

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052224\
 Data File : BF138015.D
 Acq On : 22 May 2024 20:26
 Operator : CG\JU
 Sample : P2564-01MSD 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-05212024MSD

Quant Time: May 23 01:14:51 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	7.034	152	131201	20.000	ng	-0.01
21) Naphthalene-d8	8.322	136	475528	20.000	ng	0.00
39) Acenaphthene-d10	10.080	164	215360	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	314490	20.000	ng	0.00
76) Chrysene-d12	14.227	240	257594	20.000	ng	0.00
86) Perylene-d12	15.792	264	185917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	355357	46.008	ng	0.00
7) Phenol-d6	6.645	99	431320	45.333	ng	-0.01
23) Nitrobenzene-d5	7.592	82	251478	31.122	ng	-0.02
42) 2,4,6-Tribromophenol	10.874	330	90484	41.669	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	516459	36.940	ng	0.00
79) Terphenyl-d14	13.163	244	482489	27.605	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.957	88	62629	18.717	ng	98
3) Pyridine	3.722	79	144003	19.180	ng	98
4) n-Nitrosodimethylamine	3.675	42	72652	21.935	ng	96
6) Aniline	6.692	93	146230	17.183	ng	99
8) 2-Chlorophenol	6.816	128	196914	23.558	ng	98
9) Benzaldehyde	6.587	77	32946	6.400	ng	100
10) Phenol	6.663	94	225730	23.505	ng	95
11) bis(2-Chloroethyl)ether	6.763	93	174689	23.691	ng	98
12) 1,3-Dichlorobenzene	6.975	146	211634	21.883	ng	99
13) 1,4-Dichlorobenzene	7.051	146	216268	22.278	ng	99
14) 1,2-Dichlorobenzene	7.204	146	204299	22.361	ng	98
15) Benzyl Alcohol	7.169	79	151037	23.773	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.298	45	217154	23.958	ng	99
17) 2-Methylphenol	7.269	107	151351	22.705	ng	99
18) Hexachloroethane	7.551	117	68025	20.708	ng	96
19) n-Nitroso-di-n-propyla...	7.434	70	126511	23.667	ng	97
20) 3+4-Methylphenols	7.422	107	194305	22.250	ng	96
22) Acetophenone	7.439	105	268004	25.158	ng	# 98
24) Nitrobenzene	7.616	77	186075	22.700	ng	98
25) Isophorone	7.845	82	335379	23.915	ng	99
26) 2-Nitrophenol	7.928	139	94424	22.925	ng	96
27) 2,4-Dimethylphenol	7.957	122	133430	25.162	ng	98
28) bis(2-Chloroethoxy)met...	8.057	93	208574	24.540	ng	100
29) 2,4-Dichlorophenol	8.169	162	148944	22.336	ng	97
30) 1,2,4-Trichlorobenzene	8.257	180	165740	22.261	ng	98
31) Naphthalene	8.339	128	544380	22.768	ng	99
32) Benzoic acid	8.028	122	75386	16.817	ng	97
33) 4-Chloroaniline	8.381	127	111830	14.268	ng	99
34) Hexachlorobutadiene	8.451	225	106176	22.530	ng	99
35) Caprolactam	8.733	113	41629	21.548	ng	92
36) 4-Chloro-3-methylphenol	8.857	107	139884	20.621	ng	98
37) 2-Methylnaphthalene	9.033	142	339729	22.105	ng	98
38) 1-Methylnaphthalene	9.133	142	307581	20.357	ng	99
40) 1,2,4,5-Tetrachloroben...	9.198	216	158001	26.986	ng	98
41) Hexachlorocyclopentadiene	9.180	237	38070	17.113	ng	95
43) 2,4,6-Trichlorophenol	9.304	196	97010	25.271	ng	96

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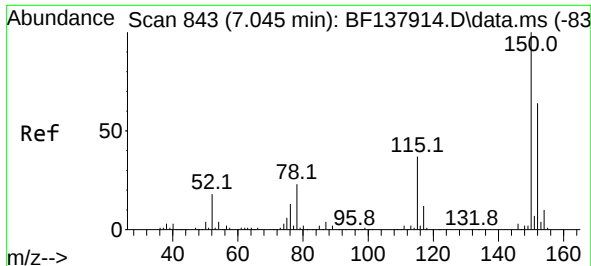
Quant Time: May 23 01:14:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.345	196	94588	22.519	ng	# 95
46) 1,1'-Biphenyl	9.498	154	402984	26.679	ng	100
47) 2-Chloronaphthalene	9.528	162	299470	24.836	ng	97
48) 2-Nitroaniline	9.616	65	76907	24.907	ng	100
49) Acenaphthylene	9.945	152	446925	25.778	ng	100
50) Dimethylphthalate	9.792	163	355757	26.343	ng	100
51) 2,6-Dinitrotoluene	9.857	165	70778	22.835	ng	91
52) Acenaphthene	10.116	154	257488	22.470	ng	97
53) 3-Nitroaniline	10.027	138	60890	20.095	ng	93
54) 2,4-Dinitrophenol	10.127	184	7933	11.293	ng	# 20
55) Dibenzofuran	10.286	168	392505	23.536	ng	99
56) 4-Nitrophenol	10.175	139	94930	43.619	ng	94
57) 2,4-Dinitrotoluene	10.257	165	84548	21.100	ng	# 87
58) Fluorene	10.633	166	295689	22.416	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.398	232	70058	21.231	ng	99
60) Diethylphthalate	10.492	149	312112	24.746	ng	98
61) 4-Chlorophenyl-phenyle...	10.622	204	151967	23.361	ng	92
62) 4-Nitroaniline	10.639	138	59859	20.828	ng	93
63) Azobenzene	10.780	77	261973	22.835	ng	98
65) 4,6-Dinitro-2-methylph...	10.669	198	8137	4.481	ng	91
66) n-Nitrosodiphenylamine	10.733	169	254596	26.398	ng	98
67) 4-Bromophenyl-phenylether	11.110	248	86509	25.092	ng	97
68) Hexachlorobenzene	11.180	284	87398	22.933	ng	96
69) Atrazine	11.257	200	77562	29.451	ng	99
70) Pentachlorophenol	11.374	266	104227	46.689	ng	98
71) Phenanthrene	11.598	178	400120	25.818	ng	99
72) Anthracene	11.651	178	393147	25.568	ng	99
73) Carbazole	11.804	167	351636	25.034	ng	99
74) Di-n-butylphthalate	12.121	149	422589	27.109	ng	100
75) Fluoranthene	12.792	202	468947	29.811	ng	99
77) Benzidine	12.916	184	112940	33.548	ng	98
78) Pyrene	13.027	202	479442	21.280	ng	99
80) Butylbenzylphthalate	13.633	149	184804	27.194	ng	99
81) Benzo(a)anthracene	14.215	228	410979	25.218	ng	98
82) 3,3'-Dichlorobenzidine	14.174	252	111186	24.618	ng	100
83) Chrysene	14.257	228	396271	25.425	ng	100
84) Bis(2-ethylhexyl)phtha...	14.186	149	265917	31.128	ng	99
85) Di-n-octyl phthalate	14.815	149	433530	37.565	ng	99
87) Indeno(1,2,3-cd)pyrene	17.421	276	254200	21.282	ng	98
88) Benzo(b)fluoranthene	15.321	252	299089	27.784	ng	99
89) Benzo(k)fluoranthene	15.351	252	290827	27.501	ng	99
90) Benzo(a)pyrene	15.721	252	250350	27.236	ng	# 97
91) Dibenzo(a,h)anthracene	17.439	278	202349	20.504	ng	99
92) Benzo(g,h,i)perylene	17.915	276	197279	19.029	ng	99

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

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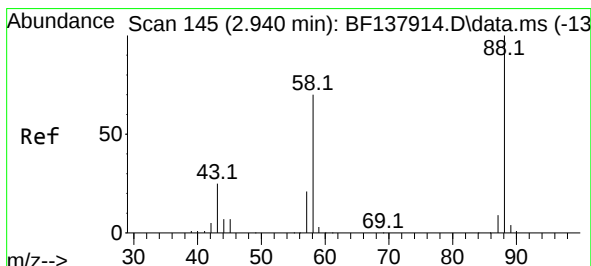
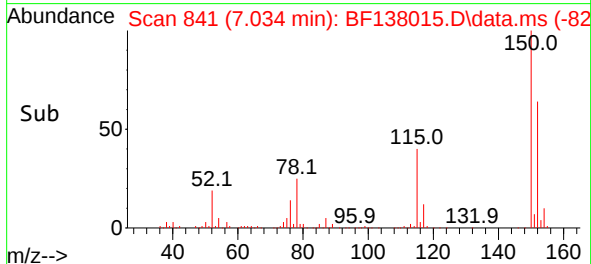
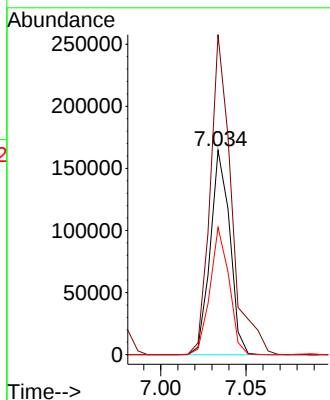
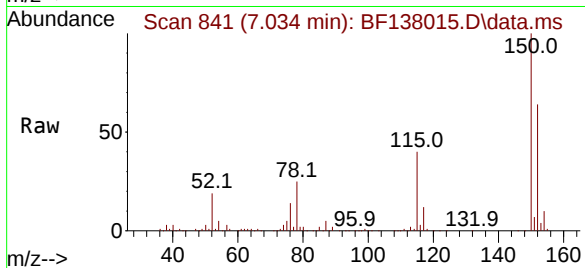




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.034 min Scan# 84
 Delta R.T. -0.011 min
 Lab File: BF138015.D
 Acq: 22 May 2024 20:26

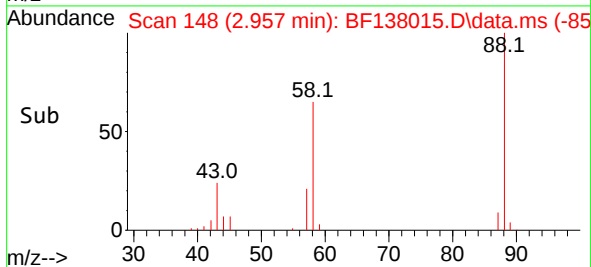
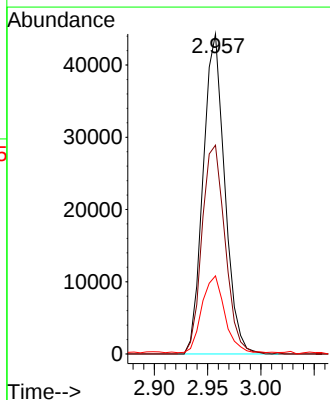
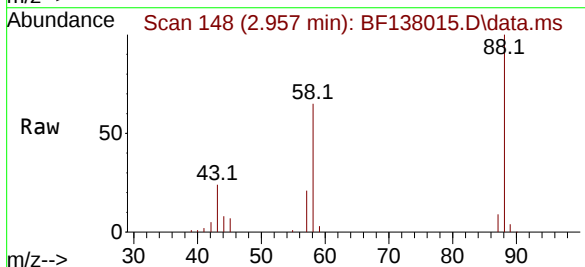
Instrument :
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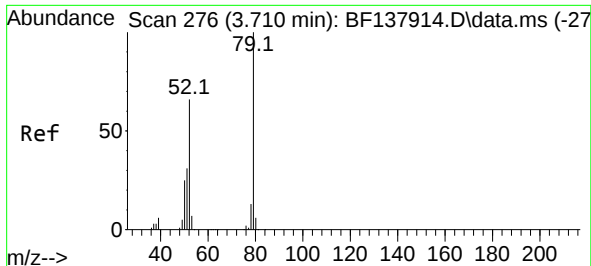
Tgt Ion:152 Resp: 131201
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.7 188.5
 115 62.3 47.0 70.6



#2
 1,4-Dioxane
 Concen: 18.717 ng
 RT: 2.957 min Scan# 148
 Delta R.T. 0.018 min
 Lab File: BF138015.D
 Acq: 22 May 2024 20:26

Tgt Ion: 88 Resp: 62629
 Ion Ratio Lower Upper
 88 100
 58 69.7 54.4 81.6
 43 25.3 19.6 29.4

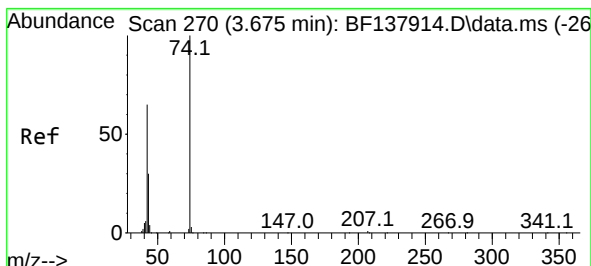
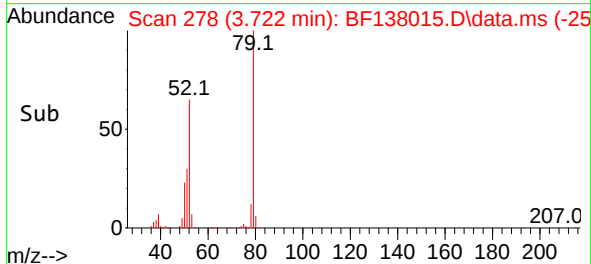
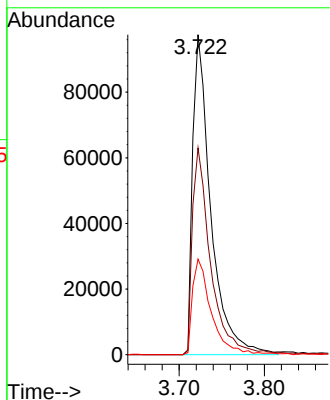
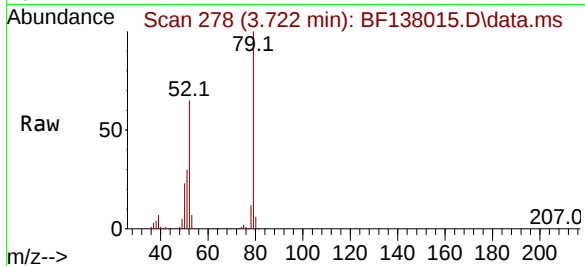




#3
Pyridine
Concen: 19.180 ng
RT: 3.722 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

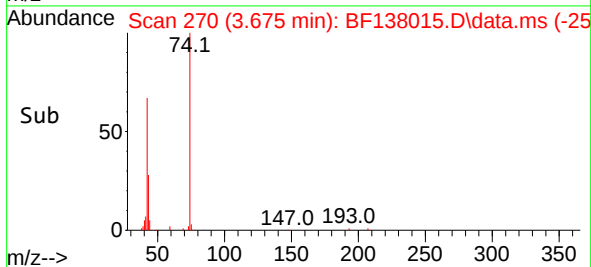
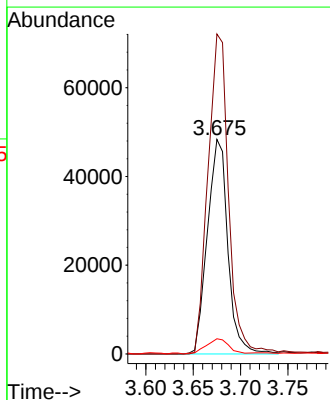
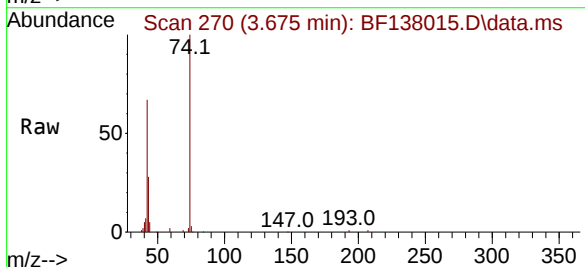
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

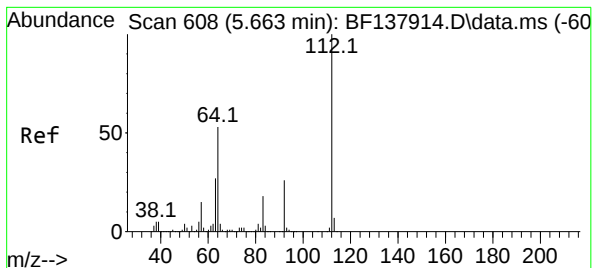
Tgt Ion: 79 Resp: 144003
Ion Ratio Lower Upper
79 100
52 64.6 52.5 78.7
51 29.8 25.1 37.7



#4
n-Nitrosodimethylamine
Concen: 21.935 ng
RT: 3.675 min Scan# 270
Delta R.T. 0.000 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion: 42 Resp: 72652
Ion Ratio Lower Upper
42 100
74 149.2 123.1 184.7
44 7.1 5.0 7.6





#5

2-Fluorophenol

Concen: 46.008 ng

RT: 5.657 min Scan# 608

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

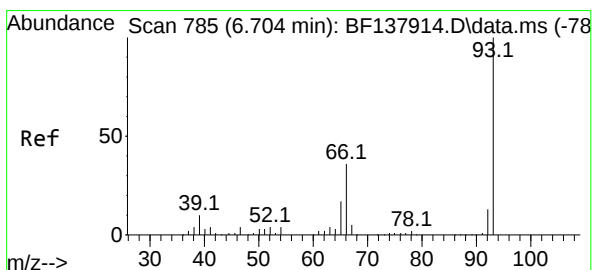
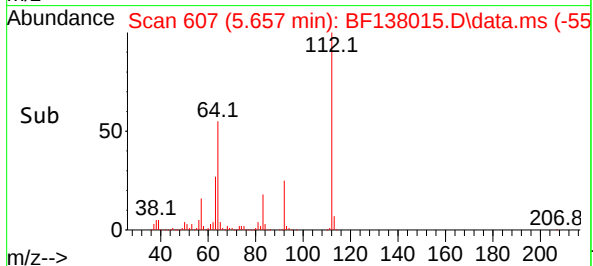
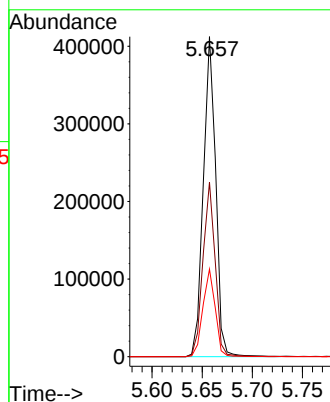
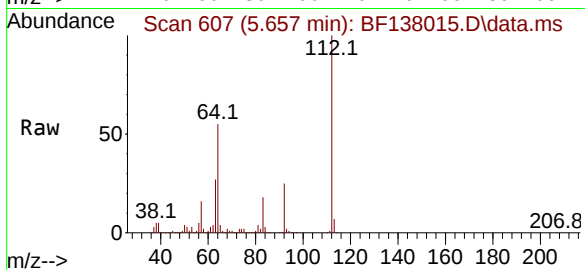
Tgt Ion:112 Resp: 355357

Ion Ratio Lower Upper

112 100

64 54.6 42.4 63.6

63 27.4 21.4 32.2



#6

Aniline

Concen: 17.183 ng

RT: 6.692 min Scan# 783

Delta R.T. -0.012 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

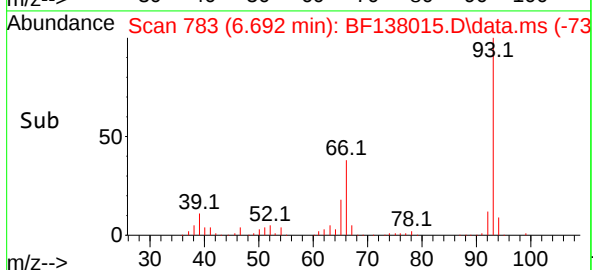
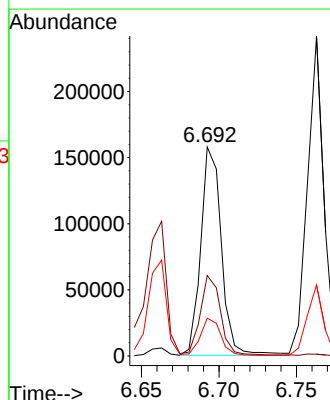
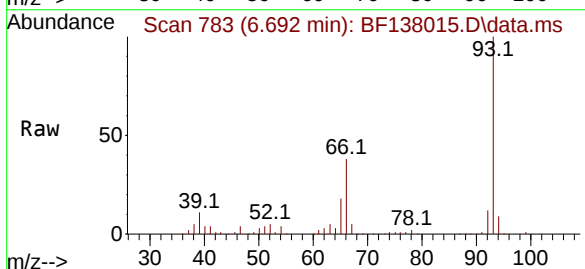
Tgt Ion: 93 Resp: 146230

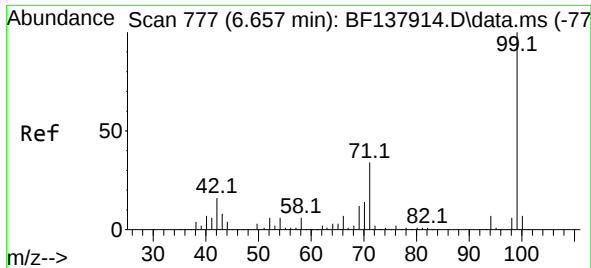
Ion Ratio Lower Upper

93 100

66 38.5 30.7 46.1

65 18.1 15.0 22.4





#7

Phenol-d6

Concen: 45.333 ng

RT: 6.645 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

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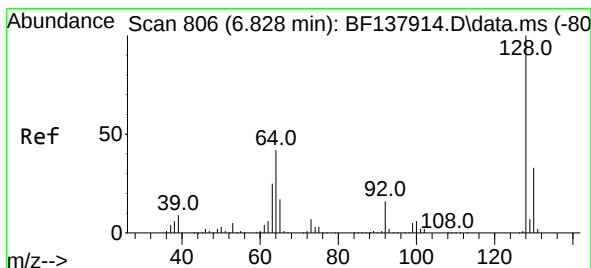
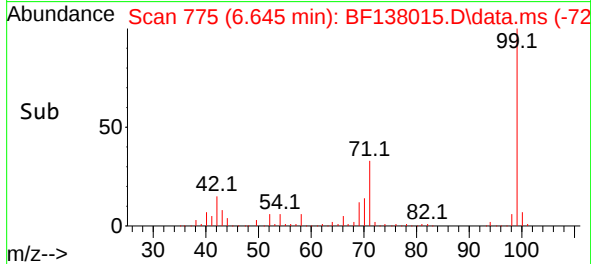
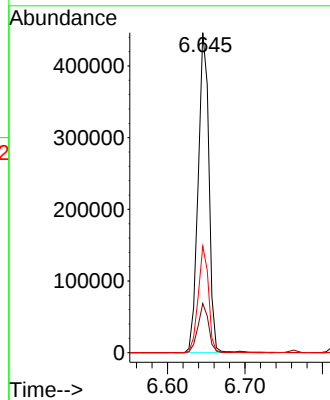
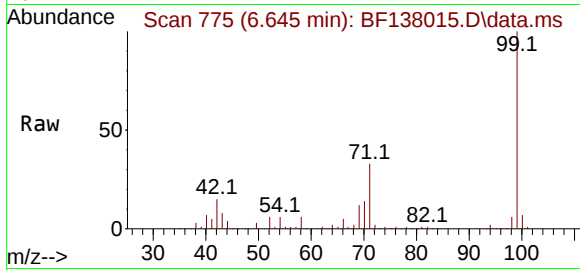
Tgt Ion: 99 Resp: 431320

Ion Ratio Lower Upper

99 100

42 15.4 12.6 18.8

71 33.3 27.1 40.7



#8

2-Chlorophenol

Concen: 23.558 ng

RT: 6.816 min Scan# 804

Delta R.T. -0.012 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

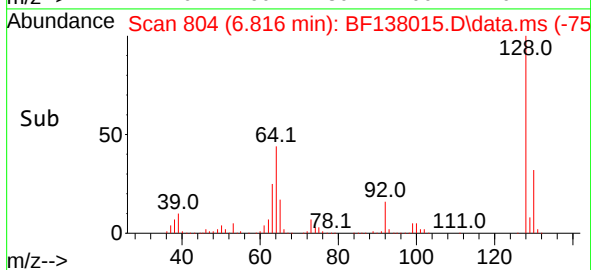
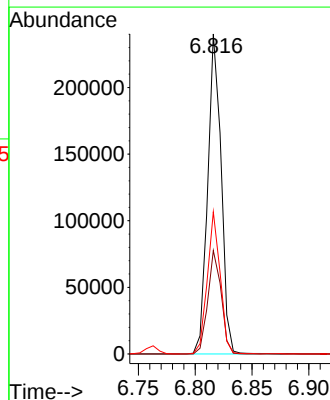
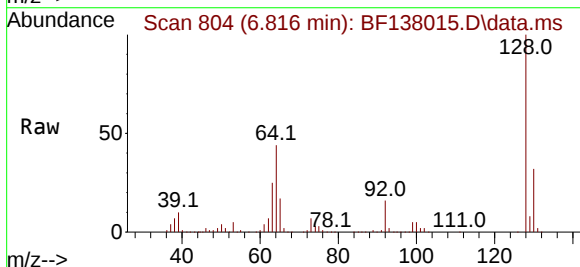
Tgt Ion:128 Resp: 196914

Ion Ratio Lower Upper

128 100

130 32.3 12.8 52.8

64 44.4 22.2 62.2

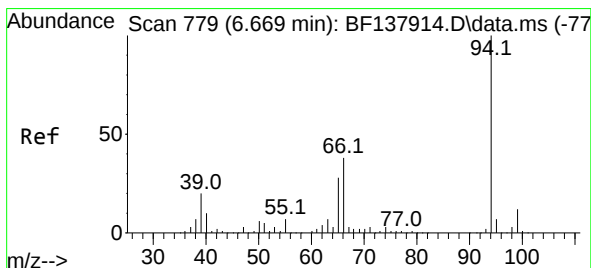
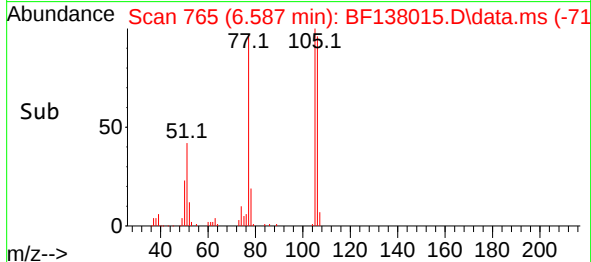
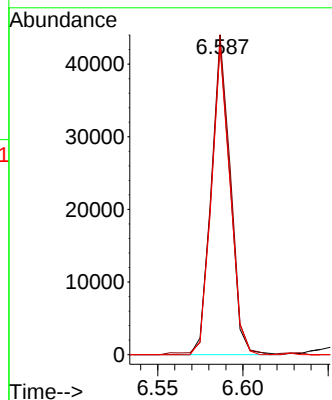
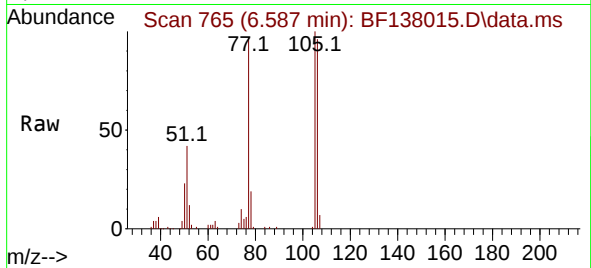




#9
Benzaldehyde
Concen: 6.400 ng
RT: 6.587 min Scan# 77
Delta R.T. -0.011 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

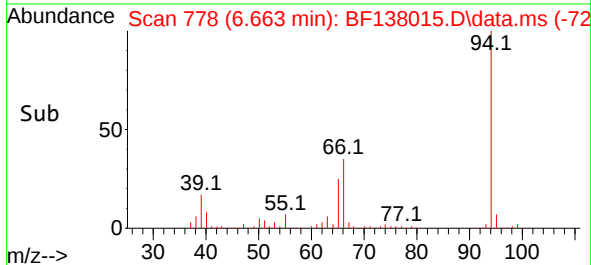
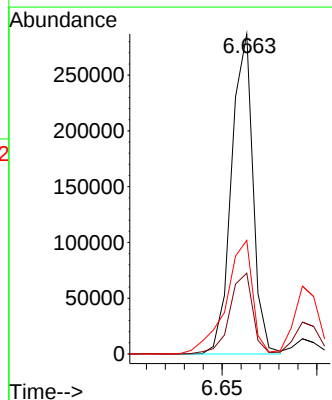
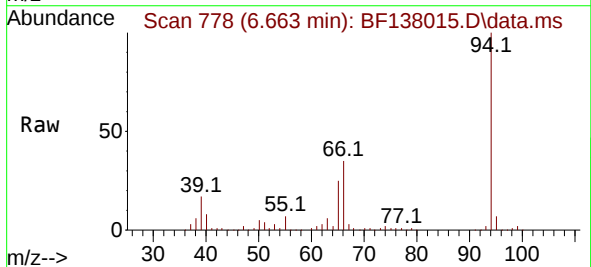
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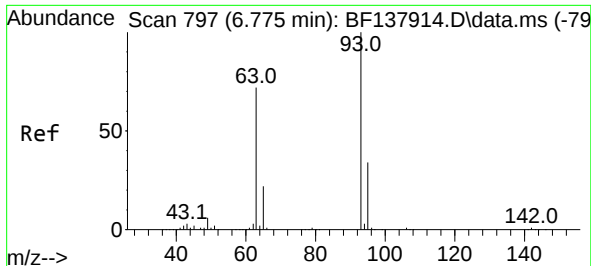
Tgt Ion: 77 Resp: 32946
Ion Ratio Lower Upper
77 100
105 102.7 82.3 122.3
106 98.8 79.2 119.2



#10
Phenol
Concen: 23.505 ng
RT: 6.663 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion: 94 Resp: 225730
Ion Ratio Lower Upper
94 100
65 25.2 7.8 47.8
66 35.5 18.6 58.6

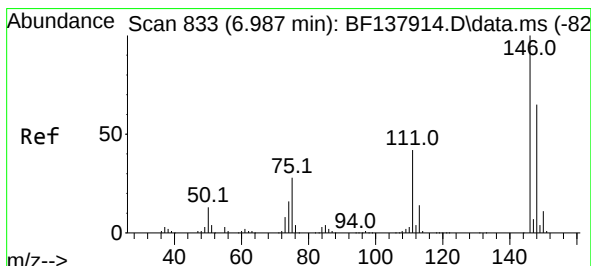
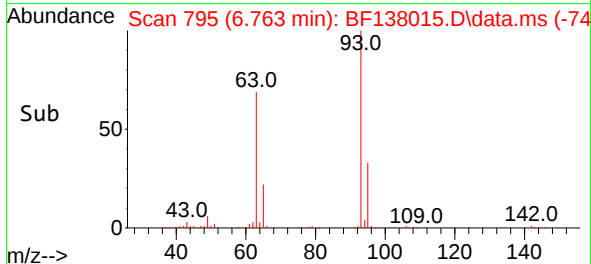
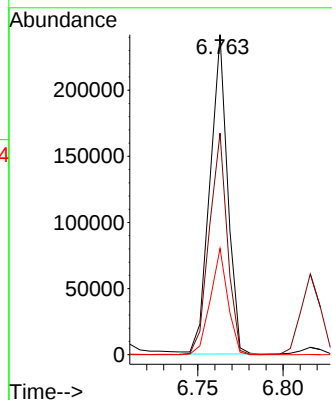
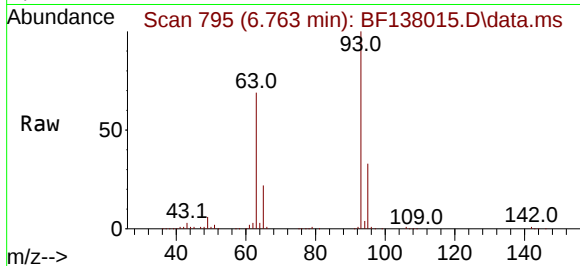




#11
bis(2-Chloroethyl)ether
Concen: 23.691 ng
RT: 6.763 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

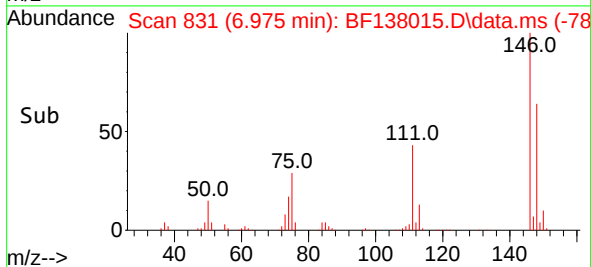
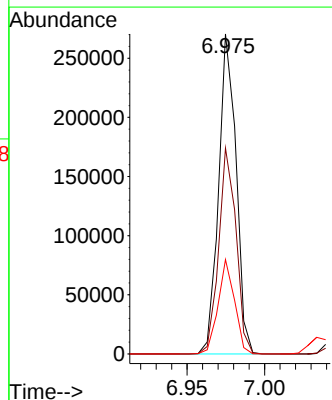
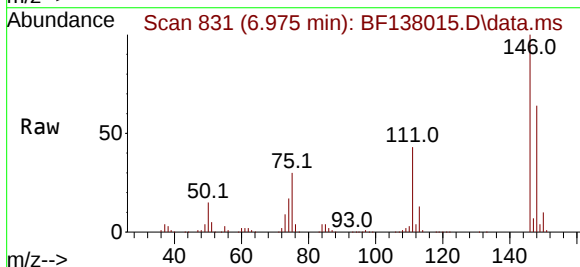
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

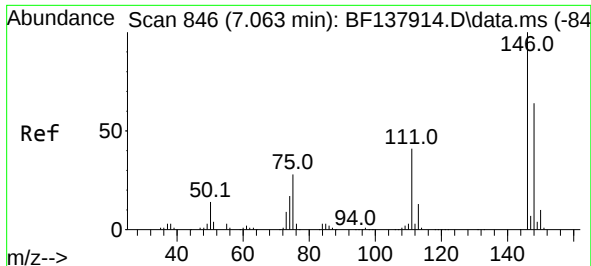
Tgt Ion:	93	Resp:	174689
Ion	Ratio	Lower	Upper
93	100		
63	69.3	51.4	91.4
95	33.2	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 21.883 ng
RT: 6.975 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:	146	Resp:	211634
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.7	77.5
75	29.5	22.4	33.6





#13

1,4-Dichlorobenzene

Concen: 22.278 ng

RT: 7.051 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

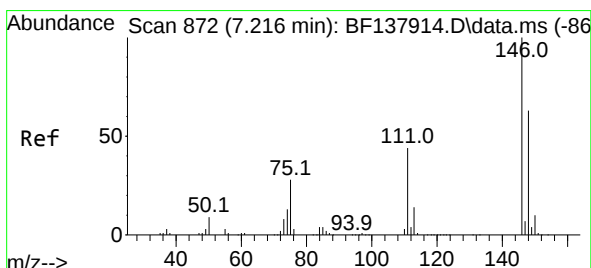
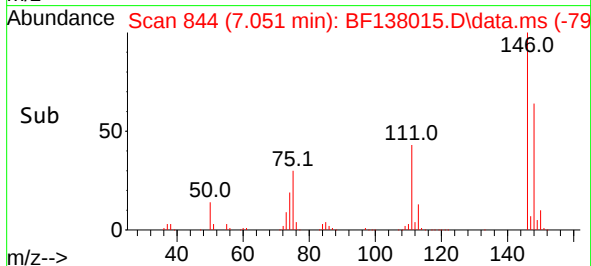
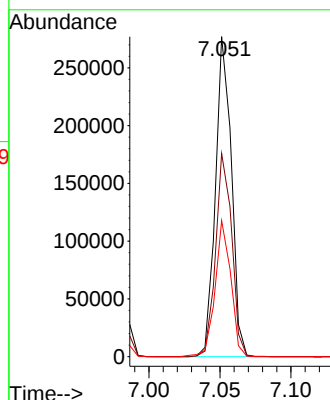
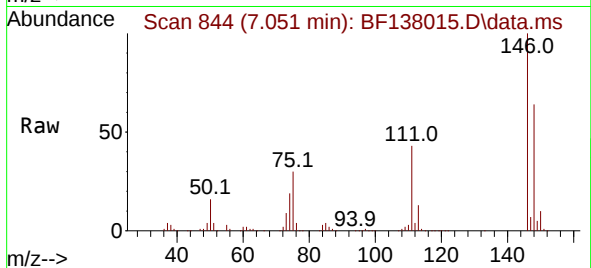
Tgt Ion:146 Resp: 216268

Ion Ratio Lower Upper

146 100

148 63.5 51.0 76.6

111 42.5 32.5 48.7



#14

1,2-Dichlorobenzene

Concen: 22.361 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.012 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

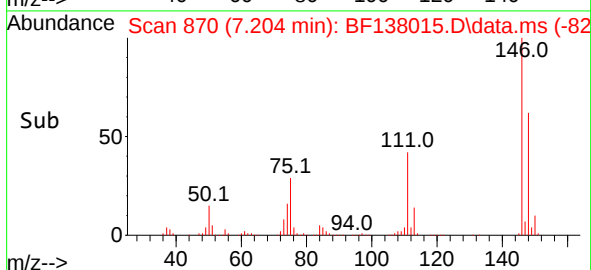
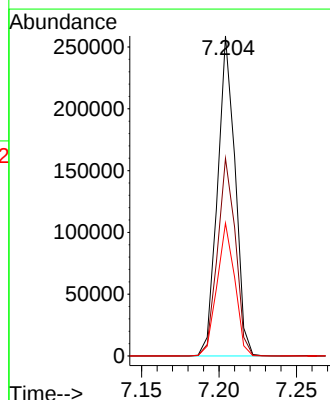
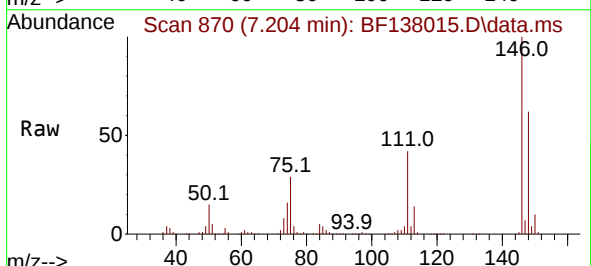
Tgt Ion:146 Resp: 204299

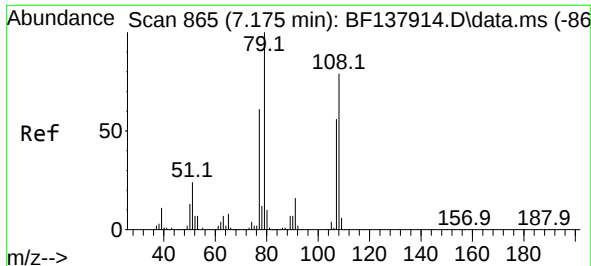
Ion Ratio Lower Upper

146 100

148 61.7 50.2 75.4

111 41.5 35.1 52.7

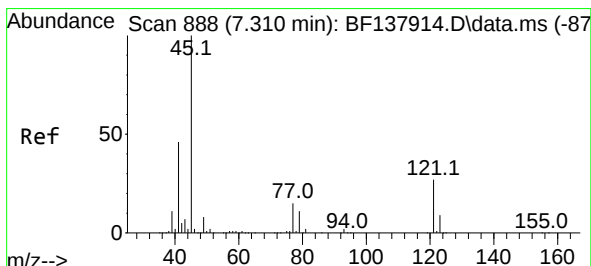
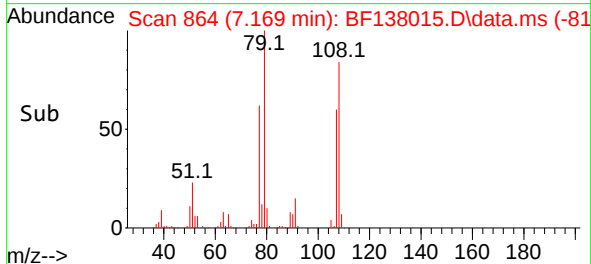
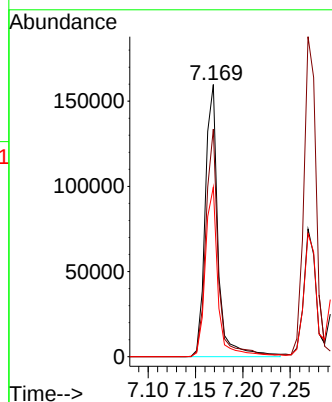
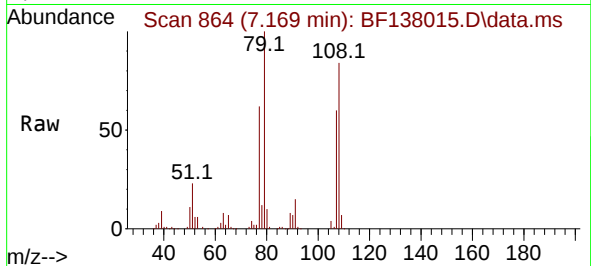




#15
Benzyl Alcohol
Concen: 23.773 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

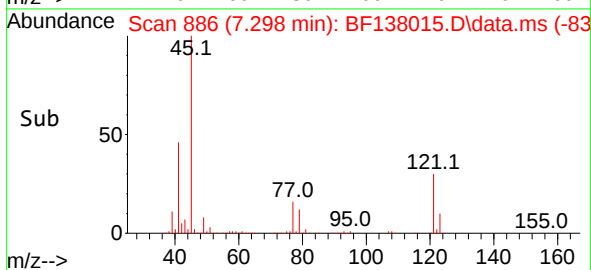
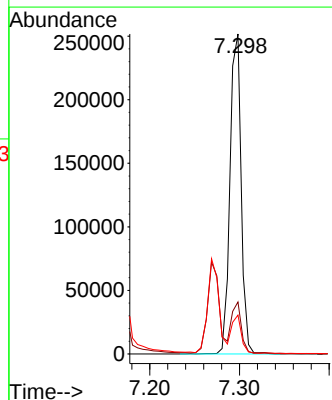
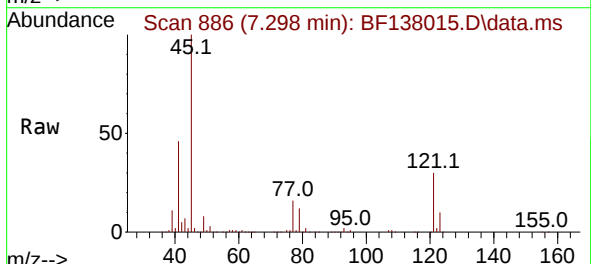
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

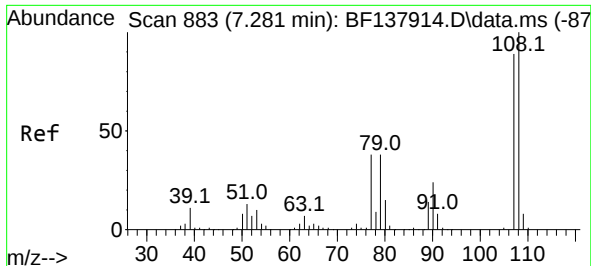
Tgt Ion: 79 Resp: 151037
Ion Ratio Lower Upper
79 100
108 83.7 62.8 94.2
77 62.3 48.7 73.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 23.958 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion: 45 Resp: 217154
Ion Ratio Lower Upper
45 100
77 16.3 0.0 35.3
79 12.1 0.0 32.1

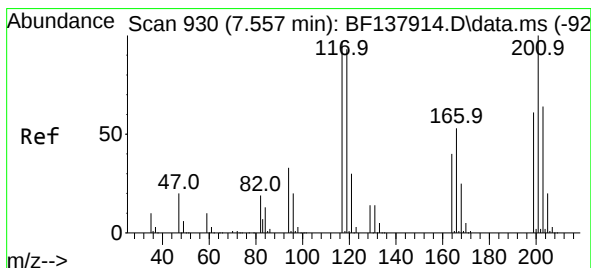
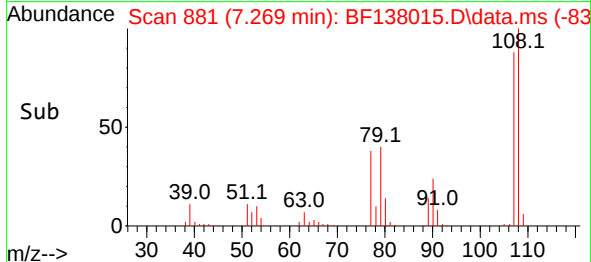
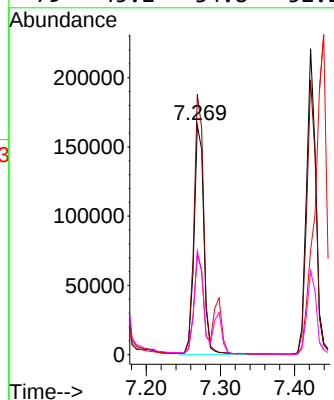
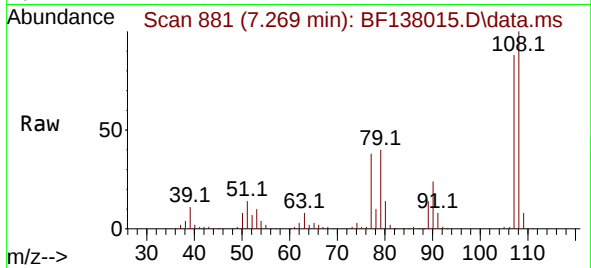




#17
2-Methylphenol
Concen: 22.705 ng
RT: 7.269 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

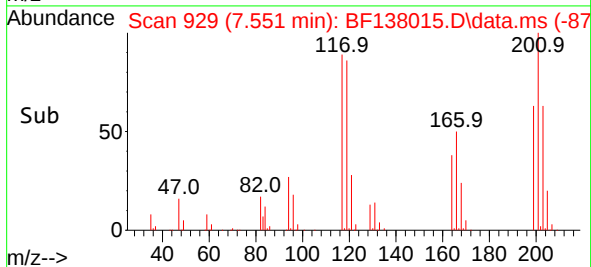
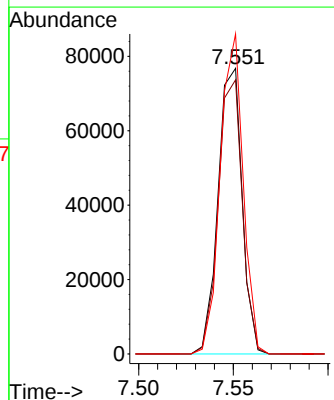
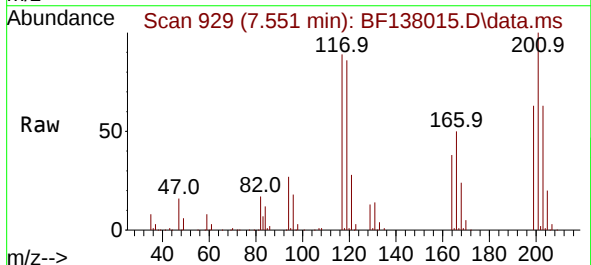
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

Tgt Ion:107	Resp: 151351
Ion Ratio	Lower Upper
107	100
108	113.4 90.1 135.1
77	43.6 34.3 51.5
79	45.2 34.8 52.2



#18
Hexachloroethane
Concen: 20.708 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:117	Resp: 68025
Ion Ratio	Lower Upper
117	100
119	96.0 76.8 115.2
201	112.1 82.7 124.1



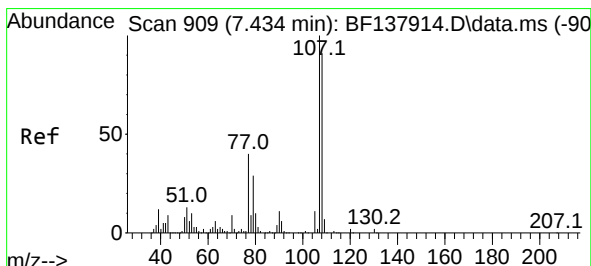
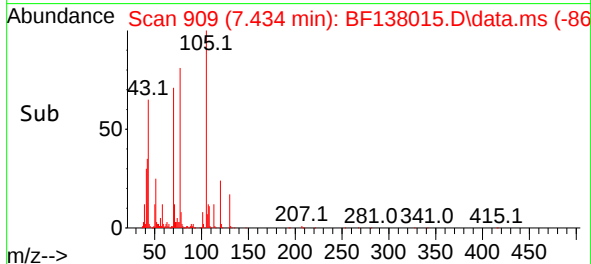
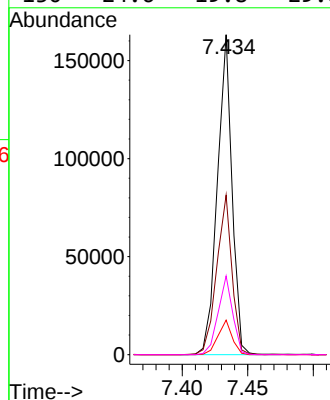
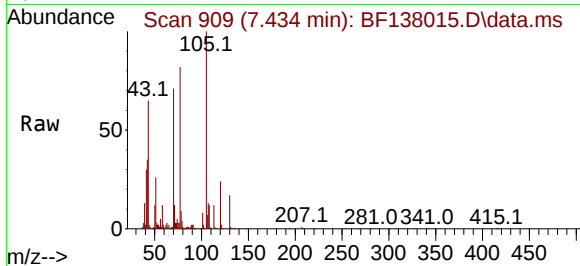


#19
n-Nitroso-di-n-propylamine
Concen: 23.667 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

Tgt Ion: 70 Resp: 126511

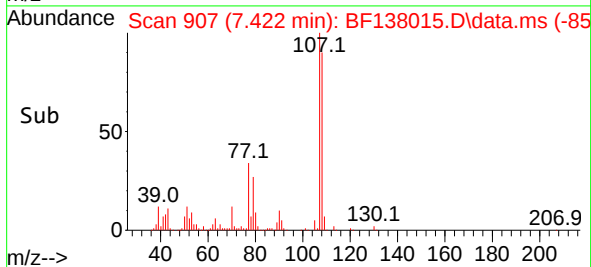
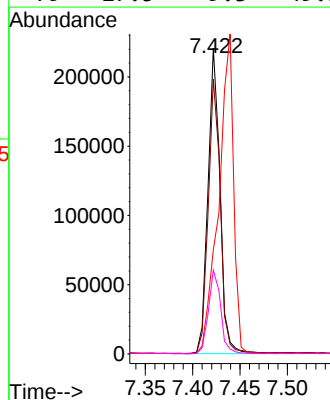
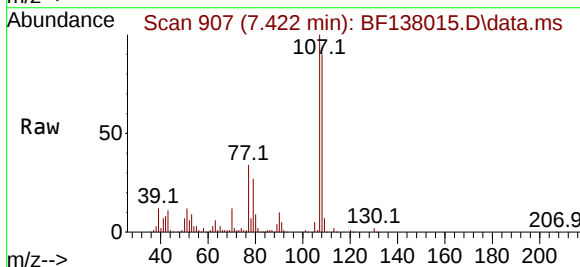
Ion	Ratio	Lower	Upper
70	100		
42	49.8	42.2	63.4
101	10.8	8.8	13.2
130	24.6	19.8	29.8

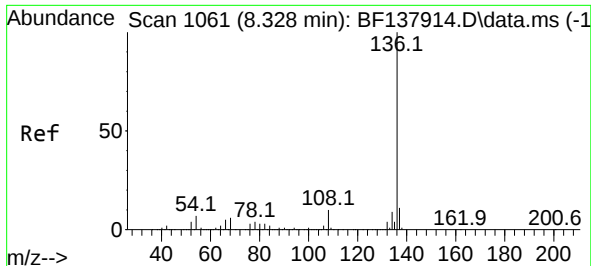


#20
3+4-Methylphenols
Concen: 22.250 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion: 107 Resp: 194305

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.8	110.8
77	34.1	20.2	60.2
79	27.5	9.3	49.3

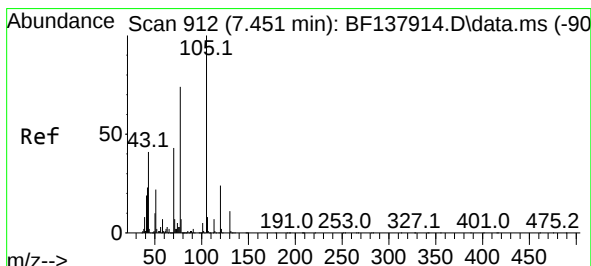
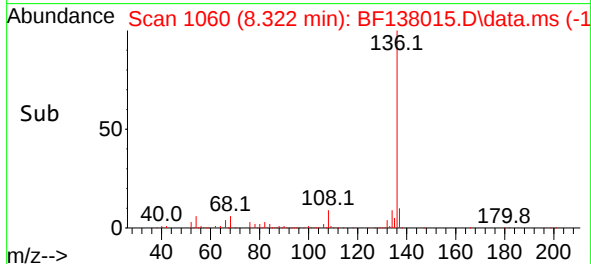
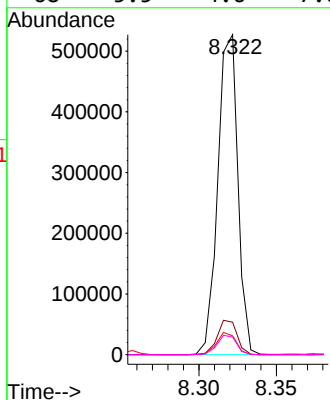
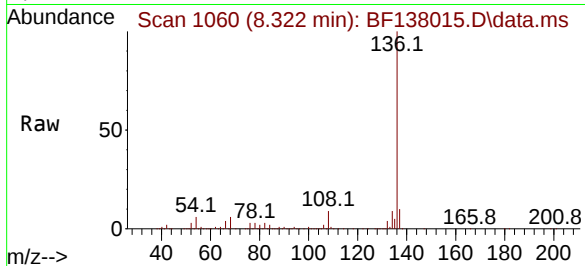




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

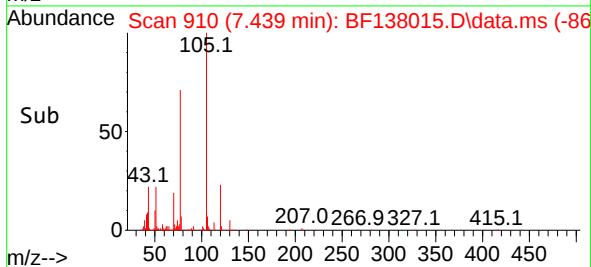
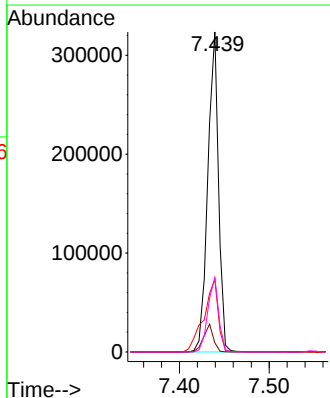
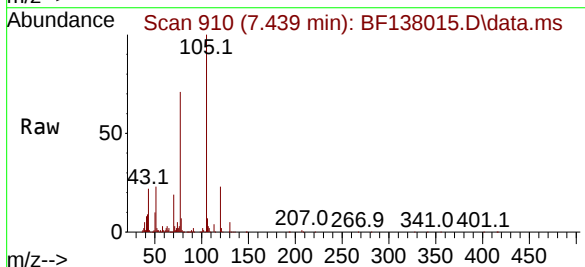
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

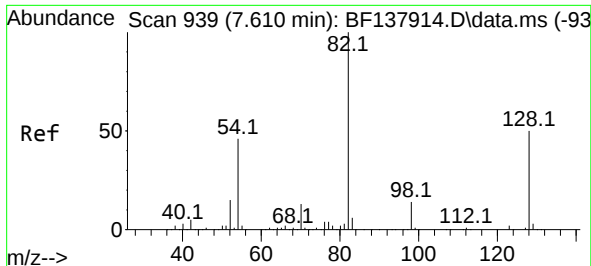
Tgt Ion:	136	Resp:	475528
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.7	13.1
54	5.9	5.4	8.2
68	5.5	4.6	7.0



#22
Acetophenone
Concen: 25.158 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:	105	Resp:	268004
Ion	Ratio	Lower	Upper
105	100		
71	2.8	5.7	8.5#
51	22.7	17.8	26.8
120	23.2	19.0	28.6





#23

Nitrobenzene-d5

Concen: 31.122 ng

RT: 7.592 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

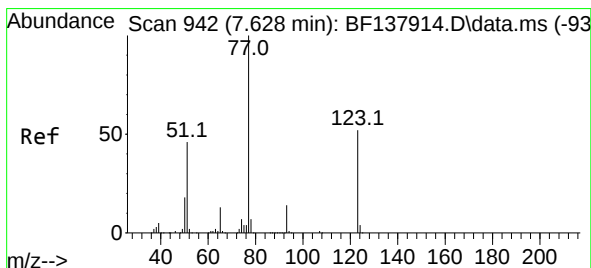
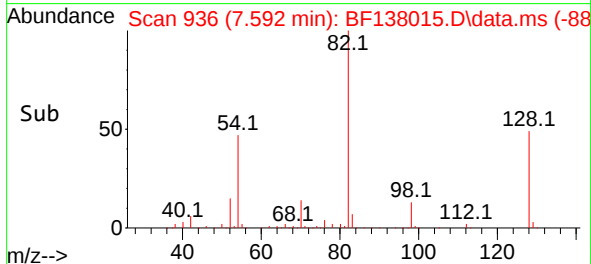
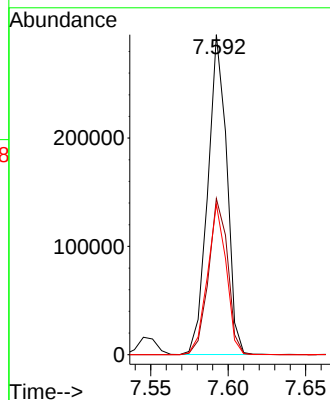
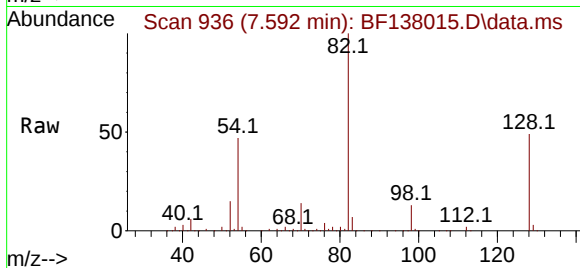
Tgt Ion: 82 Resp: 251478

Ion Ratio Lower Upper

82 100

128 48.8 40.3 60.5

54 47.0 36.8 55.2



#24

Nitrobenzene

Concen: 22.700 ng

RT: 7.616 min Scan# 940

Delta R.T. -0.012 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

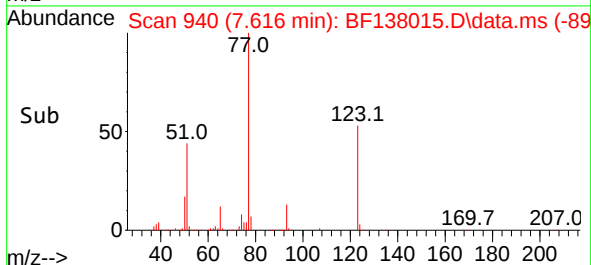
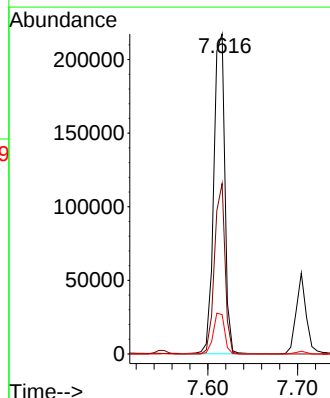
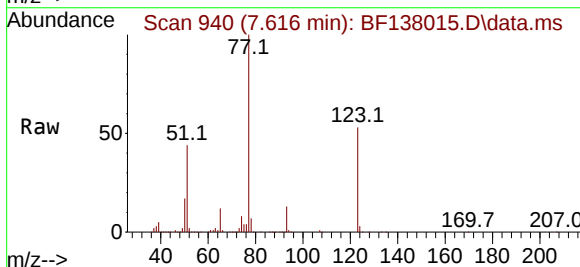
Tgt Ion: 77 Resp: 186075

Ion Ratio Lower Upper

77 100

123 53.2 41.4 62.2

65 12.3 10.5 15.7

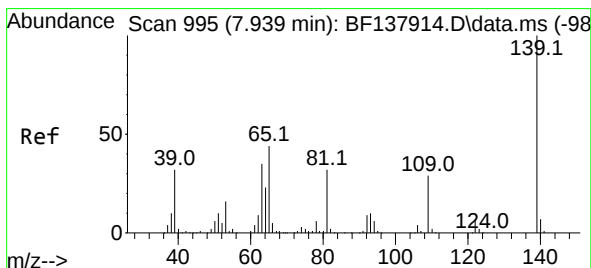
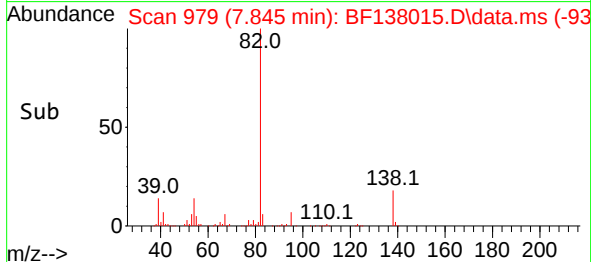
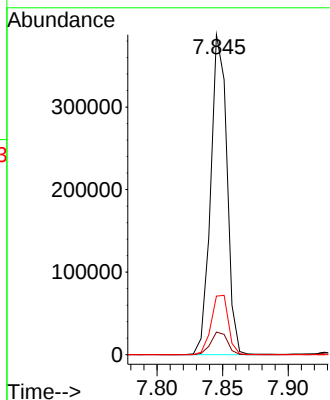
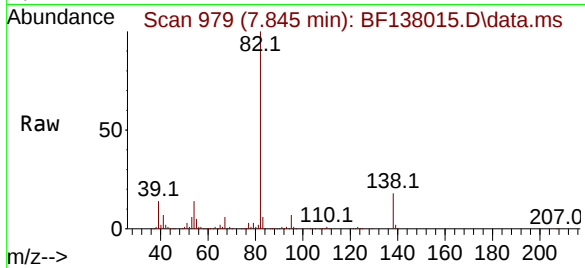




#25
Isophorone
Concen: 23.915 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

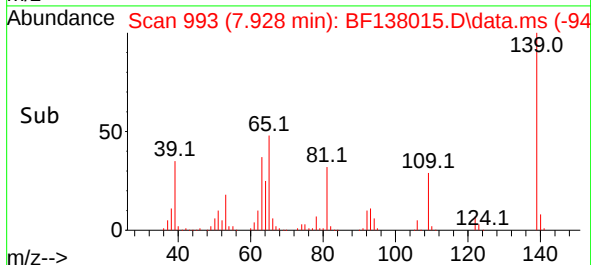
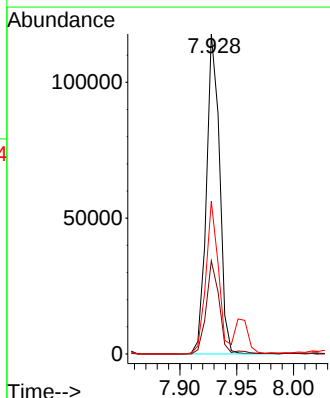
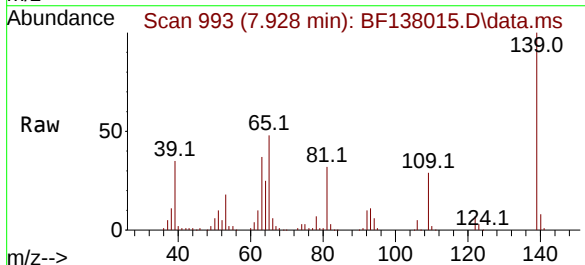
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

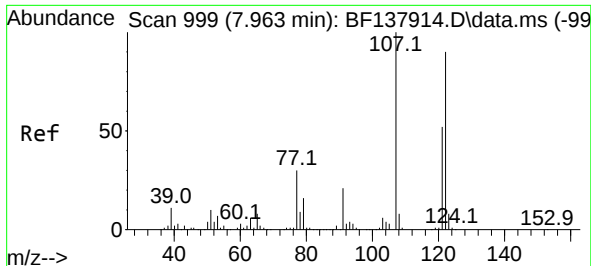
Tgt Ion: 82 Resp: 335379
Ion Ratio Lower Upper
82 100
95 7.0 6.0 9.0
138 18.3 15.0 22.4



#26
2-Nitrophenol
Concen: 22.925 ng
RT: 7.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:139 Resp: 94424
Ion Ratio Lower Upper
139 100
109 29.1 22.8 34.2
65 47.7 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 25.162 ng

RT: 7.957 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF138015.D

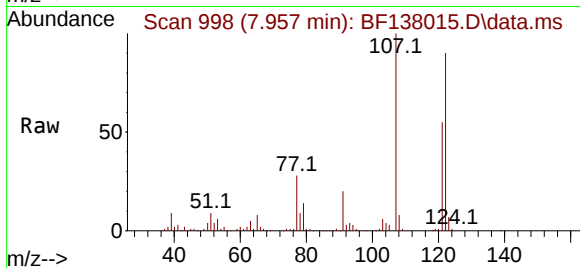
Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD



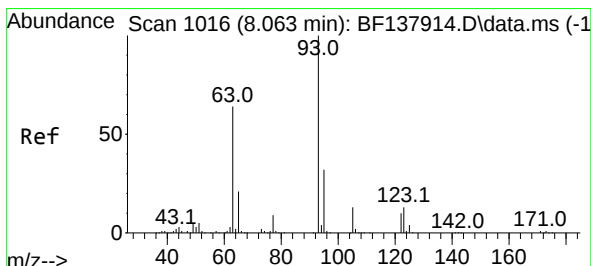
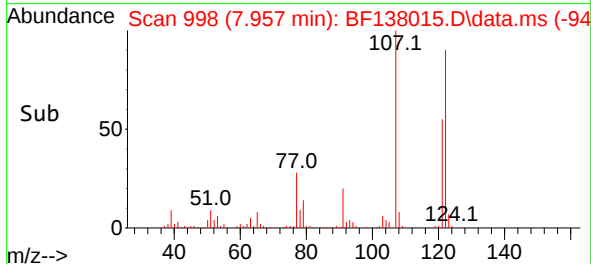
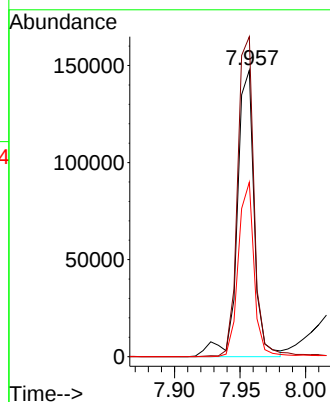
Tgt Ion:122 Resp: 133430

Ion Ratio Lower Upper

122 100

107 111.7 89.0 133.4

121 60.9 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 24.540 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

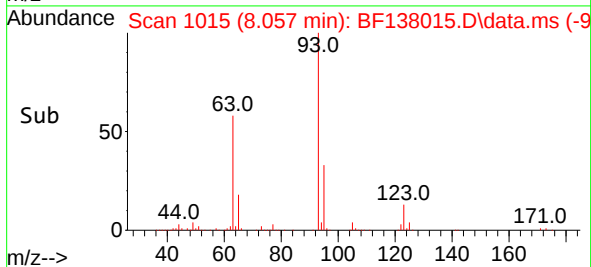
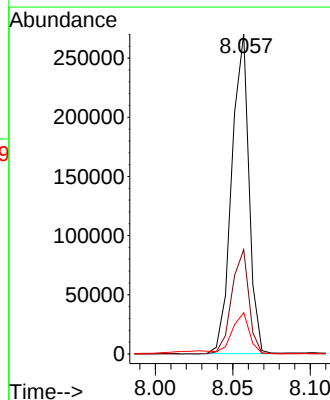
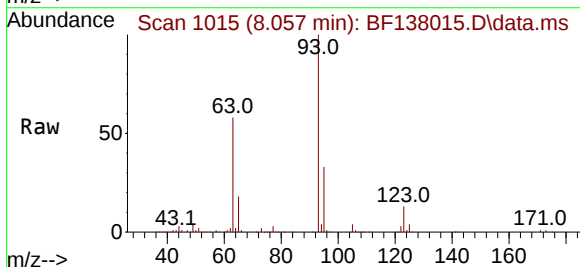
Tgt Ion: 93 Resp: 208574

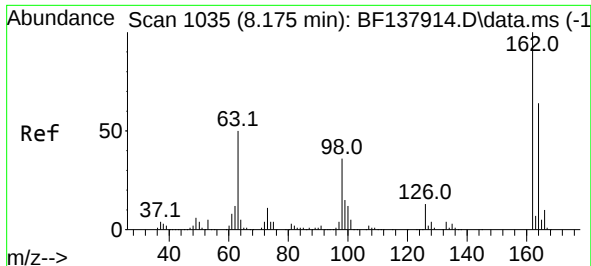
Ion Ratio Lower Upper

93 100

95 32.6 25.9 38.9

123 12.9 10.4 15.6





#29

2,4-Dichlorophenol

Concen: 22.336 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

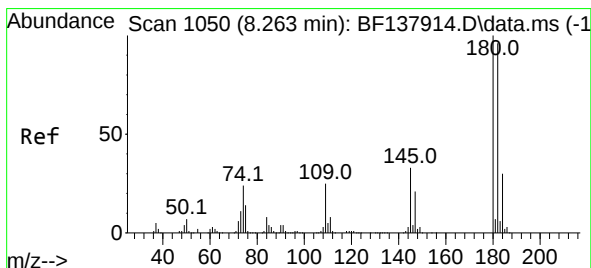
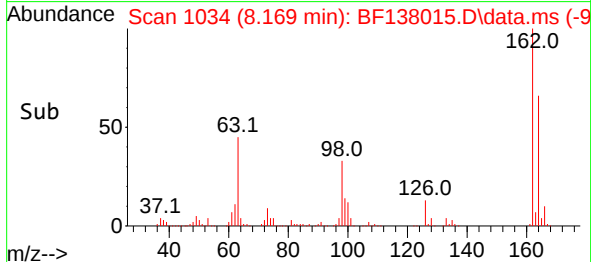
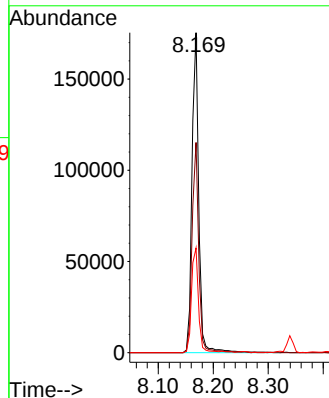
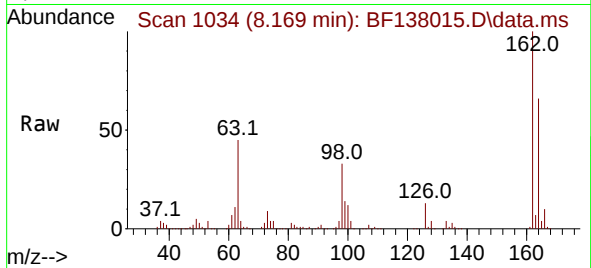
Tgt Ion:162 Resp: 148944

Ion Ratio Lower Upper

162 100

164 65.7 44.3 84.3

98 32.7 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 22.261 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

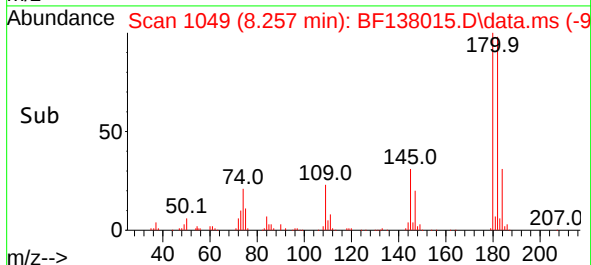
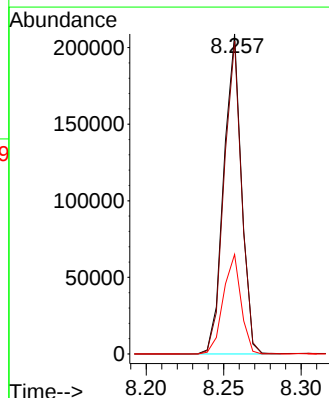
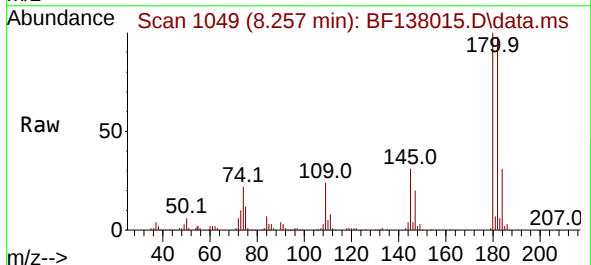
Tgt Ion:180 Resp: 165740

Ion Ratio Lower Upper

180 100

182 97.7 76.5 114.7

145 31.1 26.2 39.2

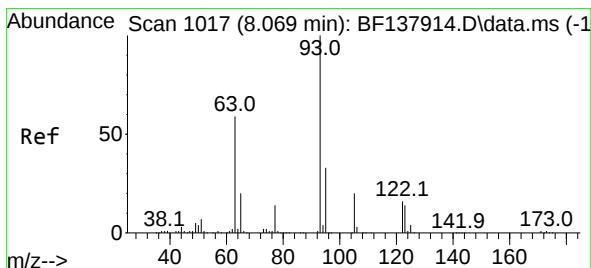
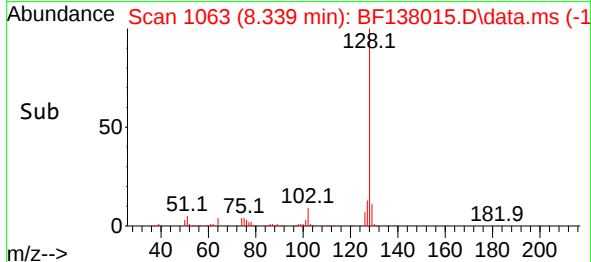
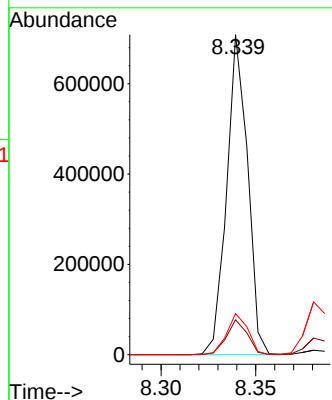
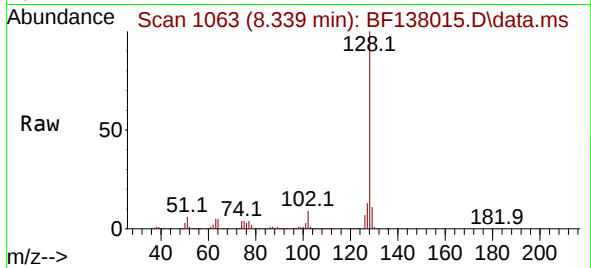




#31
Naphthalene
Concen: 22.768 ng
RT: 8.339 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

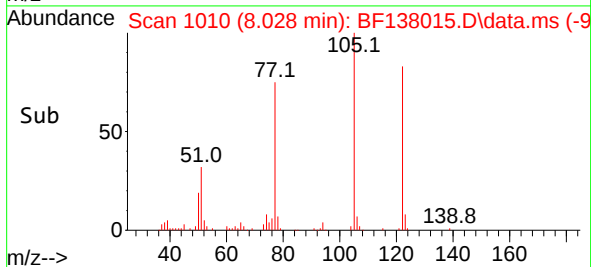
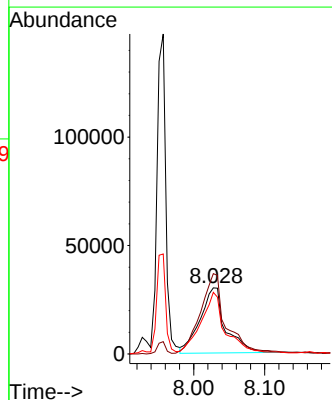
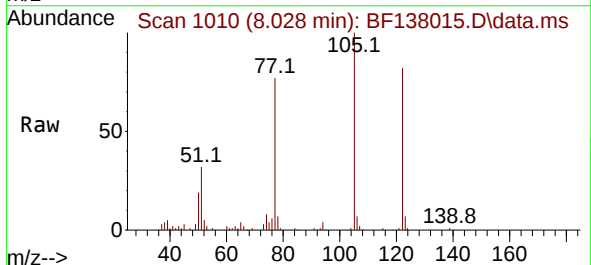
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

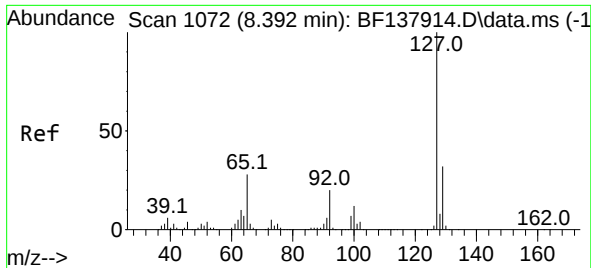
Tgt Ion:128 Resp: 544380
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.8 10.6 16.0



#32
Benzoic acid
Concen: 16.817 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.041 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:122 Resp: 75386
Ion Ratio Lower Upper
122 100
105 121.4 103.8 143.8
77 93.2 68.4 108.4

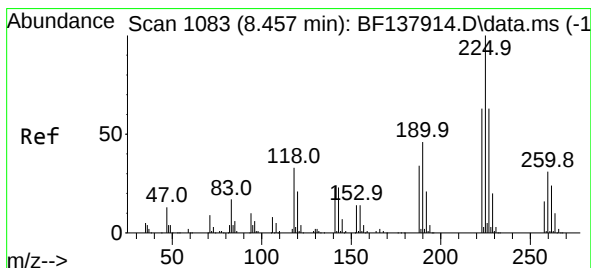
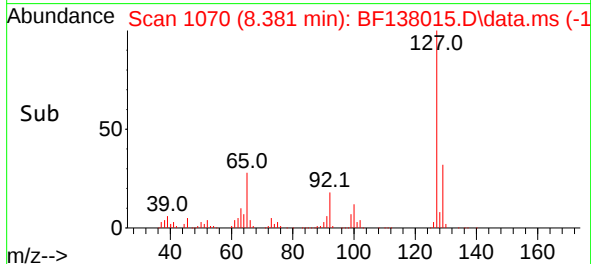
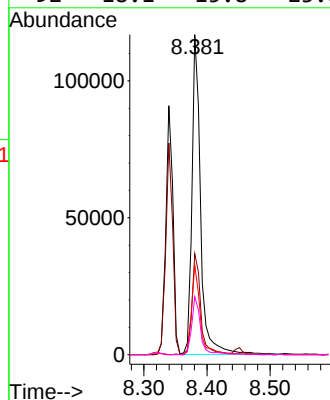
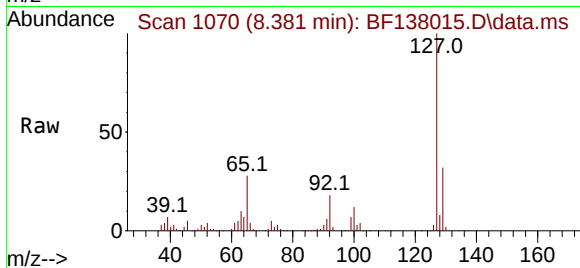




#33
4-Chloroaniline
Concen: 14.268 ng
RT: 8.381 min Scan# 1070
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

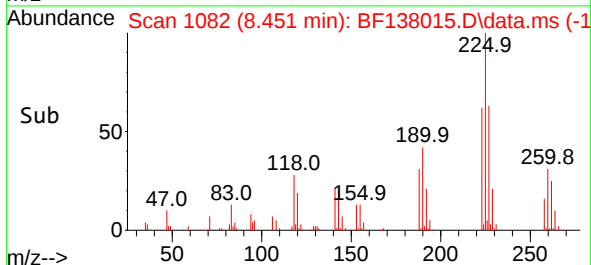
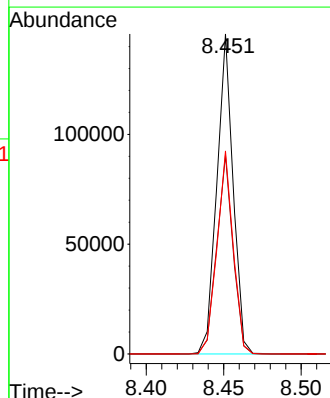
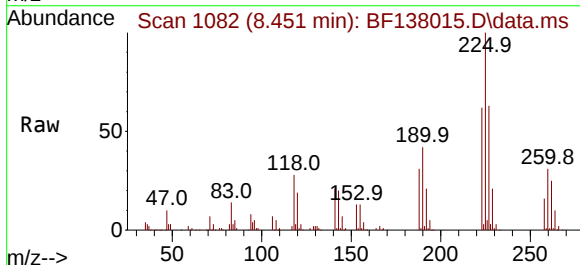
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

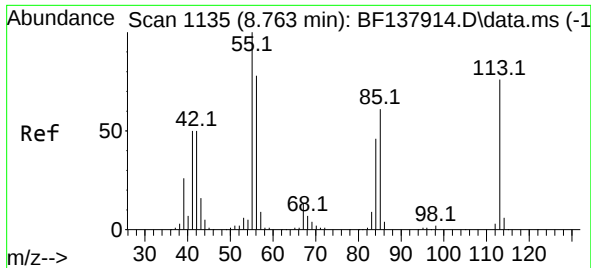
Tgt Ion:	127	Resp:	111830
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	27.9	22.0	33.0
92	18.1	15.8	23.8



#34
Hexachlorobutadiene
Concen: 22.530 ng
RT: 8.451 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:	225	Resp:	106176
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.0	75.0
227	63.4	50.2	75.4

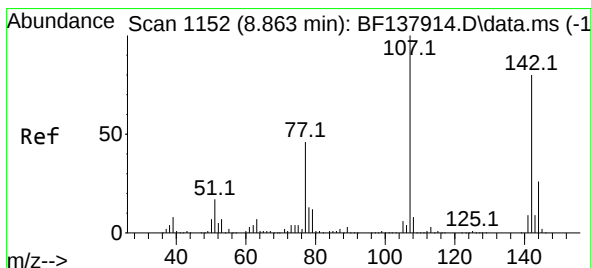
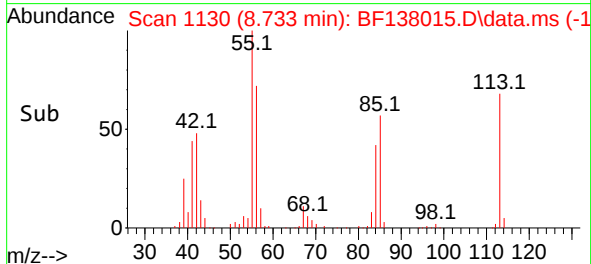
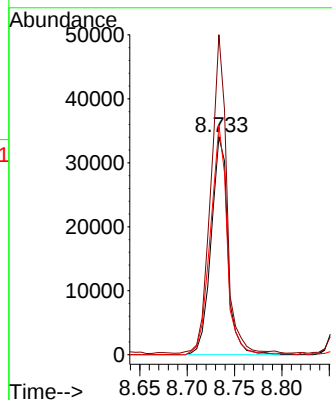
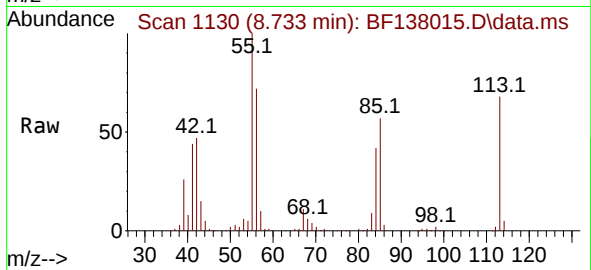




#35
 Caprolactam
 Concen: 21.548 ng
 RT: 8.733 min Scan# 1130
 Delta R.T. -0.029 min
 Lab File: BF138015.D
 Acq: 22 May 2024 20:26

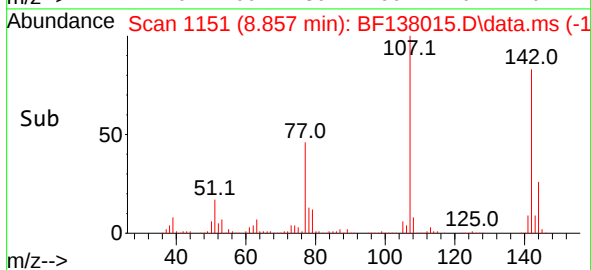
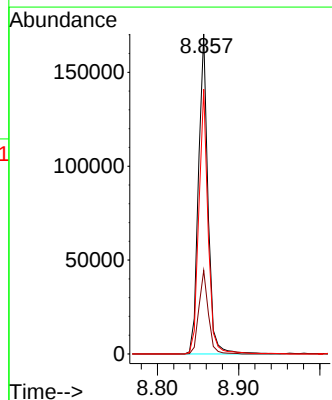
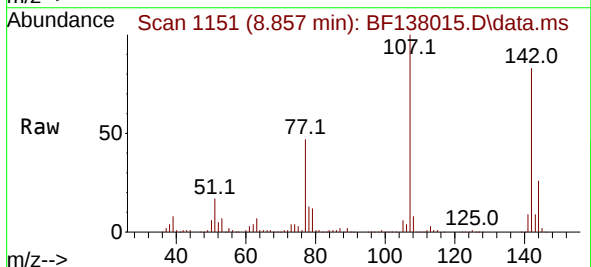
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-05212024MSD

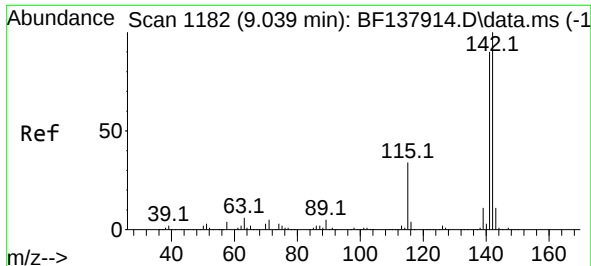
Tgt Ion:113	Resp:	41629
Ion	Ratio	Lower Upper
113	100	
55	147.0	112.3 152.3
56	105.4	82.7 122.7



#36
 4-Chloro-3-methylphenol
 Concen: 20.621 ng
 RT: 8.857 min Scan# 1151
 Delta R.T. -0.006 min
 Lab File: BF138015.D
 Acq: 22 May 2024 20:26

Tgt Ion:107	Resp:	139884
Ion	Ratio	Lower Upper
107	100	
144	26.1	20.7 31.1
142	82.7	64.0 96.0

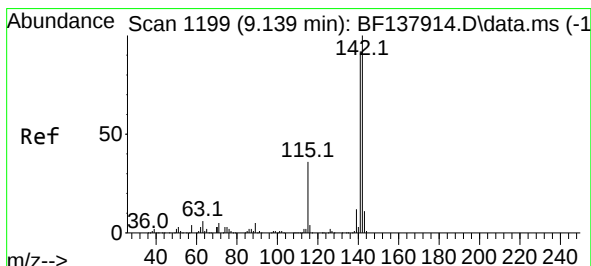
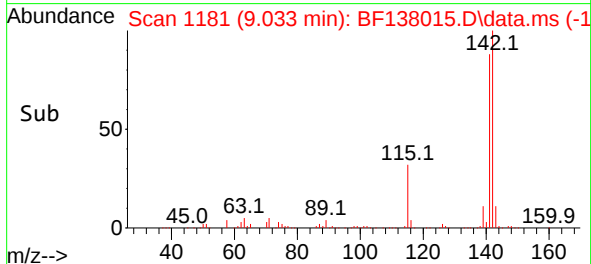
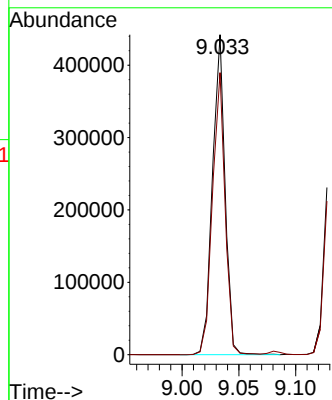
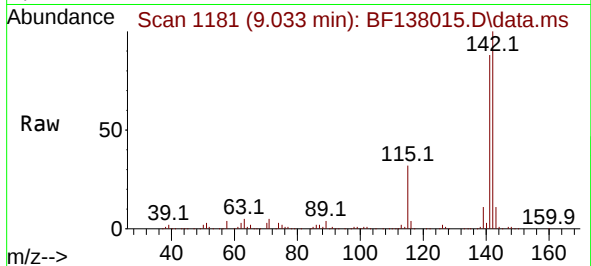




#37
2-Methylnaphthalene
Concen: 22.105 ng
RT: 9.033 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

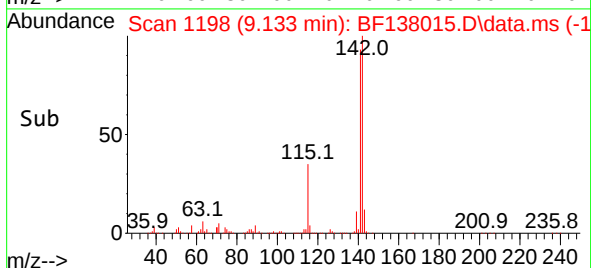
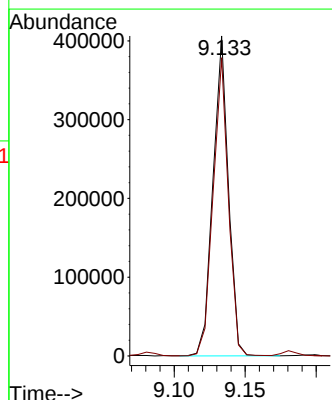
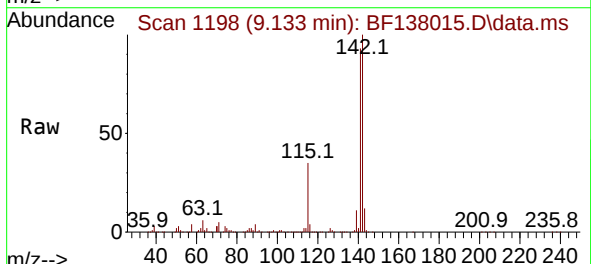
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

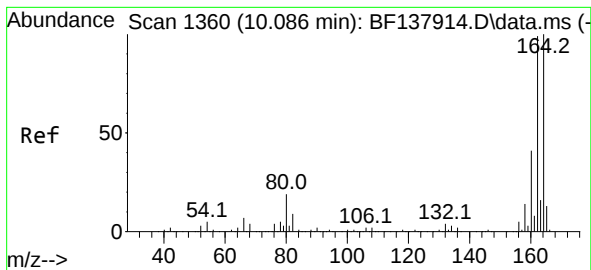
Tgt Ion:142 Resp: 339729
Ion Ratio Lower Upper
142 100
141 88.2 72.0 108.0



#38
1-Methylnaphthalene
Concen: 20.357 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:142 Resp: 307581
Ion Ratio Lower Upper
142 100
141 93.2 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: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

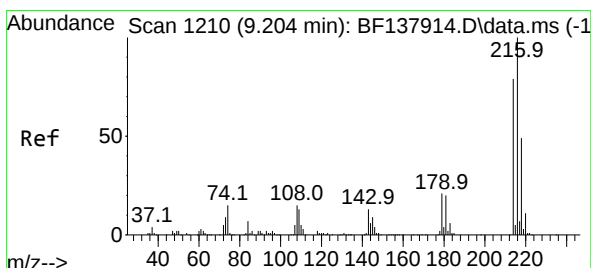
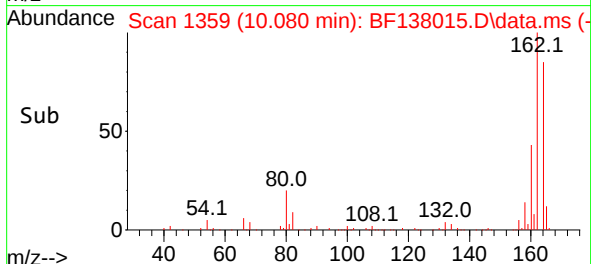
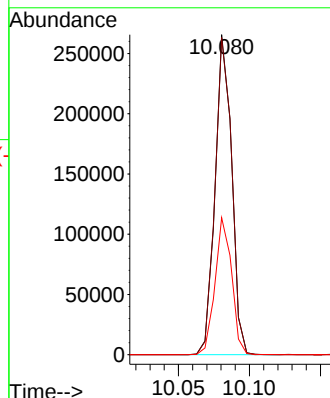
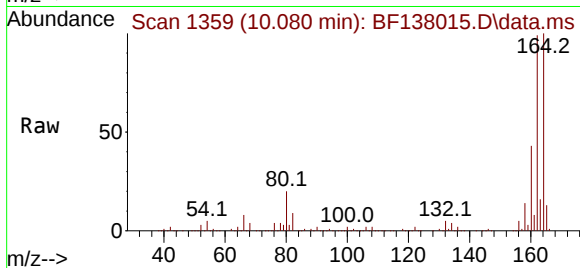
Tgt Ion:164 Resp: 215360

Ion Ratio Lower Upper

164 100

162 99.1 79.4 119.2

160 42.8 33.1 49.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 26.986 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Tgt Ion:216 Resp: 158001

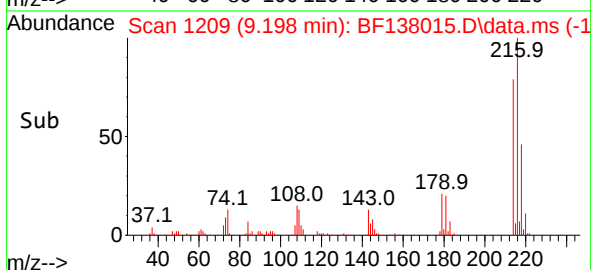
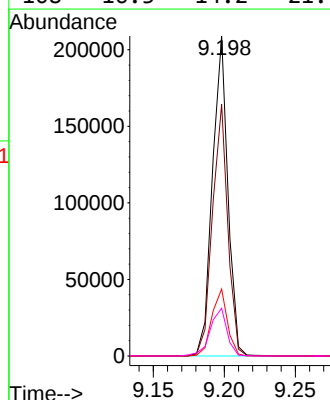
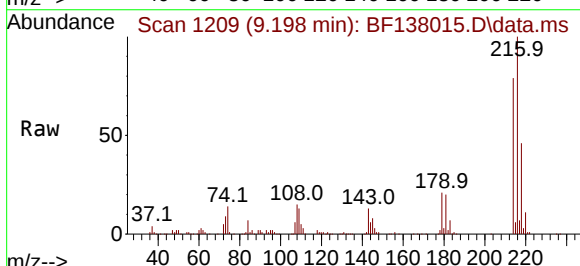
Ion Ratio Lower Upper

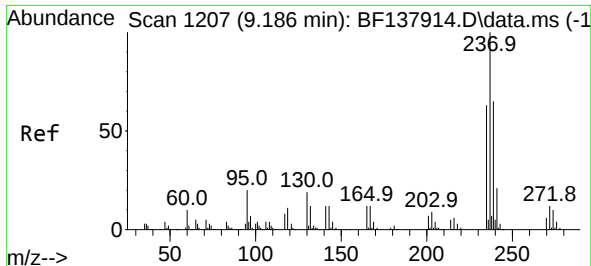
216 100

214 78.0 63.4 95.2

179 21.0 17.0 25.4

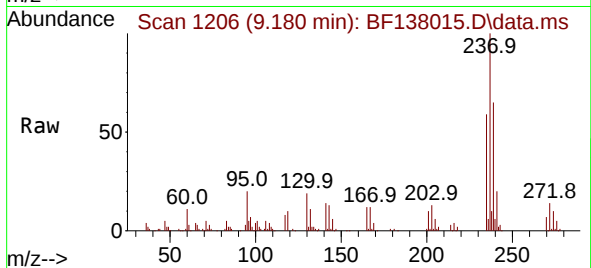
108 16.3 14.2 21.4



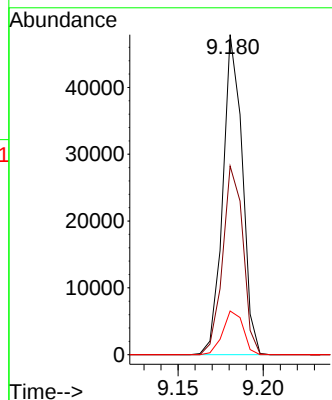
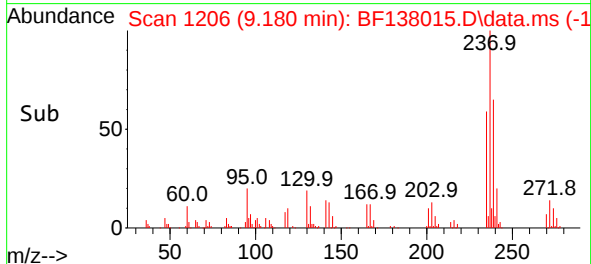


#41
Hexachlorocyclopentadiene
Concen: 17.113 ng
RT: 9.180 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

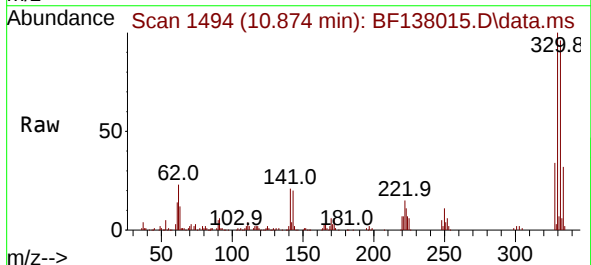
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD



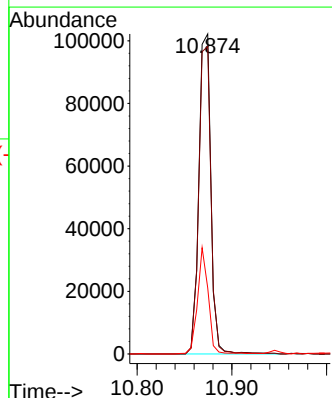
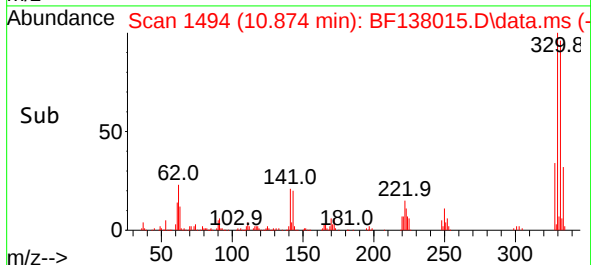
Tgt Ion:237 Resp: 38070
Ion Ratio Lower Upper
237 100
235 58.9 42.8 82.8
272 13.7 0.0 32.0

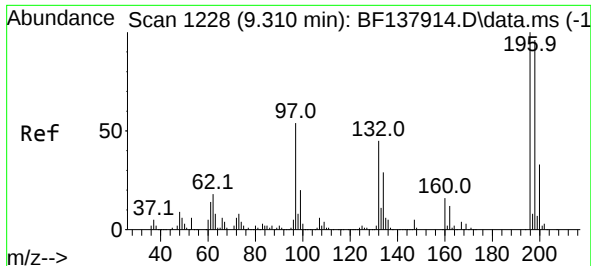


#42
2,4,6-Tribromophenol
Concen: 41.669 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26



Tgt Ion:330 Resp: 90484
Ion Ratio Lower Upper
330 100
332 97.3 75.8 113.8
141 29.6 23.8 35.6

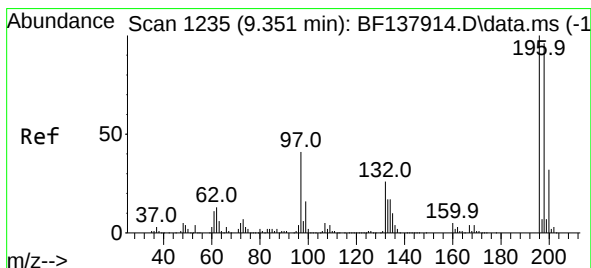
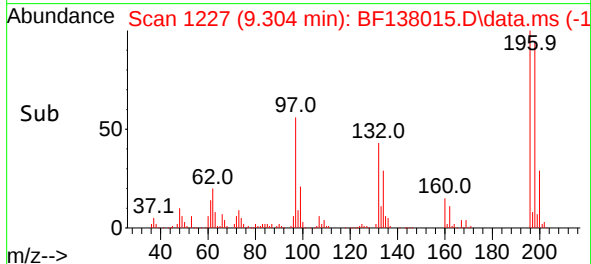
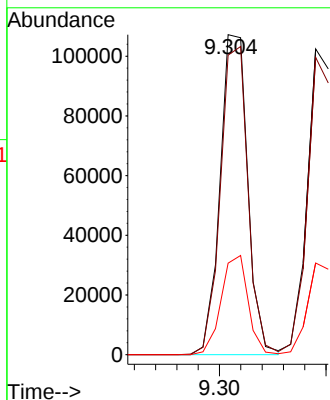
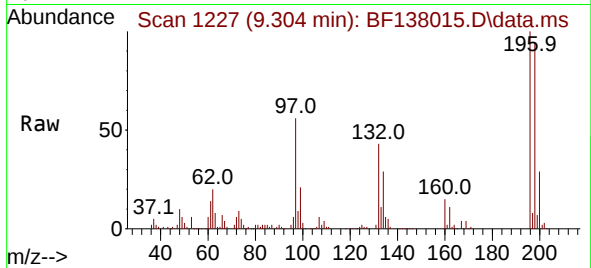




#43
2,4,6-Trichlorophenol
Concen: 25.271 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

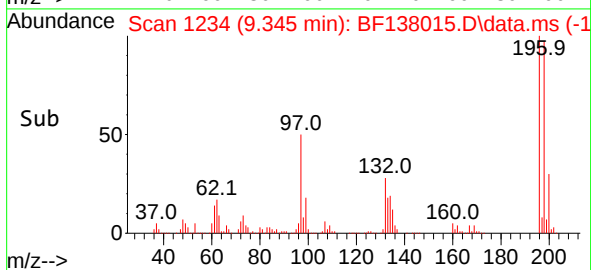
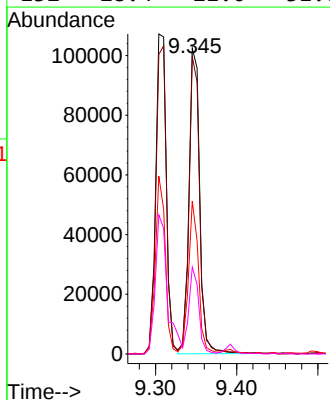
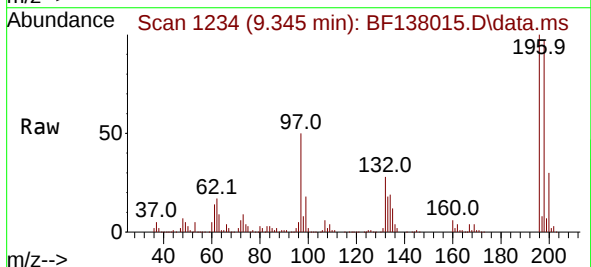
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

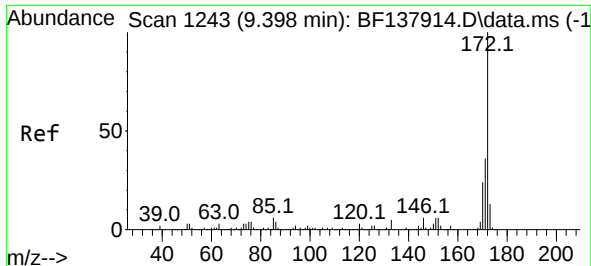
Tgt Ion:196 Resp: 97010
Ion Ratio Lower Upper
196 100
198 93.6 77.0 115.4
200 28.6 26.2 39.2



#44
2,4,5-Trichlorophenol
Concen: 22.519 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:196 Resp: 94588
Ion Ratio Lower Upper
196 100
198 97.3 77.4 116.0
97 50.1 32.9 49.3#
132 28.4 21.0 31.6





#45

2-Fluorobiphenyl

Concen: 36.940 ng

RT: 9.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

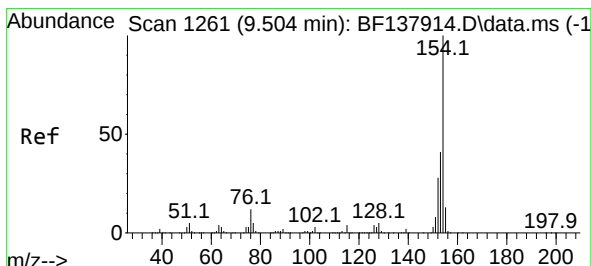
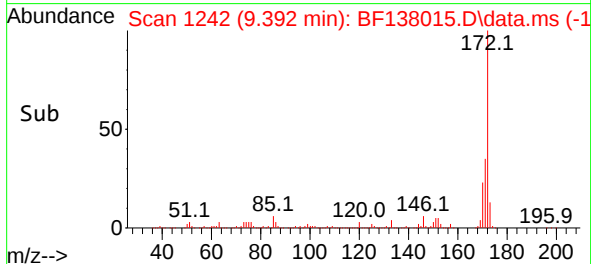
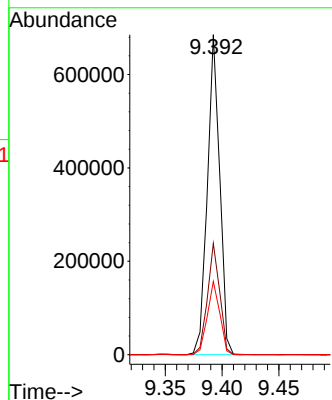
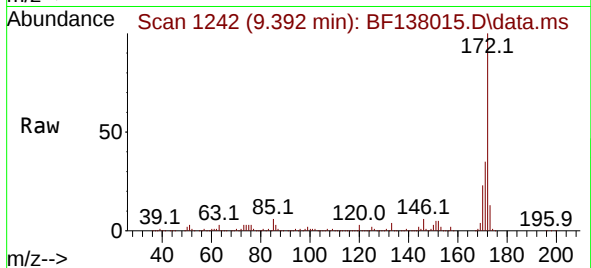
Tgt Ion:172 Resp: 516459

Ion Ratio Lower Upper

172 100

171 34.8 28.9 43.3

170 22.9 18.9 28.3



#46

1,1'-Biphenyl

Concen: 26.679 ng

RT: 9.498 min Scan# 1260

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

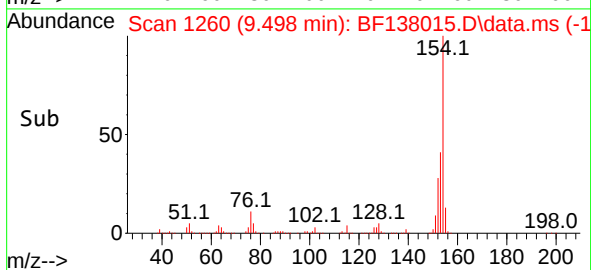
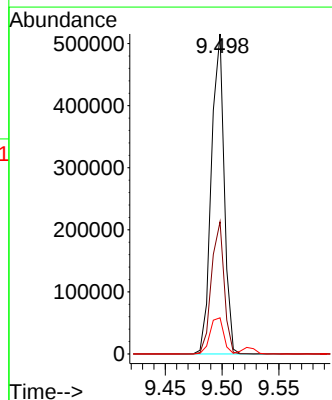
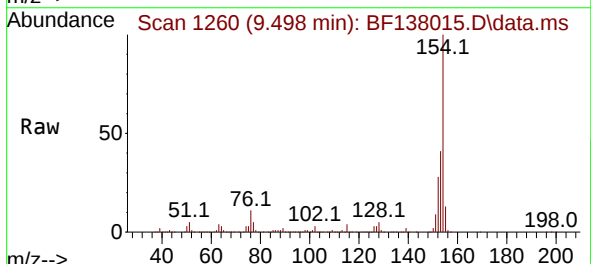
Tgt Ion:154 Resp: 402984

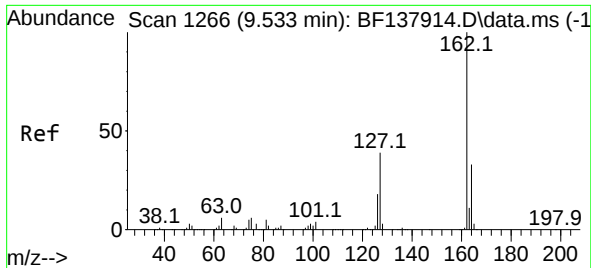
Ion Ratio Lower Upper

154 100

153 41.3 21.3 61.3

76 11.3 0.0 31.9

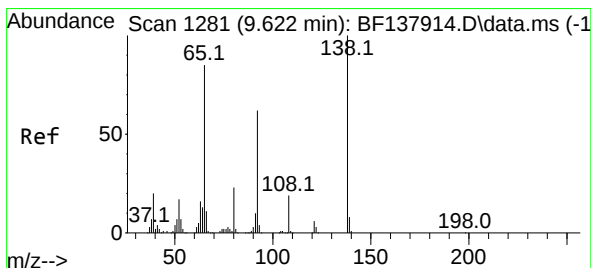
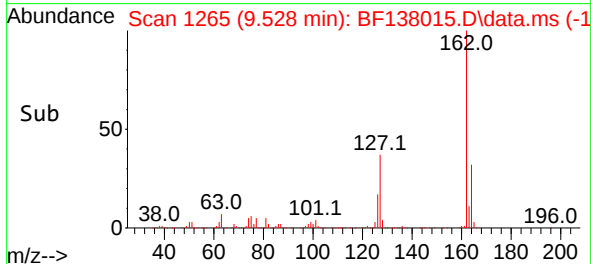
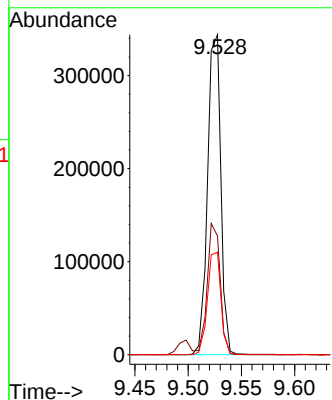
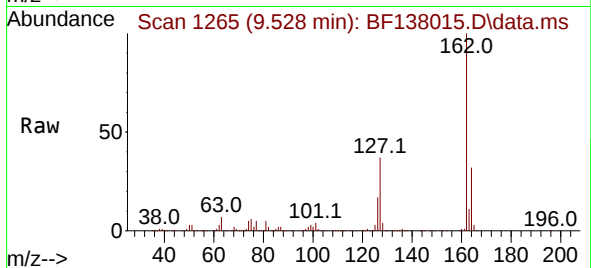




#47
2-Chloronaphthalene
Concen: 24.836 ng
RT: 9.528 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

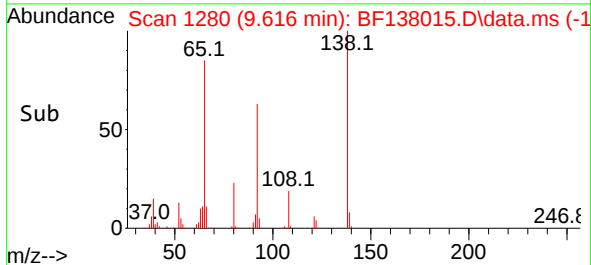
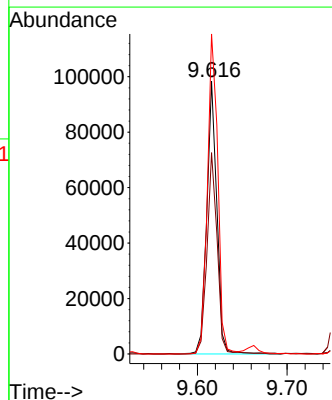
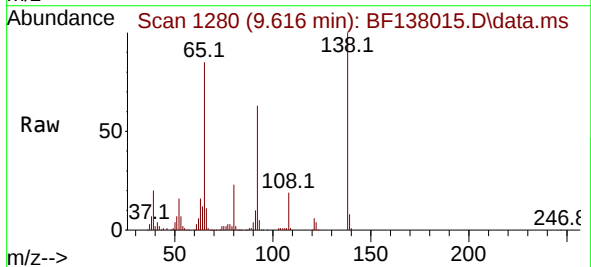
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

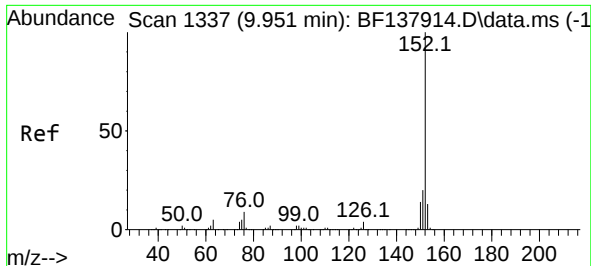
Tgt Ion:162 Resp: 299470
Ion Ratio Lower Upper
162 100
127 37.1 32.0 48.0
164 32.1 26.2 39.4



#48
2-Nitroaniline
Concen: 24.907 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion: 65 Resp: 76907
Ion Ratio Lower Upper
65 100
92 73.8 58.6 88.0
138 117.4 94.1 141.1





#49

Acenaphthylene

Concen: 25.778 ng

RT: 9.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

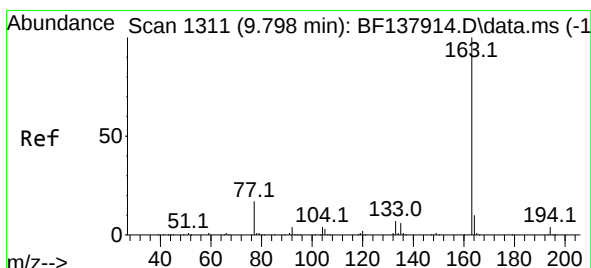
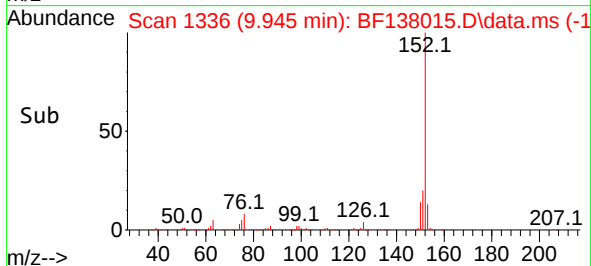
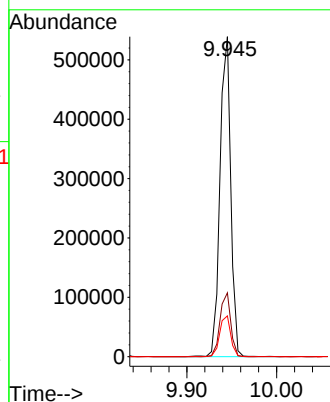
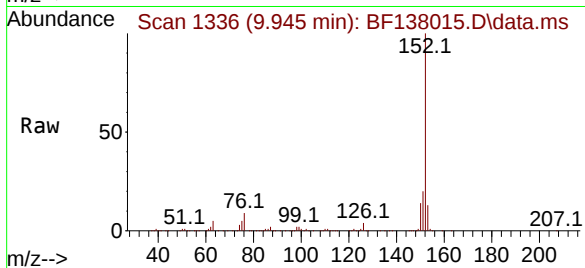
Tgt Ion:152 Resp: 446925

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 12.8 10.2 15.4



#50

Dimethylphthalate

Concen: 26.343 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

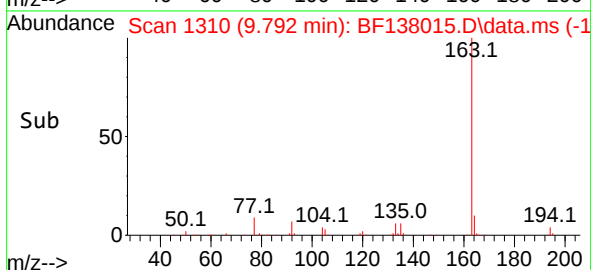
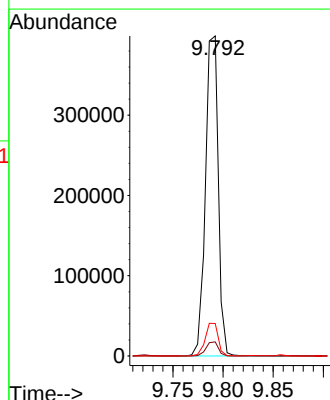
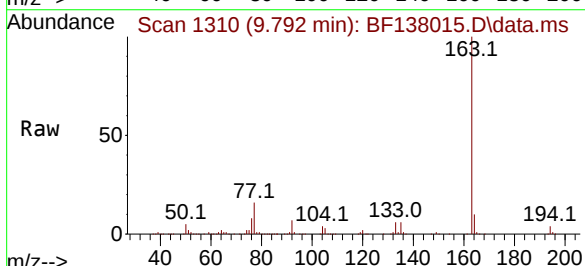
Tgt Ion:163 Resp: 355757

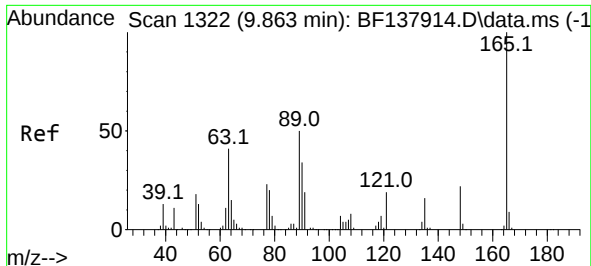
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 10.1 8.0 12.0

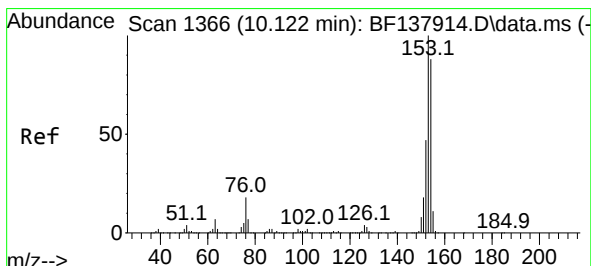
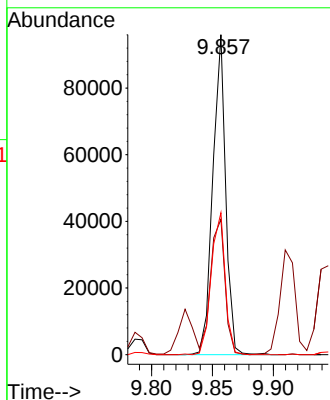
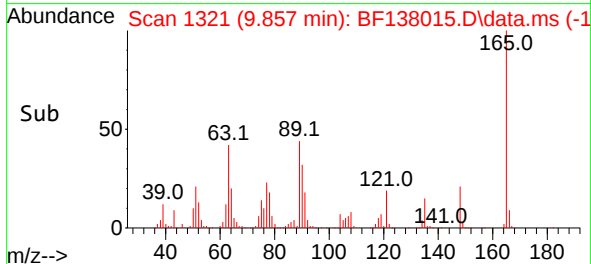
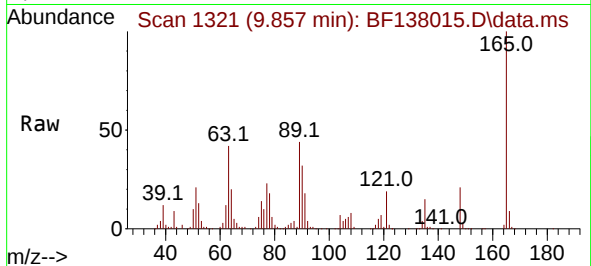




#51
2,6-Dinitrotoluene
Concen: 22.835 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

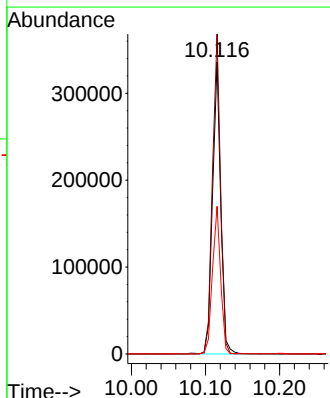
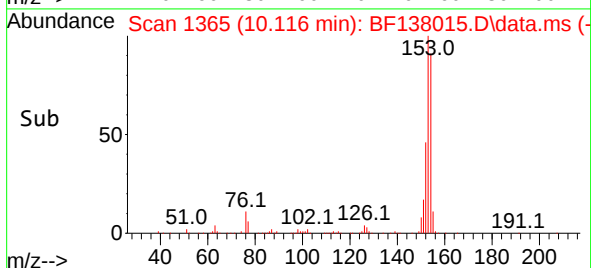
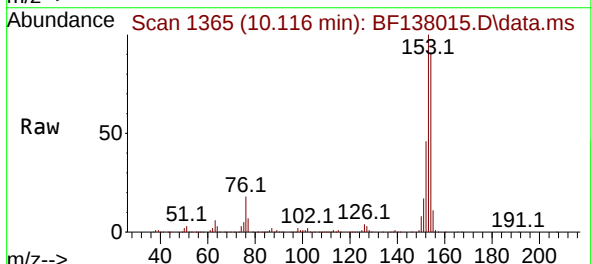
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

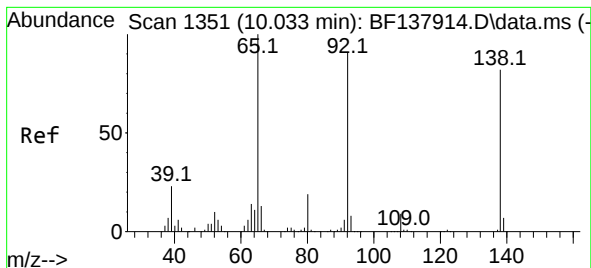
Tgt Ion:165 Resp: 70778
Ion Ratio Lower Upper
165 100
63 42.3 38.9 58.3
89 44.4 40.4 60.6



#52
Acenaphthene
Concen: 22.470 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:154 Resp: 257488
Ion Ratio Lower Upper
154 100
153 109.6 90.4 135.6
152 50.6 42.3 63.5

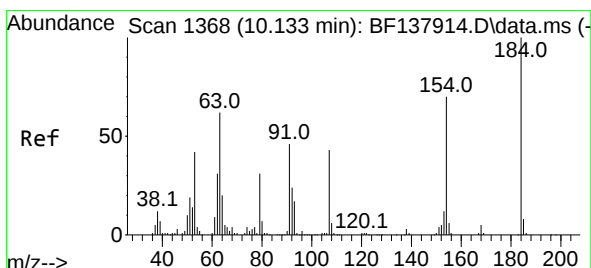
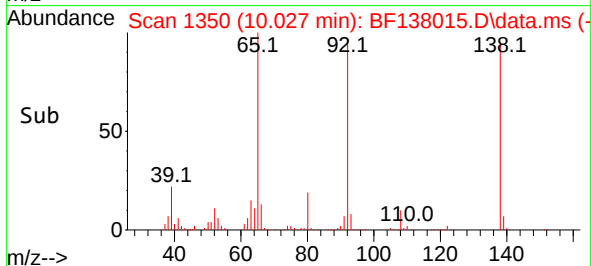
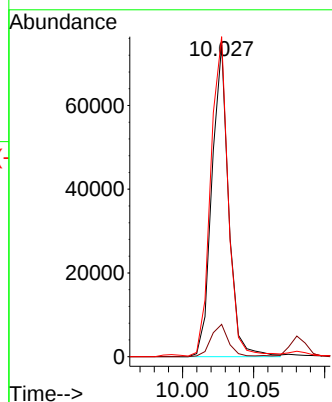
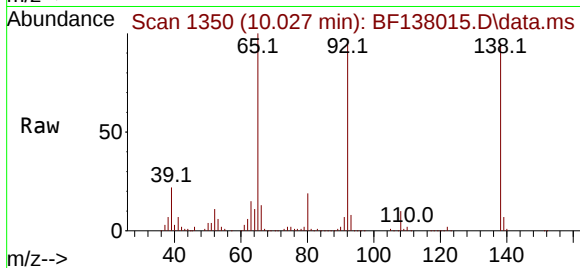




#53
3-Nitroaniline
Concen: 20.095 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

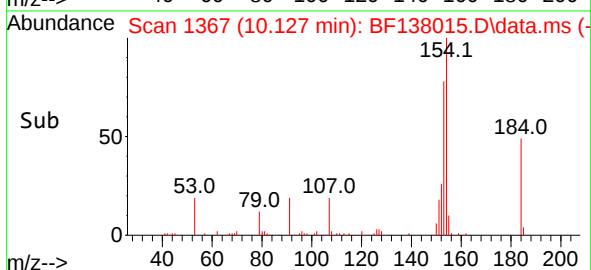
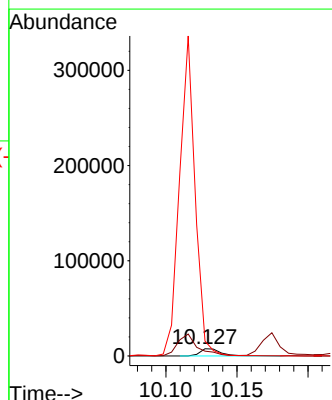
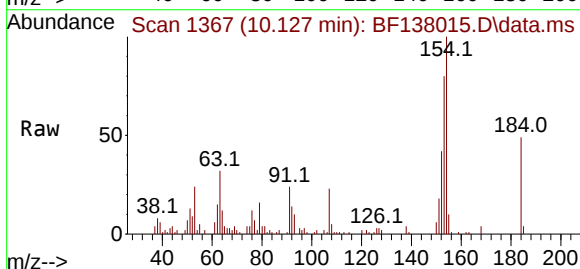
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

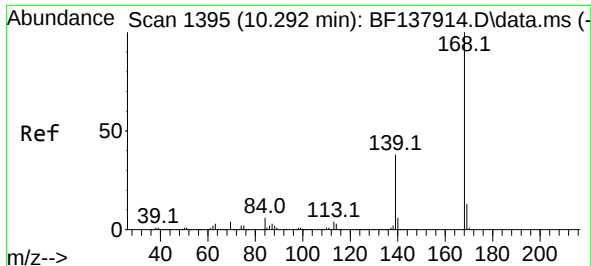
Tgt Ion:138 Resp: 60890
Ion Ratio Lower Upper
138 100
108 10.3 8.8 13.2
92 102.6 88.6 133.0



#54
2,4-Dinitrophenol
Concen: 11.293 ng
RT: 10.127 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:184 Resp: 7933
Ion Ratio Lower Upper
184 100
63 65.3 50.4 75.6
154 203.8 63.7 95.5#

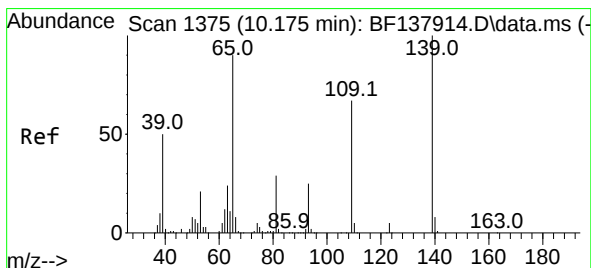
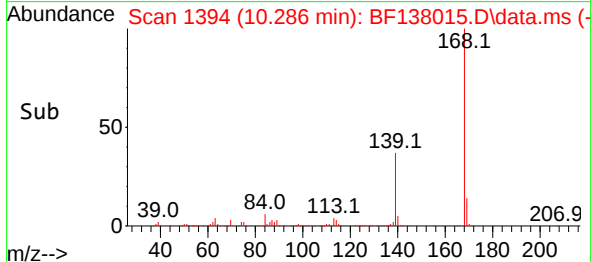
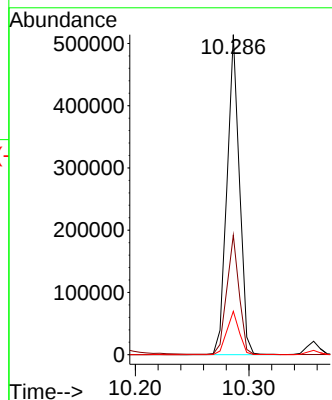
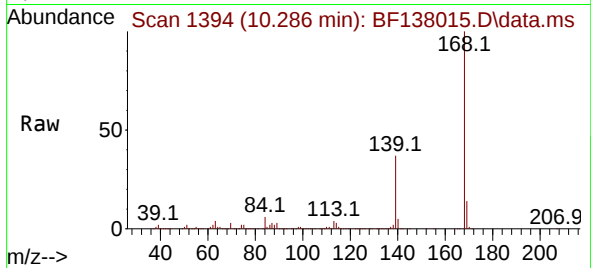




#55
Dibenzenofuran
Concen: 23.536 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

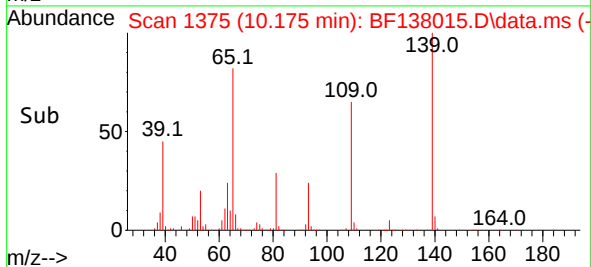
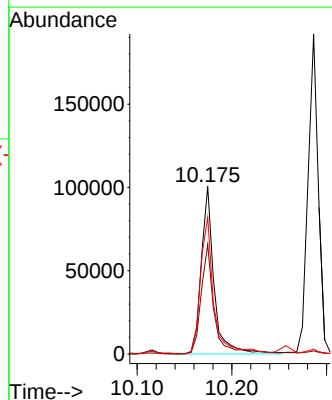
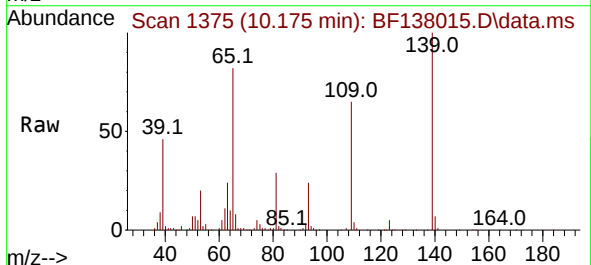
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

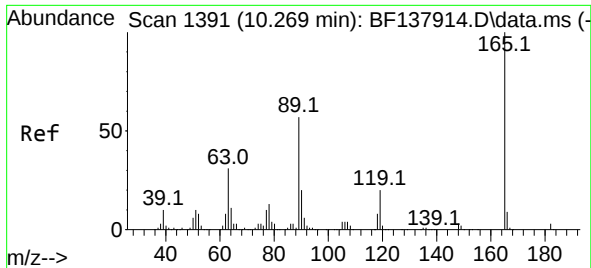
Tgt Ion:168 Resp: 392505
Ion Ratio Lower Upper
168 100
139 37.4 30.4 45.6
169 13.6 10.5 15.7



#56
4-Nitrophenol
Concen: 43.619 ng
RT: 10.175 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:139 Resp: 94930
Ion Ratio Lower Upper
139 100
109 65.3 46.5 86.5
65 81.5 70.4 110.4

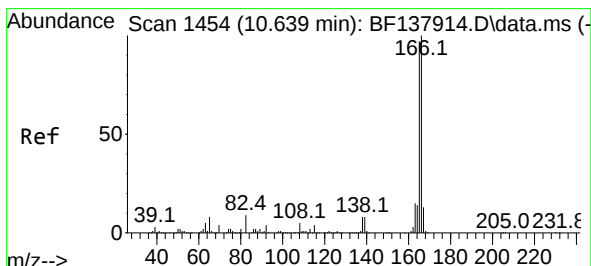
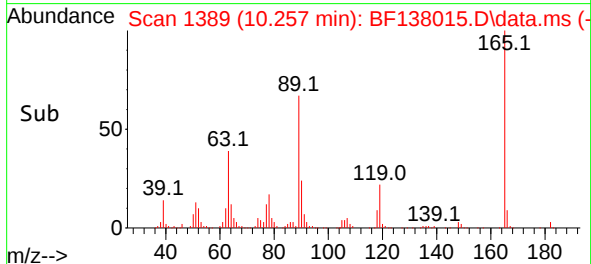
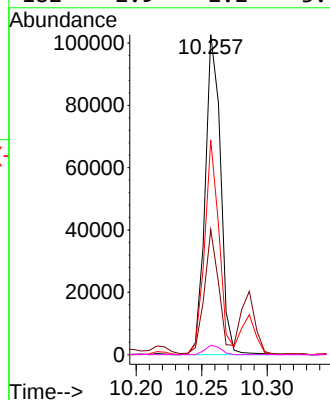
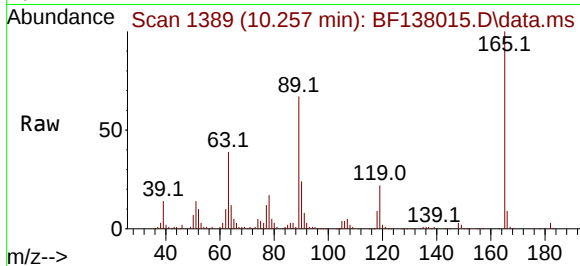




#57
2,4-Dinitrotoluene
Concen: 21.100 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

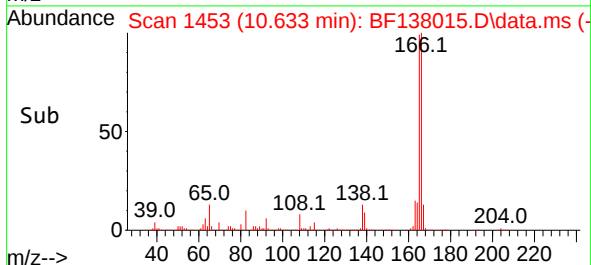
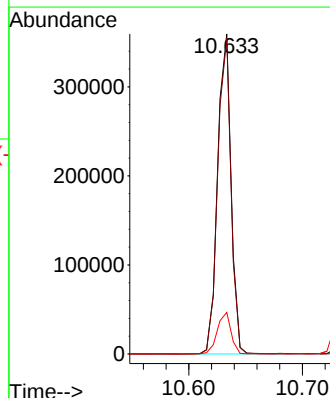
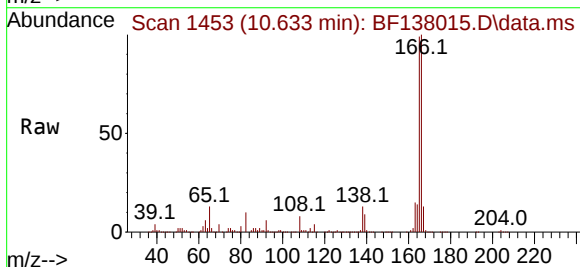
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

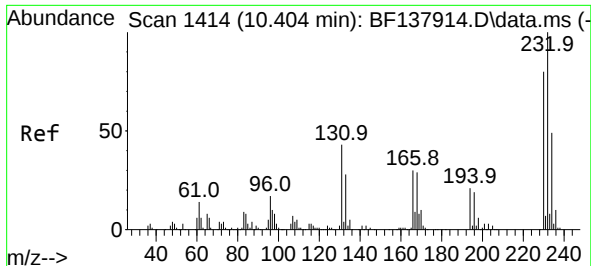
Tgt Ion:165	Resp:	84548
Ion Ratio	Lower	Upper
165	100	
63	39.1	25.3 37.9#
89	67.1	45.9 68.9
182	2.9	2.2 3.4



#58
Fluorene
Concen: 22.416 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:166	Resp:	295689
Ion Ratio	Lower	Upper
166	100	
165	98.7	77.8 116.8
167	13.0	10.4 15.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 21.231 ng

RT: 10.398 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

Tgt Ion:232 Resp: 70058

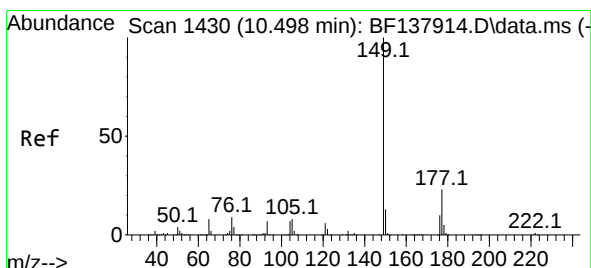
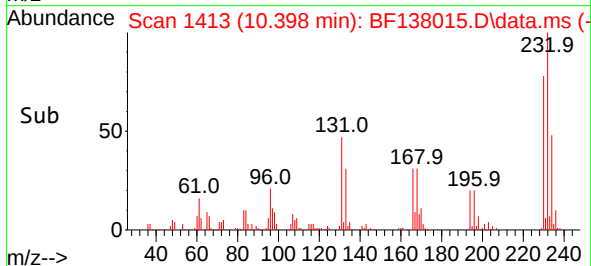
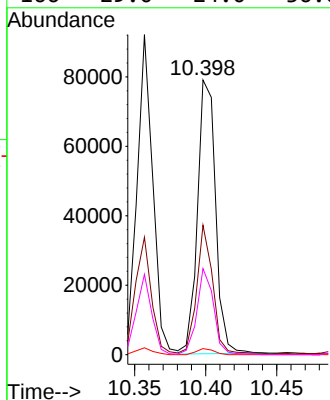
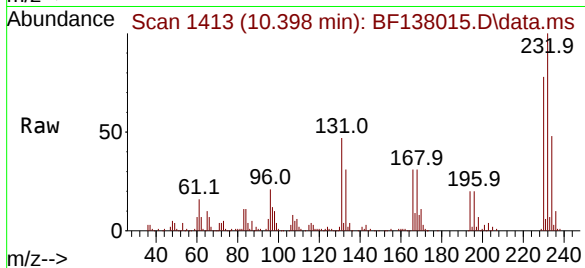
Ion Ratio Lower Upper

232 100

131 42.2 34.4 51.6

130 2.1 1.7 2.5

166 29.0 24.0 36.0



#60

Diethylphthalate

Concen: 24.746 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

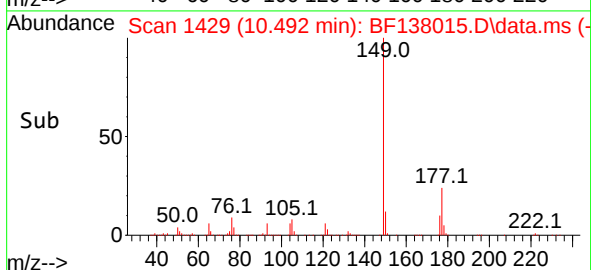
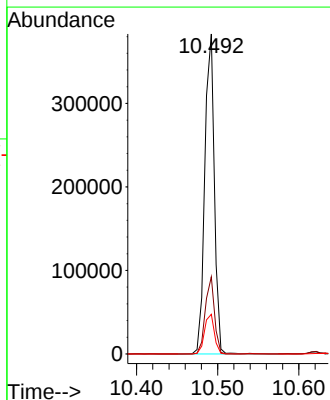
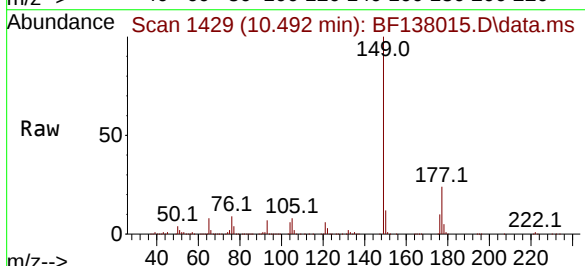
Tgt Ion:149 Resp: 312112

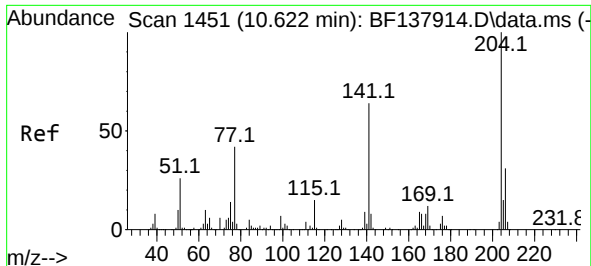
Ion Ratio Lower Upper

149 100

177 24.1 18.4 27.6

150 12.4 10.1 15.1

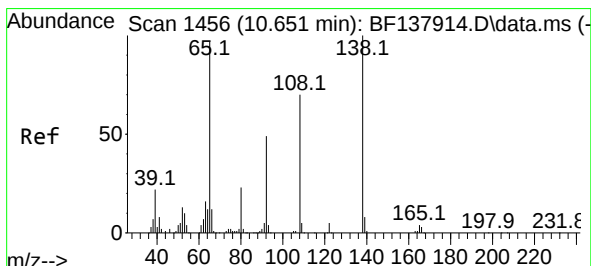
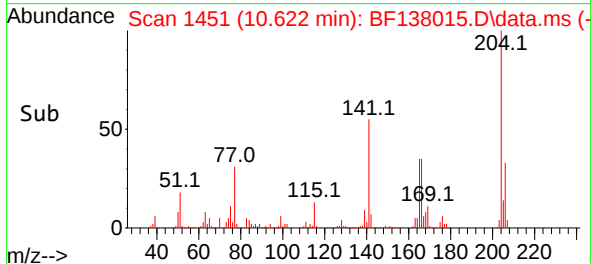
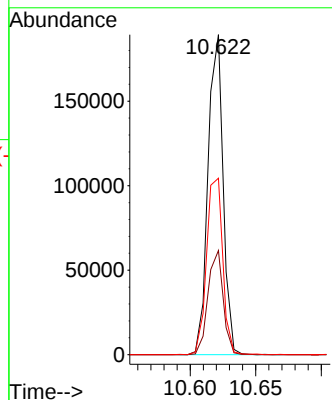
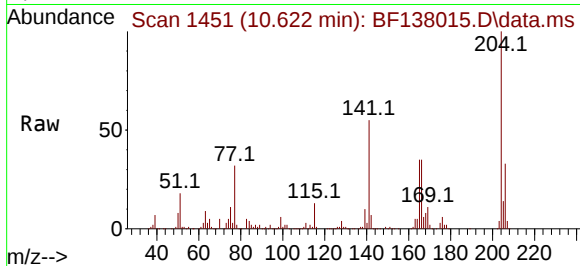




#61
4-Chlorophenyl-phenylether
Concen: 23.361 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

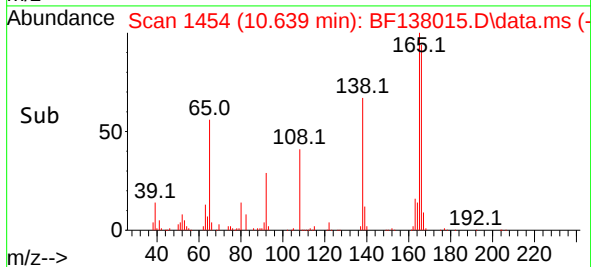
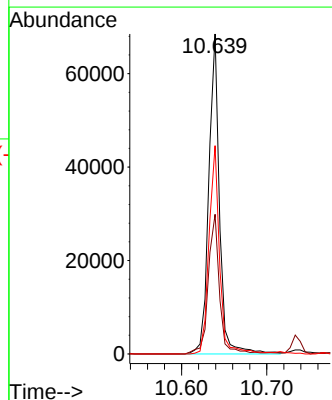
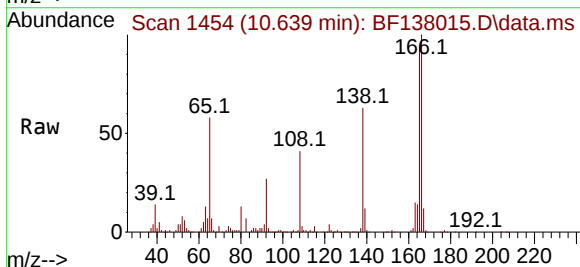
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

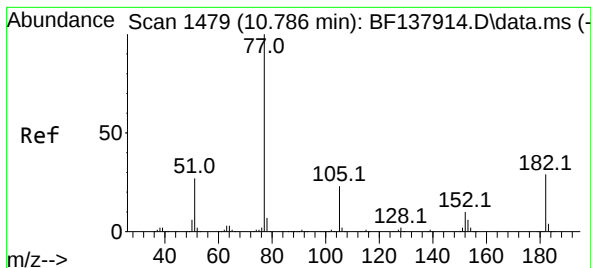
Tgt Ion:204 Resp: 151967
Ion Ratio Lower Upper
204 100
206 32.6 25.1 37.7
141 55.2 51.0 76.6



#62
4-Nitroaniline
Concen: 20.828 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:138 Resp: 59859
Ion Ratio Lower Upper
138 100
92 43.7 29.0 69.0
108 65.1 49.7 89.7





#63

Azobenzene

Concen: 22.835 ng

RT: 10.780 min Scan# 1478

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

Tgt Ion: 77 Resp: 261973

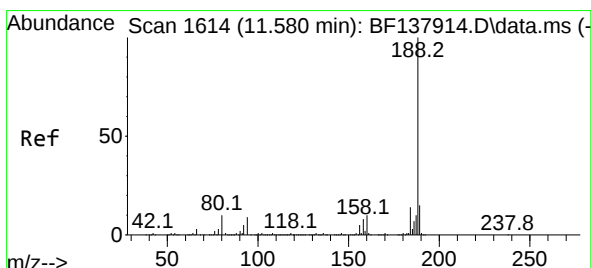
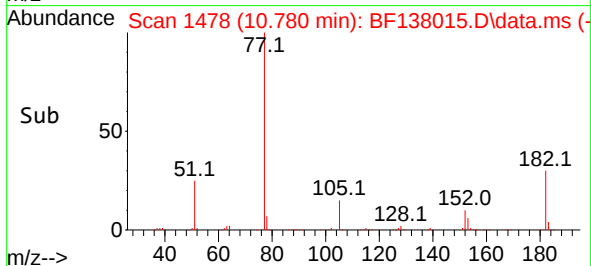
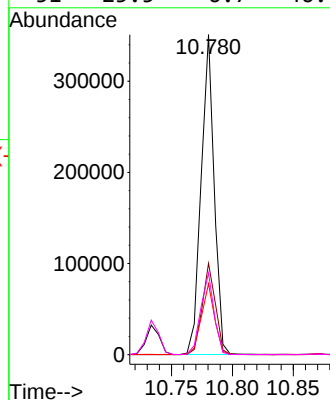
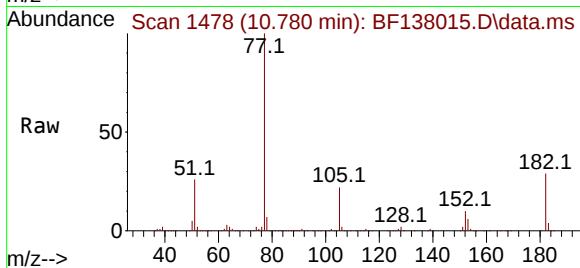
Ion Ratio Lower Upper

77 100

182 28.6 9.2 49.2

105 22.2 3.1 43.1

51 25.5 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: BF138015.D

Acq: 22 May 2024 20:26

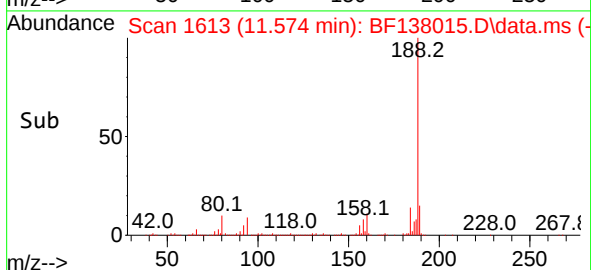
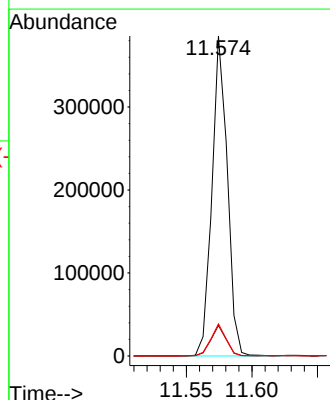
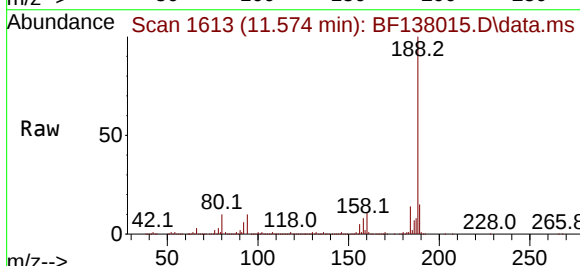
Tgt Ion: 188 Resp: 314490

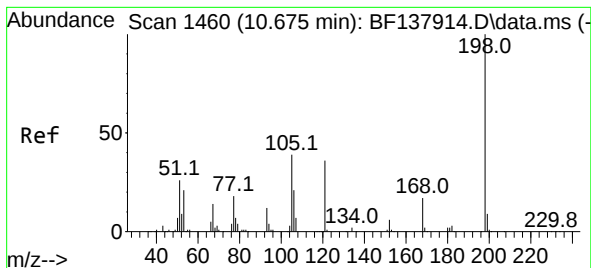
Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.4

80 10.1 7.7 11.5

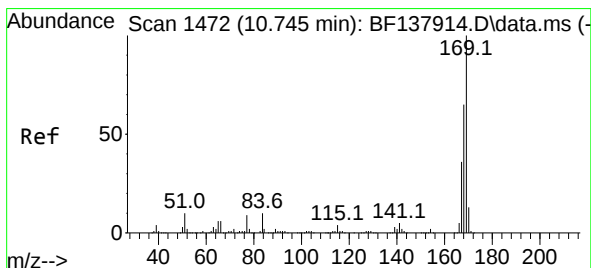
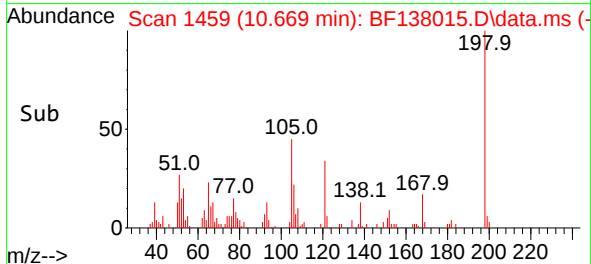
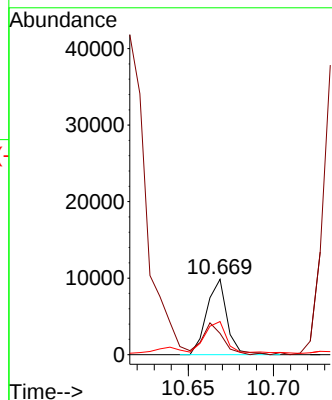
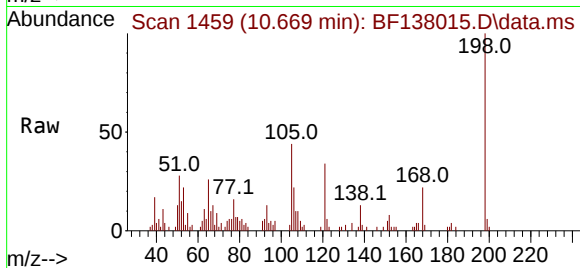




#65
4,6-Dinitro-2-methylphenol
Concen: 4.481 ng
RT: 10.669 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

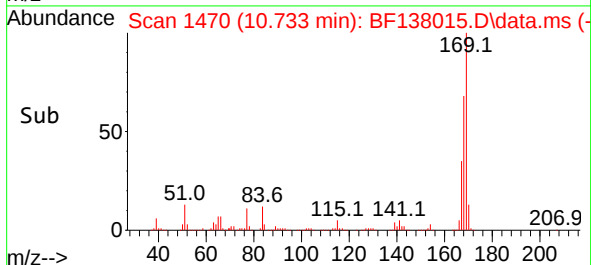
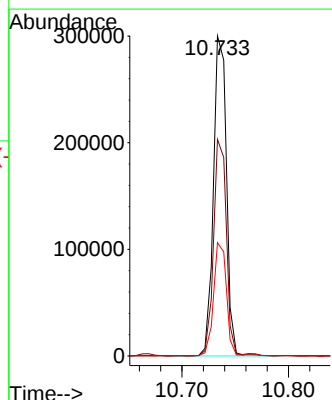
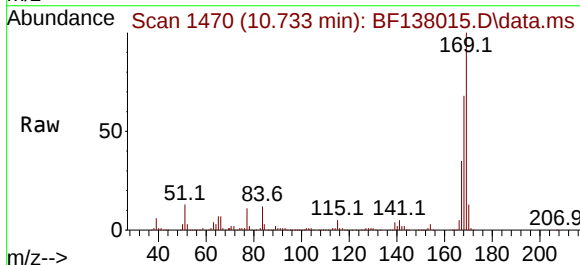
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

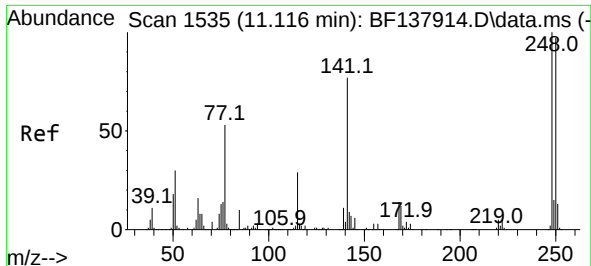
Tgt Ion:198 Resp: 8137
Ion Ratio Lower Upper
198 100
51 28.2 13.8 53.8
105 43.9 19.0 59.0



#66
n-Nitrosodiphenylamine
Concen: 26.398 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:169 Resp: 254596
Ion Ratio Lower Upper
169 100
168 67.7 52.4 78.6
167 35.4 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 25.092 ng

RT: 11.110 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

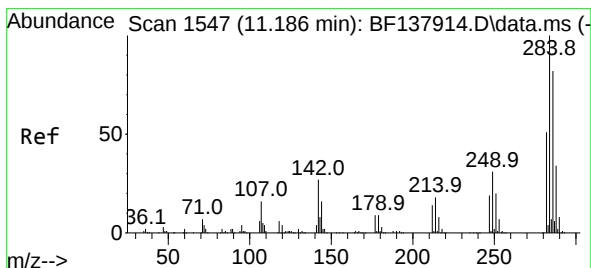
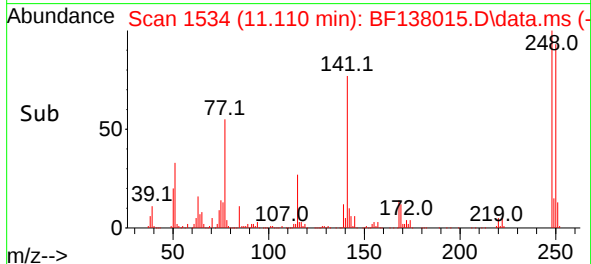
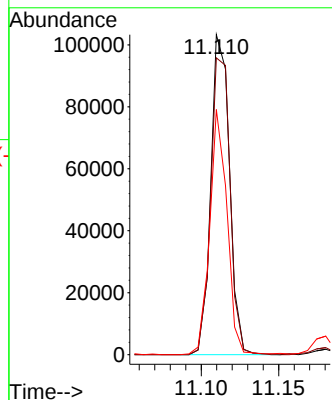
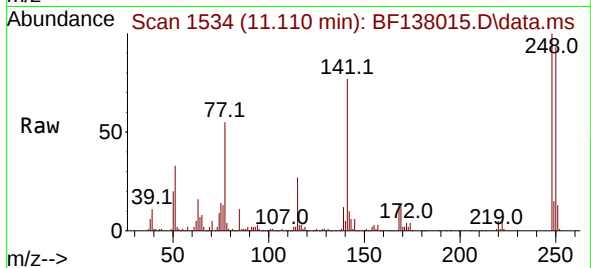
Tgt Ion:248 Resp: 86509

Ion Ratio Lower Upper

248 100

250 92.7 77.6 116.4

141 76.6 61.4 92.2



#68

Hexachlorobenzene

Concen: 22.933 ng

RT: 11.180 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

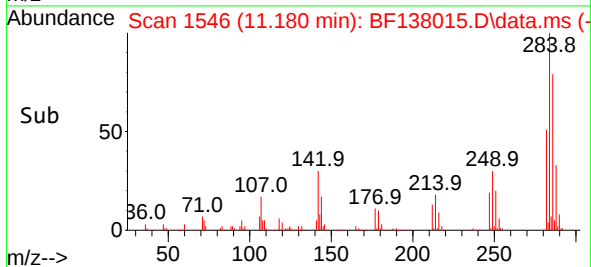
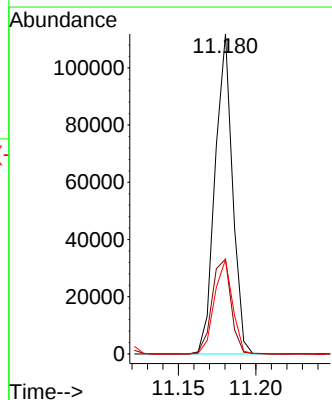
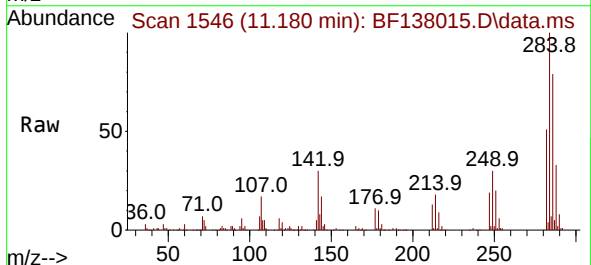
Tgt Ion:284 Resp: 87398

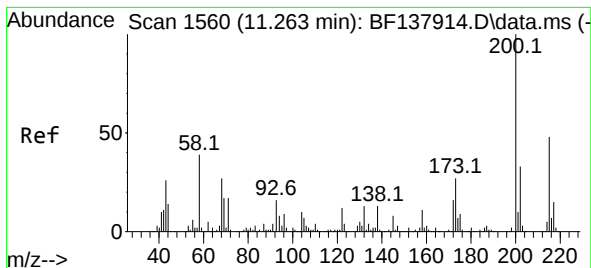
Ion Ratio Lower Upper

284 100

142 29.6 21.3 31.9

249 29.5 24.6 37.0





#69

Atrazine

Concen: 29.451 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

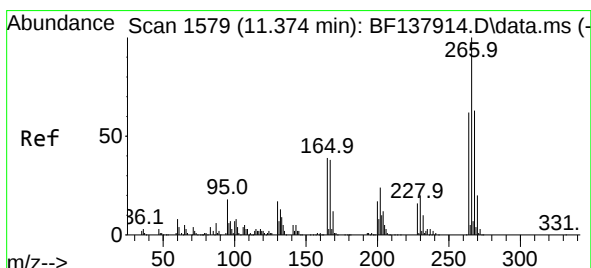
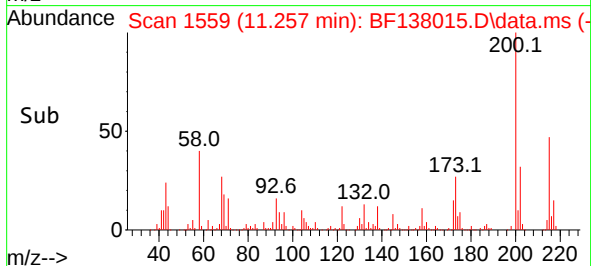
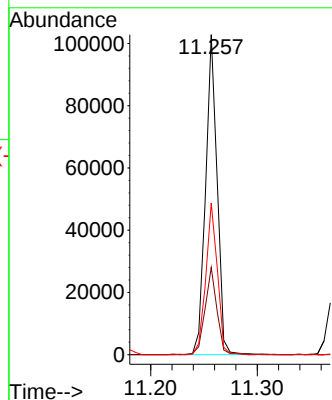
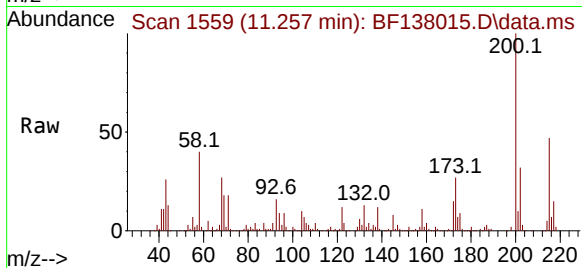
Tgt Ion:200 Resp: 77562

Ion Ratio Lower Upper

200 100

173 27.2 6.6 46.6

215 47.4 27.5 67.5



#70

Pentachlorophenol

Concen: 46.689 ng

RT: 11.374 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

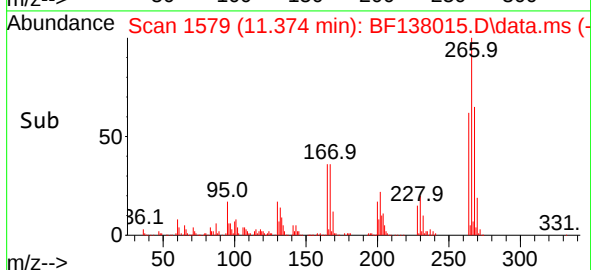
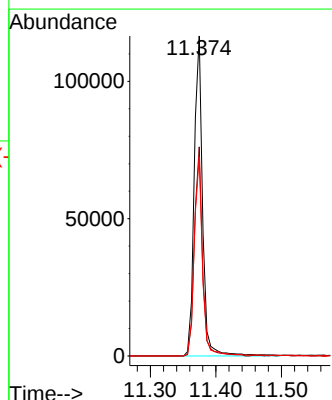
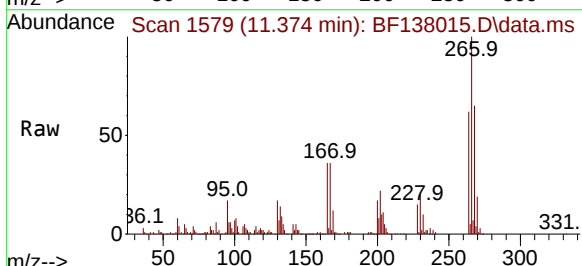
Tgt Ion:266 Resp: 104227

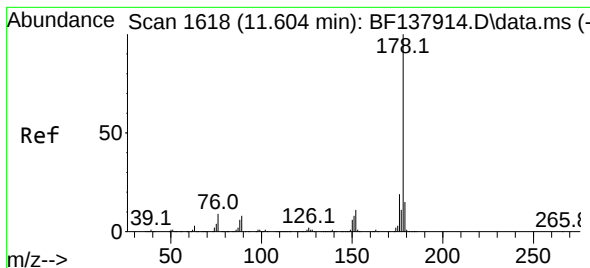
Ion Ratio Lower Upper

266 100

268 65.4 50.1 75.1

264 62.3 49.4 74.2





#71

Phenanthrene

Concen: 25.818 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

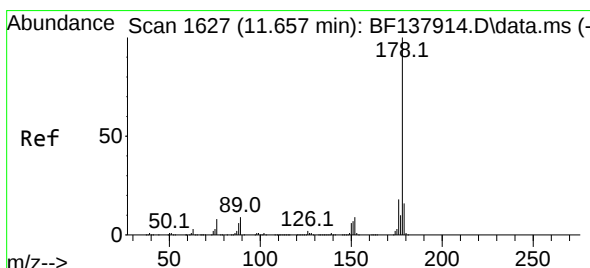
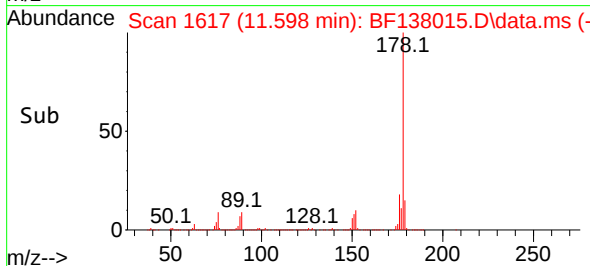
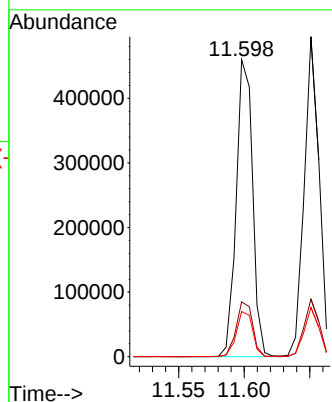
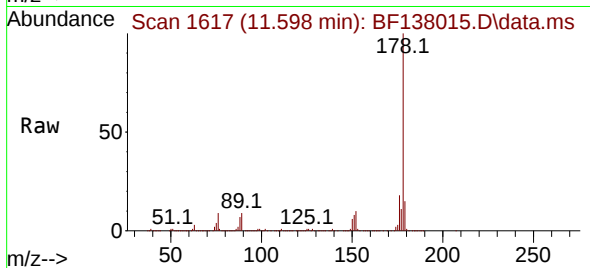
Tgt Ion:178 Resp: 400120

Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 15.2 12.2 18.4



#72

Anthracene

Concen: 25.568 ng

RT: 11.651 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

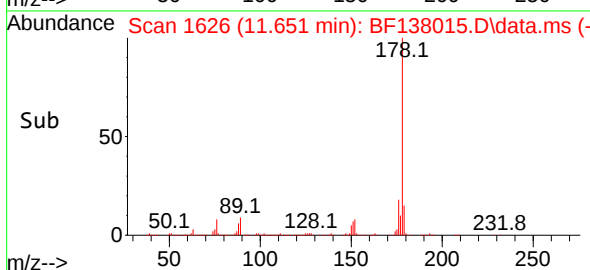
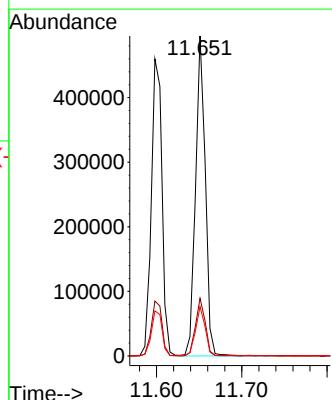
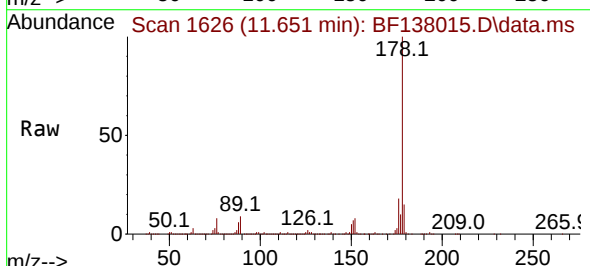
Tgt Ion:178 Resp: 393147

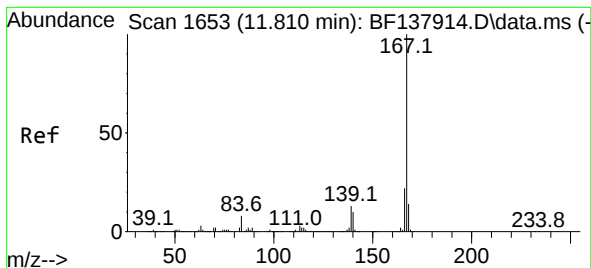
Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 15.4 12.4 18.6





#73

Carbazole

Concen: 25.034 ng

RT: 11.804 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

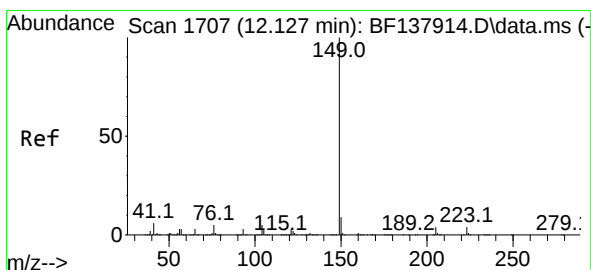
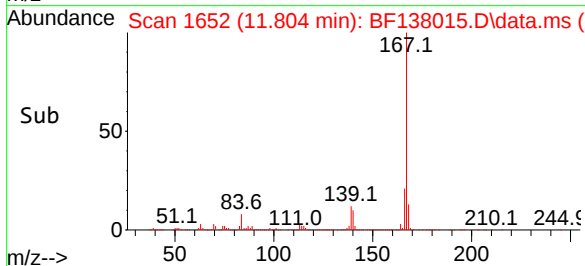
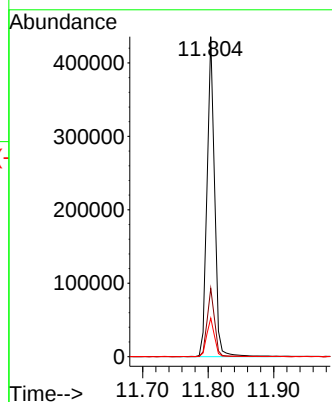
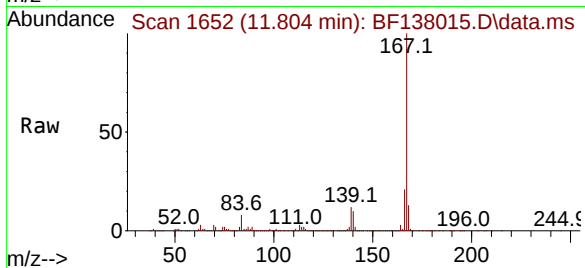
Tgt Ion:167 Resp: 351636

Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 12.1 10.3 15.5



#74

Di-n-butylphthalate

Concen: 27.109 ng

RT: 12.121 min Scan# 1706

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

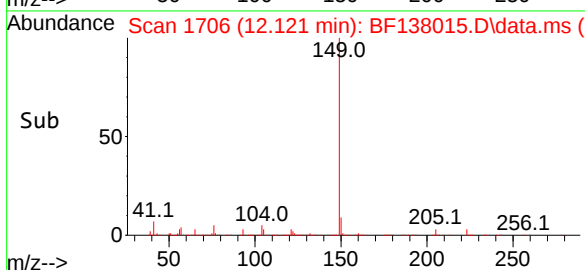
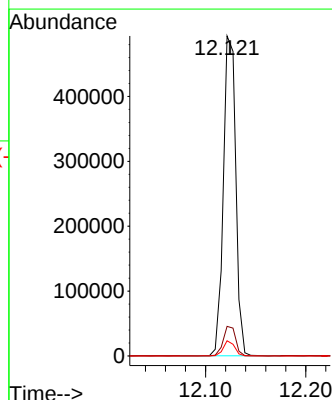
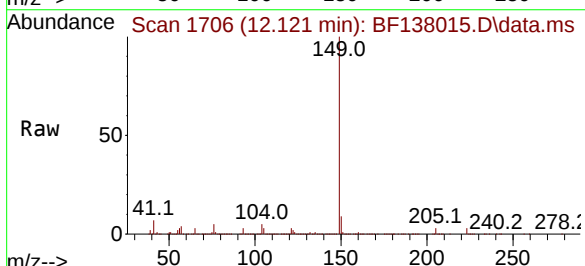
Tgt Ion:149 Resp: 422589

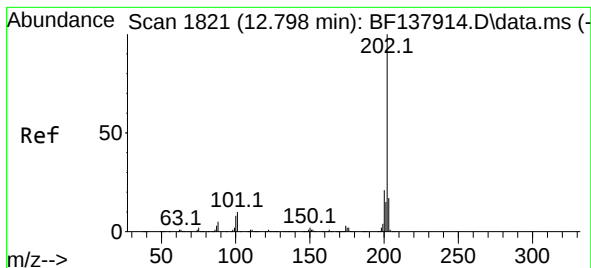
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.7 3.6 5.4





#75

Fluoranthene

Concen: 29.811 ng

RT: 12.792 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

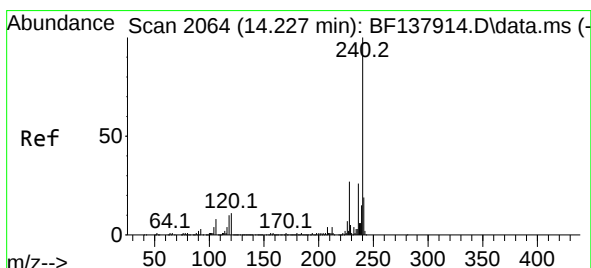
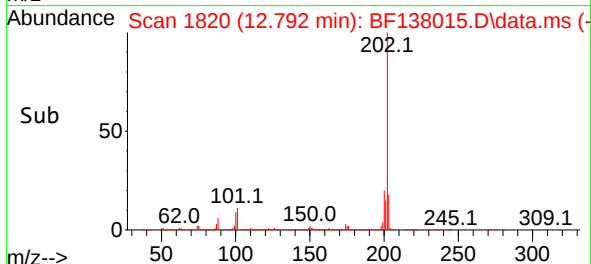
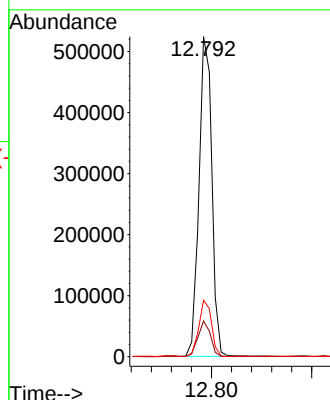
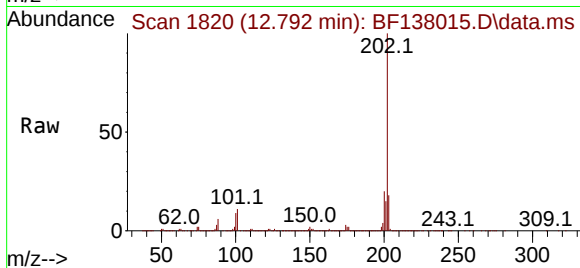
Tgt Ion:202 Resp: 468947

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.5

203 17.7 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: BF138015.D

Acq: 22 May 2024 20:26

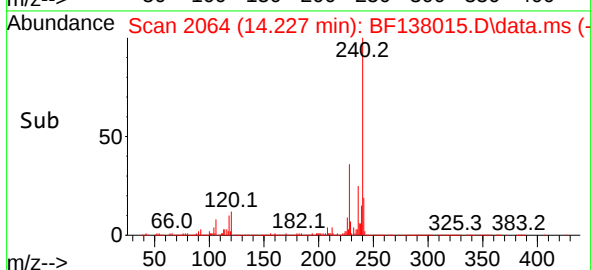
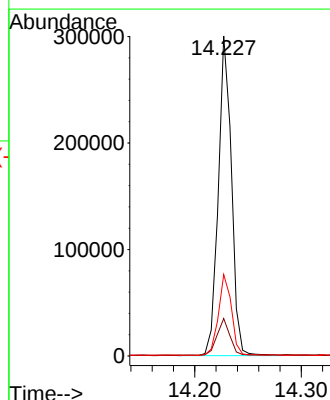
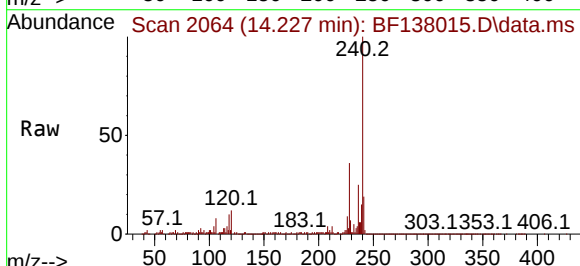
Tgt Ion:240 Resp: 257594

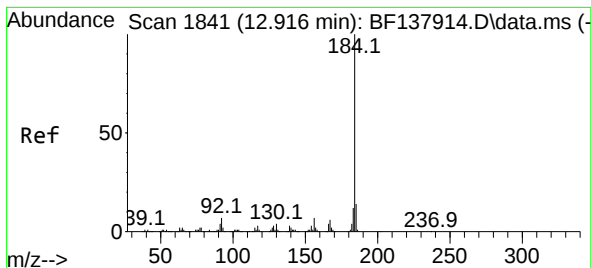
Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

236 25.5 21.0 31.4





#77

Benzidine

Concen: 33.548 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

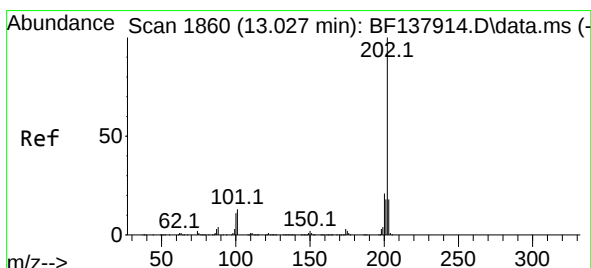
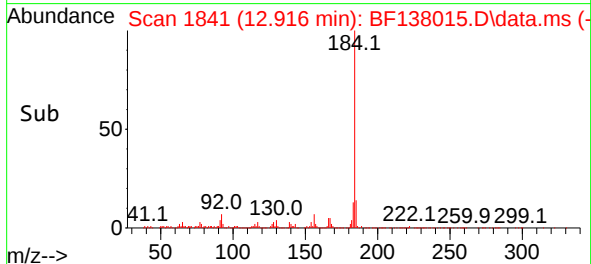
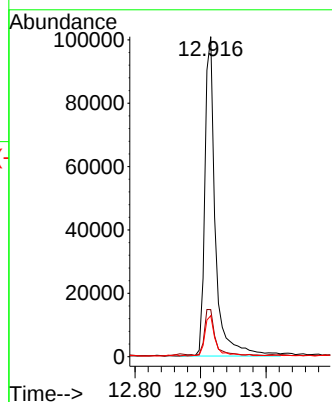
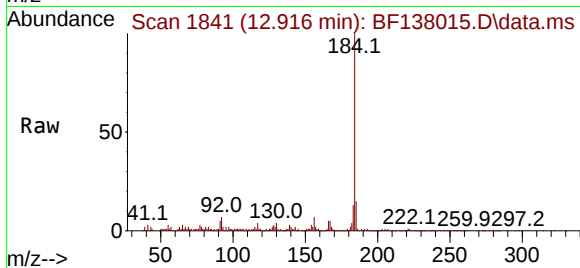
Tgt Ion:184 Resp: 112940

Ion Ratio Lower Upper

184 100

185 14.7 11.4 17.2

183 12.8 9.5 14.3



#78

Pyrene

Concen: 21.280 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

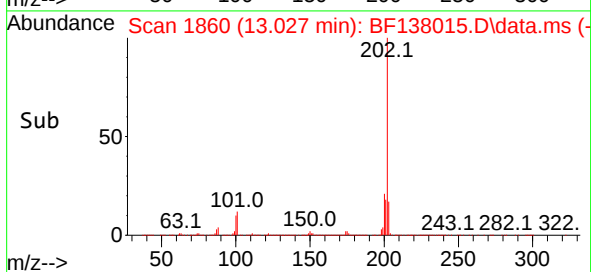
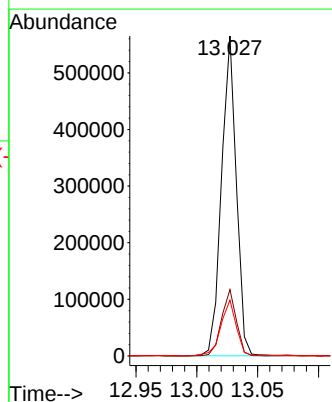
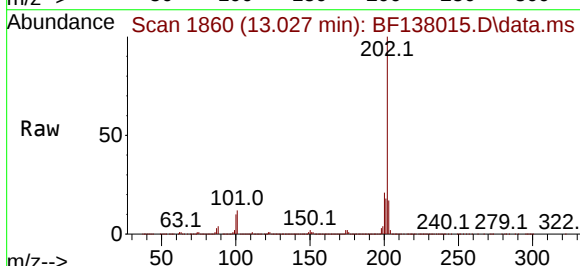
Tgt Ion:202 Resp: 479442

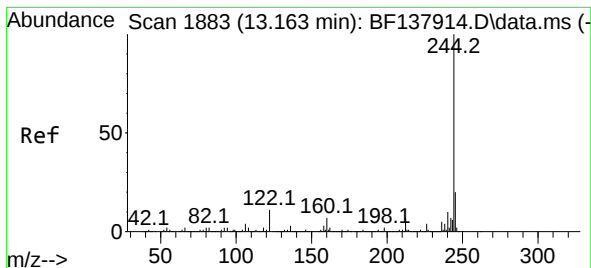
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 27.605 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

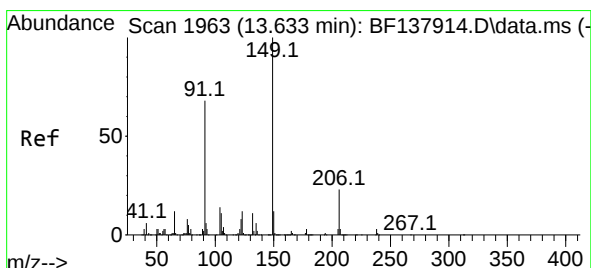
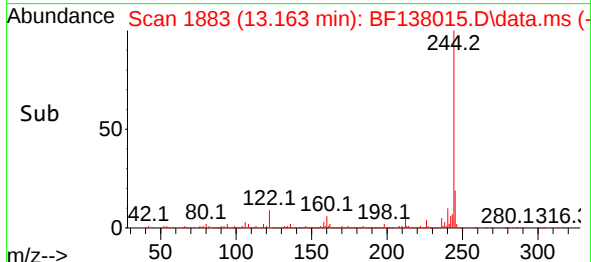
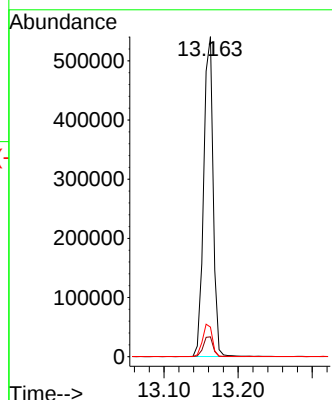
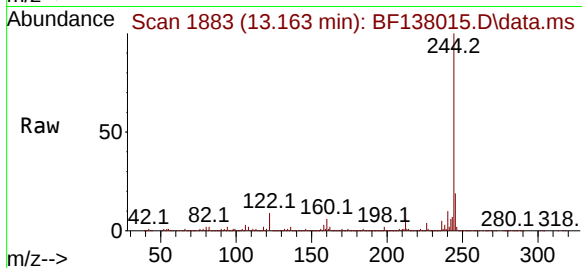
Tgt Ion:244 Resp: 482489

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 9.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 27.194 ng

RT: 13.633 min Scan# 1963

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

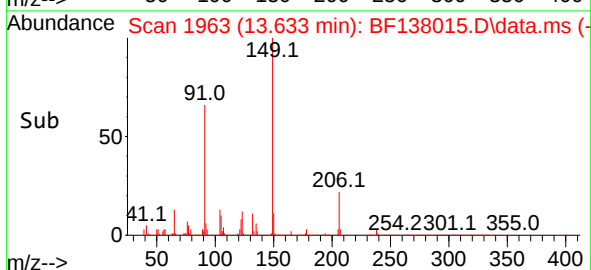
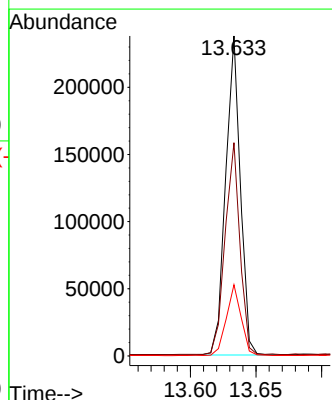
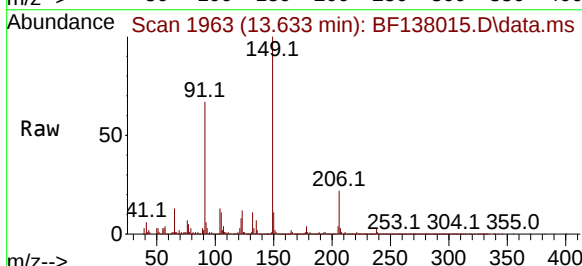
Tgt Ion:149 Resp: 184804

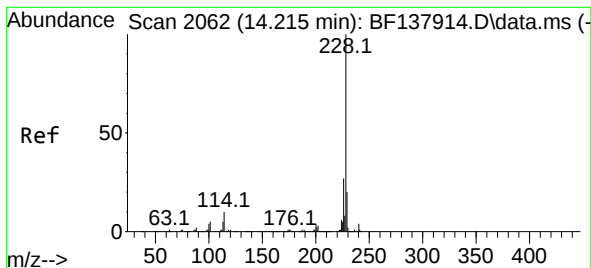
Ion Ratio Lower Upper

149 100

91 66.6 54.2 81.4

206 22.2 18.1 27.1





#81

Benzo(a)anthracene

Concen: 25.218 ng

RT: 14.215 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

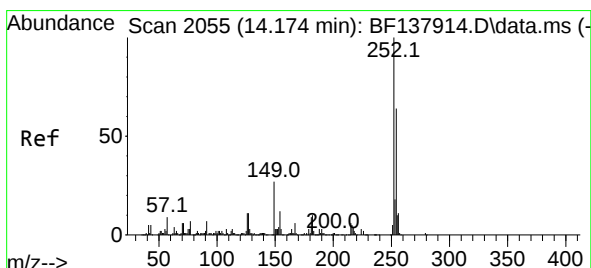
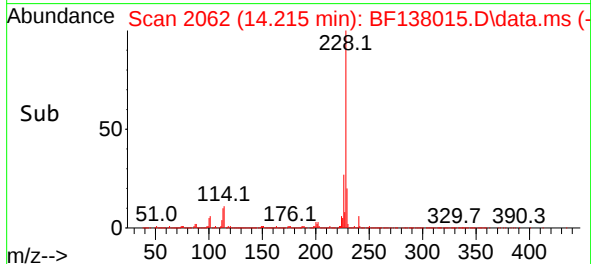
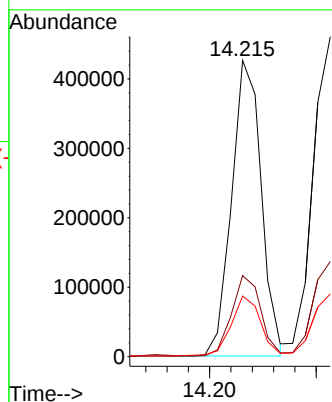
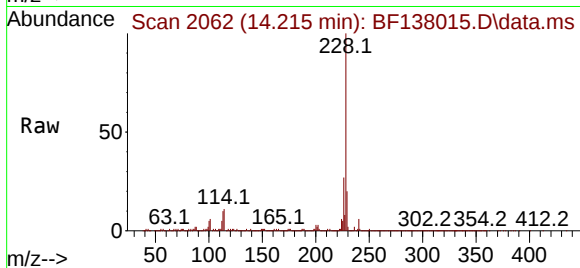
Tgt Ion:228 Resp: 410979

Ion Ratio Lower Upper

228 100

226 27.4 21.3 31.9

229 20.5 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 24.618 ng

RT: 14.174 min Scan# 2055

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

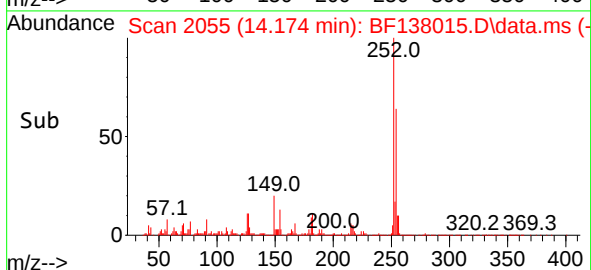
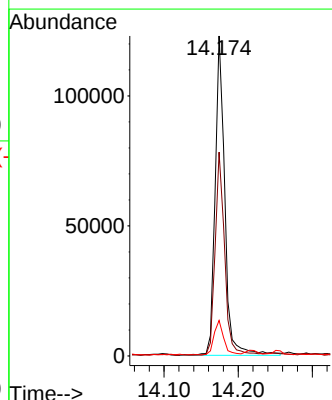
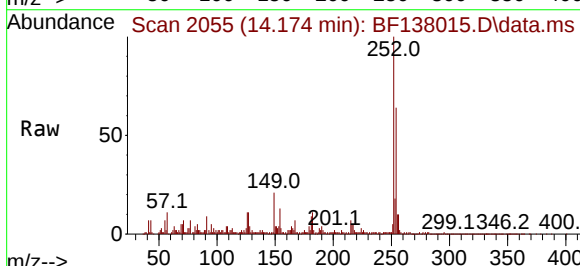
Tgt Ion:252 Resp: 111186

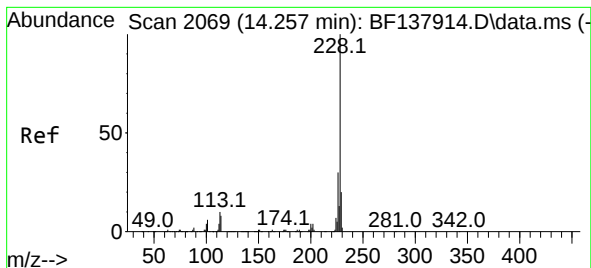
Ion Ratio Lower Upper

252 100

254 63.7 51.2 76.8

126 11.1 8.7 13.1





#83

Chrysene

Concen: 25.425 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

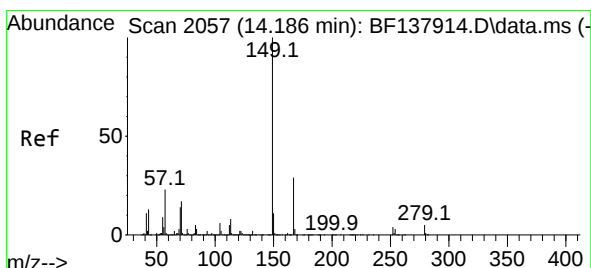
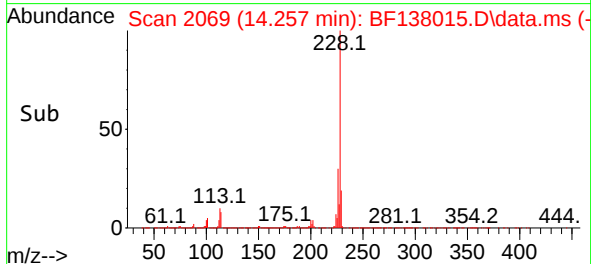
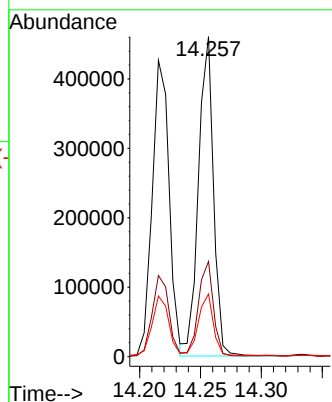
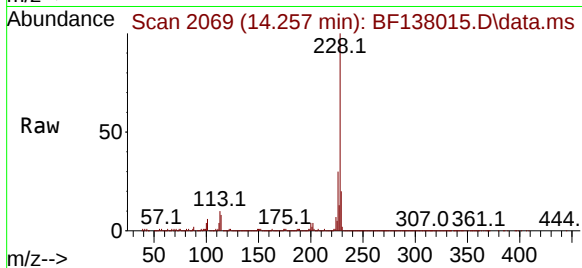
Tgt Ion:228 Resp: 396271

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.128 ng

RT: 14.186 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

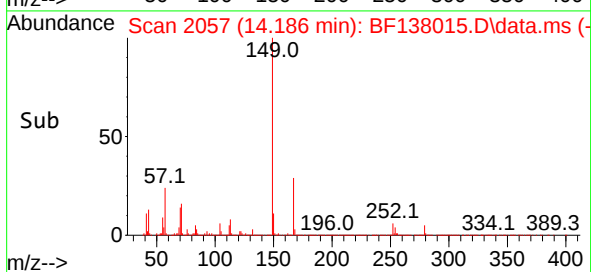
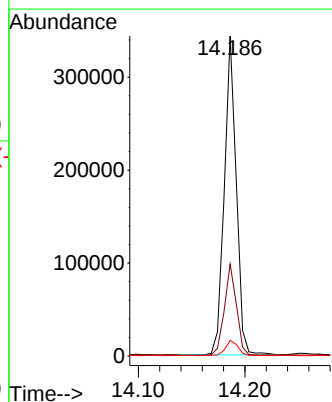
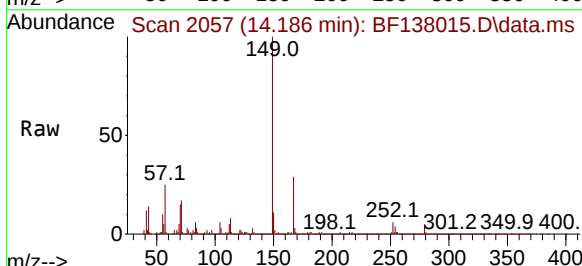
Tgt Ion:149 Resp: 265917

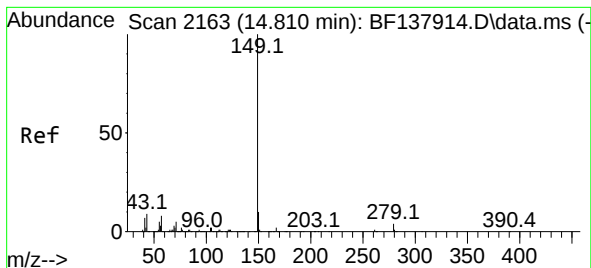
Ion Ratio Lower Upper

149 100

167 28.7 23.2 34.8

279 4.9 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 37.565 ng

RT: 14.815 min Scan# 2163

Delta R.T. 0.006 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

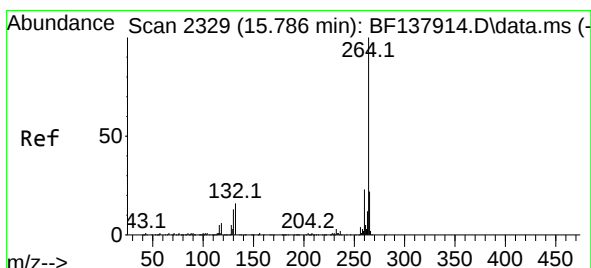
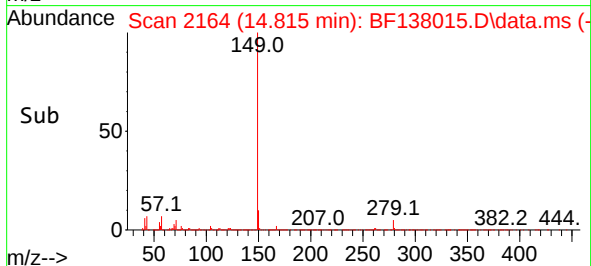
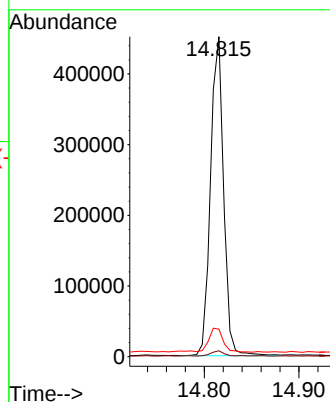
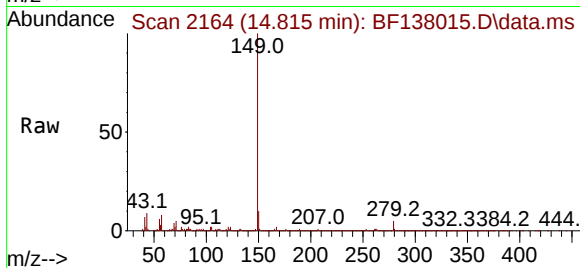
Tgt Ion:149 Resp: 433530

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.0

43 8.7 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: BF138015.D

Acq: 22 May 2024 20:26

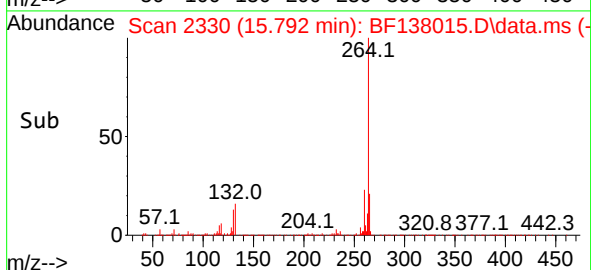
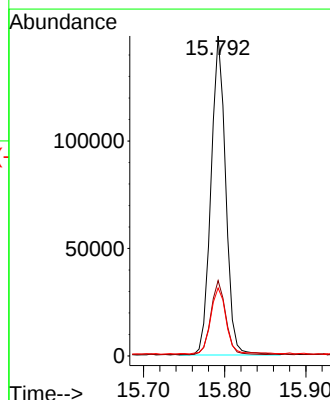
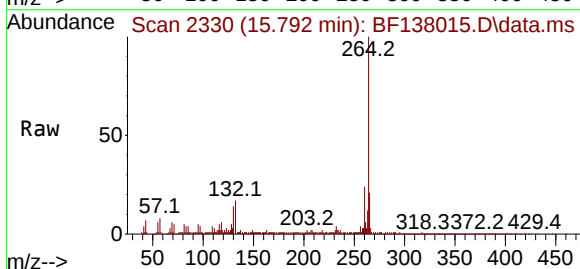
Tgt Ion:264 Resp: 185917

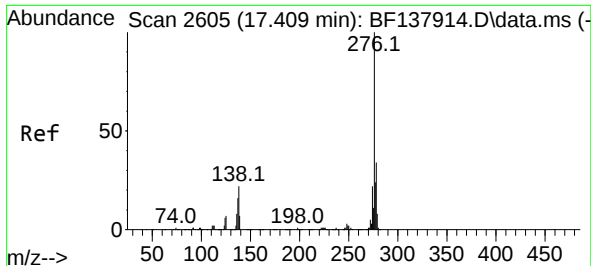
Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 21.3 17.6 26.4

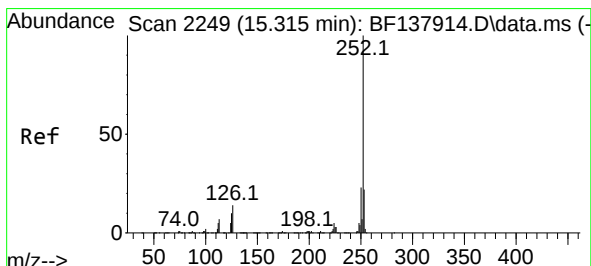
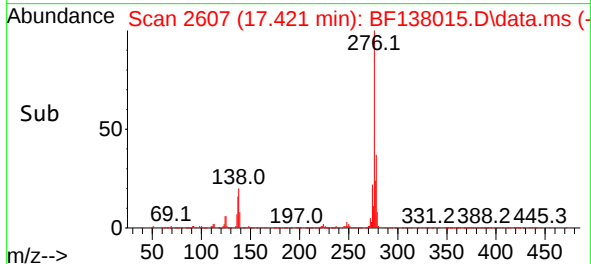
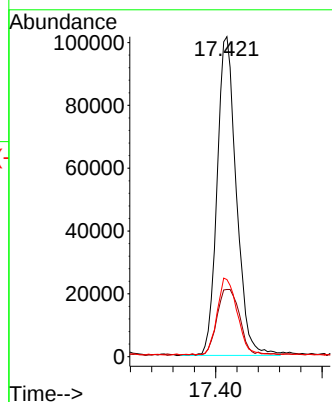
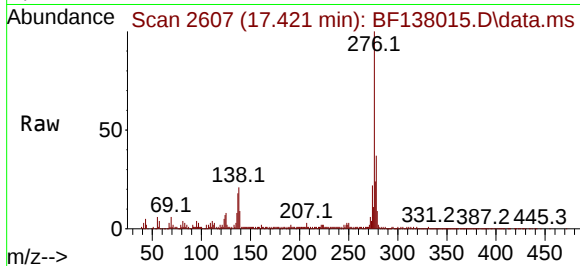




#87
Indeno(1,2,3-cd)pyrene
Concen: 21.282 ng
RT: 17.421 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

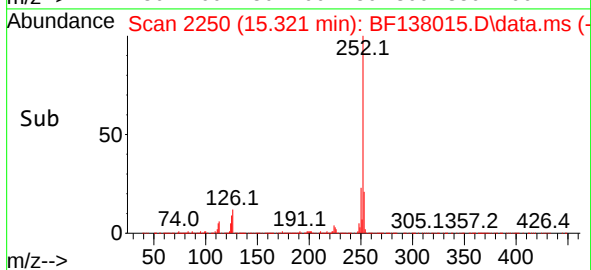
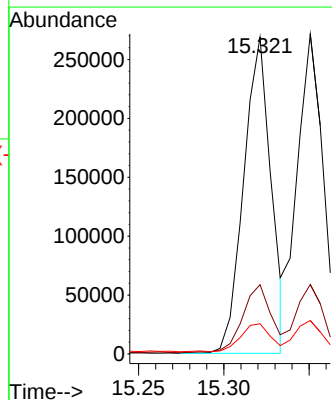
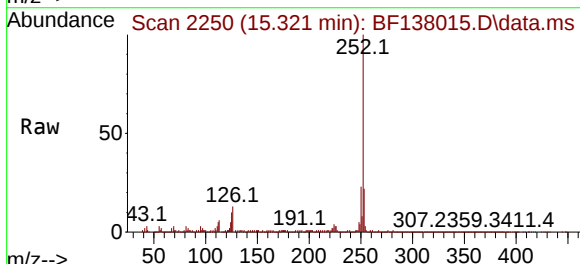
Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

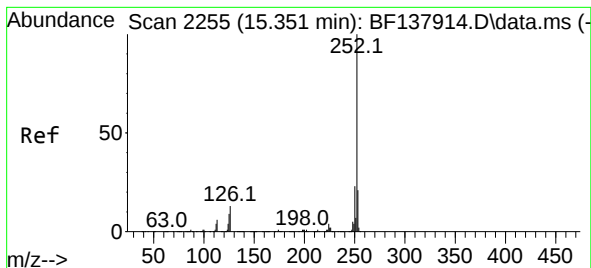
Tgt Ion:276 Resp: 254200
Ion Ratio Lower Upper
276 100
138 24.4 20.6 30.8
277 24.8 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 27.784 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:252 Resp: 299089
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 9.5 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 27.501 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-05212024MSD

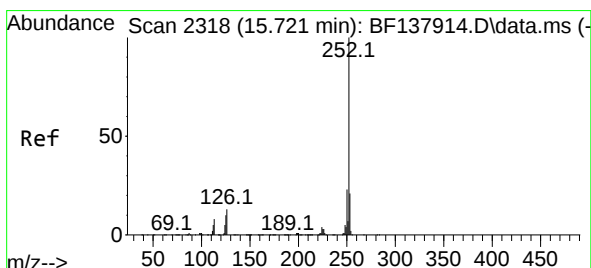
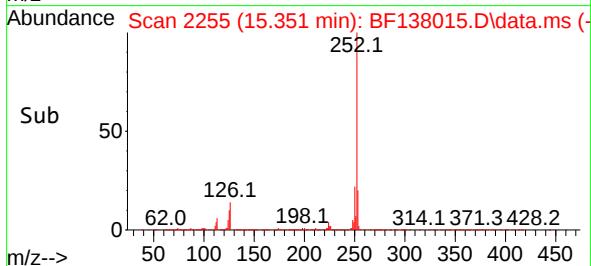
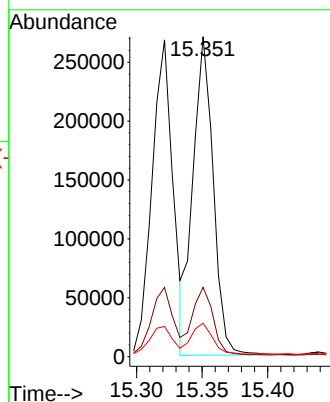
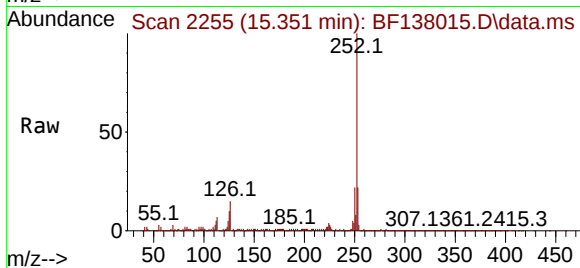
Tgt Ion:252 Resp: 290827

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.5 7.7 11.5



#90

Benzo(a)pyrene

Concen: 27.236 ng

RT: 15.721 min Scan# 2318

Delta R.T. 0.000 min

Lab File: BF138015.D

Acq: 22 May 2024 20:26

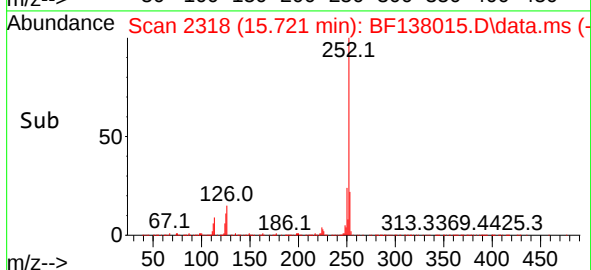
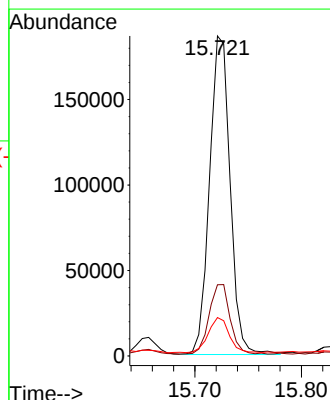
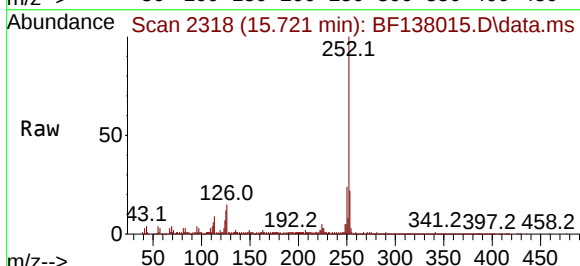
Tgt Ion:252 Resp: 250350

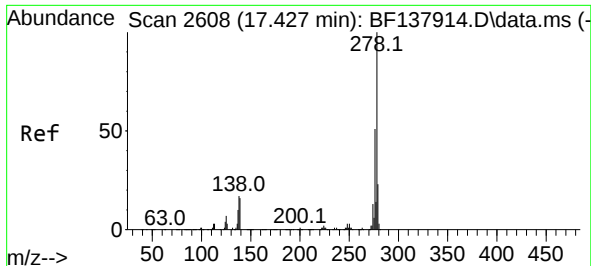
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 12.0 7.8 11.8#

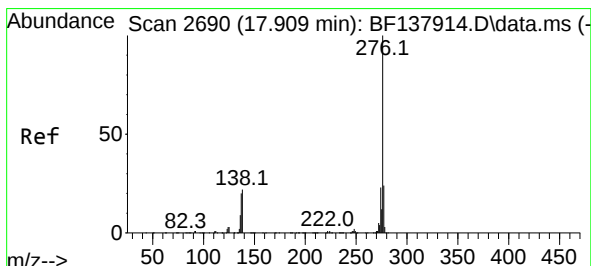
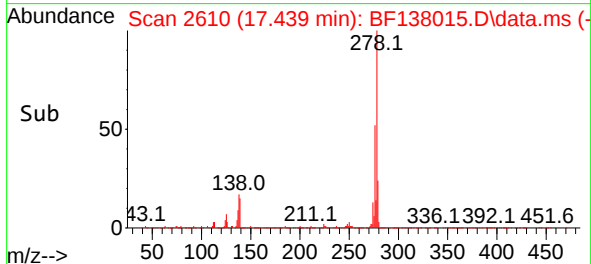
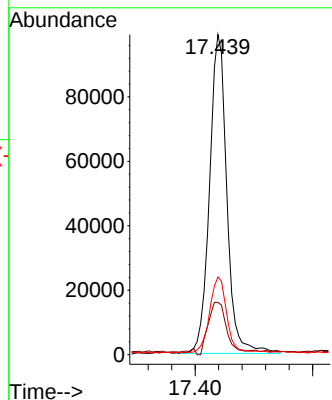
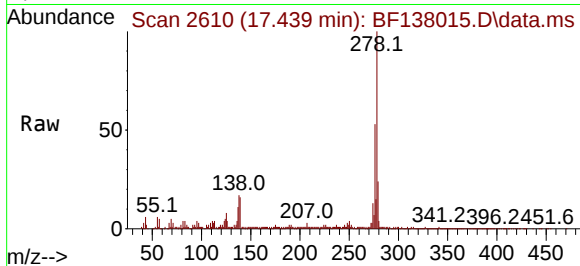




#91
Dibenzo(a,h)anthracene
Concen: 20.504 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.012 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Instrument :
BNA_F
ClientSampleId :
HD-01-05212024MSD

Tgt Ion:278 Resp: 202349
Ion Ratio Lower Upper
278 100
139 16.4 13.1 19.7
279 24.2 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 19.029 ng
RT: 17.915 min Scan# 2691
Delta R.T. 0.006 min
Lab File: BF138015.D
Acq: 22 May 2024 20:26

Tgt Ion:276 Resp: 197279
Ion Ratio Lower Upper
276 100
277 23.1 18.9 28.3
138 21.4 17.6 26.4

