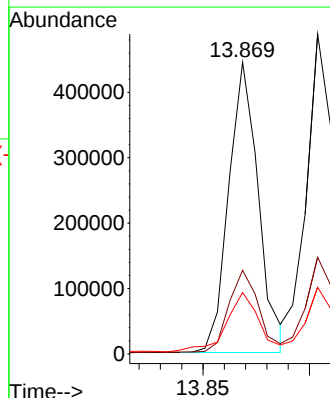
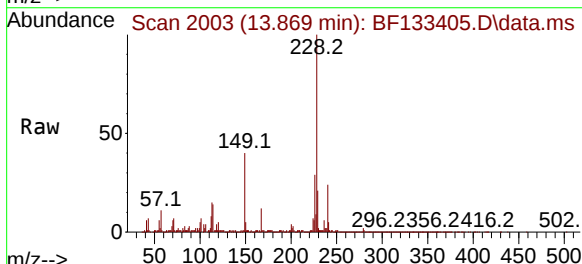
Tgt Ion:228 Resp: 430891

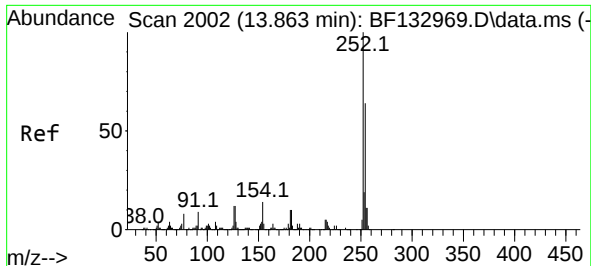
Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.4

229 21.1 16.0 24.0

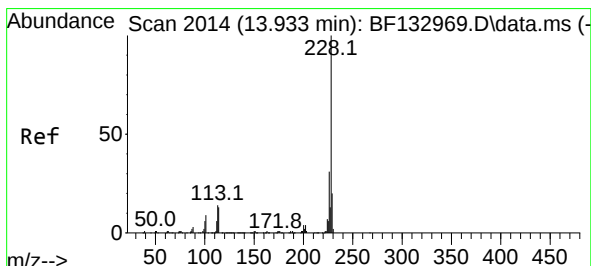
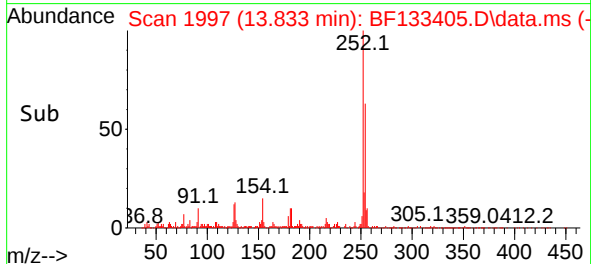
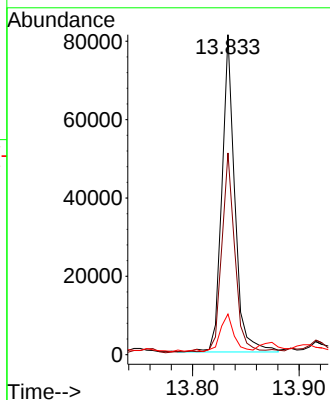
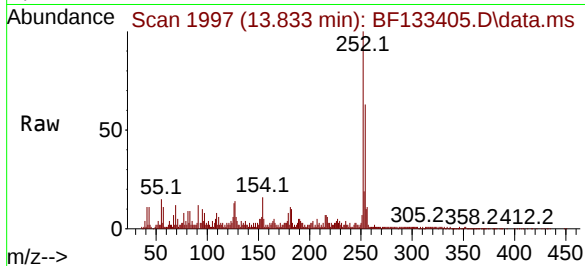




#82
3,3'-Dichlorobenzidine
Concen: 6.925 ng
RT: 13.833 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

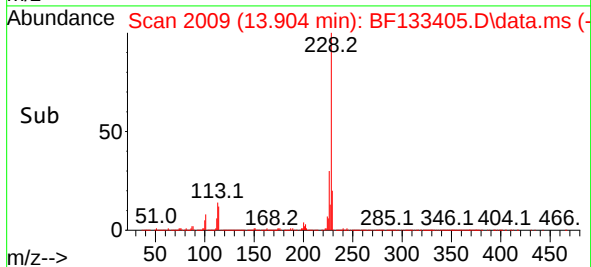
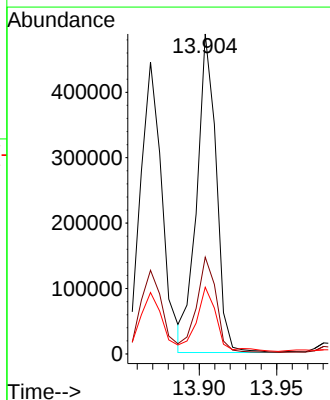
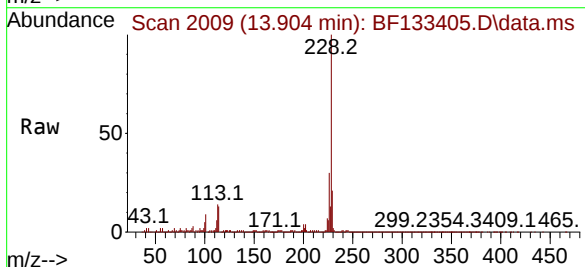
Instrument :
BNA_F
ClientSampleId :
ORA-1639MS

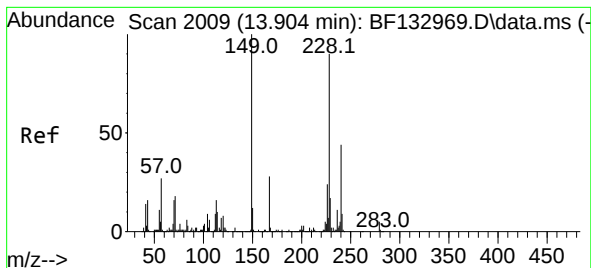
Tgt Ion:252 Resp: 68085
Ion Ratio Lower Upper
252 100
254 63.0 51.5 77.3
126 12.7 9.5 14.3



#83
Chrysene
Concen: 11.918 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133405.D
Acq: 16 May 2023 16:38

Tgt Ion:228 Resp: 424026
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 20.8 16.1 24.1

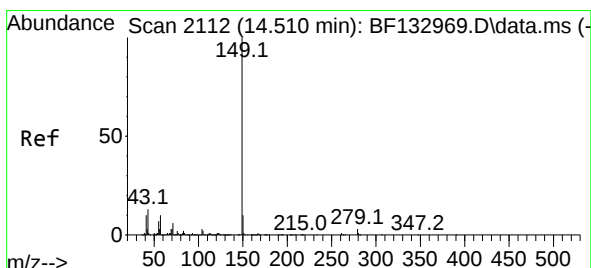
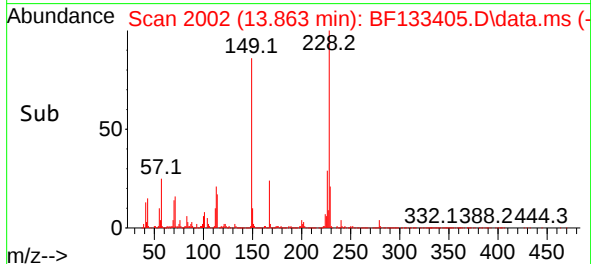
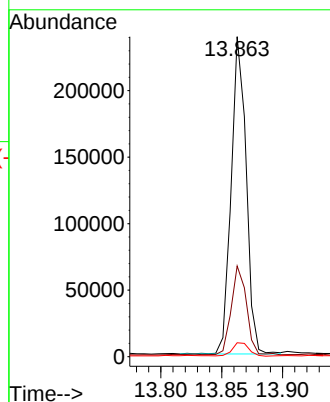
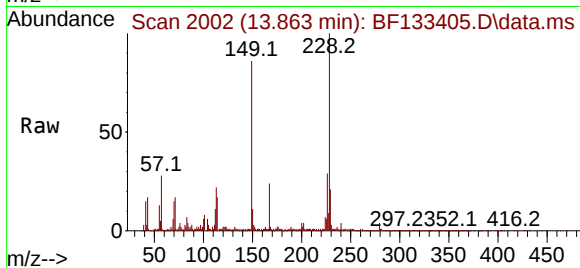




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.410 ng
 RT: 13.863 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

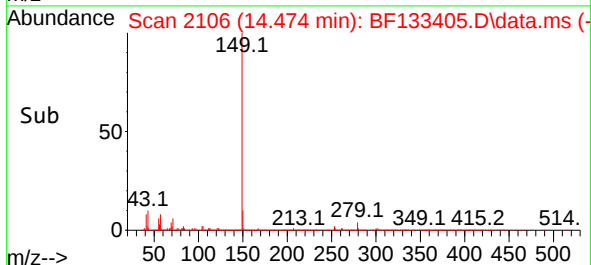
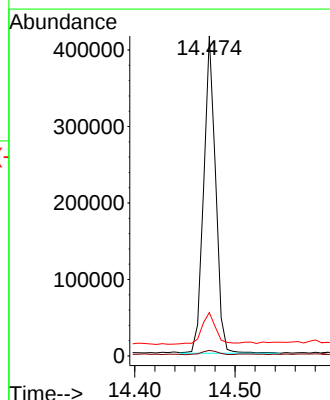
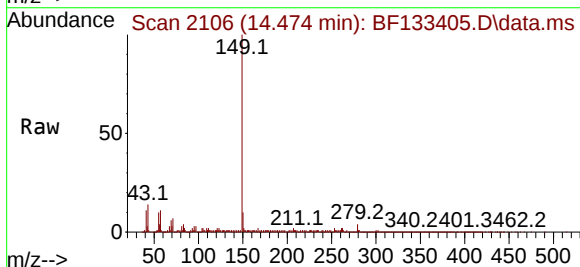
Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MS

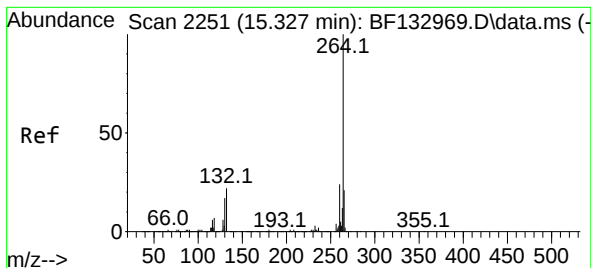
Tgt Ion:149 Resp: 205251
 Ion Ratio Lower Upper
 149 100
 167 28.3 22.5 33.7
 279 4.3 4.2 6.4



#85
 Di-n-octyl phthalate
 Concen: 10.707 ng
 RT: 14.474 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

Tgt Ion:149 Resp: 344219
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.2 1.8#
 43 11.5 9.5 14.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

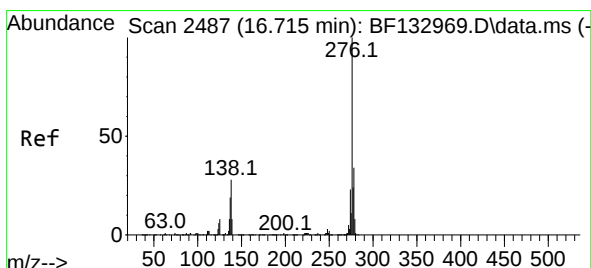
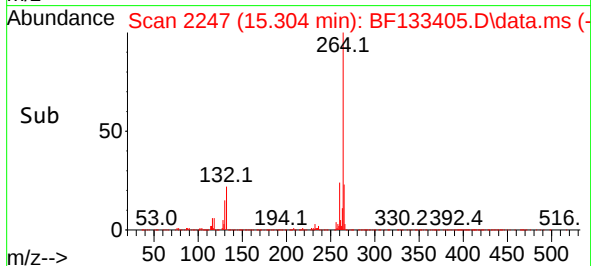
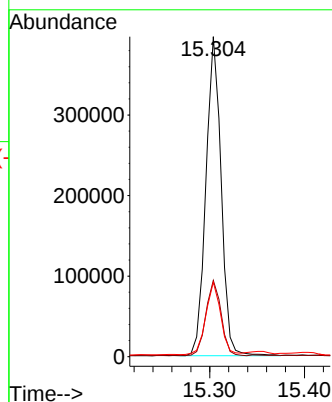
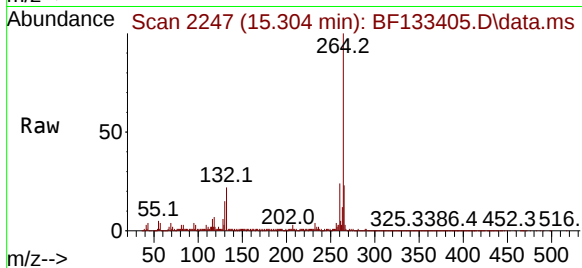
Tgt Ion:264 Resp: 440938

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 23.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.557 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

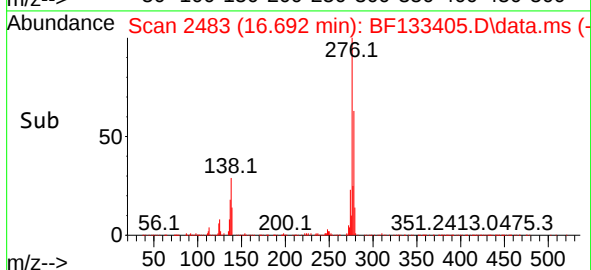
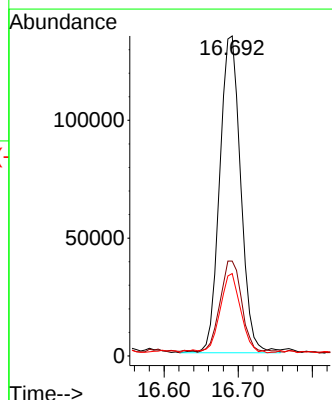
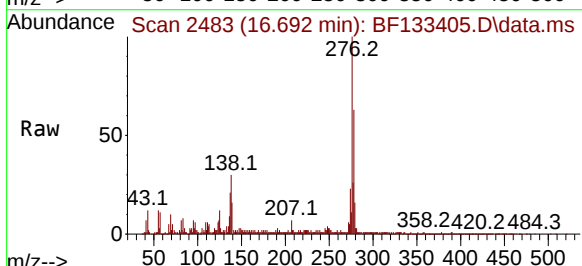
Tgt Ion:276 Resp: 264780

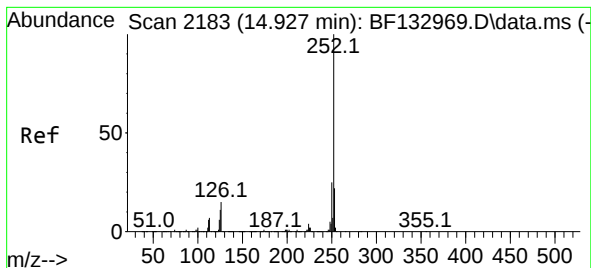
Ion Ratio Lower Upper

276 100

138 30.0 25.5 38.3

277 25.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.318 ng

RT: 14.898 min Scan# 2182

Delta R.T. 0.000 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

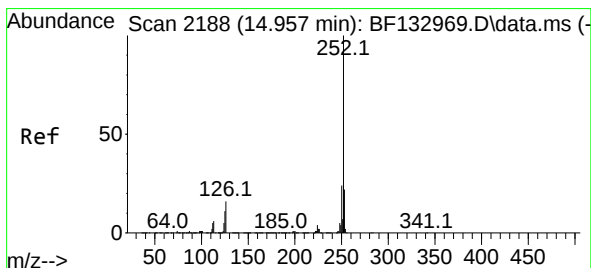
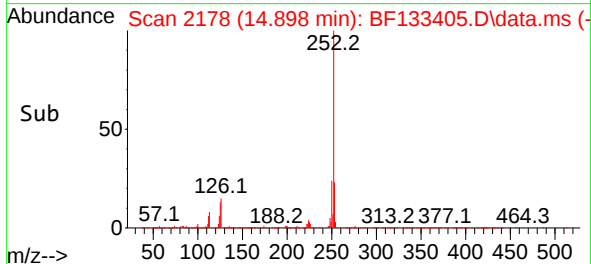
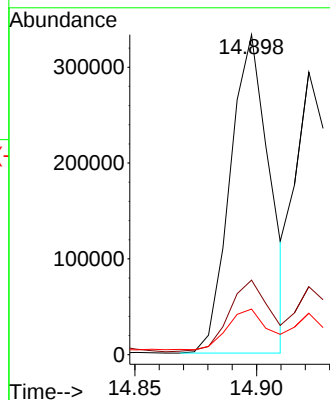
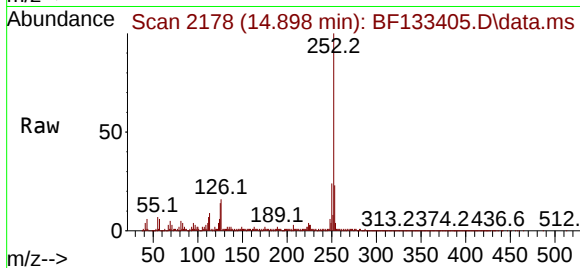
Tgt Ion:252 Resp: 373583

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 14.3 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 10.338 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

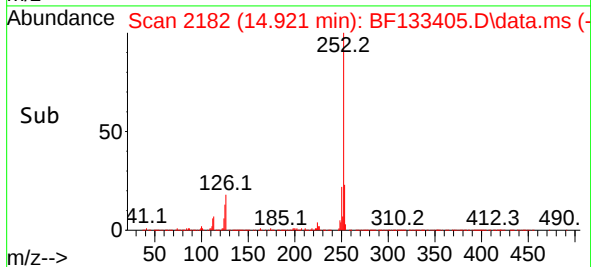
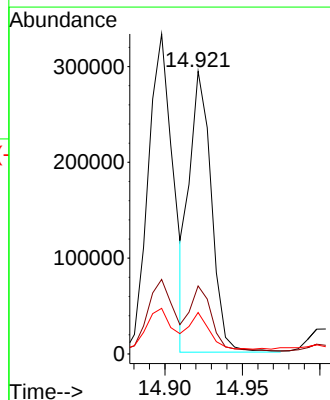
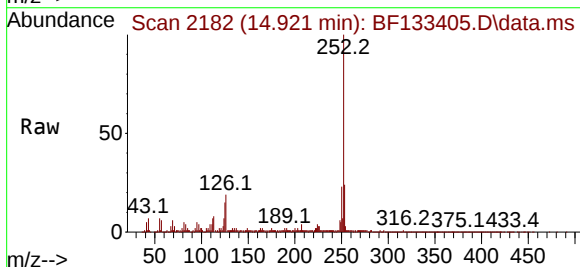
Tgt Ion:252 Resp: 287474

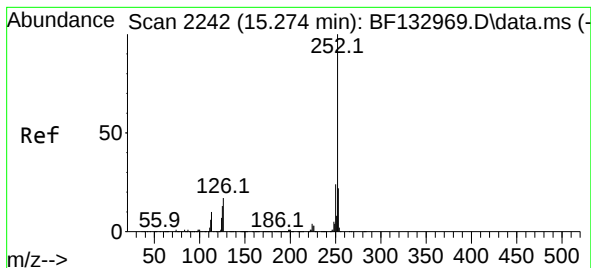
Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 14.6 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 12.013 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

ORA-1639MS

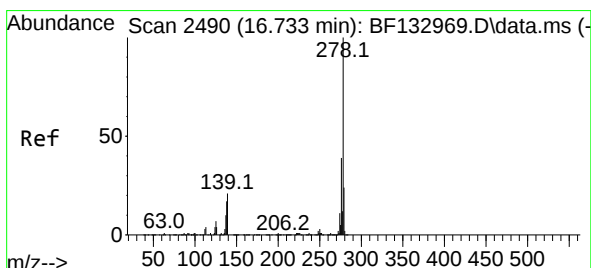
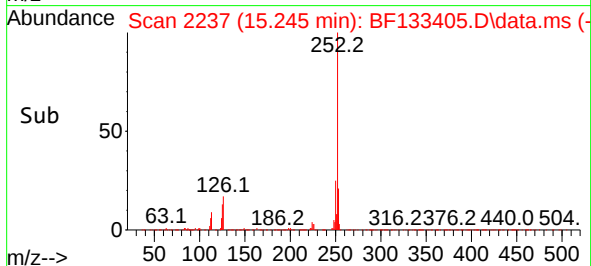
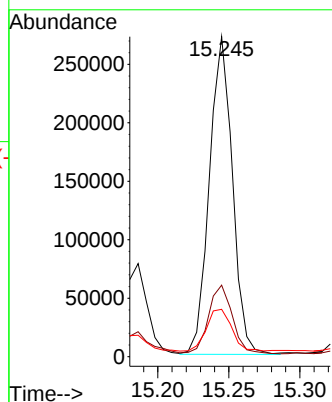
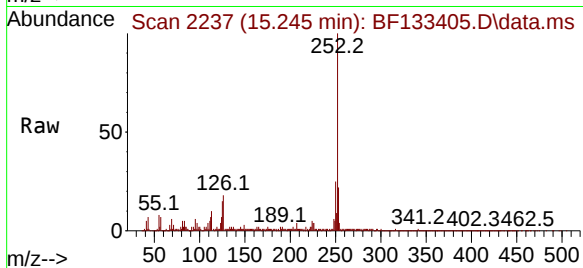
Tgt Ion:252 Resp: 306717

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 14.8 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 8.536 ng

RT: 16.698 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BF133405.D

Acq: 16 May 2023 16:38

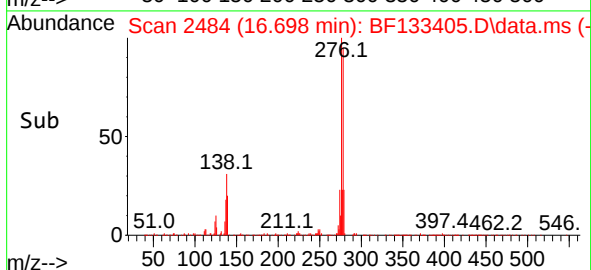
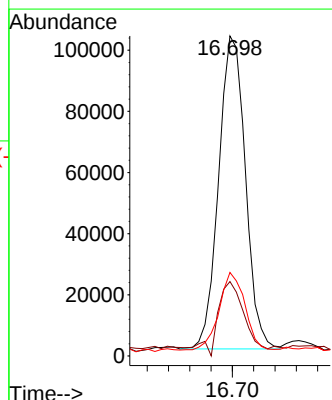
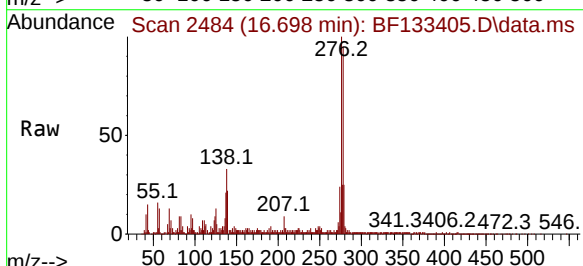
Tgt Ion:278 Resp: 178557

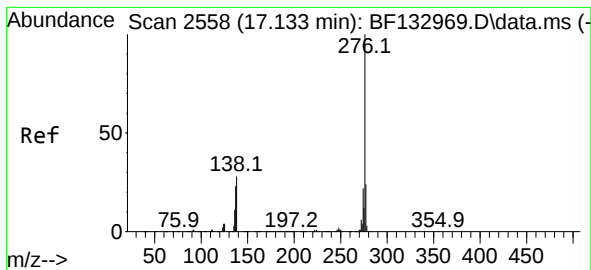
Ion Ratio Lower Upper

278 100

139 23.3 16.6 24.8

279 26.1 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 10.827 ng
 RT: 17.104 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133405.D
 Acq: 16 May 2023 16:38

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MS

Tgt Ion:276 Resp: 223604
 Ion Ratio Lower Upper
 276 100
 277 23.2 19.4 29.0
 138 28.0 22.7 34.1

