

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140958.D
 Acq On : 20 Dec 2024 18:32
 Operator : RC/JU
 Sample : P5330-04MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5MSD

Quant Time: Dec 20 21:59:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	54541	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	203503	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	117560	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	214958	20.000	ng	0.00
76) Chrysene-d12	14.033	240	153902	20.000	ng	0.00
86) Perylene-d12	15.527	264	129644	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	507925	153.304	ng	0.02
7) Phenol-d6	6.510	99	635980	144.925	ng	0.01
23) Nitrobenzene-d5	7.422	82	428230	105.280	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	215198	154.774	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	866629	101.351	ng	0.00
79) Terphenyl-d14	12.963	244	1006364	103.111	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	61836	43.330	ng	# 83
3) Pyridine	3.569	79	141360	42.772	ng	99
4) n-Nitrosodimethylamine	3.493	42	83044	49.843	ng	98
6) Aniline	6.528	93	57716	15.382	ng	# 1
8) 2-Chlorophenol	6.651	128	192977	53.412	ng	99
9) Benzaldehyde	6.416	77	28207	11.601	ng	95
10) Phenol	6.522	94	226097	49.711	ng	84
11) bis(2-Chloroethyl)ether	6.587	93	176347	51.991	ng	99
12) 1,3-Dichlorobenzene	6.792	146	198021	48.099	ng	97
13) 1,4-Dichlorobenzene	6.869	146	202213	48.388	ng	98
14) 1,2-Dichlorobenzene	7.016	146	191782	48.640	ng	99
15) Benzyl Alcohol	7.004	79	176132	56.135	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.116	45	202236	50.614	ng	99
17) 2-Methylphenol	7.122	107	157331	54.542	ng	99
18) Hexachloroethane	7.351	117	72792	46.789	ng	98
19) n-Nitroso-di-n-propyla...	7.269	70	136746	51.949	ng	98
20) 3+4-Methylphenols	7.281	107	209570	54.789	ng	# 73
22) Acetophenone	7.263	105	276787	54.371	ng	# 93
24) Nitrobenzene	7.439	77	210614	50.543	ng	97
25) Isophorone	7.675	82	369173	54.168	ng	99
26) 2-Nitrophenol	7.751	139	108504	56.536	ng	96
27) 2,4-Dimethylphenol	7.792	122	152516	68.047	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	220842	51.881	ng	99
29) 2,4-Dichlorophenol	8.010	162	168484	54.448	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	173785	48.991	ng	99
31) Naphthalene	8.151	128	574864	51.425	ng	100
32) Benzoic acid	7.957	122	94360	44.390	ng	97
33) 4-Chloroaniline	8.216	127	49653	13.374	ng	99
34) Hexachlorobutadiene	8.257	225	112411	47.101	ng	99
35) Caprolactam	8.592	113	32533	35.315	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	187185	53.746	ng	100
37) 2-Methylnaphthalene	8.845	142	385928	52.190	ng	100
38) 1-Methylnaphthalene	8.939	142	361063	49.371	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	190337	52.676	ng	98
41) Hexachlorocyclopentadiene	8.986	237	58731	56.740	ng	95
43) 2,4,6-Trichlorophenol	9.133	196	115996	52.426	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140958.D
 Acq On : 20 Dec 2024 18:32
 Operator : RC/JU
 Sample : P5330-04MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5MSD

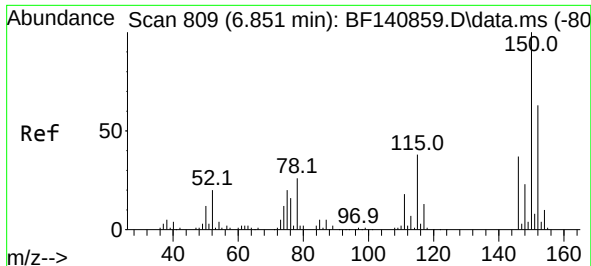
Quant Time: Dec 20 21:59:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	119151	48.995	ng	99
46) 1,1'-Biphenyl	9.304	154	485644	51.951	ng	99
47) 2-Chloronaphthalene	9.333	162	363887	50.883	ng	99
48) 2-Nitroaniline	9.439	65	114449	52.990	ng	94
49) Acenaphthylene	9.751	152	595245	56.638	ng	100
50) Dimethylphthalate	9.604	163	436668	52.685	ng	100
51) 2,6-Dinitrotoluene	9.681	165	95047	50.163	ng	97
52) Acenaphthene	9.922	154	362020	53.925	ng	100
53) 3-Nitroaniline	9.857	138	34060	18.114	ng	99
54) 2,4-Dinitrophenol	9.980	184	99319	105.187	ng	93
55) Dibenzofuran	10.092	168	549935	52.864	ng	99
56) 4-Nitrophenol	10.051	139	76943	76.290	ng	100
57) 2,4-Dinitrotoluene	10.092	165	132470	53.137	ng	98
58) Fluorene	10.439	166	443670	51.697	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	108468	54.737	ng	93
60) Diethylphthalate	10.304	149	433086	50.390	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	218797	50.753	ng	98
62) 4-Nitroaniline	10.475	138	83878	42.687	ng	99
63) Azobenzene	10.586	77	392585	48.588	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	72831	59.792	ng	97
66) n-Nitrosodiphenylamine	10.545	169	385484	58.327	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	130074	54.090	ng	96
68) Hexachlorobenzene	10.986	284	150259	55.110	ng	98
69) Atrazine	11.075	200	125482	67.982	ng	97
70) Pentachlorophenol	11.198	266	104469	104.801	ng	99
71) Phenanthrene	11.404	178	627586	56.774	ng	100
72) Anthracene	11.457	178	649137	59.630	ng	100
73) Carbazole	11.616	167	608541	57.072	ng	100
74) Di-n-butylphthalate	11.927	149	669148	53.472	ng	99
75) Fluoranthene	12.598	202	712346	55.956	ng	100
77) Benzidine	12.721	184	49651	15.807	ng	98
78) Pyrene	12.827	202	730040	53.343	ng	100
80) Butylbenzylphthalate	13.427	149	275011	54.612	ng	98
81) Benzo(a)anthracene	14.021	228	563815	51.690	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	61942	18.822	ng	97
83) Chrysene	14.057	228	522903	52.719	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	337909	52.040	ng	100
85) Di-n-octyl phthalate	14.610	149	468940	47.737	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	495365	61.230	ng	99
88) Benzo(b)fluoranthene	15.092	252	498705	55.417	ng	100
89) Benzo(k)fluoranthene	15.121	252	389626	50.473	ng	100
90) Benzo(a)pyrene	15.468	252	409060	58.050	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	402986	60.126	ng	99
92) Benzo(g,h,i)perylene	17.504	276	378363	55.466	ng	100

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

Quant Time: Dec 20 21:59:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

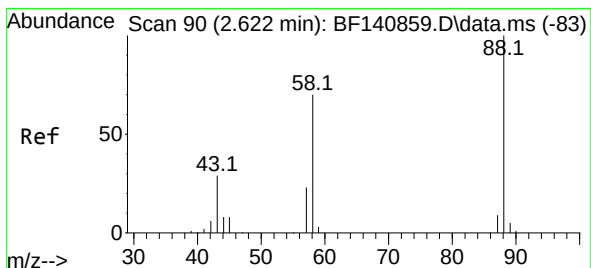
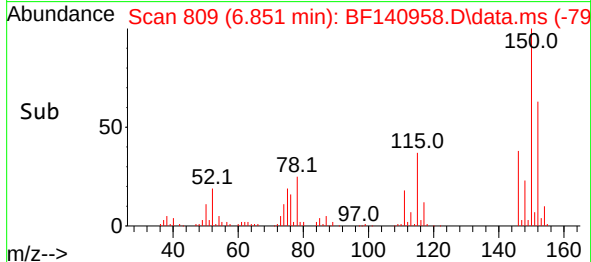
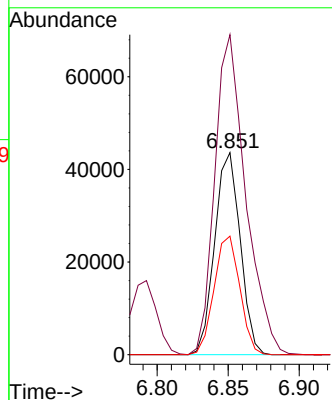
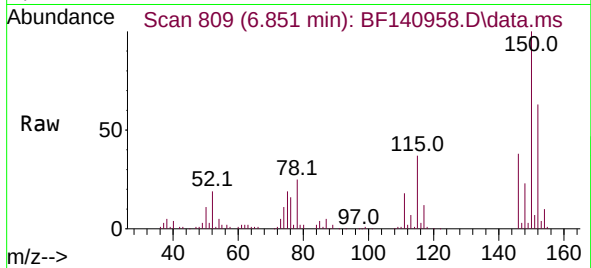




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140958.D
 Acq: 20 Dec 2024 18:32

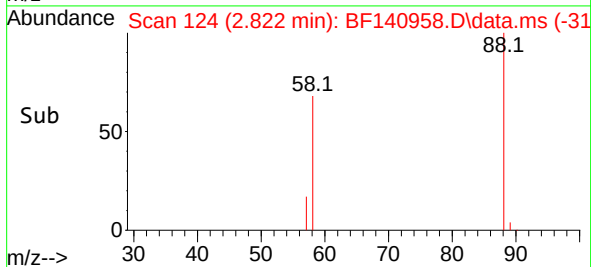
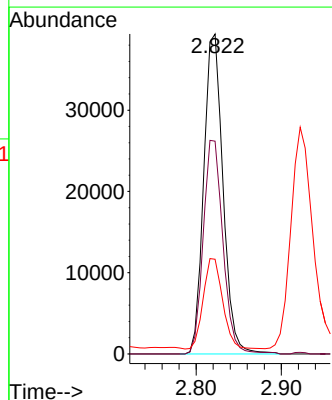
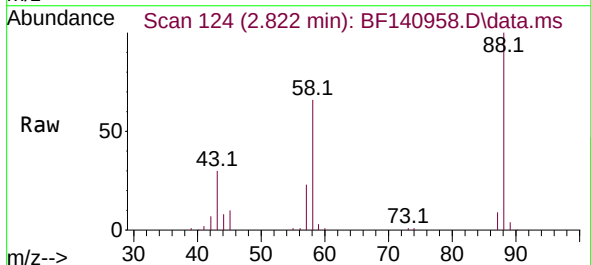
Instrument :
 BNA_F
 ClientSampleId :
 TP-5MSD

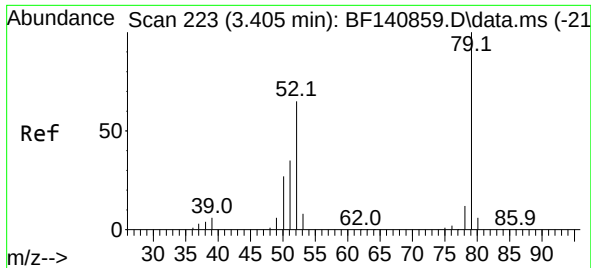
Tgt Ion:152 Resp: 54541
 Ion Ratio Lower Upper
 152 100
 150 158.4 127.9 191.9
 115 58.7 48.0 72.0



#2
 1,4-Dioxane
 Concen: 43.330 ng
 RT: 2.622 min Scan# 124
 Delta R.T. 0.200 min
 Lab File: BF140958.D
 Acq: 20 Dec 2024 18:32

Tgt Ion: 88 Resp: 61836
 Ion Ratio Lower Upper
 88 100
 58 68.2 55.8 83.8
 43 0.0 22.7 34.1#





#3

Pyridine

Concen: 42.772 ng

RT: 3.569 min Scan# 21

Delta R.T. 0.165 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

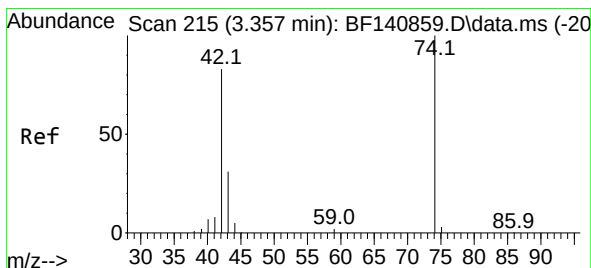
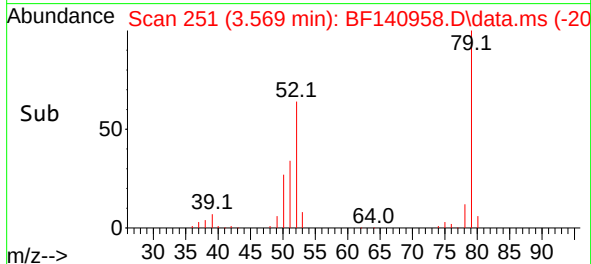
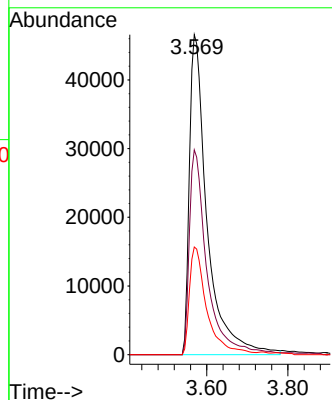
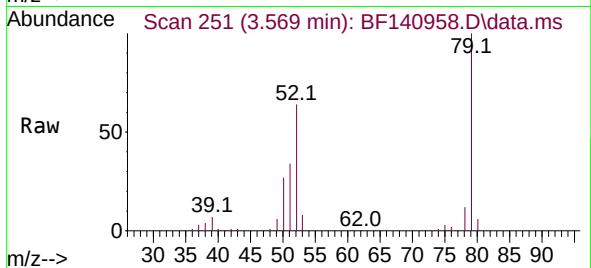
Tgt Ion: 79 Resp: 141360

Ion Ratio Lower Upper

79 100

52 64.0 51.7 77.5

51 33.7 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 49.843 ng

RT: 3.493 min Scan# 238

Delta R.T. 0.135 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

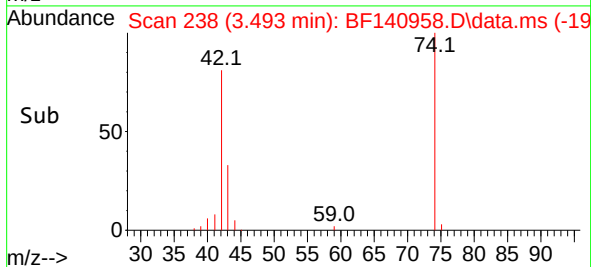
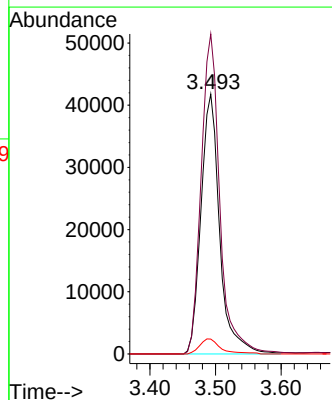
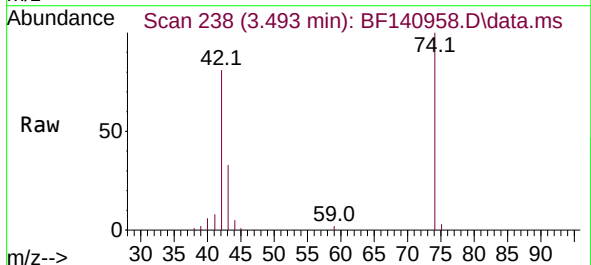
Tgt Ion: 42 Resp: 83044

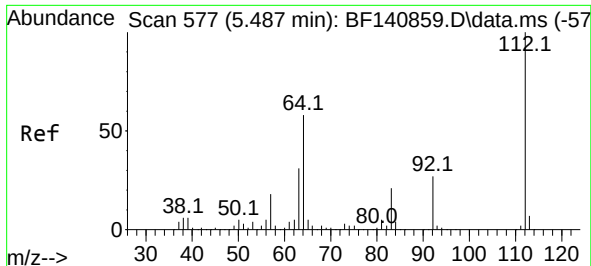
Ion Ratio Lower Upper

42 100

74 123.2 96.9 145.3

44 5.7 4.4 6.6

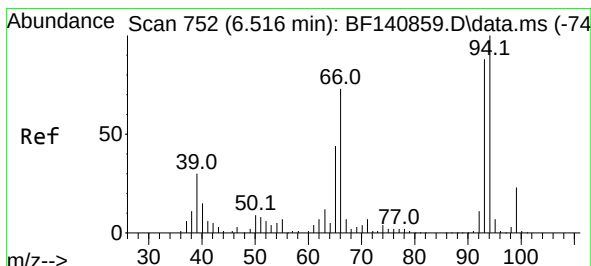
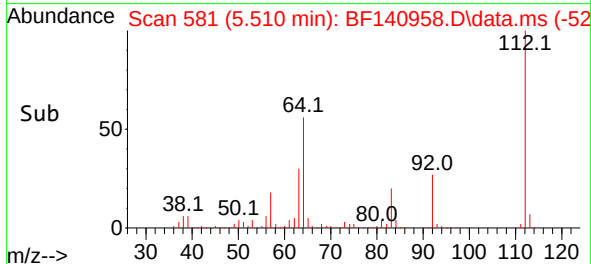
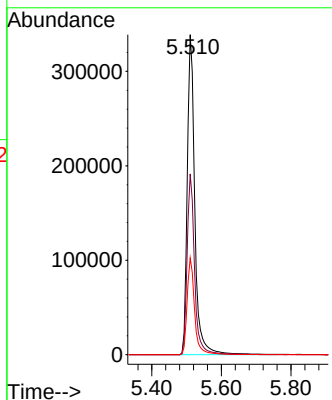
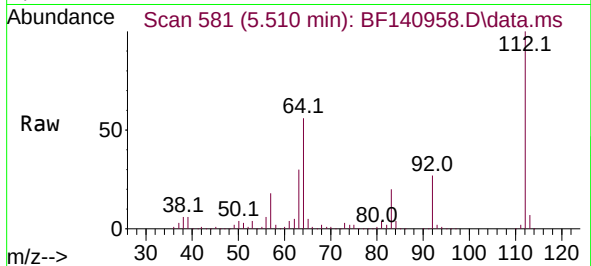




#5
2-Fluorophenol
Concen: 153.304 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

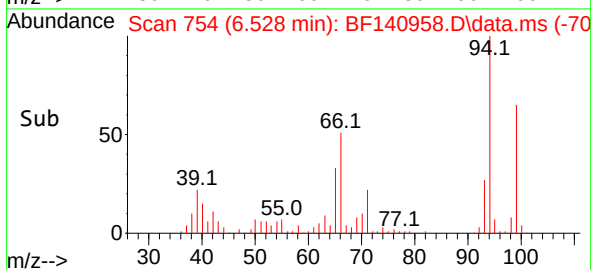
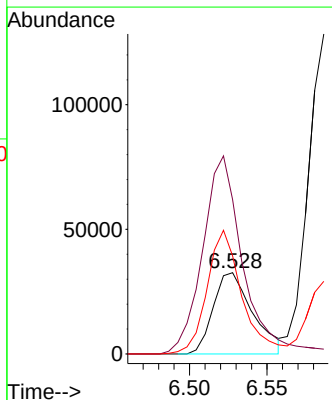
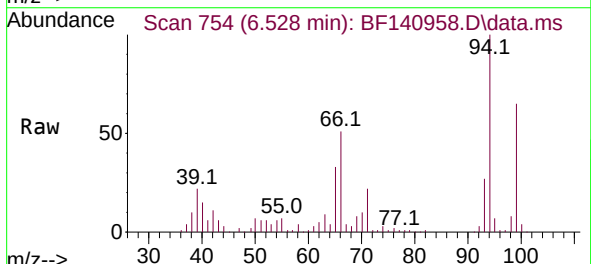
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

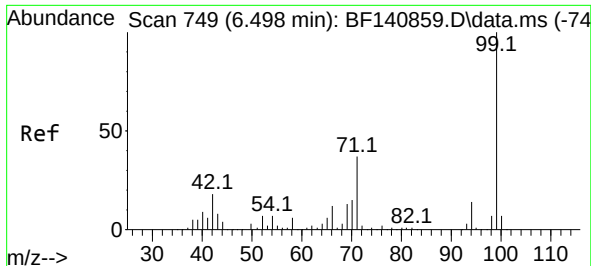
Tgt Ion:112 Resp: 507925
Ion Ratio Lower Upper
112 100
64 56.5 46.1 69.1
63 30.2 24.9 37.3



#6
Aniline
Concen: 15.382 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion: 93 Resp: 57716
Ion Ratio Lower Upper
93 100
66 190.0 67.0 100.4#
65 120.6 40.4 60.6#

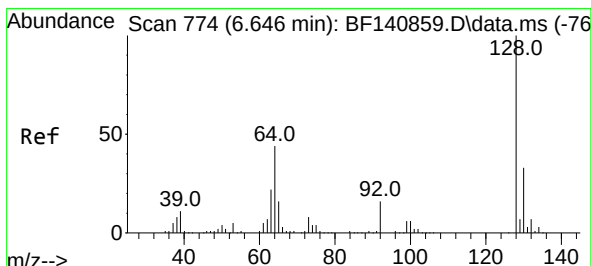
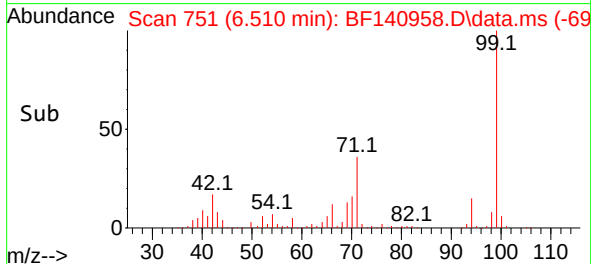
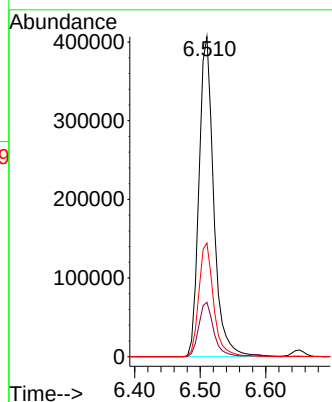
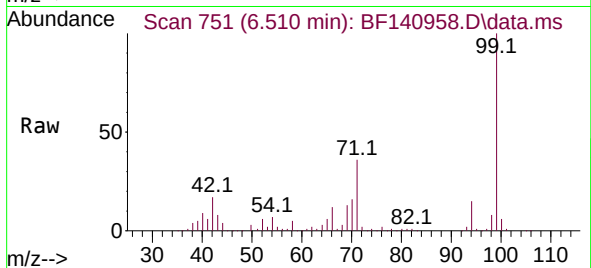




#7
Phenol-d6
Concen: 144.925 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.012 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

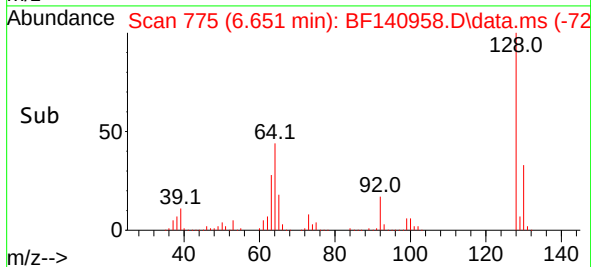
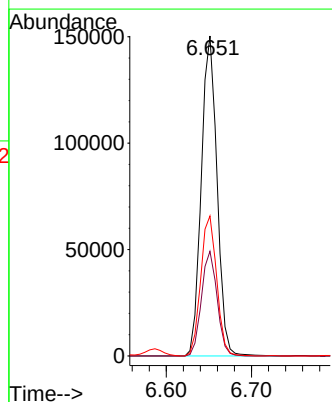
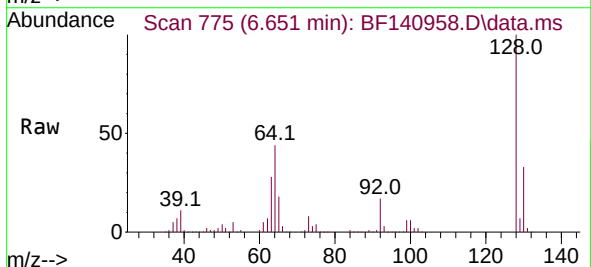
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

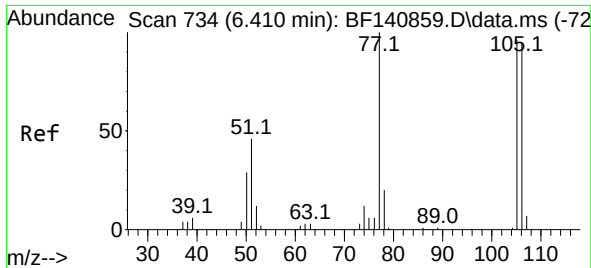
Tgt Ion: 99 Resp: 635980
Ion Ratio Lower Upper
99 100
42 17.0 14.3 21.5
71 35.5 29.9 44.9



#8
2-Chlorophenol
Concen: 53.412 ng
RT: 6.651 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:128 Resp: 192977
Ion Ratio Lower Upper
128 100
130 32.7 12.9 52.9
64 43.8 24.3 64.3





#9

Benzaldehyde

Concen: 11.601 ng

RT: 6.416 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

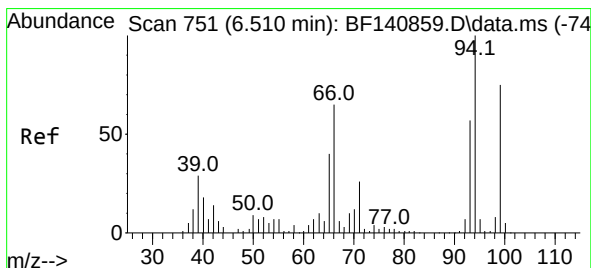
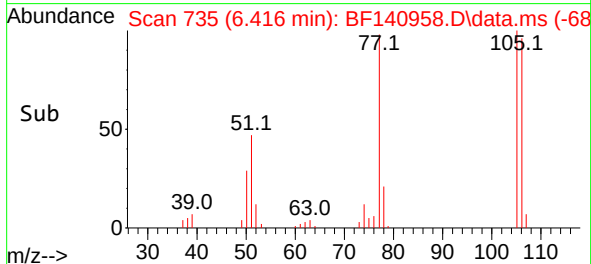
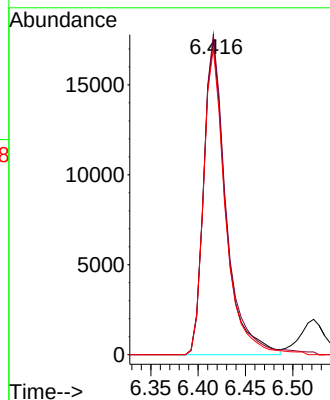
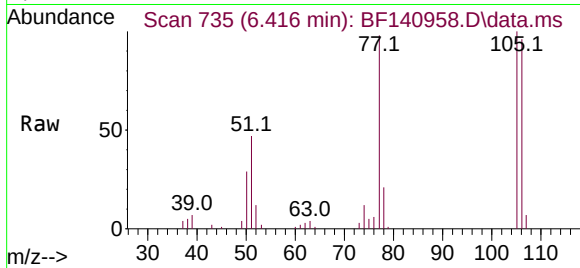
Tgt Ion: 77 Resp: 28207

Ion Ratio Lower Upper

77 100

105 101.9 75.8 115.8

106 97.6 74.1 114.1



#10

Phenol

Concen: 49.711 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

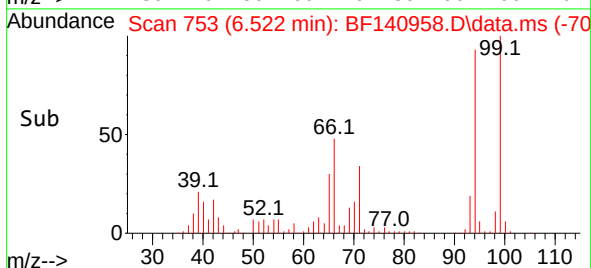
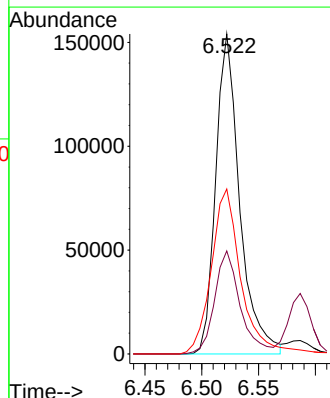
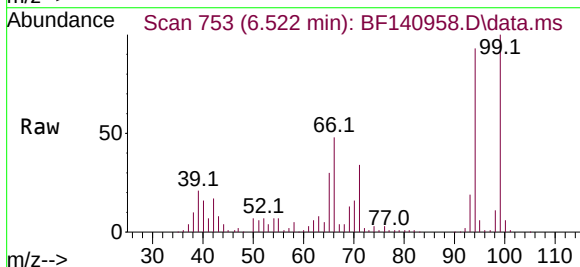
Tgt Ion: 94 Resp: 226097

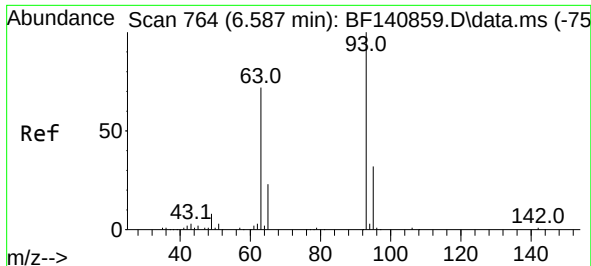
Ion Ratio Lower Upper

94 100

65 32.2 19.9 59.9

66 51.6 45.6 85.6



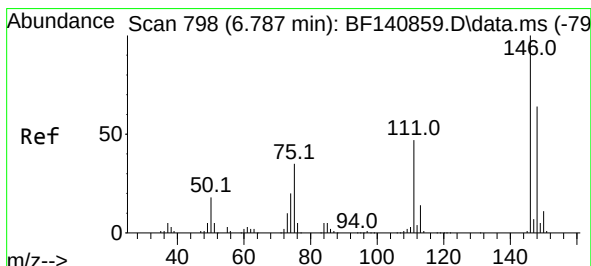
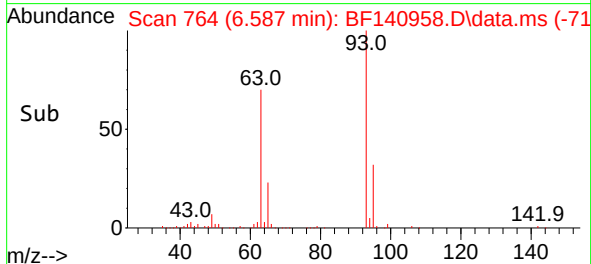
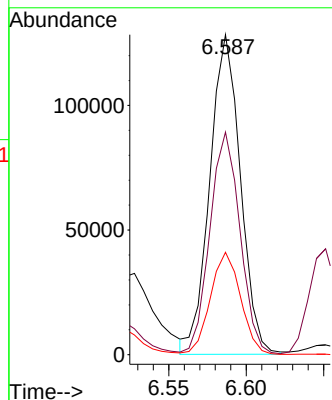
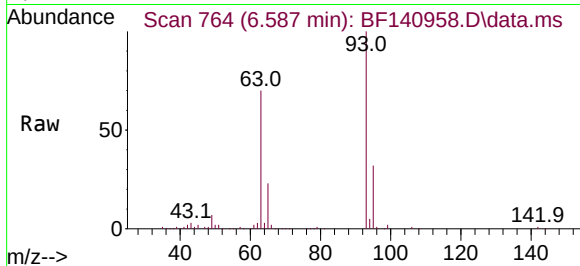


#11
bis(2-Chloroethyl)ether
Concen: 51.991 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Instrument :
BNA_F
ClientSampleId :
TP-5MSD

Tgt Ion: 93 Resp: 176347

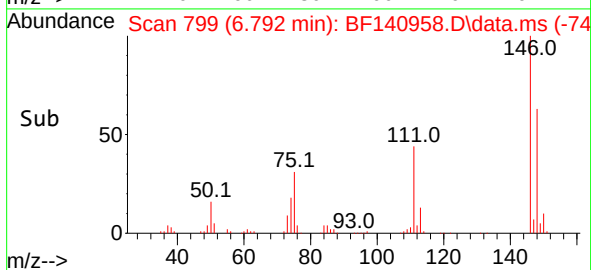
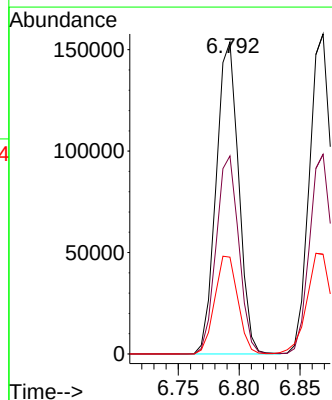
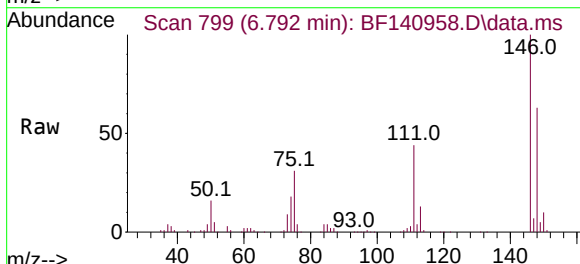
Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.0	12.0	52.0

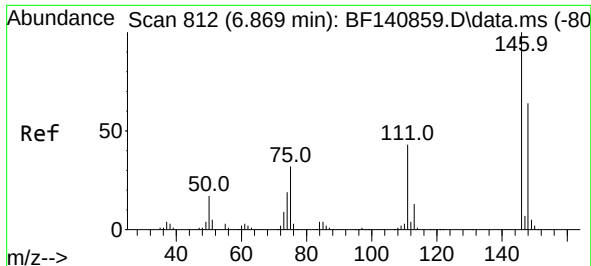


#12
1,3-Dichlorobenzene
Concen: 48.099 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion: 146 Resp: 198021

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
75	31.0	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 48.388 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

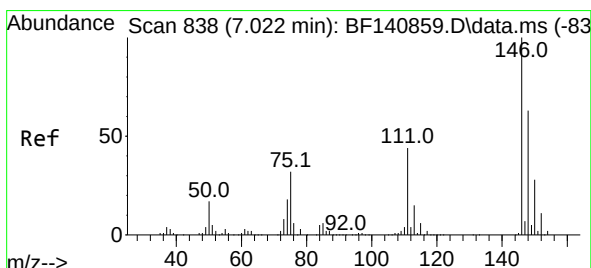
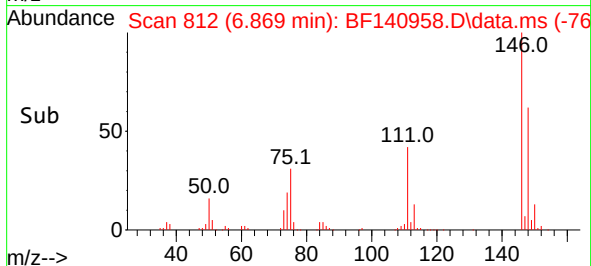
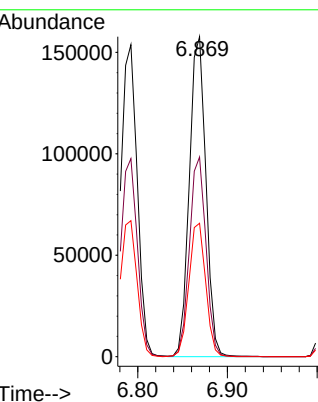
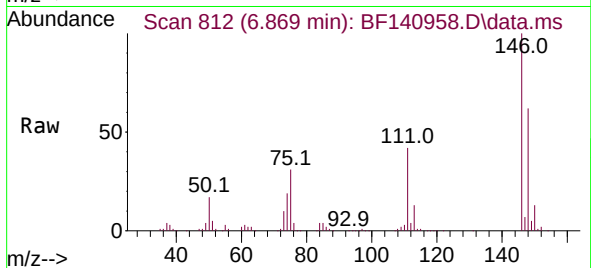
Tgt Ion:146 Resp: 202213

Ion Ratio Lower Upper

146 100

148 62.4 51.3 76.9

111 41.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 48.640 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

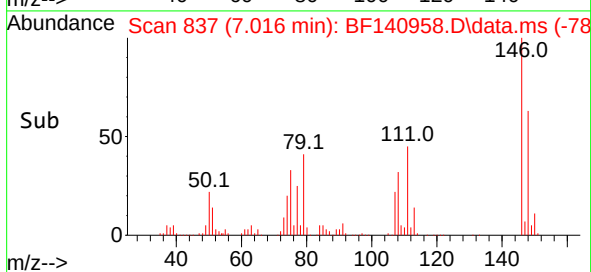
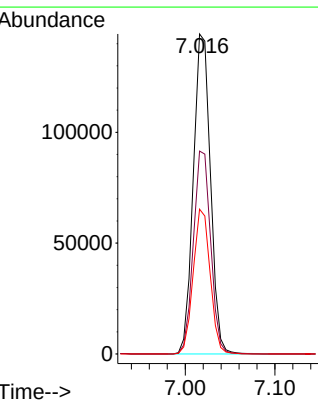
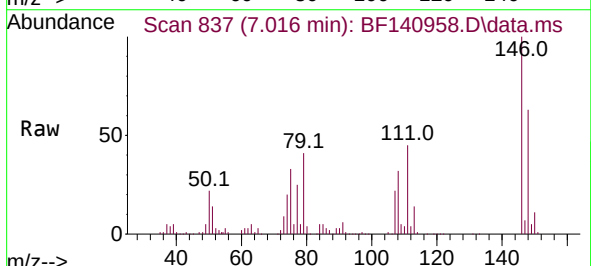
Tgt Ion:146 Resp: 191782

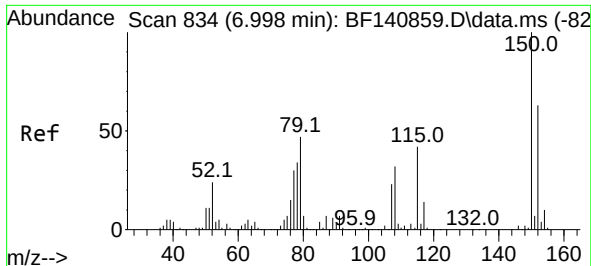
Ion Ratio Lower Upper

146 100

148 63.4 50.0 75.0

111 45.2 35.6 53.4

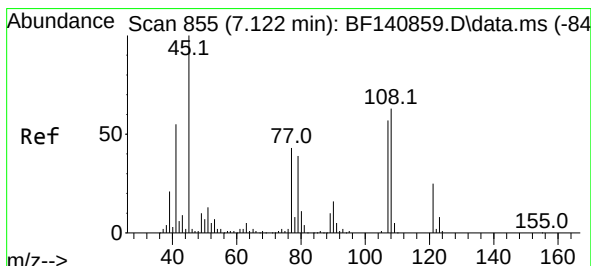
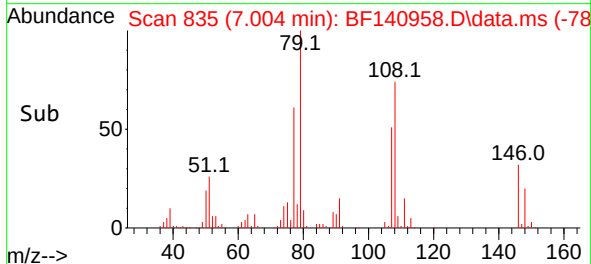
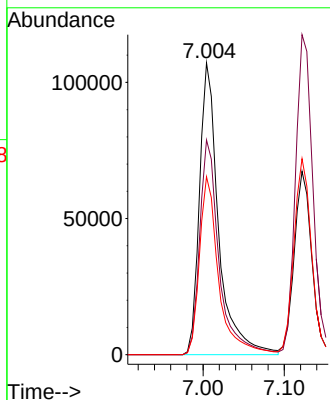
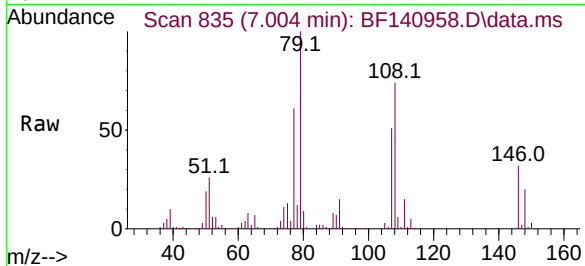




#15
Benzyl Alcohol
Concen: 56.135 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

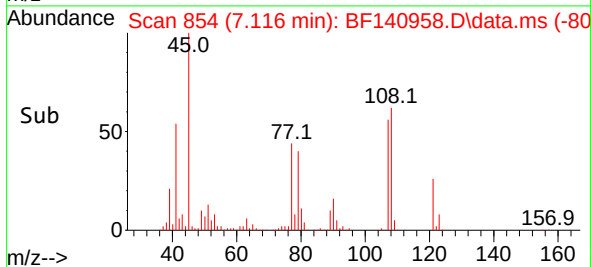
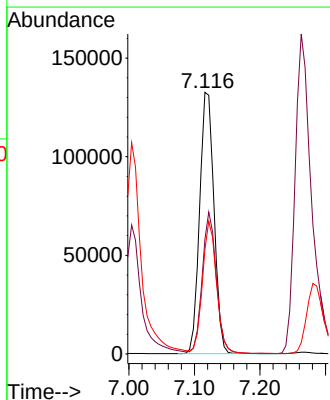
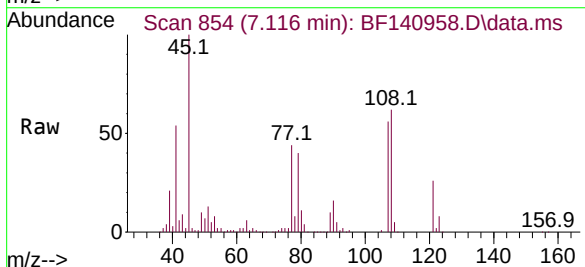
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

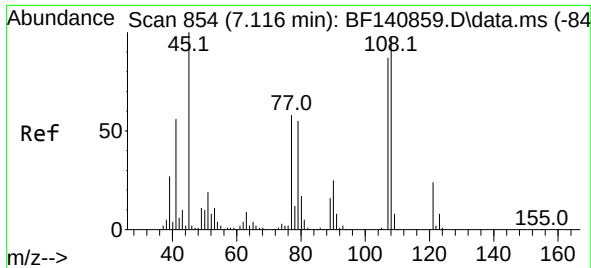
Tgt Ion: 79 Resp: 176132
Ion Ratio Lower Upper
79 100
108 73.6 55.1 82.7
77 61.0 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.614 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion: 45 Resp: 202236
Ion Ratio Lower Upper
45 100
77 43.8 23.3 63.3
79 39.9 20.0 60.0

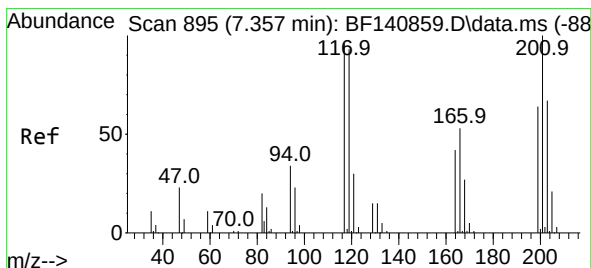
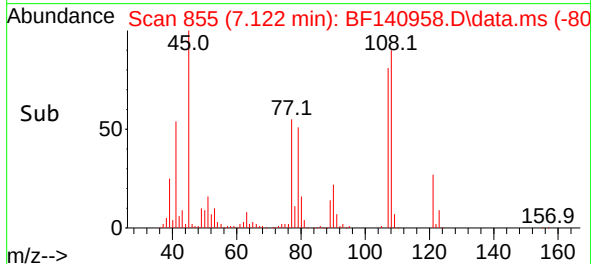
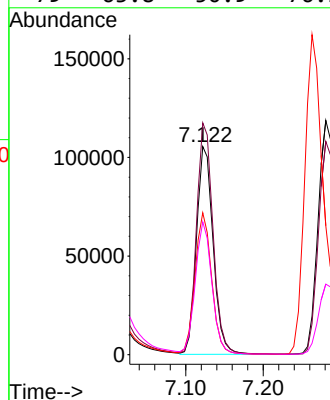
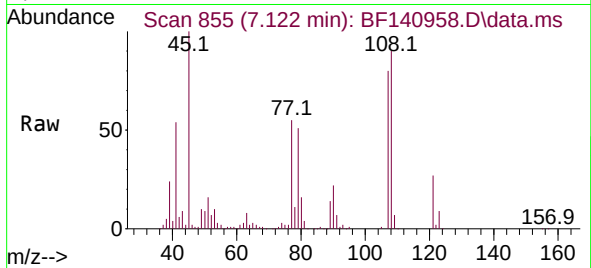




#17
2-Methylphenol
Concen: 54.542 ng
RT: 7.122 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

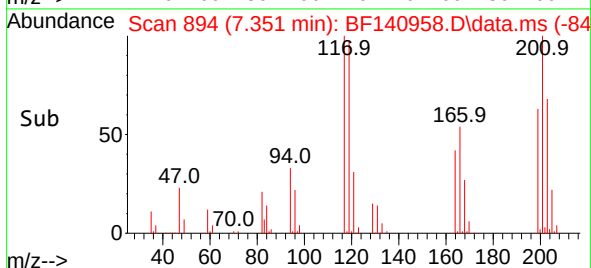
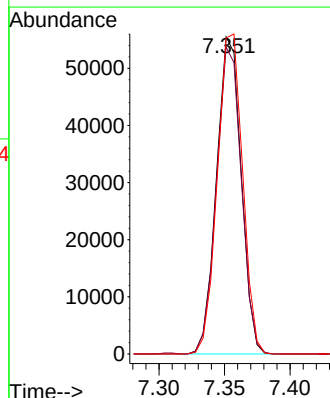
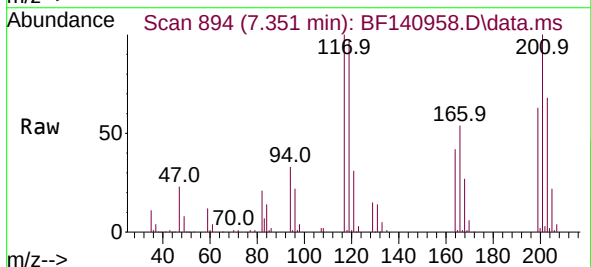
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

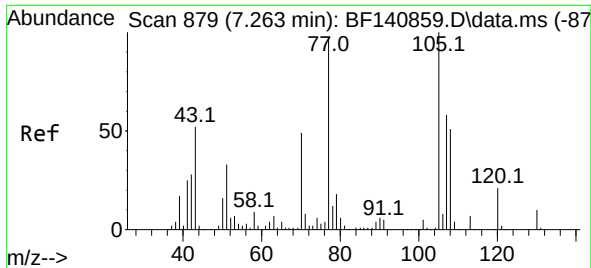
Tgt Ion:	107	Resp:	157331
Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.2	135.4
77	68.2	53.8	80.6
79	63.8	50.9	76.3



#18
Hexachloroethane
Concen: 46.789 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:	117	Resp:	72792
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
201	99.7	83.4	125.0

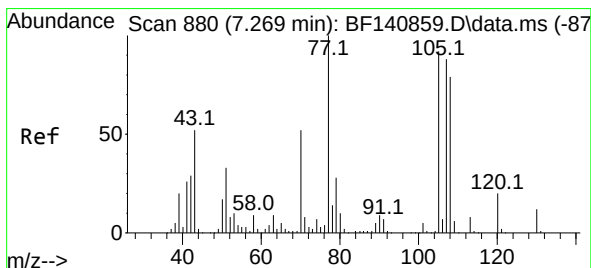
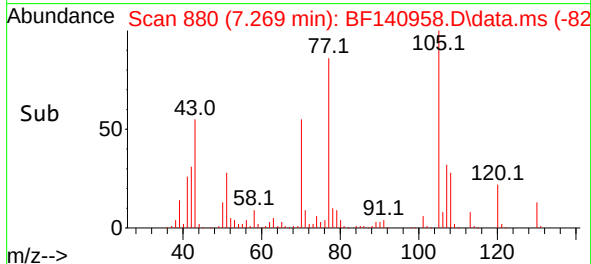
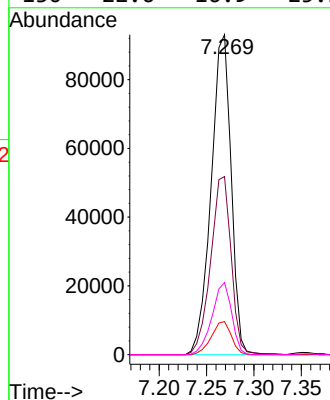
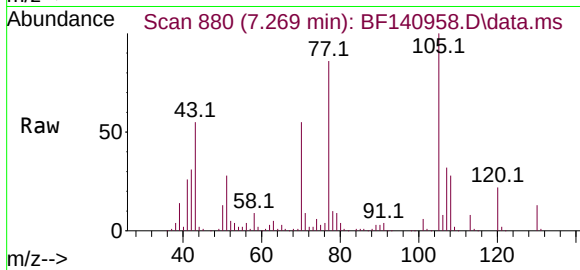




#19
n-Nitroso-di-n-propylamine
Concen: 51.949 ng
RT: 7.269 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

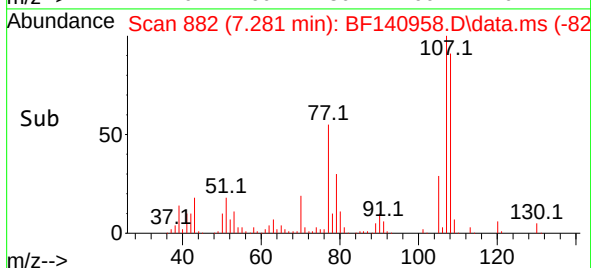
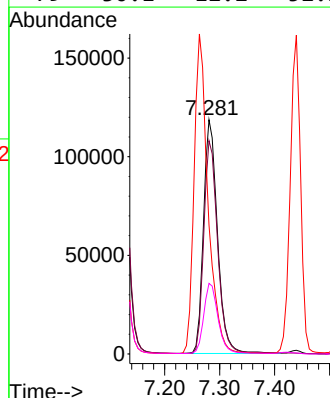
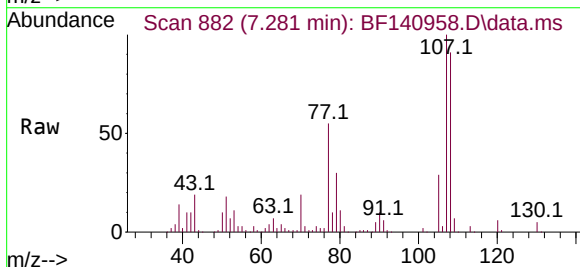
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

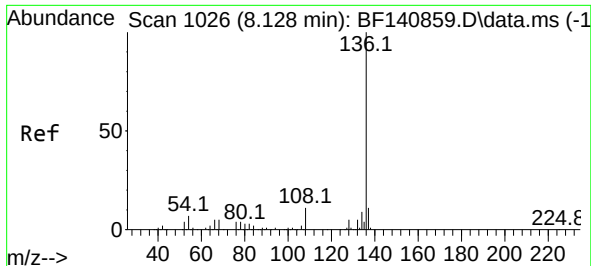
Tgt Ion: 70 Resp: 136746
Ion Ratio Lower Upper
70 100
42 55.7 45.3 67.9
101 10.3 8.0 12.0
130 22.6 16.9 25.3



#20
3+4-Methylphenols
Concen: 54.789 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.012 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion: 107 Resp: 209570
Ion Ratio Lower Upper
107 100
108 91.1 70.1 110.1
77 55.1 94.4 134.4#
79 30.1 12.2 52.2



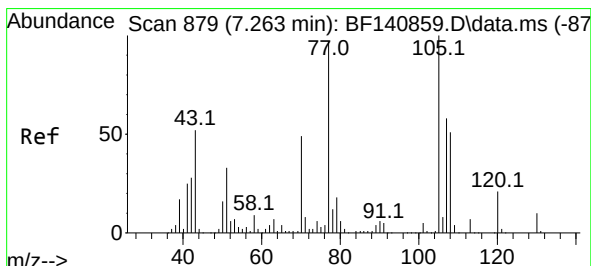
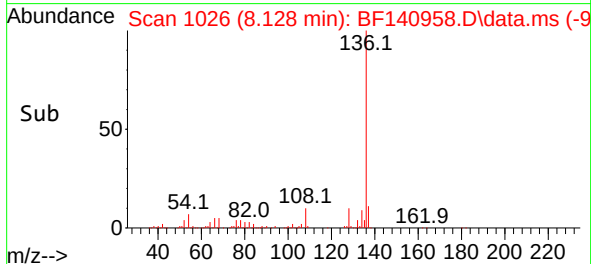
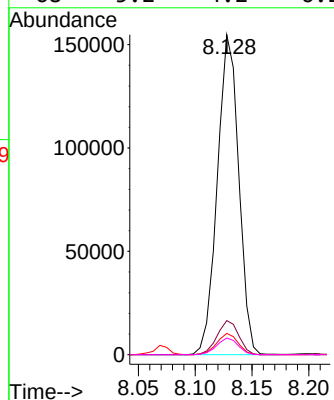
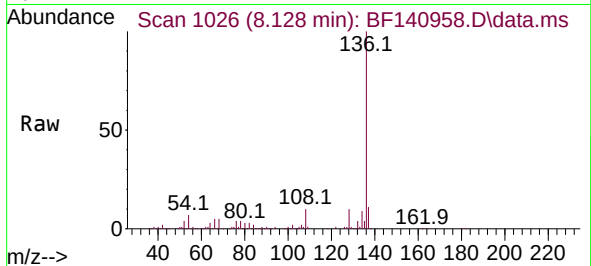


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Instrument :
BNA_F
ClientSampleId :
TP-5MSD

Tgt Ion:136 Resp: 203503

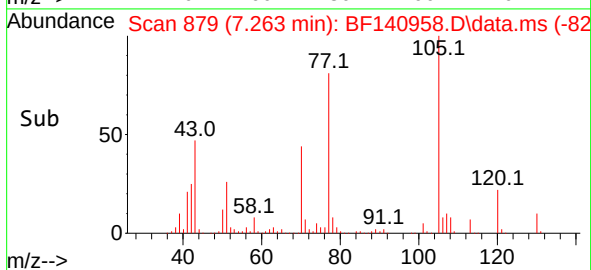
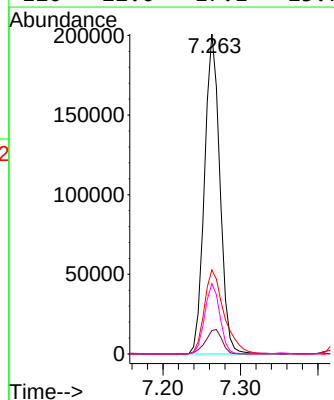
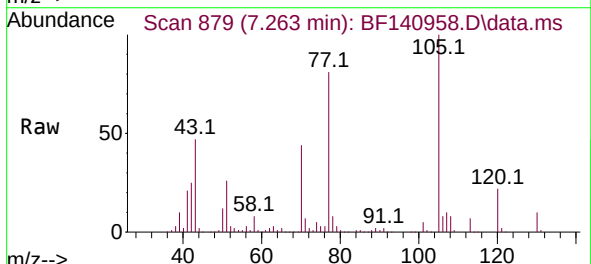
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.6	5.6	8.4
68	5.2	4.2	6.2

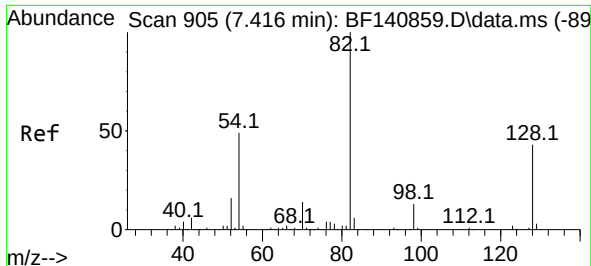


#22
Acetophenone
Concen: 54.371 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:105 Resp: 276787

Ion	Ratio	Lower	Upper
105	100		
71	7.3	6.2	9.4
51	26.3	26.3	39.5
120	22.0	17.1	25.7





#23

Nitrobenzene-d5

Concen: 105.280 ng

RT: 7.422 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

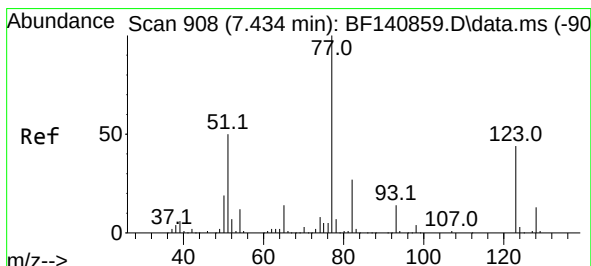
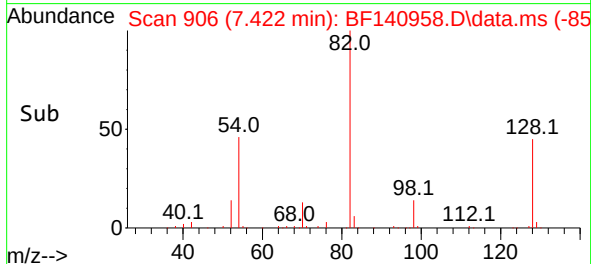
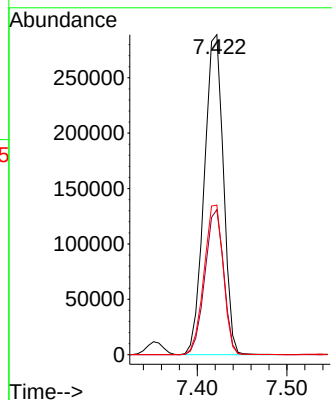
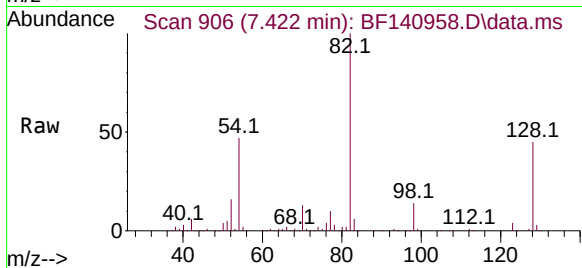
BNA_F

ClientSampleId :

TP-5MSD

Tgt Ion: 82 Resp: 428230

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.4	51.6
54	46.8	38.8	58.2



#24

Nitrobenzene

Concen: 50.543 ng

RT: 7.439 min Scan# 909

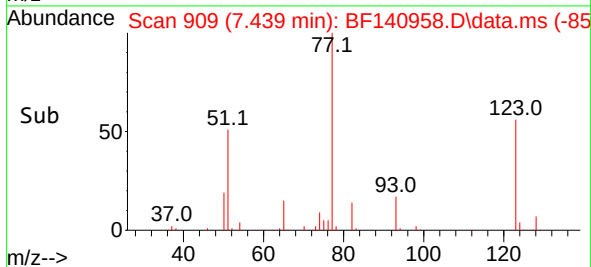
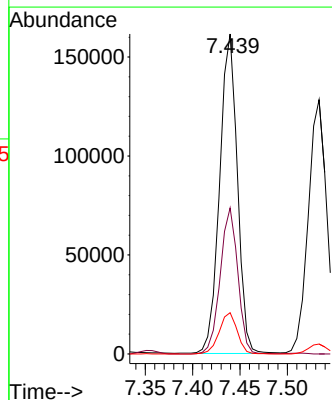
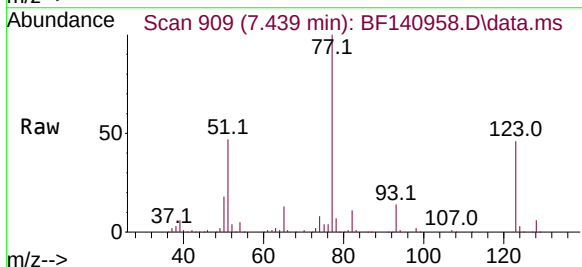
Delta R.T. 0.006 min

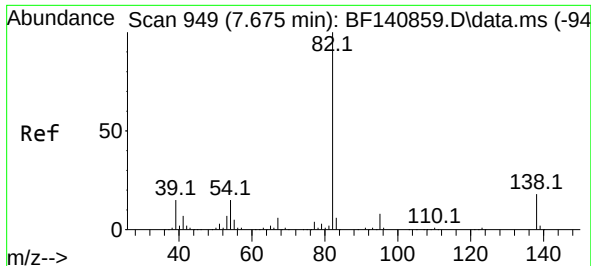
Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Tgt Ion: 77 Resp: 210614

Ion	Ratio	Lower	Upper
77	100		
123	45.7	35.0	52.4
65	12.9	11.4	17.0

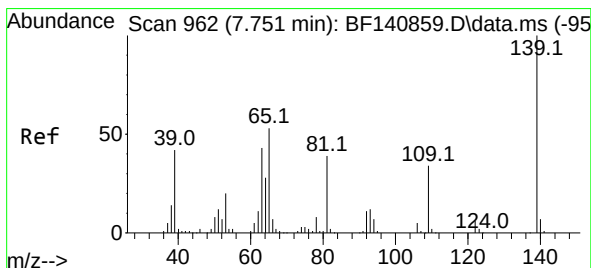
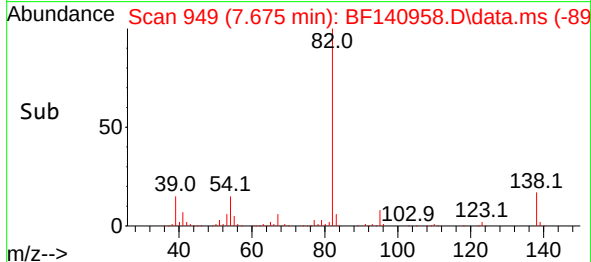
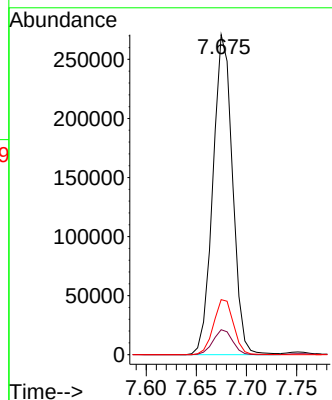
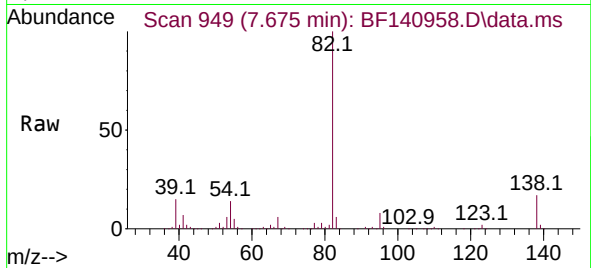




#25
Isophorone
Concen: 54.168 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

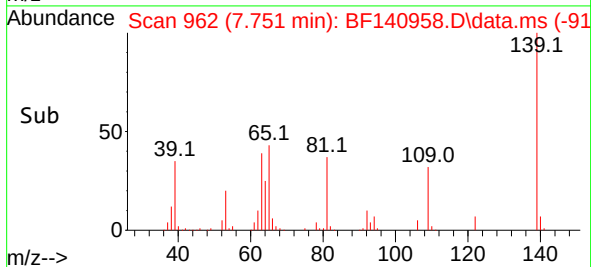
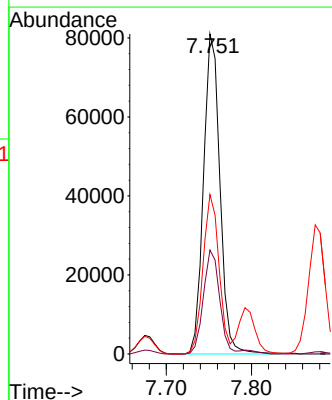
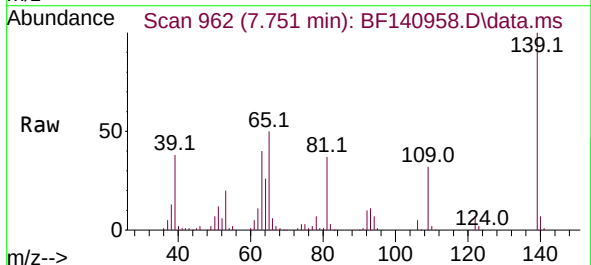
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

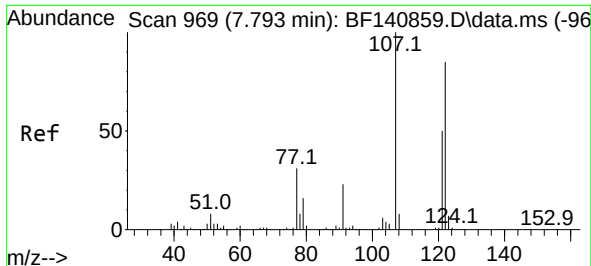
Tgt Ion: 82 Resp: 369173
Ion Ratio Lower Upper
82 100
95 7.8 6.3 9.5
138 17.2 14.1 21.1



#26
2-Nitrophenol
Concen: 56.536 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion: 139 Resp: 108504
Ion Ratio Lower Upper
139 100
109 32.4 26.9 40.3
65 49.8 42.6 64.0

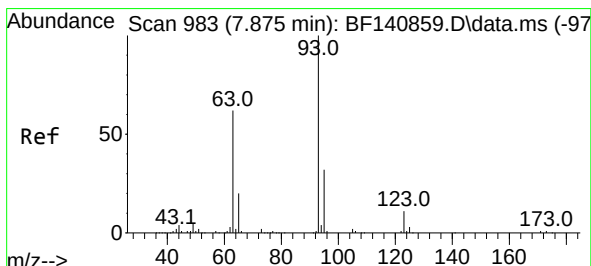
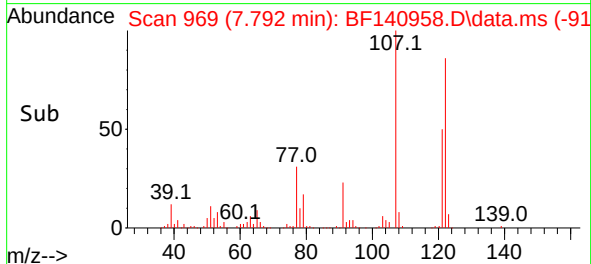
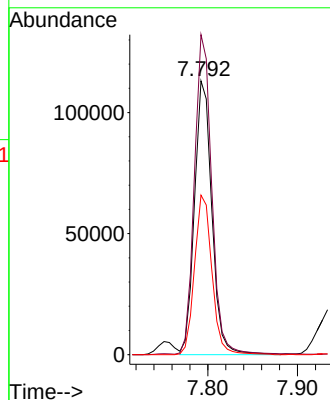
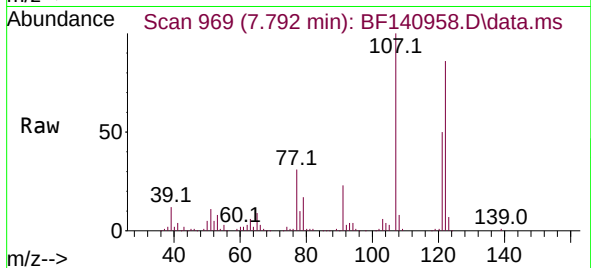




#27
2,4-Dimethylphenol
Concen: 68.047 ng
RT: 7.792 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

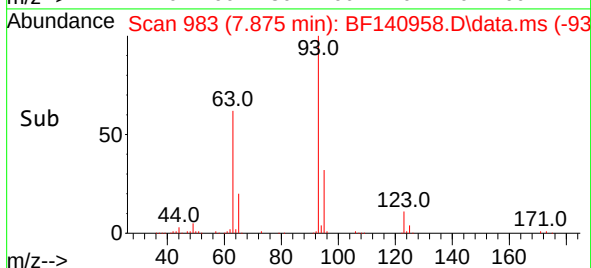
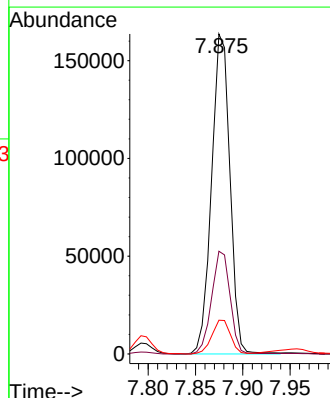
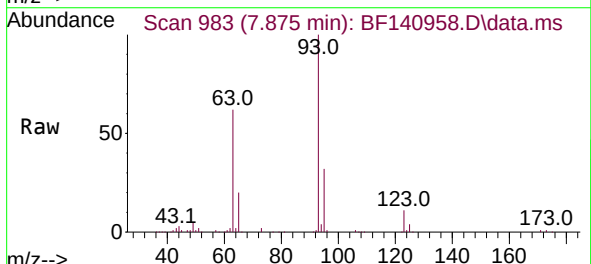
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

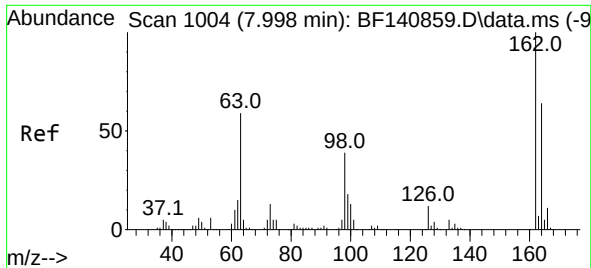
Tgt Ion:122 Resp: 152516
Ion Ratio Lower Upper
122 100
107 116.9 92.6 139.0
121 58.3 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 51.881 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion: 93 Resp: 220842
Ion Ratio Lower Upper
93 100
95 32.1 25.3 37.9
123 10.6 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 54.448 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.012 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

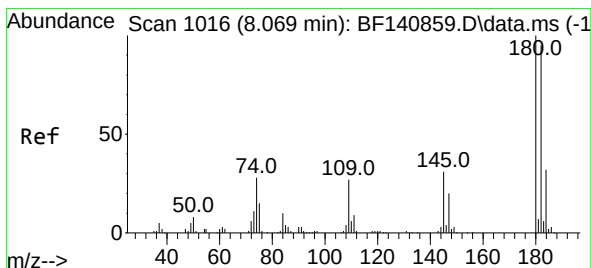
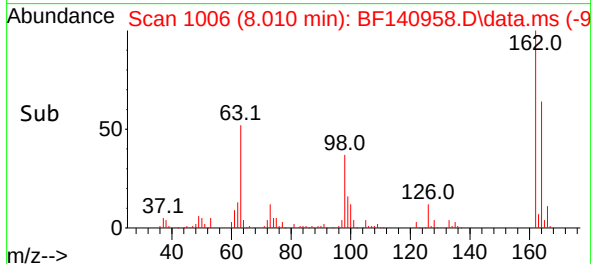
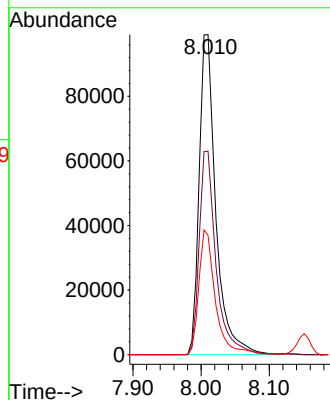
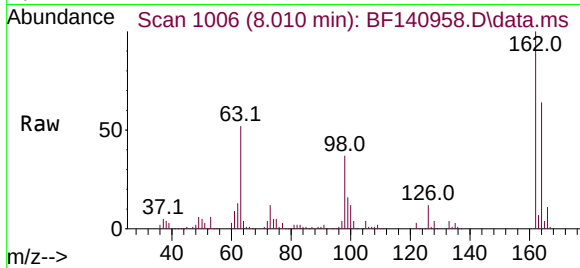
Tgt Ion:162 Resp: 168484

Ion Ratio Lower Upper

162 100

164 63.6 43.7 83.7

98 37.3 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 48.991 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

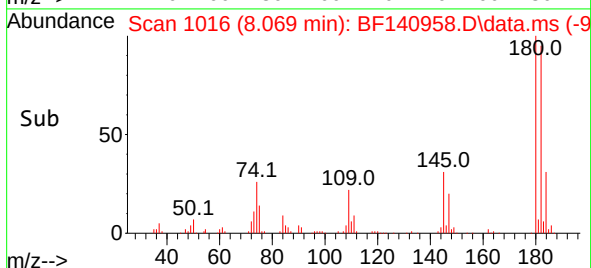
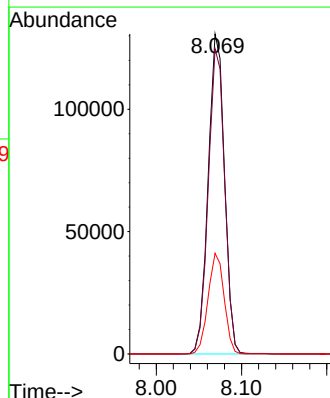
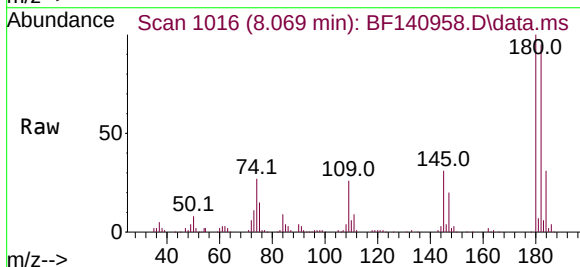
Tgt Ion:180 Resp: 173785

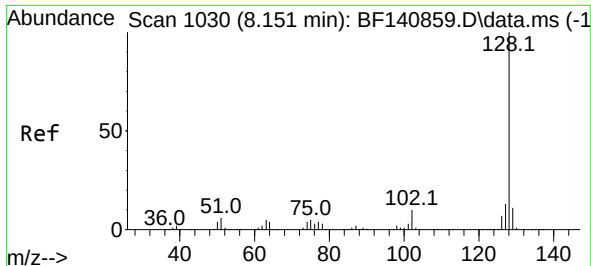
Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

145 31.4 25.2 37.8

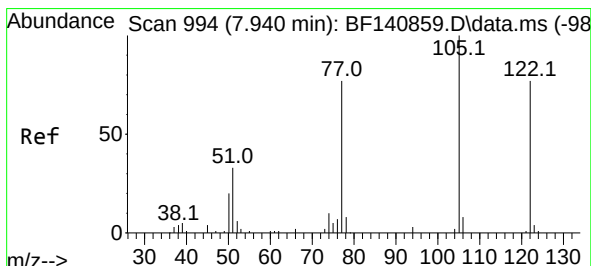
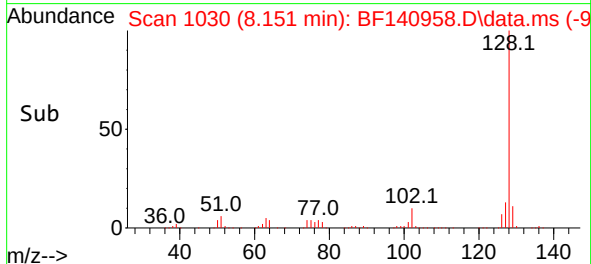
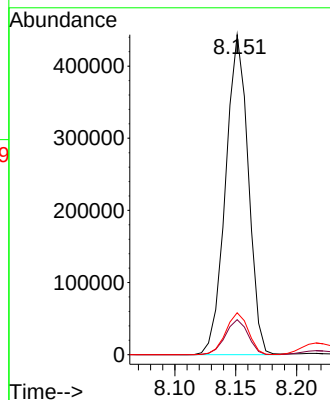
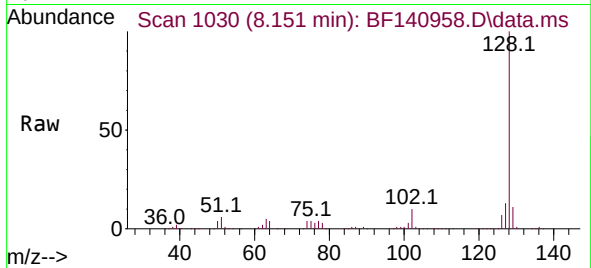




#31
Naphthalene
Concen: 51.425 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

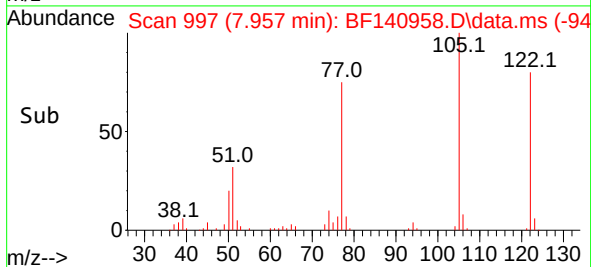
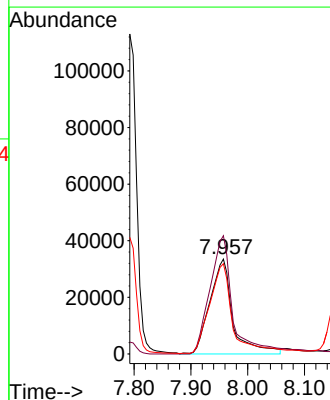
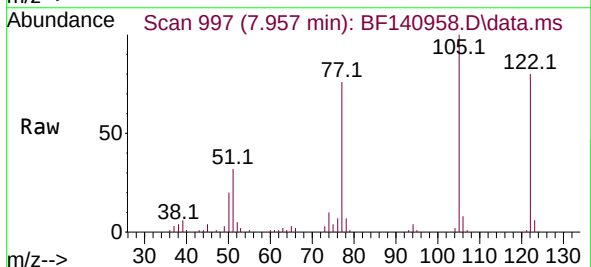
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

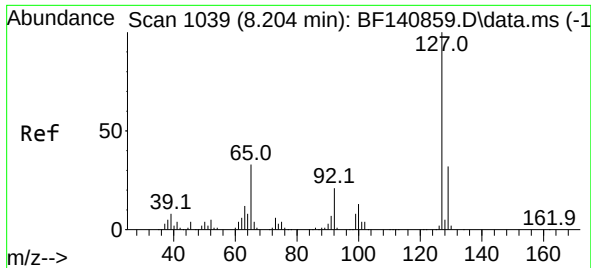
Tgt Ion:128 Resp: 574864
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 44.390 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.017 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:122 Resp: 94360
Ion Ratio Lower Upper
122 100
105 124.5 108.3 148.3
77 95.1 78.8 118.8

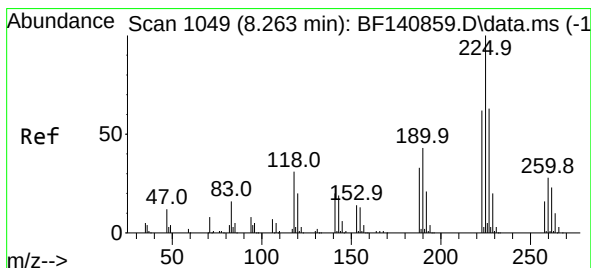
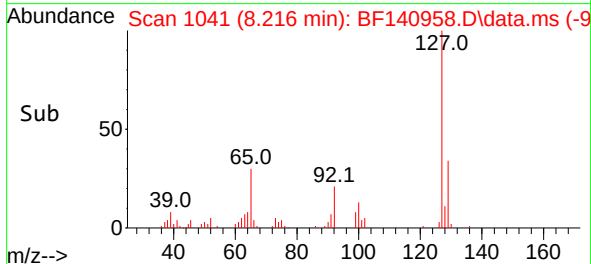
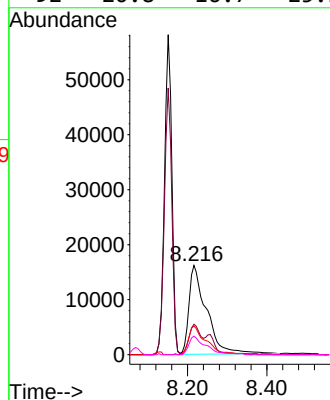
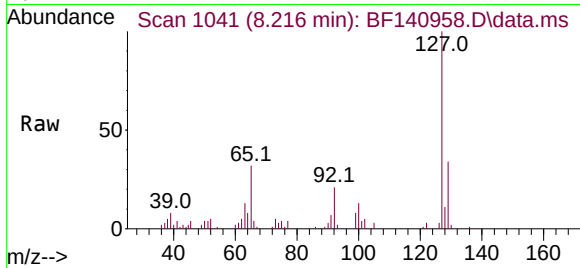




#33
4-Chloroaniline
Concen: 13.374 ng
RT: 8.216 min Scan# 1041
Delta R.T. 0.012 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

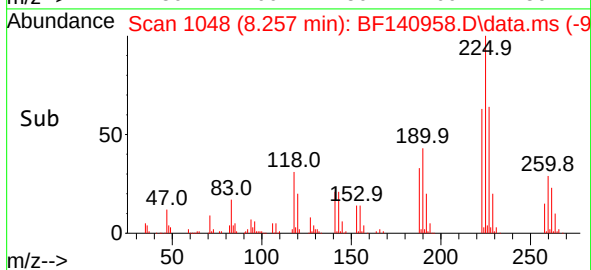
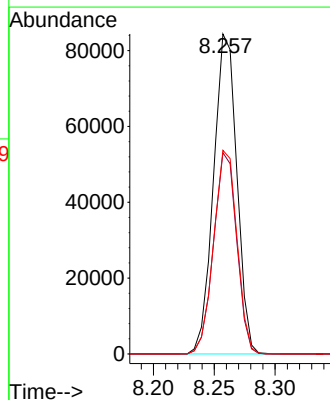
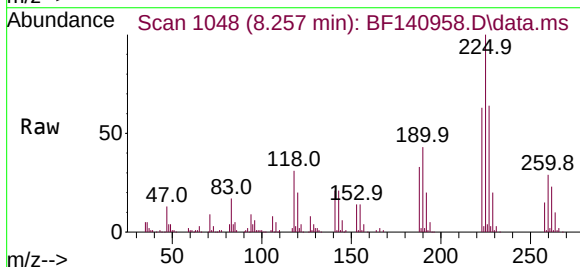
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

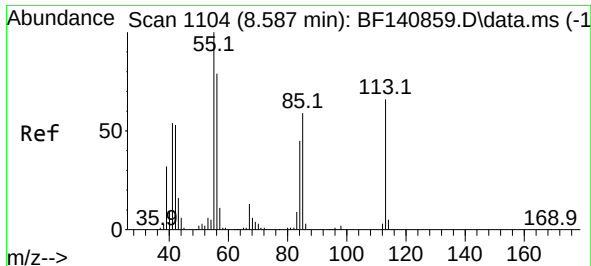
Tgt Ion:	127	Resp:	49653
Ion Ratio	Lower	Upper	
127	100		
129	34.1	26.0	39.0
65	32.3	26.0	39.0
92	20.8	16.7	25.1



#34
Hexachlorobutadiene
Concen: 47.101 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:	225	Resp:	112411
Ion Ratio	Lower	Upper	
225	100		
223	62.9	49.6	74.4
227	63.7	50.7	76.1

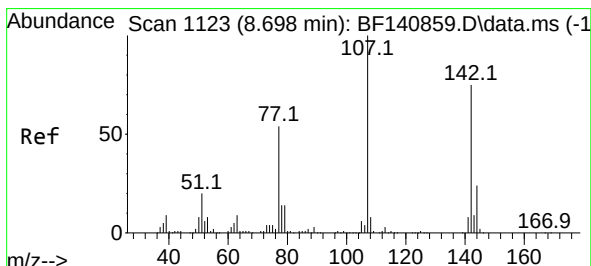
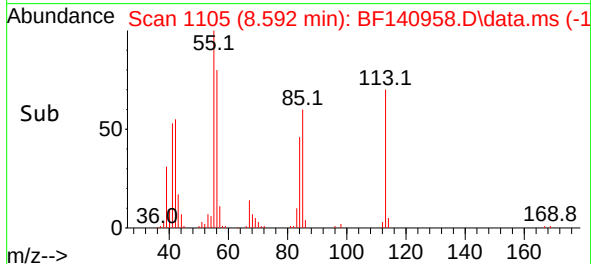
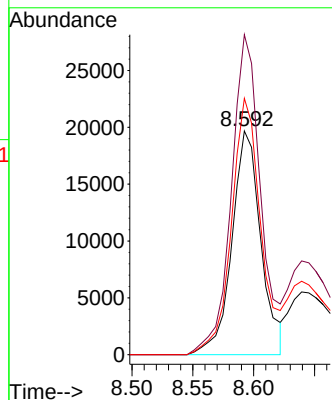
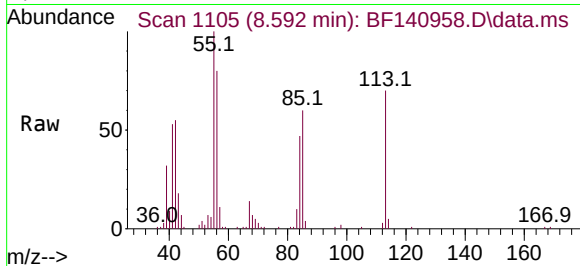




#35
Caprolactam
Concen: 35.315 ng
RT: 8.592 min Scan# 1105
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

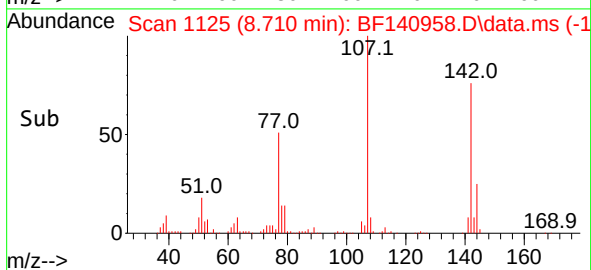
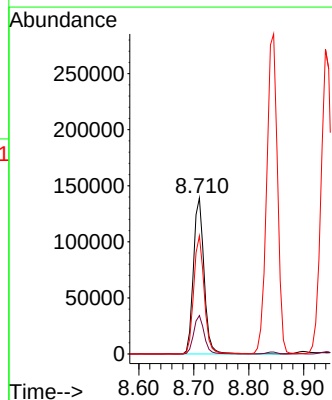
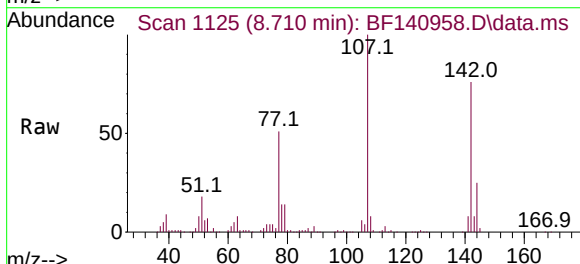
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

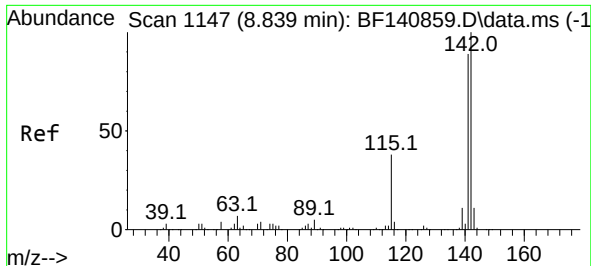
Tgt Ion:113 Resp: 32533
Ion Ratio Lower Upper
113 100
55 143.0 132.3 172.3
56 114.6 100.3 140.3



#36
4-Chloro-3-methylphenol
Concen: 53.746 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:107 Resp: 187185
Ion Ratio Lower Upper
107 100
144 24.6 19.4 29.2
142 75.7 60.3 90.5





#37

2-Methylnaphthalene

Concen: 52.190 ng

RT: 8.845 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

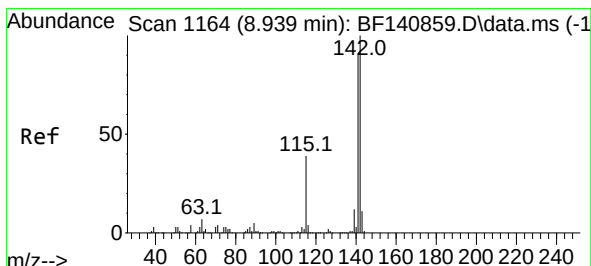
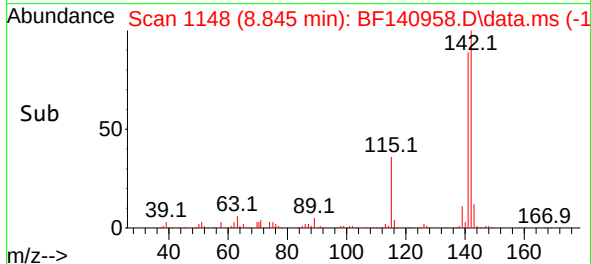
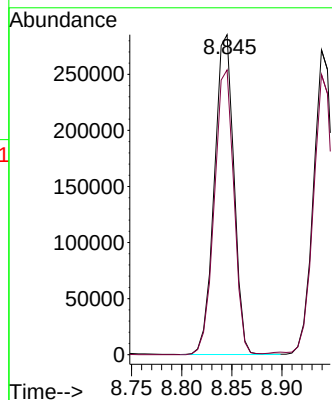
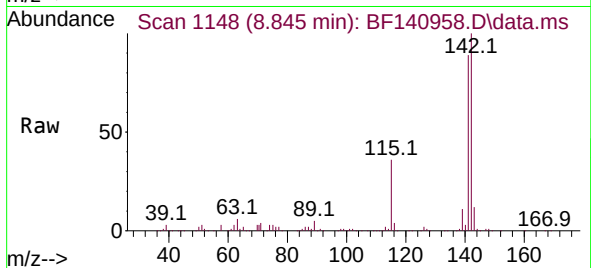
TP-5MSD

Tgt Ion:142 Resp: 385928

Ion Ratio Lower Upper

142 100

141 89.0 71.0 106.6



#38

1-Methylnaphthalene

Concen: 49.371 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF140958.D

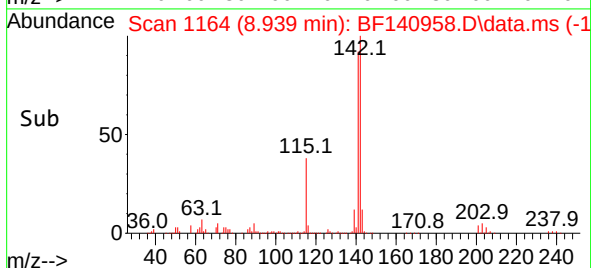
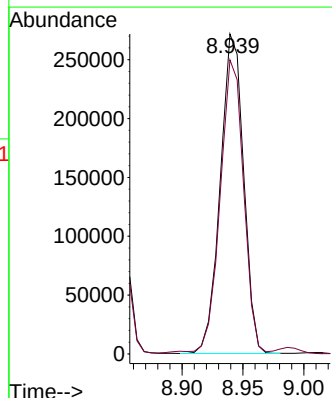
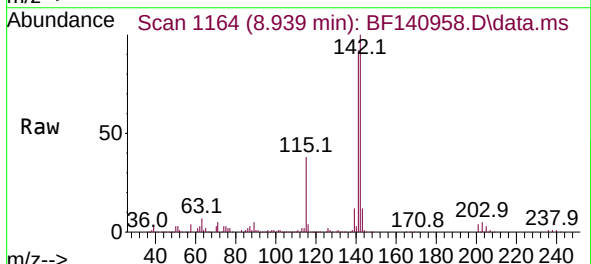
Acq: 20 Dec 2024 18:32

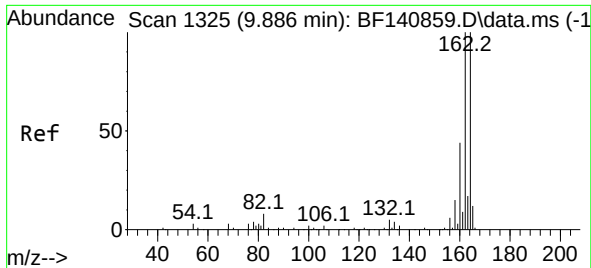
Tgt Ion:142 Resp: 361063

Ion Ratio Lower Upper

142 100

141 91.9 73.4 110.0

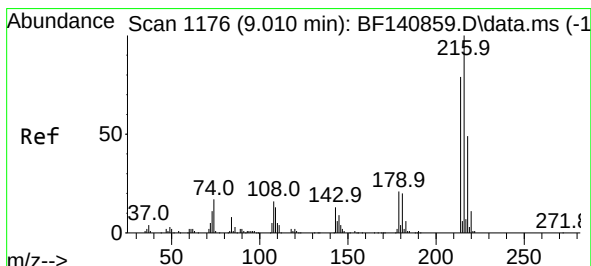
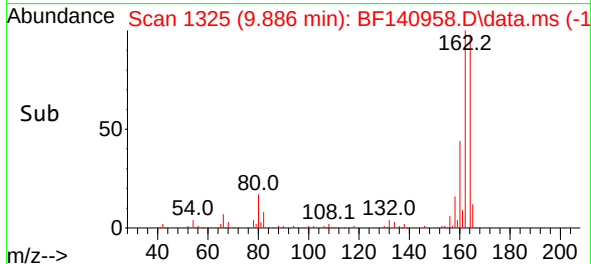
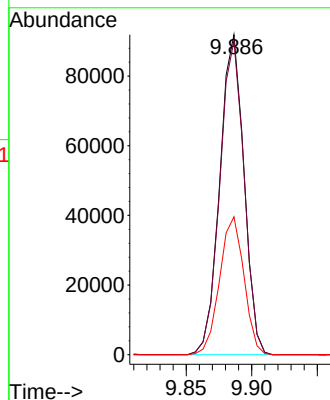
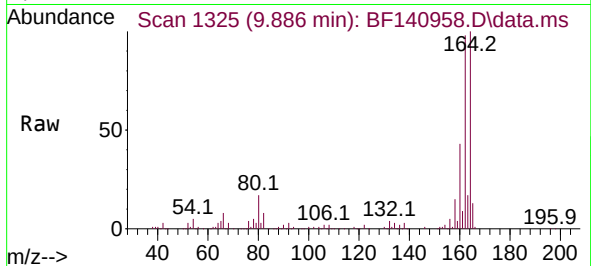




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

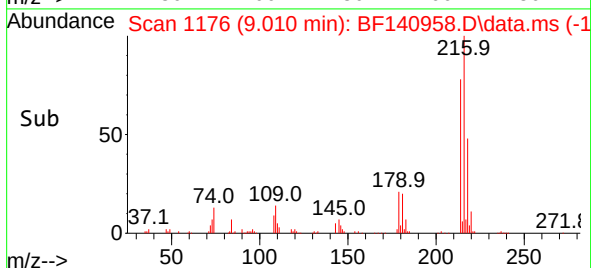
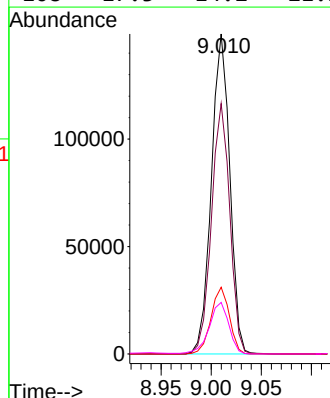
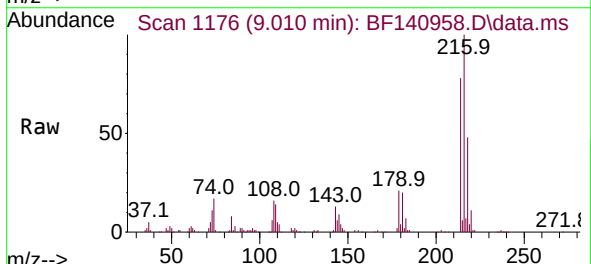
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

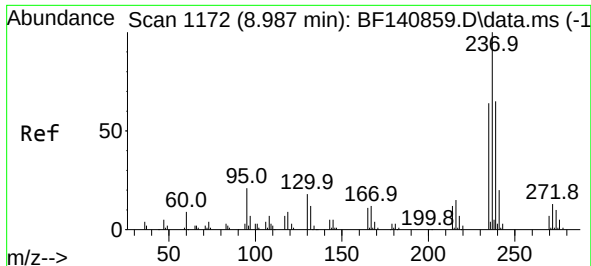
Tgt Ion:164 Resp: 117560
Ion Ratio Lower Upper
164 100
162 98.1 79.9 119.9
160 43.1 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.676 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:216 Resp: 190337
Ion Ratio Lower Upper
216 100
214 77.7 63.6 95.4
179 20.8 17.0 25.4
108 17.3 14.2 21.2

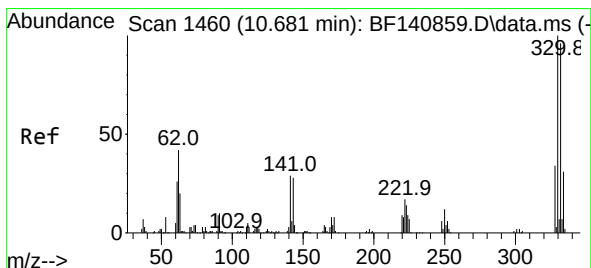
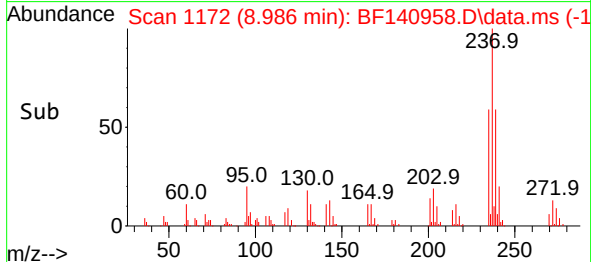
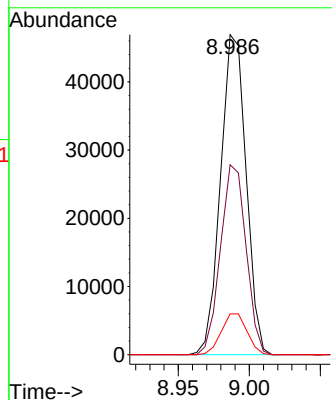
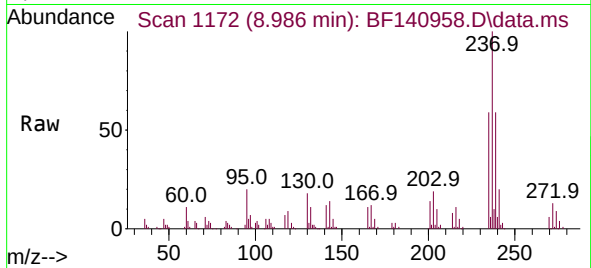




#41
Hexachlorocyclopentadiene
Concen: 56.740 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.001 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

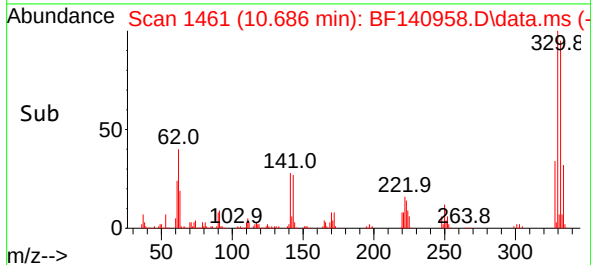
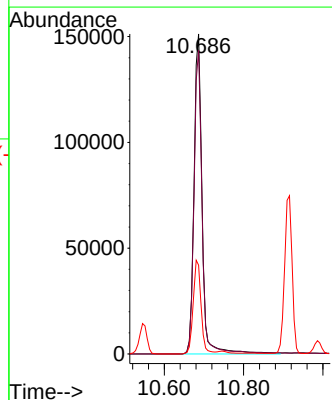
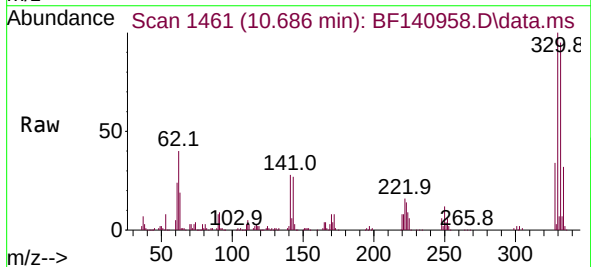
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

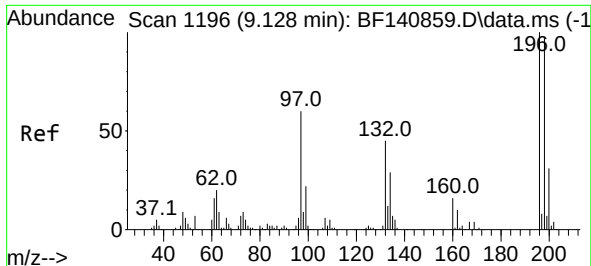
Tgt Ion:237	Resp:	58731
Ion Ratio	Lower	Upper
237	100	
235	59.4	43.7 83.7
272	12.8	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 154.774 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:330	Resp:	215198
Ion Ratio	Lower	Upper
330	100	
332	92.9	76.2 114.4
141	28.5	24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 52.426 ng

RT: 9.133 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

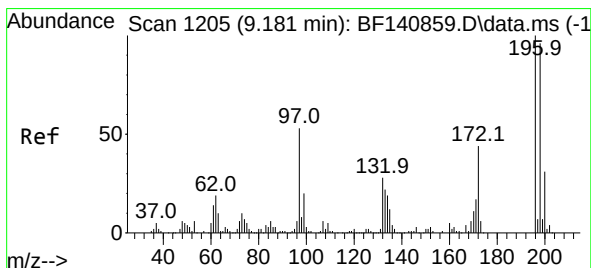
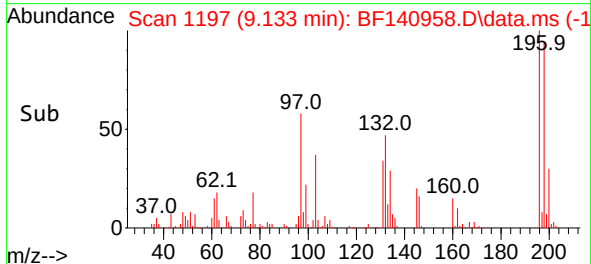
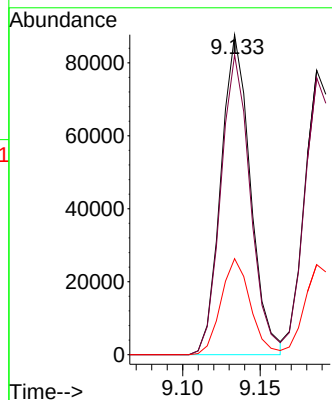
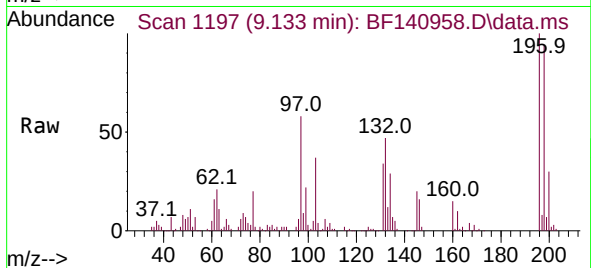
Tgt Ion:196 Resp: 115996

Ion Ratio Lower Upper

196 100

198 93.6 77.4 116.0

200 30.0 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 48.995 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Tgt Ion:196 Resp: 119151

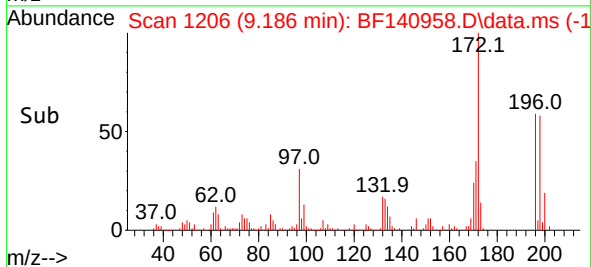
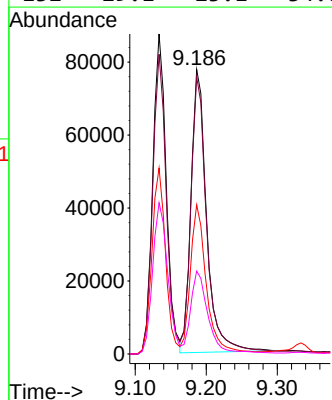
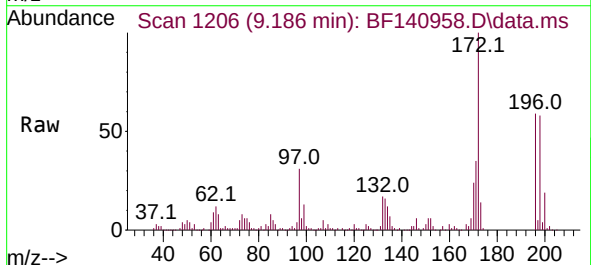
Ion Ratio Lower Upper

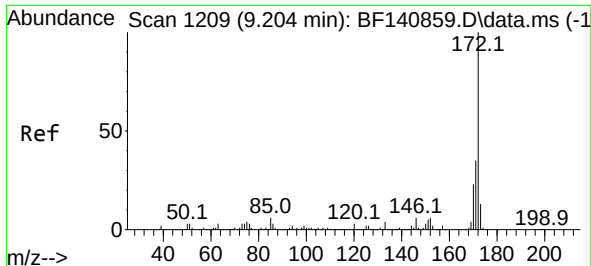
196 100

198 97.4 77.2 115.8

97 52.4 42.2 63.4

132 29.1 23.1 34.7

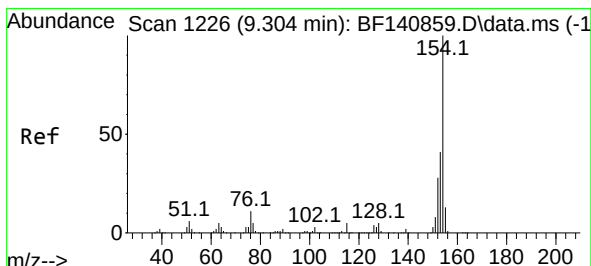
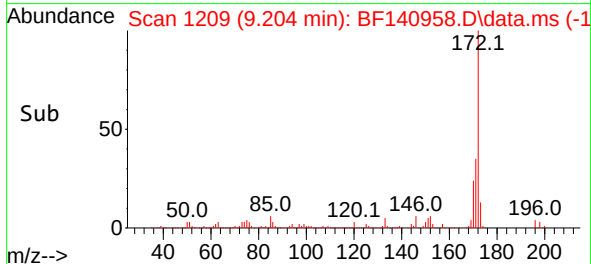
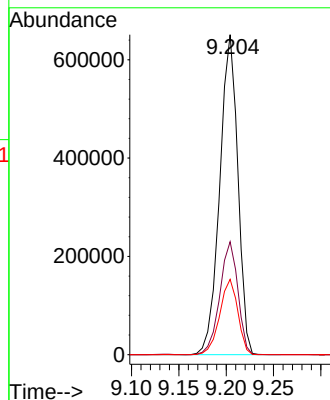
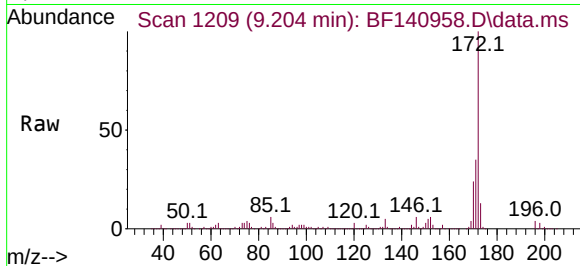




#45
2-Fluorobiphenyl
Concen: 101.351 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

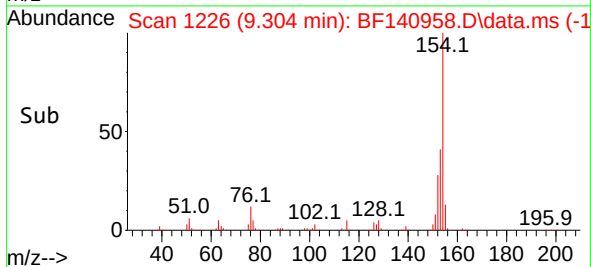
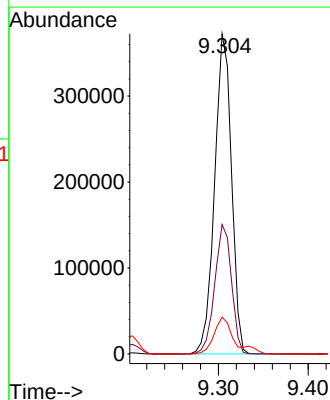
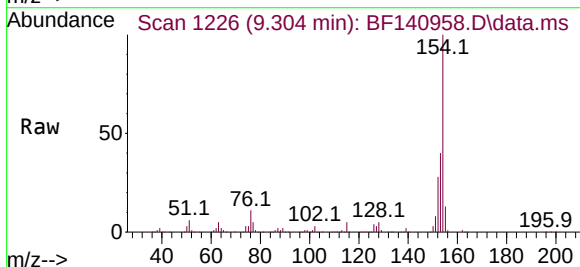
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

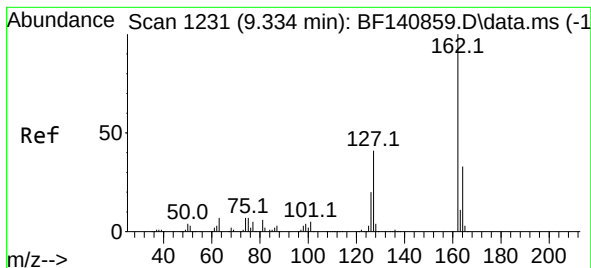
Tgt Ion:172 Resp: 866629
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.6 18.6 28.0



#46
1,1'-Biphenyl
Concen: 51.951 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:154 Resp: 485644
Ion Ratio Lower Upper
154 100
153 40.5 20.8 60.8
76 11.5 0.0 31.0





#47

2-Chloronaphthalene

Concen: 50.883 ng

RT: 9.333 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

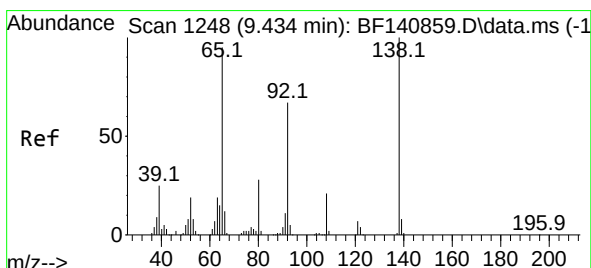
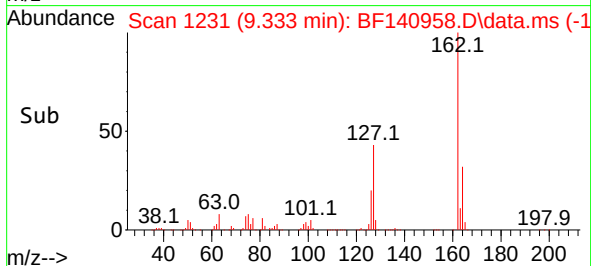
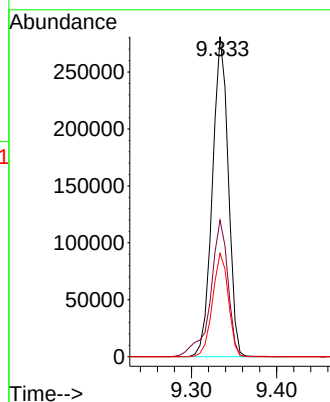
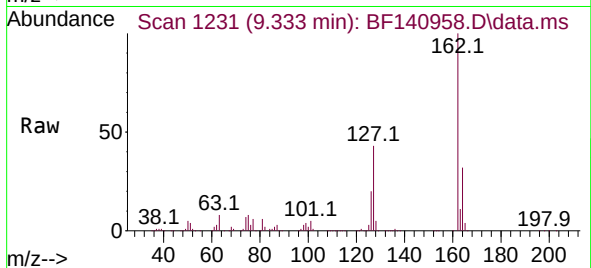
Tgt Ion:162 Resp: 363887

Ion Ratio Lower Upper

162 100

127 42.6 33.5 50.3

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 52.990 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

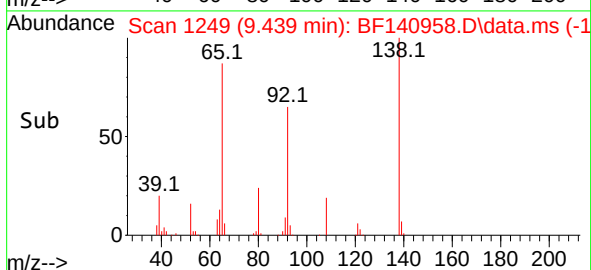
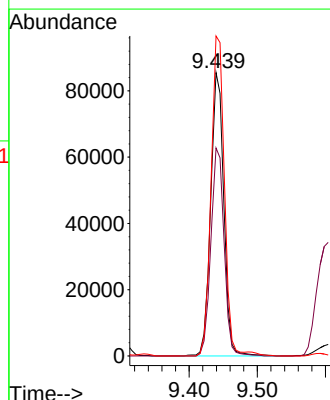
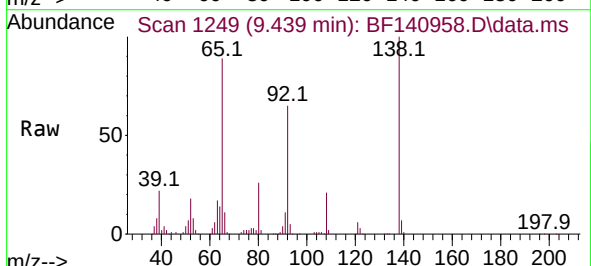
Tgt Ion: 65 Resp: 114449

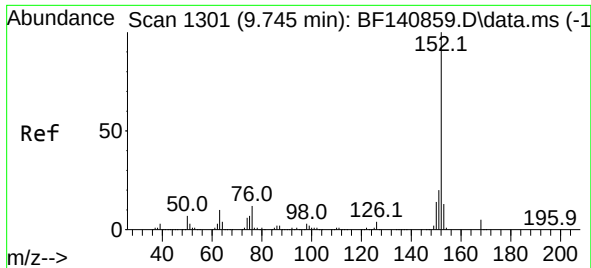
Ion Ratio Lower Upper

65 100

92 73.4 56.3 84.5

138 112.9 83.8 125.6





#49

Acenaphthylene

Concen: 56.638 ng

RT: 9.751 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

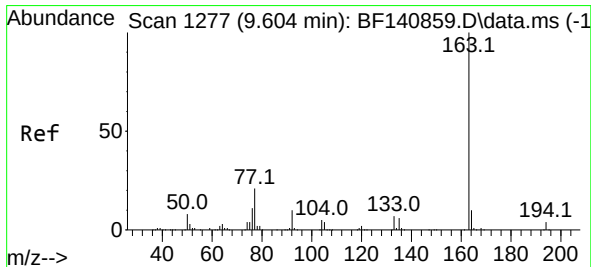
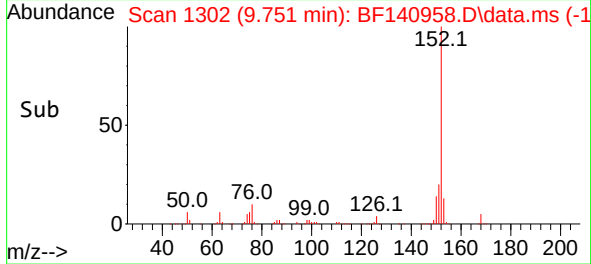
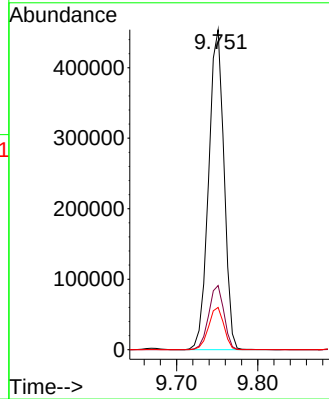
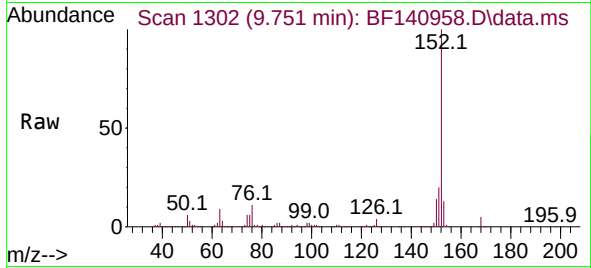
Tgt Ion:152 Resp: 595245

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 52.685 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

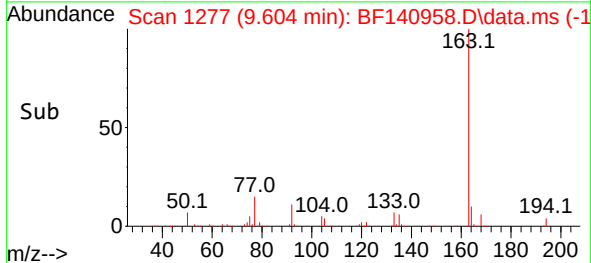
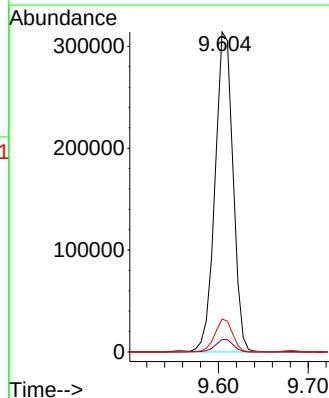
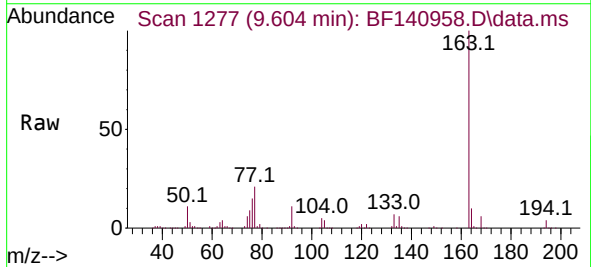
Tgt Ion:163 Resp: 436668

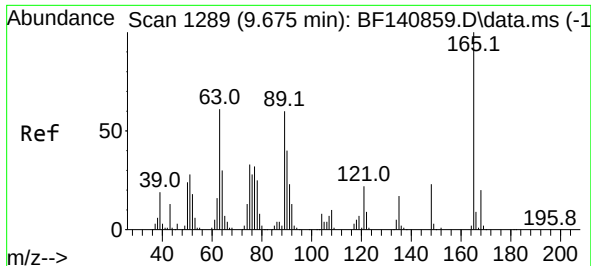
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.2 8.1 12.1

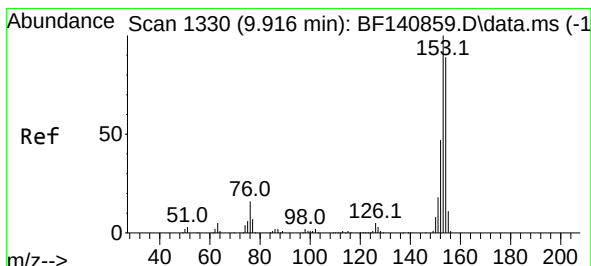
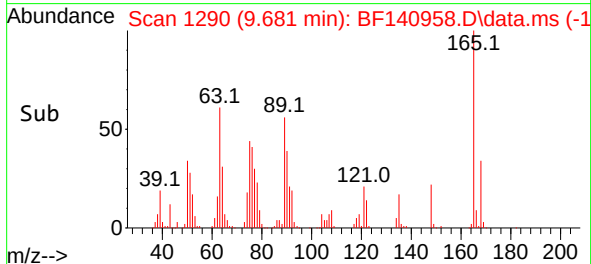
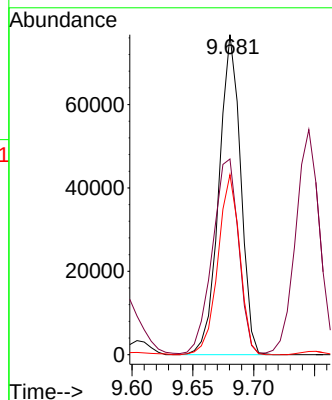
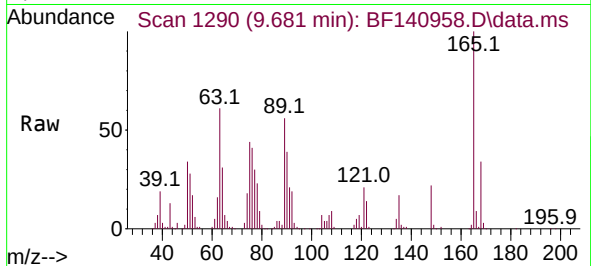




#51
2,6-Dinitrotoluene
Concen: 50.163 ng
RT: 9.681 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

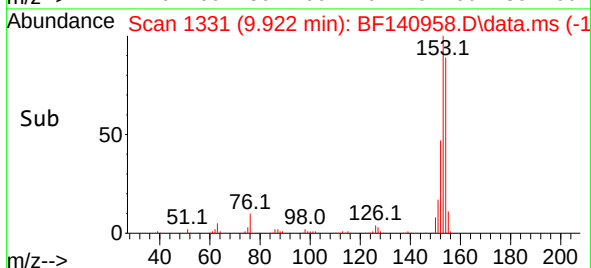
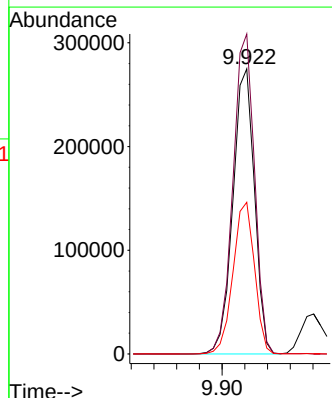
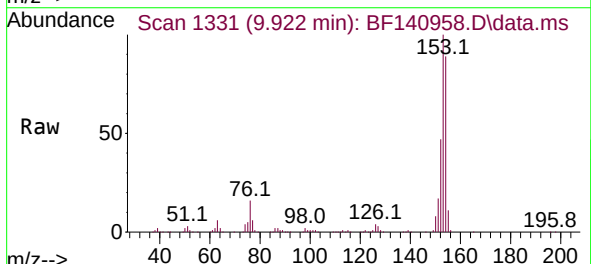
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

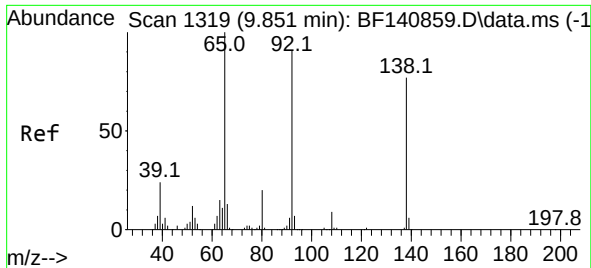
Tgt Ion:165 Resp: 95047
Ion Ratio Lower Upper
165 100
63 61.2 49.7 74.5
89 56.3 48.2 72.4



#52
Acenaphthene
Concen: 53.925 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:154 Resp: 362020
Ion Ratio Lower Upper
154 100
153 112.2 89.9 134.9
152 53.2 42.6 63.8

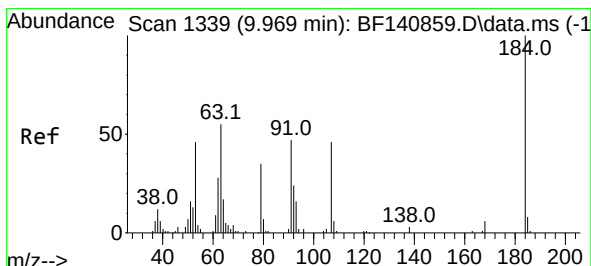
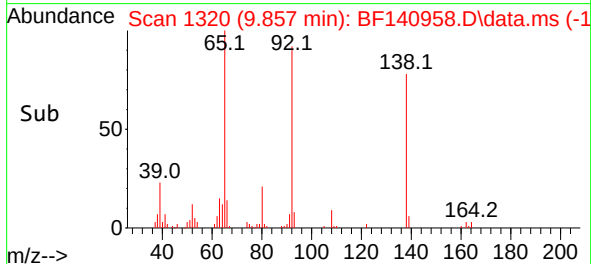
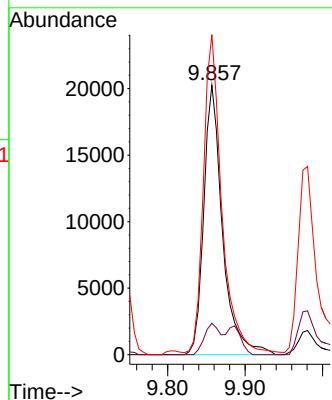
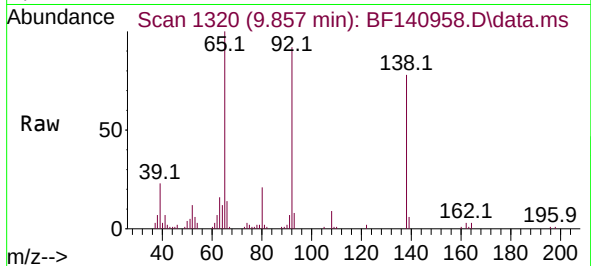




#53
3-Nitroaniline
Concen: 18.114 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

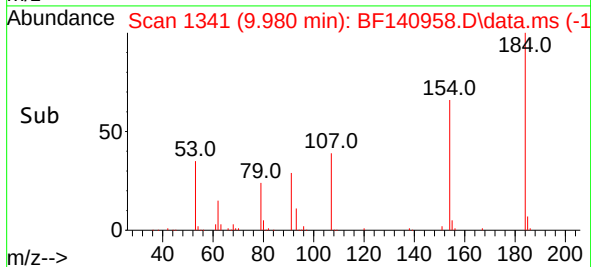
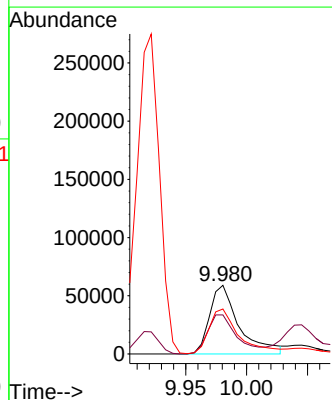
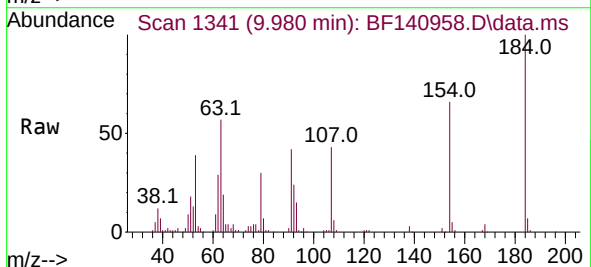
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

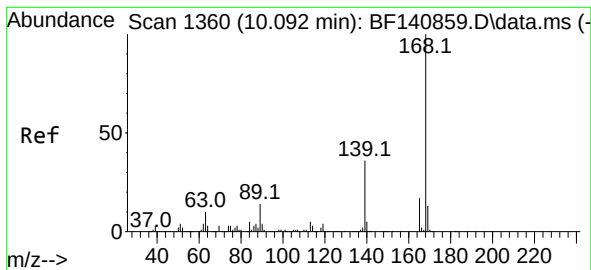
Tgt Ion:138 Resp: 34060
Ion Ratio Lower Upper
138 100
108 11.6 9.0 13.4
92 118.8 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 105.187 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:184 Resp: 99319
Ion Ratio Lower Upper
184 100
63 57.0 51.6 77.4
154 65.6 56.1 84.1





#55

Dibenzenofuran

Concen: 52.864 ng

RT: 10.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

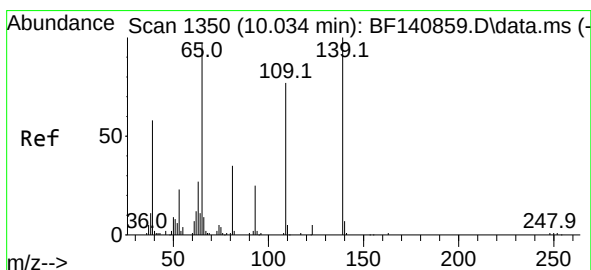
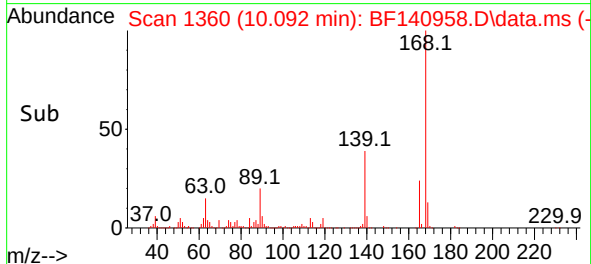
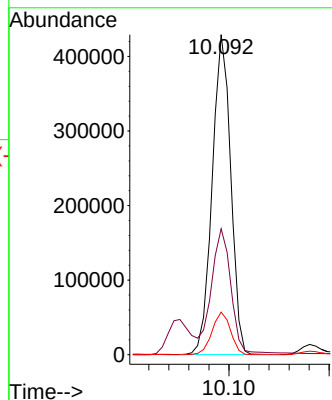
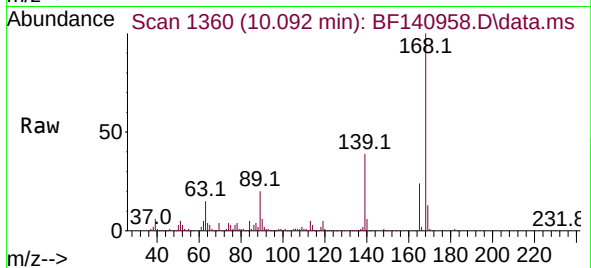
Tgt Ion:168 Resp: 549935

Ion Ratio Lower Upper

168 100

139 39.4 31.1 46.7

169 13.3 10.6 16.0



#56

4-Nitrophenol

Concen: 76.290 ng

RT: 10.051 min Scan# 1353

Delta R.T. 0.017 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

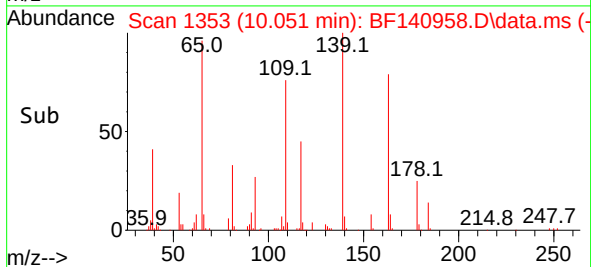
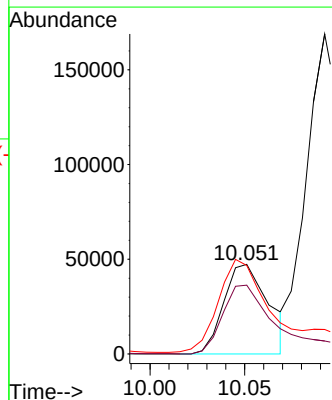
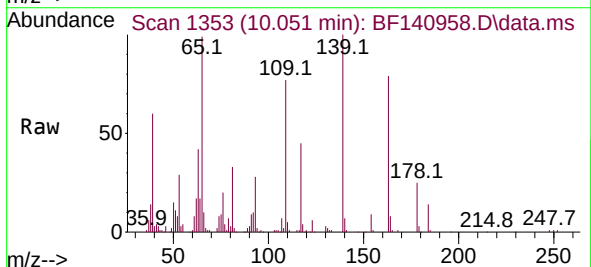
Tgt Ion:139 Resp: 76943

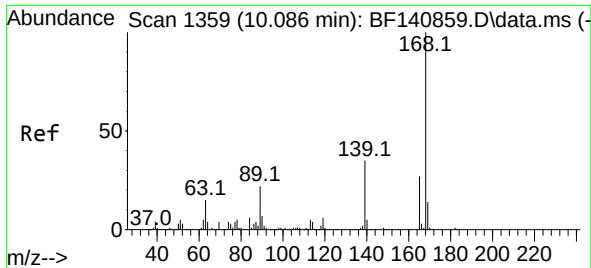
Ion Ratio Lower Upper

139 100

109 76.7 56.7 96.7

65 98.7 78.1 118.1



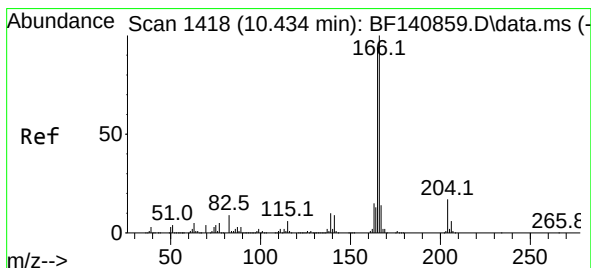
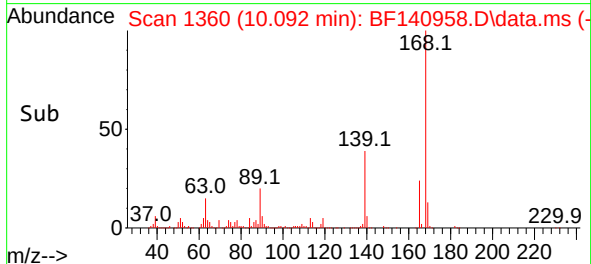
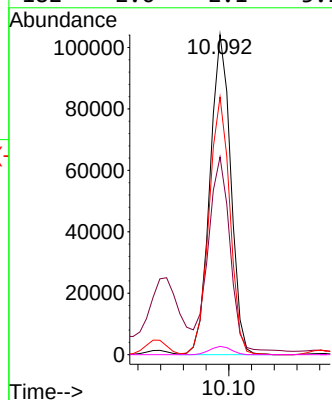
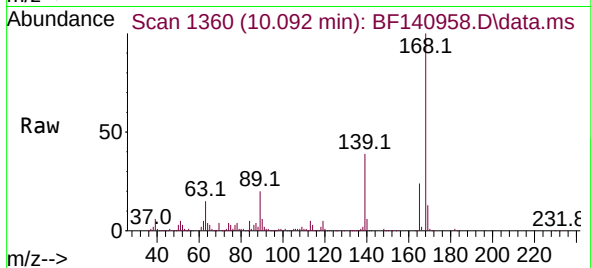


#57
2,4-Dinitrotoluene
Concen: 53.137 ng
RT: 10.092 min Scan# 1359
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Instrument :
BNA_F
ClientSampleId :
TP-5MSD

Tgt Ion:165 Resp: 132470

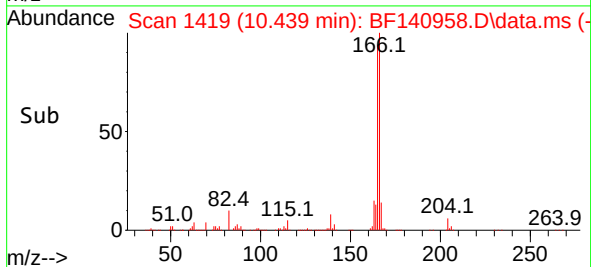
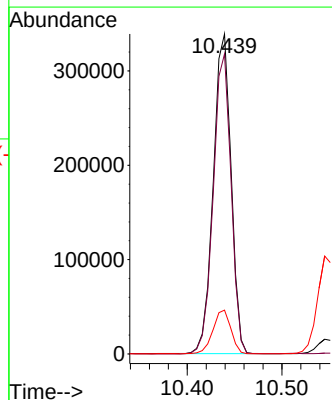
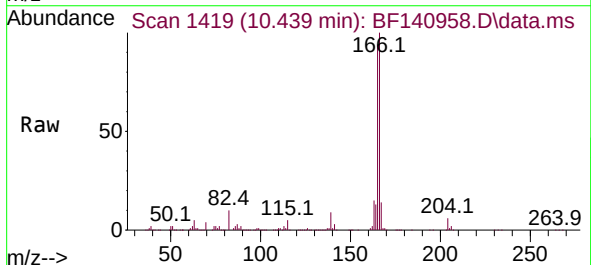
Ion	Ratio	Lower	Upper
165	100		
63	61.8	49.3	73.9
89	80.5	66.2	99.4
182	2.6	2.1	3.1

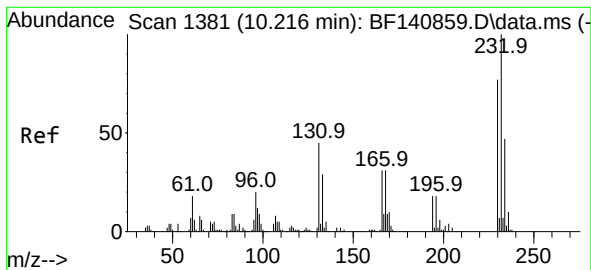


#58
Fluorene
Concen: 51.697 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:166 Resp: 443670

Ion	Ratio	Lower	Upper
166	100		
165	93.8	75.1	112.7
167	13.7	11.1	16.7

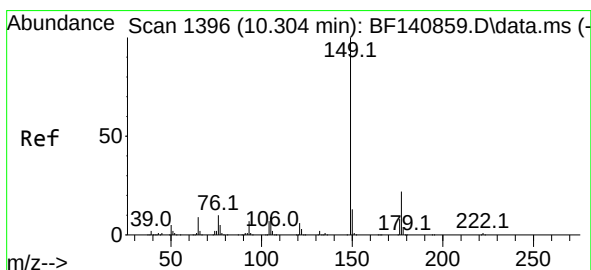
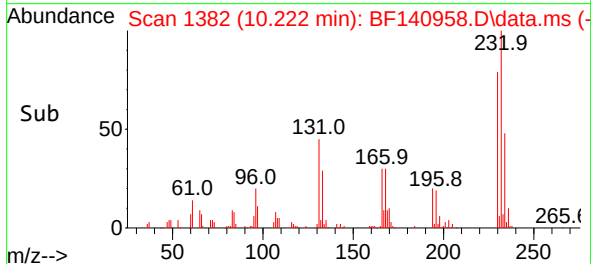
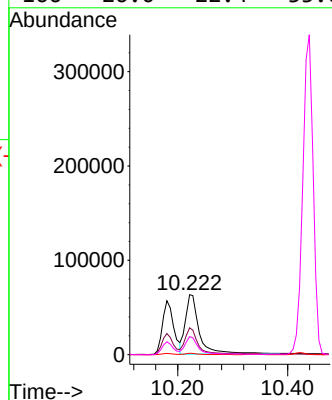
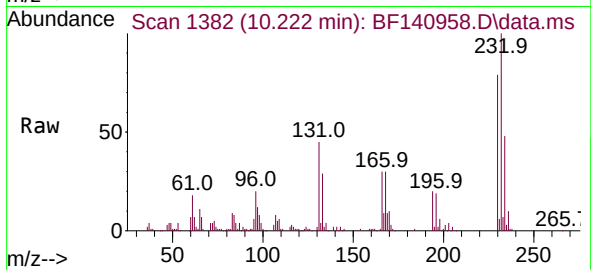




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.737 ng
RT: 10.222 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

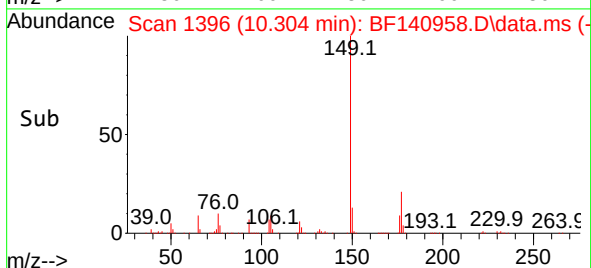
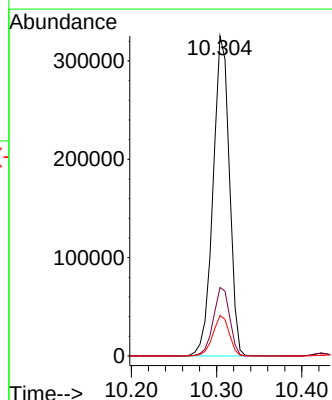
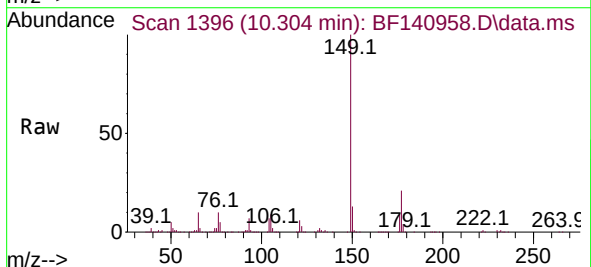
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

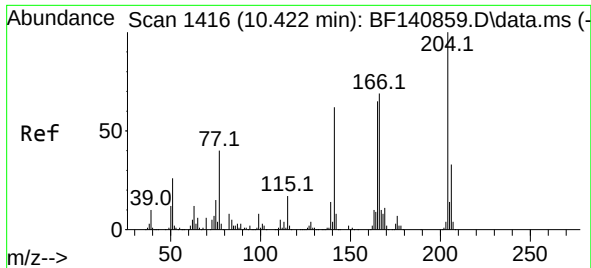
Tgt Ion:232 Resp: 108468
Ion Ratio Lower Upper
232 100
131 38.1 35.1 52.7
130 1.9 1.8 2.8
166 26.0 22.4 33.6



#60
Diethylphthalate
Concen: 50.390 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:149 Resp: 433086
Ion Ratio Lower Upper
149 100
177 21.4 17.2 25.8
150 12.6 10.1 15.1

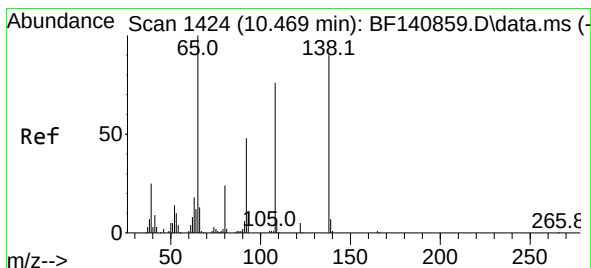
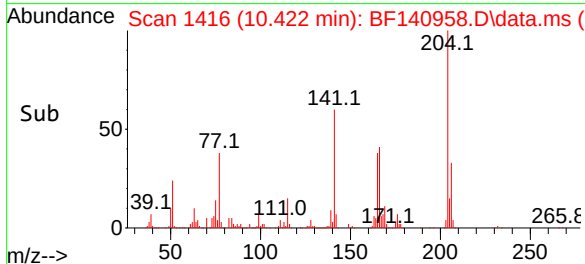
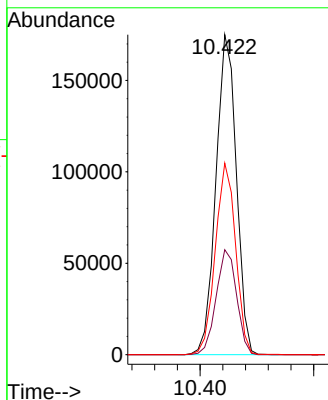
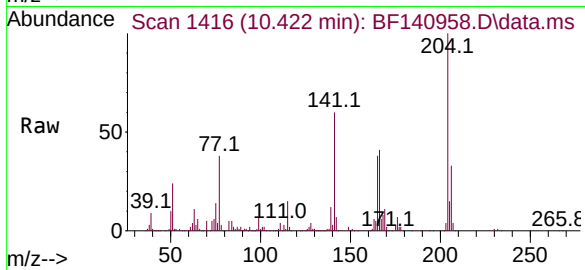




#61
4-Chlorophenyl-phenylether
Concen: 50.753 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

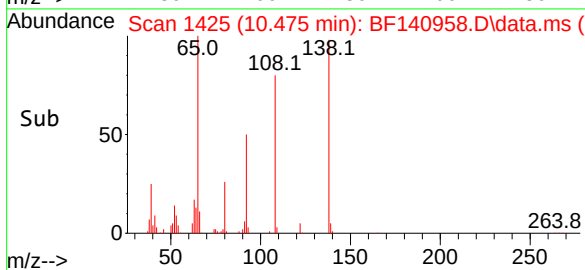
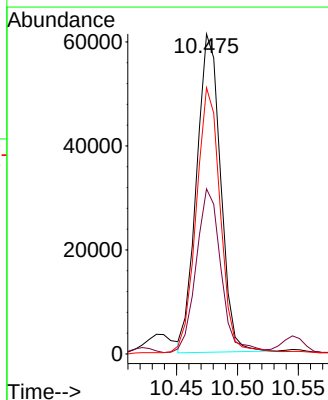
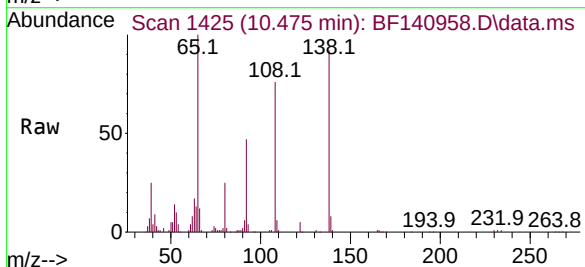
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

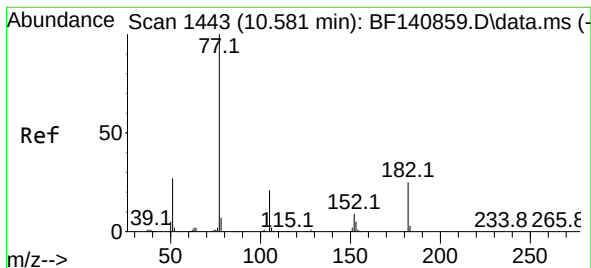
Tgt Ion:204 Resp: 218797
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 59.9 50.0 75.0



#62
4-Nitroaniline
Concen: 42.687 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:138 Resp: 83878
Ion Ratio Lower Upper
138 100
92 51.6 32.6 72.6
108 83.2 64.1 104.1





#63

Azobenzene

Concen: 48.588 ng

RT: 10.586 min Scan# 1444

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

Tgt Ion: 77 Resp: 392585

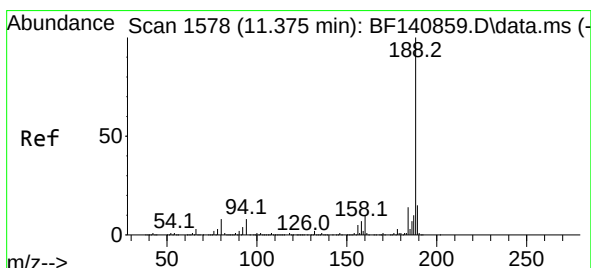
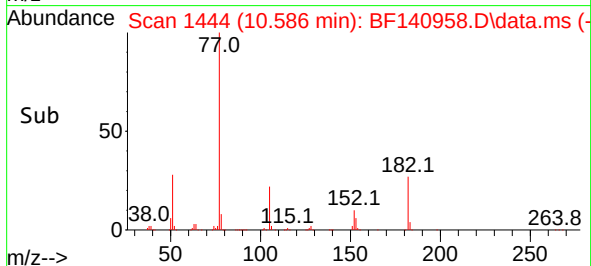
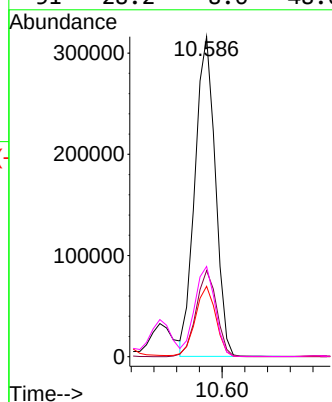
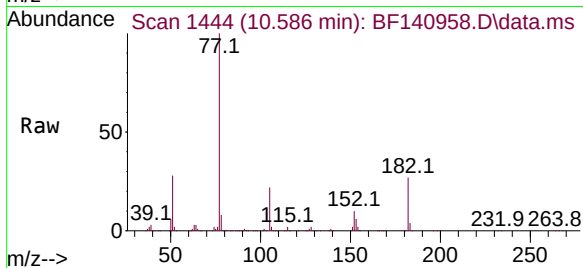
Ion Ratio Lower Upper

77 100

182 26.9 4.5 44.5

105 22.0 0.9 40.9

51 28.2 8.6 48.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1579

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

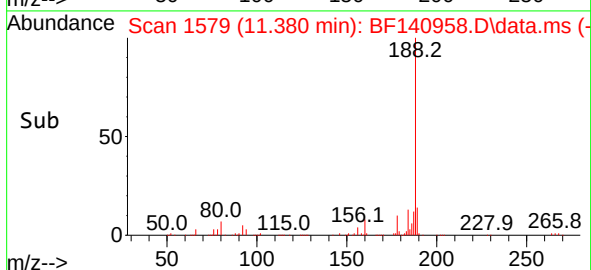
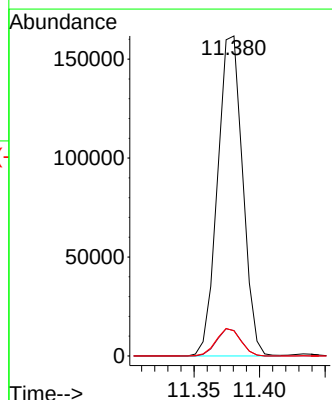
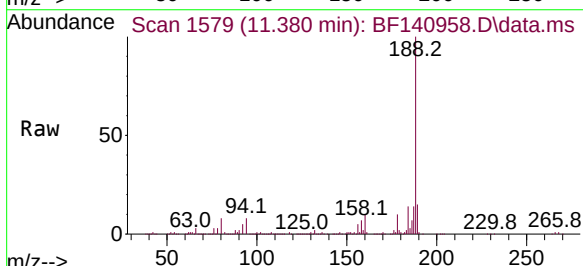
Tgt Ion:188 Resp: 214958

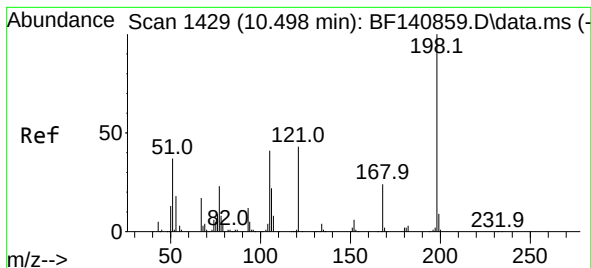
Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 7.8 6.8 10.2

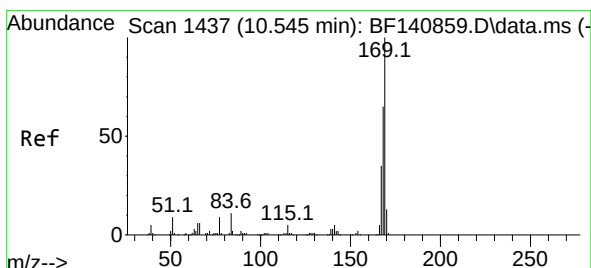
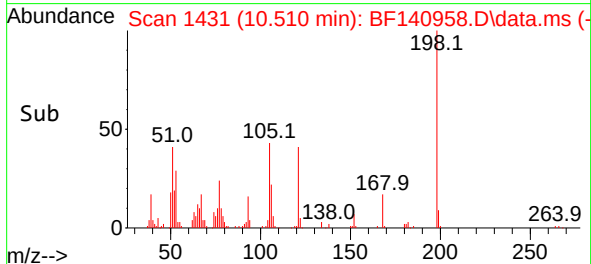
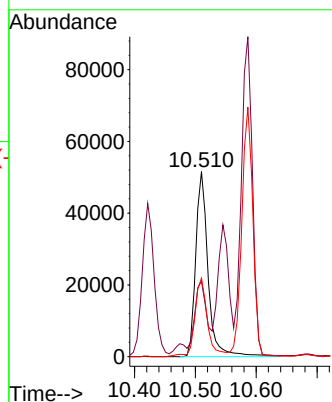
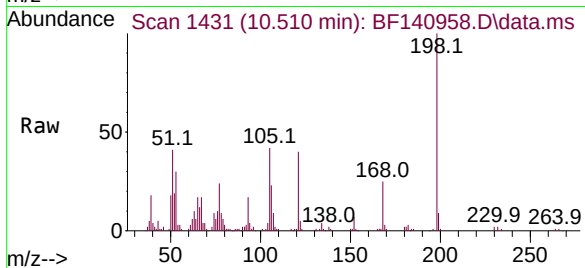




#65
4,6-Dinitro-2-methylphenol
Concen: 59.792 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

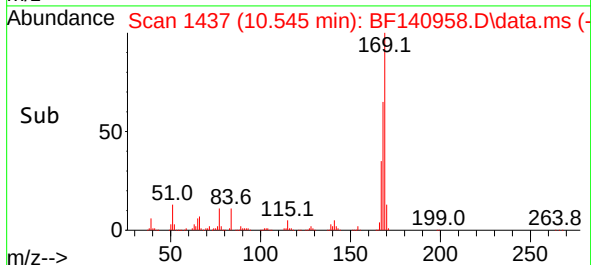
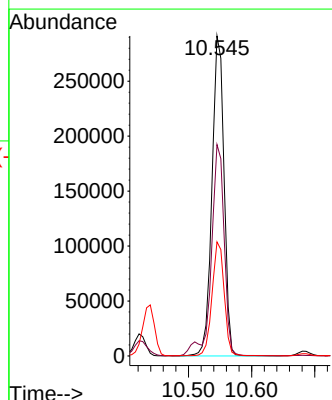
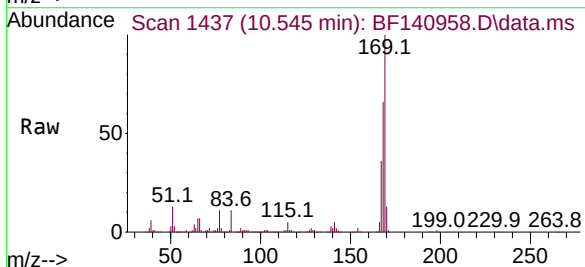
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

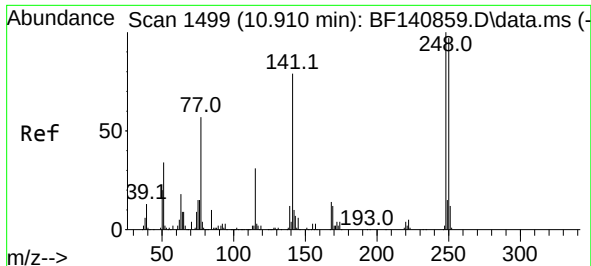
Tgt Ion:198 Resp: 72831
Ion Ratio Lower Upper
198 100
51 40.7 24.4 64.4
105 42.5 22.1 62.1



#66
n-Nitrosodiphenylamine
Concen: 58.327 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:169 Resp: 385484
Ion Ratio Lower Upper
169 100
168 66.0 53.4 80.0
167 35.6 28.3 42.5

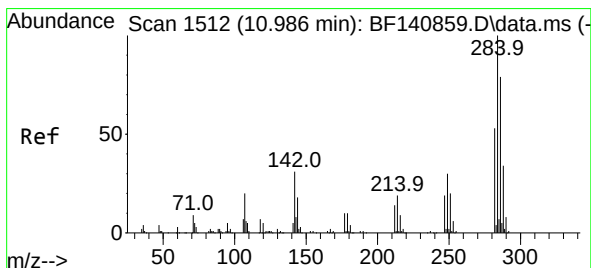
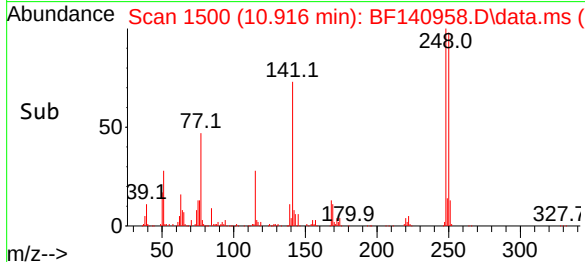
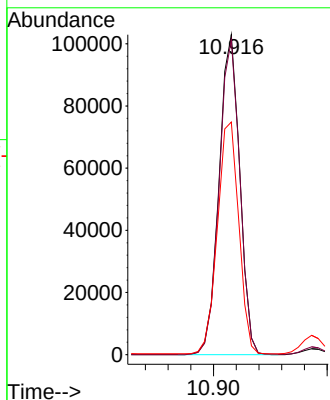
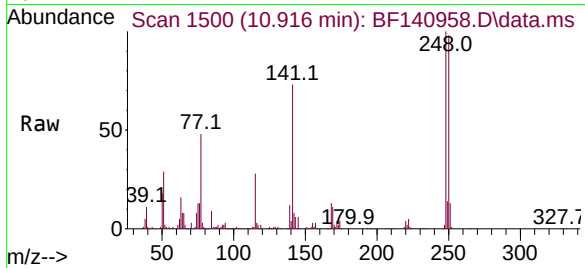




#67
4-Bromophenyl-phenylether
Concen: 54.090 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

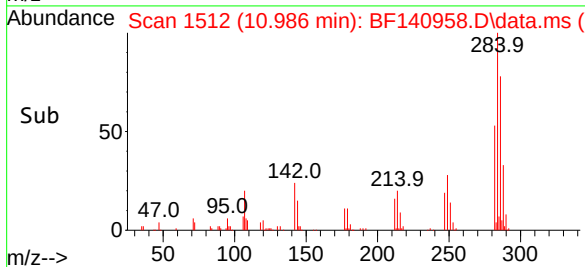
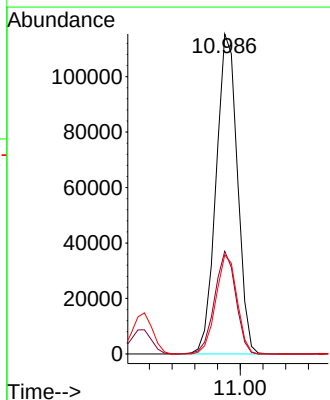
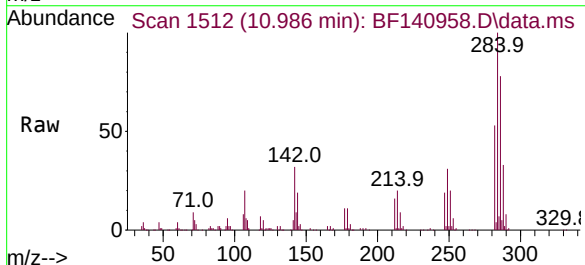
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

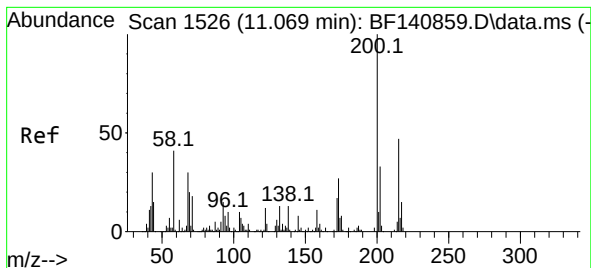
Tgt Ion:248 Resp: 130074
Ion Ratio Lower Upper
248 100
250 98.4 77.4 116.2
141 72.7 62.9 94.3



#68
Hexachlorobenzene
Concen: 55.110 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:284 Resp: 150259
Ion Ratio Lower Upper
284 100
142 32.1 24.6 36.8
249 30.9 24.3 36.5





#69

Atrazine

Concen: 67.982 ng

RT: 11.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

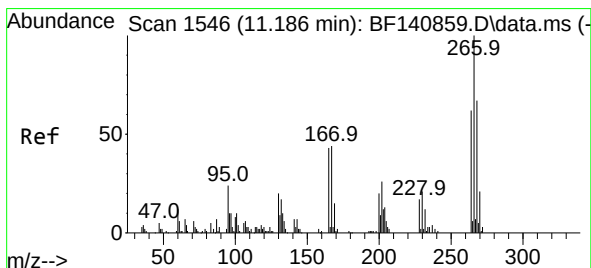
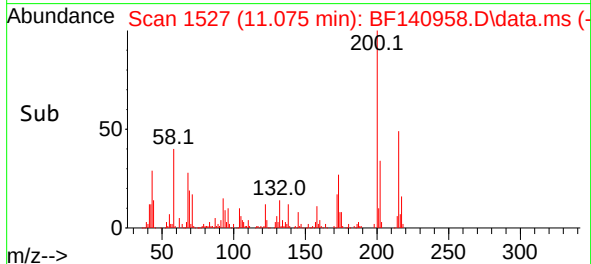
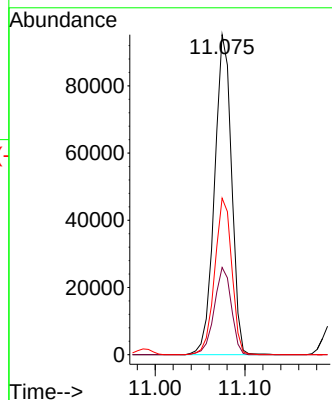
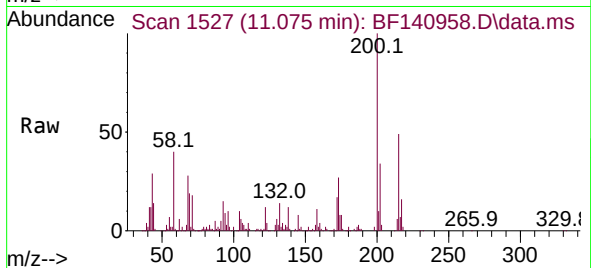
Tgt Ion:200 Resp: 125482

Ion Ratio Lower Upper

200 100

173 27.2 6.6 46.6

215 48.9 26.7 66.7



#70

Pentachlorophenol

Concen: 104.801 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

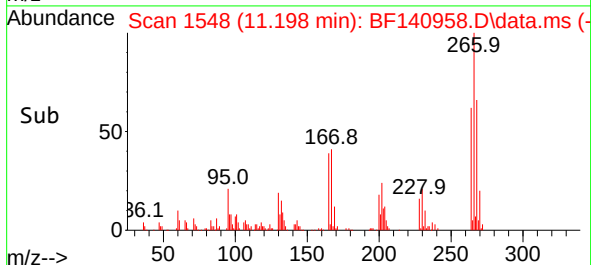
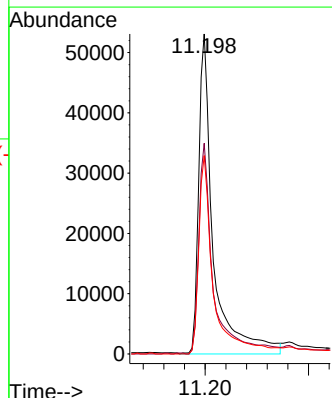
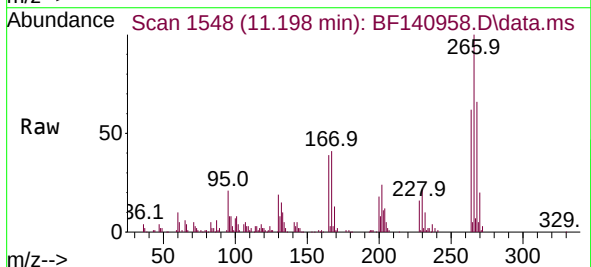
Tgt Ion:266 Resp: 104469

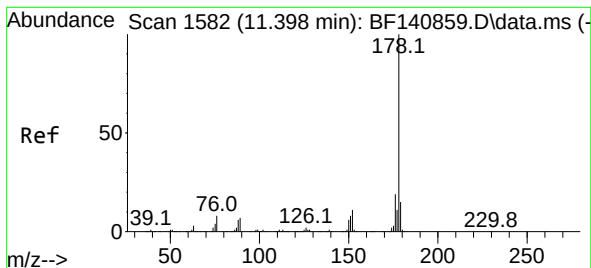
Ion Ratio Lower Upper

266 100

268 65.9 54.0 81.0

264 62.0 49.4 74.2





#71

Phenanthrene

Concen: 56.774 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

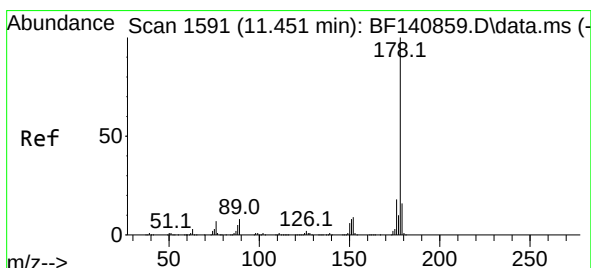
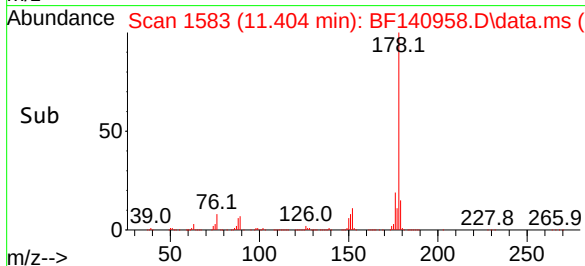
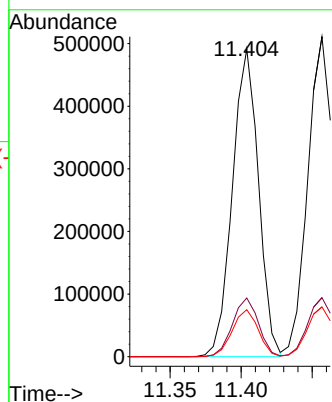
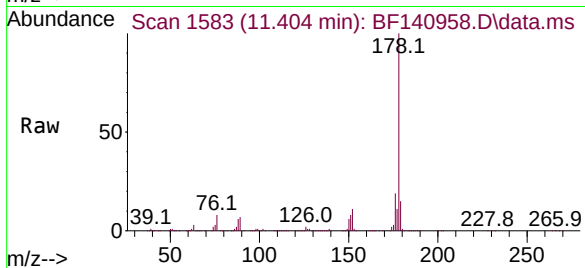
Tgt Ion:178 Resp: 627586

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.3 12.1 18.1



#72

Anthracene

Concen: 59.630 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

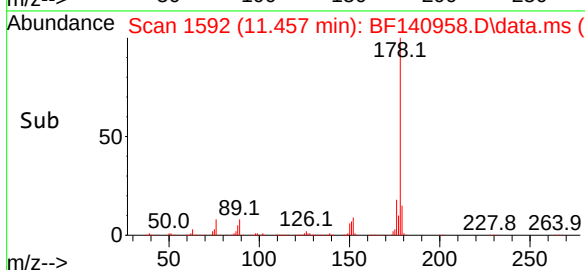
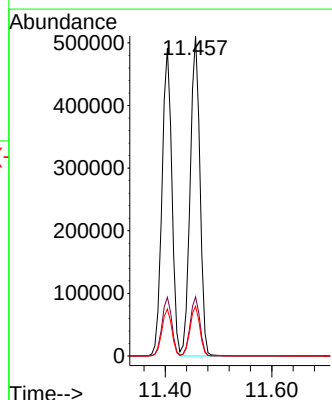
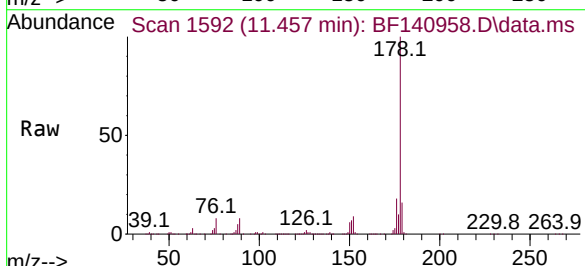
Tgt Ion:178 Resp: 649137

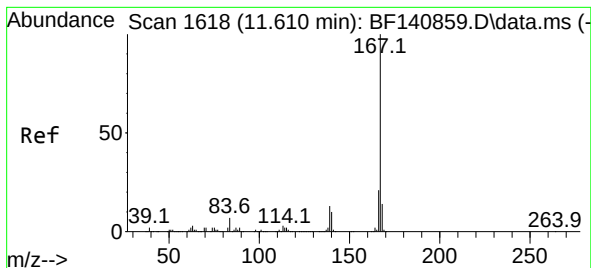
Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

179 15.5 12.6 18.8





#73

Carbazole

Concen: 57.072 ng

RT: 11.616 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

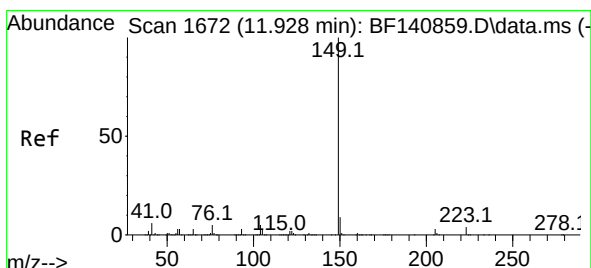
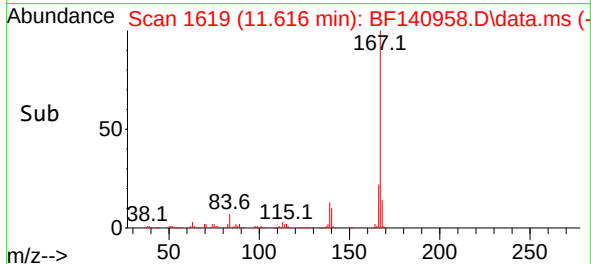
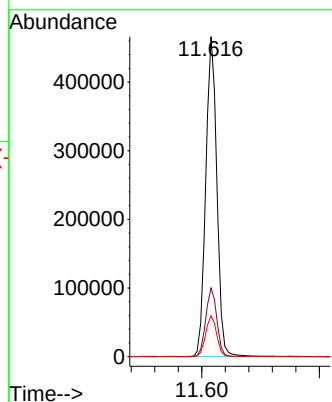
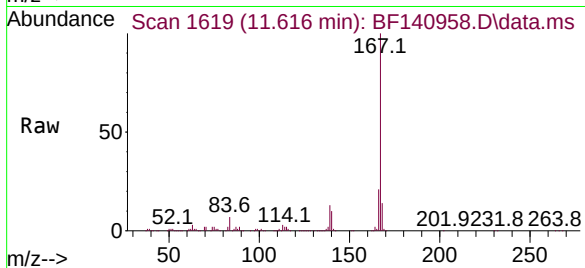
Tgt Ion:167 Resp: 608541

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

139 12.8 10.2 15.2



#74

Di-n-butylphthalate

Concen: 53.472 ng

RT: 11.927 min Scan# 1672

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

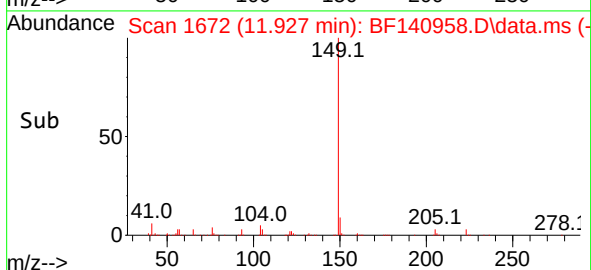
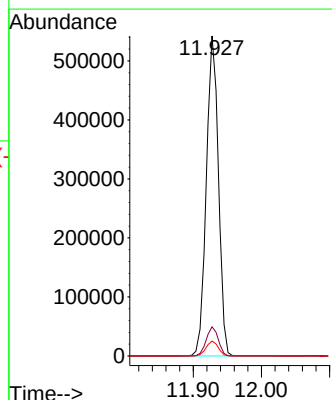
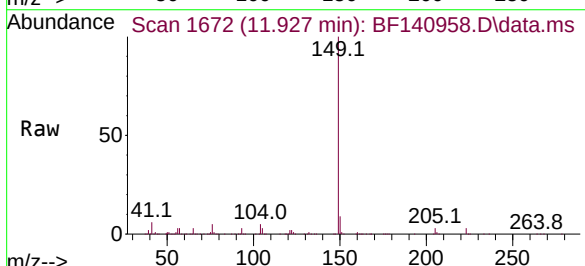
Tgt Ion:149 Resp: 669148

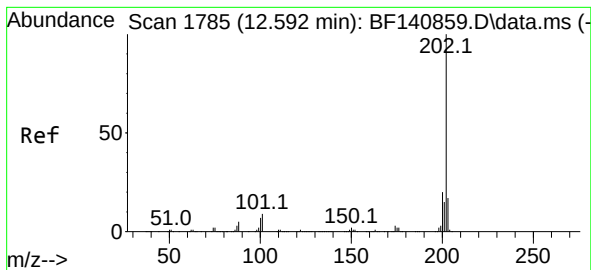
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 55.956 ng

RT: 12.598 min Scan# 1786

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

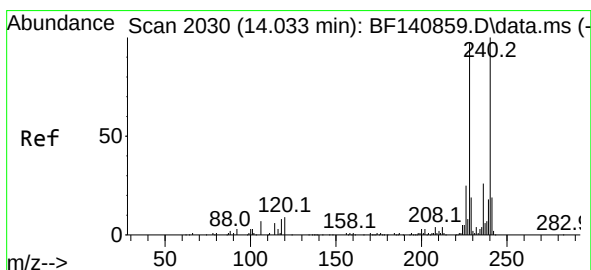
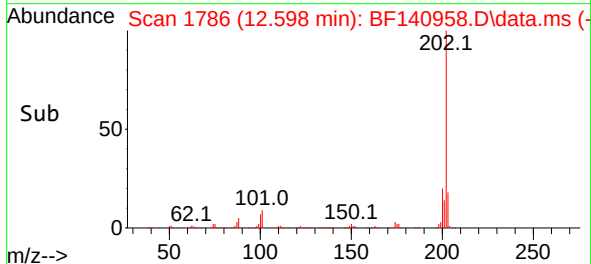
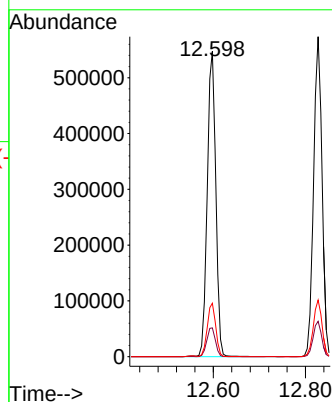
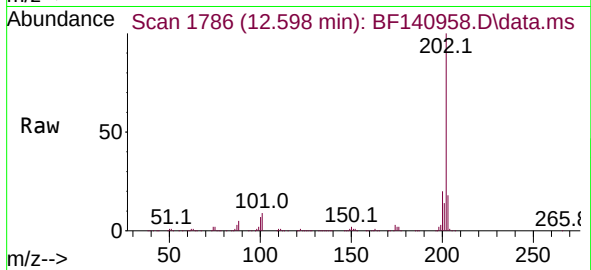
Tgt Ion:202 Resp: 712346

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

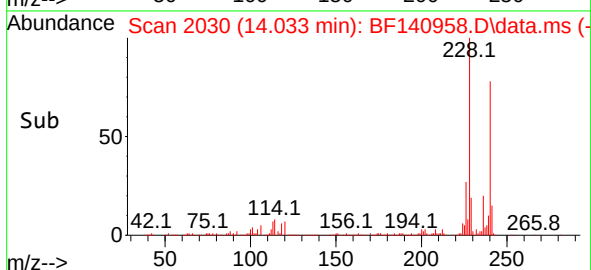
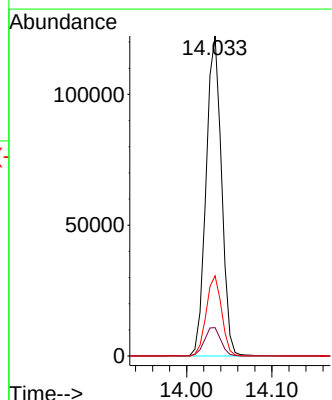
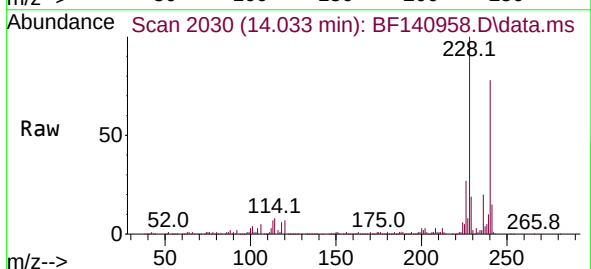
Tgt Ion:240 Resp: 153902

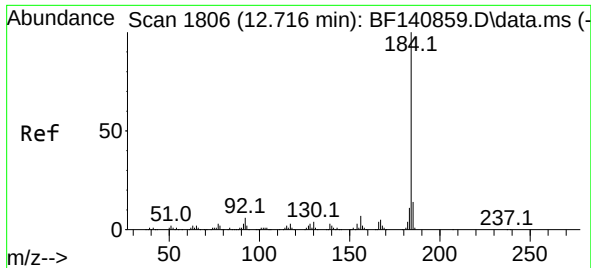
Ion Ratio Lower Upper

240 100

120 8.8 7.6 11.4

236 25.1 20.5 30.7

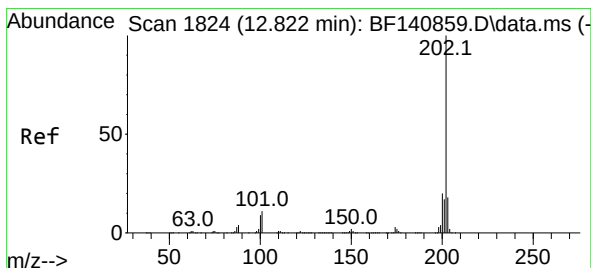
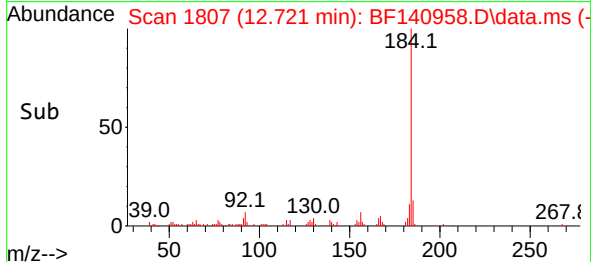
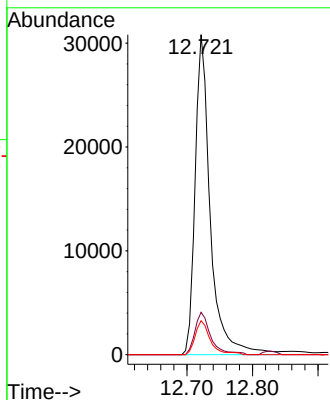
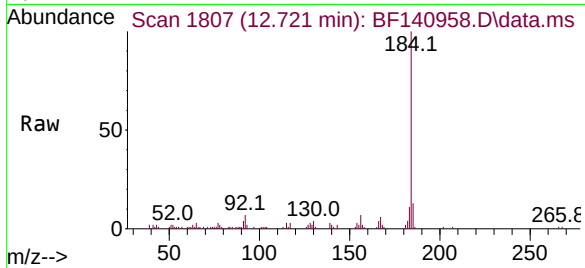




#77
Benzidine
Concen: 15.807 ng
RT: 12.721 min Scan# 1807
Delta R.T. 0.005 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

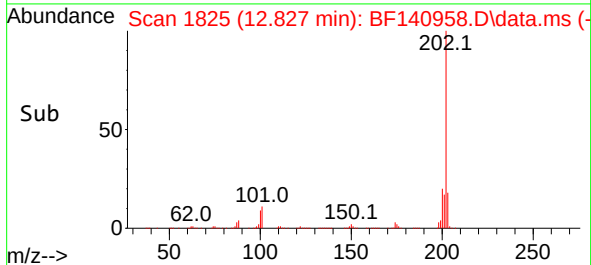
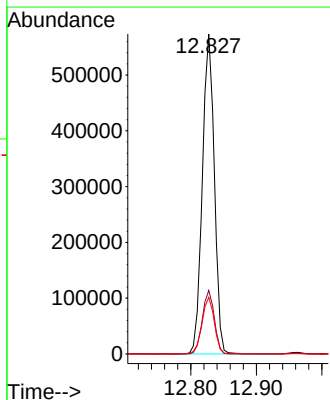
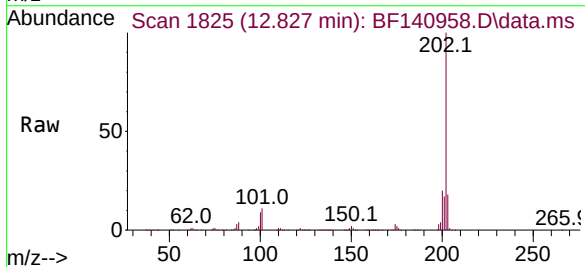
Instrument :
BNA_F
ClientSampleId :
TP-5MSD

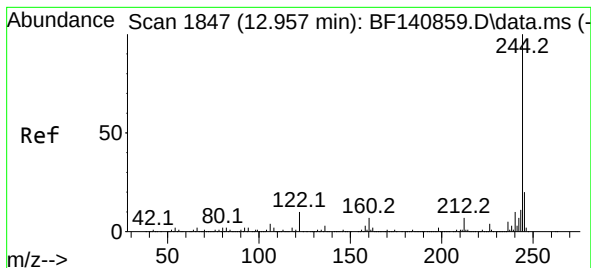
Tgt Ion:184 Resp: 49651
Ion Ratio Lower Upper
184 100
185 13.2 11.1 16.7
183 10.6 9.0 13.4



#78
Pyrene
Concen: 53.343 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:202 Resp: 730040
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 103.111 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

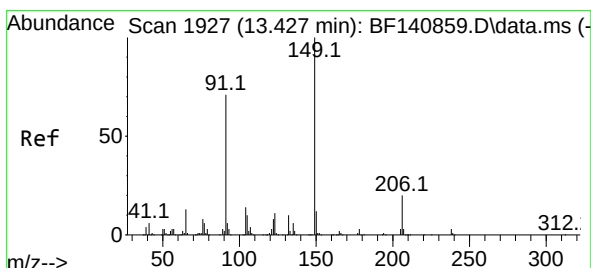
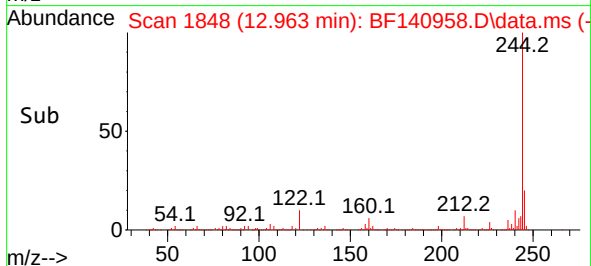
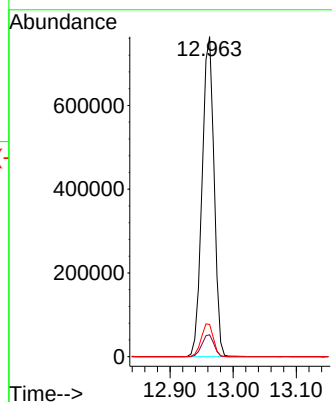
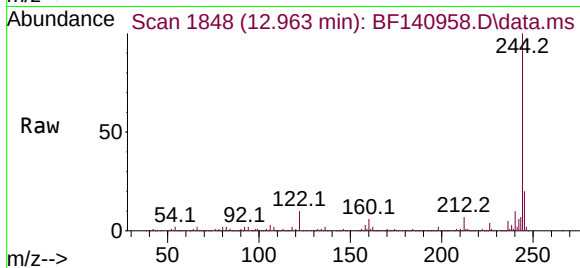
Tgt Ion:244 Resp: 1006364

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 54.612 ng

RT: 13.427 min Scan# 1927

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

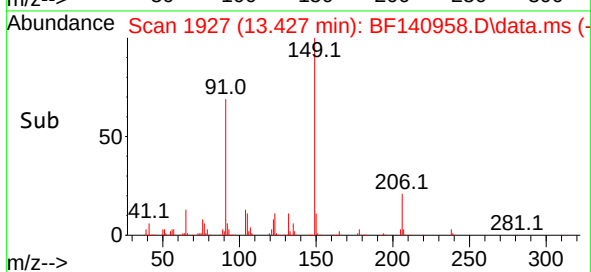
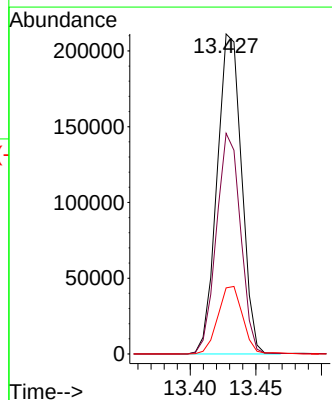
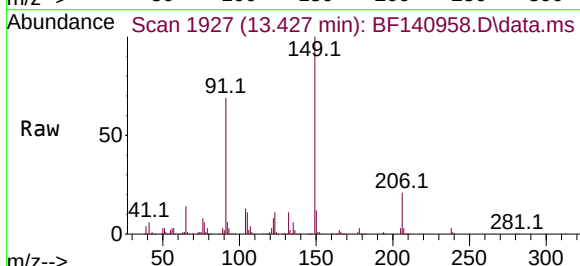
Tgt Ion:149 Resp: 275011

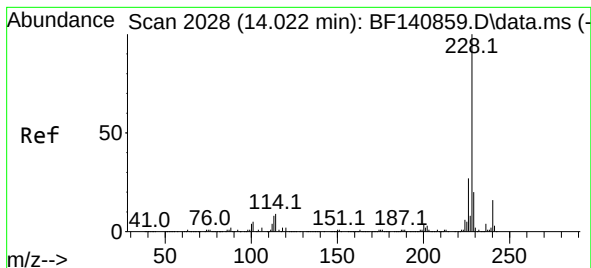
Ion Ratio Lower Upper

149 100

91 69.0 56.7 85.1

206 20.7 16.4 24.6





#81

Benzo(a)anthracene

Concen: 51.690 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

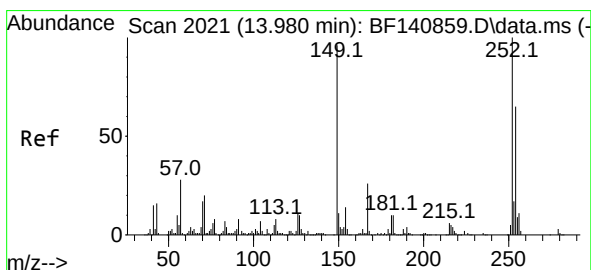
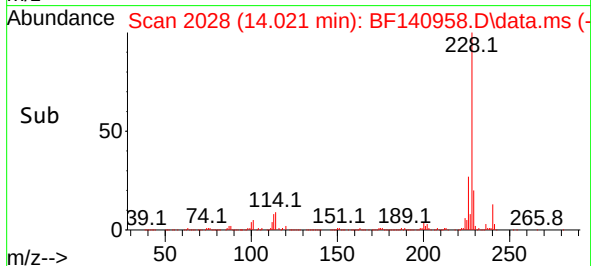
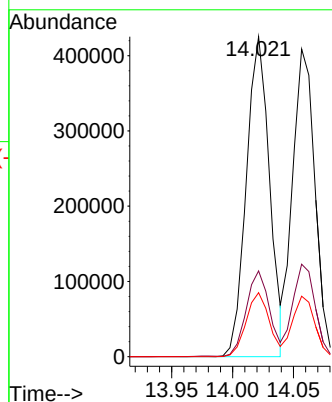
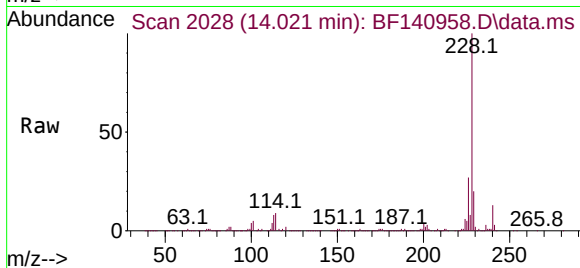
Tgt Ion:228 Resp: 563815

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.8

229 20.0 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 18.822 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

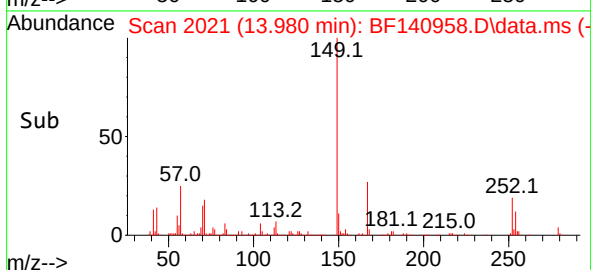
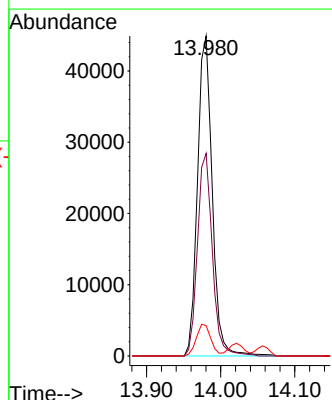
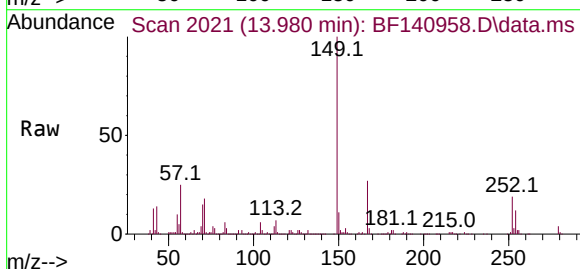
Tgt Ion:252 Resp: 61942

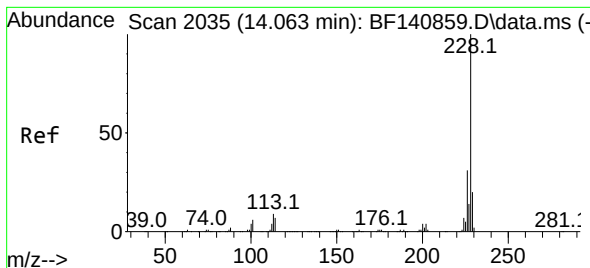
Ion Ratio Lower Upper

252 100

254 63.3 52.3 78.5

126 9.5 8.4 12.6





#83

Chrysene

Concen: 52.719 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

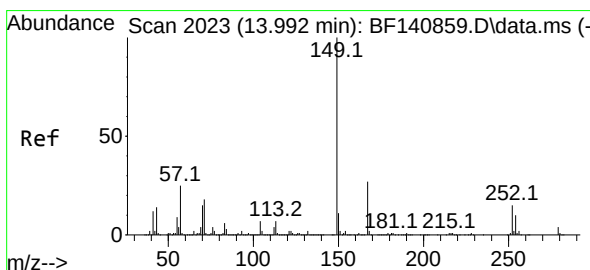
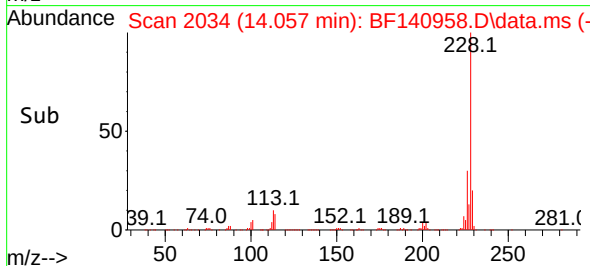
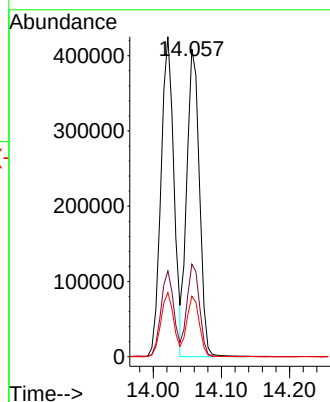
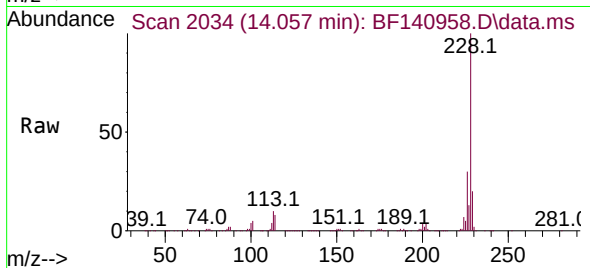
Tgt Ion:228 Resp: 522903

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 19.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.040 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

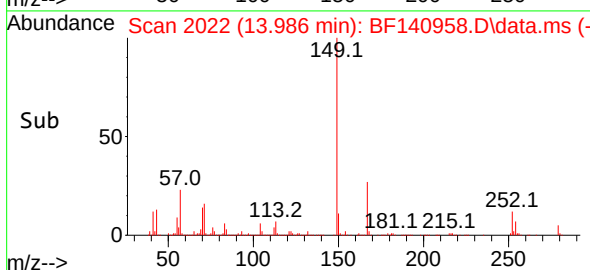
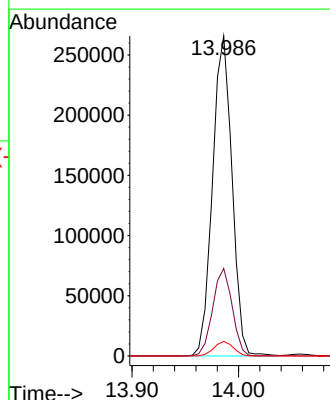
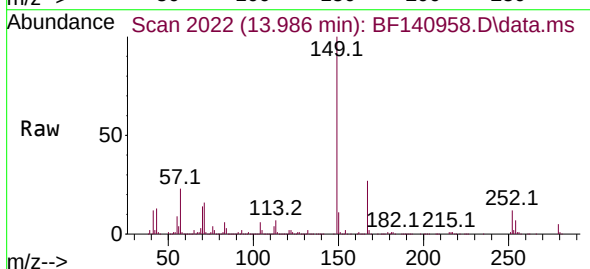
Tgt Ion:149 Resp: 337909

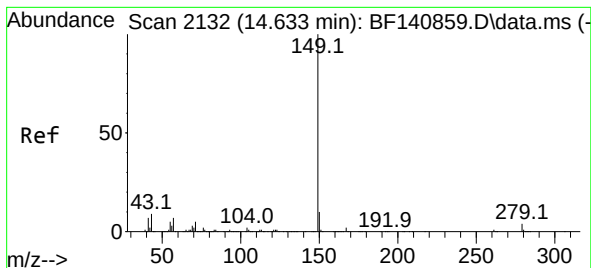
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

279 4.6 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 47.737 ng

RT: 14.610 min Scan# 2132

Delta R.T. -0.024 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

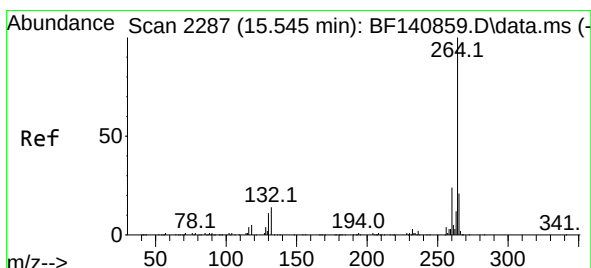
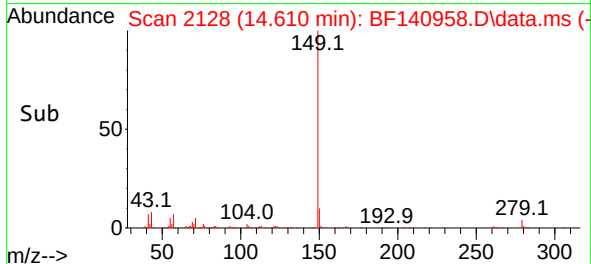
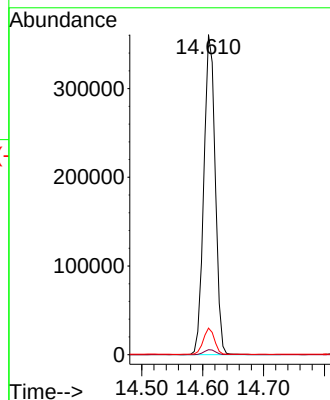
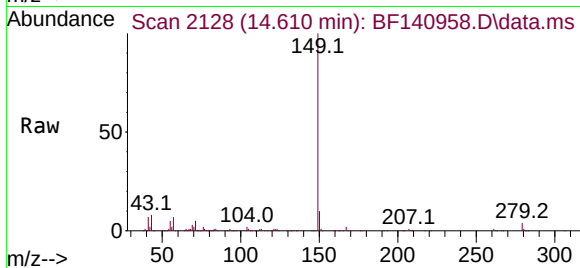
Tgt Ion:149 Resp: 468940

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.0 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.018 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

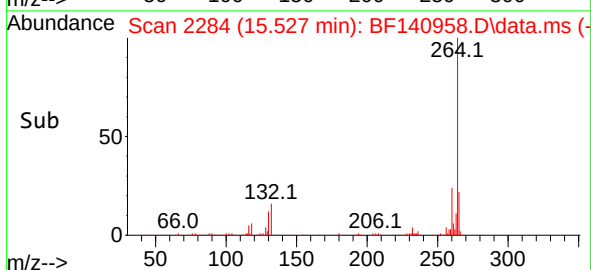
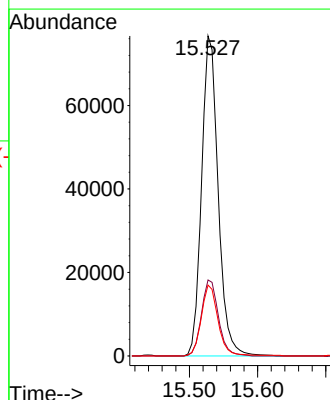
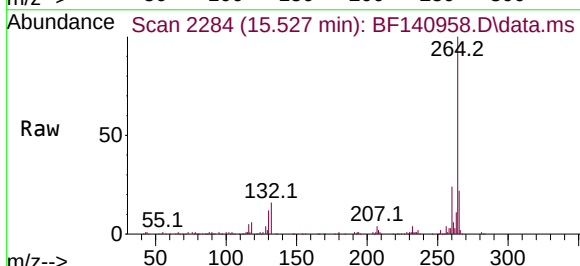
Tgt Ion:264 Resp: 129644

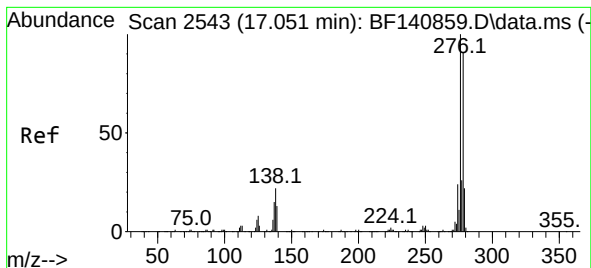
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.230 ng

RT: 17.051 min Scan# 2110

Delta R.T. -0.000 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

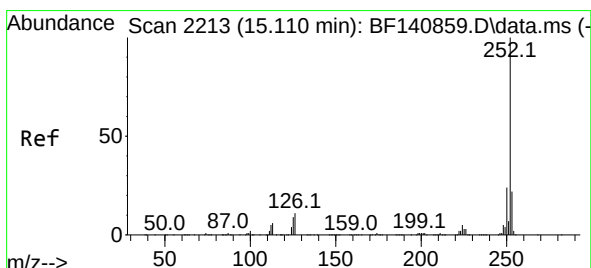
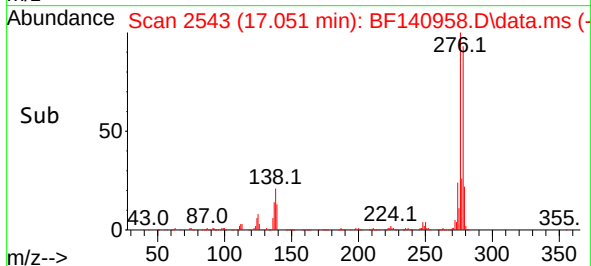
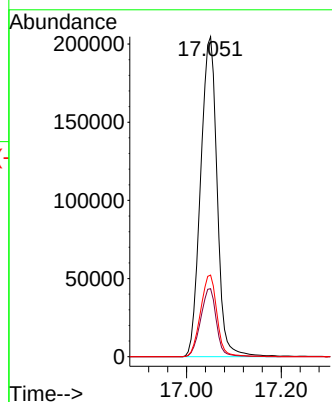
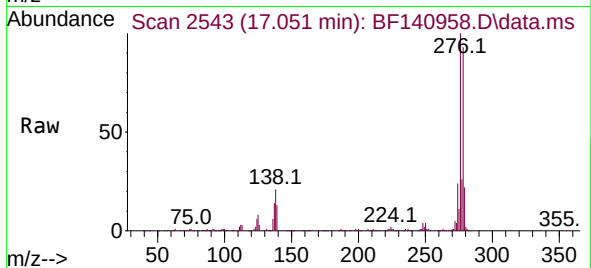
Tgt Ion:276 Resp: 495365

Ion Ratio Lower Upper

276 100

138 20.4 16.9 25.3

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 55.417 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.018 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

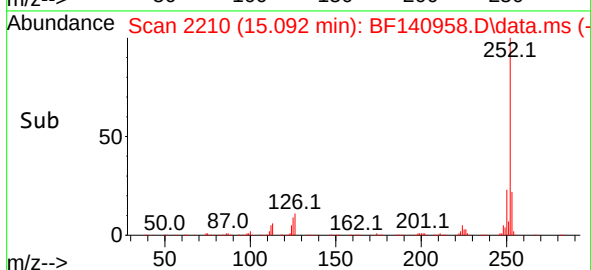
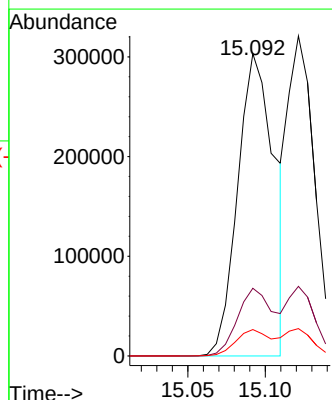
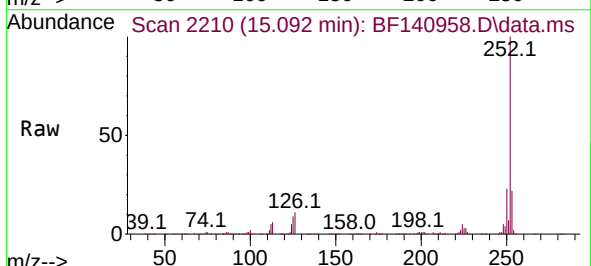
Tgt Ion:252 Resp: 498705

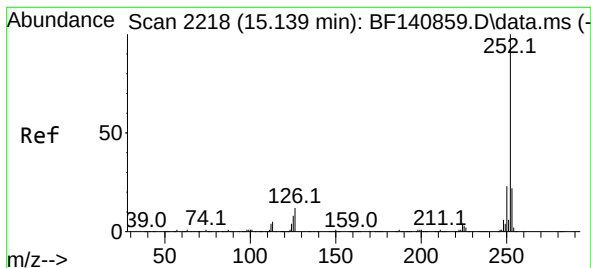
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 50.473 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

Instrument :

BNA_F

ClientSampleId :

TP-5MSD

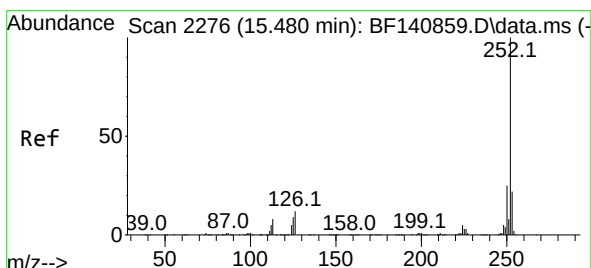
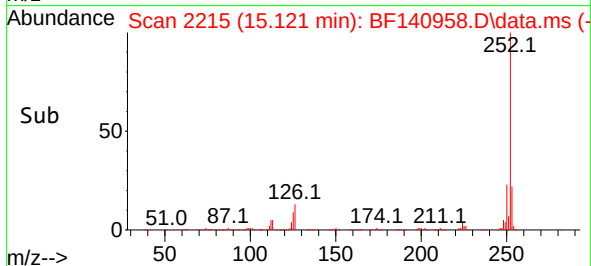
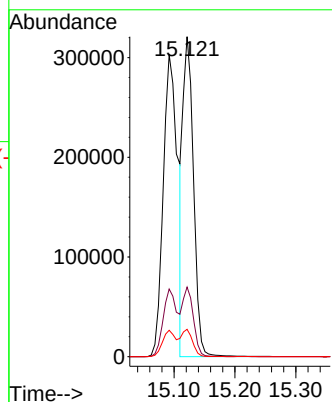
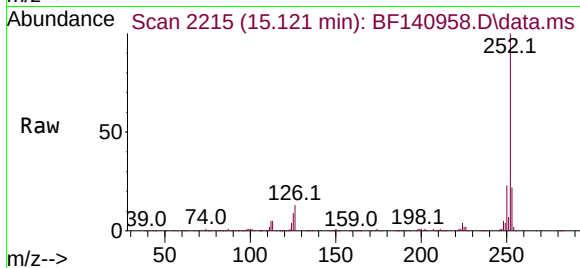
Tgt Ion:252 Resp: 389626

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.5 6.8 10.2



#90

Benzo(a)pyrene

Concen: 58.050 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.012 min

Lab File: BF140958.D

Acq: 20 Dec 2024 18:32

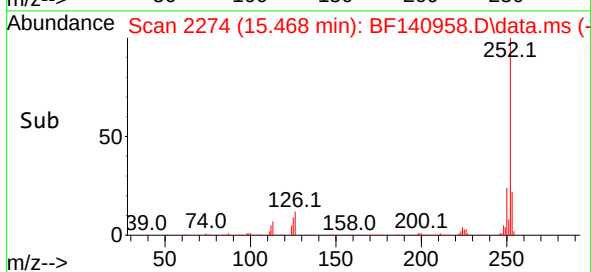
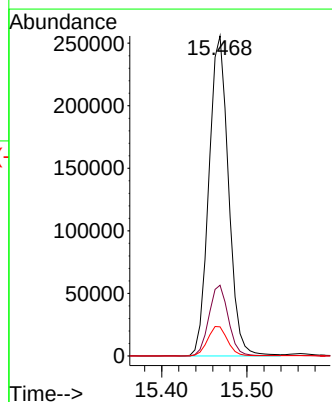
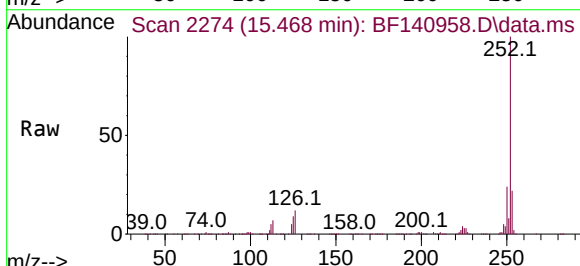
Tgt Ion:252 Resp: 409060

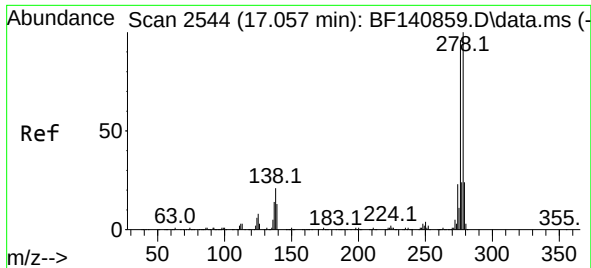
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.1 7.5 11.3

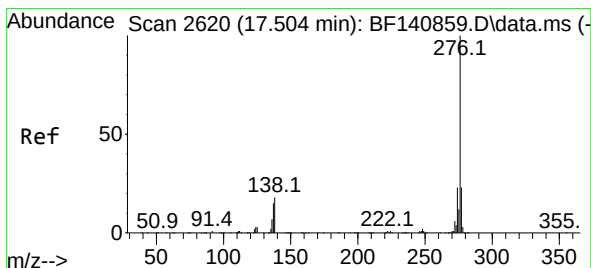
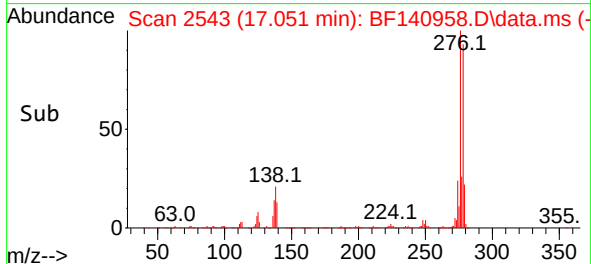
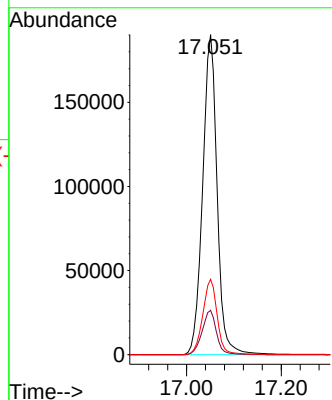
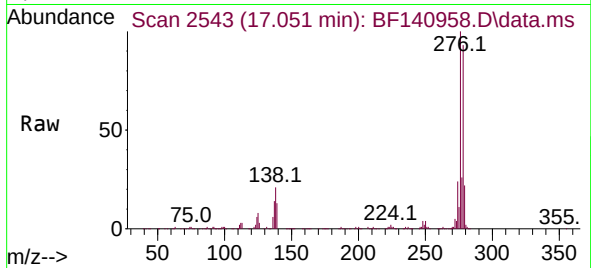




#91
Dibenzo(a,h)anthracene
Concen: 60.126 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Instrument :
BNA_F
ClientSampleId :
TP-5MSD

Tgt Ion:278 Resp: 402986
Ion Ratio Lower Upper
278 100
139 13.9 10.6 16.0
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 55.466 ng
RT: 17.504 min Scan# 2620
Delta R.T. -0.000 min
Lab File: BF140958.D
Acq: 20 Dec 2024 18:32

Tgt Ion:276 Resp: 378363
Ion Ratio Lower Upper
276 100
277 23.1 18.7 28.1
138 17.7 14.2 21.2

