

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052224\
 Data File : BF138014.D
 Acq On : 22 May 2024 19:55
 Operator : CG\JU
 Sample : P2564-01MS 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-05212024MS

Quant Time: May 23 01:13:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.033	152	139638	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	523313	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	246560	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	350146	20.000	ng	0.00
76) Chrysene-d12	14.227	240	281097	20.000	ng	0.00
86) Perylene-d12	15.792	264	210111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	347101	42.224	ng	0.00
7) Phenol-d6	6.645	99	425120	41.981	ng	-0.01
23) Nitrobenzene-d5	7.592	82	250236	28.141	ng	-0.02
42) 2,4,6-Tribromophenol	10.868	330	94029	37.822	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	527643	32.965	ng	0.00
79) Terphenyl-d14	13.157	244	468205	24.548	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.951	88	59485	16.704	ng	95
3) Pyridine	3.722	79	141163	17.666	ng	97
4) n-Nitrosodimethylamine	3.675	42	70309	19.945	ng	# 99
6) Aniline	6.692	93	143977	15.896	ng	99
8) 2-Chlorophenol	6.816	128	193050	21.700	ng	100
9) Benzaldehyde	6.586	77	32006	5.842	ng	99
10) Phenol	6.657	94	219455	21.471	ng	98
11) bis(2-Chloroethyl)ether	6.763	93	168809	21.510	ng	98
12) 1,3-Dichlorobenzene	6.975	146	207489	20.158	ng	98
13) 1,4-Dichlorobenzene	7.051	146	210244	20.349	ng	99
14) 1,2-Dichlorobenzene	7.204	146	198882	20.453	ng	98
15) Benzyl Alcohol	7.169	79	148378	21.943	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.298	45	212701	22.048	ng	98
17) 2-Methylphenol	7.269	107	145746	20.543	ng	99
18) Hexachloroethane	7.545	117	69471	19.871	ng	95
19) n-Nitroso-di-n-propyla...	7.433	70	125386	22.039	ng	99
20) 3+4-Methylphenols	7.422	107	195099	20.991	ng	97
22) Acetophenone	7.439	105	260247	22.199	ng	# 98
24) Nitrobenzene	7.610	77	184124	20.411	ng	94
25) Isophorone	7.845	82	332089	21.518	ng	99
26) 2-Nitrophenol	7.928	139	98213	21.668	ng	96
27) 2,4-Dimethylphenol	7.951	122	133119	22.811	ng	97
28) bis(2-Chloroethoxy)met...	8.057	93	206043	22.028	ng	98
29) 2,4-Dichlorophenol	8.169	162	151451	20.638	ng	98
30) 1,2,4-Trichlorobenzene	8.257	180	167466	20.439	ng	97
31) Naphthalene	8.339	128	549580	20.887	ng	99
32) Benzoic acid	8.033	122	80663	16.351	ng	98
33) 4-Chloroaniline	8.380	127	110273	12.784	ng	98
34) Hexachlorobutadiene	8.451	225	104471	20.144	ng	97
35) Caprolactam	8.733	113	40353	18.980	ng	92
36) 4-Chloro-3-methylphenol	8.857	107	143806	19.264	ng	100
37) 2-Methylnaphthalene	9.033	142	349211	20.647	ng	99
38) 1-Methylnaphthalene	9.133	142	315034	18.946	ng	99
40) 1,2,4,5-Tetrachloroben...	9.198	216	160932	24.009	ng	99
41) Hexachlorocyclopentadiene	9.180	237	59515	23.367	ng	98
43) 2,4,6-Trichlorophenol	9.304	196	99510	22.642	ng	99

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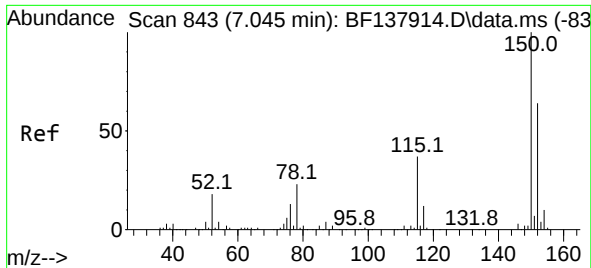
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.345	196	98806	20.547	ng	95
46) 1,1'-Biphenyl	9.498	154	413233	23.895	ng	99
47) 2-Chloronaphthalene	9.522	162	304559	22.062	ng	98
48) 2-Nitroaniline	9.616	65	75719	21.420	ng	96
49) Acenaphthylene	9.945	152	465213	23.437	ng	100
50) Dimethylphthalate	9.786	163	366857	23.728	ng	99
51) 2,6-Dinitrotoluene	9.857	165	73690	20.766	ng	95
52) Acenaphthene	10.116	154	272746	20.790	ng	100
53) 3-Nitroaniline	10.027	138	57619	16.609	ng	97
54) 2,4-Dinitrophenol	10.133	184	18732	15.888	ng	# 81
55) Dibenzofuran	10.286	168	405969	21.263	ng	99
56) 4-Nitrophenol	10.174	139	93666	37.592	ng	96
57) 2,4-Dinitrotoluene	10.257	165	89380	19.483	ng	# 88
58) Fluorene	10.633	166	306506	20.296	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.398	232	74414	19.698	ng	98
60) Diethylphthalate	10.492	149	324466	22.470	ng	99
61) 4-Chlorophenyl-phenyle...	10.621	204	157948	21.208	ng	91
62) 4-Nitroaniline	10.639	138	56101	17.050	ng	97
63) Azobenzene	10.780	77	270502	20.595	ng	99
65) 4,6-Dinitro-2-methylph...	10.669	198	16425	8.124	ng	98
66) n-Nitrosodiphenylamine	10.733	169	264339	24.617	ng	99
67) 4-Bromophenyl-phenylether	11.116	248	88013	22.928	ng	94
68) Hexachlorobenzene	11.180	284	91410	21.543	ng	97
69) Atrazine	11.257	200	79356	27.064	ng	99
70) Pentachlorophenol	11.374	266	104970	42.233	ng	99
71) Phenanthrene	11.598	178	401746	23.283	ng	100
72) Anthracene	11.651	178	397841	23.238	ng	100
73) Carbazole	11.804	167	349627	22.356	ng	99
74) Di-n-butylphthalate	12.127	149	427725	24.644	ng	99
75) Fluoranthene	12.792	202	444290	25.368	ng	98
77) Benzidine	12.915	184	76257	20.758	ng	97
78) Pyrene	13.027	202	464985	18.913	ng	99
80) Butylbenzylphthalate	13.633	149	172666	23.284	ng	99
81) Benzo(a)anthracene	14.215	228	409893	23.048	ng	99
82) 3,3'-Dichlorobenzidine	14.174	252	98132	19.911	ng	99
83) Chrysene	14.257	228	388988	22.871	ng	100
84) Bis(2-ethylhexyl)phtha...	14.186	149	256559	27.522	ng	99
85) Di-n-octyl phthalate	14.815	149	425199	33.763	ng	100
87) Indeno(1,2,3-cd)pyrene	17.415	276	246141	18.234	ng	98
88) Benzo(b)fluoranthene	15.321	252	311973	25.644	ng	98
89) Benzo(k)fluoranthene	15.351	252	305550	25.566	ng	99
90) Benzo(a)pyrene	15.721	252	258601	24.894	ng	# 96
91) Dibenzo(a,h)anthracene	17.439	278	194959	17.480	ng	99
92) Benzo(g,h,i)perylene	17.909	276	190352	16.247	ng	99

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

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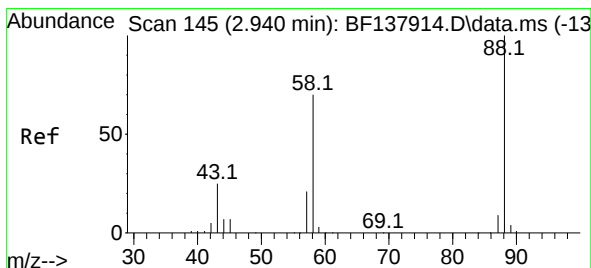
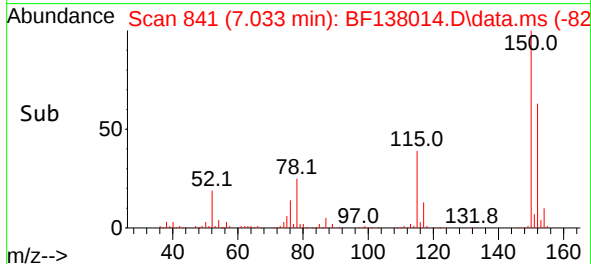
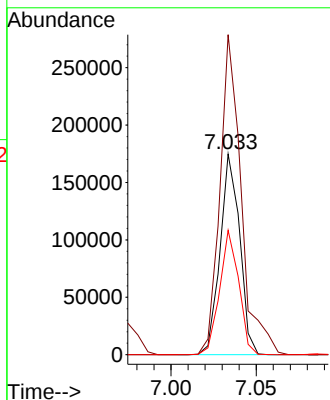
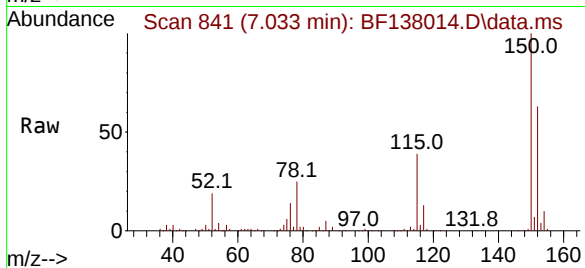




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.033 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

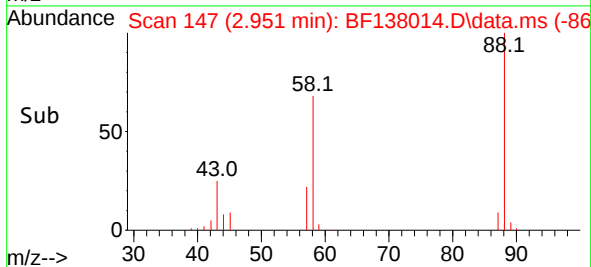
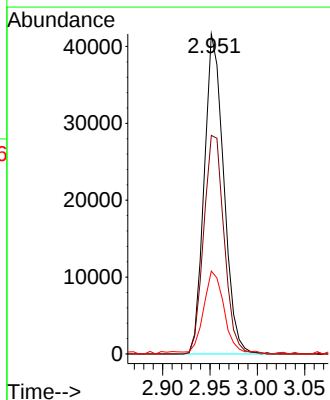
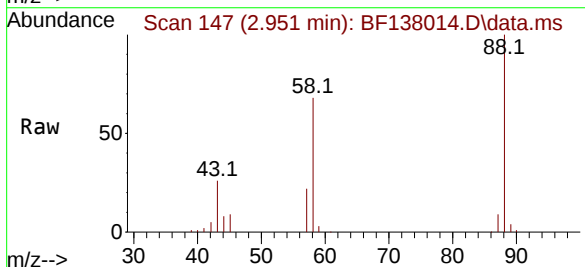
Instrument :
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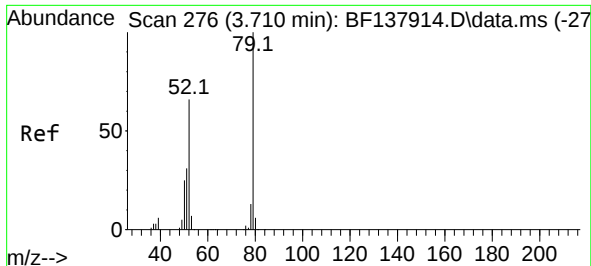
Tgt Ion:152 Resp: 139638
Ion Ratio Lower Upper
152 100
150 159.5 125.7 188.5
115 61.9 47.0 70.6



#2
1,4-Dioxane
Concen: 16.704 ng
RT: 2.951 min Scan# 147
Delta R.T. 0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion: 88 Resp: 59485
Ion Ratio Lower Upper
88 100
58 71.4 54.4 81.6
43 27.5 19.6 29.4

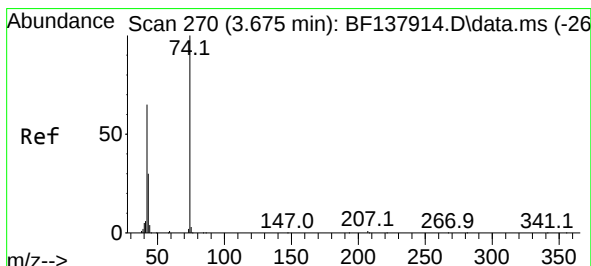
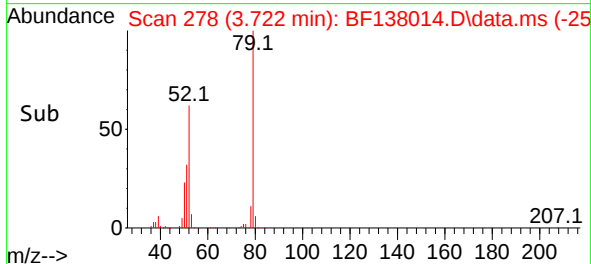
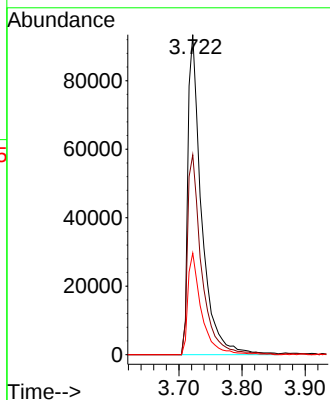
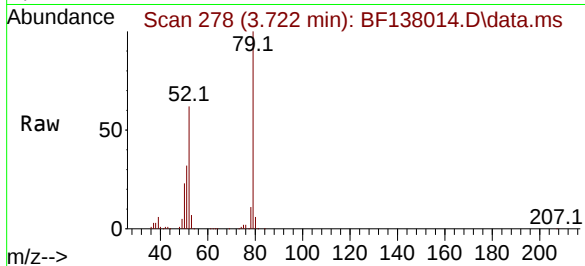




#3
Pyridine
Concen: 17.666 ng
RT: 3.722 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

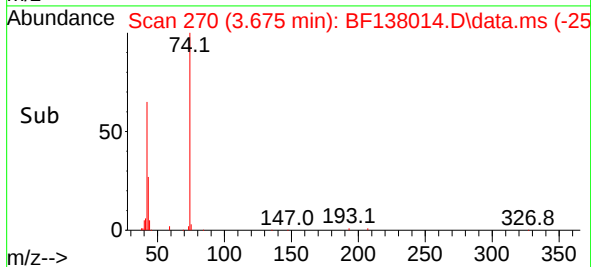
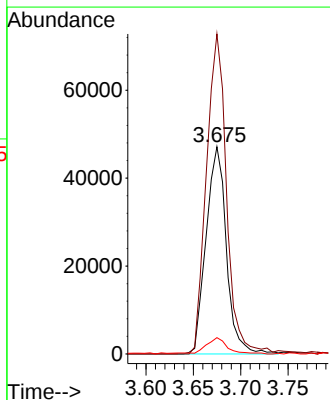
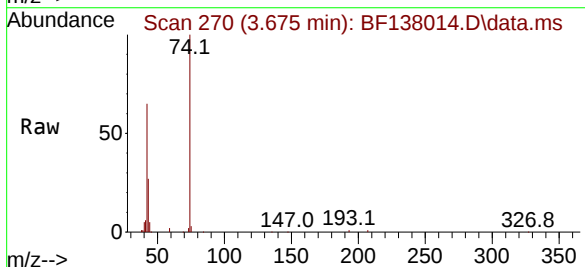
Instrument :
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ClientSampleId :
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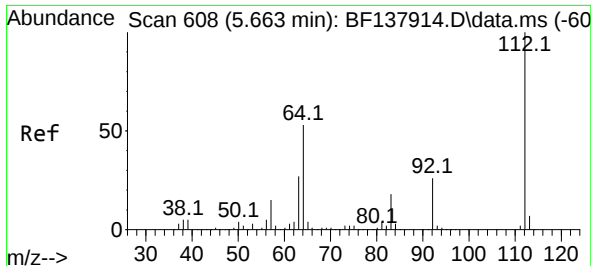
Tgt Ion: 79 Resp: 141163
Ion Ratio Lower Upper
79 100
52 62.5 52.5 78.7
51 31.8 25.1 37.7



#4
n-Nitrosodimethylamine
Concen: 19.945 ng
RT: 3.675 min Scan# 270
Delta R.T. -0.000 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion: 42 Resp: 70309
Ion Ratio Lower Upper
42 100
74 154.4 123.1 184.7
44 7.8 5.0 7.6#

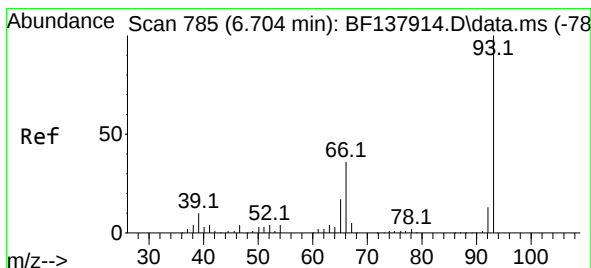
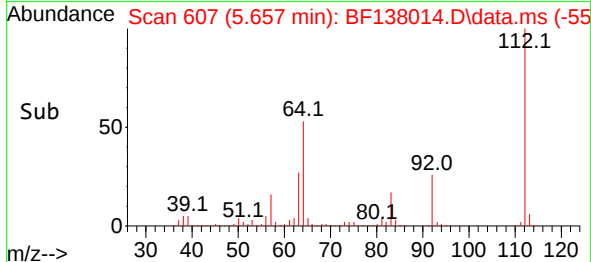
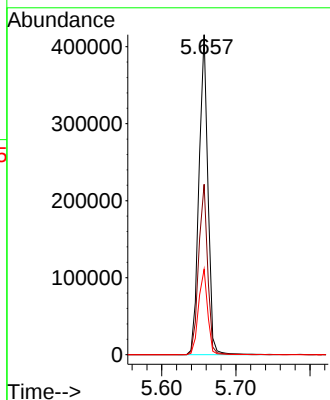
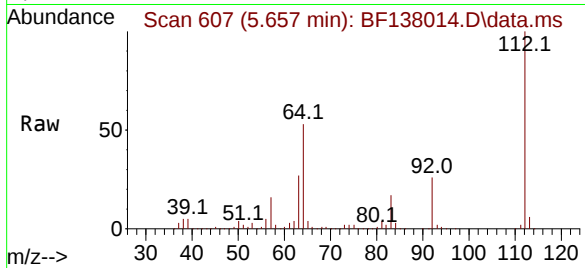




#5
2-Fluorophenol
Concen: 42.224 ng
RT: 5.657 min Scan# 608
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

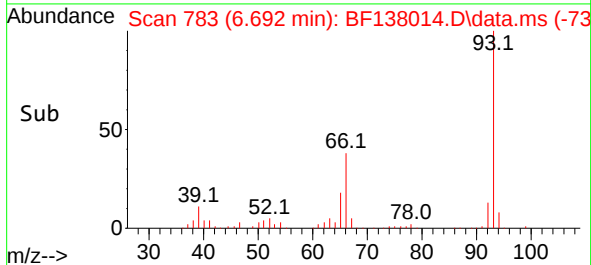
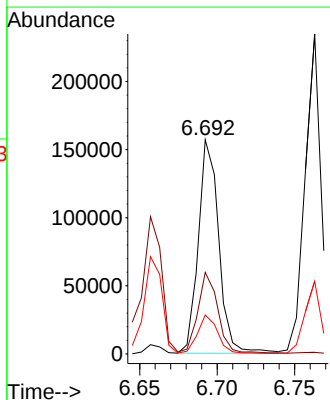
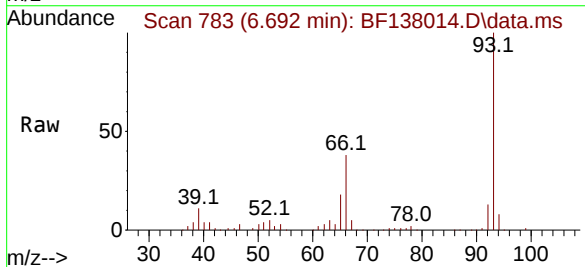
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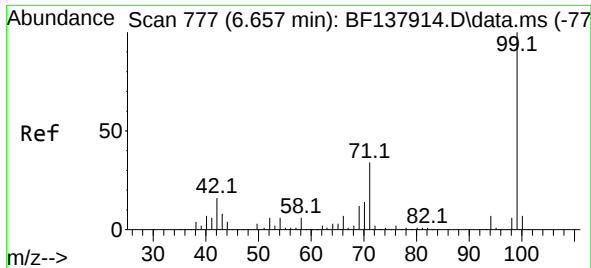
Tgt Ion:112 Resp: 347101
Ion Ratio Lower Upper
112 100
64 53.2 42.4 63.6
63 26.7 21.4 32.2



#6
Aniline
Concen: 15.896 ng
RT: 6.692 min Scan# 783
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion: 93 Resp: 143977
Ion Ratio Lower Upper
93 100
66 38.1 30.7 46.1
65 18.2 15.0 22.4





#7

Phenol-d6

Concen: 41.981 ng

RT: 6.645 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

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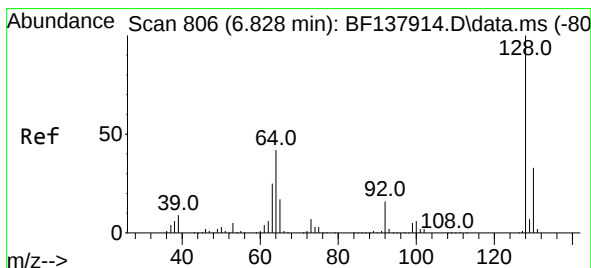
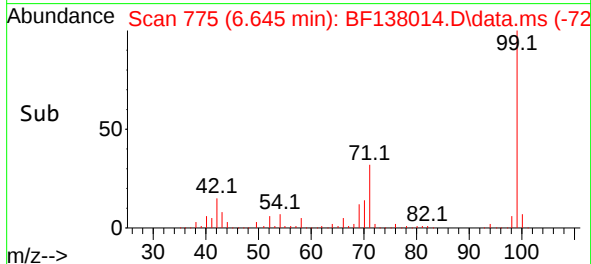
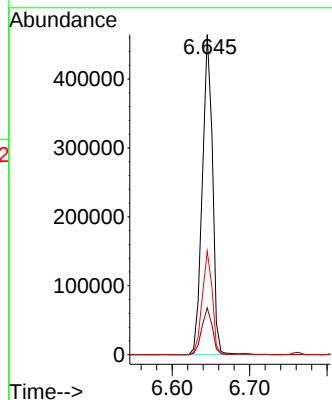
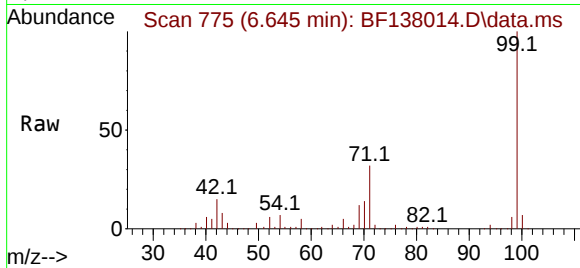
Tgt Ion: 99 Resp: 425120

Ion Ratio Lower Upper

99 100

42 14.6 12.6 18.8

71 32.3 27.1 40.7



#8

2-Chlorophenol

Concen: 21.700 ng

RT: 6.816 min Scan# 804

Delta R.T. -0.012 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

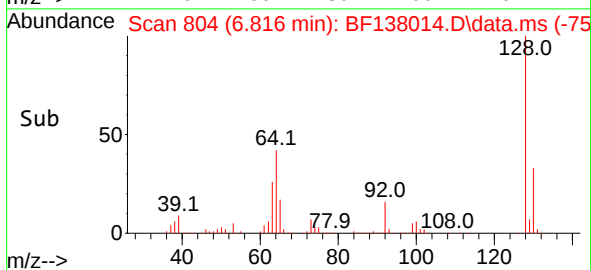
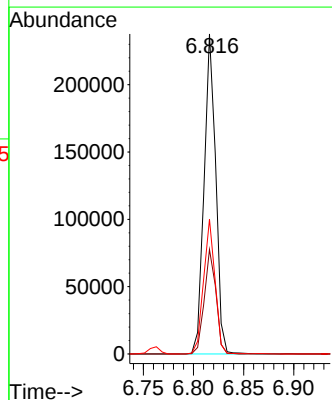
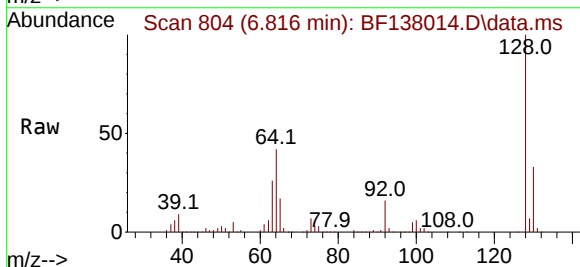
Tgt Ion:128 Resp: 193050

Ion Ratio Lower Upper

128 100

130 32.7 12.8 52.8

64 42.1 22.2 62.2

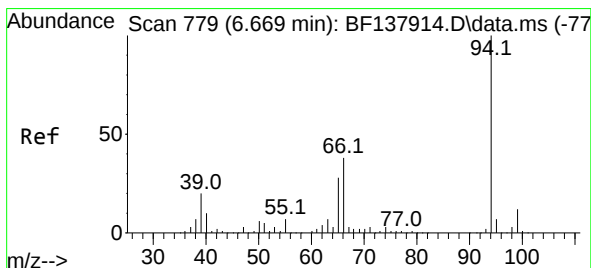
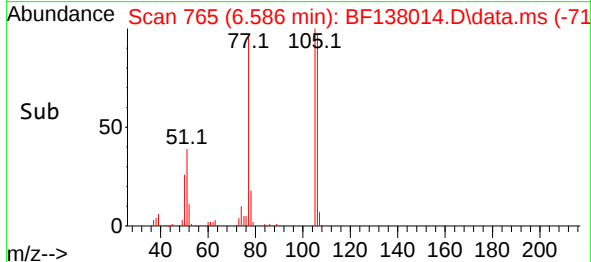
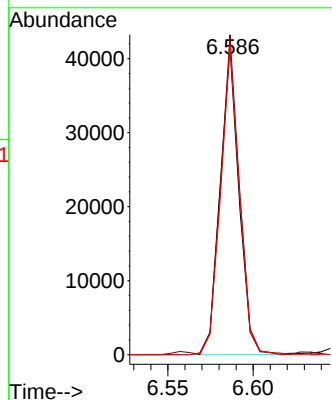
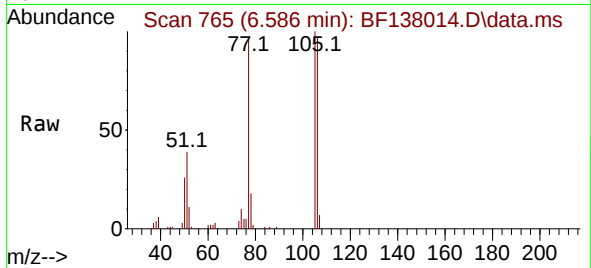




#9
Benzaldehyde
Concen: 5.842 ng
RT: 6.586 min Scan# 765
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

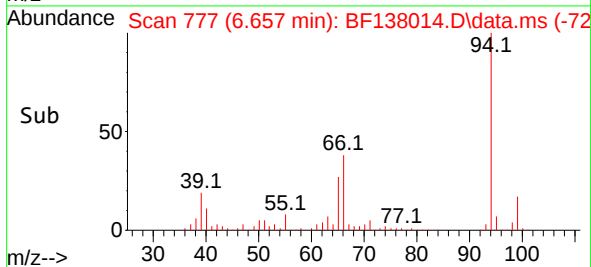
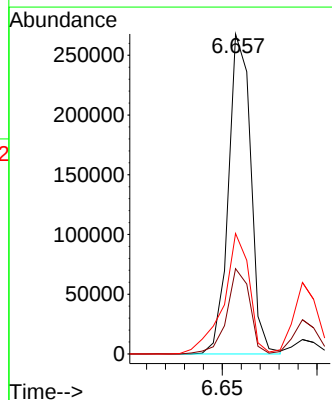
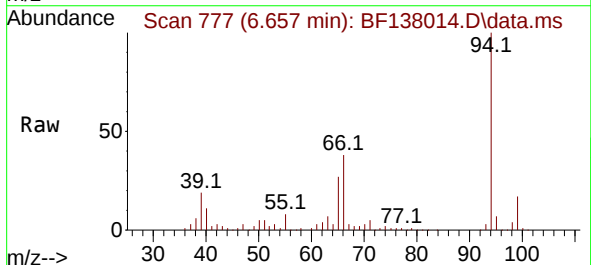
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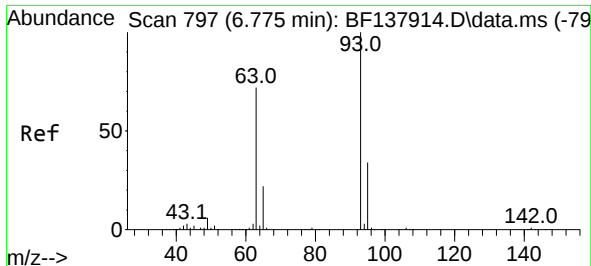
Tgt Ion: 77 Resp: 32006
Ion Ratio Lower Upper
77 100
105 103.9 82.3 122.3
106 100.3 79.2 119.2



#10
Phenol
Concen: 21.471 ng
RT: 6.657 min Scan# 777
Delta R.T. -0.012 min
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Tgt Ion: 94 Resp: 219455
Ion Ratio Lower Upper
94 100
65 26.7 7.8 47.8
66 37.6 18.6 58.6

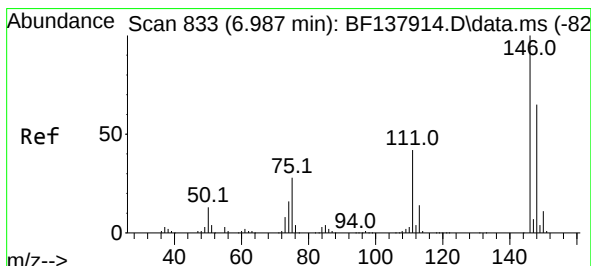
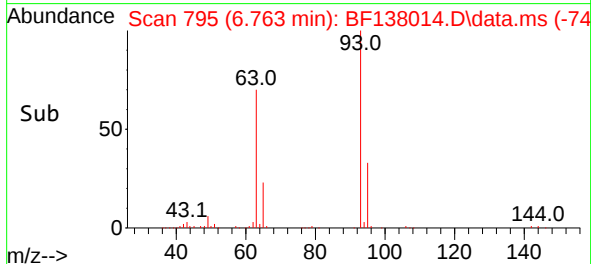
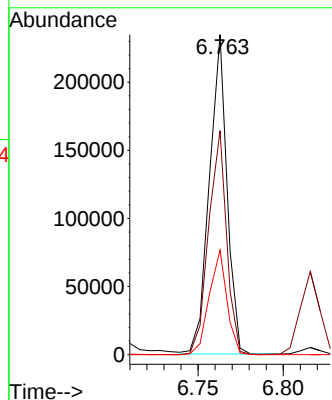
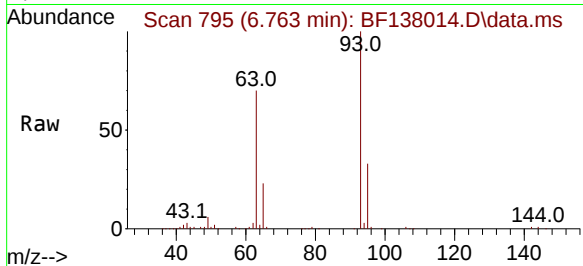




#11
bis(2-Chloroethyl)ether
Concen: 21.510 ng
RT: 6.763 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

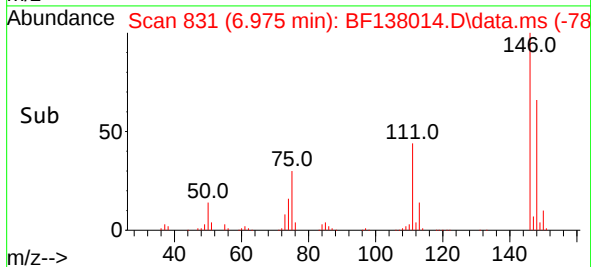
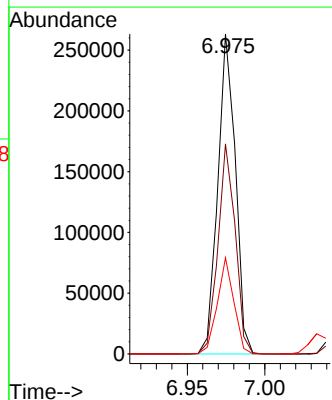
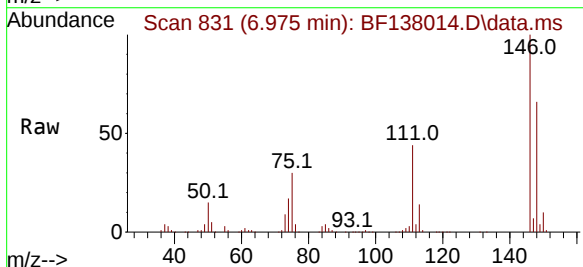
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

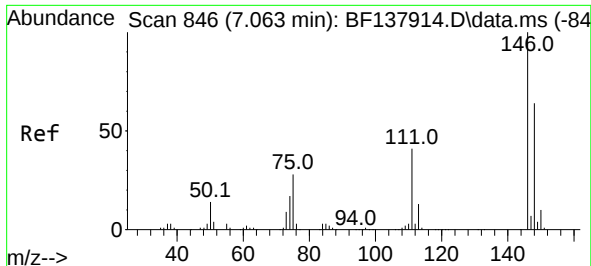
Tgt Ion: 93 Resp: 168809
Ion Ratio Lower Upper
93 100
63 70.0 51.4 91.4
95 32.7 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 20.158 ng
RT: 6.975 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:146 Resp: 207489
Ion Ratio Lower Upper
146 100
148 65.6 51.7 77.5
75 30.1 22.4 33.6

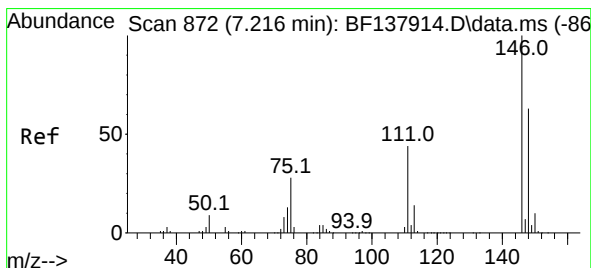
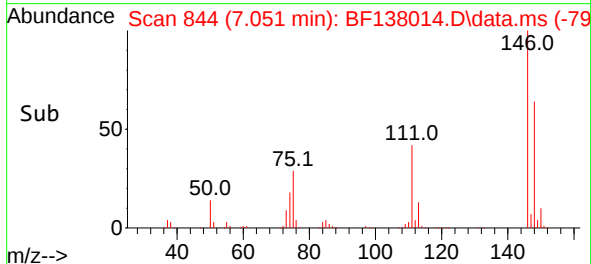
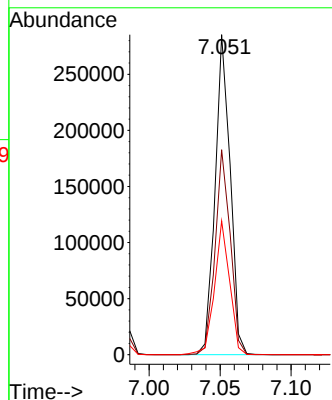
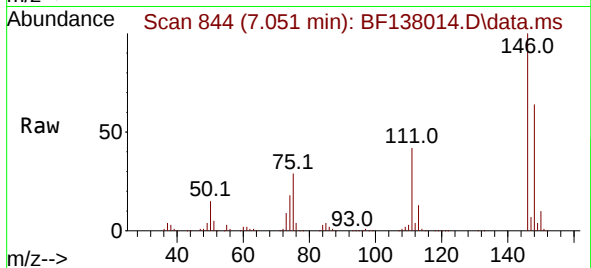




#13
1,4-Dichlorobenzene
Concen: 20.349 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

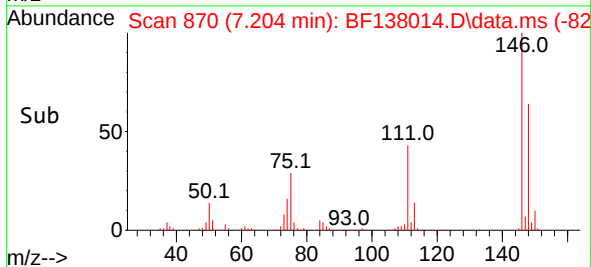
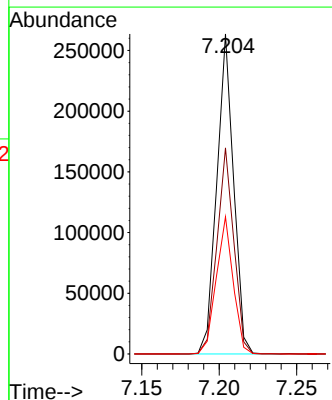
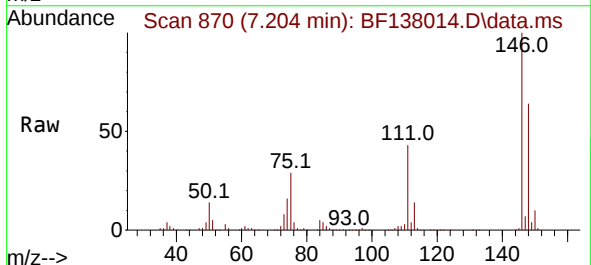
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

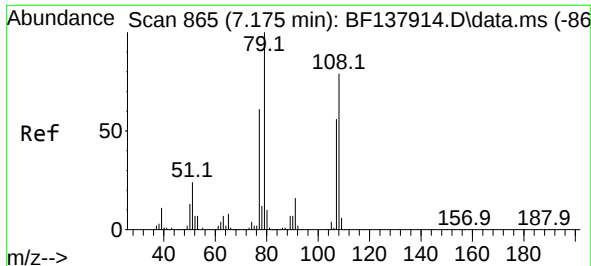
Tgt Ion:146 Resp: 210244
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
111 41.8 32.5 48.7



#14
1,2-Dichlorobenzene
Concen: 20.453 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:146 Resp: 198882
Ion Ratio Lower Upper
146 100
148 64.4 50.2 75.4
111 42.9 35.1 52.7

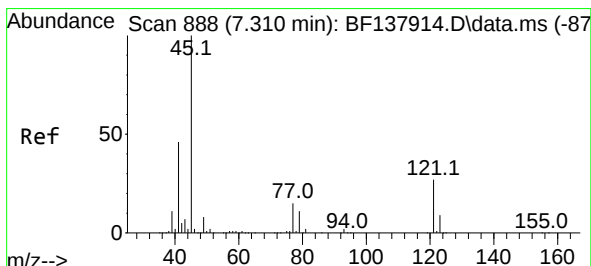
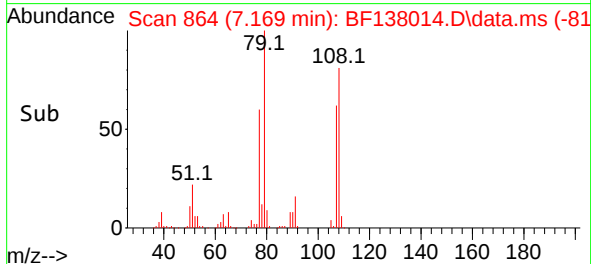
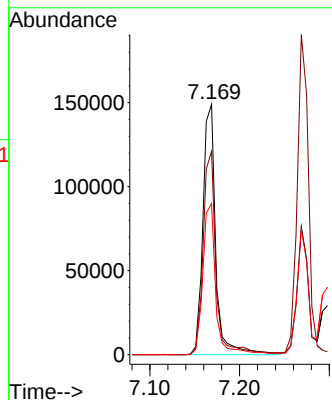
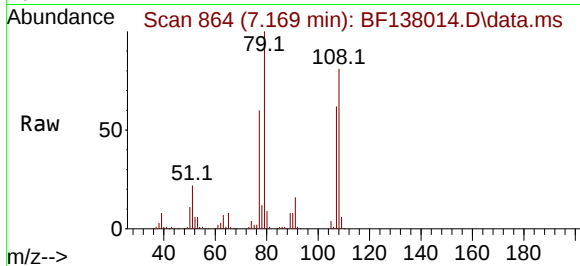




#15
Benzyl Alcohol
Concen: 21.943 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

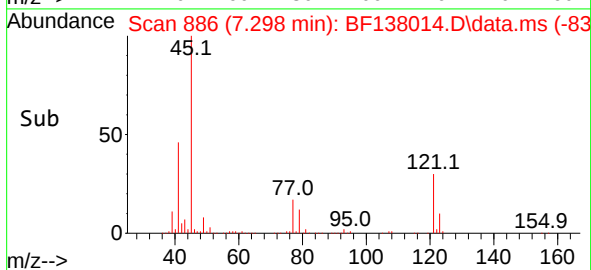
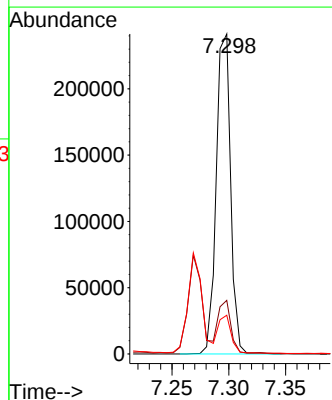
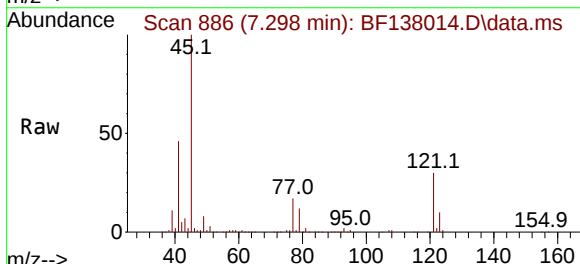
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

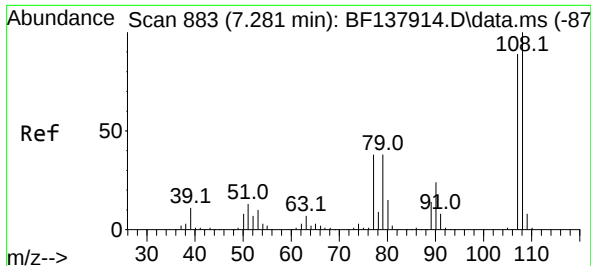
Tgt Ion: 79 Resp: 148378
Ion Ratio Lower Upper
79 100
108 81.2 62.8 94.2
77 60.4 48.7 73.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.048 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion: 45 Resp: 212701
Ion Ratio Lower Upper
45 100
77 16.7 0.0 35.3
79 12.1 0.0 32.1



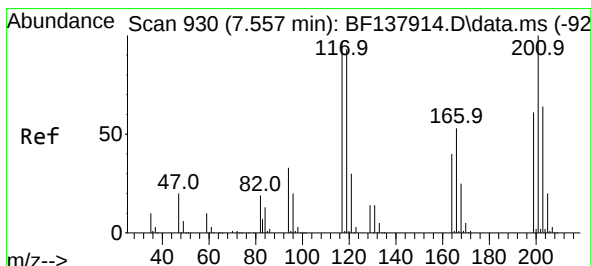
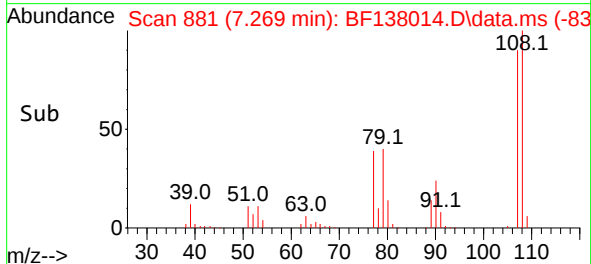
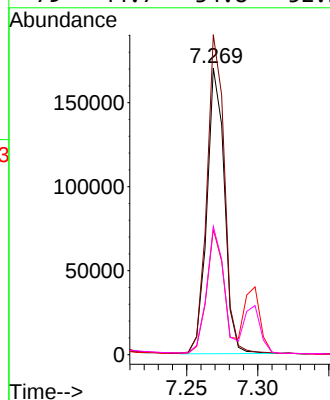
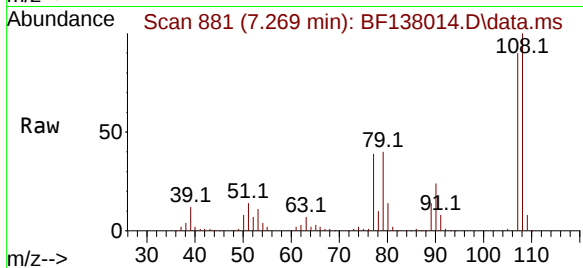


#17
2-Methylphenol
Concen: 20.543 ng
RT: 7.269 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

Tgt Ion:107 Resp: 145746

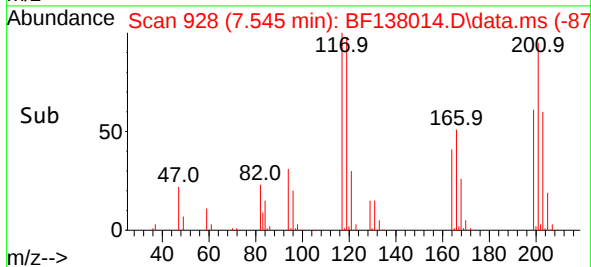
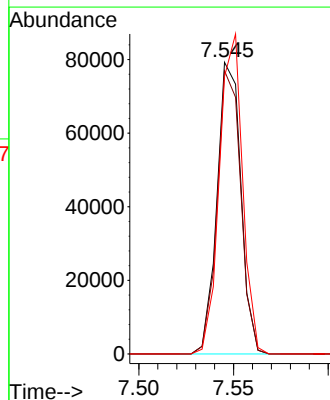
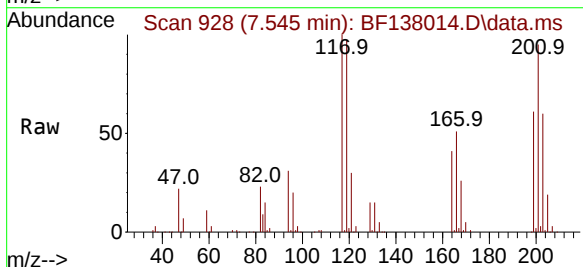
Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.1	135.1
77	43.7	34.3	51.5
79	44.7	34.8	52.2



#18
Hexachloroethane
Concen: 19.871 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:117 Resp: 69471

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2
201	95.1	82.7	124.1



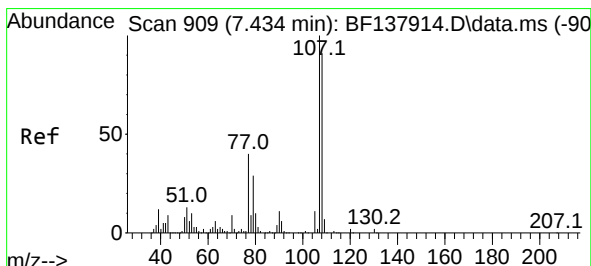
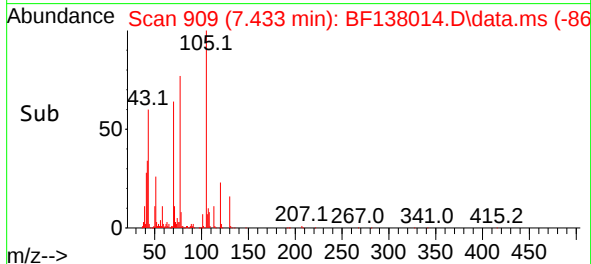
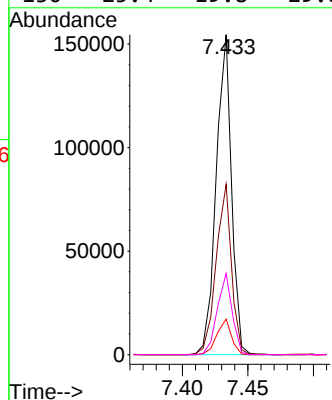
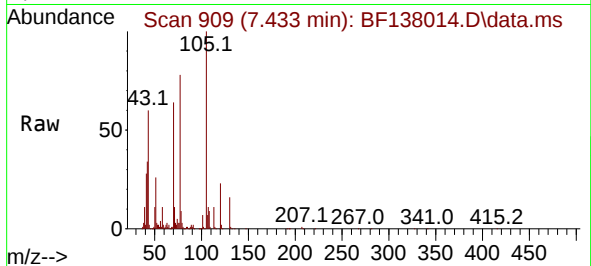


#19
n-Nitroso-di-n-propylamine
Concen: 22.039 ng
RT: 7.433 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

Tgt Ion: 70 Resp: 125386

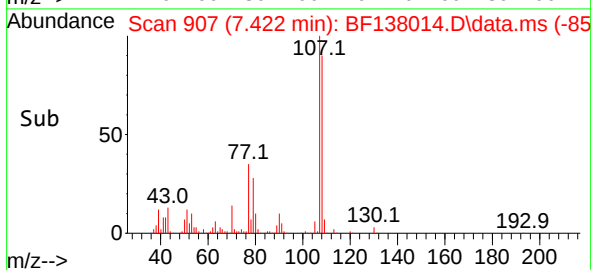
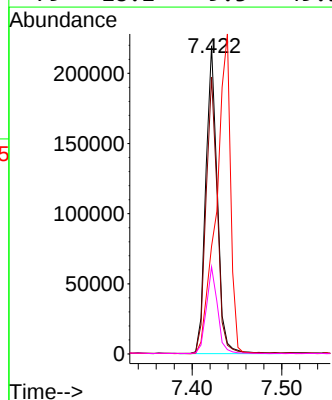
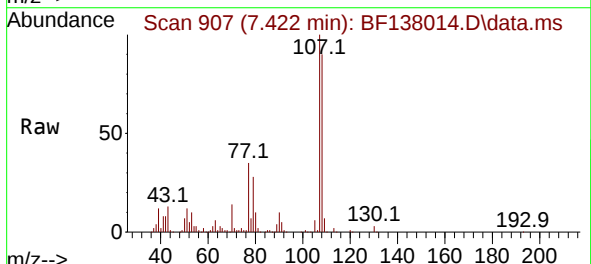
Ion	Ratio	Lower	Upper
70	100		
42	53.2	42.2	63.4
101	11.1	8.8	13.2
130	25.4	19.8	29.8

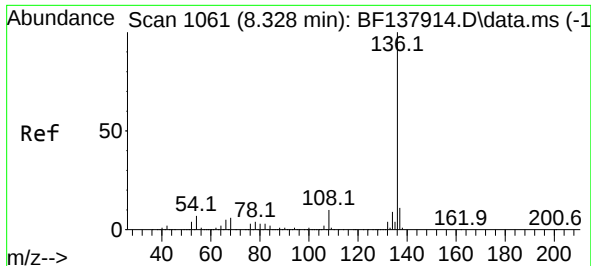


#20
3+4-Methylphenols
Concen: 20.991 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion: 107 Resp: 195099

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.8	110.8
77	35.0	20.2	60.2
79	28.2	9.3	49.3

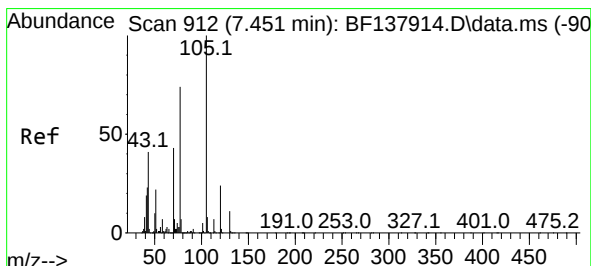
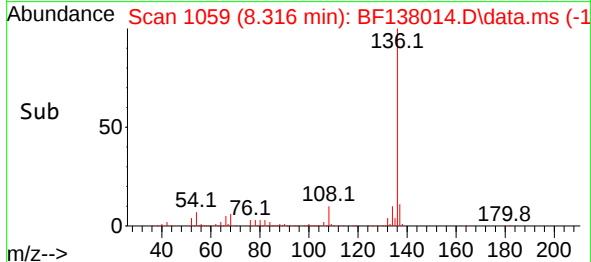
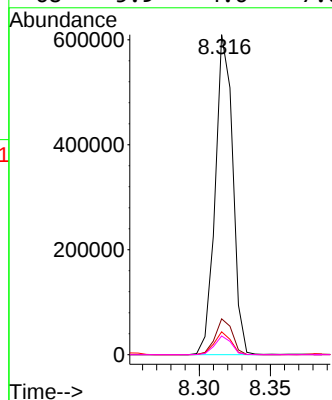
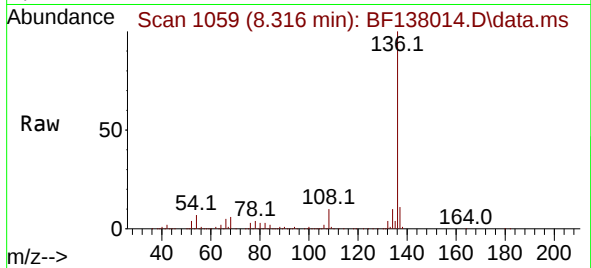




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

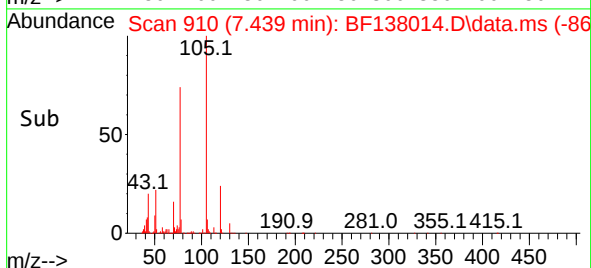
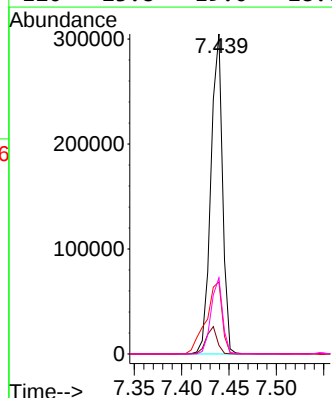
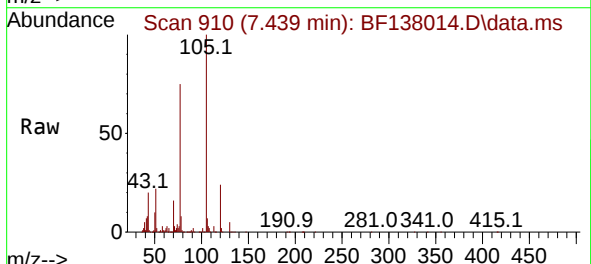
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

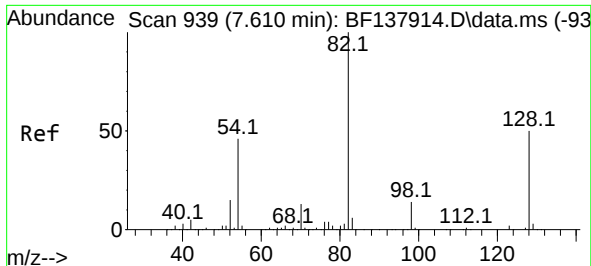
Tgt Ion	136	Resp:	523313
	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.2	5.4	8.2
68	5.9	4.6	7.0



#22
Acetophenone
Concen: 22.199 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt	Ion:105	Resp:	260247
Ion	Ratio	Lower	Upper
105	100		
71	2.7	5.7	8.5#
51	22.5	17.8	26.8
120	23.8	19.0	28.6





#23

Nitrobenzene-d5

Concen: 28.141 ng

RT: 7.592 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

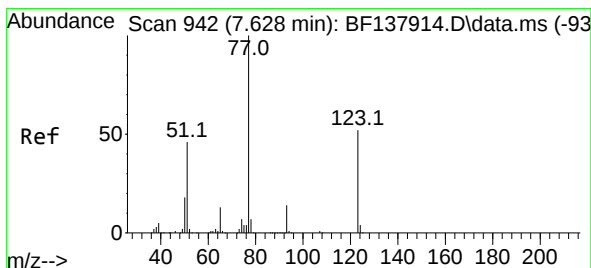
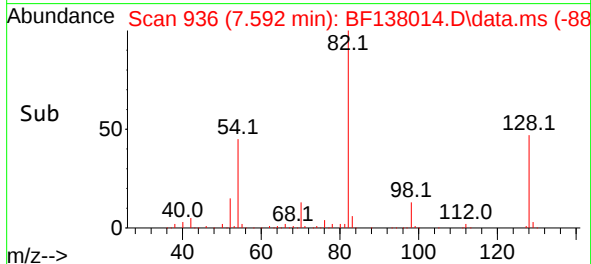
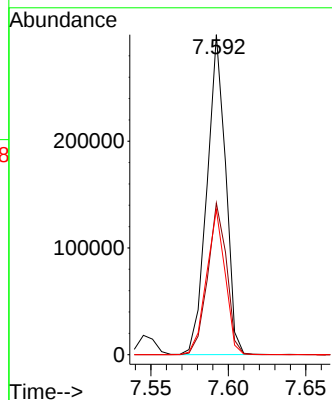
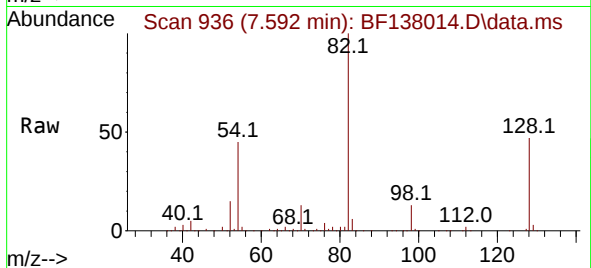
BNA_F

ClientSampleId :

HD-01-05212024MS

Tgt Ion: 82 Resp: 250236

Ion	Ratio	Lower	Upper
82	100		
128	47.4	40.3	60.5
54	45.3	36.8	55.2



#24

Nitrobenzene

Concen: 20.411 ng

RT: 7.610 min Scan# 939

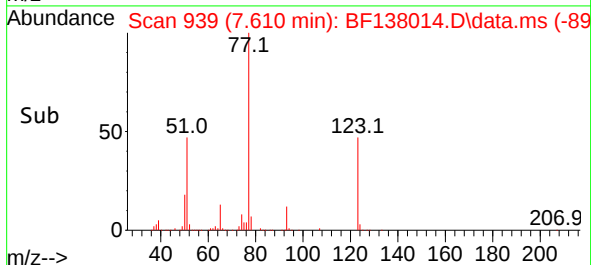
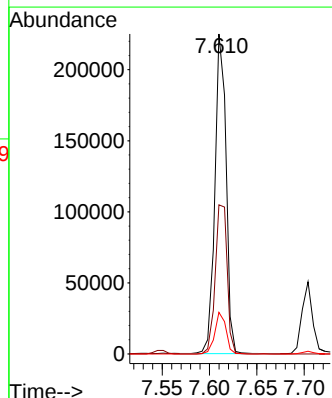
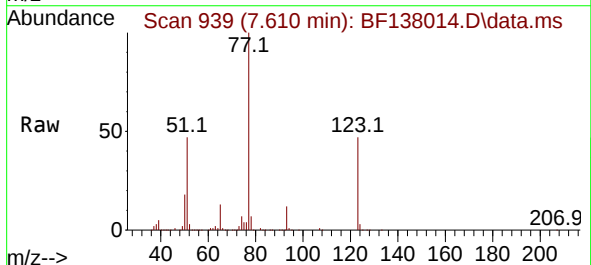
Delta R.T. -0.018 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Tgt Ion: 77 Resp: 184124

Ion	Ratio	Lower	Upper
77	100		
123	46.6	41.4	62.2
65	13.0	10.5	15.7

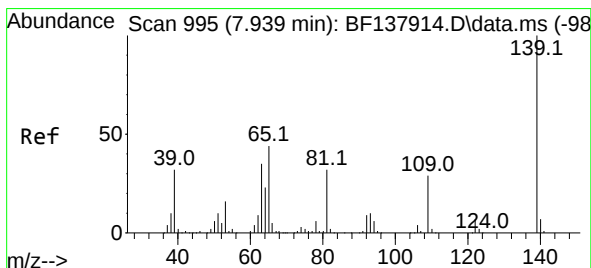
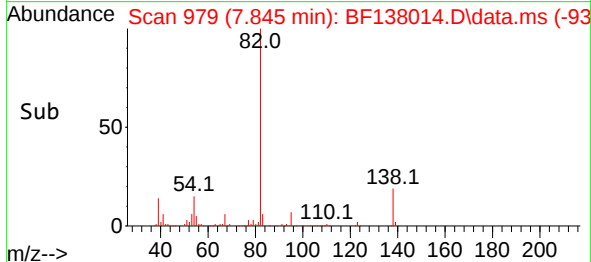
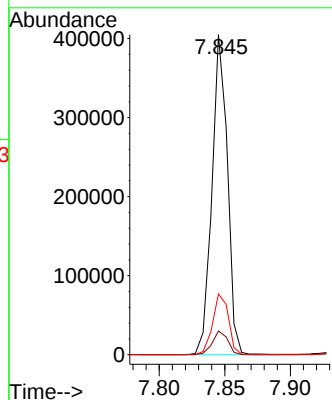
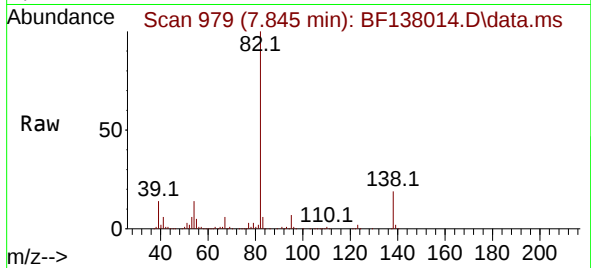




#25
Isophorone
Concen: 21.518 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

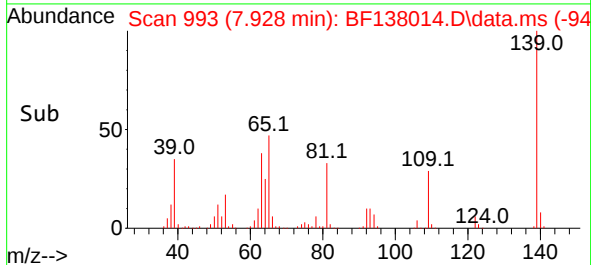
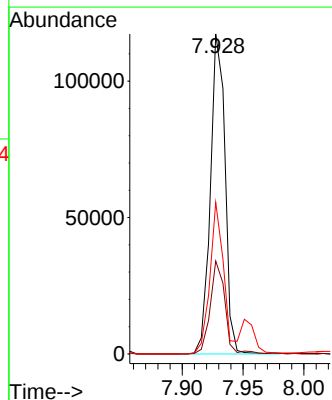
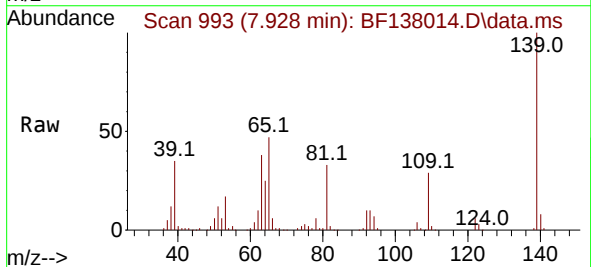
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

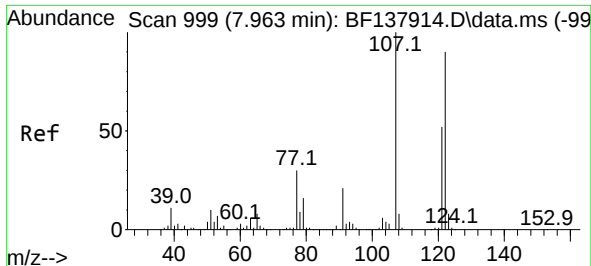
Tgt Ion: 82 Resp: 332089
Ion Ratio Lower Upper
82 100
95 7.4 6.0 9.0
138 19.0 15.0 22.4



#26
2-Nitrophenol
Concen: 21.668 ng
RT: 7.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:139 Resp: 98213
Ion Ratio Lower Upper
139 100
109 29.1 22.8 34.2
65 47.4 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 22.811 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.012 min

Lab File: BF138014.D

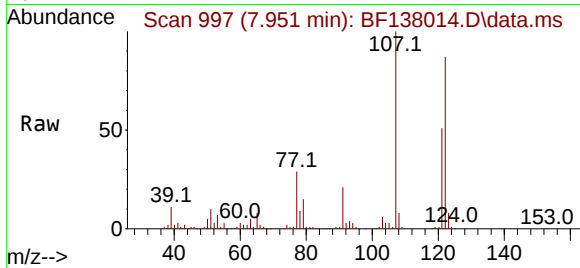
Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS



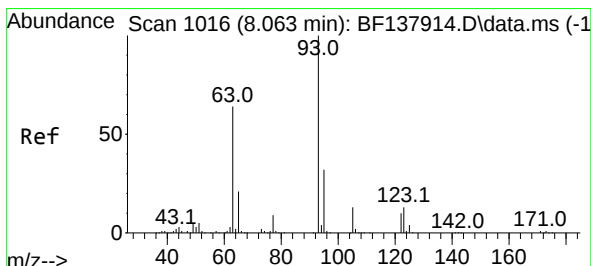
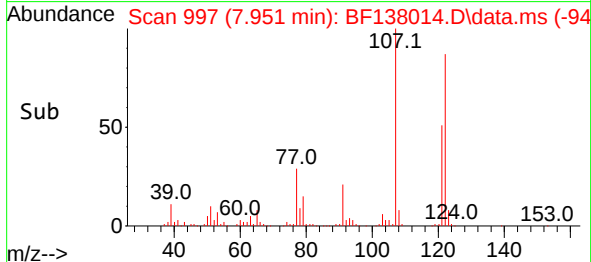
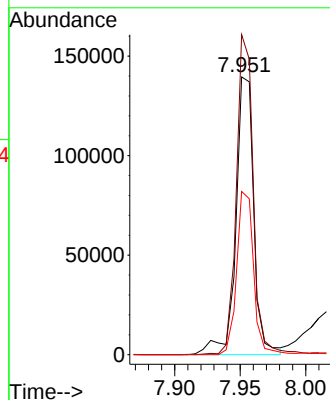
Tgt Ion:122 Resp: 133119

Ion Ratio Lower Upper

122 100

107 115.2 89.0 133.4

121 58.7 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 22.028 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

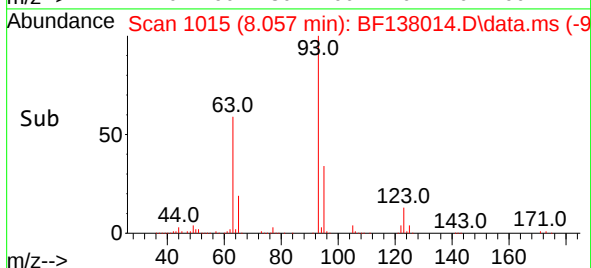
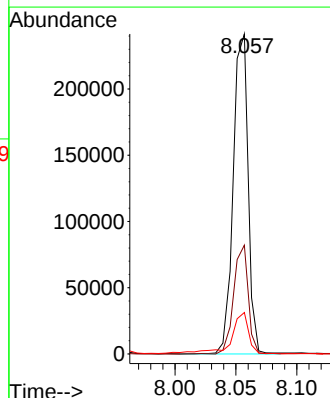
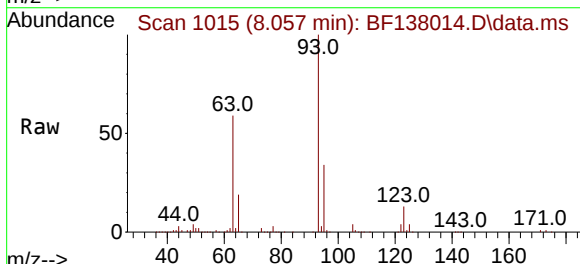
Tgt Ion: 93 Resp: 206043

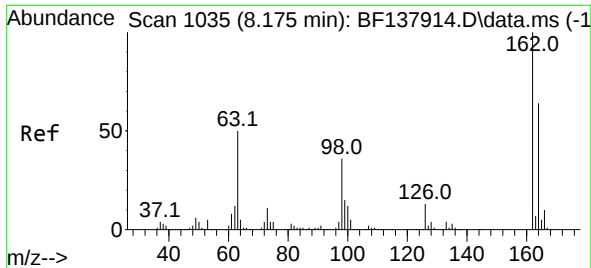
Ion Ratio Lower Upper

93 100

95 34.0 25.9 38.9

123 13.0 10.4 15.6





#29

2,4-Dichlorophenol

Concen: 20.638 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

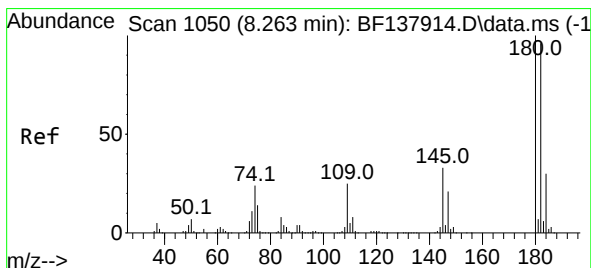
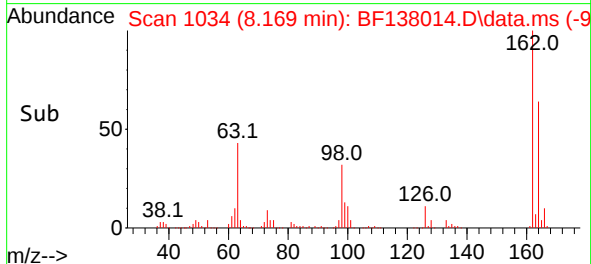
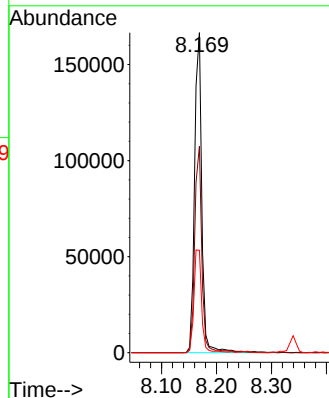
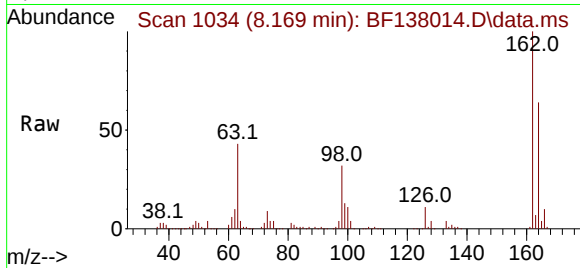
Tgt Ion:162 Resp: 151451

Ion Ratio Lower Upper

162 100

164 64.5 44.3 84.3

98 32.0 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 20.439 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

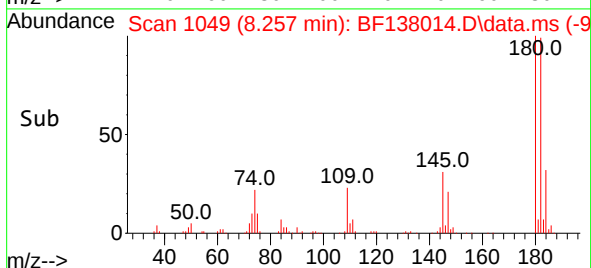
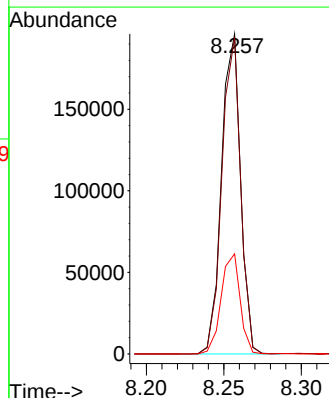
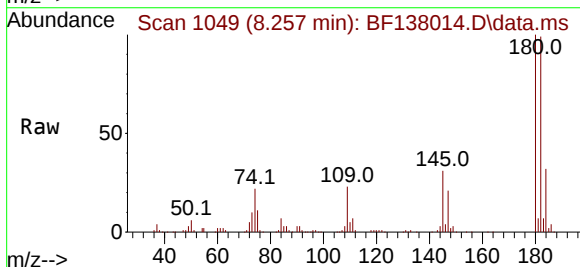
Tgt Ion:180 Resp: 167466

Ion Ratio Lower Upper

180 100

182 99.0 76.5 114.7

145 31.3 26.2 39.2

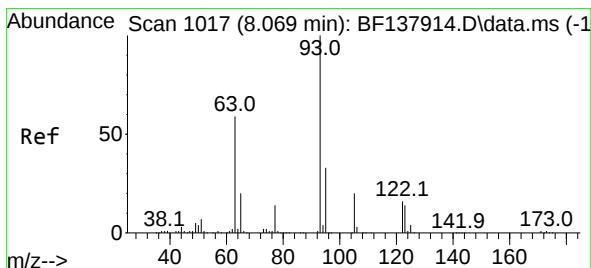
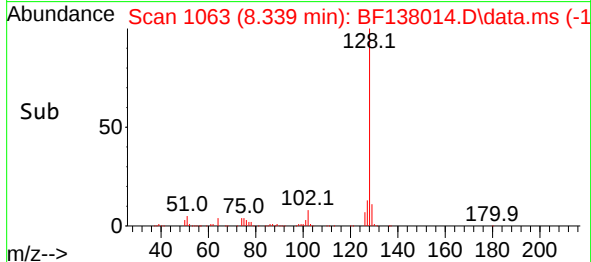
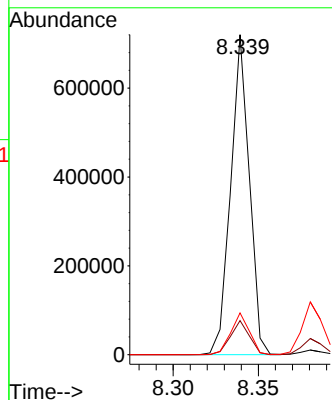
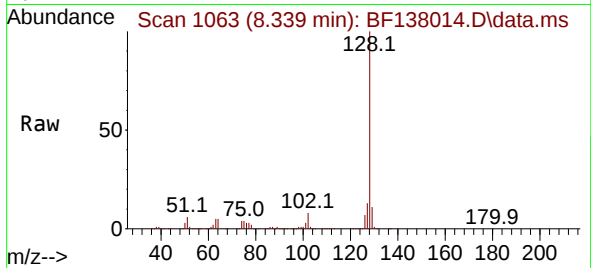




#31
Naphthalene
Concen: 20.887 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

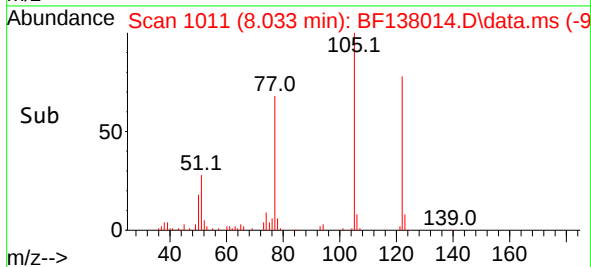
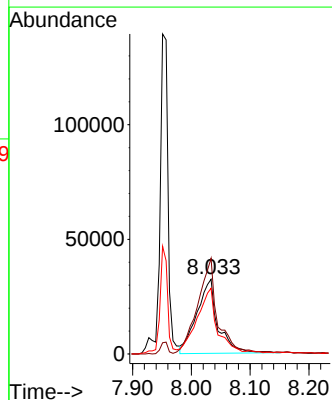
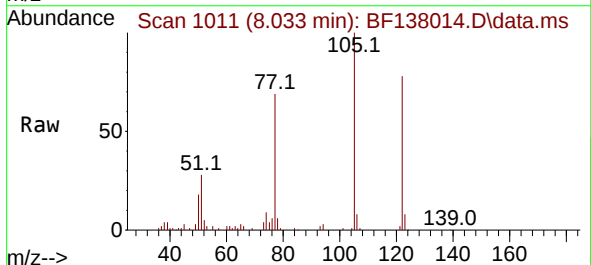
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

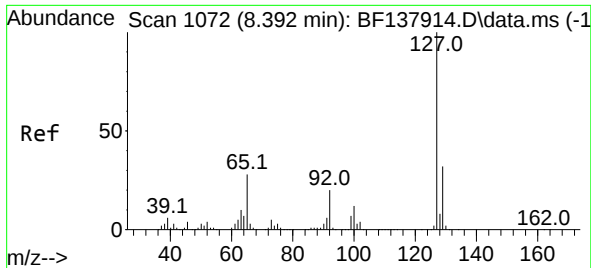
Tgt Ion:128 Resp: 549580
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.0 10.6 16.0



#32
Benzoic acid
Concen: 16.351 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.036 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:122 Resp: 80663
Ion Ratio Lower Upper
122 100
105 128.2 103.8 143.8
77 88.0 68.4 108.4

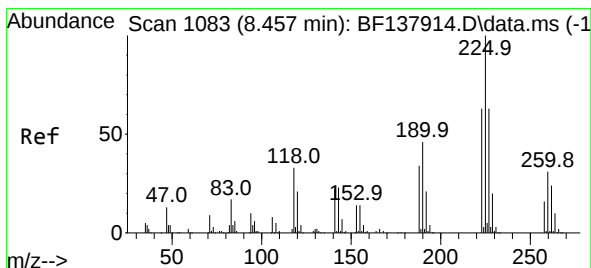
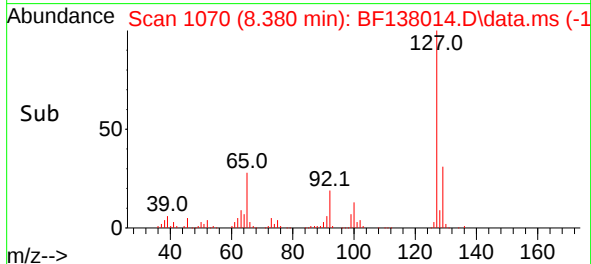
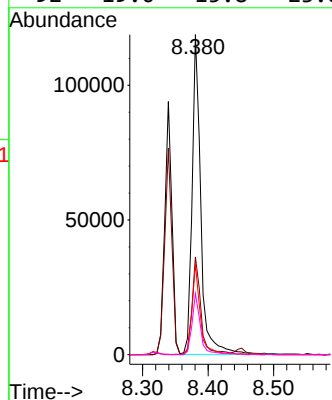
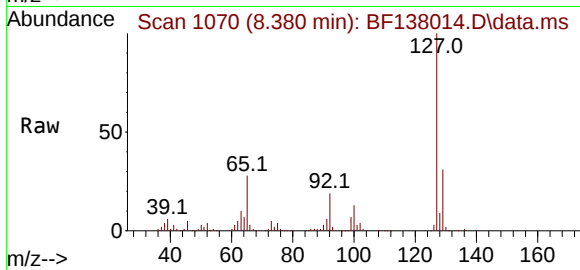




#33
4-Chloroaniline
Concen: 12.784 ng
RT: 8.380 min Scan# 110273
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

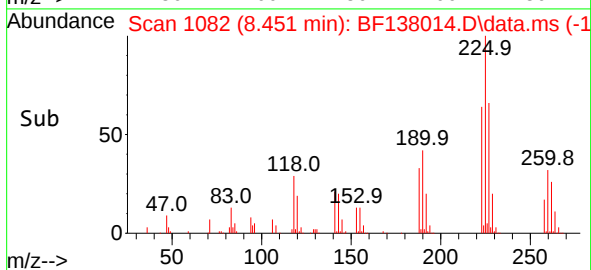
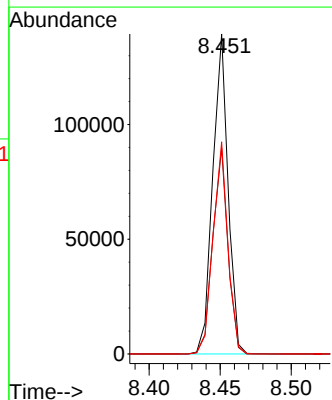
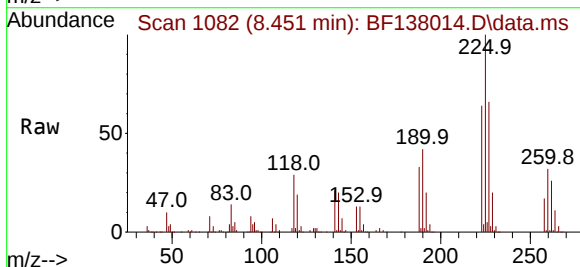
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

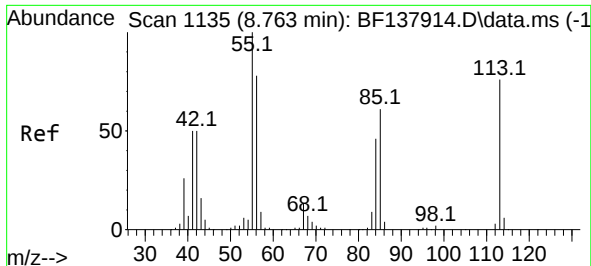
Tgt Ion:	127	Resp:	110273
Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.4	38.2
65	28.4	22.0	33.0
92	19.0	15.8	23.8



#34
Hexachlorobutadiene
Concen: 20.144 ng
RT: 8.451 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:	225	Resp:	104471
Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.0	75.0
227	66.3	50.2	75.4

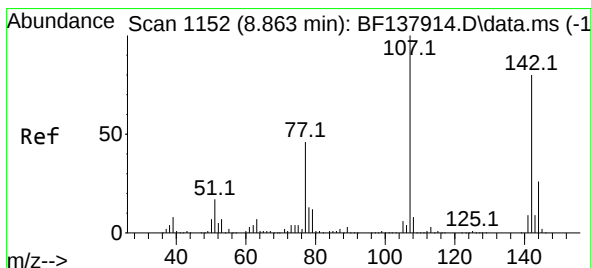
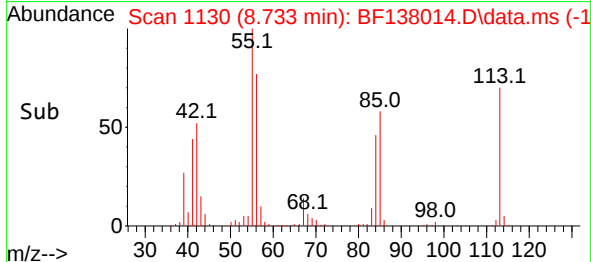
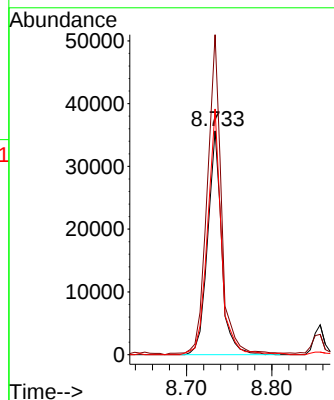
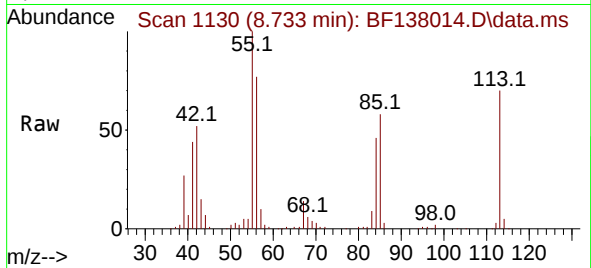




#35
 Caprolactam
 Concen: 18.980 ng
 RT: 8.733 min Scan# 1135
 Delta R.T. -0.030 min
 Lab File: BF138014.D
 Acq: 22 May 2024 19:55

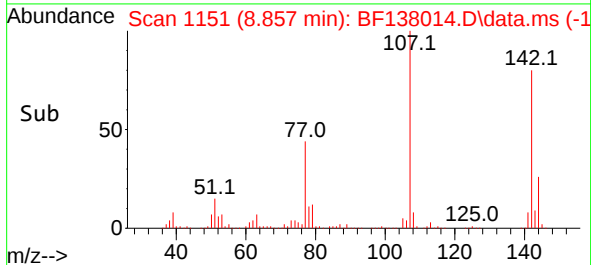
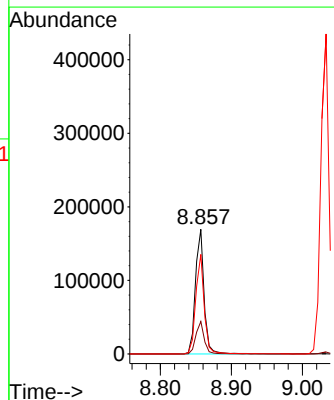
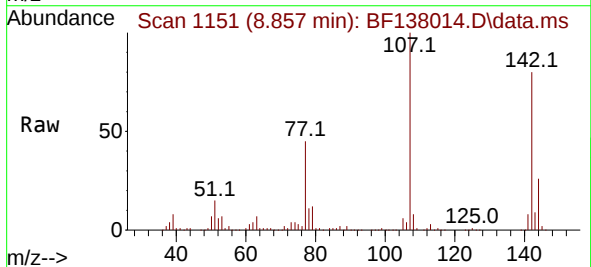
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-05212024MS

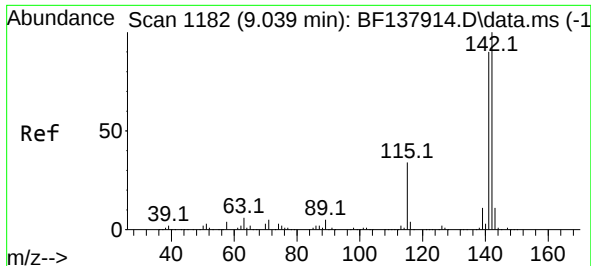
Tgt Ion:113 Resp: 40353
 Ion Ratio Lower Upper
 113 100
 55 143.0 112.3 152.3
 56 109.8 82.7 122.7



#36
 4-Chloro-3-methylphenol
 Concen: 19.264 ng
 RT: 8.857 min Scan# 1151
 Delta R.T. -0.006 min
 Lab File: BF138014.D
 Acq: 22 May 2024 19:55

Tgt Ion:107 Resp: 143806
 Ion Ratio Lower Upper
 107 100
 144 26.0 20.7 31.1
 142 79.9 64.0 96.0





#37

2-Methylnaphthalene

Concen: 20.647 ng

RT: 9.033 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

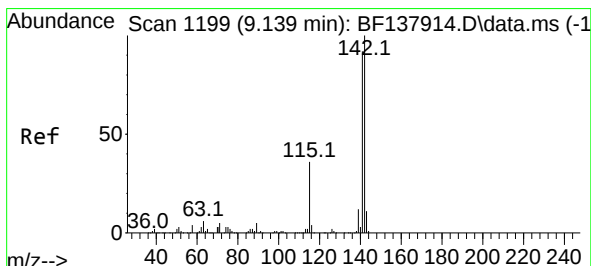
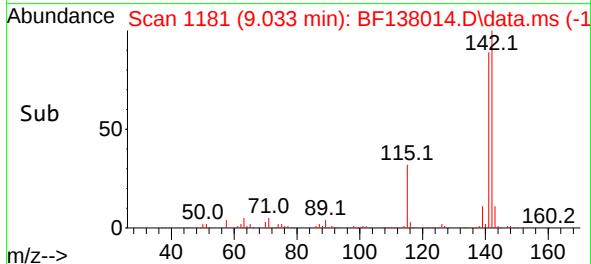
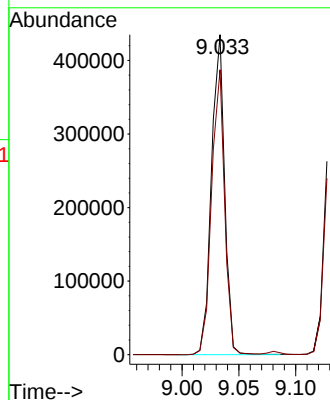
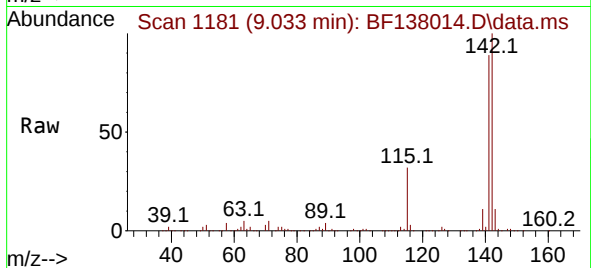
HD-01-05212024MS

Tgt Ion:142 Resp: 349211

Ion Ratio Lower Upper

142 100

141 89.0 72.0 108.0



#38

1-Methylnaphthalene

Concen: 18.946 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF138014.D

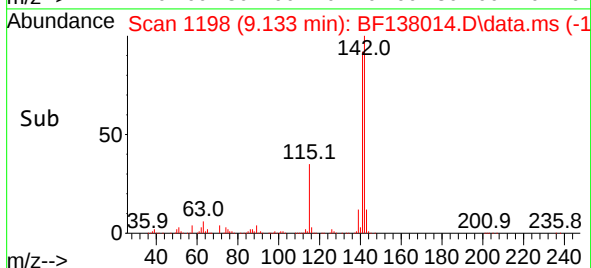
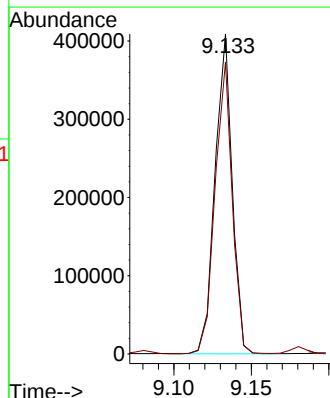
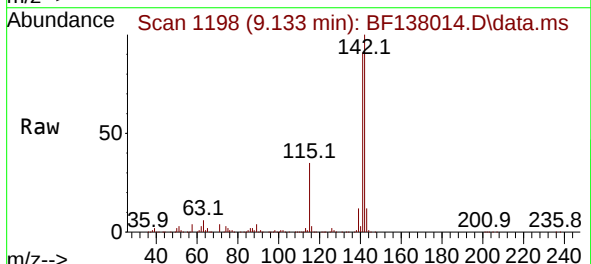
Acq: 22 May 2024 19:55

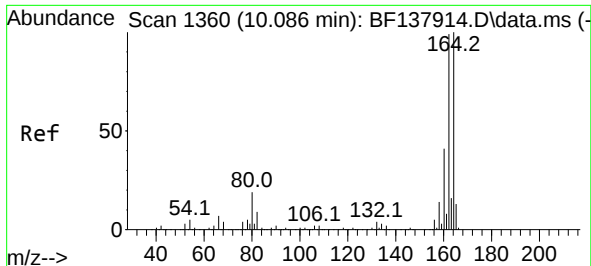
Tgt Ion:142 Resp: 315034

Ion Ratio Lower Upper

142 100

141 91.2 73.7 110.5

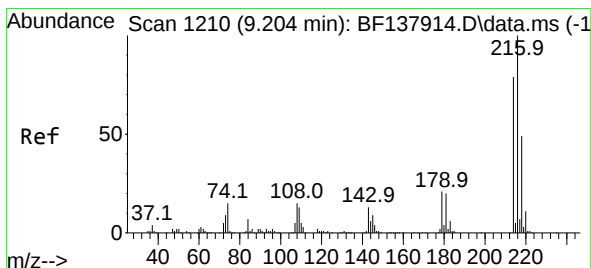
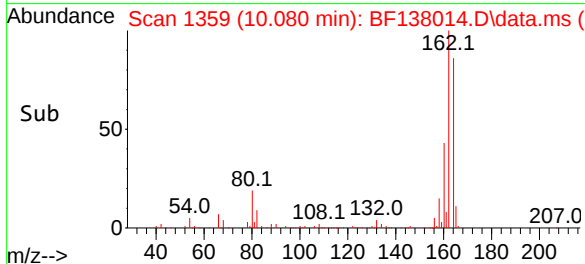
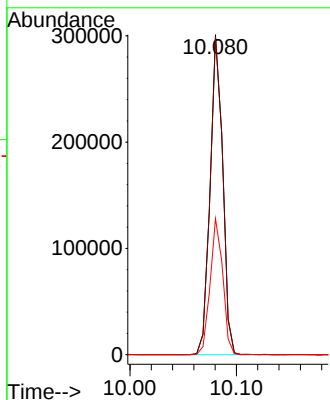
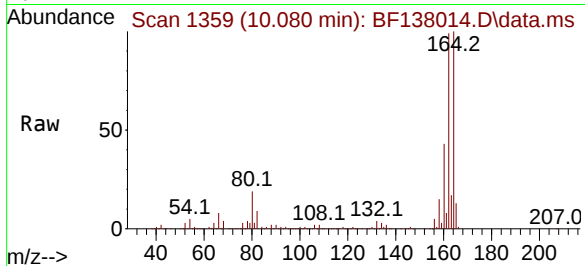




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

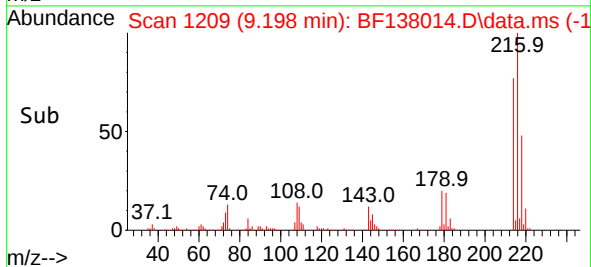
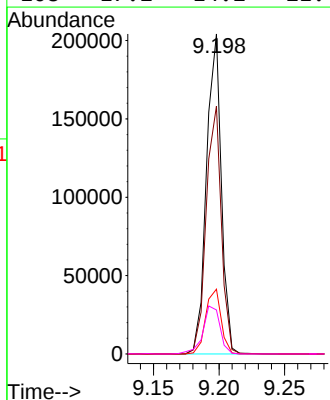
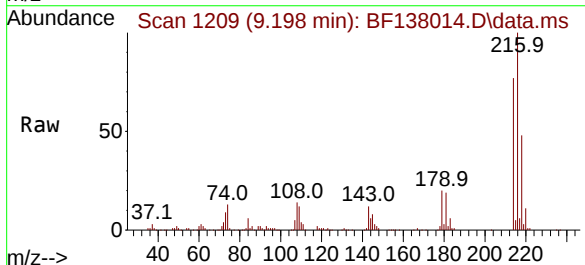
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

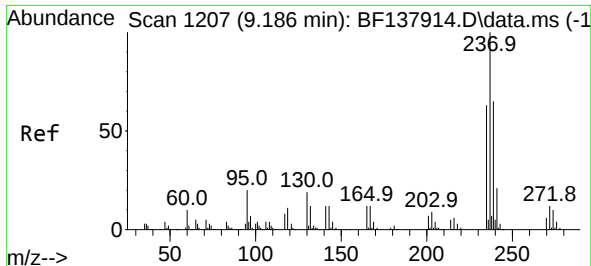
Tgt Ion:164 Resp: 246560
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 42.5 33.1 49.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 24.009 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:216 Resp: 160932
Ion Ratio Lower Upper
216 100
214 78.9 63.4 95.2
179 21.0 17.0 25.4
108 17.2 14.2 21.4

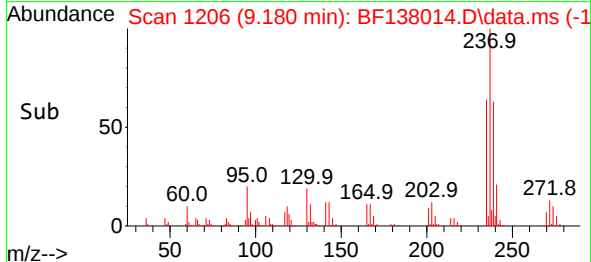
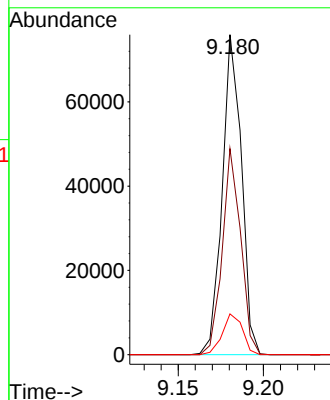
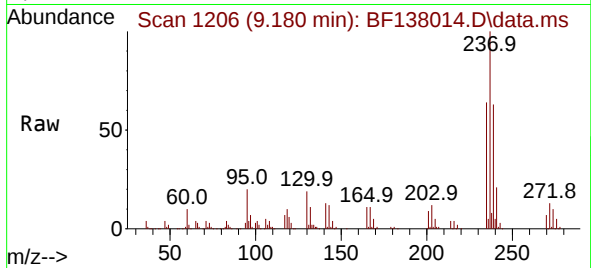




#41
Hexachlorocyclopentadiene
Concen: 23.367 ng
RT: 9.180 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

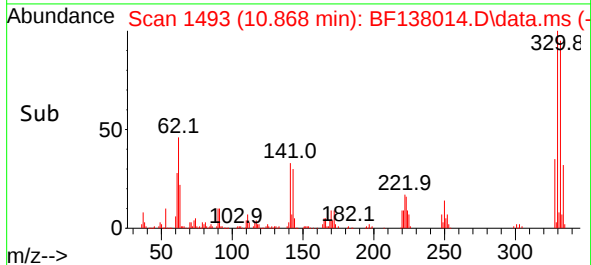
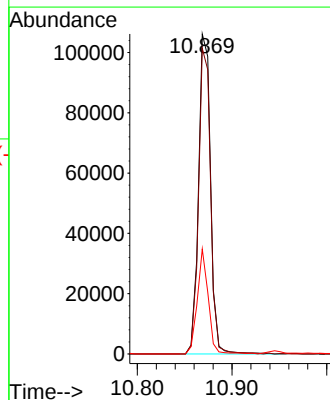
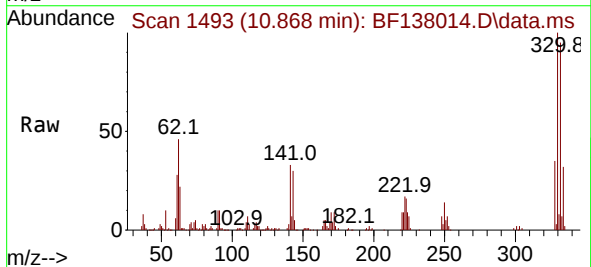
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

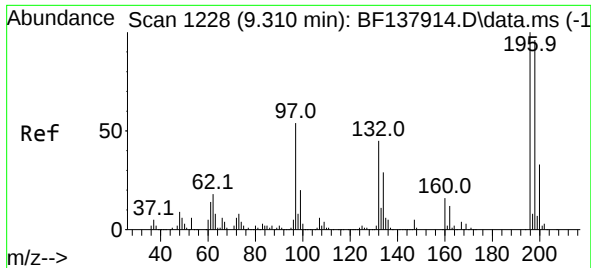
Tgt Ion:237 Resp: 59515
Ion Ratio Lower Upper
237 100
235 64.4 42.8 82.8
272 12.8 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 37.822 ng
RT: 10.868 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:330 Resp: 94029
Ion Ratio Lower Upper
330 100
332 95.2 75.8 113.8
141 29.9 23.8 35.6





#43

2,4,6-Trichlorophenol

Concen: 22.642 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

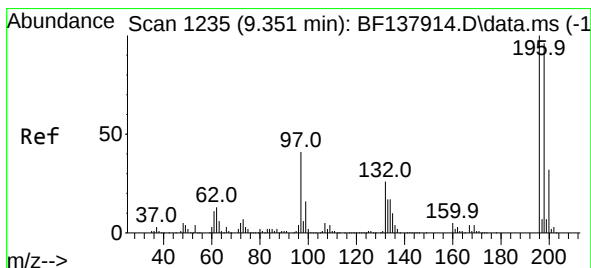
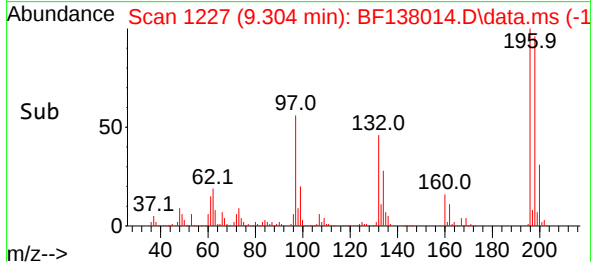
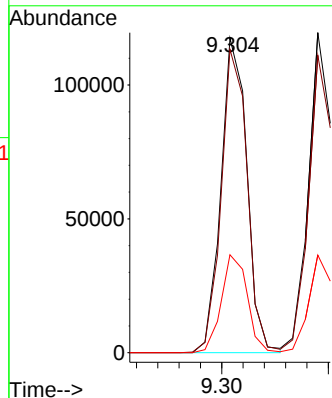
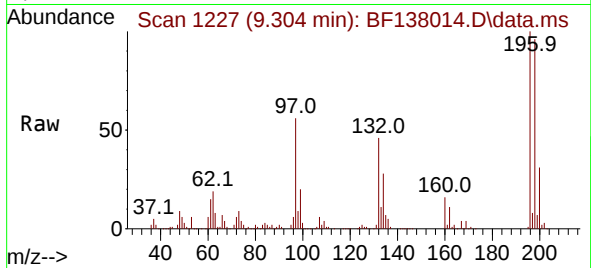
Tgt Ion:196 Resp: 99510

Ion Ratio Lower Upper

196 100

198 96.4 77.0 115.4

200 31.1 26.2 39.2



#44

2,4,5-Trichlorophenol

Concen: 20.547 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Tgt Ion:196 Resp: 98806

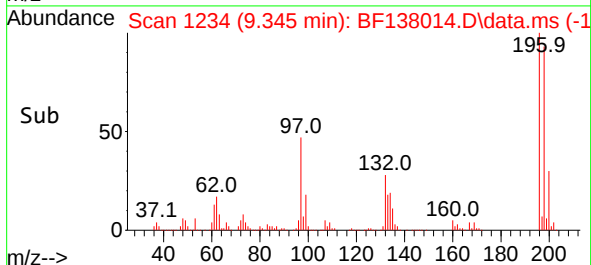
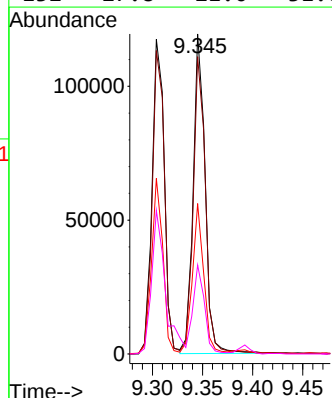
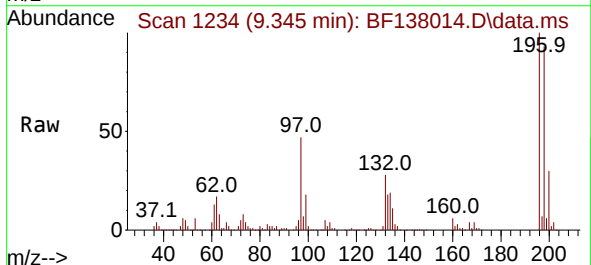
Ion Ratio Lower Upper

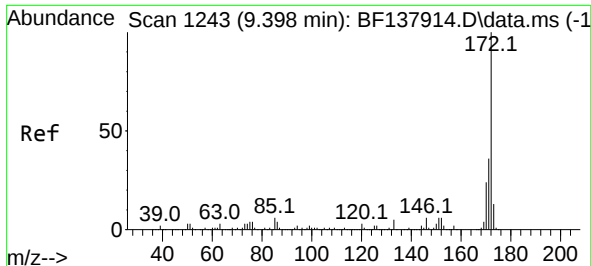
196 100

198 92.9 77.4 116.0

97 47.0 32.9 49.3

132 27.8 21.0 31.6

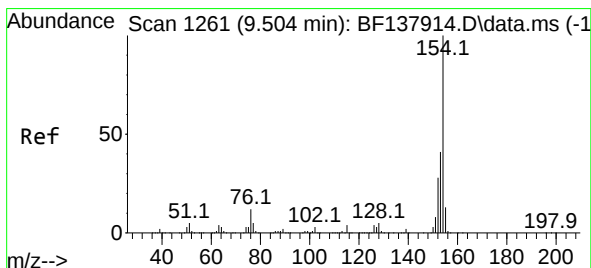
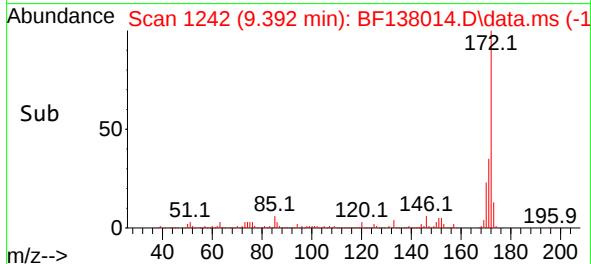
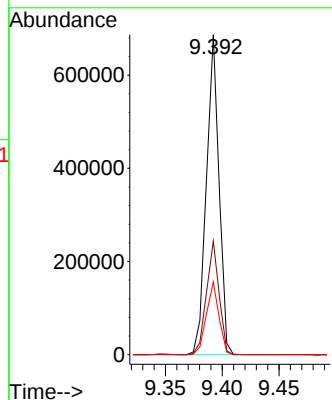
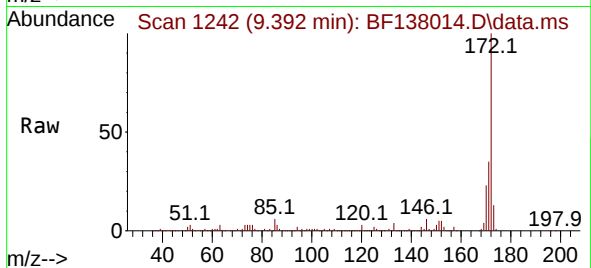




#45
2-Fluorobiphenyl
Concen: 32.965 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

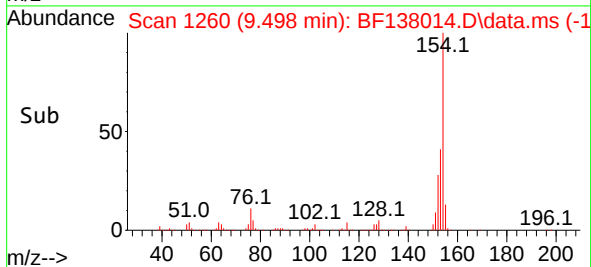
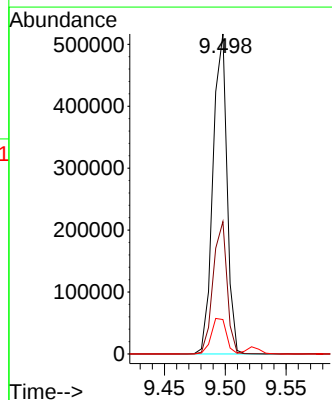
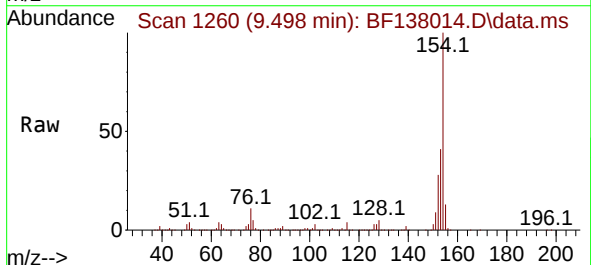
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

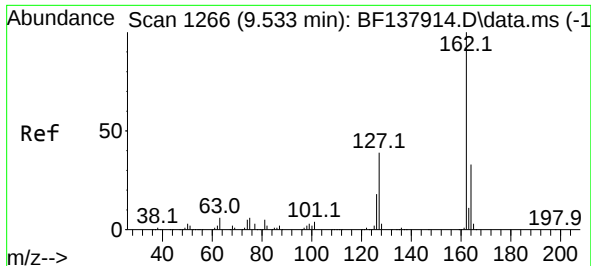
Tgt Ion:172 Resp: 527643
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 22.7 18.9 28.3



#46
1,1'-Biphenyl
Concen: 23.895 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:154 Resp: 413233
Ion Ratio Lower Upper
154 100
153 41.3 21.3 61.3
76 10.7 0.0 31.9





#47

2-Chloronaphthalene

Concen: 22.062 ng

RT: 9.522 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

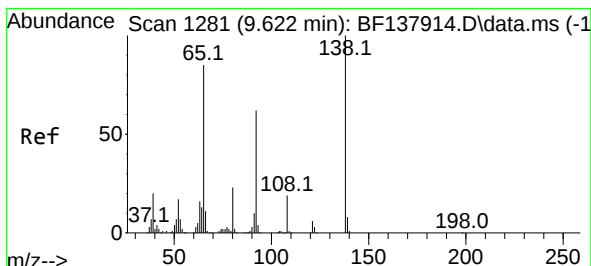
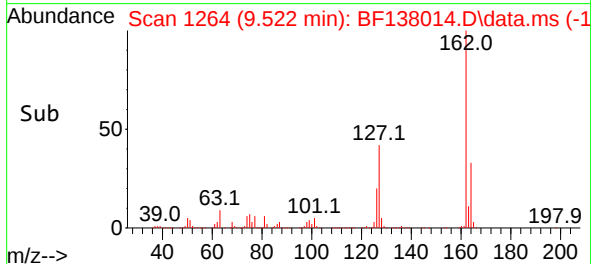
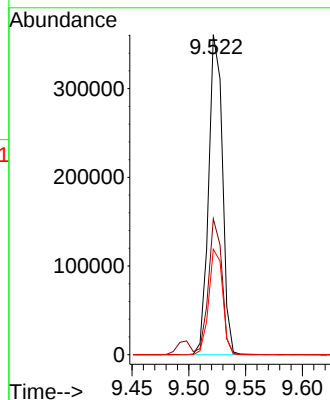
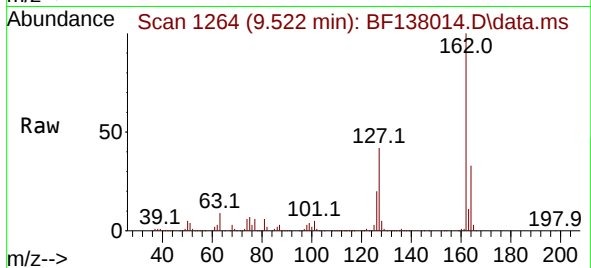
Tgt Ion:162 Resp: 304559

Ion Ratio Lower Upper

162 100

127 42.4 32.0 48.0

164 33.0 26.2 39.4



#48

2-Nitroaniline

Concen: 21.420 ng

RT: 9.616 min Scan# 1280

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

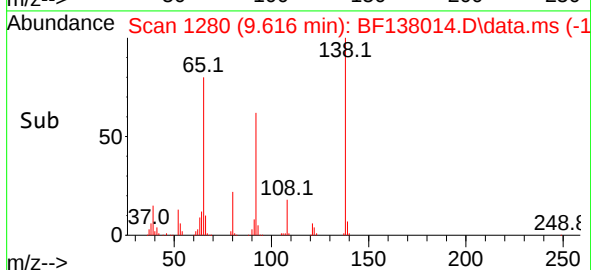
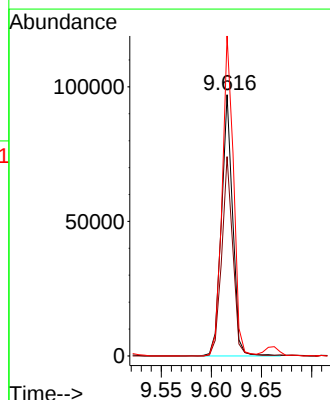
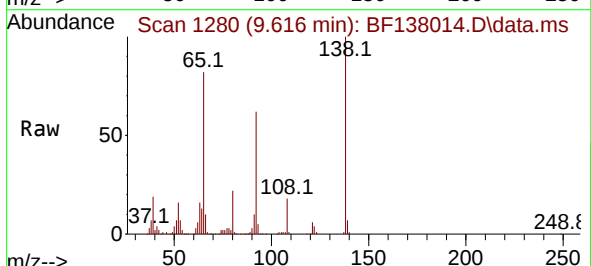
Tgt Ion: 65 Resp: 75719

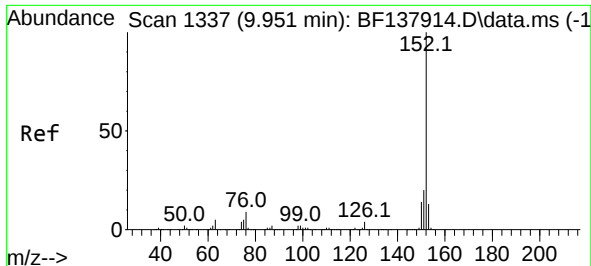
Ion Ratio Lower Upper

65 100

92 76.3 58.6 88.0

138 122.4 94.1 141.1





#49

Acenaphthylene

Concen: 23.437 ng

RT: 9.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

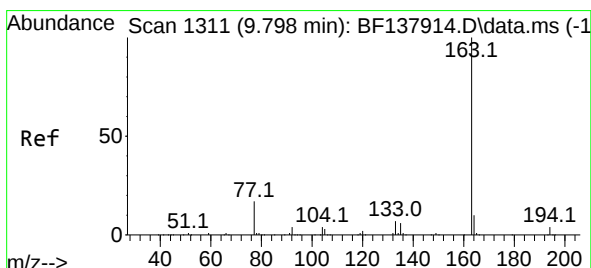
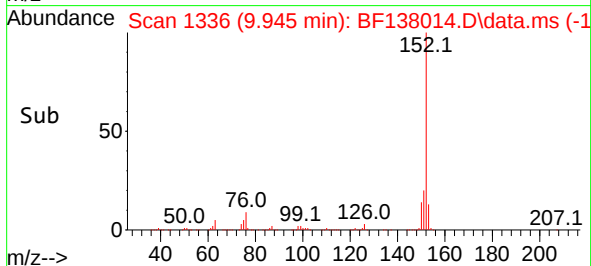
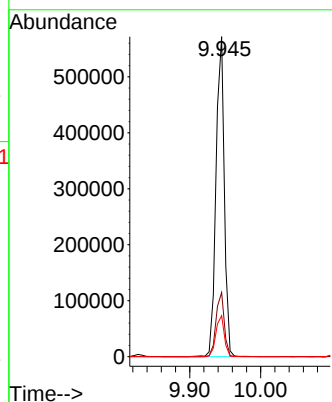
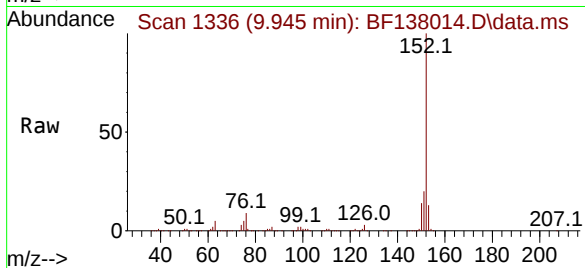
Tgt Ion:152 Resp: 465213

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

153 12.8 10.2 15.4



#50

Dimethylphthalate

Concen: 23.728 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.012 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

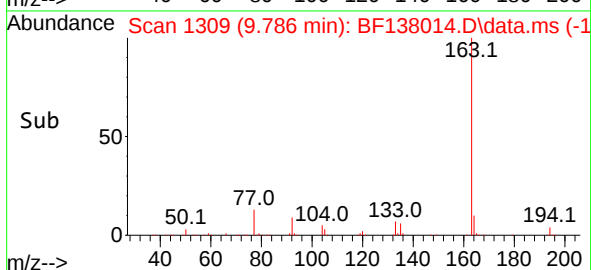
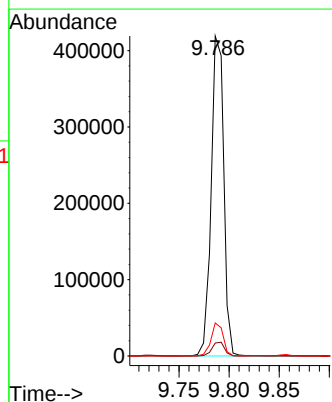
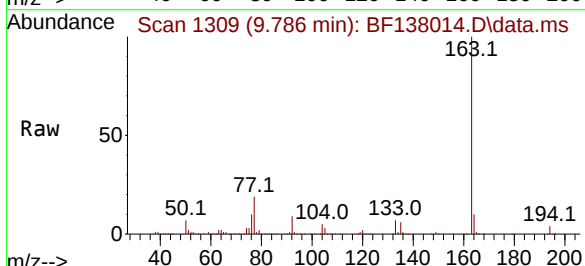
Tgt Ion:163 Resp: 366857

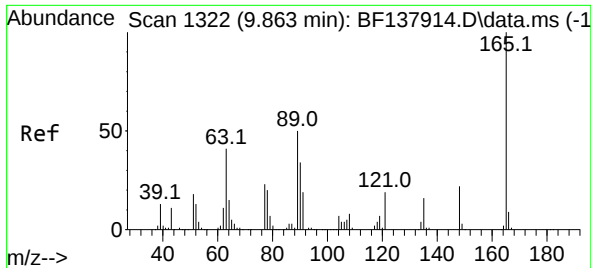
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.3 8.0 12.0

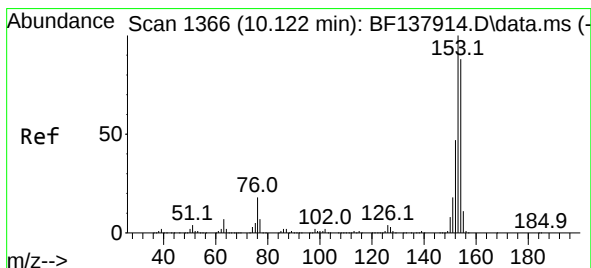
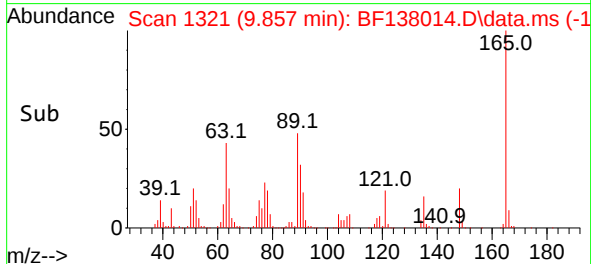
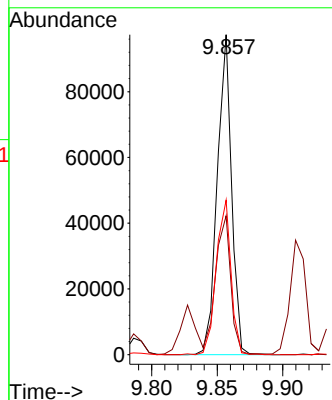
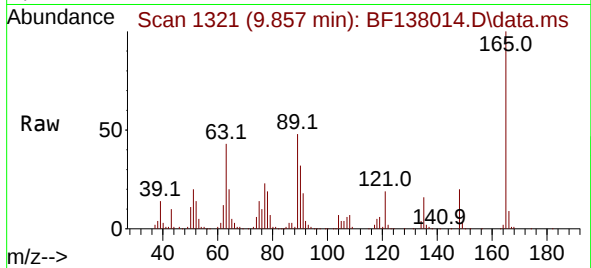




#51
2,6-Dinitrotoluene
Concen: 20.766 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

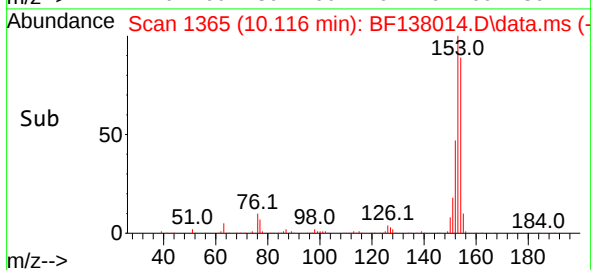
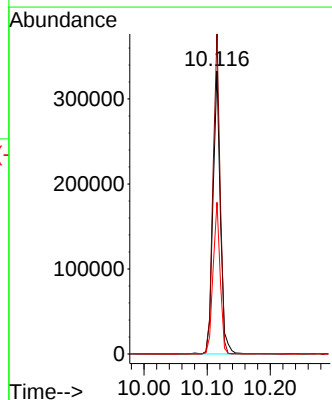
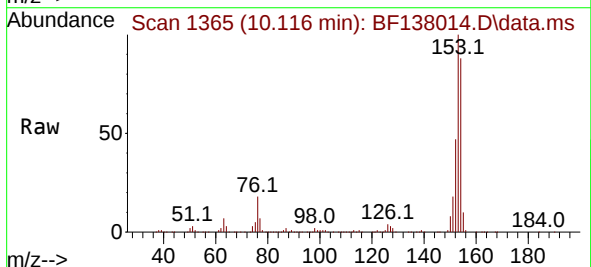
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

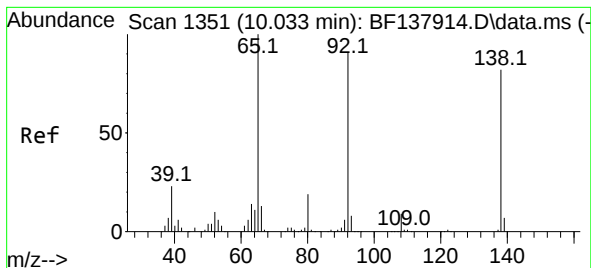
Tgt Ion:165 Resp: 73690
Ion Ratio Lower Upper
165 100
63 43.4 38.9 58.3
89 48.3 40.4 60.6



#52
Acenaphthene
Concen: 20.790 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:154 Resp: 272746
Ion Ratio Lower Upper
154 100
153 113.1 90.4 135.6
152 53.6 42.3 63.5





#53

3-Nitroaniline

Concen: 16.609 ng

RT: 10.027 min Scan# 1350

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

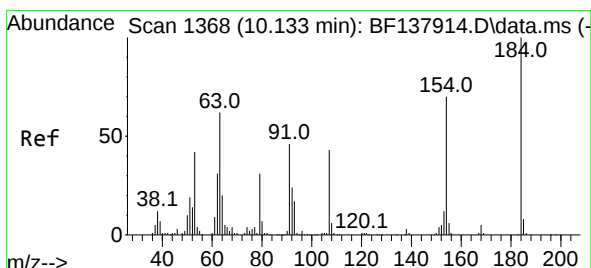
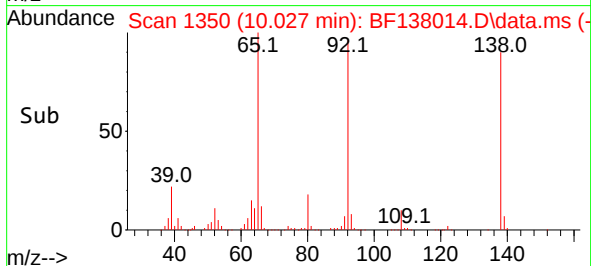
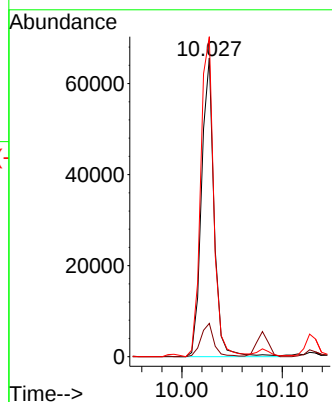
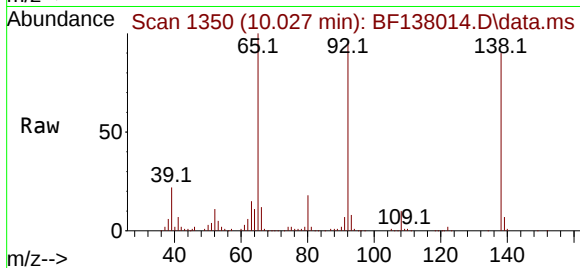
Tgt Ion:138 Resp: 57619

Ion Ratio Lower Upper

138 100

108 11.1 8.8 13.2

92 107.1 88.6 133.0



#54

2,4-Dinitrophenol

Concen: 15.888 ng

RT: 10.133 min Scan# 1368

Delta R.T. 0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

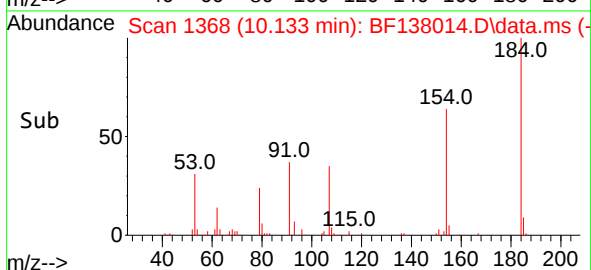
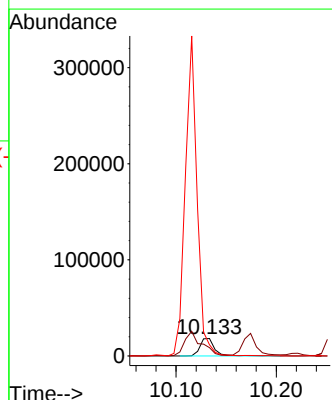
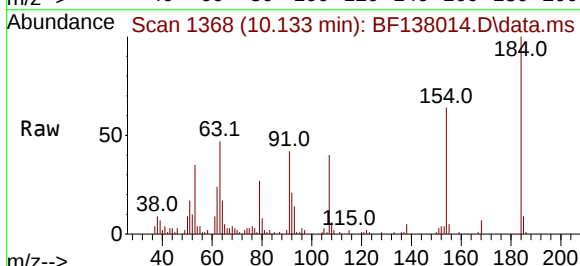
Tgt Ion:184 Resp: 18732

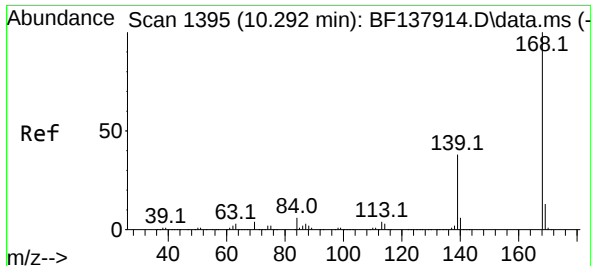
Ion Ratio Lower Upper

184 100

63 47.4 50.4 75.6#

154 63.8 63.7 95.5

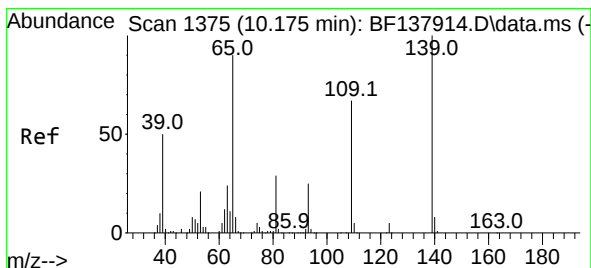
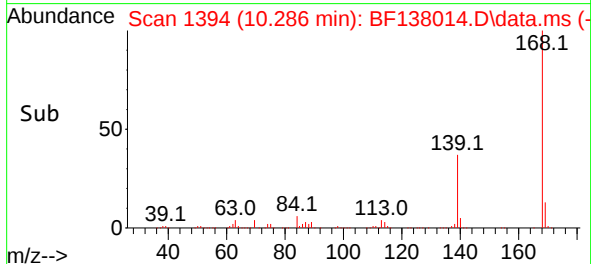
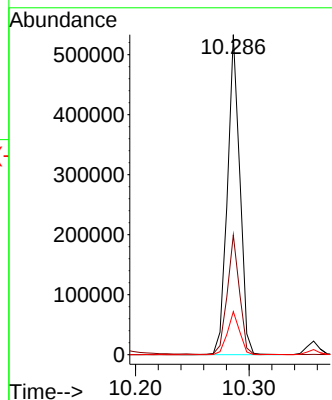
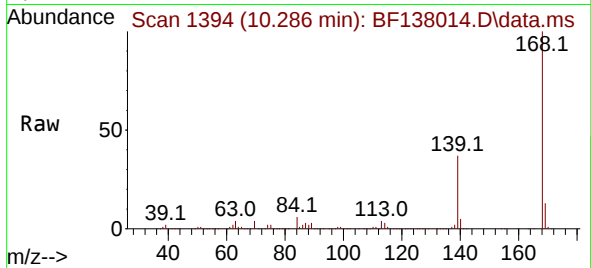




#55
Dibenzofuran
Concen: 21.263 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

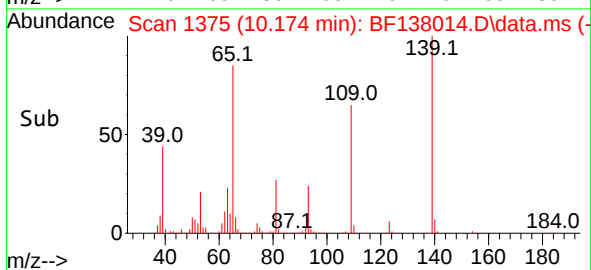
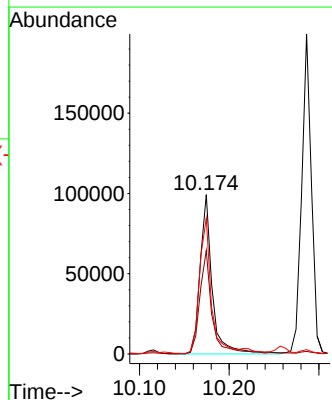
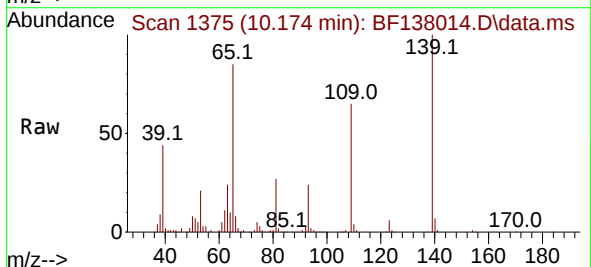
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

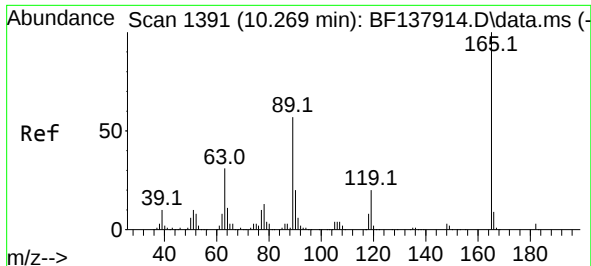
Tgt Ion:168 Resp: 405969
Ion Ratio Lower Upper
168 100
139 37.4 30.4 45.6
169 13.5 10.5 15.7



#56
4-Nitrophenol
Concen: 37.592 ng
RT: 10.174 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:139 Resp: 93666
Ion Ratio Lower Upper
139 100
109 65.0 46.5 86.5
65 85.2 70.4 110.4

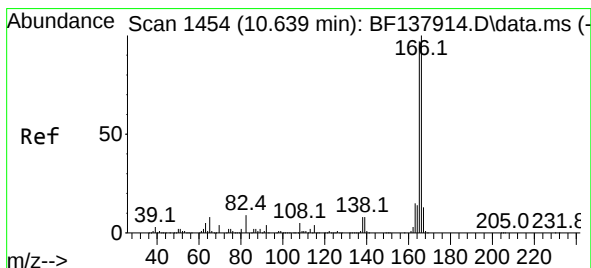
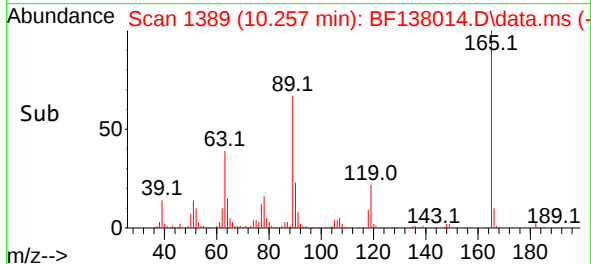
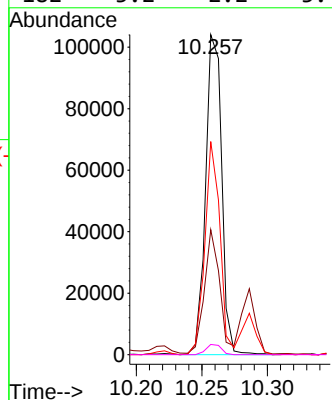
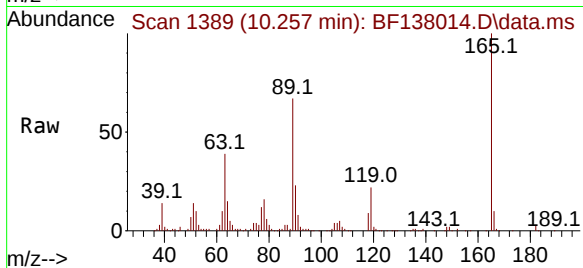




#57
2,4-Dinitrotoluene
Concen: 19.483 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

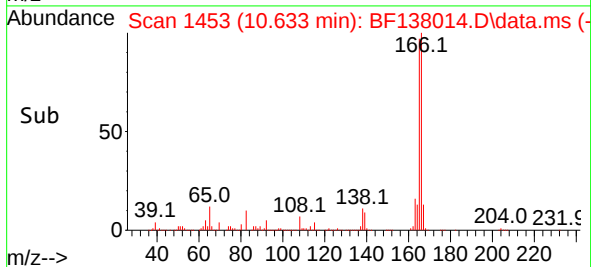
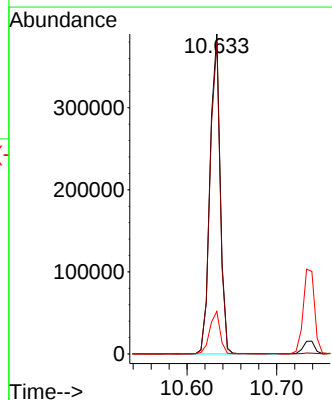
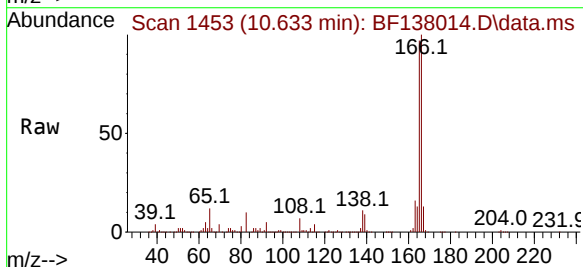
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

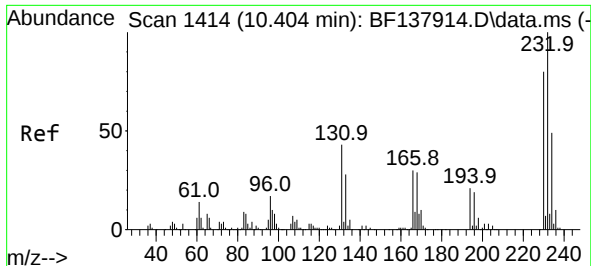
Tgt Ion:165 Resp: 89380
Ion Ratio Lower Upper
165 100
63 39.1 25.3 37.9#
89 66.6 45.9 68.9
182 3.2 2.2 3.4



#58
Fluorene
Concen: 20.296 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:166 Resp: 306506
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.8
167 13.3 10.4 15.6

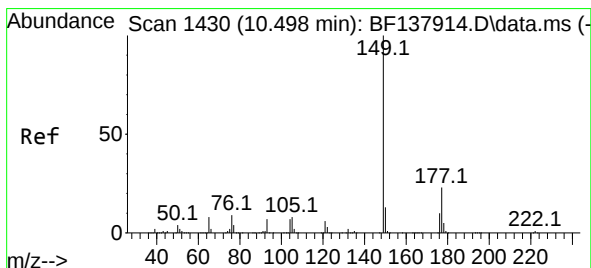
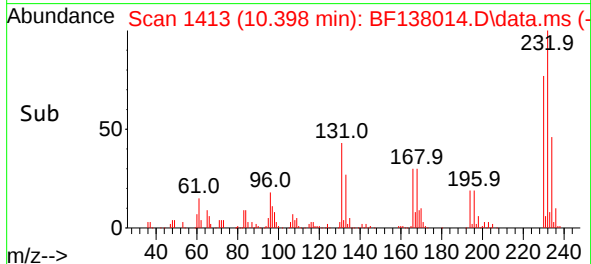
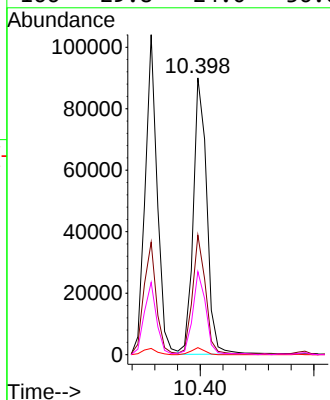
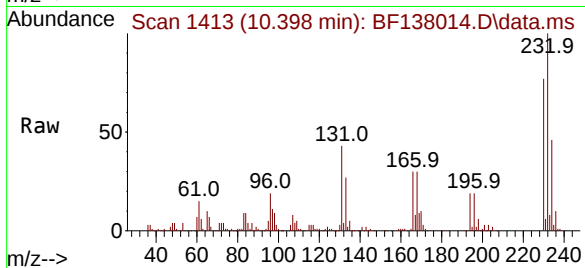




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.698 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

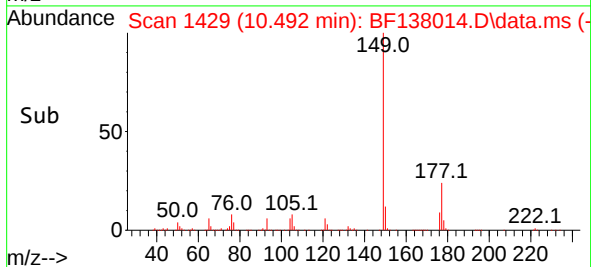
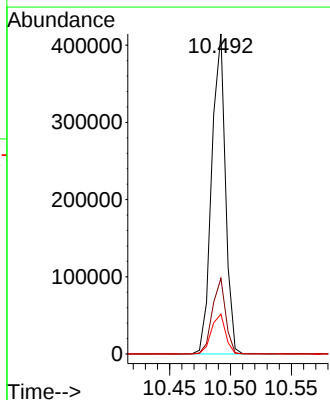
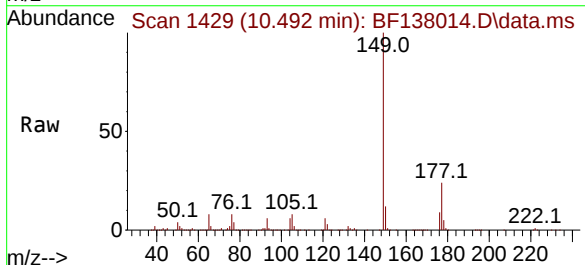
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

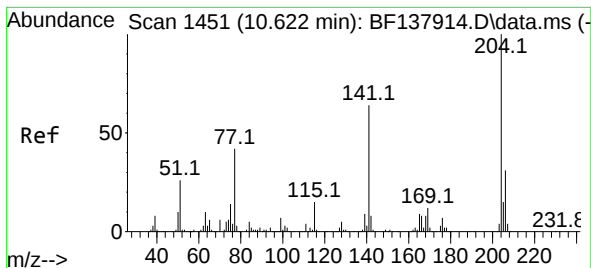
Tgt Ion:232 Resp: 74414
Ion Ratio Lower Upper
232 100
131 41.1 34.4 51.6
130 2.5 1.7 2.5
166 29.8 24.0 36.0



#60
Diethylphthalate
Concen: 22.470 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:149 Resp: 324466
Ion Ratio Lower Upper
149 100
177 23.6 18.4 27.6
150 12.5 10.1 15.1

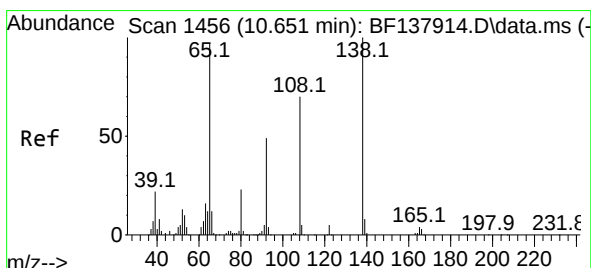
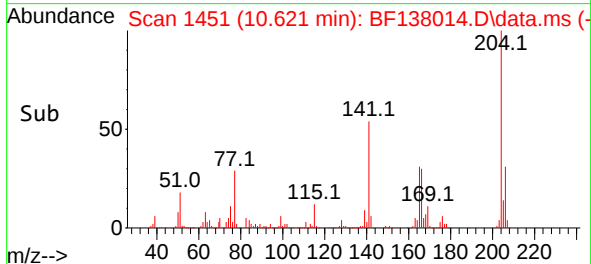
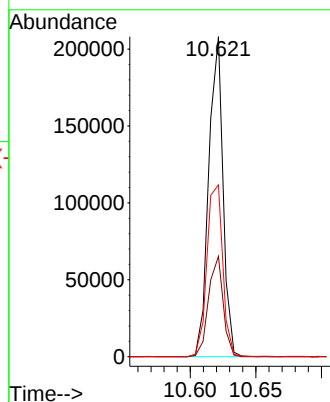
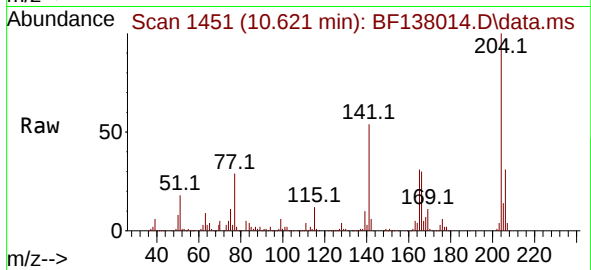




#61
4-Chlorophenyl-phenylether
Concen: 21.208 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

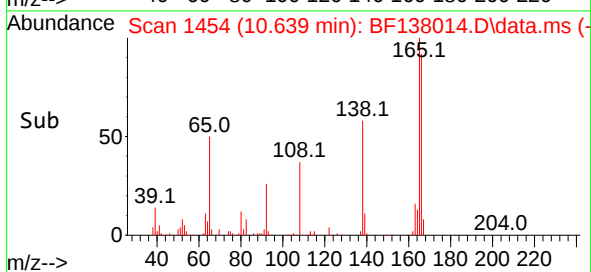
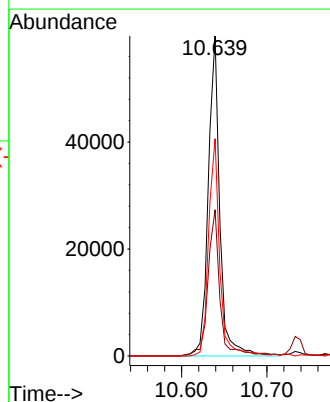
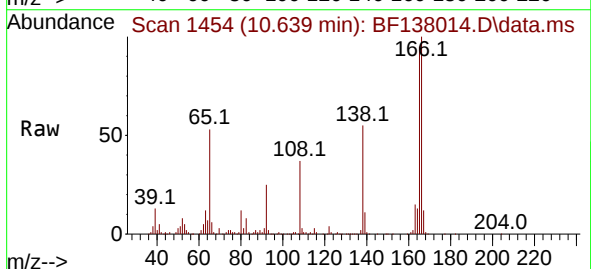
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

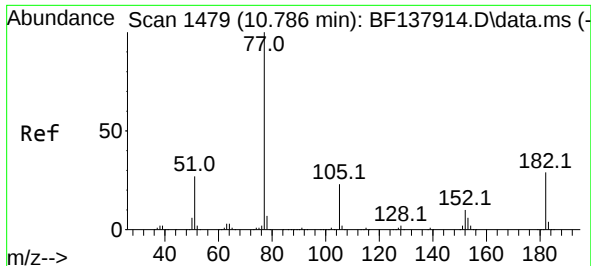
Tgt Ion:204 Resp: 157948
Ion Ratio Lower Upper
204 100
206 31.4 25.1 37.7
141 53.7 51.0 76.6



#62
4-Nitroaniline
Concen: 17.050 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:138 Resp: 56101
Ion Ratio Lower Upper
138 100
92 45.7 29.0 69.0
108 67.9 49.7 89.7

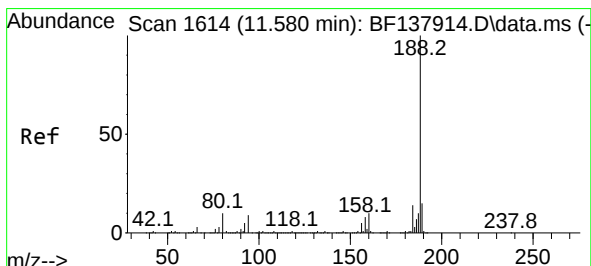
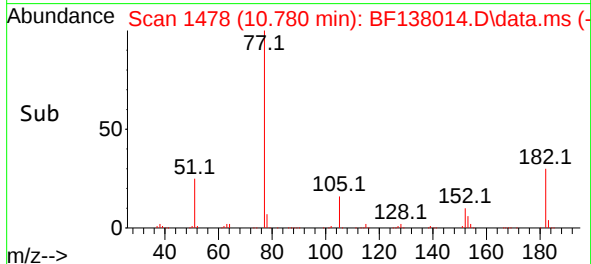
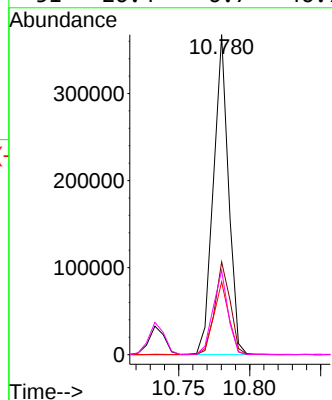
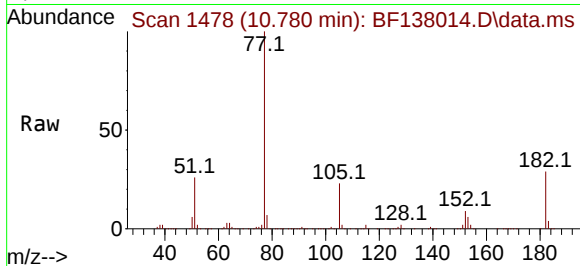




#63
Azobenzene
Concen: 20.595 ng
RT: 10.780 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

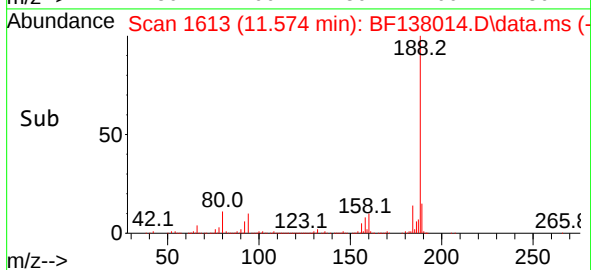
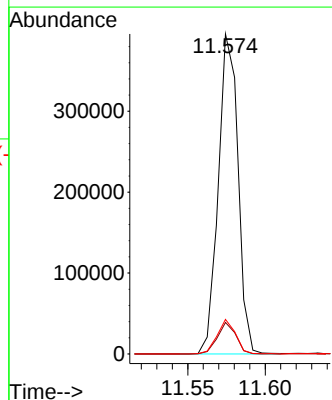
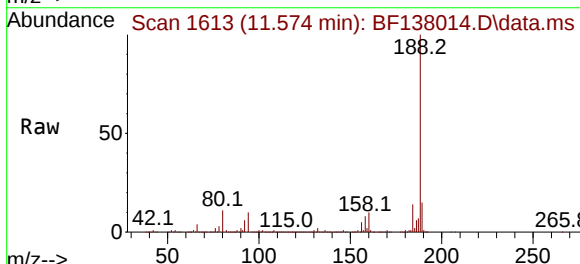
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

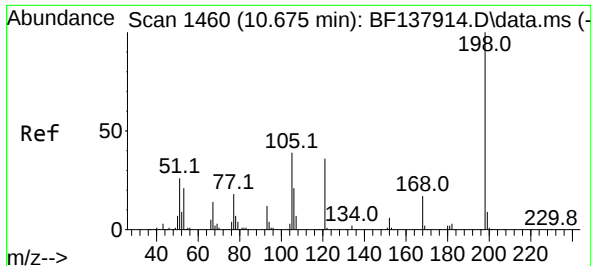
Tgt Ion: 77	Resp: 270502
Ion Ratio	Lower Upper
77 100	
182 29.0	9.2 49.2
105 22.7	3.1 43.1
51 26.4	6.7 46.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.574 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:188	Resp: 350146
Ion Ratio	Lower Upper
188 100	
94 9.9	7.0 10.4
80 10.8	7.7 11.5

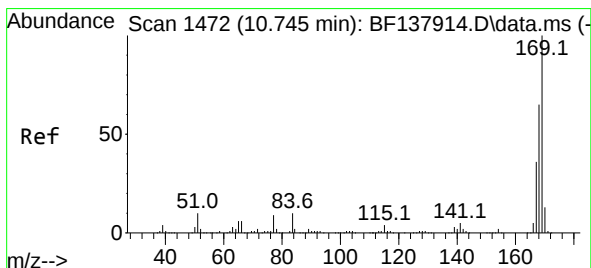
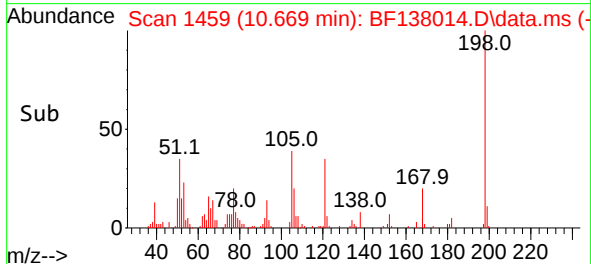
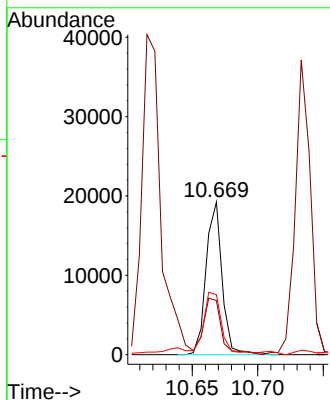
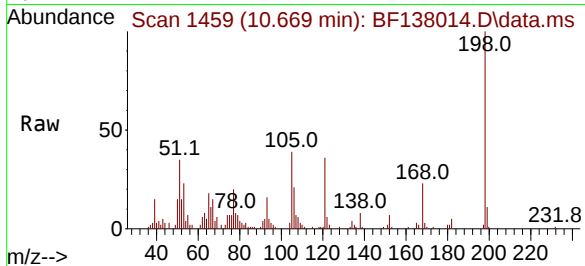




#65
4,6-Dinitro-2-methylphenol
Concen: 8.124 ng
RT: 10.669 min Scan# 14
Delta R.T. -0.007 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

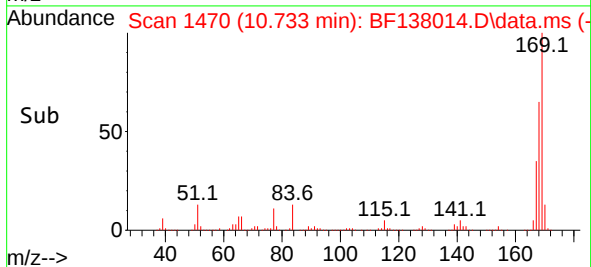
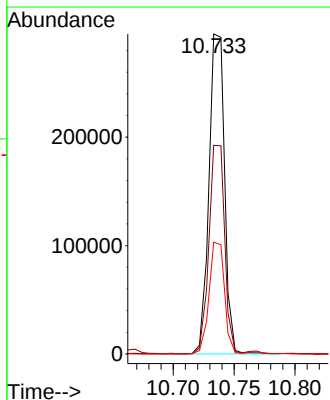
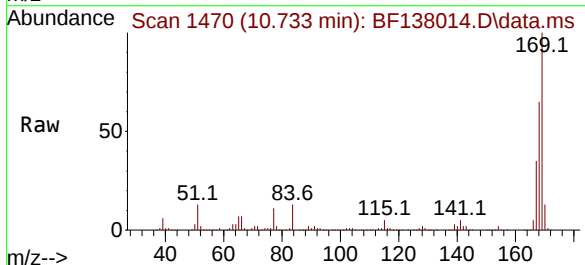
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

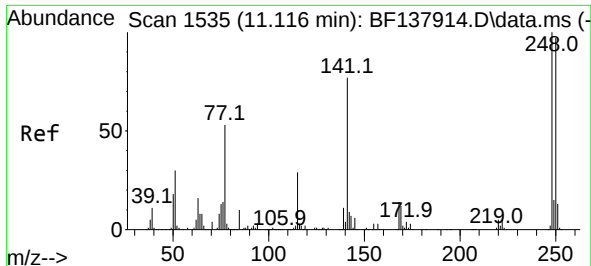
Tgt Ion:198 Resp: 16425
Ion Ratio Lower Upper
198 100
51 35.4 13.8 53.8
105 39.3 19.0 59.0



#66
n-Nitrosodiphenylamine
Concen: 24.617 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:169 Resp: 264339
Ion Ratio Lower Upper
169 100
168 65.2 52.4 78.6
167 35.0 28.9 43.3

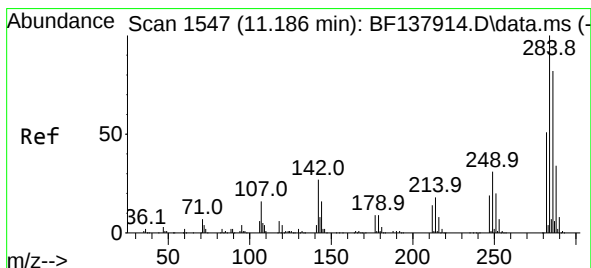
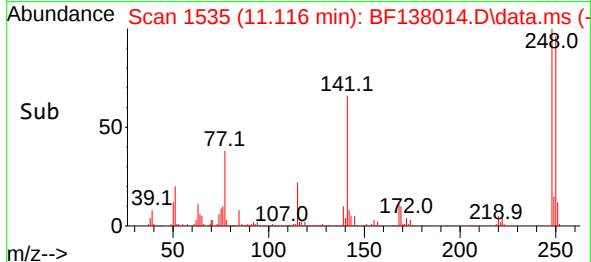
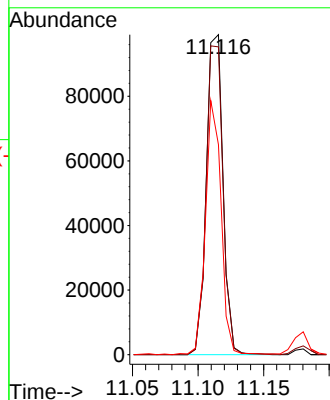
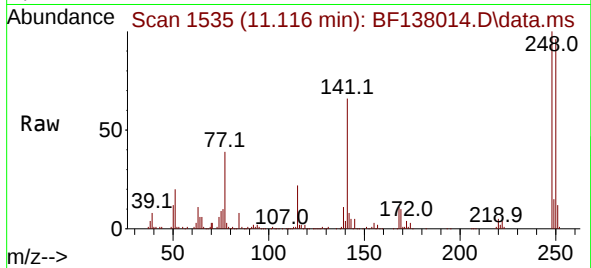




#67
4-Bromophenyl-phenylether
Concen: 22.928 ng
RT: 11.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

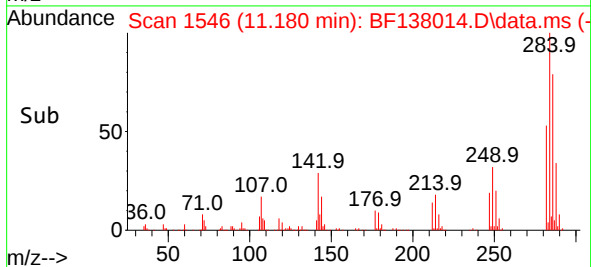
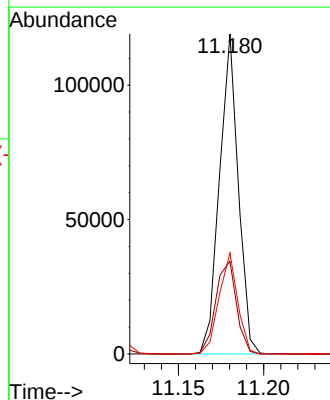
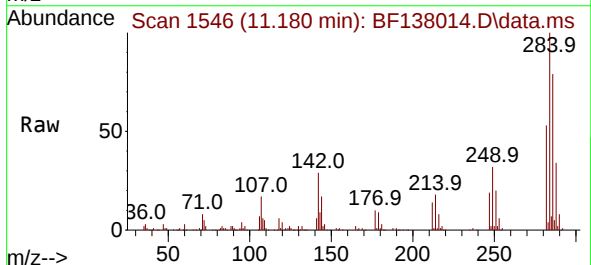
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

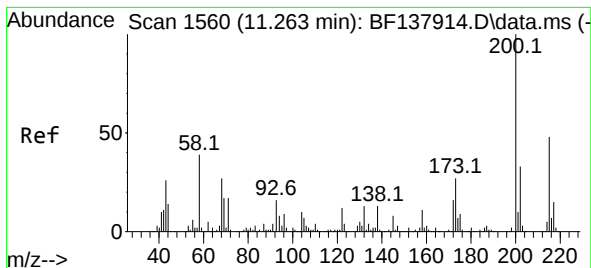
Tgt Ion:248 Resp: 88013
Ion Ratio Lower Upper
248 100
250 96.2 77.6 116.4
141 65.6 61.4 92.2



#68
Hexachlorobenzene
Concen: 21.543 ng
RT: 11.180 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:284 Resp: 91410
Ion Ratio Lower Upper
284 100
142 29.0 21.3 31.9
249 31.6 24.6 37.0





#69

Atrazine

Concen: 27.064 ng

RT: 11.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

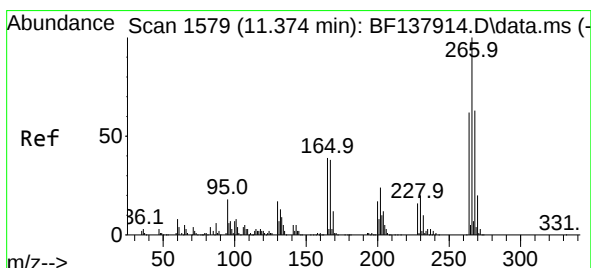
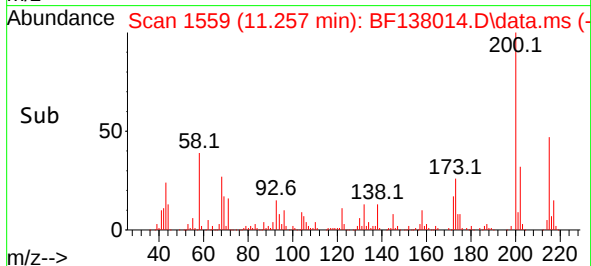
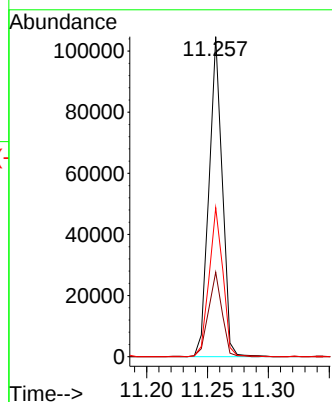
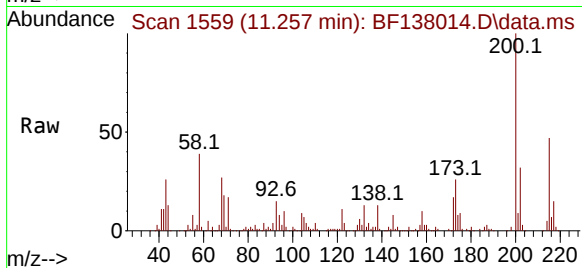
Tgt Ion:200 Resp: 79356

Ion Ratio Lower Upper

200 100

173 26.4 6.6 46.6

215 46.6 27.5 67.5



#70

Pentachlorophenol

Concen: 42.233 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

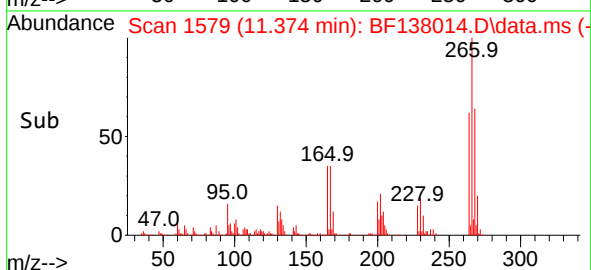
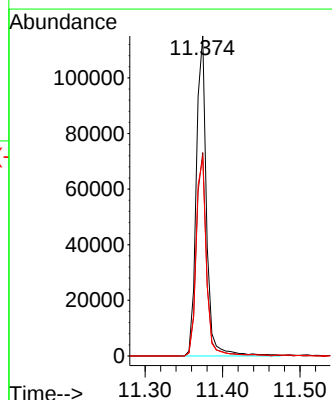
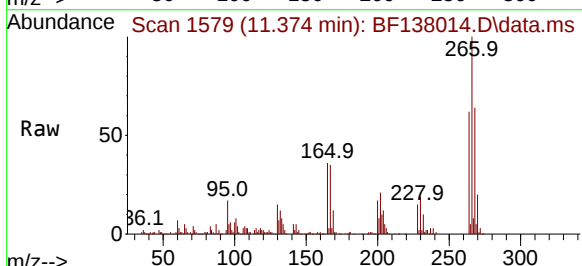
Tgt Ion:266 Resp: 104970

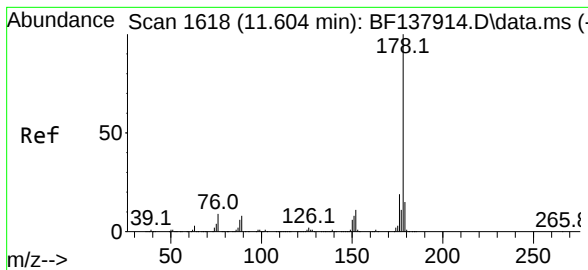
Ion Ratio Lower Upper

266 100

268 63.5 50.1 75.1

264 61.7 49.4 74.2

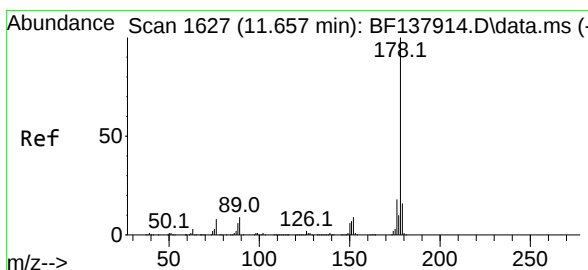
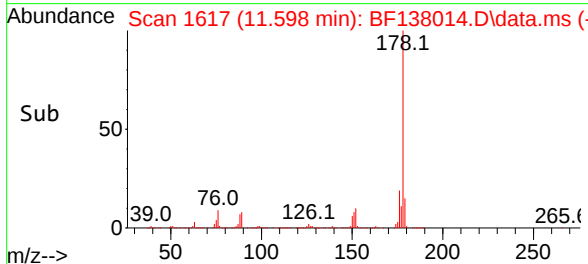
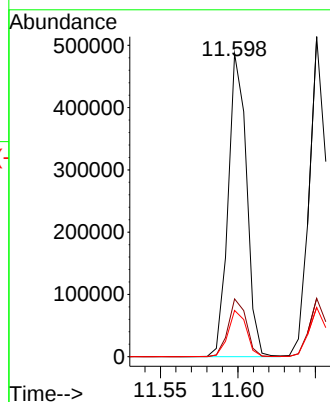
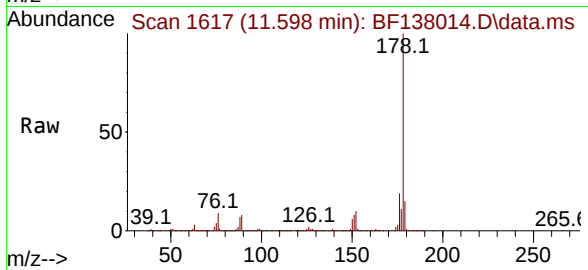




#71
Phenanthrene
Concen: 23.283 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

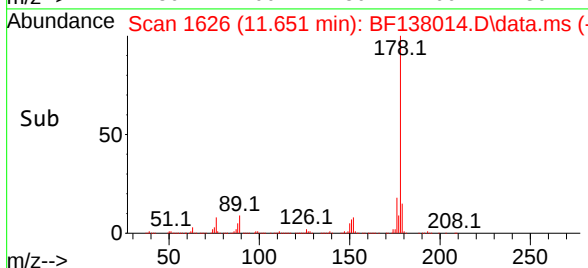
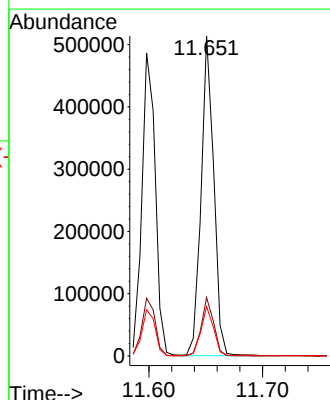
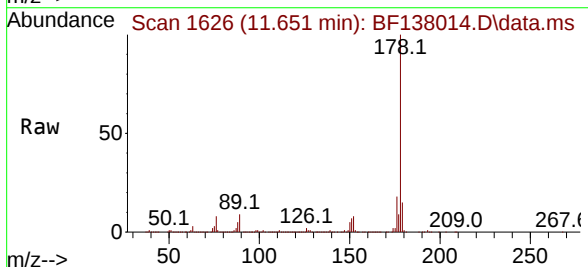
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

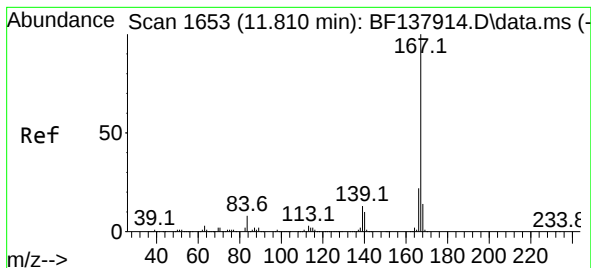
Tgt Ion:178 Resp: 401746
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 12.2 18.4



#72
Anthracene
Concen: 23.238 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:178 Resp: 397841
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 12.4 18.6





#73

Carbazole

Concen: 22.356 ng

RT: 11.804 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

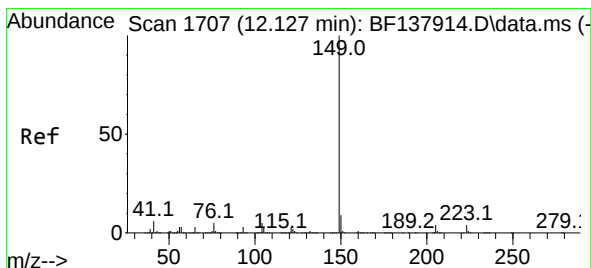
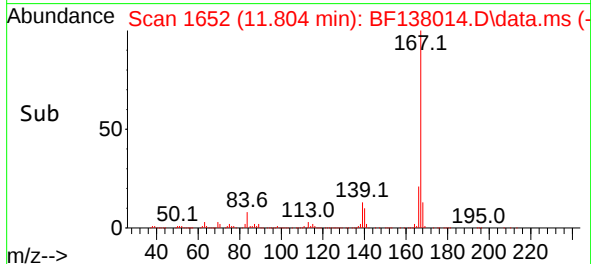
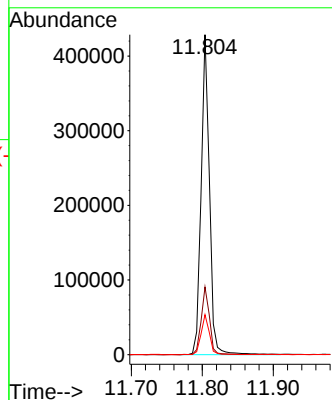
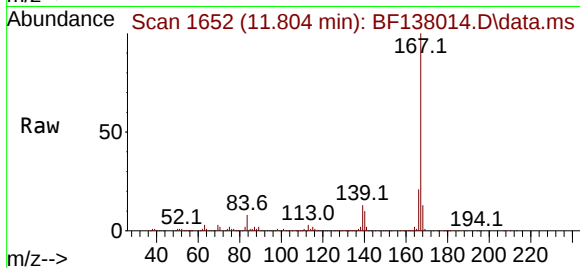
Tgt Ion:167 Resp: 349627

Ion Ratio Lower Upper

167 100

166 21.1 17.3 25.9

139 12.5 10.3 15.5



#74

Di-n-butylphthalate

Concen: 24.644 ng

RT: 12.127 min Scan# 1707

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

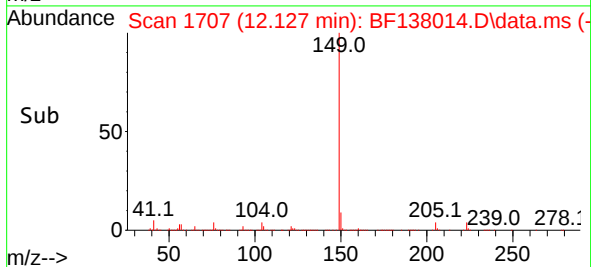
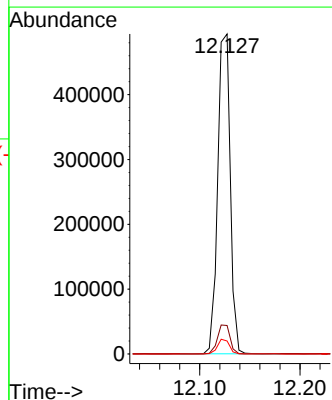
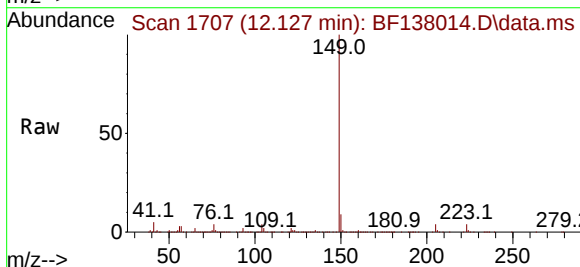
Tgt Ion:149 Resp: 427725

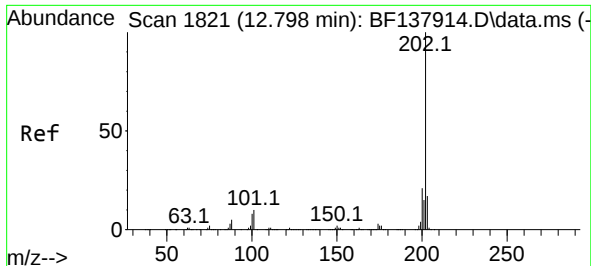
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

104 4.0 3.6 5.4

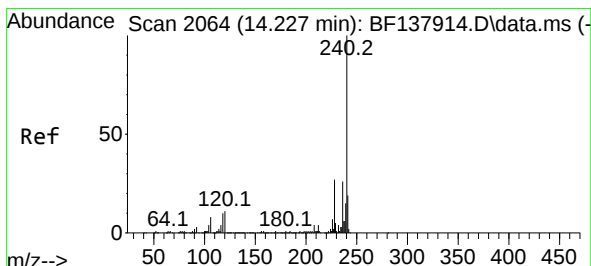
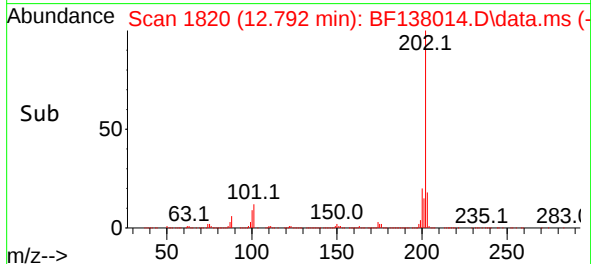
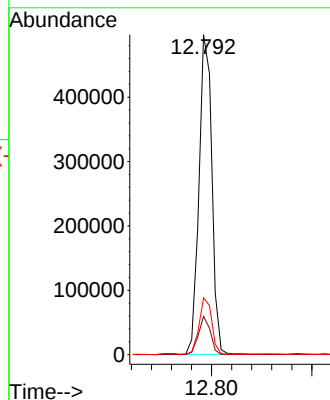
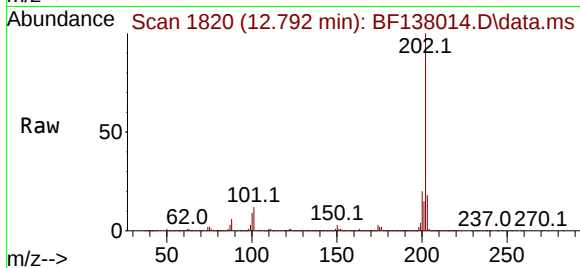




#75
Fluoranthene
Concen: 25.368 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

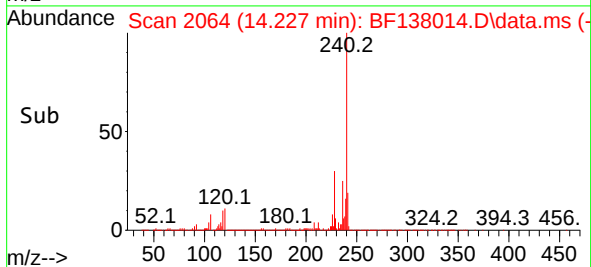
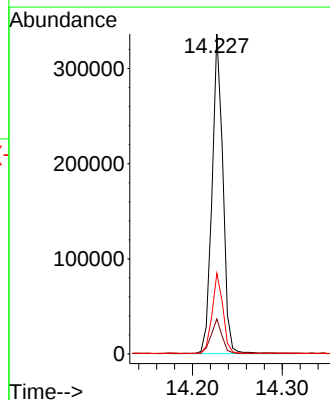
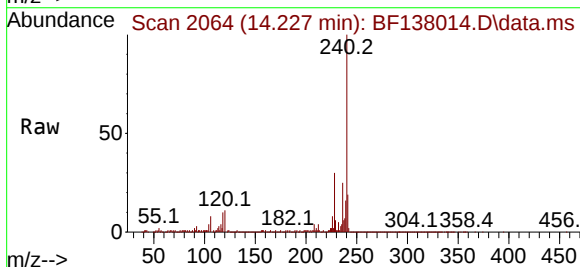
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

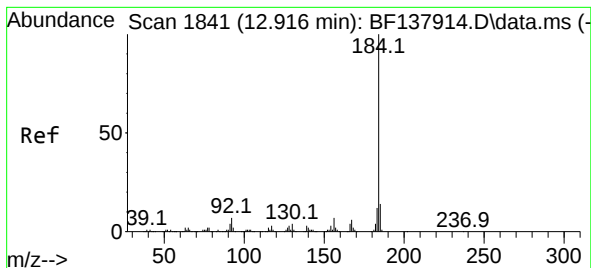
Tgt Ion:202 Resp: 444290
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.5
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:240 Resp: 281097
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 25.2 21.0 31.4





#77

Benzidine

Concen: 20.758 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.001 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

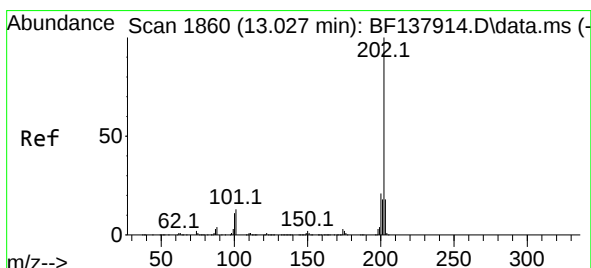
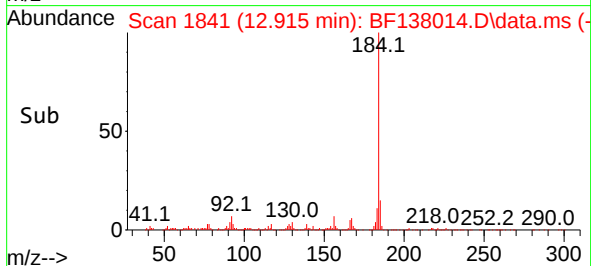
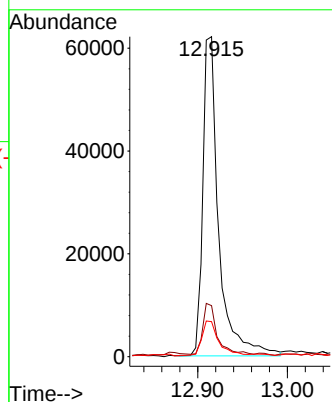
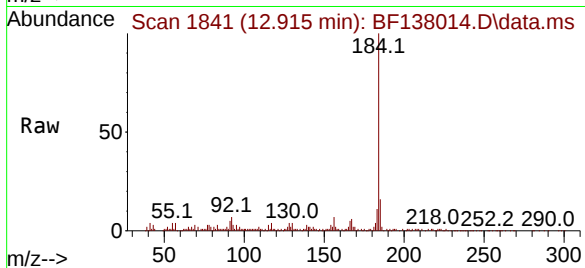
Tgt Ion:184 Resp: 76257

Ion Ratio Lower Upper

184 100

185 15.9 11.4 17.2

183 11.0 9.5 14.3



#78

Pyrene

Concen: 18.913 ng

RT: 13.027 min Scan# 1860

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

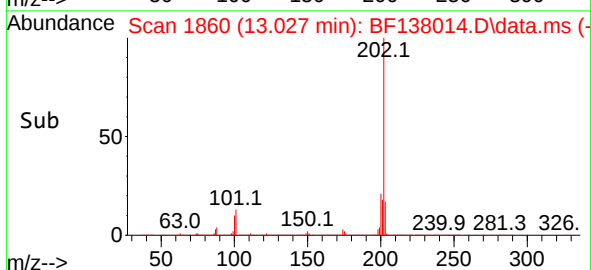
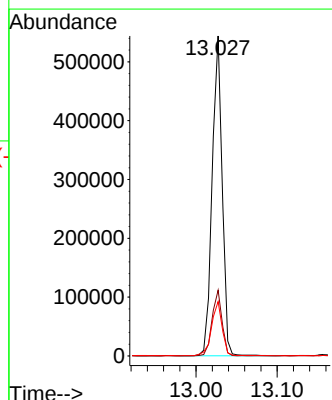
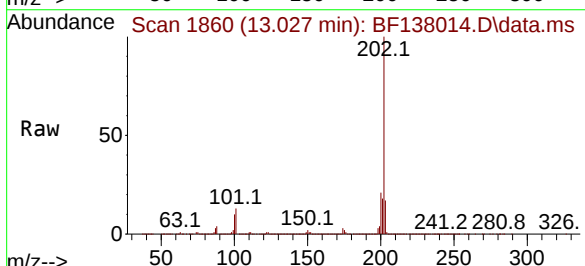
Tgt Ion:202 Resp: 464985

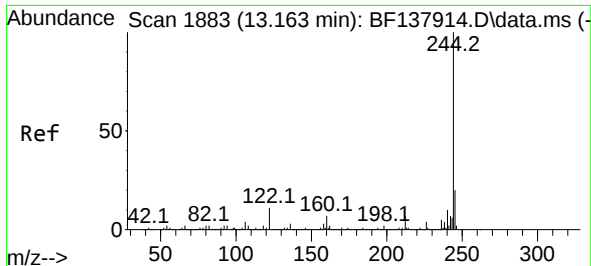
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

203 17.0 14.1 21.1

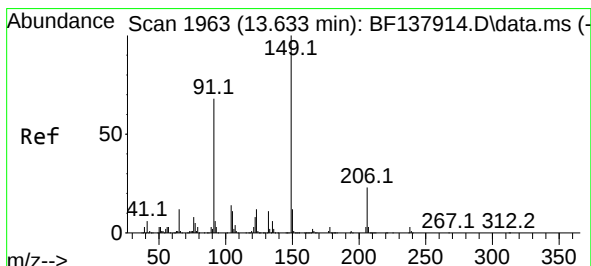
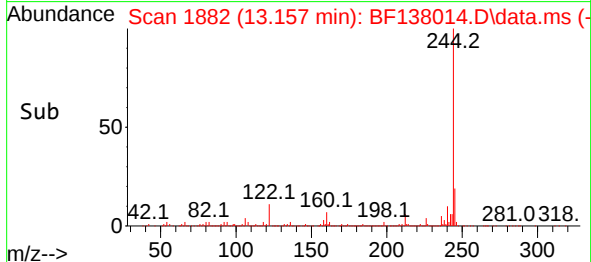
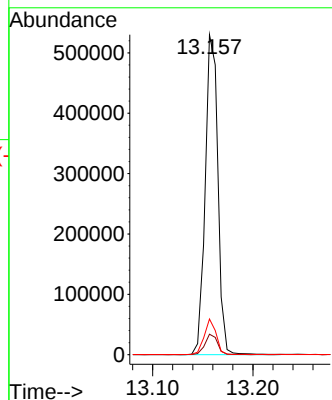
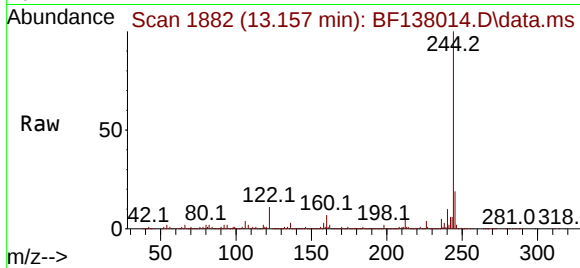




#79
 Terphenyl-d14
 Concen: 24.548 ng
 RT: 13.157 min Scan# 1882
 Delta R.T. -0.006 min
 Lab File: BF138014.D
 Acq: 22 May 2024 19:55

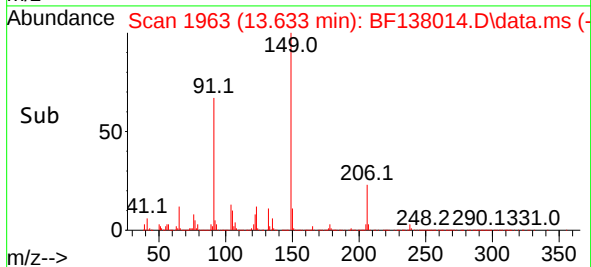
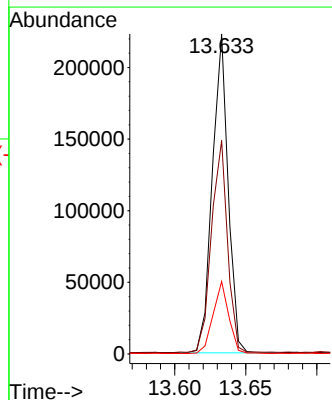
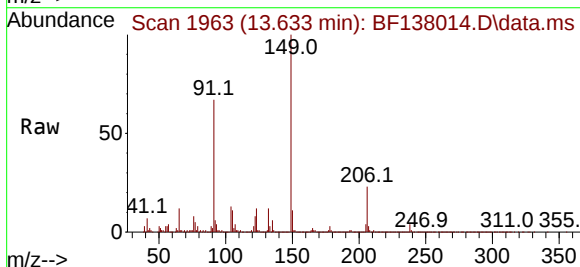
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-05212024MS

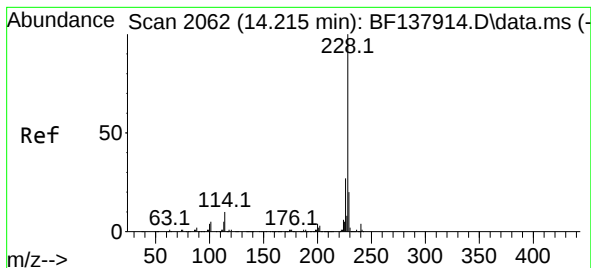
Tgt Ion:244 Resp: 468205
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 11.2 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 23.284 ng
 RT: 13.633 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: BF138014.D
 Acq: 22 May 2024 19:55

Tgt Ion:149 Resp: 172666
 Ion Ratio Lower Upper
 149 100
 91 66.7 54.2 81.4
 206 22.7 18.1 27.1





#81

Benzo(a)anthracene

Concen: 23.048 ng

RT: 14.215 min Scan# 2062

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

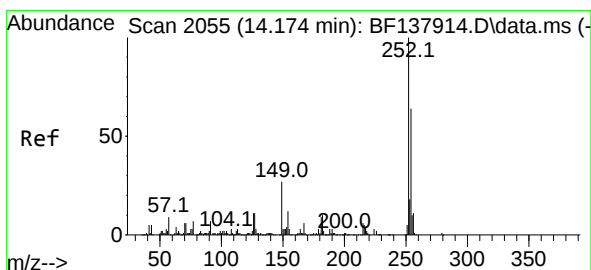
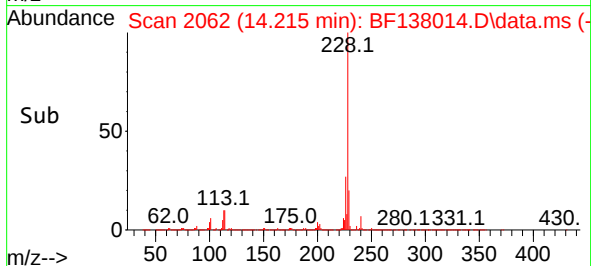
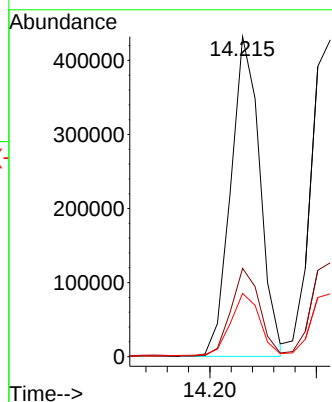
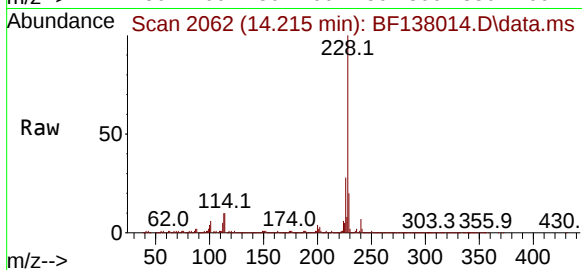
Tgt Ion:228 Resp: 409893

Ion Ratio Lower Upper

228 100

226 27.6 21.3 31.9

229 19.7 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 19.911 ng

RT: 14.174 min Scan# 2055

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

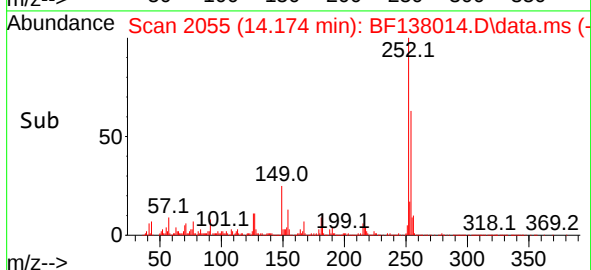
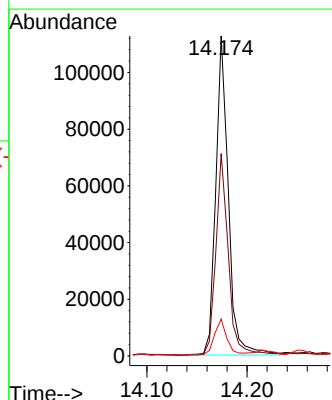
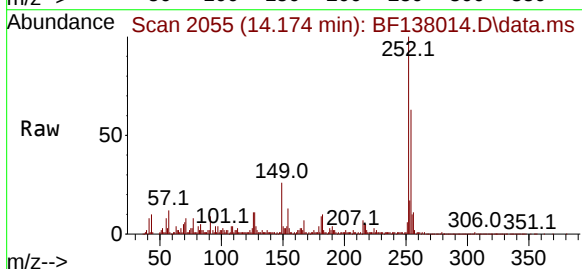
Tgt Ion:252 Resp: 98132

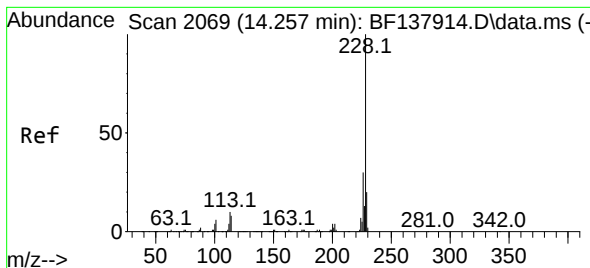
Ion Ratio Lower Upper

252 100

254 63.3 51.2 76.8

126 11.5 8.7 13.1





#83

Chrysene

Concen: 22.871 ng

RT: 14.257 min Scan# 2069

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

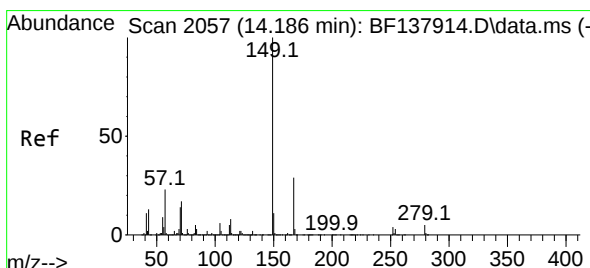
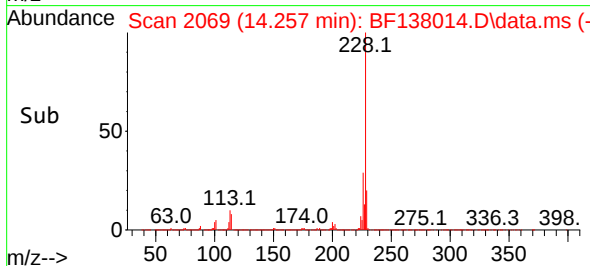
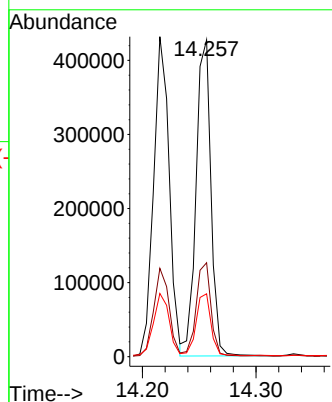
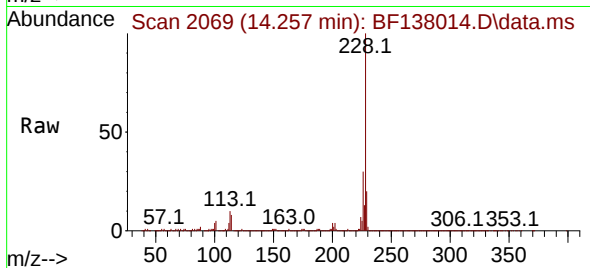
Tgt Ion:228 Resp: 388988

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 27.522 ng

RT: 14.186 min Scan# 2057

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

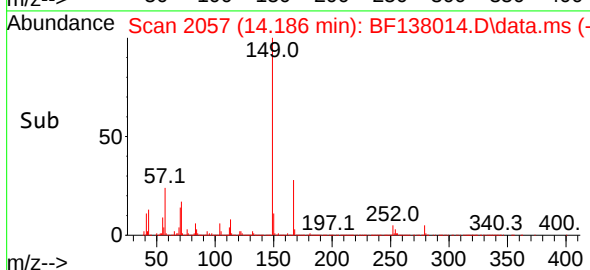
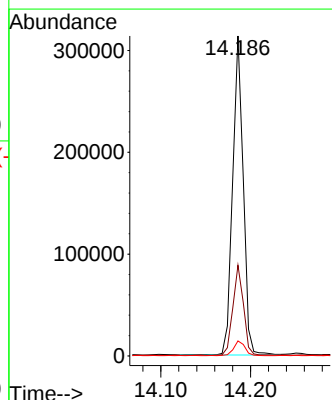
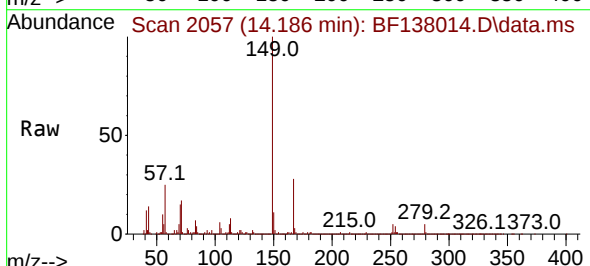
Tgt Ion:149 Resp: 256559

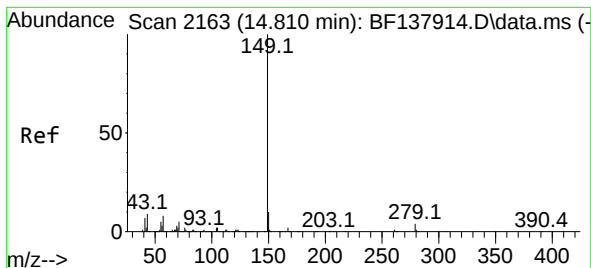
Ion Ratio Lower Upper

149 100

167 28.4 23.2 34.8

279 4.7 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 33.763 ng

RT: 14.815 min Scan# 2163

Delta R.T. 0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

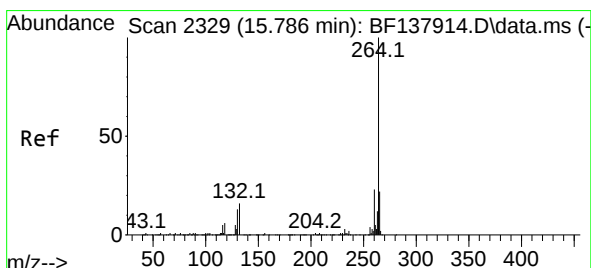
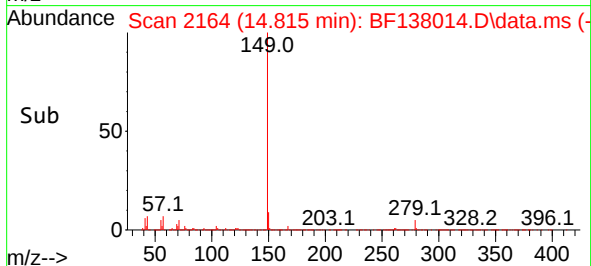
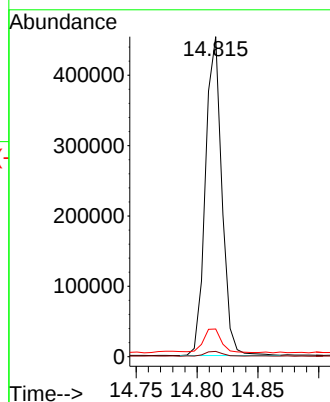
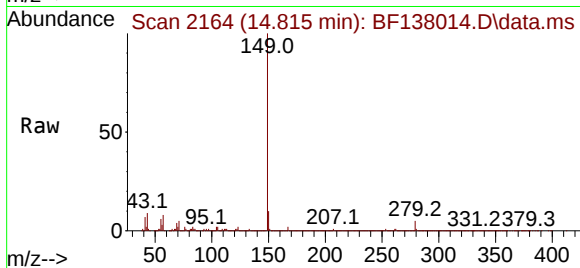
Tgt Ion:149 Resp: 425199

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 8.0 6.6 9.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 2330

Delta R.T. 0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

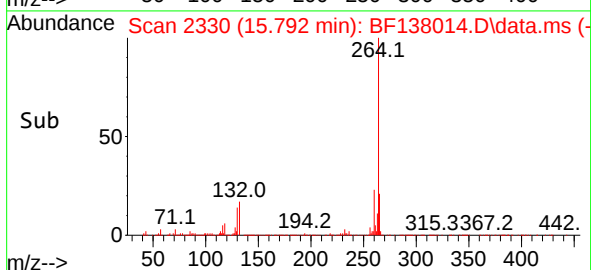
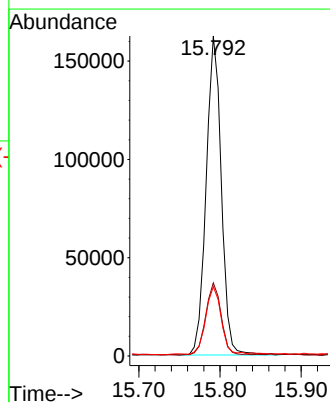
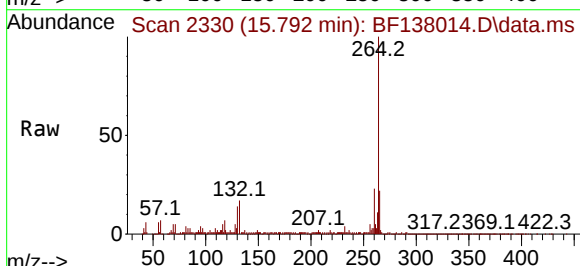
Tgt Ion:264 Resp: 210111

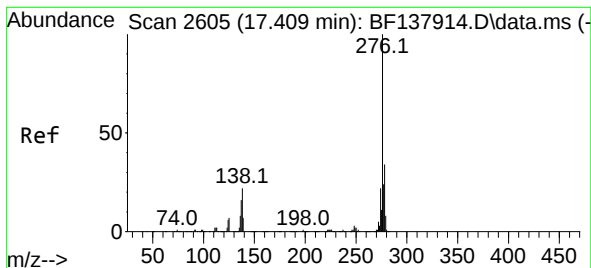
Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.7 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.234 ng

RT: 17.415 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

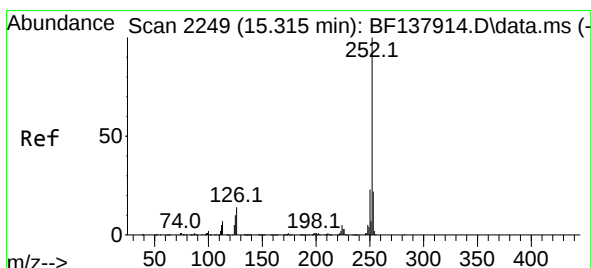
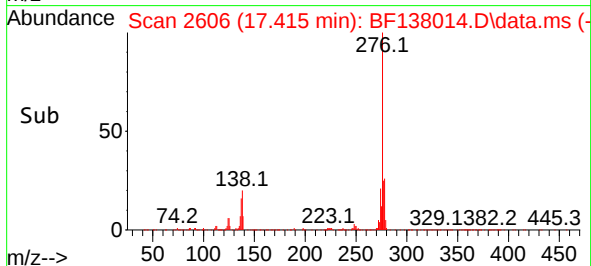
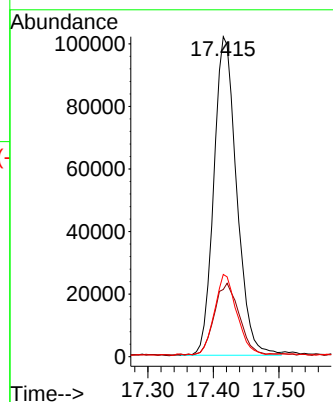
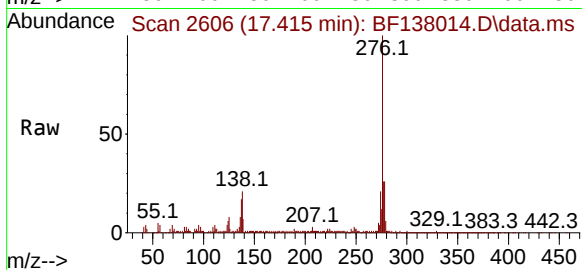
Tgt Ion:276 Resp: 246141

Ion Ratio Lower Upper

276 100

138 24.5 20.6 30.8

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 25.644 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.006 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

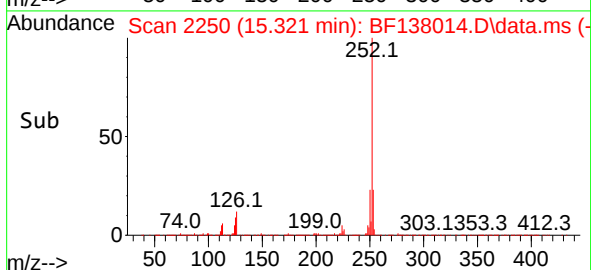
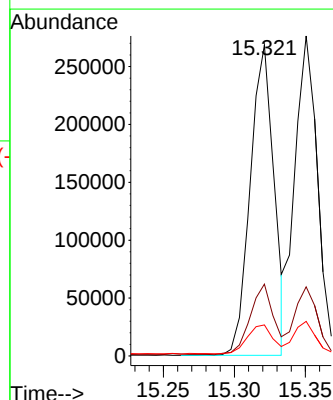
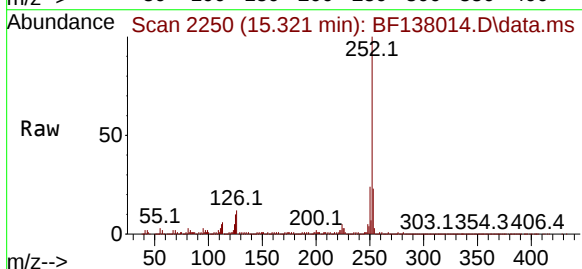
Tgt Ion:252 Resp: 311973

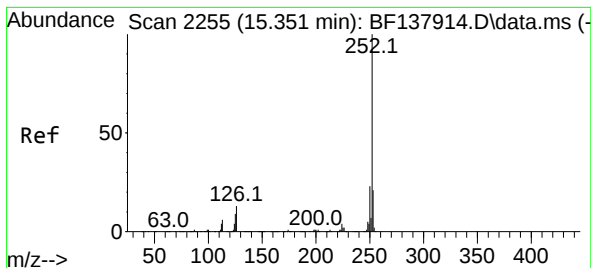
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.0 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 25.566 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MS

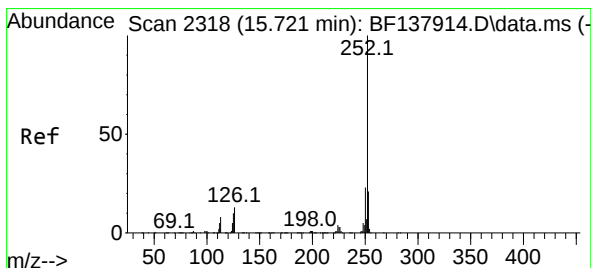
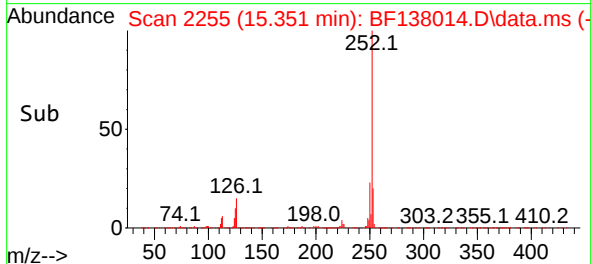
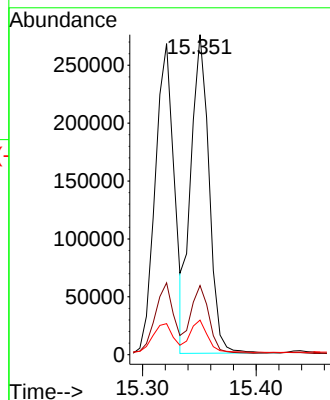
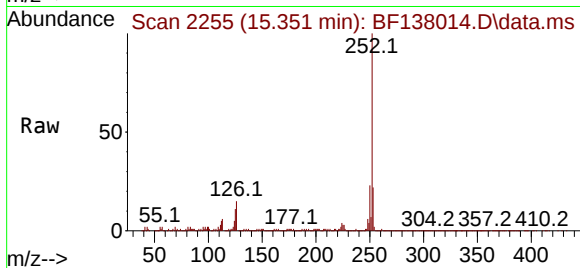
Tgt Ion:252 Resp: 305550

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.8 7.7 11.5



#90

Benzo(a)pyrene

Concen: 24.894 ng

RT: 15.721 min Scan# 2318

Delta R.T. -0.000 min

Lab File: BF138014.D

Acq: 22 May 2024 19:55

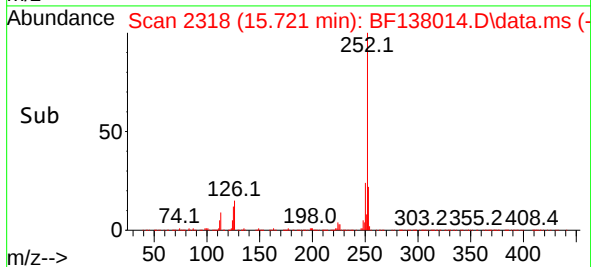
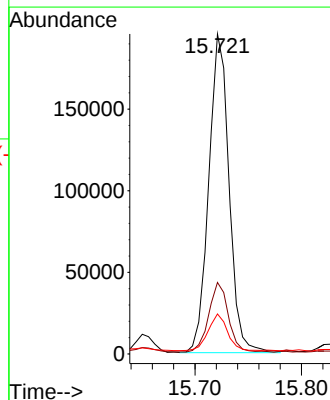
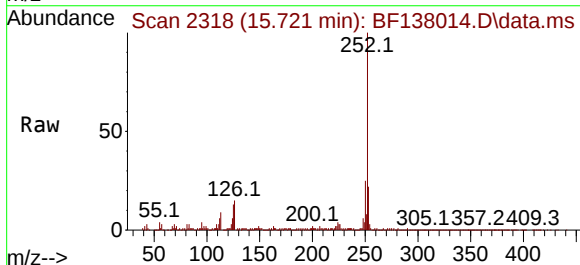
Tgt Ion:252 Resp: 258601

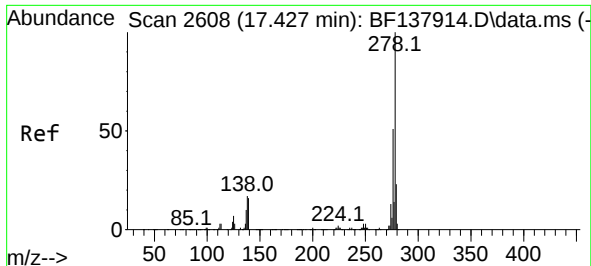
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 12.5 7.8 11.8#

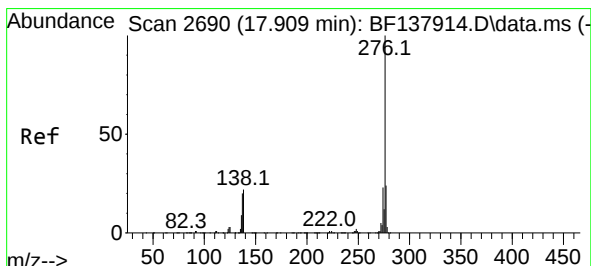
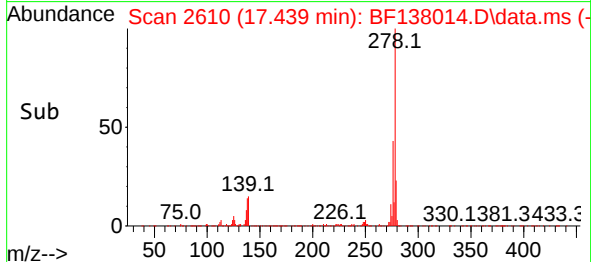
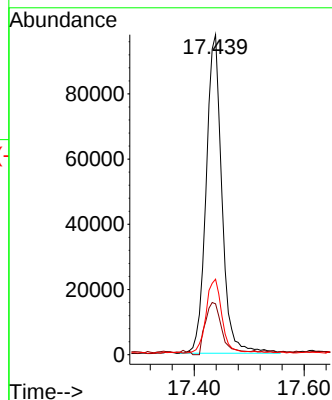
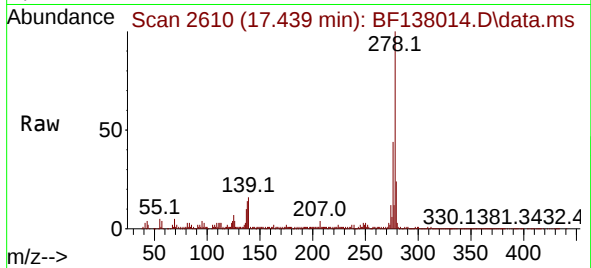




#91
Dibenzo(a,h)anthracene
Concen: 17.480 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.012 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MS

Tgt Ion:278 Resp: 194959
Ion Ratio Lower Upper
278 100
139 15.9 13.1 19.7
279 23.6 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 16.247 ng
RT: 17.909 min Scan# 2690
Delta R.T. -0.000 min
Lab File: BF138014.D
Acq: 22 May 2024 19:55

Tgt Ion:276 Resp: 190352
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 22.8 17.6 26.4

