

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136941.D
 Acq On : 04 Jan 2024 15:14
 Operator : CG\JU
 Sample : 05897-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-36aMSD

Quant Time: Jan 04 15:35:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	60222	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	220374	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	99894	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	170037	20.000	ng	0.00
76) Chrysene-d12	13.968	240	128551	20.000	ng	0.00
86) Perylene-d12	15.451	264	158092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	409686	106.145	ng	0.01
7) Phenol-d6	6.440	99	496390	99.254	ng	0.00
23) Nitrobenzene-d5	7.351	82	315782	73.325	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	114181	97.054	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	568067	76.485	ng	-0.01
79) Terphenyl-d14	12.904	244	519568	56.482	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.610	88	66052	41.073	ng	97
3) Pyridine	3.375	79	151501	38.611	ng	99
4) n-Nitrosodimethylamine	3.346	42	85242	40.681	ng	98
6) Aniline	6.451	93	88876	17.774	ng	# 1
8) 2-Chlorophenol	6.575	128	179001	42.379	ng	97
9) Benzaldehyde	6.340	77	45448	15.976	ng	99
10) Phenol	6.451	94	206098	38.604	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	168982	41.620	ng	100
12) 1,3-Dichlorobenzene	6.722	146	191262	41.509	ng	98
13) 1,4-Dichlorobenzene	6.798	146	193387	41.076	ng	98
14) 1,2-Dichlorobenzene	6.951	146	179978	41.082	ng	98
15) Benzyl Alcohol	6.934	79	138426	41.027	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	268304	40.419	ng	60
17) 2-Methylphenol	7.051	107	135289	38.664	ng	94
18) Hexachloroethane	7.287	117	69867	40.862	ng	95
19) n-Nitroso-di-n-propyla...	7.198	70	118460	39.074	ng	98
20) 3+4-Methylphenols	7.204	107	171264	39.178	ng	# 55
22) Acetophenone	7.192	105	250515	45.353	ng	# 87
24) Nitrobenzene	7.369	77	177767	41.206	ng	94
25) Isophorone	7.604	82	312348	39.859	ng	99
26) 2-Nitrophenol	7.681	139	90013	43.610	ng	94
27) 2,4-Dimethylphenol	7.728	122	121252	48.253	ng	98
28) bis(2-Chloroethoxy)met...	7.810	93	197436	41.449	ng	100
29) 2,4-Dichlorophenol	7.928	162	134638	41.618	ng	97
30) 1,2,4-Trichlorobenzene	8.004	180	153743	42.653	ng	99
31) Naphthalene	8.081	128	505790	41.778	ng	99
32) Benzoic acid	7.857	122	93043	38.268	ng	99
33) 4-Chloroaniline	8.139	127	23467	5.250	ng	98
34) Hexachlorobutadiene	8.192	225	91337	41.707	ng	99
35) Caprolactam	8.510	113	38861	36.413	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	134956	37.055	ng	98
37) 2-Methylnaphthalene	8.775	142	311043	39.921	ng	100
38) 1-Methylnaphthalene	8.875	142	295170	38.614	ng	99
40) 1,2,4,5-Tetrachloroben...	8.939	216	155880	50.387	ng	99
41) Hexachlorocyclopentadiene	8.922	237	100779	100.811	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	86606	43.652	ng	97

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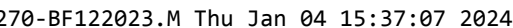
Instrument :
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	92162	41.685	ng	97
46) 1,1'-Biphenyl	9.239	154	393613	46.956	ng	99
47) 2-Chloronaphthalene	9.269	162	289430	45.418	ng	97
48) 2-Nitroaniline	9.369	65	79420	39.798	ng	95
49) Acenaphthylene	9.680	152	454965	46.709	ng	99
50) Dimethylphthalate	9.545	163	303683	41.620	ng	99
51) 2,6-Dinitrotoluene	9.610	165	66601	40.219	ng	91
52) Acenaphthene	9.851	154	263305	43.609	ng	98
53) 3-Nitroaniline	9.780	138	32021	18.254	ng	98
54) 2,4-Dinitrophenol	9.898	184	56030	61.935	ng	96
55) Dibenzofuran	10.028	168	392175	42.848	ng	99
56) 4-Nitrophenol	9.969	139	72955	61.609	ng	98
57) 2,4-Dinitrotoluene	10.022	165	82878	38.553	ng	94
58) Fluorene	10.369	166	310910	42.812	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	68271	40.114	ng	98
60) Diethylphthalate	10.245	149	305038	40.293	ng	98
61) 4-Chlorophenyl-phenyle...	10.363	204	147852	41.885	ng	96
62) 4-Nitroaniline	10.398	138	57470	33.985	ng	97
63) Azobenzene	10.522	77	282720	39.983	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	39301	40.330	ng	82
66) n-Nitrosodiphenylamine	10.486	169	259536	46.987	ng	100
67) 4-Bromophenyl-phenylether	10.851	248	86718	45.922	ng	99
68) Hexachlorobenzene	10.922	284	95169	45.223	ng	95
69) Atrazine	11.016	200	77490	54.850	ng	98
70) Pentachlorophenol	11.122	266	66634	67.931	ng	97
71) Phenanthrene	11.339	178	401910	46.066	ng	99
72) Anthracene	11.386	178	394106	44.603	ng	98
73) Carbazole	11.551	167	367767	44.147	ng	100
74) Di-n-butylphthalate	11.880	149	487644	47.971	ng	98
75) Fluoranthene	12.533	202	422871	45.312	ng	98
77) Benzidine	12.663	184	80809	21.319	ng	100
78) Pyrene	12.763	202	433284	34.335	ng	99
80) Butylbenzylphthalate	13.386	149	208947	45.504	ng	97
81) Benzo(a)anthracene	13.963	228	409467	45.871	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	81809	32.271	ng	# 96
83) Chrysene	13.998	228	388235	44.476	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	327287	56.650	ng	100
85) Di-n-octyl phthalate	14.563	149	589251	65.936	ng	99
87) Indeno(1,2,3-cd)pyrene	16.974	276	534792	46.852	ng	100
88) Benzo(b)fluoranthene	15.021	252	421663	39.934	ng	100
89) Benzo(k)fluoranthene	15.051	252	394991	39.589	ng	98
90) Benzo(a)pyrene	15.392	252	373917	41.952	ng	100
91) Dibenzo(a,h)anthracene	16.992	278	450993	48.160	ng	99
92) Benzo(g,h,i)perylene	17.439	276	431053	44.943	ng	99

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

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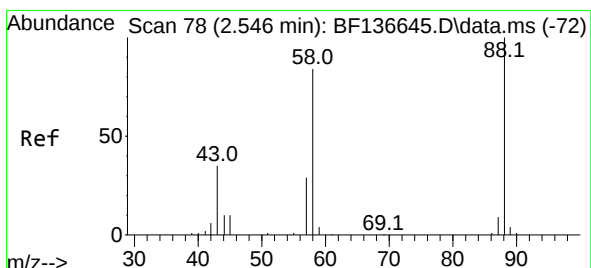
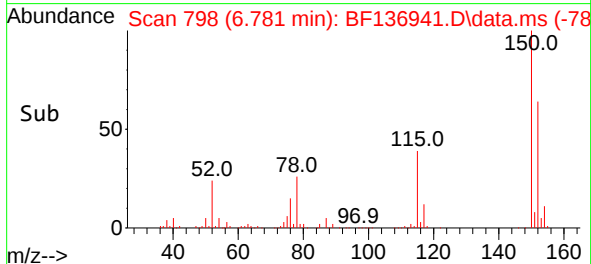
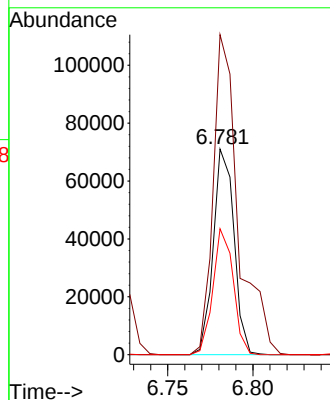
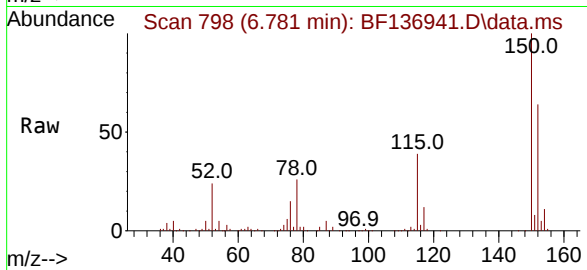




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

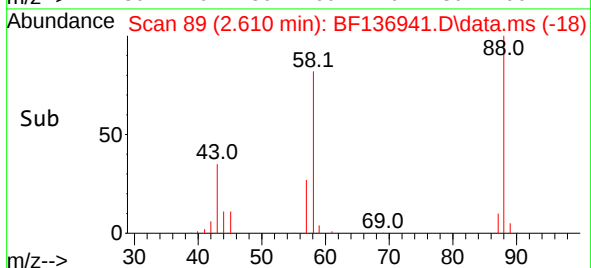
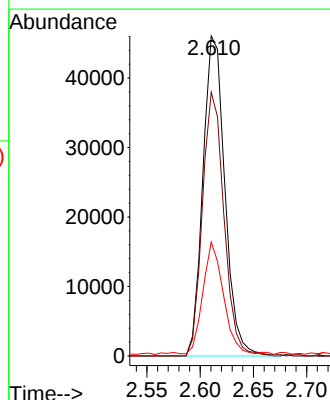
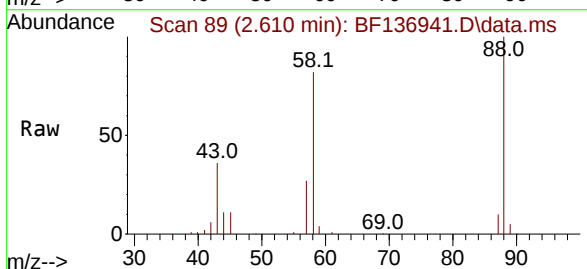
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

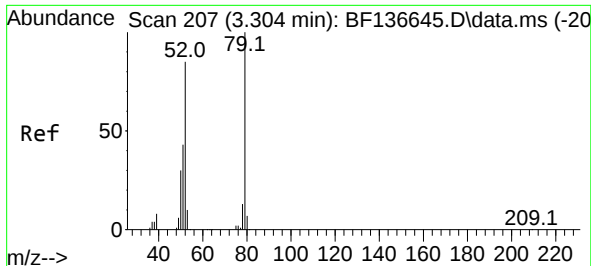
Tgt Ion:152 Resp: 60222
Ion Ratio Lower Upper
152 100
150 155.6 127.0 190.6
115 61.2 49.0 73.4



#2
1,4-Dioxane
Concen: 41.073 ng
RT: 2.610 min Scan# 89
Delta R.T. 0.065 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 88 Resp: 66052
Ion Ratio Lower Upper
88 100
58 80.9 67.4 101.0
43 33.3 27.7 41.5

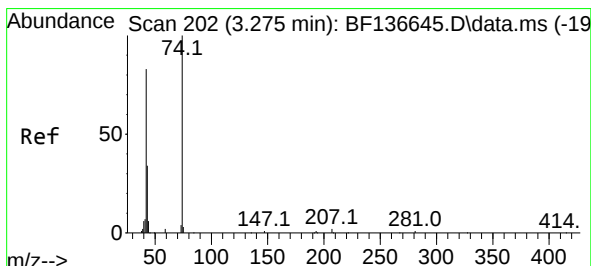
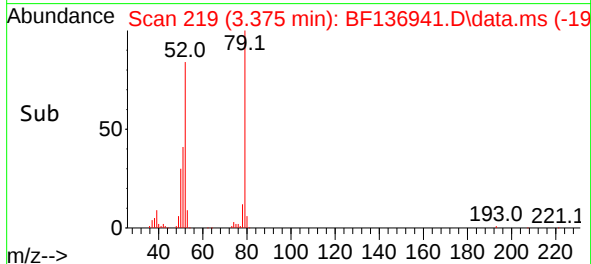
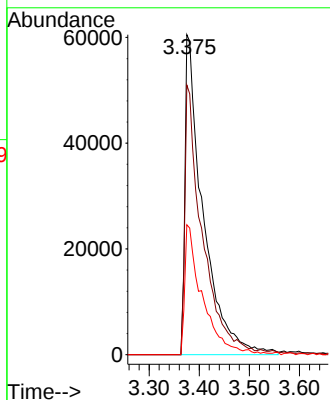
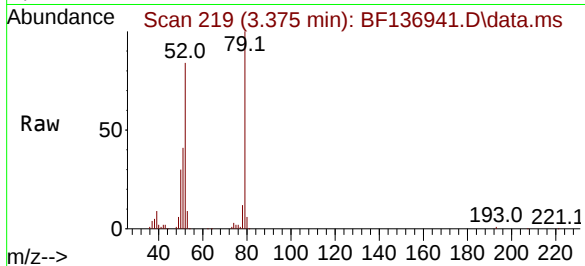




#3
Pyridine
Concen: 38.611 ng
RT: 3.375 min Scan# 214
Delta R.T. 0.071 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

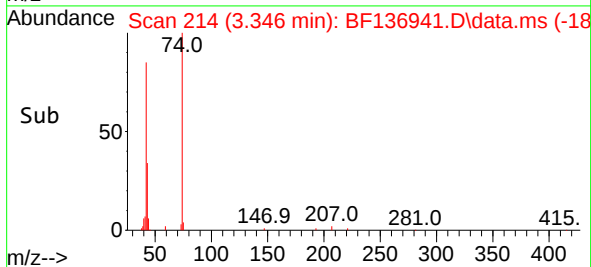
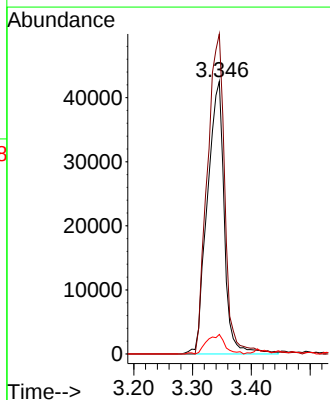
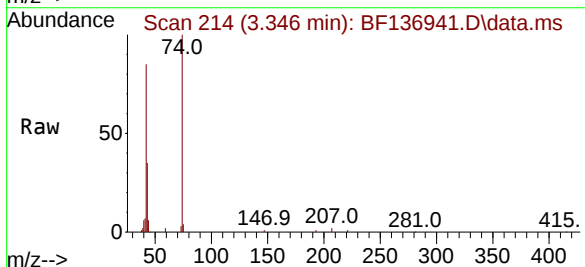
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

Tgt Ion: 79 Resp: 151501
Ion Ratio Lower Upper
79 100
52 84.2 67.7 101.5
51 40.6 34.0 51.0



#4
n-Nitrosodimethylamine
Concen: 40.681 ng
RT: 3.346 min Scan# 214
Delta R.T. 0.071 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 42 Resp: 85242
Ion Ratio Lower Upper
42 100
74 117.4 96.0 144.0
44 7.2 5.4 8.2

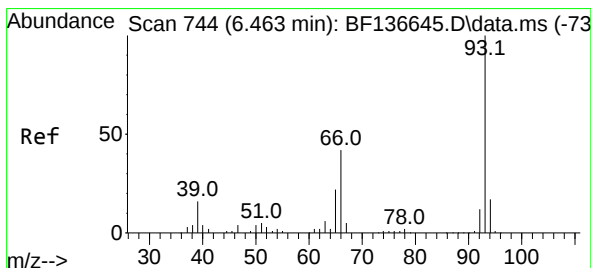
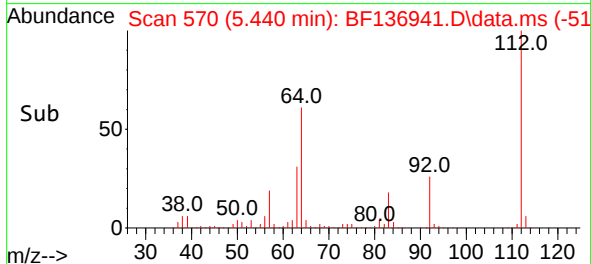
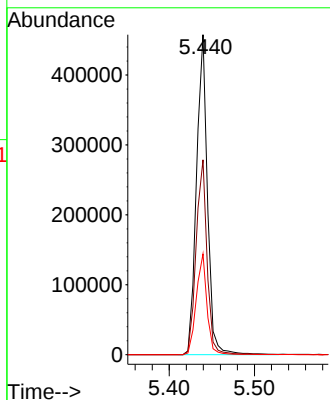
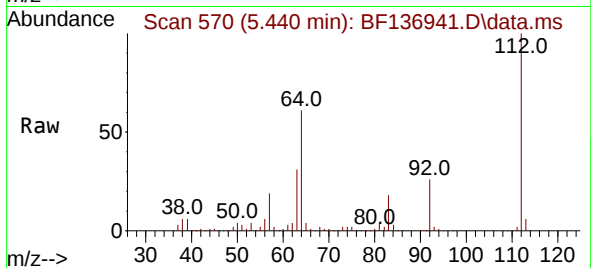




#5
2-Fluorophenol
Concen: 106.145 ng
RT: 5.440 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

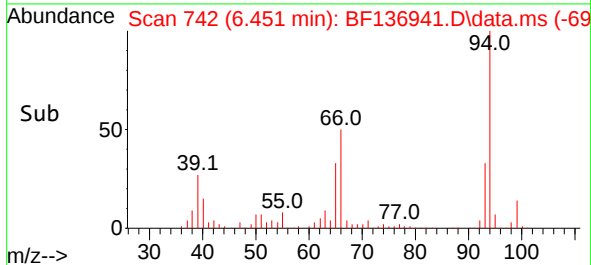
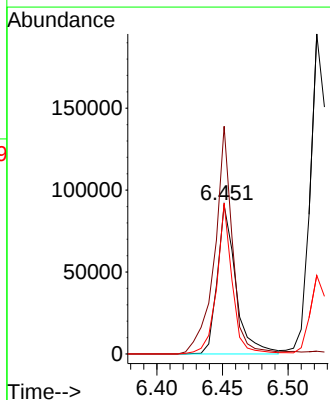
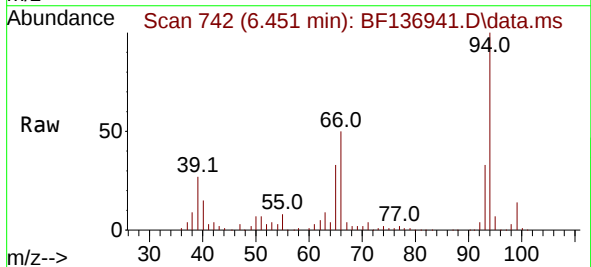
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ClientSampleId :
GHL-SS-36aMSD

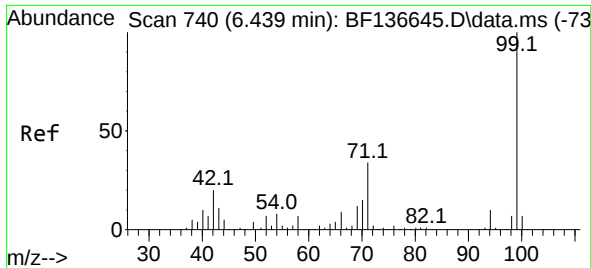
Tgt Ion:112 Resp: 409686
Ion Ratio Lower Upper
112 100
64 60.9 51.1 76.7
63 31.5 26.1 39.1



#6
Aniline
Concen: 17.774 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 93 Resp: 88876
Ion Ratio Lower Upper
93 100
66 152.8 34.6 51.8#
65 101.2 17.8 26.8#





#7

Phenol-d6

Concen: 99.254 ng

RT: 6.440 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

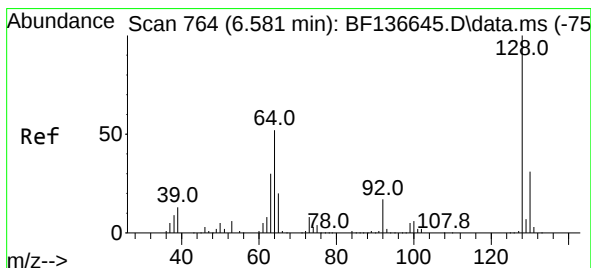
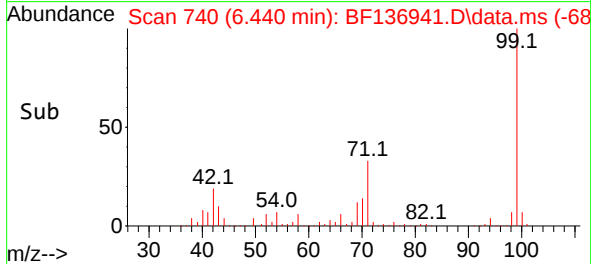
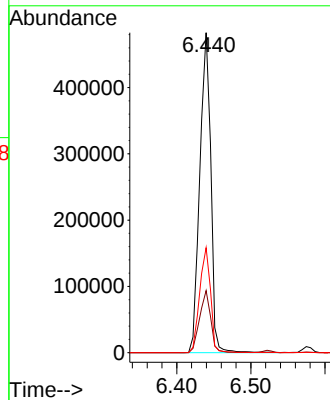
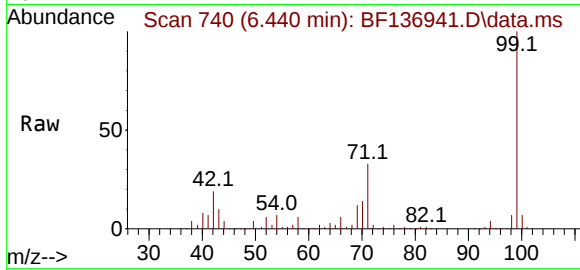
Tgt Ion: 99 Resp: 496390

Ion Ratio Lower Upper

99 100

42 19.4 16.1 24.1

71 32.8 27.4 41.2



#8

2-Chlorophenol

Concen: 42.379 ng

RT: 6.575 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

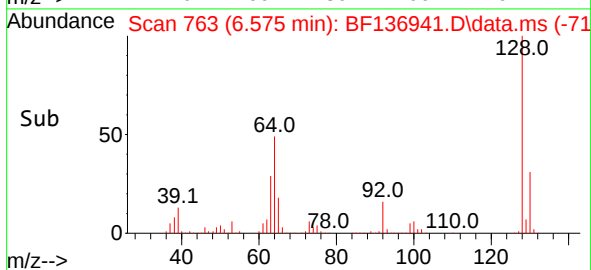
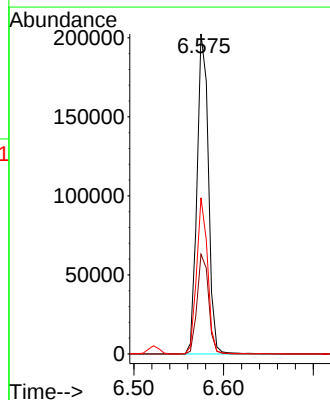
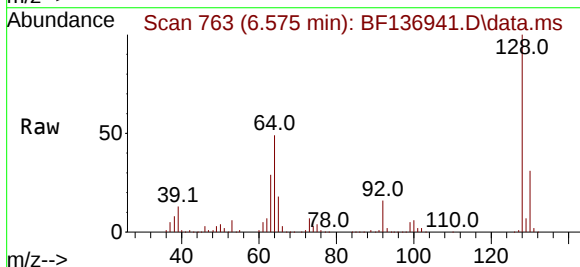
Tgt Ion:128 Resp: 179001

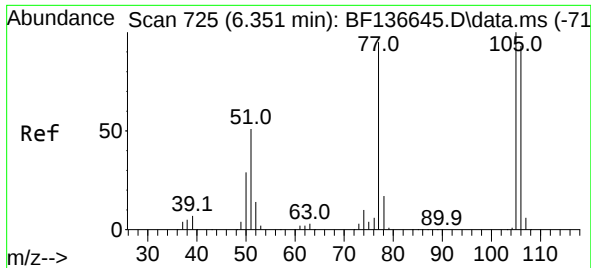
Ion Ratio Lower Upper

128 100

130 31.1 11.3 51.3

64 48.8 32.5 72.5





#9

Benzaldehyde

Concen: 15.976 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

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Acq: 04 Jan 2024 15:14

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ClientSampleId :

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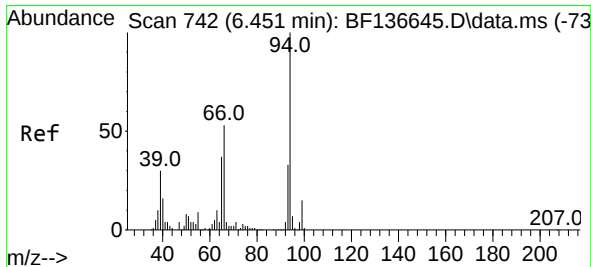
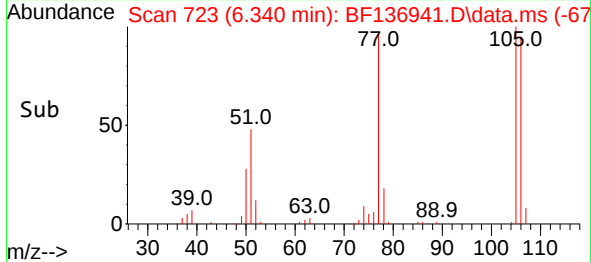
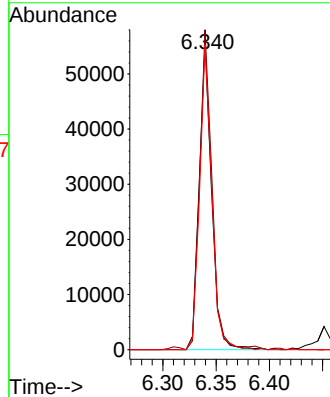
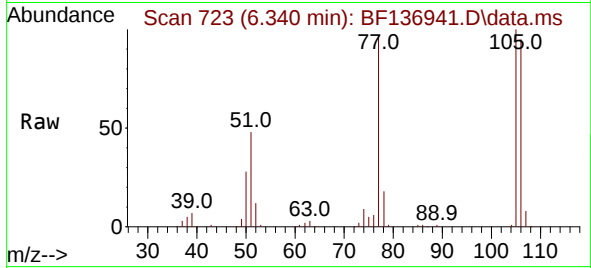
Tgt Ion: 77 Resp: 45448

Ion Ratio Lower Upper

77 100

105 103.4 84.8 124.8

106 98.6 77.8 117.8



#10

Phenol

Concen: 38.604 ng

RT: 6.451 min Scan# 742

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

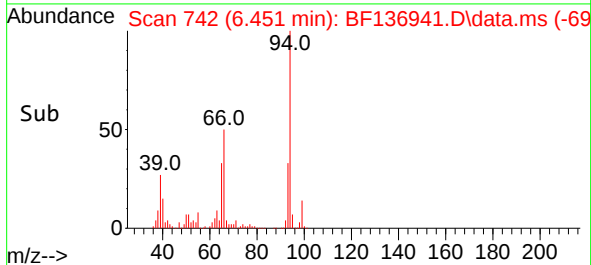
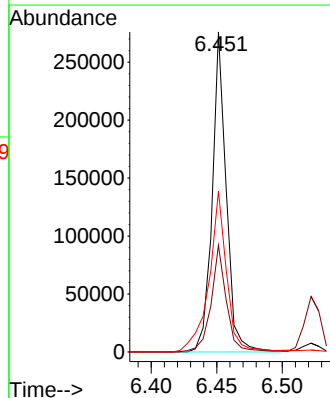
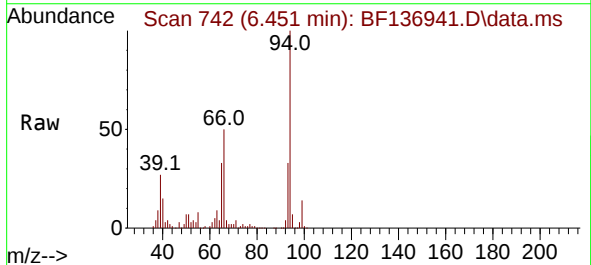
Tgt Ion: 94 Resp: 206098

Ion Ratio Lower Upper

94 100

65 33.3 16.6 56.6

66 50.3 32.6 72.6

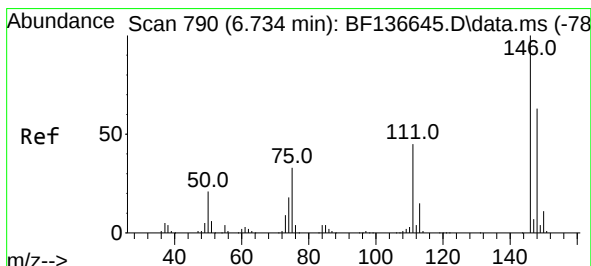
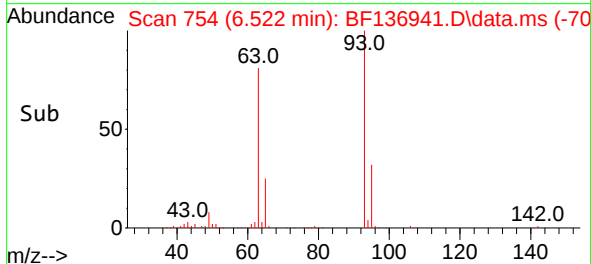
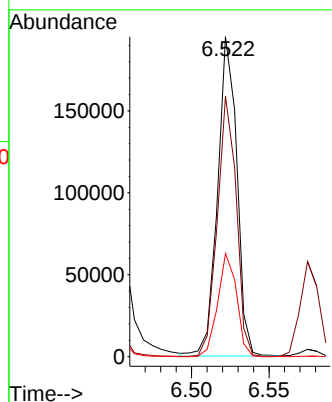
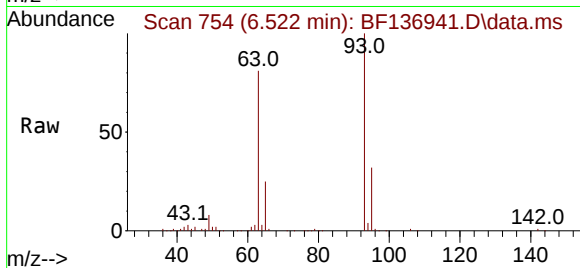




#11
bis(2-Chloroethyl)ether
Concen: 41.620 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

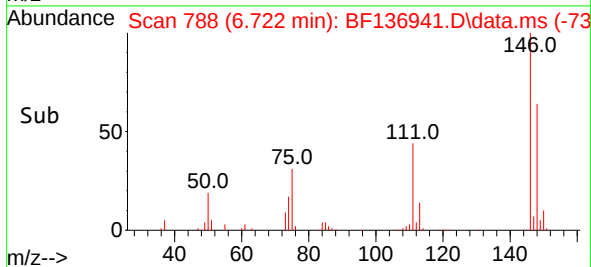
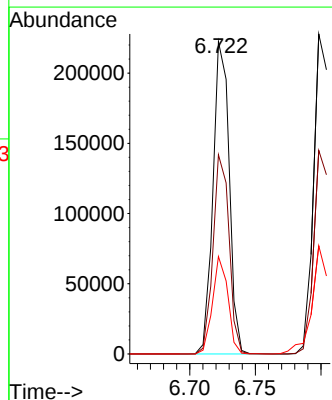
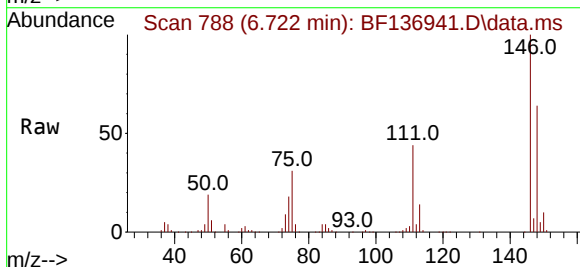
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

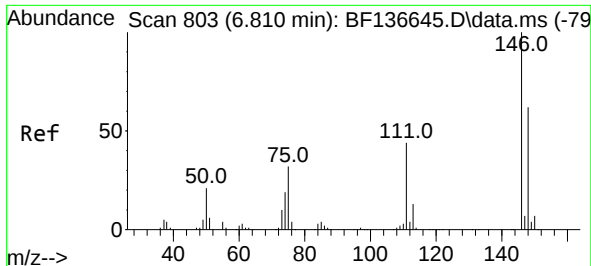
Tgt Ion: 93 Resp: 168982
Ion Ratio Lower Upper
93 100
63 81.4 61.2 101.2
95 32.3 11.6 51.6



#12
1,3-Dichlorobenzene
Concen: 41.509 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 146 Resp: 191262
Ion Ratio Lower Upper
146 100
148 63.8 50.5 75.7
75 31.2 26.2 39.4

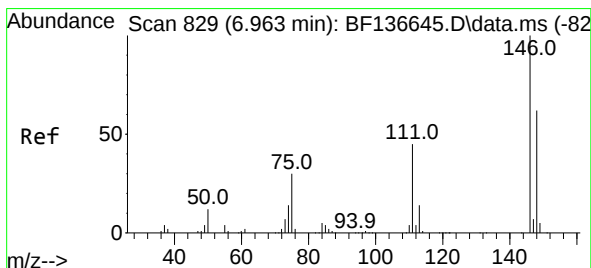
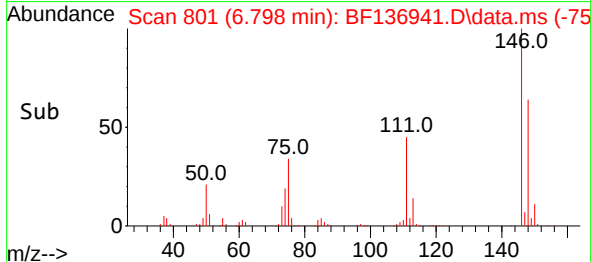
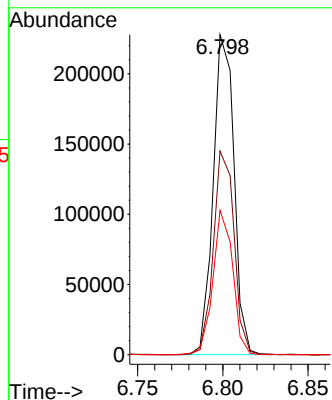
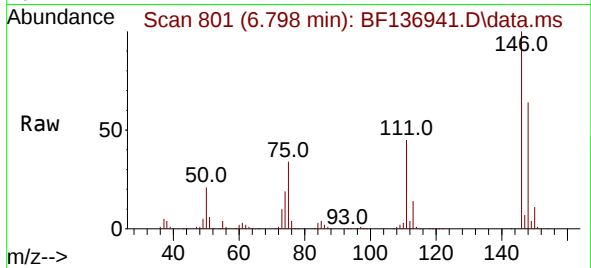




#13
1,4-Dichlorobenzene
Concen: 41.076 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

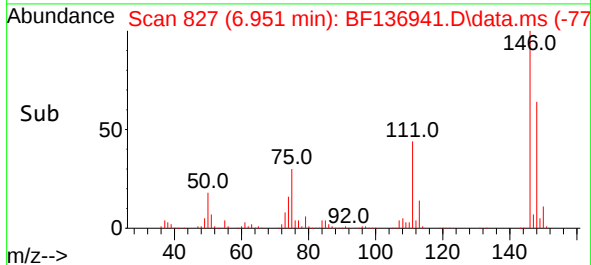
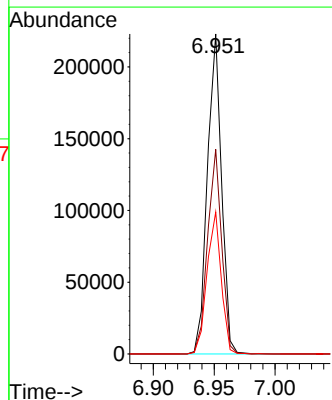
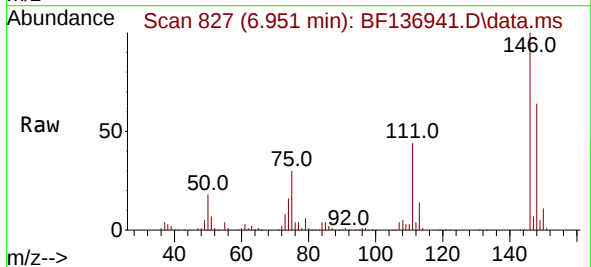
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

Tgt Ion:146 Resp: 193387
Ion Ratio Lower Upper
146 100
148 63.6 49.2 73.8
111 45.1 35.2 52.8



#14
1,2-Dichlorobenzene
Concen: 41.082 ng
RT: 6.951 min Scan# 827
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:146 Resp: 179978
Ion Ratio Lower Upper
146 100
148 63.9 49.6 74.4
111 44.4 36.2 54.2

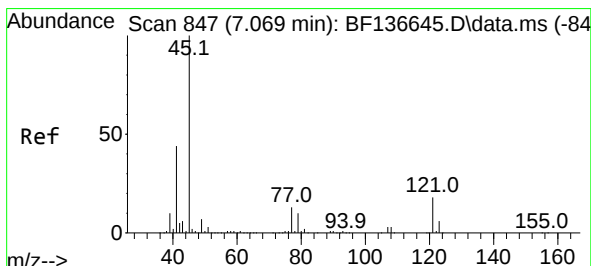
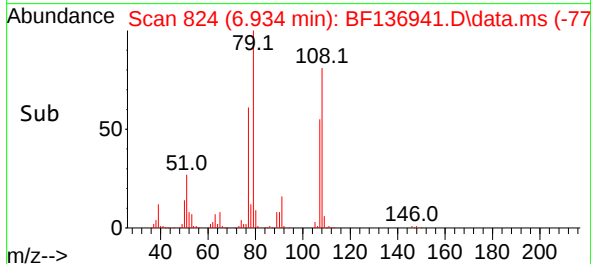
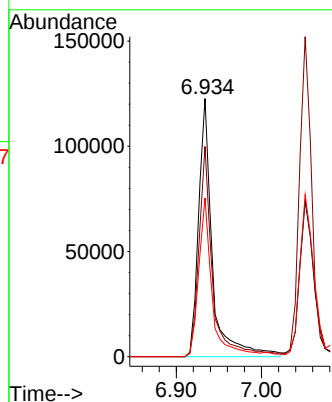
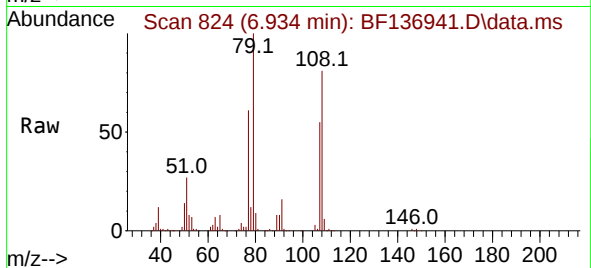




#15
Benzyl Alcohol
Concen: 41.027 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

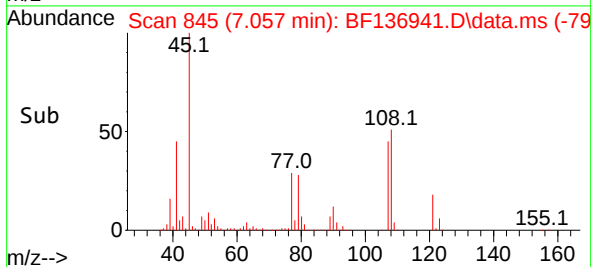
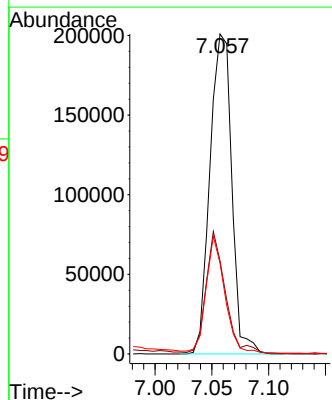
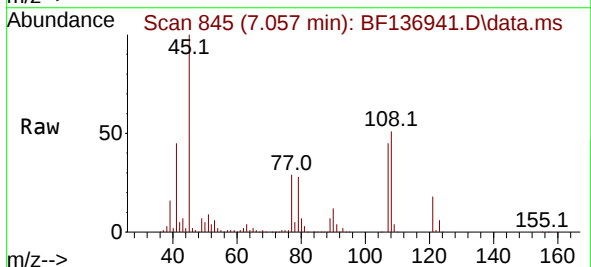
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

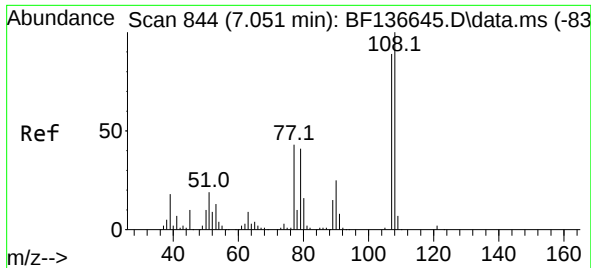
Tgt Ion: 79 Resp: 138426
Ion Ratio Lower Upper
79 100
108 81.4 61.0 91.6
77 61.5 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.419 ng
RT: 7.057 min Scan# 845
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 45 Resp: 268304
Ion Ratio Lower Upper
45 100
77 29.1 0.0 34.3
79 28.4 0.0 31.4

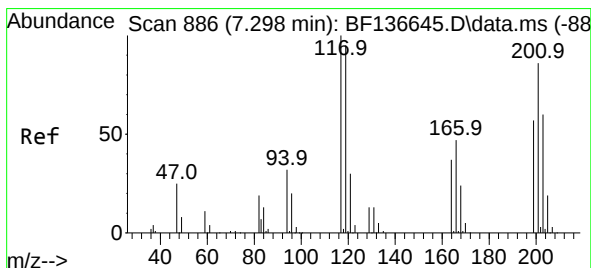
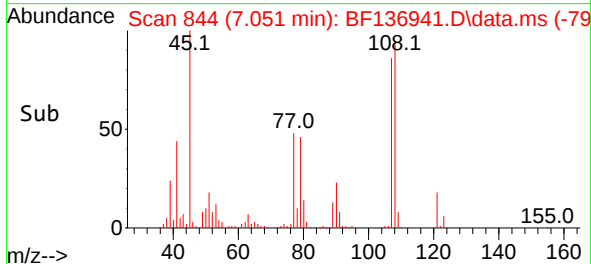
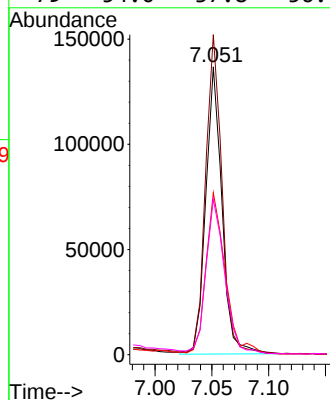
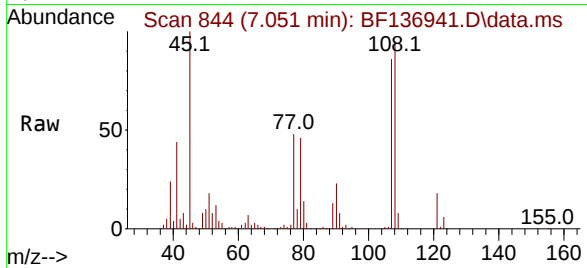




#17
2-Methylphenol
Concen: 38.664 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

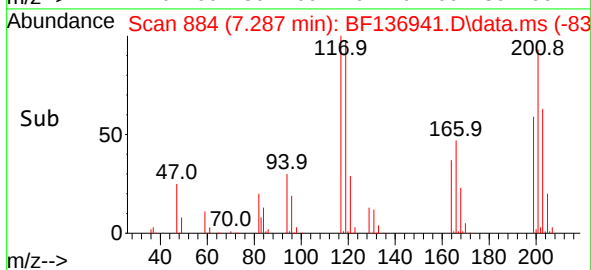
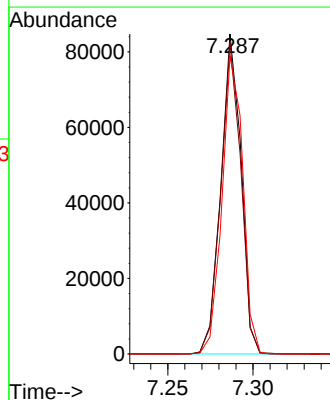
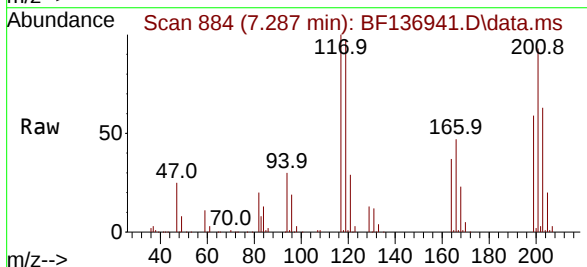
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

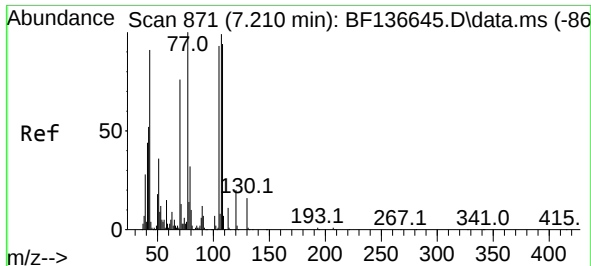
Tgt Ion:	107	Resp:	135289
Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.3	135.5
77	56.3	38.7	58.1
79	54.0	37.8	56.6



#18
Hexachloroethane
Concen: 40.862 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:	117	Resp:	69867
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.8	113.6
201	93.1	69.1	103.7





#19

n-Nitroso-di-n-propylamine

Concen: 39.074 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF136941.D

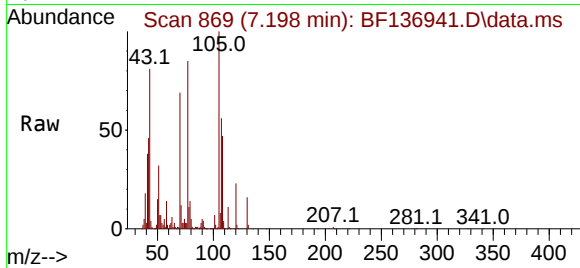
Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD



Tgt Ion: 70 Resp: 118460

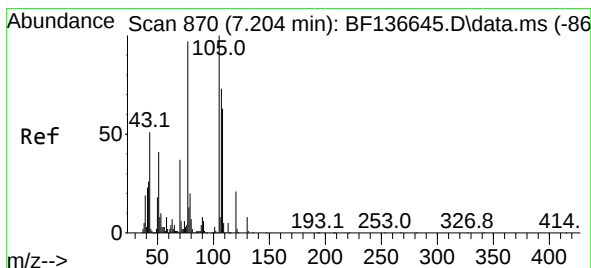
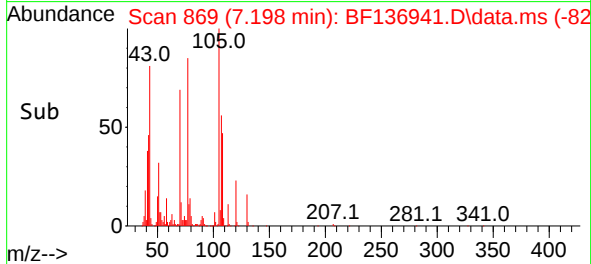
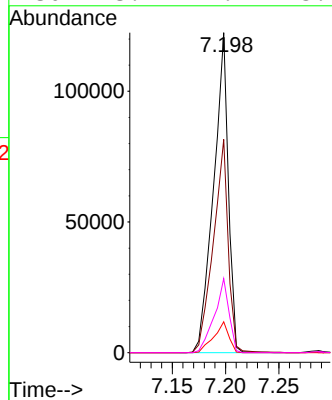
Ion Ratio Lower Upper

70 100

42 66.6 54.2 81.4

101 9.6 7.6 11.4

130 23.1 17.1 25.7



#20

3+4-Methylphenols

Concen: 39.178 ng

RT: 7.204 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion: 107 Resp: 171264

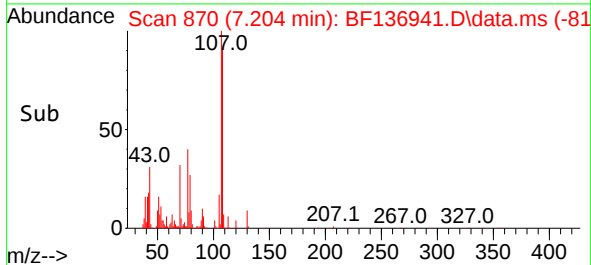
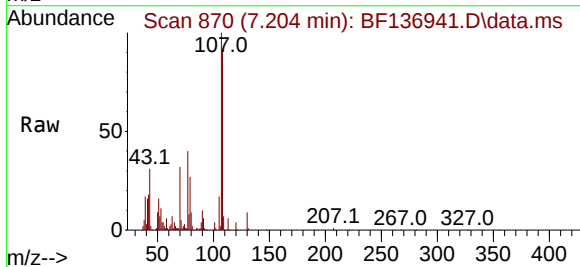
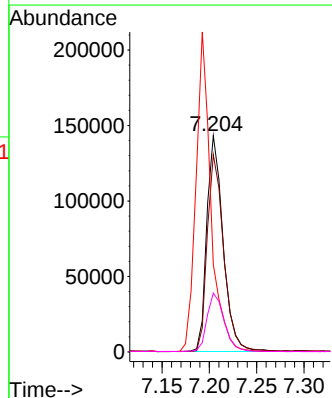
Ion Ratio Lower Upper

107 100

108 91.2 66.0 106.0

77 40.5 114.2 154.2#

79 27.2 7.2 47.2



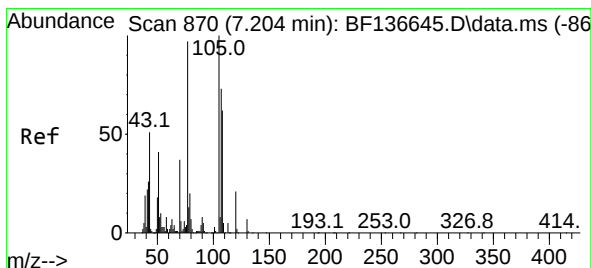
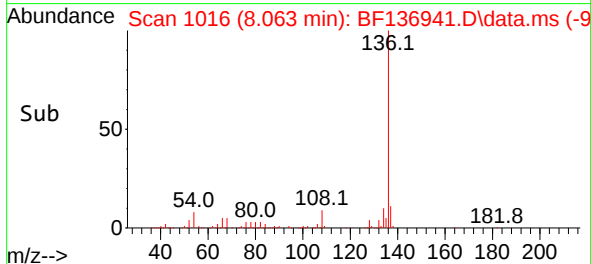
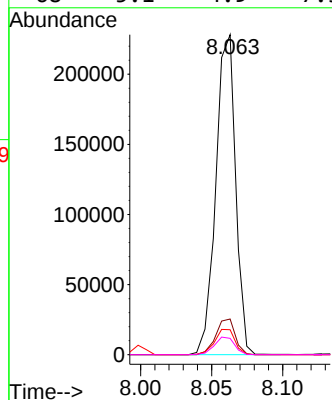
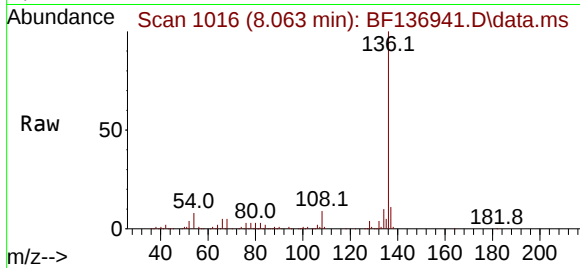


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

Tgt Ion:136 Resp: 220374

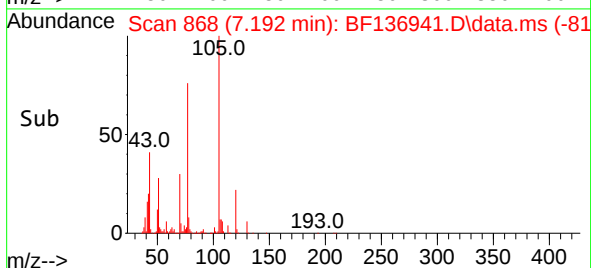
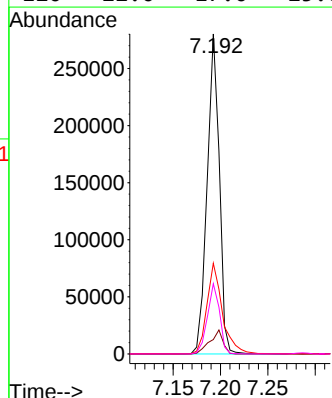
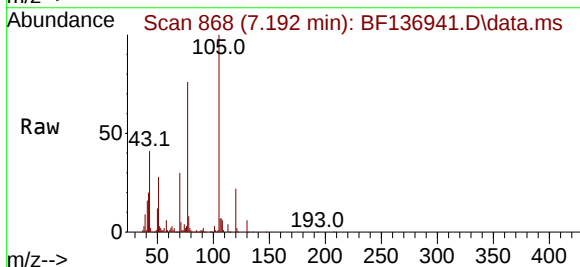
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.8	7.2	10.8
68	5.1	4.9	7.3



#22
Acetophenone
Concen: 45.353 ng
RT: 7.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:105 Resp: 250515

Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.8	7.2#
51	28.3	32.8	49.2#
120	22.0	17.0	25.6

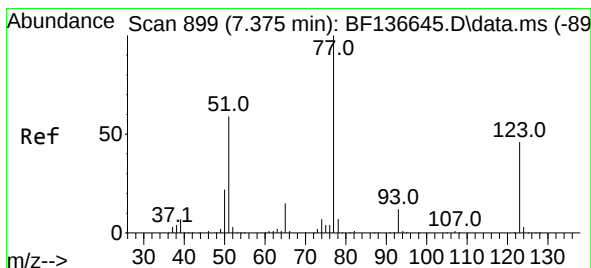
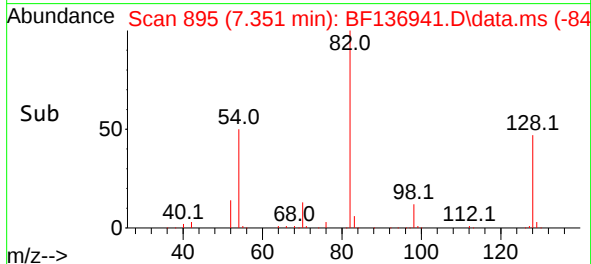
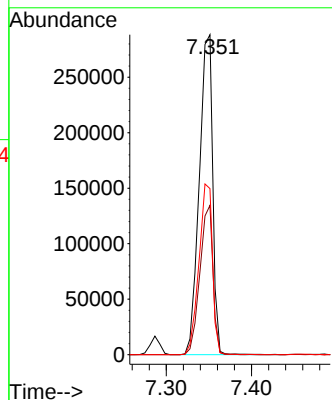
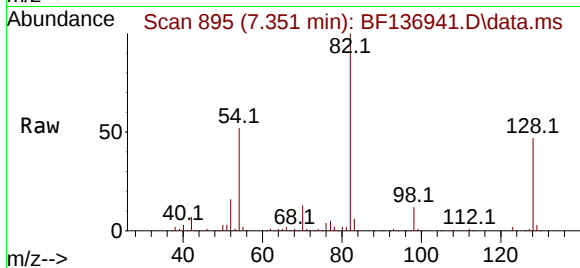




#23
Nitrobenzene-d5
Concen: 73.325 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

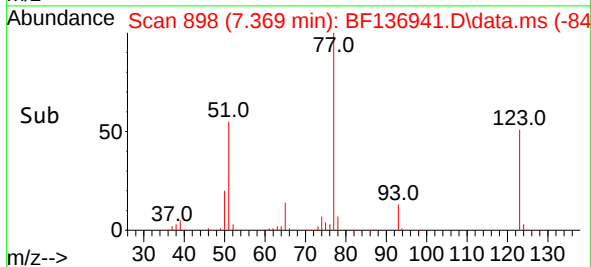
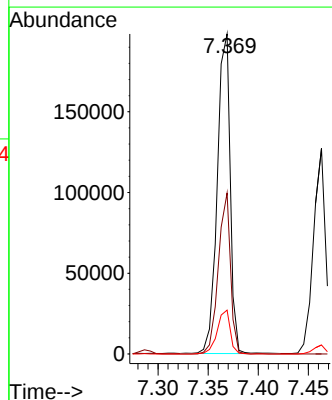
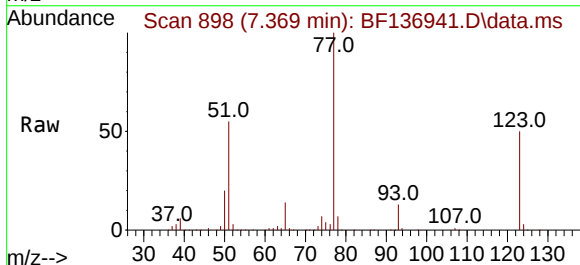
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

Tgt Ion: 82 Resp: 315782
Ion Ratio Lower Upper
82 100
128 46.6 35.3 52.9
54 51.9 44.5 66.7



#24
Nitrobenzene
Concen: 41.206 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 77 Resp: 177767
Ion Ratio Lower Upper
77 100
123 50.3 36.7 55.1
65 13.7 11.8 17.6

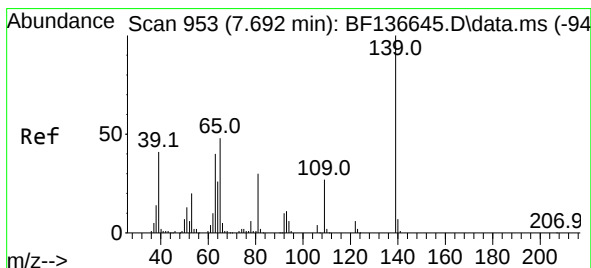
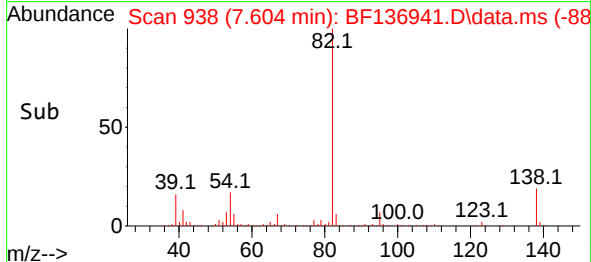
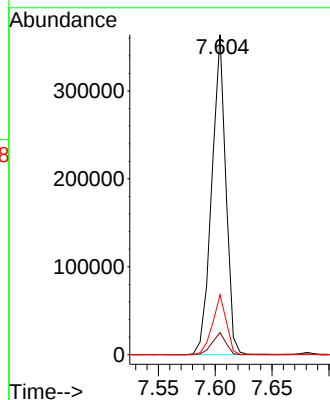
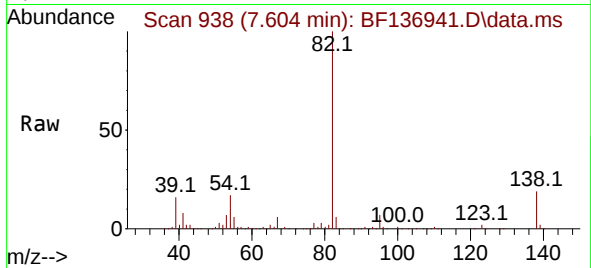




#25
Isophorone
Concen: 39.859 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

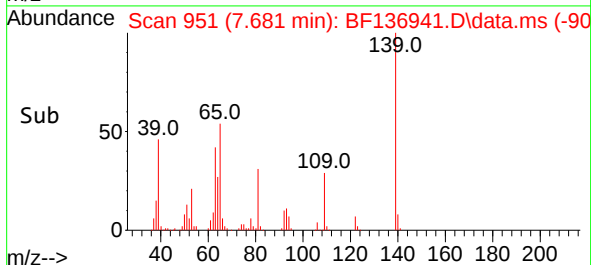
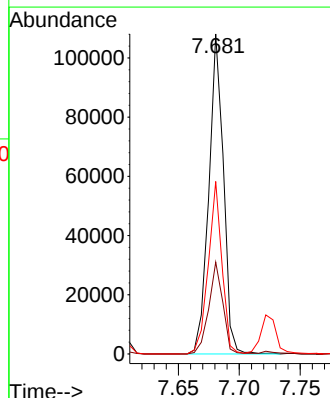
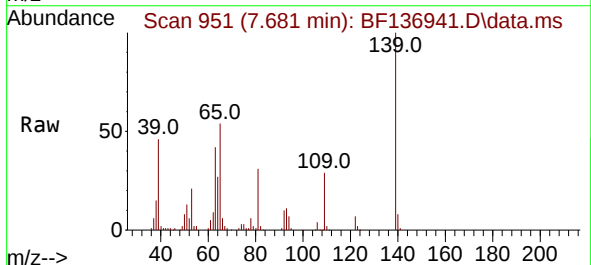
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

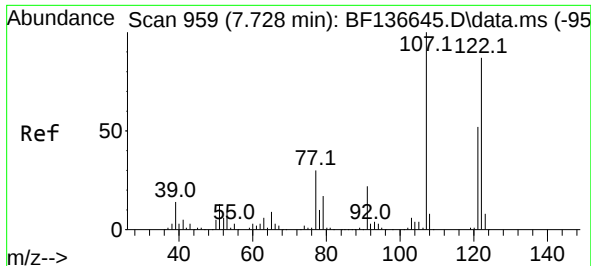
Tgt Ion: 82 Resp: 312348
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 18.7 14.5 21.7



#26
2-Nitrophenol
Concen: 43.610 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:139 Resp: 90013
Ion Ratio Lower Upper
139 100
109 28.7 21.9 32.9
65 53.9 38.6 58.0

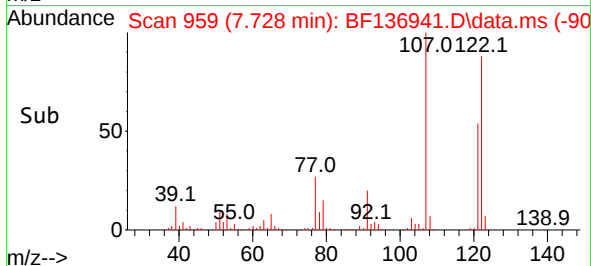
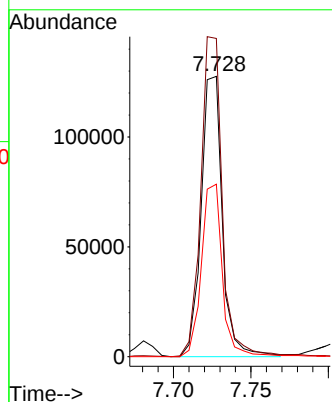
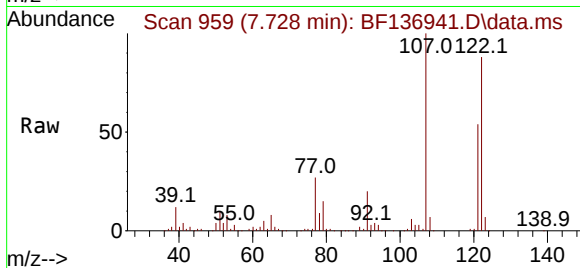




#27
2,4-Dimethylphenol
Concen: 48.253 ng
RT: 7.728 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

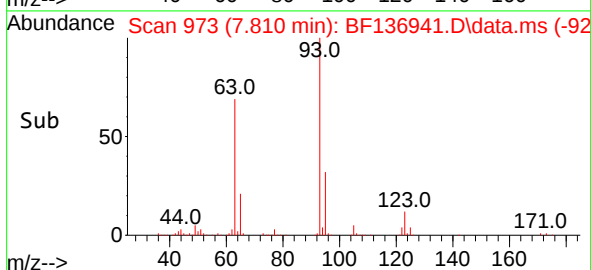
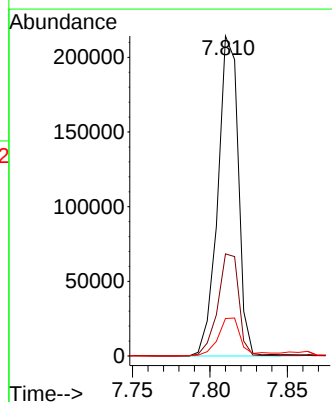
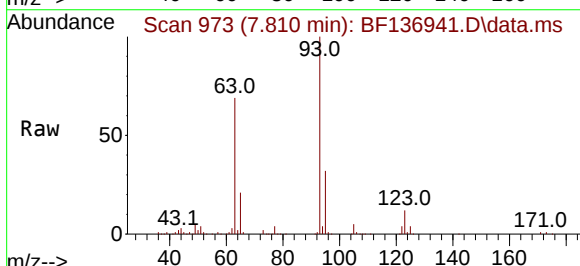
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

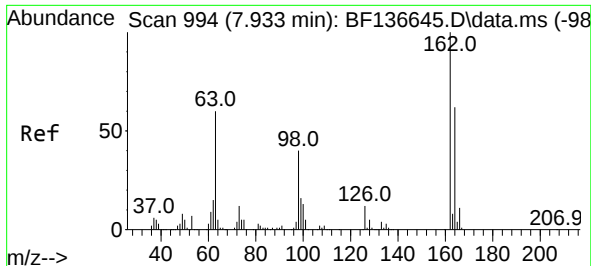
Tgt Ion:122 Resp: 121252
Ion Ratio Lower Upper
122 100
107 113.5 92.0 138.0
121 61.5 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 41.449 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion: 93 Resp: 197436
Ion Ratio Lower Upper
93 100
95 31.9 25.5 38.3
123 11.7 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 41.618 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF136941.D

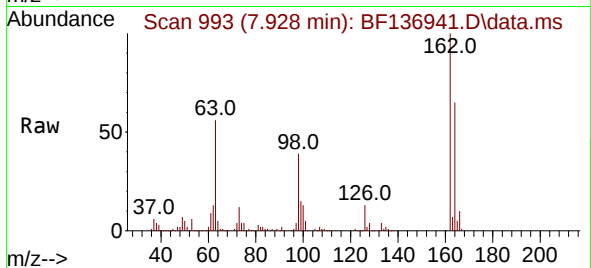
Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD



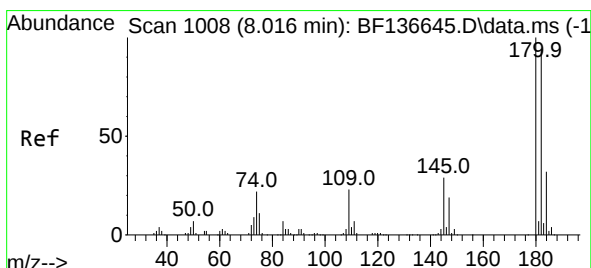
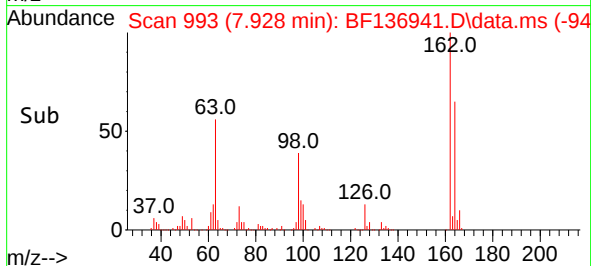
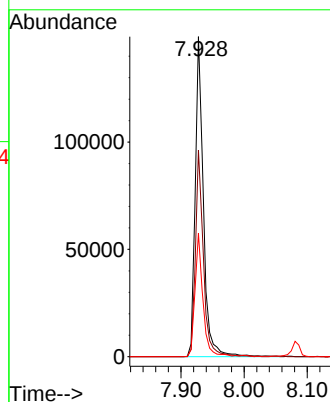
Tgt Ion:162 Resp: 134638

Ion Ratio Lower Upper

162 100

164 64.6 41.7 81.7

98 38.6 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 42.653 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

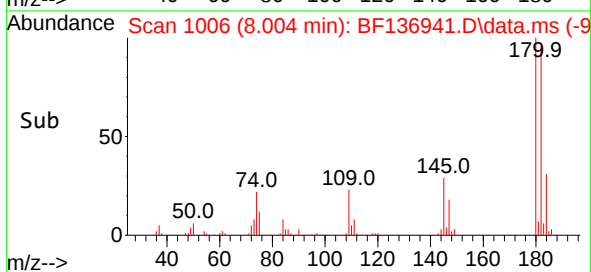
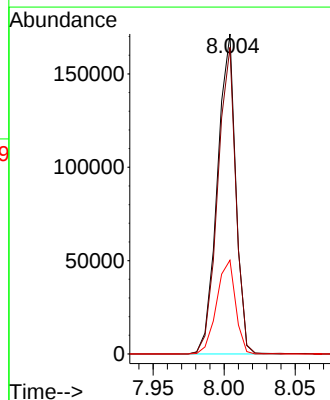
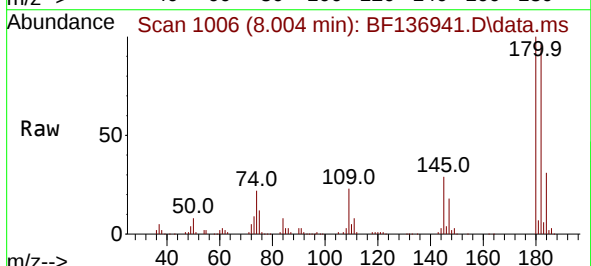
Tgt Ion:180 Resp: 153743

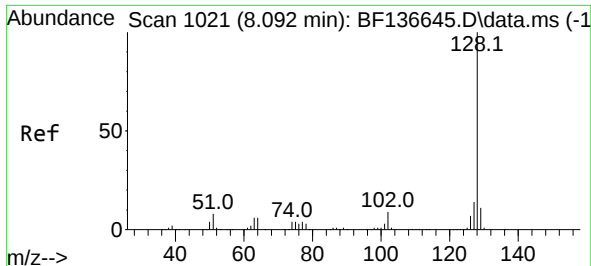
Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

145 29.3 23.1 34.7

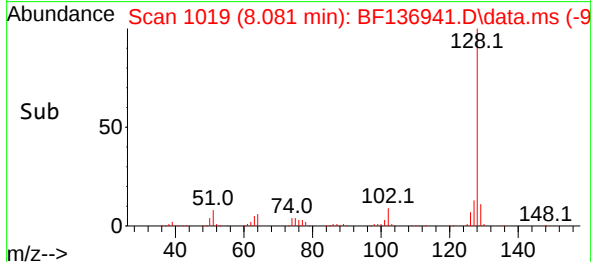
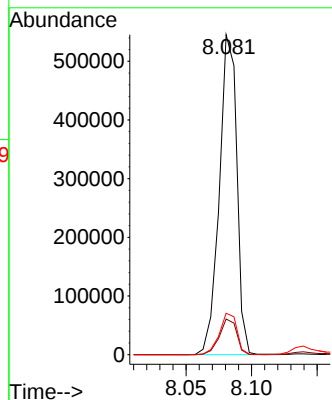
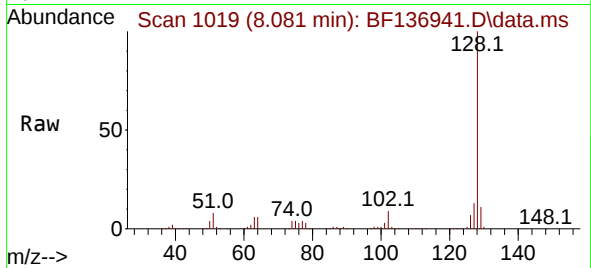




#31
Naphthalene
Concen: 41.778 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

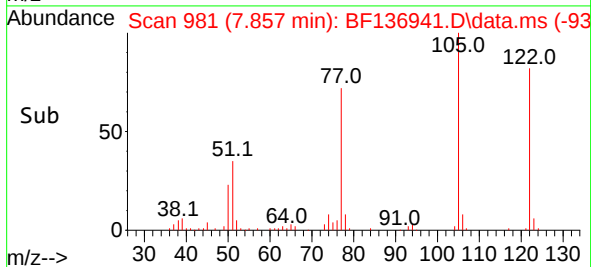
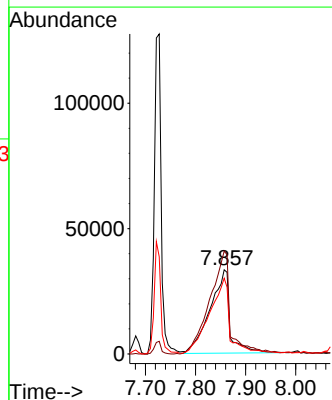
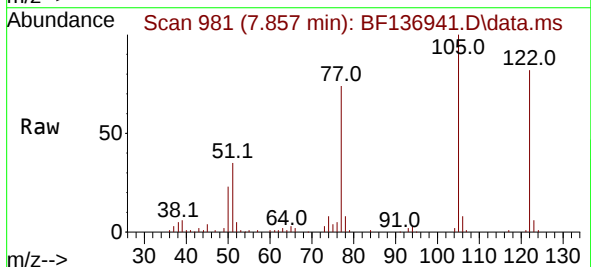
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

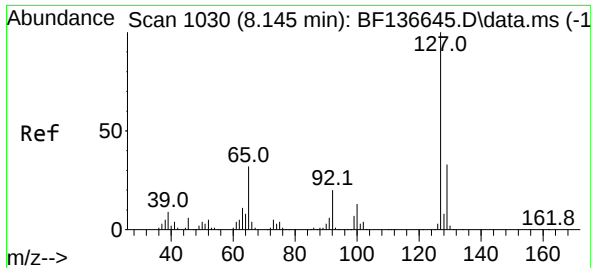
Tgt Ion:128 Resp: 505790
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.9 10.8 16.2



#32
Benzoic acid
Concen: 38.268 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:122 Resp: 93043
Ion Ratio Lower Upper
122 100
105 122.2 100.8 140.8
77 89.9 70.9 110.9

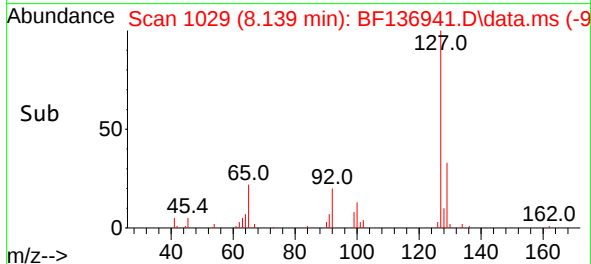
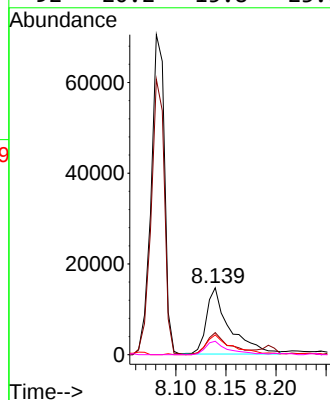
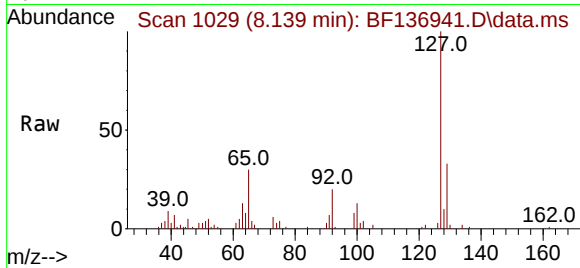




#33
4-Chloroaniline
Concen: 5.250 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

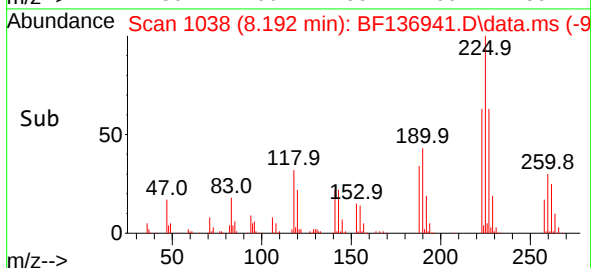
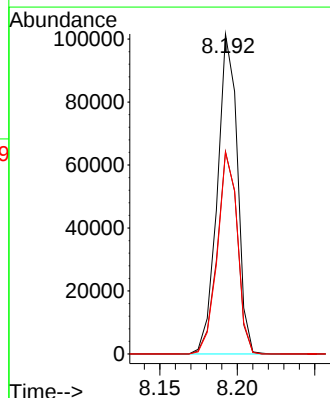
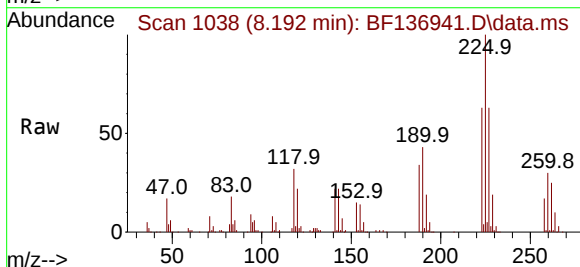
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

Tgt Ion:	127	Resp:	23467
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.3	39.5
65	29.6	25.8	38.8
92	20.2	15.8	23.6



#34
Hexachlorobutadiene
Concen: 41.707 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.018 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:	225	Resp:	91337
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	63.1	51.9	77.9

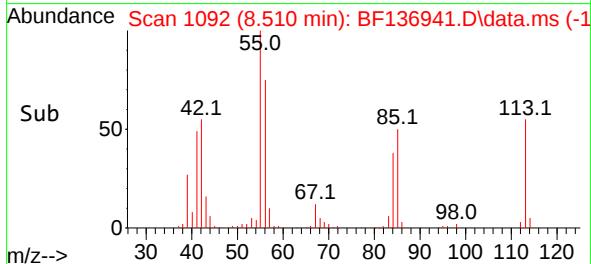
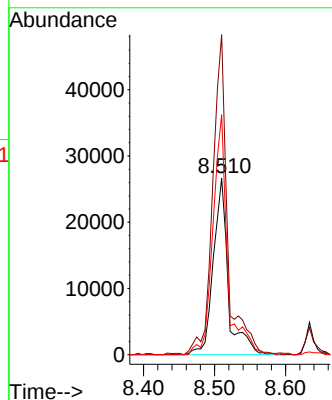
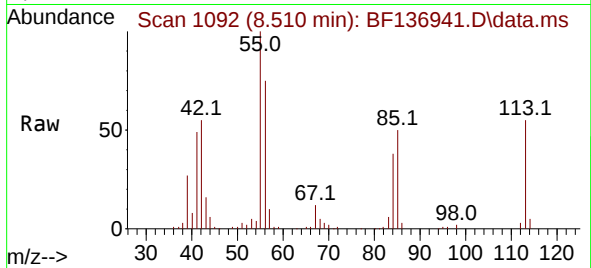




#35
 Caprolactam
 Concen: 36.413 ng
 RT: 8.510 min Scan# 11092
 Delta R.T. -0.012 min
 Lab File: BF136941.D
 Acq: 04 Jan 2024 15:14

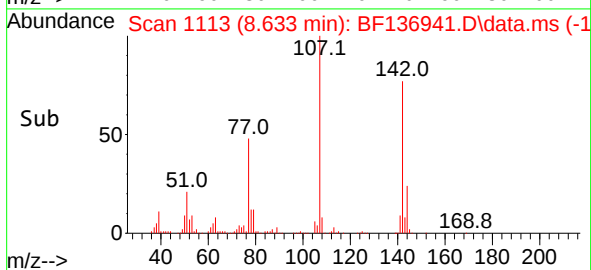
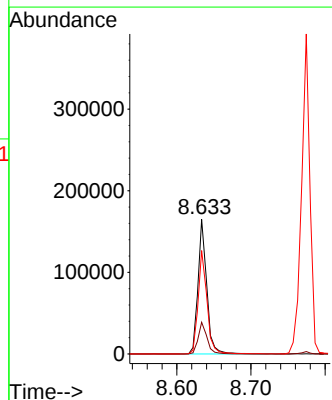
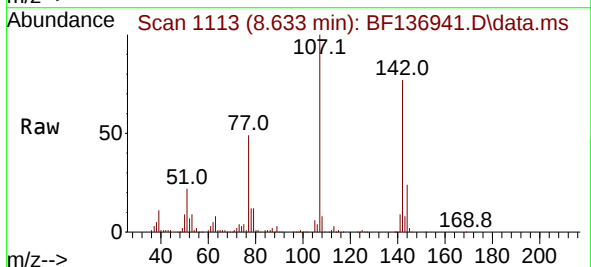
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-36aMSD

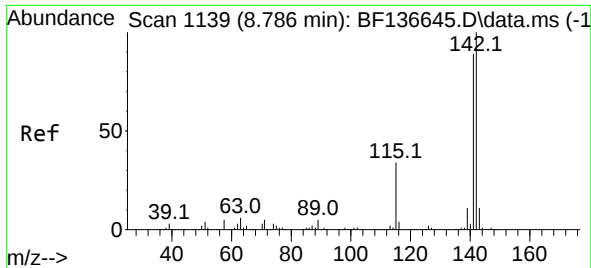
Tgt Ion:113 Resp: 38861
 Ion Ratio Lower Upper
 113 100
 55 181.2 163.1 203.1
 56 136.0 121.7 161.7



#36
 4-Chloro-3-methylphenol
 Concen: 37.055 ng
 RT: 8.633 min Scan# 1113
 Delta R.T. 0.000 min
 Lab File: BF136941.D
 Acq: 04 Jan 2024 15:14

Tgt Ion:107 Resp: 134956
 Ion Ratio Lower Upper
 107 100
 144 23.6 20.2 30.2
 142 76.7 62.3 93.5





#37

2-Methylnaphthalene

Concen: 39.921 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

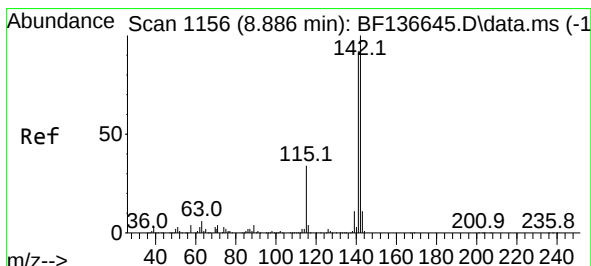
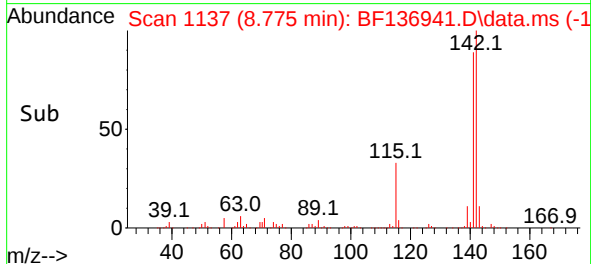
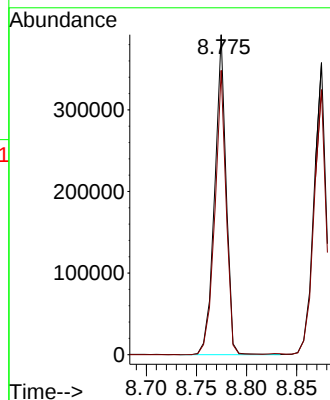
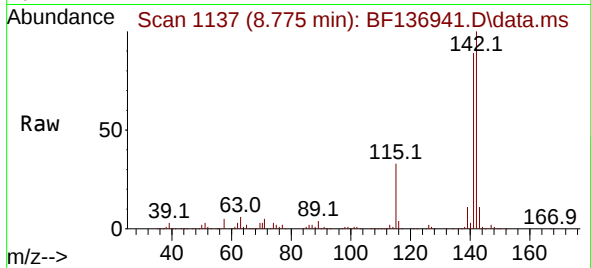
GHL-SS-36aMSD

Tgt Ion:142 Resp: 311043

Ion Ratio Lower Upper

142 100

141 88.8 71.1 106.7



#38

1-Methylnaphthalene

Concen: 38.614 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF136941.D

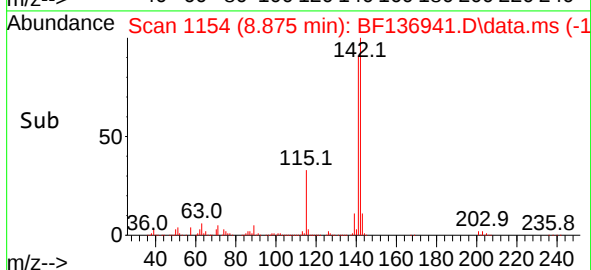
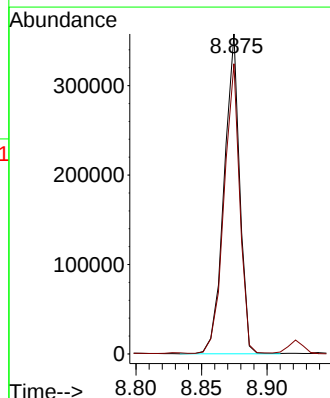
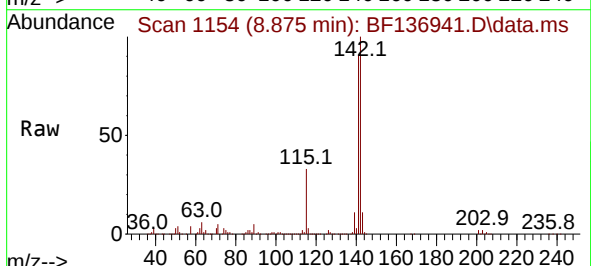
Acq: 04 Jan 2024 15:14

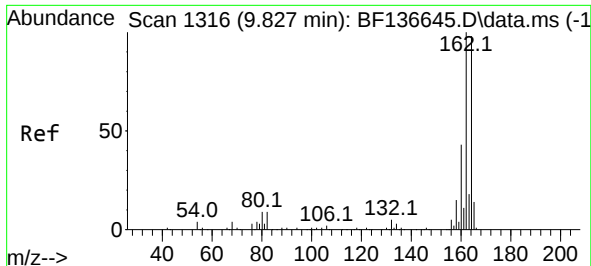
Tgt Ion:142 Resp: 295170

Ion Ratio Lower Upper

142 100

141 90.7 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

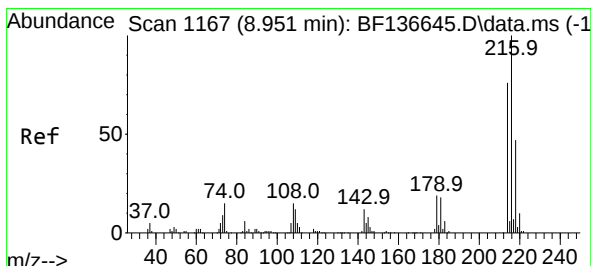
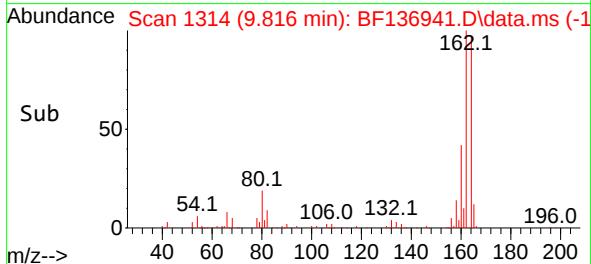
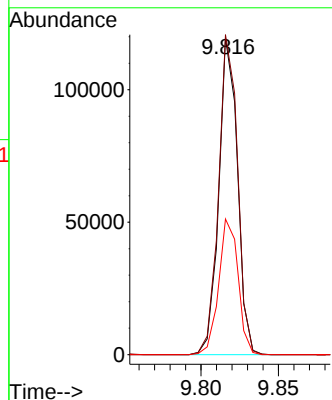
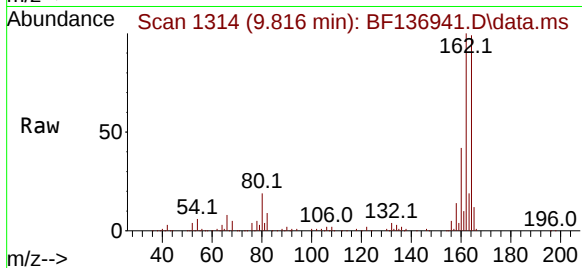
Tgt Ion:164 Resp: 99894

Ion Ratio Lower Upper

164 100

162 101.1 81.6 122.4

160 42.9 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.387 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion:216 Resp: 155880

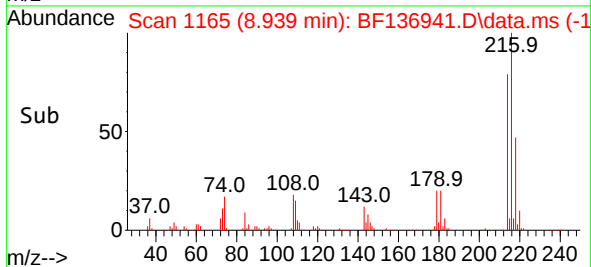
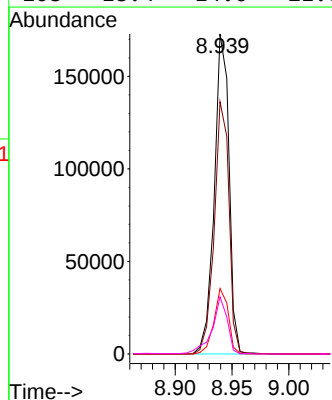
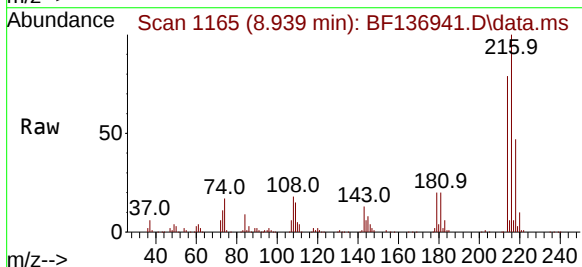
Ion Ratio Lower Upper

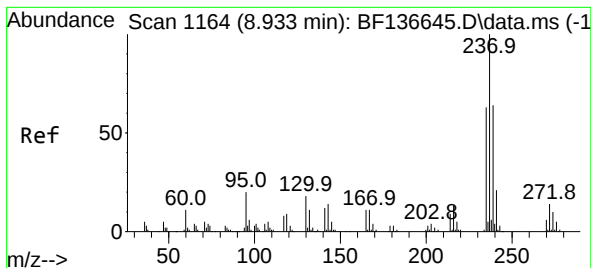
216 100

214 78.6 62.3 93.5

179 19.8 16.4 24.6

108 18.4 14.0 21.0





#41

Hexachlorocyclopentadiene

Concen: 100.811 ng

RT: 8.922 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

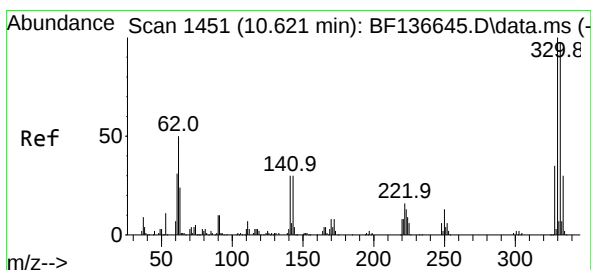
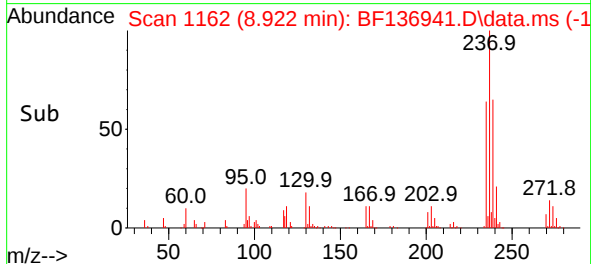
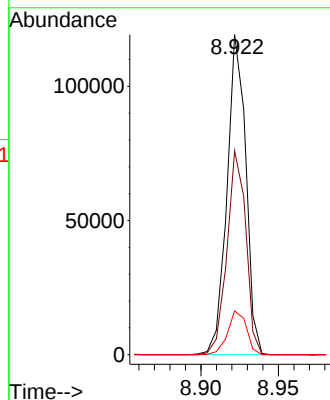
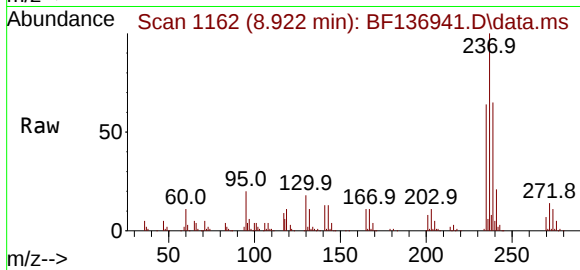
Tgt Ion:237 Resp: 100779

Ion Ratio Lower Upper

237 100

235 63.7 43.2 83.2

272 13.7 0.0 34.2



#42

2,4,6-Tribromophenol

Concen: 97.054 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

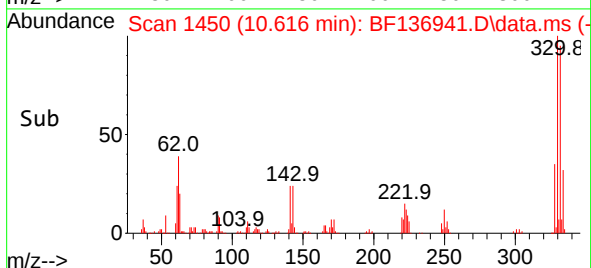
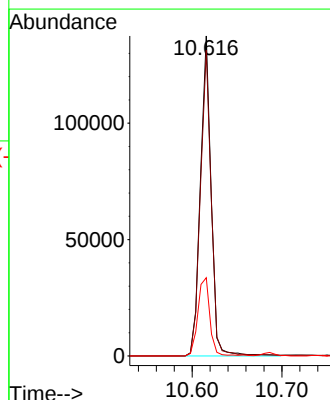
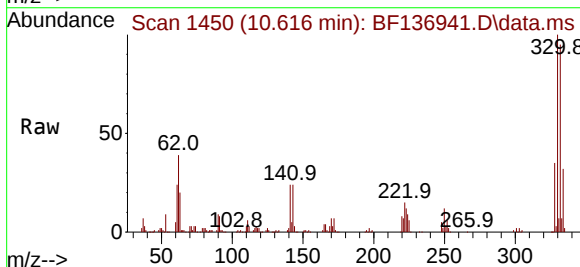
Tgt Ion:330 Resp: 114181

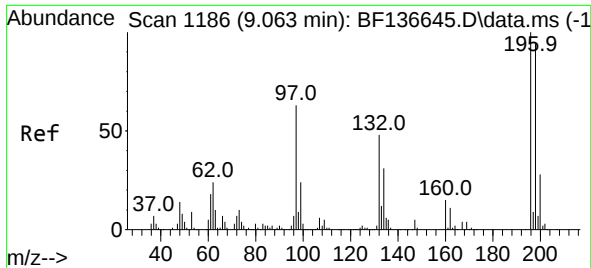
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 27.5 23.4 35.2

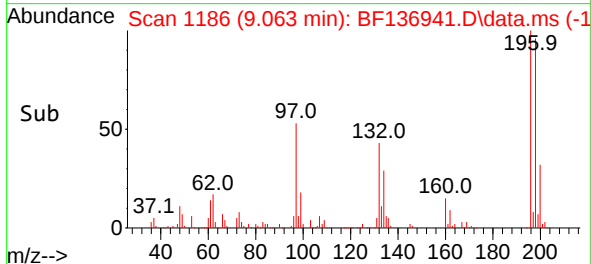
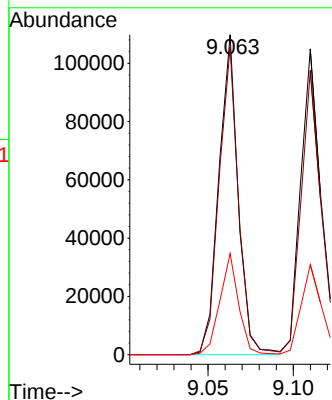
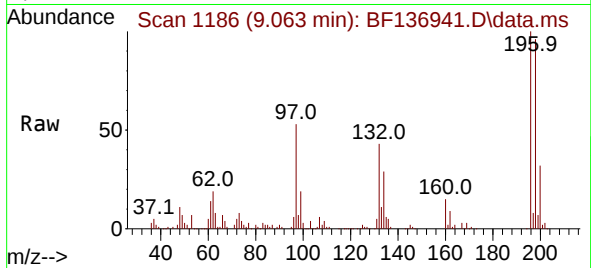




#43
2,4,6-Trichlorophenol
Concen: 43.652 ng
RT: 9.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

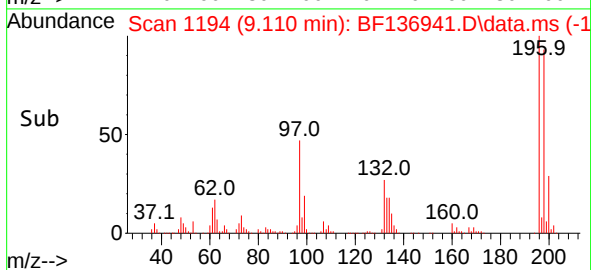
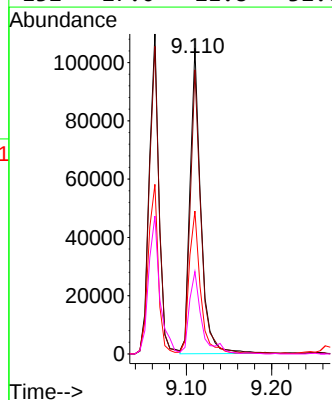
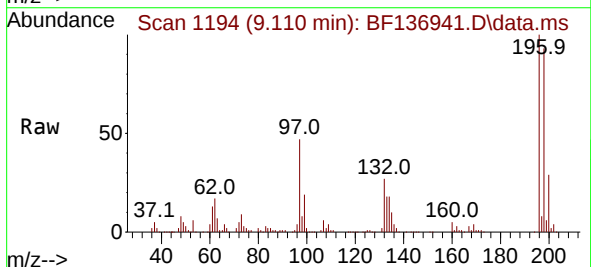
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

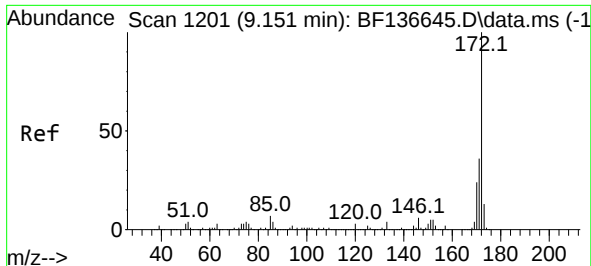
Tgt Ion:196 Resp: 86606
Ion Ratio Lower Upper
196 100
198 96.2 75.1 112.7
200 31.6 22.5 33.7



#44
2,4,5-Trichlorophenol
Concen: 41.685 ng
RT: 9.110 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:196 Resp: 92162
Ion Ratio Lower Upper
196 100
198 92.9 77.0 115.6
97 46.8 36.1 54.1
132 27.0 21.8 32.6

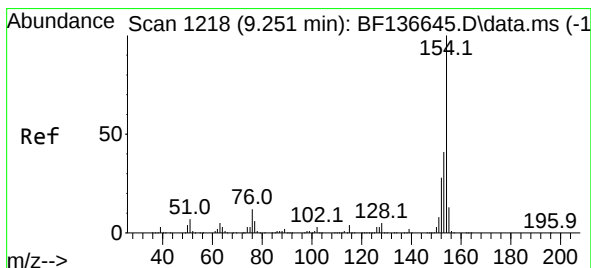
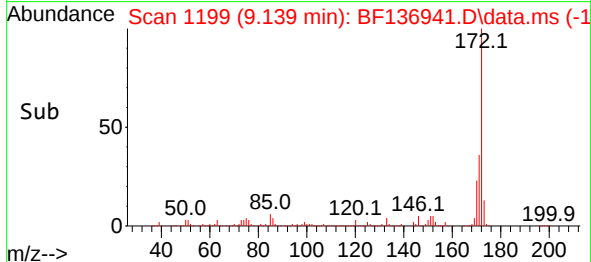
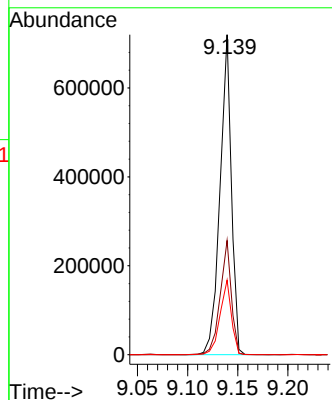
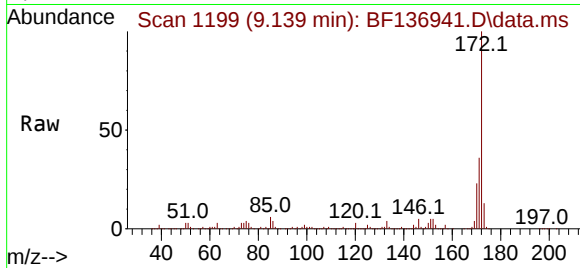




#45
2-Fluorobiphenyl
Concen: 76.485 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

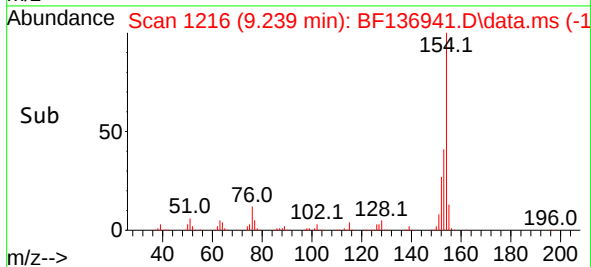
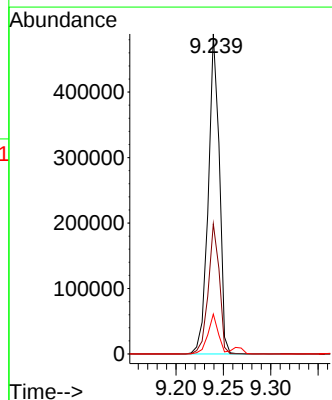
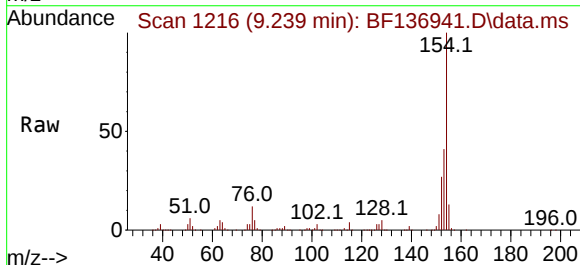
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

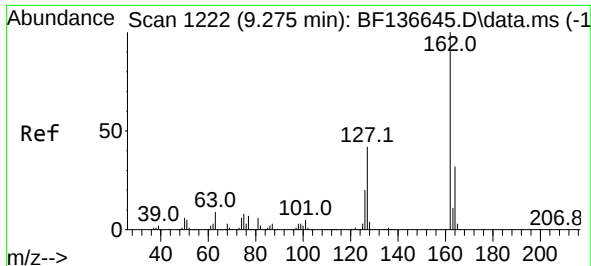
Tgt Ion:172 Resp: 568067
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 23.3 19.0 28.4



#46
1,1'-Biphenyl
Concen: 46.956 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:154 Resp: 393613
Ion Ratio Lower Upper
154 100
153 40.7 21.1 61.1
76 12.5 0.0 31.7





#47

2-Chloronaphthalene

Concen: 45.418 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

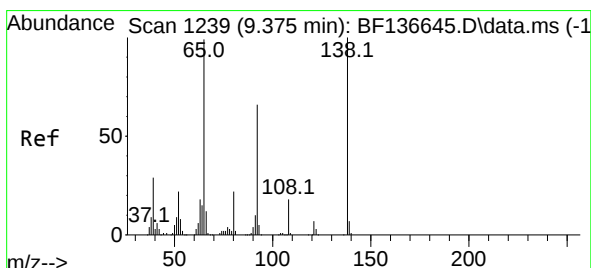
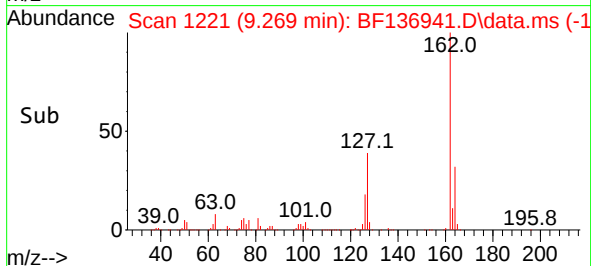
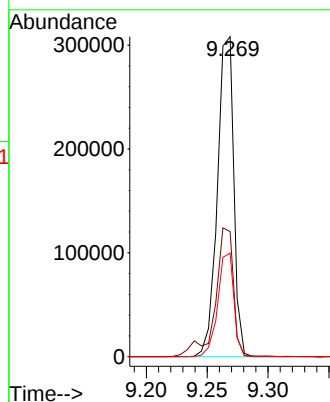
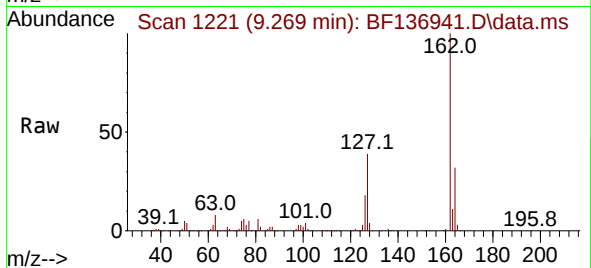
Tgt Ion:162 Resp: 289430

Ion Ratio Lower Upper

162 100

127 39.1 33.6 50.4

164 32.4 25.7 38.5



#48

2-Nitroaniline

Concen: 39.798 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

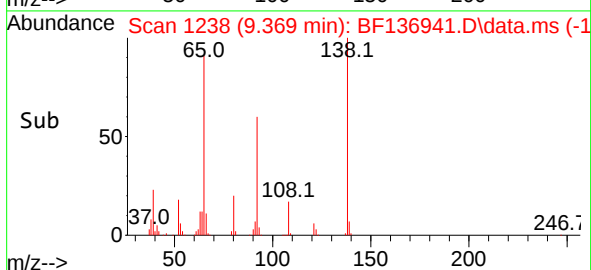
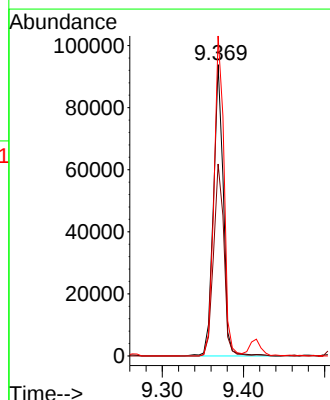
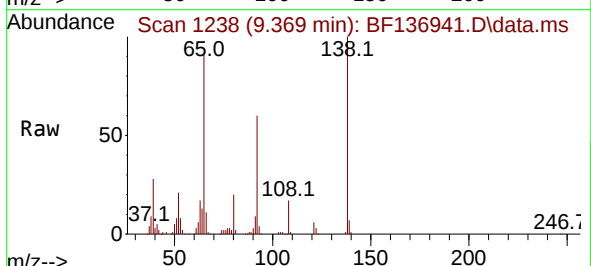
Tgt Ion: 65 Resp: 79420

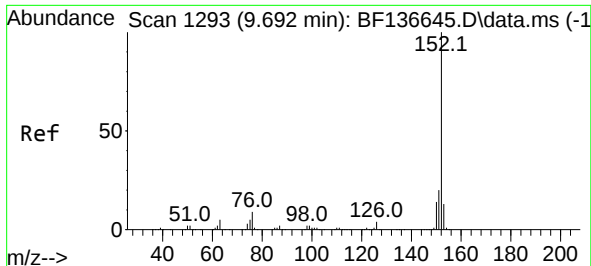
Ion Ratio Lower Upper

65 100

92 65.9 53.2 79.8

138 109.9 81.1 121.7

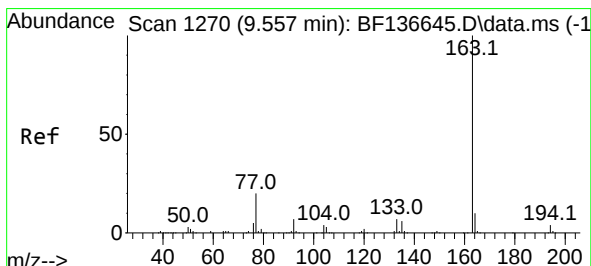
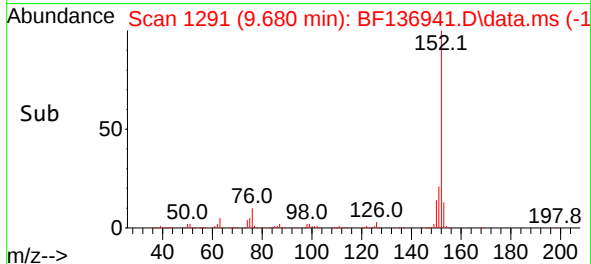
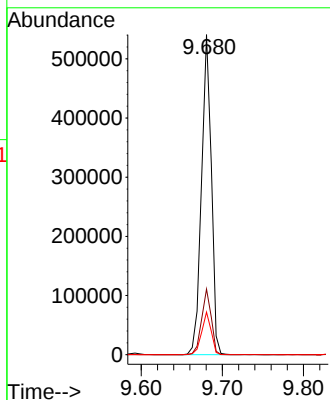
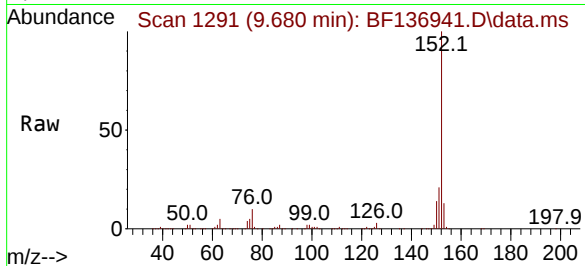




#49
Acenaphthylene
Concen: 46.709 ng
RT: 9.680 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

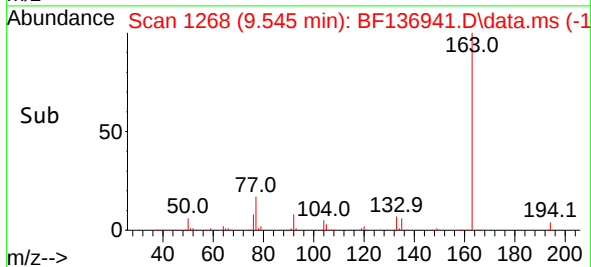
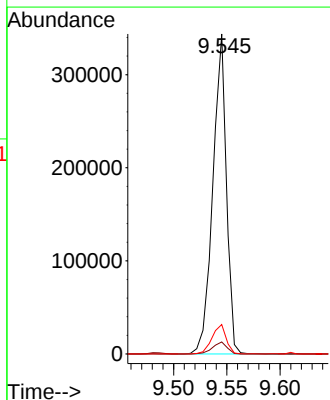
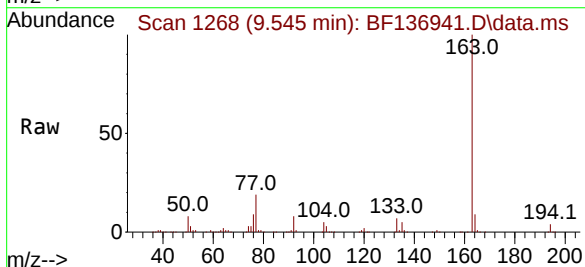
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

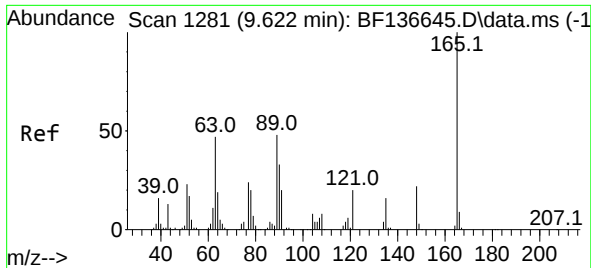
Tgt Ion:152 Resp: 454965
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4
153 13.3 10.2 15.2



#50
Dimethylphthalate
Concen: 41.620 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:163 Resp: 303683
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.2 7.8 11.6

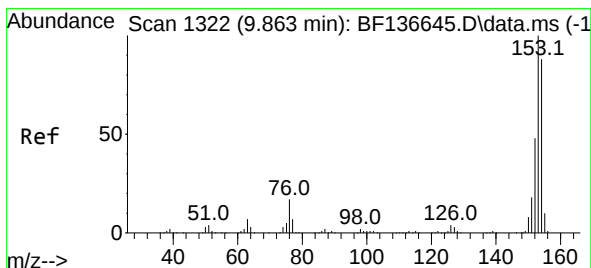
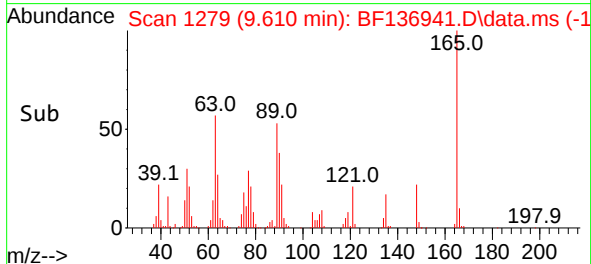
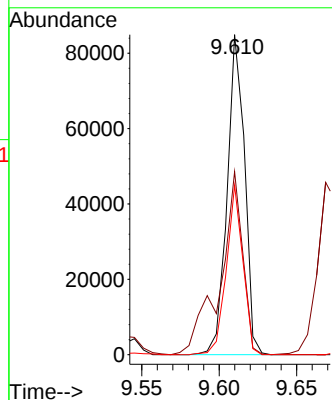
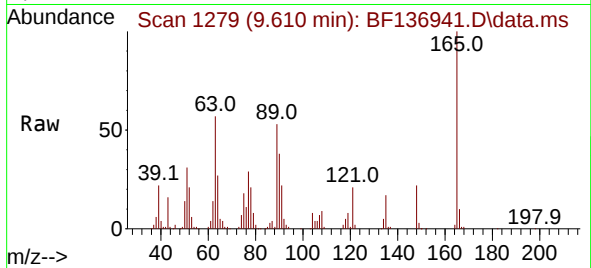




#51
2,6-Dinitrotoluene
Concen: 40.219 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

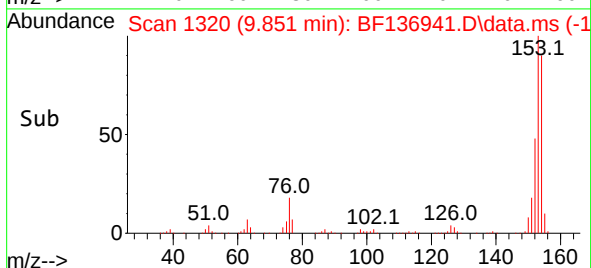
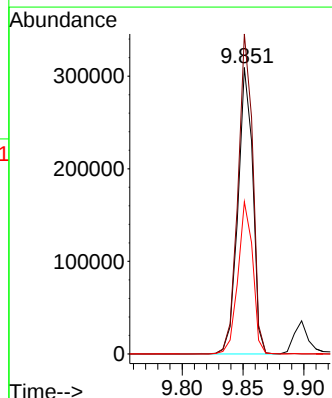
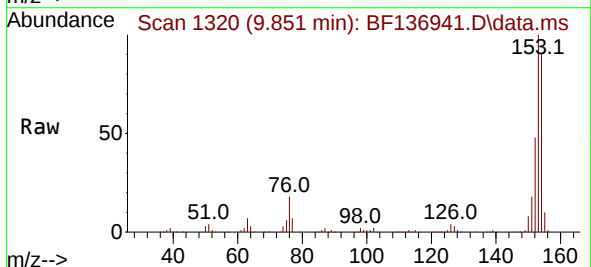
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

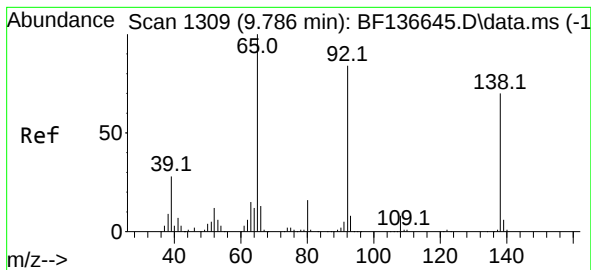
Tgt Ion:165 Resp: 66601
Ion Ratio Lower Upper
165 100
63 57.2 39.8 59.6
89 53.0 38.8 58.2



#52
Acenaphthene
Concen: 43.609 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:154 Resp: 263305
Ion Ratio Lower Upper
154 100
153 111.7 90.7 136.1
152 53.1 43.7 65.5





#53

3-Nitroaniline

Concen: 18.254 ng

RT: 9.780 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

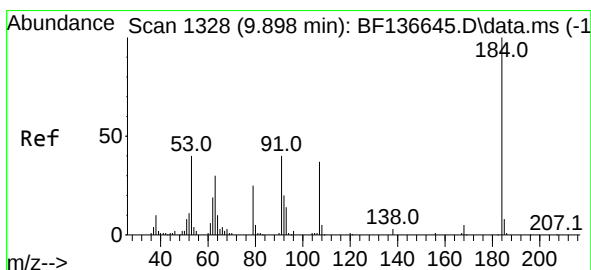
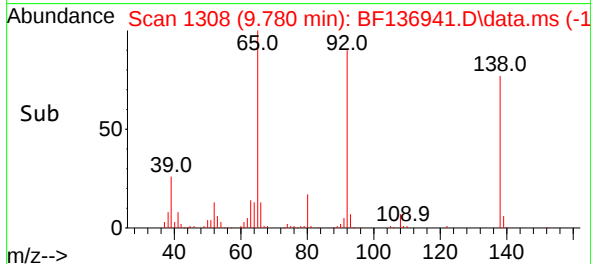
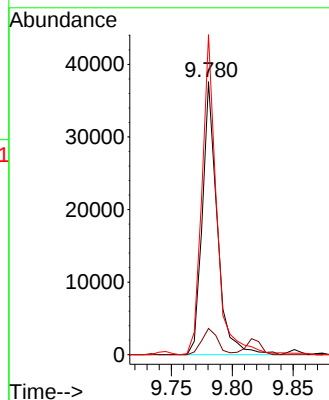
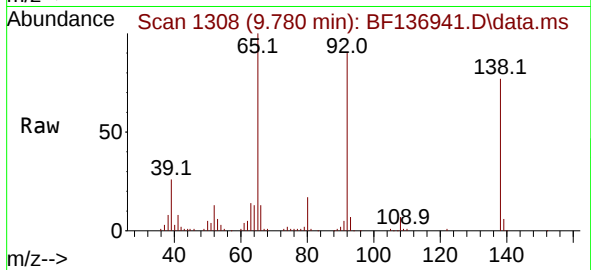
Tgt Ion:138 Resp: 32021

Ion Ratio Lower Upper

138 100

108 9.6 8.6 12.8

92 117.2 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 61.935 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

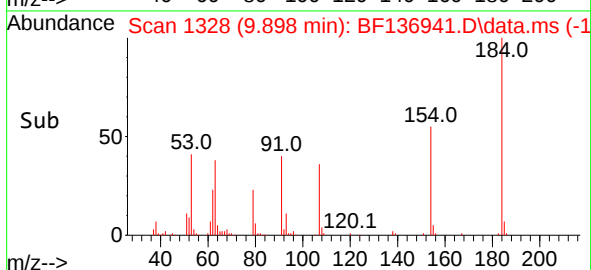
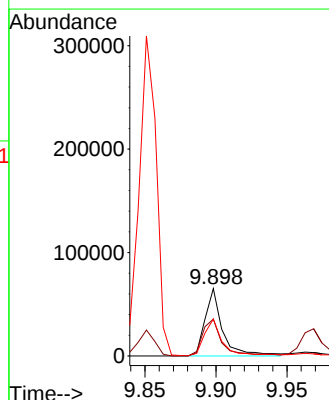
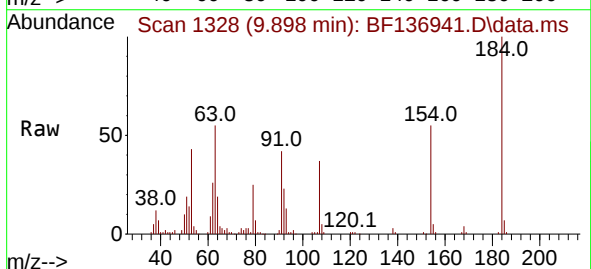
Tgt Ion:184 Resp: 56030

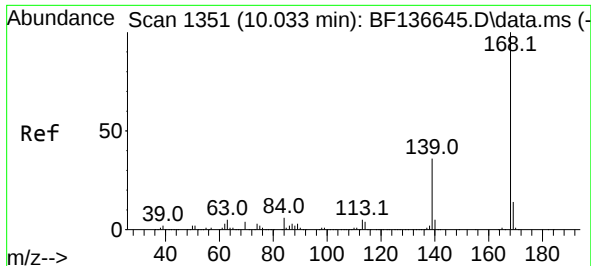
Ion Ratio Lower Upper

184 100

63 54.7 40.9 61.3

154 54.9 42.7 64.1

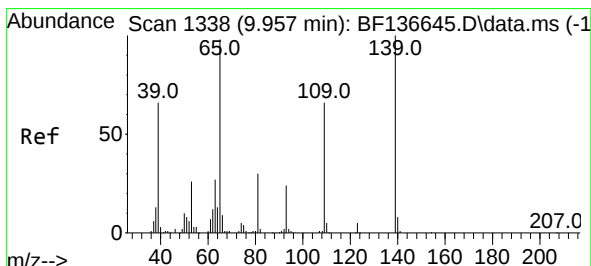
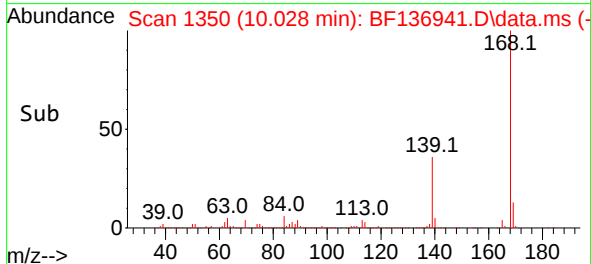
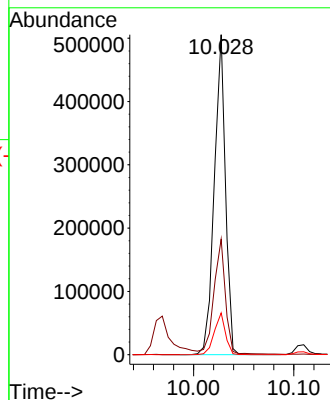
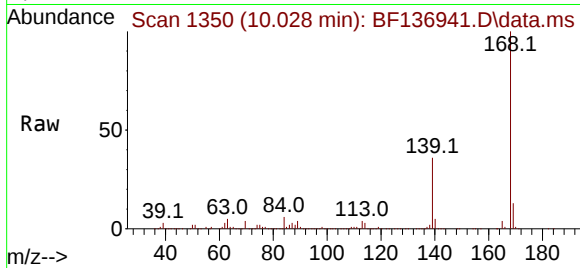




#55
Dibenzenofuran
Concen: 42.848 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

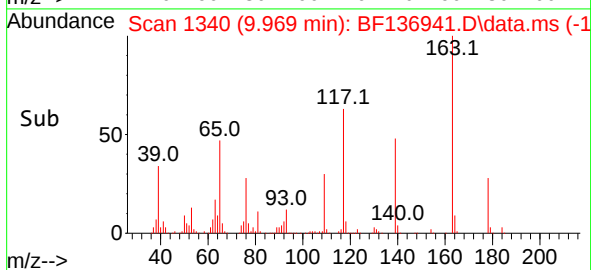
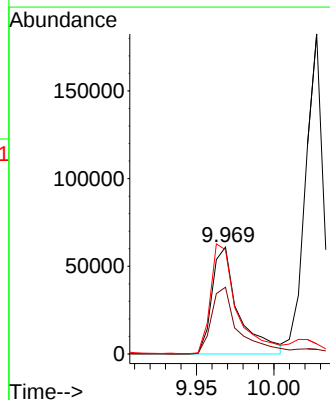
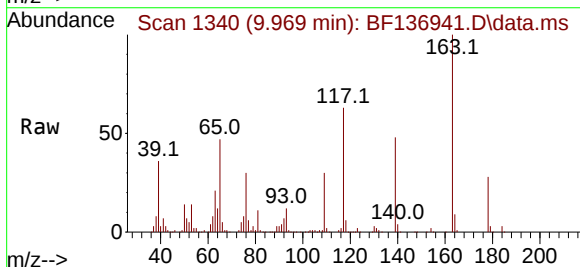
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

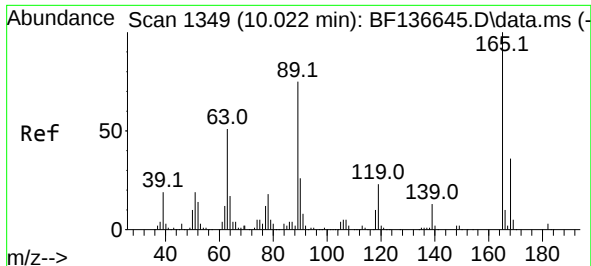
Tgt Ion:168 Resp: 392175
Ion Ratio Lower Upper
168 100
139 36.1 29.3 43.9
169 13.0 11.0 16.4



#56
4-Nitrophenol
Concen: 61.609 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:139 Resp: 72955
Ion Ratio Lower Upper
139 100
109 62.4 45.8 85.8
65 97.5 77.8 117.8

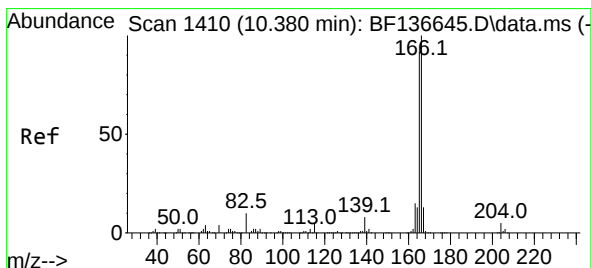
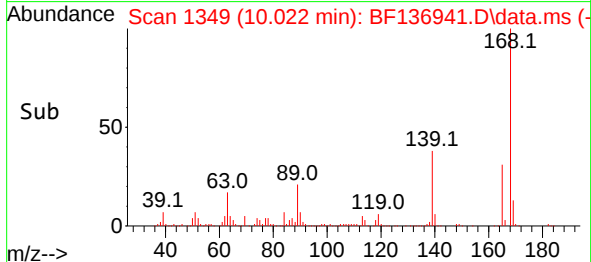
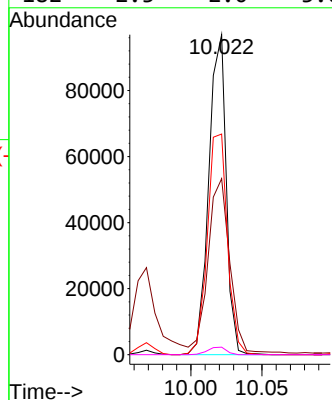
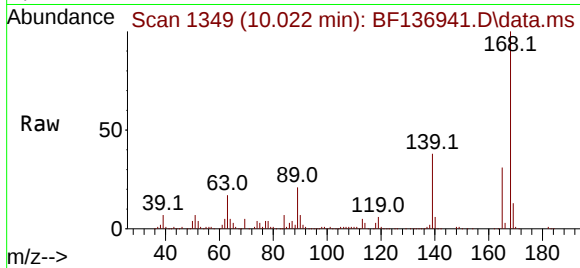




#57
2,4-Dinitrotoluene
Concen: 38.553 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

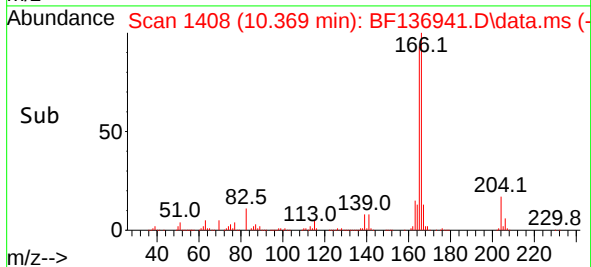
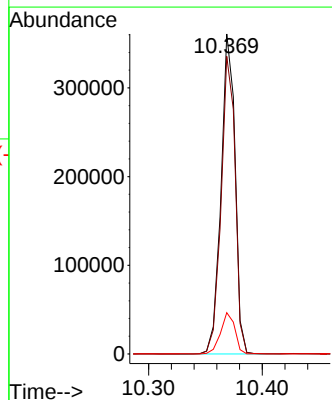
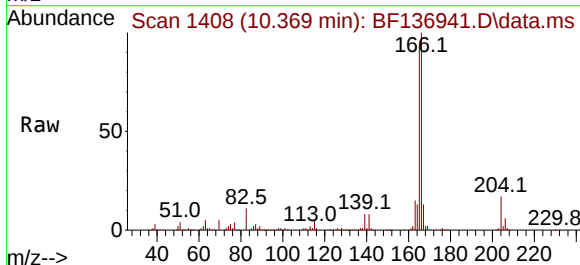
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

Tgt Ion:165 Resp: 82878
Ion Ratio Lower Upper
165 100
63 55.0 41.0 61.6
89 69.0 59.9 89.9
182 2.3 2.0 3.0



#58
Fluorene
Concen: 42.812 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:166 Resp: 310910
Ion Ratio Lower Upper
166 100
165 93.0 73.7 110.5
167 12.9 10.4 15.6

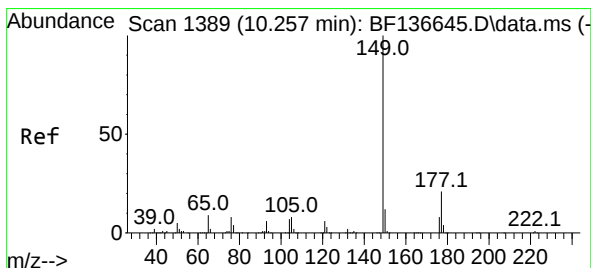
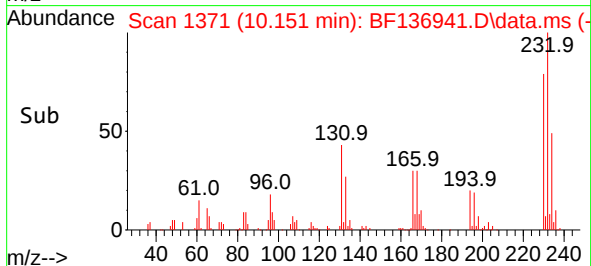
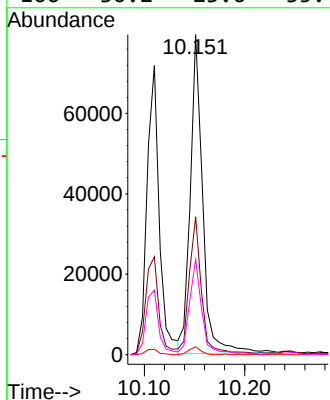
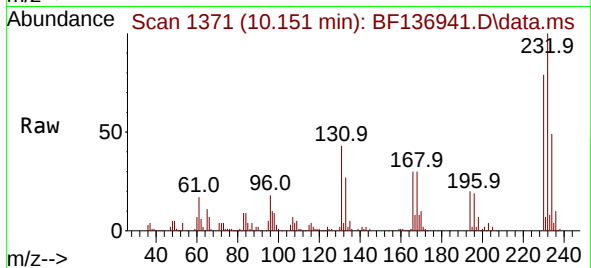




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.114 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

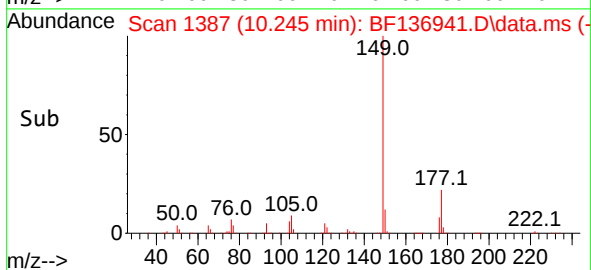
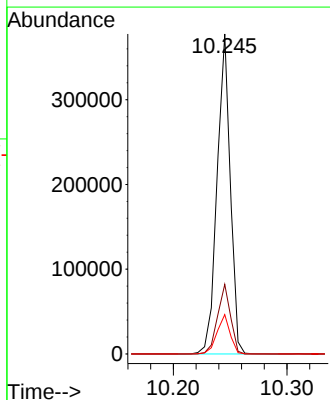
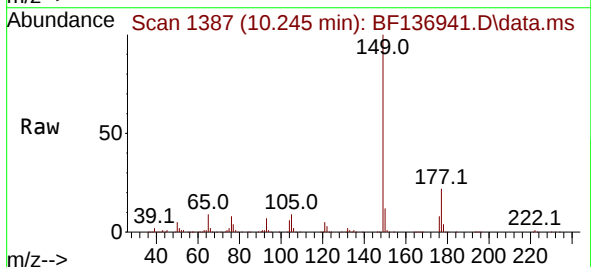
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

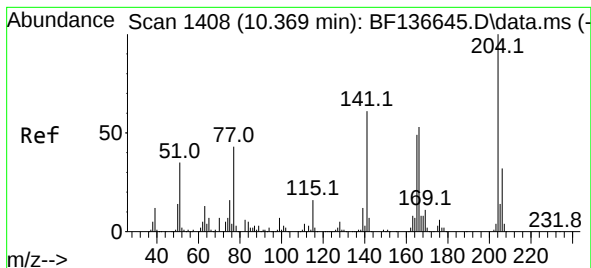
Tgt Ion:232 Resp: 68271
Ion Ratio Lower Upper
232 100
131 42.8 35.1 52.7
130 2.3 1.6 2.4
166 30.2 23.6 35.4



#60
Diethylphthalate
Concen: 40.293 ng
RT: 10.245 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:149 Resp: 305038
Ion Ratio Lower Upper
149 100
177 21.8 16.9 25.3
150 12.3 9.3 13.9

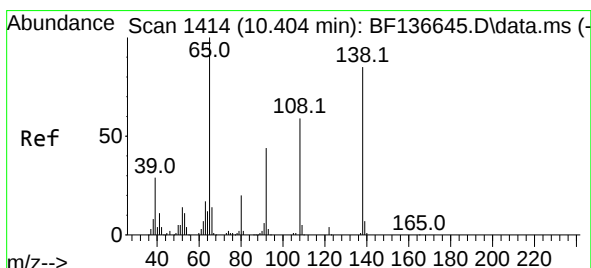
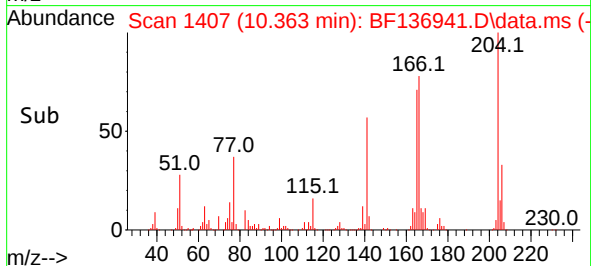
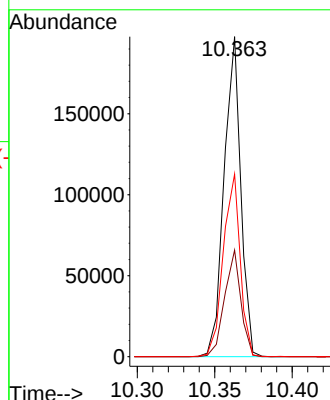
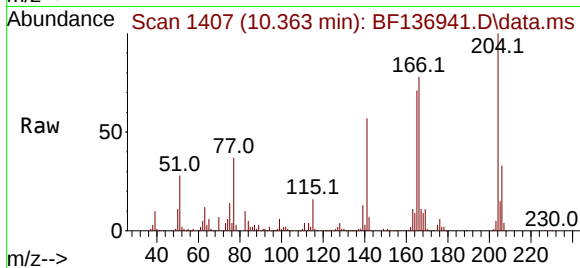




#61
4-Chlorophenyl-phenylether
Concen: 41.885 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

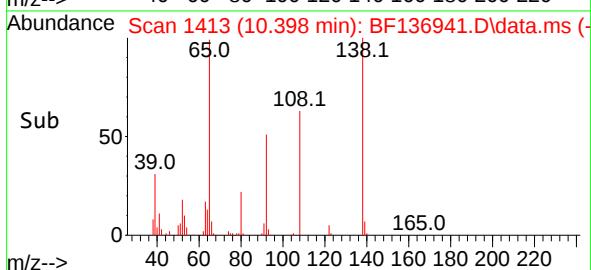
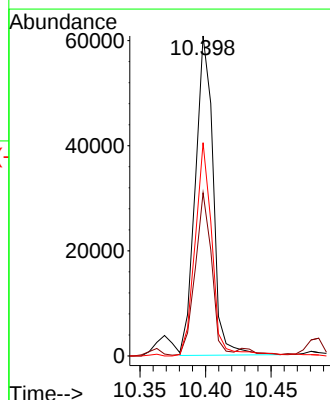
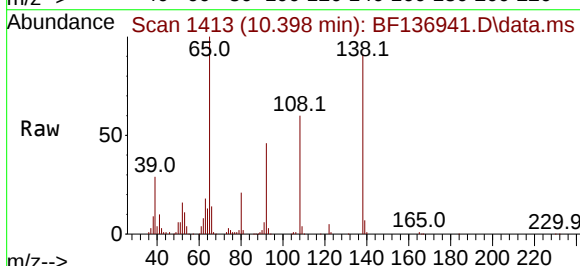
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

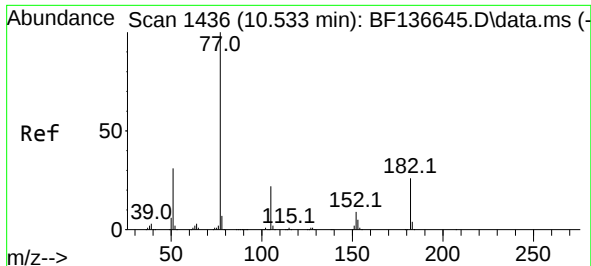
Tgt Ion:204 Resp: 147852
Ion Ratio Lower Upper
204 100
206 33.3 25.6 38.4
141 57.1 48.4 72.6



#62
4-Nitroaniline
Concen: 33.985 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:138 Resp: 57470
Ion Ratio Lower Upper
138 100
92 51.0 32.1 72.1
108 66.7 50.1 90.1

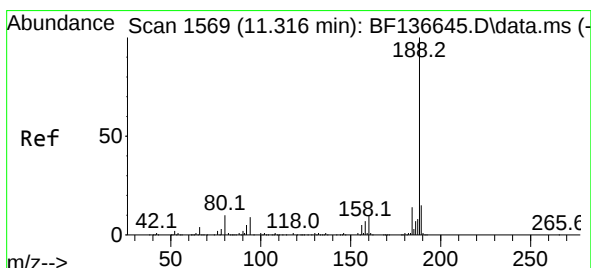
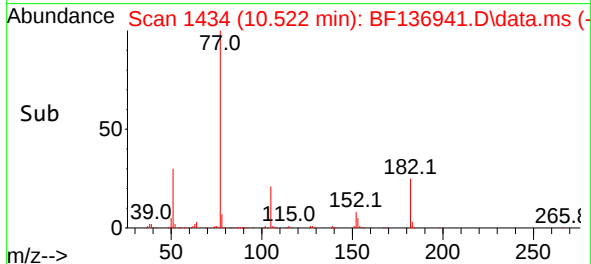
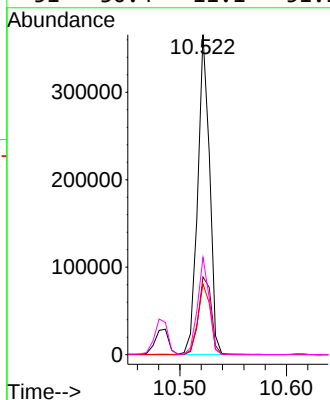
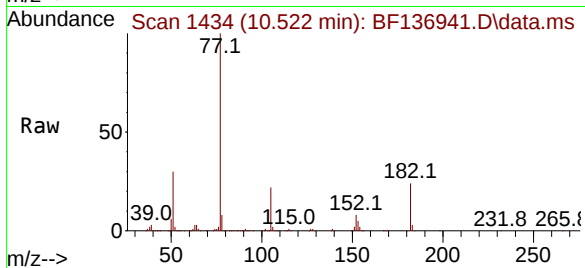




#63
Azobenzene
Concen: 39.983 ng
RT: 10.522 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

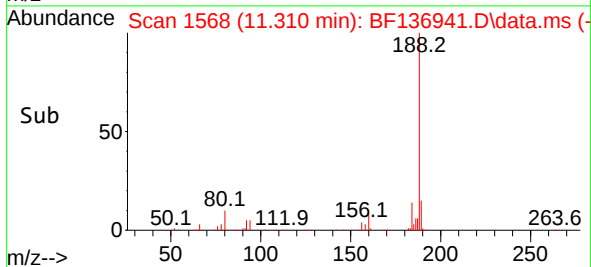
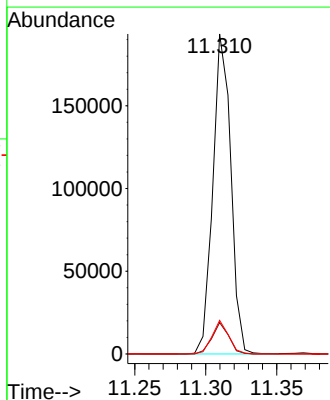
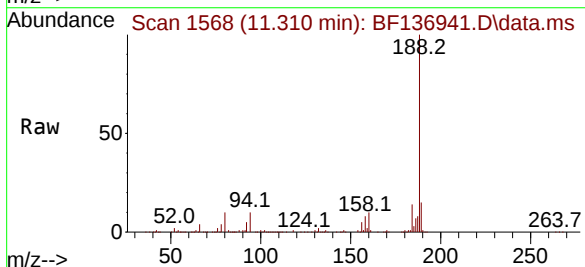
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

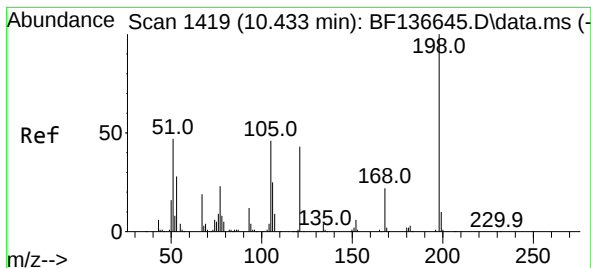
Tgt Ion: 77	Resp: 282720
Ion Ratio	Lower Upper
77 100	
182 24.3	6.0 46.0
105 22.1	2.3 42.3
51 30.4	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:188	Resp: 170037
Ion Ratio	Lower Upper
188 100	
94 9.8	7.5 11.3
80 10.5	8.1 12.1

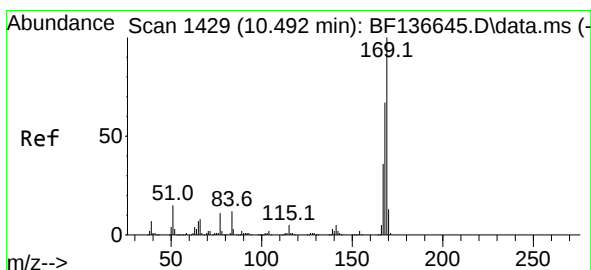
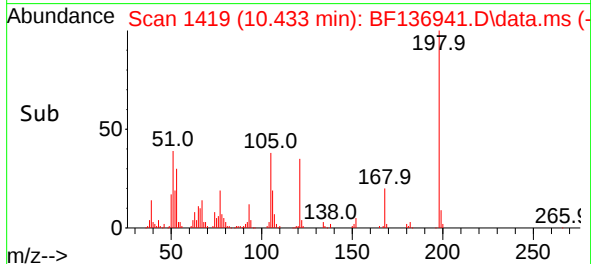
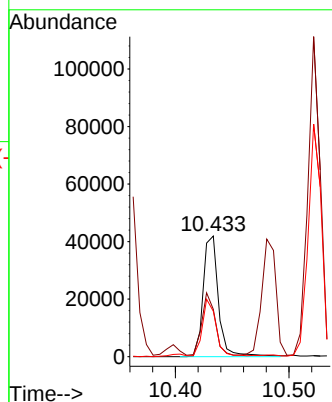
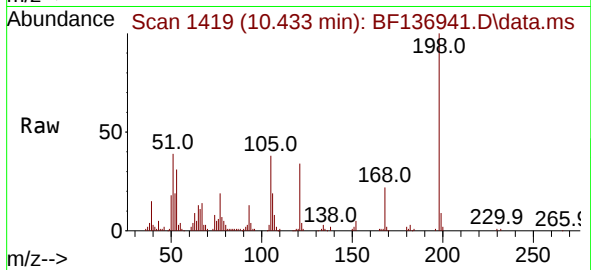




#65
4,6-Dinitro-2-methylphenol
Concen: 40.330 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

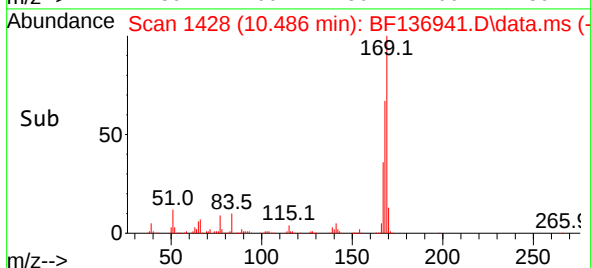
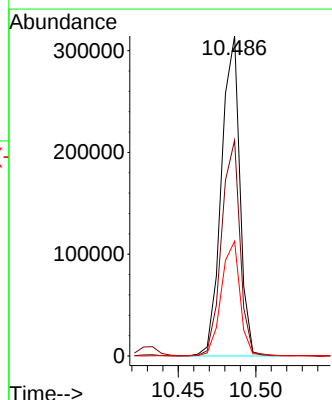
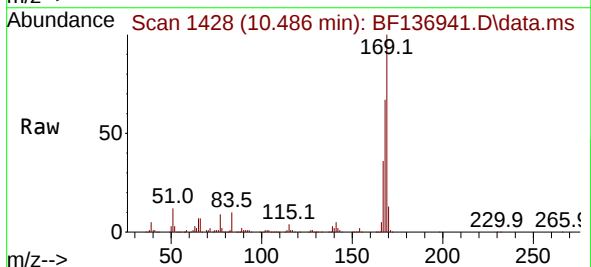
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

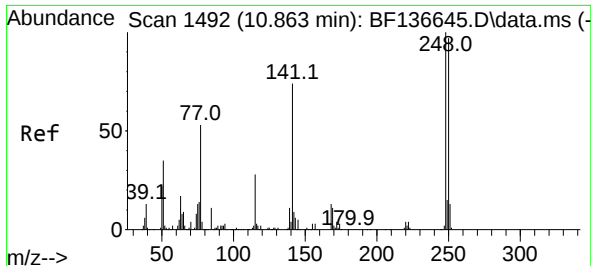
Tgt Ion:198 Resp: 39301
Ion Ratio Lower Upper
198 100
51 39.3 34.1 74.1
105 37.6 27.3 67.3



#66
n-Nitrosodiphenylamine
Concen: 46.987 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:169 Resp: 259536
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.6
167 35.8 28.7 43.1

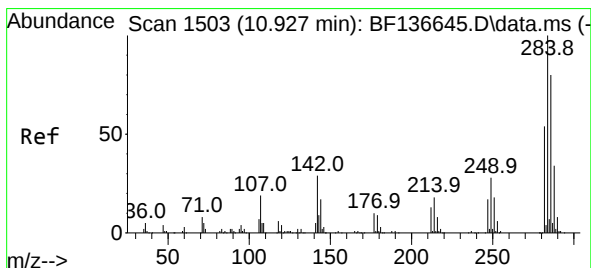
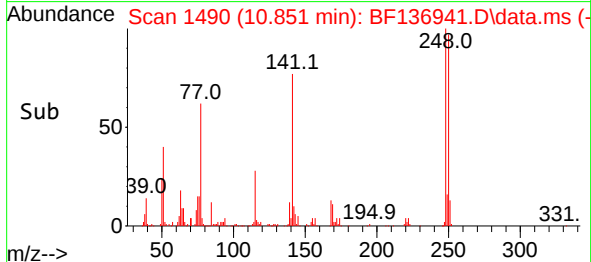
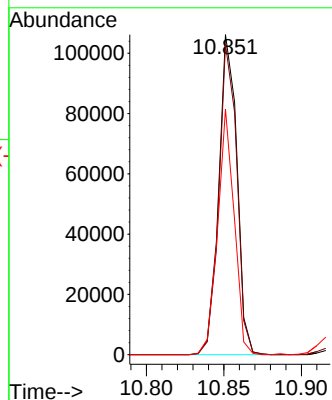
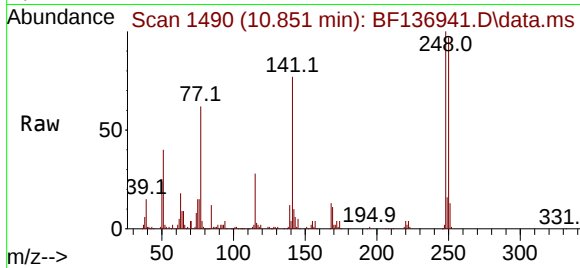




#67
4-Bromophenyl-phenylether
Concen: 45.922 ng
RT: 10.851 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

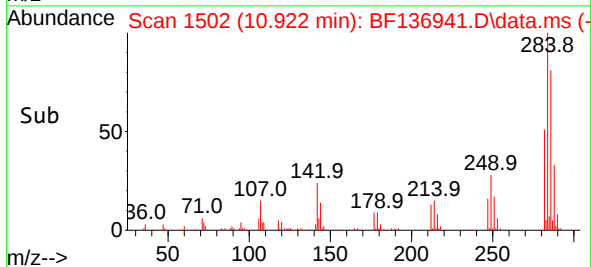
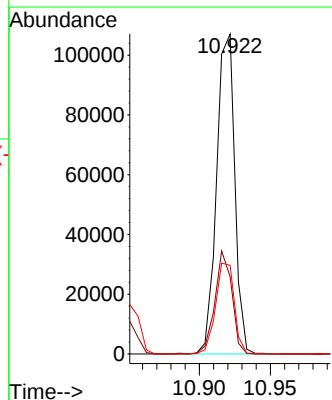
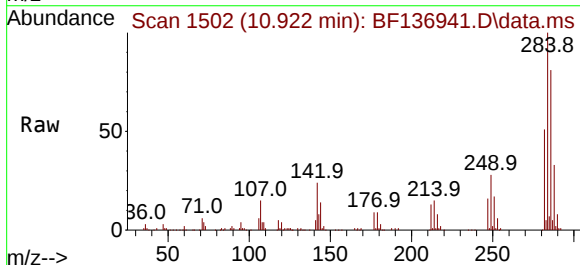
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

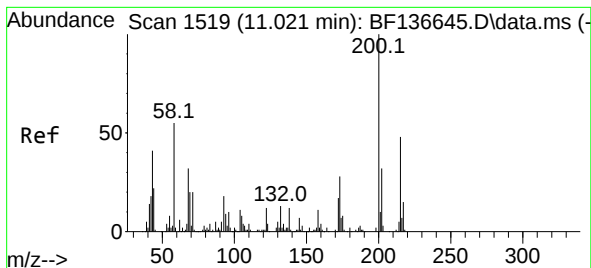
Tgt Ion:248 Resp: 86718
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.6
141 76.8 59.2 88.8



#68
Hexachlorobenzene
Concen: 45.223 ng
RT: 10.922 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:284 Resp: 95169
Ion Ratio Lower Upper
284 100
142 24.1 23.4 35.0
249 27.7 22.3 33.5





#69

Atrazine

Concen: 54.850 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

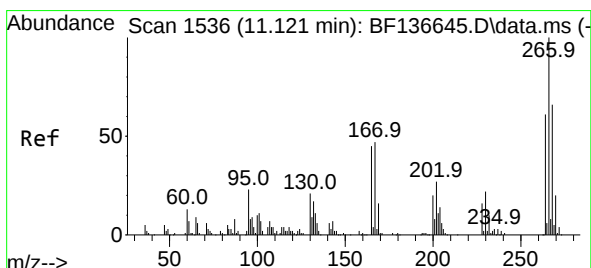
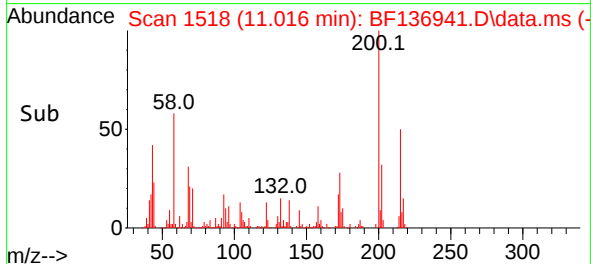
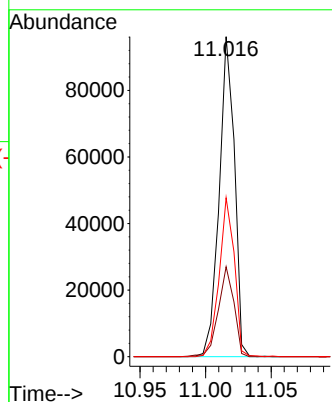
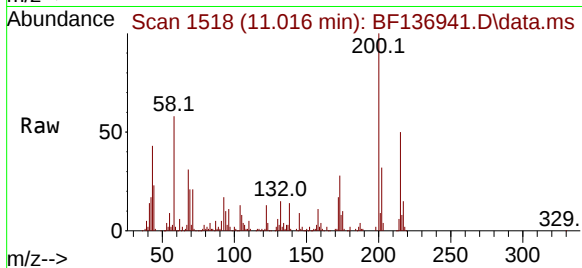
Tgt Ion:200 Resp: 77490

Ion Ratio Lower Upper

200 100

173 28.1 7.6 47.6

215 49.6 28.3 68.3



#70

Pentachlorophenol

Concen: 67.931 ng

RT: 11.122 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

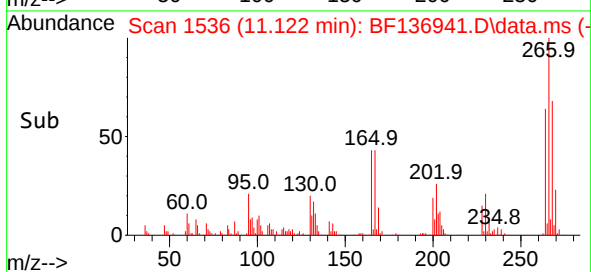
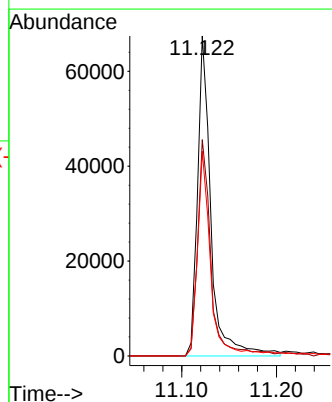
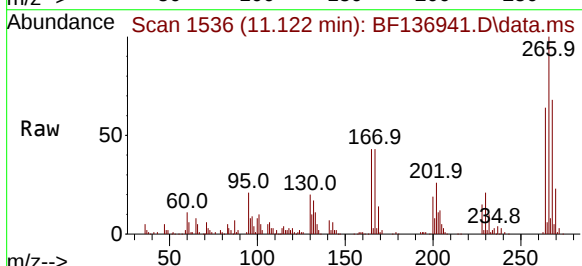
Tgt Ion:266 Resp: 66634

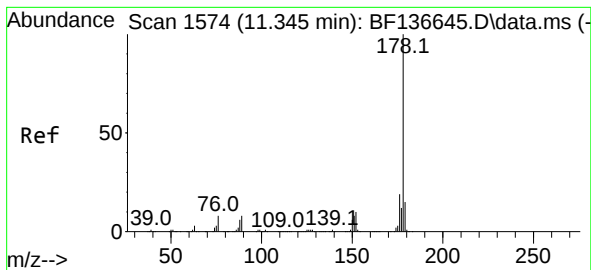
Ion Ratio Lower Upper

266 100

268 67.6 52.6 78.8

264 64.0 49.0 73.4





#71

Phenanthrene

Concen: 46.066 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

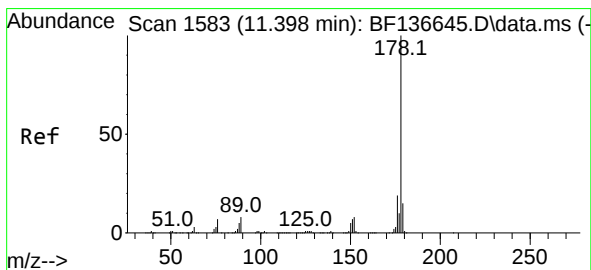
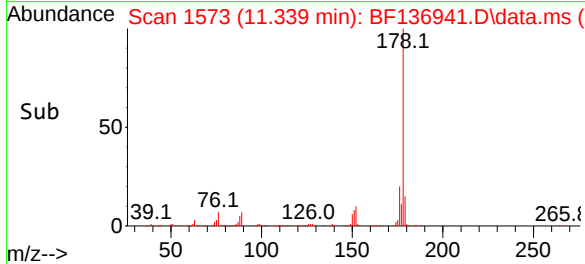
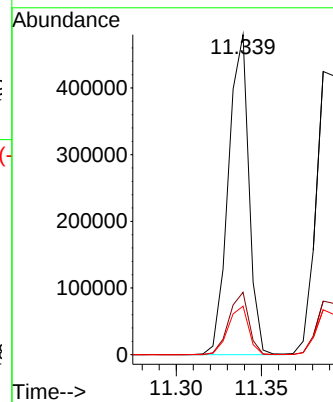
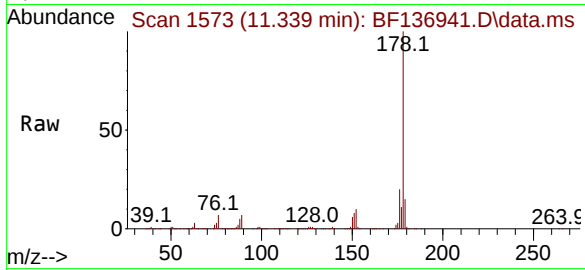
Tgt Ion:178 Resp: 401910

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.2 11.9 17.9



#72

Anthracene

Concen: 44.603 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

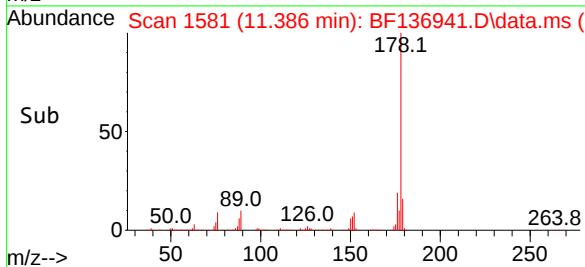
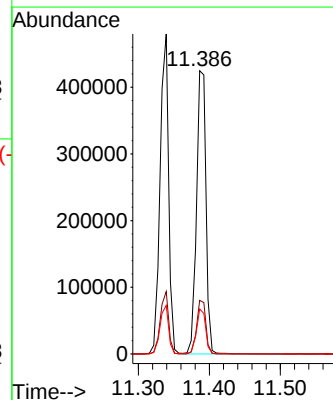
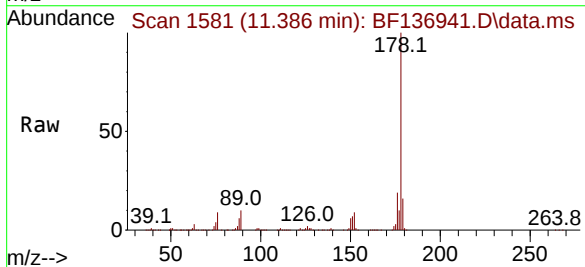
Tgt Ion:178 Resp: 394106

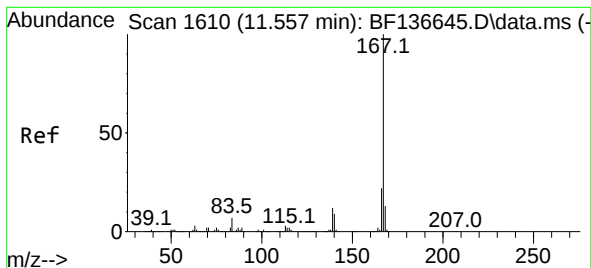
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.9 11.8 17.6





#73

Carbazole

Concen: 44.147 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

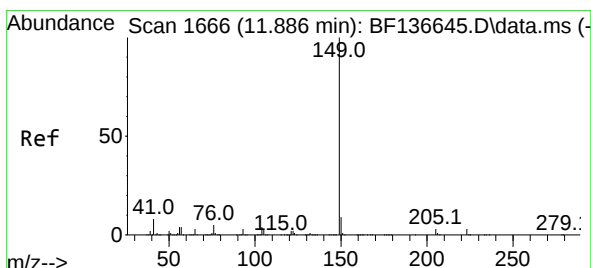
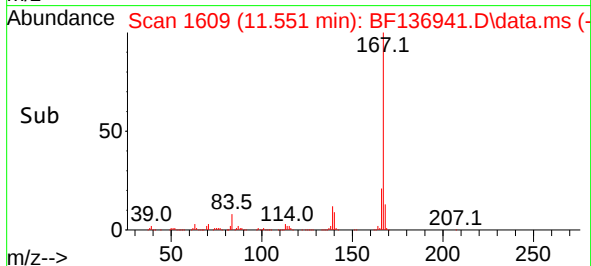
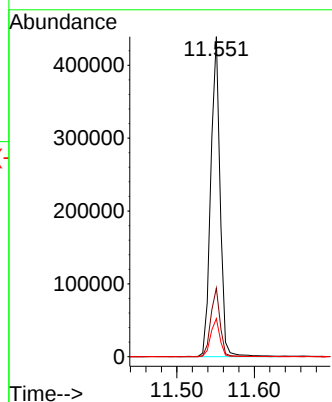
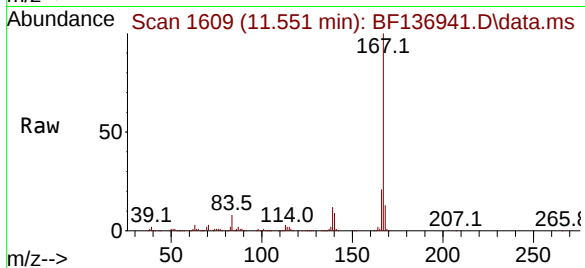
Tgt Ion:167 Resp: 367767

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 11.9 9.8 14.6



#74

Di-n-butylphthalate

Concen: 47.971 ng

RT: 11.880 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

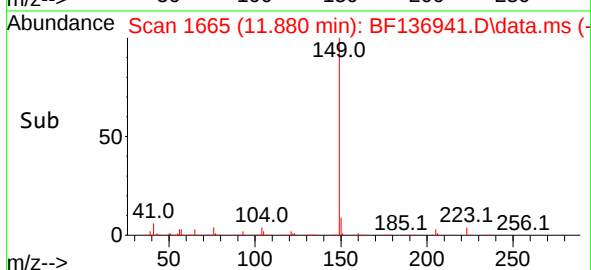
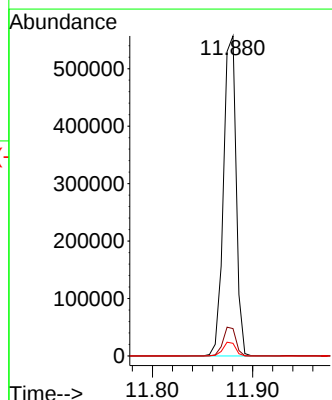
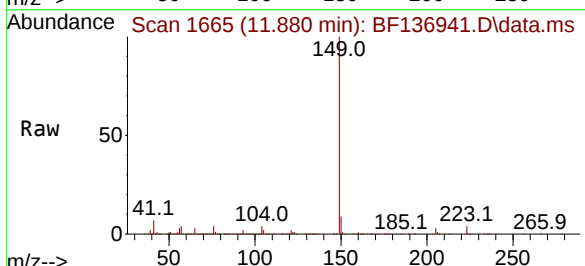
Tgt Ion:149 Resp: 487644

Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.2

104 4.0 3.6 5.4

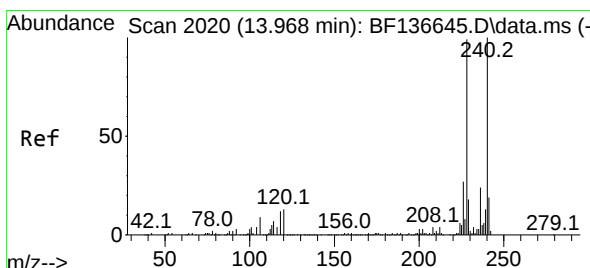
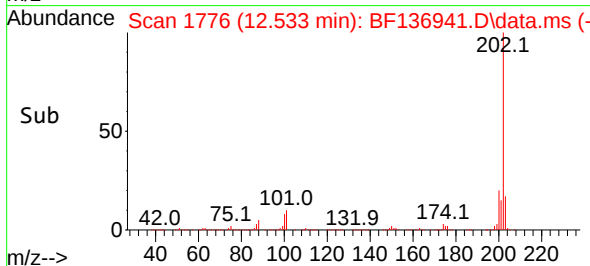
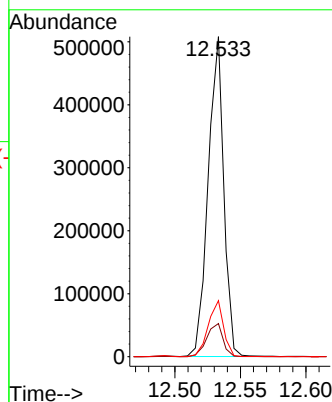
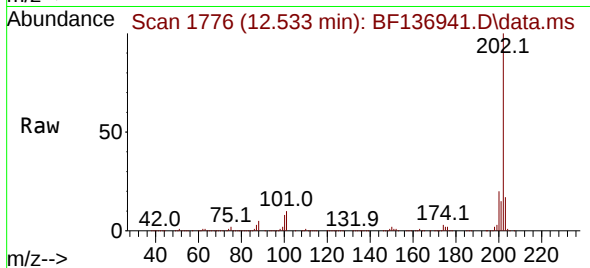




#75
Fluoranthene
Concen: 45.312 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

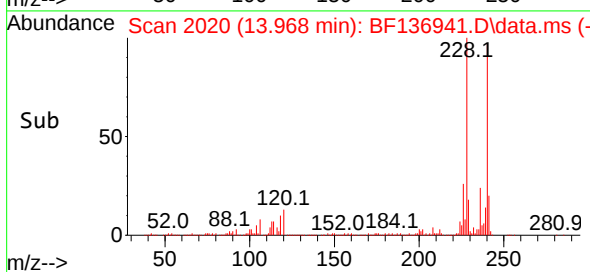
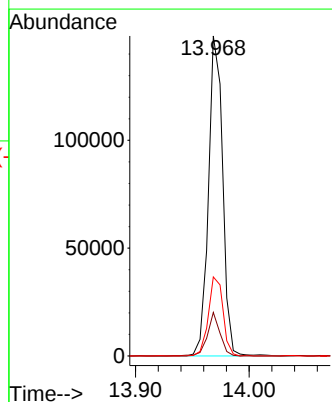
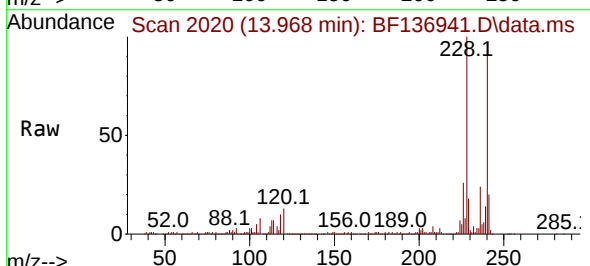
Instrument :
BNA_F
ClientSampleId :
GHL-SS-36aMSD

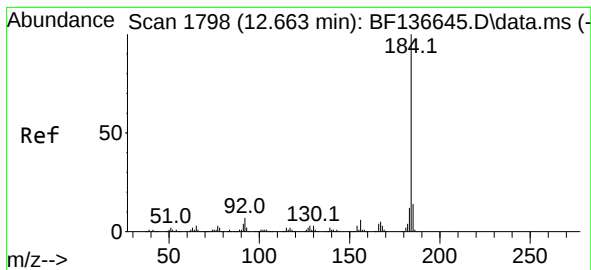
Tgt Ion:202 Resp: 422871
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.3
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136941.D
Acq: 04 Jan 2024 15:14

Tgt Ion:240 Resp: 128551
Ion Ratio Lower Upper
240 100
120 13.6 10.3 15.5
236 24.7 19.4 29.2





#77

Benzidine

Concen: 21.319 ng

RT: 12.663 min Scan# 1798

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

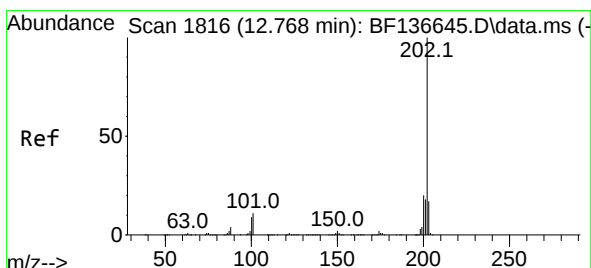
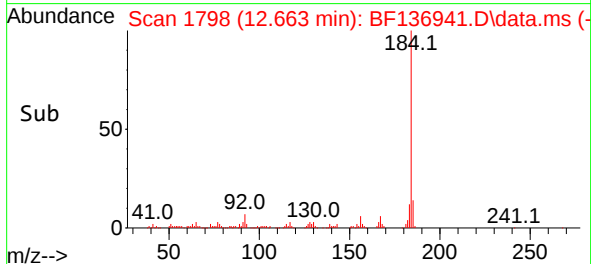
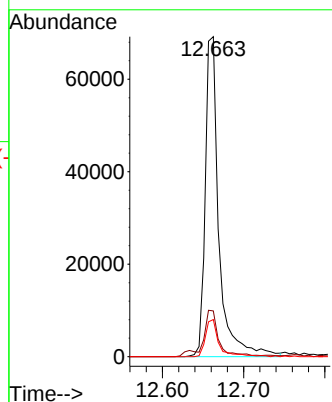
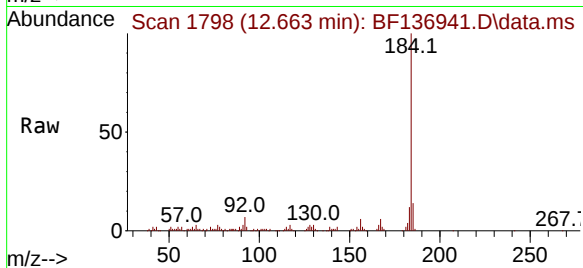
Tgt Ion:184 Resp: 80809

Ion Ratio Lower Upper

184 100

185 14.3 11.2 16.8

183 11.6 9.3 13.9



#78

Pyrene

Concen: 34.335 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

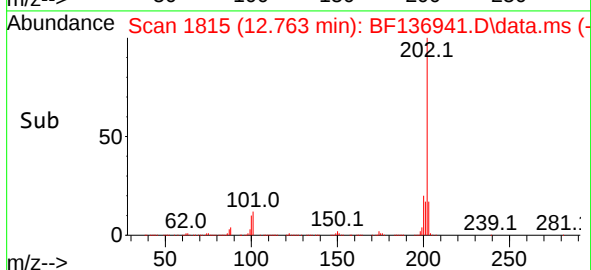
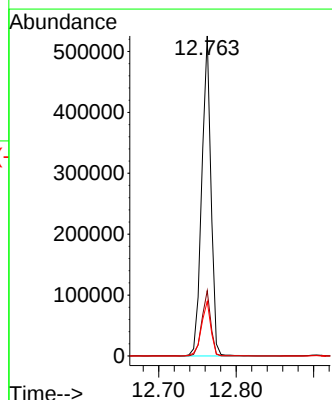
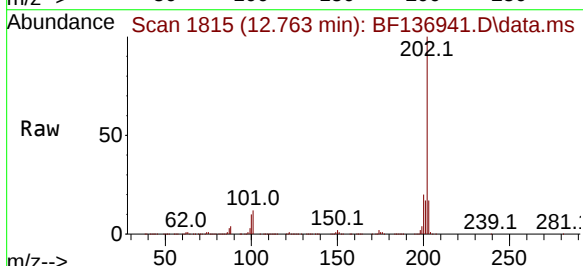
Tgt Ion:202 Resp: 433284

Ion Ratio Lower Upper

202 100

200 20.4 15.9 23.9

203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 56.482 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

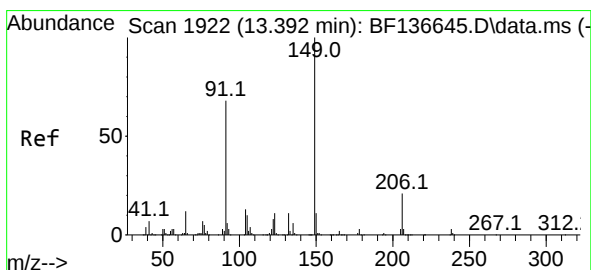
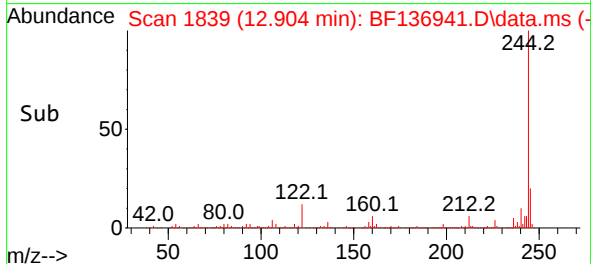
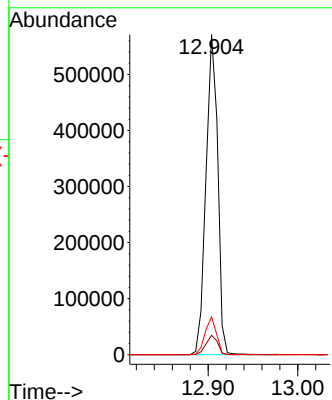
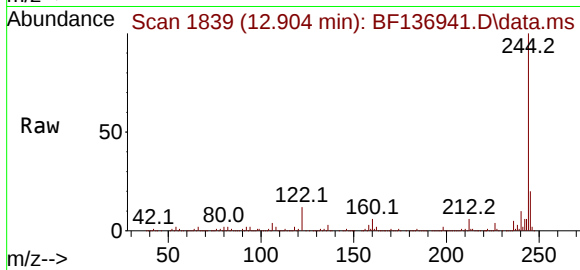
Tgt Ion:244 Resp: 519568

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 11.7 9.0 13.4



#80

Butylbenzylphthalate

Concen: 45.504 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

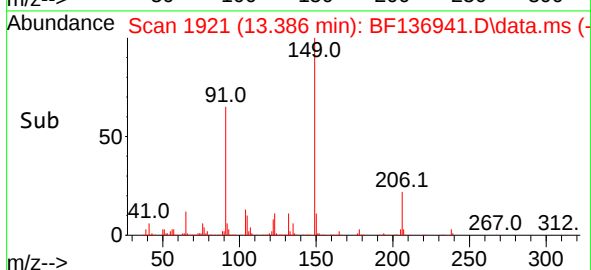
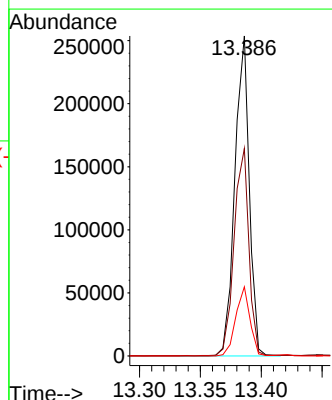
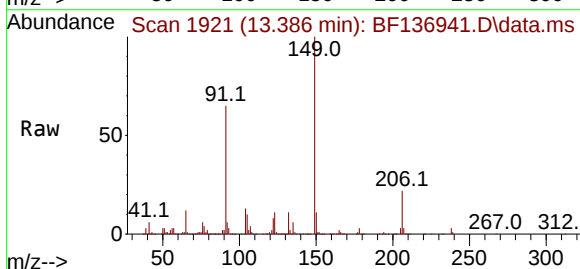
Tgt Ion:149 Resp: 208947

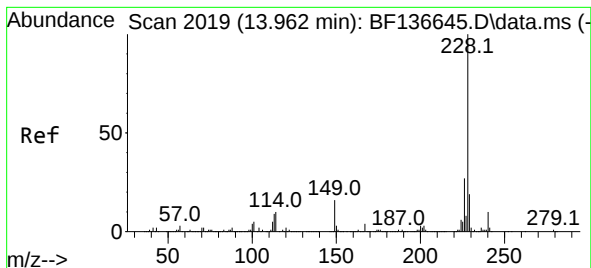
Ion Ratio Lower Upper

149 100

91 64.8 54.1 81.1

206 21.6 17.1 25.7





#81

Benzo(a)anthracene

Concen: 45.871 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

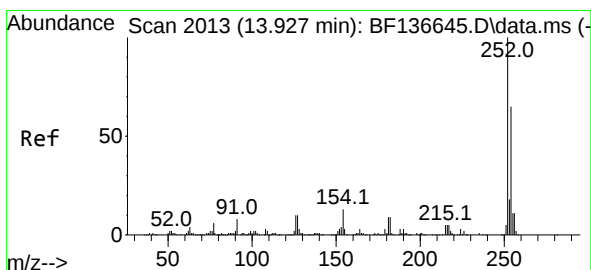
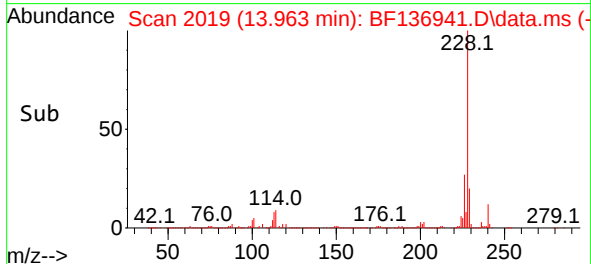
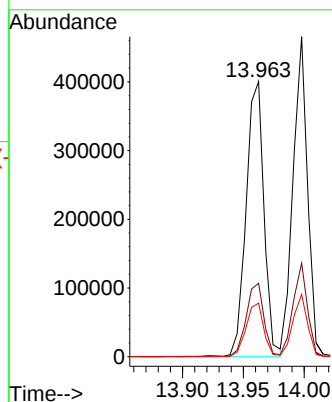
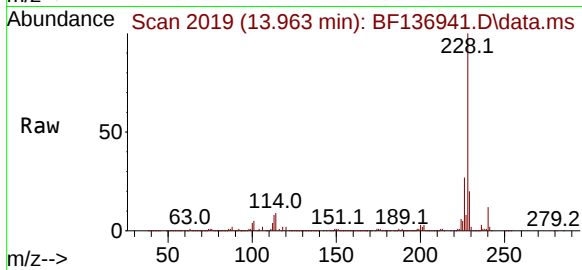
Tgt Ion:228 Resp: 409467

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

229 19.5 14.9 22.3



#82

3,3'-Dichlorobenzidine

Concen: 32.271 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

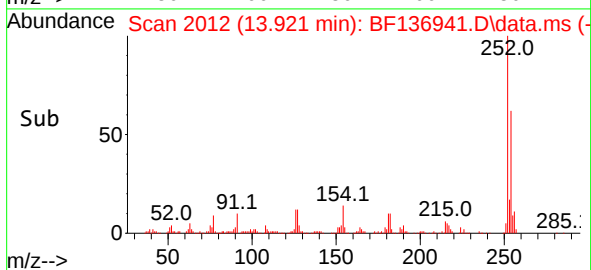
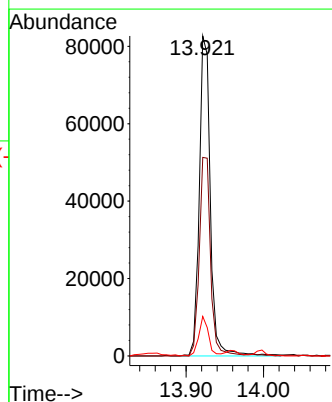
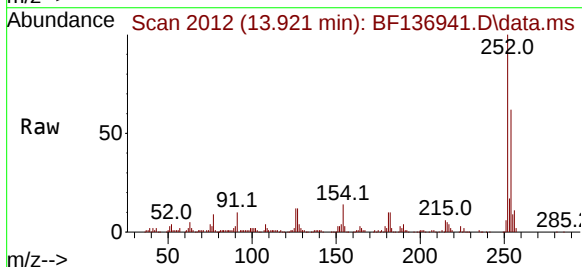
Tgt Ion:252 Resp: 81809

Ion Ratio Lower Upper

252 100

254 62.1 52.2 78.4

126 12.4 8.0 12.0#





#83

Chrysene

Concen: 44.476 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

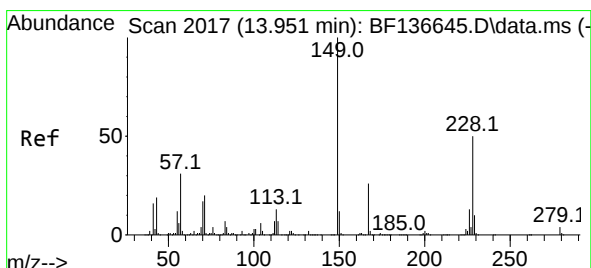
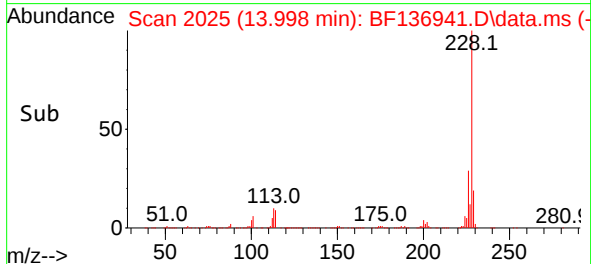
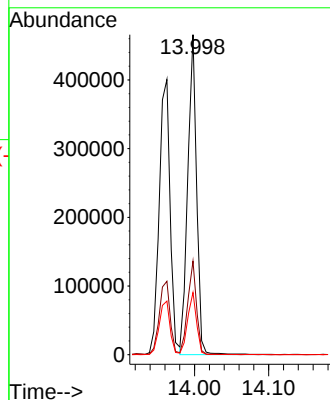
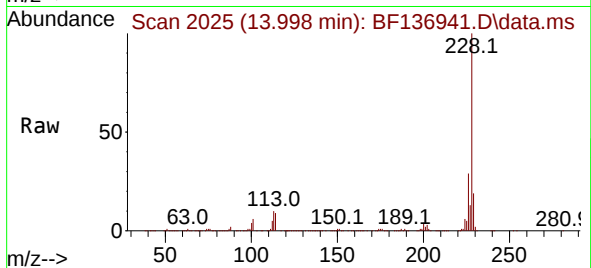
Tgt Ion:228 Resp: 388235

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

229 19.5 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.650 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

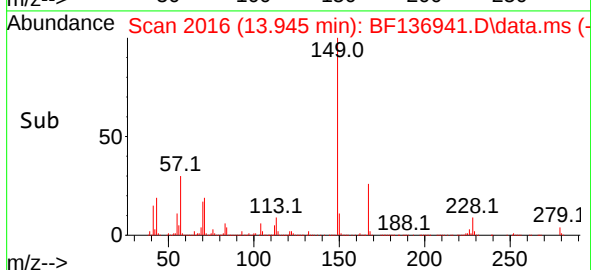
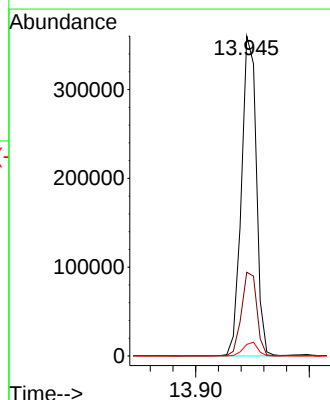
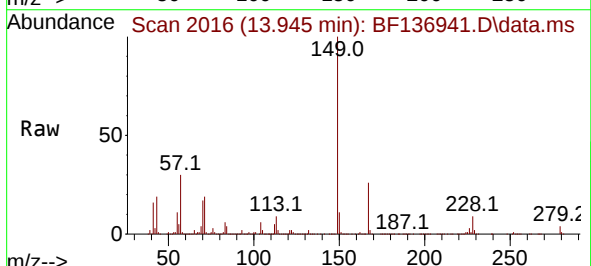
Tgt Ion:149 Resp: 327287

Ion Ratio Lower Upper

149 100

167 26.2 20.9 31.3

279 3.6 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 65.936 ng

RT: 14.563 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

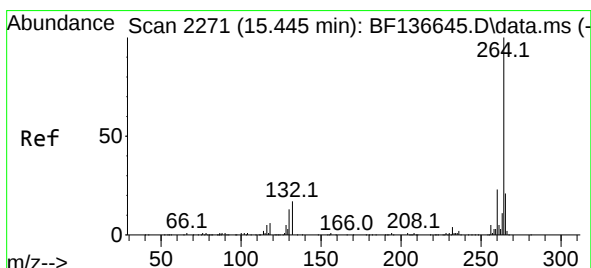
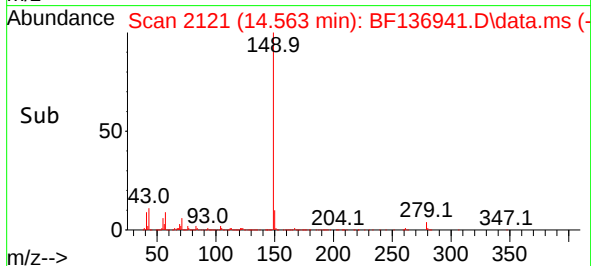
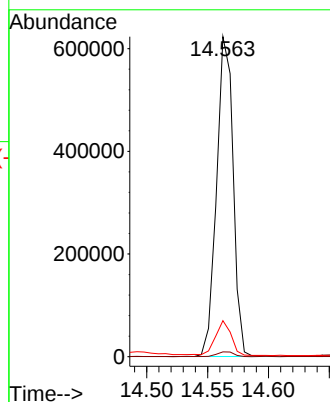
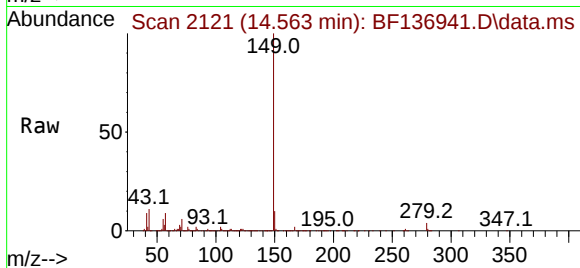
Tgt Ion:149 Resp: 589251

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.5 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

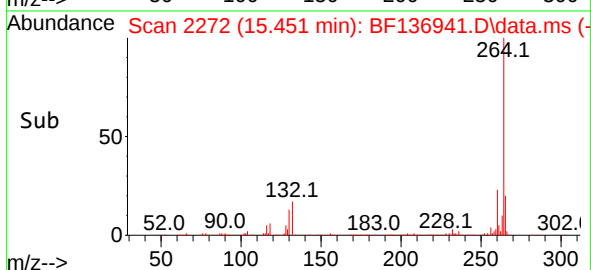
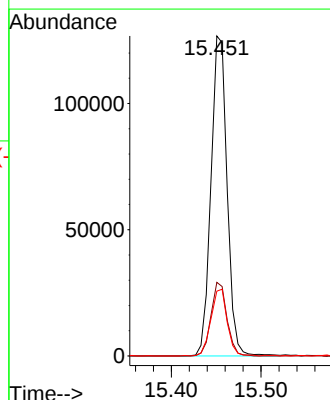
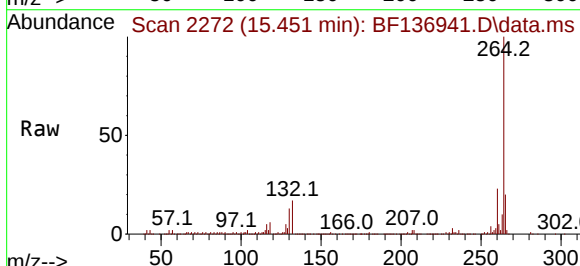
Tgt Ion:264 Resp: 158092

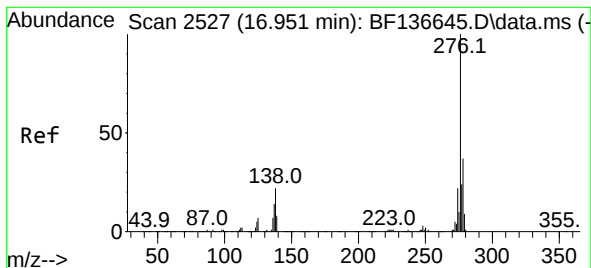
Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 20.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.852 ng

RT: 16.974 min Scan# 2531

Delta R.T. 0.024 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

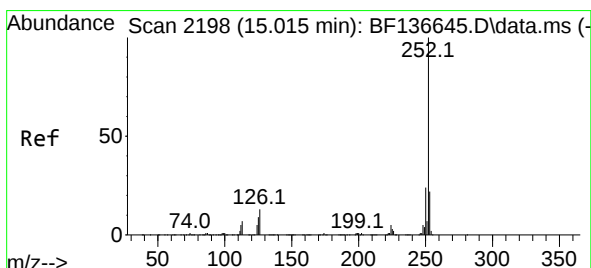
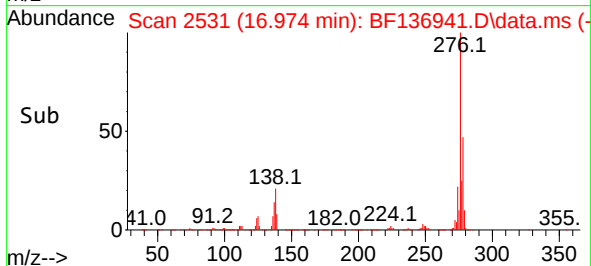
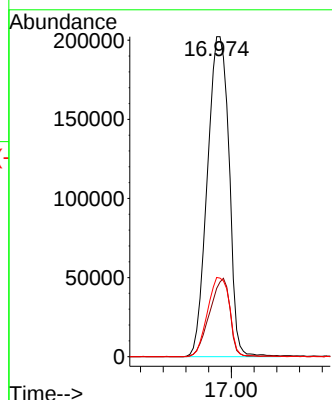
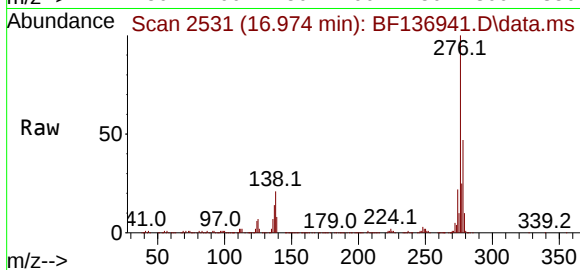
Tgt Ion:276 Resp: 534792

Ion Ratio Lower Upper

276 100

138 23.0 18.7 28.1

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 39.934 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

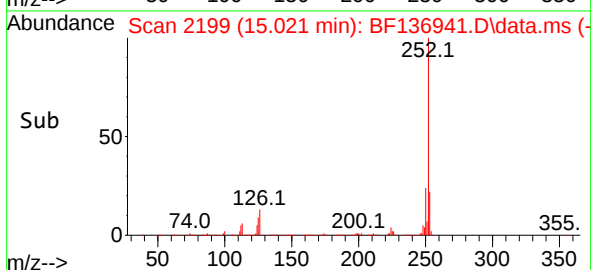
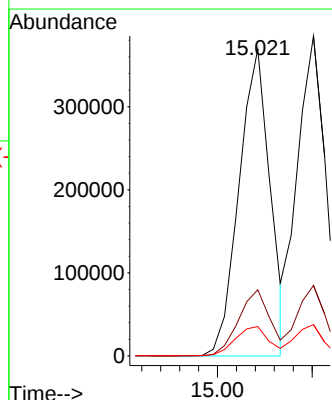
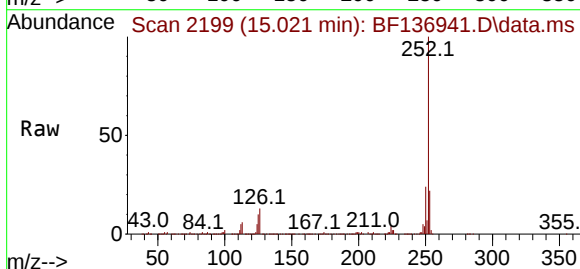
Tgt Ion:252 Resp: 421663

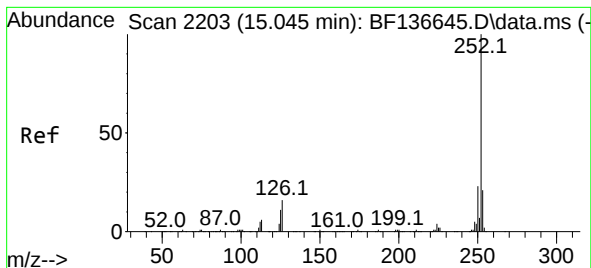
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 9.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 39.589 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

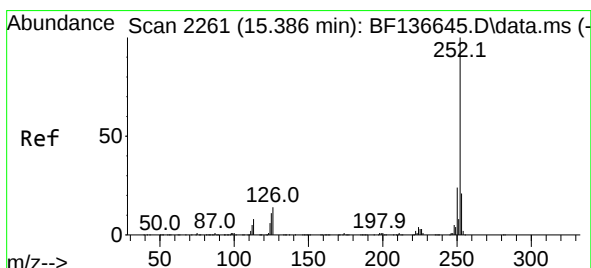
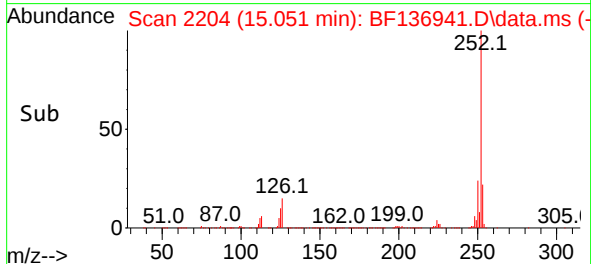
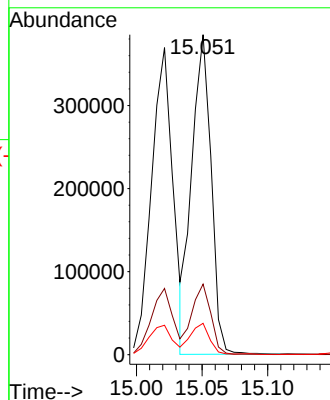
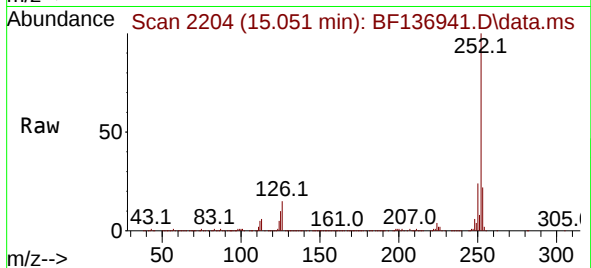
Tgt Ion:252 Resp: 394991

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 9.8 8.2 12.4



#90

Benzo(a)pyrene

Concen: 41.952 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

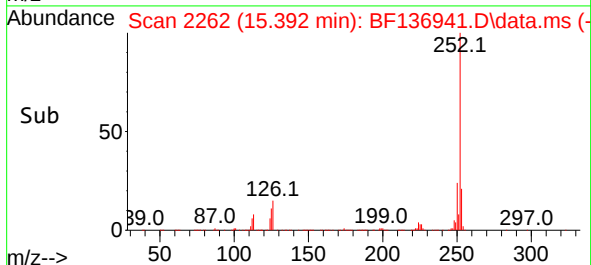
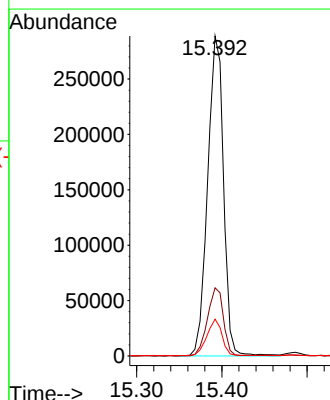
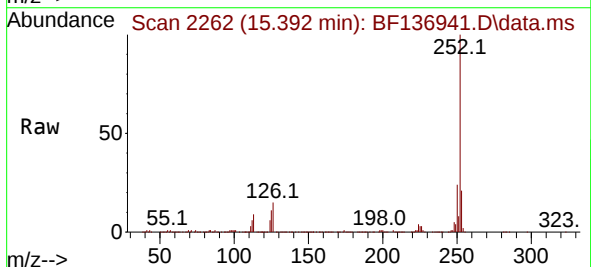
Tgt Ion:252 Resp: 373917

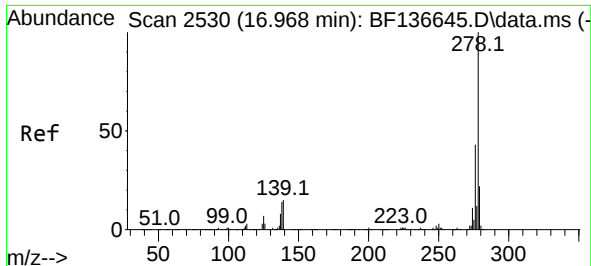
Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 11.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 48.160 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA_F

ClientSampleId :

GHL-SS-36aMSD

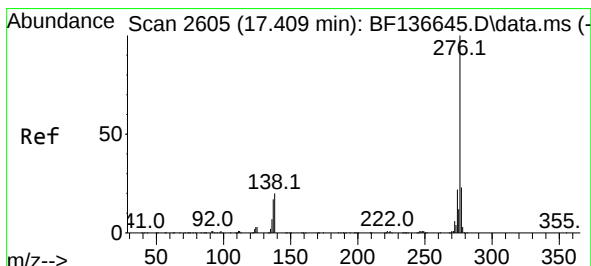
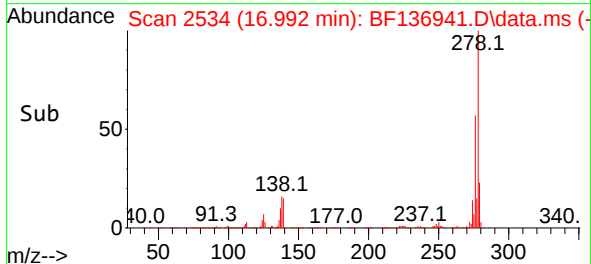
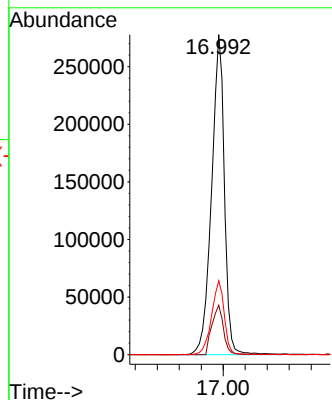
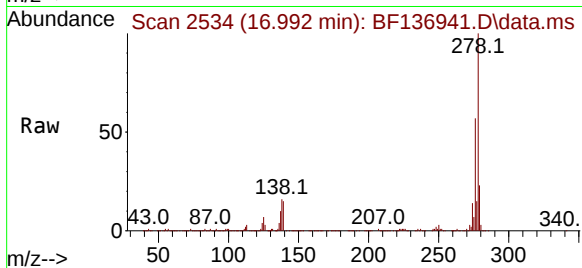
Tgt Ion:278 Resp: 450993

Ion Ratio Lower Upper

278 100

139 15.4 12.2 18.4

279 23.1 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 44.943 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.030 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion:276 Resp: 431053

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 19.7 15.6 23.4

