

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133406.D
 Acq On : 16 May 2023 17:10
 Operator : CG\JU
 Sample : 02802-01MSD 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MSD

Quant Time: May 16 17:40:07 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	223412	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	818116	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	354729	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	595364	20.000	ng	0.00
76) Chrysene-d12	13.880	240	484873	20.000	ng	0.00
86) Perylene-d12	15.304	264	383886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	259665	17.557	ng	0.00
7) Phenol-d6	6.363	99	314518	17.134	ng	0.00
23) Nitrobenzene-d5	7.281	82	179527	11.845	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	57016	15.982	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	337677	15.926	ng	-0.01
79) Terphenyl-d14	12.822	244	363289	12.922	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.352	88	50890	7.418	ng	96
3) Pyridine	3.063	79	111099	6.098	ng	96
4) n-Nitrosodimethylamine	2.999	42	61729	6.541	ng	# 94
6) Aniline	6.381	93	78145	3.305	ng	# 43
8) 2-Chlorophenol	6.504	128	125999	8.391	ng	98
9) Benzaldehyde	6.263	77	80115	3.753	ng	98
10) Phenol	6.375	94	154899	7.649	ng	93
11) bis(2-Chloroethyl)ether	6.451	93	120771	7.947	ng	97
12) 1,3-Dichlorobenzene	6.657	146	140699	8.813	ng	100
13) 1,4-Dichlorobenzene	6.734	146	141852	8.866	ng	100
14) 1,2-Dichlorobenzene	6.887	146	136116	9.227	ng	98
15) Benzyl Alcohol	6.863	79	97049	7.654	ng	97
16) 2,2'-oxybis(1-Chloropr...	6.998	45	193637	7.336	ng	91
17) 2-Methylphenol	6.987	107	99490	7.236	ng	97
18) Hexachloroethane	7.228	117	41901	7.532	ng	# 87
19) n-Nitroso-di-n-propyla...	7.128	70	87637	7.669	ng	96
20) 3+4-Methylphenols	7.140	107	127700	7.886	ng	# 64
22) Acetophenone	7.128	105	176573	9.317	ng	# 91
24) Nitrobenzene	7.298	77	117839	7.672	ng	97
25) Isophorone	7.540	82	221116	7.684	ng	97
26) 2-Nitrophenol	7.622	139	54686	7.382	ng	92
27) 2,4-Dimethylphenol	7.669	122	109350	8.608	ng	96
28) bis(2-Chloroethoxy)met...	7.757	93	138826	8.155	ng	99
29) 2,4-Dichlorophenol	7.869	162	93763	8.108	ng	98
30) 1,2,4-Trichlorobenzene	7.945	180	104817	8.749	ng	98
31) Naphthalene	8.028	128	360415	8.811	ng	100
32) Benzoic acid	7.769	122	31192	3.975	ng	91
33) 4-Chloroaniline	8.081	127	66794	4.042	ng	98
34) Hexachlorobutadiene	8.145	225	56944	8.576	ng	98
35) Caprolactam	8.416	113	29771	7.664	ng	# 86
36) 4-Chloro-3-methylphenol	8.569	107	91553	7.342	ng	98
37) 2-Methylnaphthalene	8.716	142	222220	7.946	ng	99
38) 1-Methylnaphthalene	8.816	142	210586	8.050	ng	97
40) 1,2,4,5-Tetrachloroben...	8.886	216	88168	9.244	ng	99
43) 2,4,6-Trichlorophenol	8.998	196	54025	8.191	ng	96
44) 2,4,5-Trichlorophenol	9.045	196	55955	7.335	ng	95

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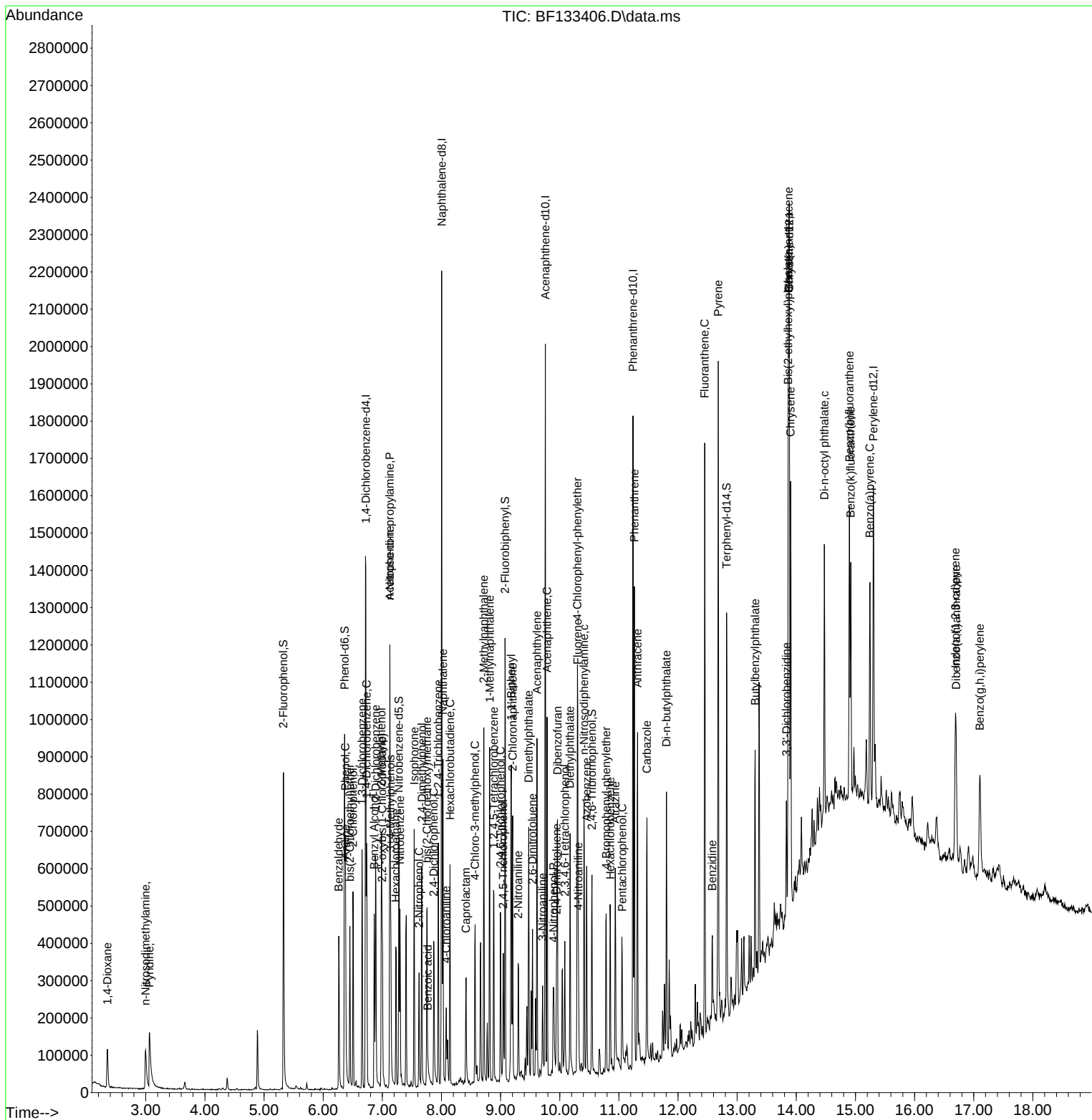
Instrument :
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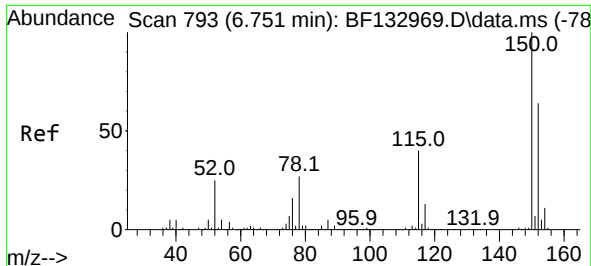
Quant Time: May 16 17:40:07 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.181	154	266458	9.473	ng	98
47) 2-Chloronaphthalene	9.204	162	186637	9.065	ng	97
48) 2-Nitroaniline	9.298	65	54784	8.051	ng	92
49) Acenaphthylene	9.616	152	317246	9.644	ng	99
50) Dimethylphthalate	9.475	163	219241	8.864	ng	98
51) 2,6-Dinitrotoluene	9.539	165	41471	7.449	ng	91
52) Acenaphthene	9.786	154	185223	8.407	ng	99
53) 3-Nitroaniline	9.710	138	42929	6.485	ng	96
55) Dibenzofuran	9.963	168	260086	8.654	ng	99
56) 4-Nitrophenol	9.892	139	55197	10.766	ng	89
57) 2,4-Dinitrotoluene	9.945	165	49841	7.020	ng	98
58) Fluorene	10.304	166	215208	9.774	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.086	232	41240	6.973	ng	# 98
60) Diethylphthalate	10.175	149	200460	8.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.298	204	93110	8.677	ng	99
62) 4-Nitroaniline	10.316	138	48032	7.895	ng	96
63) Azobenzene	10.457	77	183118	7.399	ng	94
66) n-Nitrosodiphenylamine	10.410	169	167278	8.662	ng	99
67) 4-Bromophenyl-phenylether	10.786	248	51303	7.945	ng	98
68) Hexachlorobenzene	10.857	284	54508	8.238	ng	96
69) Atrazine	10.939	200	55461	9.967	ng	99
70) Pentachlorophenol	11.057	266	48008	10.188	ng	98
71) Phenanthrene	11.263	178	434129	13.567	ng	99
72) Anthracene	11.316	178	336223	10.267	ng	100
73) Carbazole	11.475	167	268606	9.212	ng	98
74) Di-n-butylphthalate	11.804	149	310231	9.401	ng	99
75) Fluoranthene	12.451	202	576411	17.949	ng	98
77) Benzidine	12.580	184	108105	13.184	ng	# 94
78) Pyrene	12.680	202	652272	15.693	ng	100
80) Butylbenzylphthalate	13.304	149	140287	9.532	ng	99
81) Benzo(a)anthracene	13.868	228	418308	12.546	ng	100
82) 3,3'-Dichlorobenzidine	13.833	252	69748	7.572	ng	97
83) Chrysene	13.904	228	402909	12.087	ng	98
84) Bis(2-ethylhexyl)phtha...	13.863	149	205124	11.104	ng	# 98
85) Di-n-octyl phthalate	14.474	149	332126	11.027	ng	100
87) Indeno(1,2,3-cd)pyrene	16.692	276	233427	10.690	ng	98
88) Benzo(b)fluoranthene	14.898	252	332404	13.611	ng	# 98
89) Benzo(k)fluoranthene	14.921	252	252150	10.415	ng	# 94
90) Benzo(a)pyrene	15.245	252	266281	11.979	ng	98
91) Dibenzo(a,h)anthracene	16.704	278	159024	8.732	ng	98
92) Benzo(g,h,i)perylene	17.104	276	205128	11.408	ng	98

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

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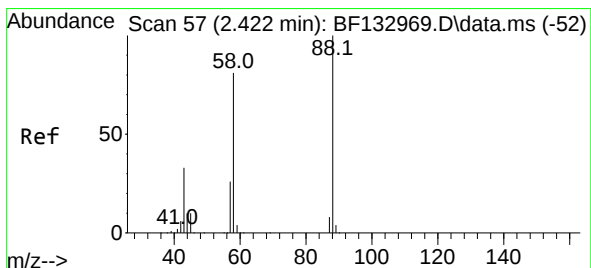
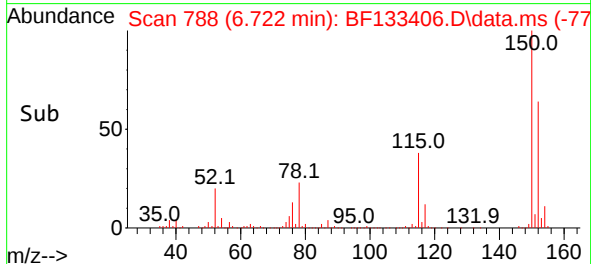
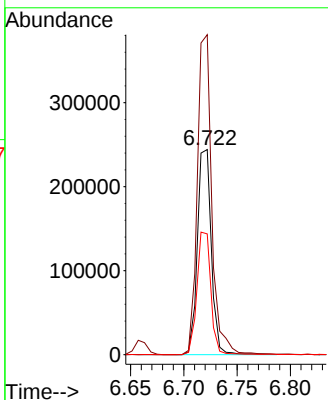
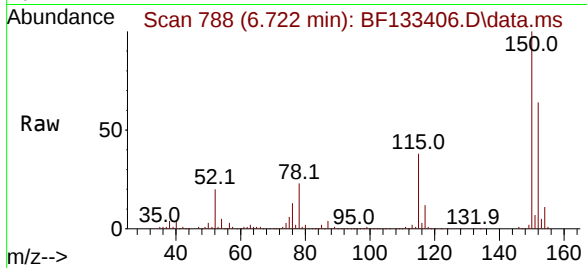




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133406.D
 Acq: 16 May 2023 17:10

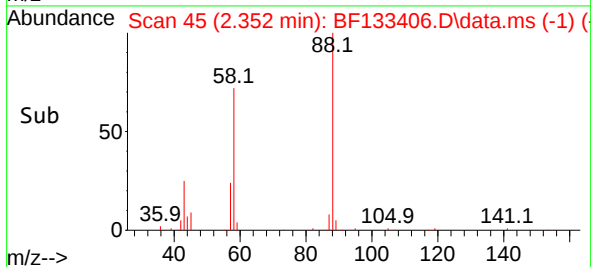
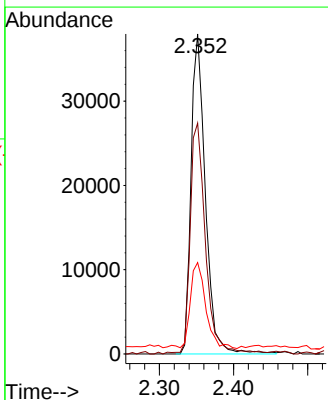
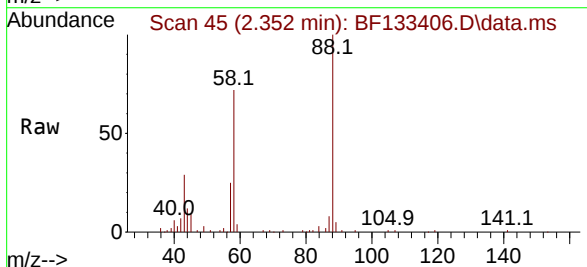
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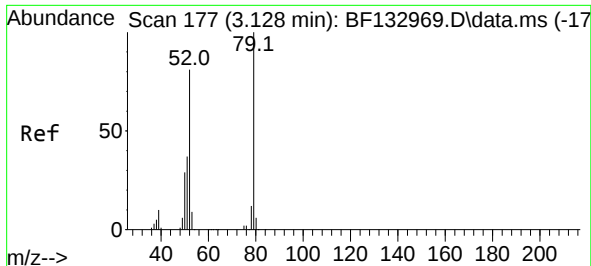
Tgt Ion:152 Resp: 223412
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.8 187.2
 115 58.9 49.9 74.9



#2
 1,4-Dioxane
 Concen: 7.418 ng
 RT: 2.352 min Scan# 45
 Delta R.T. -0.018 min
 Lab File: BF133406.D
 Acq: 16 May 2023 17:10

Tgt Ion: 88 Resp: 50890
 Ion Ratio Lower Upper
 88 100
 58 77.5 64.7 97.1
 43 29.3 26.2 39.2





#3

Pyridine

Concen: 6.098 ng

RT: 3.063 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

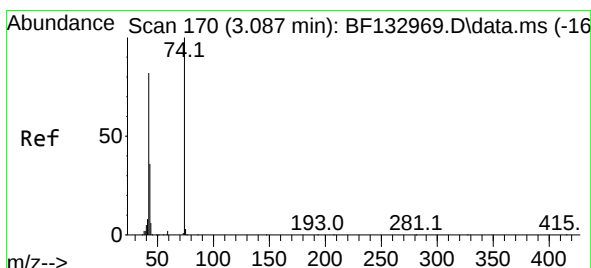
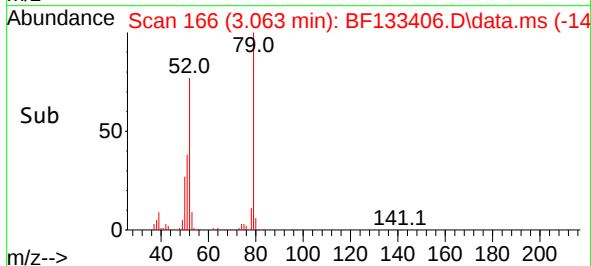
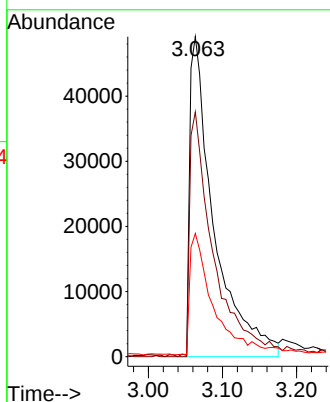
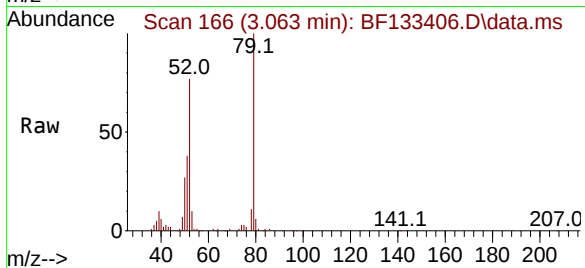
Tgt Ion: 79 Resp: 111099

Ion Ratio Lower Upper

79 100

52 76.5 64.6 96.8

51 38.5 30.0 45.0



#4

n-Nitrosodimethylamine

Concen: 6.541 ng

RT: 2.999 min Scan# 155

Delta R.T. -0.029 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

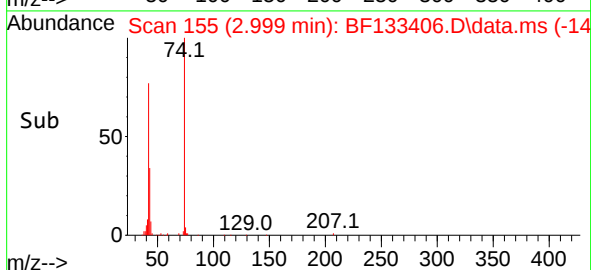
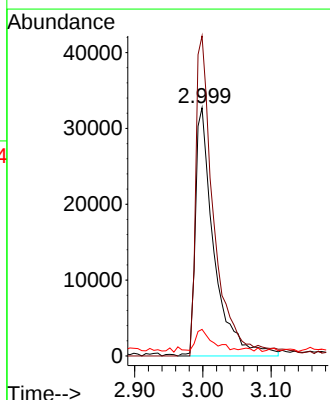
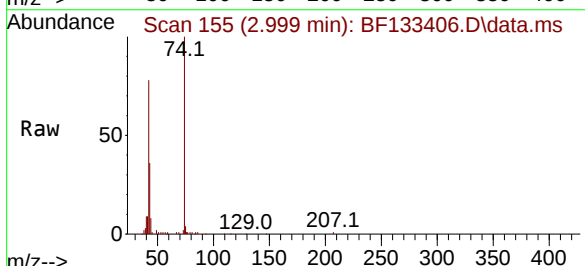
Tgt Ion: 42 Resp: 61729

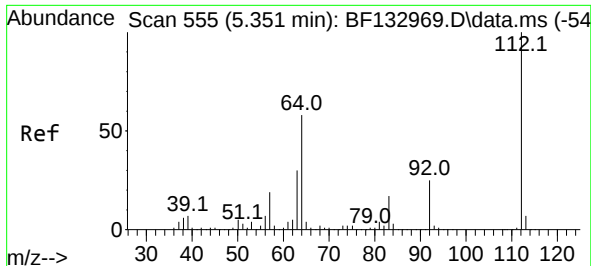
Ion Ratio Lower Upper

42 100

74 129.0 98.0 147.0

44 10.7 5.8 8.8#

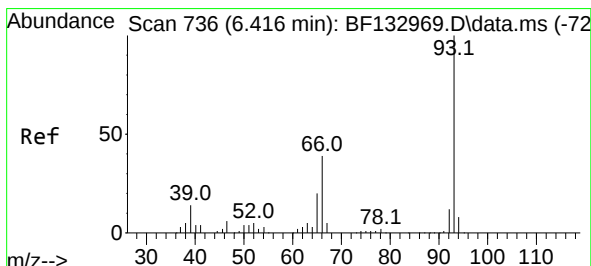
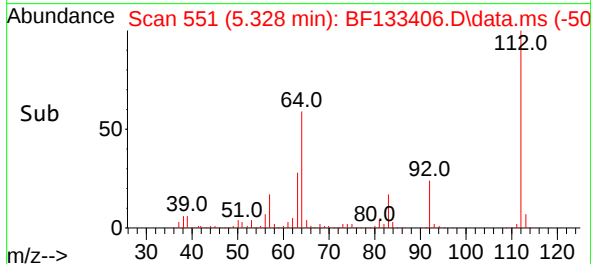
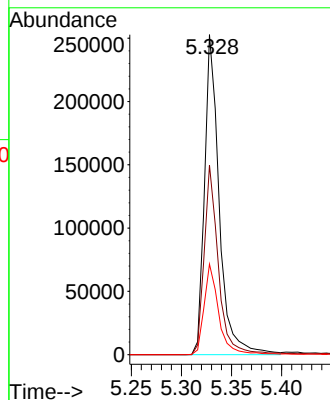
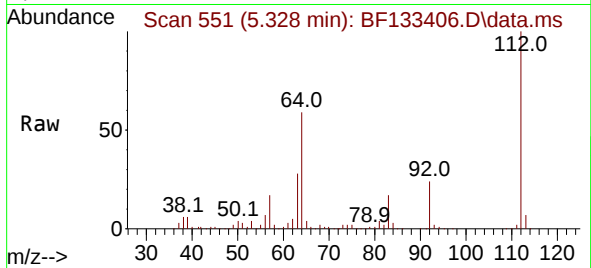




#5
2-Fluorophenol
Concen: 17.557 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

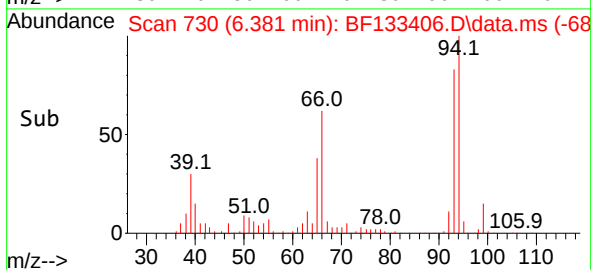
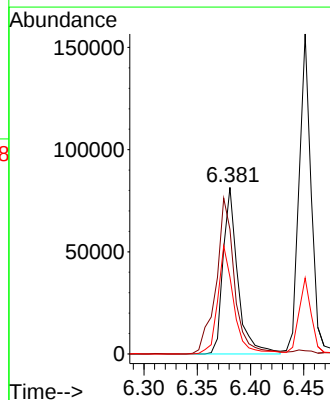
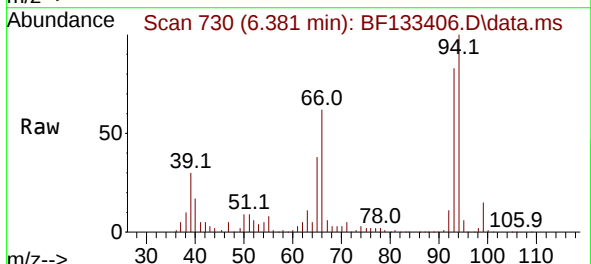
Instrument :
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Tgt Ion:112 Resp: 259665
Ion Ratio Lower Upper
112 100
64 59.2 46.8 70.2
63 28.3 23.8 35.8



#6
Aniline
Concen: 3.305 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion: 93 Resp: 78145
Ion Ratio Lower Upper
93 100
66 74.8 31.5 47.3#
65 46.1 16.4 24.6#





#7

Phenol-d6

Concen: 17.134 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

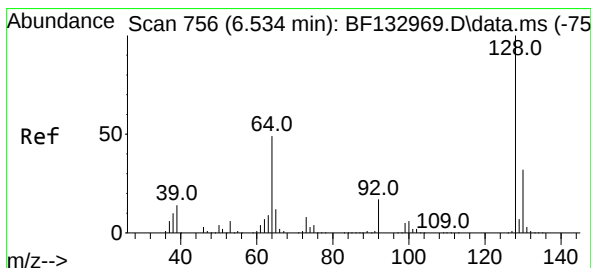
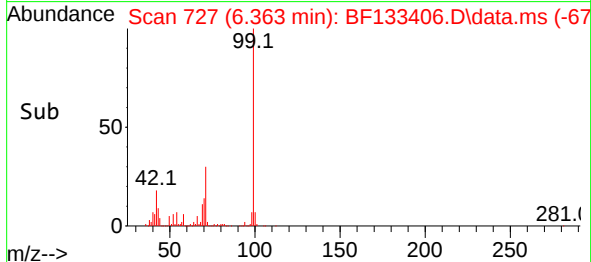
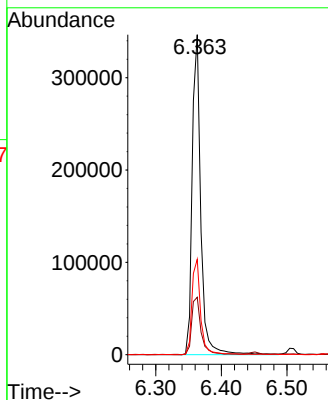
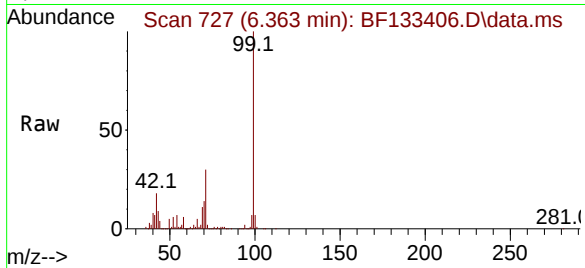
Tgt Ion: 99 Resp: 314518

Ion Ratio Lower Upper

99 100

42 18.0 16.3 24.5

71 29.8 25.6 38.4



#8

2-Chlorophenol

Concen: 8.391 ng

RT: 6.504 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

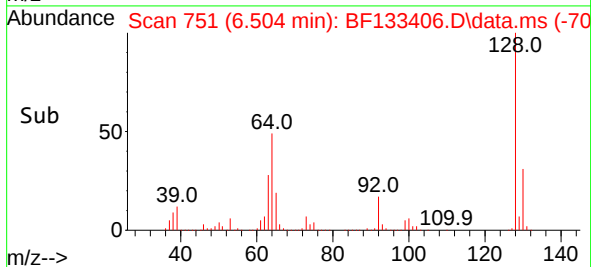
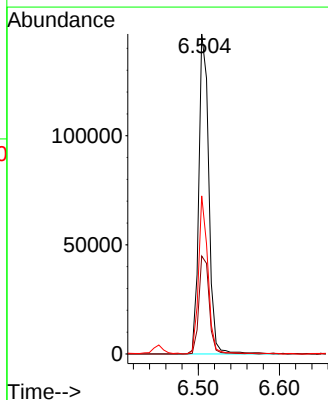
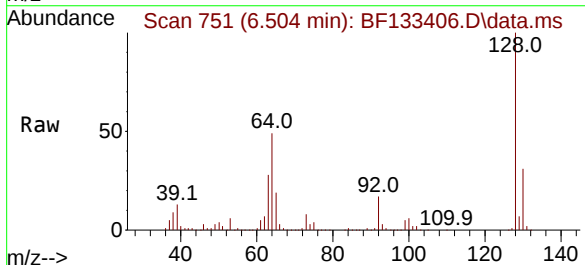
Tgt Ion:128 Resp: 125999

Ion Ratio Lower Upper

128 100

130 30.6 12.2 52.2

64 49.4 30.3 70.3

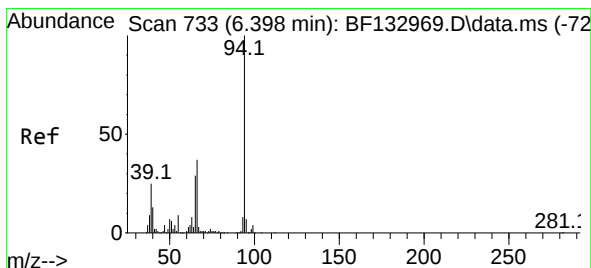
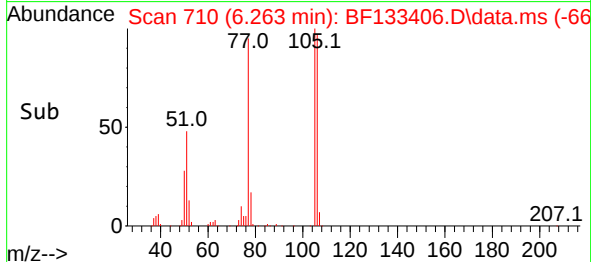
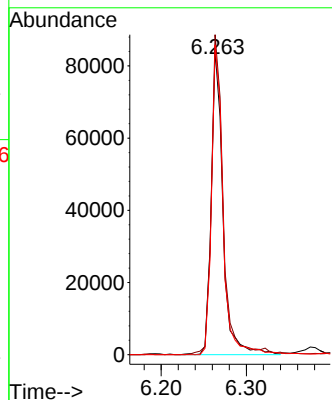
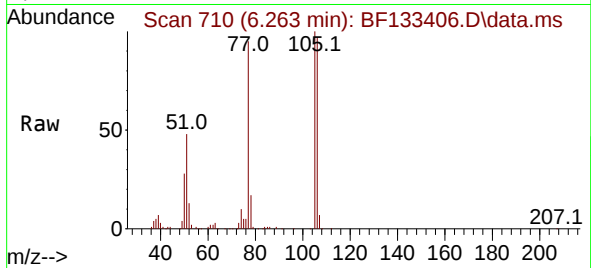




#9
Benzaldehyde
Concen: 3.753 ng
RT: 6.263 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

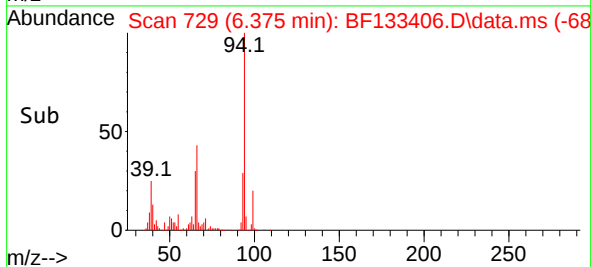
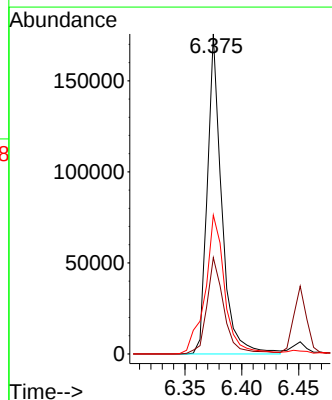
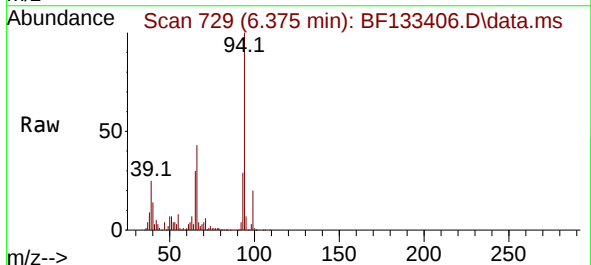
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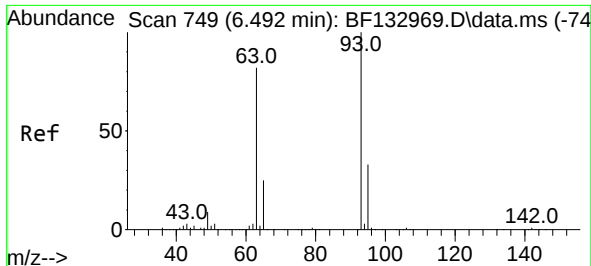
Tgt Ion: 77 Resp: 80115
Ion Ratio Lower Upper
77 100
105 105.1 82.3 122.3
106 101.8 80.8 120.8



#10
Phenol
Concen: 7.649 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion: 94 Resp: 154899
Ion Ratio Lower Upper
94 100
65 30.1 8.6 48.6
66 43.4 17.3 57.3





#11

bis(2-Chloroethyl)ether

Concen: 7.947 ng

RT: 6.451 min Scan# 749

Delta R.T. -0.012 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

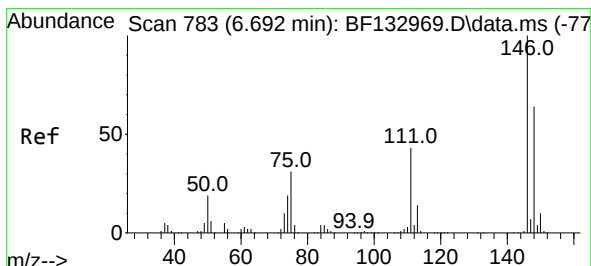
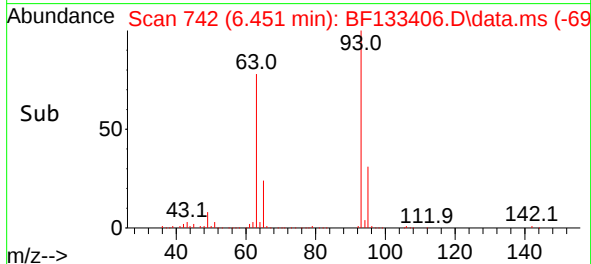
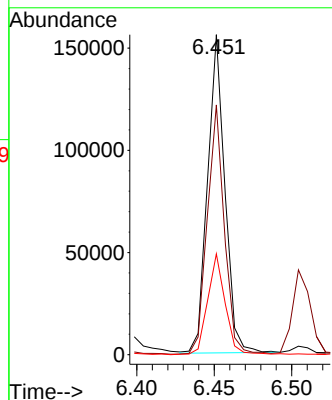
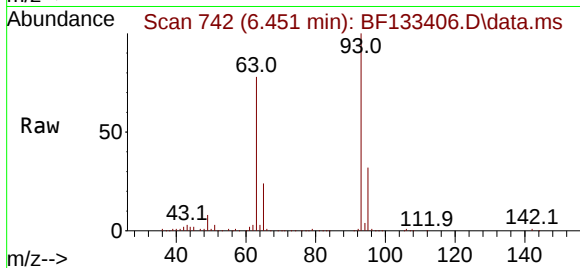
Tgt Ion: 93 Resp: 120771

Ion Ratio Lower Upper

93 100

63 78.0 60.6 100.6

95 31.5 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 8.813 ng

RT: 6.657 min Scan# 777

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

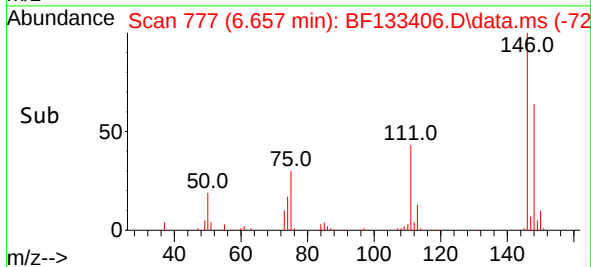
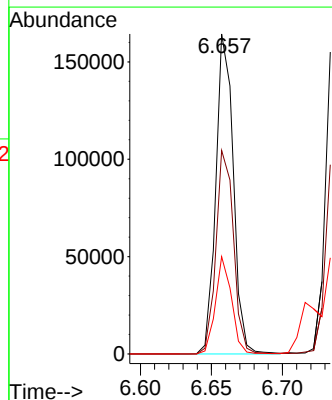
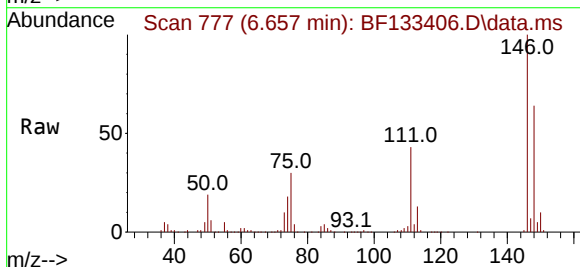
Tgt Ion:146 Resp: 140699

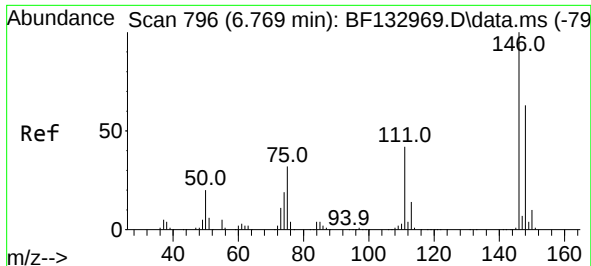
Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.4

75 30.4 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 8.866 ng

RT: 6.734 min Scan# 796

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

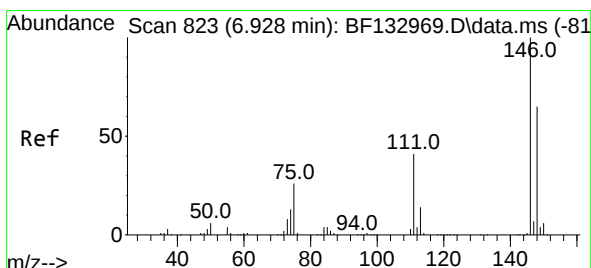
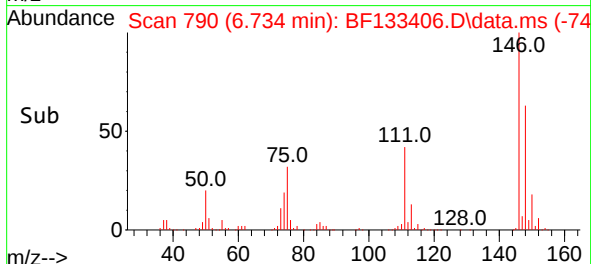
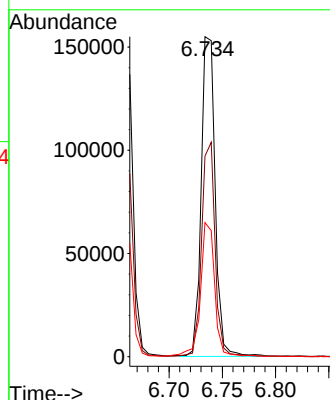
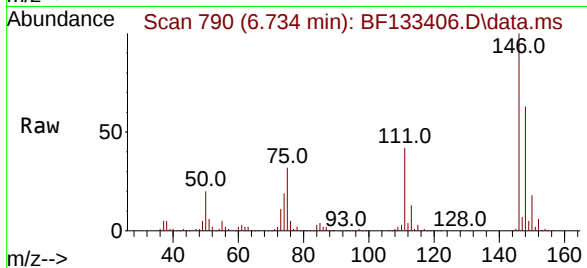
Tgt Ion:146 Resp: 141852

Ion Ratio Lower Upper

146 100

148 62.7 50.3 75.5

111 41.9 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 9.227 ng

RT: 6.887 min Scan# 816

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

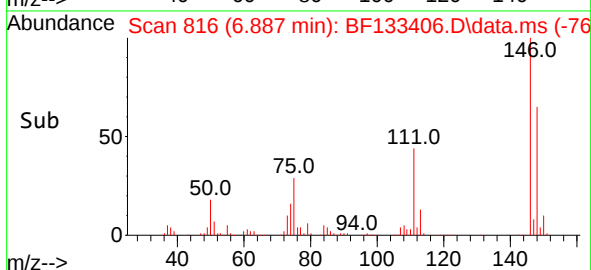
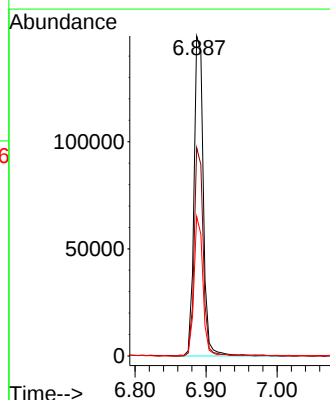
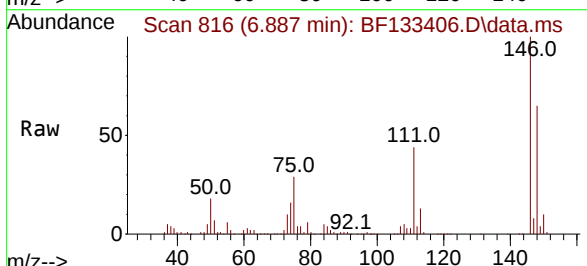
Tgt Ion:146 Resp: 136116

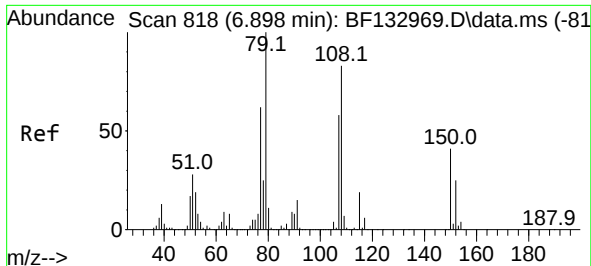
Ion Ratio Lower Upper

146 100

148 65.1 52.2 78.2

111 43.6 32.8 49.2

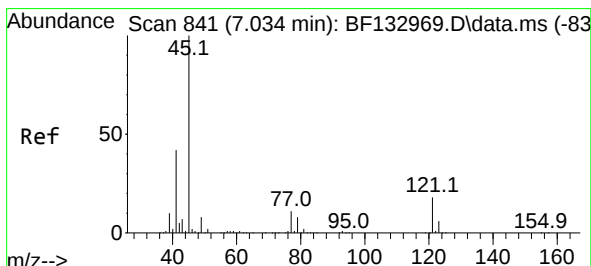
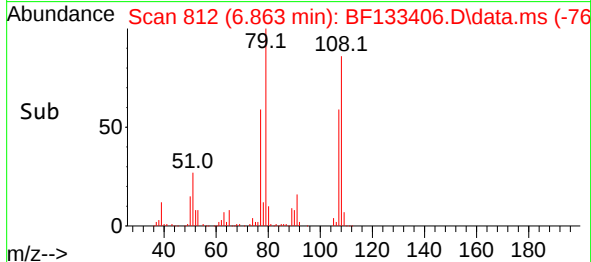
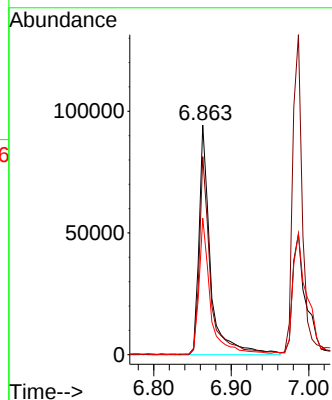
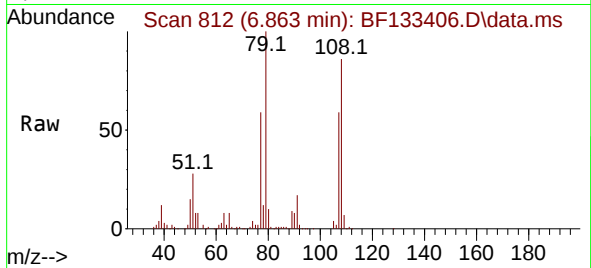




#15
Benzyl Alcohol
Concen: 7.654 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

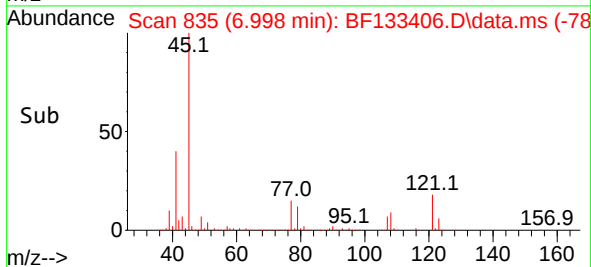
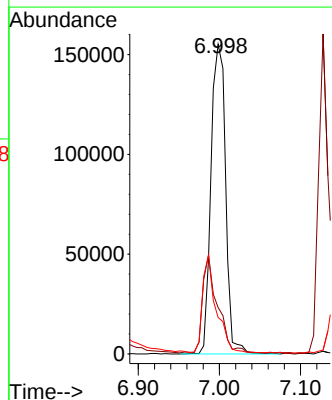
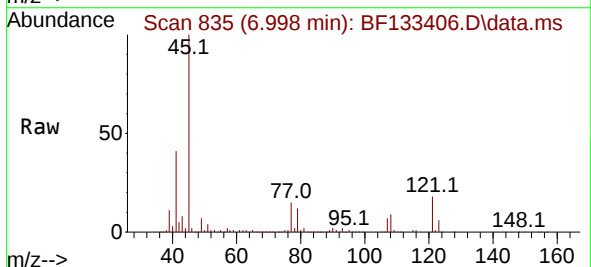
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

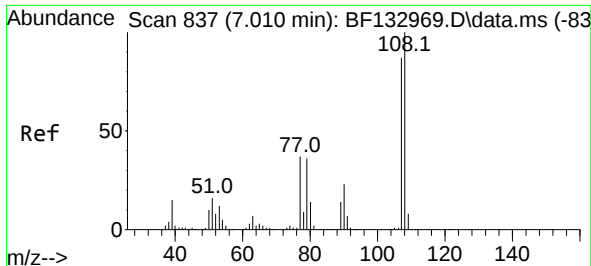
Tgt Ion: 79 Resp: 97049
Ion Ratio Lower Upper
79 100
108 86.2 66.6 99.8
77 59.4 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.336 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion: 45 Resp: 193637
Ion Ratio Lower Upper
45 100
77 15.0 0.0 31.5
79 11.8 0.0 28.7

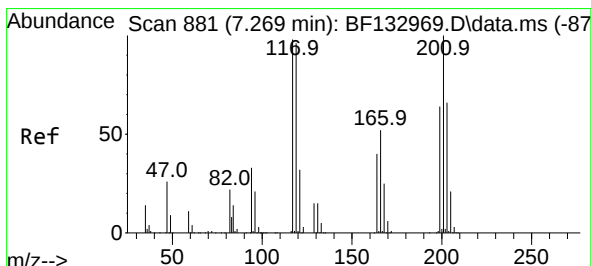
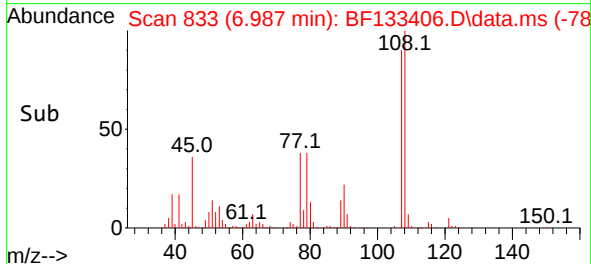
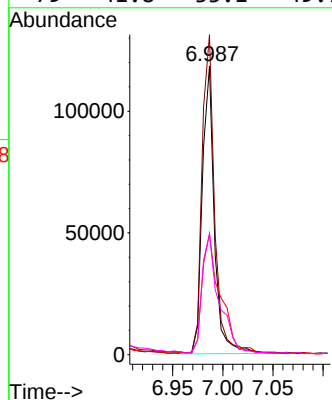
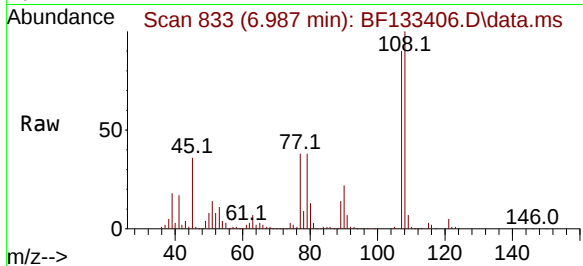




#17
2-Methylphenol
Concen: 7.236 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

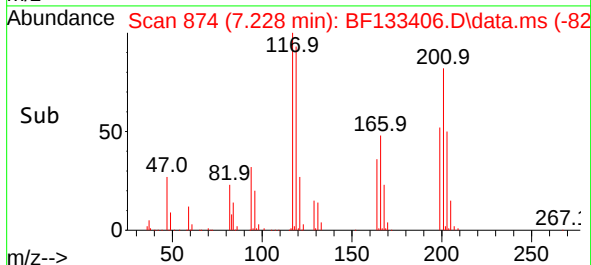
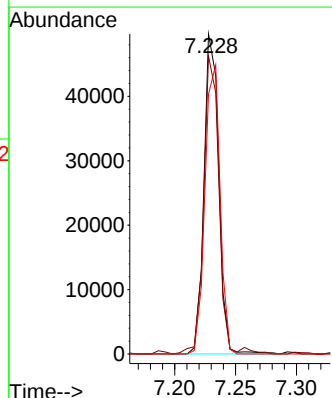
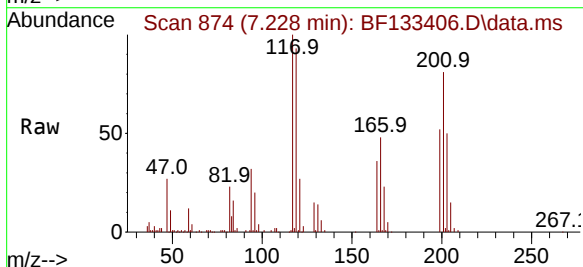
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

Tgt Ion:	107	Resp:	99490
Ion	Ratio	Lower	Upper
107	100		
108	110.9	92.4	138.6
77	41.9	33.8	50.8
79	41.8	33.1	49.7



#18
Hexachloroethane
Concen: 7.532 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:	117	Resp:	41901
Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.2	117.4
201	81.2	81.7	122.5#





#19

n-Nitroso-di-n-propylamine

Concen: 7.669 ng

RT: 7.128 min Scan# 857

Delta R.T. -0.018 min

Lab File: BF133406.D

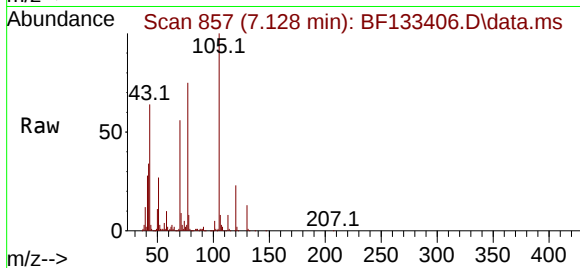
Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD



Tgt Ion: 70 Resp: 87637

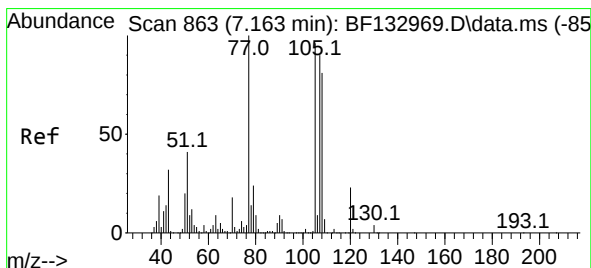
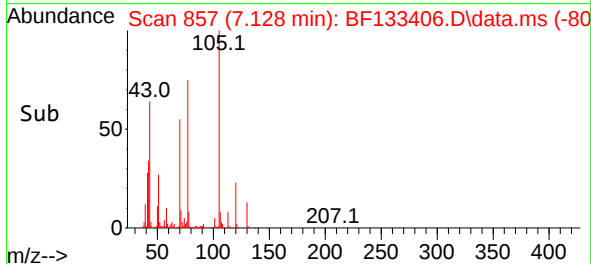
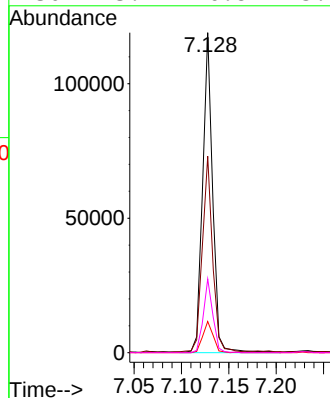
Ion Ratio Lower Upper

70 100

42 61.4 51.8 77.6

101 9.7 8.0 12.0

130 23.1 16.8 25.2



#20

3+4-Methylphenols

Concen: 7.886 ng

RT: 7.140 min Scan# 859

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Tgt Ion: 107 Resp: 127700

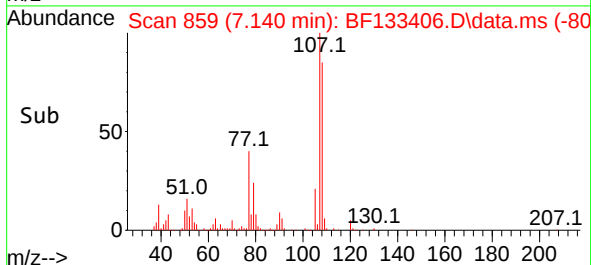
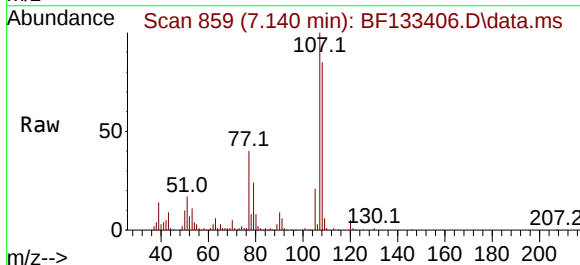
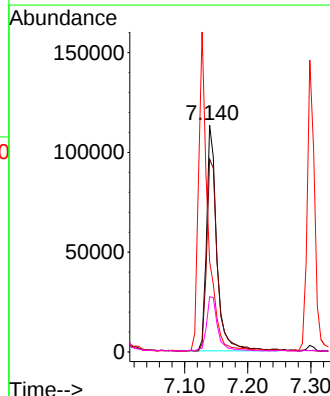
Ion Ratio Lower Upper

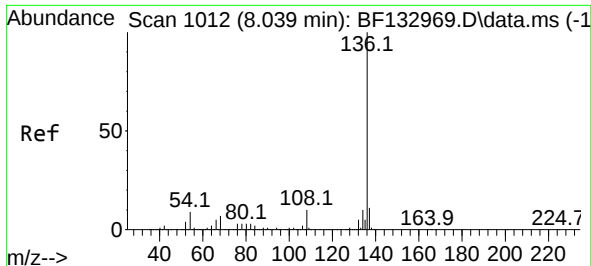
107 100

108 85.0 70.5 110.5

77 39.8 91.7 131.7#

79 24.3 7.1 47.1

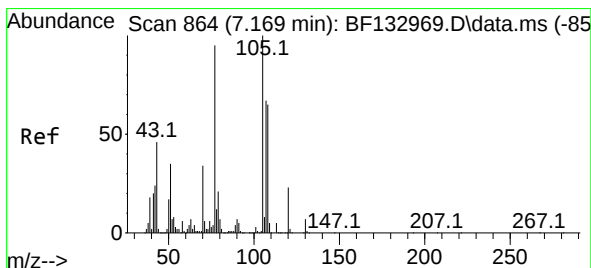
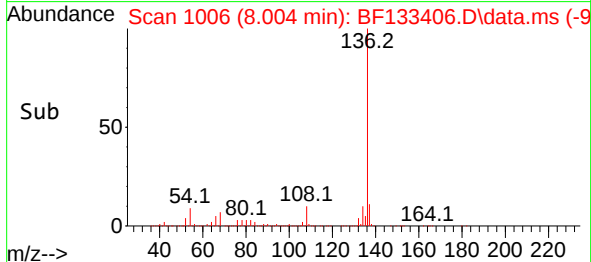
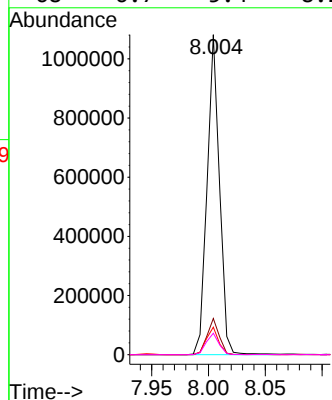
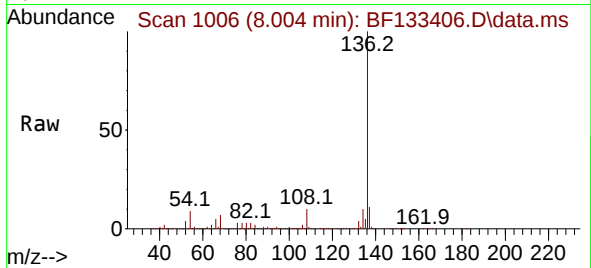




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

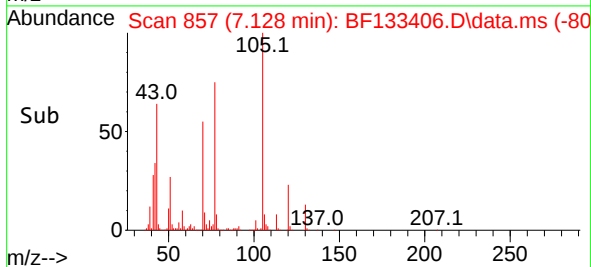
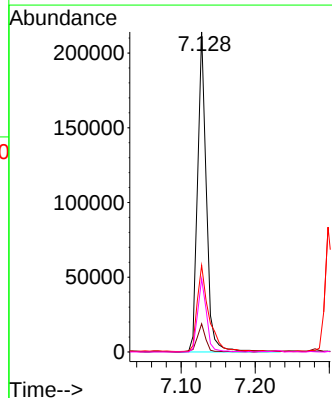
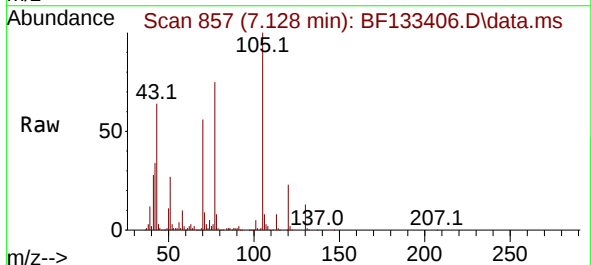
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

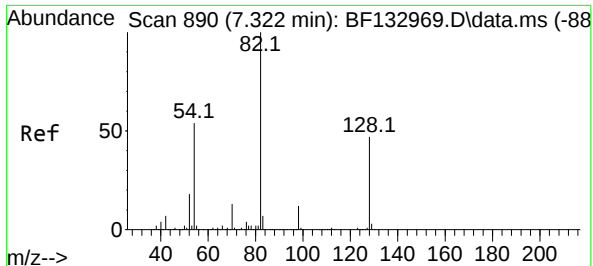
Tgt Ion:136 Resp: 818116
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.6 7.0 10.4
68 6.7 5.4 8.2



#22
Acetophenone
Concen: 9.317 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:105 Resp: 176573
Ion Ratio Lower Upper
105 100
71 8.8 4.6 7.0#
51 27.1 28.2 42.2#
120 22.9 18.4 27.6





#23

Nitrobenzene-d5

Concen: 11.845 ng

RT: 7.281 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

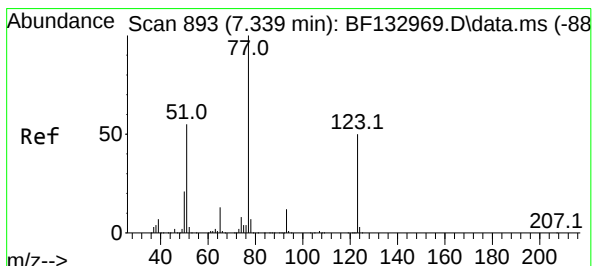
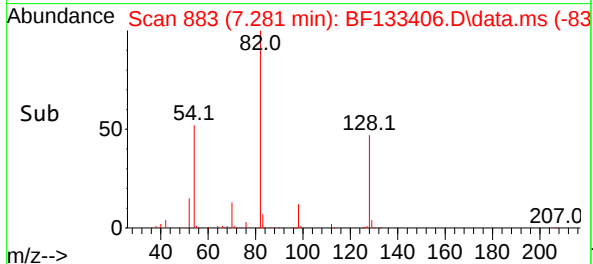
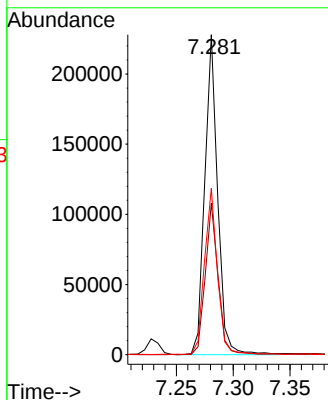
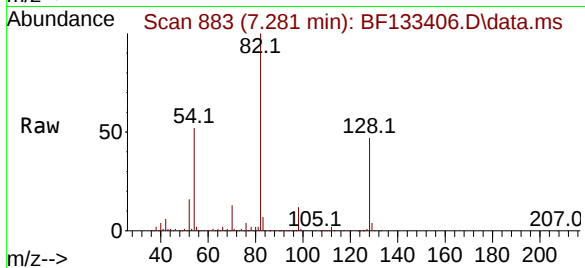
Tgt Ion: 82 Resp: 179527

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 52.0 43.0 64.4



#24

Nitrobenzene

Concen: 7.672 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

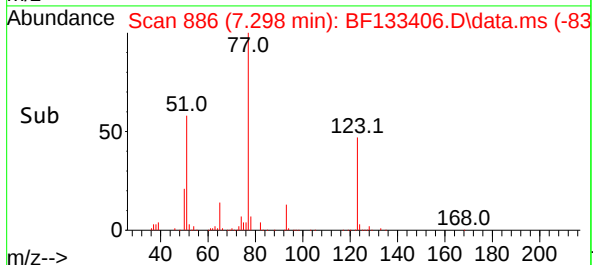
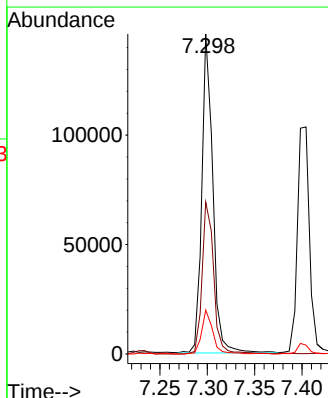
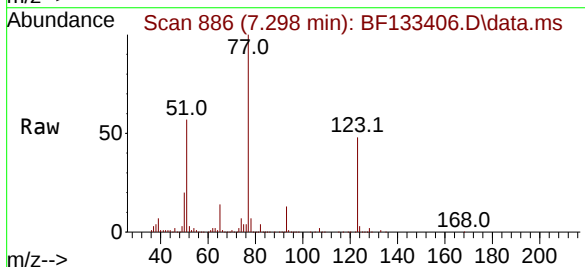
Tgt Ion: 77 Resp: 117839

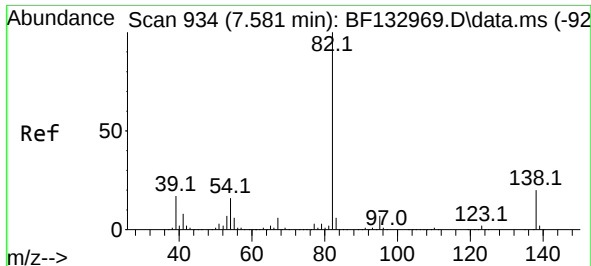
Ion Ratio Lower Upper

77 100

123 47.5 39.9 59.9

65 13.7 10.7 16.1

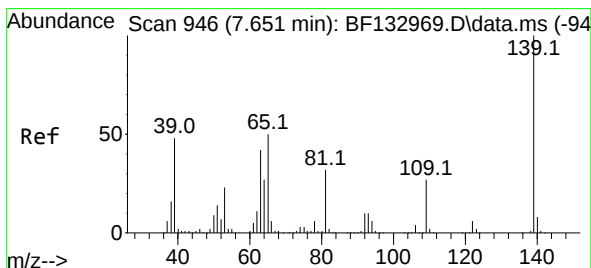
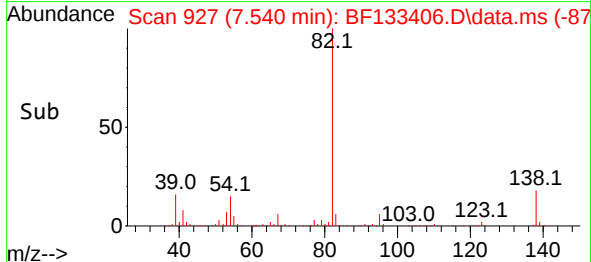
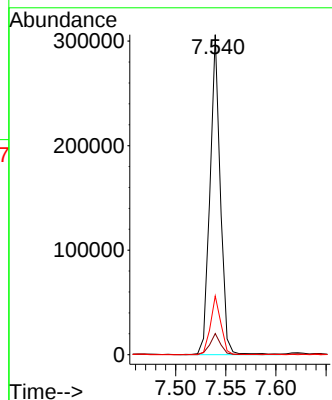
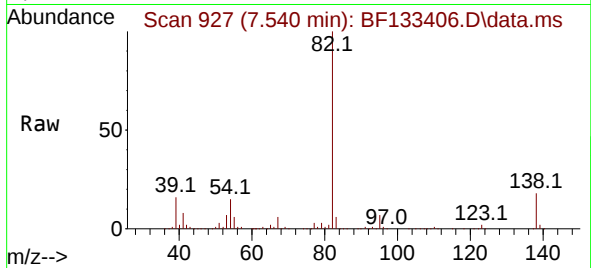




#25
Isophorone
Concen: 7.684 ng
RT: 7.540 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

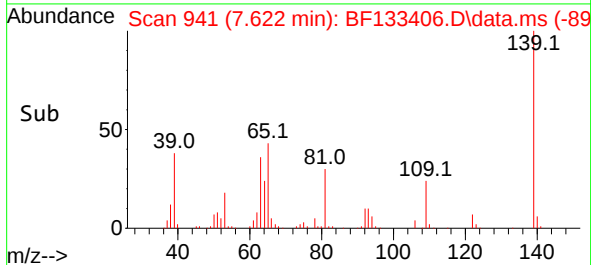
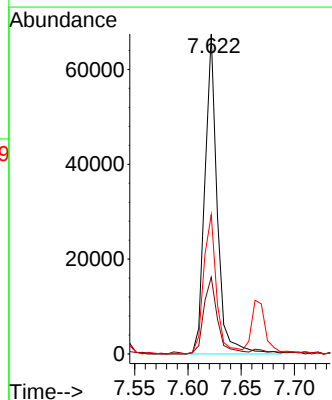
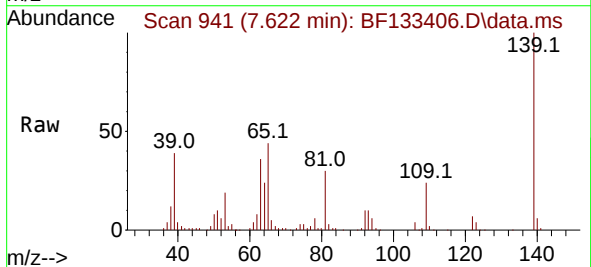
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

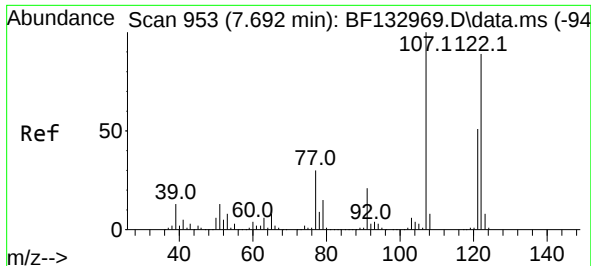
Tgt Ion: 82 Resp: 221116
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 18.4 16.0 24.0



#26
2-Nitrophenol
Concen: 7.382 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion: 139 Resp: 54686
Ion Ratio Lower Upper
139 100
109 24.0 21.6 32.4
65 43.5 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 8.608 ng

RT: 7.669 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

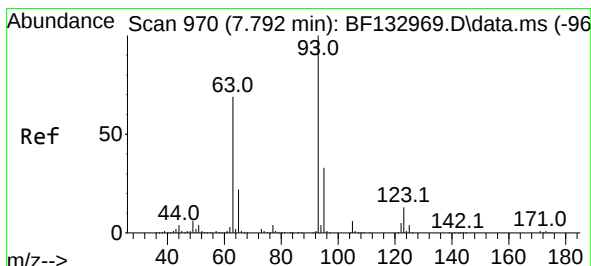
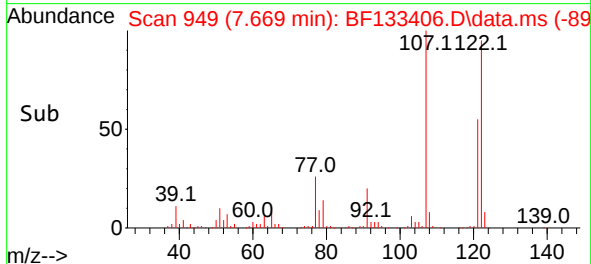
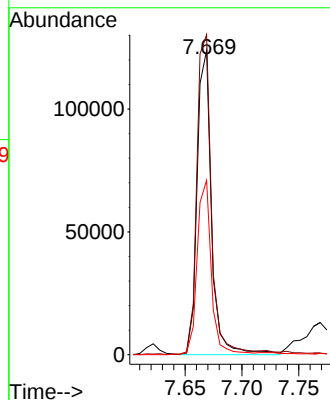
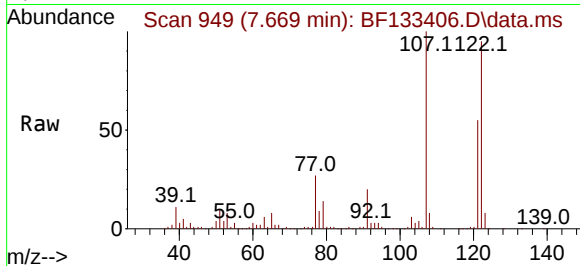
Tgt Ion:122 Resp: 109350

Ion Ratio Lower Upper

122 100

107 105.2 89.7 134.5

121 57.3 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 8.155 ng

RT: 7.757 min Scan# 964

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

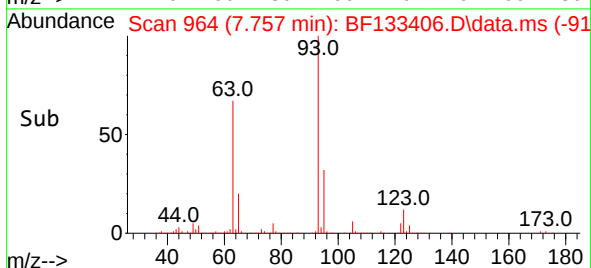
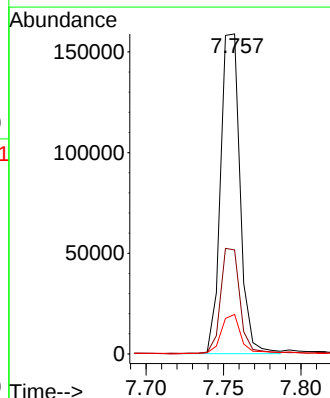
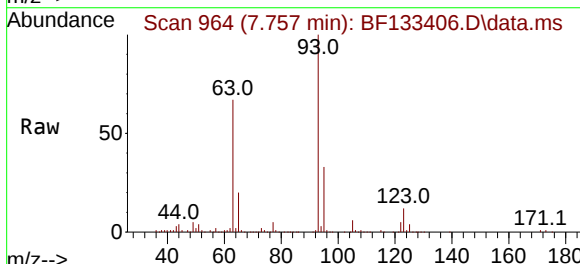
Tgt Ion: 93 Resp: 138826

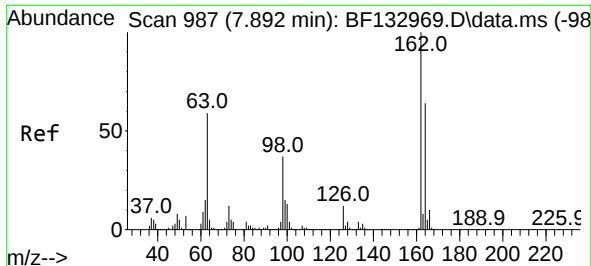
Ion Ratio Lower Upper

93 100

95 32.5 26.4 39.6

123 12.4 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 8.108 ng

RT: 7.869 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

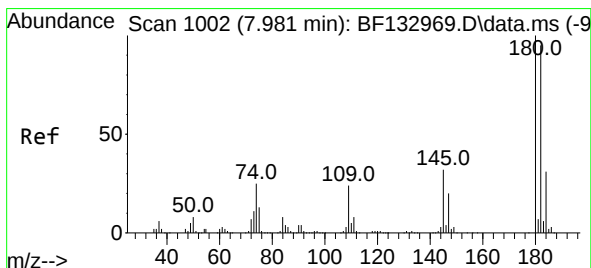
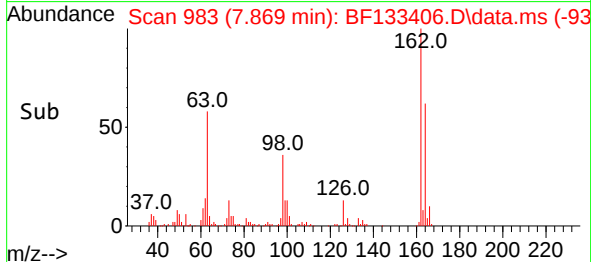
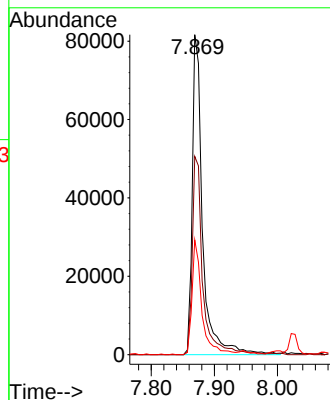
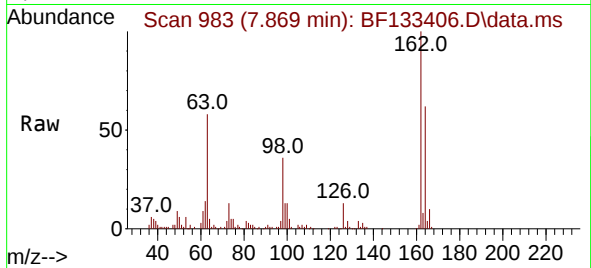
Tgt Ion:162 Resp: 93763

Ion Ratio Lower Upper

162 100

164 62.0 43.9 83.9

98 35.9 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 8.749 ng

RT: 7.945 min Scan# 996

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

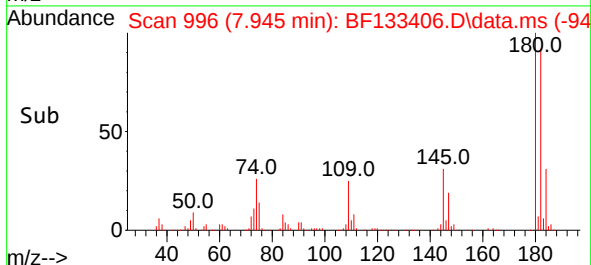
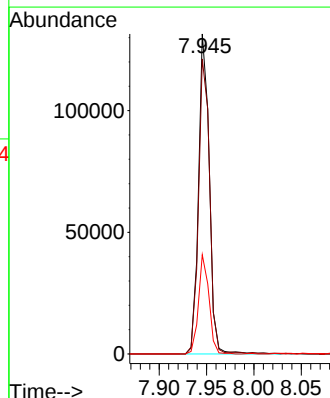
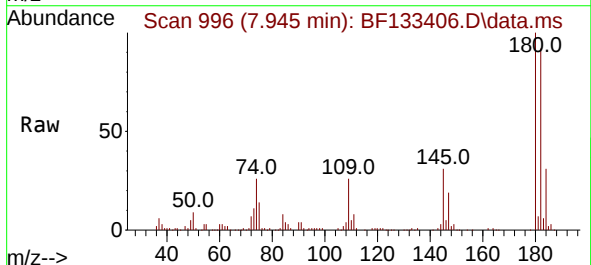
Tgt Ion:180 Resp: 104817

Ion Ratio Lower Upper

180 100

182 92.2 75.9 113.9

145 31.0 25.3 37.9

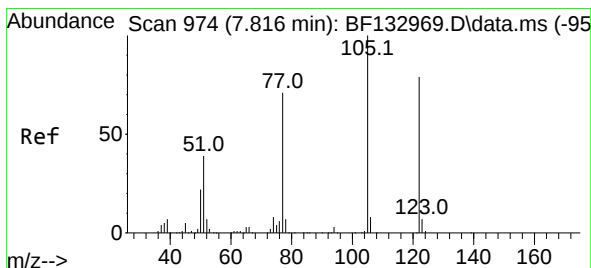
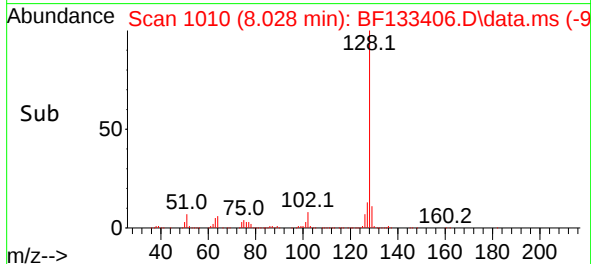
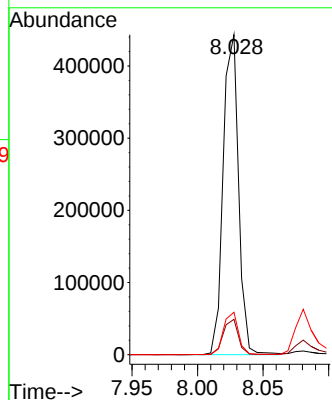
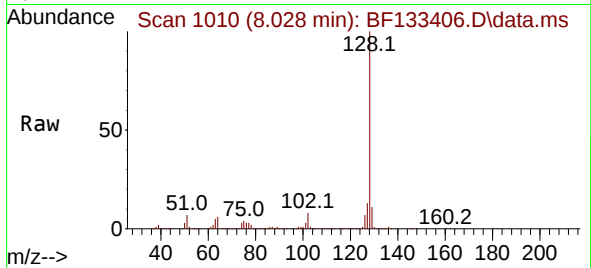




#31
Naphthalene
Concen: 8.811 ng
RT: 8.028 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

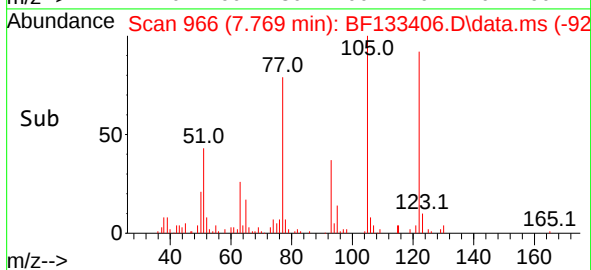
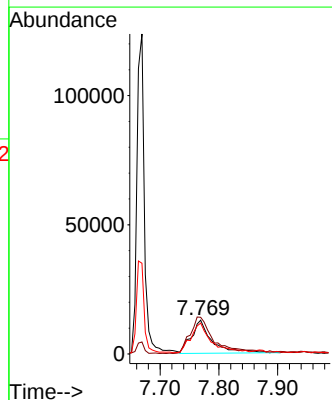
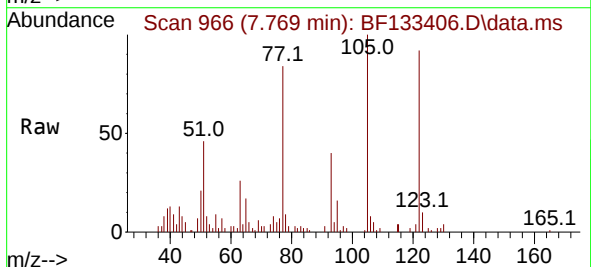
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

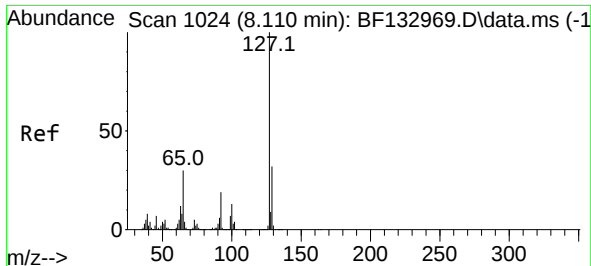
Tgt Ion:128 Resp: 360415
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 3.975 ng
RT: 7.769 min Scan# 966
Delta R.T. -0.035 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:122 Resp: 31192
Ion Ratio Lower Upper
122 100
105 108.3 104.2 144.2
77 91.4 69.7 109.7

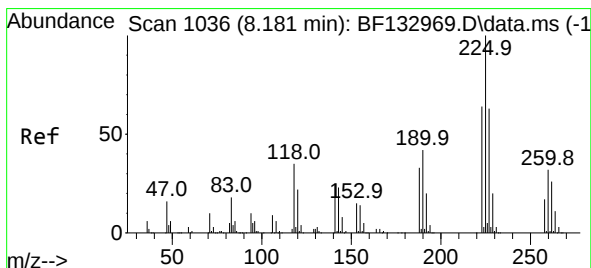
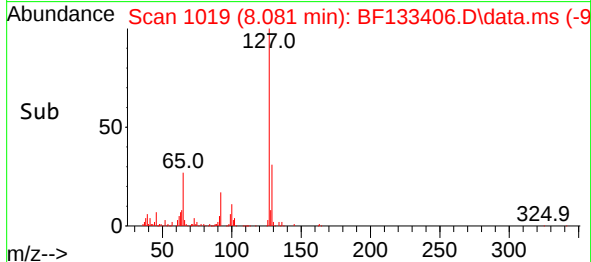
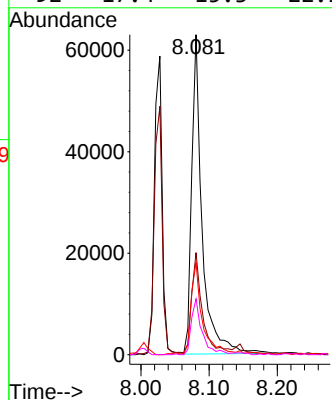
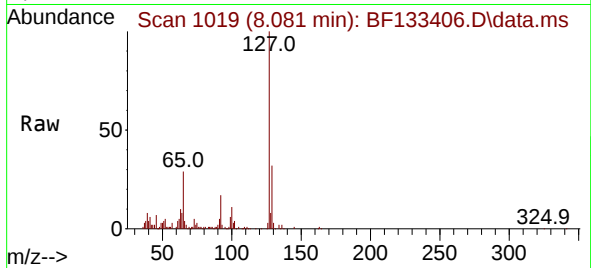




#33
4-Chloroaniline
Concen: 4.042 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

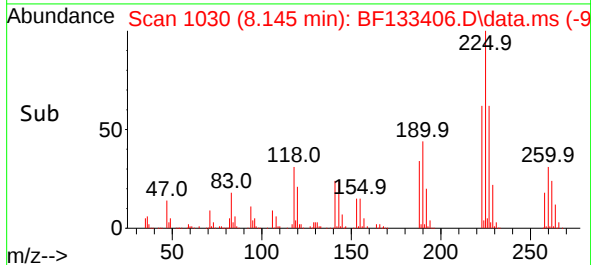
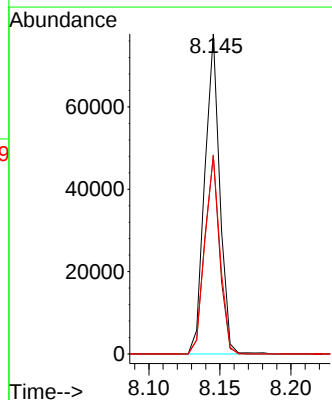
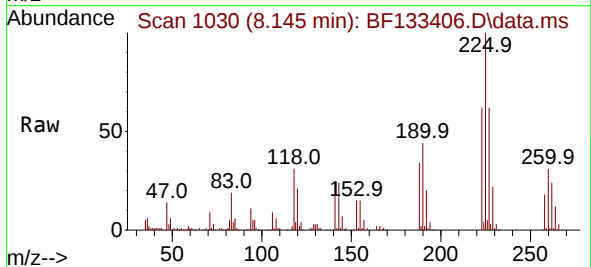
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

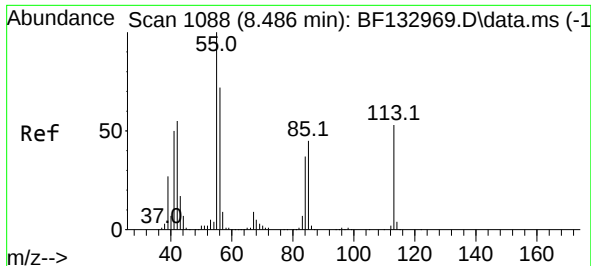
Tgt Ion:	127	Resp:	66794
Ion Ratio	Lower	Upper	
127	100		
129	31.9	25.8	38.8
65	28.8	23.6	35.4
92	17.4	15.3	22.9



#34
Hexachlorobutadiene
Concen: 8.576 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:	225	Resp:	56944
Ion Ratio	Lower	Upper	
225	100		
223	62.0	50.9	76.3
227	62.2	50.3	75.5

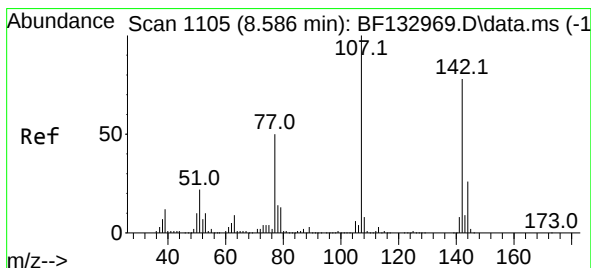
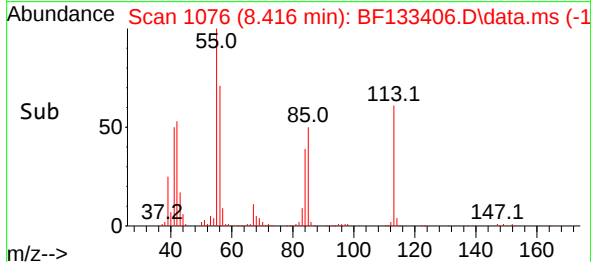
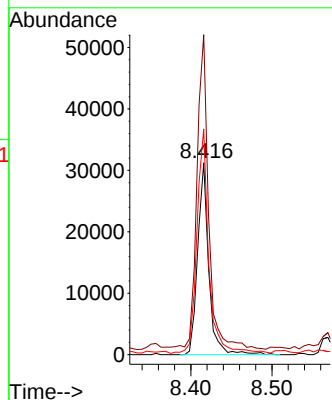
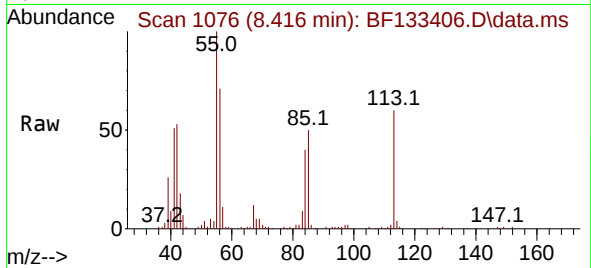




#35
 Caprolactam
 Concen: 7.664 ng
 RT: 8.416 min Scan# 1102
 Delta R.T. -0.047 min
 Lab File: BF133406.D
 Acq: 16 May 2023 17:10

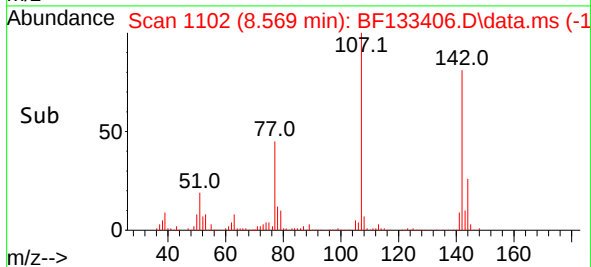
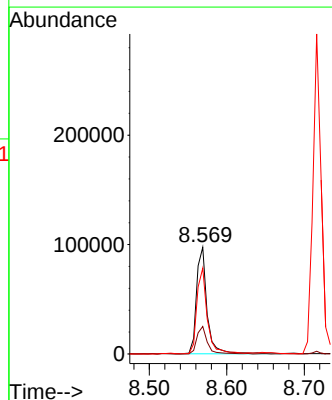
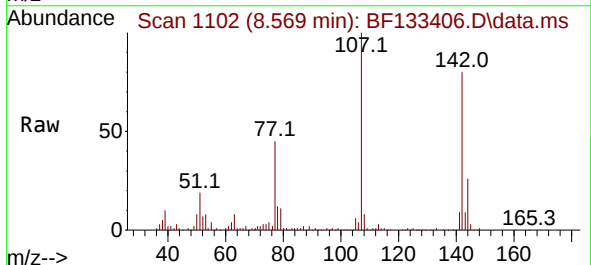
Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639MSD

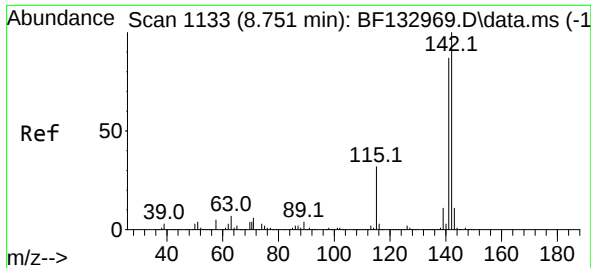
Tgt Ion:113 Resp: 29771
 Ion Ratio Lower Upper
 113 100
 55 166.8 167.1 207.1#
 56 117.6 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 7.342 ng
 RT: 8.569 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: BF133406.D
 Acq: 16 May 2023 17:10

Tgt Ion:107 Resp: 91553
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.6 30.8
 142 80.3 62.8 94.2





#37

2-Methylnaphthalene

Concen: 7.946 ng

RT: 8.716 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

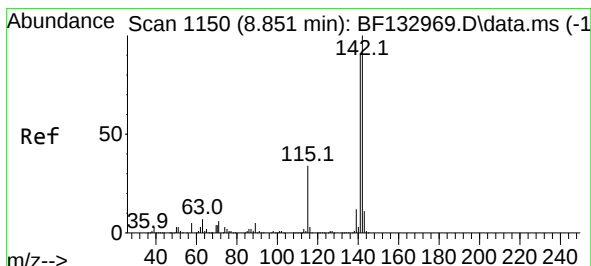
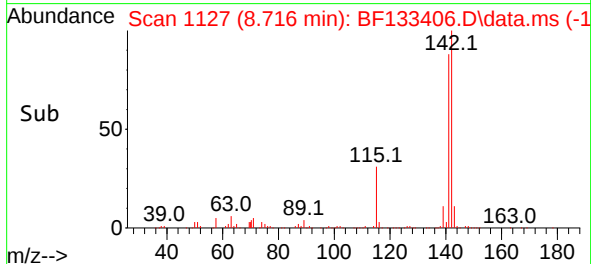
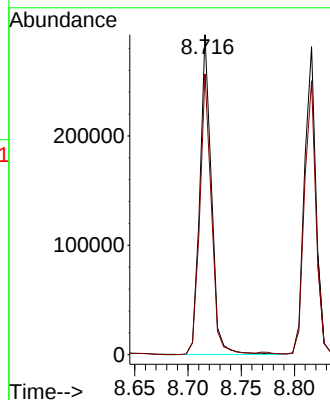
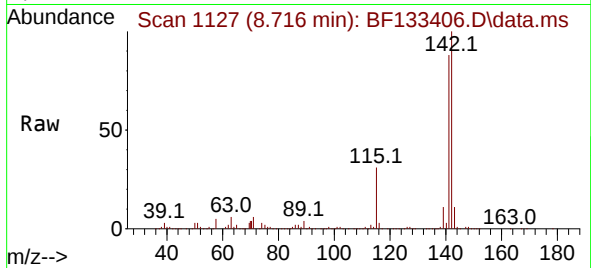
ORA-1639MSD

Tgt Ion:142 Resp: 222220

Ion Ratio Lower Upper

142 100

141 87.8 69.4 104.0



#38

1-Methylnaphthalene

Concen: 8.050 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF133406.D

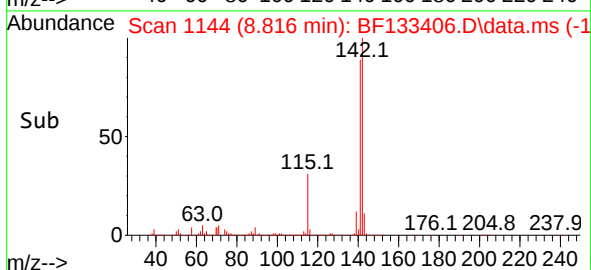
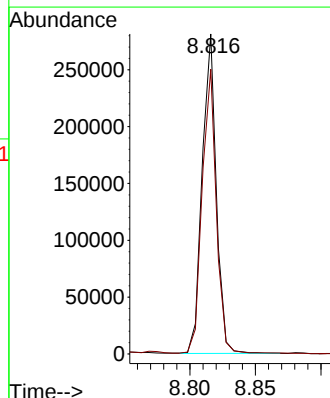
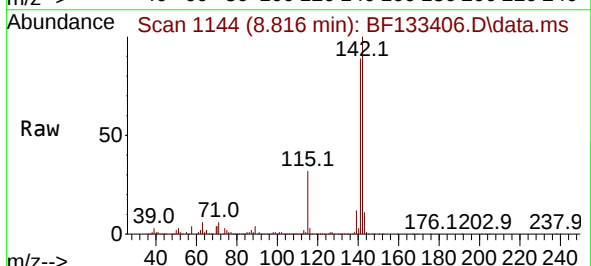
Acq: 16 May 2023 17:10

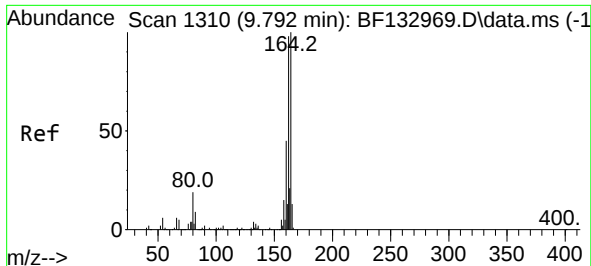
Tgt Ion:142 Resp: 210586

Ion Ratio Lower Upper

142 100

141 89.0 73.1 109.7

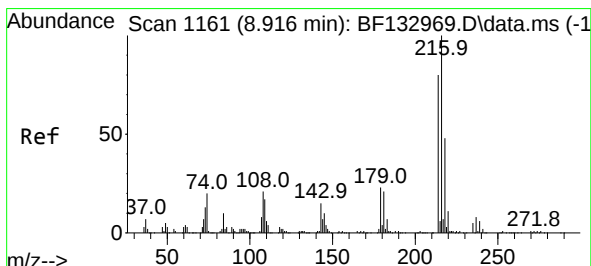
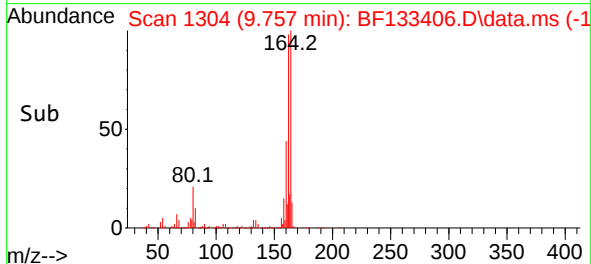
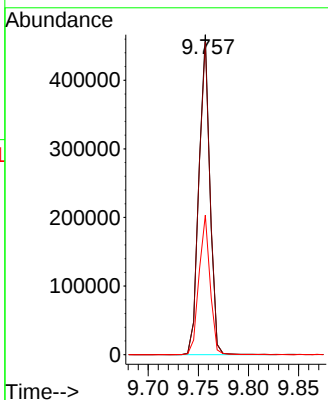
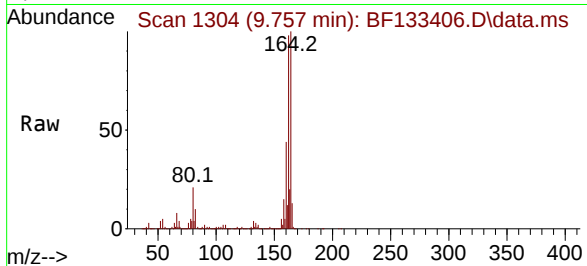




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

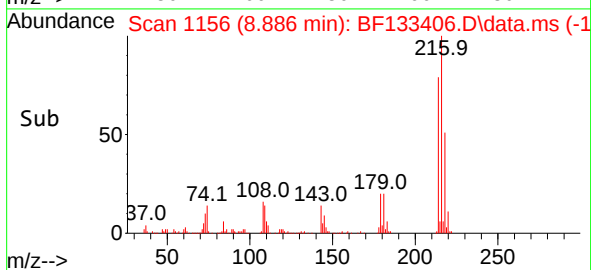
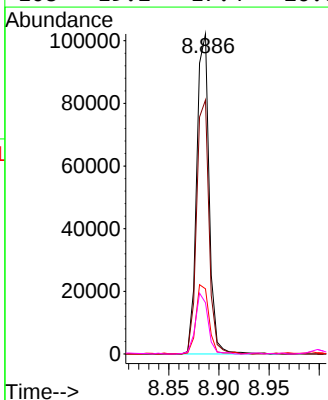
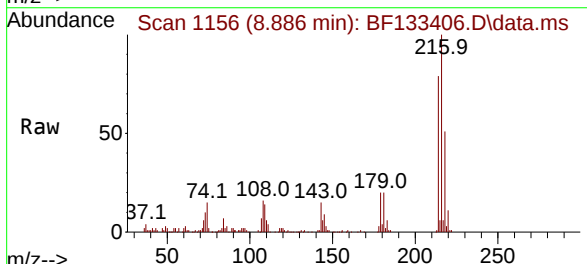
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

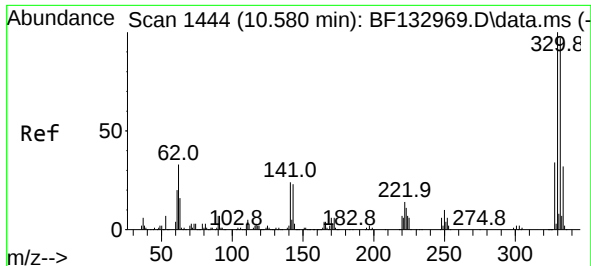
Tgt Ion:164 Resp: 354729
Ion Ratio Lower Upper
164 100
162 97.7 78.7 118.1
160 43.6 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.244 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:216 Resp: 88168
Ion Ratio Lower Upper
216 100
214 79.4 63.5 95.3
179 22.6 17.4 26.2
108 19.2 17.4 26.0





#42

2,4,6-Tribromophenol

Concen: 15.982 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

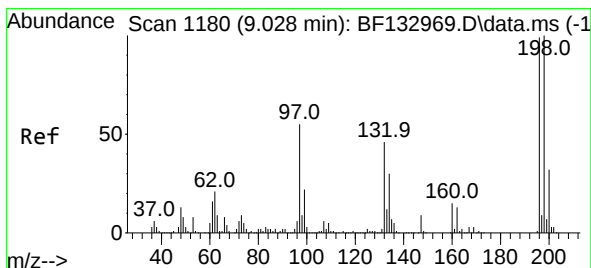
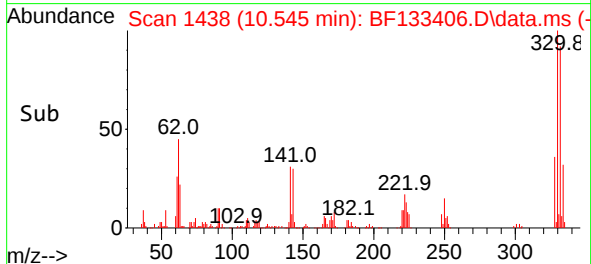
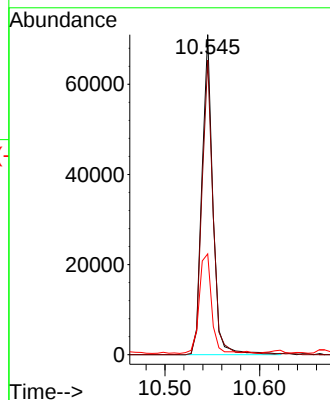
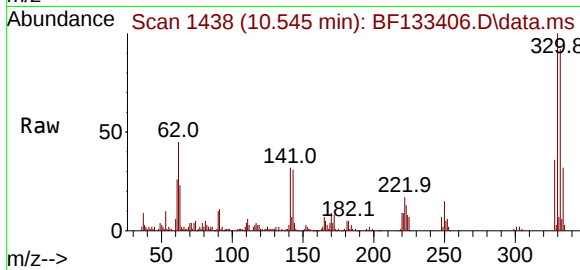
Tgt Ion:330 Resp: 57016

Ion Ratio Lower Upper

330 100

332 93.7 77.1 115.7

141 35.8 25.8 38.8



#43

2,4,6-Trichlorophenol

Concen: 8.191 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

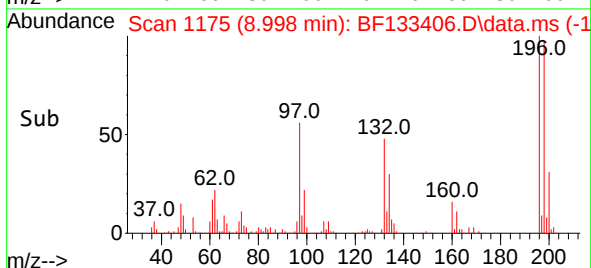
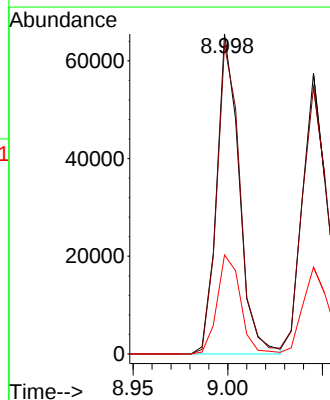
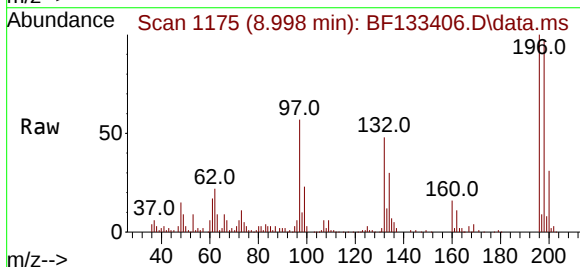
Tgt Ion:196 Resp: 54025

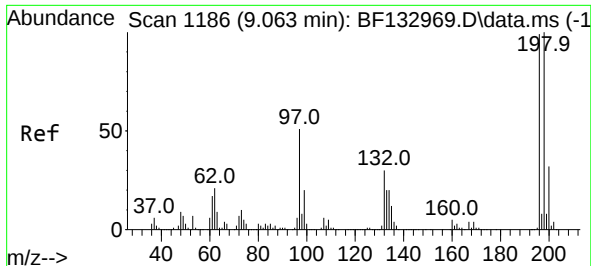
Ion Ratio Lower Upper

196 100

198 96.6 81.0 121.6

200 31.0 26.1 39.1

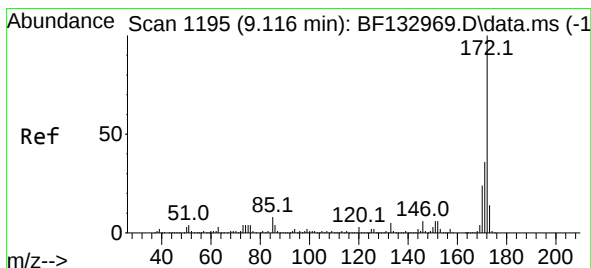
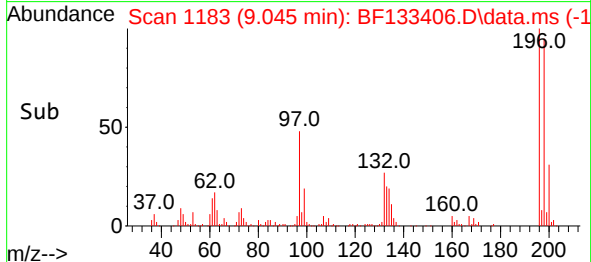
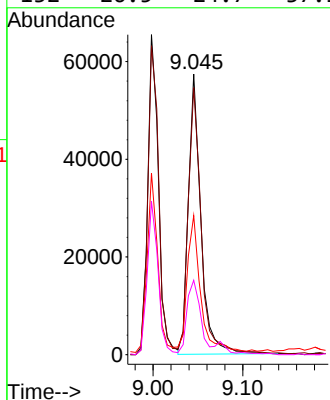
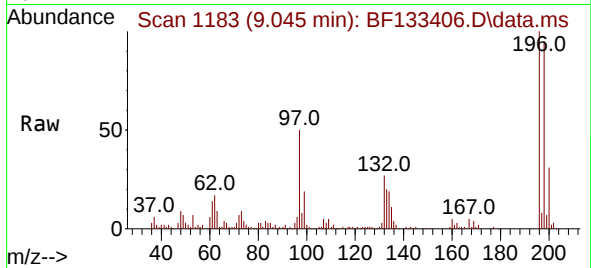




#44
2,4,5-Trichlorophenol
Concen: 7.335 ng
RT: 9.045 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

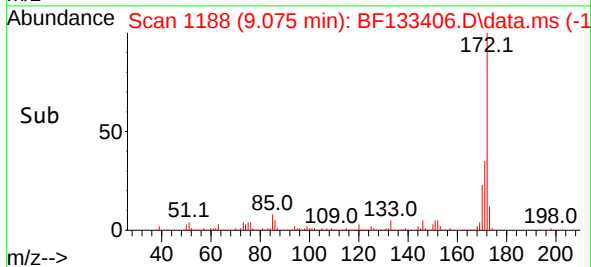
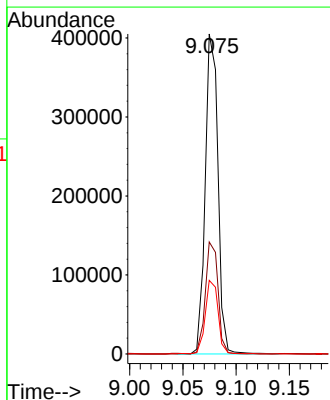
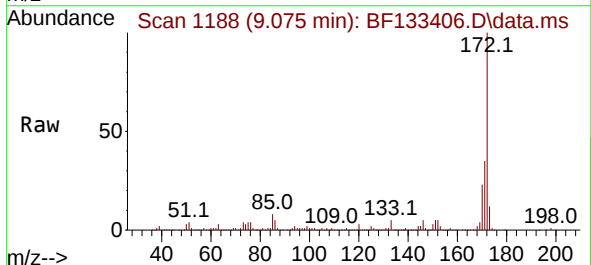
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

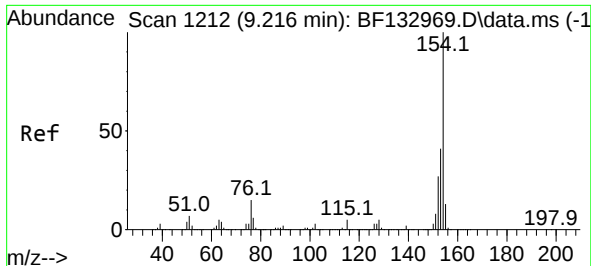
Tgt Ion:196	Resp:	55955
Ion Ratio	Lower	Upper
196	100	
198	95.2	80.9 121.3
97	49.6	41.3 61.9
132	26.5	24.7 37.1



#45
2-Fluorobiphenyl
Concen: 15.926 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:172	Resp:	337677
Ion Ratio	Lower	Upper
172	100	
171	35.0	28.8 43.2
170	23.0	19.4 29.2

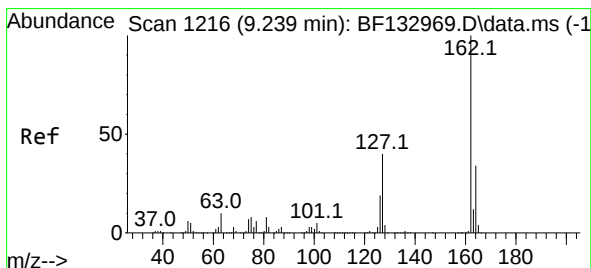
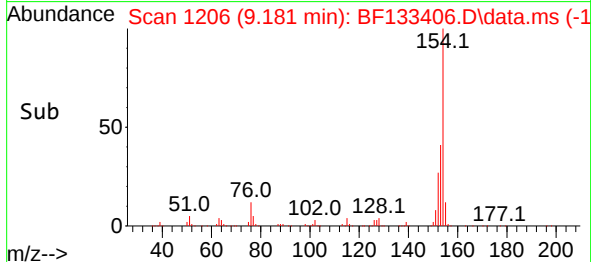
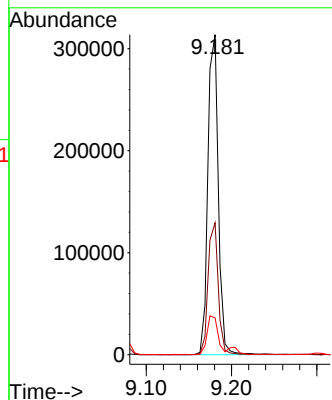
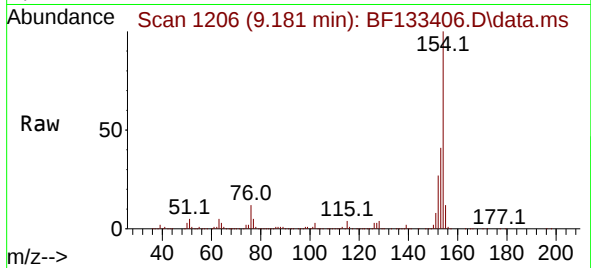




#46
1,1'-Biphenyl
Concen: 9.473 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

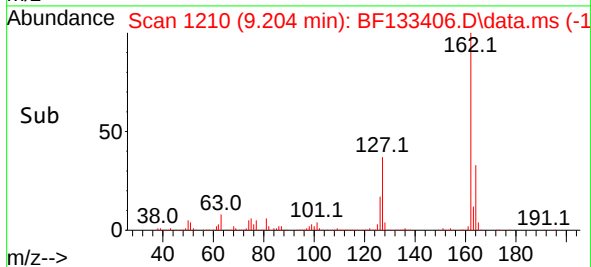
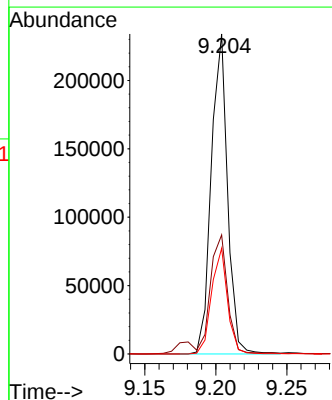
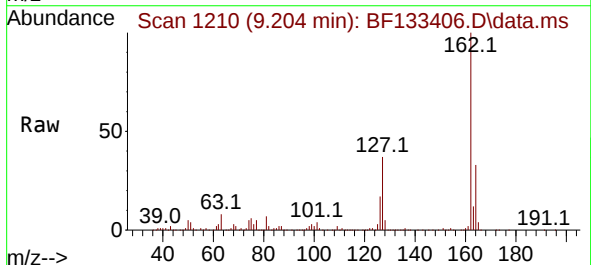
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

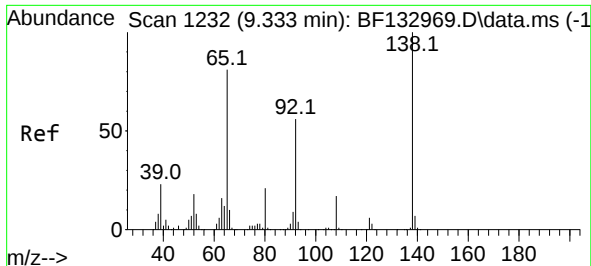
Tgt Ion:154 Resp: 266458
Ion Ratio Lower Upper
154 100
153 41.2 21.0 61.0
76 11.5 0.0 34.5



#47
2-Chloronaphthalene
Concen: 9.065 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:162 Resp: 186637
Ion Ratio Lower Upper
162 100
127 37.2 32.3 48.5
164 33.0 26.8 40.2

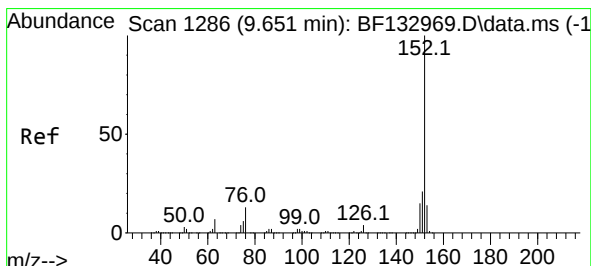
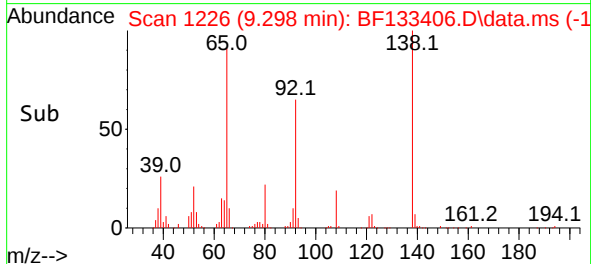
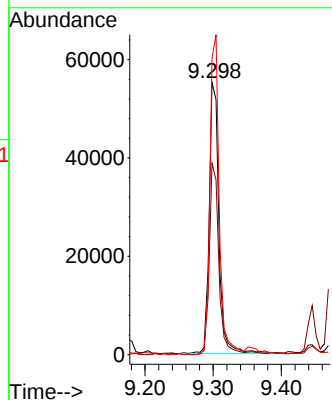
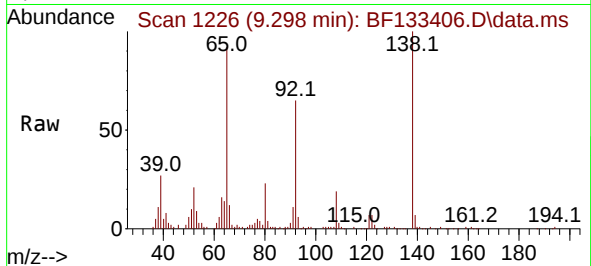




#48
2-Nitroaniline
Concen: 8.051 ng
RT: 9.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

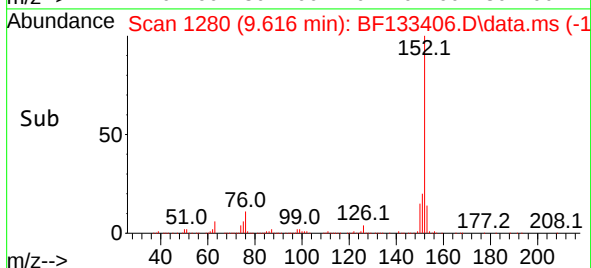
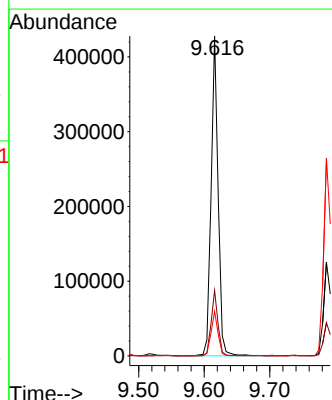
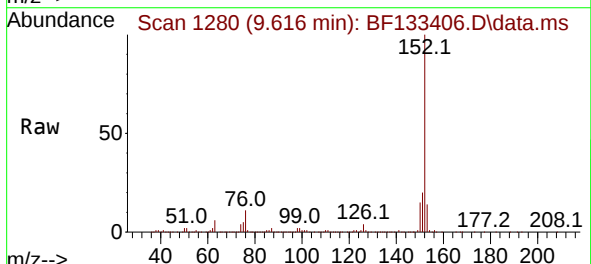
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

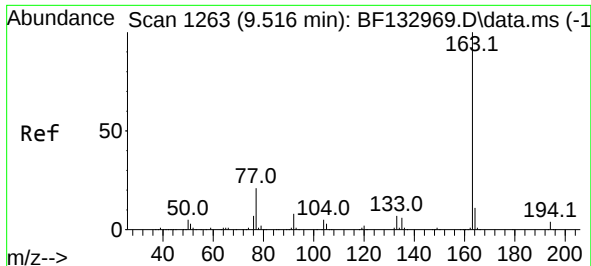
Tgt Ion: 65 Resp: 54784
Ion Ratio Lower Upper
65 100
92 70.3 55.4 83.0
138 109.0 98.2 147.2



#49
Acenaphthylene
Concen: 9.644 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion: 152 Resp: 317246
Ion Ratio Lower Upper
152 100
151 20.4 16.6 24.8
153 13.9 11.5 17.3

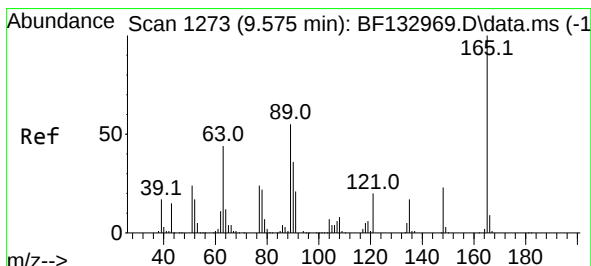
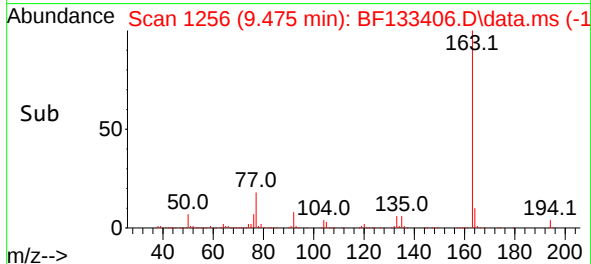
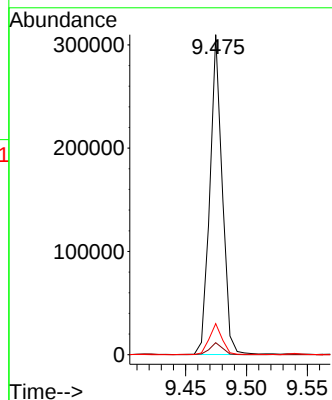
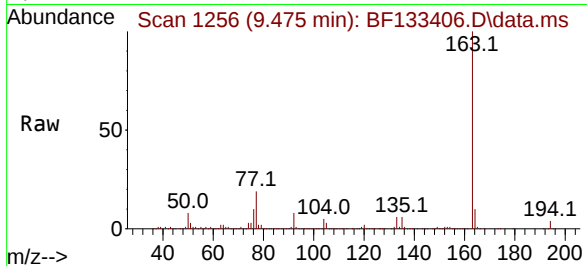




#50
Dimethylphthalate
Concen: 8.864 ng
RT: 9.475 min Scan# 1263
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

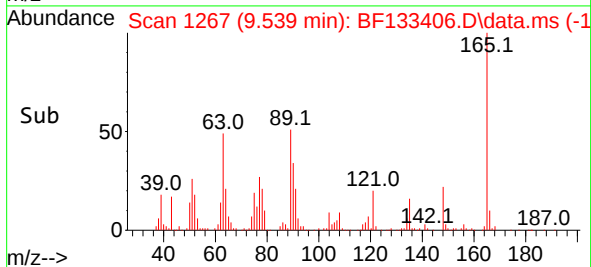
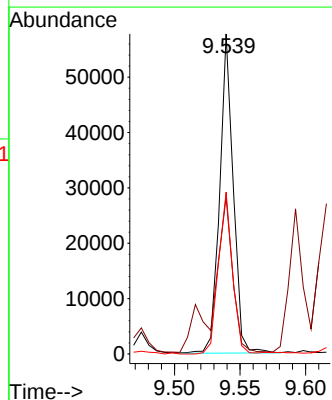
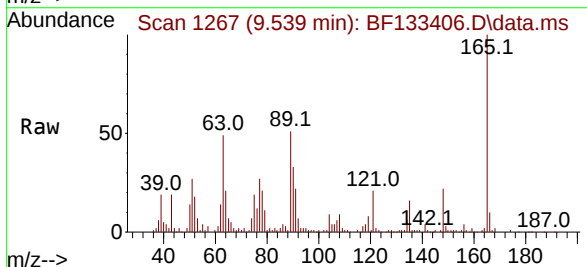
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

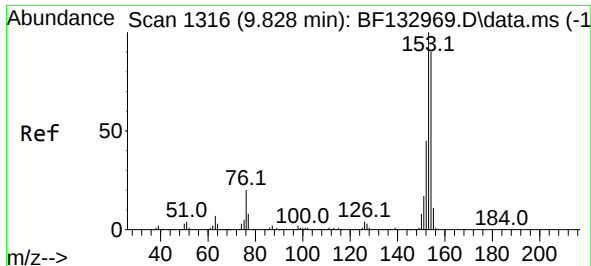
Tgt Ion:163 Resp: 219241
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.7 8.5 12.7



#51
2,6-Dinitrotoluene
Concen: 7.449 ng
RT: 9.539 min Scan# 1267
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:165 Resp: 41471
Ion Ratio Lower Upper
165 100
63 49.0 45.9 68.9
89 50.6 44.0 66.0

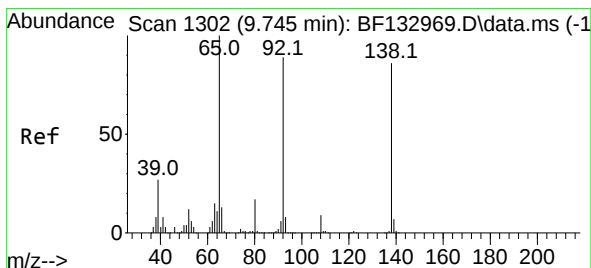
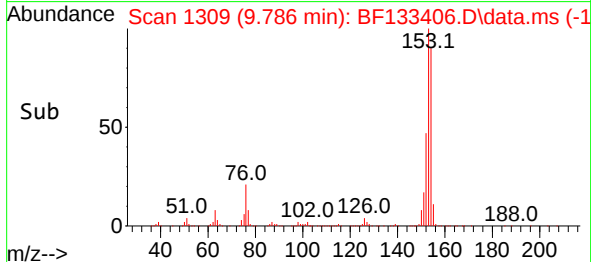
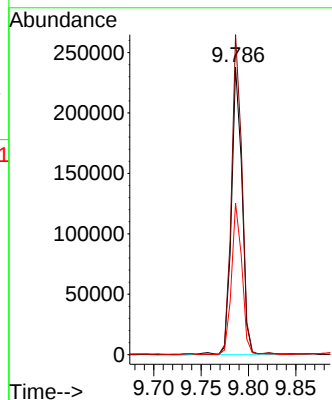
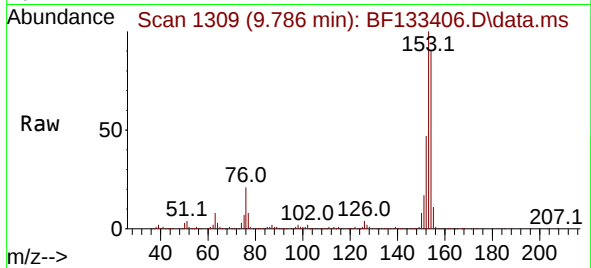




#52
Acenaphthene
Concen: 8.407 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

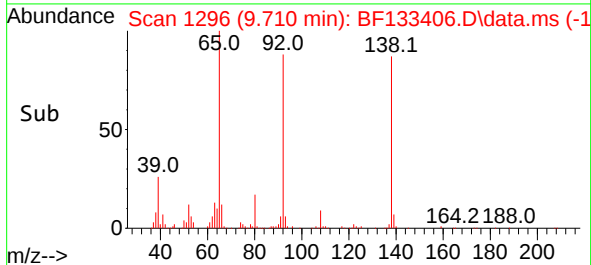
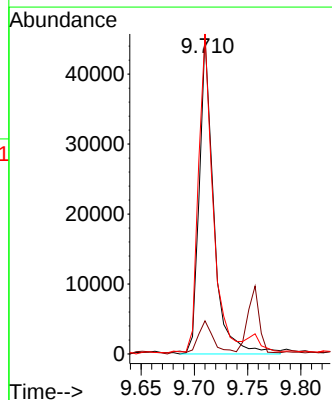
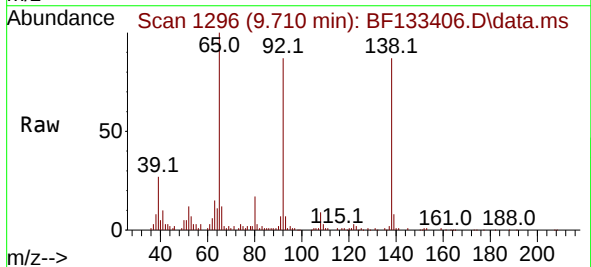
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

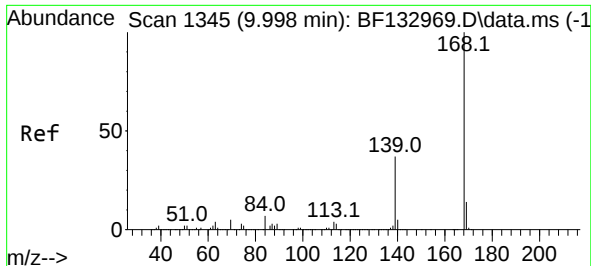
Tgt Ion:154 Resp: 185223
Ion Ratio Lower Upper
154 100
153 111.3 89.0 133.6
152 52.8 40.4 60.6



#53
3-Nitroaniline
Concen: 6.485 ng
RT: 9.710 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:138 Resp: 42929
Ion Ratio Lower Upper
138 100
108 10.4 8.0 12.0
92 100.5 83.6 125.4

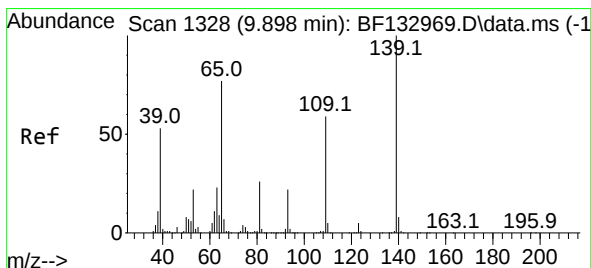
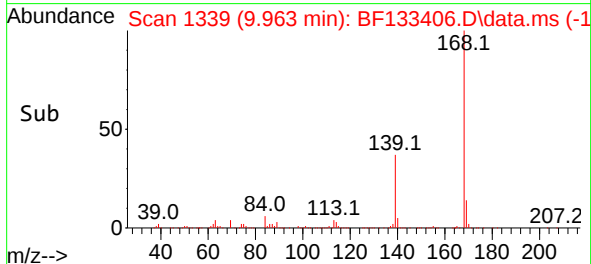
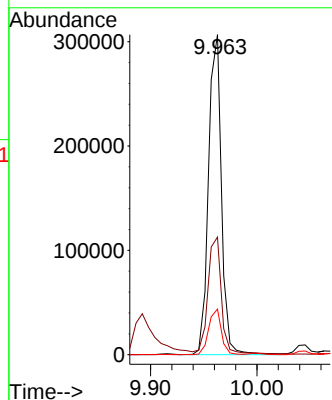
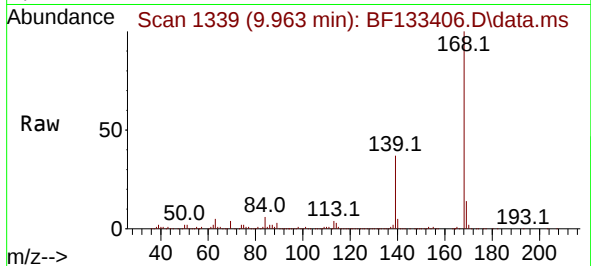




#55
Dibenzofuran
Concen: 8.654 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

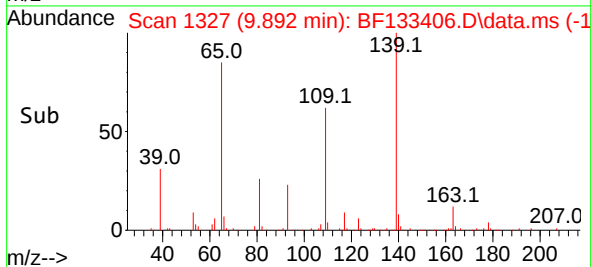
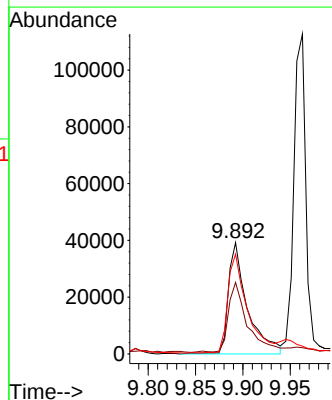
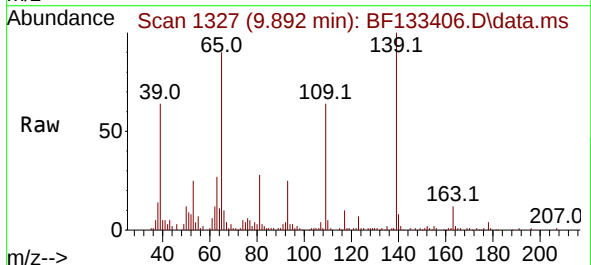
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

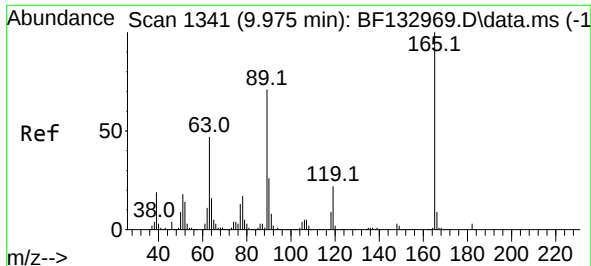
Tgt Ion:168 Resp: 260086
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.8
169 14.2 10.8 16.2



#56
4-Nitrophenol
Concen: 10.766 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:139 Resp: 55197
Ion Ratio Lower Upper
139 100
109 64.2 39.4 79.4
65 89.6 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 7.020 ng

RT: 9.945 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

Tgt Ion:165 Resp: 49841

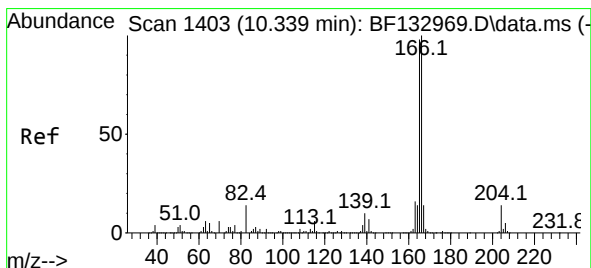
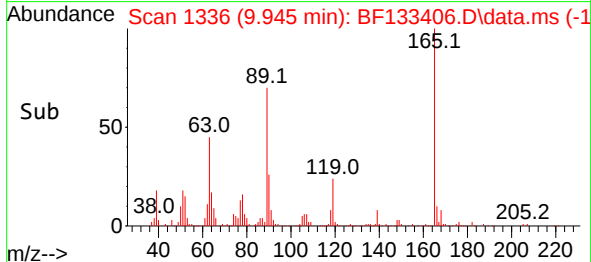
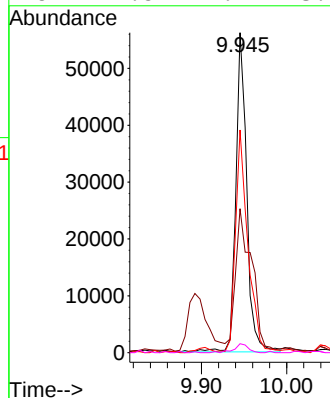
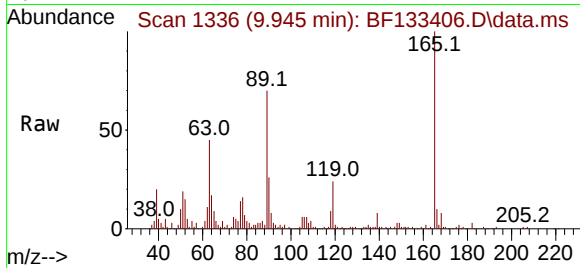
Ion Ratio Lower Upper

165 100

63 45.0 37.7 56.5

89 69.6 57.0 85.4

182 2.8 2.1 3.1



#58

Fluorene

Concen: 9.774 ng

RT: 10.304 min Scan# 1397

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

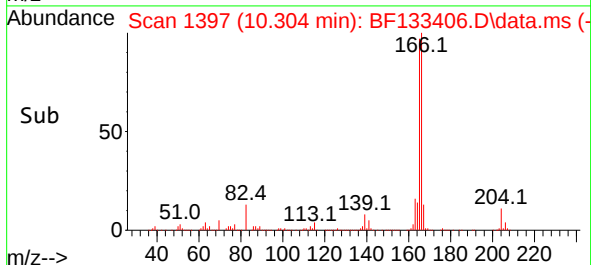
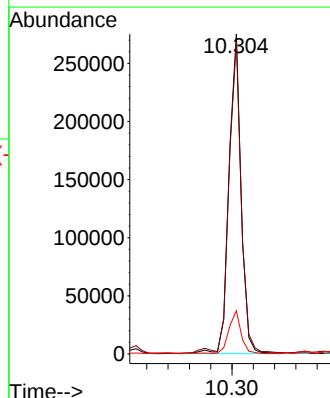
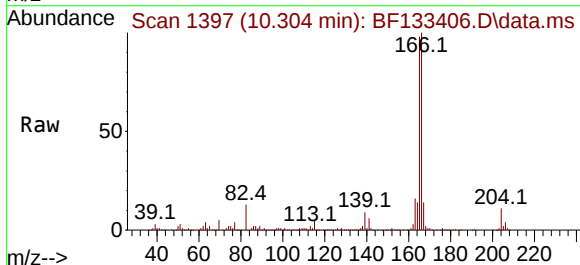
Tgt Ion:166 Resp: 215208

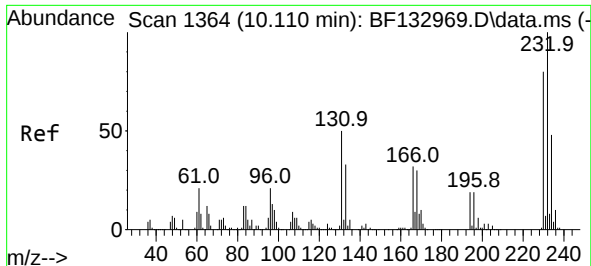
Ion Ratio Lower Upper

166 100

165 97.6 78.6 117.8

167 13.5 11.0 16.4

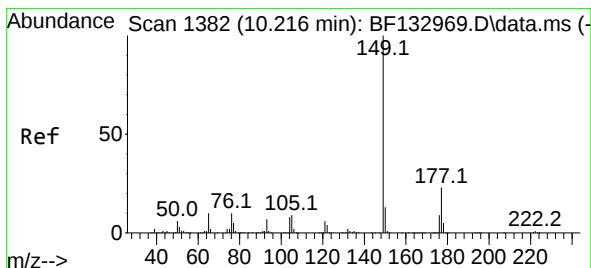
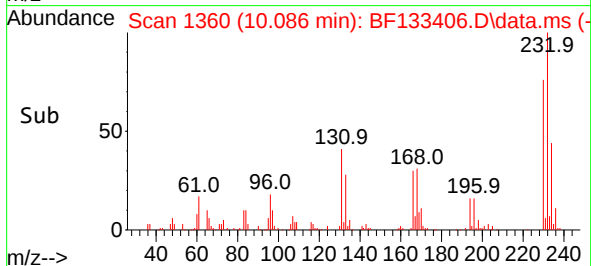
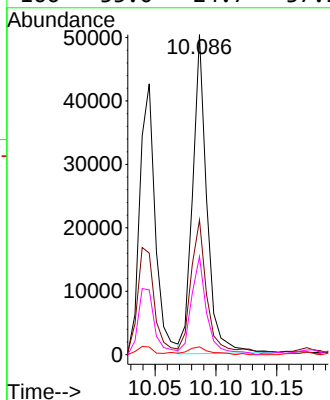
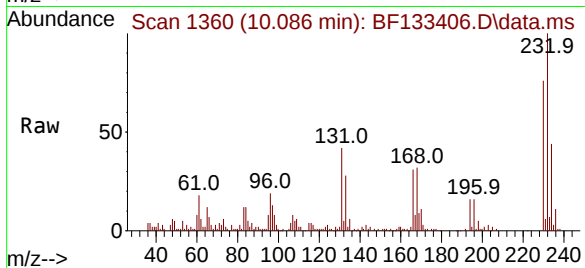




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.973 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

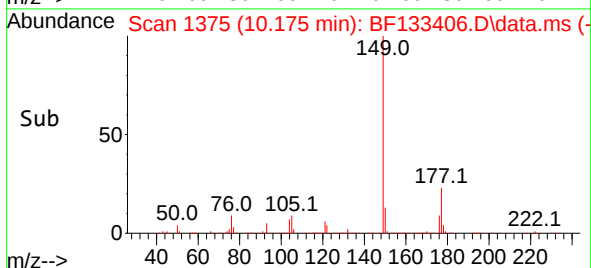
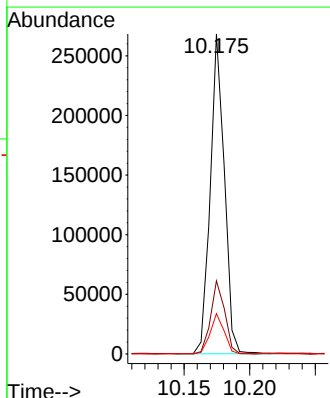
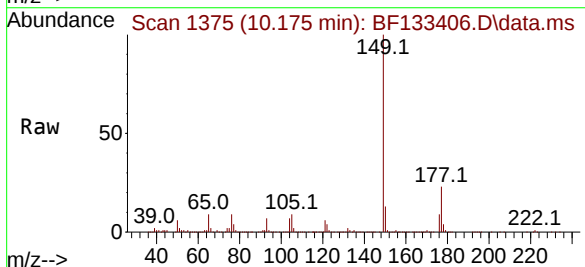
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

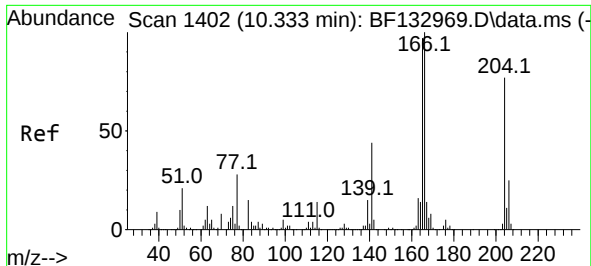
Tgt Ion:232 Resp: 41240
Ion Ratio Lower Upper
232 100
131 48.5 38.0 57.0
130 4.2 1.8 2.8#
166 33.0 24.7 37.1



#60
Diethylphthalate
Concen: 8.580 ng
RT: 10.175 min Scan# 1375
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:149 Resp: 200460
Ion Ratio Lower Upper
149 100
177 22.9 18.2 27.4
150 12.6 10.2 15.4

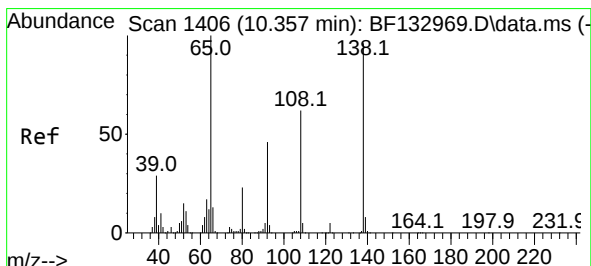
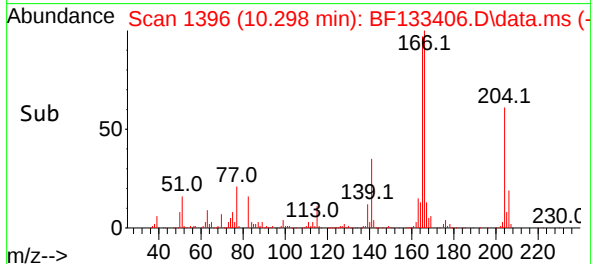
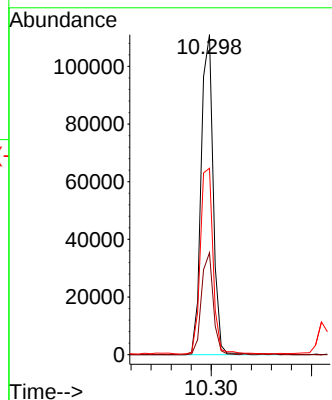
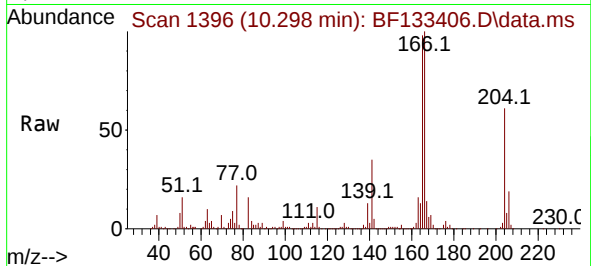




#61
4-Chlorophenyl-phenylether
Concen: 8.677 ng
RT: 10.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

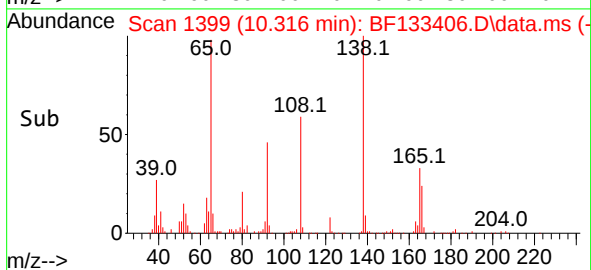
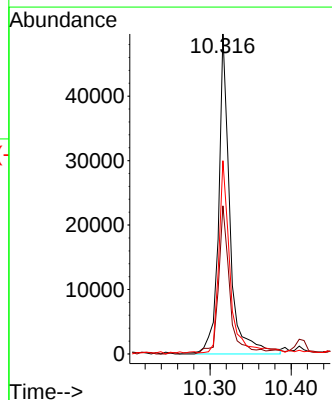
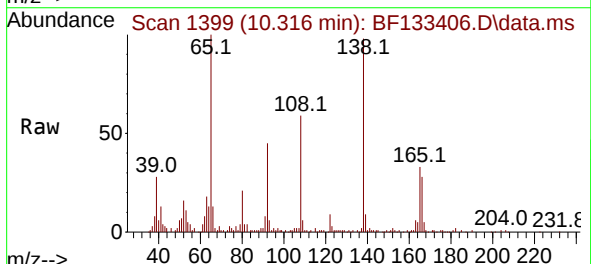
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

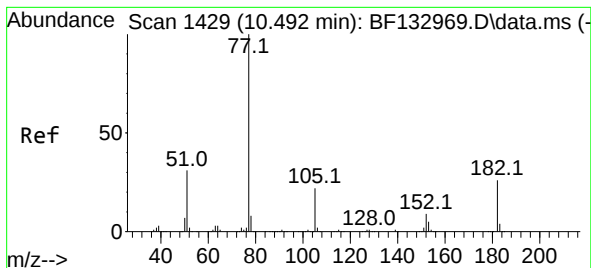
Tgt Ion:204 Resp: 93110
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 58.3 46.1 69.1



#62
4-Nitroaniline
Concen: 7.895 ng
RT: 10.316 min Scan# 1399
Delta R.T. -0.018 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:138 Resp: 48032
Ion Ratio Lower Upper
138 100
92 46.3 27.7 67.7
108 60.4 45.2 85.2





#63

Azobenzene

Concen: 7.399 ng

RT: 10.457 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

Tgt Ion: 77 Resp: 183118

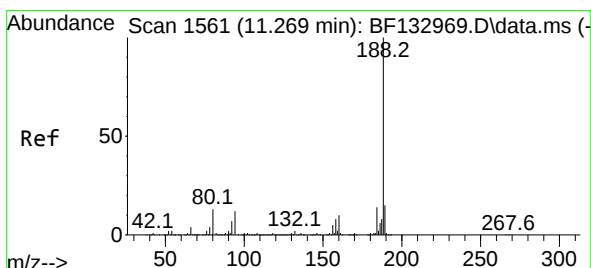
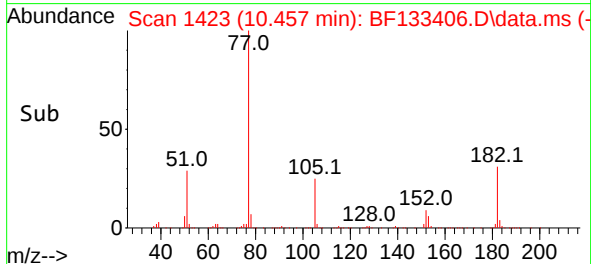
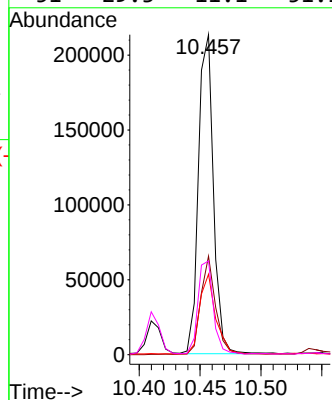
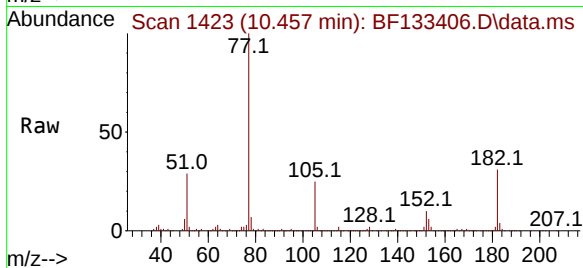
Ion Ratio Lower Upper

77 100

182 30.8 5.9 45.9

105 25.1 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: BF133406.D

Acq: 16 May 2023 17:10

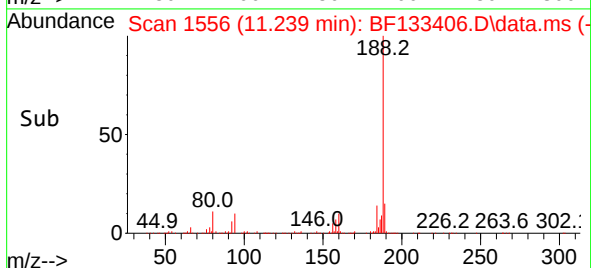
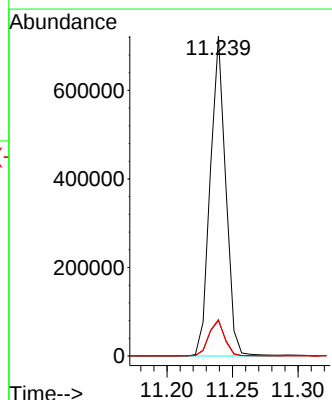
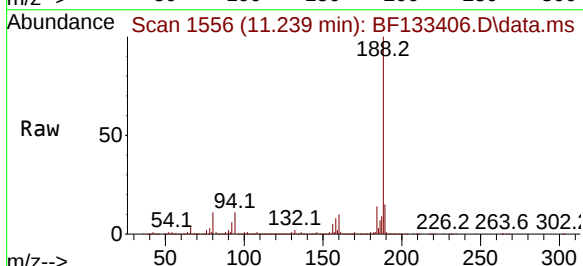
Tgt Ion: 188 Resp: 595364

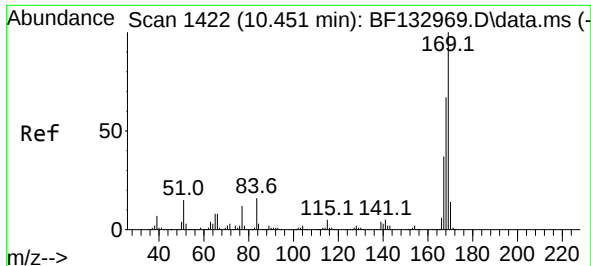
Ion Ratio Lower Upper

188 100

94 11.0 9.7 14.5

80 11.4 10.4 15.6

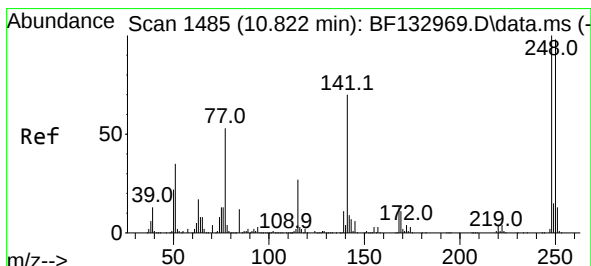
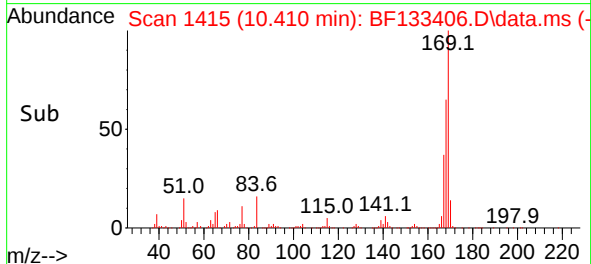
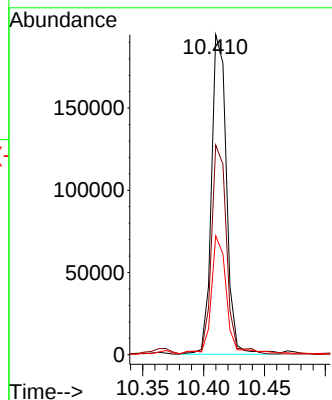
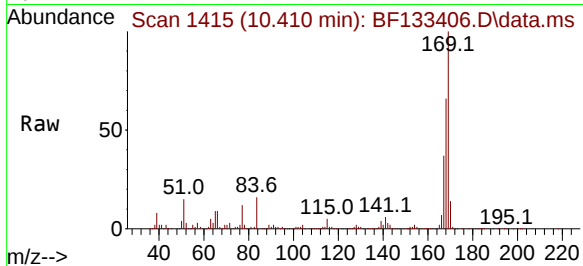




#66
n-Nitrosodiphenylamine
Concen: 8.662 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

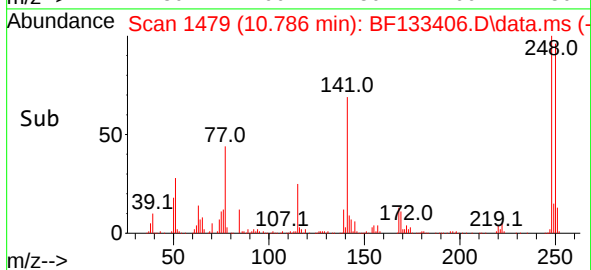
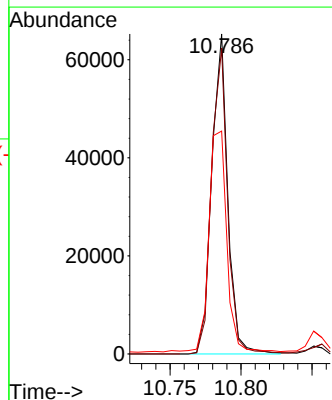
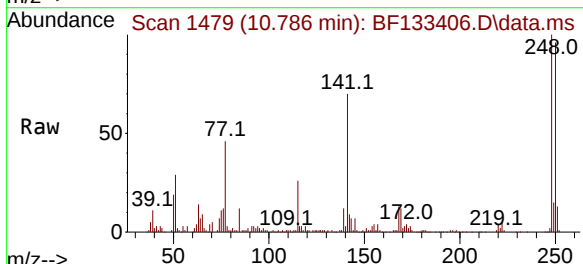
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

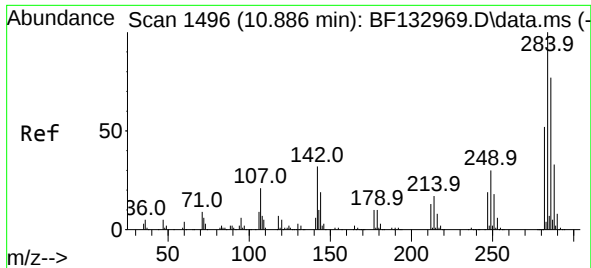
Tgt Ion:169 Resp: 167278
Ion Ratio Lower Upper
169 100
168 65.5 53.8 80.8
167 37.1 29.7 44.5



#67
4-Bromophenyl-phenylether
Concen: 7.945 ng
RT: 10.786 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:248 Resp: 51303
Ion Ratio Lower Upper
248 100
250 95.5 78.7 118.1
141 69.6 56.3 84.5

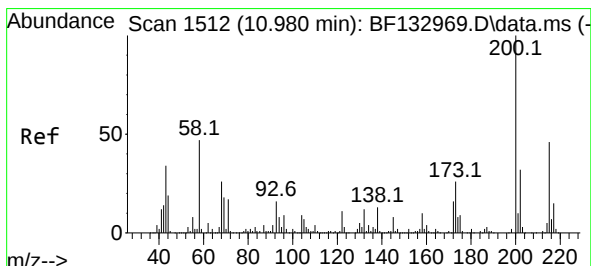
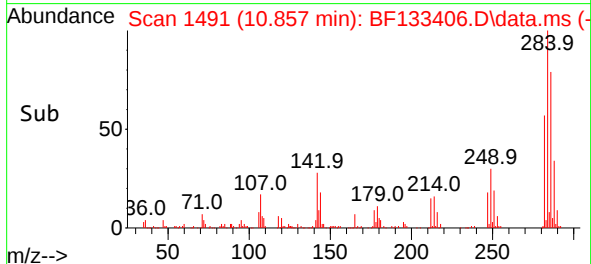
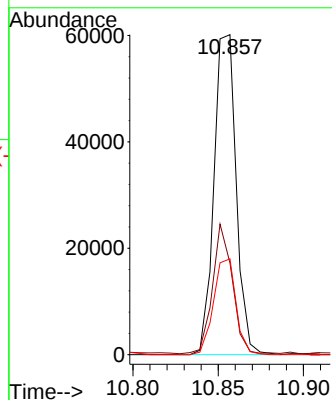
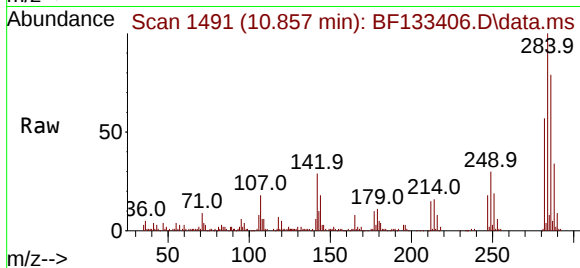




#68
Hexachlorobenzene
Concen: 8.238 ng
RT: 10.857 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

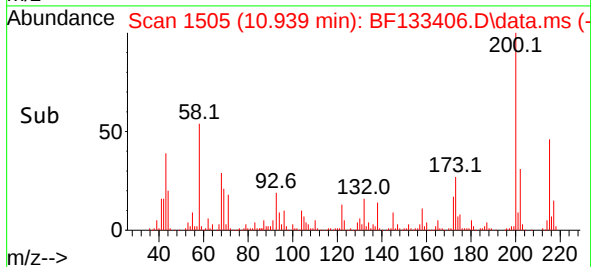
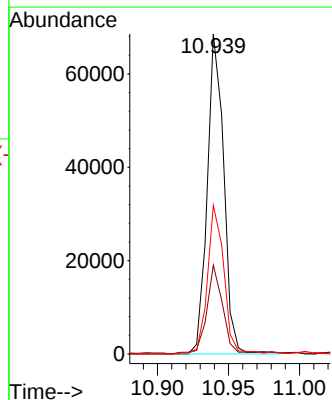
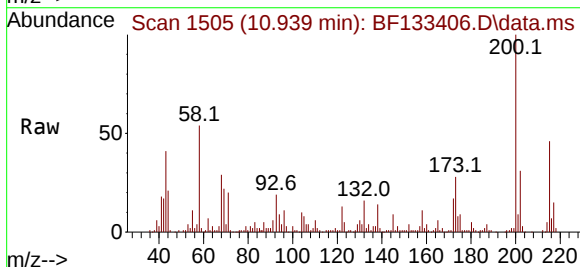
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

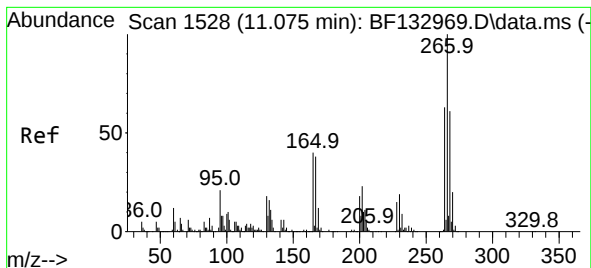
Tgt Ion:284 Resp: 54508
Ion Ratio Lower Upper
284 100
142 28.7 26.0 39.0
249 29.9 23.7 35.5



#69
Atrazine
Concen: 9.967 ng
RT: 10.939 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:200 Resp: 55461
Ion Ratio Lower Upper
200 100
173 27.7 6.2 46.2
215 46.5 26.3 66.3





#70

Pentachlorophenol

Concen: 10.188 ng

RT: 11.057 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

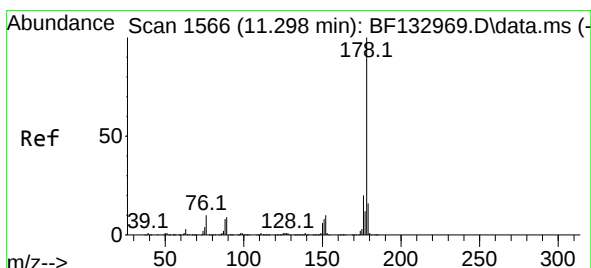
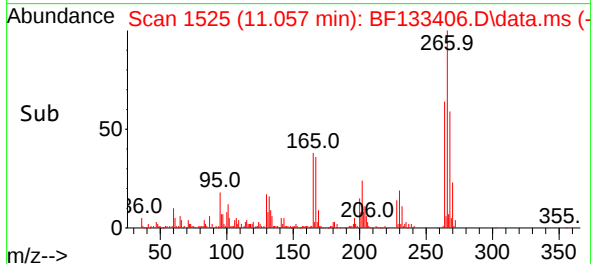
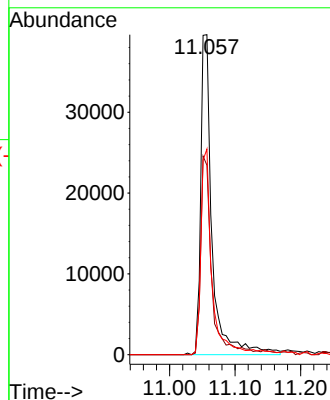
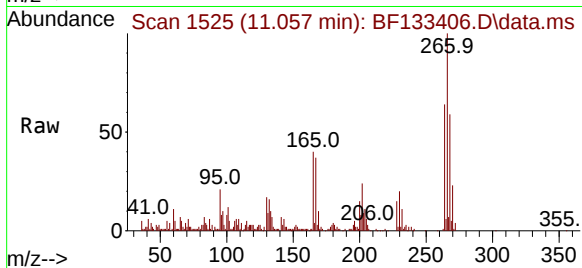
Tgt Ion:266 Resp: 48008

Ion Ratio Lower Upper

266 100

268 59.2 48.8 73.2

264 64.3 50.6 76.0



#71

Phenanthrene

Concen: 13.567 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

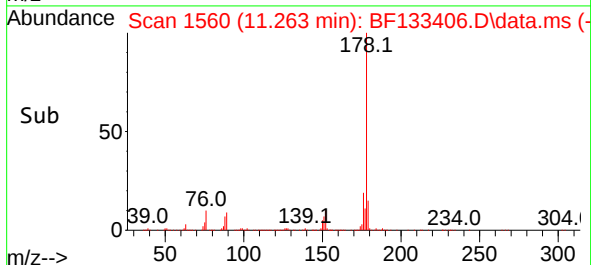
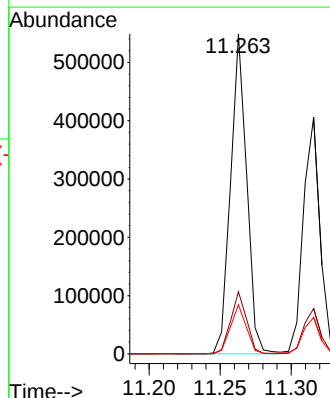
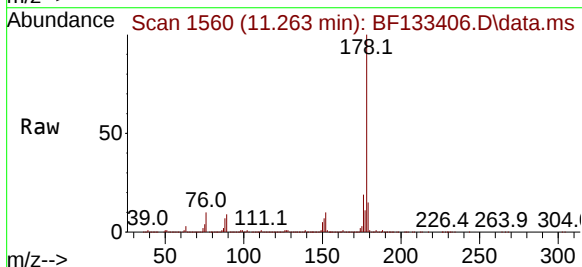
Tgt Ion:178 Resp: 434129

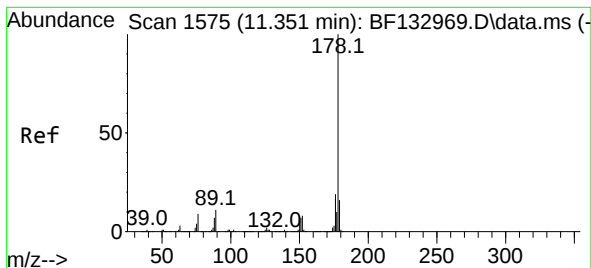
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.4 12.5 18.7





#72

Anthracene

Concen: 10.267 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

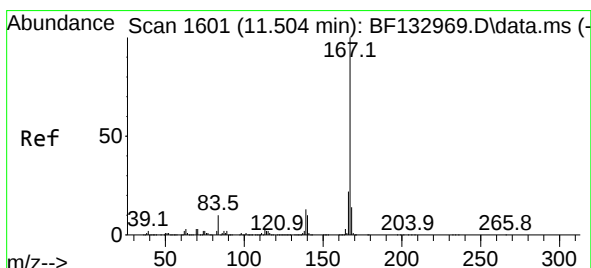
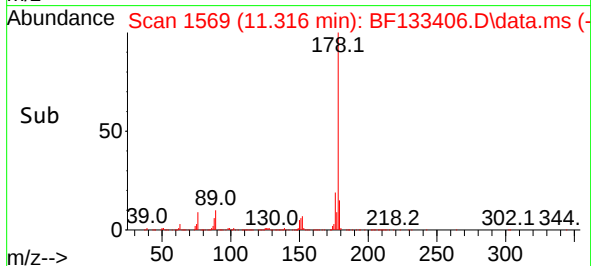
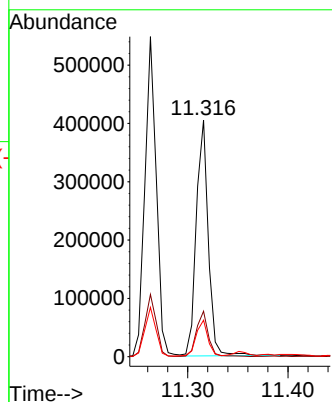
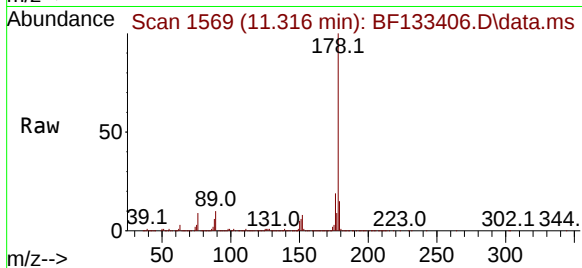
Tgt Ion:178 Resp: 336223

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.4 12.4 18.6



#73

Carbazole

Concen: 9.212 ng

RT: 11.475 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

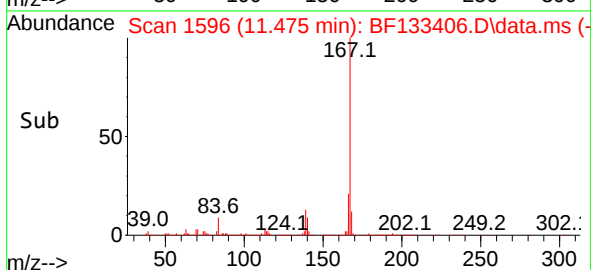
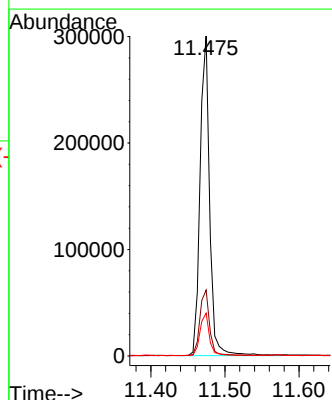
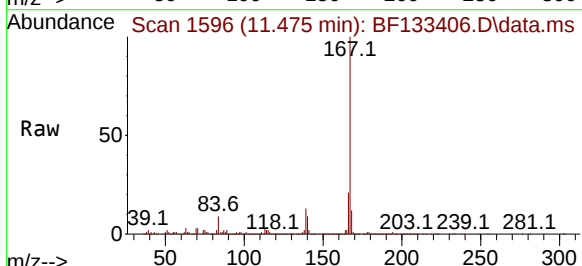
Tgt Ion:167 Resp: 268606

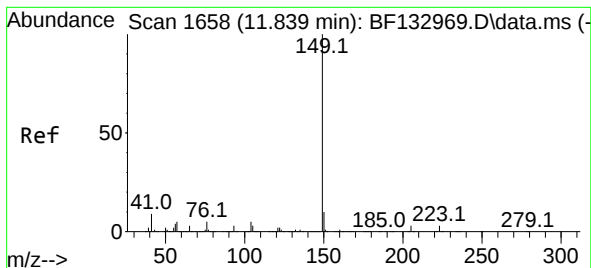
Ion Ratio Lower Upper

167 100

166 20.6 17.4 26.0

139 13.4 10.6 16.0





#74

Di-n-butylphthalate

Concen: 9.401 ng

RT: 11.804 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

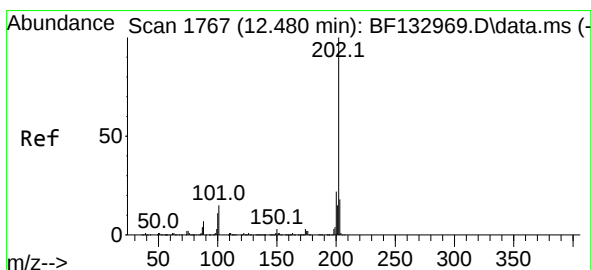
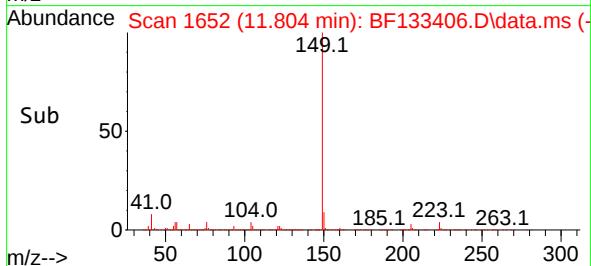
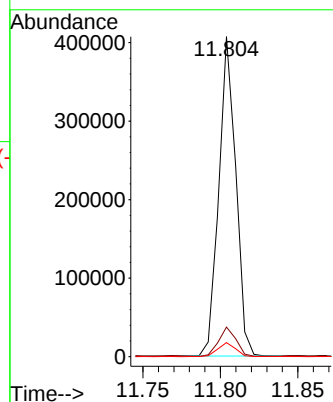
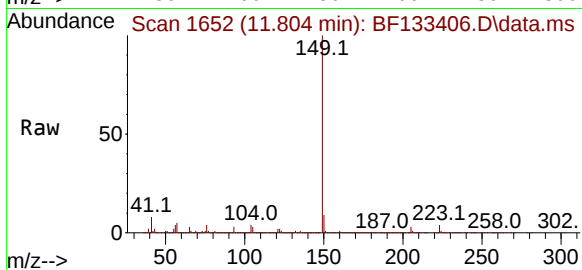
Tgt Ion:149 Resp: 310231

Ion Ratio Lower Upper

149 100

150 9.2 7.6 11.4

104 4.4 4.0 6.0



#75

Fluoranthene

Concen: 17.949 ng

RT: 12.451 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

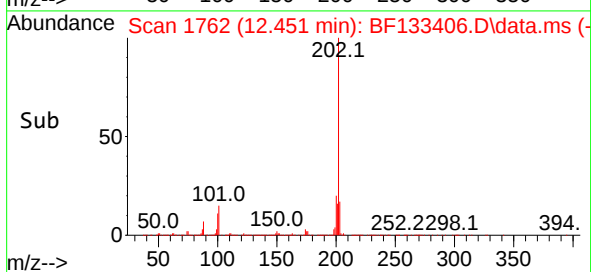
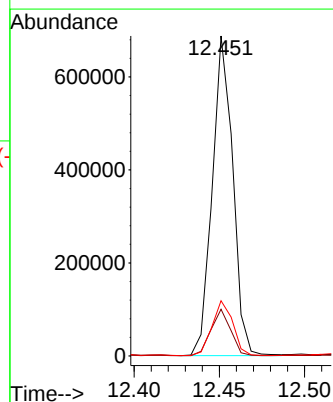
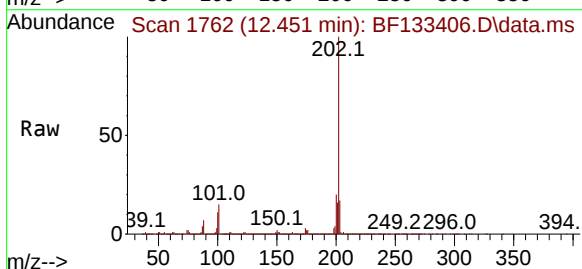
Tgt Ion:202 Resp: 576411

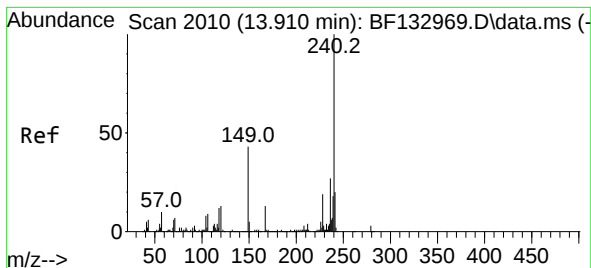
Ion Ratio Lower Upper

202 100

101 14.6 0.0 35.3

203 17.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

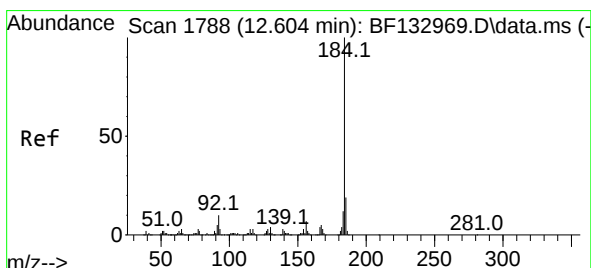
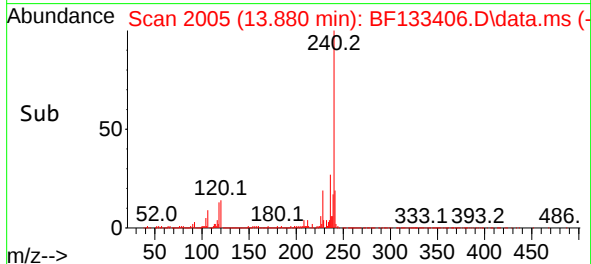
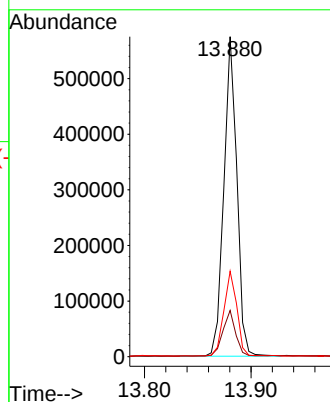
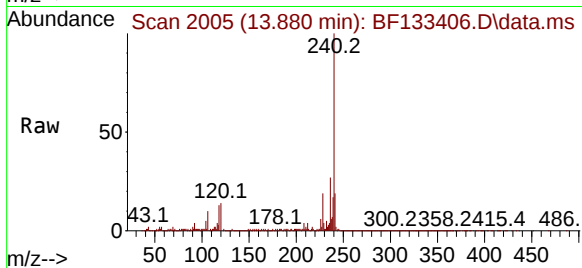
Tgt Ion:240 Resp: 484873

Ion Ratio Lower Upper

240 100

120 14.5 10.5 15.7

236 26.7 21.5 32.3



#77

Benzidine

Concen: 13.184 ng

RT: 12.580 min Scan# 1784

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

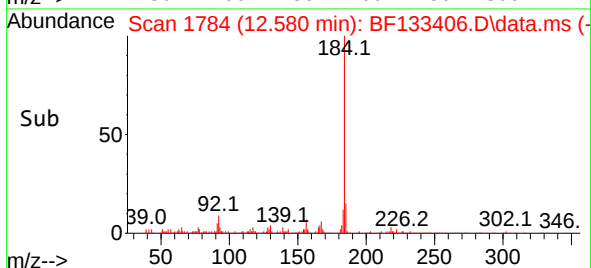
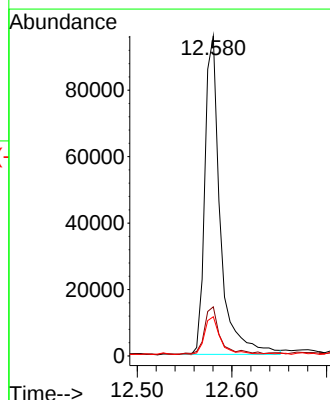
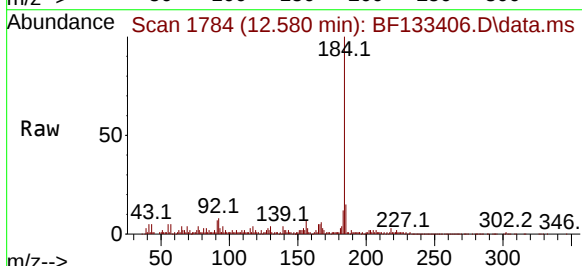
Tgt Ion:184 Resp: 108105

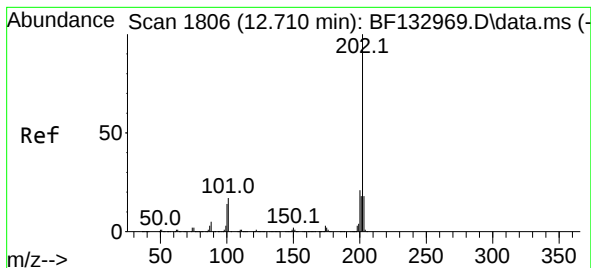
Ion Ratio Lower Upper

184 100

185 15.3 15.4 23.2#

183 12.3 9.4 14.0





#78

Pyrene

Concen: 15.693 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

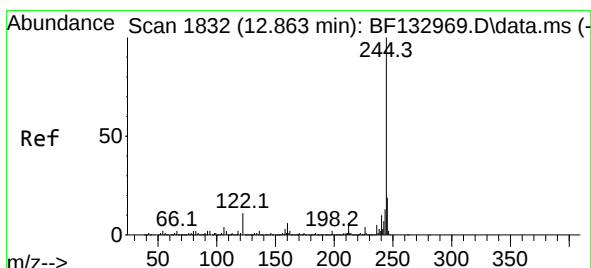
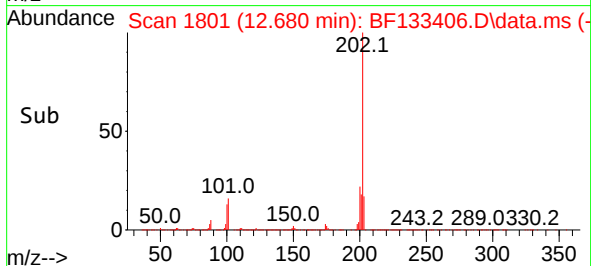
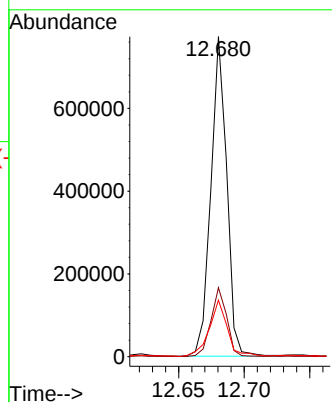
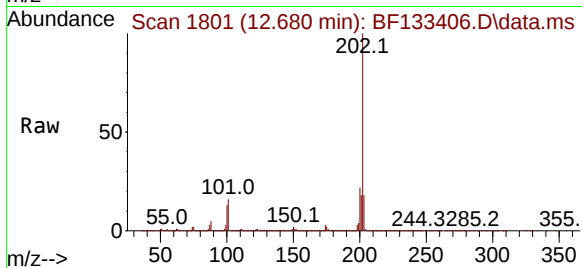
Tgt Ion:202 Resp: 652272

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 12.922 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

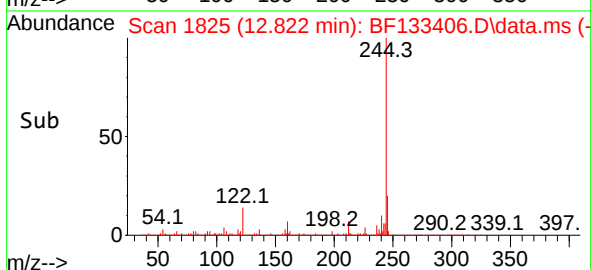
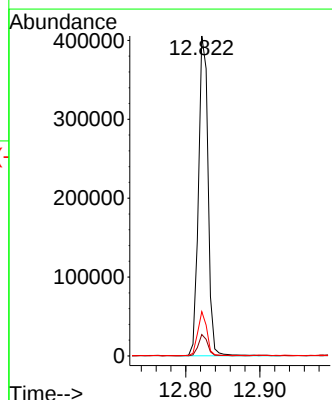
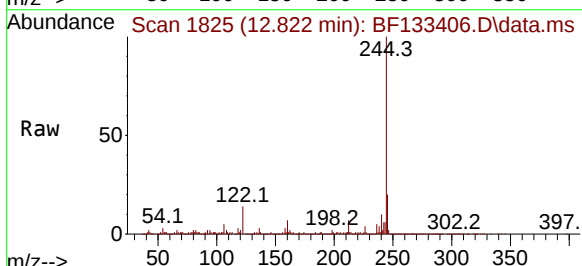
Tgt Ion:244 Resp: 363289

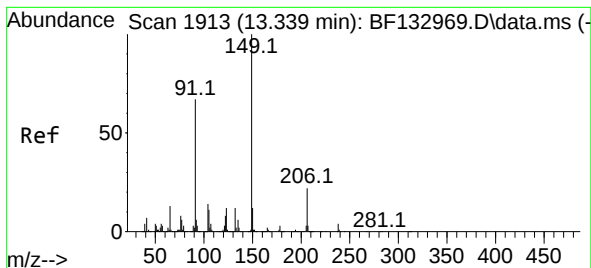
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 13.8 8.6 13.0#





#80

Butylbenzylphthalate

Concen: 9.532 ng

RT: 13.304 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

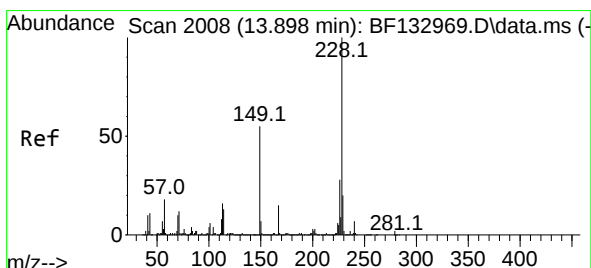
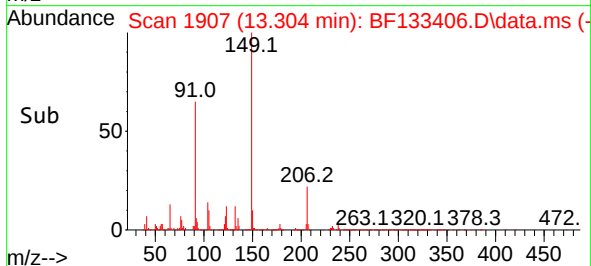
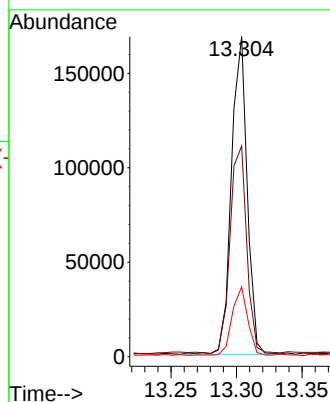
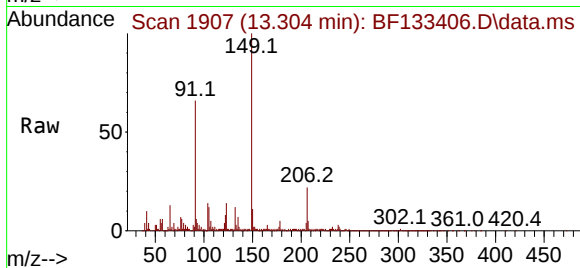
Tgt Ion:149 Resp: 140287

Ion Ratio Lower Upper

149 100

91 65.9 53.8 80.6

206 21.8 17.5 26.3



#81

Benzo(a)anthracene

Concen: 12.546 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

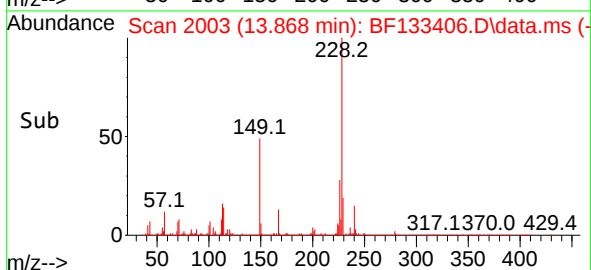
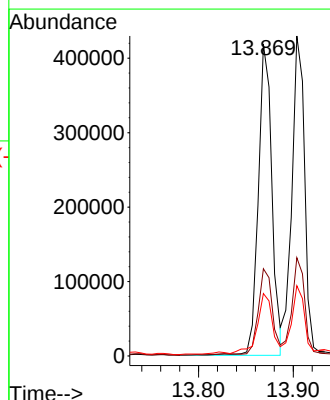
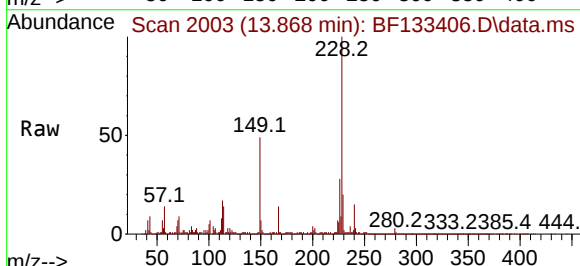
Tgt Ion:228 Resp: 418308

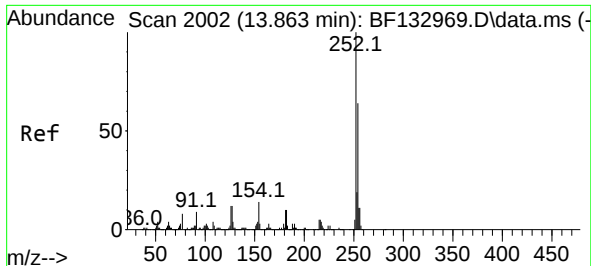
Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.4

229 20.0 16.0 24.0

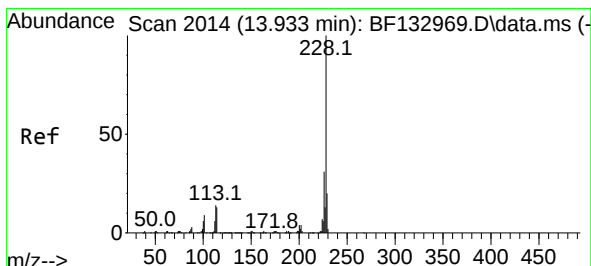
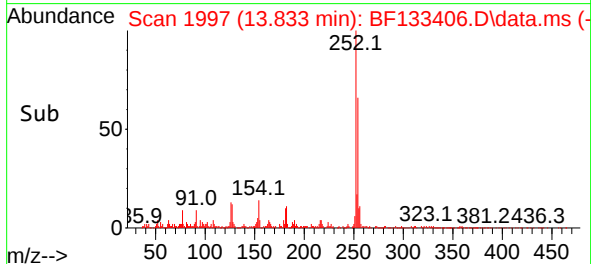
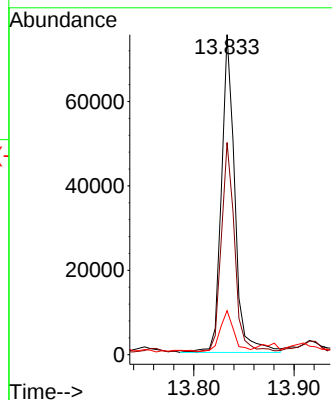
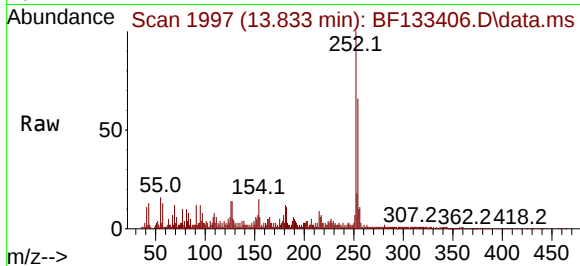




#82
3,3'-Dichlorobenzidine
Concen: 7.572 ng
RT: 13.833 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

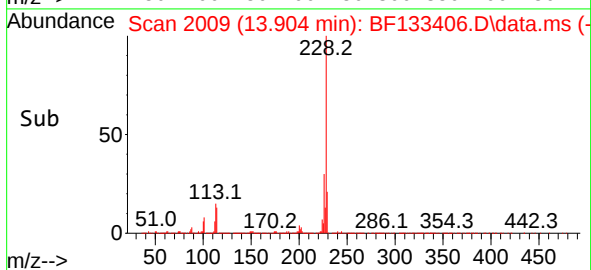
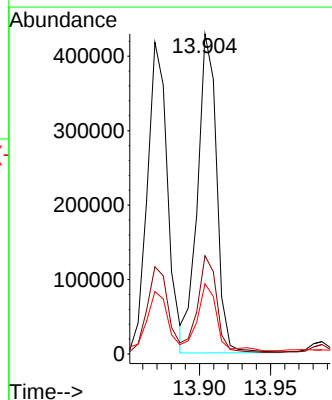
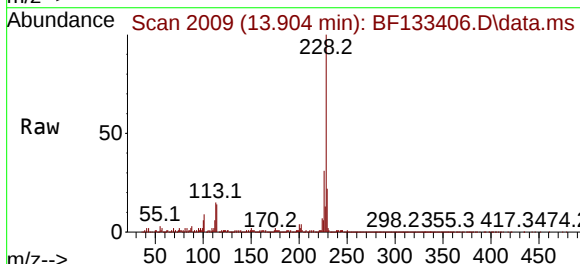
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

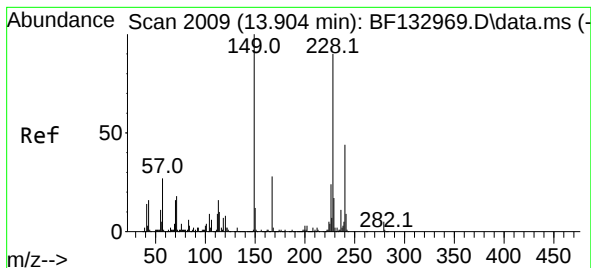
Tgt Ion:252 Resp: 69748
Ion Ratio Lower Upper
252 100
254 66.3 51.5 77.3
126 13.8 9.5 14.3



#83
Chrysene
Concen: 12.087 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:228 Resp: 402909
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 22.0 16.1 24.1

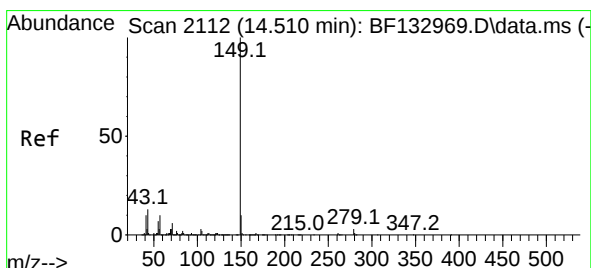
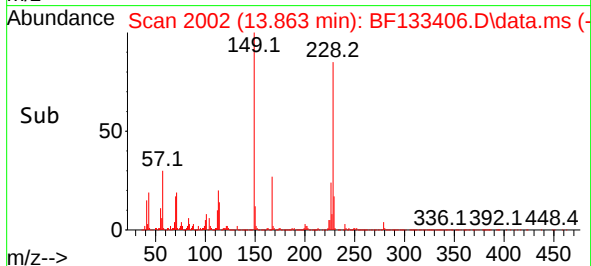
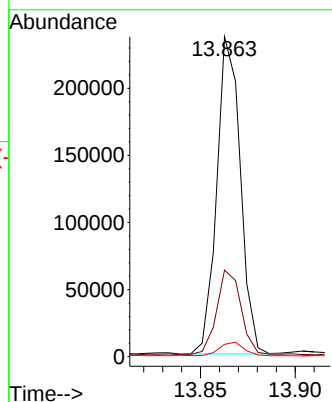
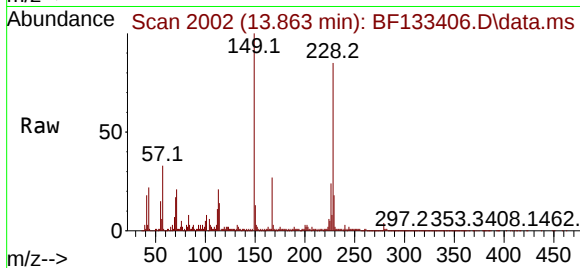




#84
Bis(2-ethylhexyl)phthalate
Concen: 11.104 ng
RT: 13.863 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

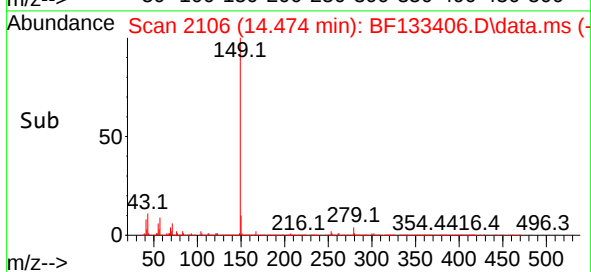
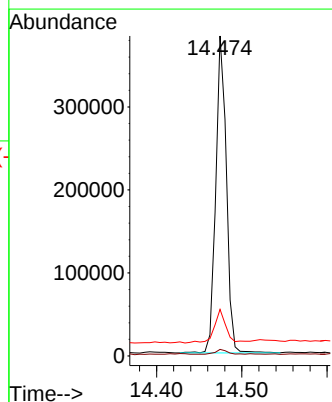
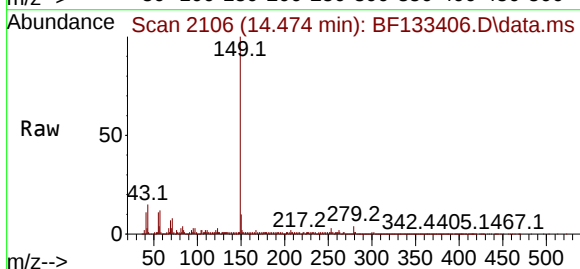
Instrument :
BNA_F
ClientSampleId :
ORA-1639MSD

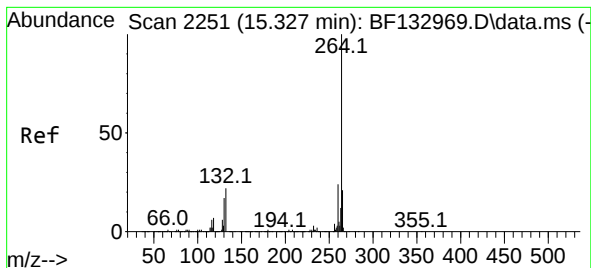
Tgt Ion:149 Resp: 205124
Ion Ratio Lower Upper
149 100
167 27.1 22.5 33.7
279 3.9 4.2 6.4#



#85
Di-n-octyl phthalate
Concen: 11.027 ng
RT: 14.474 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BF133406.D
Acq: 16 May 2023 17:10

Tgt Ion:149 Resp: 332126
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 11.8 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: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

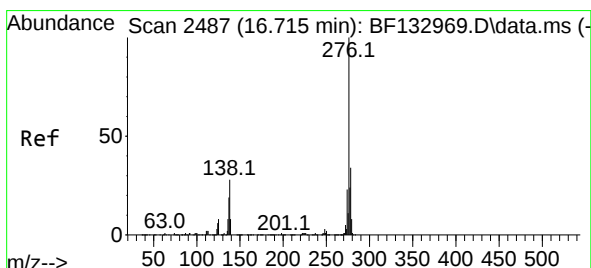
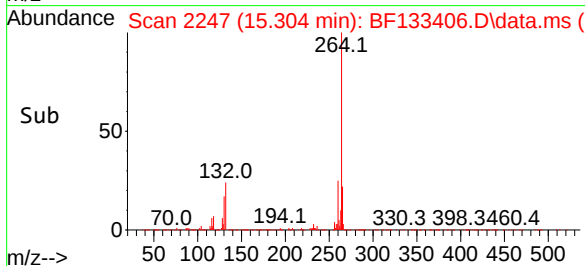
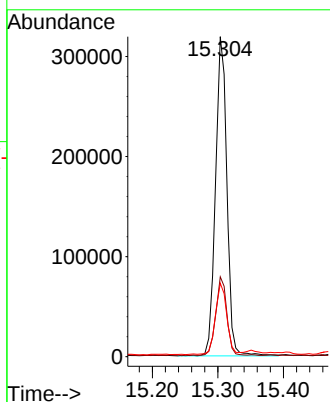
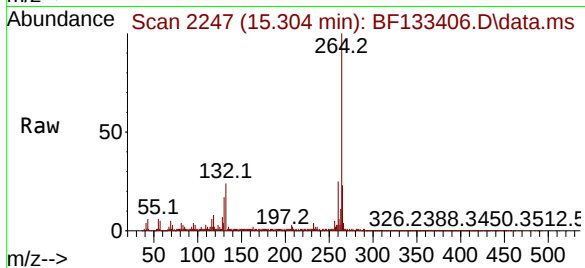
Tgt Ion:264 Resp: 383886

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 23.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.690 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

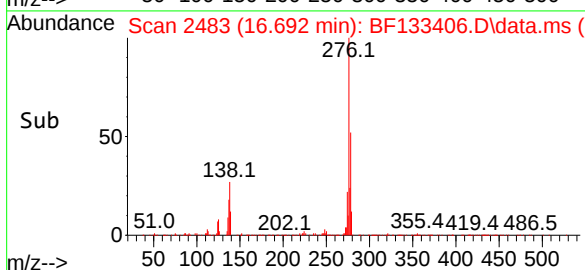
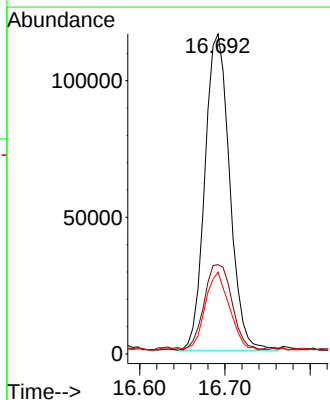
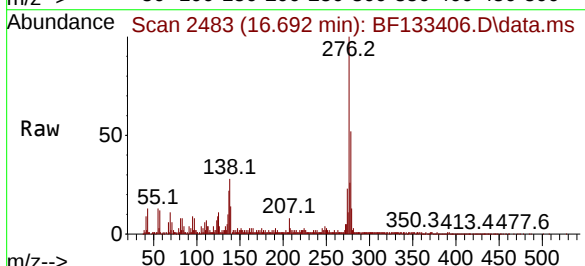
Tgt Ion:276 Resp: 233427

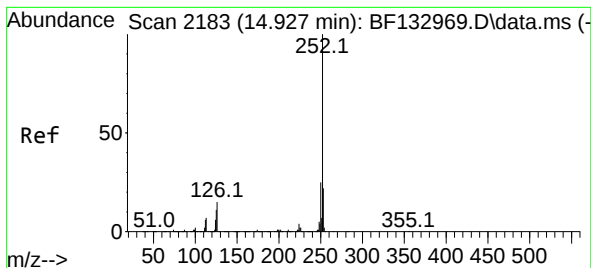
Ion Ratio Lower Upper

276 100

138 30.3 25.5 38.3

277 25.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.611 ng

RT: 14.898 min Scan# 2182

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

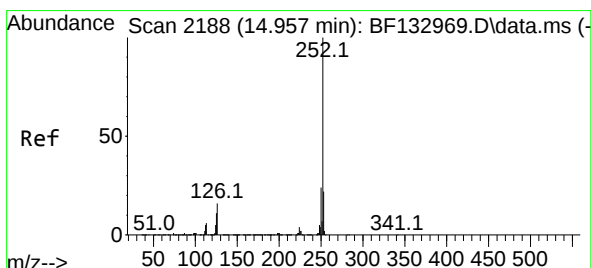
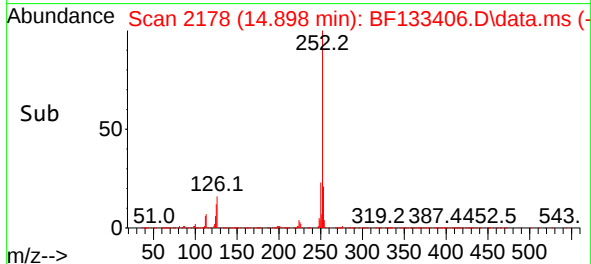
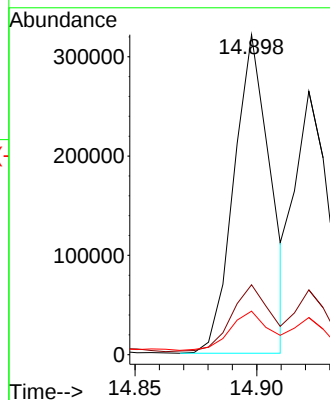
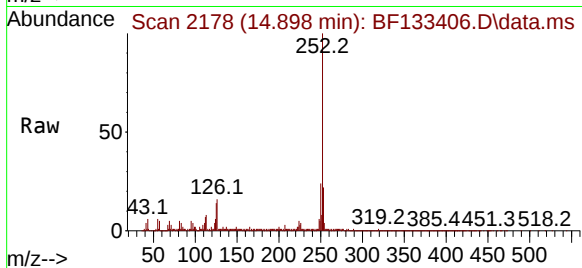
Tgt Ion:252 Resp: 332404

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 13.6 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 10.415 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

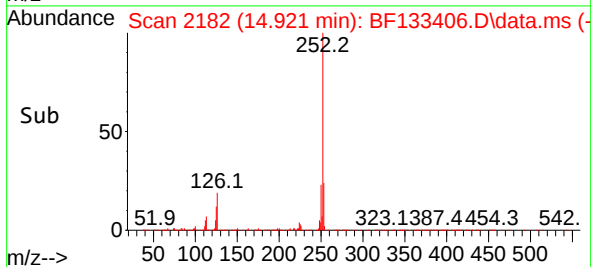
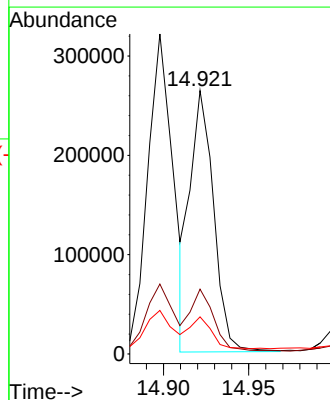
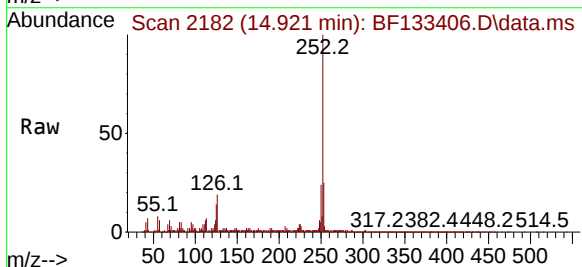
Tgt Ion:252 Resp: 252150

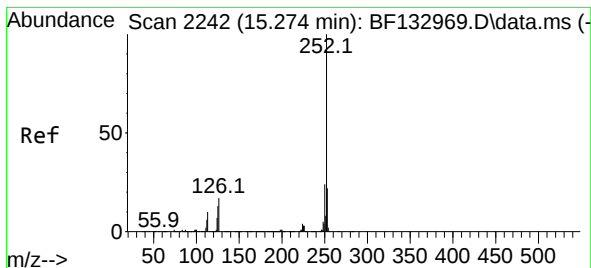
Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

125 14.1 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 11.979 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD

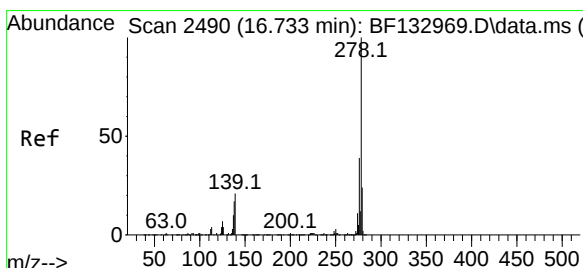
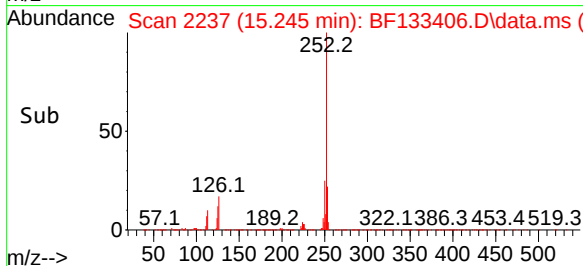
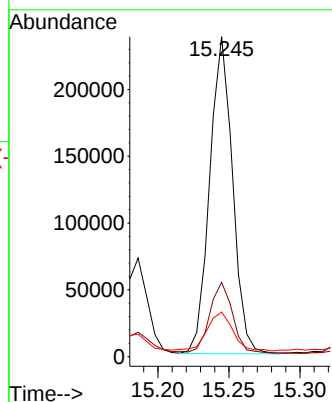
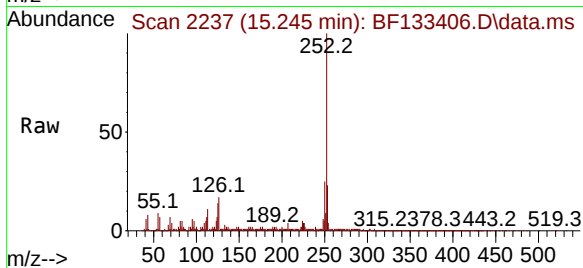
Tgt Ion:252 Resp: 266281

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 13.9 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 8.732 ng

RT: 16.704 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BF133406.D

Acq: 16 May 2023 17:10

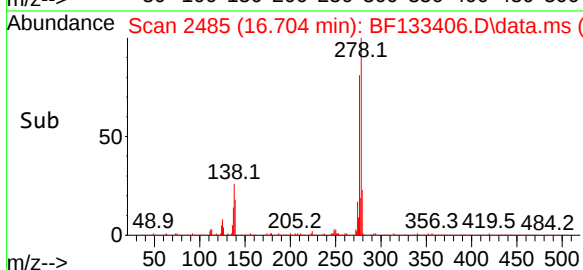
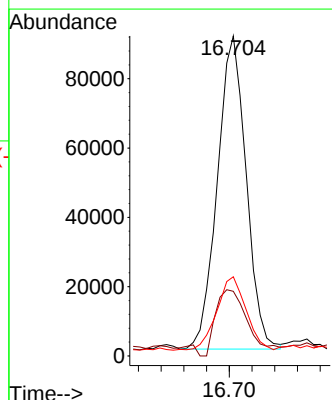
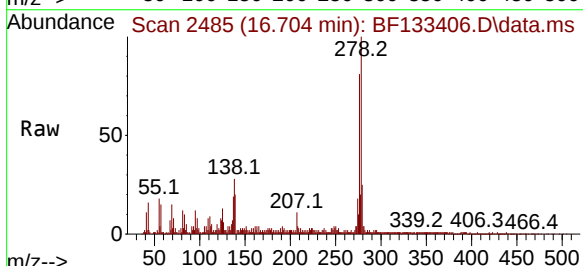
Tgt Ion:278 Resp: 159024

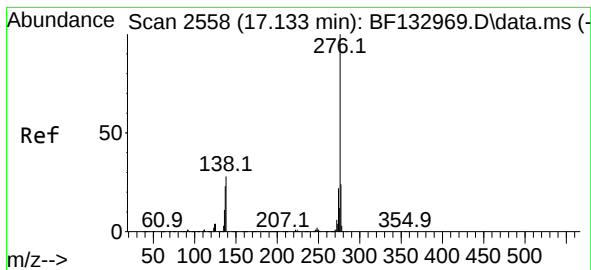
Ion Ratio Lower Upper

278 100

139 20.2 16.6 24.8

279 24.7 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 11.408 ng

RT: 17.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133406.D

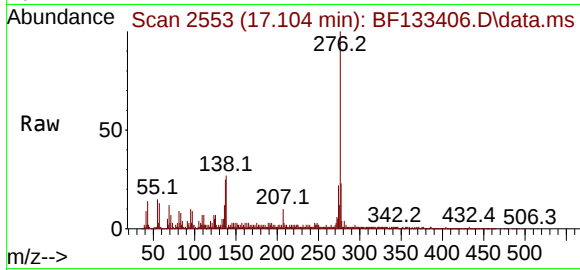
Acq: 16 May 2023 17:10

Instrument :

BNA_F

ClientSampleId :

ORA-1639MSD



Tgt Ion:276 Resp: 205128

Ion Ratio Lower Upper

276 100

277 22.9 19.4 29.0

138 27.3 22.7 34.1

