

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139903.D
 Acq On : 21 Oct 2024 15:15
 Operator : RC/JU
 Sample : P4385-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Quant Time: Oct 21 15:41:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	163321	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	638402	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	343933	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	570576	20.000	ng	0.00
76) Chrysene-d12	14.057	240	298930	20.000	ng	0.00
86) Perylene-d12	15.533	264	341306	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1217137	116.667	ng	0.02
7) Phenol-d6	6.510	99	1562444	115.635	ng	0.00
23) Nitrobenzene-d5	7.451	82	1004005	87.164	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	395137	122.826	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1728221	83.046	ng	0.00
79) Terphenyl-d14	12.998	244	1518139	82.754	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	228063	46.886	ng	97
3) Pyridine	3.522	79	577738	47.918	ng	99
4) n-Nitrosodimethylamine	3.475	42	328170	50.661	ng	99
6) Aniline	6.551	93	358661	28.481	ng	97
8) 2-Chlorophenol	6.675	128	577767	54.173	ng	98
9) Benzaldehyde	6.440	77	168270	22.137	ng	99
10) Phenol	6.528	94	756103	54.278	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	565575	52.529	ng	100
12) 1,3-Dichlorobenzene	6.834	146	612426	50.023	ng	99
13) 1,4-Dichlorobenzene	6.910	146	614872	50.270	ng	99
14) 1,2-Dichlorobenzene	7.057	146	595411	52.158	ng	99
15) Benzyl Alcohol	7.028	79	538497	54.331	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	960673	52.327	ng	99
17) 2-Methylphenol	7.134	107	484216	53.244	ng	100
18) Hexachloroethane	7.404	117	222977	51.121	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	416456	50.819	ng	98
20) 3+4-Methylphenols	7.287	107	583044	50.123	ng	94
22) Acetophenone	7.298	105	771816	49.360	ng	100
24) Nitrobenzene	7.469	77	633055	50.127	ng	100
25) Isophorone	7.710	82	1143161	52.289	ng	100
26) 2-Nitrophenol	7.787	139	290123	60.895	ng	97
27) 2,4-Dimethylphenol	7.816	122	465684	58.619	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	680176	51.351	ng	100
29) 2,4-Dichlorophenol	8.022	162	472543	52.222	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	490878	49.026	ng	98
31) Naphthalene	8.192	128	1636861	49.715	ng	100
32) Benzoic acid	7.934	122	371322	53.590	ng	96
33) 4-Chloroaniline	8.240	127	106463	9.483	ng	98
34) Hexachlorobutadiene	8.310	225	315778	50.195	ng	100
35) Caprolactam	8.610	113	110353	38.355	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	512994	51.199	ng	97
37) 2-Methylnaphthalene	8.887	142	1022931	50.729	ng	100
38) 1-Methylnaphthalene	8.987	142	958193	48.433	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	472211	50.891	ng	99
41) Hexachlorocyclopentadiene	9.039	237	509293	157.746	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	365986	55.712	ng	99

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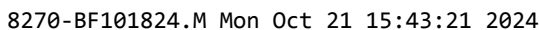
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	348599	51.433	ng	99
46) 1,1'-Biphenyl	9.351	154	1207748	50.443	ng	99
47) 2-Chloronaphthalene	9.375	162	976951	50.662	ng	99
48) 2-Nitroaniline	9.469	65	335852	56.945	ng	94
49) Acenaphthylene	9.792	152	1505400	53.998	ng	99
50) Dimethylphthalate	9.651	163	1138290	53.134	ng	100
51) 2,6-Dinitrotoluene	9.710	165	250213	53.943	ng	98
52) Acenaphthene	9.963	154	1031445	57.193	ng	100
53) 3-Nitroaniline	9.875	138	147184	30.770	ng	98
54) 2,4-Dinitrophenol	9.981	184	244925	123.246	ng	# 1
55) Dibenzofuran	10.134	168	1320686	51.040	ng	99
56) 4-Nitrophenol	10.034	139	381655	103.707	ng	98
57) 2,4-Dinitrotoluene	10.116	165	326515	57.242	ng	98
58) Fluorene	10.481	166	974437	49.443	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	284032	53.457	ng	98
60) Diethylphthalate	10.351	149	1085654	51.614	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	488451	49.077	ng	99
62) 4-Nitroaniline	10.492	138	224336	49.657	ng	98
63) Azobenzene	10.634	77	1348180	60.458	ng	89
65) 4,6-Dinitro-2-methylph...	10.522	198	164102	70.510	ng	92
66) n-Nitrosodiphenylamine	10.586	169	914399	53.545	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	314167	53.448	ng	95
68) Hexachlorobenzene	11.022	284	345791	52.307	ng	99
69) Atrazine	11.116	200	286426	61.917	ng	99
70) Pentachlorophenol	11.216	266	396159	98.740	ng	99
71) Phenanthrene	11.439	178	1389005	51.537	ng	100
72) Anthracene	11.492	178	1357792	51.634	ng	100
73) Carbazole	11.645	167	1174574	48.028	ng	99
74) Di-n-butylphthalate	11.975	149	1467314	51.931	ng	100
75) Fluoranthene	12.627	202	1278160	46.912	ng	99
77) Benzidine	12.745	184	139256	28.330	ng	99
78) Pyrene	12.857	202	1284179	49.078	ng	100
80) Butylbenzylphthalate	13.475	149	497868	63.465	ng	100
81) Benzo(a)anthracene	14.045	228	1024399	52.643	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	155200	27.354	ng	99
83) Chrysene	14.080	228	957695	53.677	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	612765	69.622	ng	99
85) Di-n-octyl phthalate	14.651	149	1042738	65.136	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	1022588	46.572	ng	98
88) Benzo(b)fluoranthene	15.098	252	1120950	53.915	ng	100
89) Benzo(k)fluoranthene	15.127	252	916543	51.117	ng	100
90) Benzo(a)pyrene	15.468	252	977805	57.157	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	836229	45.653	ng	99
92) Benzo(g,h,i)perylene	17.480	276	736293	40.243	ng	99

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

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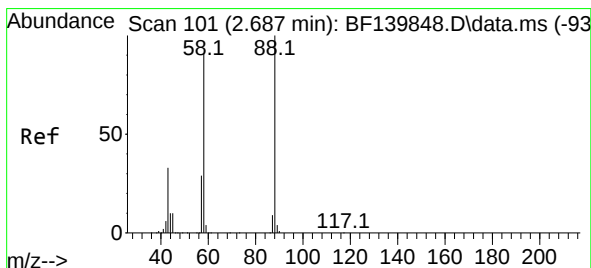
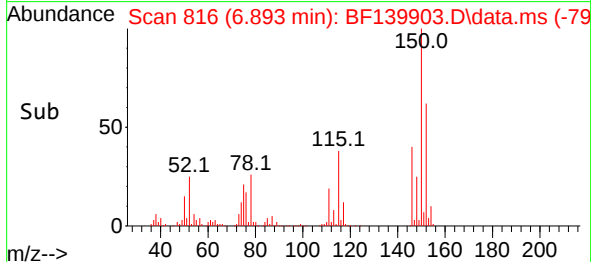
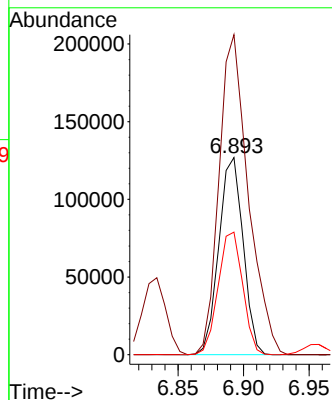
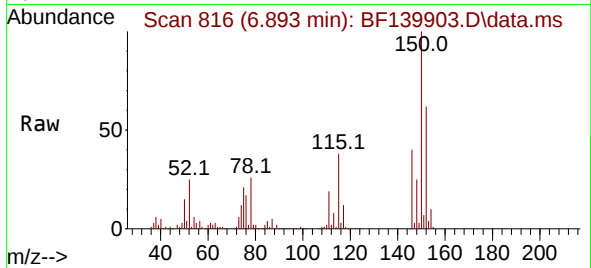




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

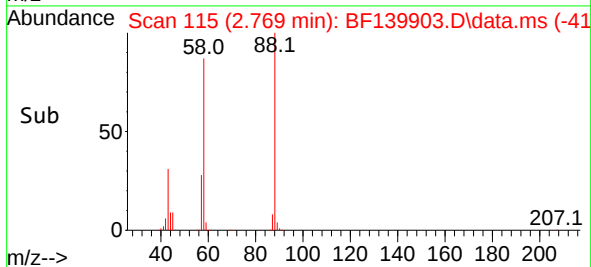
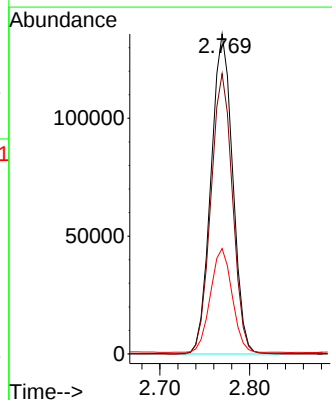
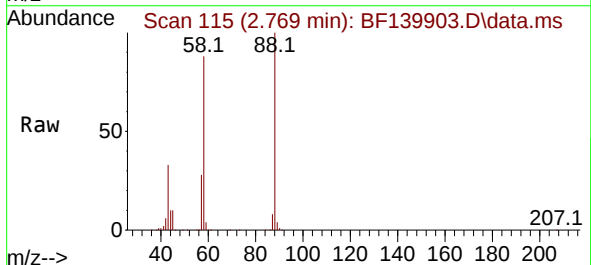
Instrument :
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SP-3MSD

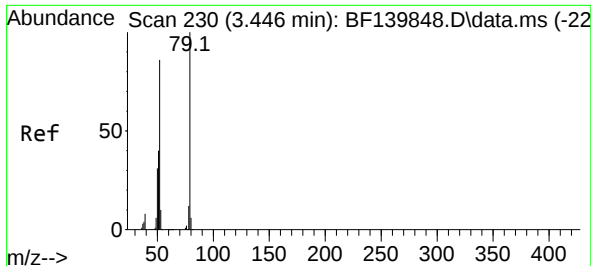
Tgt Ion:152 Resp: 163321
Ion Ratio Lower Upper
152 100
150 162.3 130.2 195.2
115 62.2 51.4 77.2



#2
1,4-Dioxane
Concen: 46.886 ng
RT: 2.769 min Scan# 115
Delta R.T. 0.083 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 88 Resp: 228063
Ion Ratio Lower Upper
88 100
58 88.0 73.3 109.9
43 32.4 27.1 40.7





#3

Pyridine

Concen: 47.918 ng

RT: 3.522 min Scan# 243

Delta R.T. 0.077 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

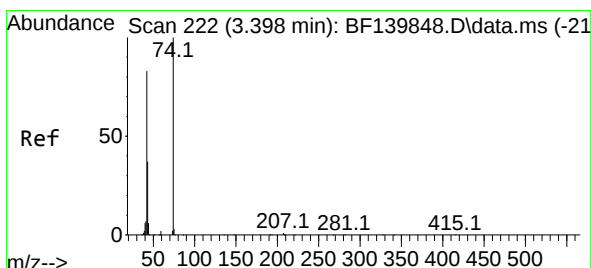
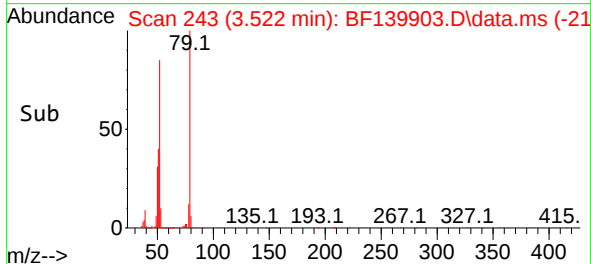
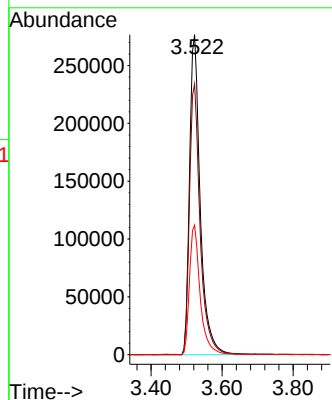
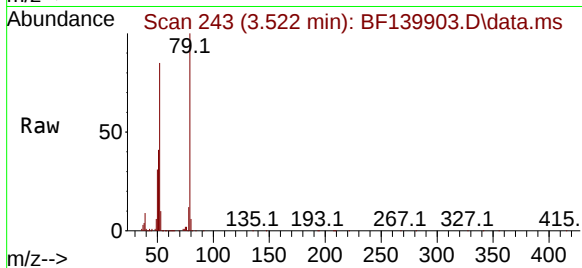
Tgt Ion: 79 Resp: 577738

Ion Ratio Lower Upper

79 100

52 84.6 68.5 102.7

51 40.5 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 50.661 ng

RT: 3.475 min Scan# 235

Delta R.T. 0.077 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

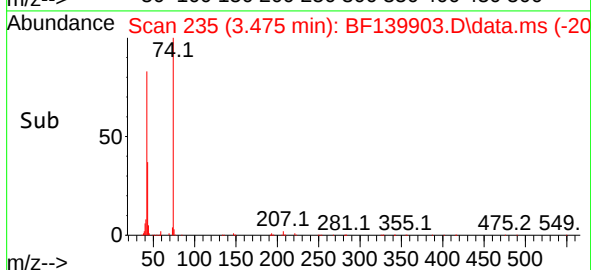
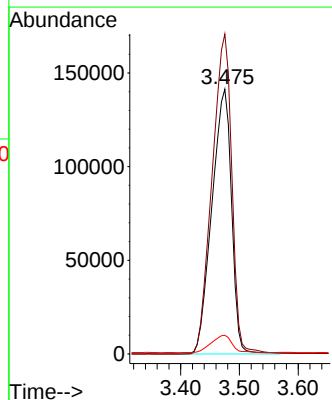
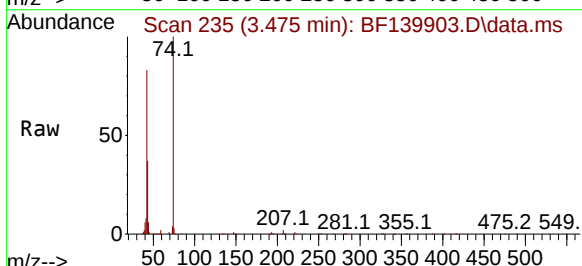
Tgt Ion: 42 Resp: 328170

Ion Ratio Lower Upper

42 100

74 120.8 96.2 144.4

44 7.1 6.2 9.2

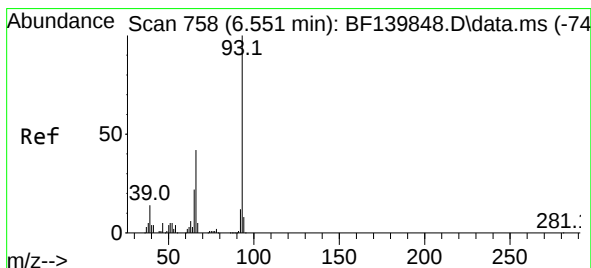
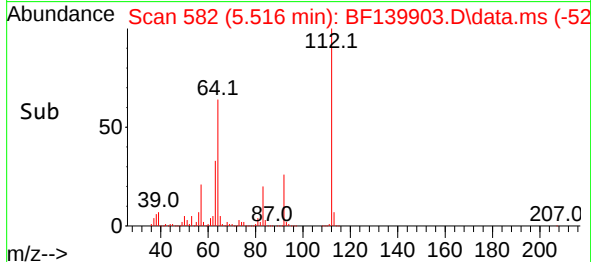
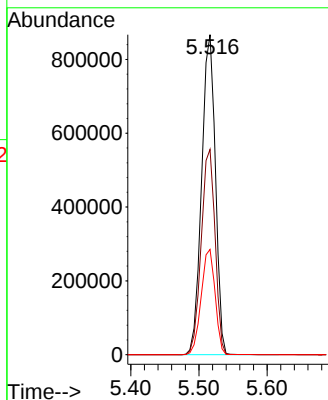
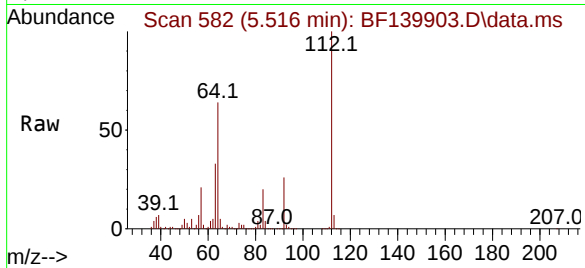




#5
2-Fluorophenol
Concen: 116.667 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

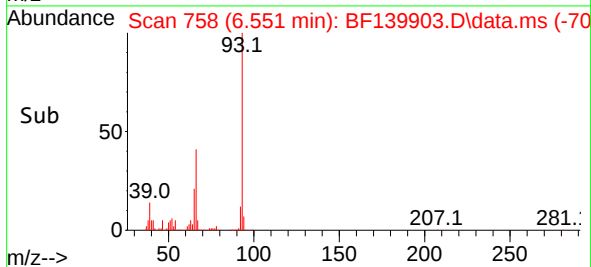
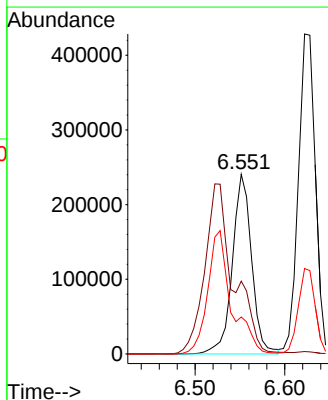
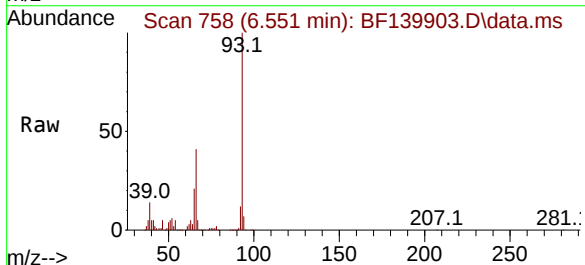
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ClientSampleId :
SP-3MSD

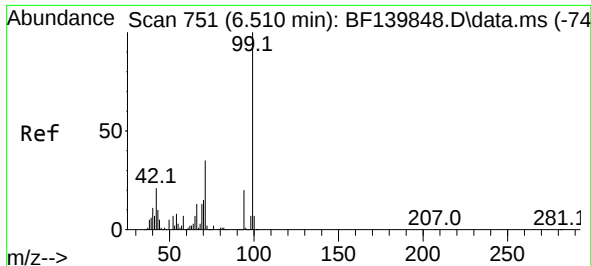
Tgt Ion:112 Resp: 1217137
Ion Ratio Lower Upper
112 100
64 64.1 53.0 79.6
63 32.9 27.0 40.4



#6
Aniline
Concen: 28.481 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 93 Resp: 358661
Ion Ratio Lower Upper
93 100
66 40.5 34.0 51.0
65 20.6 17.4 26.0





#7

Phenol-d6

Concen: 115.635 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

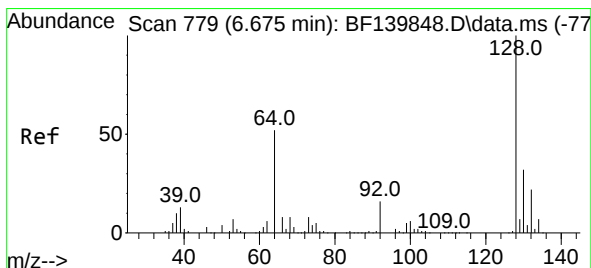
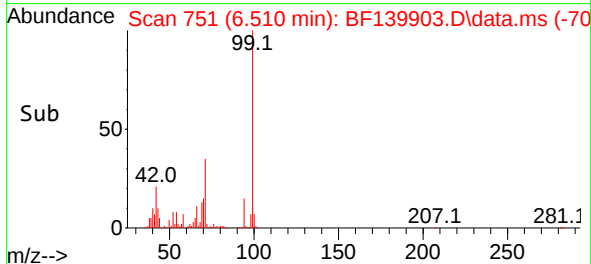
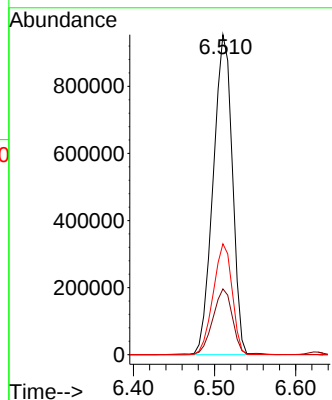
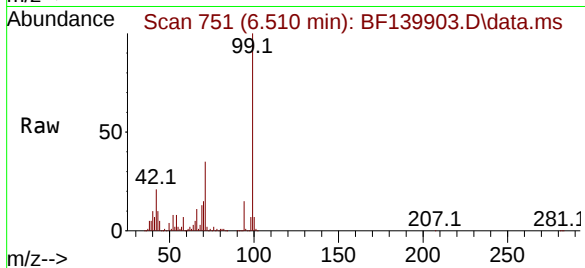
BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion: 99 Resp: 1562444

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.7	25.1
71	34.7	27.7	41.5



#8

2-Chlorophenol

Concen: 54.173 ng

RT: 6.675 min Scan# 779

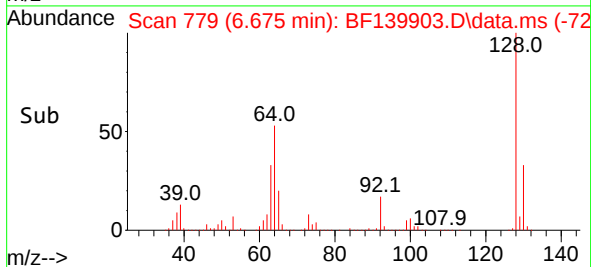
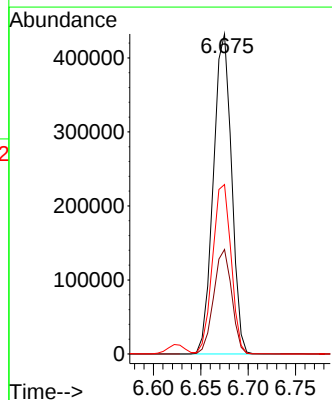
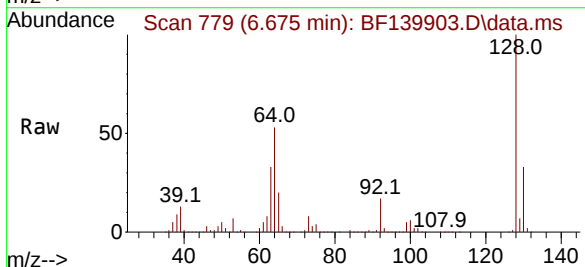
Delta R.T. 0.000 min

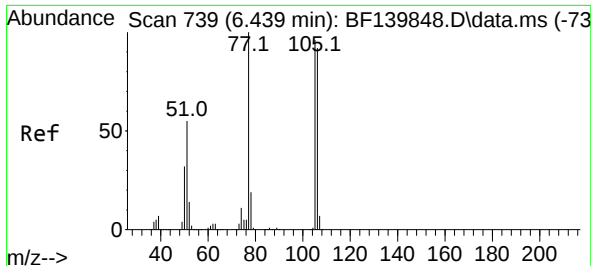
Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Tgt Ion: 128 Resp: 577767

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.3	52.3
64	53.0	34.6	74.6

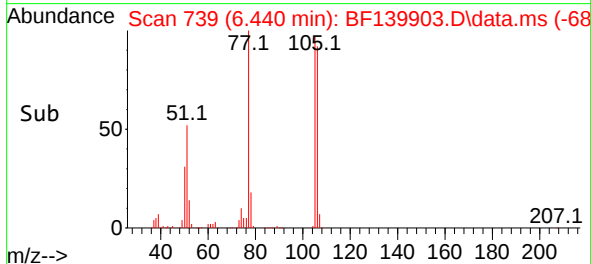
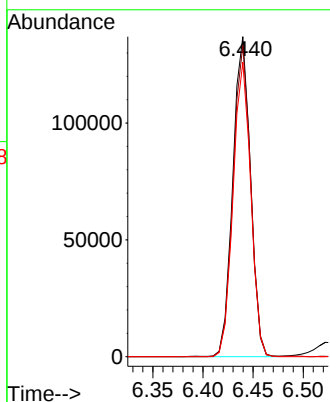
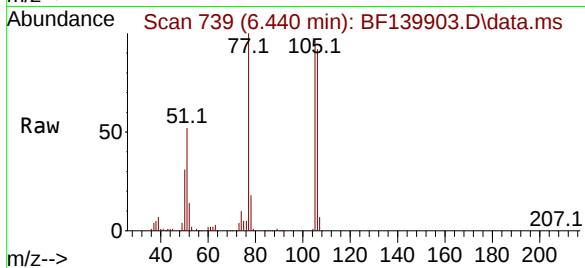




#9
Benzaldehyde
Concen: 22.137 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

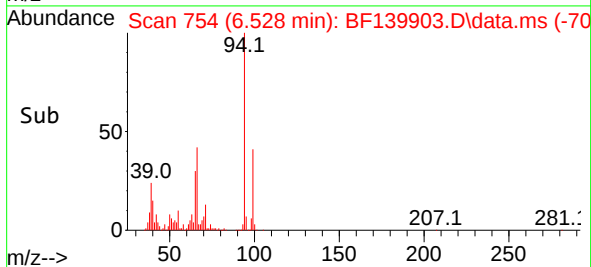
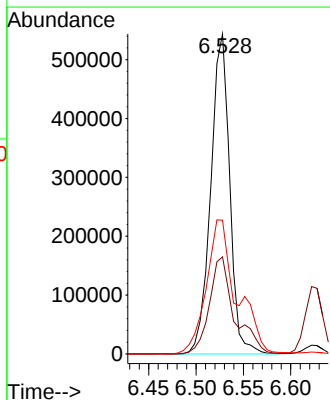
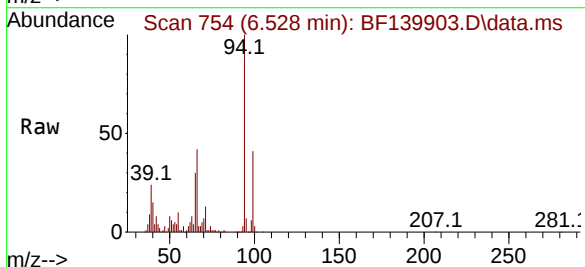
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion: 77 Resp: 168270
Ion Ratio Lower Upper
77 100
105 97.2 75.5 115.5
106 92.0 71.7 111.7



#10
Phenol
Concen: 54.278 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 94 Resp: 756103
Ion Ratio Lower Upper
94 100
65 30.4 11.1 51.1
66 41.8 22.7 62.7

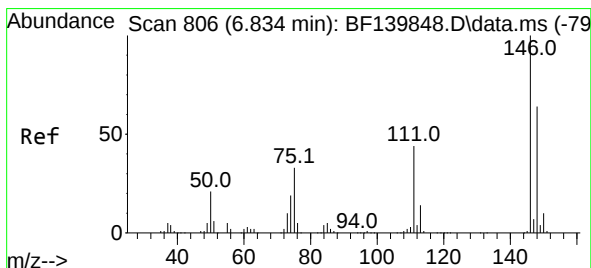
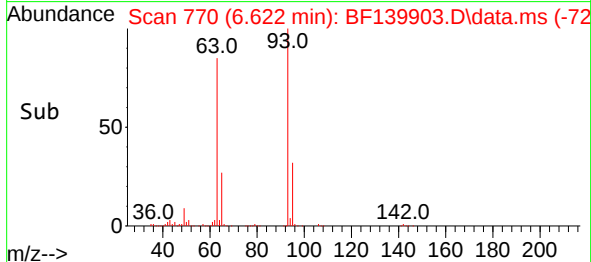
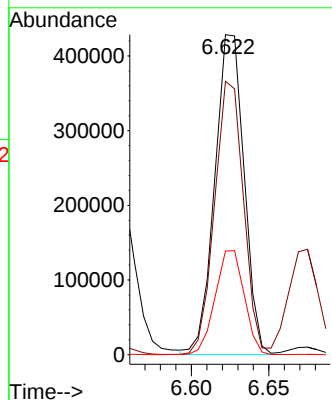
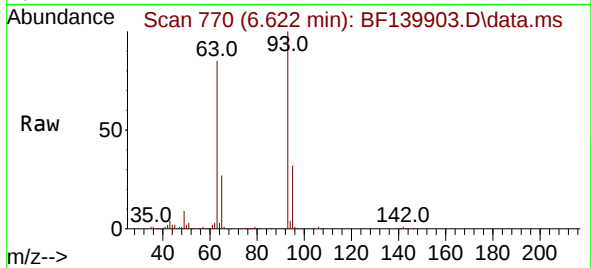




#11
bis(2-Chloroethyl)ether
Concen: 52.529 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

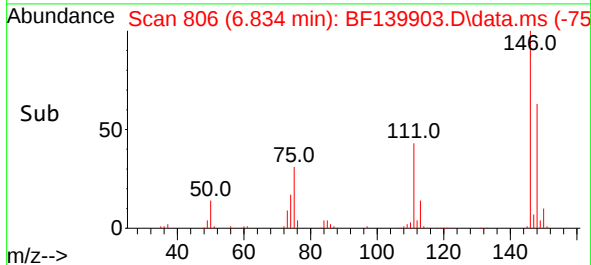
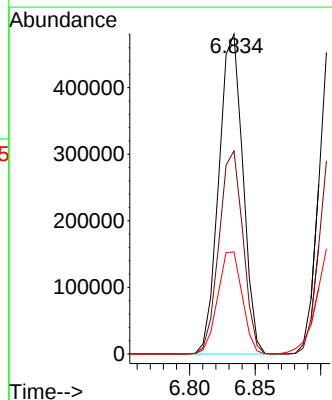
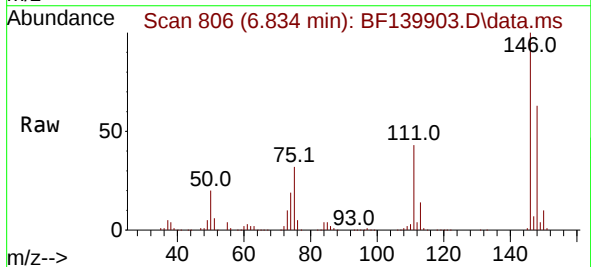
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion: 93 Resp: 565575
Ion Ratio Lower Upper
93 100
63 85.5 65.0 105.0
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 50.023 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:146 Resp: 612426
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
75 31.9 26.4 39.6

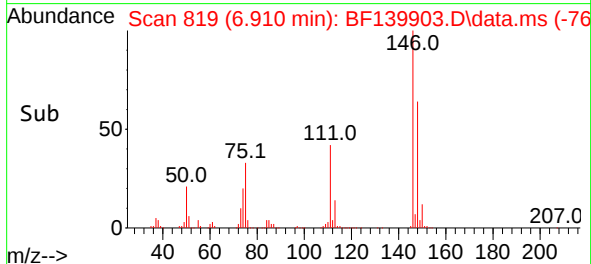
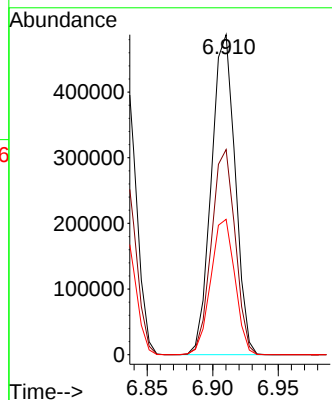
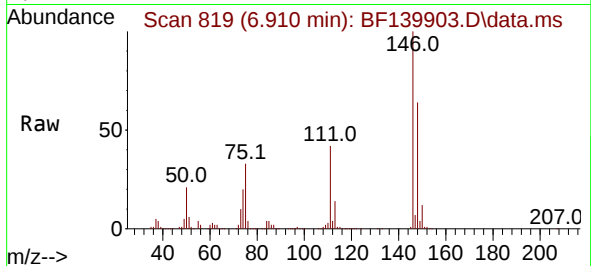




#13
1,4-Dichlorobenzene
Concen: 50.270 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

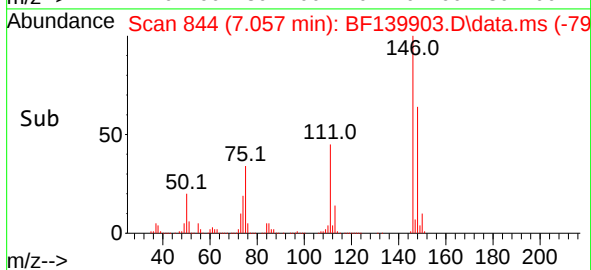
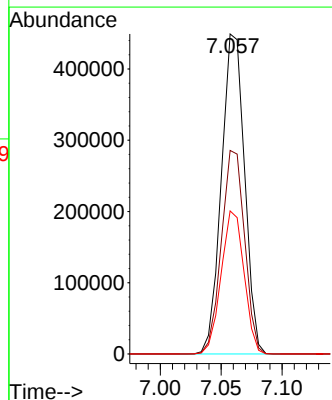
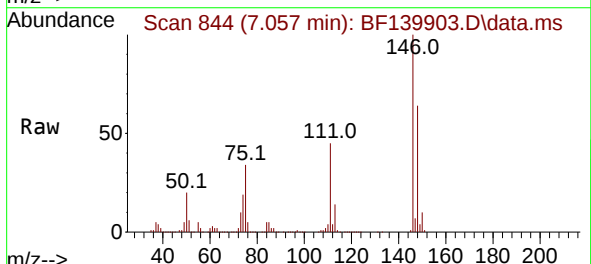
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

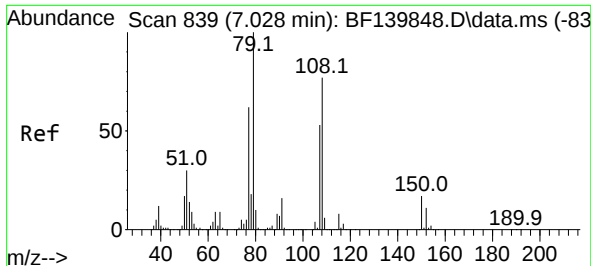
Tgt Ion:146 Resp: 614872
Ion Ratio Lower Upper
146 100
148 64.1 51.8 77.8
111 42.3 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 52.158 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:146 Resp: 595411
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.2
111 44.7 36.7 55.1

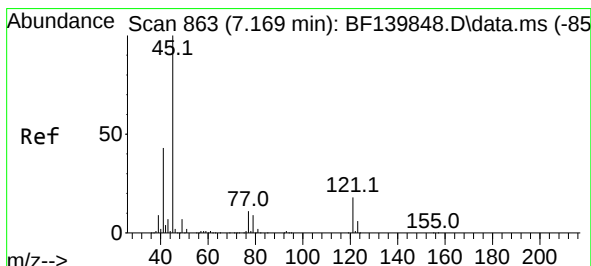
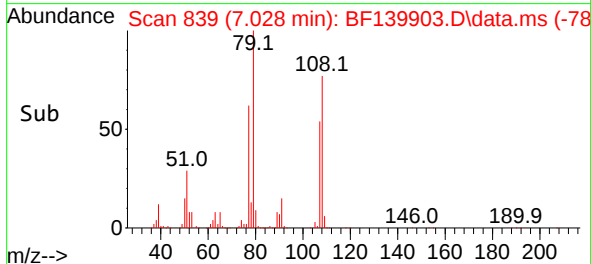
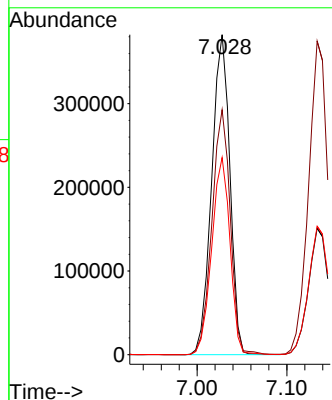
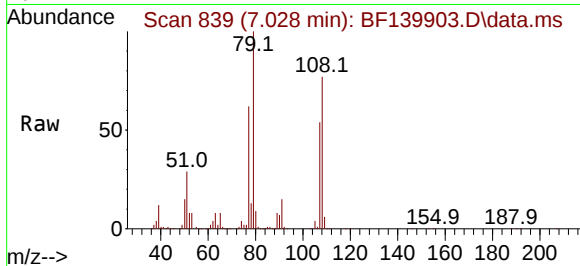




#15
Benzyl Alcohol
Concen: 54.331 ng
RT: 7.028 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

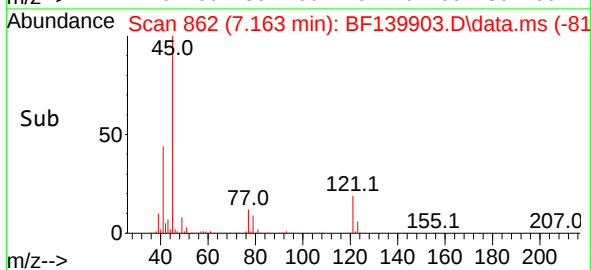
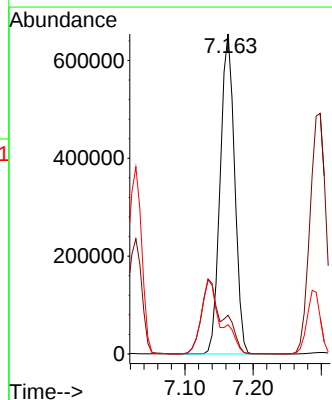
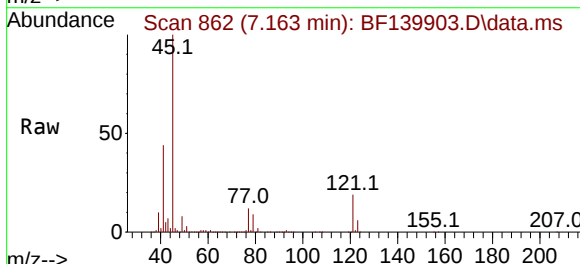
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

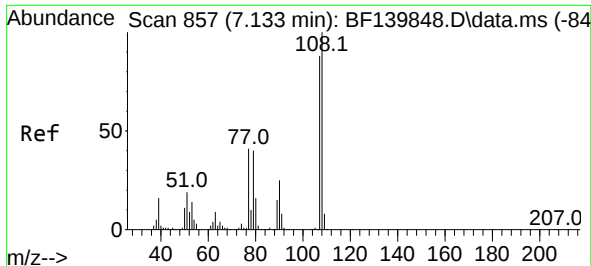
Tgt Ion: 79 Resp: 538497
Ion Ratio Lower Upper
79 100
108 76.6 61.4 92.0
77 61.6 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.327 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 45 Resp: 960673
Ion Ratio Lower Upper
45 100
77 12.1 0.0 31.5
79 9.1 0.0 29.1





#17

2-Methylphenol

Concen: 53.244 ng

RT: 7.134 min Scan# 8

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:107 Resp: 484216

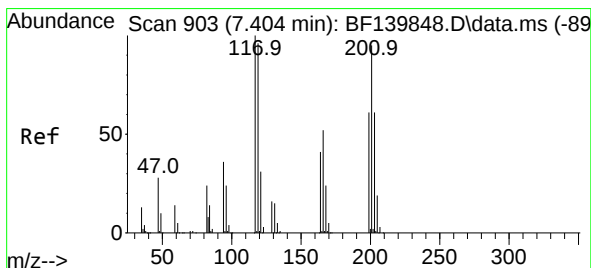
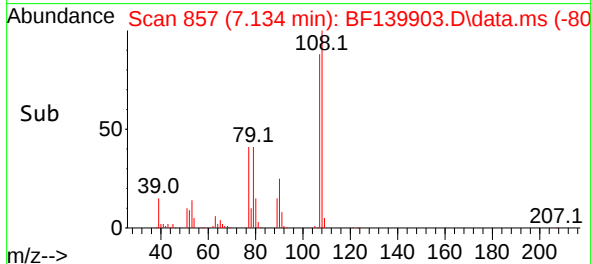
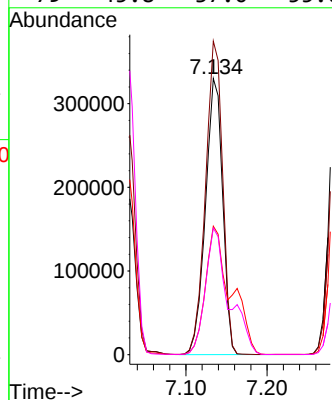
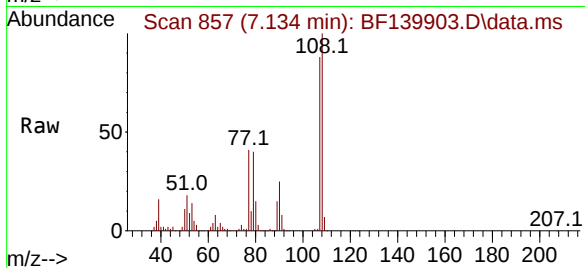
Ion Ratio Lower Upper

107 100

108 113.6 91.3 136.9

77 46.5 37.1 55.7

79 45.8 37.0 55.6



#18

Hexachloroethane

Concen: 51.121 ng

RT: 7.404 min Scan# 903

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

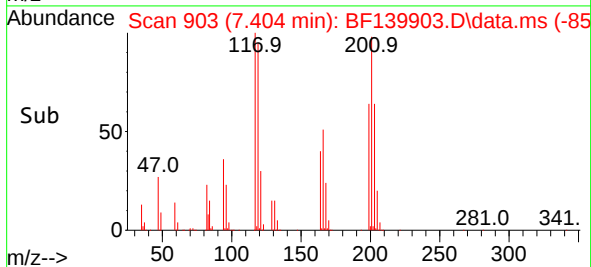
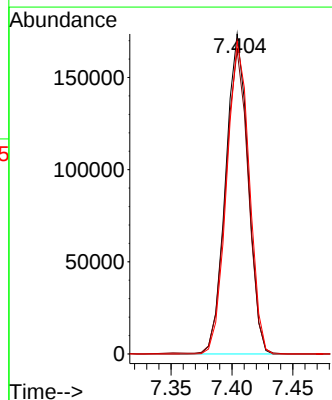
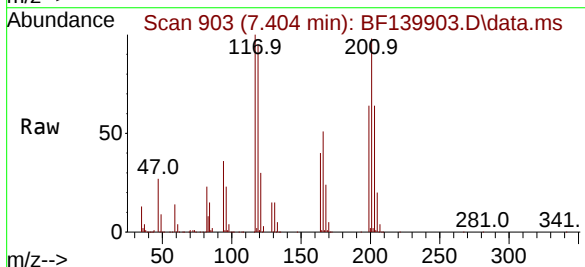
Tgt Ion:117 Resp: 222977

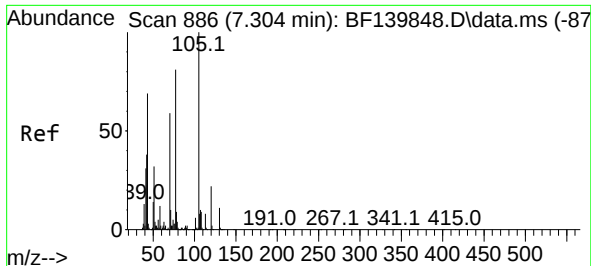
Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.4

201 97.6 76.2 114.4



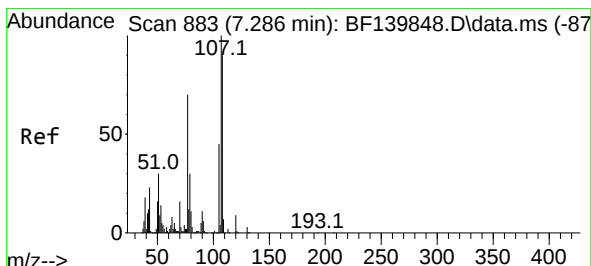
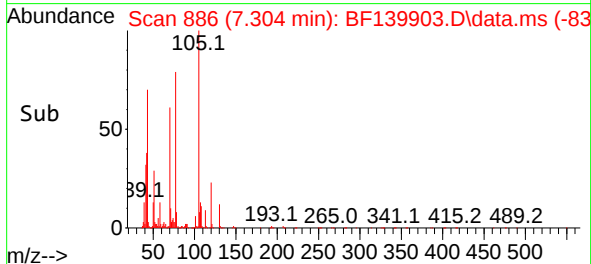
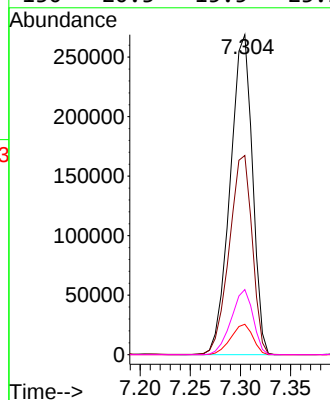
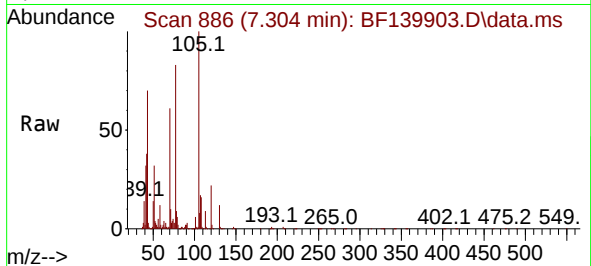


#19
n-Nitroso-di-n-propylamine
Concen: 50.819 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion: 70 Resp: 416456

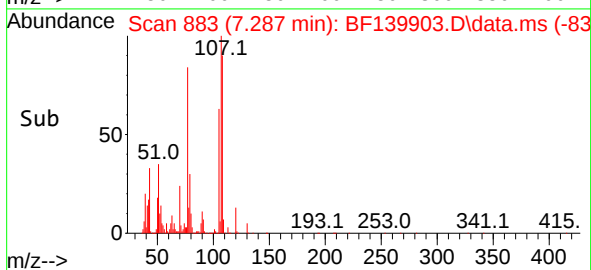
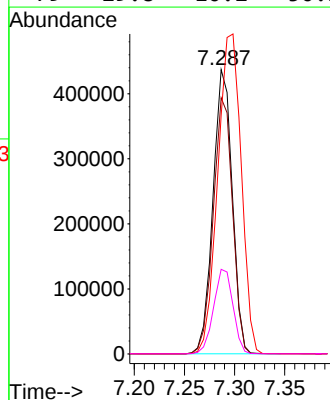
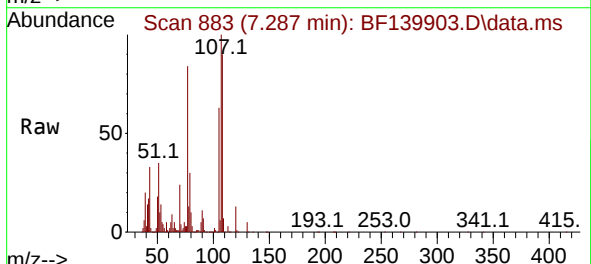
Ion	Ratio	Lower	Upper
70	100		
42	62.3	51.5	77.3
101	9.5	7.5	11.3
130	20.3	15.5	23.3



#20
3+4-Methylphenols
Concen: 50.123 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 107 Resp: 583044

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.8	109.8
77	84.0	50.5	90.5
79	29.8	10.2	50.2



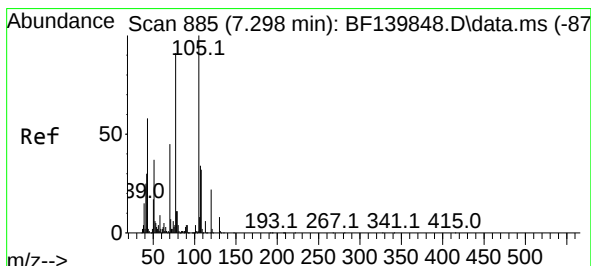
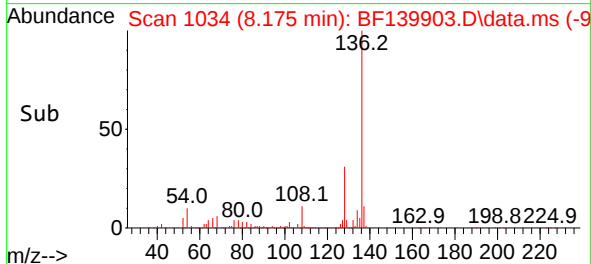
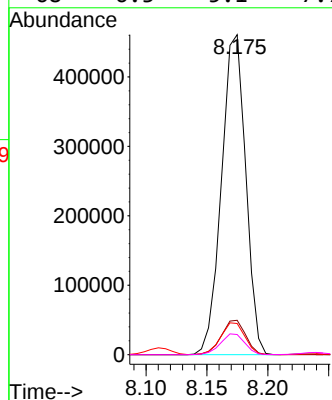
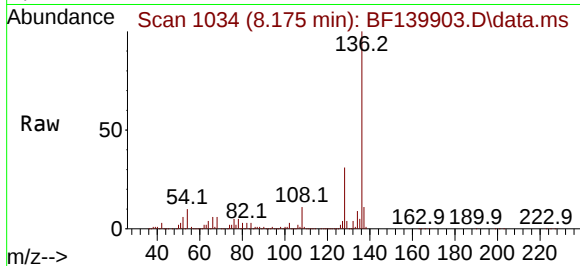


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:136 Resp: 638402

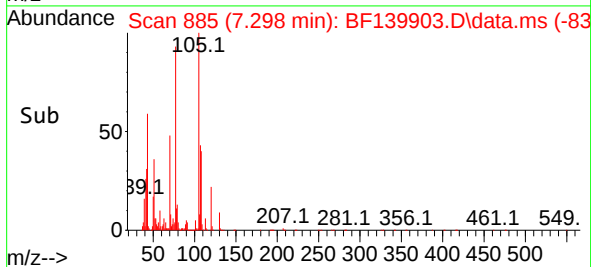
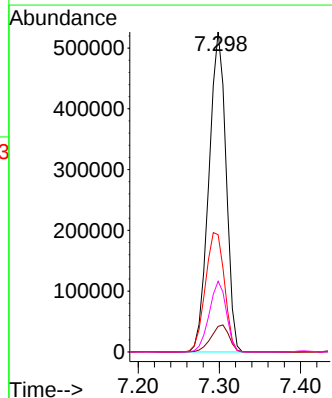
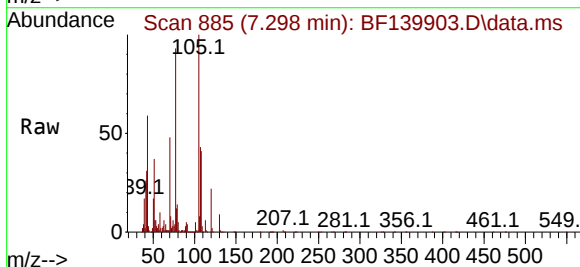
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.7	8.4	12.6
68	6.3	5.1	7.7

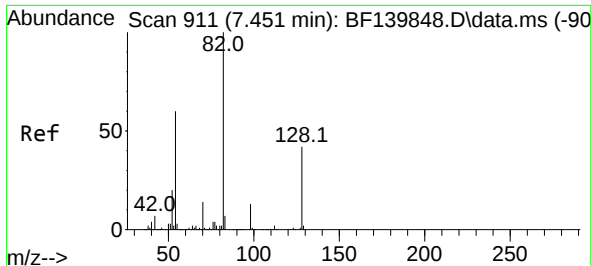


#22
Acetophenone
Concen: 49.360 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:105 Resp: 771816

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.9	8.9
51	36.6	29.4	44.2
120	22.1	17.5	26.3





#23

Nitrobenzene-d5

Concen: 87.164 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

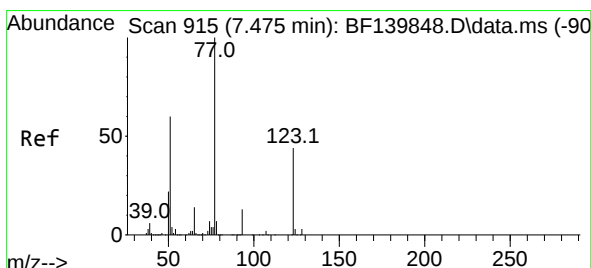
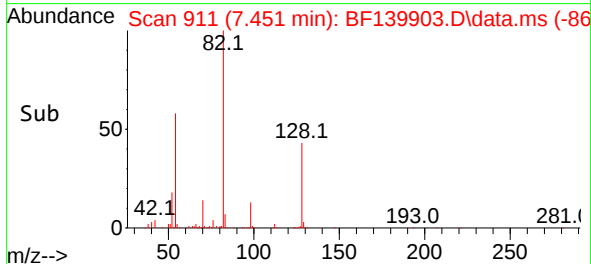
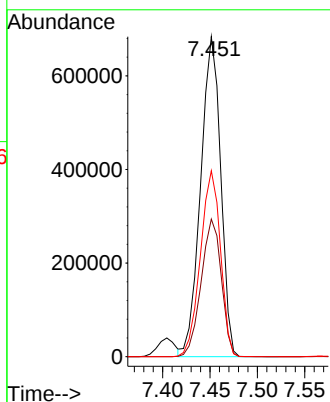
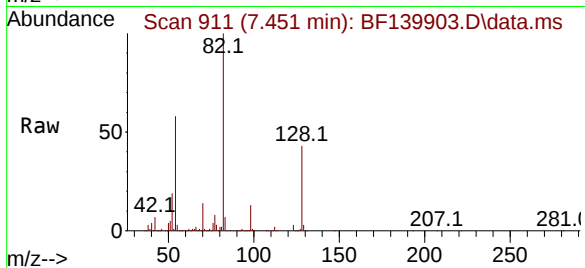
Tgt Ion: 82 Resp: 1004005

Ion Ratio Lower Upper

82 100

128 43.0 33.4 50.0

54 58.1 47.8 71.8



#24

Nitrobenzene

Concen: 50.127 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

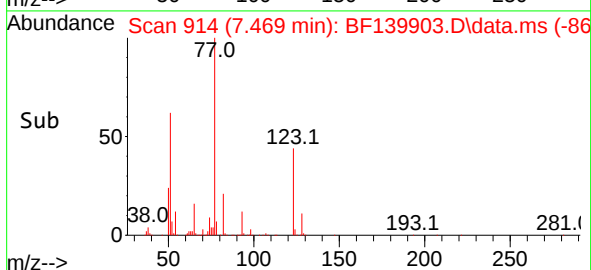
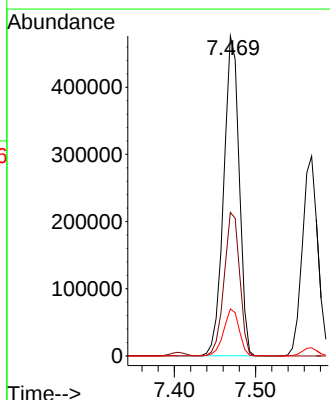
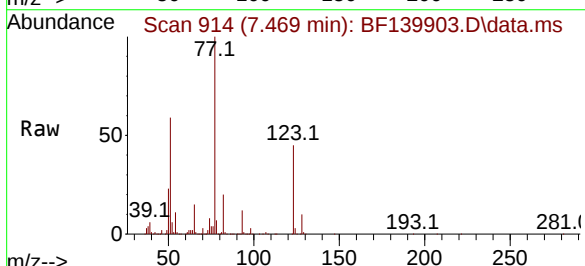
Tgt Ion: 77 Resp: 633055

Ion Ratio Lower Upper

77 100

123 44.8 35.7 53.5

65 14.7 11.5 17.3

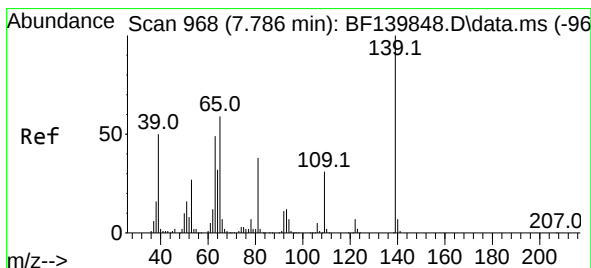
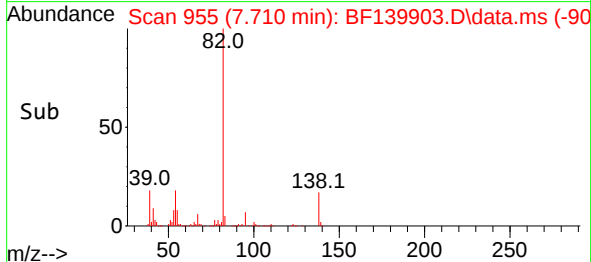
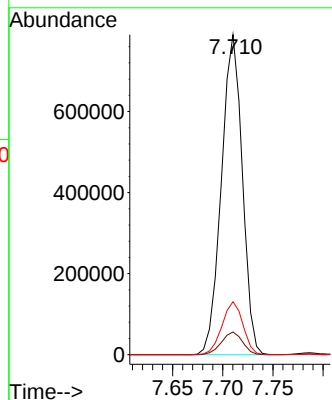
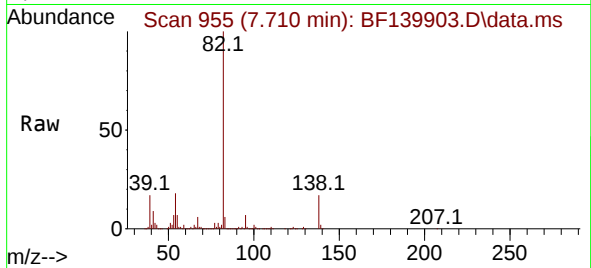




#25
Isophorone
Concen: 52.289 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

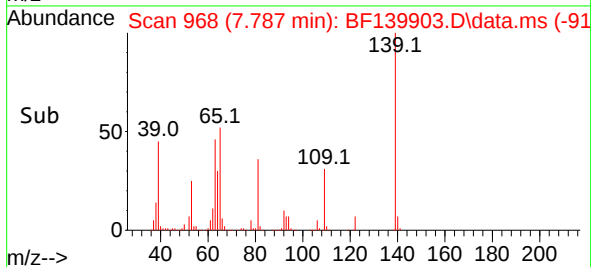
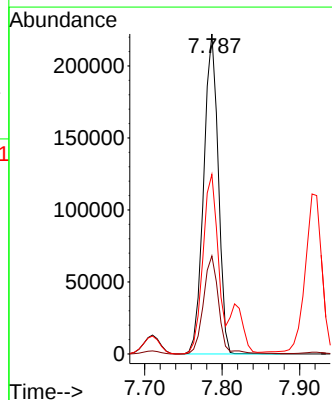
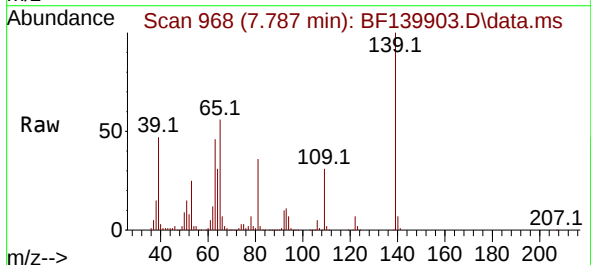
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion: 82 Resp: 1143161
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.6 13.2 19.8



#26
2-Nitrophenol
Concen: 60.895 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:139 Resp: 290123
Ion Ratio Lower Upper
139 100
109 30.7 25.1 37.7
65 56.1 47.5 71.3

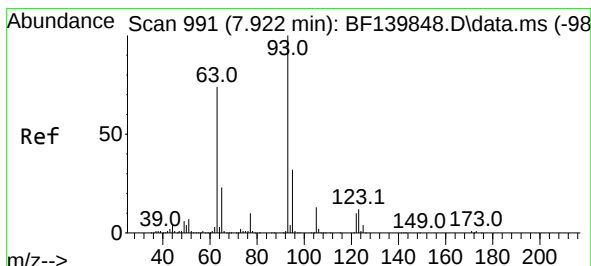
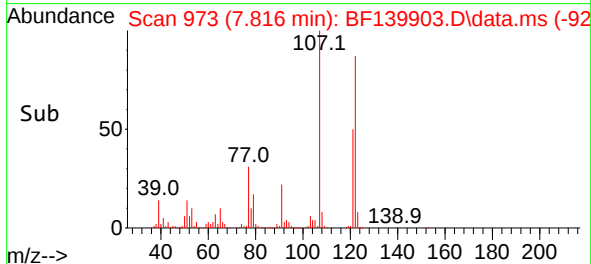
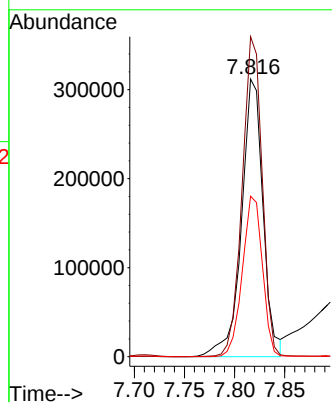
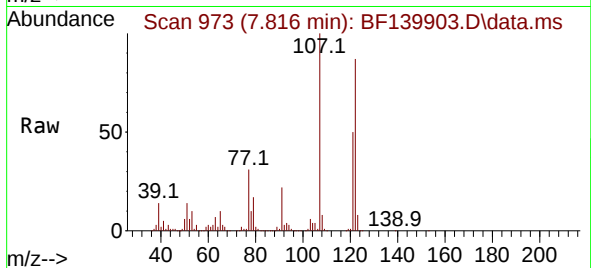




#27
2,4-Dimethylphenol
Concen: 58.619 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

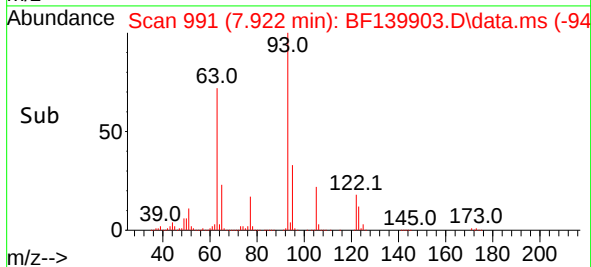
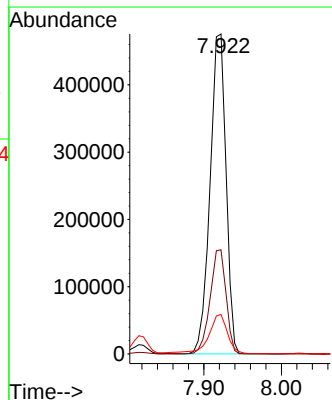
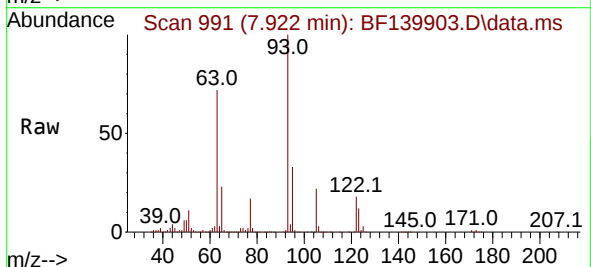
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:122 Resp: 465684
Ion Ratio Lower Upper
122 100
107 115.3 91.9 137.9
121 57.8 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 51.351 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 93 Resp: 680176
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 52.222 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

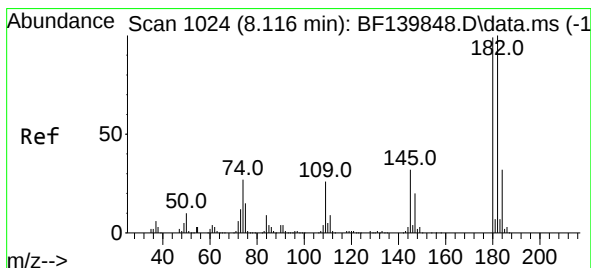
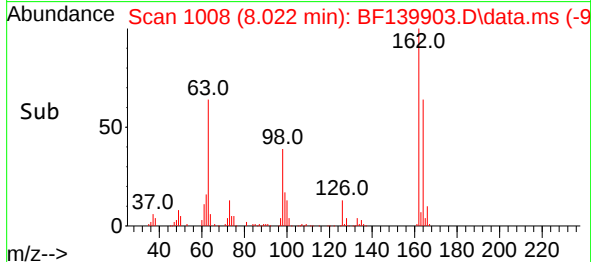
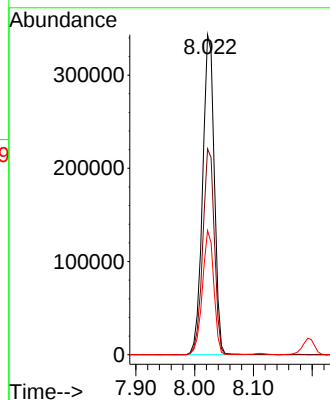
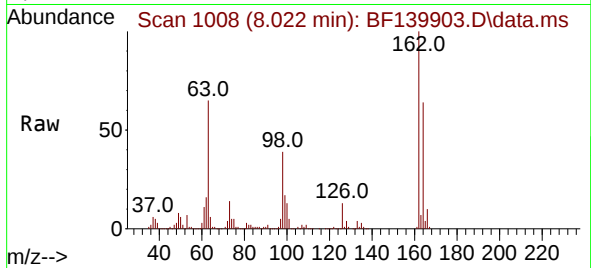
Tgt Ion:162 Resp: 472543

Ion Ratio Lower Upper

162 100

164 64.4 43.9 83.9

98 38.8 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 49.026 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

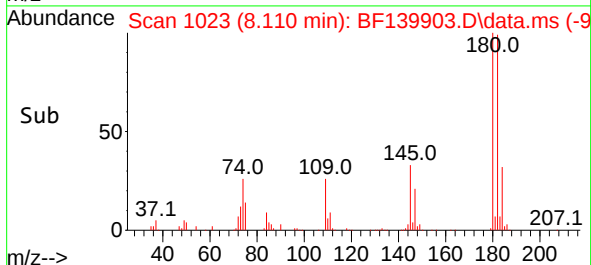
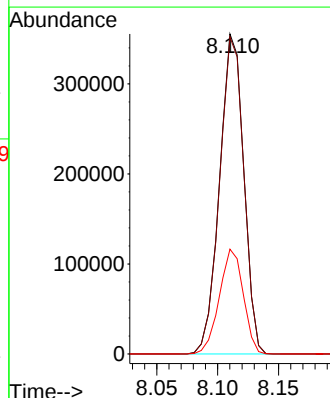
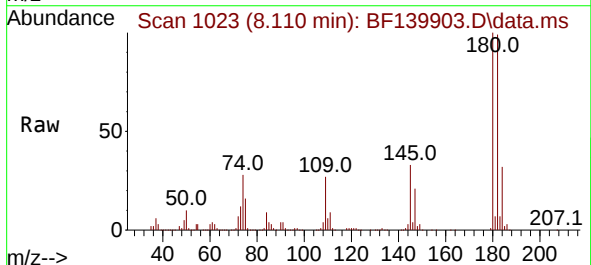
Tgt Ion:180 Resp: 490878

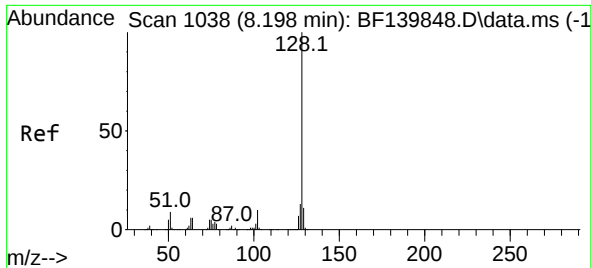
Ion Ratio Lower Upper

180 100

182 99.1 80.5 120.7

145 32.7 25.4 38.0

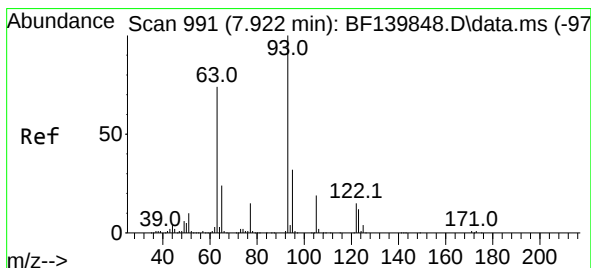
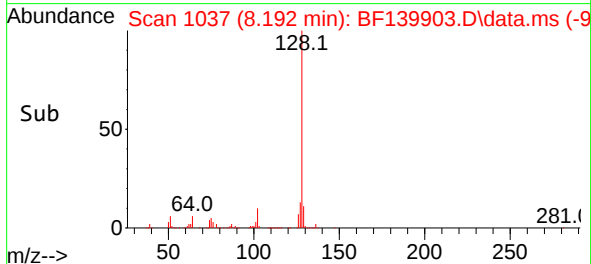
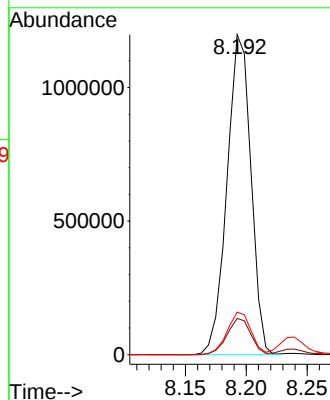
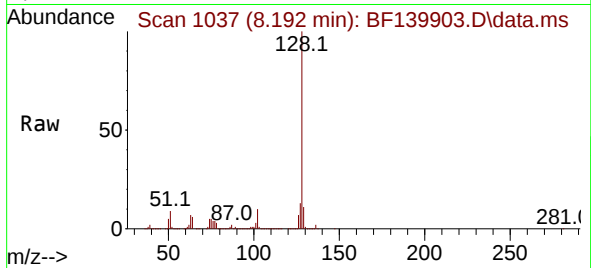




#31
Naphthalene
Concen: 49.715 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

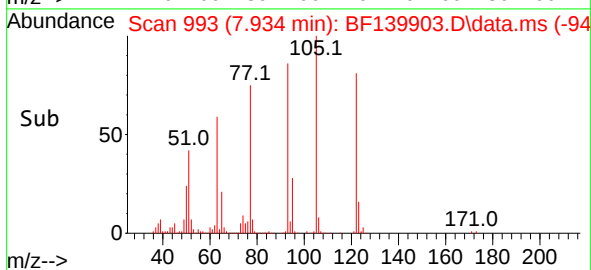
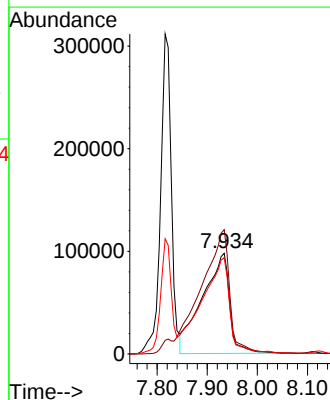
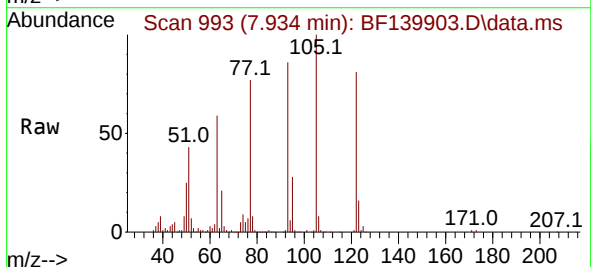
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

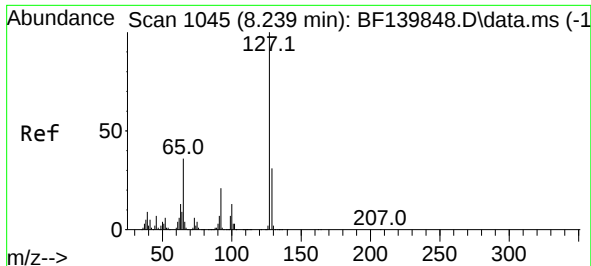
Tgt Ion:128 Resp: 1636861
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 53.590 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:122 Resp: 371322
Ion Ratio Lower Upper
122 100
105 123.5 107.6 147.6
77 95.7 80.2 120.2

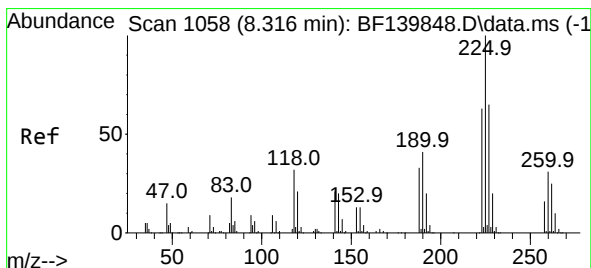
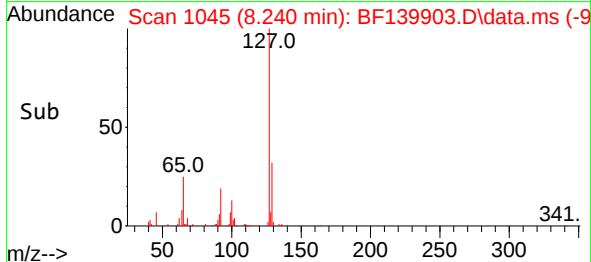
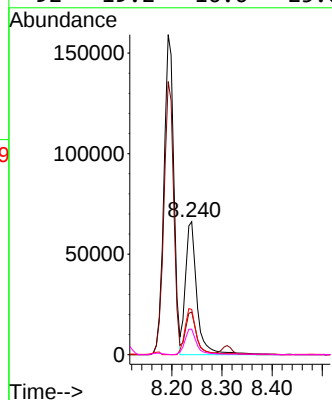
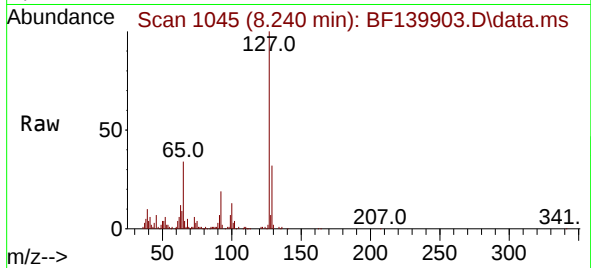




#33
4-Chloroaniline
Concen: 9.483 ng
RT: 8.240 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

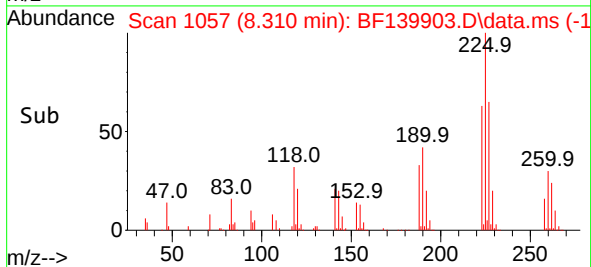
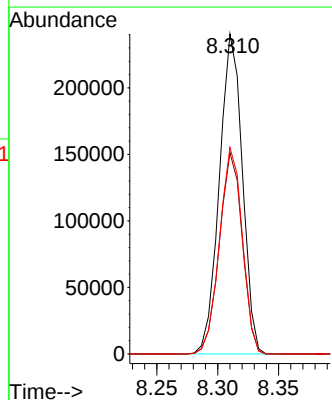
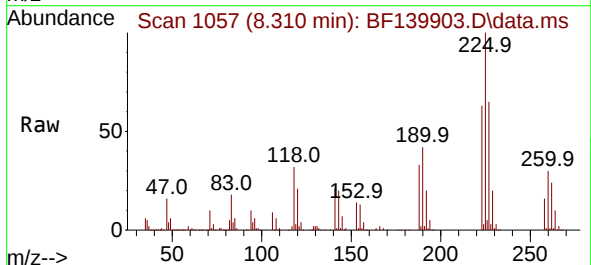
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

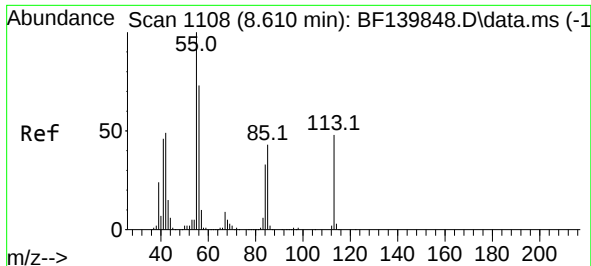
Tgt	Ion:127	Resp:	106463
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.2
65	34.0	28.4	42.6
92	19.2	16.6	25.0



#34
Hexachlorobutadiene
Concen: 50.195 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:225	Resp: 315778
Ion Ratio	Lower Upper
225 100	
223 62.9	50.6 76.0
227 64.5	51.8 77.8

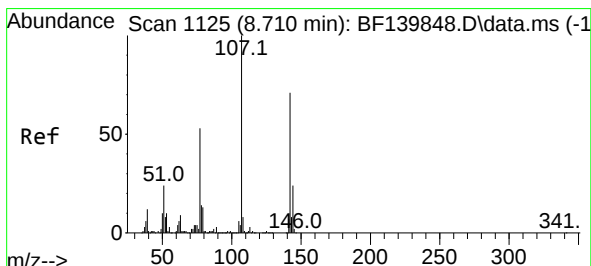
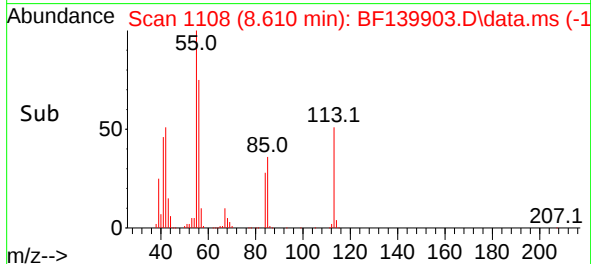
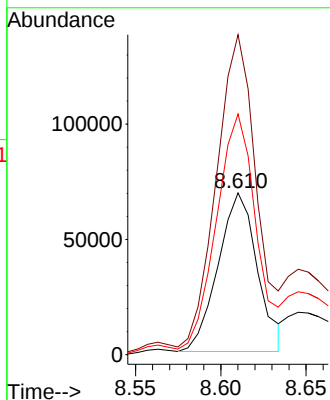
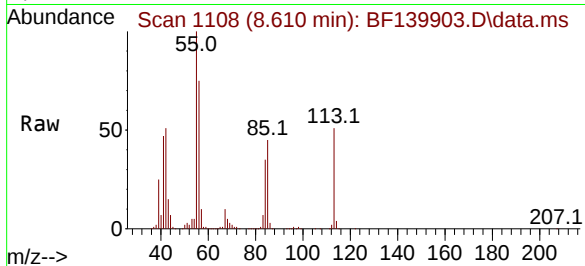




#35
 Caprolactam
 Concen: 38.355 ng
 RT: 8.610 min Scan# 1108
 Delta R.T. 0.000 min
 Lab File: BF139903.D
 Acq: 21 Oct 2024 15:15

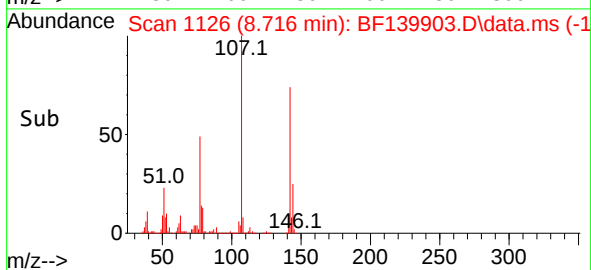
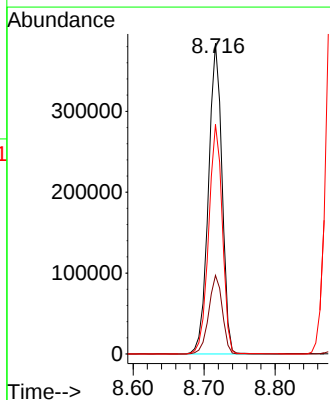
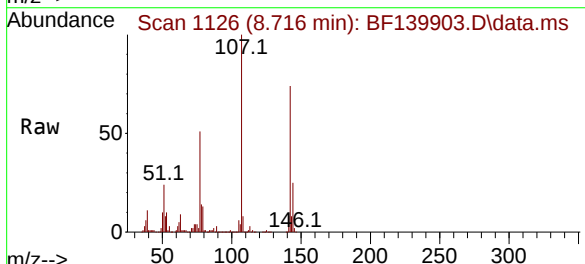
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

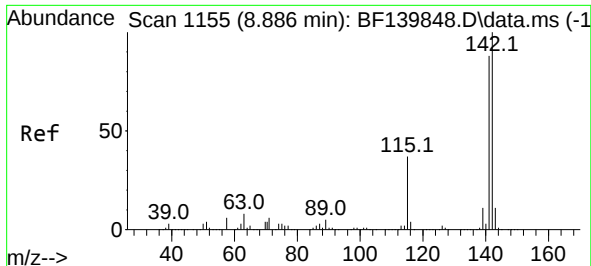
Tgt Ion:113 Resp: 110353
 Ion Ratio Lower Upper
 113 100
 55 197.7 189.2 229.2
 56 148.7 132.5 172.5



#36
 4-Chloro-3-methylphenol
 Concen: 51.199 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: BF139903.D
 Acq: 21 Oct 2024 15:15

Tgt Ion:107 Resp: 512994
 Ion Ratio Lower Upper
 107 100
 144 25.3 19.1 28.7
 142 73.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 50.729 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

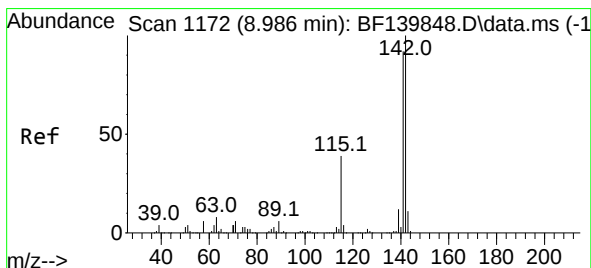
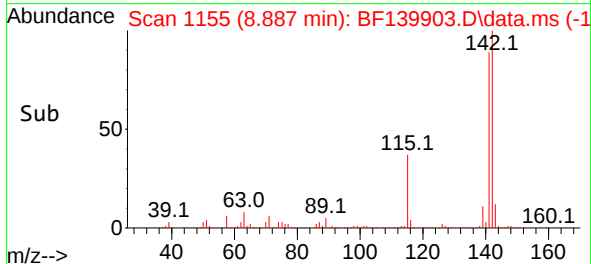
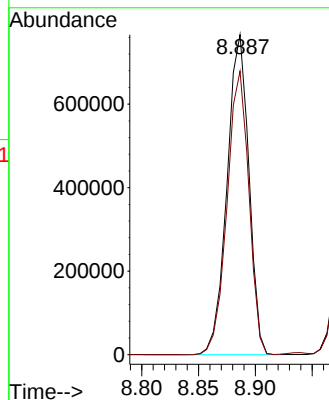
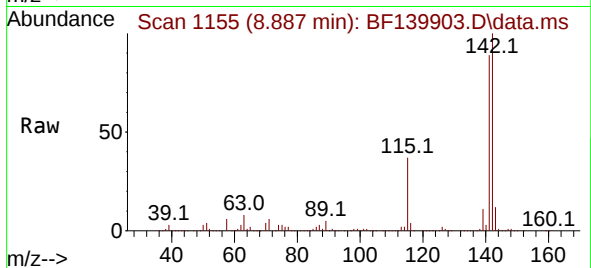
SP-3MSD

Tgt Ion:142 Resp: 1022931

Ion Ratio Lower Upper

142 100

141 88.6 70.8 106.2



#38

1-Methylnaphthalene

Concen: 48.433 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139903.D

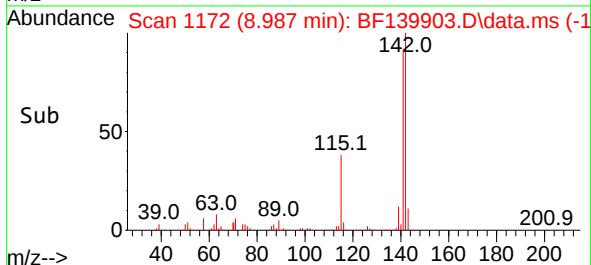
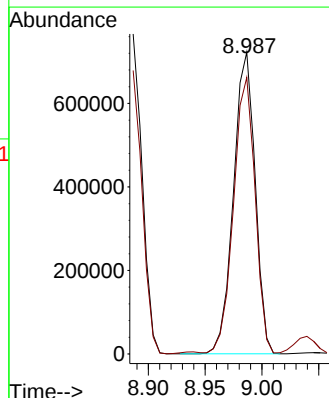
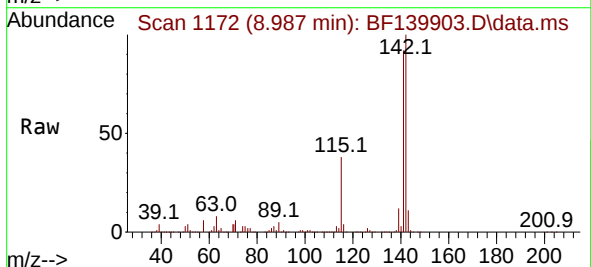
Acq: 21 Oct 2024 15:15

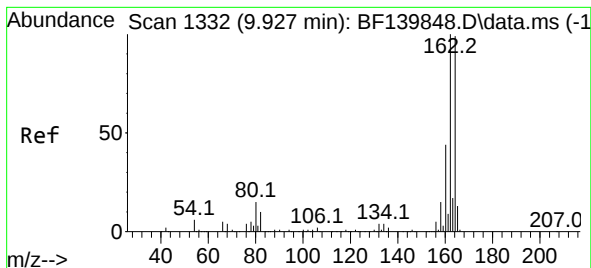
Tgt Ion:142 Resp: 958193

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

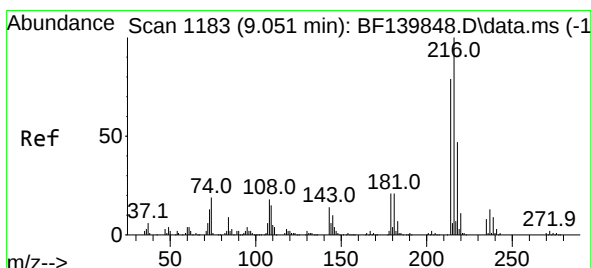
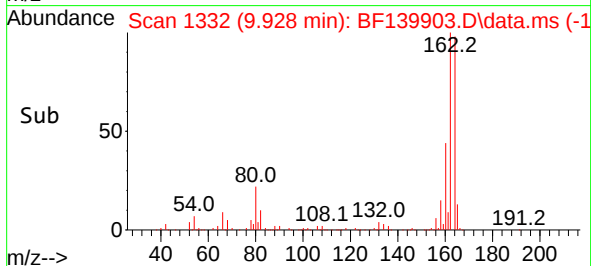
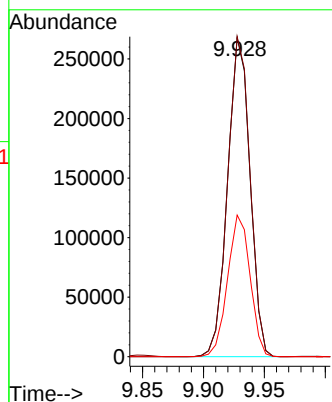
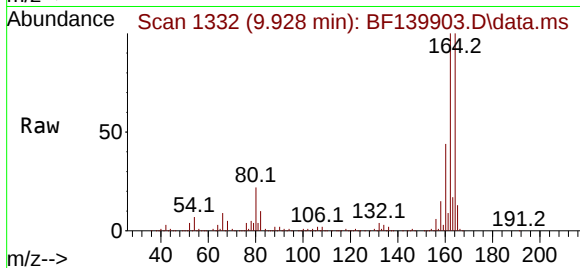
Tgt Ion:164 Resp: 343933

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.4

160 44.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.891 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Tgt Ion:216 Resp: 472211

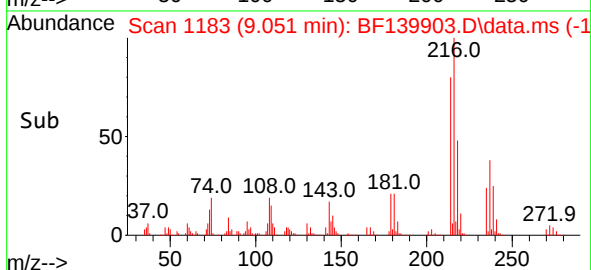
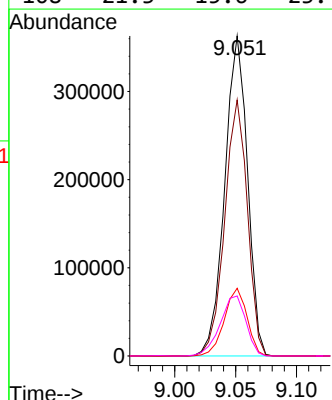
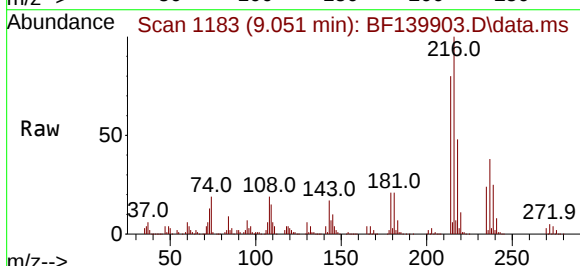
Ion Ratio Lower Upper

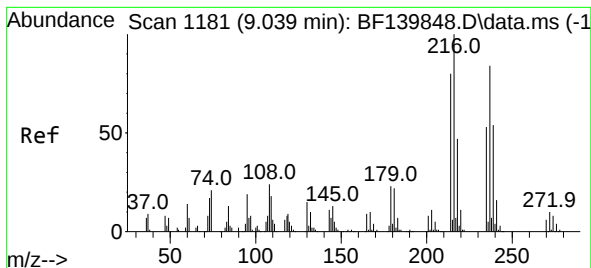
216 100

214 79.7 63.4 95.0

179 21.2 17.2 25.8

108 21.3 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 157.746 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

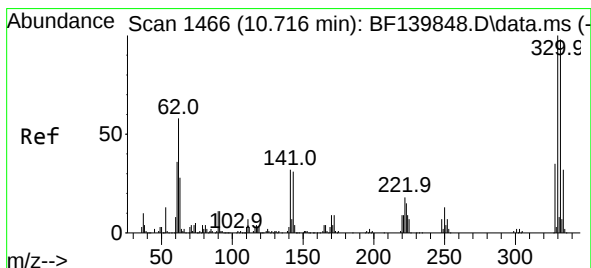
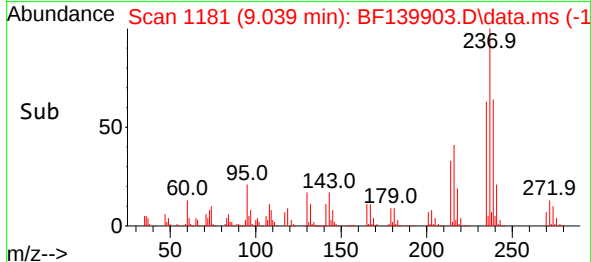
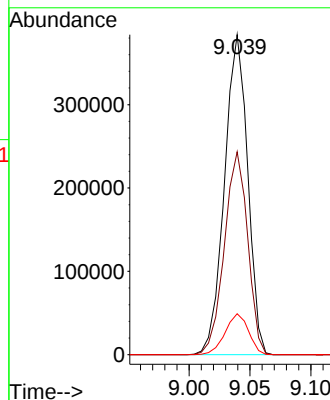
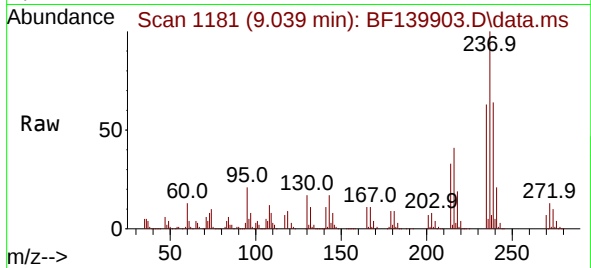
Tgt Ion:237 Resp: 509293

Ion Ratio Lower Upper

237 100

235 63.4 42.9 82.9

272 12.8 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 122.826 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

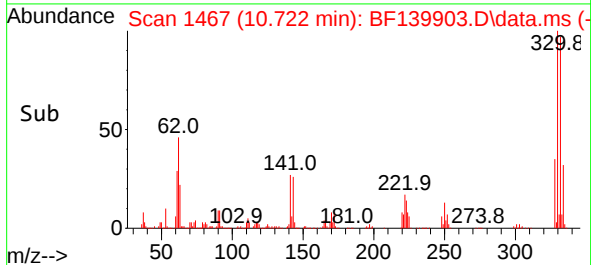
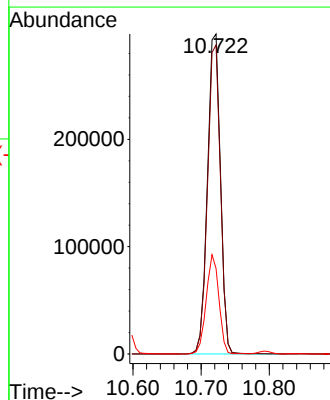
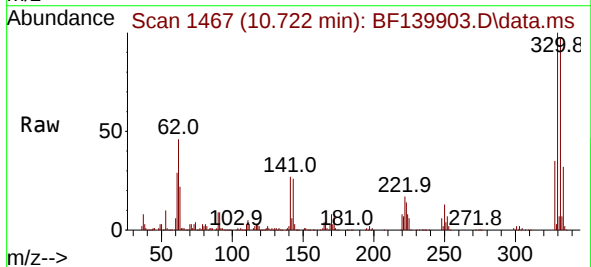
Tgt Ion:330 Resp: 395137

Ion Ratio Lower Upper

330 100

332 96.2 78.1 117.1

141 30.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 55.712 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

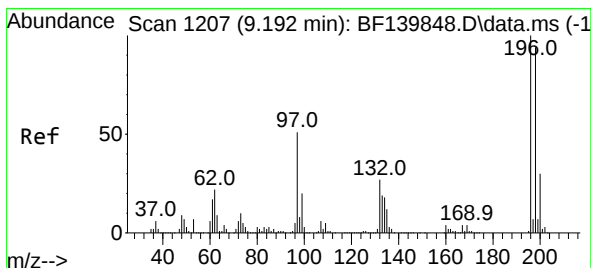
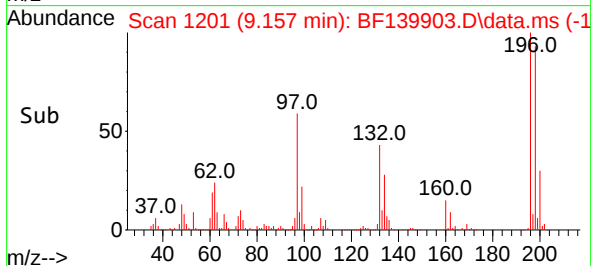
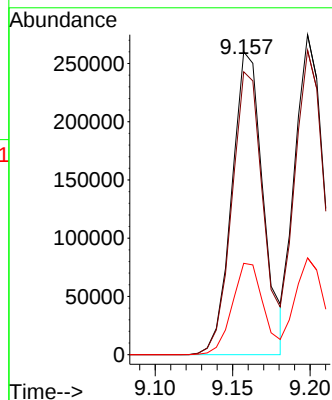
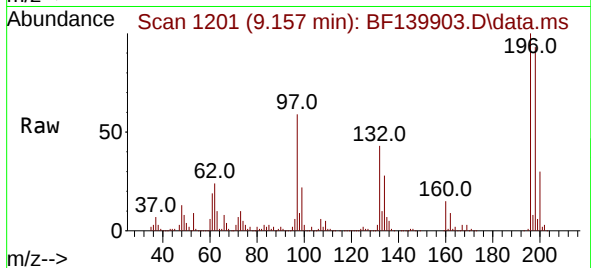
Tgt Ion:196 Resp: 365986

Ion Ratio Lower Upper

196 100

198 93.4 76.2 114.2

200 30.1 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 51.433 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Tgt Ion:196 Resp: 348599

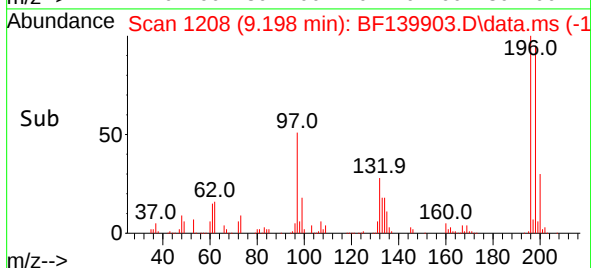
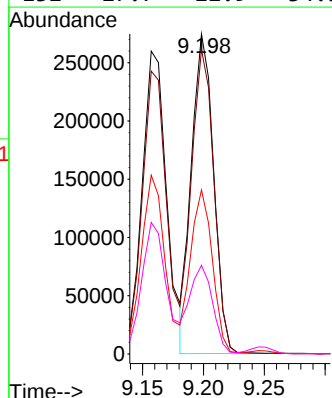
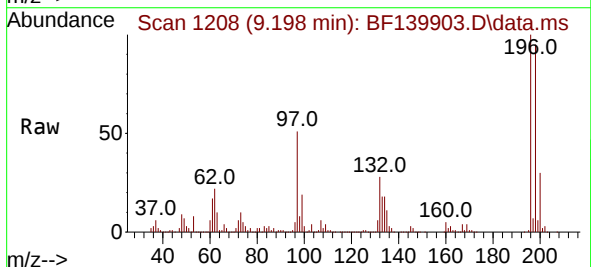
Ion Ratio Lower Upper

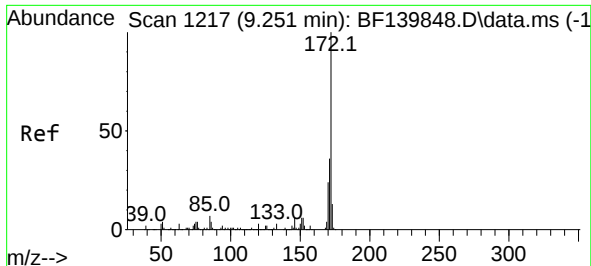
196 100

198 95.1 75.8 113.6

97 51.2 41.8 62.6

132 27.7 22.9 34.3

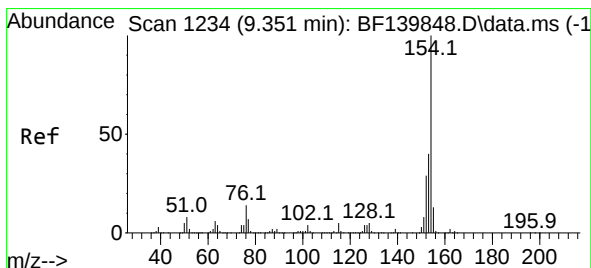
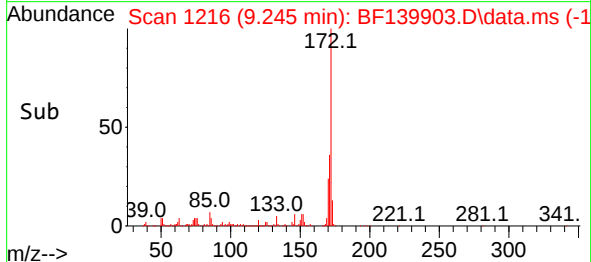
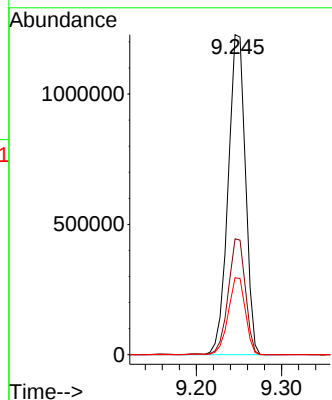
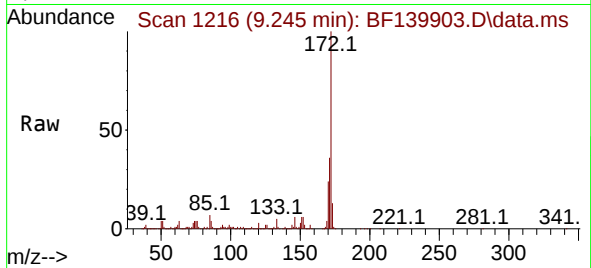




#45
2-Fluorobiphenyl
Concen: 83.046 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

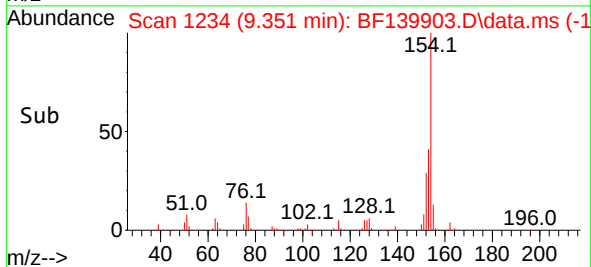
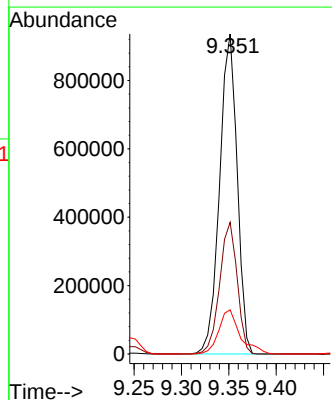
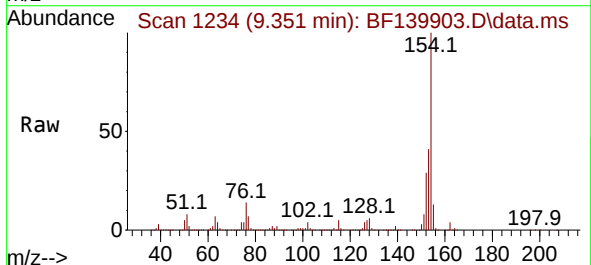
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

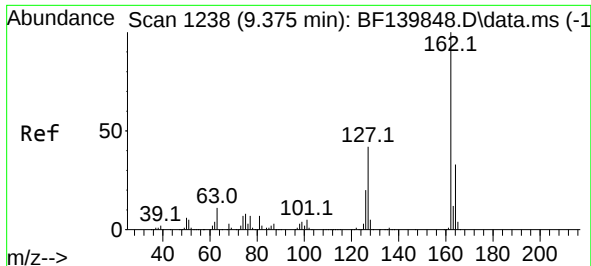
Tgt Ion:172 Resp: 1728221
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.1 19.1 28.7



#46
1,1'-Biphenyl
Concen: 50.443 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:154 Resp: 1207748
Ion Ratio Lower Upper
154 100
153 41.2 20.3 60.3
76 13.8 0.0 33.9

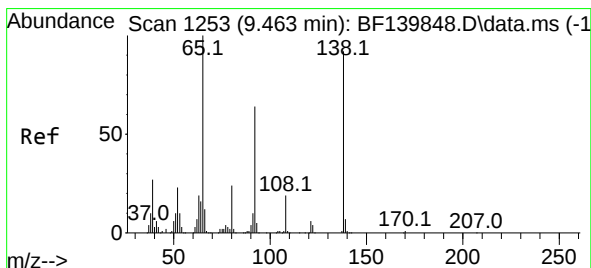
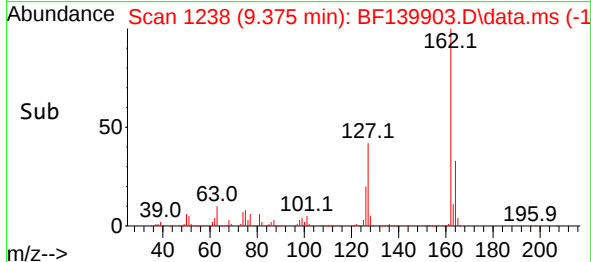
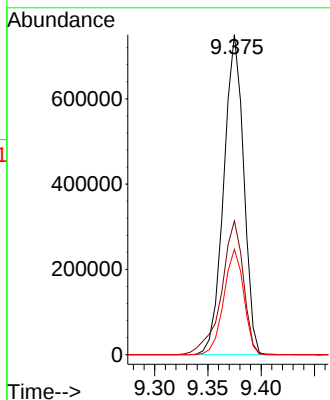
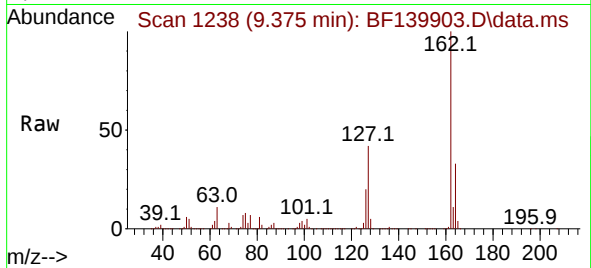




#47
2-Chloronaphthalene
Concen: 50.662 ng
RT: 9.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

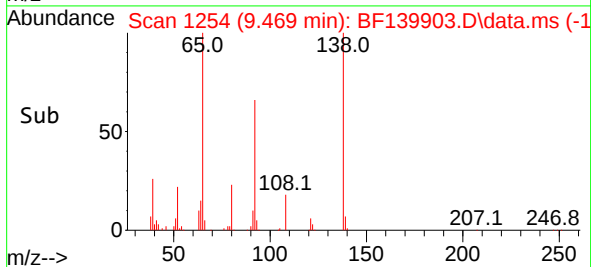
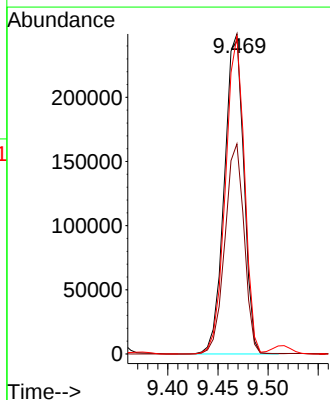
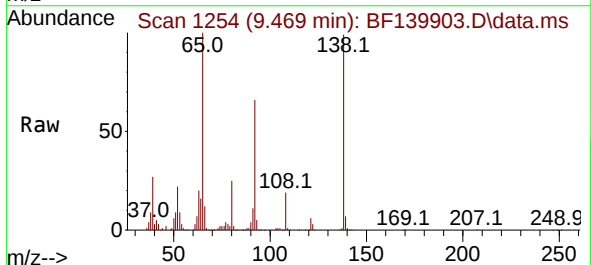
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:162 Resp: 976951
Ion Ratio Lower Upper
162 100
127 41.8 33.8 50.6
164 33.0 26.6 39.8



#48
2-Nitroaniline
Concen: 56.945 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion: 65 Resp: 335852
Ion Ratio Lower Upper
65 100
92 65.7 50.9 76.3
138 99.3 73.4 110.0

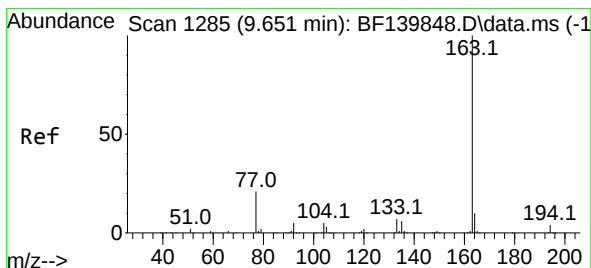
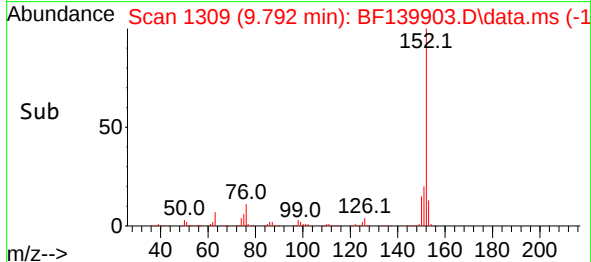
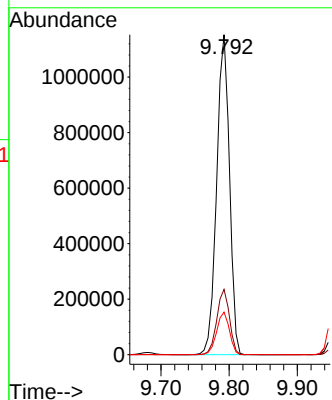
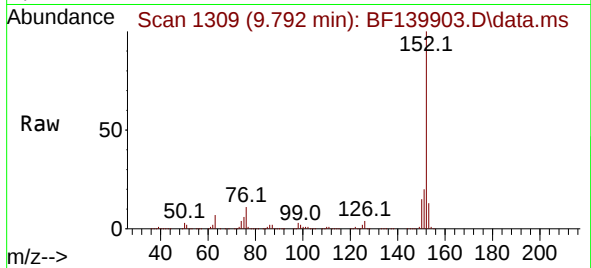




#49
Acenaphthylene
Concen: 53.998 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

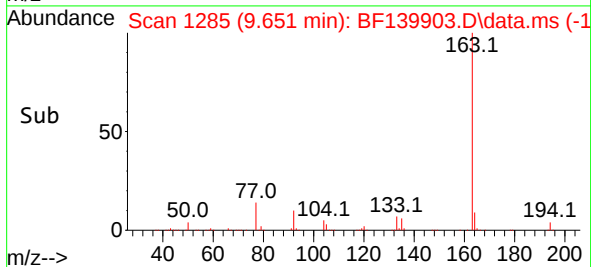
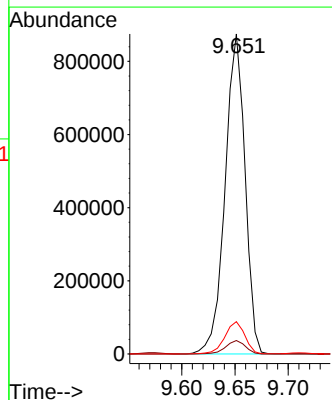
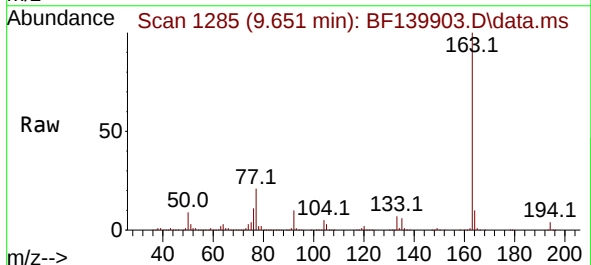
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

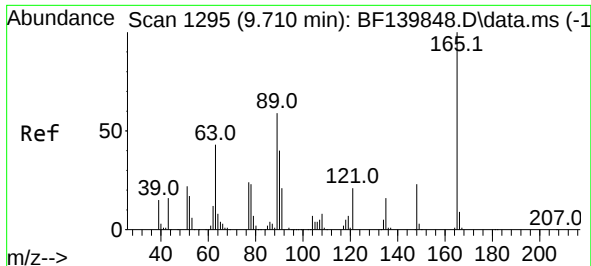
Tgt Ion:152 Resp: 1505400
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.3 10.7 16.1



#50
Dimethylphthalate
Concen: 53.134 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:163 Resp: 1138290
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.1 8.2 12.2

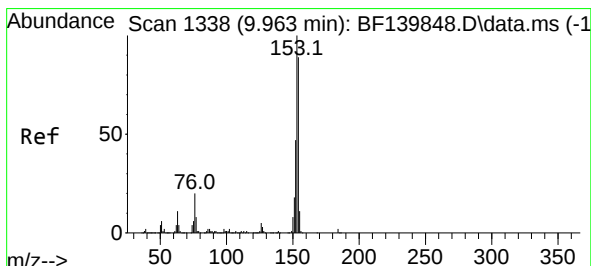
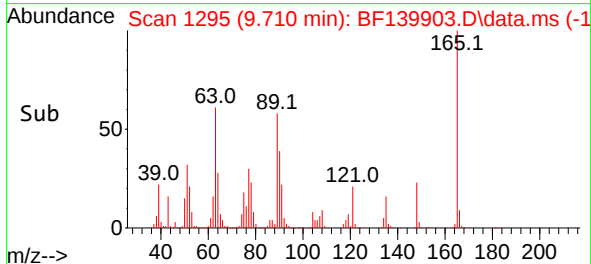
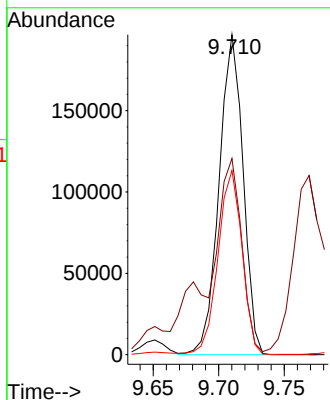
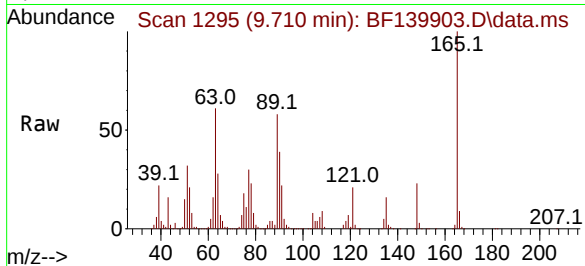




#51
2,6-Dinitrotoluene
Concen: 53.943 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

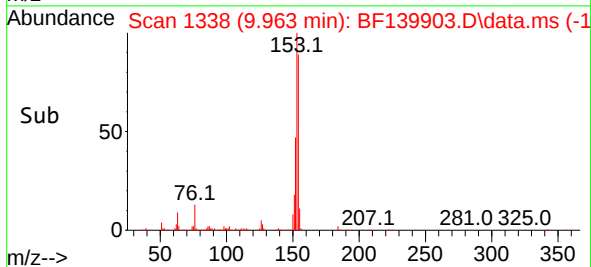
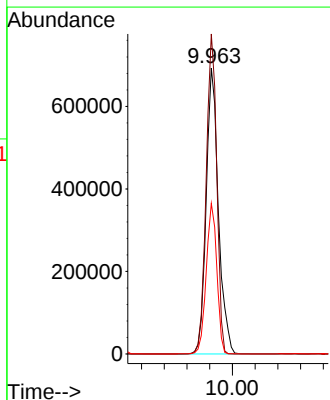
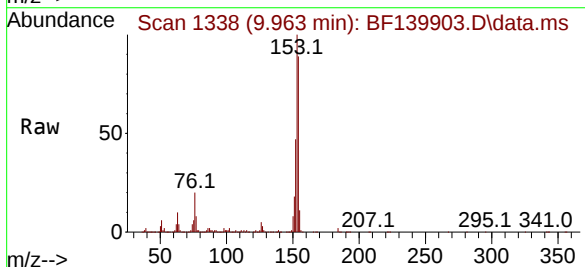
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

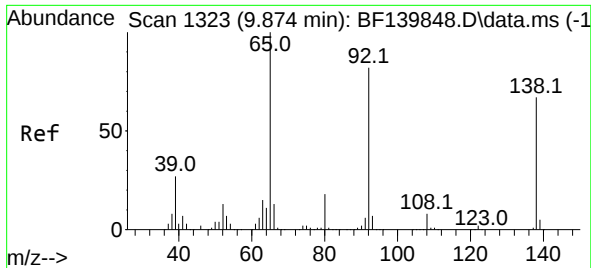
Tgt Ion:165 Resp: 250213
Ion Ratio Lower Upper
165 100
63 61.3 50.6 75.8
89 57.6 47.5 71.3



#52
Acenaphthene
Concen: 57.193 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:154 Resp: 1031445
Ion Ratio Lower Upper
154 100
153 111.9 89.8 134.6
152 52.7 42.4 63.6

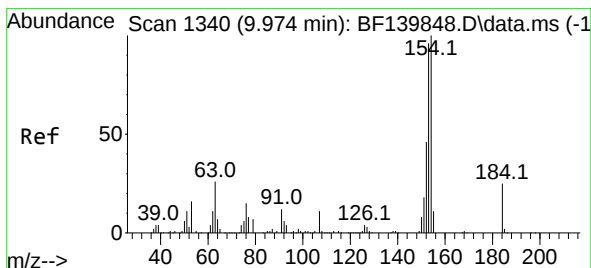
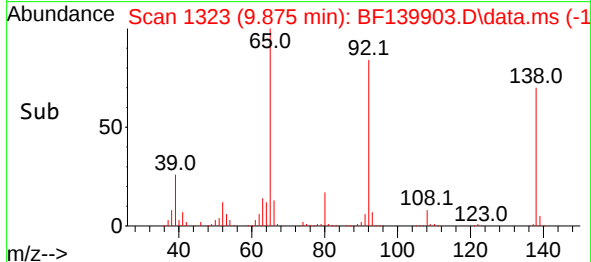
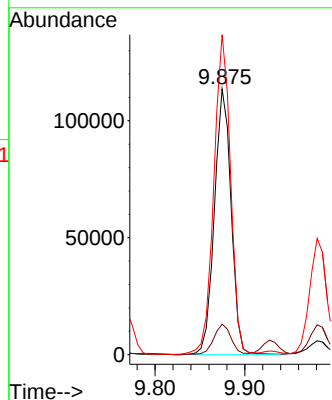
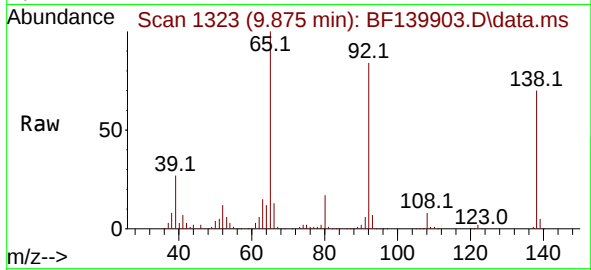




#53
3-Nitroaniline
Concen: 30.770 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

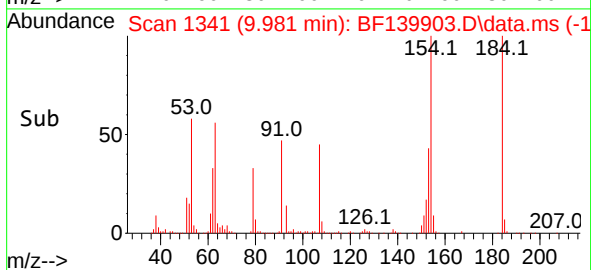
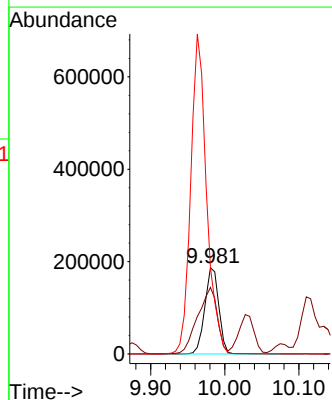
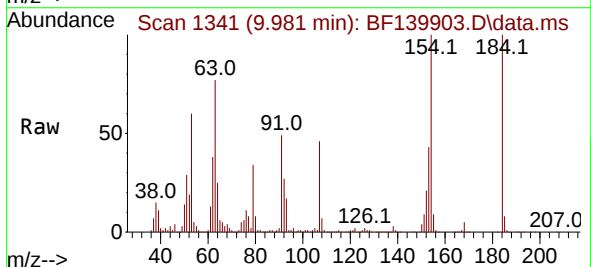
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

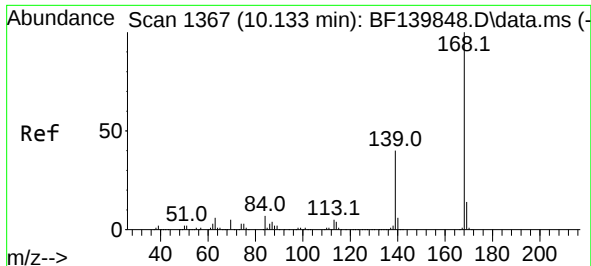
Tgt Ion:138 Resp: 147184
Ion Ratio Lower Upper
138 100
108 11.5 10.2 15.2
92 120.4 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 123.246 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:184 Resp: 244925
Ion Ratio Lower Upper
184 100
63 77.3 84.7 127.1#
154 100.1 338.2 507.2#

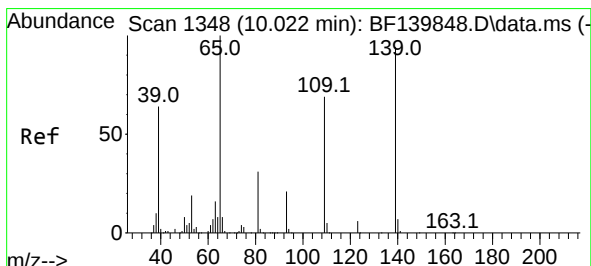
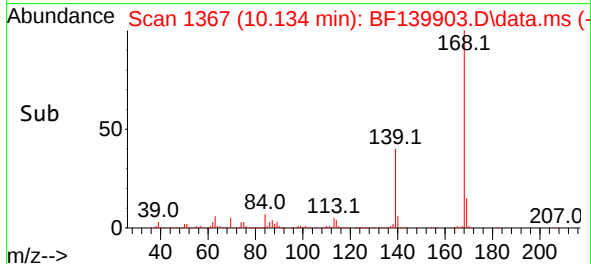
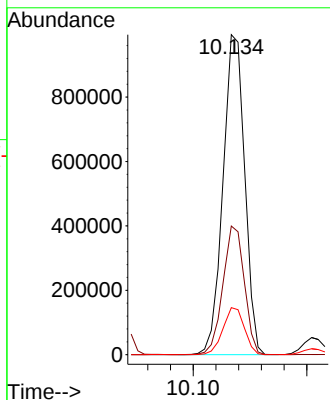
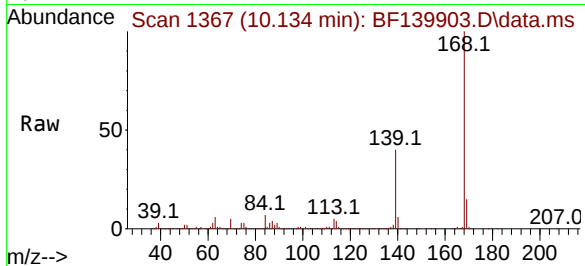




#55
Dibenzenofuran
Concen: 51.040 ng
RT: 10.134 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

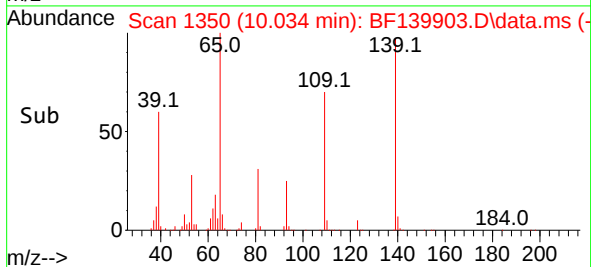
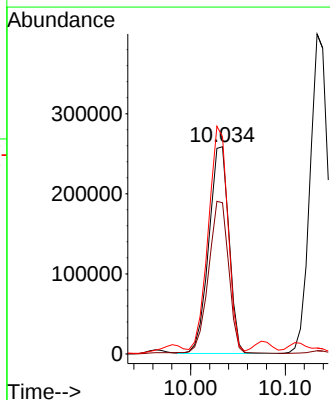
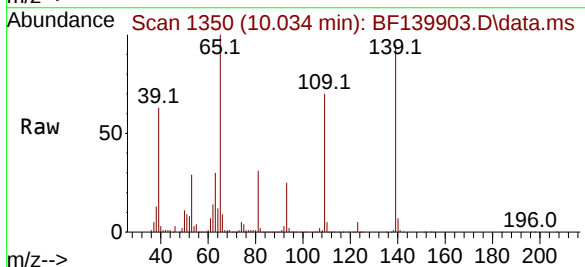
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

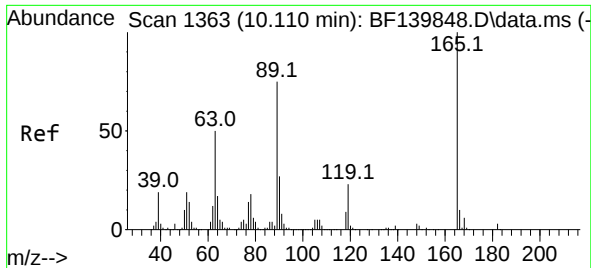
Tgt Ion:168 Resp: 1320686
Ion Ratio Lower Upper
168 100
139 40.2 31.8 47.6
169 14.7 11.6 17.4



#56
4-Nitrophenol
Concen: 103.707 ng
RT: 10.034 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:139 Resp: 381655
Ion Ratio Lower Upper
139 100
109 72.9 53.6 93.6
65 104.9 87.8 127.8

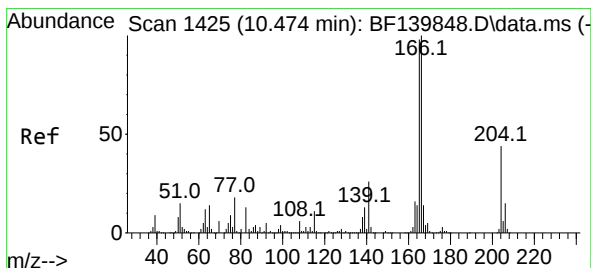
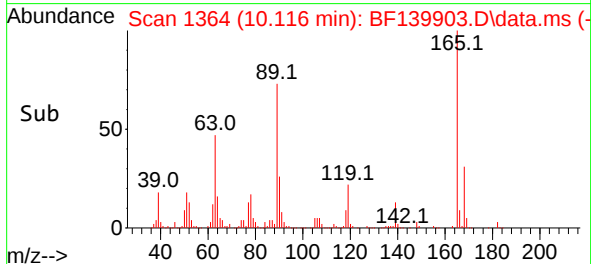
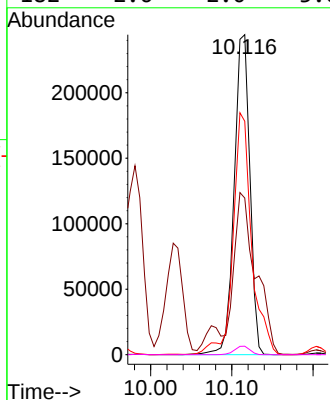
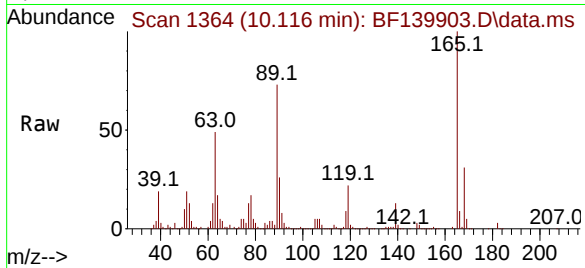




#57
2,4-Dinitrotoluene
Concen: 57.242 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

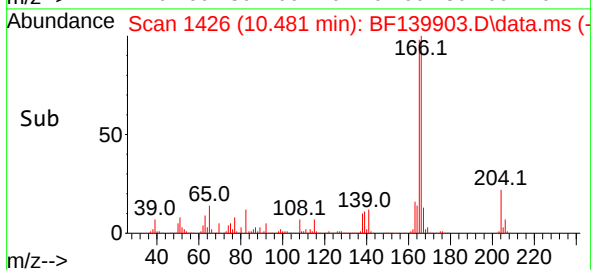
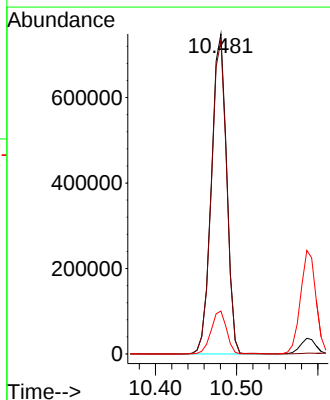
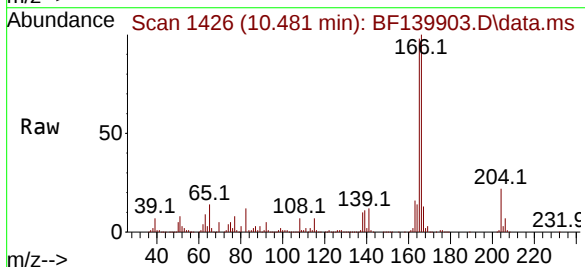
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:165 Resp: 326515
Ion Ratio Lower Upper
165 100
63 49.0 40.1 60.1
89 73.0 60.4 90.6
182 2.6 2.0 3.0



#58
Fluorene
Concen: 49.443 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:166 Resp: 974437
Ion Ratio Lower Upper
166 100
165 97.9 78.5 117.7
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 53.457 ng

RT: 10.251 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:232 Resp: 284032

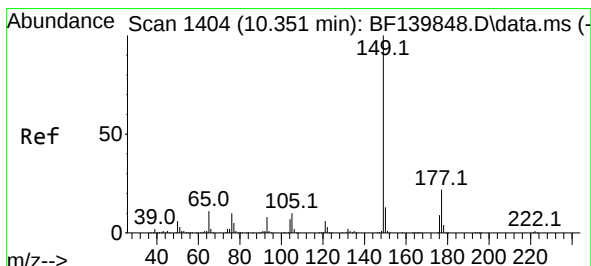
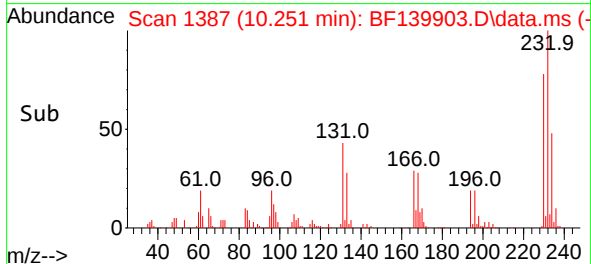
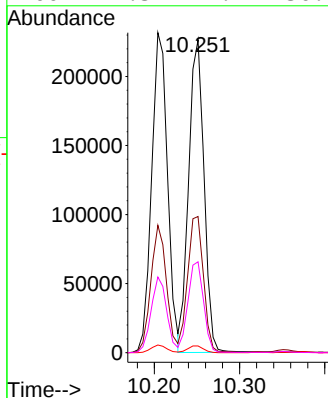
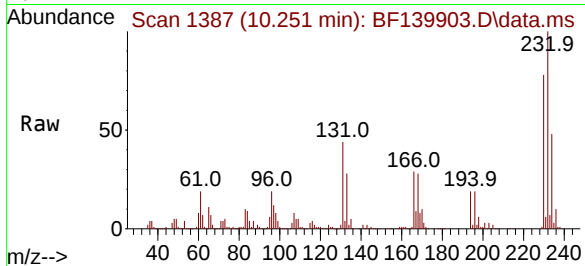
Ion Ratio Lower Upper

232 100

131 45.0 37.0 55.6

130 2.2 1.9 2.9

166 29.3 24.2 36.2



#60

Diethylphthalate

Concen: 51.614 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

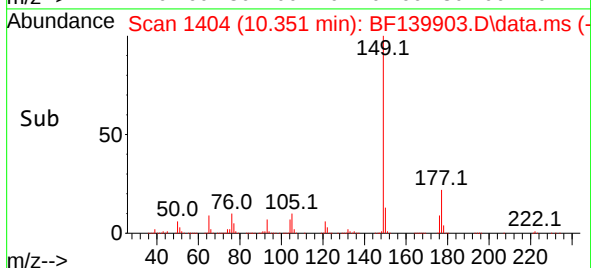
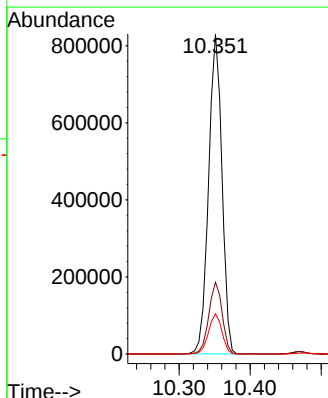
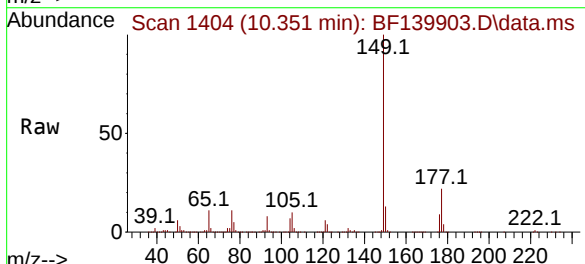
Tgt Ion:149 Resp: 1085654

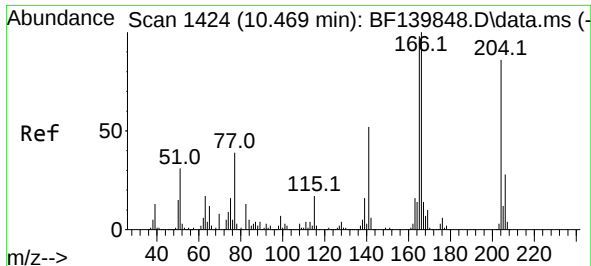
Ion Ratio Lower Upper

149 100

177 22.4 17.9 26.9

150 12.6 10.1 15.1

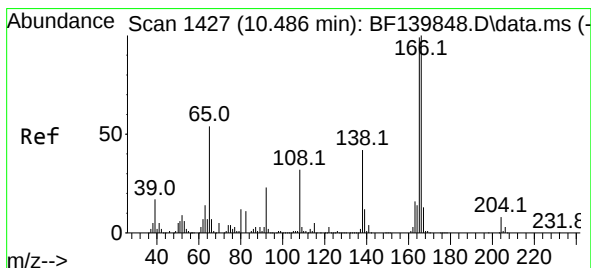
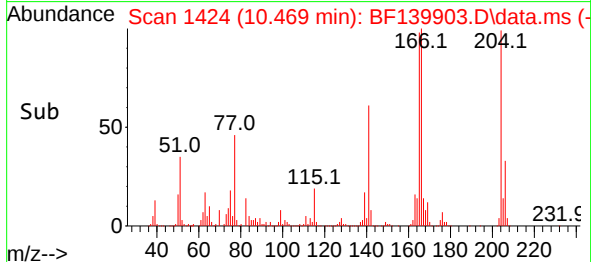
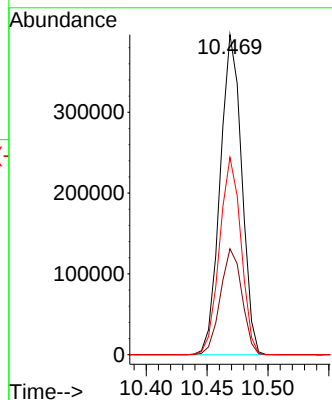
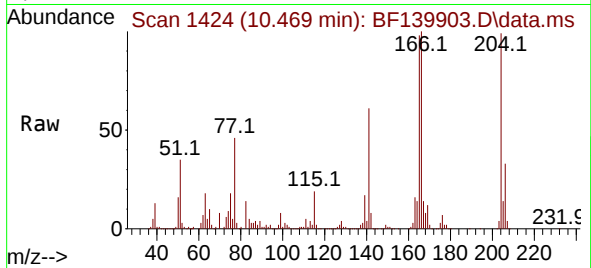




#61
4-Chlorophenyl-phenylether
Concen: 49.077 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

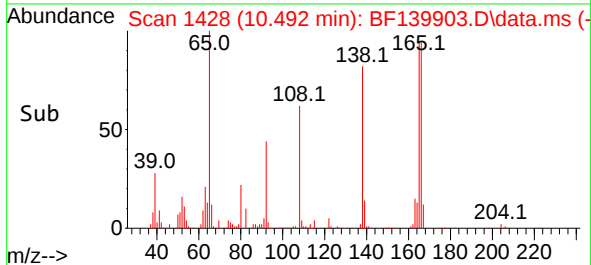
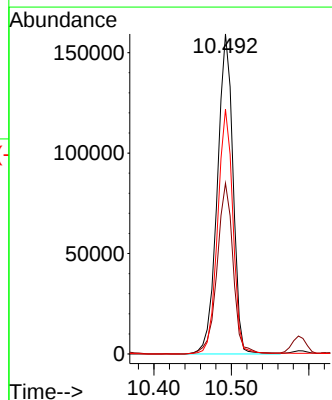
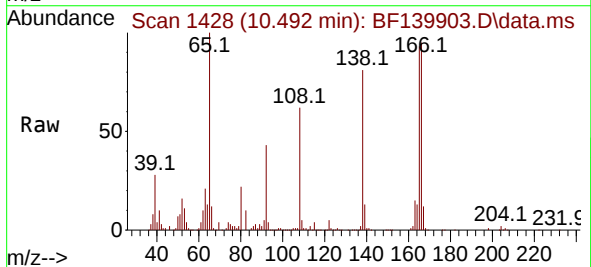
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

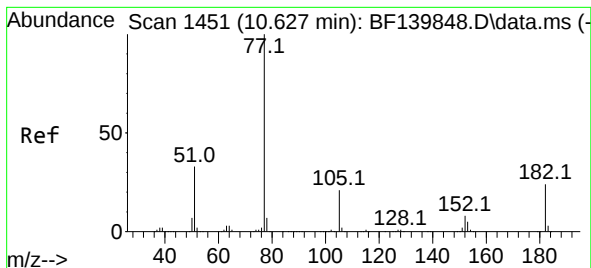
Tgt Ion:204 Resp: 488451
Ion Ratio Lower Upper
204 100
206 33.1 26.3 39.5
141 61.6 48.6 73.0



#62
4-Nitroaniline
Concen: 49.657 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:138 Resp: 224336
Ion Ratio Lower Upper
138 100
92 53.3 35.7 75.7
108 76.5 57.5 97.5





#63

Azobenzene

Concen: 60.458 ng

RT: 10.634 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion: 77 Resp: 1348180

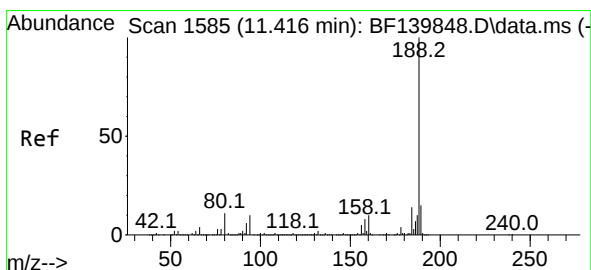
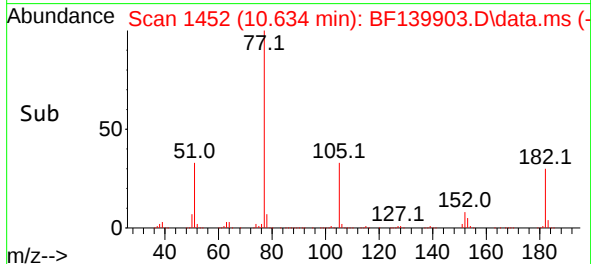
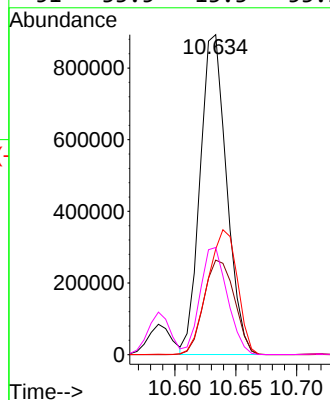
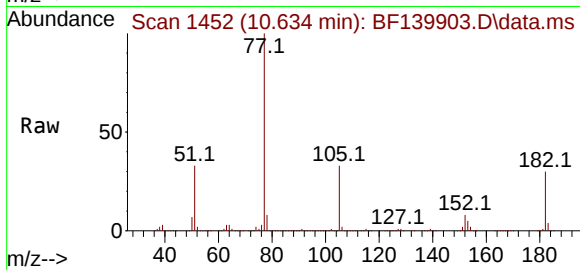
Ion Ratio Lower Upper

77 100

182 29.5 3.3 43.3

105 33.0 1.2 41.2

51 33.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

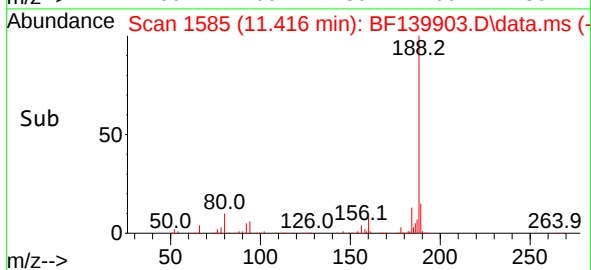
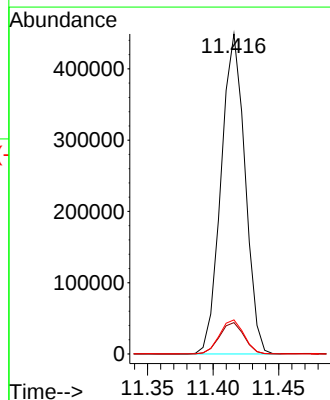
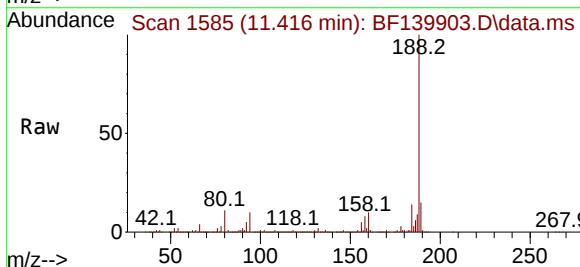
Tgt Ion:188 Resp: 570576

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

80 10.7 9.0 13.4

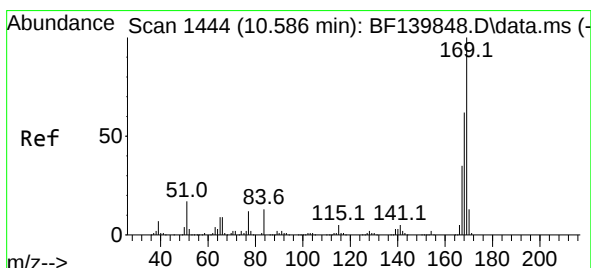
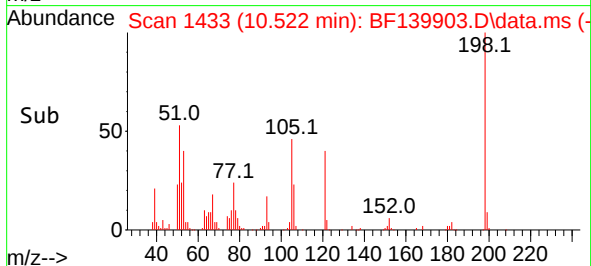
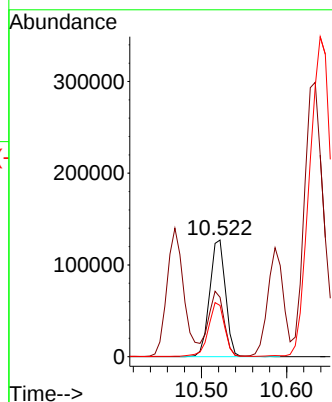
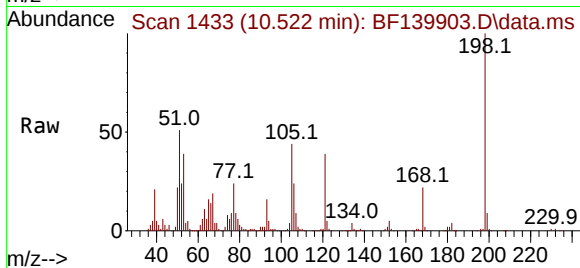




#65
4,6-Dinitro-2-methylphenol
Concen: 70.510 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

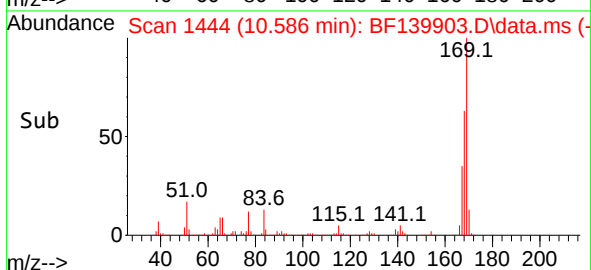
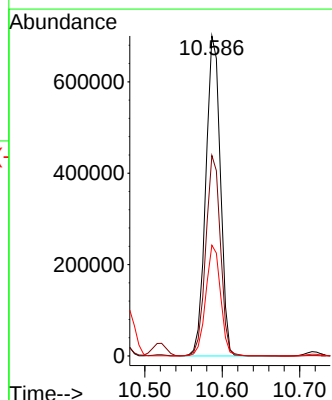
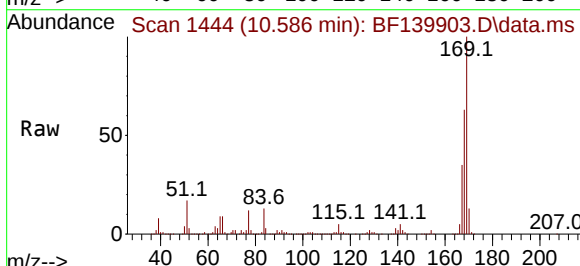
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

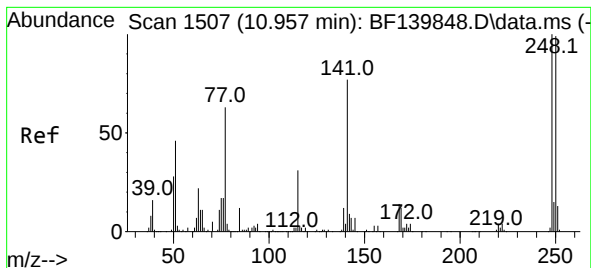
Tgt Ion:198 Resp: 164102
Ion Ratio Lower Upper
198 100
51 50.9 38.2 78.2
105 43.9 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 53.545 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:169 Resp: 914399
Ion Ratio Lower Upper
169 100
168 62.7 49.8 74.6
167 34.6 28.0 42.0

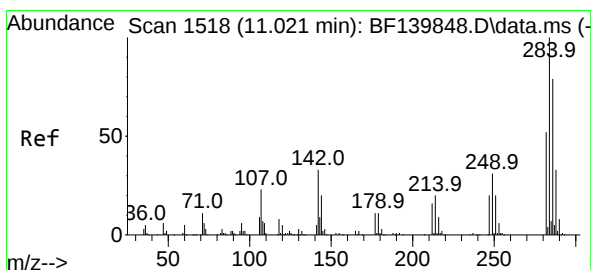
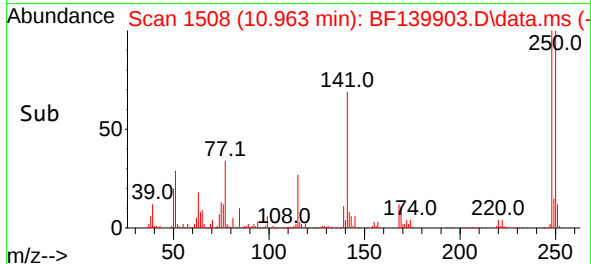
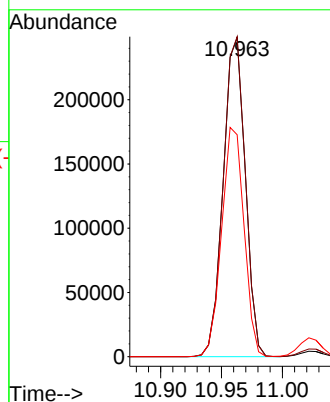
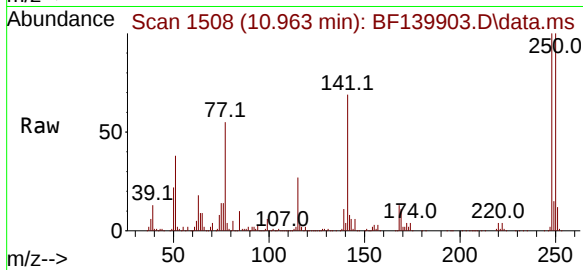




#67
4-Bromophenyl-phenylether
Concen: 53.448 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

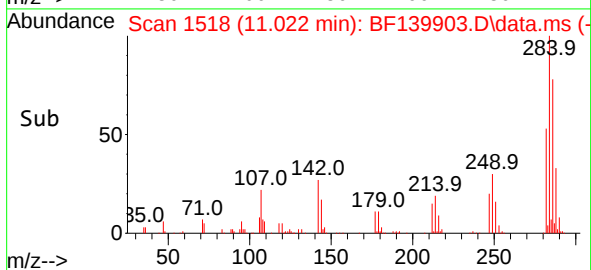
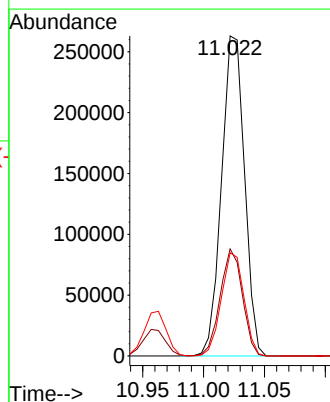
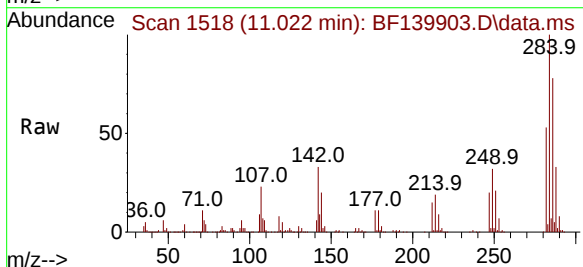
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

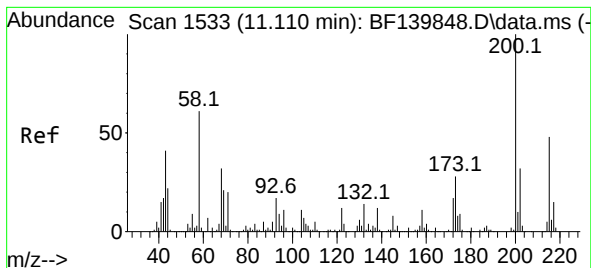
Tgt Ion:248 Resp: 314167
Ion Ratio Lower Upper
248 100
250 100.3 79.0 118.6
141 69.6 61.7 92.5



#68
Hexachlorobenzene
Concen: 52.307 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:284 Resp: 345791
Ion Ratio Lower Upper
284 100
142 33.5 26.9 40.3
249 32.3 25.3 37.9





#69

Atrazine

Concen: 61.917 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

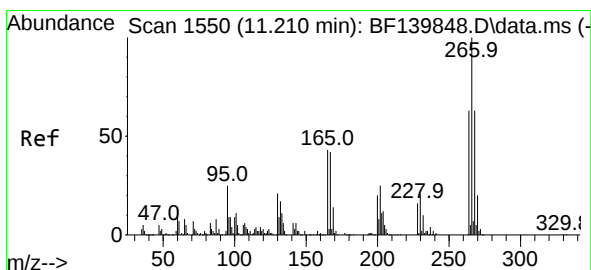
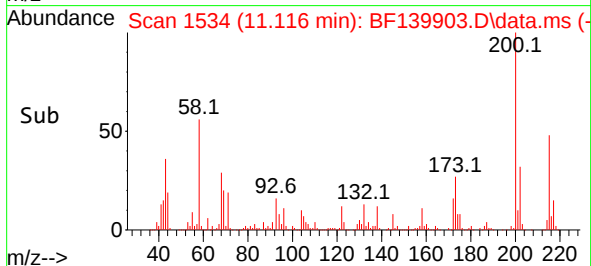
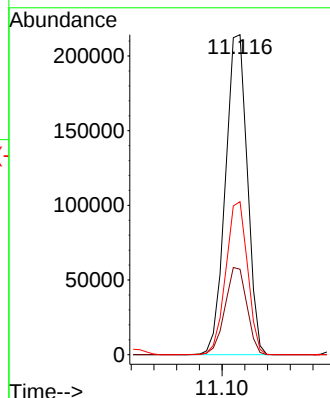
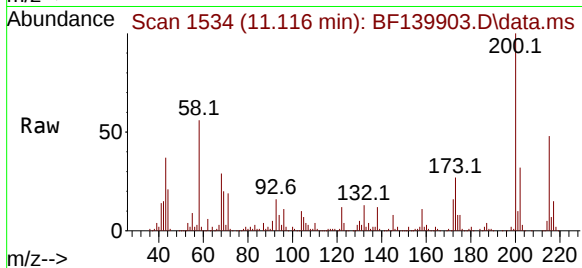
Tgt Ion:200 Resp: 286426

Ion Ratio Lower Upper

200 100

173 26.7 7.7 47.7

215 47.8 27.7 67.7



#70

Pentachlorophenol

Concen: 98.740 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

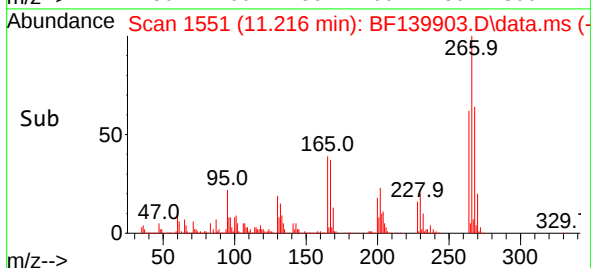
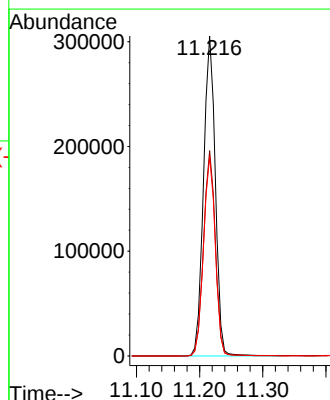
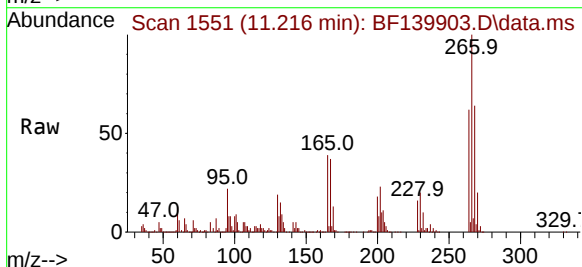
Tgt Ion:266 Resp: 396159

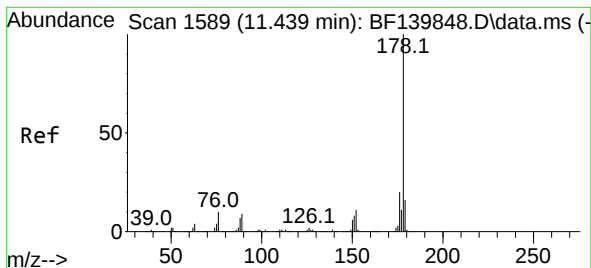
Ion Ratio Lower Upper

266 100

268 64.1 50.4 75.6

264 62.4 50.6 75.8





#71

Phenanthrene

Concen: 51.537 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

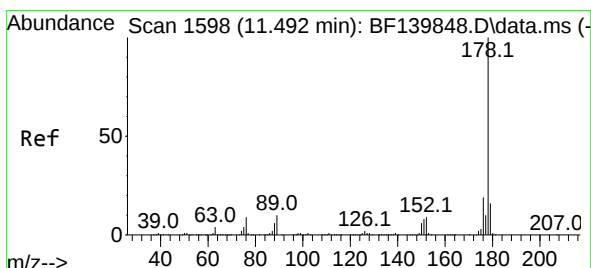
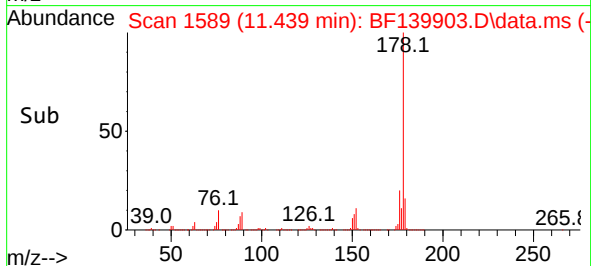
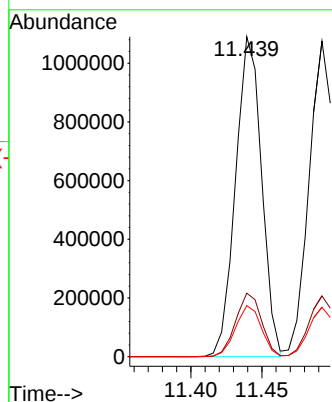
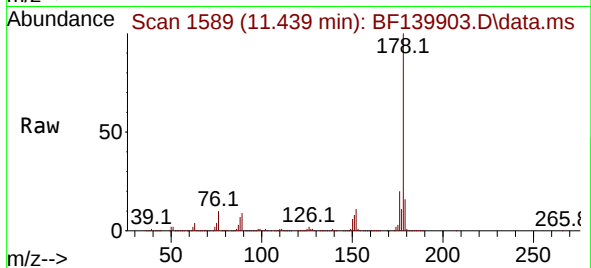
Tgt Ion:178 Resp: 1389005

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

179 15.9 12.6 18.8



#72

Anthracene

Concen: 51.634 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

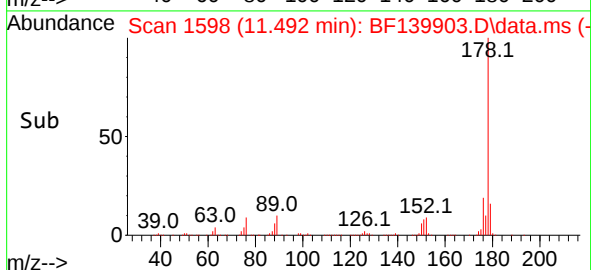
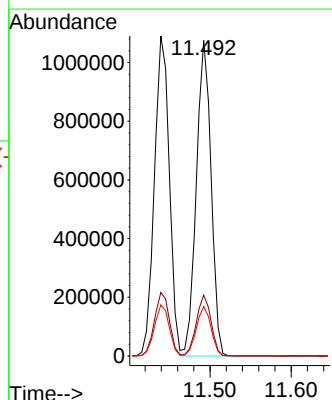
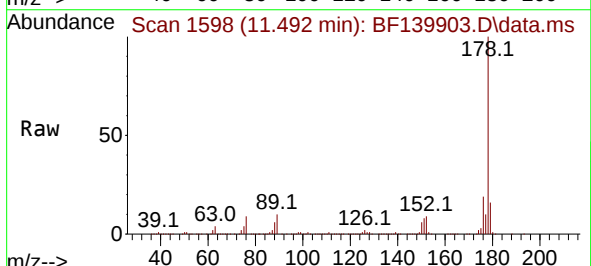
Tgt Ion:178 Resp: 1357792

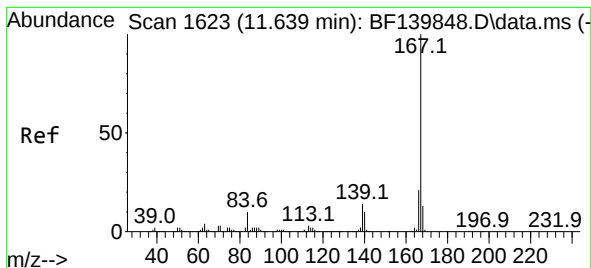
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.7 12.4 18.6





#73

Carbazole

Concen: 48.028 ng

RT: 11.645 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

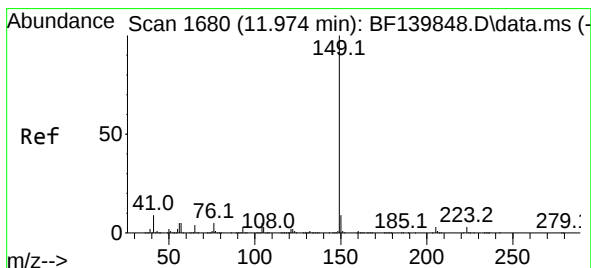
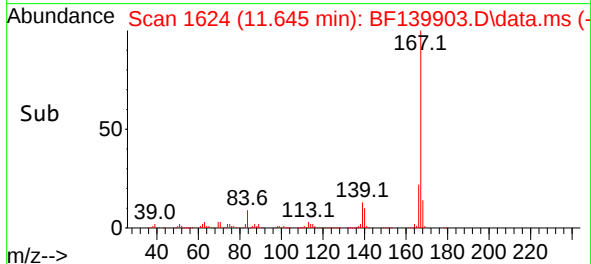
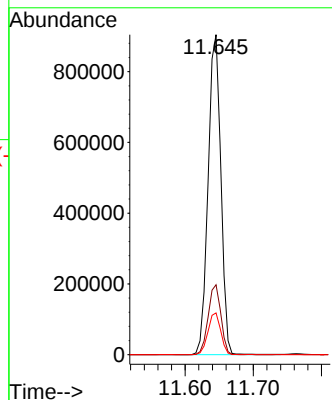
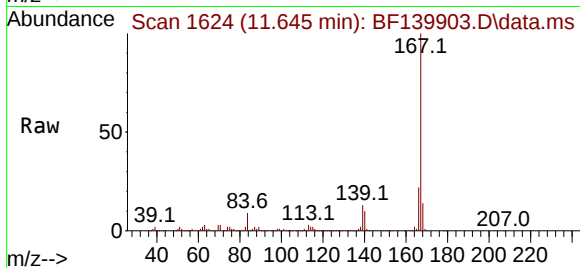
Tgt Ion:167 Resp: 1174574

Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

139 13.1 10.8 16.2



#74

Di-n-butylphthalate

Concen: 51.931 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

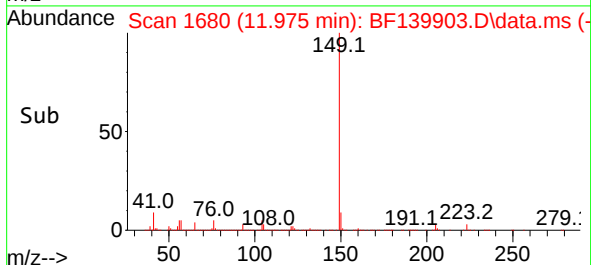
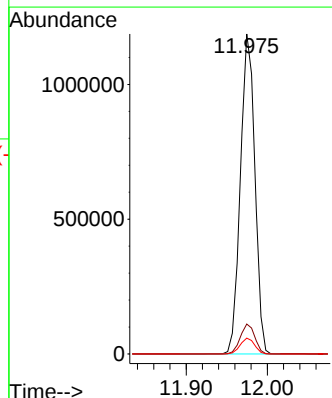
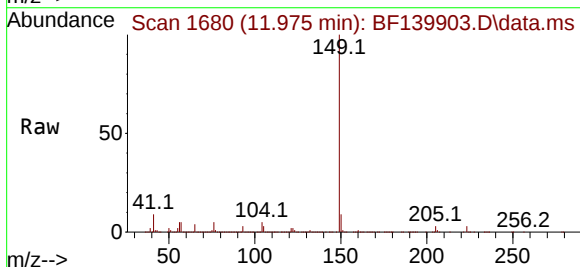
Tgt Ion:149 Resp: 1467314

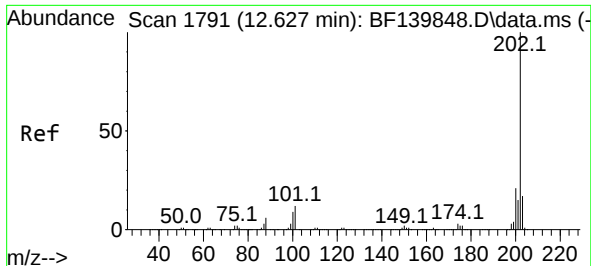
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 5.0 4.1 6.1

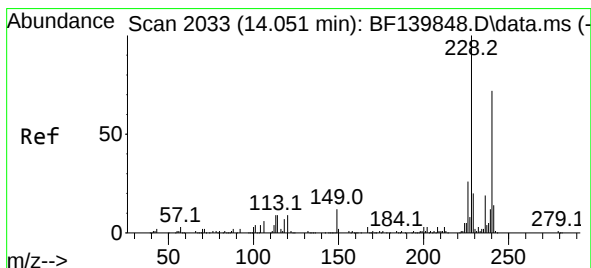
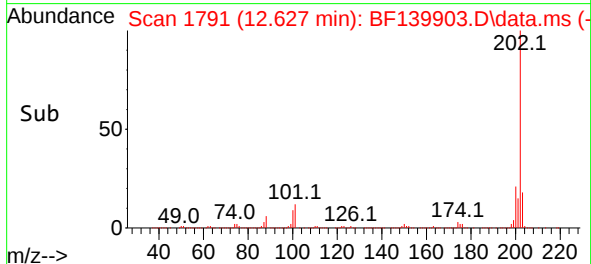
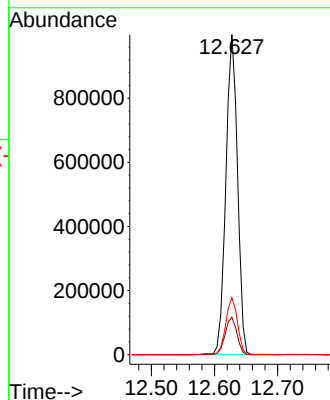
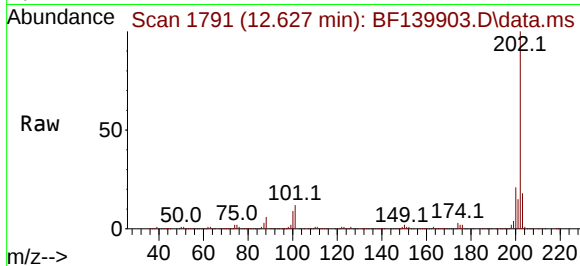




#75
Fluoranthene
Concen: 46.912 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

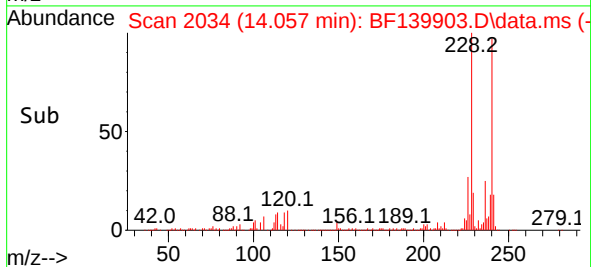
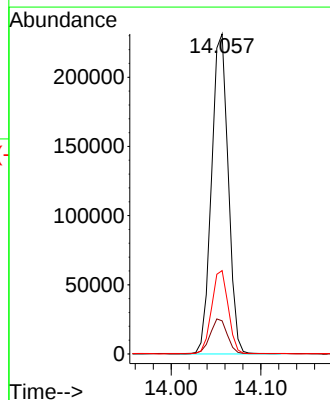
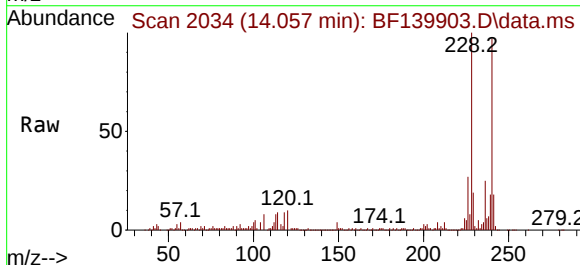
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

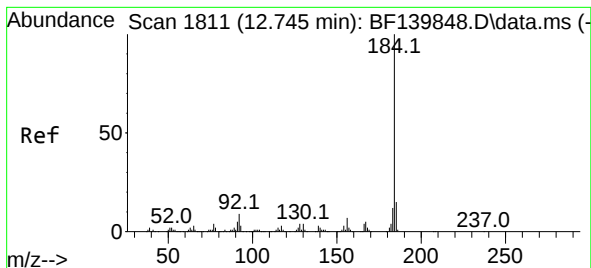
Tgt Ion:202 Resp: 1278160
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:240 Resp: 298930
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.0 20.9 31.3





#77

Benzidine

Concen: 28.330 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

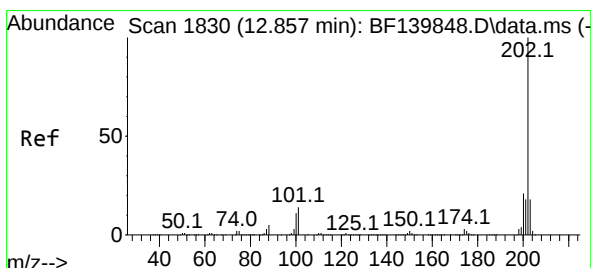
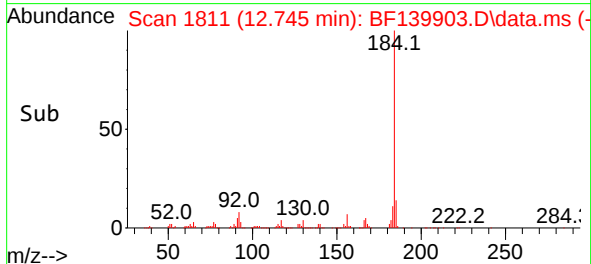
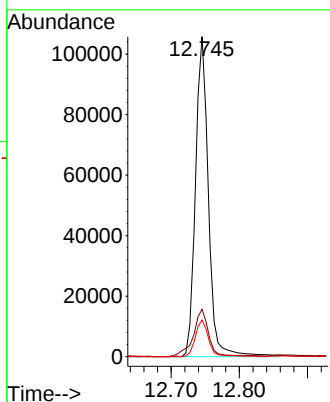
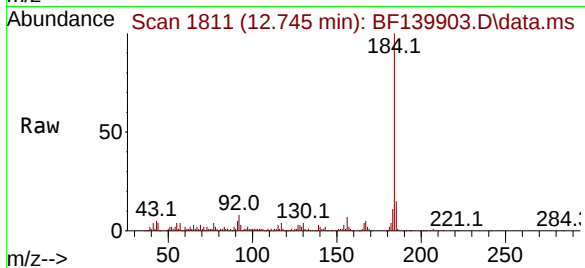
Tgt Ion:184 Resp: 139256

Ion Ratio Lower Upper

184 100

185 14.8 12.0 18.0

183 11.5 9.4 14.2



#78

Pyrene

Concen: 49.078 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

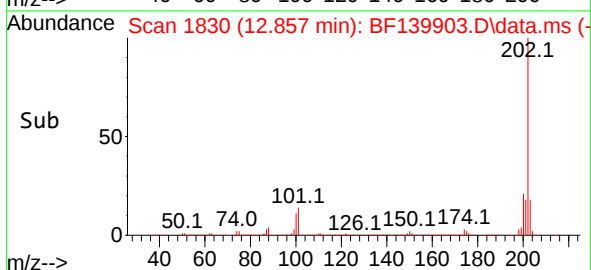
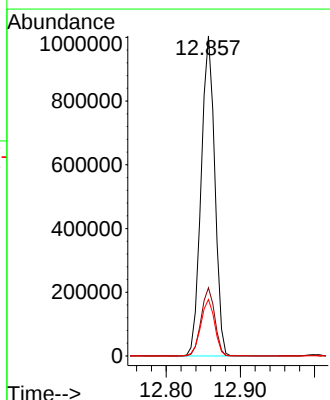
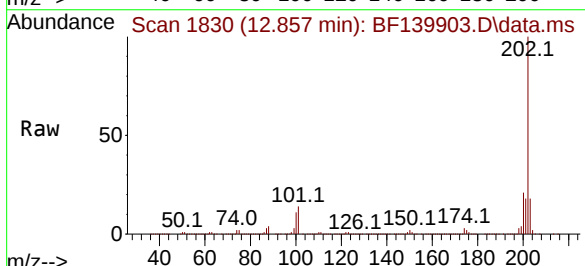
Tgt Ion:202 Resp: 1284179

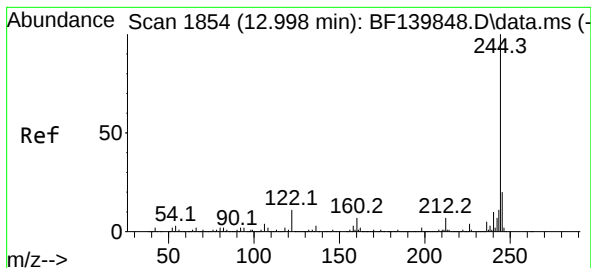
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 82.754 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

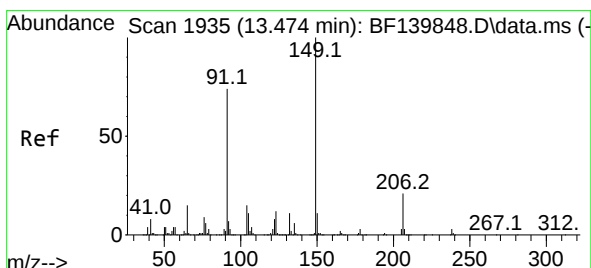
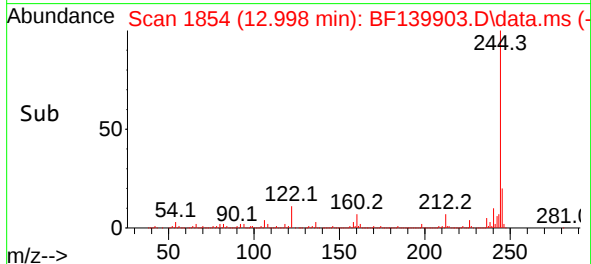
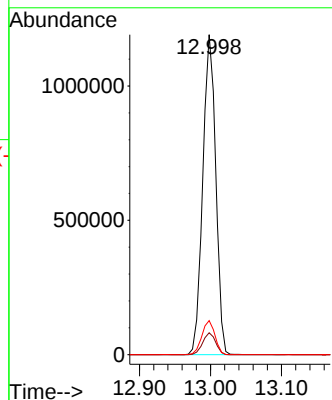
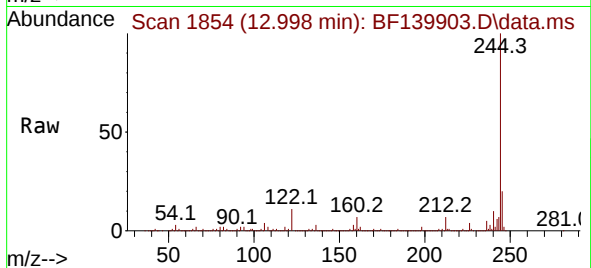
Tgt Ion:244 Resp: 1518139

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 63.465 ng

RT: 13.475 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

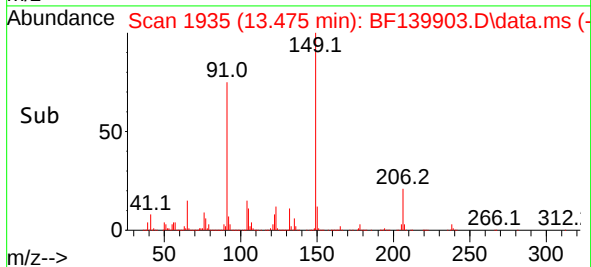
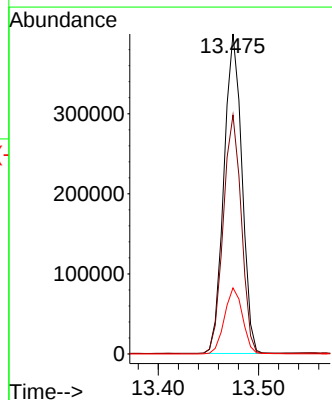
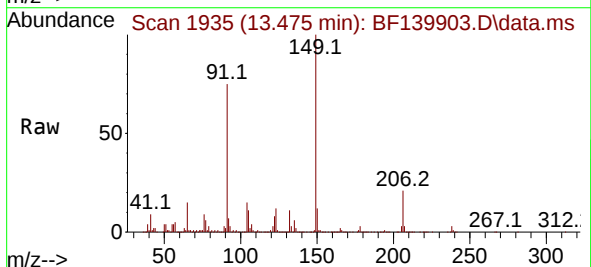
Tgt Ion:149 Resp: 497868

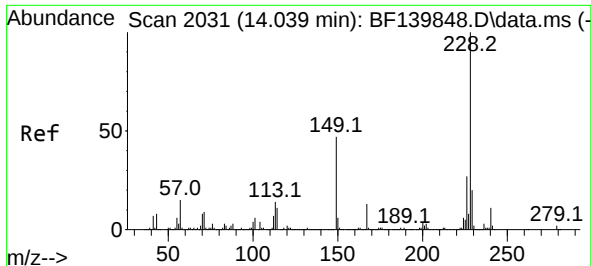
Ion Ratio Lower Upper

149 100

91 74.6 59.4 89.2

206 20.7 16.4 24.6

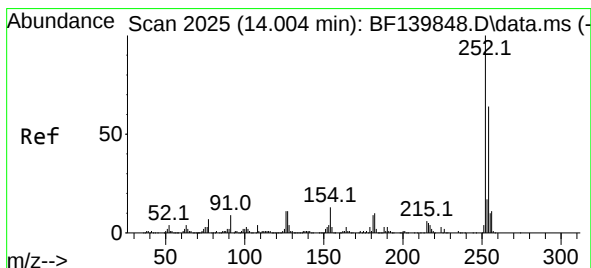
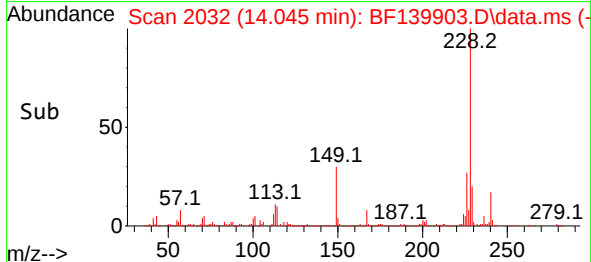
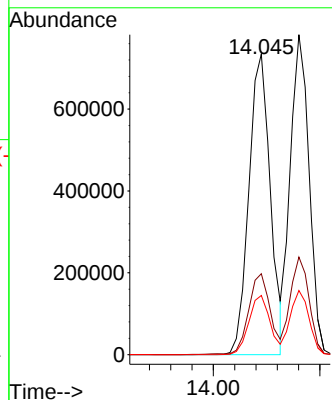
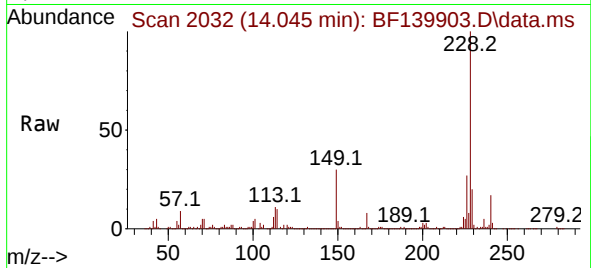




#81
Benzo(a)anthracene
Concen: 52.643 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

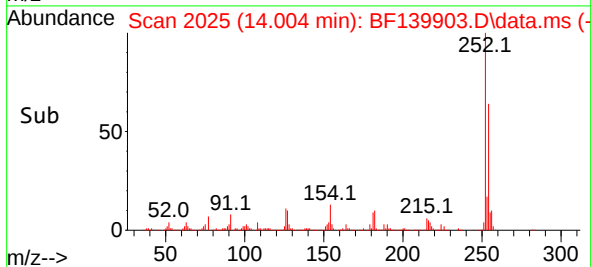
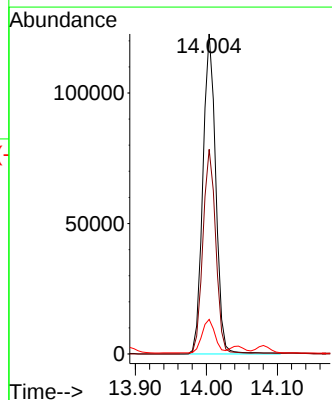
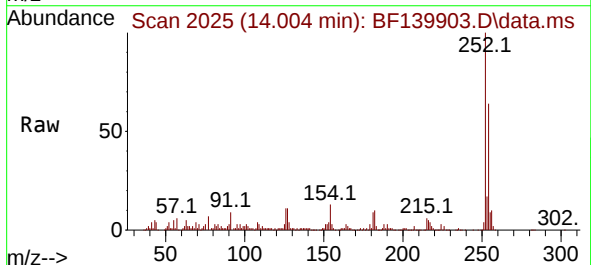
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

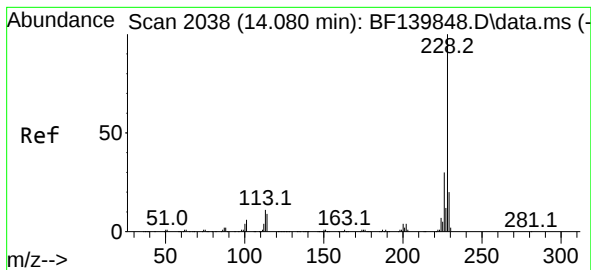
Tgt Ion:228 Resp: 1024399
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.7 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 27.354 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:252 Resp: 155200
Ion Ratio Lower Upper
252 100
254 64.0 50.8 76.2
126 10.8 8.9 13.3





#83

Chrysene

Concen: 53.677 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

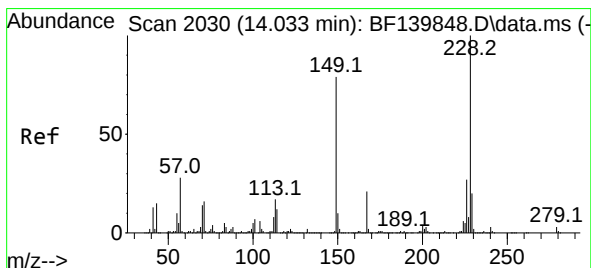
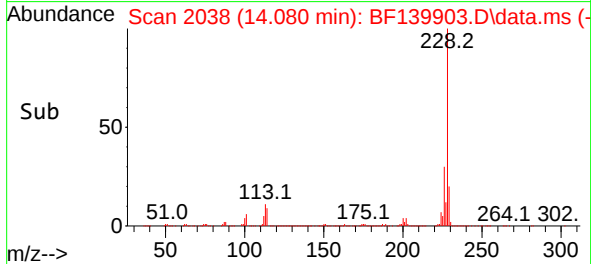
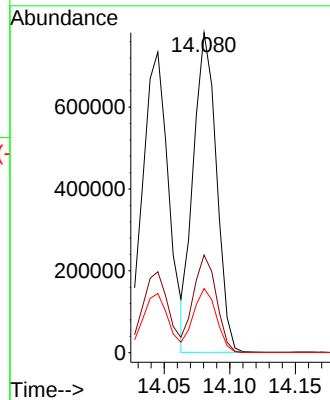
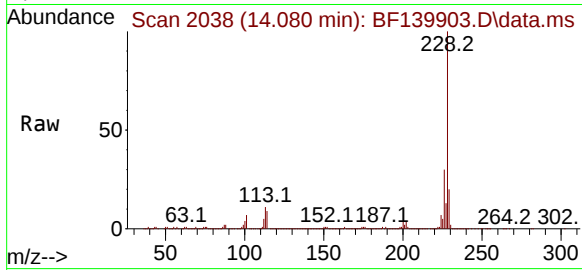
Tgt Ion:228 Resp: 957695

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 20.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 69.622 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

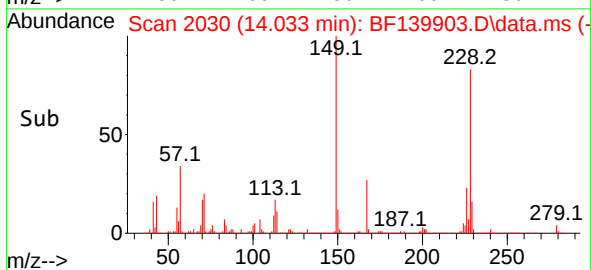
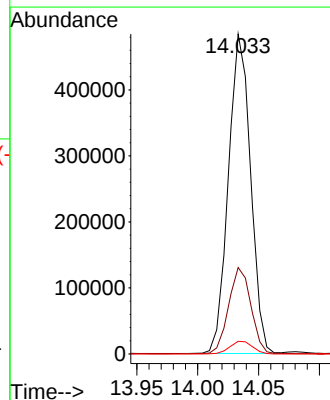
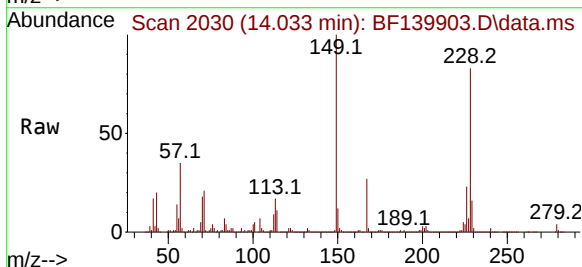
Tgt Ion:149 Resp: 612765

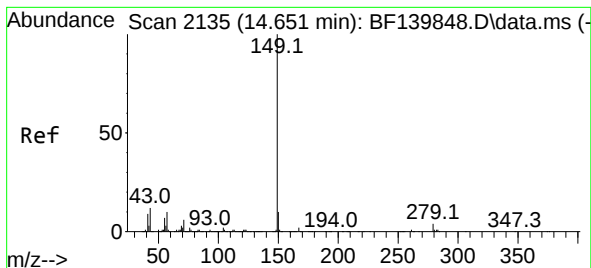
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 65.136 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

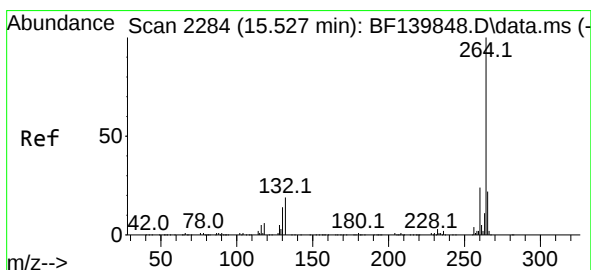
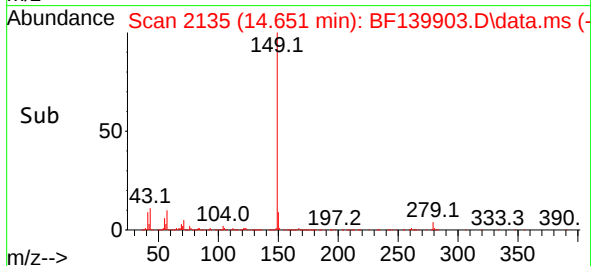
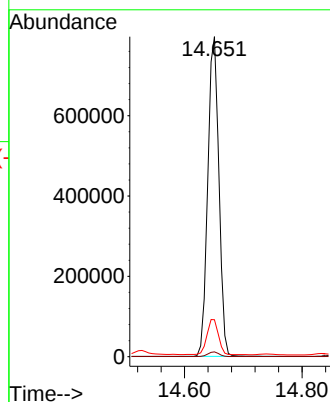
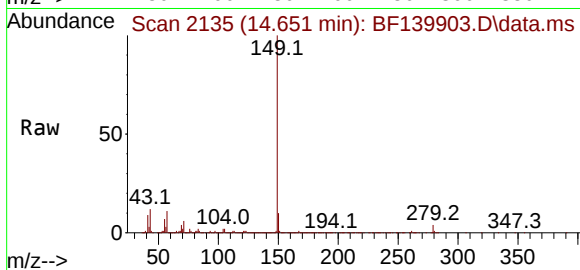
Tgt Ion:149 Resp: 1042738

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.5 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

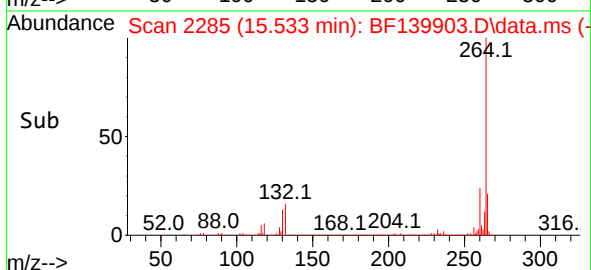
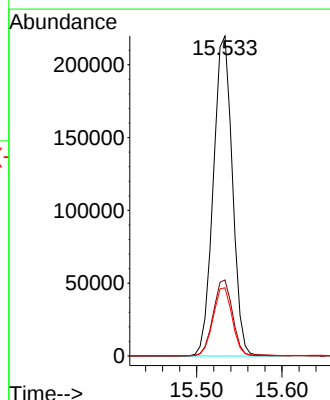
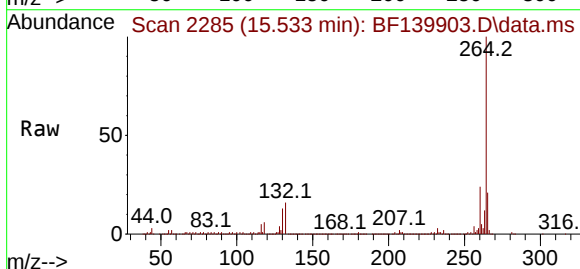
Tgt Ion:264 Resp: 341306

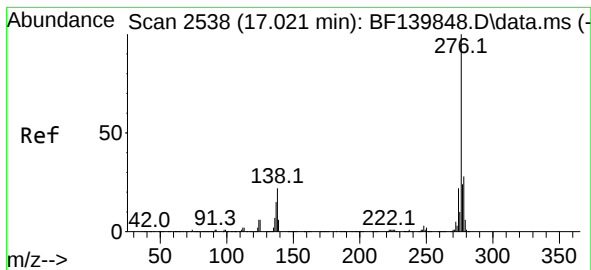
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.572 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

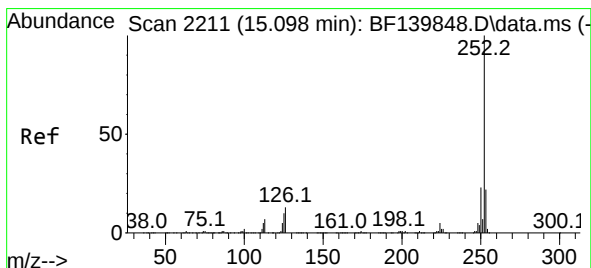
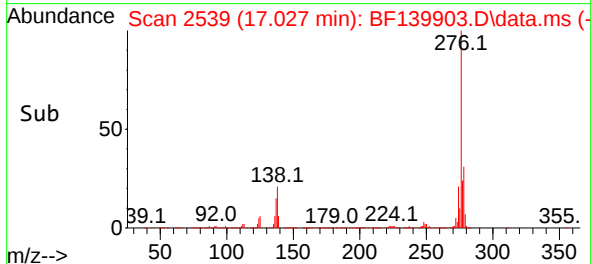
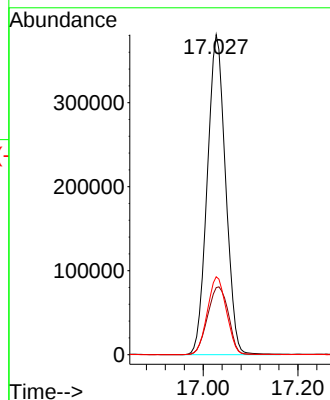
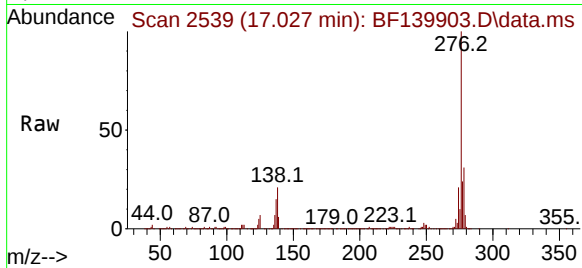
Tgt Ion:276 Resp: 1022588

Ion Ratio Lower Upper

276 100

138 24.0 20.4 30.6

277 25.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 53.915 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

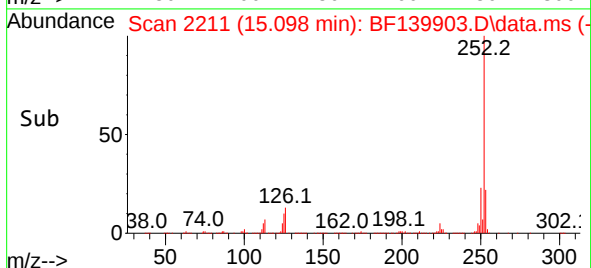
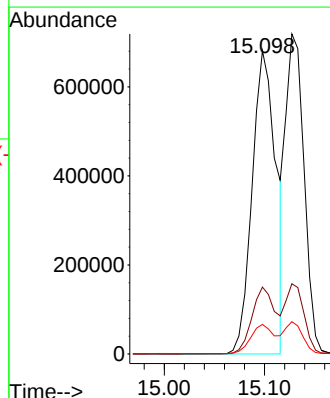
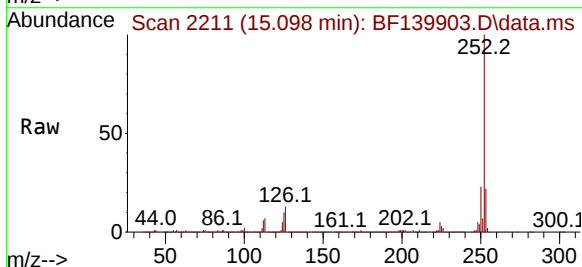
Tgt Ion:252 Resp: 1120950

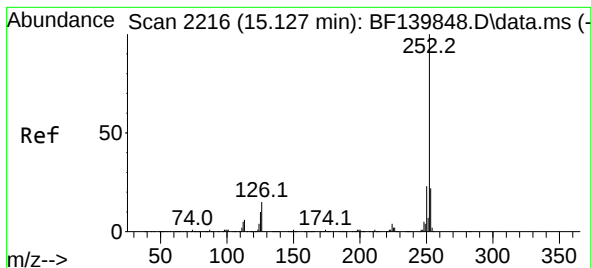
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 51.117 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

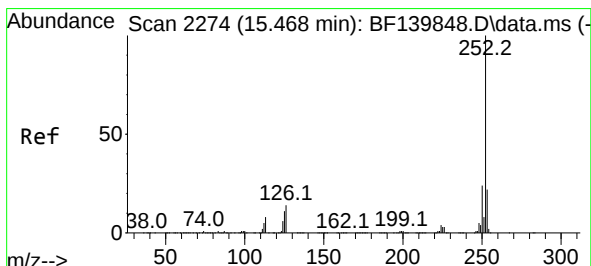
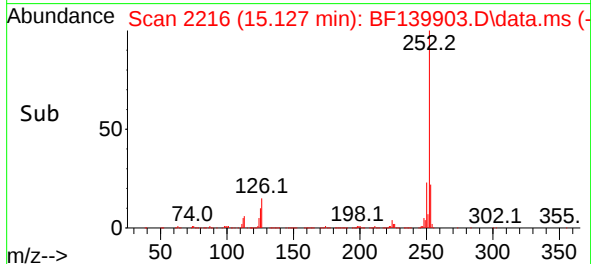
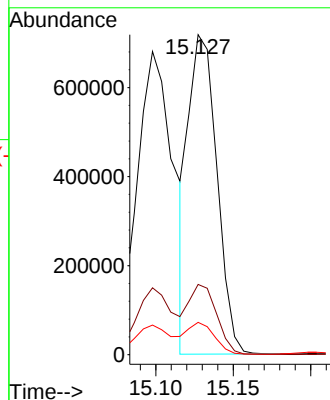
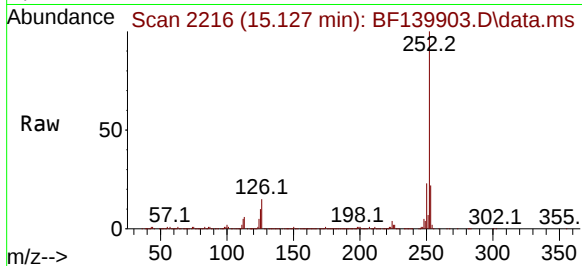
Tgt Ion:252 Resp: 916543

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.1 7.9 11.9



#90

Benzo(a)pyrene

Concen: 57.157 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

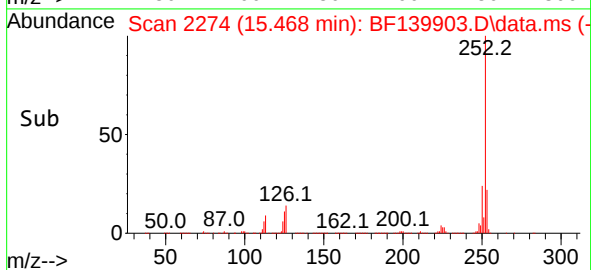
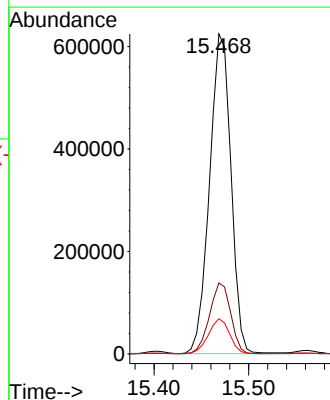
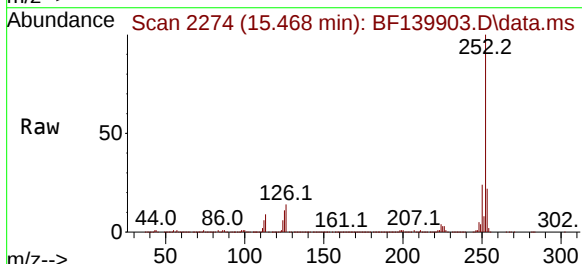
Tgt Ion:252 Resp: 977805

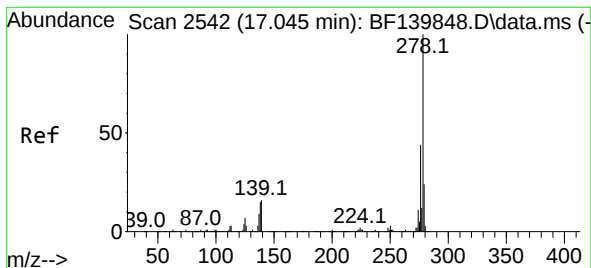
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.0 8.7 13.1

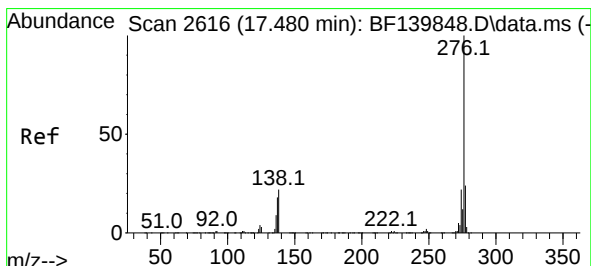
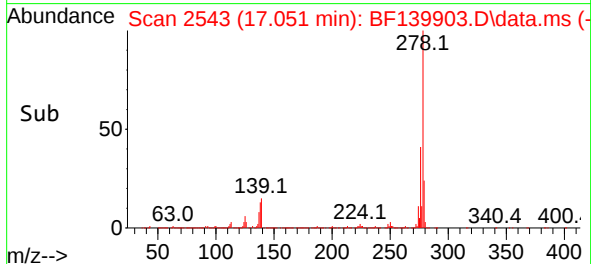
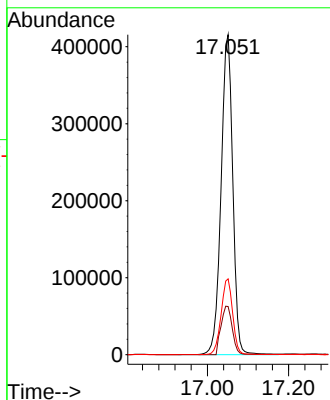
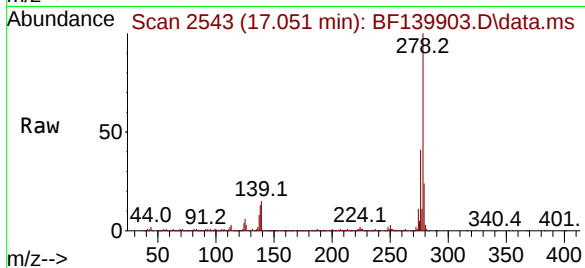




#91
Dibenzo(a,h)anthracene
Concen: 45.653 ng
RT: 17.051 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:278 Resp: 836229
Ion Ratio Lower Upper
278 100
139 15.1 13.1 19.7
279 23.7 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 40.243 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:276 Resp: 736293
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 21.0 17.4 26.0

