

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132028.D
 Acq On : 11 Jan 2023 17:56
 Operator : CG\JU
 Sample : 01072-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-5-MIDDLE(4-8)MSD

Quant Time: Jan 12 00:36:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79988	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	296082	20.000	ng	-0.01
39) Acenaphthene-d10	9.833	164	173588	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	313335	20.000	ng	0.00
76) Chrysene-d12	13.980	240	139174	20.000	ng	0.00
86) Perylene-d12	15.439	264	145219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	283905	58.485	ng	0.01
7) Phenol-d6	6.434	99	649135	100.857	ng	0.00
23) Nitrobenzene-d5	7.357	82	499187	69.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	8997	4.508	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	914837	71.145	ng	-0.01
79) Terphenyl-d14	12.916	244	903211	93.016	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.557	88	86926	41.001	ng	99
3) Pyridine	3.281	79	237536	39.921	ng	98
4) n-Nitrosodimethylamine	3.257	42	123836	44.283	ng	94
6) Aniline	6.445	93	182787	21.585	ng	# 1
8) 2-Chlorophenol	6.569	128	228469	46.910	ng	98
9) Benzaldehyde	6.328	77	141829	33.118	ng	97
10) Phenol	6.445	94	319010	44.431	ng	97
11) bis(2-Chloroethyl)ether	6.522	93	239875	44.319	ng	99
12) 1,3-Dichlorobenzene	6.716	146	251742	46.406	ng	97
13) 1,4-Dichlorobenzene	6.798	146	254855	46.432	ng	98
14) 1,2-Dichlorobenzene	6.951	146	241825	46.389	ng	99
15) Benzyl Alcohol	6.934	79	252620	45.072	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	302255	44.251	ng	# 14
17) 2-Methylphenol	7.051	107	207062	42.961	ng	92
18) Hexachloroethane	7.287	117	105819	46.618	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	201261	43.228	ng	98
20) 3+4-Methylphenols	7.210	107	270332	43.688	ng	# 70
22) Acetophenone	7.198	105	381303	44.232	ng	93
24) Nitrobenzene	7.375	77	304165	41.881	ng	98
25) Isophorone	7.616	82	556588	41.763	ng	99
26) 2-Nitrophenol	7.692	139	128000	44.792	ng	96
27) 2,4-Dimethylphenol	7.734	122	211751	44.393	ng	96
28) bis(2-Chloroethoxy)met...	7.828	93	313016	42.437	ng	99
29) 2,4-Dichlorophenol	7.939	162	214393	43.882	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	247650	44.259	ng	99
31) Naphthalene	8.092	128	677137	43.275	ng	99
32) Benzoic acid	7.881	122	71946	26.017	ng	100
33) 4-Chloroaniline	8.151	127	56816	8.799	ng	93
34) Hexachlorobutadiene	8.204	225	168141	43.342	ng	98
35) Caprolactam	8.545	113	43423	30.261	ng	93
36) 4-Chloro-3-methylphenol	8.651	107	246308	42.954	ng	100
37) 2-Methylnaphthalene	8.786	142	464434	41.327	ng	98
38) 1-Methylnaphthalene	8.886	142	425527	40.870	ng	98
40) 1,2,4,5-Tetrachloroben...	8.957	216	268990	43.975	ng	98
41) Hexachlorocyclopentadiene	8.933	237	190155	64.300	ng	98
43) 2,4,6-Trichlorophenol	9.075	196	157541	42.788	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132028.D
 Acq On : 11 Jan 2023 17:56
 Operator : CG\JU
 Sample : 01072-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-5-MIDDLE(4-8)MSD

Quant Time: Jan 12 00:36:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

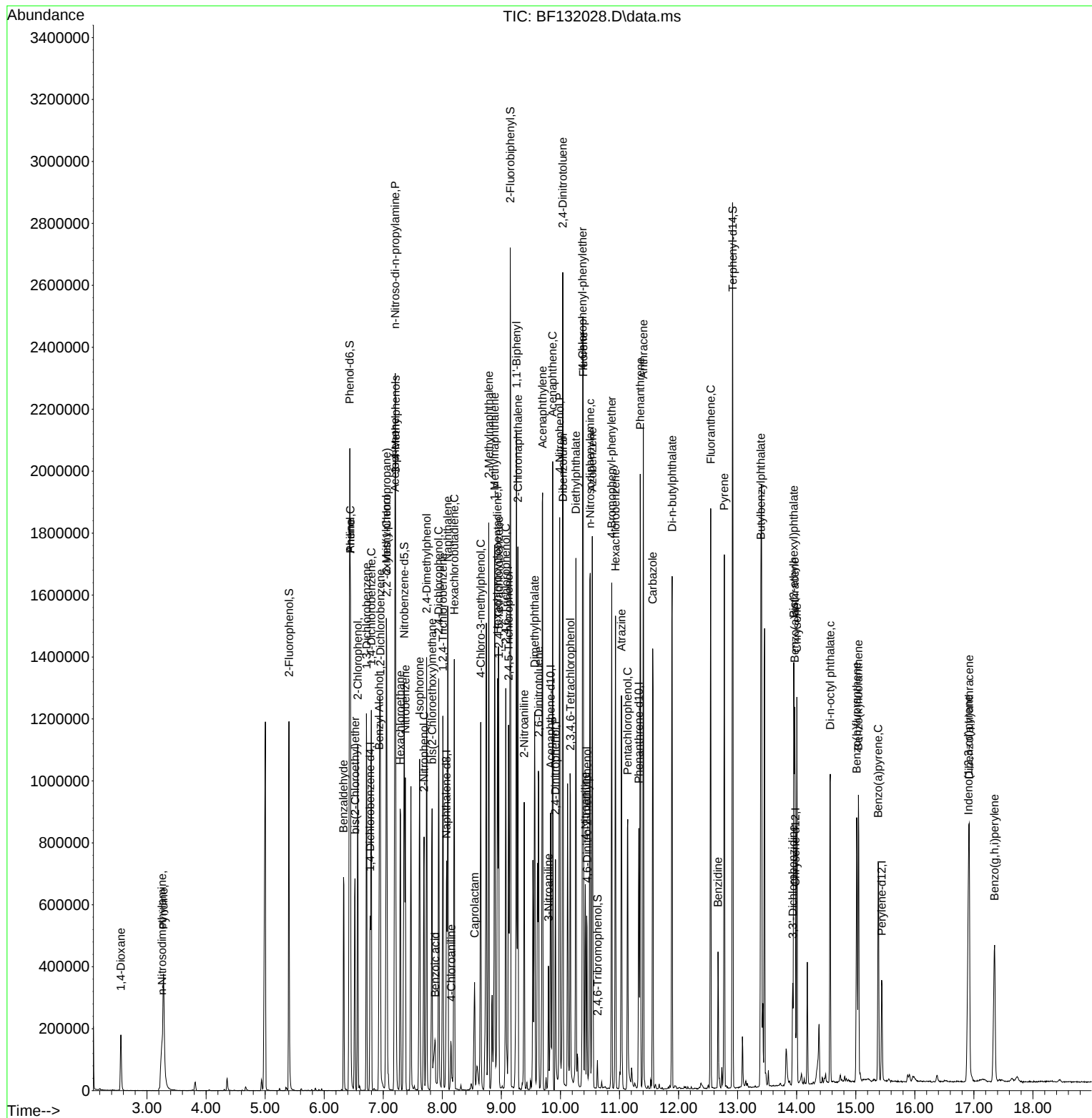
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	165906	38.705	ng	97
46) 1,1'-Biphenyl	9.257	154	595780	44.467	ng	99
47) 2-Chloronaphthalene	9.281	162	465919	44.805	ng	100
48) 2-Nitroaniline	9.386	65	154966	41.029	ng	99
49) Acenaphthylene	9.698	152	689506	42.728	ng	99
50) Dimethylphthalate	9.563	163	566558	41.871	ng	99
51) 2,6-Dinitrotoluene	9.633	165	121137	42.566	ng	98
52) Acenaphthene	9.869	154	408689	42.192	ng	99
53) 3-Nitroaniline	9.798	138	45775	16.579	ng	93
54) 2,4-Dinitrophenol	9.916	184	87257	61.066	ng	98
55) Dibenzofuran	10.045	168	636814	41.707	ng	99
56) 4-Nitrophenol	9.986	139	108137	69.533	ng	98
57) 2,4-Dinitrotoluene	10.039	165	156320	41.084	ng	94
58) Fluorene	10.386	166	508928	41.725	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	134150	42.002	ng	94
60) Diethylphthalate	10.263	149	547738	41.167	ng	100
61) 4-Chlorophenyl-phenyle...	10.375	204	283350	40.581	ng	93
62) 4-Nitroaniline	10.422	138	90750	36.553	ng	87
63) Azobenzene	10.539	77	645745	45.752	ng	99
65) 4,6-Dinitro-2-methylph...	10.451	198	72886	36.071	ng	98
66) n-Nitrosodiphenylamine	10.504	169	430713	43.815	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	170419	43.477	ng	98
68) Hexachlorobenzene	10.933	284	181546	45.785	ng	96
69) Atrazine	11.033	200	161478	45.171	ng	99
70) Pentachlorophenol	11.139	266	115025	55.792	ng	98
71) Phenanthrene	11.351	178	709257	43.421	ng	99
72) Anthracene	11.404	178	714185	42.472	ng	99
73) Carbazole	11.563	167	570295	40.965	ng	99
74) Di-n-butylphthalate	11.892	149	808825	41.726	ng	99
75) Fluoranthene	12.545	202	690752	37.602	ng	99
77) Benzidine	12.669	184	157820	34.133	ng	96
78) Pyrene	12.774	202	668716	52.682	ng	100
80) Butylbenzylphthalate	13.392	149	240452	46.930	ng	100
81) Benzo(a)anthracene	13.968	228	435861	43.047	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	61512	19.465	ng	98
83) Chrysene	14.004	228	403383	42.628	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	315815	45.497	ng	100
85) Di-n-octyl phthalate	14.568	149	478011	50.324	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	467586	52.501	ng	100
88) Benzo(b)fluoranthene	15.015	252	424660	42.635	ng	99
89) Benzo(k)fluoranthene	15.045	252	376883	37.914	ng	99
90) Benzo(a)pyrene	15.380	252	362022	40.341	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	395450	52.967	ng	99
92) Benzo(g,h,i)perylene	17.351	276	378550	47.400	ng	99

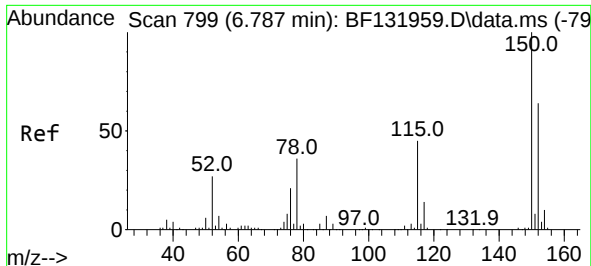
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132028.D
 Acq On : 11 Jan 2023 17:56
 Operator : CG\JU
 Sample : 01072-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-5-MIDDLE(4-8)MSD

Quant Time: Jan 12 00:36:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

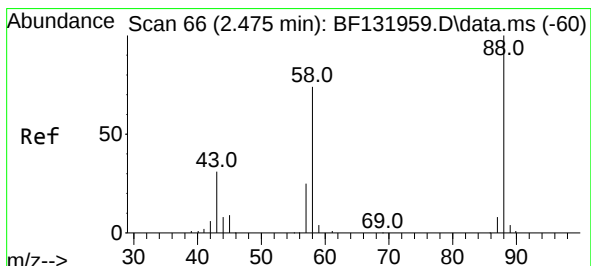
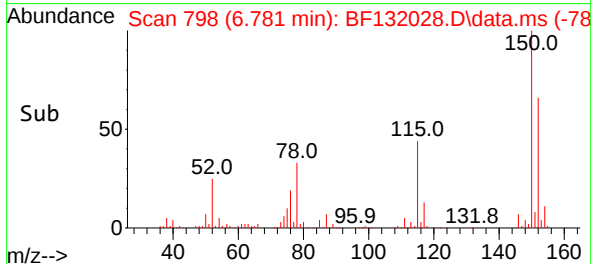
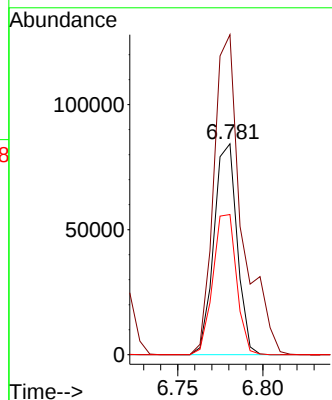
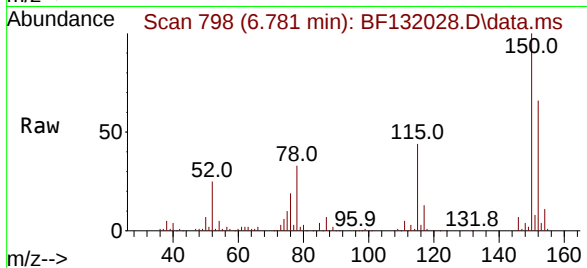




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF132028.D
 Acq: 11 Jan 2023 17:56

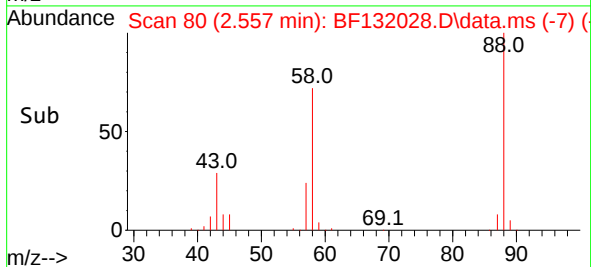
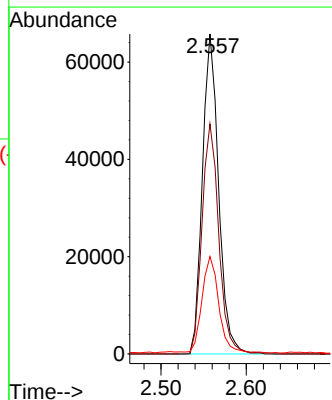
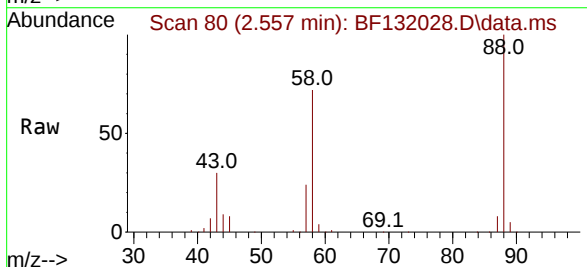
Instrument :
 BNA_F
 ClientSampleId :
 H-5-MIDDLE(4-8)MSD

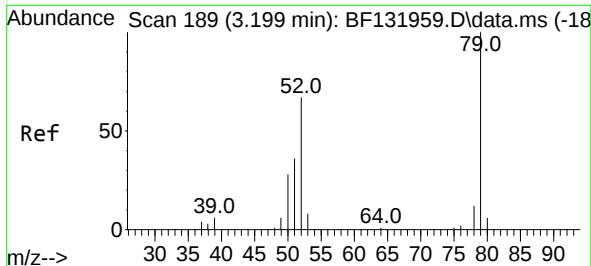
Tgt Ion:152 Resp: 79988
 Ion Ratio Lower Upper
 152 100
 150 151.7 124.6 186.8
 115 66.4 55.6 83.4



#2
 1,4-Dioxane
 Concen: 41.001 ng
 RT: 2.557 min Scan# 80
 Delta R.T. 0.082 min
 Lab File: BF132028.D
 Acq: 11 Jan 2023 17:56

Tgt Ion: 88 Resp: 86926
 Ion Ratio Lower Upper
 88 100
 58 74.2 59.0 88.4
 43 31.3 24.6 37.0





#3

Pyridine

Concen: 39.921 ng

RT: 3.281 min Scan# 20

Delta R.T. 0.082 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

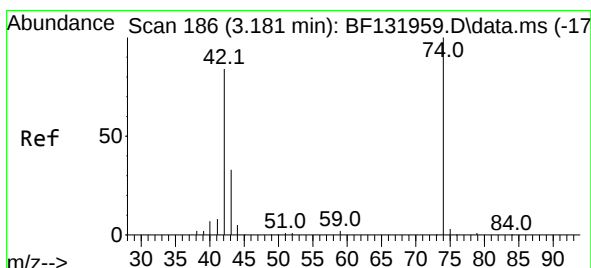
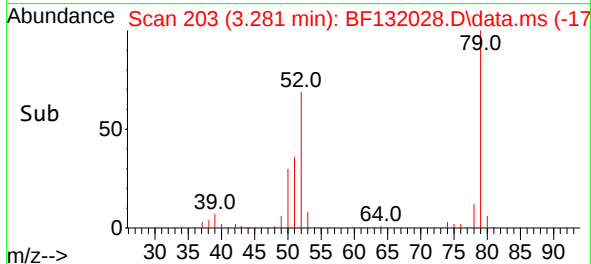
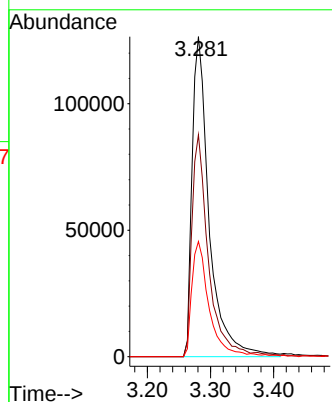
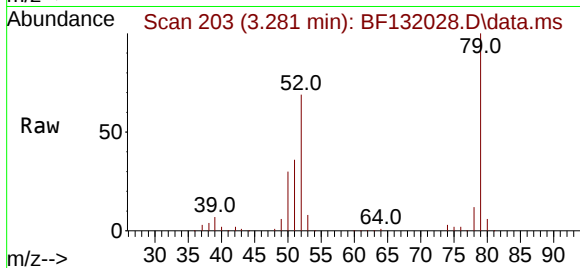
Tgt Ion: 79 Resp: 237536

Ion Ratio Lower Upper

79 100

52 69.4 53.7 80.5

51 36.0 28.6 43.0



#4

n-Nitrosodimethylamine

Concen: 44.283 ng

RT: 3.257 min Scan# 199

Delta R.T. 0.076 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

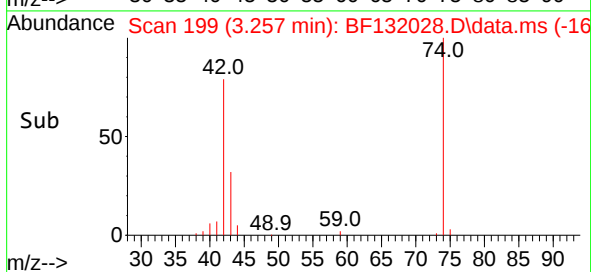
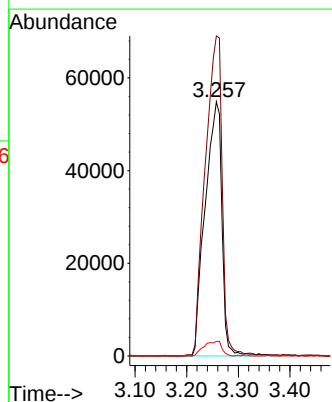
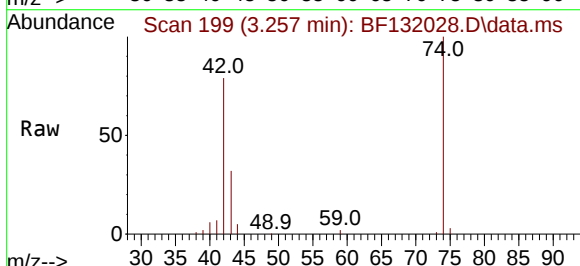
Tgt Ion: 42 Resp: 123836

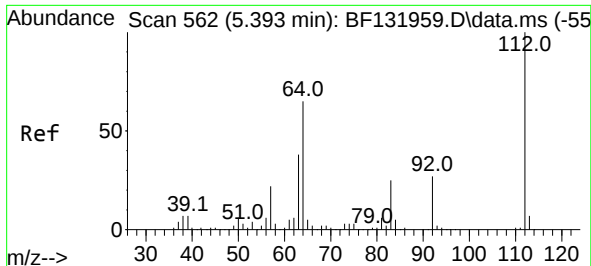
Ion Ratio Lower Upper

42 100

74 125.9 94.8 142.2

44 5.7 4.5 6.7

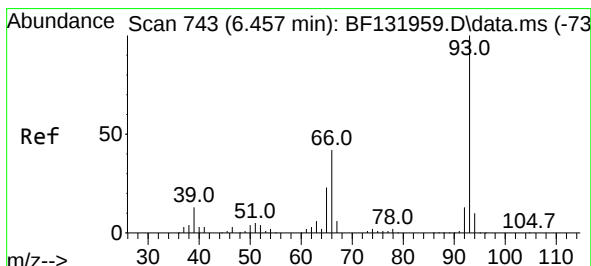
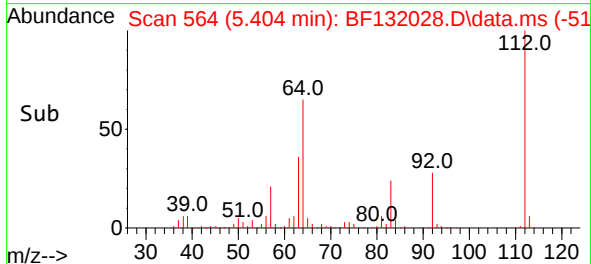
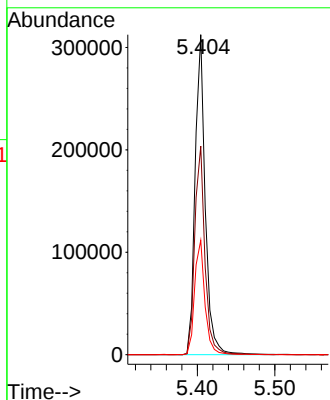
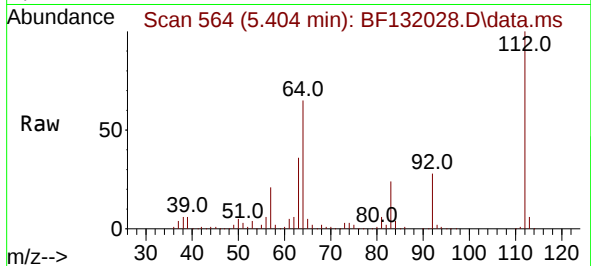




#5
2-Fluorophenol
Concen: 58.485 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

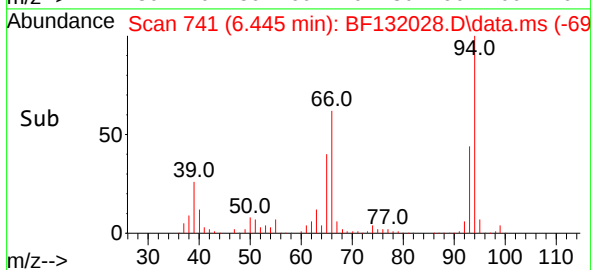
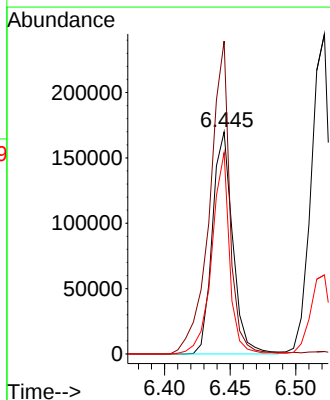
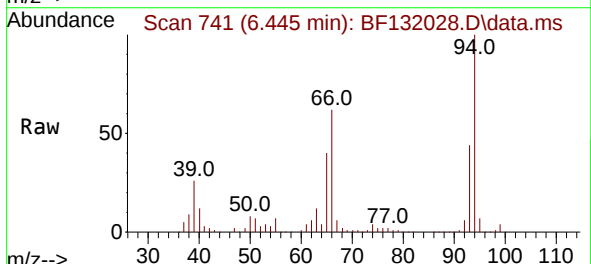
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

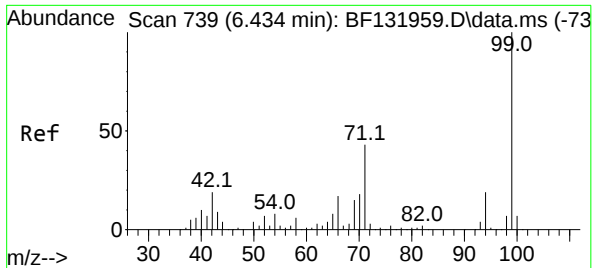
Tgt Ion:112 Resp: 283905
Ion Ratio Lower Upper
112 100
64 65.2 51.9 77.9
63 35.8 30.2 45.2



#6
Aniline
Concen: 21.585 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion: 93 Resp: 182787
Ion Ratio Lower Upper
93 100
66 140.9 34.6 51.8#
65 90.7 18.2 27.2#

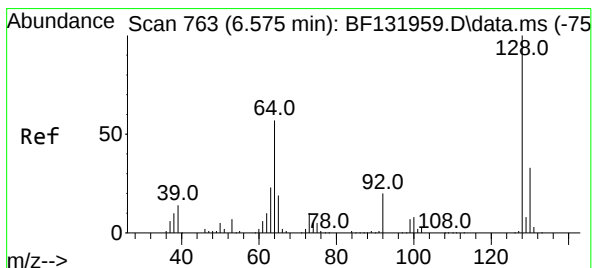
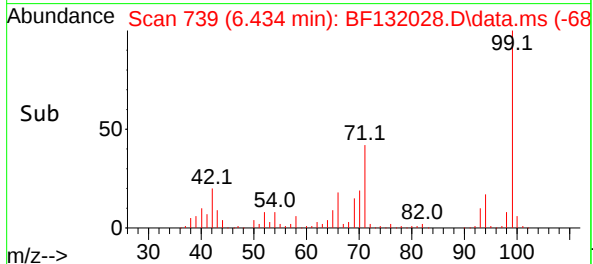
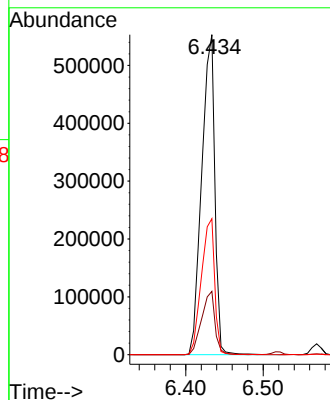
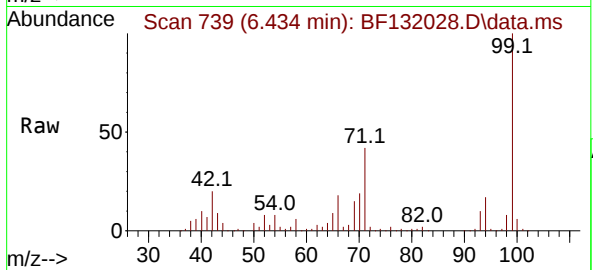




#7
Phenol-d6
Concen: 100.857 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

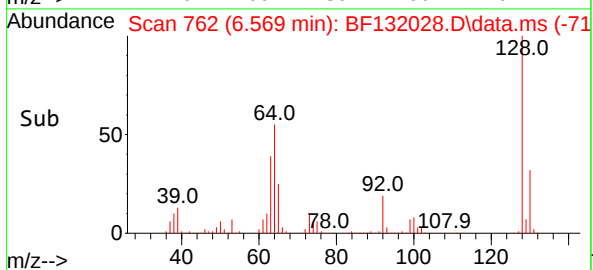
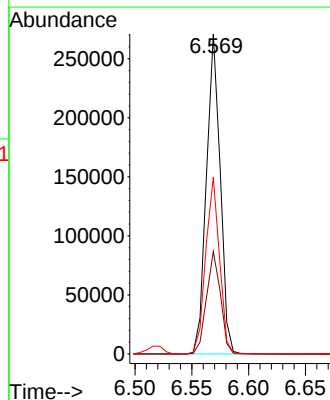
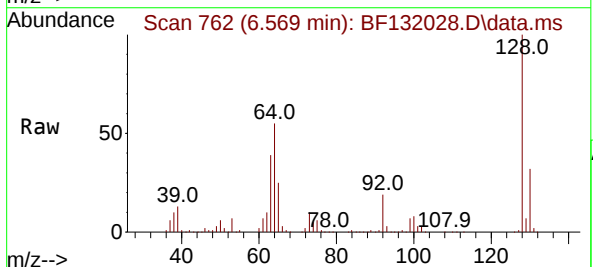
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

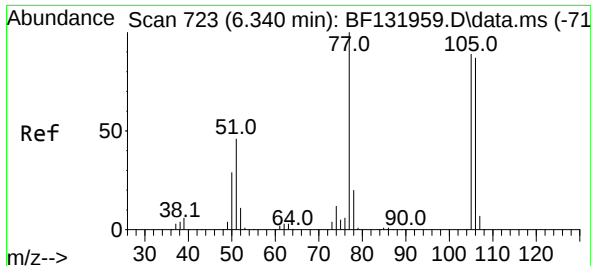
Tgt Ion: 99 Resp: 649135
Ion Ratio Lower Upper
99 100
42 19.8 15.4 23.2
71 42.5 34.6 51.8



#8
2-Chlorophenol
Concen: 46.910 ng
RT: 6.569 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:128 Resp: 228469
Ion Ratio Lower Upper
128 100
130 32.1 12.5 52.5
64 55.2 37.6 77.6





#9

Benzaldehyde

Concen: 33.118 ng

RT: 6.328 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

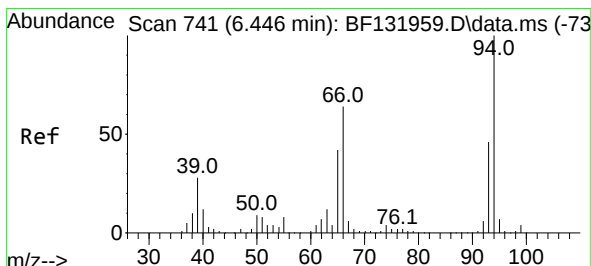
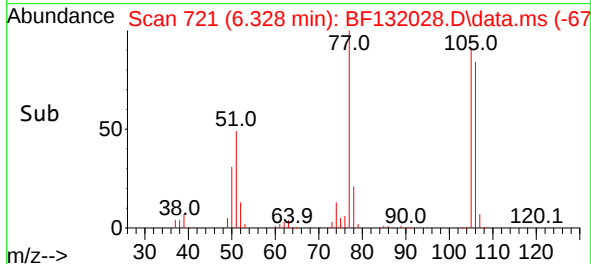
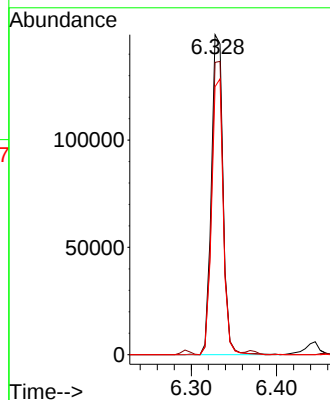
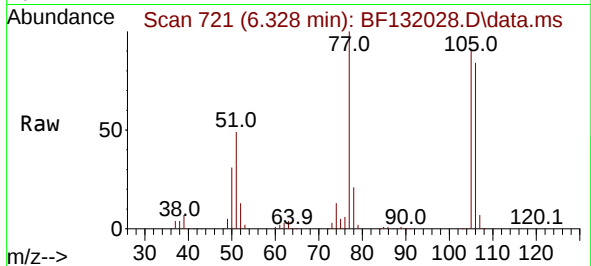
Tgt Ion: 77 Resp: 141829

Ion Ratio Lower Upper

77 100

105 91.3 69.0 109.0

106 83.7 67.0 107.0



#10

Phenol

Concen: 44.431 ng

RT: 6.445 min Scan# 741

Delta R.T. -0.000 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

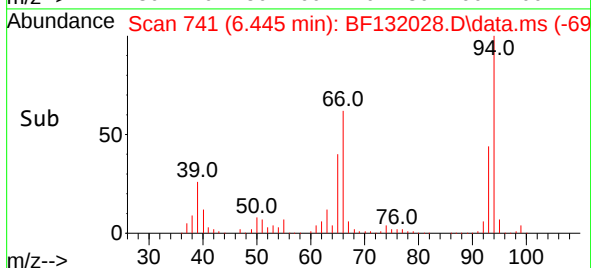
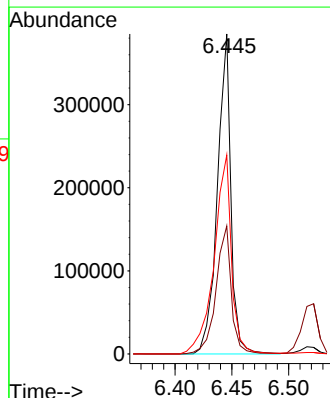
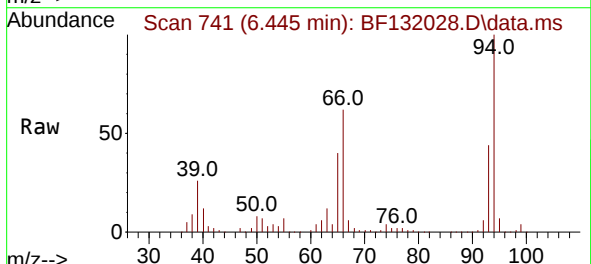
Tgt Ion: 94 Resp: 319010

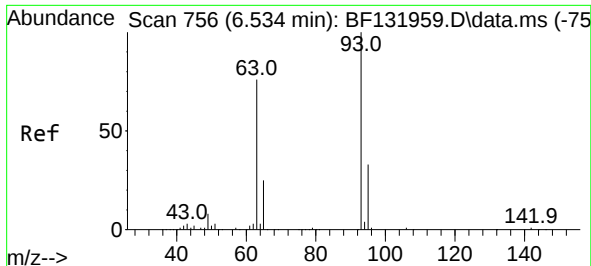
Ion Ratio Lower Upper

94 100

65 40.0 22.2 62.2

66 62.2 44.4 84.4

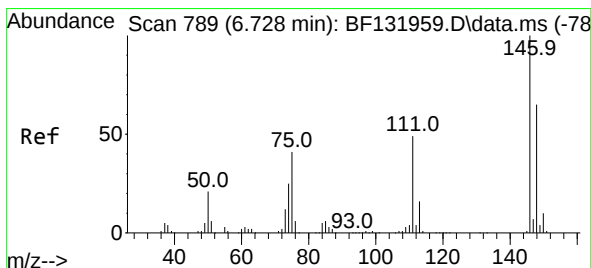
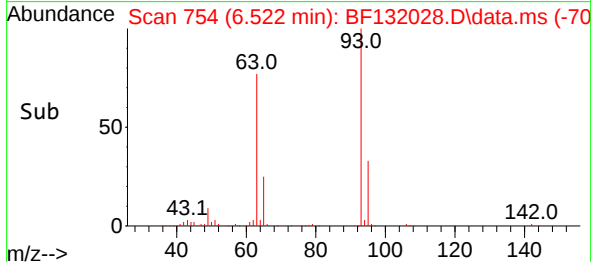
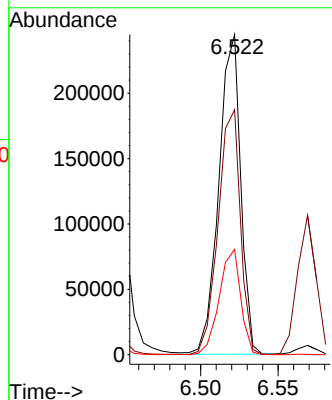
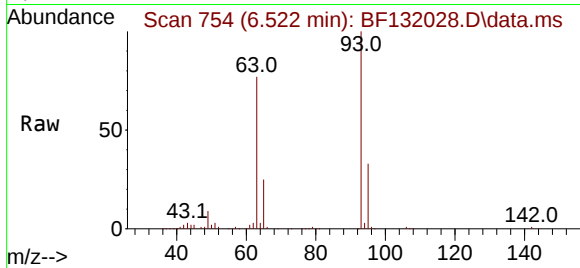




#11
bis(2-Chloroethyl)ether
Concen: 44.319 ng
RT: 6.522 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

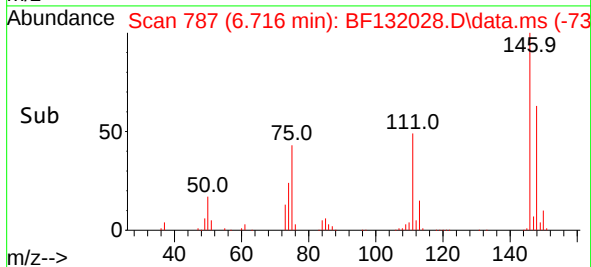
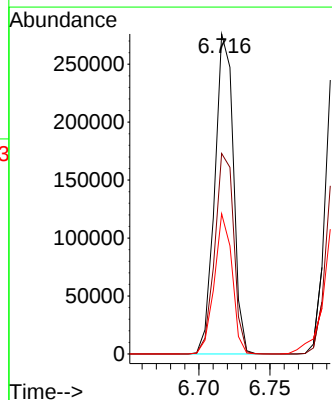
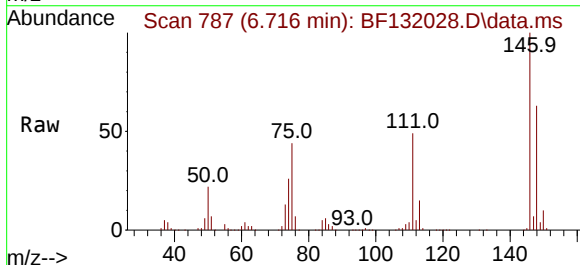
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

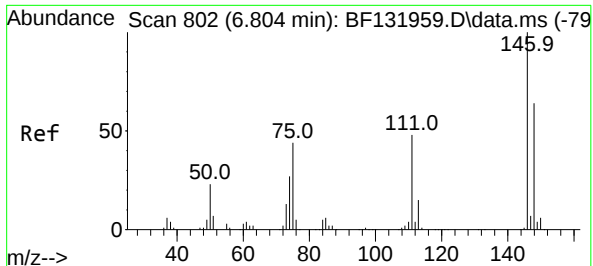
Tgt Ion: 93 Resp: 239875
Ion Ratio Lower Upper
93 100
63 76.5 55.5 95.5
95 32.9 13.1 53.1



#12
1,3-Dichlorobenzene
Concen: 46.406 ng
RT: 6.716 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:146 Resp: 251742
Ion Ratio Lower Upper
146 100
148 62.6 51.7 77.5
75 43.8 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 46.432 ng

RT: 6.798 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

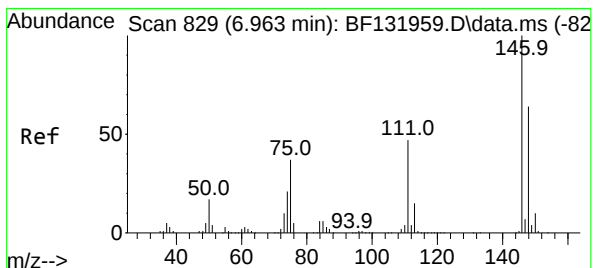
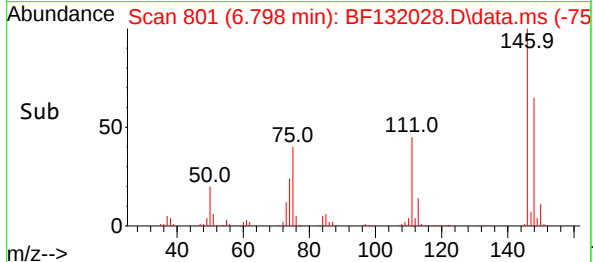
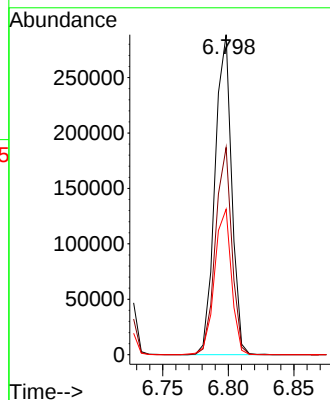
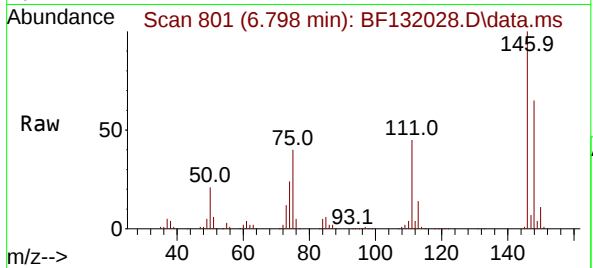
Tgt Ion:146 Resp: 254855

Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.6

111 45.5 38.5 57.7



#14

1,2-Dichlorobenzene

Concen: 46.389 ng

RT: 6.951 min Scan# 827

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

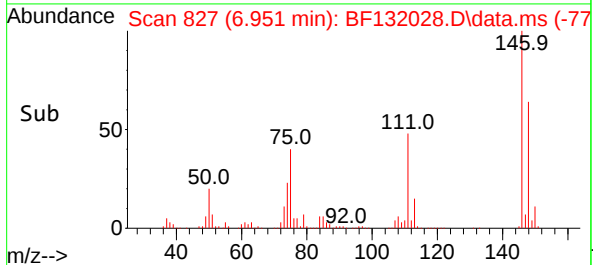
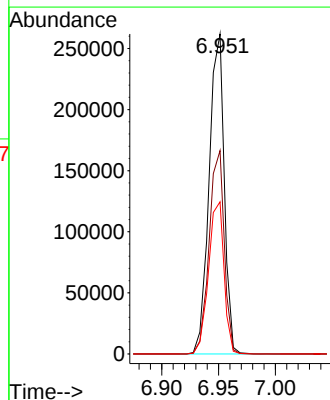
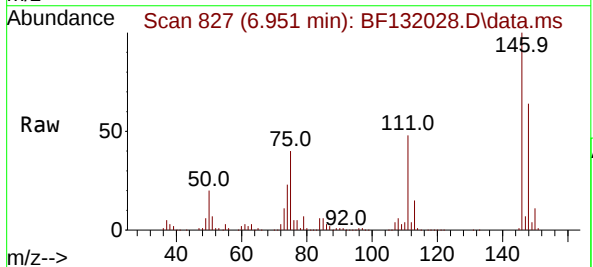
Tgt Ion:146 Resp: 241825

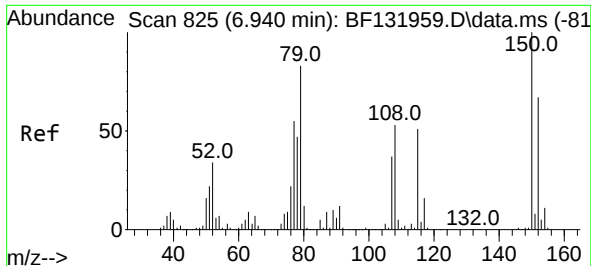
Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.0

111 47.6 37.7 56.5

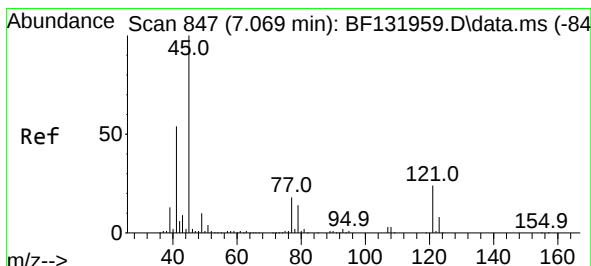
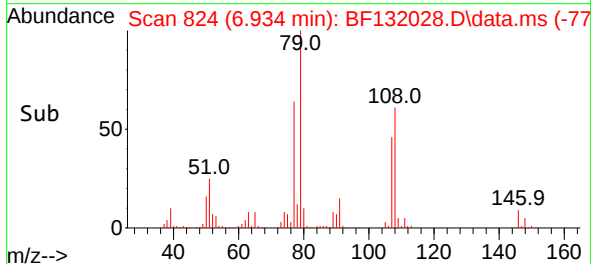
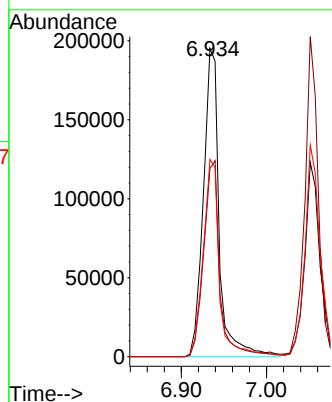
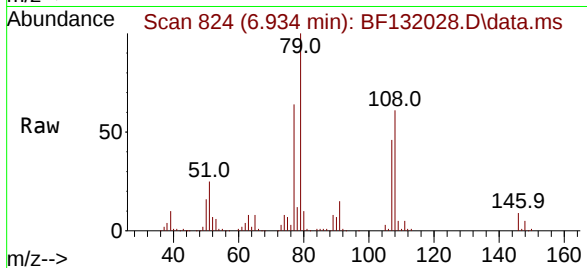




#15
Benzyl Alcohol
Concen: 45.072 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

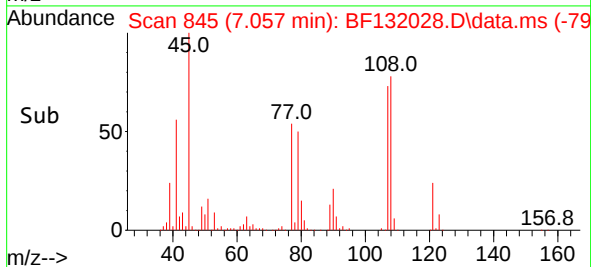
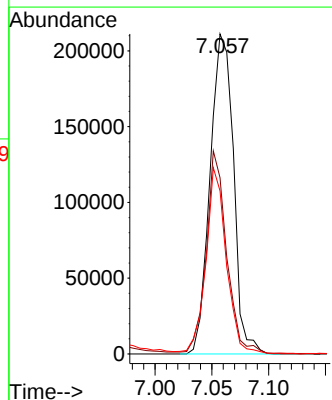
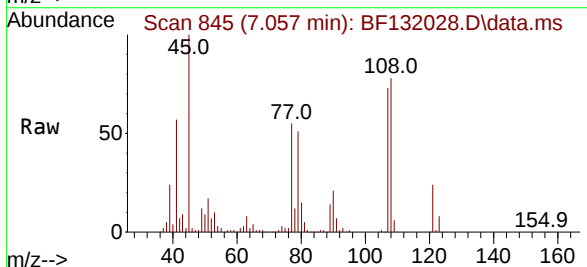
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

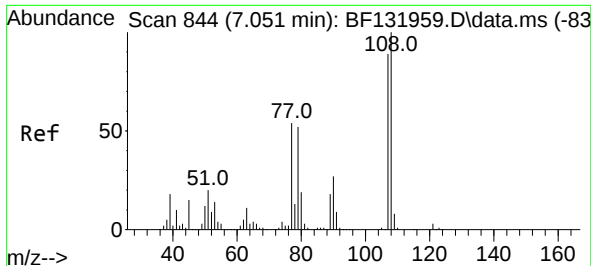
Tgt Ion: 79 Resp: 252620
Ion Ratio Lower Upper
79 100
108 61.1 51.7 77.5
77 63.9 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.251 ng
RT: 7.057 min Scan# 845
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion: 45 Resp: 302255
Ion Ratio Lower Upper
45 100
77 55.0 0.0 38.1#
79 51.0 0.0 34.6#

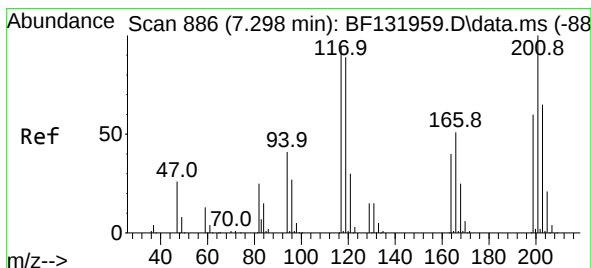
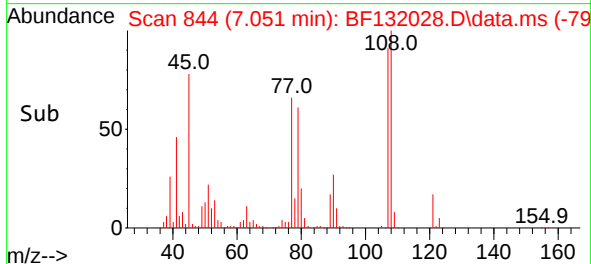
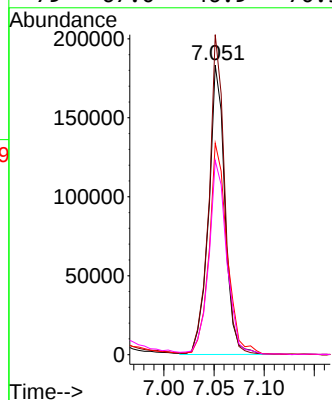
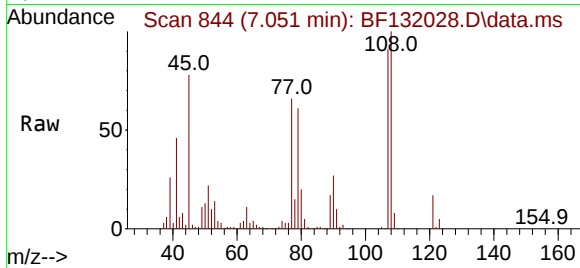




#17
2-Methylphenol
Concen: 42.961 ng
RT: 7.051 min Scan# 844
Delta R.T. -0.000 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

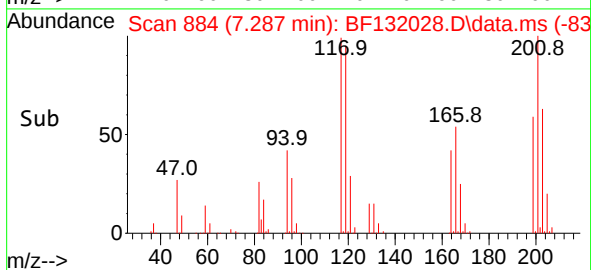
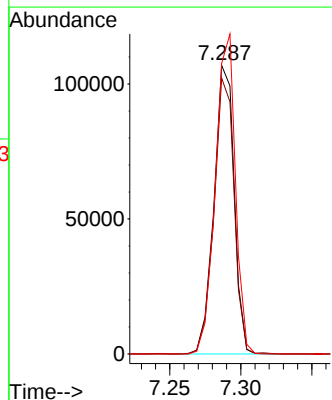
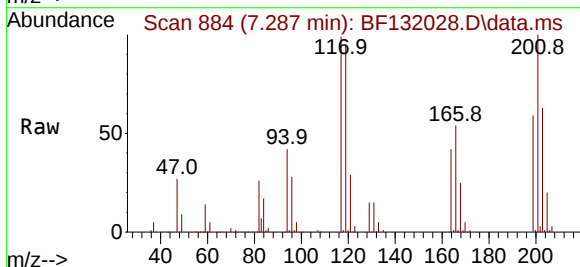
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

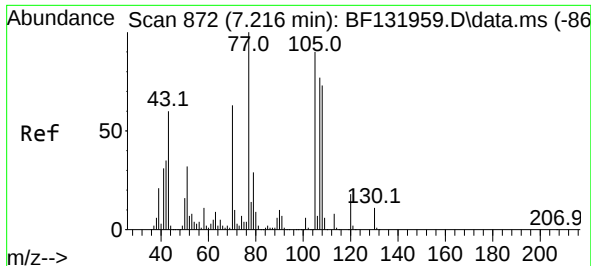
Tgt Ion:107	Resp:	207062	
Ion	Ratio	Lower	Upper
107	100		
108	110.5	90.0	135.0
77	73.0	48.8	73.2
79	67.0	46.9	70.3



#18
Hexachloroethane
Concen: 46.618 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:117	Resp:	105819	
Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.4	113.0
201	100.7	84.2	126.4

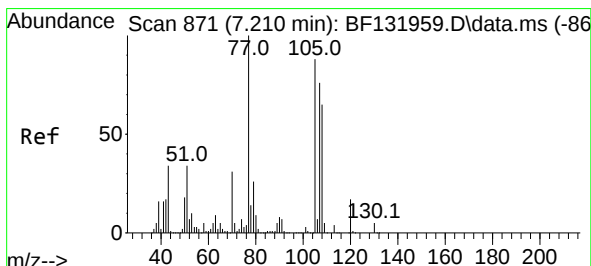
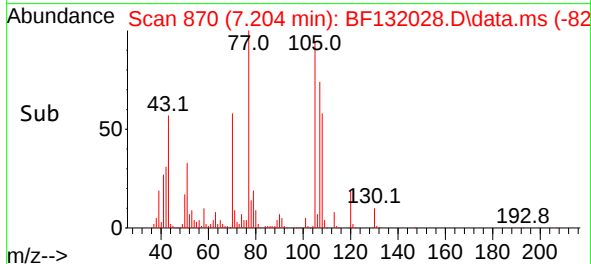
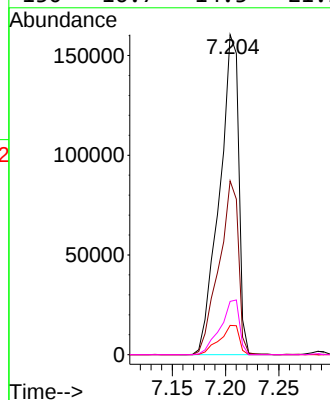
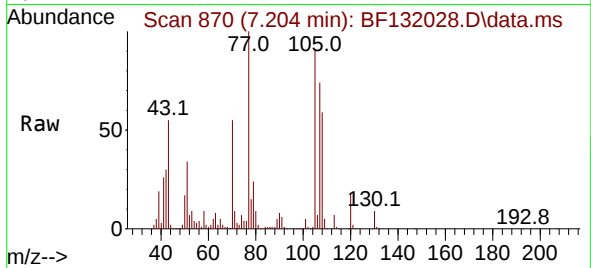




#19
n-Nitroso-di-n-propylamine
Concen: 43.228 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

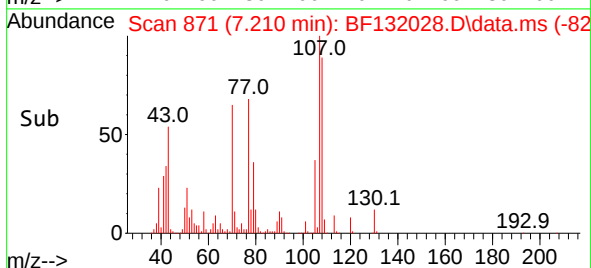
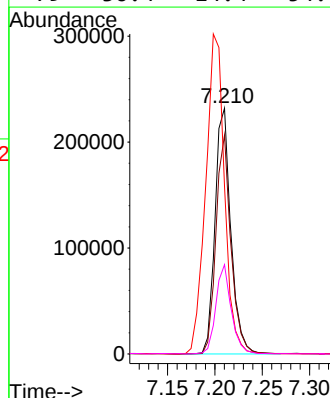
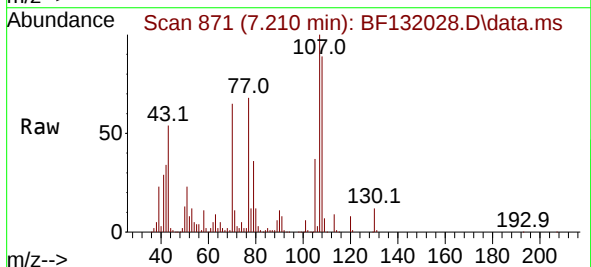
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

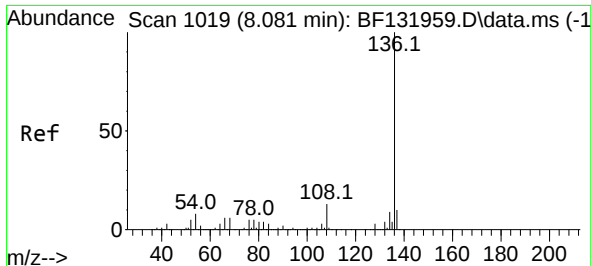
Tgt Ion: 70 Resp: 201261
Ion Ratio Lower Upper
70 100
42 54.3 44.3 66.5
101 9.1 7.5 11.3
130 16.7 14.3 21.5



#20
3+4-Methylphenols
Concen: 43.688 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion: 107 Resp: 270332
Ion Ratio Lower Upper
107 100
108 89.1 65.1 105.1
77 68.1 111.2 151.2#
79 36.4 14.4 54.4



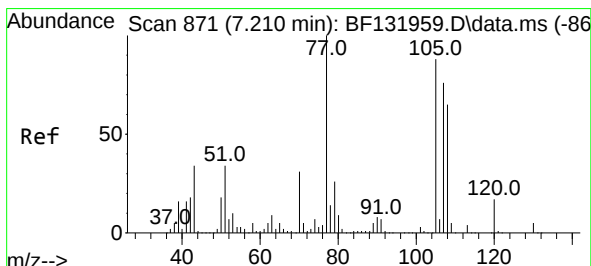
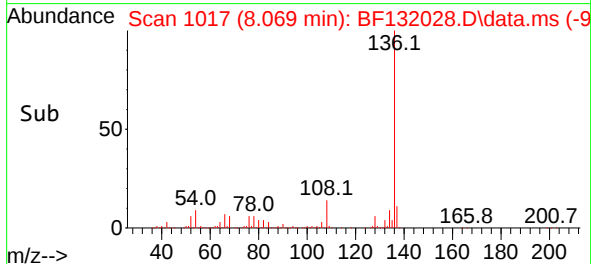
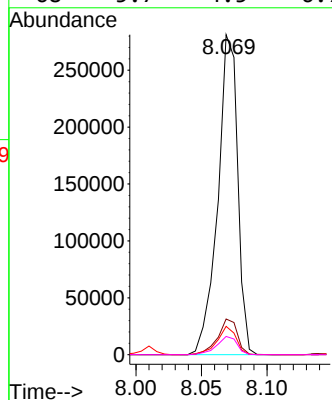
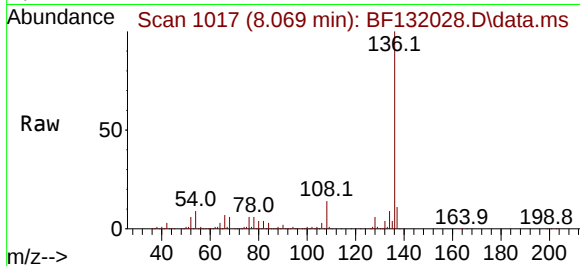


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

Tgt Ion:136 Resp: 296082

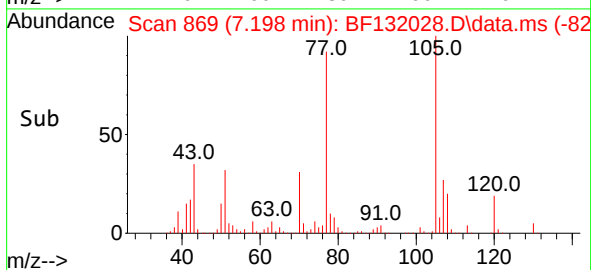
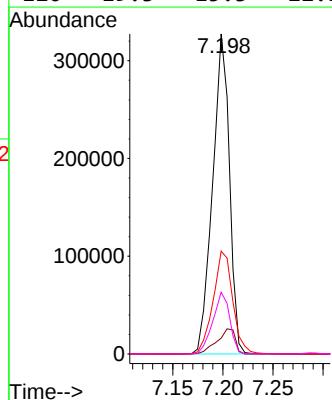
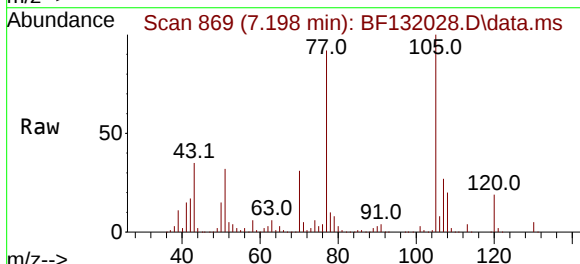
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.2
54	8.9	6.6	9.8
68	5.7	4.5	6.7

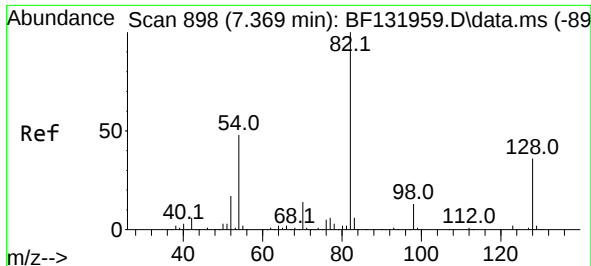


#22
Acetophenone
Concen: 44.232 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:105 Resp: 381303

Ion	Ratio	Lower	Upper
105	100		
71	5.0	4.6	7.0
51	32.1	30.6	46.0
120	19.3	15.3	22.9





#23

Nitrobenzene-d5

Concen: 69.974 ng

RT: 7.357 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

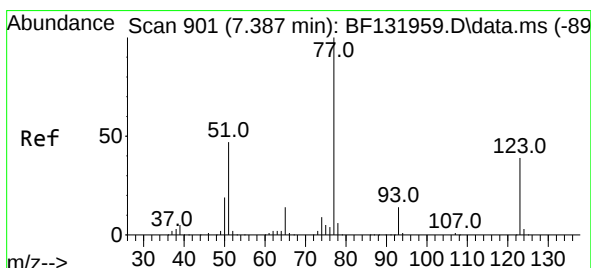
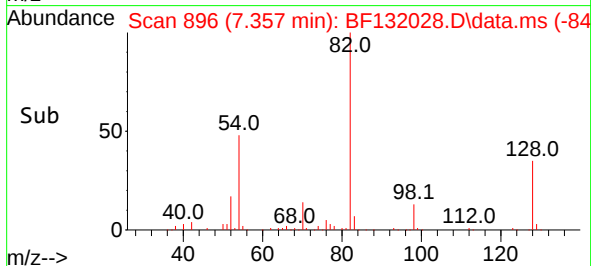
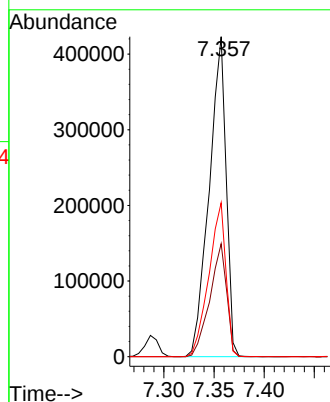
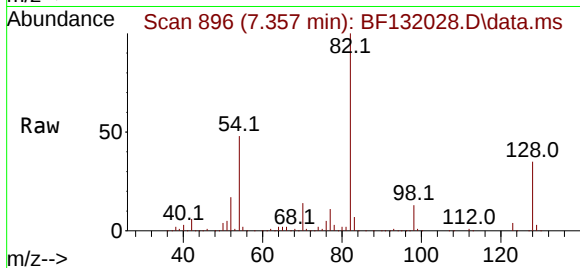
Tgt Ion: 82 Resp: 499187

Ion Ratio Lower Upper

82 100

128 35.3 28.7 43.1

54 48.1 38.1 57.1



#24

Nitrobenzene

Concen: 41.881 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

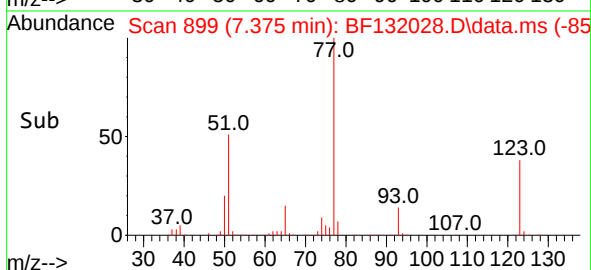
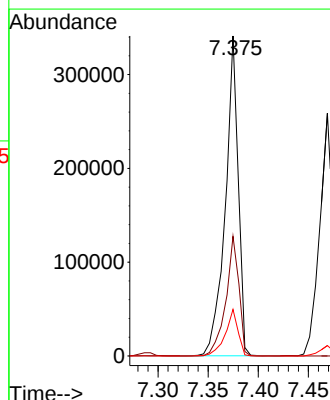
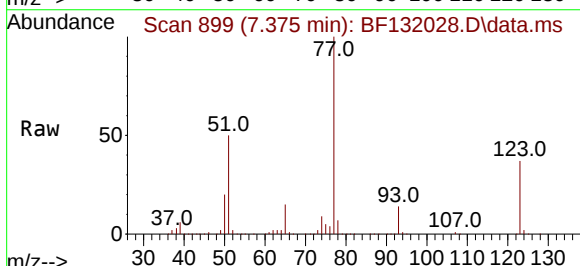
Tgt Ion: 77 Resp: 304165

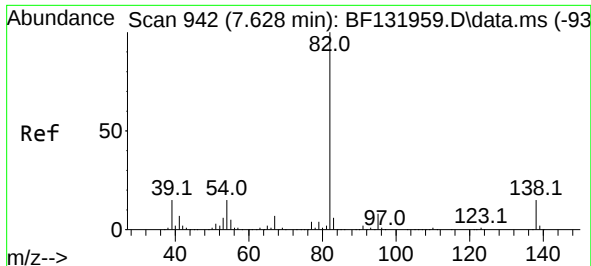
Ion Ratio Lower Upper

77 100

123 37.4 30.9 46.3

65 14.6 10.8 16.2

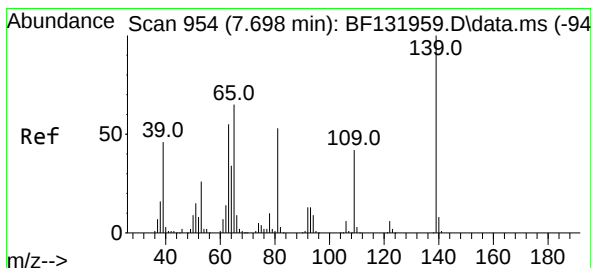
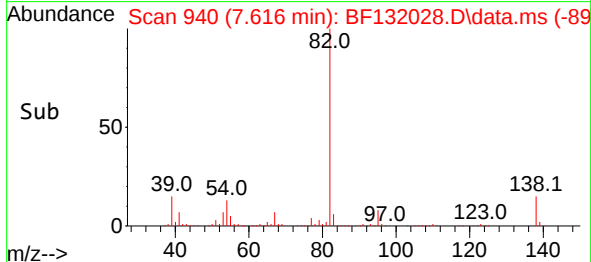
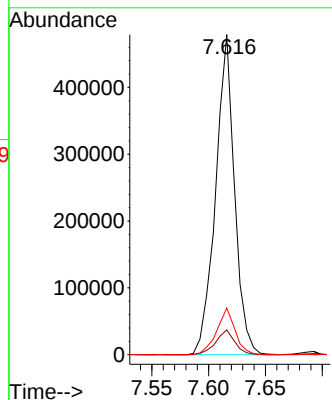
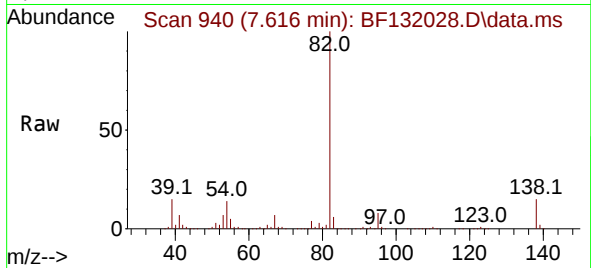




#25
Isophorone
Concen: 41.763 ng
RT: 7.616 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

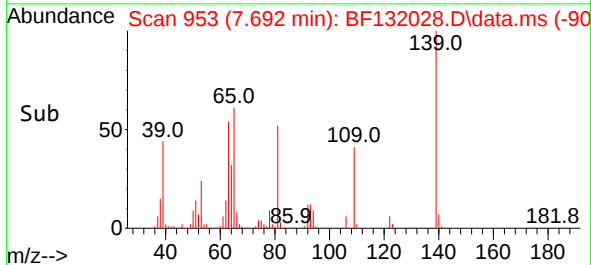
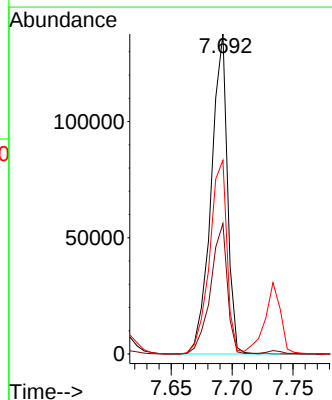
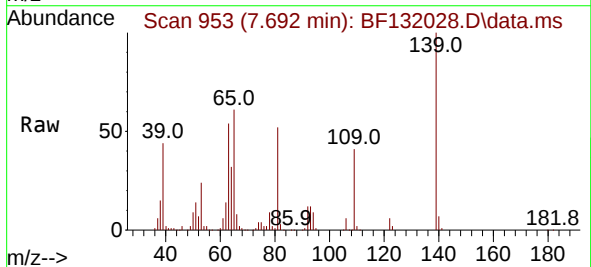
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

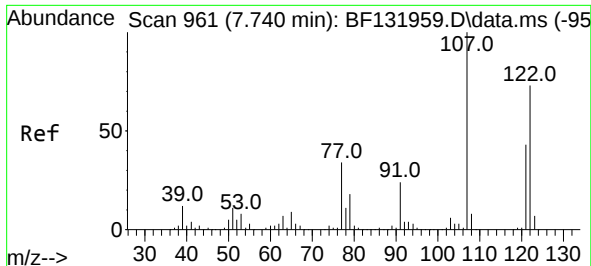
Tgt Ion: 82 Resp: 556588
Ion Ratio Lower Upper
82 100
95 7.8 6.5 9.7
138 14.6 11.9 17.9



#26
2-Nitrophenol
Concen: 44.792 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:139 Resp: 128000
Ion Ratio Lower Upper
139 100
109 40.8 33.9 50.9
65 60.6 51.6 77.4

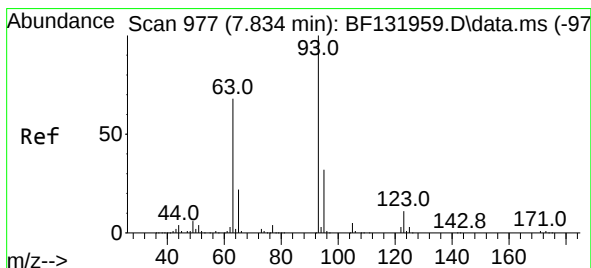
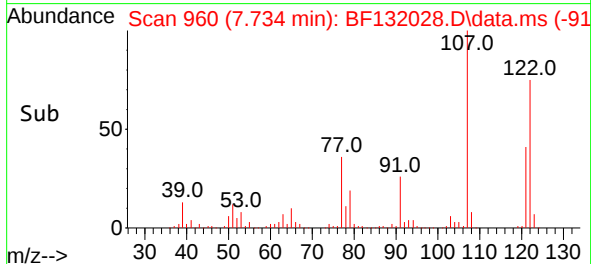
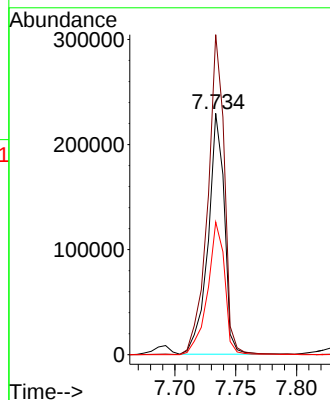
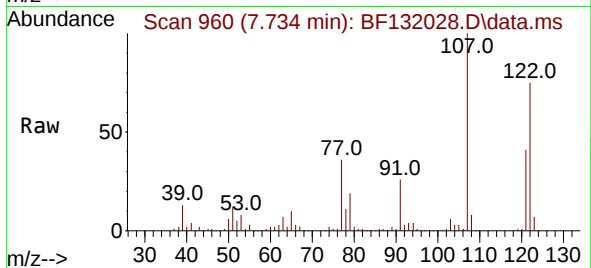




#27
2,4-Dimethylphenol
Concen: 44.393 ng
RT: 7.734 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

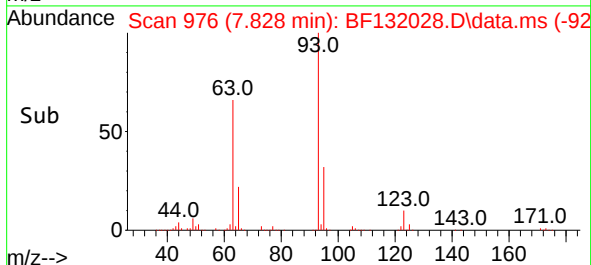
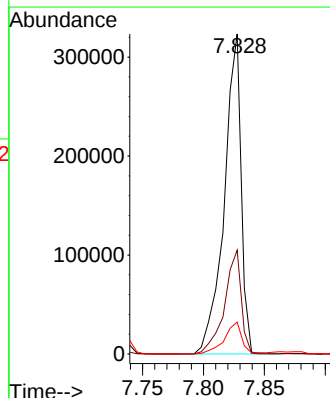
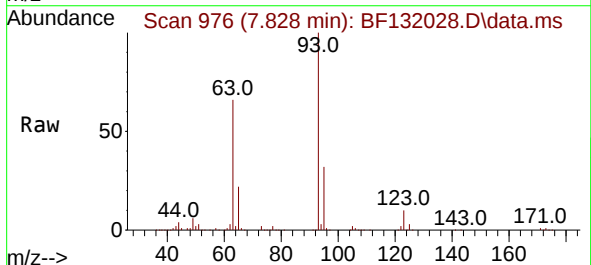
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

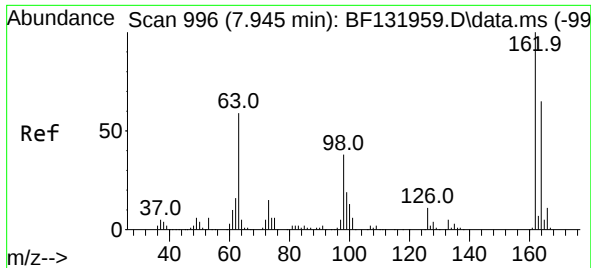
Tgt Ion:122 Resp: 211751
Ion Ratio Lower Upper
122 100
107 132.6 109.4 164.0
121 55.0 47.2 70.8



#28
bis(2-Chloroethoxy)methane
Concen: 42.437 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion: 93 Resp: 313016
Ion Ratio Lower Upper
93 100
95 32.5 25.8 38.6
123 10.0 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 43.882 ng

RT: 7.939 min Scan# 996

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

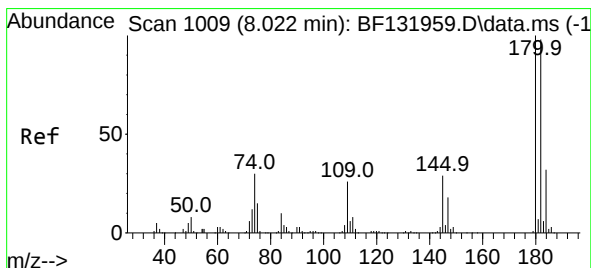
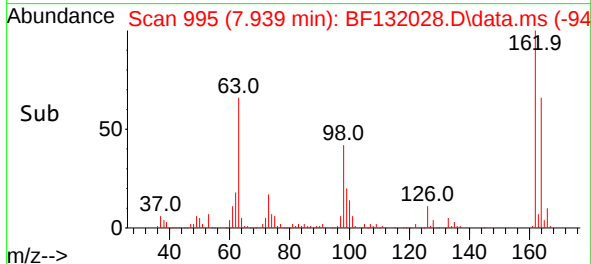
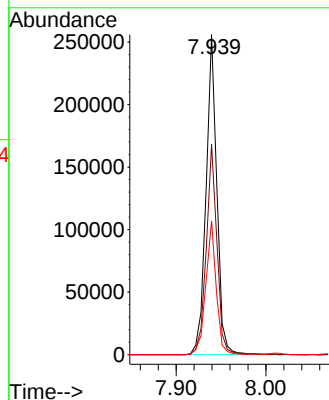
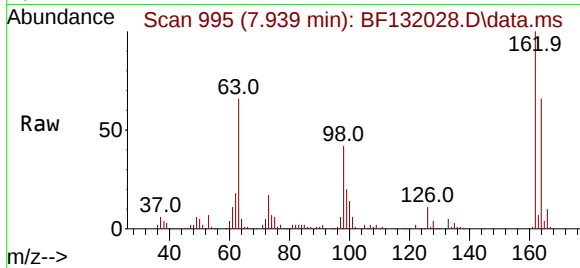
Tgt Ion:162 Resp: 214393

Ion Ratio Lower Upper

162 100

164 65.7 45.2 85.2

98 41.8 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 44.259 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

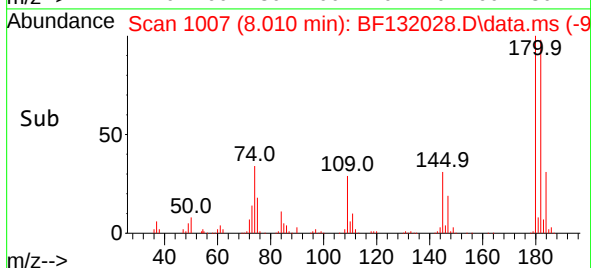
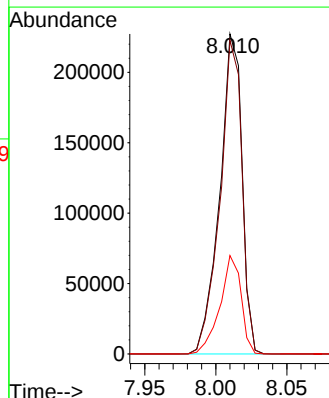
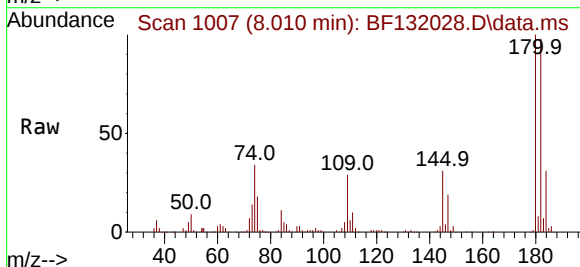
Tgt Ion:180 Resp: 247650

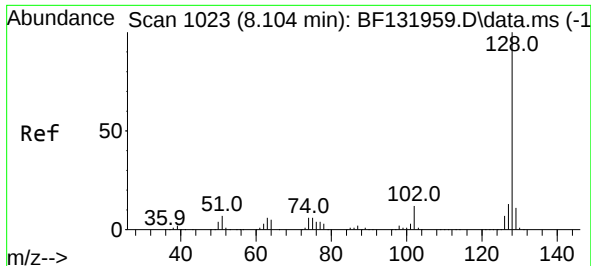
Ion Ratio Lower Upper

180 100

182 98.0 78.4 117.6

145 30.8 23.2 34.8

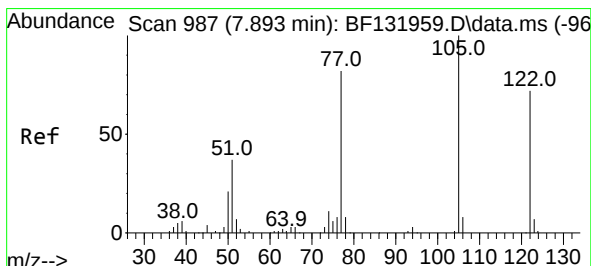
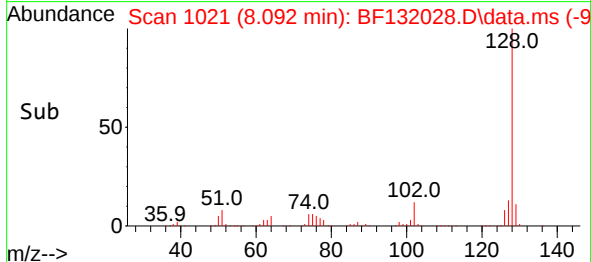
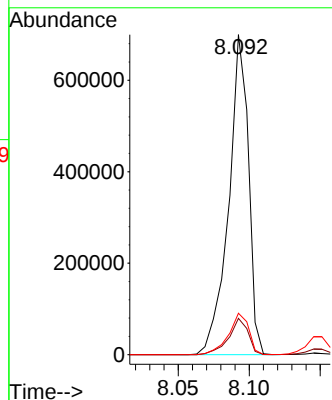
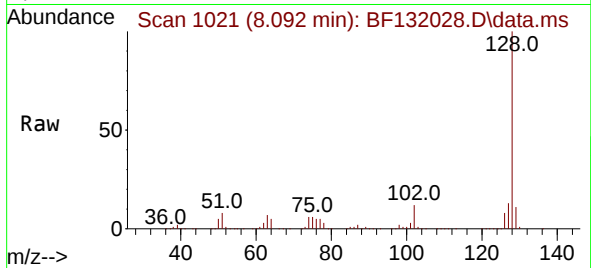




#31
Naphthalene
Concen: 43.275 ng
RT: 8.092 min Scan# 1023
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

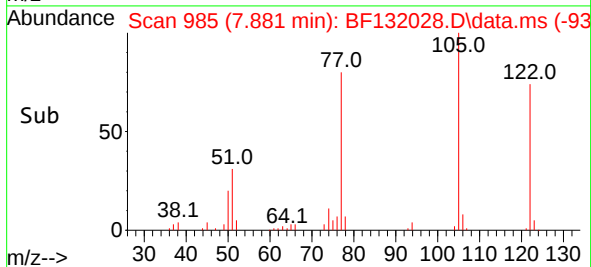
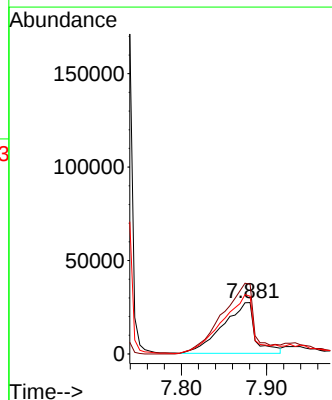
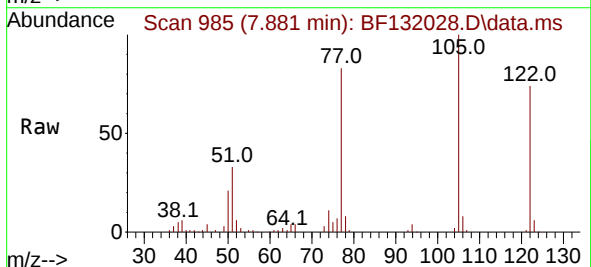
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

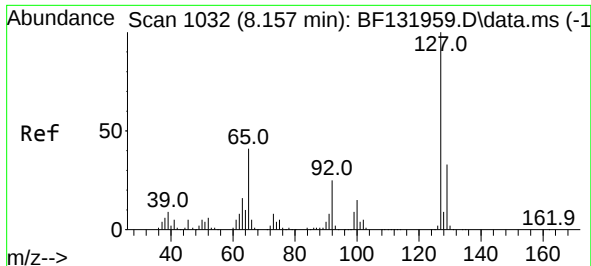
Tgt Ion:128 Resp: 677137
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 12.9 10.5 15.7



#32
Benzoic acid
Concen: 26.017 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:122 Resp: 71946
Ion Ratio Lower Upper
122 100
105 135.9 116.3 156.3
77 112.4 92.7 132.7

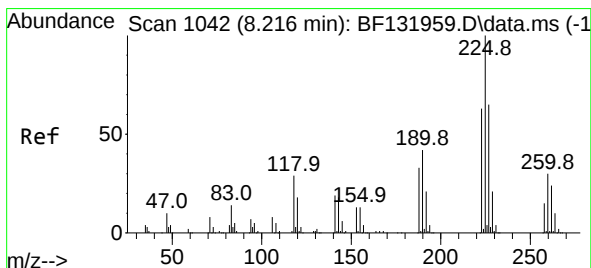
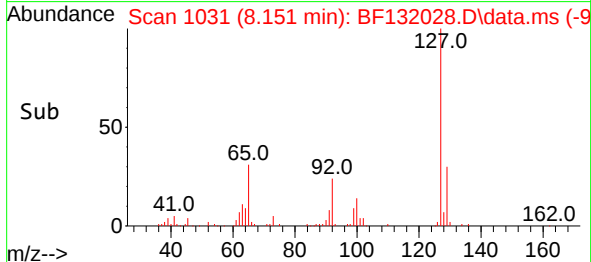
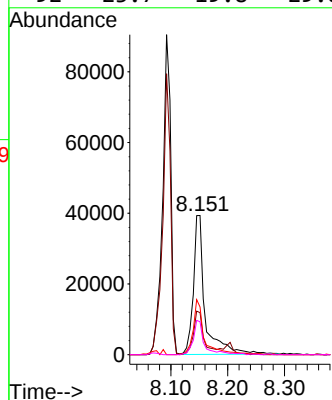
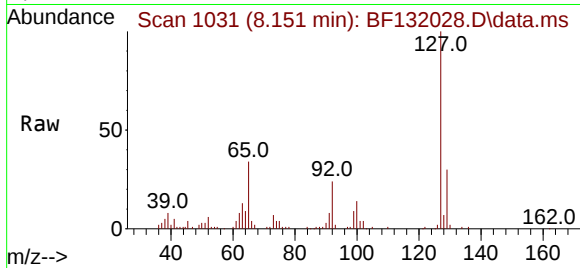




#33
4-Chloroaniline
Concen: 8.799 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

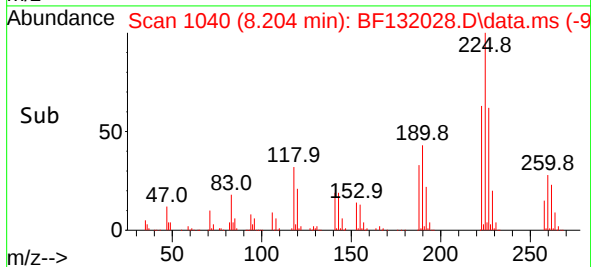
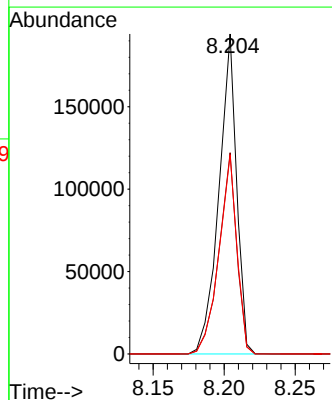
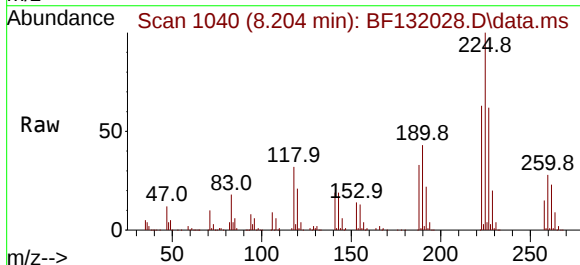
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

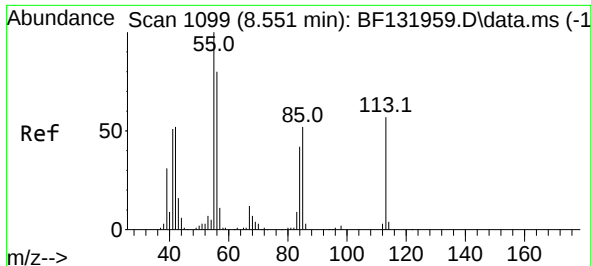
Tgt Ion:	127	Resp:	56816
Ion Ratio	Lower	Upper	
127	100		
129	30.2	26.5	39.7
65	34.3	33.1	49.7
92	23.7	19.8	29.8



#34
Hexachlorobutadiene
Concen: 43.342 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:	225	Resp:	168141
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.6	75.8
227	62.3	51.6	77.4

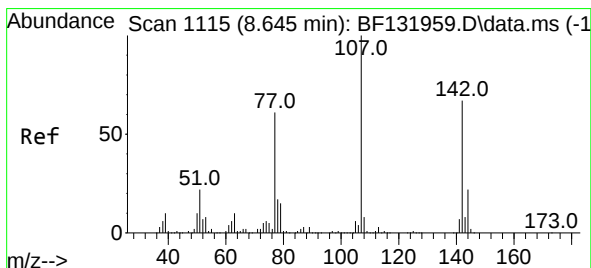
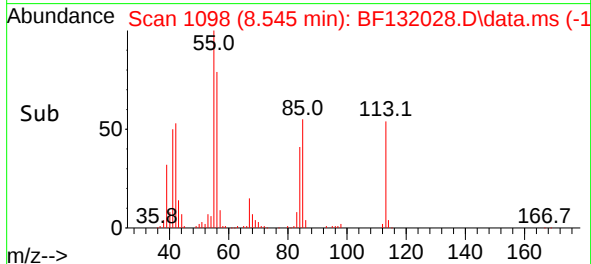
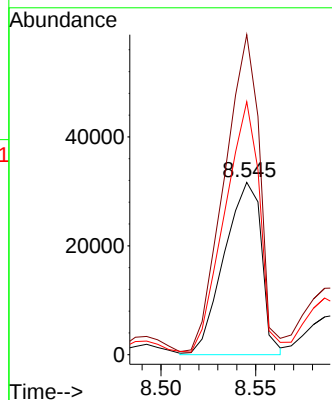
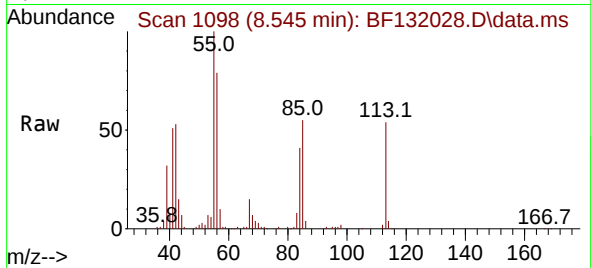




#35
 Caprolactam
 Concen: 30.261 ng
 RT: 8.545 min Scan# 1099
 Delta R.T. -0.006 min
 Lab File: BF132028.D
 Acq: 11 Jan 2023 17:56

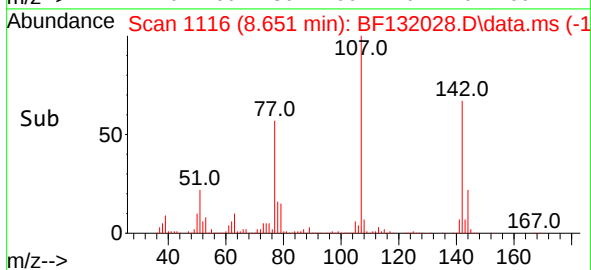
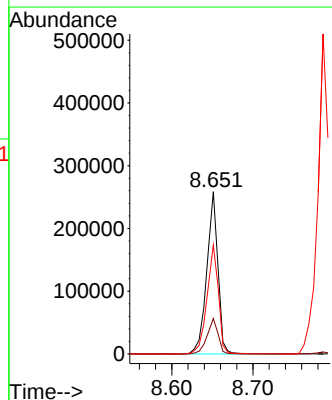
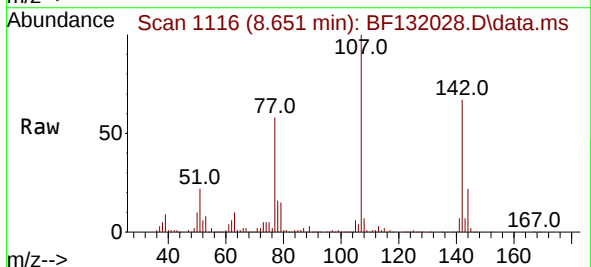
Instrument :
 BNA_F
 ClientSampleId :
 H-5-MIDDLE(4-8)MSD

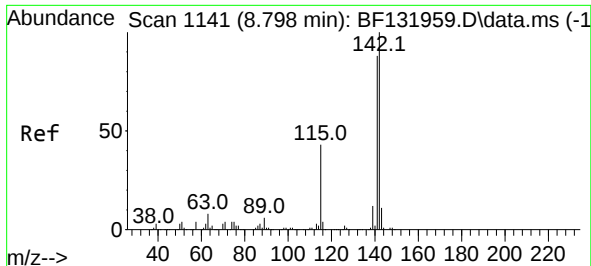
Tgt Ion:113 Resp: 43423
 Ion Ratio Lower Upper
 113 100
 55 185.6 154.4 194.4
 56 146.8 119.6 159.6



#36
 4-Chloro-3-methylphenol
 Concen: 42.954 ng
 RT: 8.651 min Scan# 1116
 Delta R.T. 0.006 min
 Lab File: BF132028.D
 Acq: 11 Jan 2023 17:56

Tgt Ion:107 Resp: 246308
 Ion Ratio Lower Upper
 107 100
 144 21.9 17.4 26.2
 142 67.1 53.7 80.5





#37

2-Methylnaphthalene

Concen: 41.327 ng

RT: 8.786 min Scan# 1139

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

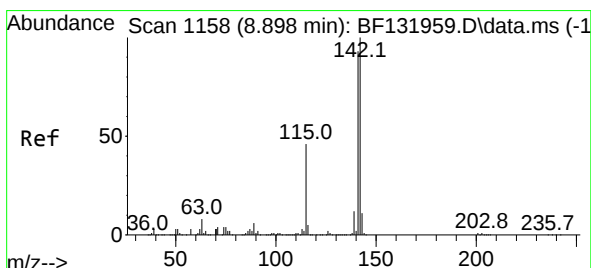
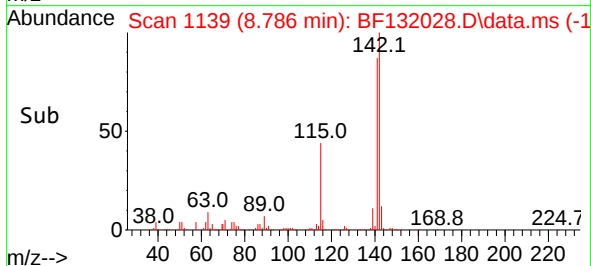
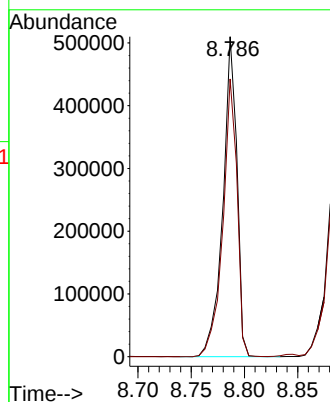
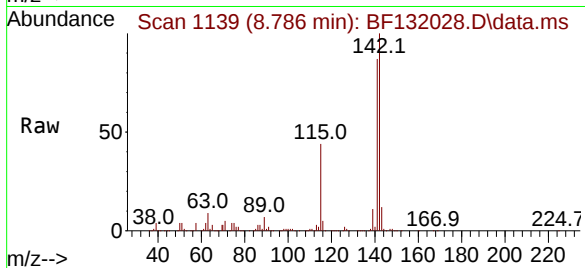
H-5-MIDDLE(4-8)MSD

Tgt Ion:142 Resp: 464434

Ion Ratio Lower Upper

142 100

141 86.8 70.6 106.0



#38

1-Methylnaphthalene

Concen: 40.870 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BF132028.D

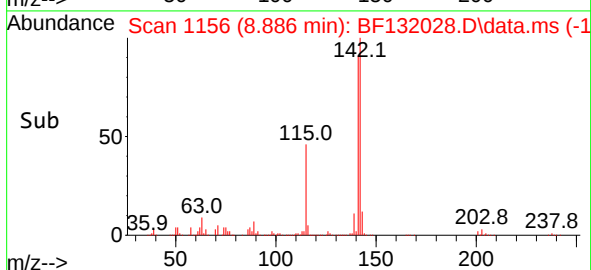
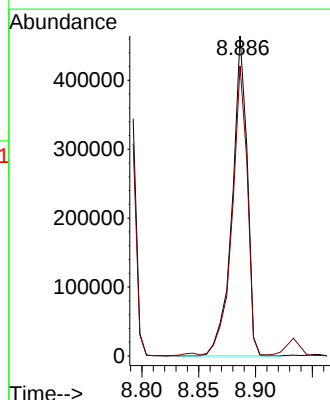
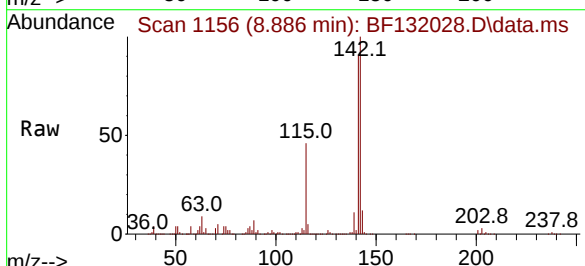
Acq: 11 Jan 2023 17:56

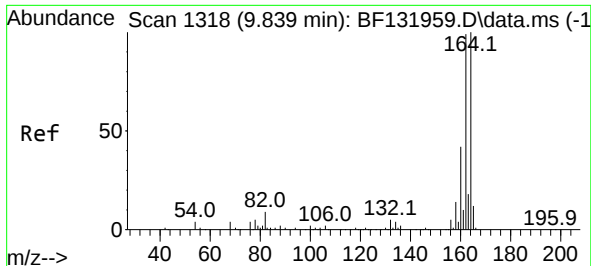
Tgt Ion:142 Resp: 425527

Ion Ratio Lower Upper

142 100

141 90.6 74.3 111.5

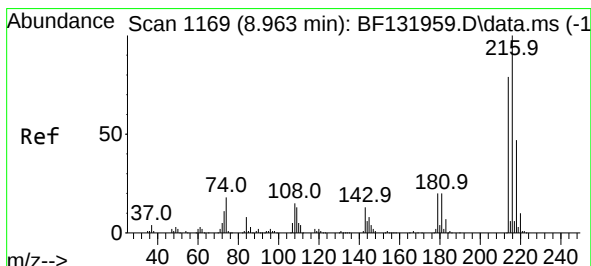
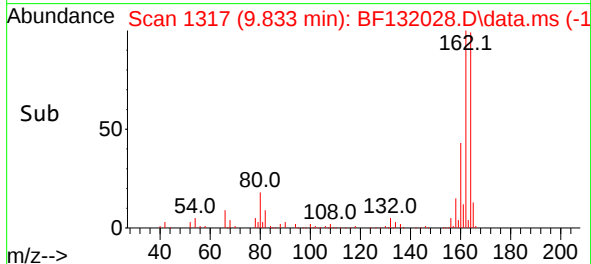
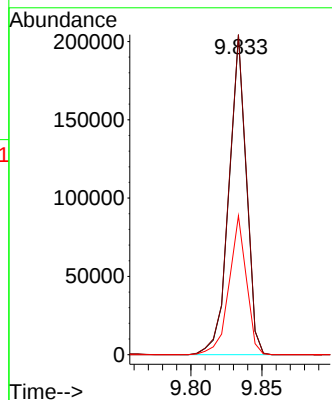
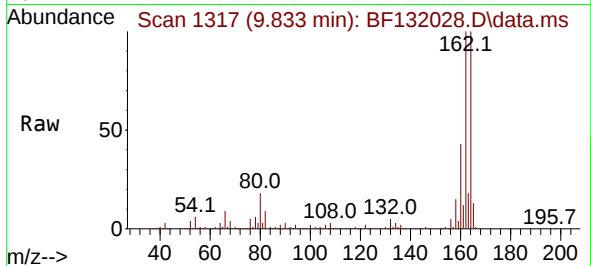




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

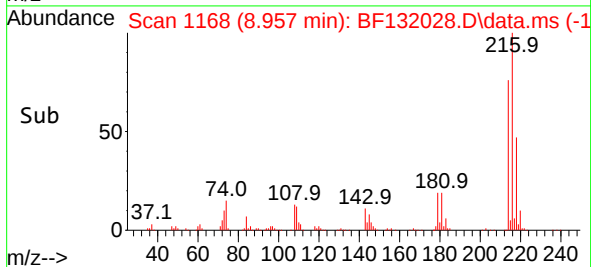
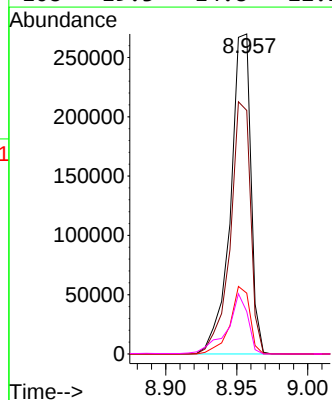
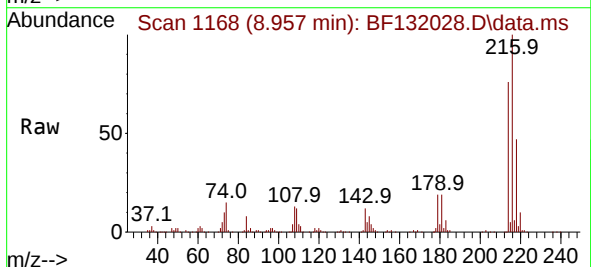
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

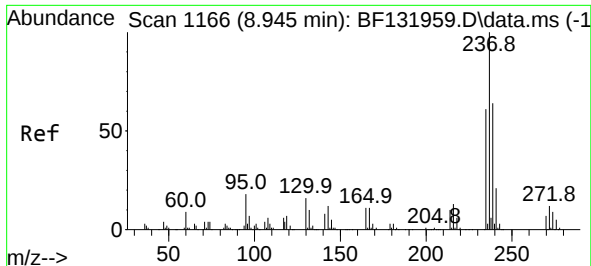
Tgt Ion:164 Resp: 173588
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 43.4 33.9 50.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.975 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:216 Resp: 268990
Ion Ratio Lower Upper
216 100
214 78.1 63.9 95.9
179 20.4 16.4 24.6
108 19.3 14.8 22.2

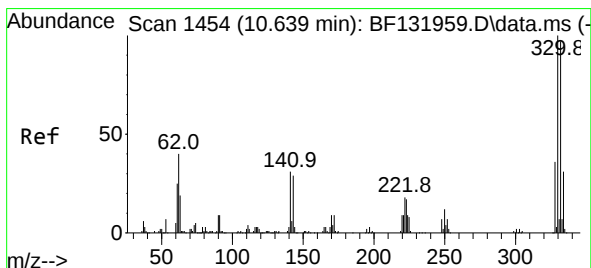
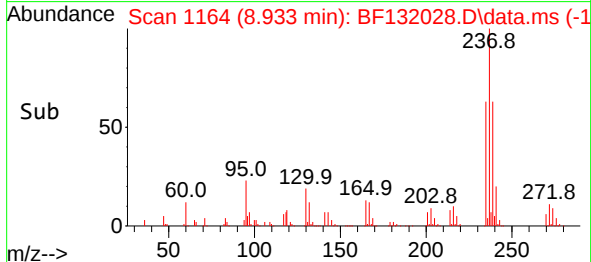
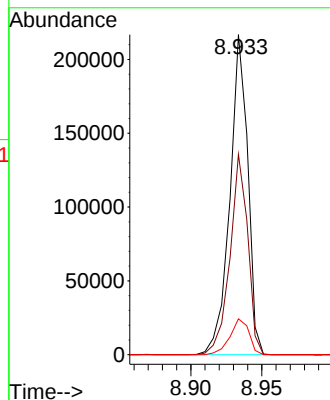
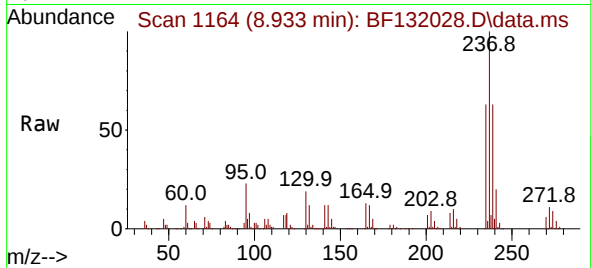




#41
Hexachlorocyclopentadiene
Concen: 64.300 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

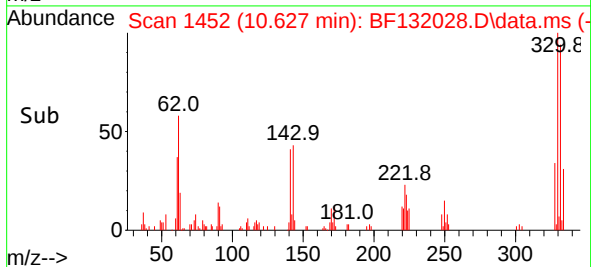
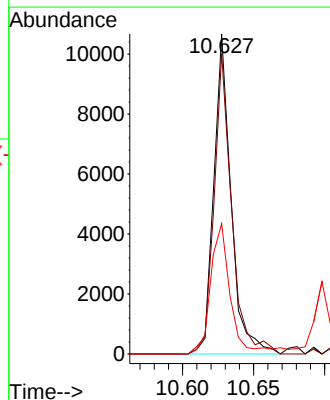
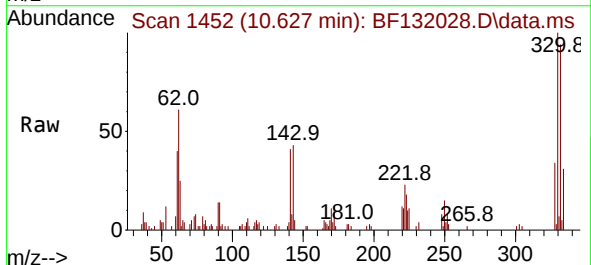
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

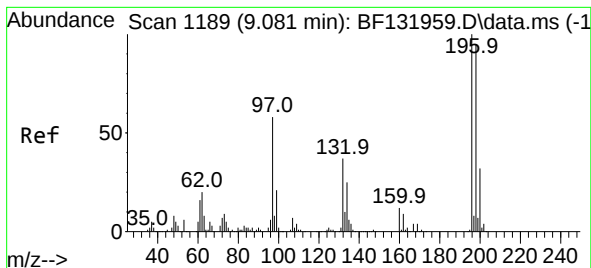
Tgt Ion:237 Resp: 190155
Ion Ratio Lower Upper
237 100
235 62.6 41.2 81.2
272 11.2 0.0 31.7



#42
2,4,6-Tribromophenol
Concen: 4.508 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:330 Resp: 8997
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 0.0 31.3 46.9#





#43

2,4,6-Trichlorophenol

Concen: 42.788 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

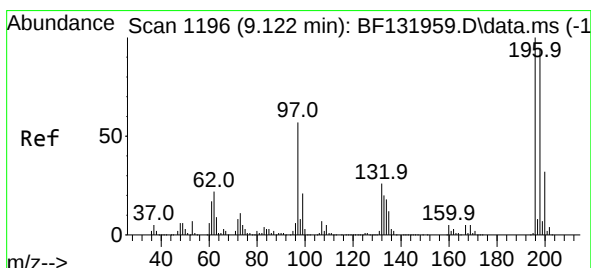
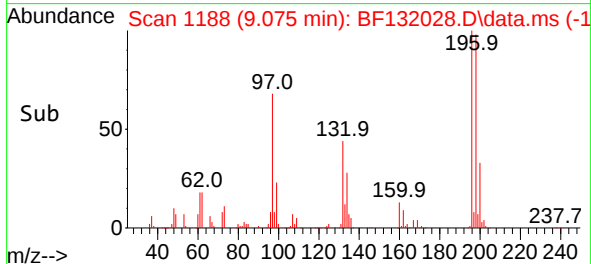
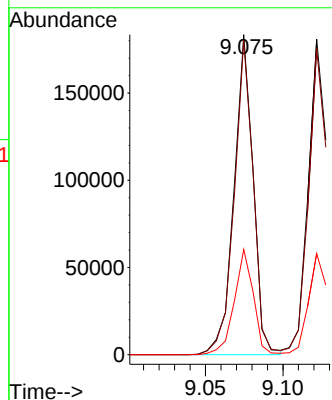
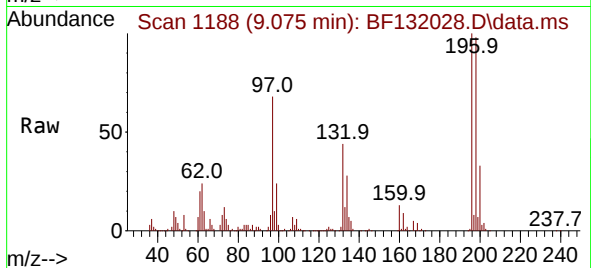
Tgt Ion:196 Resp: 157541

Ion Ratio Lower Upper

196 100

198 98.3 76.3 114.5

200 32.9 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 38.705 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Tgt Ion:196 Resp: 165906

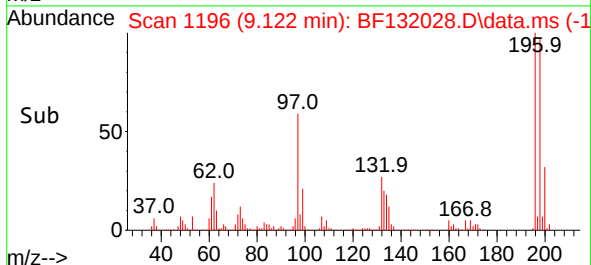
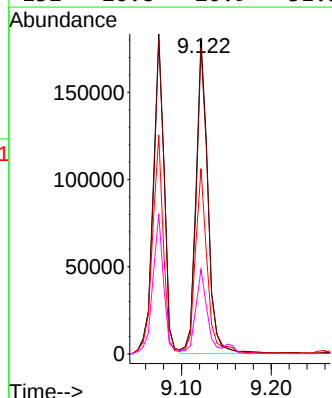
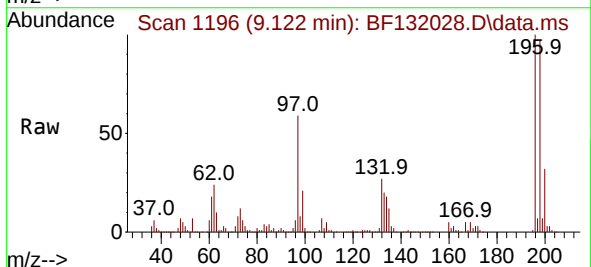
Ion Ratio Lower Upper

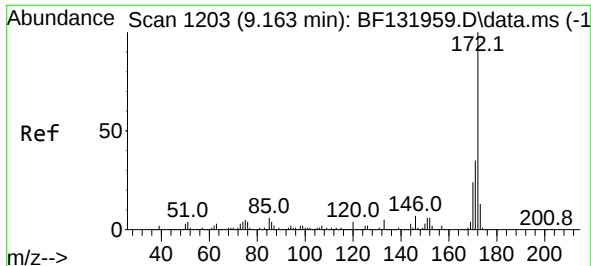
196 100

198 97.1 75.3 112.9

97 58.8 45.6 68.4

132 26.8 20.9 31.3





#45

2-Fluorobiphenyl

Concen: 71.145 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

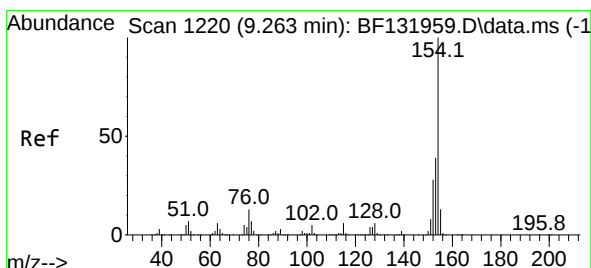
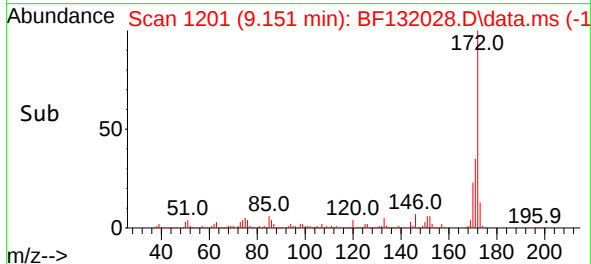
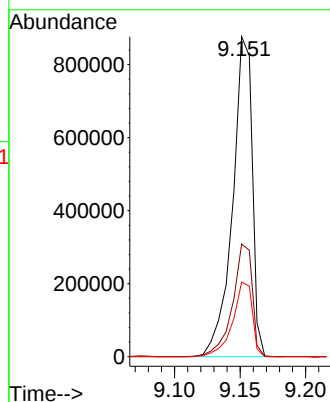
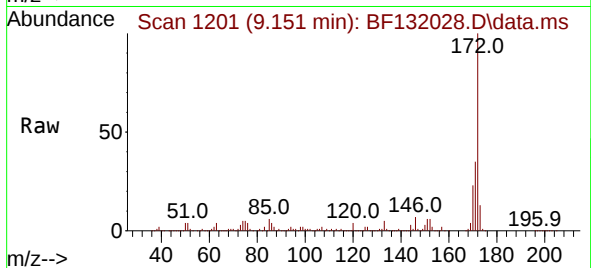
Tgt Ion:172 Resp: 914837

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.3 18.9 28.3



#46

1,1'-Biphenyl

Concen: 44.467 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

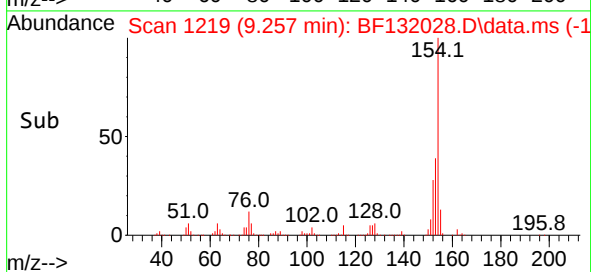
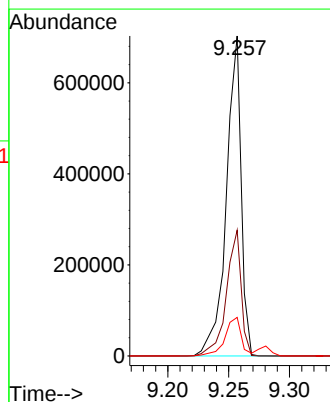
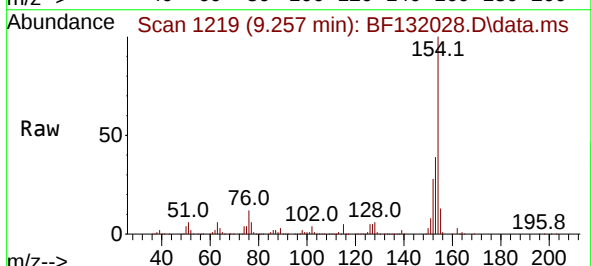
Tgt Ion:154 Resp: 595780

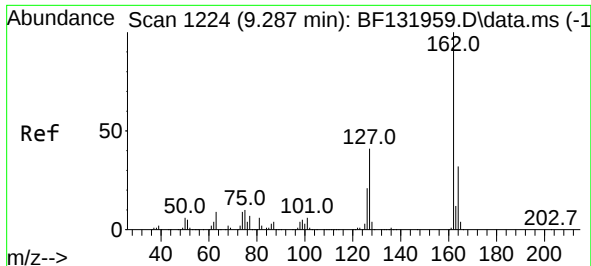
Ion Ratio Lower Upper

154 100

153 39.3 18.9 58.9

76 12.1 0.0 33.2





#47

2-Chloronaphthalene

Concen: 44.805 ng

RT: 9.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

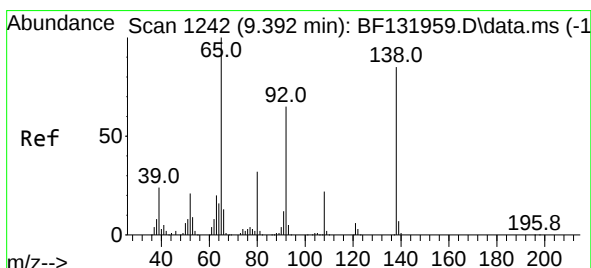
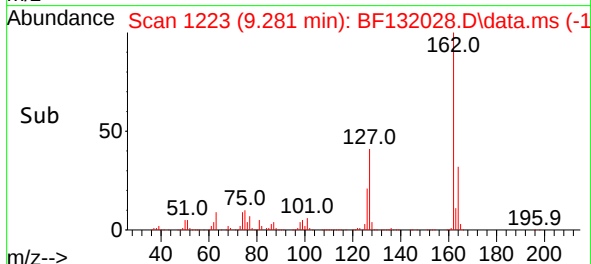
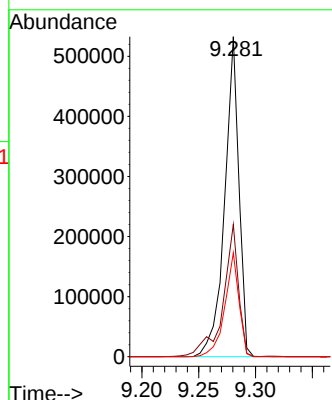
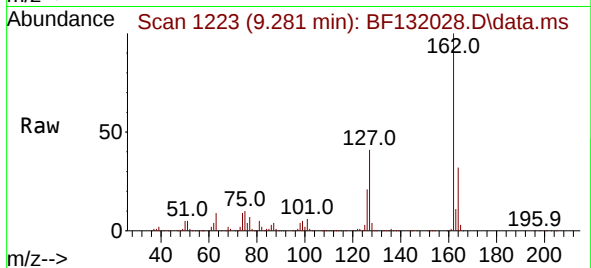
Tgt Ion:162 Resp: 465919

Ion Ratio Lower Upper

162 100

127 41.3 33.0 49.4

164 32.5 25.8 38.8



#48

2-Nitroaniline

Concen: 41.029 ng

RT: 9.386 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

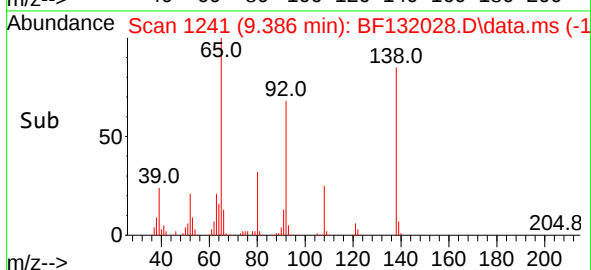
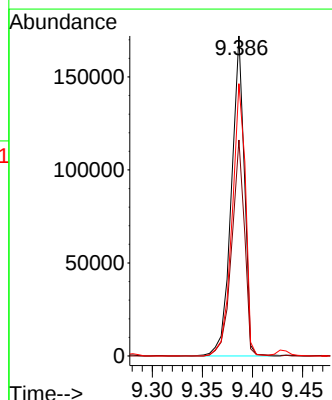
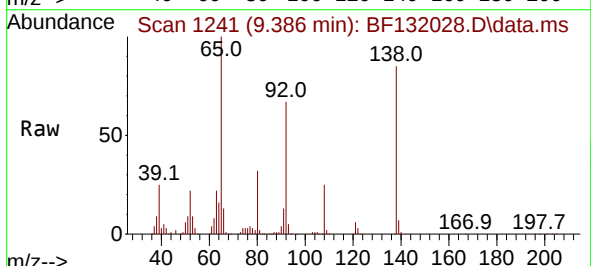
Tgt Ion: 65 Resp: 154966

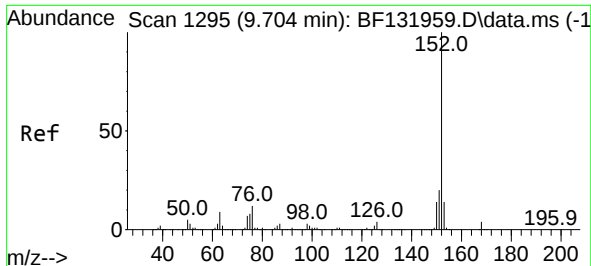
Ion Ratio Lower Upper

65 100

92 67.5 52.2 78.2

138 85.1 67.8 101.8

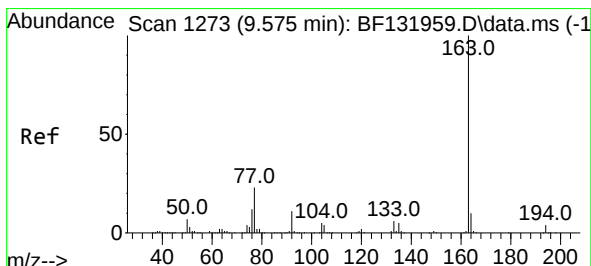
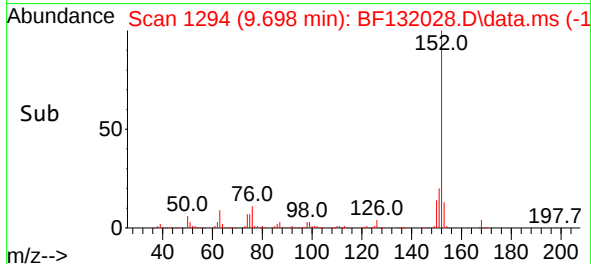
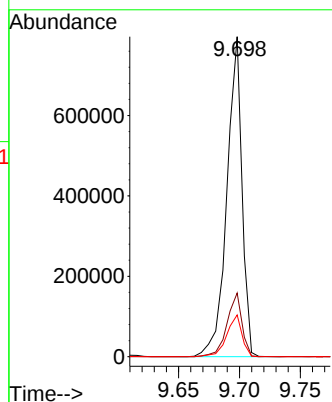
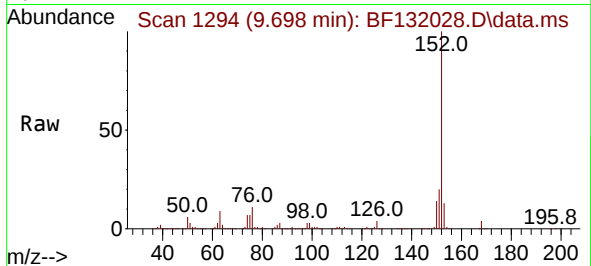




#49
Acenaphthylene
Concen: 42.728 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

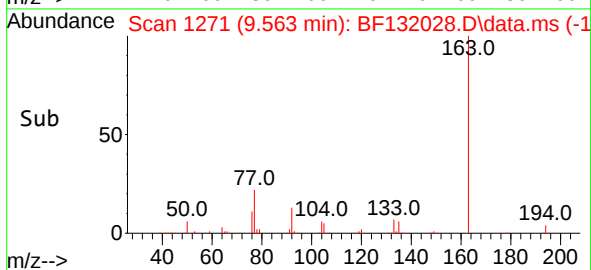
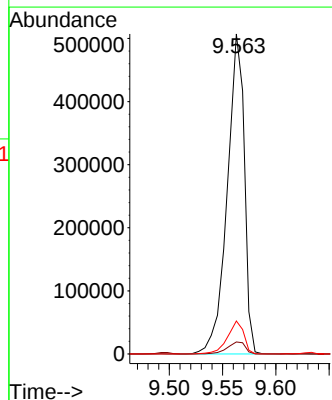
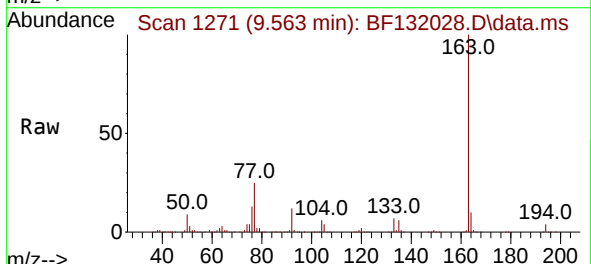
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

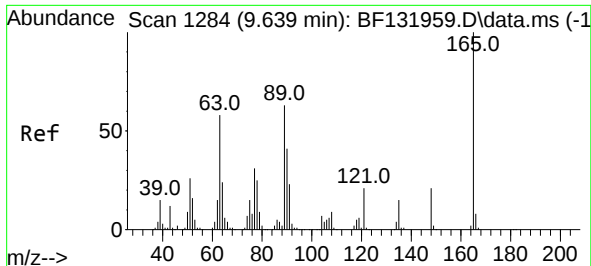
Tgt Ion:152 Resp: 689506
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.0 10.8 16.2



#50
Dimethylphthalate
Concen: 41.871 ng
RT: 9.563 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:163 Resp: 566558
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.3 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 42.566 ng

RT: 9.633 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

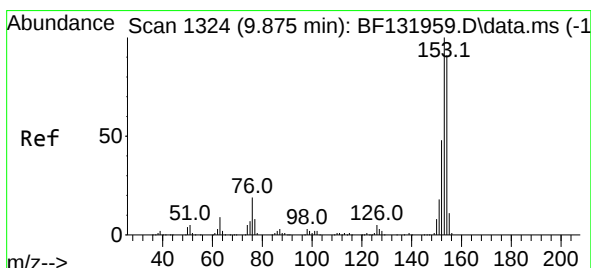
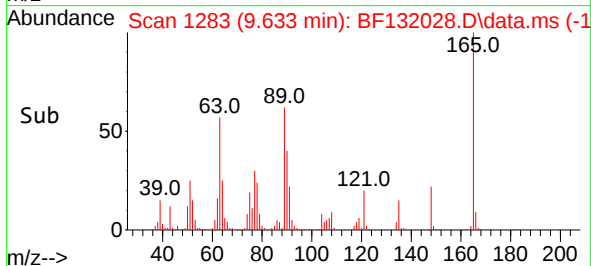
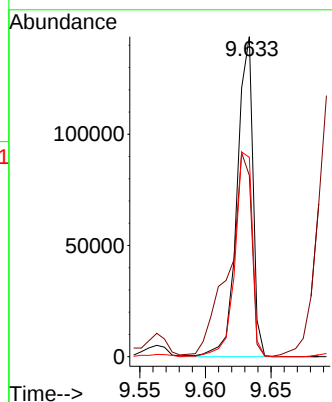
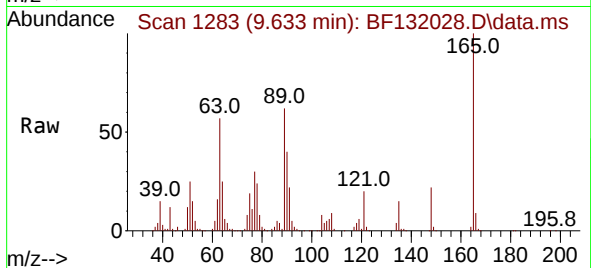
Tgt Ion:165 Resp: 121137

Ion Ratio Lower Upper

165 100

63 56.7 47.4 71.0

89 62.3 50.2 75.2



#52

Acenaphthene

Concen: 42.192 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

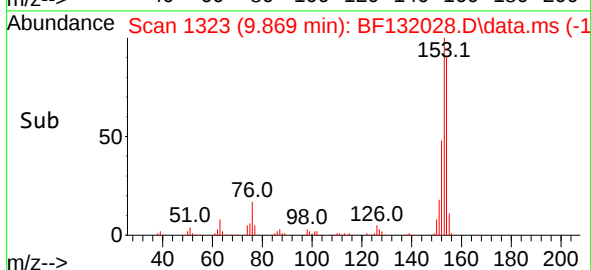
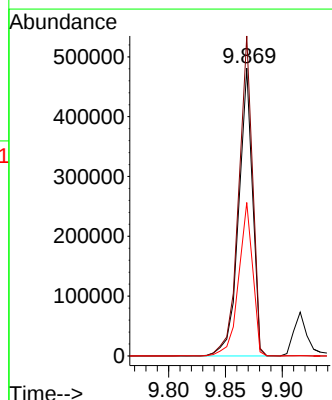
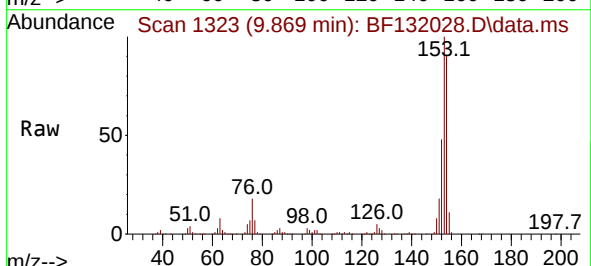
Tgt Ion:154 Resp: 408689

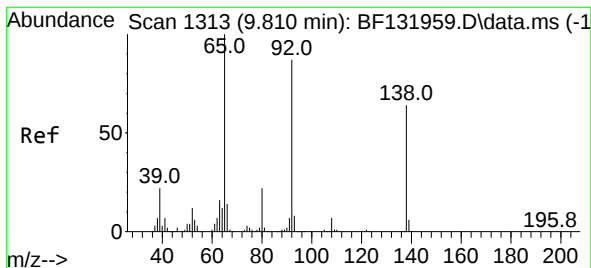
Ion Ratio Lower Upper

154 100

153 111.1 87.7 131.5

152 53.3 42.2 63.2





#53

3-Nitroaniline

Concen: 16.579 ng

RT: 9.798 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

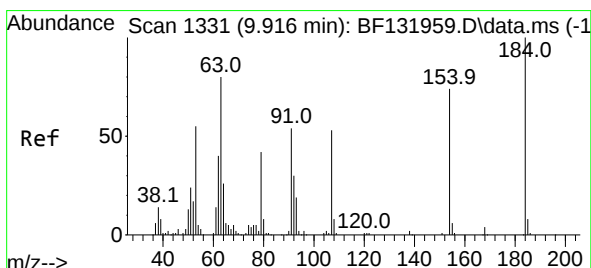
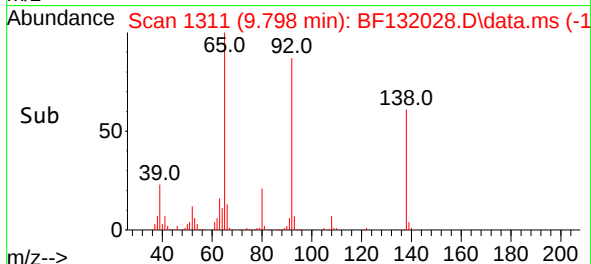
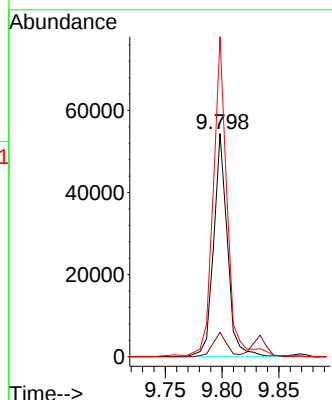
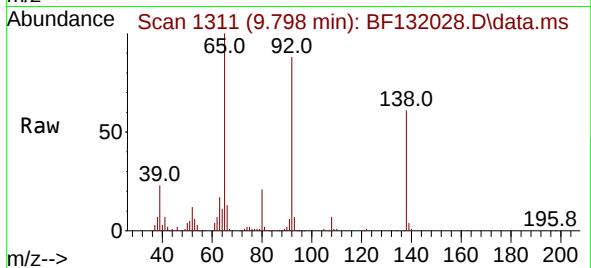
Tgt Ion:138 Resp: 45775

Ion Ratio Lower Upper

138 100

108 10.9 8.8 13.2

92 143.5 108.1 162.1



#54

2,4-Dinitrophenol

Concen: 61.066 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.000 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

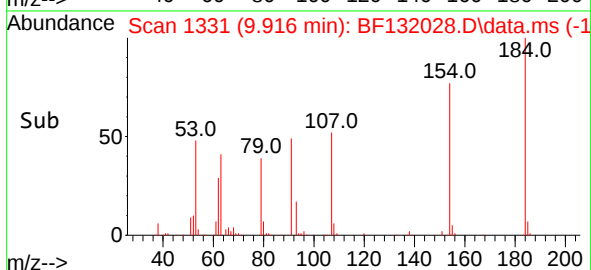
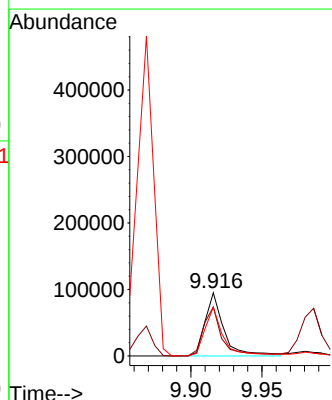
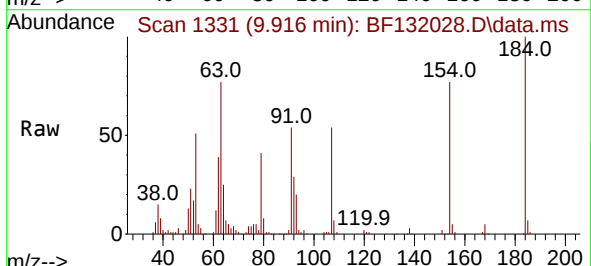
Tgt Ion:184 Resp: 87257

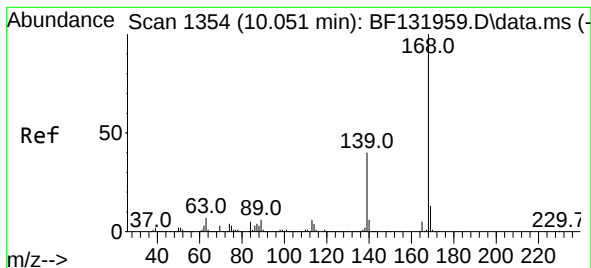
Ion Ratio Lower Upper

184 100

63 77.4 63.7 95.5

154 77.2 60.1 90.1





#55

Dibenzenofuran

Concen: 41.707 ng

RT: 10.045 min Scan# 1353

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

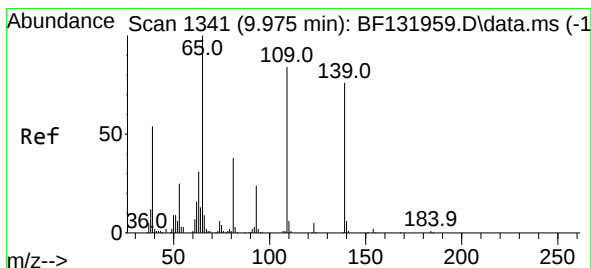
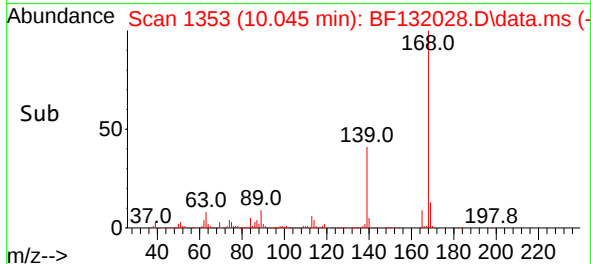
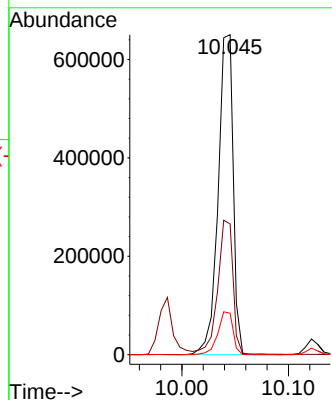
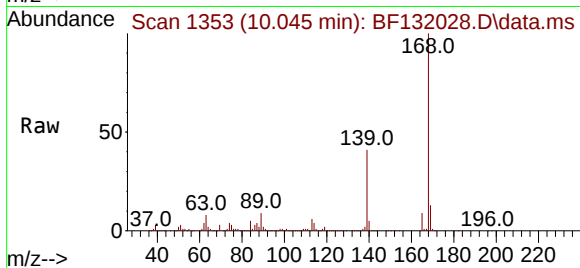
Tgt Ion:168 Resp: 636814

Ion Ratio Lower Upper

168 100

139 40.9 32.4 48.6

169 12.9 10.7 16.1



#56

4-Nitrophenol

Concen: 69.533 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.012 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

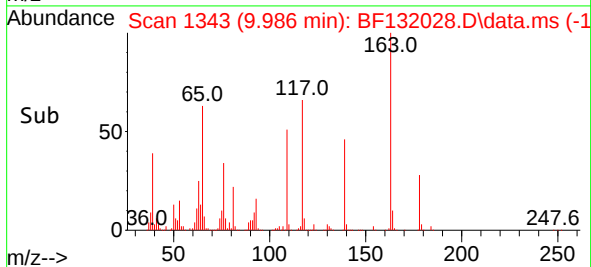
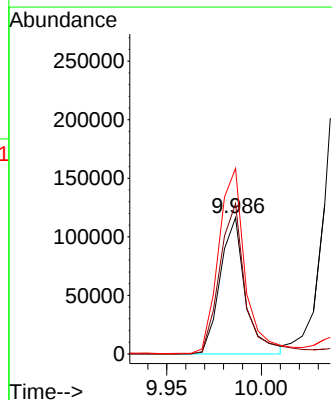
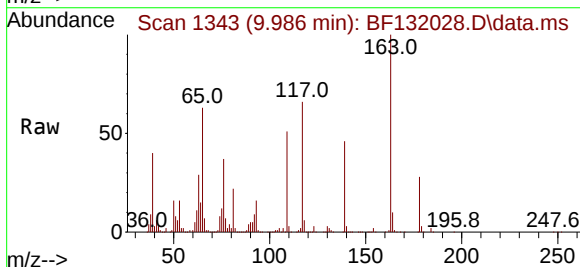
Tgt Ion:139 Resp: 108137

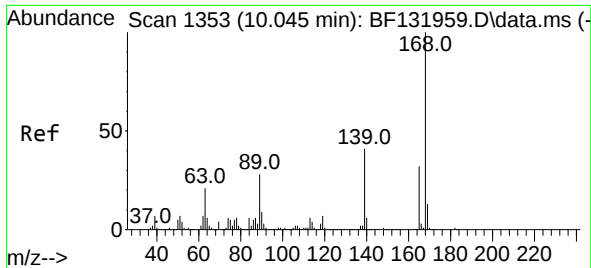
Ion Ratio Lower Upper

139 100

109 110.4 90.5 130.5

65 136.2 112.6 152.6

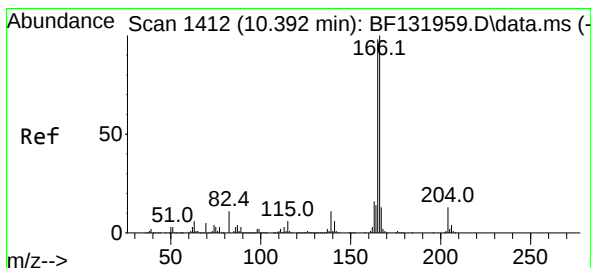
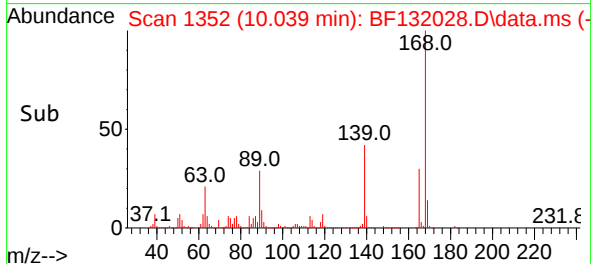
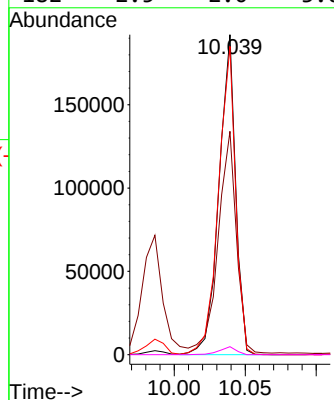
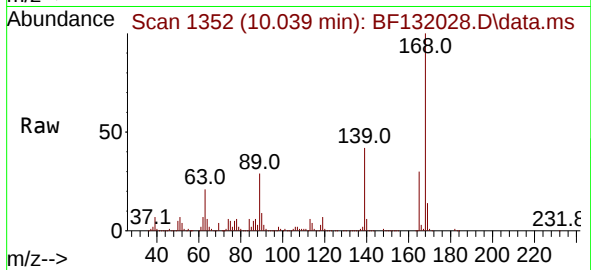




#57
2,4-Dinitrotoluene
Concen: 41.084 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

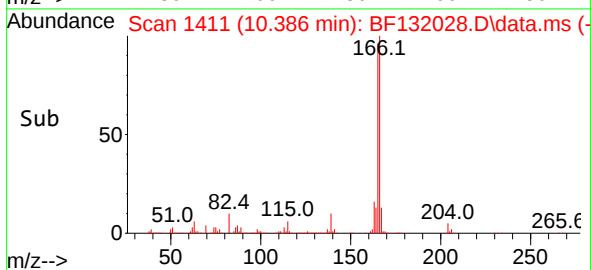
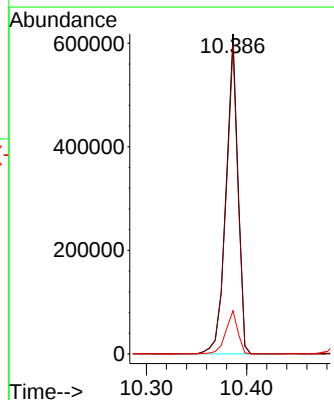
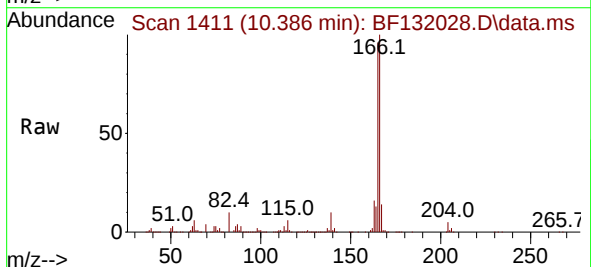
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

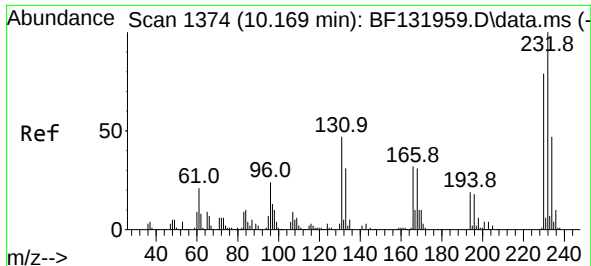
Tgt Ion:165 Resp: 156320
Ion Ratio Lower Upper
165 100
63 69.8 53.2 79.8
89 96.3 71.2 106.8
182 2.5 2.0 3.0



#58
Fluorene
Concen: 41.725 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:166 Resp: 508928
Ion Ratio Lower Upper
166 100
165 96.5 78.3 117.5
167 13.5 10.7 16.1

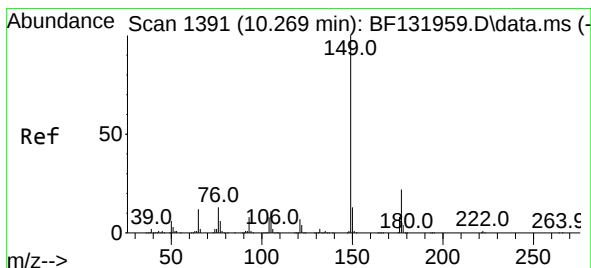
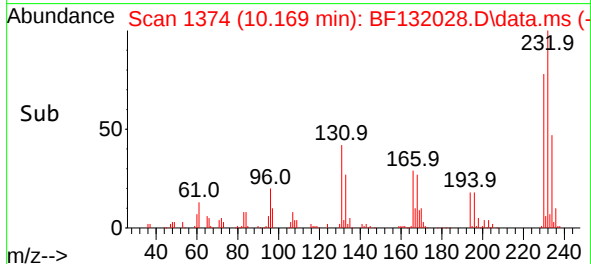
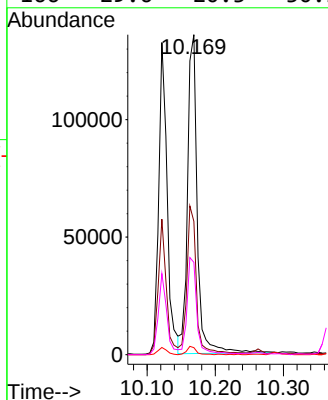
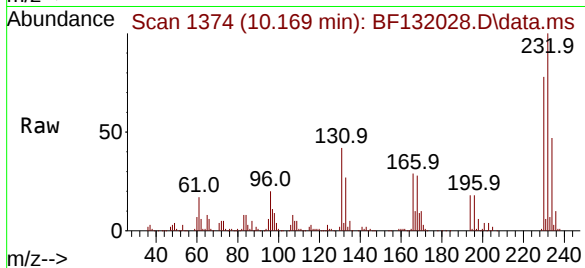




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.002 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

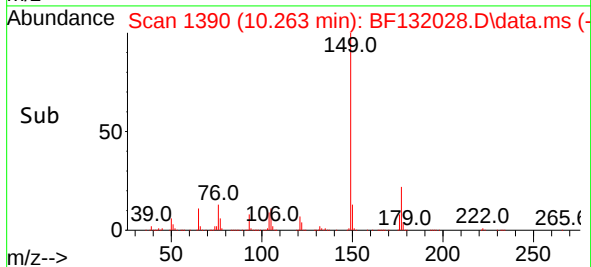
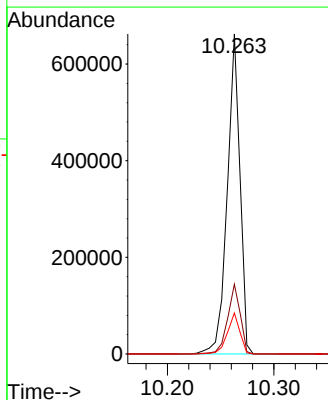
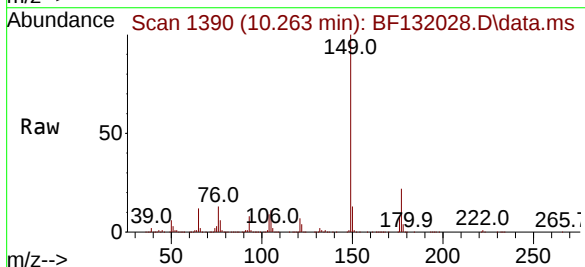
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

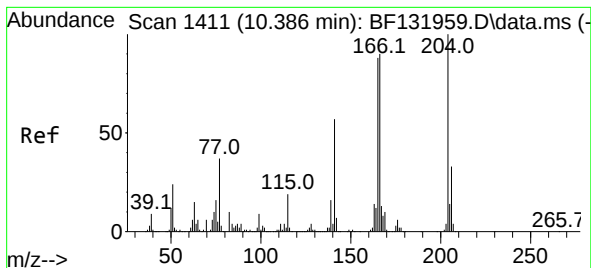
Tgt Ion:232 Resp: 134150
Ion Ratio Lower Upper
232 100
131 44.2 33.0 49.4
130 2.5 1.8 2.8
166 29.6 20.3 30.5



#60
Diethylphthalate
Concen: 41.167 ng
RT: 10.263 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:149 Resp: 547738
Ion Ratio Lower Upper
149 100
177 21.8 17.7 26.5
150 12.8 10.2 15.2

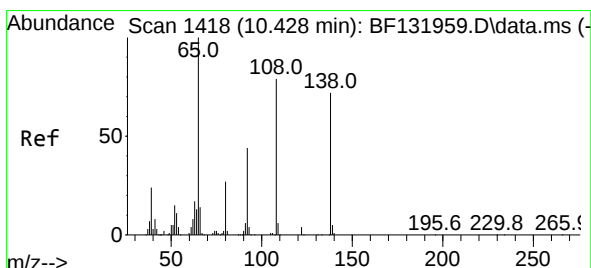
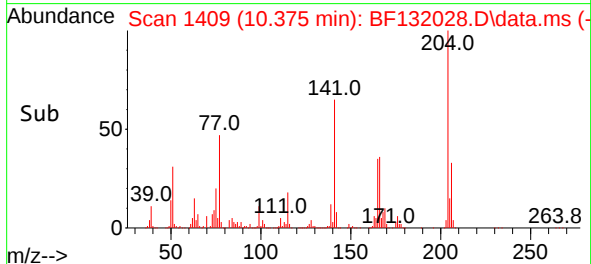
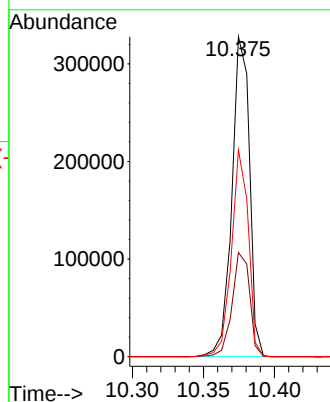
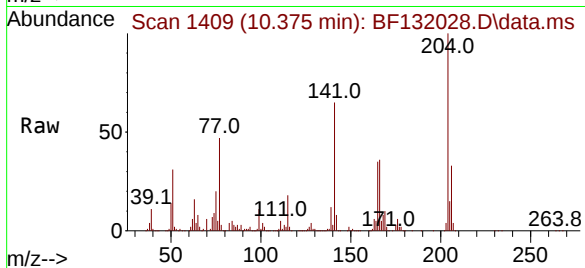




#61
4-Chlorophenyl-phenylether
Concen: 40.581 ng
RT: 10.375 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

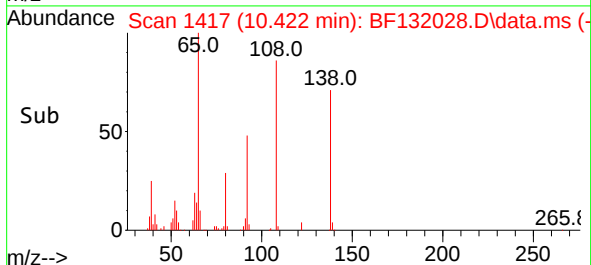
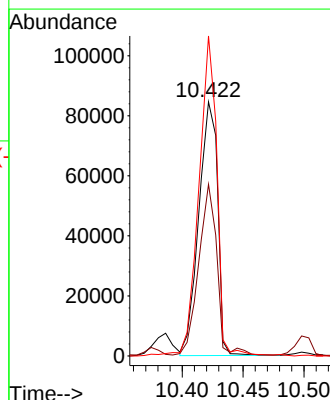
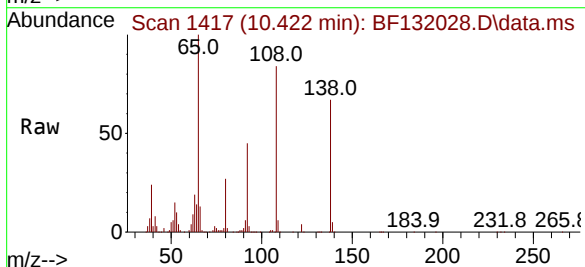
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

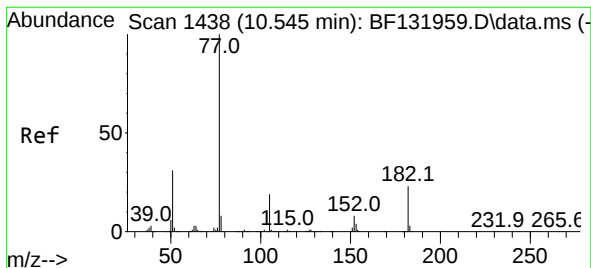
Tgt Ion:204 Resp: 283350
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 64.6 45.6 68.4



#62
4-Nitroaniline
Concen: 36.553 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:138 Resp: 90750
Ion Ratio Lower Upper
138 100
92 67.6 41.3 81.3
108 125.9 89.8 129.8





#63

Azobenzene

Concen: 45.752 ng

RT: 10.539 min Scan# 1437

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

Tgt Ion: 77 Resp: 645745

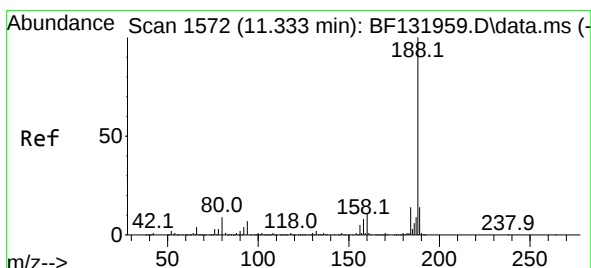
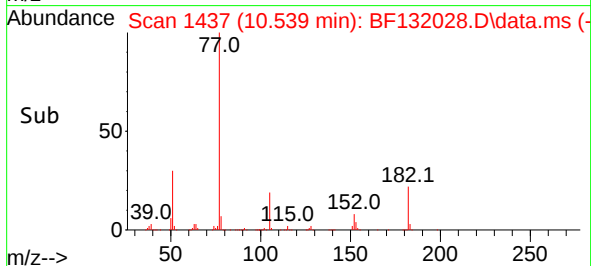
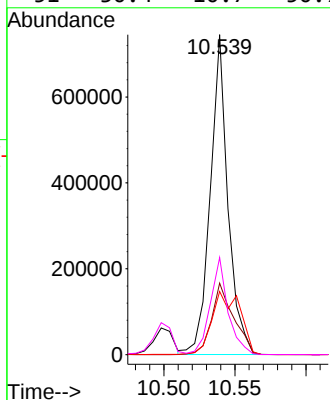
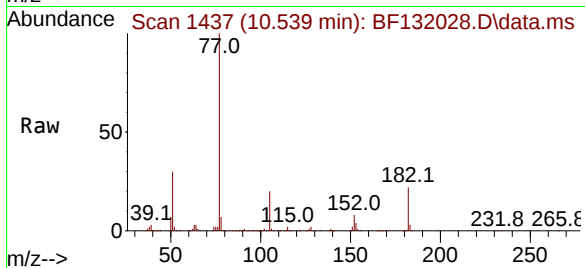
Ion Ratio Lower Upper

77 100

182 22.3 2.9 42.9

105 19.7 0.0 39.3

51 30.4 10.7 50.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

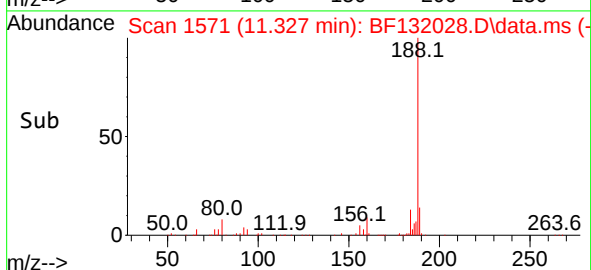
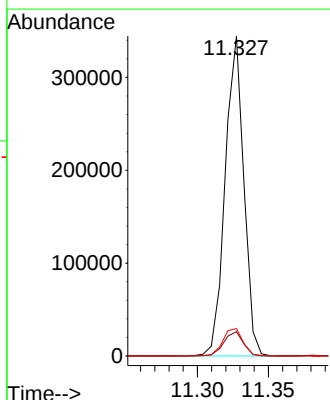
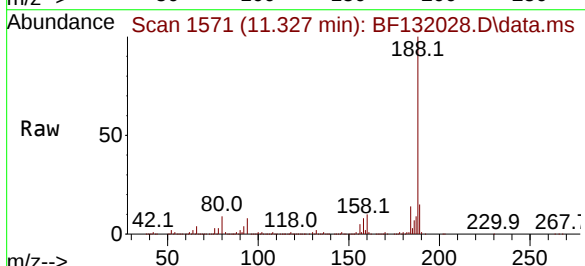
Tgt Ion: 188 Resp: 313335

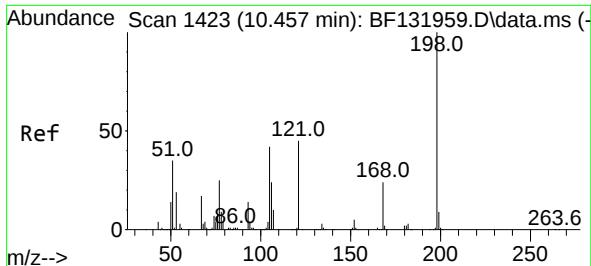
Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.6

80 8.6 7.4 11.0

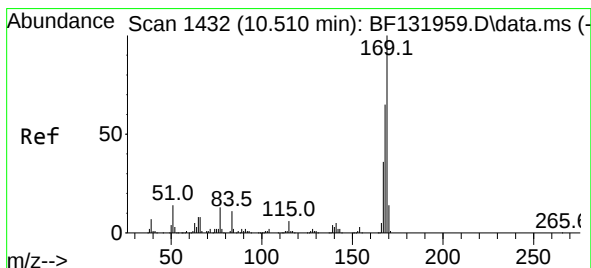
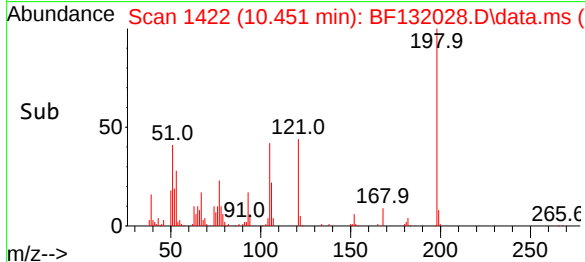
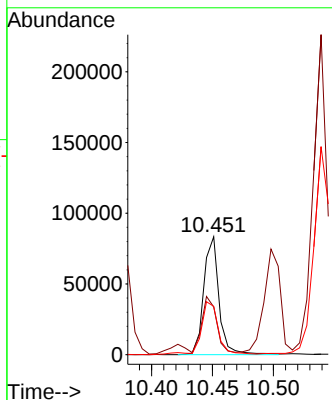
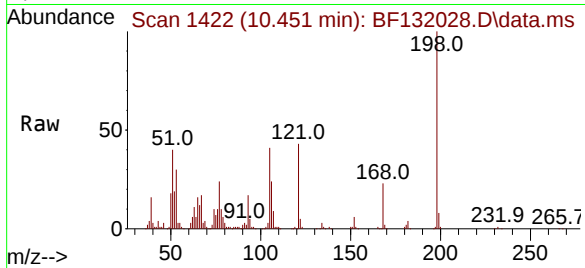




#65
4,6-Dinitro-2-methylphenol
Concen: 36.071 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

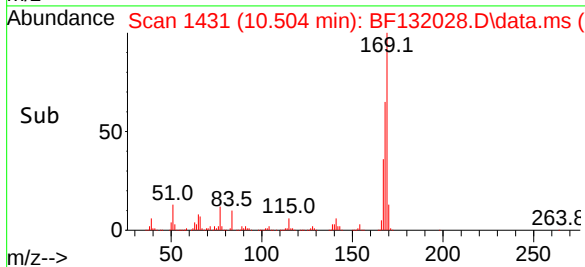
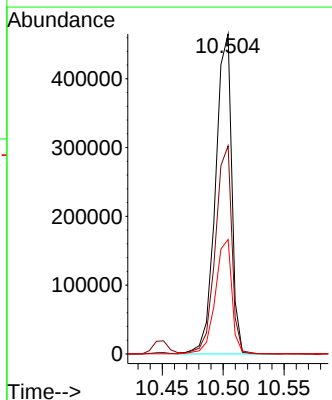
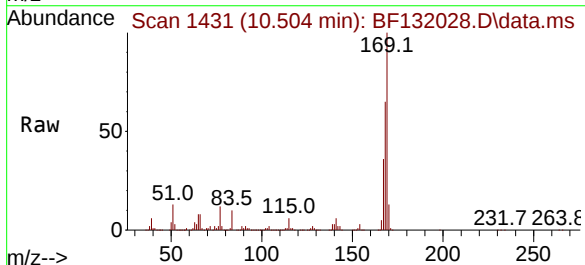
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

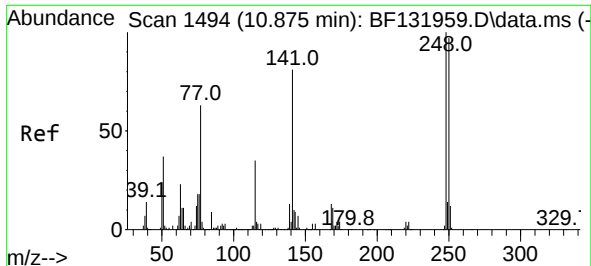
Tgt Ion:198 Resp: 72886
Ion Ratio Lower Upper
198 100
51 40.5 21.4 61.4
105 40.9 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 43.815 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:169 Resp: 430713
Ion Ratio Lower Upper
169 100
168 65.0 52.5 78.7
167 35.8 28.6 43.0

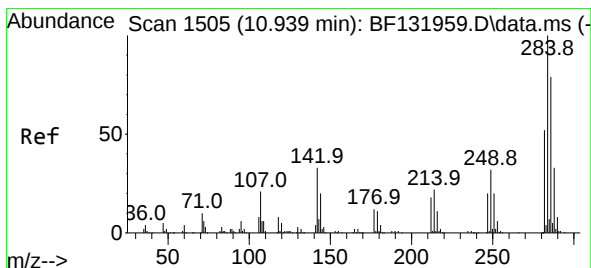
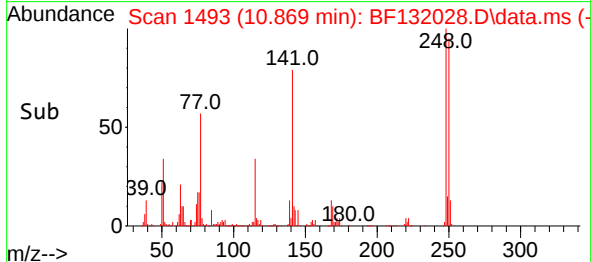
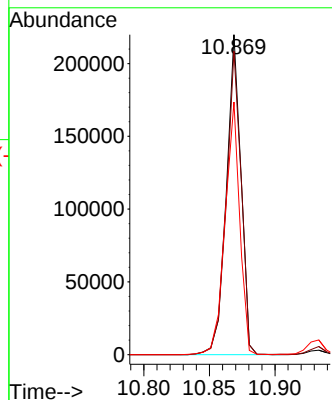
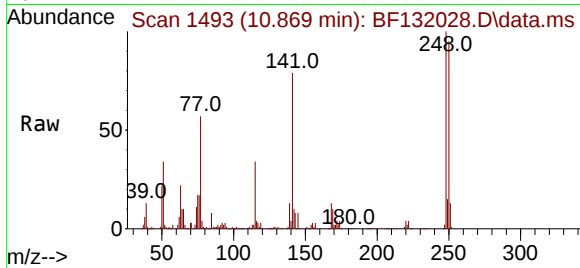




#67
4-Bromophenyl-phenylether
Concen: 43.477 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

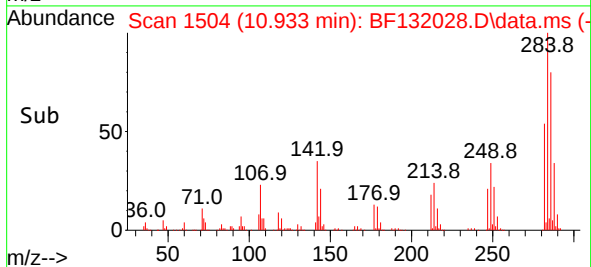
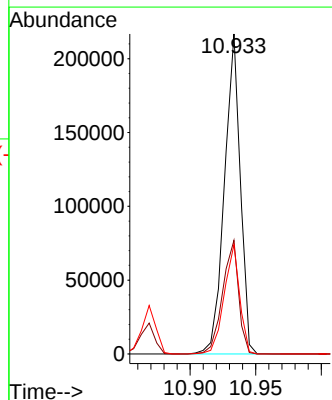
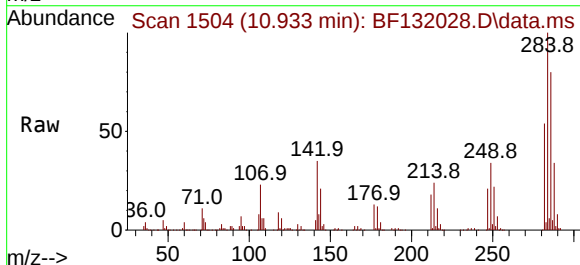
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

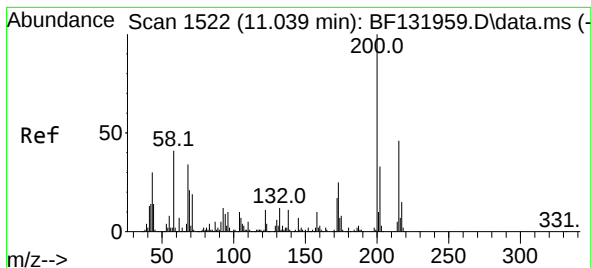
Tgt Ion:248 Resp: 170419
Ion Ratio Lower Upper
248 100
250 94.8 77.4 116.2
141 79.0 65.0 97.6



#68
Hexachlorobenzene
Concen: 45.785 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:284 Resp: 181546
Ion Ratio Lower Upper
284 100
142 35.5 26.4 39.6
249 34.1 25.4 38.2





#69

Atrazine

Concen: 45.171 ng

RT: 11.033 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

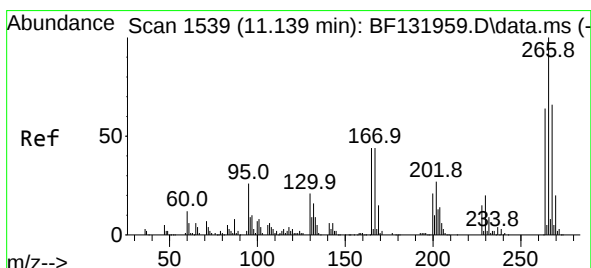
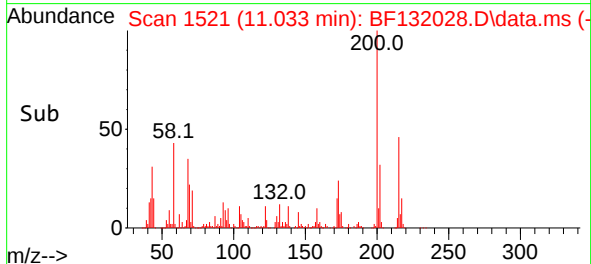
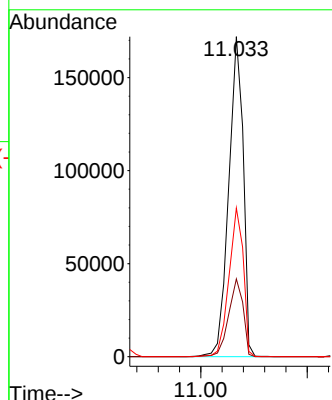
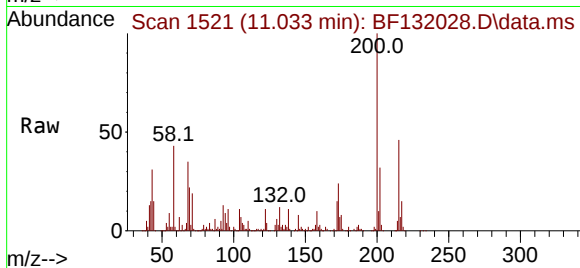
Tgt Ion:200 Resp: 161478

Ion Ratio Lower Upper

200 100

173 24.3 5.1 45.1

215 46.4 25.6 65.6



#70

Pentachlorophenol

Concen: 55.792 ng

RT: 11.139 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

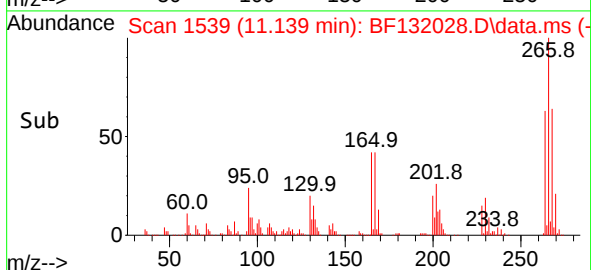
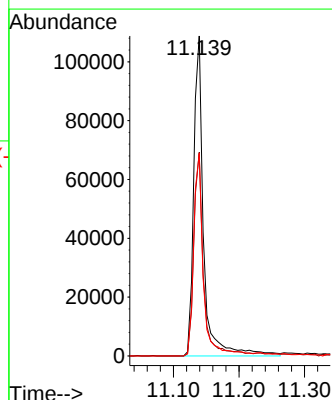
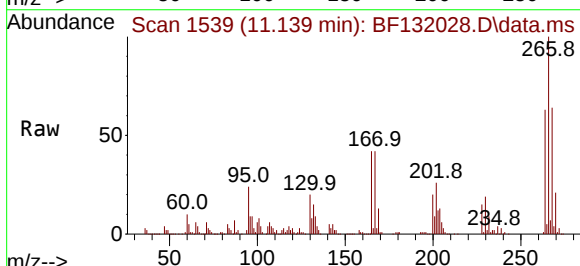
Tgt Ion:266 Resp: 115025

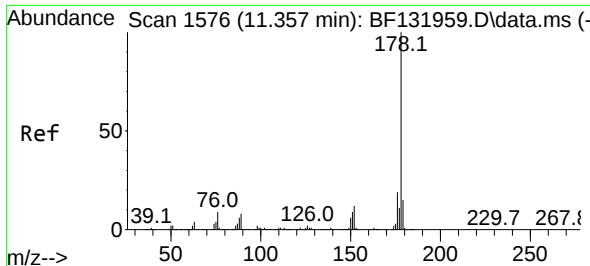
Ion Ratio Lower Upper

266 100

268 63.6 52.7 79.1

264 63.3 51.6 77.4

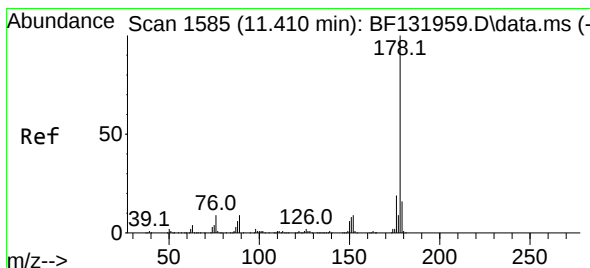
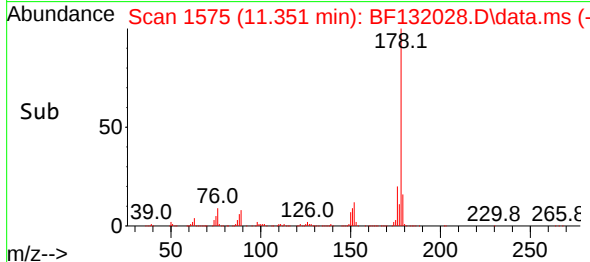
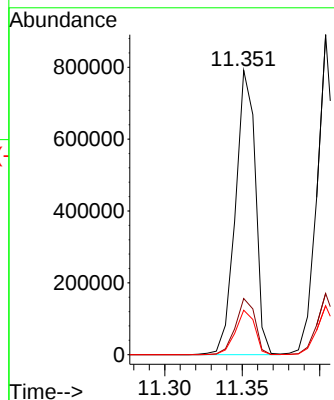
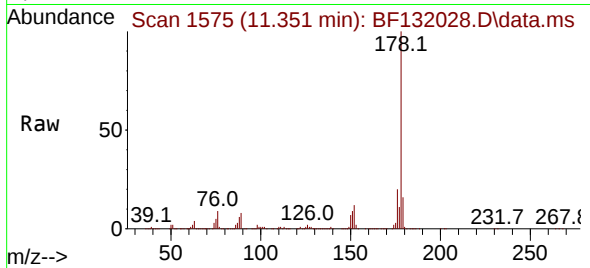




#71
Phenanthrene
Concen: 43.421 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

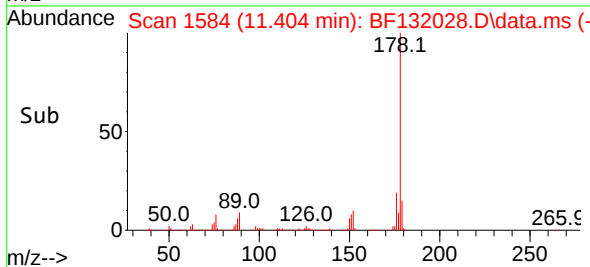
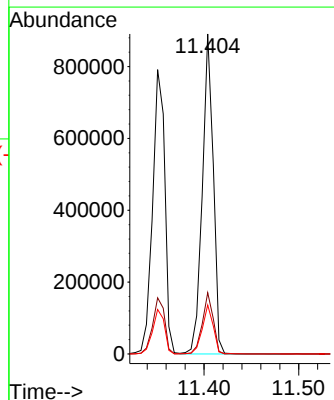
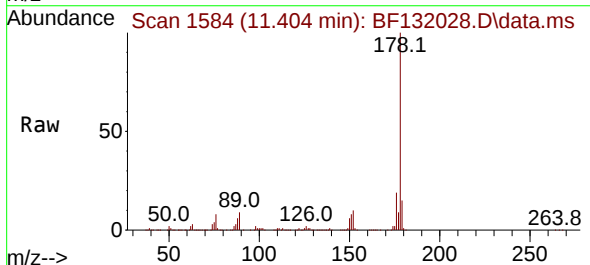
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

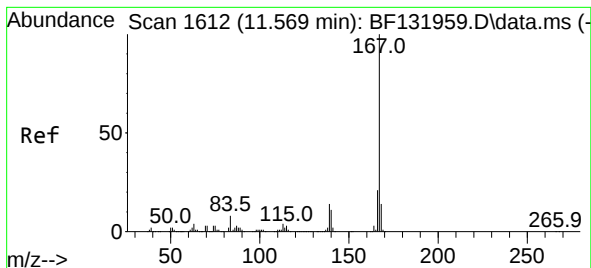
Tgt Ion:178 Resp: 709257
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.6 12.4 18.6



#72
Anthracene
Concen: 42.472 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:178 Resp: 714185
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.6 19.0





#73

Carbazole

Concen: 40.965 ng

RT: 11.563 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

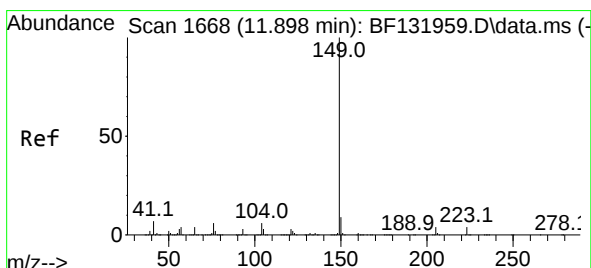
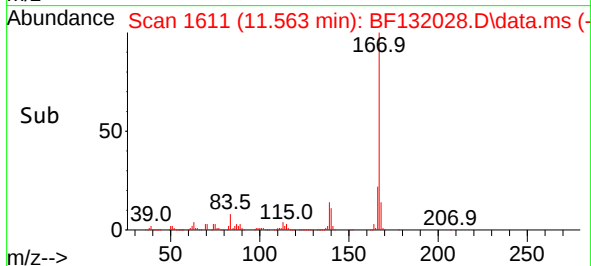
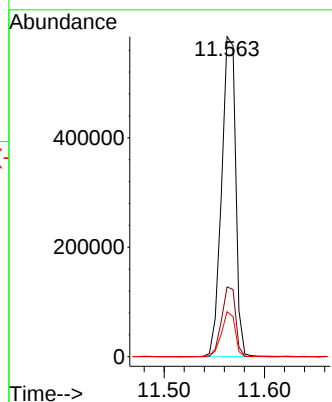
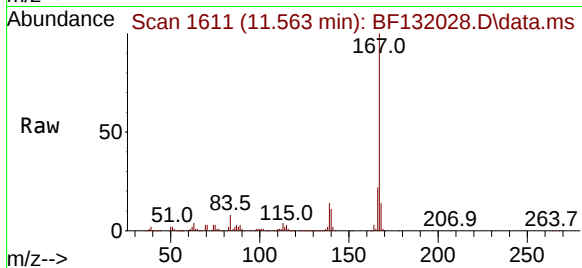
Tgt Ion:167 Resp: 570295

Ion Ratio Lower Upper

167 100

166 21.8 16.8 25.2

139 14.1 11.1 16.7



#74

Di-n-butylphthalate

Concen: 41.726 ng

RT: 11.892 min Scan# 1667

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

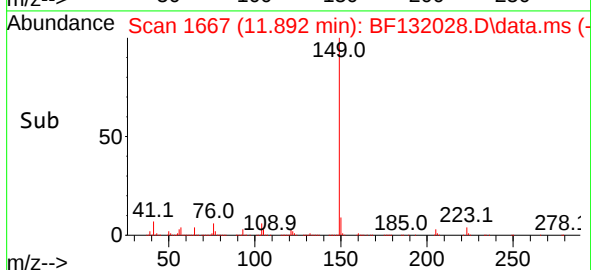
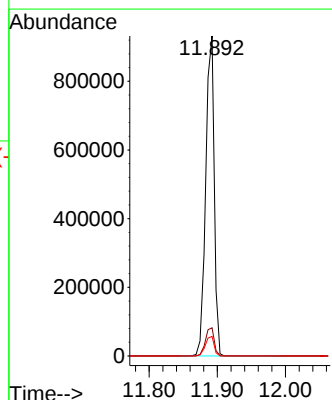
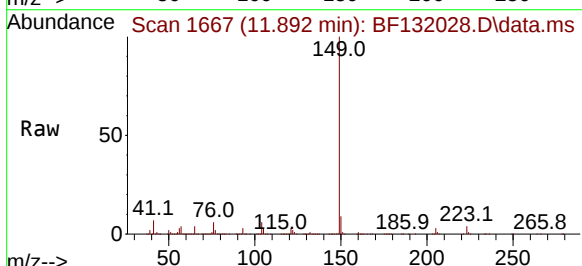
Tgt Ion:149 Resp: 808825

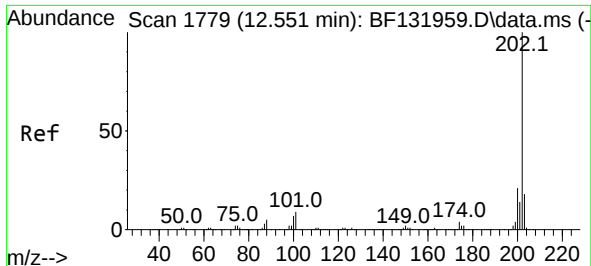
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 6.1 5.0 7.6

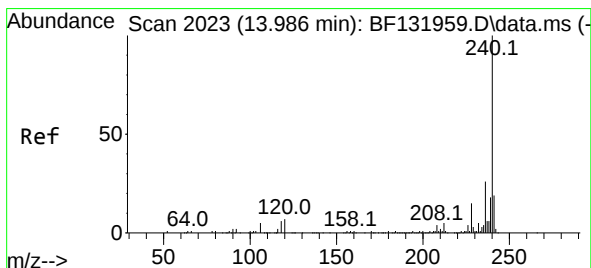
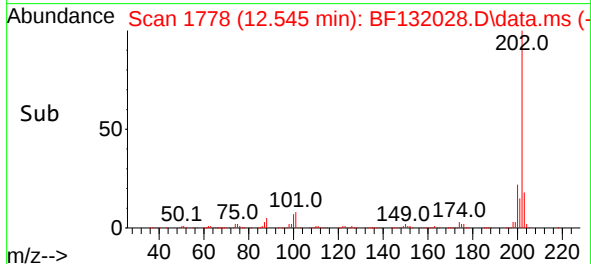
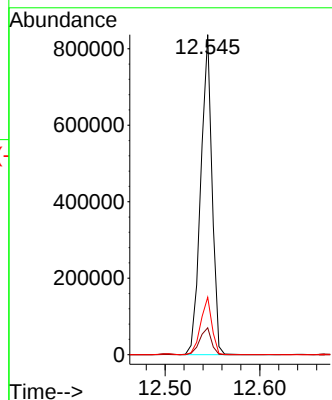
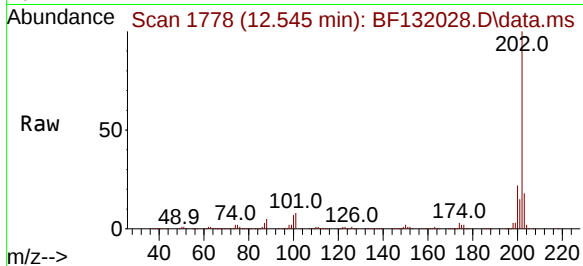




#75
Fluoranthene
Concen: 37.602 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

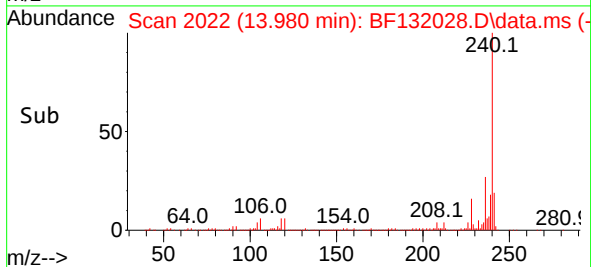
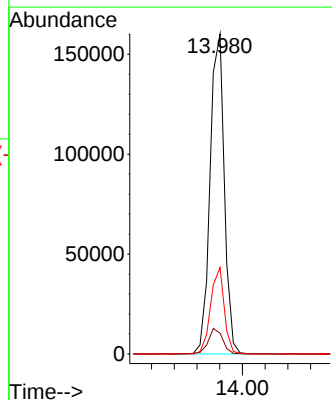
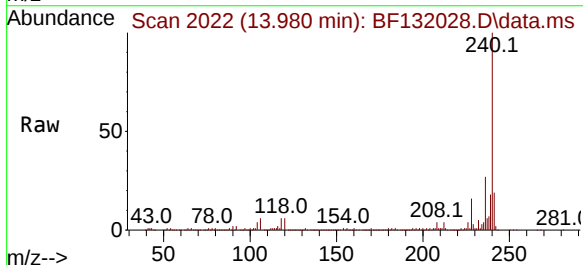
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

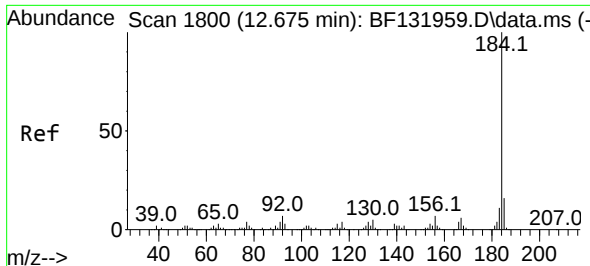
Tgt Ion:202 Resp: 690752
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.8
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:240 Resp: 139174
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 27.1 21.1 31.7

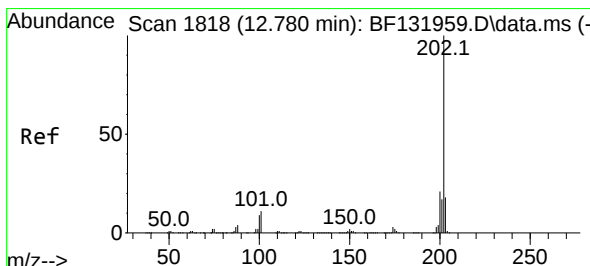
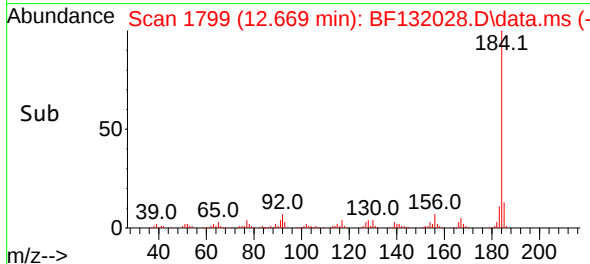
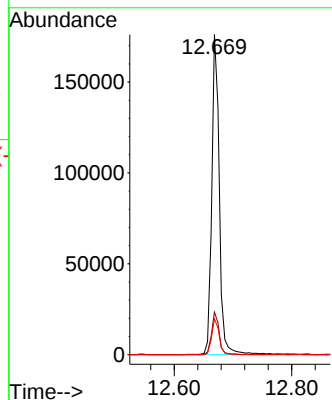
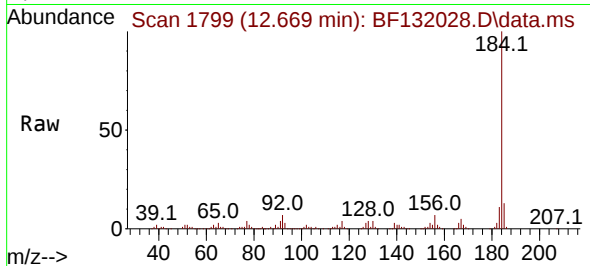




#77
Benzidine
Concen: 34.133 ng
RT: 12.669 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

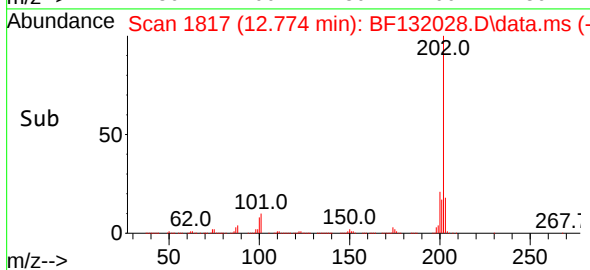
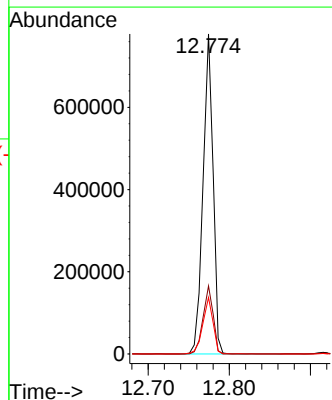
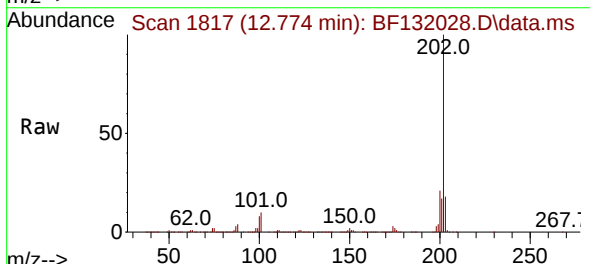
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

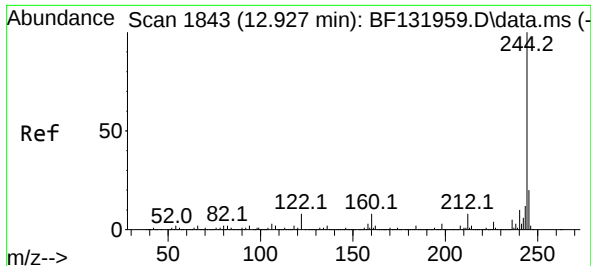
Tgt Ion:184 Resp: 157820
Ion Ratio Lower Upper
184 100
185 13.3 12.8 19.2
183 11.2 9.0 13.4



#78
Pyrene
Concen: 52.682 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:202 Resp: 668716
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 17.7 14.1 21.1

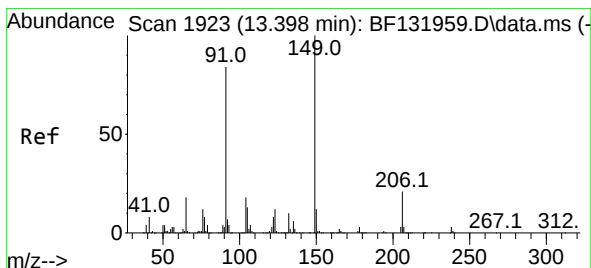
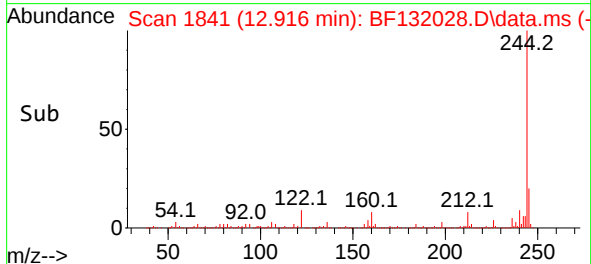
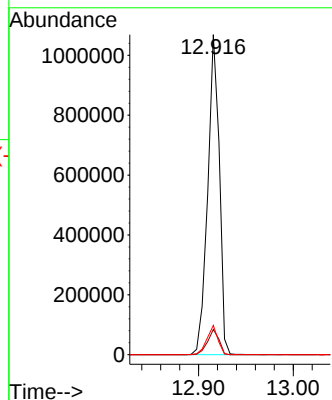
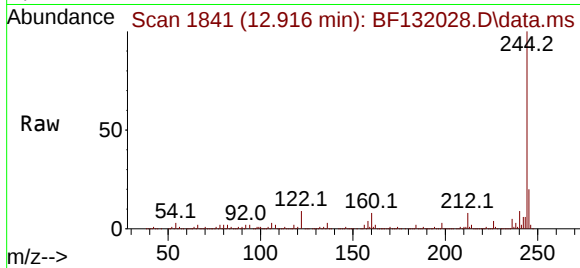




#79
 Terphenyl-d14
 Concen: 93.016 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF132028.D
 Acq: 11 Jan 2023 17:56

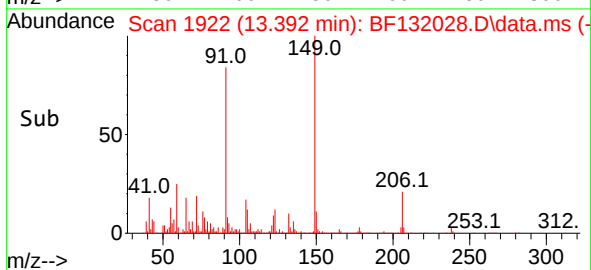
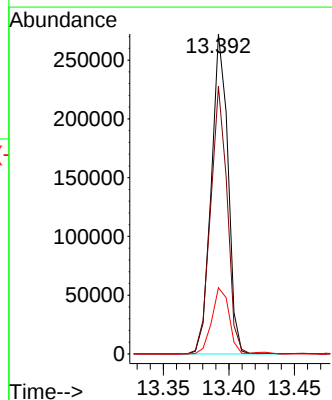
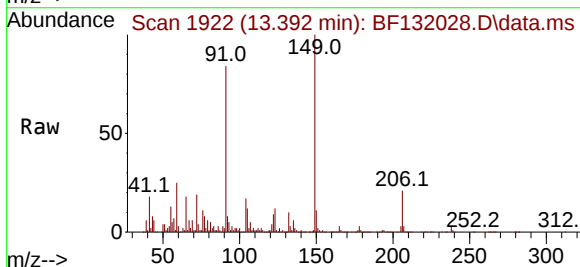
Instrument :
 BNA_F
 ClientSampleId :
 H-5-MIDDLE(4-8)MSD

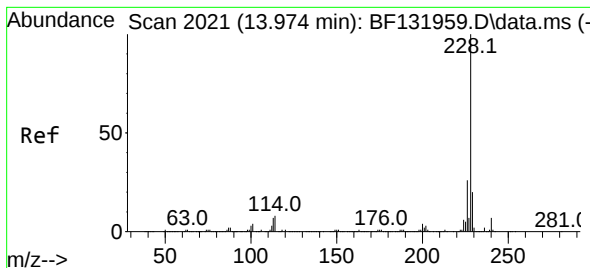
Tgt Ion:244 Resp: 903211
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 9.1 6.8 10.2



#80
 Butylbenzylphthalate
 Concen: 46.930 ng
 RT: 13.392 min Scan# 1922
 Delta R.T. -0.006 min
 Lab File: BF132028.D
 Acq: 11 Jan 2023 17:56

Tgt Ion:149 Resp: 240452
 Ion Ratio Lower Upper
 149 100
 91 83.7 67.0 100.4
 206 20.7 16.9 25.3





#81

Benzo(a)anthracene

Concen: 43.047 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

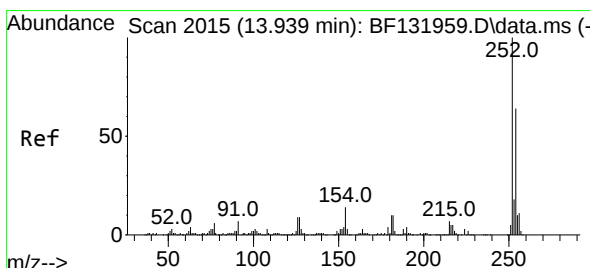
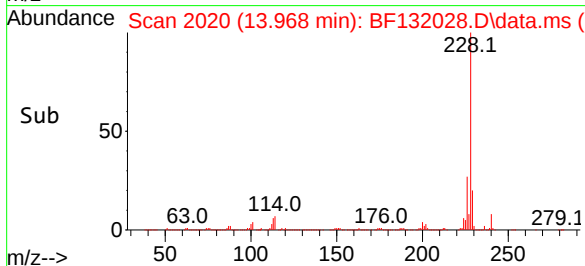
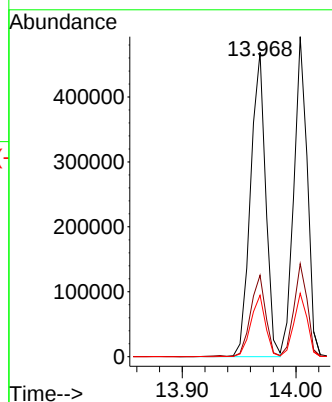
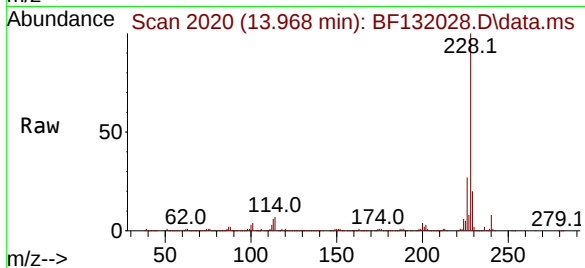
Tgt Ion:228 Resp: 435861

Ion Ratio Lower Upper

228 100

226 26.8 21.0 31.4

229 20.2 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 19.465 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

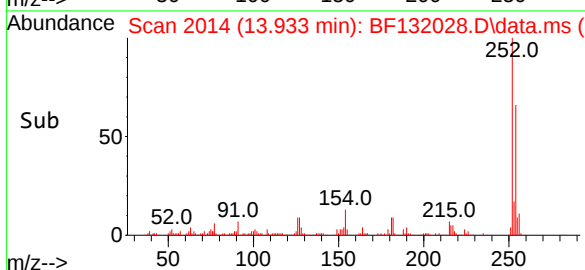
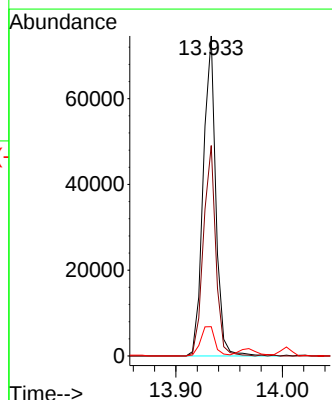
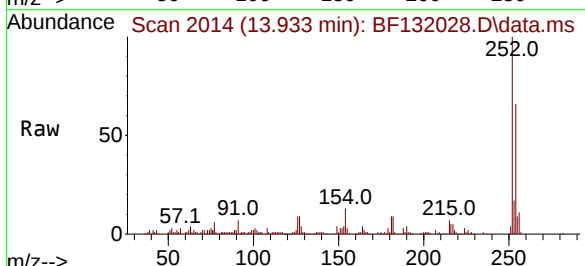
Tgt Ion:252 Resp: 61512

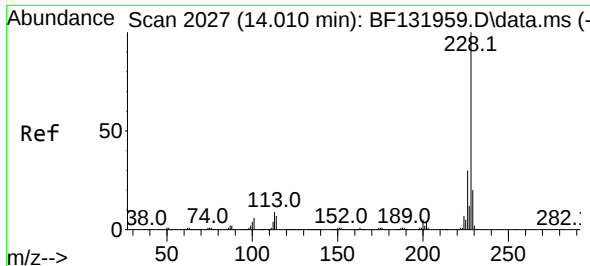
Ion Ratio Lower Upper

252 100

254 65.7 51.5 77.3

126 9.1 6.9 10.3

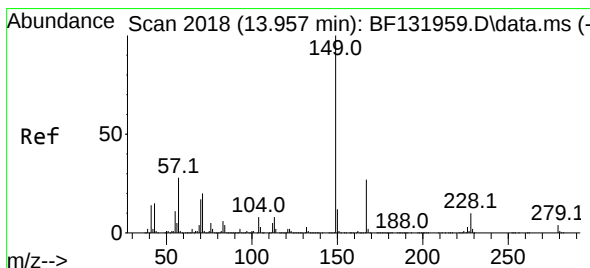
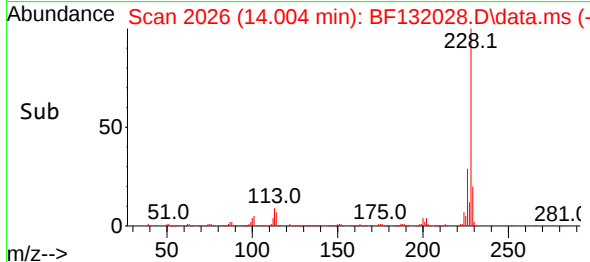
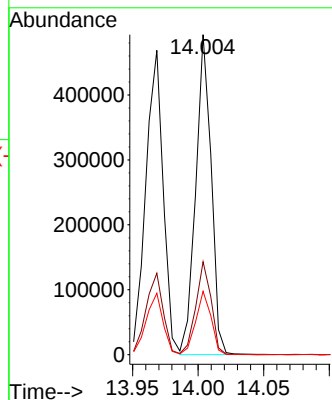
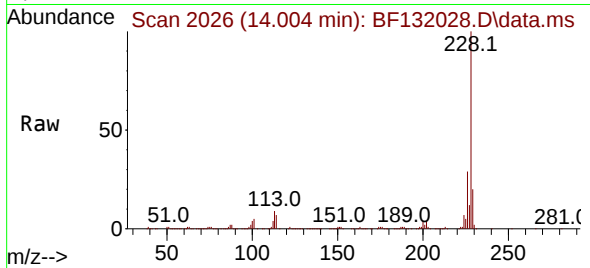




#83
Chrysene
Concen: 42.628 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

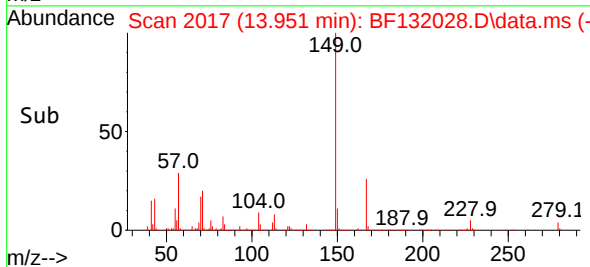
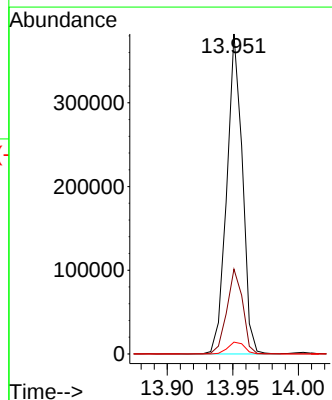
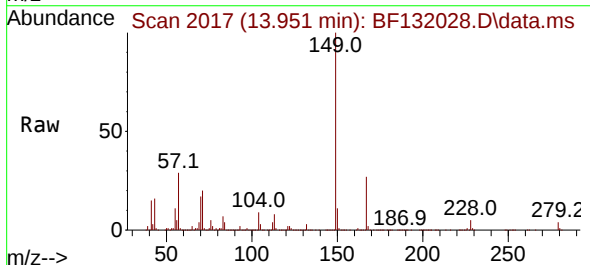
Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

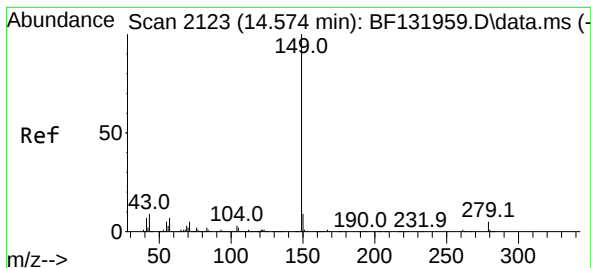
Tgt Ion:228 Resp: 403383
Ion Ratio Lower Upper
228 100
226 29.1 24.0 36.0
229 19.8 16.2 24.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.497 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:149 Resp: 315815
Ion Ratio Lower Upper
149 100
167 26.5 21.3 31.9
279 3.7 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 50.324 ng

RT: 14.568 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

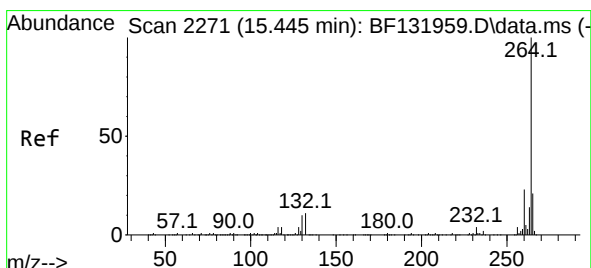
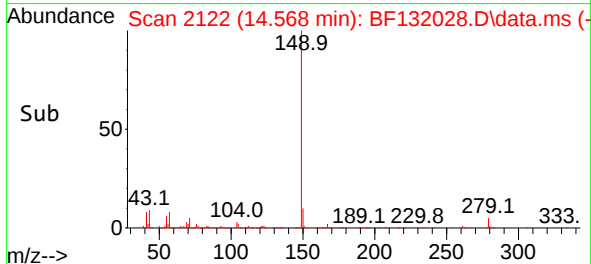
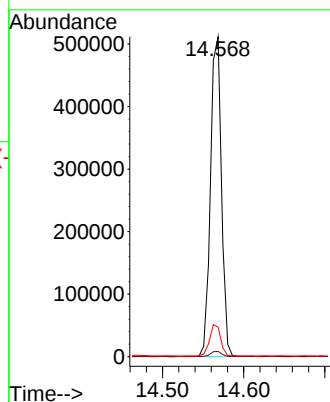
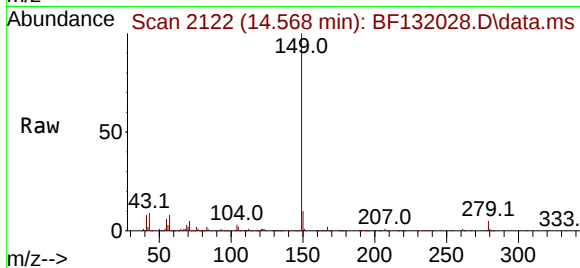
Tgt Ion:149 Resp: 478011

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 10.1 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

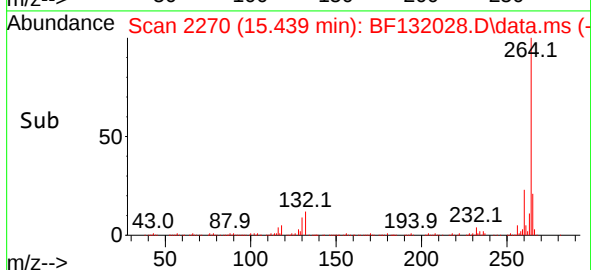
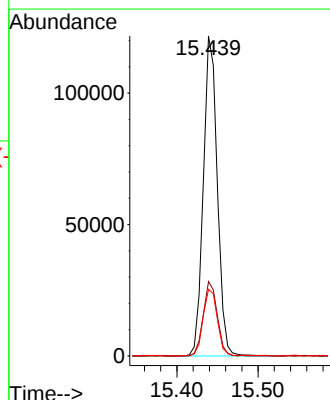
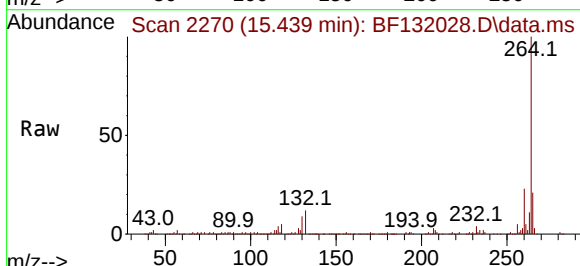
Tgt Ion:264 Resp: 145219

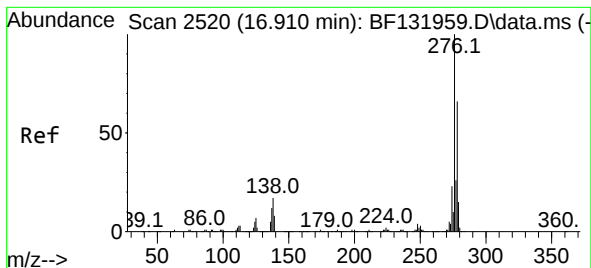
Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 20.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.501 ng

RT: 16.909 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

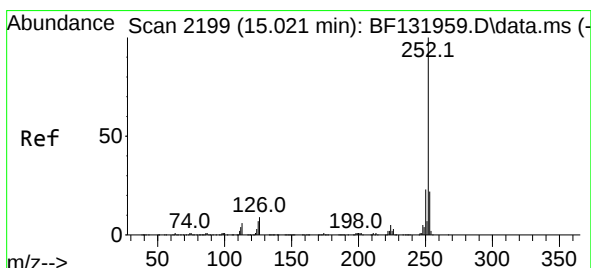
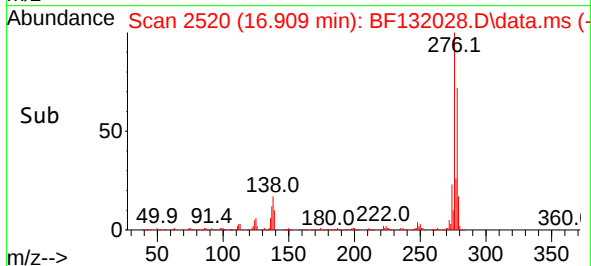
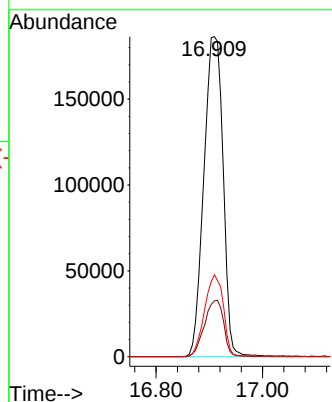
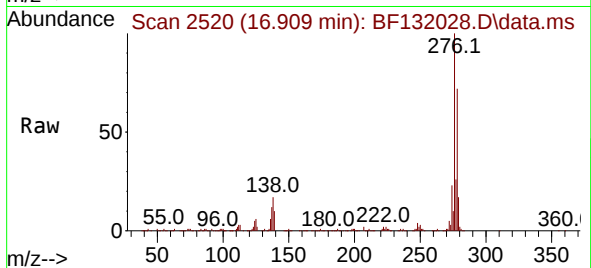
Tgt Ion:276 Resp: 467586

Ion Ratio Lower Upper

276 100

138 17.6 14.2 21.2

277 25.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 42.635 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

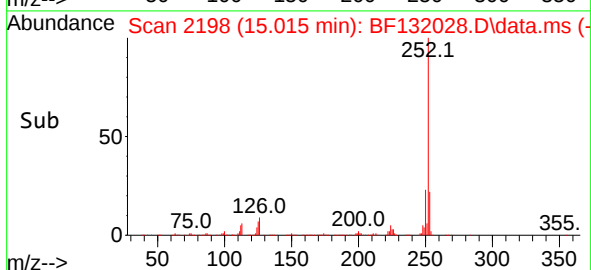
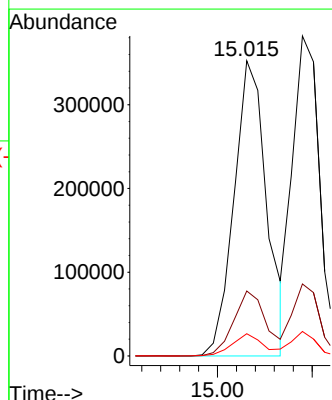
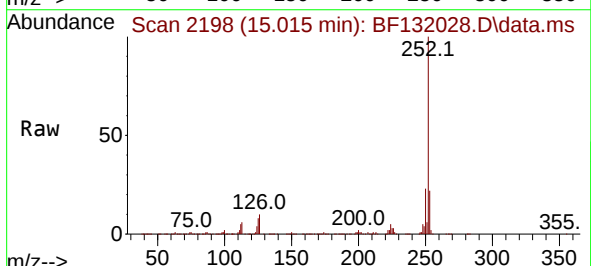
Tgt Ion:252 Resp: 424660

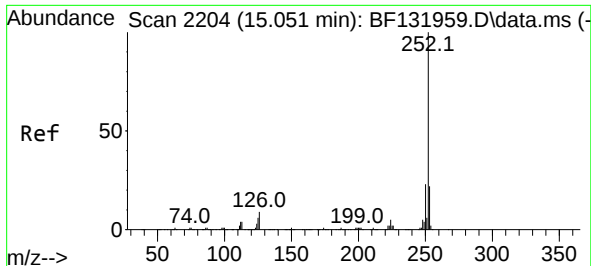
Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 7.6 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 37.914 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

Instrument :

BNA_F

ClientSampleId :

H-5-MIDDLE(4-8)MSD

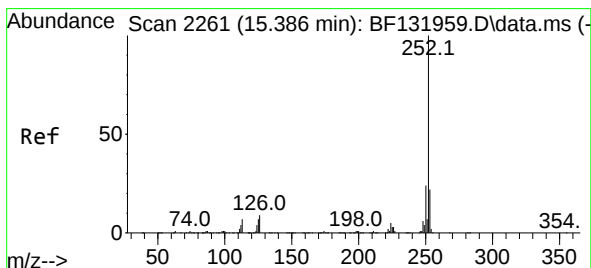
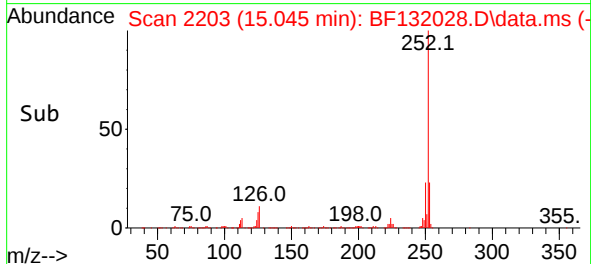
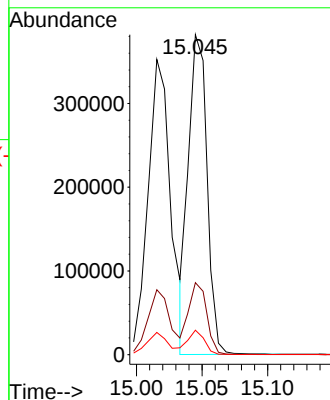
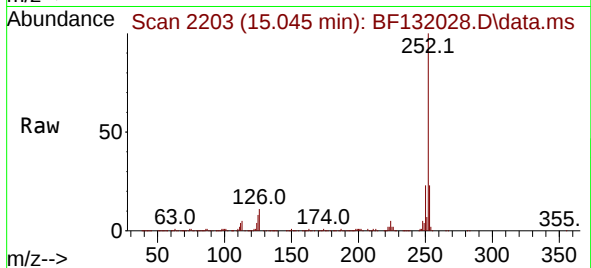
Tgt Ion:252 Resp: 376883

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 7.6 5.2 7.8



#90

Benzo(a)pyrene

Concen: 40.341 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.006 min

Lab File: BF132028.D

Acq: 11 Jan 2023 17:56

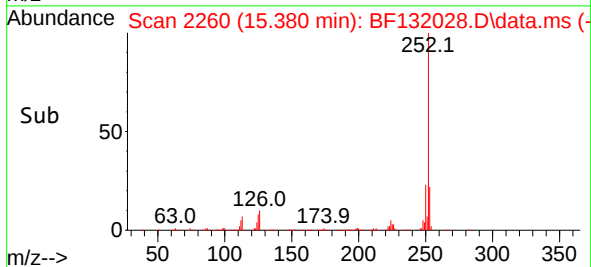
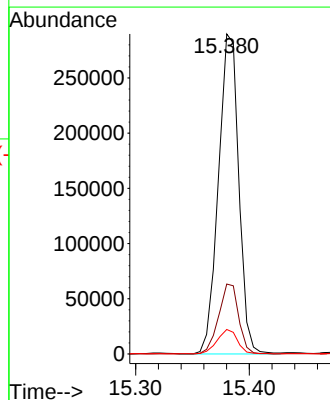
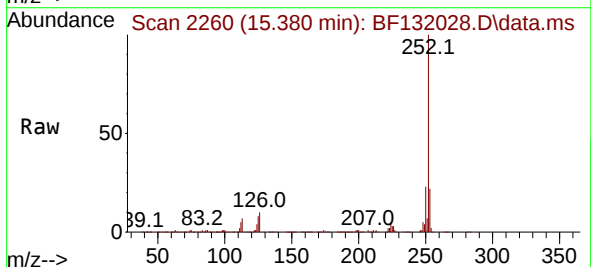
Tgt Ion:252 Resp: 362022

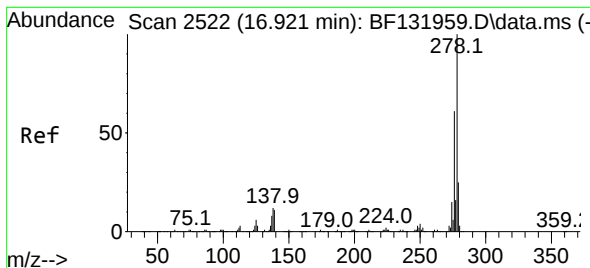
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 7.6 5.7 8.5

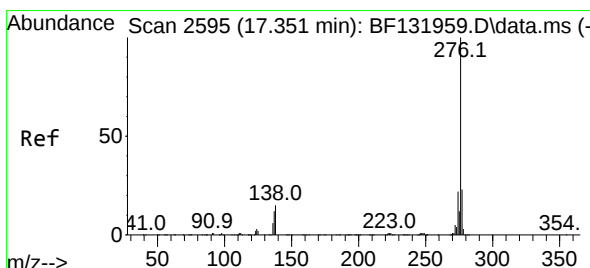
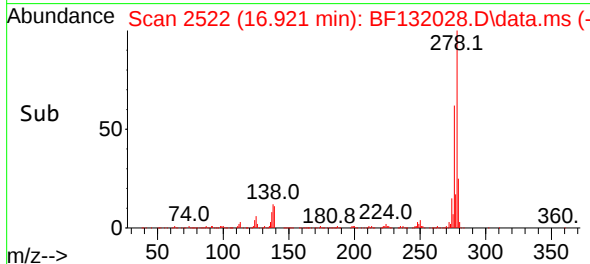
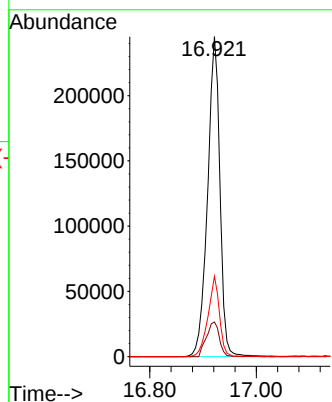
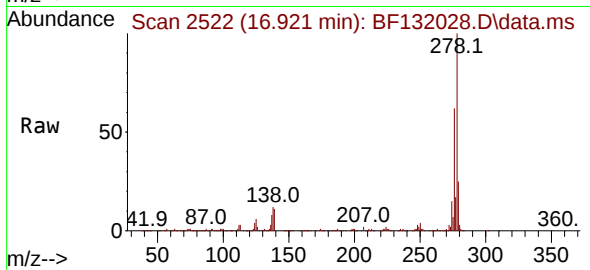




#91
Dibenzo(a,h)anthracene
Concen: 52.967 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Instrument :
BNA_F
ClientSampleId :
H-5-MIDDLE(4-8)MSD

Tgt Ion:278 Resp: 395450
Ion Ratio Lower Upper
278 100
139 10.8 8.8 13.2
279 25.1 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 47.400 ng
RT: 17.351 min Scan# 2595
Delta R.T. -0.000 min
Lab File: BF132028.D
Acq: 11 Jan 2023 17:56

Tgt Ion:276 Resp: 378550
Ion Ratio Lower Upper
276 100
277 22.4 18.2 27.2
138 15.2 11.7 17.5

