

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133025.D
 Acq On : 25 Apr 2023 11:31
 Operator : CG\JU
 Sample : PB152241BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB152241BS

Quant Time: Apr 25 12:03:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	242047	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	982778	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	531936	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	928804	20.000	ng	0.00
76) Chrysene-d12	13.904	240	586997	20.000	ng	0.00
86) Perylene-d12	15.321	264	484539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1712153	106.855	ng	0.02
7) Phenol-d6	6.398	99	2012747	101.204	ng	0.01
23) Nitrobenzene-d5	7.316	82	1239168	68.058	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	558079	104.321	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	2180918	68.592	ng	0.00
79) Terphenyl-d14	12.857	244	2371968	69.691	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.534	88	316787	42.624	ng	98
3) Pyridine	3.228	79	785120	39.774	ng	98
4) n-Nitrosodimethylamine	3.193	42	426752	41.738	ng	94
6) Aniline	6.410	93	886915	34.625	ng	# 10
8) 2-Chlorophenol	6.540	128	715125	43.957	ng	93
9) Benzaldehyde	6.293	77	412428	48.222	ng	98
10) Phenol	6.410	94	897382	40.901	ng	78
11) bis(2-Chloroethyl)ether	6.487	93	708495	43.033	ng	99
12) 1,3-Dichlorobenzene	6.687	146	762810	44.102	ng	99
13) 1,4-Dichlorobenzene	6.763	146	777355	44.843	ng	99
14) 1,2-Dichlorobenzene	6.922	146	719818	45.040	ng	99
15) Benzyl Alcohol	6.898	79	554481	40.361	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.028	45	1186447	41.490	ng	95
17) 2-Methylphenol	7.010	107	634519	42.594	ng	97
18) Hexachloroethane	7.257	117	276031	45.800	ng	92
19) n-Nitroso-di-n-propyla...	7.169	70	500185	40.398	ng	98
20) 3+4-Methylphenols	7.169	107	729806	41.600	ng	# 76
22) Acetophenone	7.157	105	1007548	44.257	ng	# 96
24) Nitrobenzene	7.334	77	765131	41.470	ng	98
25) Isophorone	7.575	82	1449893	41.941	ng	99
26) 2-Nitrophenol	7.651	139	414393	46.566	ng	92
27) 2,4-Dimethylphenol	7.692	122	685986	44.955	ng	98
28) bis(2-Chloroethoxy)met...	7.787	93	865762	42.334	ng	100
29) 2,4-Dichlorophenol	7.898	162	620139	44.642	ng	98
30) 1,2,4-Trichlorobenzene	7.975	180	644665	44.796	ng	100
31) Naphthalene	8.057	128	2047466	41.670	ng	99
32) Benzoic acid	7.834	122	523480	55.538	ng	97
33) 4-Chloroaniline	8.104	127	348409	17.550	ng	97
34) Hexachlorobutadiene	8.175	225	354750	44.476	ng	98
35) Caprolactam	8.487	113	138557	29.691	ng	90
36) 4-Chloro-3-methylphenol	8.592	107	678784	45.313	ng	97
37) 2-Methylnaphthalene	8.745	142	1381898	41.137	ng	98
38) 1-Methylnaphthalene	8.845	142	1384301	44.050	ng	100
40) 1,2,4,5-Tetrachloroben...	8.916	216	585817	40.960	ng	99
41) Hexachlorocyclopentadiene	8.904	237	825079	98.917	ng	98
43) 2,4,6-Trichlorophenol	9.028	196	425001	42.968	ng	99

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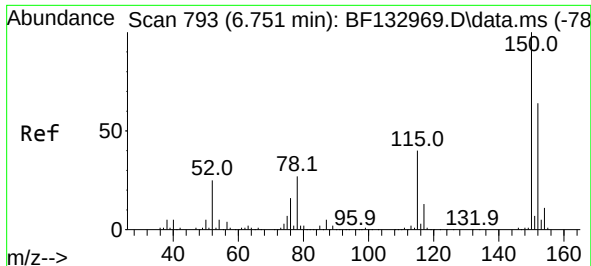
Quant Time: Apr 25 12:03:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.069	196	458328	40.066	ng	97
46) 1,1'-Biphenyl	9.210	154	1743217	41.328	ng	100
47) 2-Chloronaphthalene	9.234	162	1316632	42.647	ng	99
48) 2-Nitroaniline	9.328	65	421829	41.342	ng	95
49) Acenaphthylene	9.651	152	2010572	40.757	ng	99
50) Dimethylphthalate	9.516	163	1535751	41.405	ng	99
51) 2,6-Dinitrotoluene	9.575	165	358759	42.974	ng	90
52) Acenaphthene	9.822	154	1306981	39.558	ng	99
53) 3-Nitroaniline	9.739	138	287935	29.008	ng	99
54) 2,4-Dinitrophenol	9.851	184	431324	102.789	ng	# 88
55) Dibenzofuran	9.992	168	1829258	40.588	ng	99
56) 4-Nitrophenol	9.916	139	684759	89.068	ng	97
57) 2,4-Dinitrotoluene	9.981	165	472976	44.426	ng	# 84
58) Fluorene	10.333	166	1334204	40.407	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.110	232	389281	43.895	ng	97
60) Diethylphthalate	10.216	149	1422742	40.610	ng	98
61) 4-Chlorophenyl-phenyle...	10.328	204	642384	39.922	ng	99
62) 4-Nitroaniline	10.363	138	414573	45.442	ng	96
63) Azobenzene	10.486	77	1478177	39.829	ng	99
65) 4,6-Dinitro-2-methylph...	10.386	198	276044	49.034	ng	93
66) n-Nitrosodiphenylamine	10.451	169	1232438	40.907	ng	99
67) 4-Bromophenyl-phenylether	10.816	248	418611	41.556	ng	100
68) Hexachlorobenzene	10.881	284	463791	44.932	ng	99
69) Atrazine	10.980	200	413284	47.607	ng	99
70) Pentachlorophenol	11.075	266	571463	77.736	ng	98
71) Phenanthrene	11.292	178	2015868	40.382	ng	99
72) Anthracene	11.345	178	2076371	40.643	ng	99
73) Carbazole	11.498	167	1887423	41.491	ng	98
74) Di-n-butylphthalate	11.833	149	2213329	42.994	ng	99
75) Fluoranthene	12.480	202	2059329	41.104	ng	97
77) Benzidine	12.604	184	1124740	113.308	ng	# 93
78) Pyrene	12.710	202	2097478	41.683	ng	99
80) Butylbenzylphthalate	13.333	149	898147	50.410	ng	99
81) Benzo(a)anthracene	13.892	228	1638350	40.587	ng	99
82) 3,3'-Dichlorobenzidine	13.857	252	367672	32.972	ng	99
83) Chrysene	13.933	228	1639634	40.629	ng	99
84) Bis(2-ethylhexyl)phtha...	13.898	149	966241	43.207	ng	99
85) Di-n-octyl phthalate	14.504	149	1592192	43.664	ng	98
87) Indeno(1,2,3-cd)pyrene	16.715	276	1413711	51.293	ng	100
88) Benzo(b)fluoranthene	14.921	252	1358434	44.068	ng	97
89) Benzo(k)fluoranthene	14.951	252	1314710	43.025	ng	99
90) Benzo(a)pyrene	15.268	252	1144322	40.784	ng	99
91) Dibenzo(a,h)anthracene	16.733	278	1181848	51.412	ng	99
92) Benzo(g,h,i)perylene	17.139	276	1187546	52.327	ng	98

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

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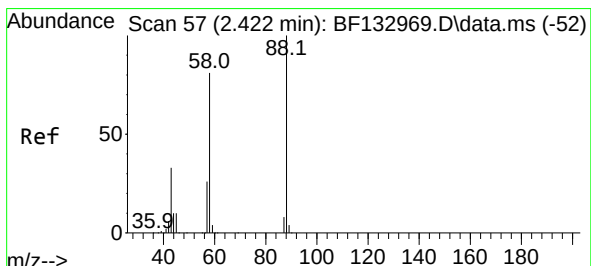
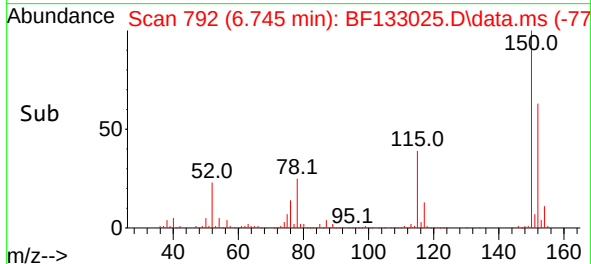
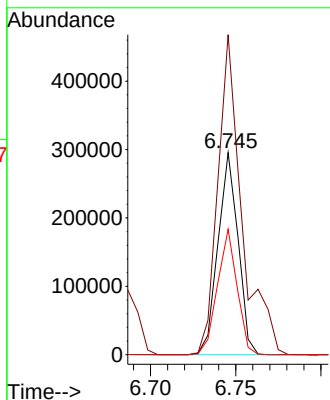
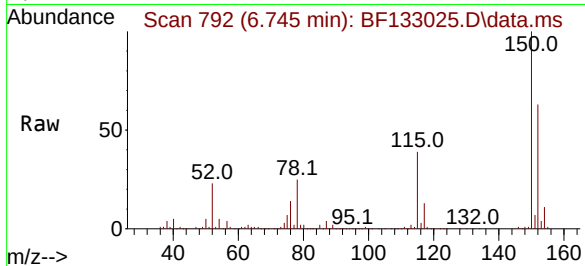




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF133025.D
 Acq: 25 Apr 2023 11:31

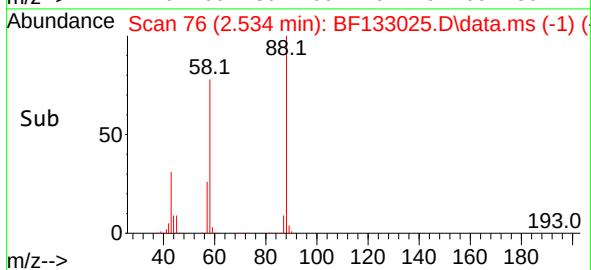
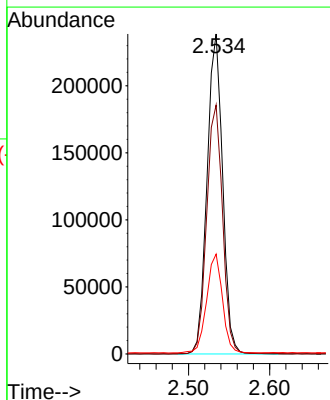
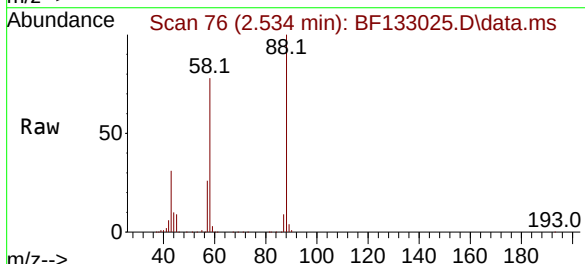
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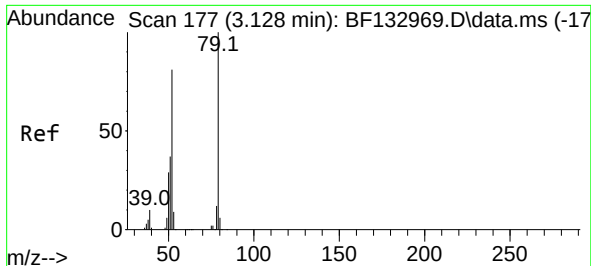
Tgt Ion:152 Resp: 242047
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.8 187.2
 115 62.1 49.9 74.9



#2
 1,4-Dioxane
 Concen: 42.624 ng
 RT: 2.534 min Scan# 76
 Delta R.T. 0.112 min
 Lab File: BF133025.D
 Acq: 25 Apr 2023 11:31

Tgt Ion: 88 Resp: 316787
 Ion Ratio Lower Upper
 88 100
 58 79.6 64.7 97.1
 43 31.5 26.2 39.2

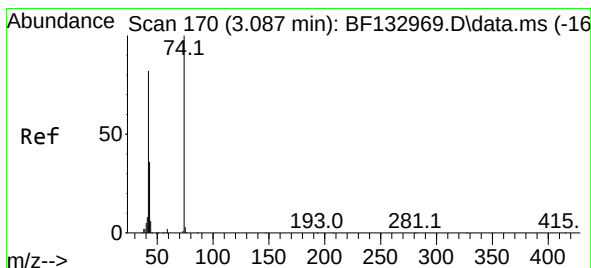
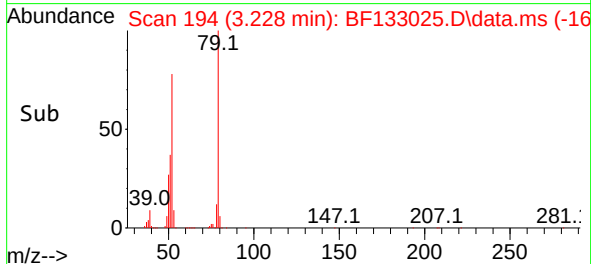
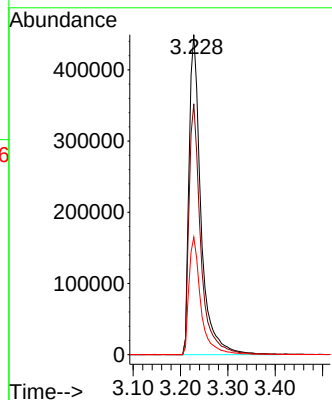
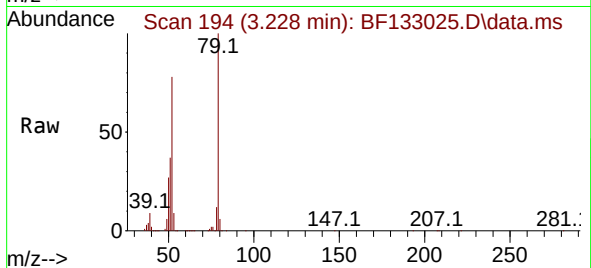




#3
Pyridine
Concen: 39.774 ng
RT: 3.228 min Scan# 188
Delta R.T. 0.100 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

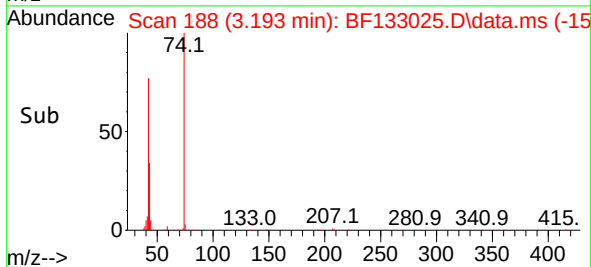
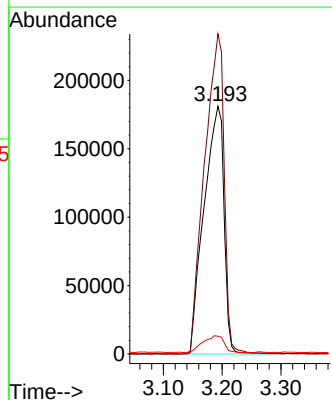
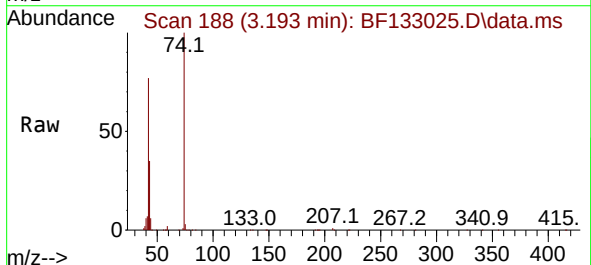
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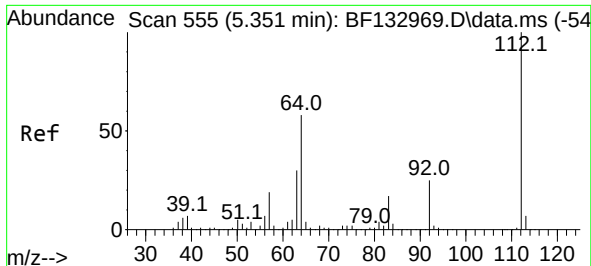
Tgt Ion: 79 Resp: 785120
Ion Ratio Lower Upper
79 100
52 78.4 64.6 96.8
51 36.8 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 41.738 ng
RT: 3.193 min Scan# 188
Delta R.T. 0.106 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion: 42 Resp: 426752
Ion Ratio Lower Upper
42 100
74 129.2 98.0 147.0
44 7.2 5.8 8.8

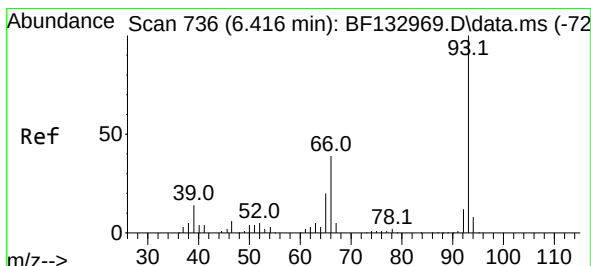
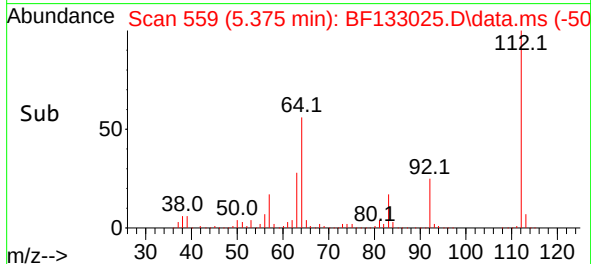
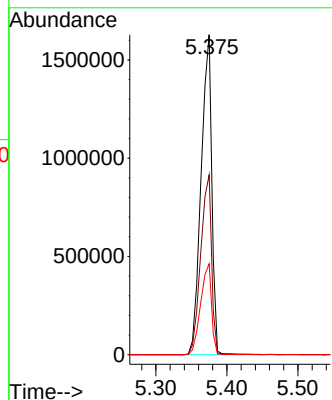
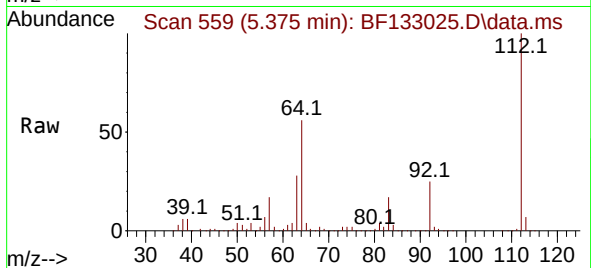




#5
2-Fluorophenol
Concen: 106.855 ng
RT: 5.375 min Scan# 511
Delta R.T. 0.024 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

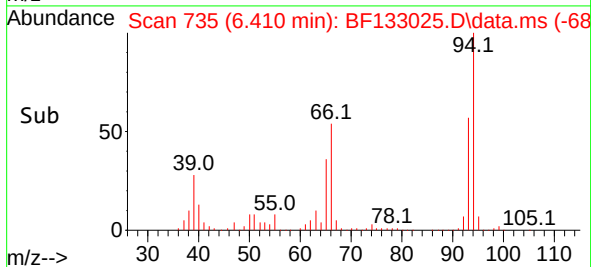
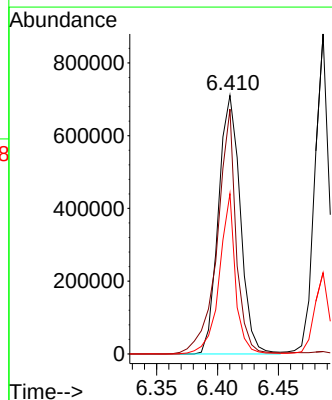
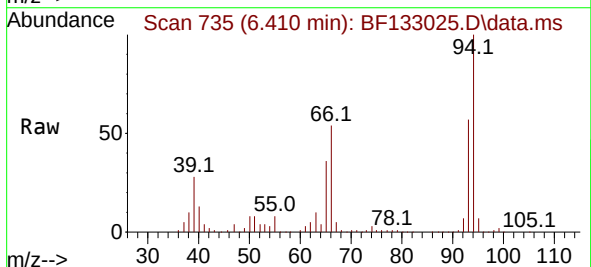
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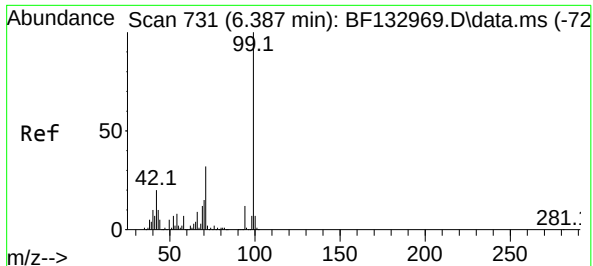
Tgt Ion:112 Resp: 1712153
Ion Ratio Lower Upper
112 100
64 56.2 46.8 70.2
63 28.4 23.8 35.8



#6
Aniline
Concen: 34.625 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion: 93 Resp: 886915
Ion Ratio Lower Upper
93 100
66 94.7 31.5 47.3#
65 62.0 16.4 24.6#

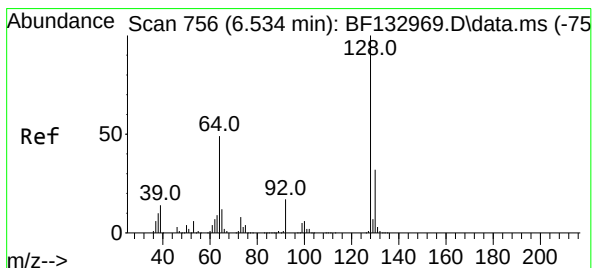
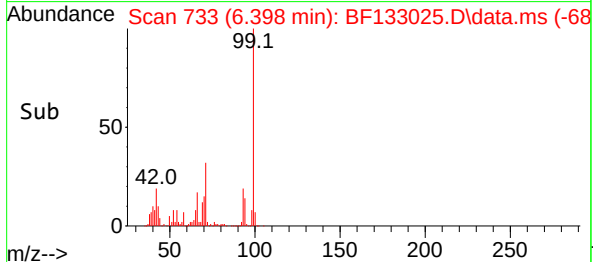
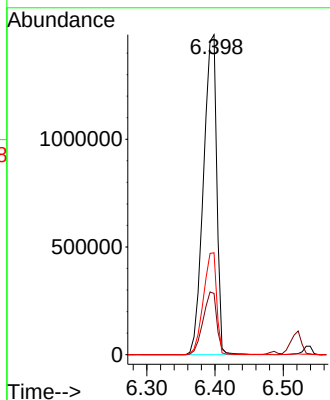
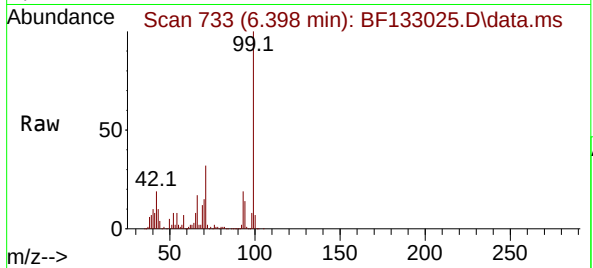




#7
Phenol-d6
Concen: 101.204 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

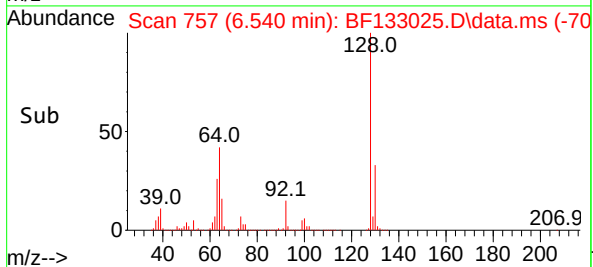
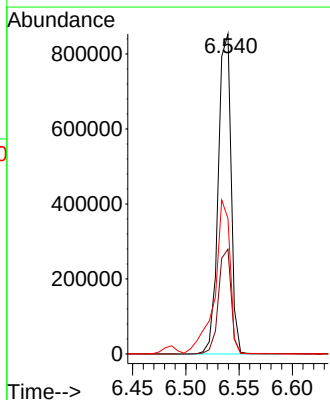
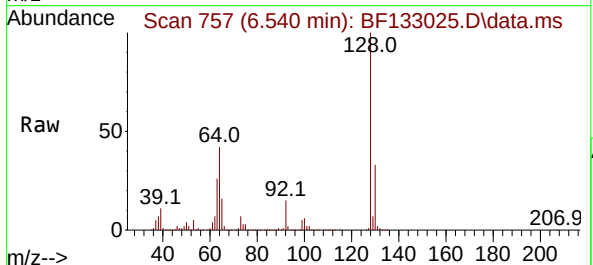
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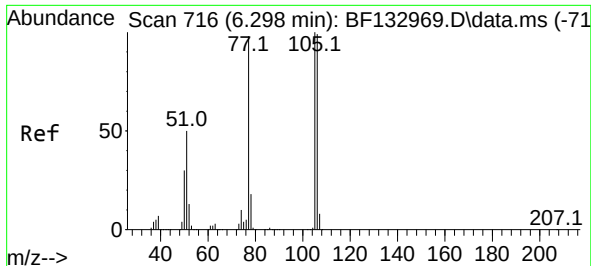
Tgt Ion: 99 Resp: 2012747
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.9 25.6 38.4



#8
2-Chlorophenol
Concen: 43.957 ng
RT: 6.540 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion: 128 Resp: 715125
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 42.3 30.3 70.3

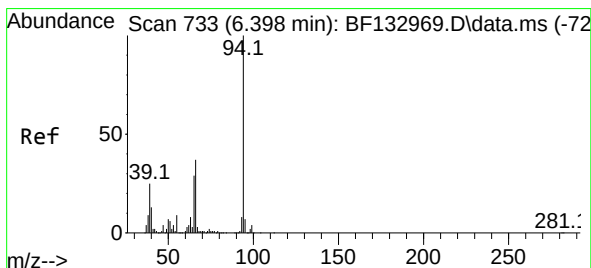
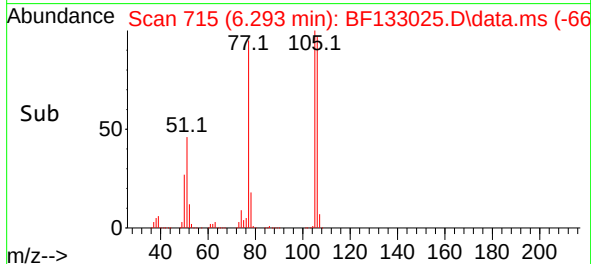
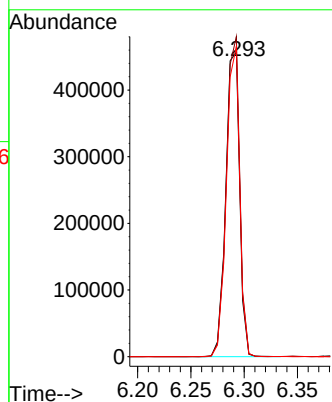
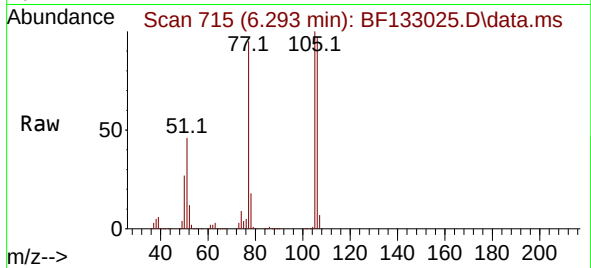




#9
Benzaldehyde
Concen: 48.222 ng
RT: 6.293 min Scan# 716
Delta R.T. -0.005 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

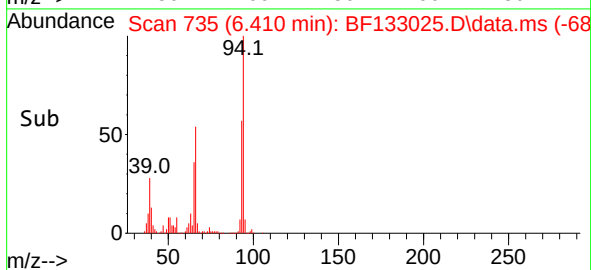
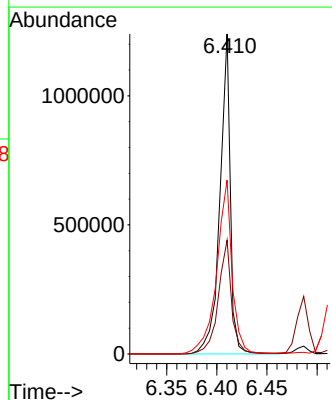
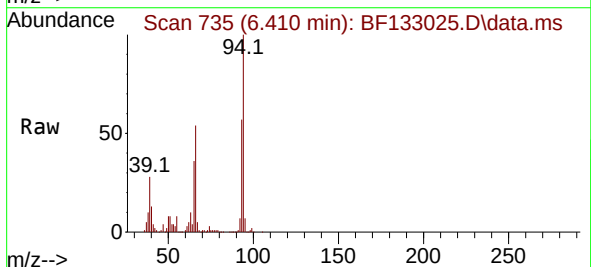
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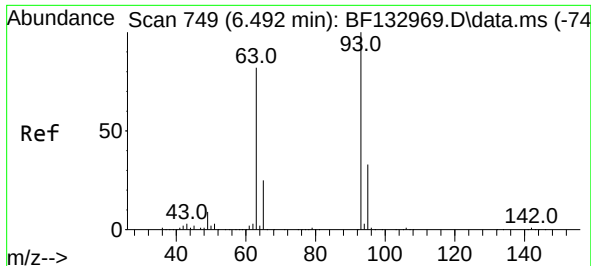
Tgt Ion: 77 Resp: 412428
Ion Ratio Lower Upper
77 100
105 105.0 82.3 122.3
106 101.8 80.8 120.8



#10
Phenol
Concen: 40.901 ng
RT: 6.410 min Scan# 735
Delta R.T. 0.012 min
Lab File: BF133025.D
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Tgt Ion: 94 Resp: 897382
Ion Ratio Lower Upper
94 100
65 35.6 8.6 48.6
66 54.3 17.3 57.3

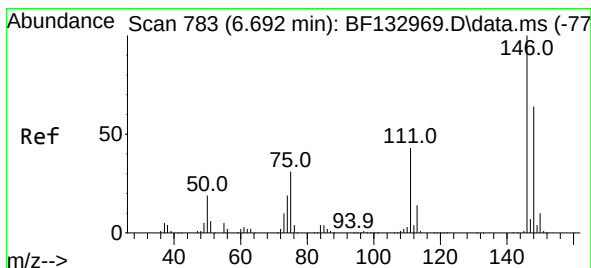
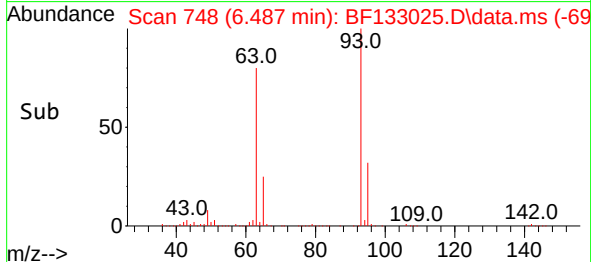
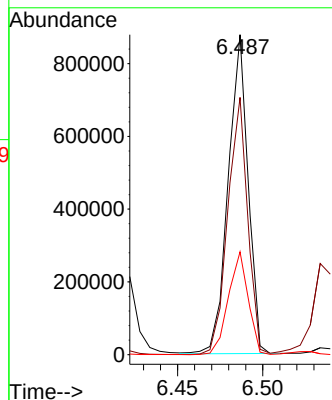
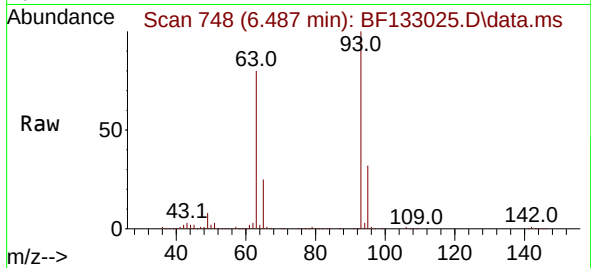




#11
bis(2-Chloroethyl)ether
Concen: 43.033 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

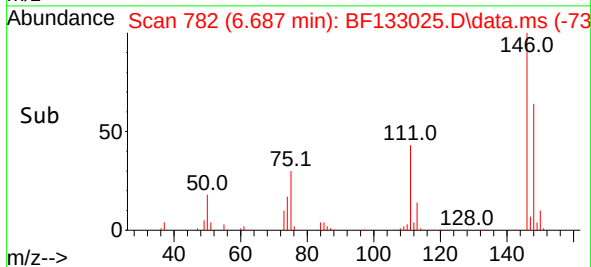
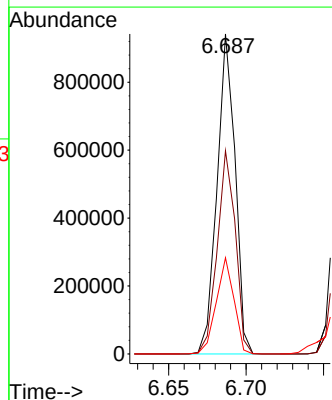
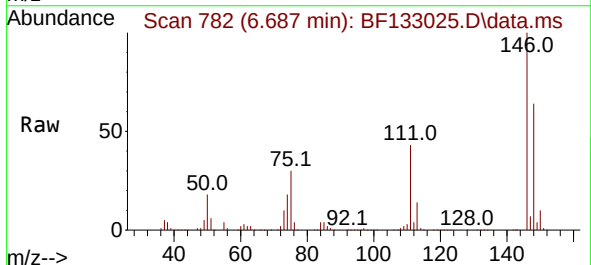
Instrument :
BNA_F
ClientSampleId :
PB152241BS

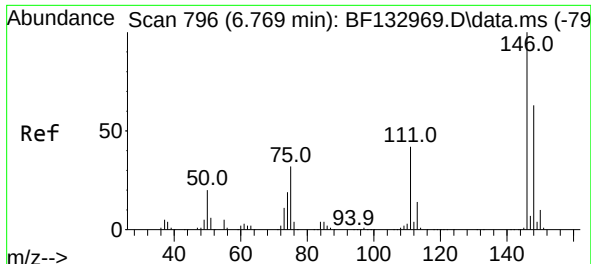
Tgt Ion: 93 Resp: 708495
Ion Ratio Lower Upper
93 100
63 80.4 60.6 100.6
95 32.2 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 44.102 ng
RT: 6.687 min Scan# 782
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:146 Resp: 762810
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
75 30.0 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 44.843 ng

RT: 6.763 min Scan# 796

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

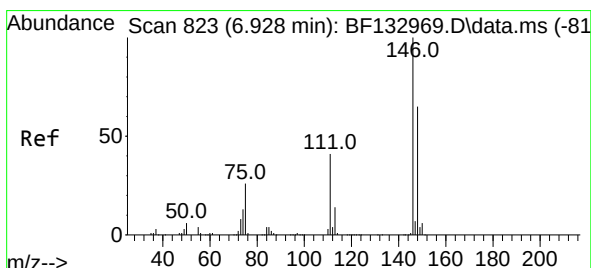
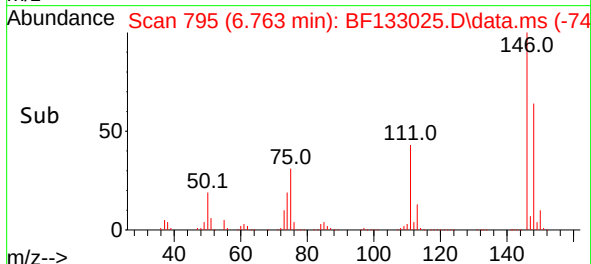
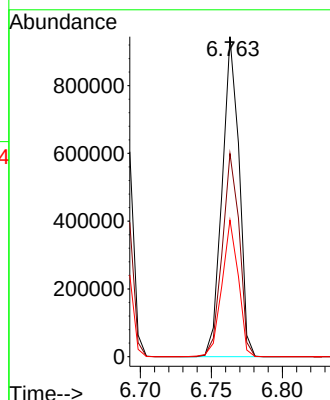
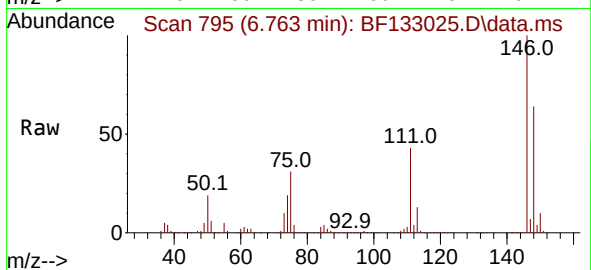
Tgt Ion:146 Resp: 777355

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

111 42.7 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 45.040 ng

RT: 6.922 min Scan# 822

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

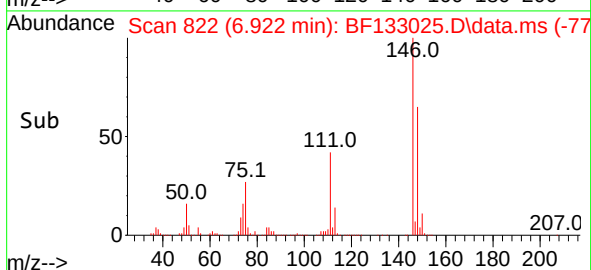
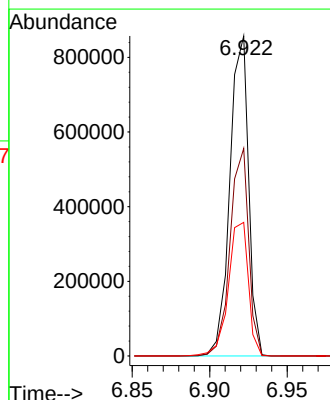
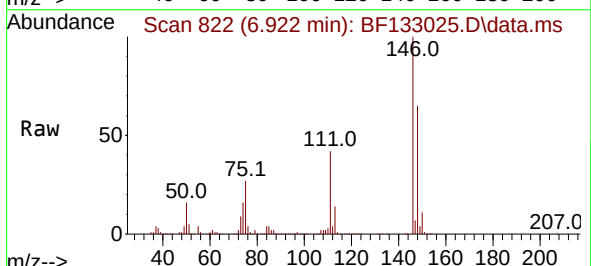
Tgt Ion:146 Resp: 719818

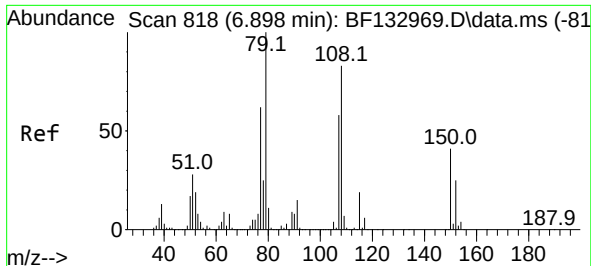
Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.2

111 41.8 32.8 49.2

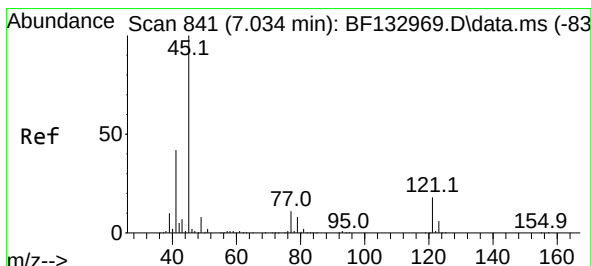
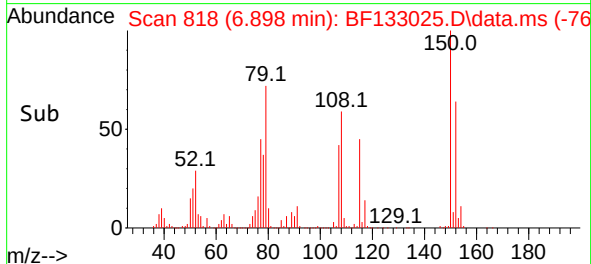
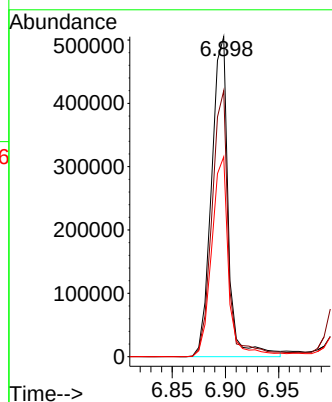
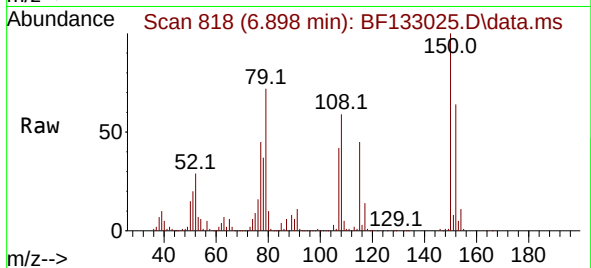




#15
Benzyl Alcohol
Concen: 40.361 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

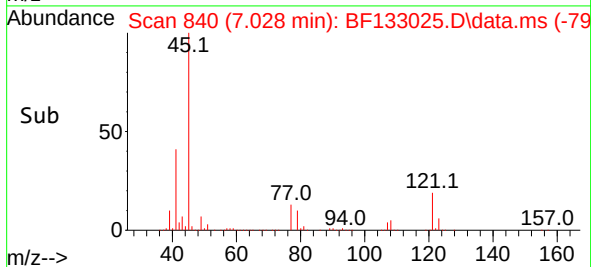
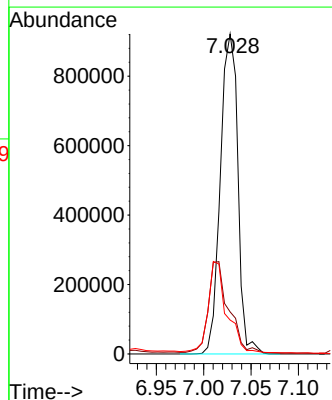
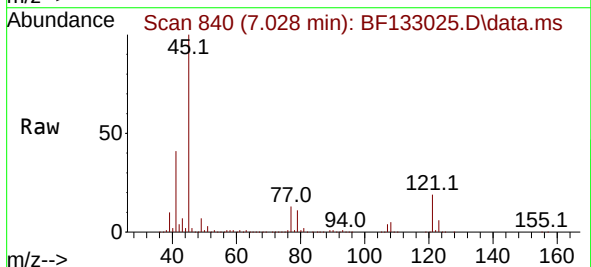
Instrument :
BNA_F
ClientSampleId :
PB152241BS

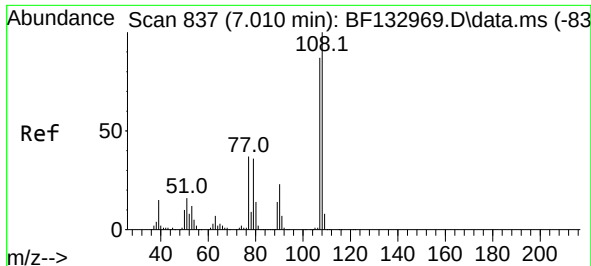
Tgt Ion: 79 Resp: 554481
Ion Ratio Lower Upper
79 100
108 83.1 66.6 99.8
77 62.5 49.2 73.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 41.490 ng
RT: 7.028 min Scan# 840
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion: 45 Resp: 1186447
Ion Ratio Lower Upper
45 100
77 13.2 0.0 31.5
79 10.6 0.0 28.7

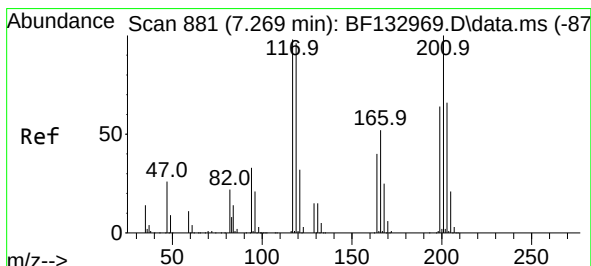
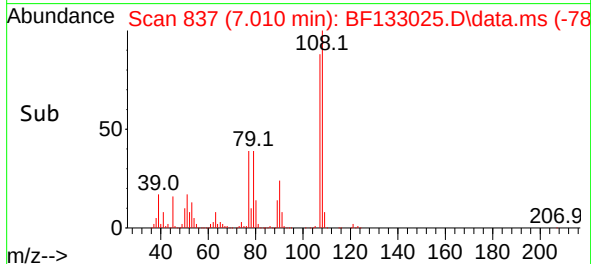
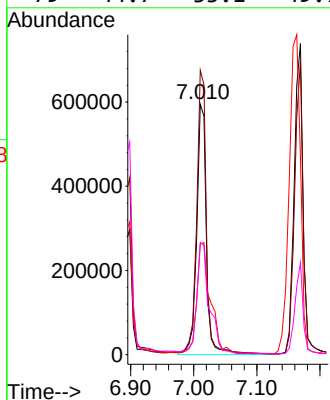
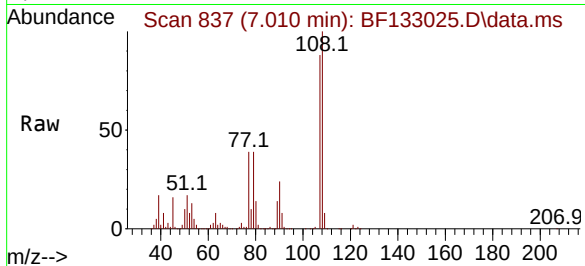




#17
2-Methylphenol
Concen: 42.594 ng
RT: 7.010 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

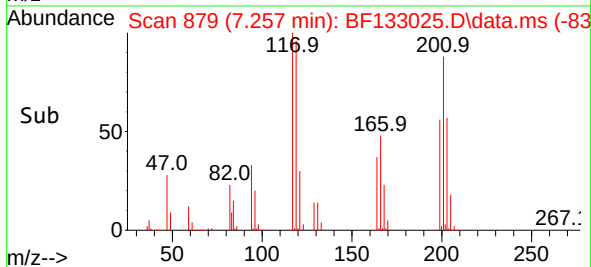
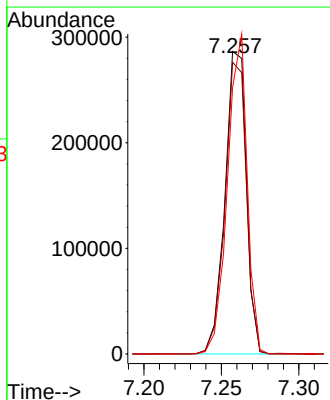
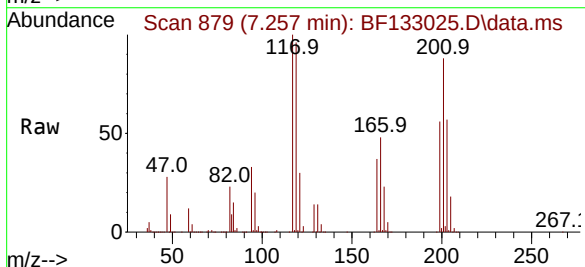
Instrument :
BNA_F
ClientSampleId :
PB152241BS

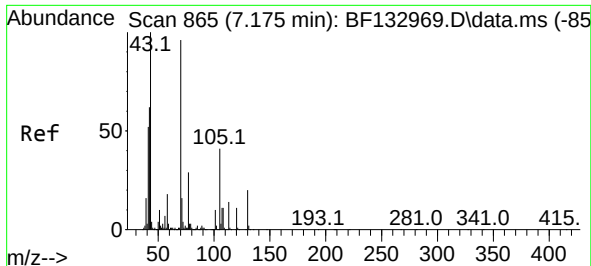
Tgt Ion:	107	Resp:	634519
Ion	Ratio	Lower	Upper
107	100		
108	113.5	92.4	138.6
77	44.3	33.8	50.8
79	44.7	33.1	49.7



#18
Hexachloroethane
Concen: 45.800 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:	117	Resp:	276031
Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.2	117.4
201	88.2	81.7	122.5





#19

n-Nitroso-di-n-propylamine

Concen: 40.398 ng

RT: 7.169 min Scan# 864

Delta R.T. -0.006 min

Lab File: BF133025.D

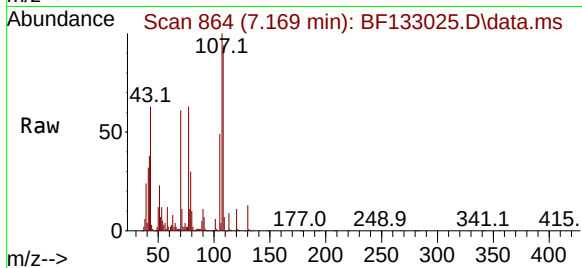
Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS



Tgt Ion: 70 Resp: 500185

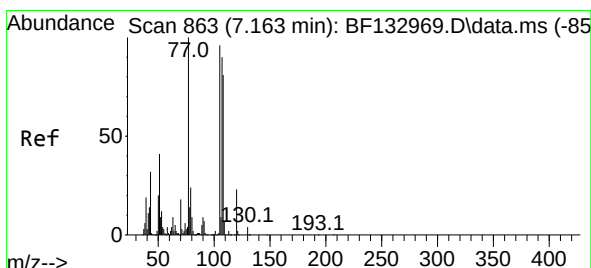
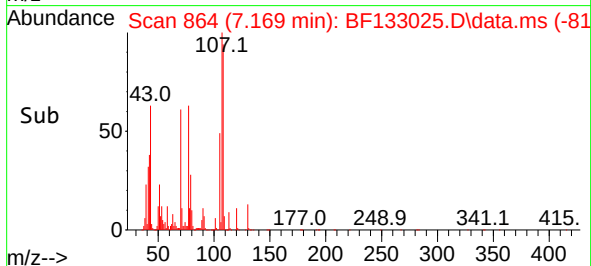
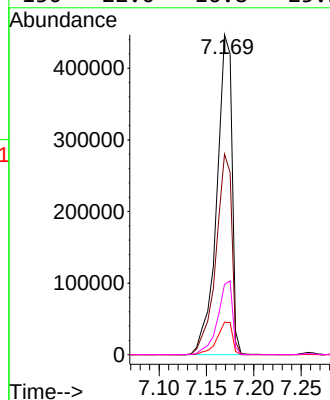
Ion Ratio Lower Upper

70 100

42 62.7 51.8 77.6

101 10.2 8.0 12.0

130 22.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 41.600 ng

RT: 7.169 min Scan# 864

Delta R.T. 0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Tgt Ion: 107 Resp: 729806

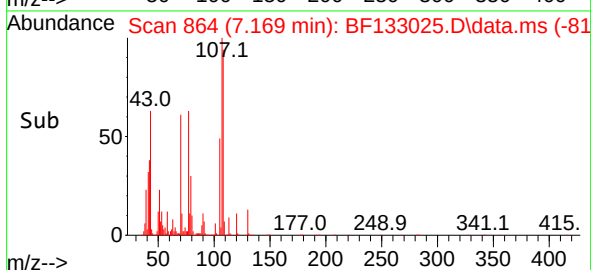
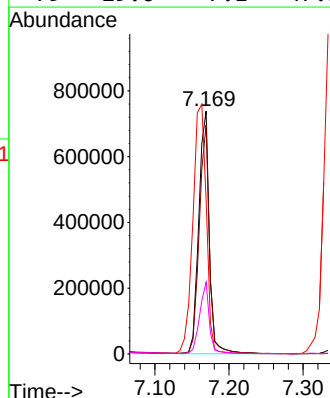
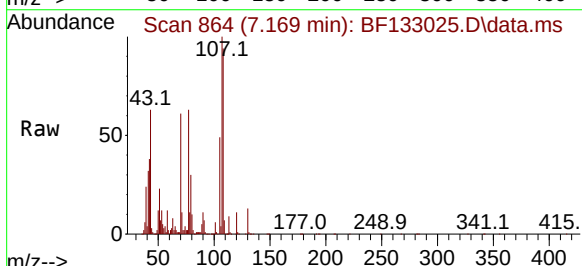
Ion Ratio Lower Upper

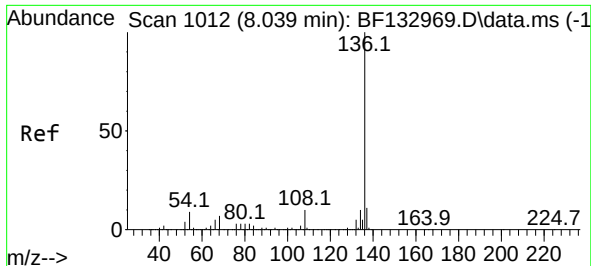
107 100

108 94.2 70.5 110.5

77 63.4 91.7 131.7

79 29.6 7.1 47.1

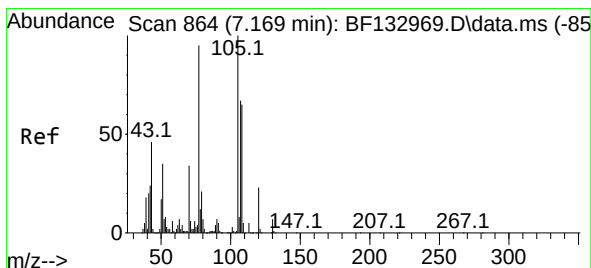
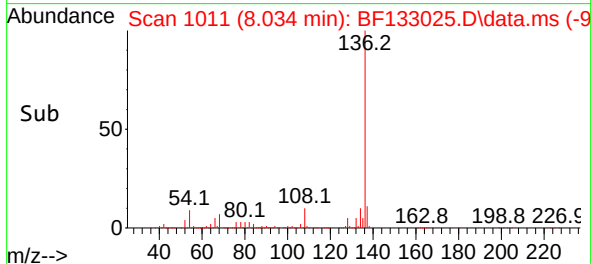
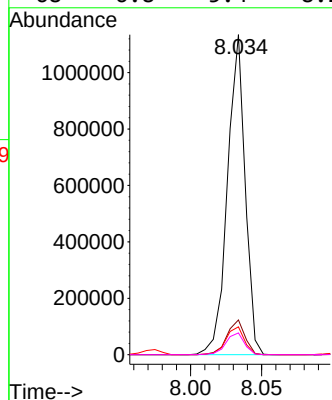
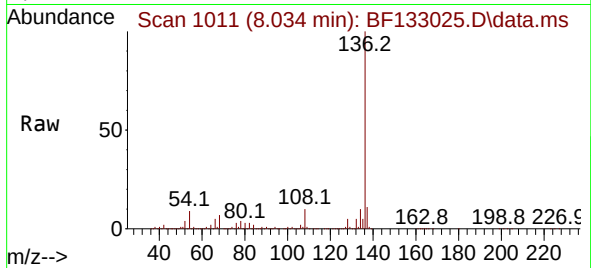




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

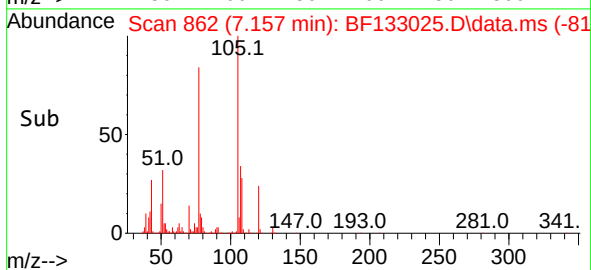
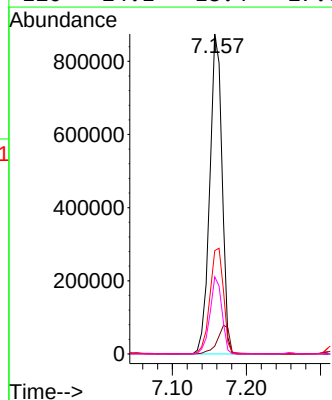
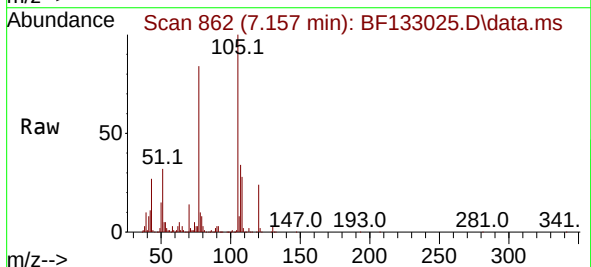
Instrument :
BNA_F
ClientSampleId :
PB152241BS

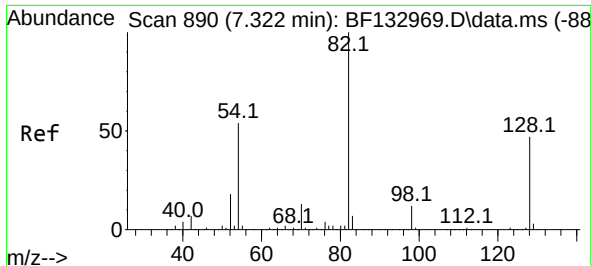
Tgt Ion:136 Resp: 982778
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 7.0 10.4
68 6.8 5.4 8.2



#22
Acetophenone
Concen: 44.257 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.012 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:105 Resp: 1007548
Ion Ratio Lower Upper
105 100
71 2.4 4.6 7.0#
51 32.3 28.2 42.2
120 24.1 18.4 27.6





#23

Nitrobenzene-d5

Concen: 68.058 ng

RT: 7.316 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

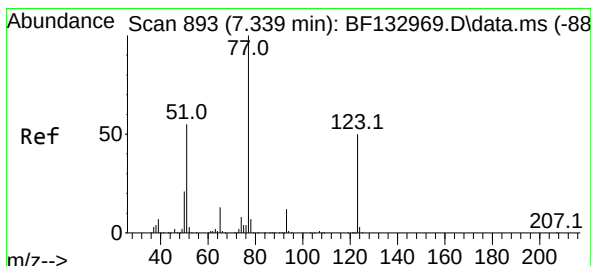
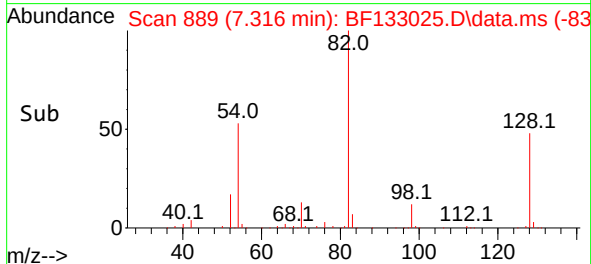
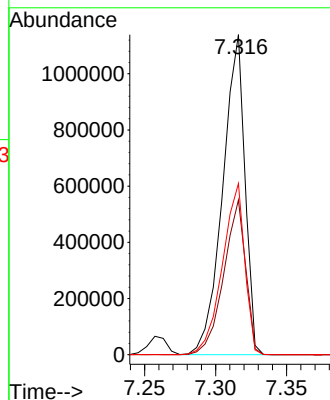
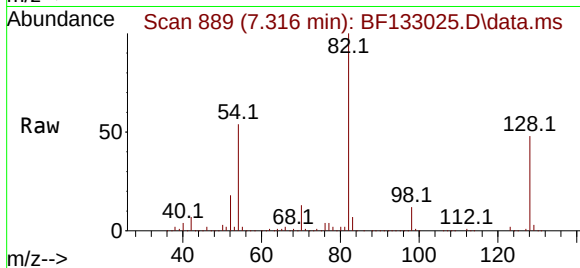
BNA_F

ClientSampleId :

PB152241BS

Tgt Ion: 82 Resp: 1239168

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	53.5	43.0	64.4



#24

Nitrobenzene

Concen: 41.470 ng

RT: 7.334 min Scan# 892

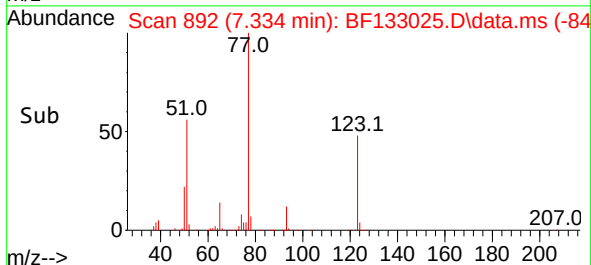
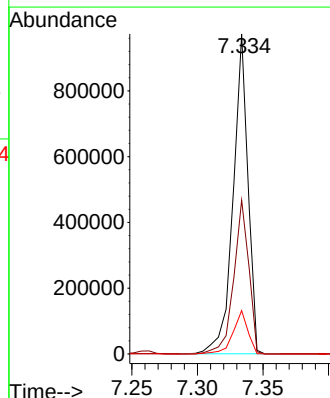
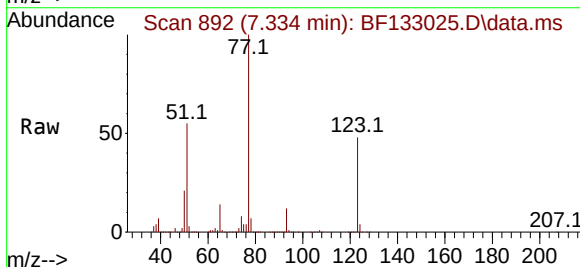
Delta R.T. -0.006 min

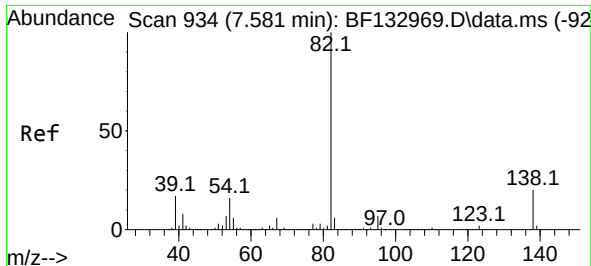
Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Tgt Ion: 77 Resp: 765131

Ion	Ratio	Lower	Upper
77	100		
123	48.1	39.9	59.9
65	13.6	10.7	16.1

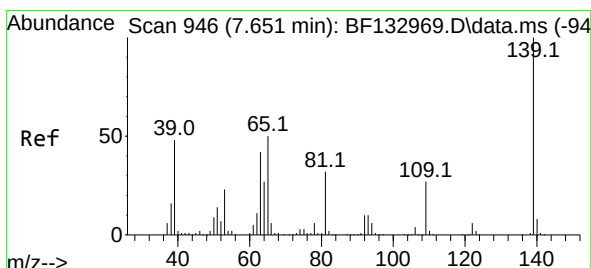
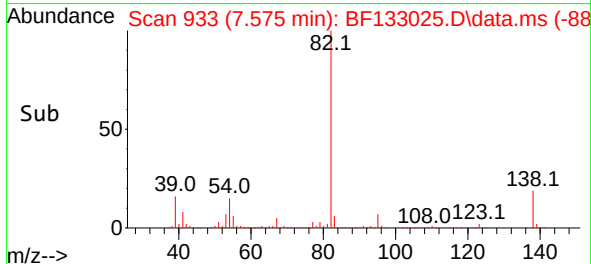
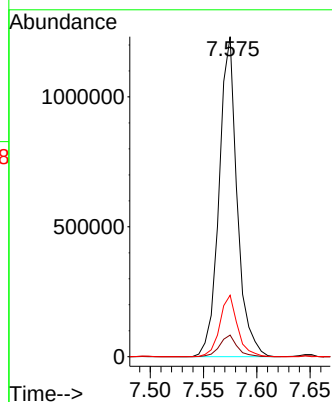
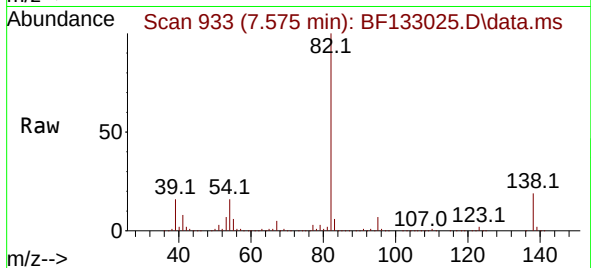




#25
Isophorone
Concen: 41.941 ng
RT: 7.575 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

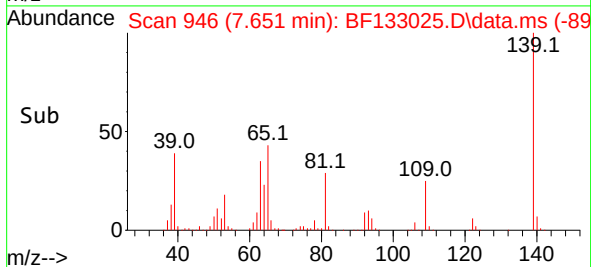
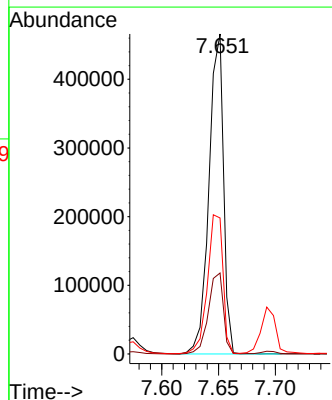
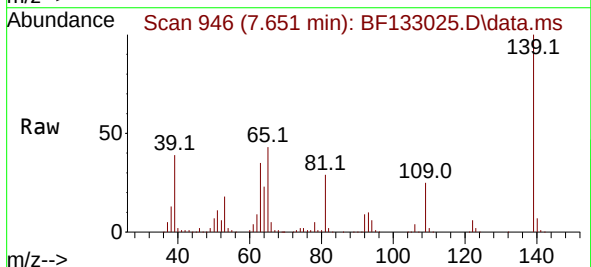
Instrument :
BNA_F
ClientSampleId :
PB152241BS

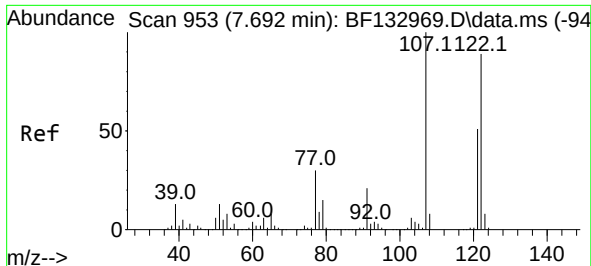
Tgt Ion: 82 Resp: 1449893
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 19.2 16.0 24.0



#26
2-Nitrophenol
Concen: 46.566 ng
RT: 7.651 min Scan# 946
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:139 Resp: 414393
Ion Ratio Lower Upper
139 100
109 25.3 21.6 32.4
65 42.5 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 44.955 ng

RT: 7.692 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

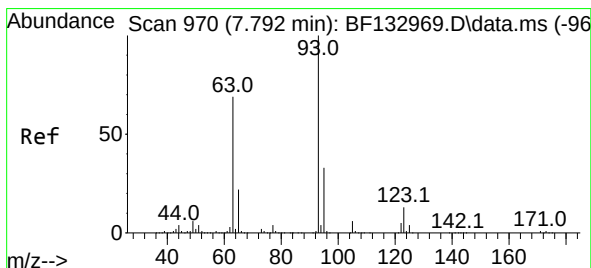
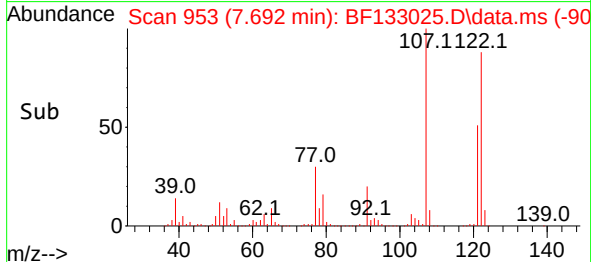
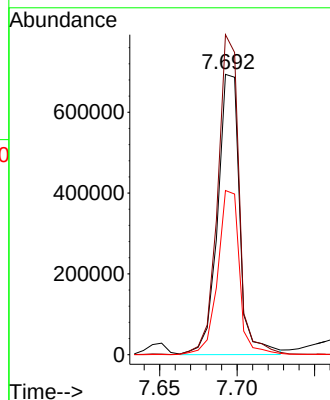
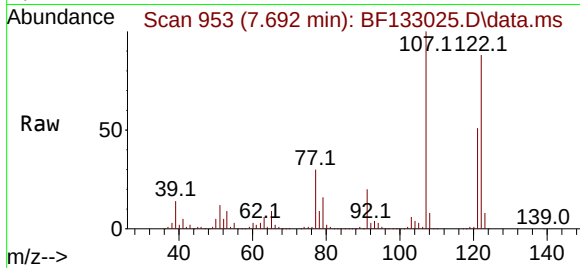
Tgt Ion:122 Resp: 685986

Ion Ratio Lower Upper

122 100

107 114.1 89.7 134.5

121 58.5 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 42.334 ng

RT: 7.787 min Scan# 969

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

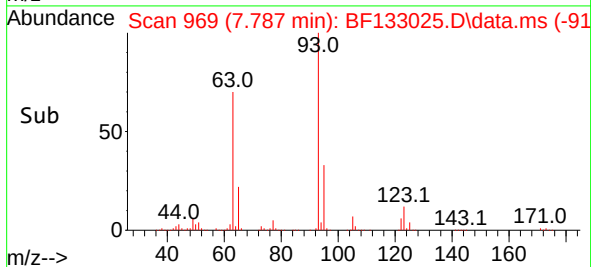
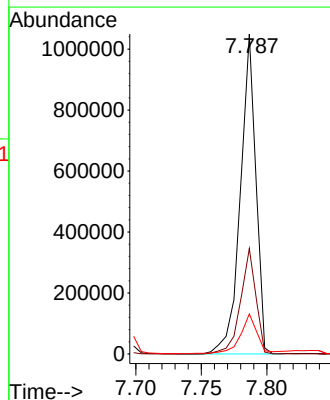
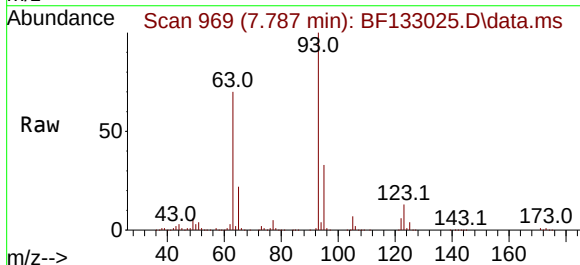
Tgt Ion: 93 Resp: 865762

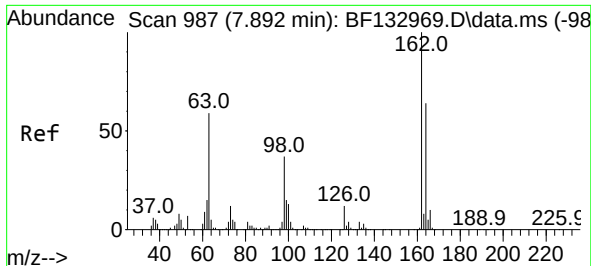
Ion Ratio Lower Upper

93 100

95 33.0 26.4 39.6

123 12.5 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 44.642 ng

RT: 7.898 min Scan# 98

Delta R.T. 0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

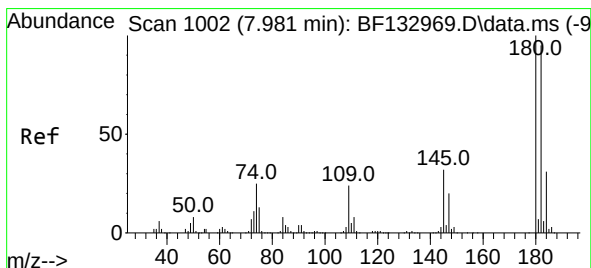
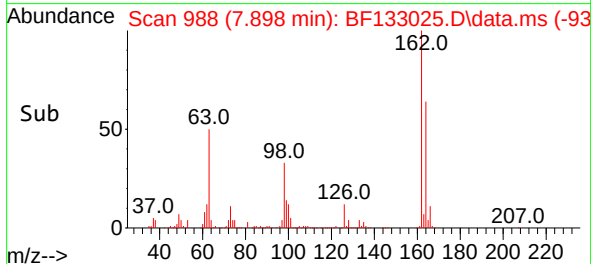
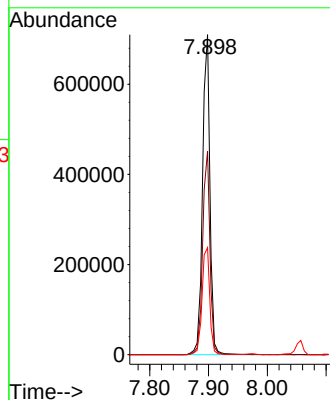
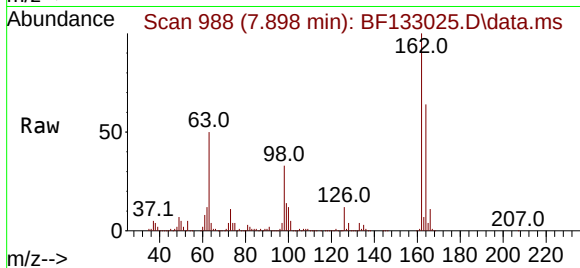
Tgt Ion:162 Resp: 620139

Ion Ratio Lower Upper

162 100

164 63.6 43.9 83.9

98 33.5 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 44.796 ng

RT: 7.975 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

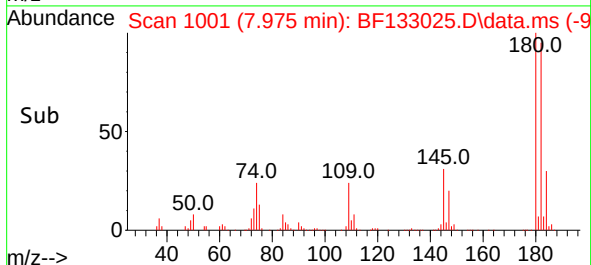
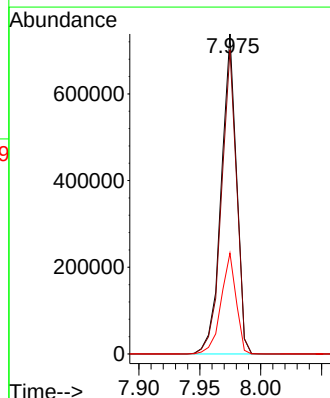
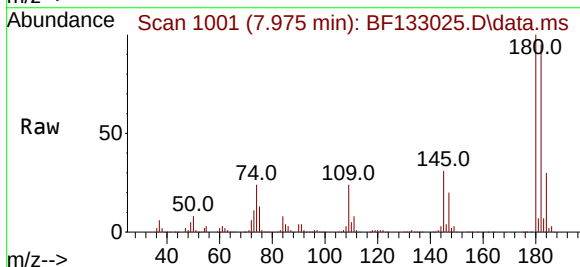
Tgt Ion:180 Resp: 644665

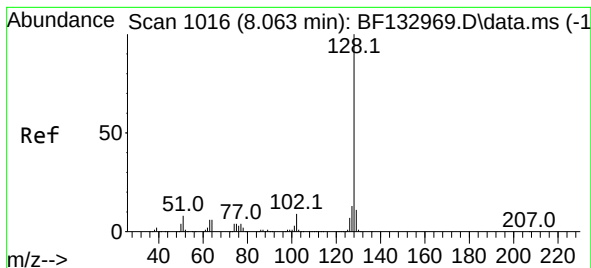
Ion Ratio Lower Upper

180 100

182 95.1 75.9 113.9

145 31.5 25.3 37.9





#31

Naphthalene

Concen: 41.670 ng

RT: 8.057 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

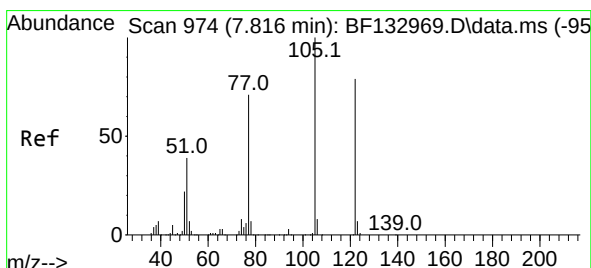
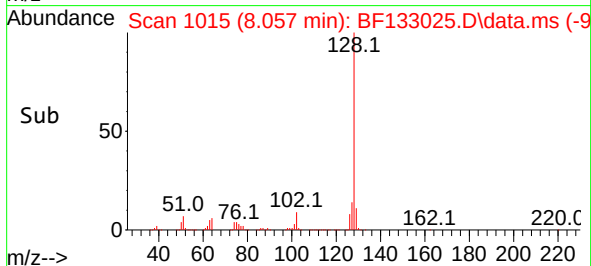
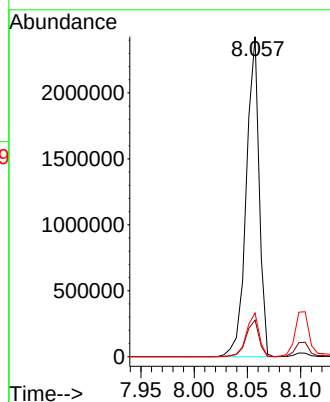
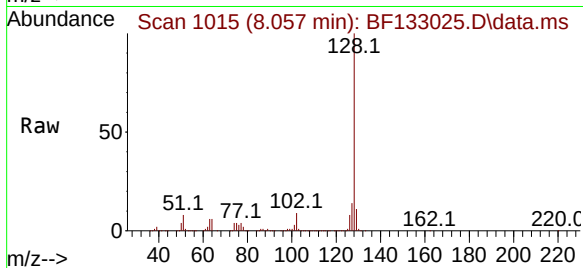
Tgt Ion:128 Resp: 2047466

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

127 13.7 10.7 16.1



#32

Benzoic acid

Concen: 55.538 ng

RT: 7.834 min Scan# 977

Delta R.T. 0.018 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

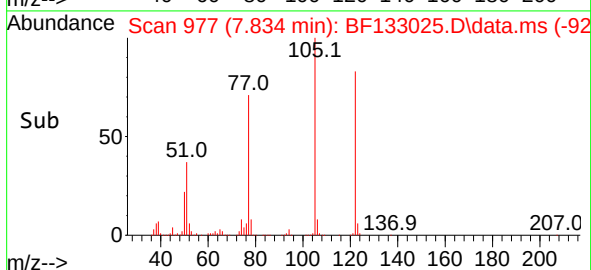
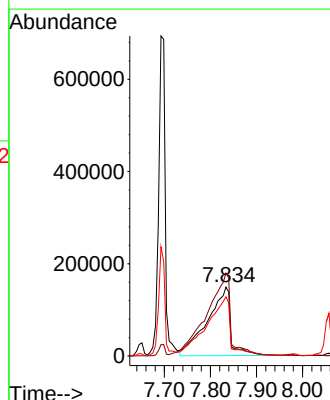
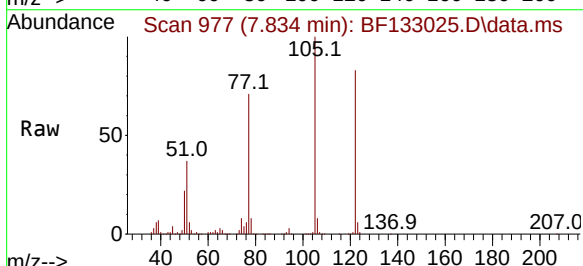
Tgt Ion:122 Resp: 523480

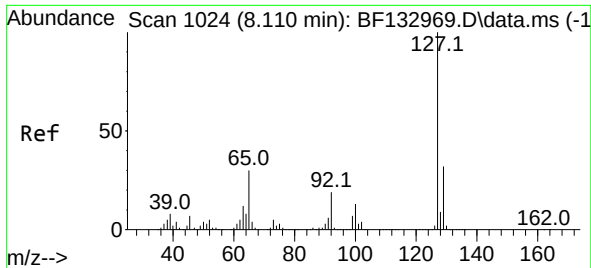
Ion Ratio Lower Upper

122 100

105 120.6 104.2 144.2

77 86.0 69.7 109.7

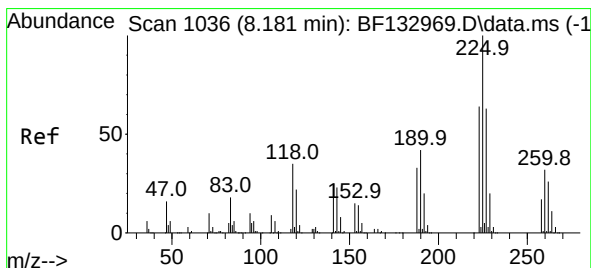
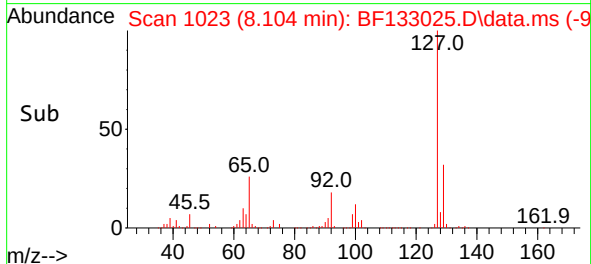
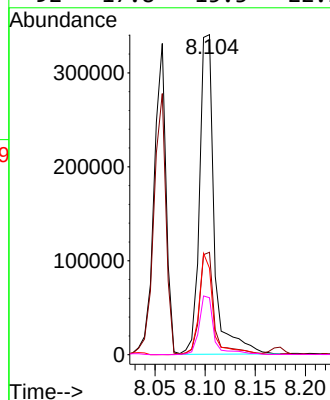
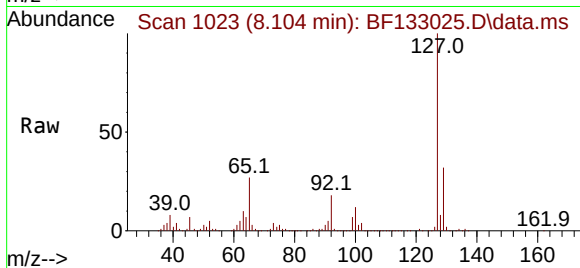




#33
4-Chloroaniline
Concen: 17.550 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

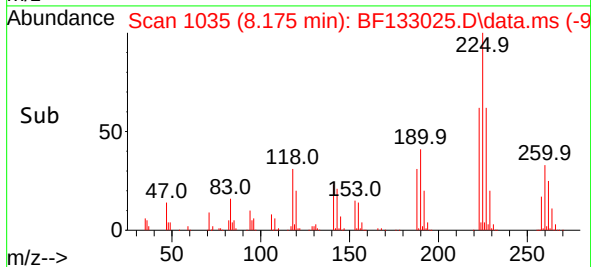
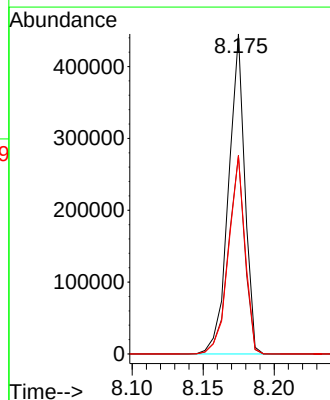
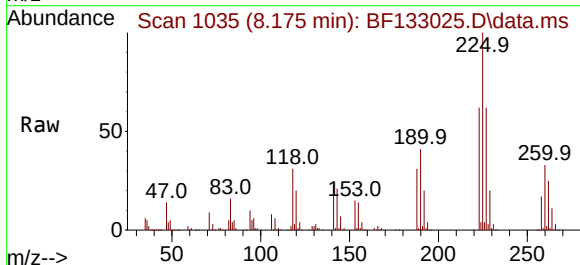
Instrument :
BNA_F
ClientSampleId :
PB152241BS

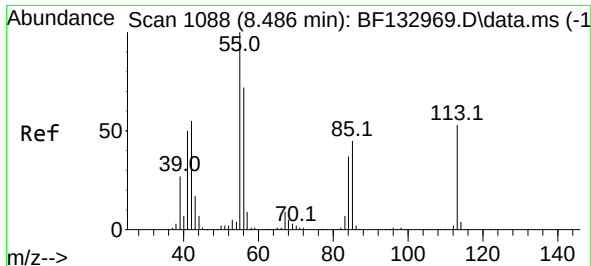
Tgt Ion:	127	Resp:	348409
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.8
65	27.0	23.6	35.4
92	17.8	15.3	22.9



#34
Hexachlorobutadiene
Concen: 44.476 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:	225	Resp:	354750
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.9	76.3
227	62.0	50.3	75.5

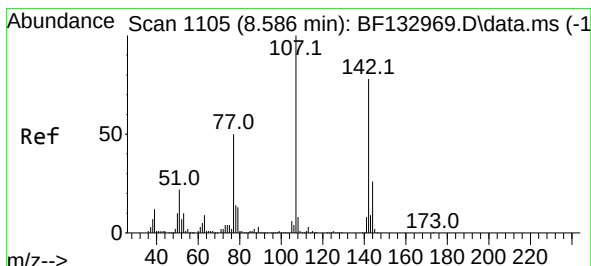
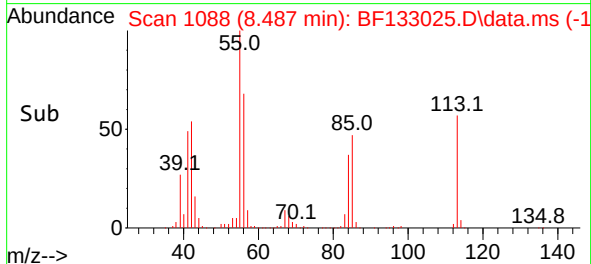
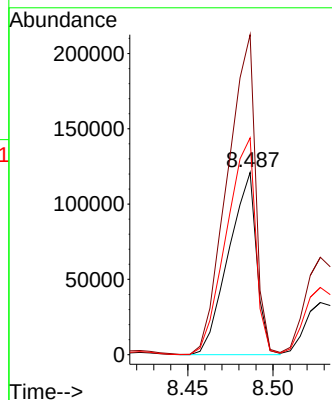
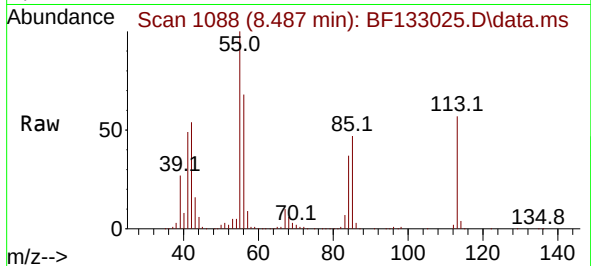




#35
 Caprolactam
 Concen: 29.691 ng
 RT: 8.487 min Scan# 1088
 Delta R.T. 0.000 min
 Lab File: BF133025.D
 Acq: 25 Apr 2023 11:31

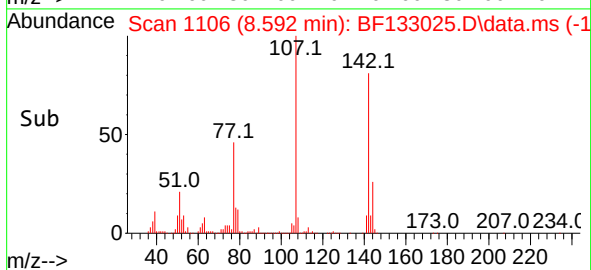
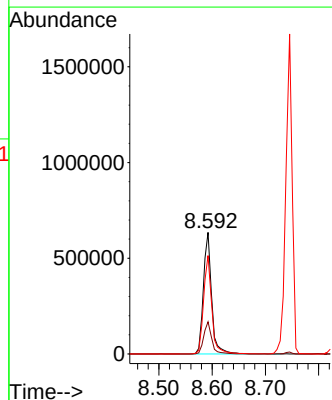
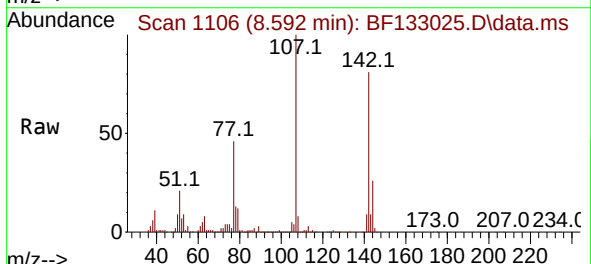
Instrument :
 BNA_F
 ClientSampleId :
 PB152241BS

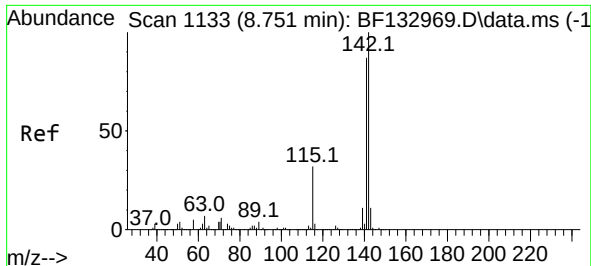
Tgt Ion:113 Resp: 138557
 Ion Ratio Lower Upper
 113 100
 55 175.6 167.1 207.1
 56 119.0 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 45.313 ng
 RT: 8.592 min Scan# 1106
 Delta R.T. 0.006 min
 Lab File: BF133025.D
 Acq: 25 Apr 2023 11:31

Tgt Ion:107 Resp: 678784
 Ion Ratio Lower Upper
 107 100
 144 26.5 20.6 30.8
 142 81.0 62.8 94.2

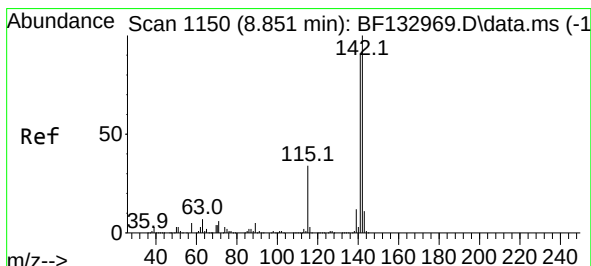
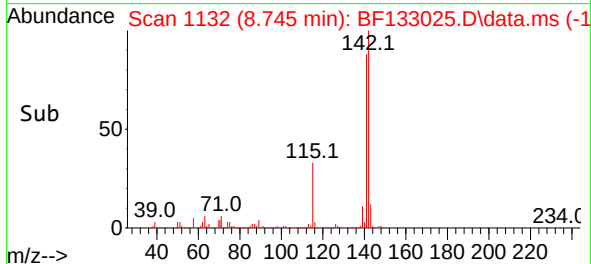
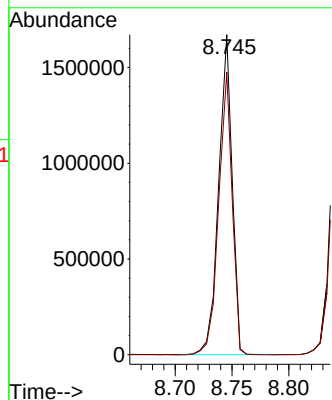
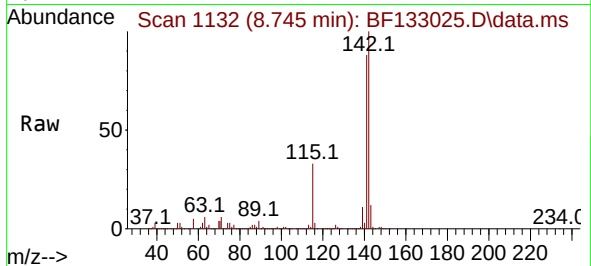




#37
2-Methylnaphthalene
Concen: 41.137 ng
RT: 8.745 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

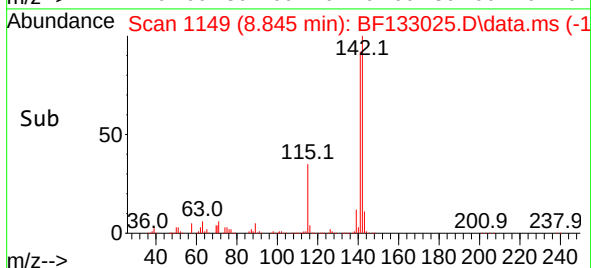
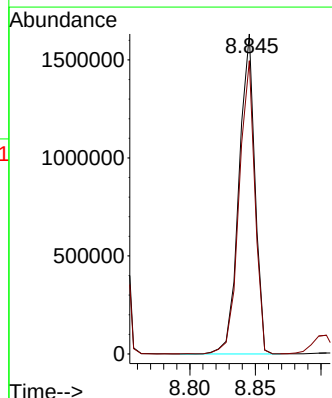
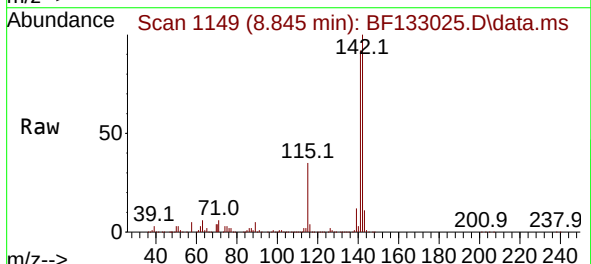
Instrument :
BNA_F
ClientSampleId :
PB152241BS

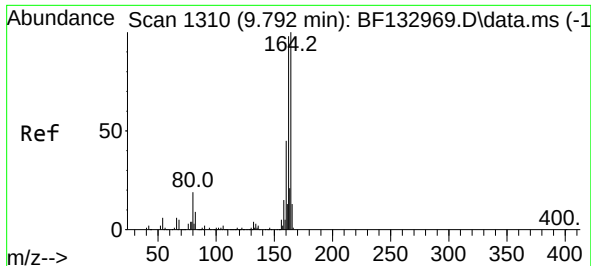
Tgt Ion:142 Resp: 1381898
Ion Ratio Lower Upper
142 100
141 88.4 69.4 104.0



#38
1-Methylnaphthalene
Concen: 44.050 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:142 Resp: 1384301
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7

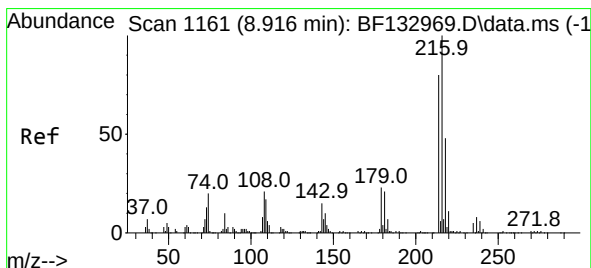
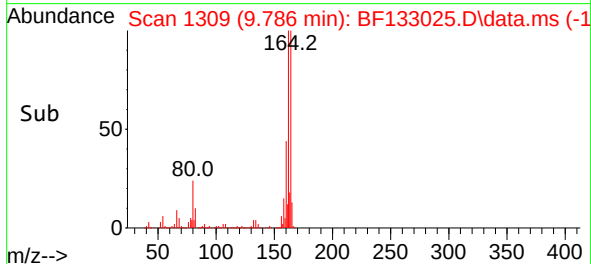
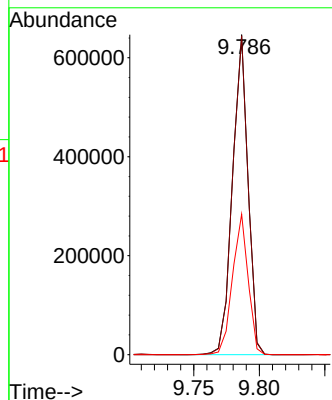
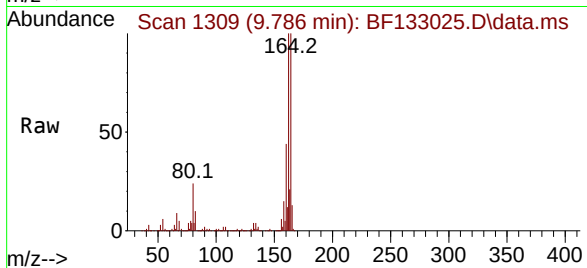




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 11309
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

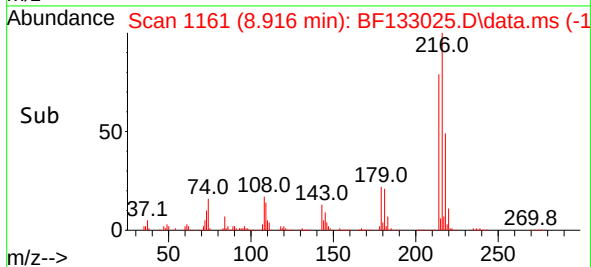
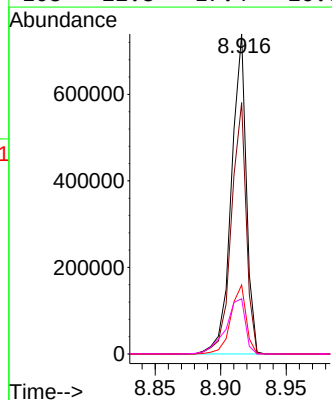
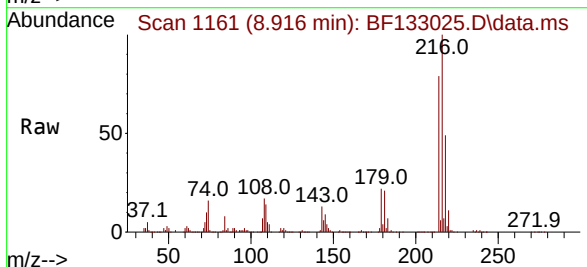
Instrument :
BNA_F
ClientSampleId :
PB152241BS

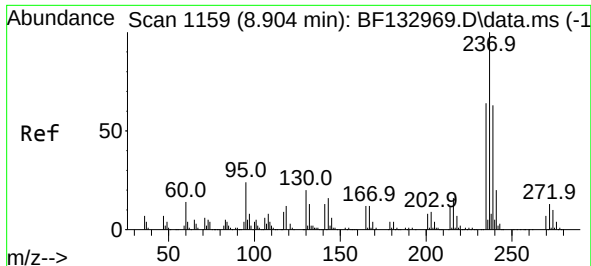
Tgt Ion:164 Resp: 531936
Ion Ratio Lower Upper
164 100
162 99.6 78.7 118.1
160 43.9 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.960 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:216 Resp: 585817
Ion Ratio Lower Upper
216 100
214 78.3 63.5 95.3
179 22.0 17.4 26.2
108 22.8 17.4 26.0

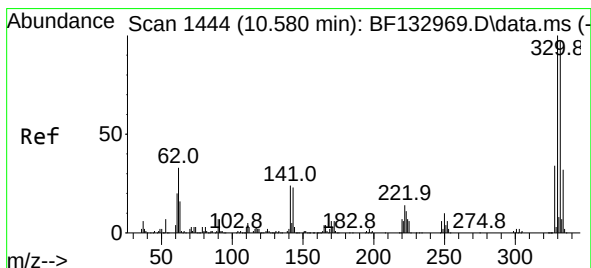
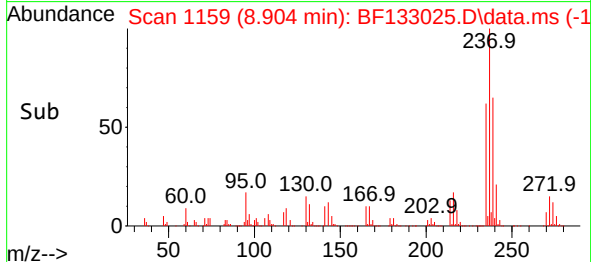
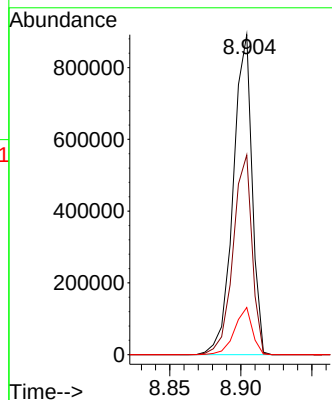
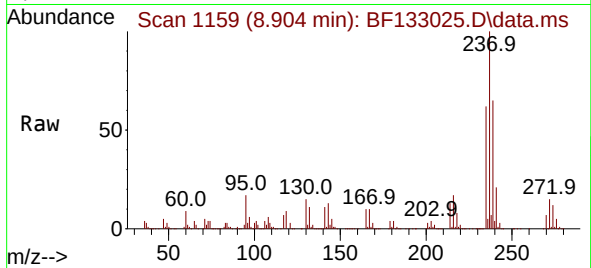




#41
Hexachlorocyclopentadiene
Concen: 98.917 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

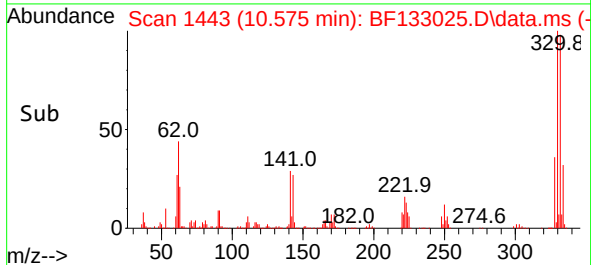
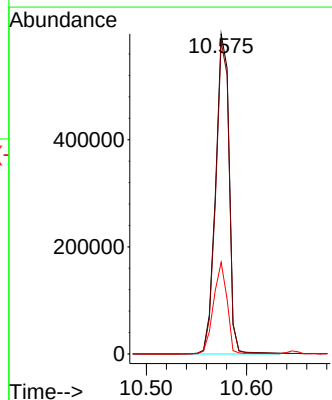
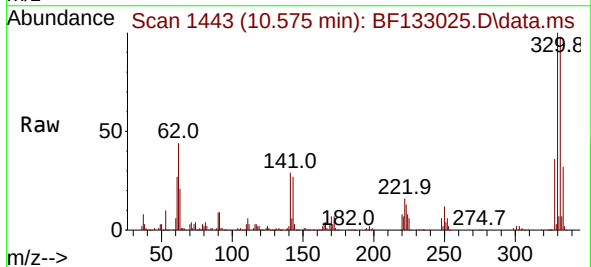
Instrument :
BNA_F
ClientSampleId :
PB152241BS

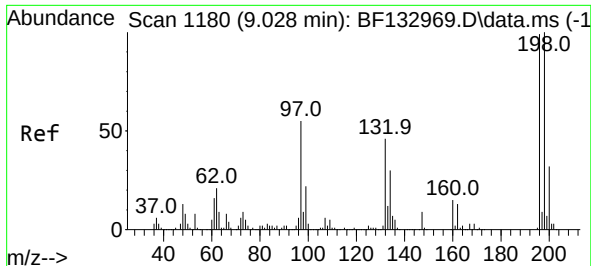
Tgt Ion:237 Resp: 825079
Ion Ratio Lower Upper
237 100
235 62.4 43.5 83.5
272 14.8 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 104.321 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:330 Resp: 558079
Ion Ratio Lower Upper
330 100
332 97.6 77.1 115.7
141 28.7 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 42.968 ng

RT: 9.028 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

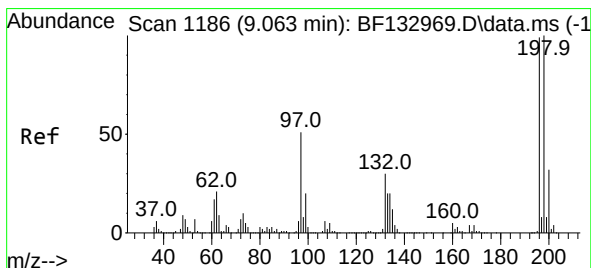
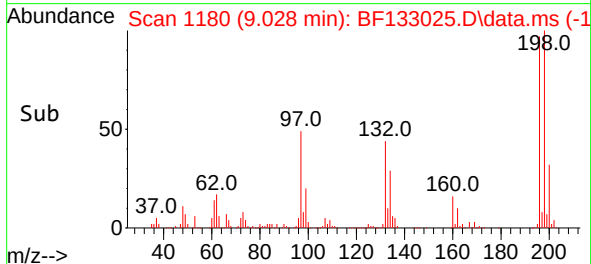
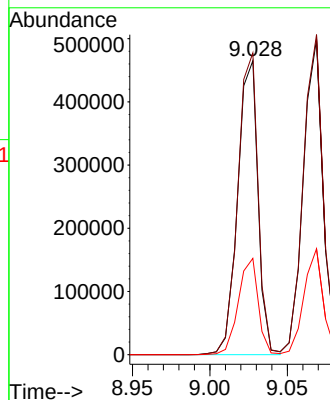
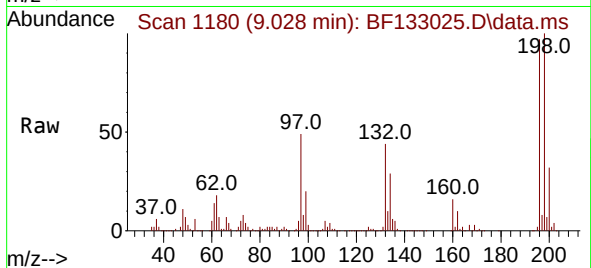
Tgt Ion:196 Resp: 425001

Ion Ratio Lower Upper

196 100

198 102.7 81.0 121.6

200 32.8 26.1 39.1



#44

2,4,5-Trichlorophenol

Concen: 40.066 ng

RT: 9.069 min Scan# 1187

Delta R.T. 0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Tgt Ion:196 Resp: 458328

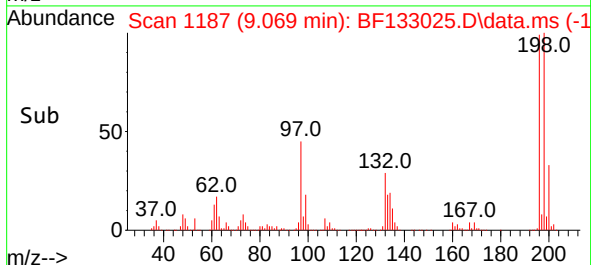
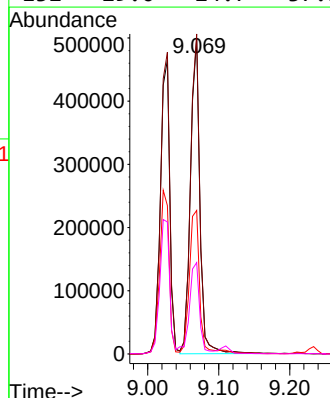
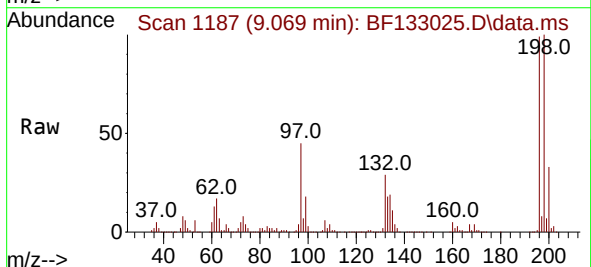
Ion Ratio Lower Upper

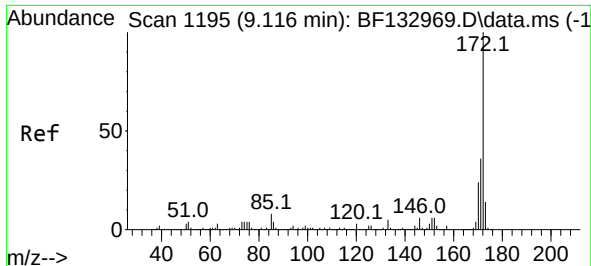
196 100

198 101.4 80.9 121.3

97 45.5 41.3 61.9

132 29.0 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 68.592 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

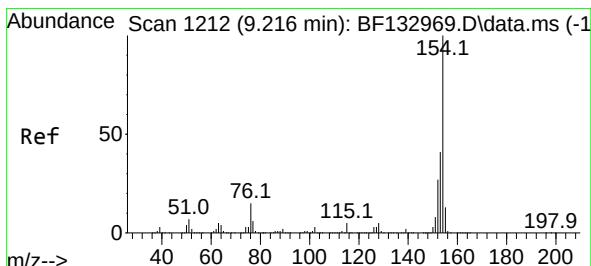
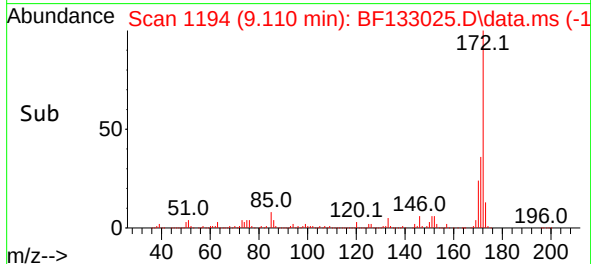
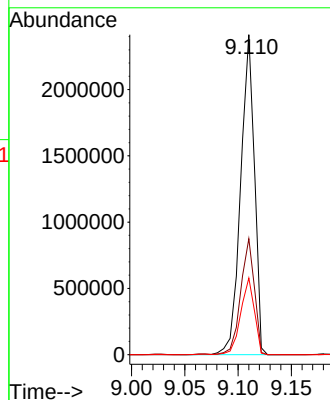
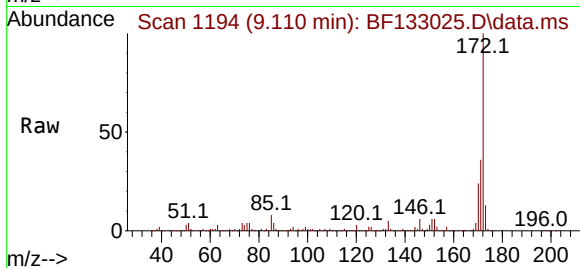
Tgt Ion:172 Resp: 2180918

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.0 19.4 29.2



#46

1,1'-Biphenyl

Concen: 41.328 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

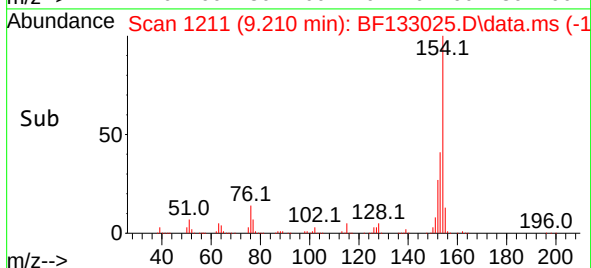
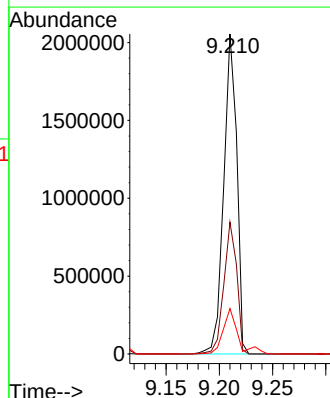
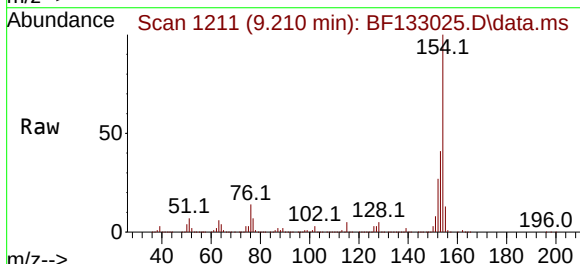
Tgt Ion:154 Resp: 1743217

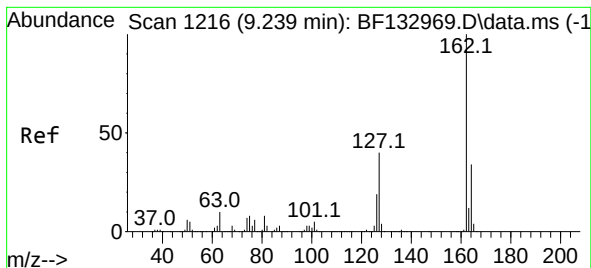
Ion Ratio Lower Upper

154 100

153 41.2 21.0 61.0

76 14.2 0.0 34.5





#47

2-Chloronaphthalene

Concen: 42.647 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

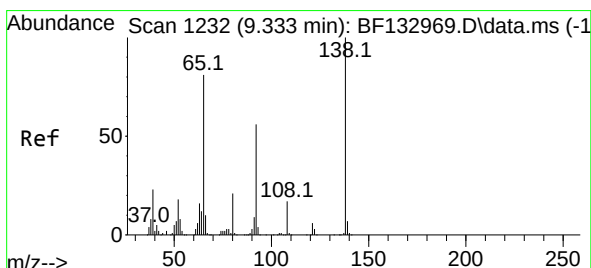
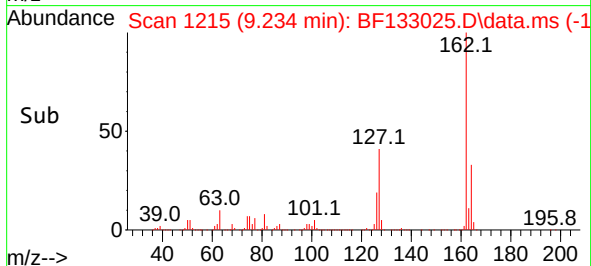
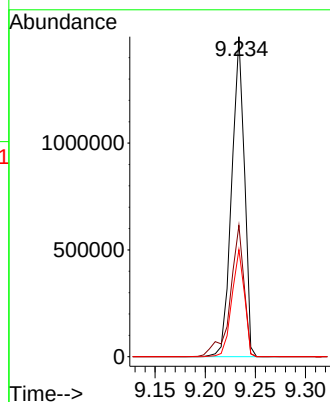
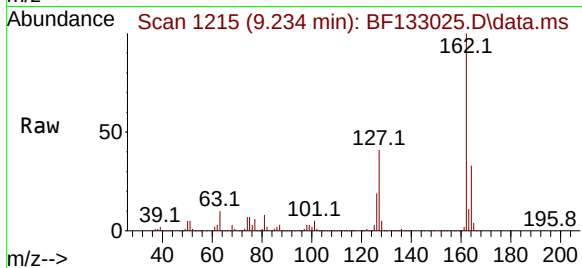
Tgt Ion:162 Resp: 1316632

Ion Ratio Lower Upper

162 100

127 41.1 32.3 48.5

164 33.5 26.8 40.2



#48

2-Nitroaniline

Concen: 41.342 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

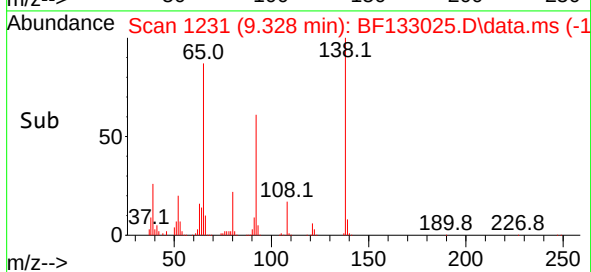
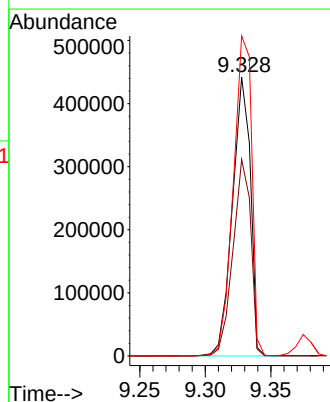
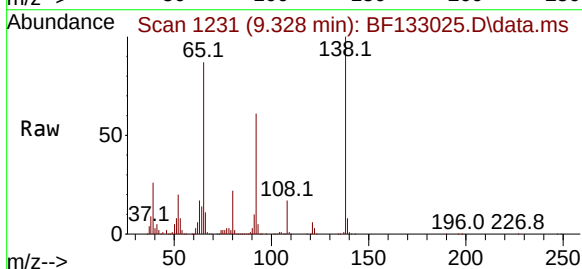
Tgt Ion: 65 Resp: 421829

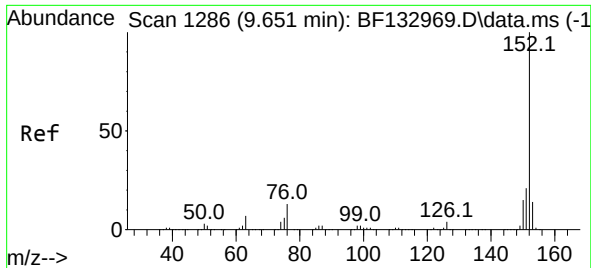
Ion Ratio Lower Upper

65 100

92 70.4 55.4 83.0

138 114.7 98.2 147.2

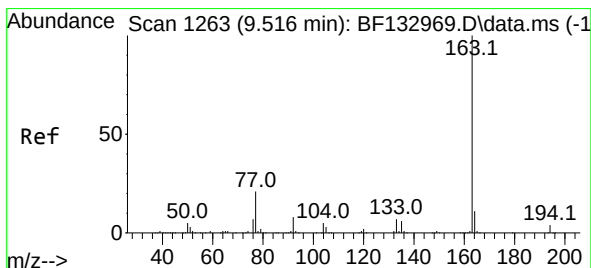
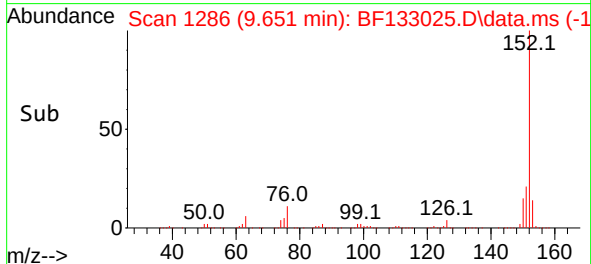
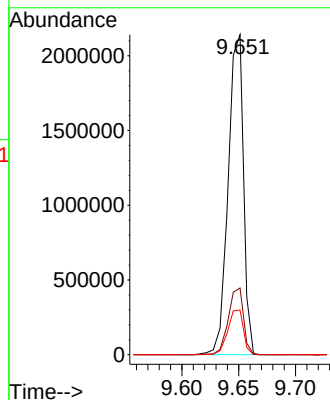
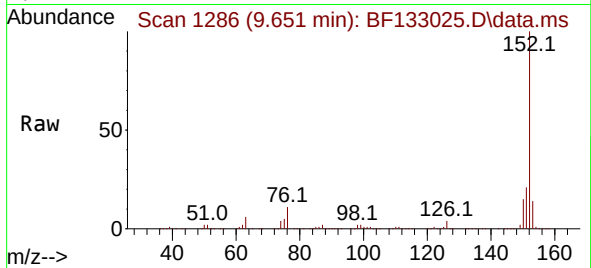




#49
Acenaphthylene
Concen: 40.757 ng
RT: 9.651 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

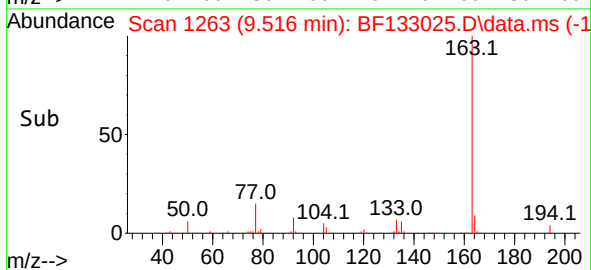
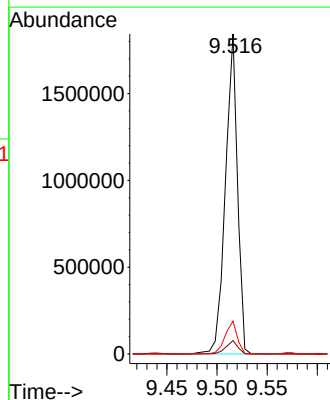
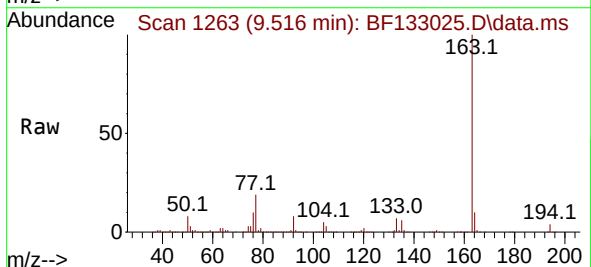
Instrument :
BNA_F
ClientSampleId :
PB152241BS

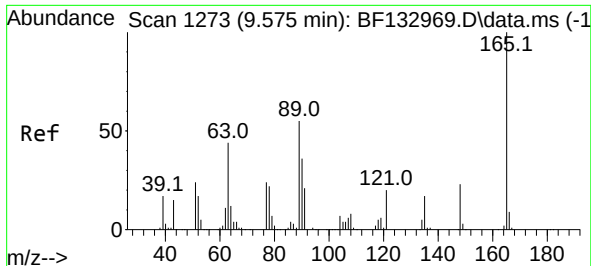
Tgt Ion:152 Resp: 2010572
Ion Ratio Lower Upper
152 100
151 20.9 16.6 24.8
153 14.0 11.5 17.3



#50
Dimethylphthalate
Concen: 41.405 ng
RT: 9.516 min Scan# 1263
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:163 Resp: 1535751
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.3 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 42.974 ng

RT: 9.575 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

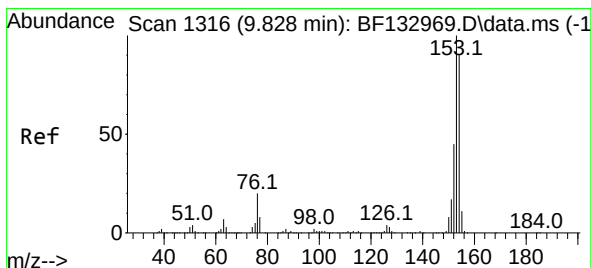
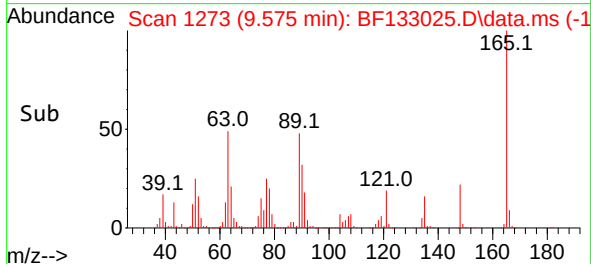
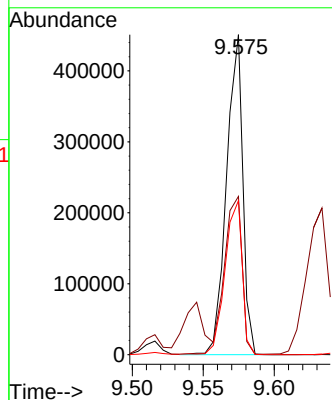
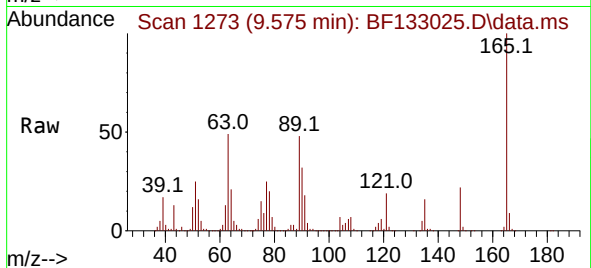
Tgt Ion:165 Resp: 358759

Ion Ratio Lower Upper

165 100

63 49.4 45.9 68.9

89 48.1 44.0 66.0



#52

Acenaphthene

Concen: 39.558 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

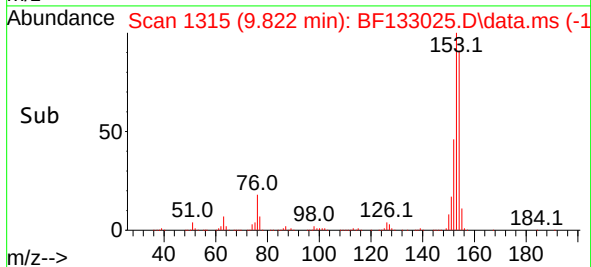
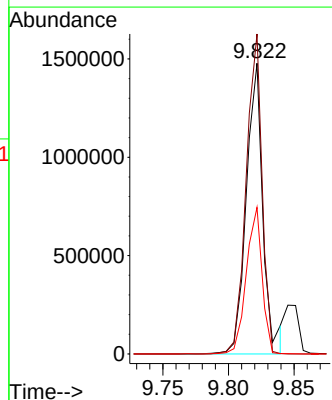
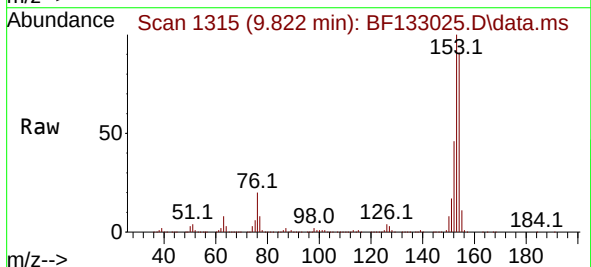
Tgt Ion:154 Resp: 1306981

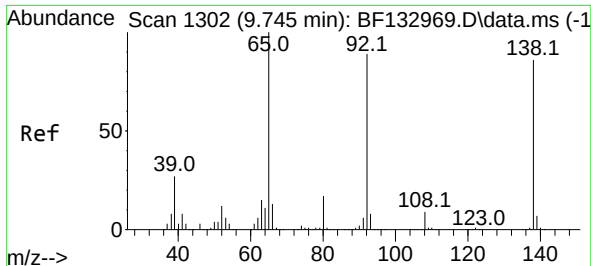
Ion Ratio Lower Upper

154 100

153 110.0 89.0 133.6

152 50.4 40.4 60.6

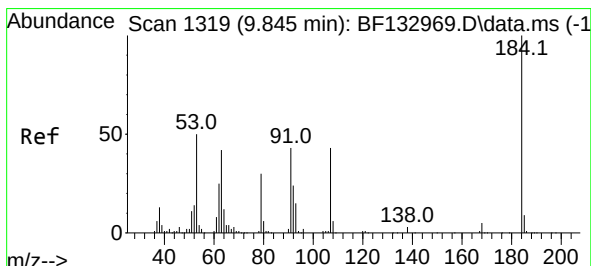
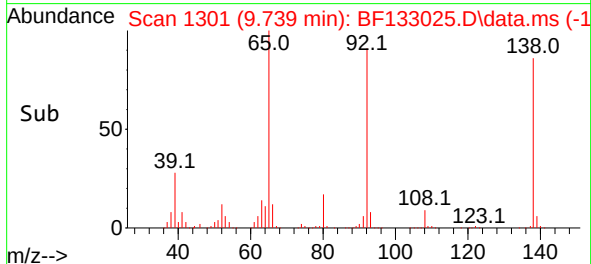
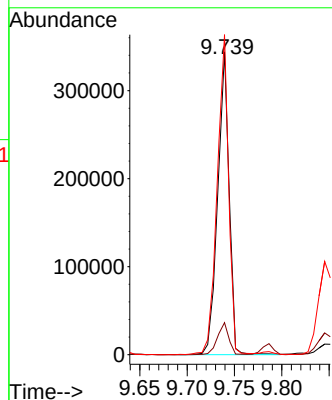
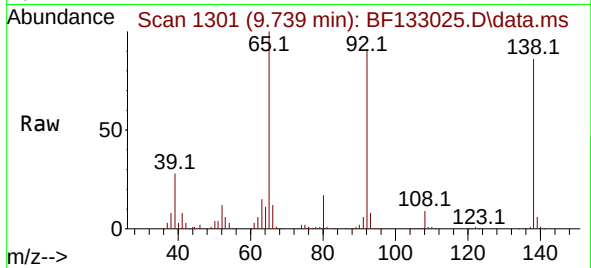




#53
3-Nitroaniline
Concen: 29.008 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

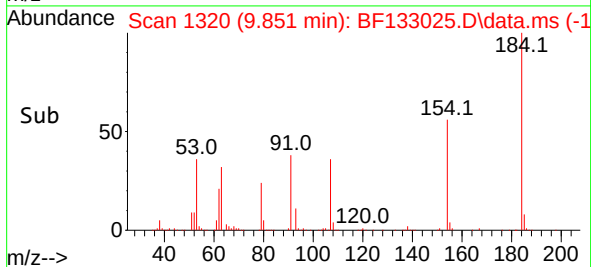
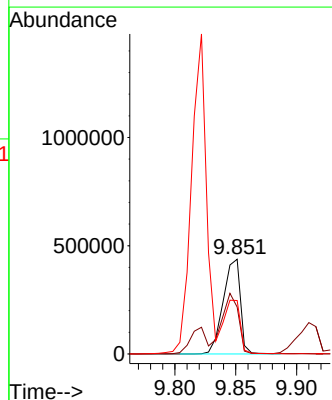
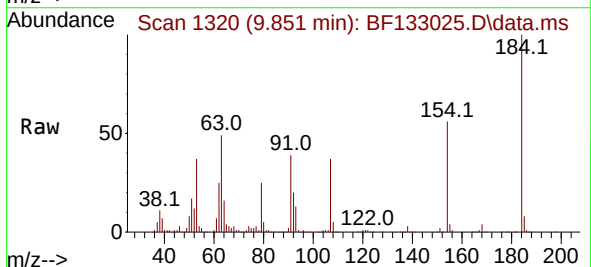
Instrument :
BNA_F
ClientSampleId :
PB152241BS

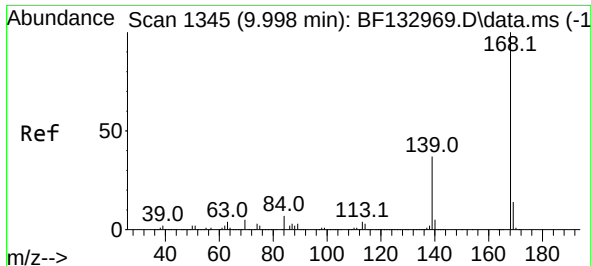
Tgt Ion:138 Resp: 287935
Ion Ratio Lower Upper
138 100
108 10.6 8.0 12.0
92 105.7 83.6 125.4



#54
2,4-Dinitrophenol
Concen: 102.789 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:184 Resp: 431324
Ion Ratio Lower Upper
184 100
63 49.4 49.8 74.8#
154 56.4 49.5 74.3

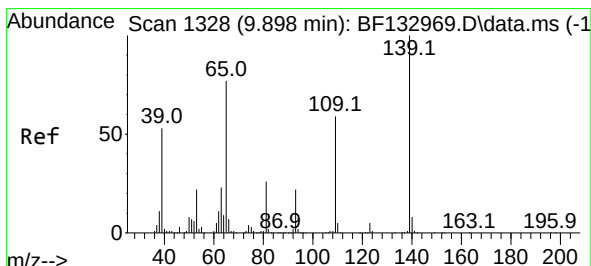
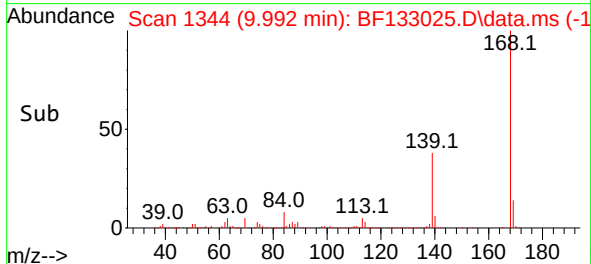
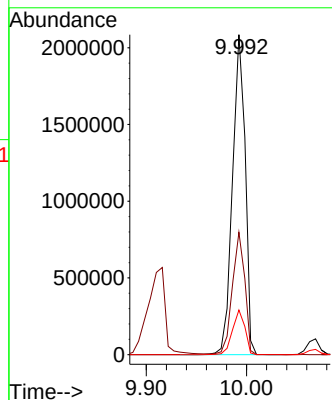
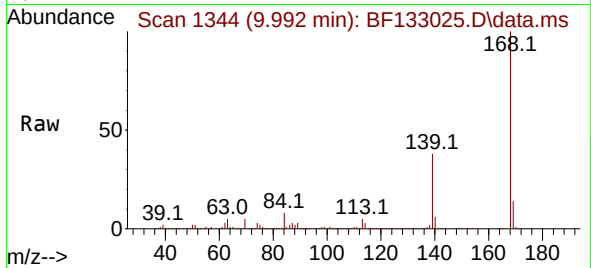




#55
Dibenzenofuran
Concen: 40.588 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

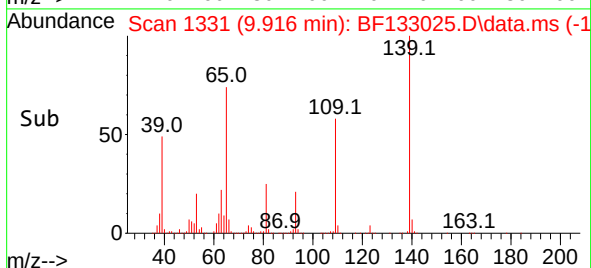
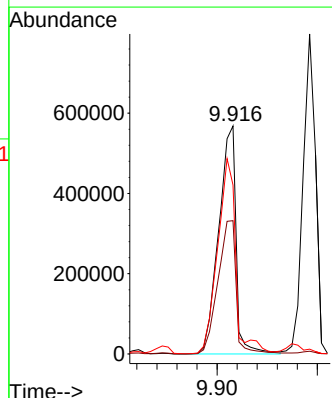
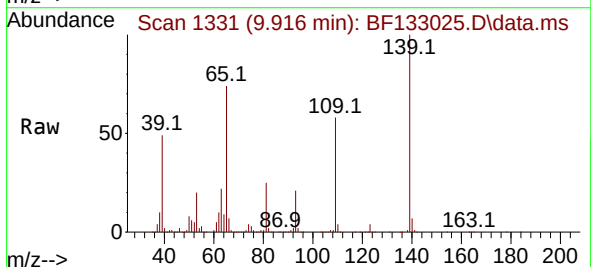
Instrument :
BNA_F
ClientSampleId :
PB152241BS

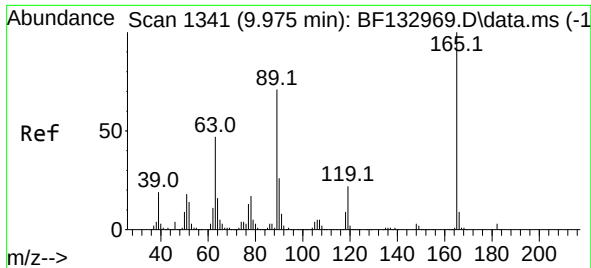
Tgt Ion:168 Resp: 1829258
Ion Ratio Lower Upper
168 100
139 38.2 29.8 44.8
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 89.068 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.018 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:139 Resp: 684759
Ion Ratio Lower Upper
139 100
109 58.5 39.4 79.4
65 74.1 57.5 97.5

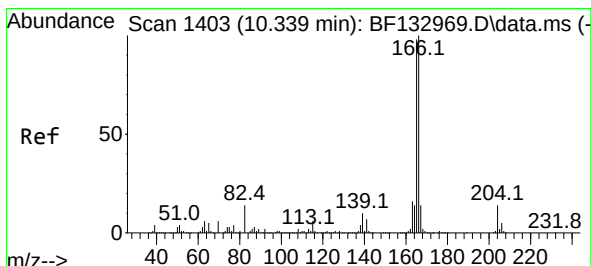
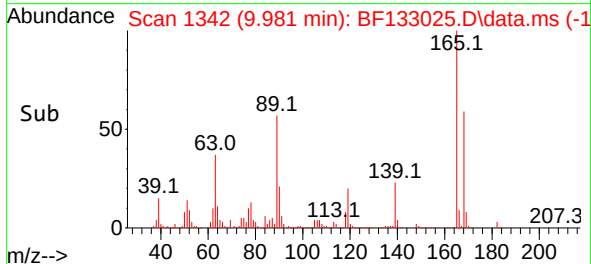
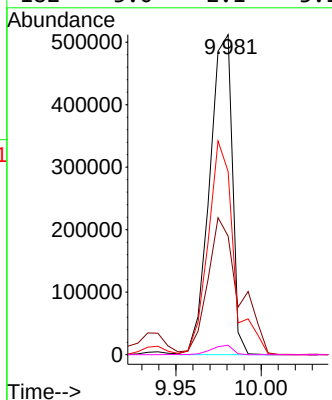
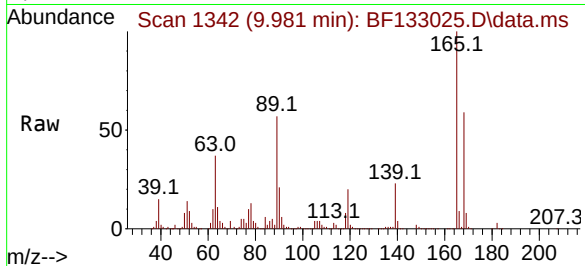




#57
2,4-Dinitrotoluene
Concen: 44.426 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

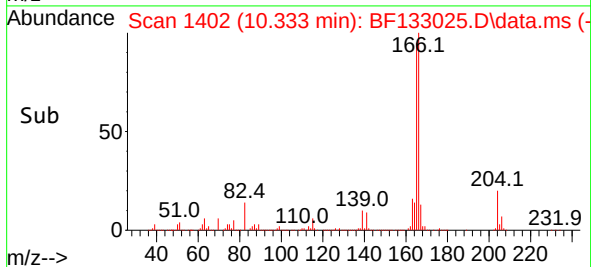
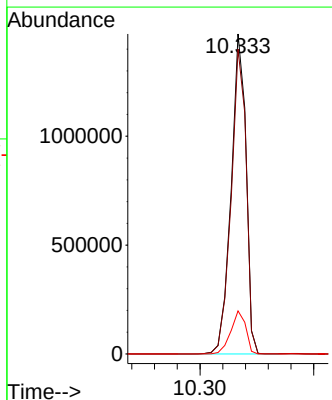
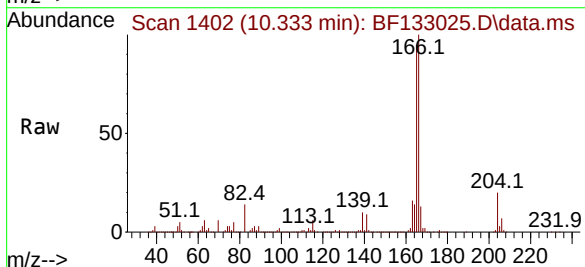
Instrument :
BNA_F
ClientSampleId :
PB152241BS

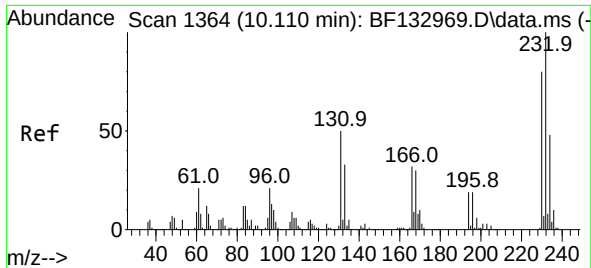
Tgt Ion:165 Resp: 472976
Ion Ratio Lower Upper
165 100
63 37.1 37.7 56.5#
89 57.3 57.0 85.4
182 3.0 2.1 3.1



#58
Fluorene
Concen: 40.407 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:166 Resp: 1334204
Ion Ratio Lower Upper
166 100
165 95.3 78.6 117.8
167 13.4 11.0 16.4

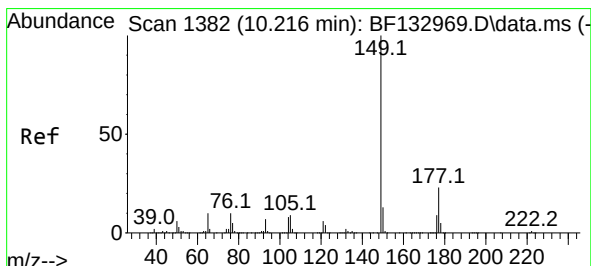
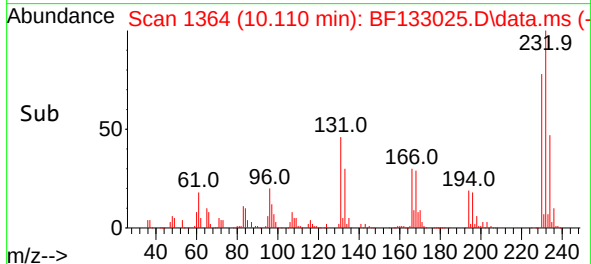
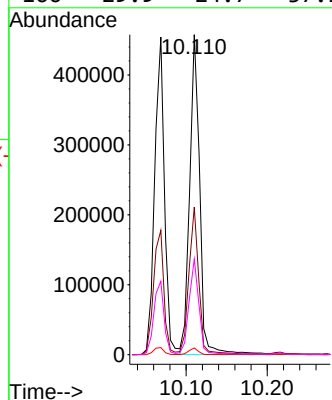
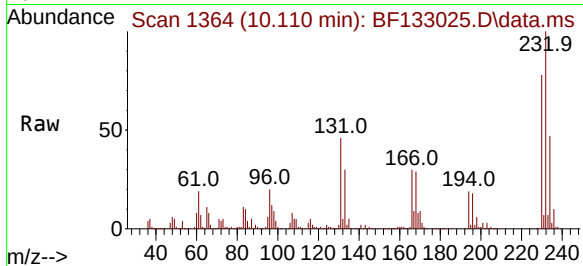




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.895 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

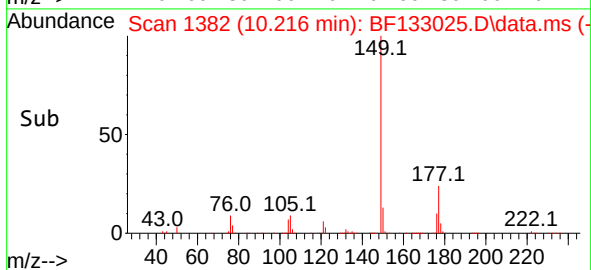
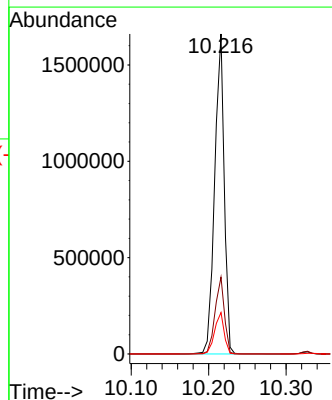
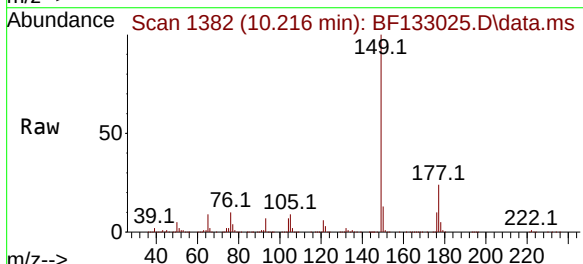
Instrument :
BNA_F
ClientSampleId :
PB152241BS

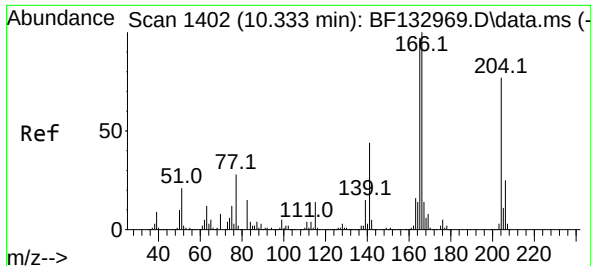
Tgt Ion:232 Resp: 389281
Ion Ratio Lower Upper
232 100
131 45.2 38.0 57.0
130 2.0 1.8 2.8
166 29.9 24.7 37.1



#60
Diethylphthalate
Concen: 40.610 ng
RT: 10.216 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:149 Resp: 1422742
Ion Ratio Lower Upper
149 100
177 24.0 18.2 27.4
150 13.0 10.2 15.4

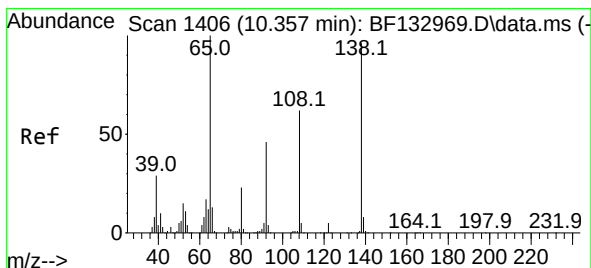
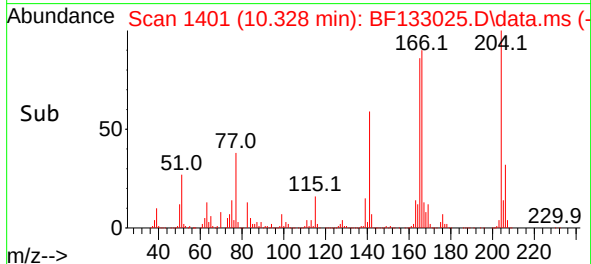
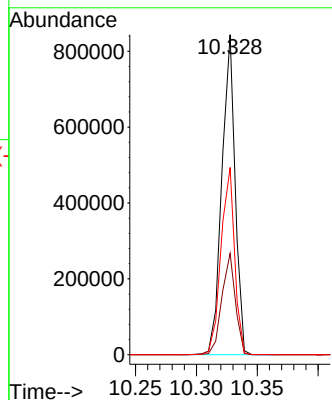
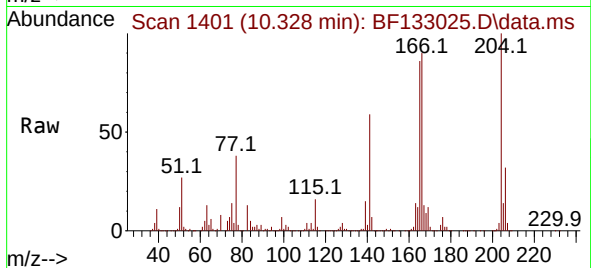




#61
4-Chlorophenyl-phenylether
Concen: 39.922 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

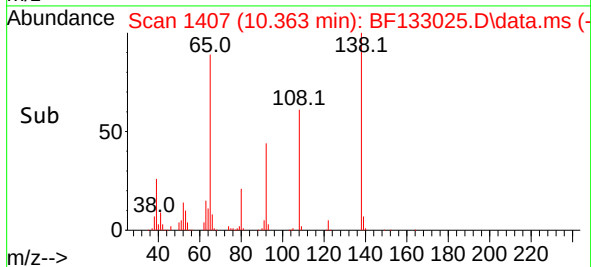
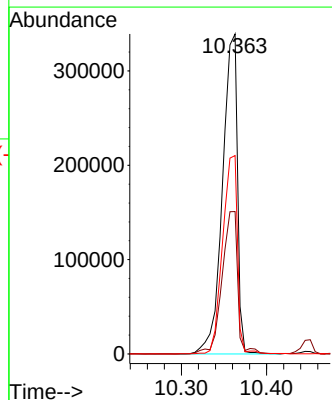
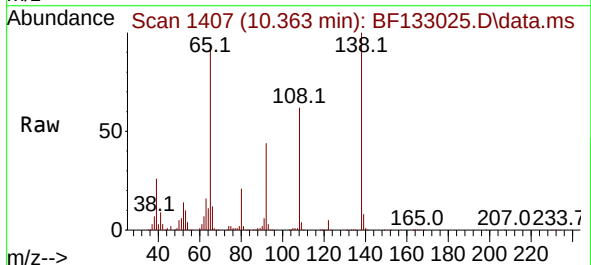
Instrument :
BNA_F
ClientSampleId :
PB152241BS

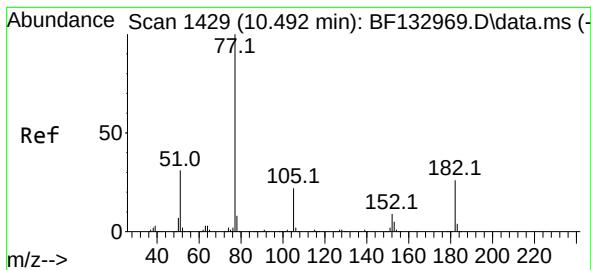
Tgt Ion:204 Resp: 642384
Ion Ratio Lower Upper
204 100
206 31.7 26.1 39.1
141 58.5 46.1 69.1



#62
4-Nitroaniline
Concen: 45.442 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:138 Resp: 414573
Ion Ratio Lower Upper
138 100
92 44.5 27.7 67.7
108 62.0 45.2 85.2





#63

Azobenzene

Concen: 39.829 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

Tgt Ion: 77 Resp: 1478177

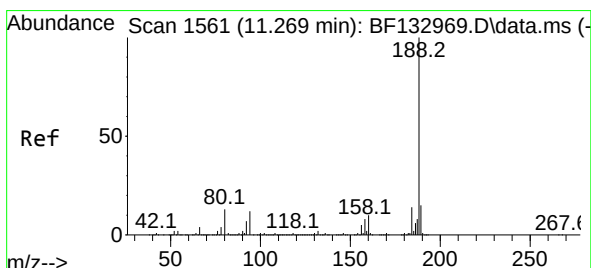
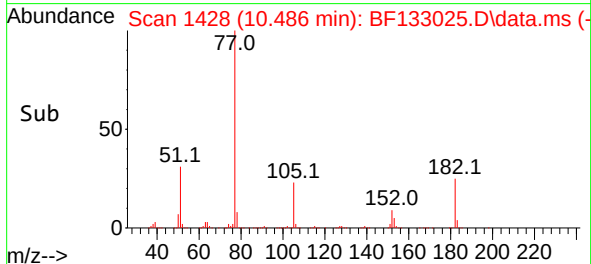
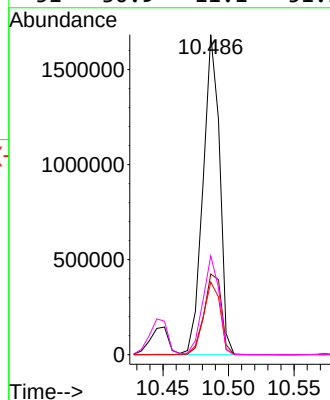
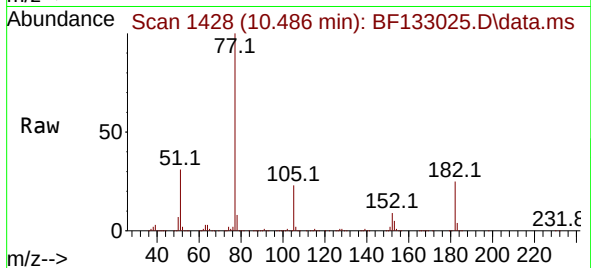
Ion Ratio Lower Upper

77 100

182 25.2 5.9 45.9

105 22.7 2.3 42.3

51 30.9 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

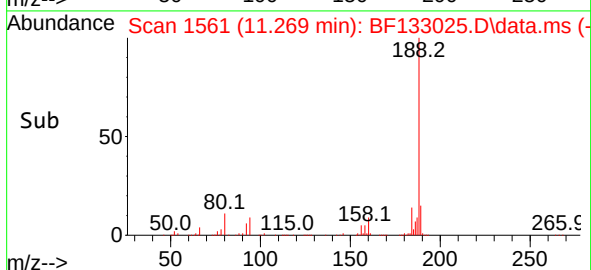
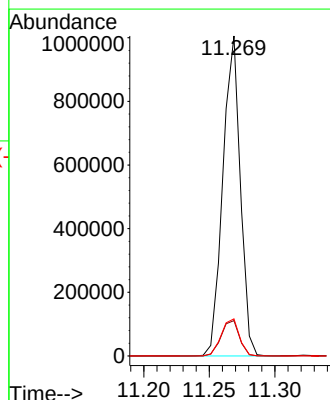
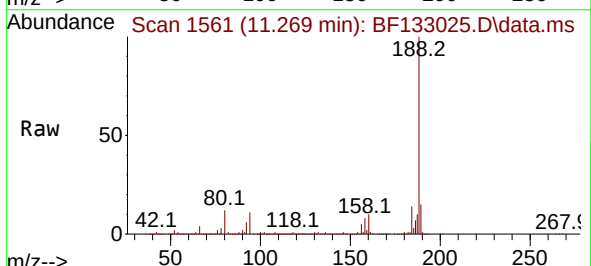
Tgt Ion: 188 Resp: 928804

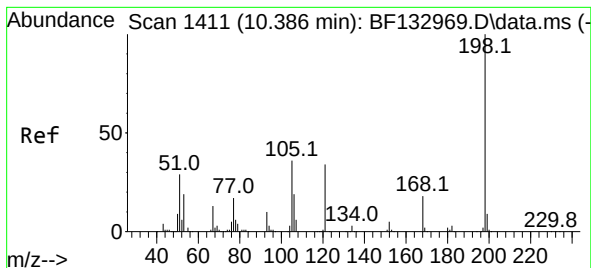
Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.6 10.4 15.6

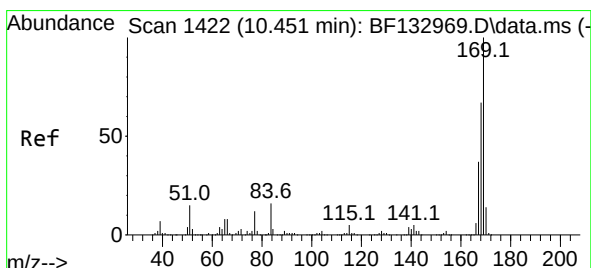
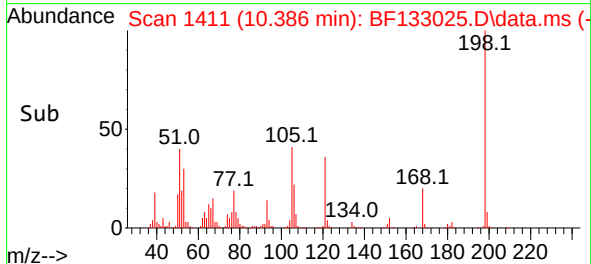
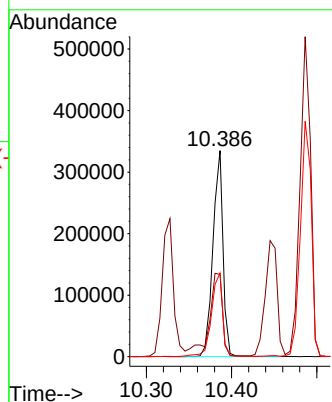
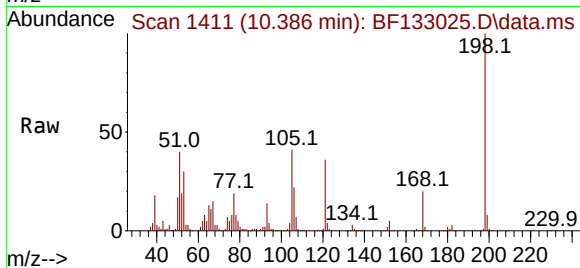




#65
4,6-Dinitro-2-methylphenol
Concen: 49.034 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

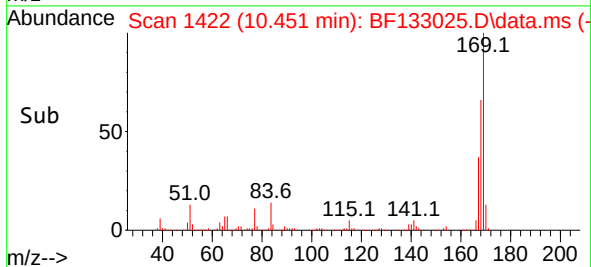
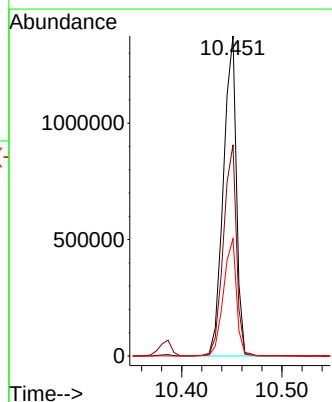
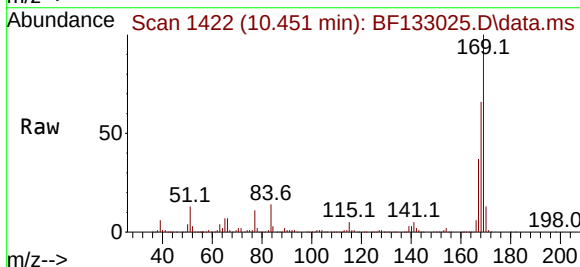
Instrument :
BNA_F
ClientSampleId :
PB152241BS

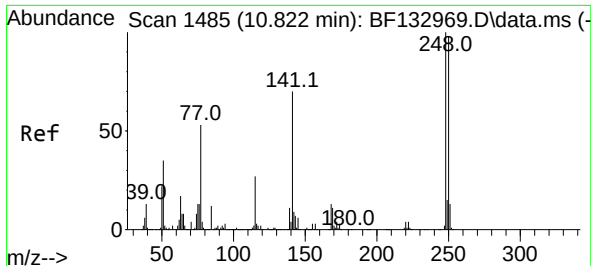
Tgt Ion:198 Resp: 276044
Ion Ratio Lower Upper
198 100
51 40.0 15.5 55.5
105 40.7 16.7 56.7



#66
n-Nitrosodiphenylamine
Concen: 40.907 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:169 Resp: 1232438
Ion Ratio Lower Upper
169 100
168 66.0 53.8 80.8
167 36.6 29.7 44.5





#67

4-Bromophenyl-phenylether

Concen: 41.556 ng

RT: 10.816 min Scan# 1484

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

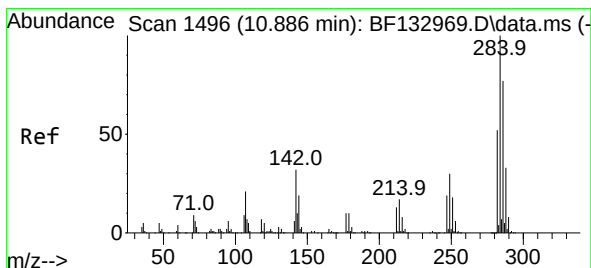
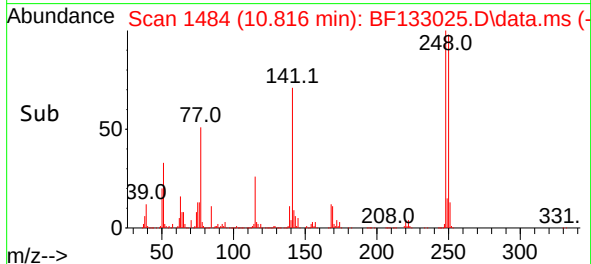
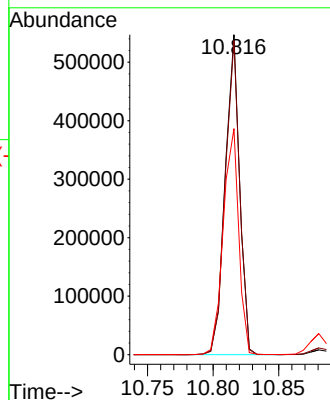
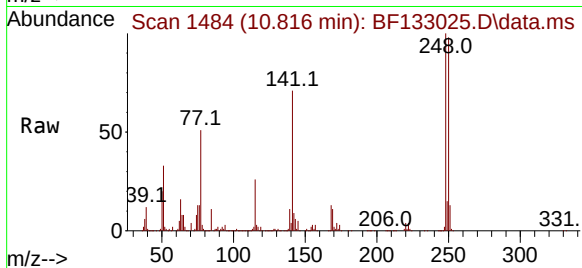
Tgt Ion:248 Resp: 418611

Ion Ratio Lower Upper

248 100

250 98.1 78.7 118.1

141 70.7 56.3 84.5



#68

Hexachlorobenzene

Concen: 44.932 ng

RT: 10.881 min Scan# 1495

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

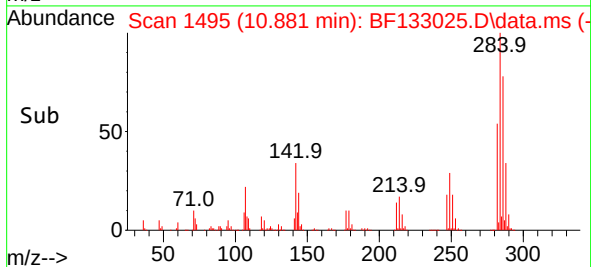
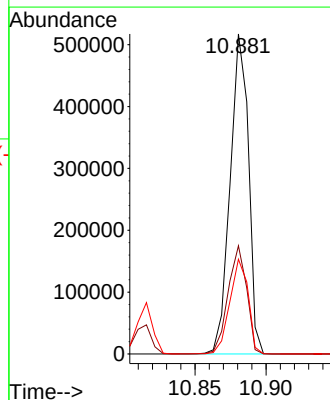
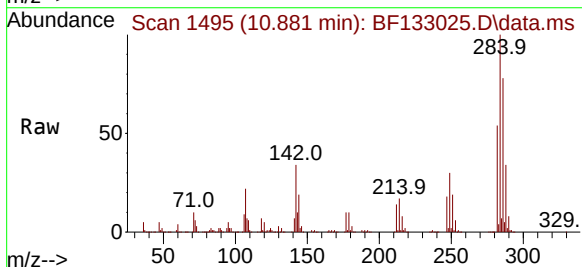
Tgt Ion:284 Resp: 463791

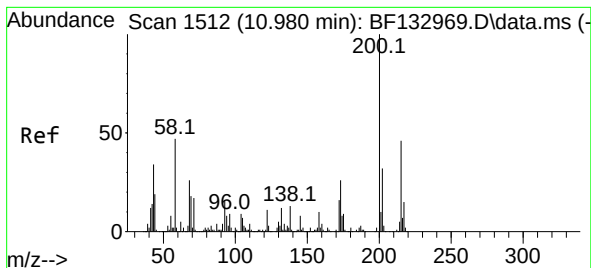
Ion Ratio Lower Upper

284 100

142 33.8 26.0 39.0

249 29.6 23.7 35.5





#69

Atrazine

Concen: 47.607 ng

RT: 10.980 min Scan# 1512

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

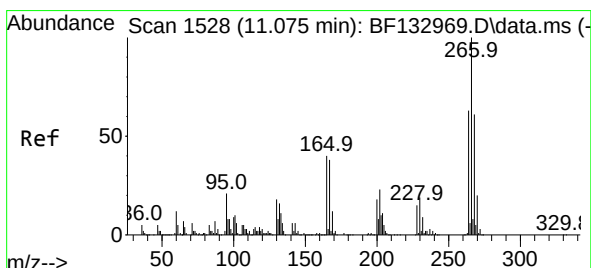
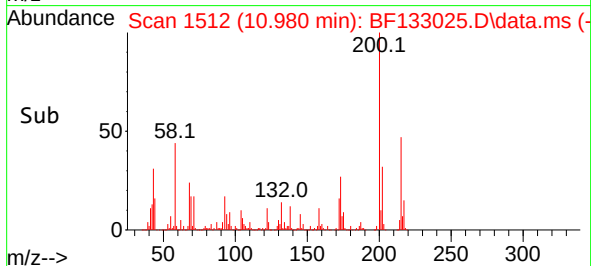
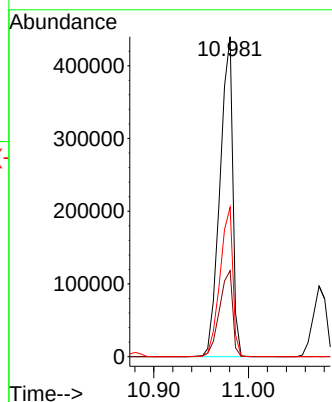
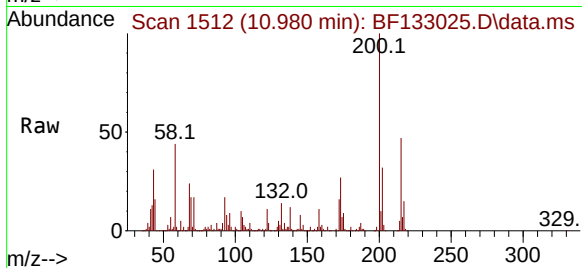
Tgt Ion:200 Resp: 413284

Ion Ratio Lower Upper

200 100

173 26.9 6.2 46.2

215 46.7 26.3 66.3



#70

Pentachlorophenol

Concen: 77.736 ng

RT: 11.075 min Scan# 1528

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

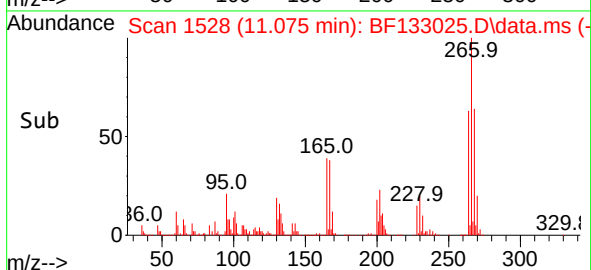
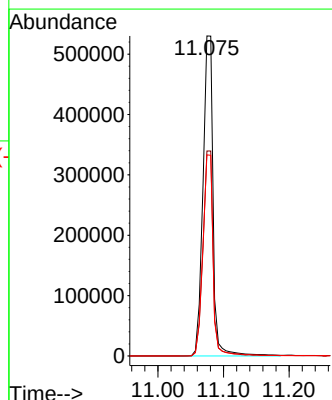
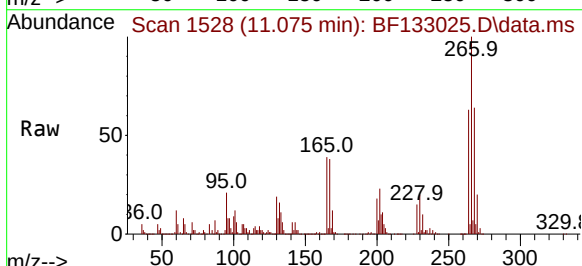
Tgt Ion:266 Resp: 571463

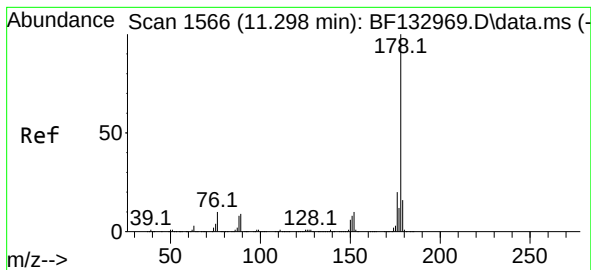
Ion Ratio Lower Upper

266 100

268 64.0 48.8 73.2

264 62.9 50.6 76.0





#71

Phenanthrene

Concen: 40.382 ng

RT: 11.292 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

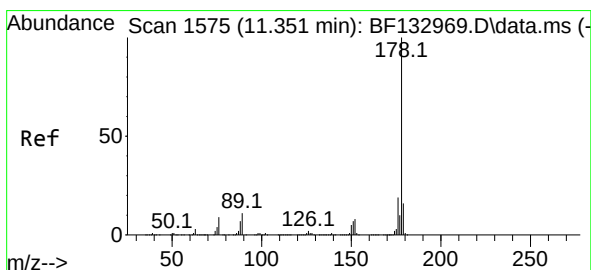
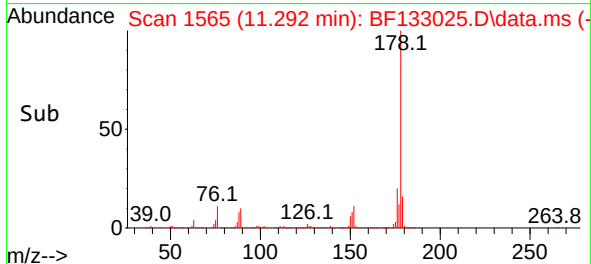
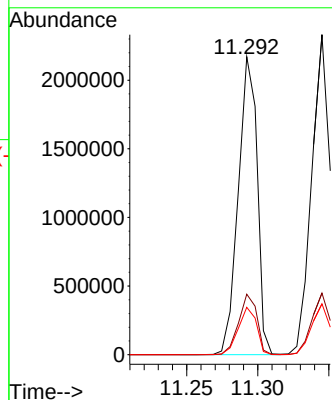
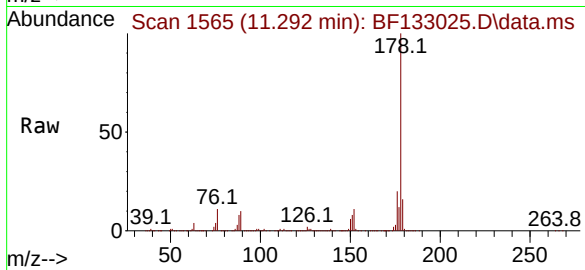
Tgt Ion:178 Resp: 2015868

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

179 15.9 12.5 18.7



#72

Anthracene

Concen: 40.643 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

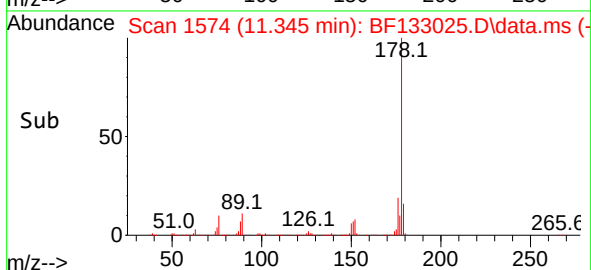
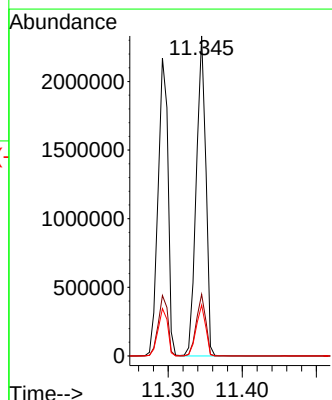
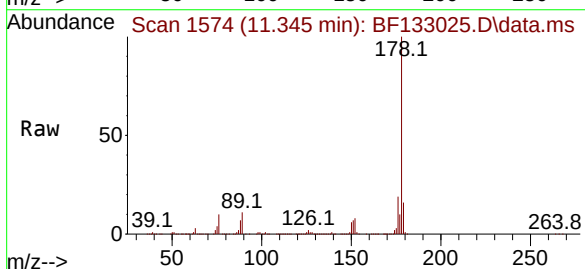
Tgt Ion:178 Resp: 2076371

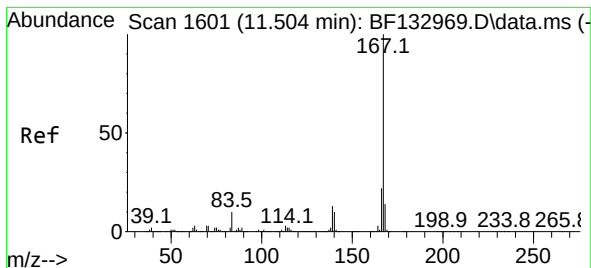
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.9 12.4 18.6





#73

Carbazole

Concen: 41.491 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

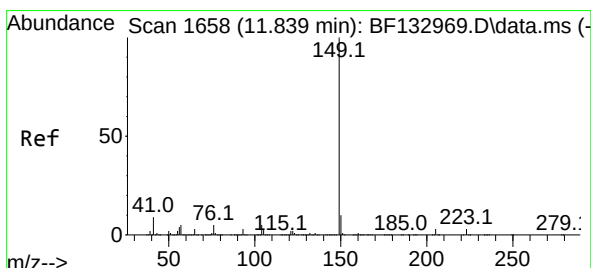
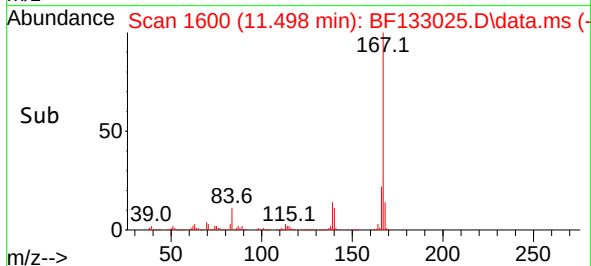
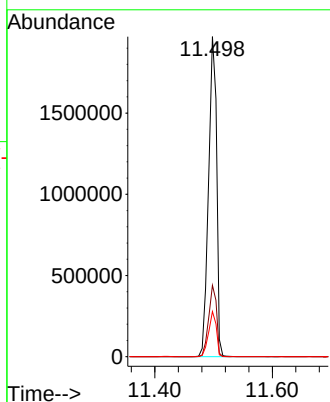
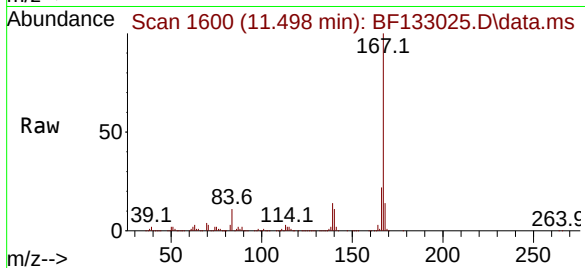
Tgt Ion:167 Resp: 1887423

Ion Ratio Lower Upper

167 100

166 22.3 17.4 26.0

139 14.1 10.6 16.0



#74

Di-n-butylphthalate

Concen: 42.994 ng

RT: 11.833 min Scan# 1657

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

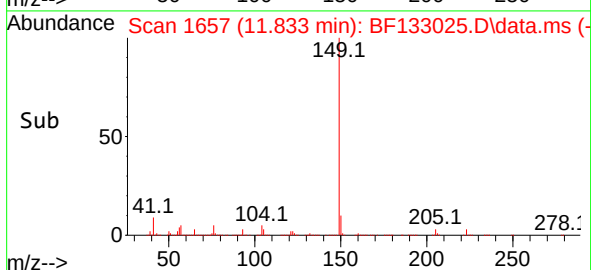
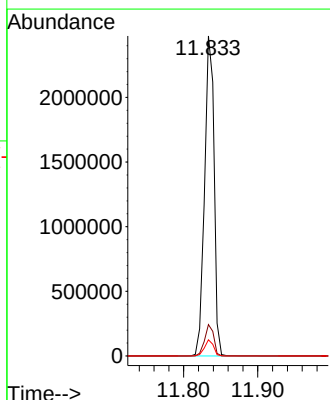
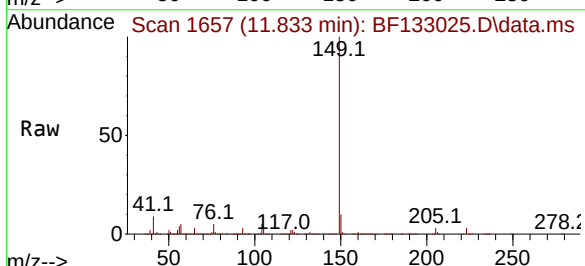
Tgt Ion:149 Resp: 2213329

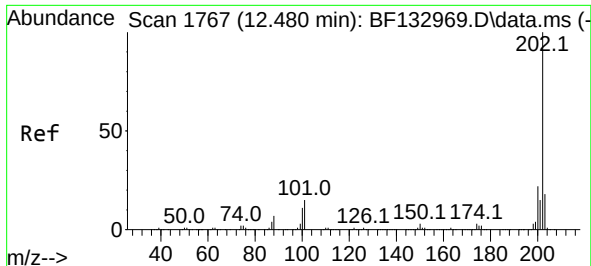
Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

104 5.1 4.0 6.0

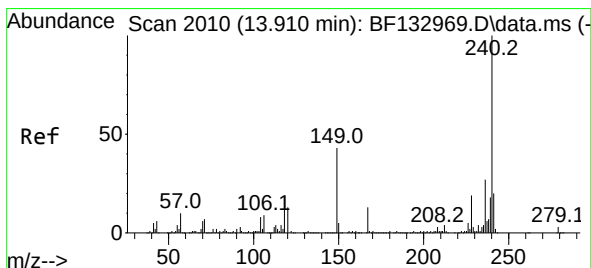
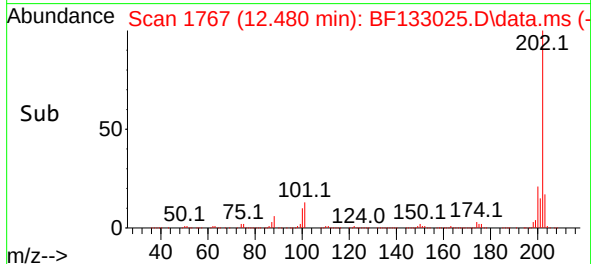
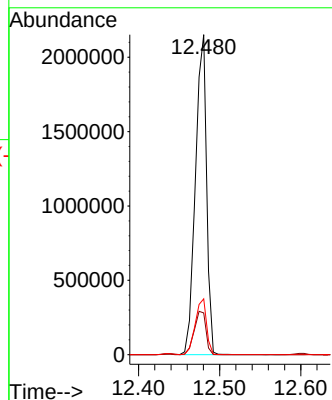
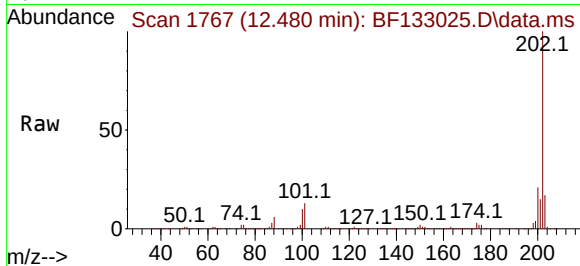




#75
Fluoranthene
Concen: 41.104 ng
RT: 12.480 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

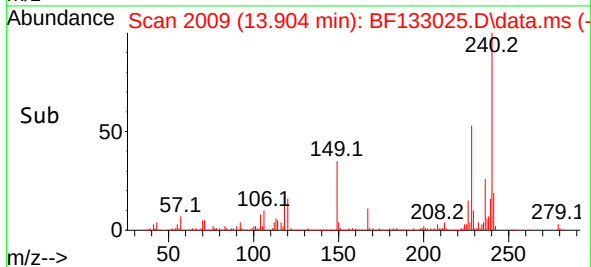
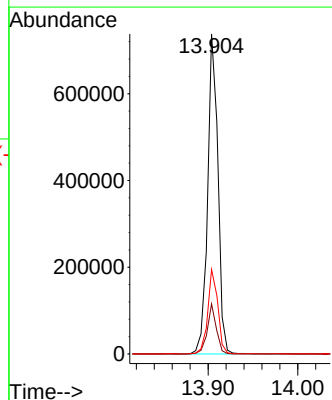
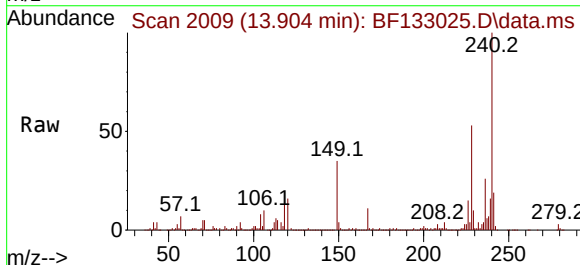
Instrument :
BNA_F
ClientSampleId :
PB152241BS

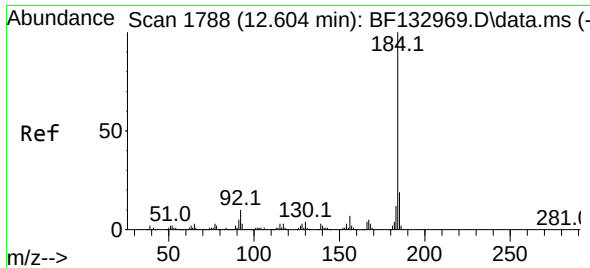
Tgt Ion:202 Resp: 2059329
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:240 Resp: 586997
Ion Ratio Lower Upper
240 100
120 15.7 10.5 15.7
236 26.4 21.5 32.3

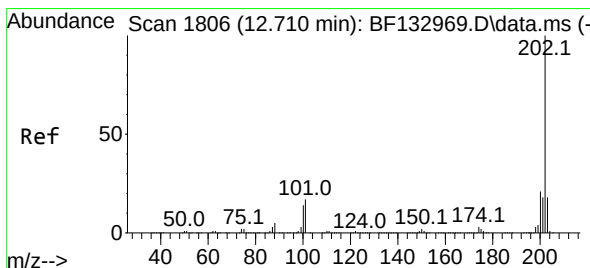
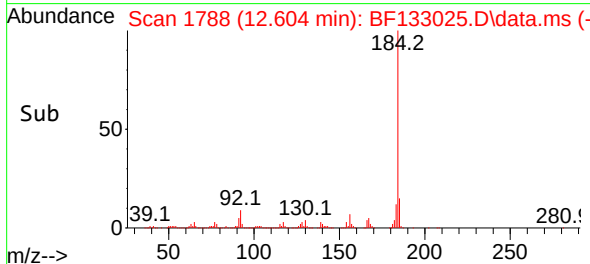
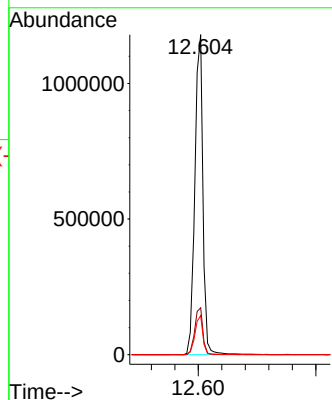
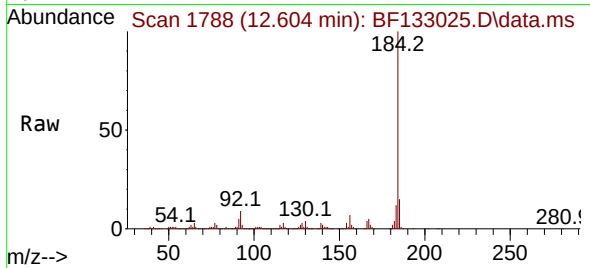




#77
Benzidine
Concen: 113.308 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

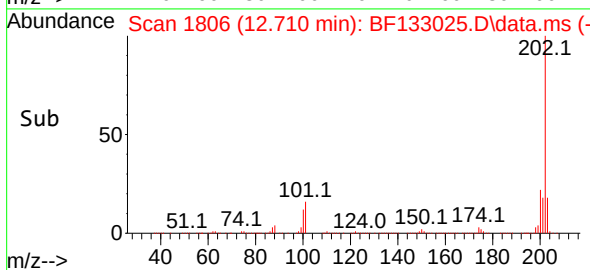
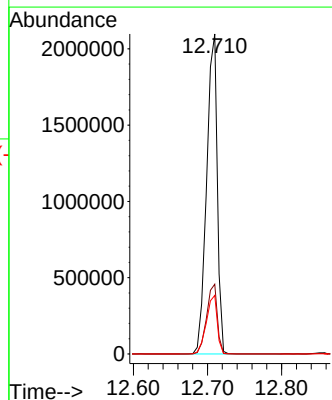
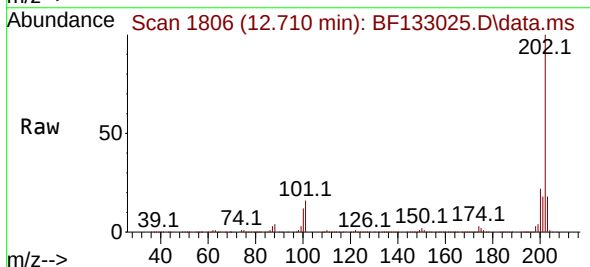
Instrument :
BNA_F
ClientSampleId :
PB152241BS

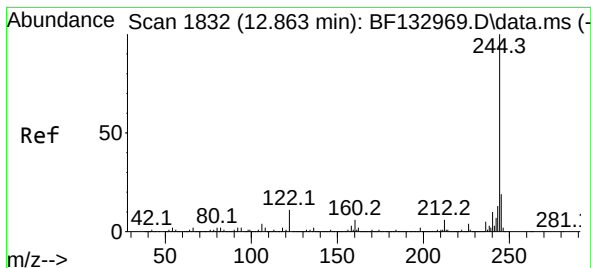
Tgt Ion:184 Resp: 1124740
Ion Ratio Lower Upper
184 100
185 14.7 15.4 23.2#
183 12.2 9.4 14.0



#78
Pyrene
Concen: 41.683 ng
RT: 12.710 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF133025.D
Acq: 25 Apr 2023 11:31

Tgt Ion:202 Resp: 2097478
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 69.691 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

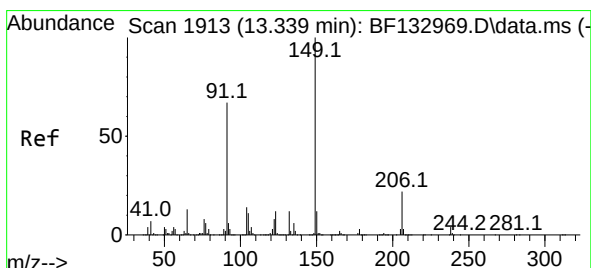
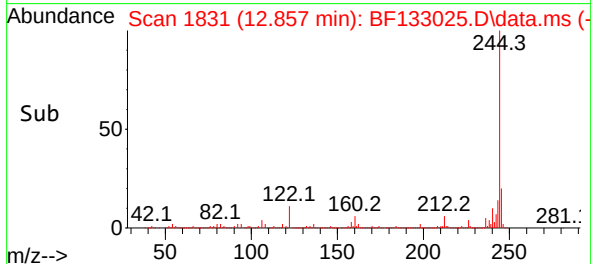
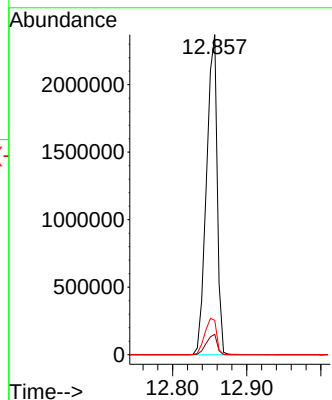
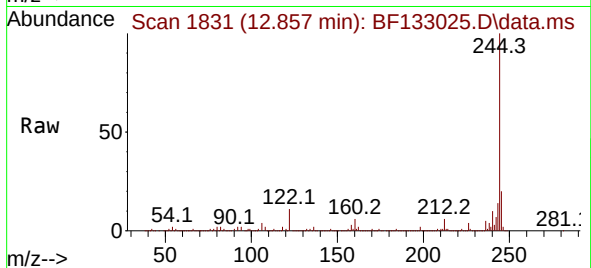
Tgt Ion:244 Resp: 2371968

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 10.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 50.410 ng

RT: 13.333 min Scan# 1912

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

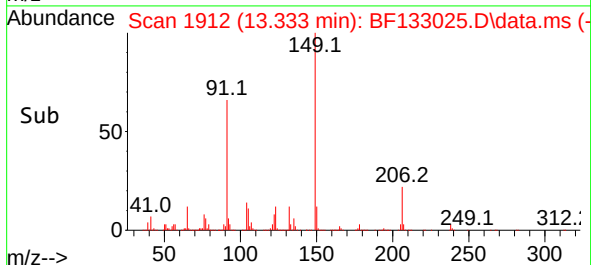
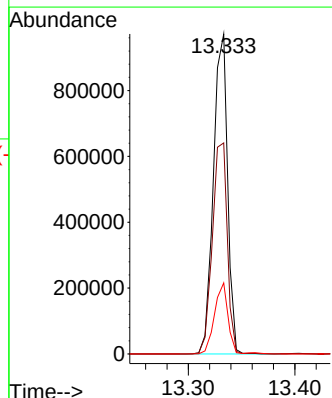
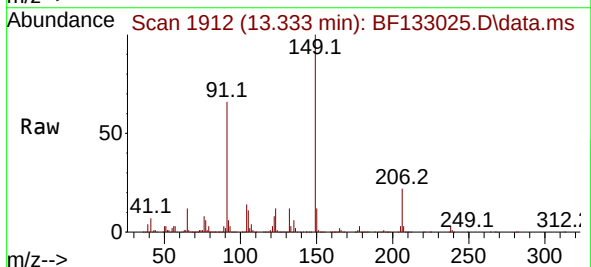
Tgt Ion:149 Resp: 898147

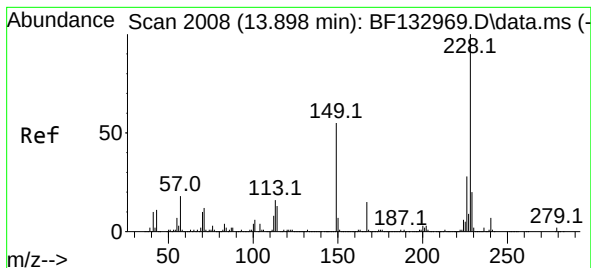
Ion Ratio Lower Upper

149 100

91 66.0 53.8 80.6

206 22.2 17.5 26.3





#81

Benzo(a)anthracene

Concen: 40.587 ng

RT: 13.892 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

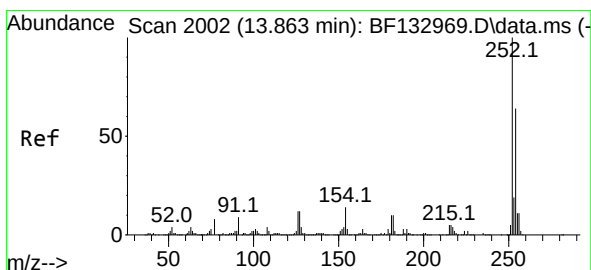
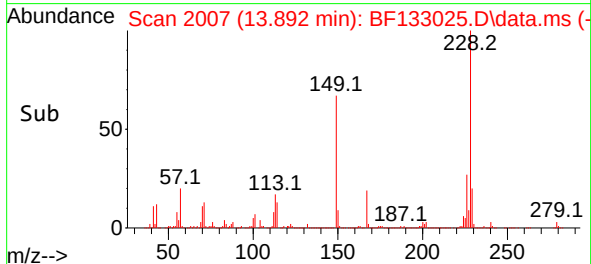
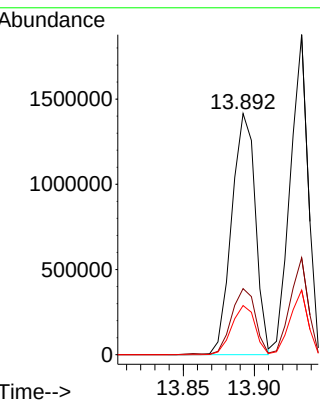
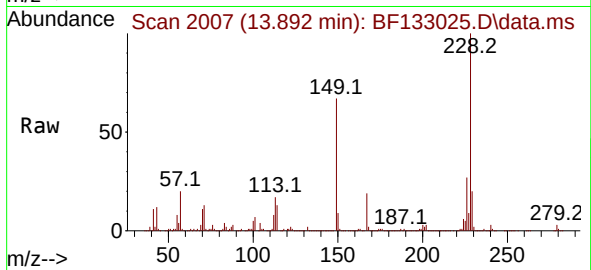
Tgt Ion:228 Resp: 1638350

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.4

229 20.4 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 32.972 ng

RT: 13.857 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

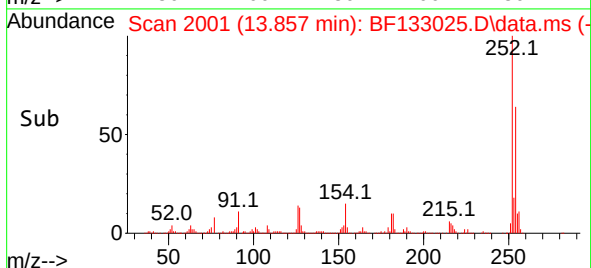
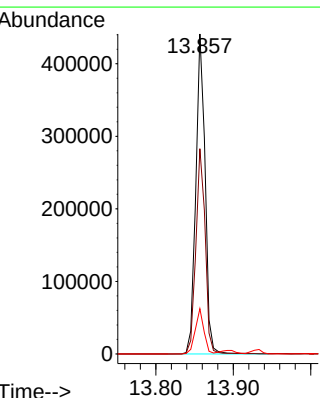
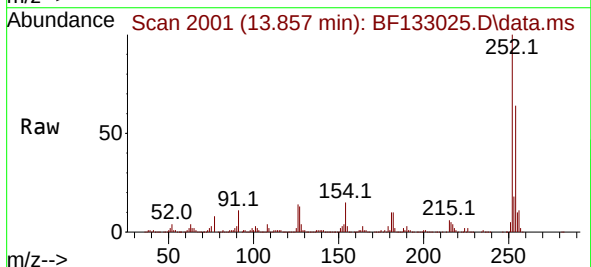
Tgt Ion:252 Resp: 367672

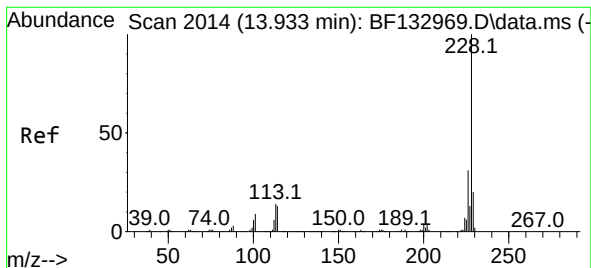
Ion Ratio Lower Upper

252 100

254 64.1 51.5 77.3

126 14.1 9.5 14.3





#83

Chrysene

Concen: 40.629 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

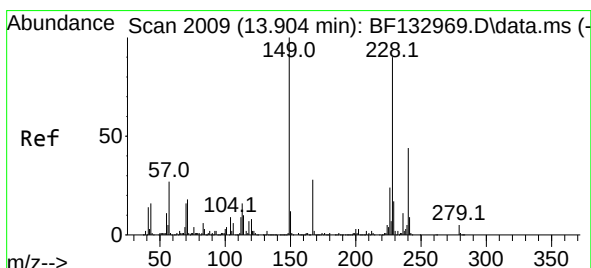
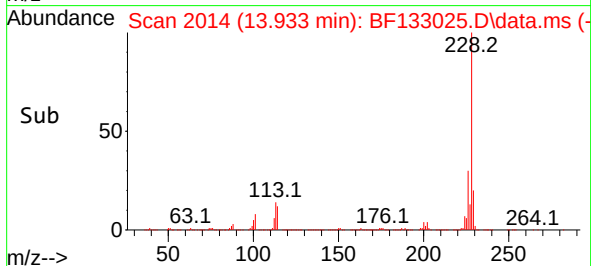
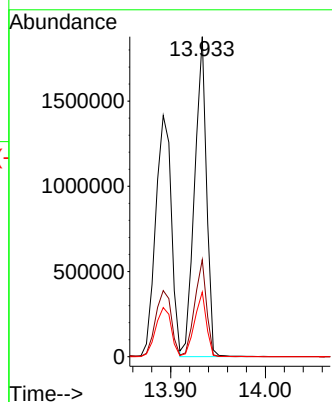
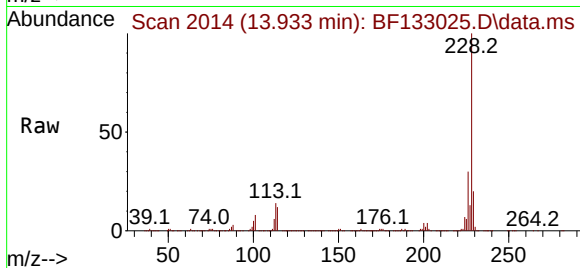
Tgt Ion:228 Resp: 1639634

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 20.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.207 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

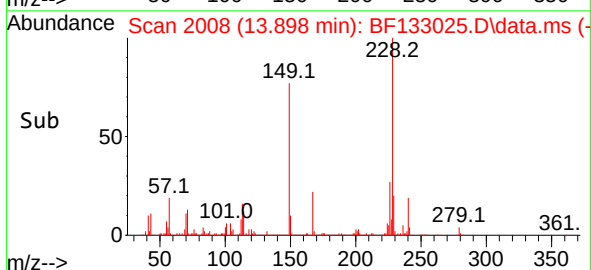
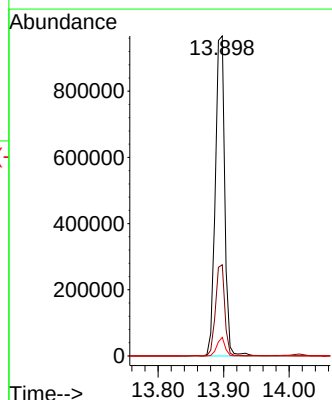
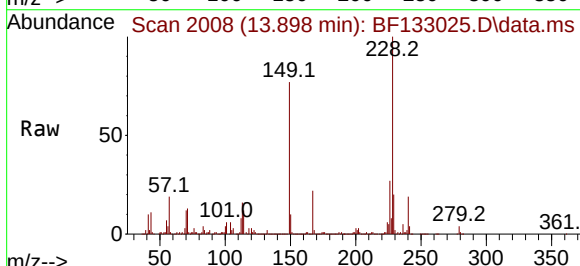
Tgt Ion:149 Resp: 966241

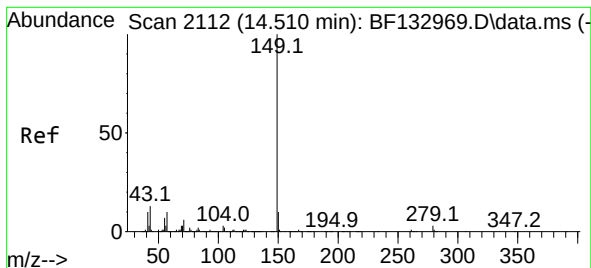
Ion Ratio Lower Upper

149 100

167 28.5 22.5 33.7

279 5.8 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 43.664 ng

RT: 14.504 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

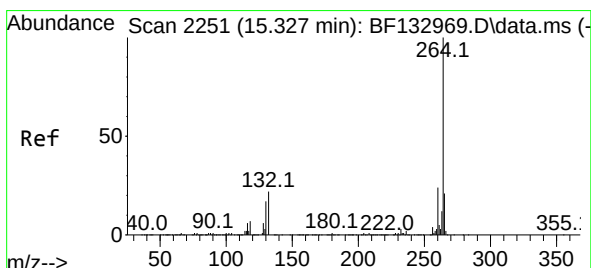
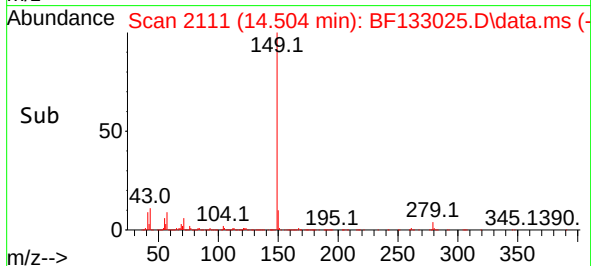
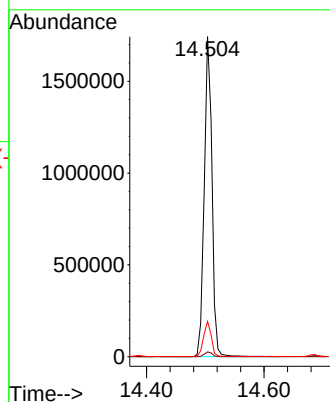
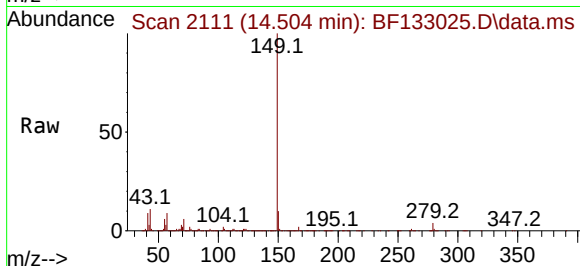
Tgt Ion:149 Resp: 1592192

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.0 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 2250

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

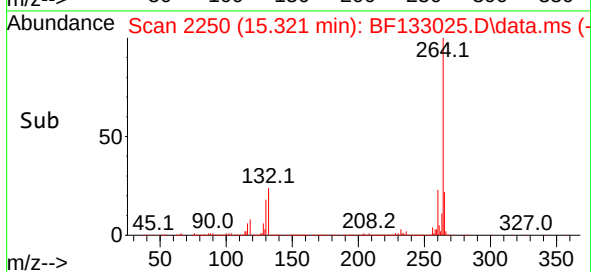
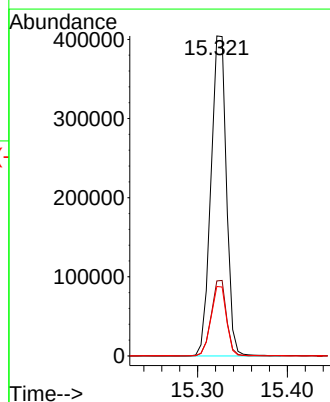
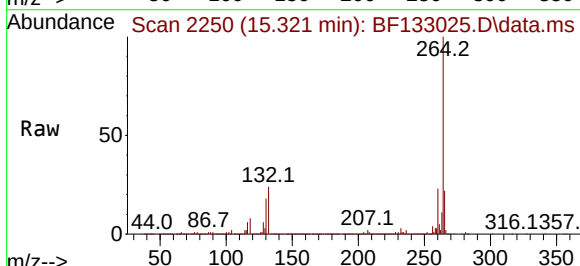
Tgt Ion:264 Resp: 484539

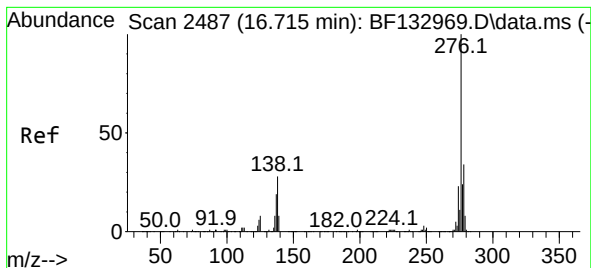
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.293 ng

RT: 16.715 min Scan# 2487

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

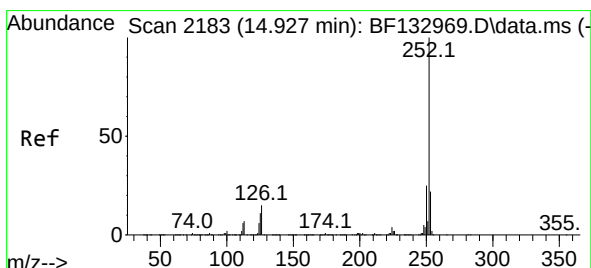
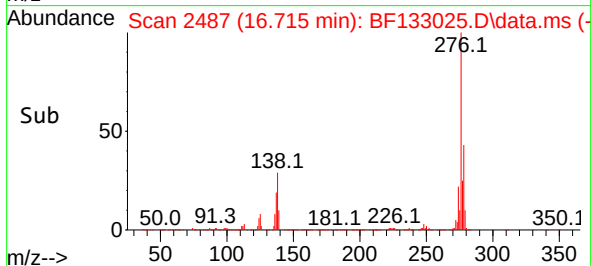
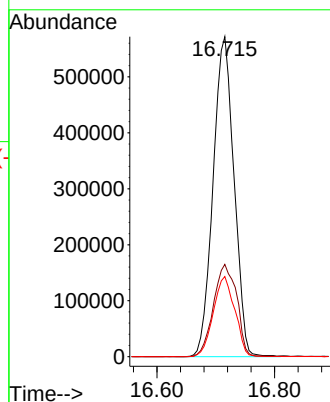
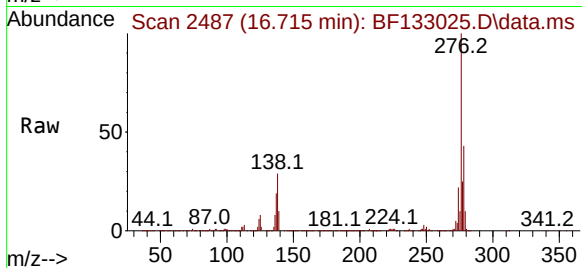
Tgt Ion:276 Resp: 1413711

Ion Ratio Lower Upper

276 100

138 32.0 25.5 38.3

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 44.068 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

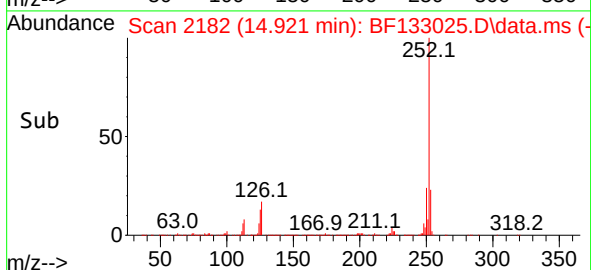
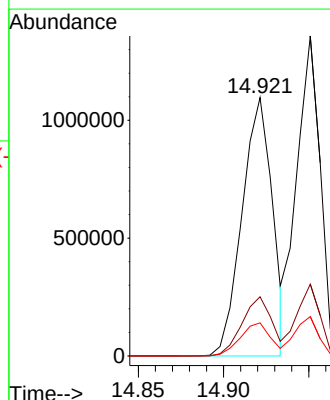
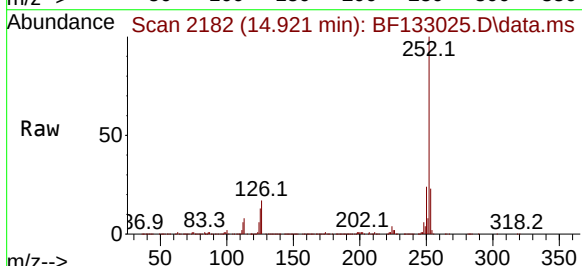
Tgt Ion:252 Resp: 1358434

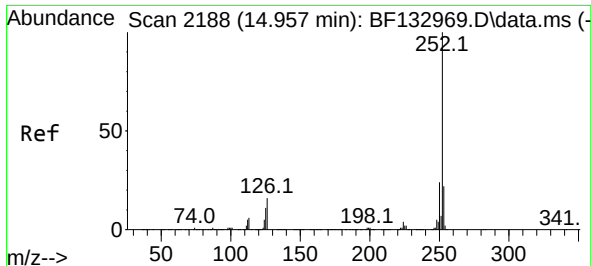
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 12.8 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 43.025 ng

RT: 14.951 min Scan# 2188

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

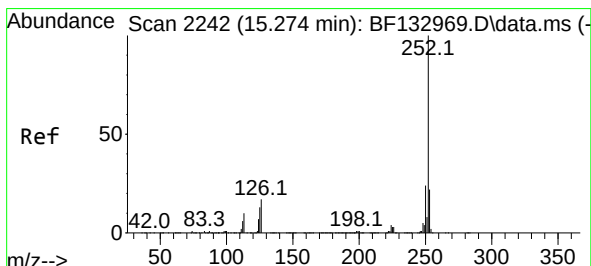
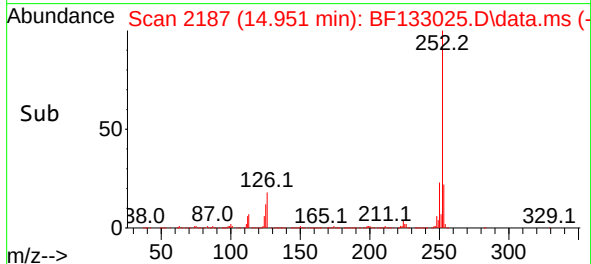
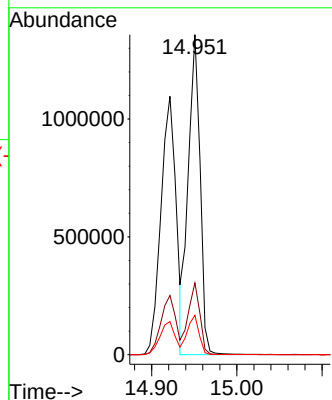
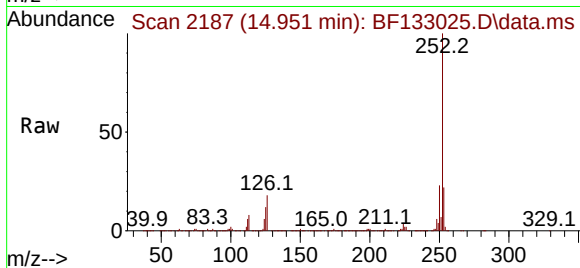
Tgt Ion:252 Resp: 1314710

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 12.3 9.0 13.4



#90

Benzo(a)pyrene

Concen: 40.784 ng

RT: 15.268 min Scan# 2241

Delta R.T. -0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

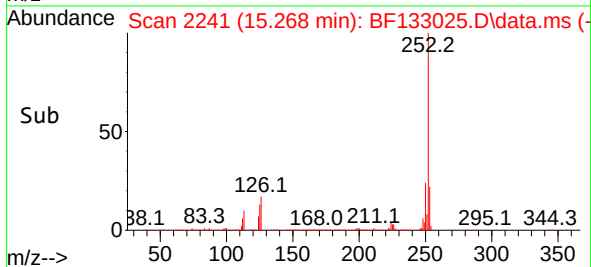
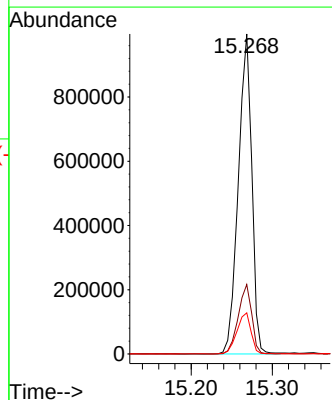
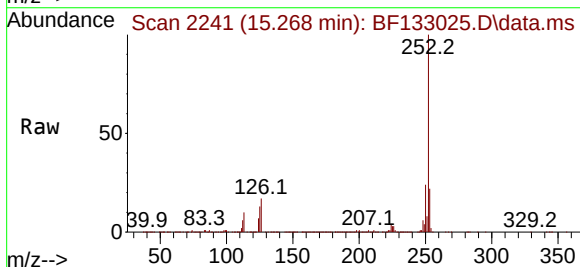
Tgt Ion:252 Resp: 1144322

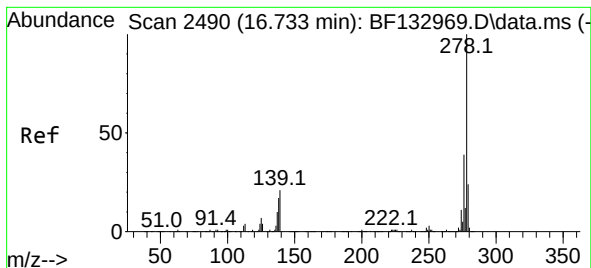
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 12.9 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 51.412 ng

RT: 16.733 min Scan# 2490

Delta R.T. 0.000 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Instrument :

BNA_F

ClientSampleId :

PB152241BS

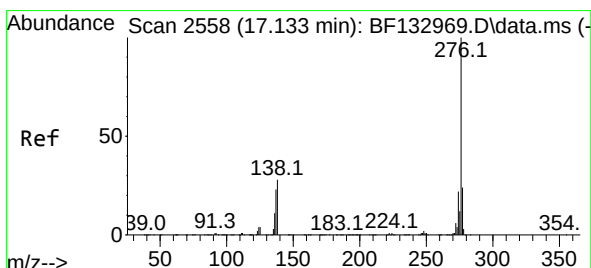
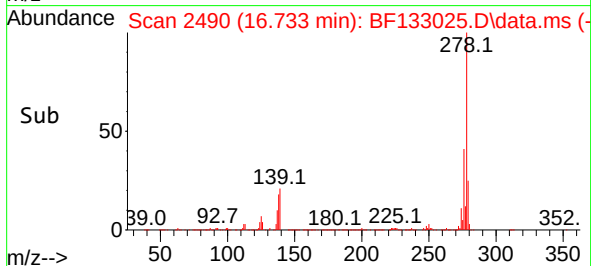
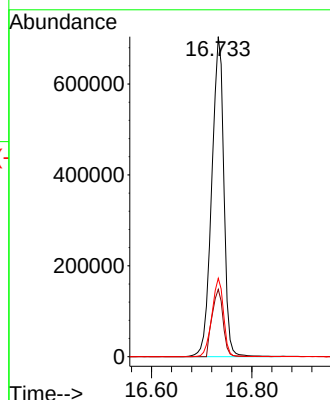
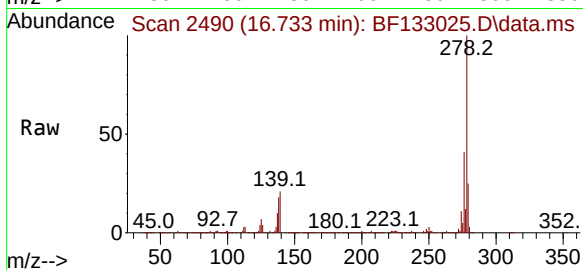
Tgt Ion:278 Resp: 1181848

Ion Ratio Lower Upper

278 100

139 21.1 16.6 24.8

279 24.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 52.327 ng

RT: 17.139 min Scan# 2559

Delta R.T. 0.006 min

Lab File: BF133025.D

Acq: 25 Apr 2023 11:31

Tgt Ion:276 Resp: 1187546

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 27.1 22.7 34.1

