

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140931.D
 Acq On : 19 Dec 2024 17:23
 Operator : RC/JU
 Sample : P5343-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ210MSD

Quant Time: Dec 20 00:08:29 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	6.846	152	52636	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	206485	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	112703	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	169814	20.000	ng	0.00
76) Chrysene-d12	14.033	240	117074	20.000	ng	0.00
86) Perylene-d12	15.539	264	131273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	342798	107.210	ng	0.01
7) Phenol-d6	6.504	99	449237	106.076	ng	0.00
23) Nitrobenzene-d5	7.416	82	297018	71.967	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	125518	94.165	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	594424	72.513	ng	0.00
79) Terphenyl-d14	12.957	244	410776	55.327	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	61184	44.425	ng	99
3) Pyridine	3.452	79	143627	45.031	ng	99
4) n-Nitrosodimethylamine	3.405	42	73694	45.832	ng	94
6) Aniline	6.516	93	108089	29.850	ng	# 52
8) 2-Chlorophenol	6.646	128	186560	53.504	ng	99
9) Benzaldehyde	6.410	77	35375	15.075	ng	96
10) Phenol	6.516	94	233510	53.199	ng	90
11) bis(2-Chloroethyl)ether	6.581	93	172932	52.830	ng	98
12) 1,3-Dichlorobenzene	6.787	146	204317	51.424	ng	98
13) 1,4-Dichlorobenzene	6.863	146	207964	51.565	ng	99
14) 1,2-Dichlorobenzene	7.016	146	197348	51.863	ng	99
15) Benzyl Alcohol	6.998	79	167260	55.236	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	214102	55.523	ng	93
17) 2-Methylphenol	7.122	107	144894	52.049	ng	99
18) Hexachloroethane	7.351	117	76465	50.929	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	134085	52.781	ng	98
20) 3+4-Methylphenols	7.275	107	198358	53.735	ng	# 74
22) Acetophenone	7.263	105	262273	50.776	ng	94
24) Nitrobenzene	7.434	77	201777	47.723	ng	98
25) Isophorone	7.675	82	362794	52.463	ng	100
26) 2-Nitrophenol	7.751	139	103926	53.369	ng	95
27) 2,4-Dimethylphenol	7.793	122	142386	62.610	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	224298	51.932	ng	99
29) 2,4-Dichlorophenol	8.004	162	159598	50.832	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	176916	49.154	ng	100
31) Naphthalene	8.151	128	581564	51.273	ng	100
32) Benzoic acid	7.940	122	86089	39.915	ng	99
33) 4-Chloroaniline	8.210	127	67460	17.908	ng	97
34) Hexachlorobutadiene	8.257	225	118173	48.800	ng	98
35) Caprolactam	8.587	113	49226	52.664	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	177248	50.158	ng	99
37) 2-Methylnaphthalene	8.839	142	390588	52.057	ng	100
38) 1-Methylnaphthalene	8.939	142	367534	49.530	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	194237	56.072	ng	99
41) Hexachlorocyclopentadiene	8.987	237	59806	58.889	ng	99
43) 2,4,6-Trichlorophenol	9.134	196	112438	53.008	ng	99

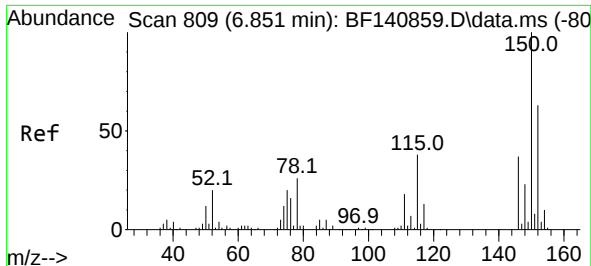
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	118991	51.038	ng	97
46) 1,1'-Biphenyl	9.304	154	495934	55.338	ng	99
47) 2-Chloronaphthalene	9.334	162	363218	52.978	ng	99
48) 2-Nitroaniline	9.439	65	110419	53.327	ng	96
49) Acenaphthylene	9.745	152	578109	57.378	ng	100
50) Dimethylphthalate	9.604	163	428698	53.953	ng	100
51) 2,6-Dinitrotoluene	9.681	165	89829	49.452	ng	90
52) Acenaphthene	9.916	154	346015	53.763	ng	100
53) 3-Nitroaniline	9.851	138	52441	29.091	ng	100
54) 2,4-Dinitrophenol	9.975	184	75123	84.371	ng	92
55) Dibenzofuran	10.092	168	518911	52.032	ng	99
56) 4-Nitrophenol	10.045	139	54865	57.882	ng	96
57) 2,4-Dinitrotoluene	10.086	165	115996	48.534	ng	99
58) Fluorene	10.434	166	408611	49.664	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	95274	50.151	ng	95
60) Diethylphthalate	10.304	149	416192	50.512	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	204606	49.507	ng	98
62) 4-Nitroaniline	10.469	138	78808m	41.835	ng	
63) Azobenzene	10.586	77	416720	53.797	ng	92
65) 4,6-Dinitro-2-methylph...	10.504	198	56685	58.908	ng	97
66) n-Nitrosodiphenylamine	10.545	169	341368	65.383	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	116661	61.408	ng	99
68) Hexachlorobenzene	10.986	284	122973	57.093	ng	99
69) Atrazine	11.069	200	102400	70.225	ng	99
70) Pentachlorophenol	11.192	266	62482	79.343	ng	99
71) Phenanthrene	11.398	178	559519	64.073	ng	99
72) Anthracene	11.451	178	512685	59.616	ng	100
73) Carbazole	11.610	167	421443	50.032	ng	100
74) Di-n-butylphthalate	11.928	149	535446	54.163	ng	99
75) Fluoranthene	12.592	202	585077	58.176	ng	100
77) Benzidine	12.716	184	109164	45.686	ng	100
78) Pyrene	12.822	202	615259	59.098	ng	100
80) Butylbenzylphthalate	13.427	149	176341	46.034	ng	99
81) Benzo(a)anthracene	14.022	228	500793	60.355	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	77809	31.082	ng	97
83) Chrysene	14.063	228	424018	56.198	ng	100
84) Bis(2-ethylhexyl)phtha...	13.992	149	252938	51.208	ng	100
85) Di-n-octyl phthalate	14.627	149	486633	65.121	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	403156	49.214	ng	99
88) Benzo(b)fluoranthene	15.110	252	548225	60.163	ng	100
89) Benzo(k)fluoranthene	15.133	252	452491	57.889	ng	99
90) Benzo(a)pyrene	15.480	252	461717	64.709	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	317235	46.744	ng	99
92) Benzo(g,h,i)perylene	17.515	276	299543	43.367	ng	99

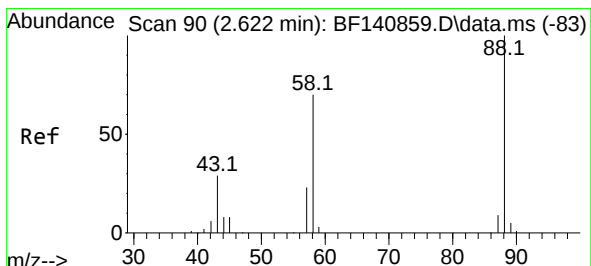
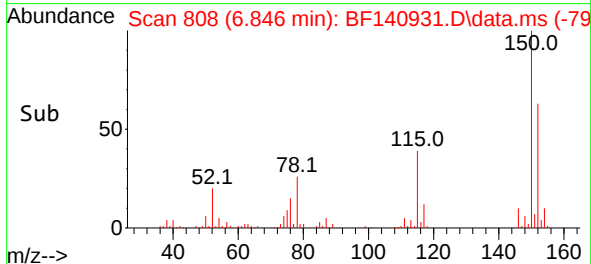
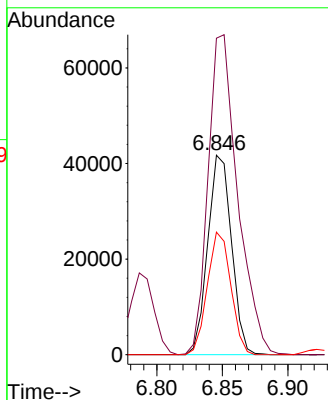
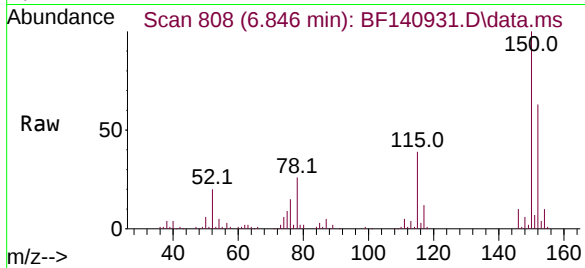
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

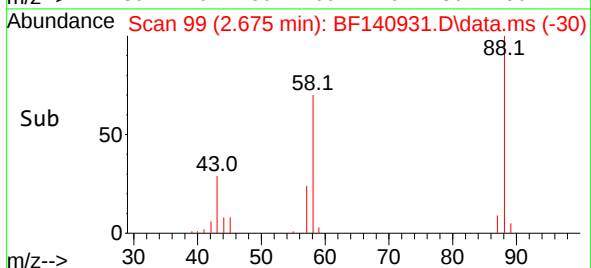
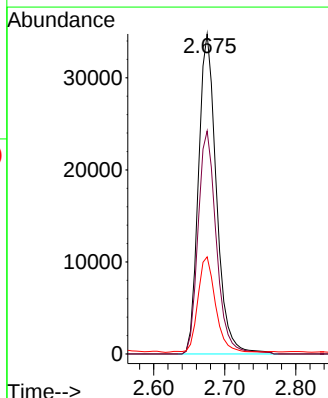
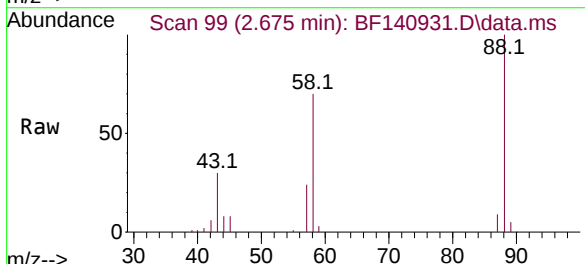
Instrument :
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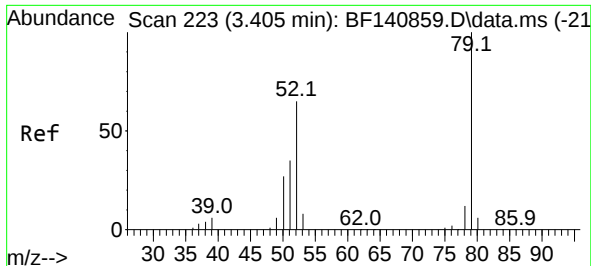
Tgt Ion:152 Resp: 52636
Ion Ratio Lower Upper
152 100
150 158.6 127.9 191.9
115 61.4 48.0 72.0



#2
1,4-Dioxane
Concen: 44.425 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.053 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 88 Resp: 61184
Ion Ratio Lower Upper
88 100
58 70.9 55.8 83.8
43 29.3 22.7 34.1

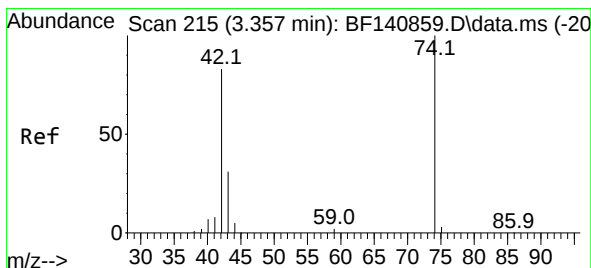
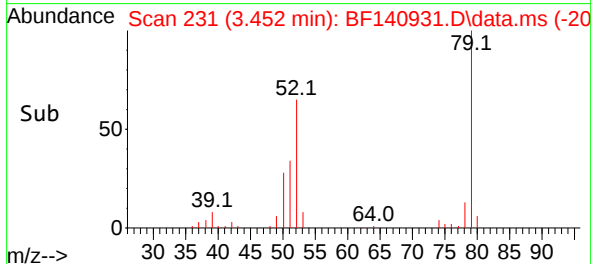
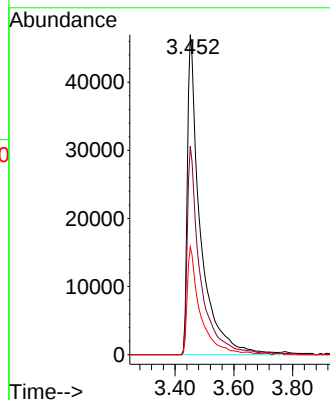
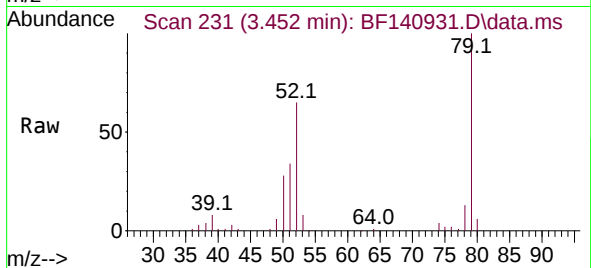




#3
Pyridine
Concen: 45.031 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

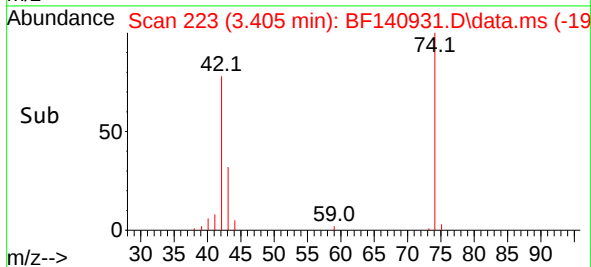
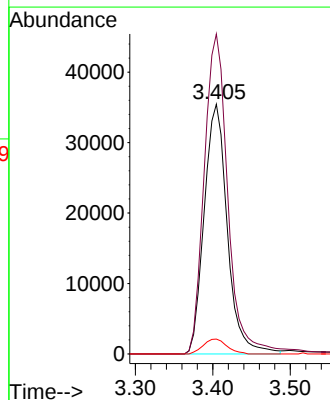
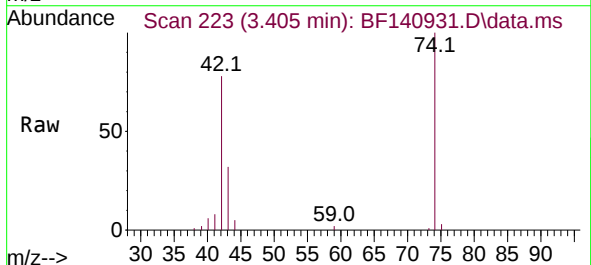
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ClientSampleId :
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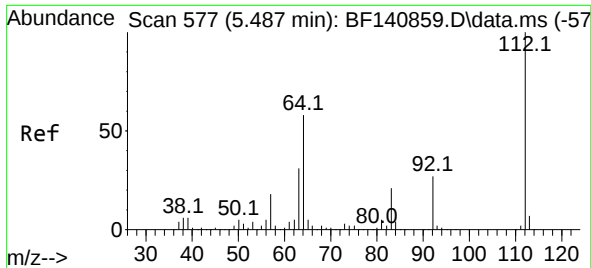
Tgt Ion: 79 Resp: 143627
Ion Ratio Lower Upper
79 100
52 65.1 51.7 77.5
51 33.7 28.2 42.4



#4
n-Nitrosodimethylamine
Concen: 45.832 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.047 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 42 Resp: 73694
Ion Ratio Lower Upper
42 100
74 128.1 96.9 145.3
44 6.0 4.4 6.6

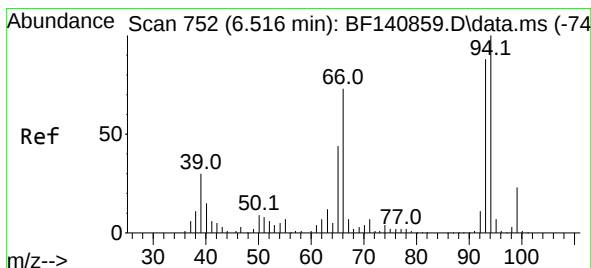
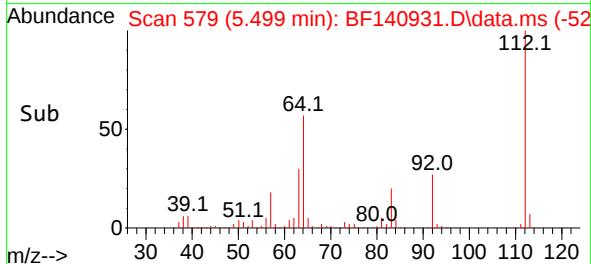
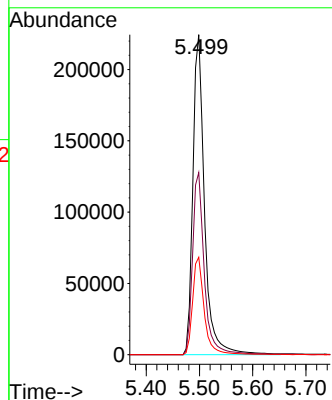
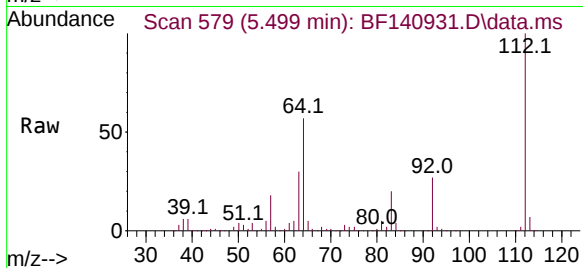




#5
2-Fluorophenol
Concen: 107.210 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

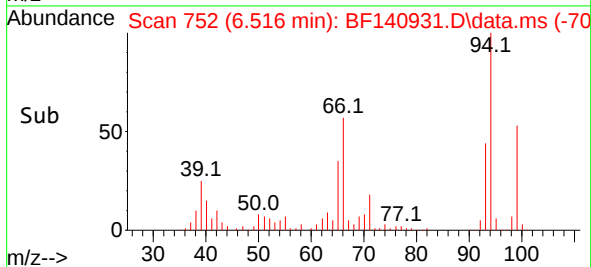
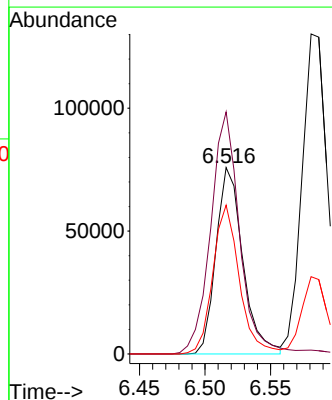
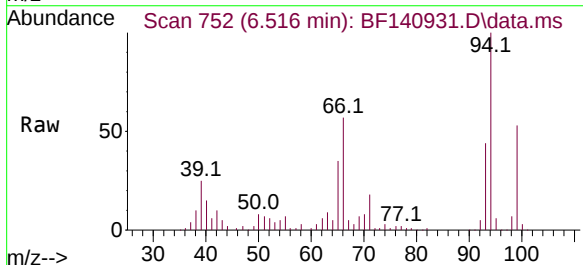
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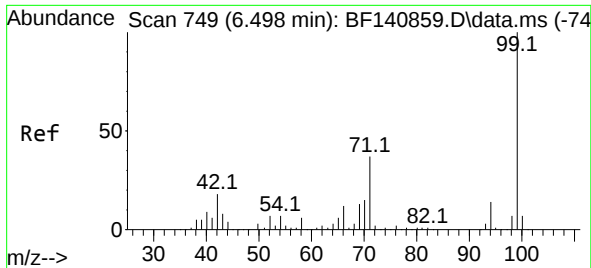
Tgt Ion:112 Resp: 342798
Ion Ratio Lower Upper
112 100
64 56.9 46.1 69.1
63 30.5 24.9 37.3



#6
Aniline
Concen: 29.850 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 93 Resp: 108089
Ion Ratio Lower Upper
93 100
66 129.9 67.0 100.4#
65 79.8 40.4 60.6#

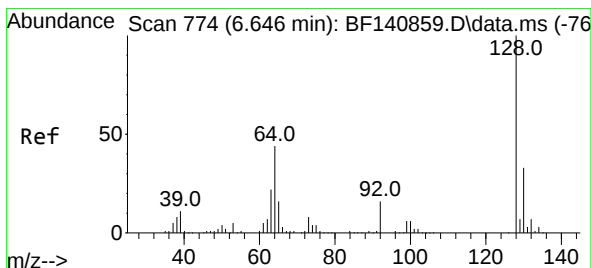
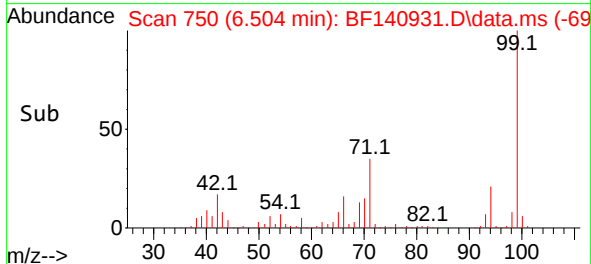
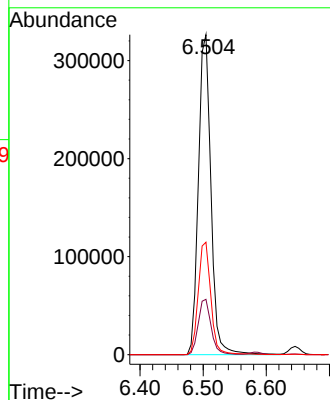
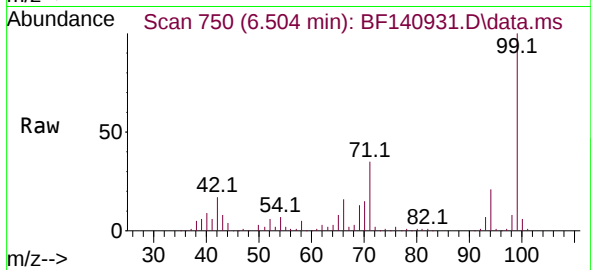




#7
Phenol-d6
Concen: 106.076 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

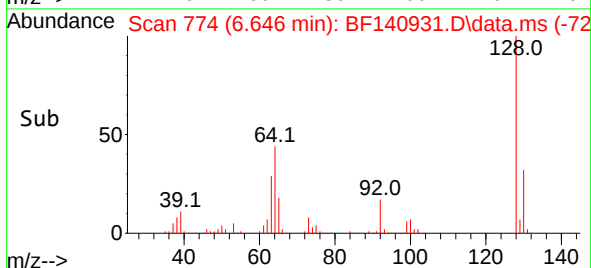
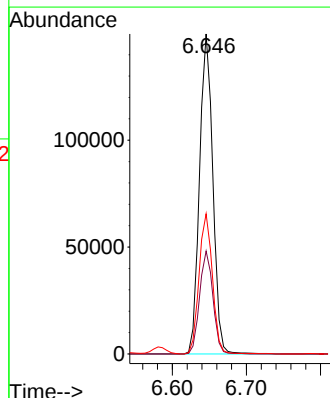
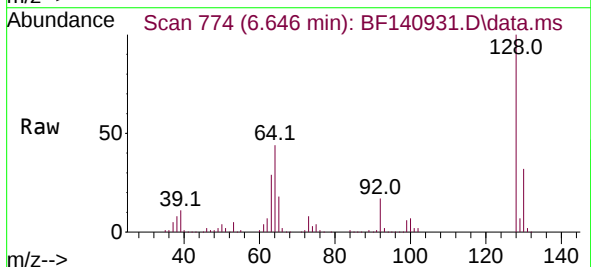
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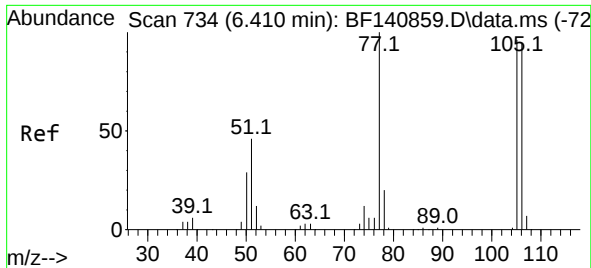
Tgt Ion: 99 Resp: 449237
Ion Ratio Lower Upper
99 100
42 17.3 14.3 21.5
71 35.2 29.9 44.9



#8
2-Chlorophenol
Concen: 53.504 ng
RT: 6.646 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 128 Resp: 186560
Ion Ratio Lower Upper
128 100
130 32.1 12.9 52.9
64 43.8 24.3 64.3

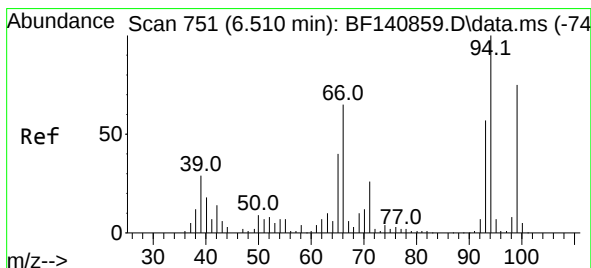
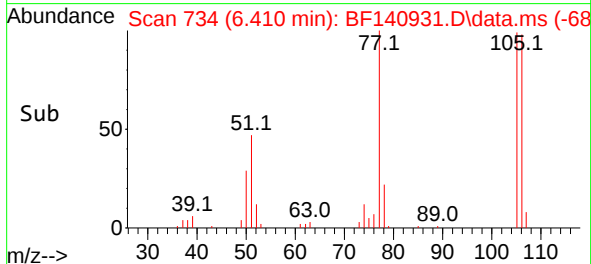
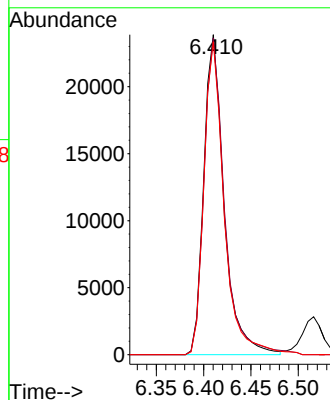
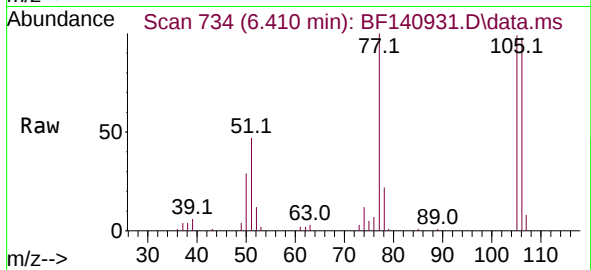




#9
Benzaldehyde
Concen: 15.075 ng
RT: 6.410 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

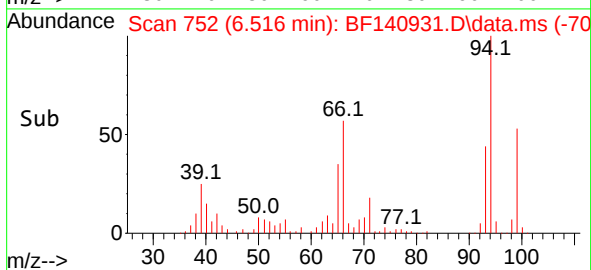
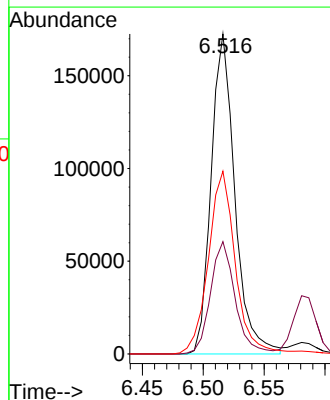
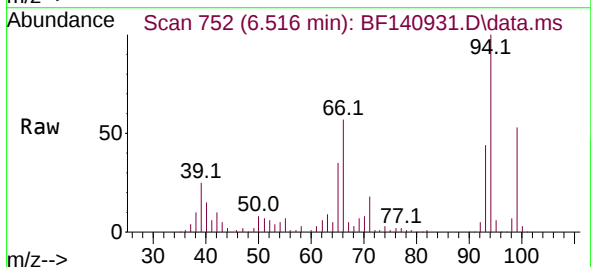
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

Tgt Ion:	77	Resp:	35375
Ion	Ratio	Lower	Upper
77	100		
105	99.0	75.8	115.8
106	97.8	74.1	114.1



#10
Phenol
Concen: 53.199 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:	94	Resp:	233510
Ion	Ratio	Lower	Upper
94	100		
65	35.1	19.9	59.9
66	57.1	45.6	85.6

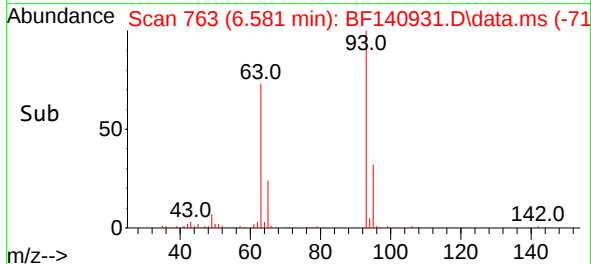
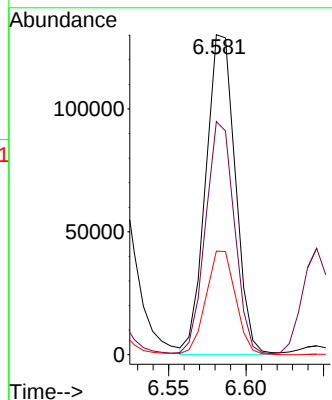
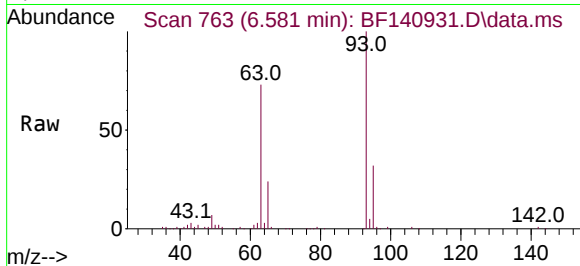




#11
bis(2-Chloroethyl)ether
Concen: 52.830 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

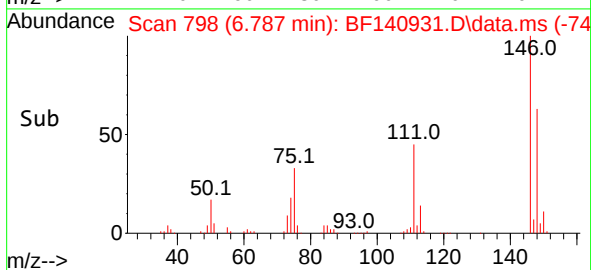
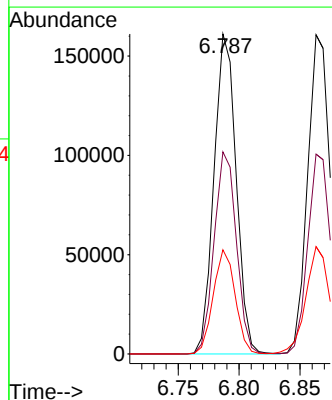
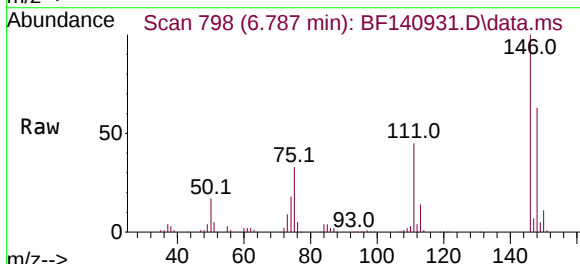
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

Tgt Ion: 93 Resp: 172932
Ion Ratio Lower Upper
93 100
63 72.8 51.0 91.0
95 32.3 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 51.424 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:146 Resp: 204317
Ion Ratio Lower Upper
146 100
148 63.2 51.0 76.6
75 32.5 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 51.565 ng

RT: 6.863 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140931.D

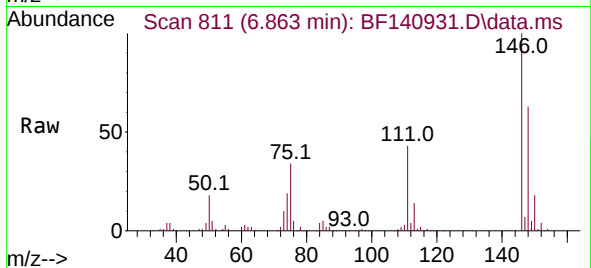
Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD



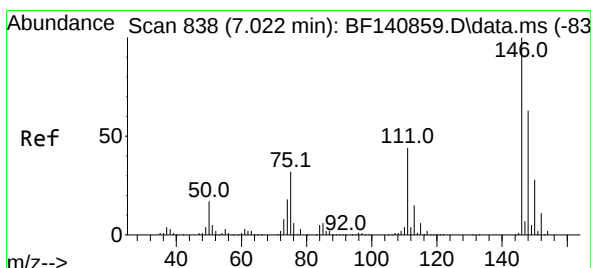
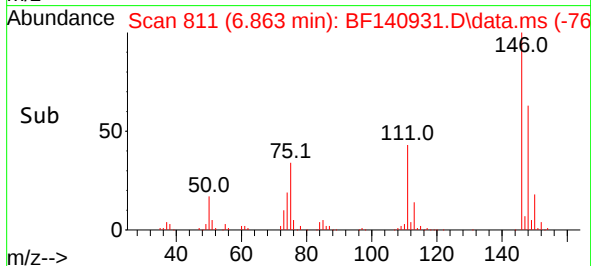
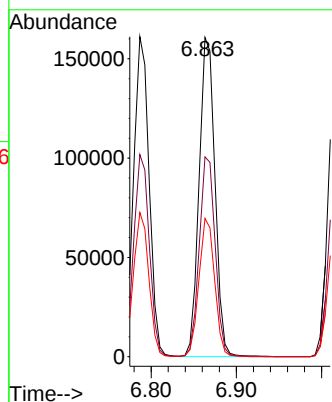
Tgt Ion:146 Resp: 207964

Ion Ratio Lower Upper

146 100

148 62.6 51.3 76.9

111 43.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 51.863 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

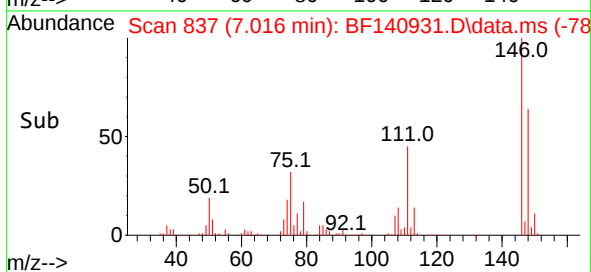
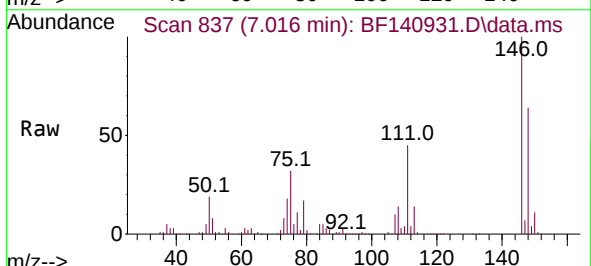
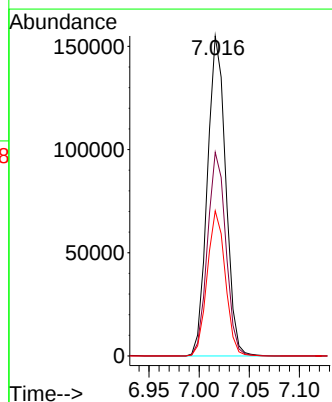
Tgt Ion:146 Resp: 197348

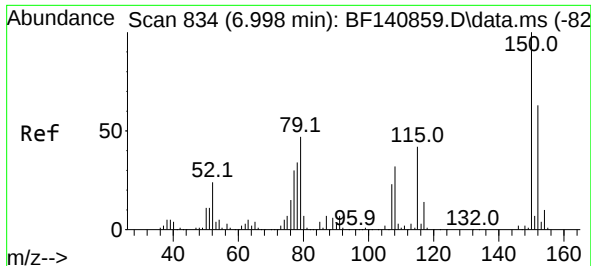
Ion Ratio Lower Upper

146 100

148 63.7 50.0 75.0

111 45.3 35.6 53.4

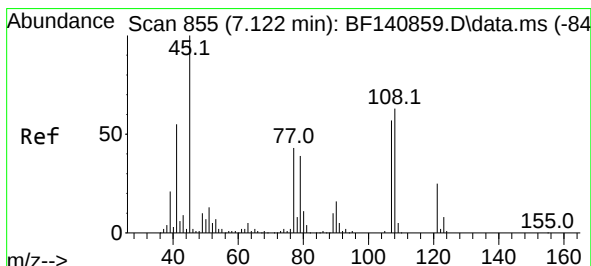
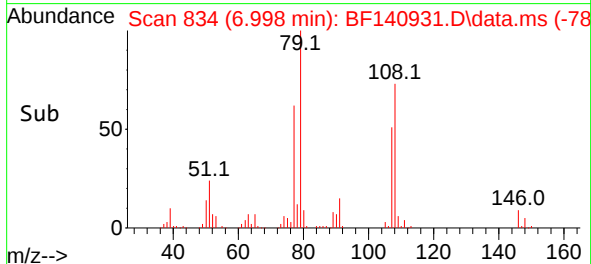
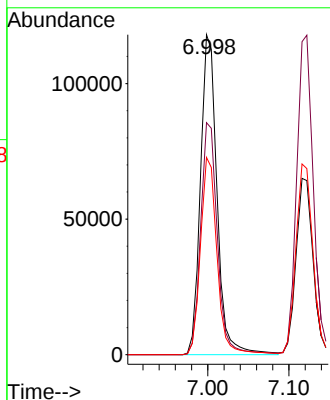
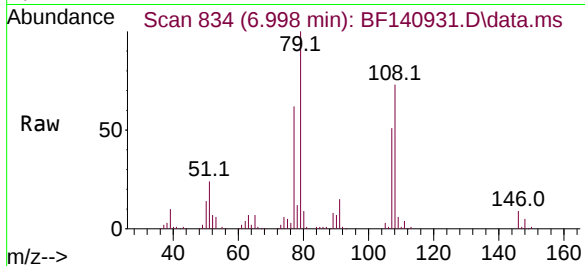




#15
Benzyl Alcohol
Concen: 55.236 ng
RT: 6.998 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

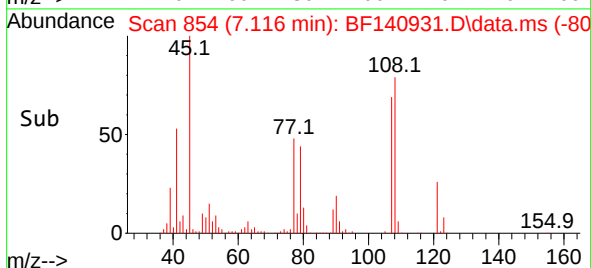
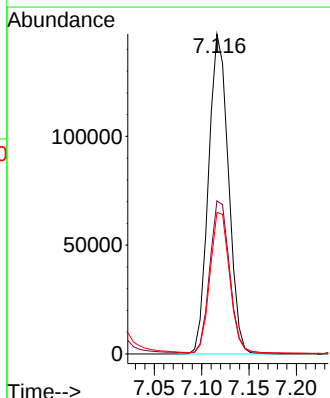
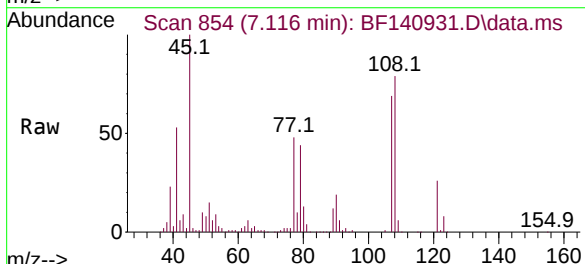
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

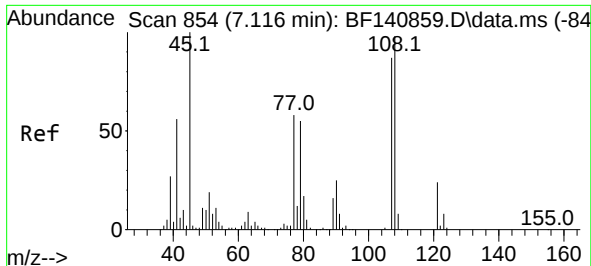
Tgt Ion: 79 Resp: 167260
Ion Ratio Lower Upper
79 100
108 72.5 55.1 82.7
77 61.6 50.6 76.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 55.523 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 45 Resp: 214102
Ion Ratio Lower Upper
45 100
77 47.8 23.3 63.3
79 44.2 20.0 60.0

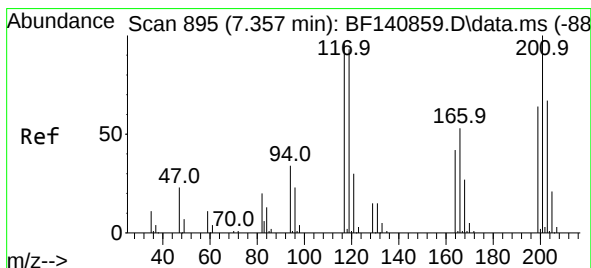
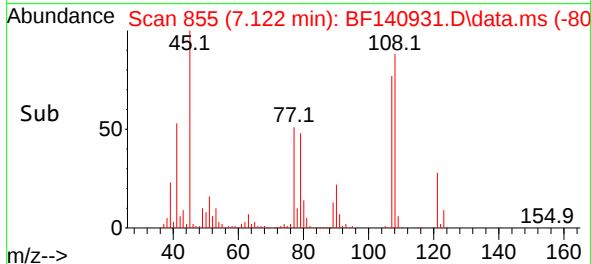
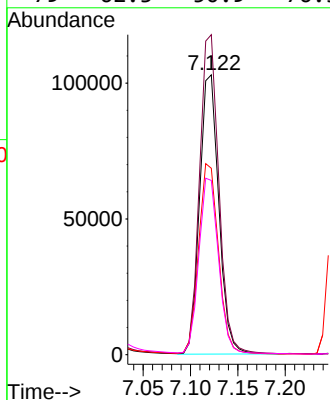
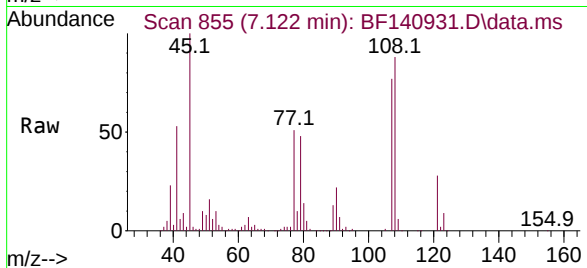




#17
2-Methylphenol
Concen: 52.049 ng
RT: 7.122 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

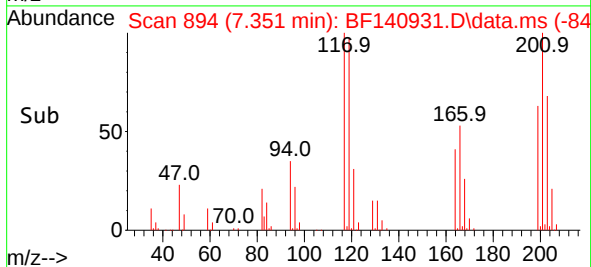
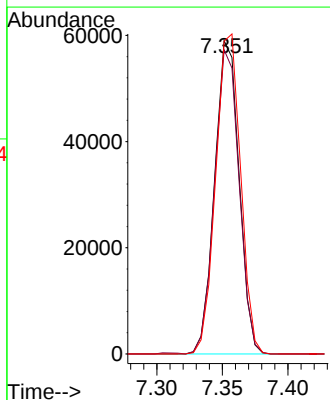
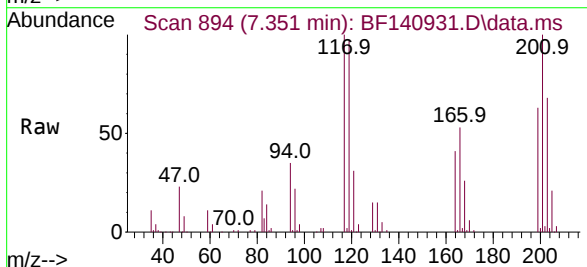
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

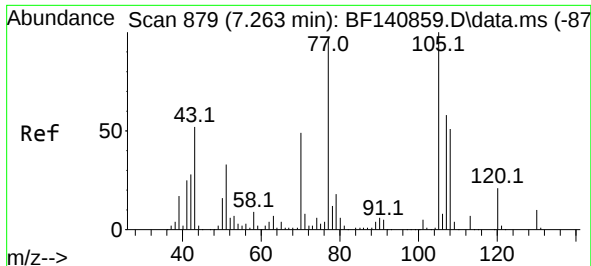
Tgt Ion:	107	Resp:	144894
Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.2	135.4
77	66.6	53.8	80.6
79	62.3	50.9	76.3



#18
Hexachloroethane
Concen: 50.929 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:	117	Resp:	76465
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.4	116.0
201	99.9	83.4	125.0

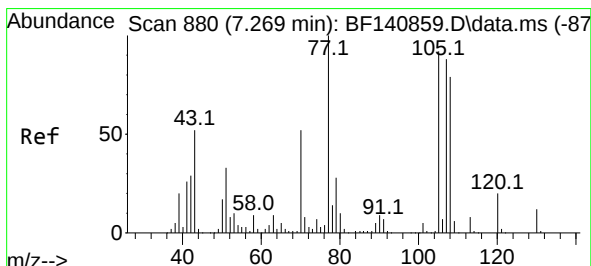
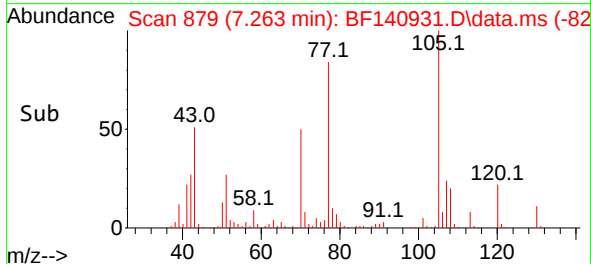
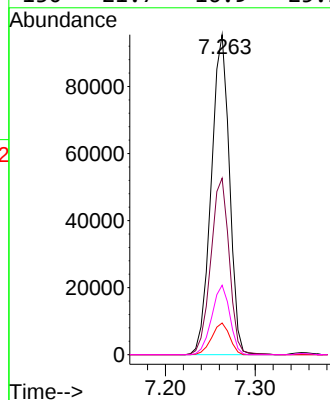
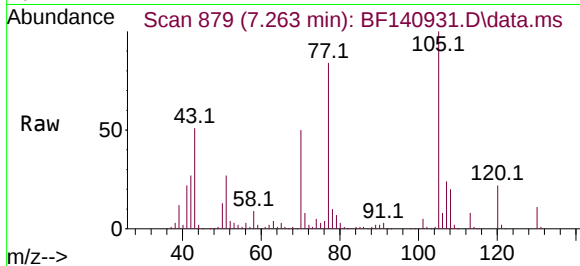




#19
n-Nitroso-di-n-propylamine
Concen: 52.781 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

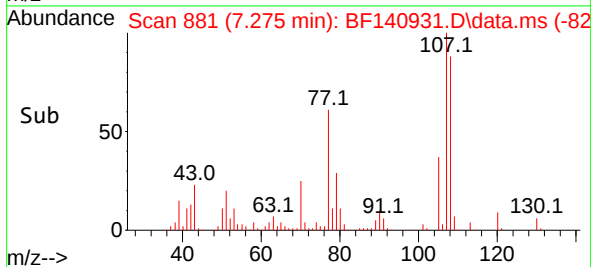
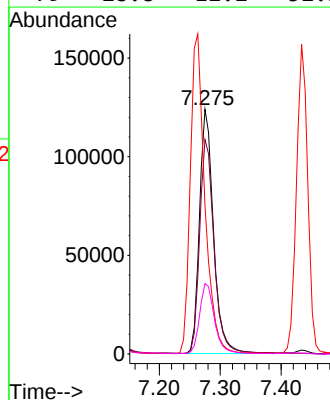
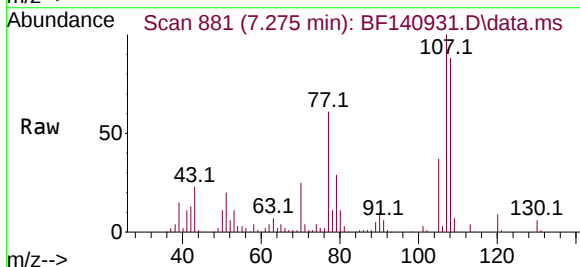
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

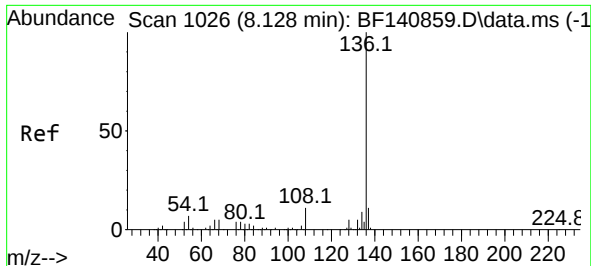
Tgt Ion: 70 Resp: 134085
Ion Ratio Lower Upper
70 100
42 55.2 45.3 67.9
101 9.9 8.0 12.0
130 21.7 16.9 25.3



#20
3+4-Methylphenols
Concen: 53.735 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:107 Resp: 198358
Ion Ratio Lower Upper
107 100
108 87.6 70.1 110.1
77 60.7 94.4 134.4#
79 28.8 12.2 52.2

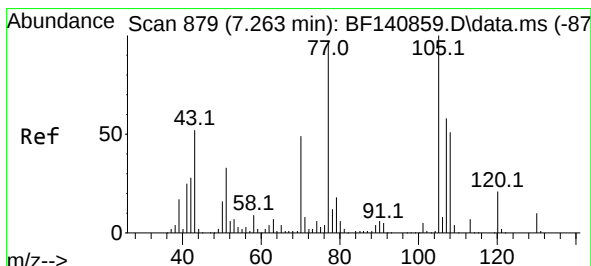
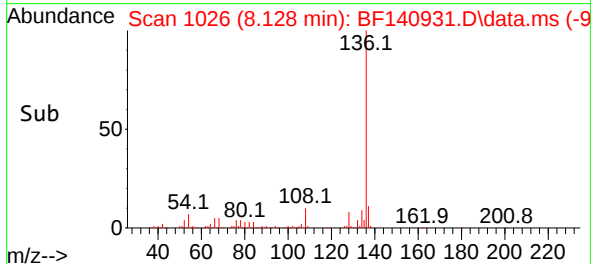
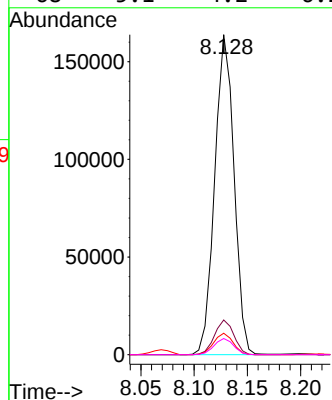
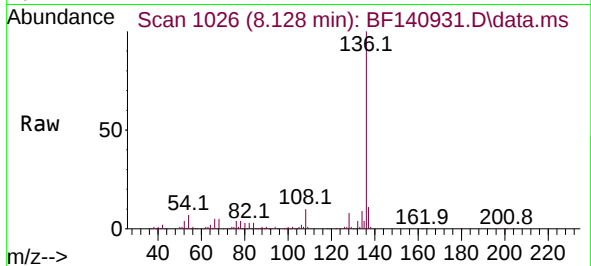




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

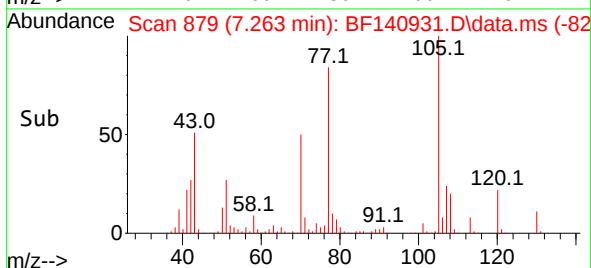
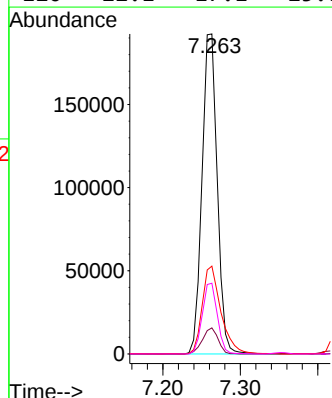
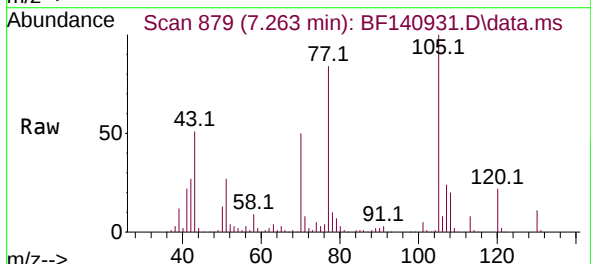
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

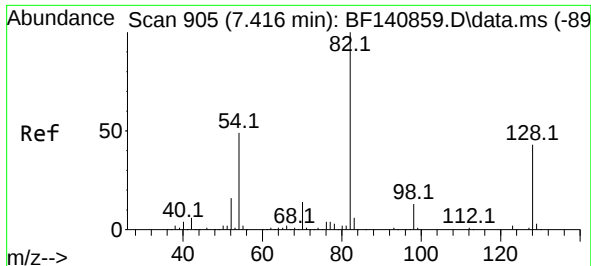
Tgt Ion:136 Resp: 206485
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.7 5.6 8.4
68 5.1 4.2 6.2



#22
Acetophenone
Concen: 50.776 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:105 Resp: 262273
Ion Ratio Lower Upper
105 100
71 8.2 6.2 9.4
51 27.5 26.3 39.5
120 22.1 17.1 25.7





#23

Nitrobenzene-d5

Concen: 71.967 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

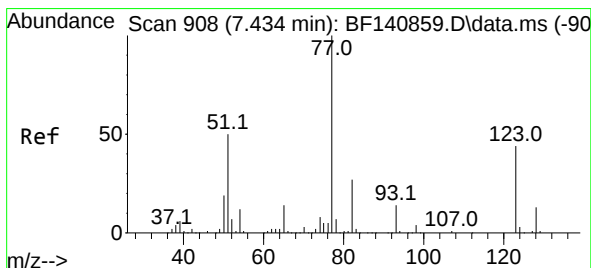
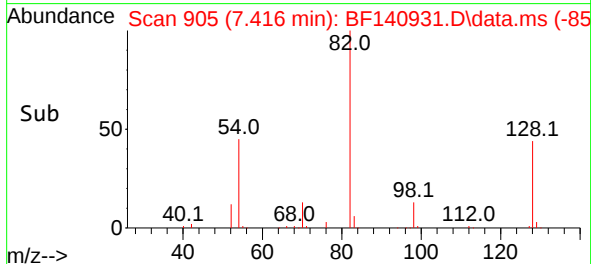
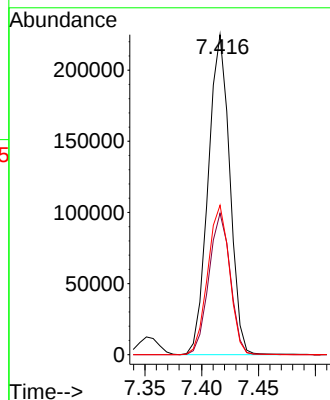
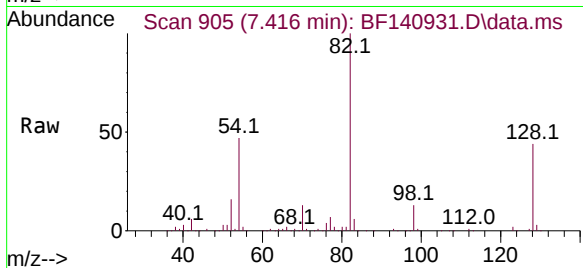
Tgt Ion: 82 Resp: 297018

Ion Ratio Lower Upper

82 100

128 44.2 34.4 51.6

54 46.7 38.8 58.2



#24

Nitrobenzene

Concen: 47.723 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

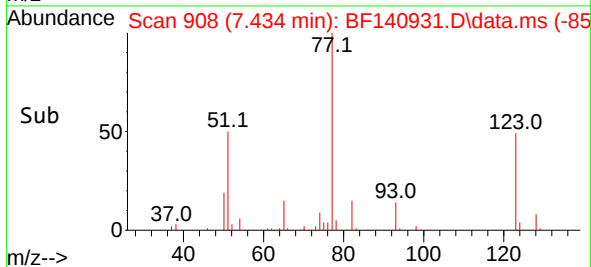
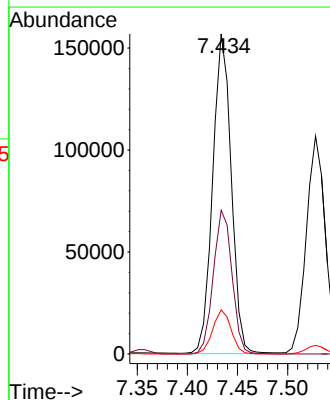
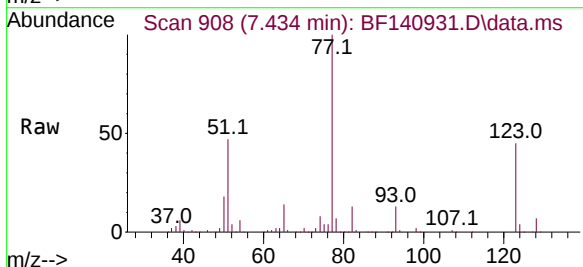
Tgt Ion: 77 Resp: 201777

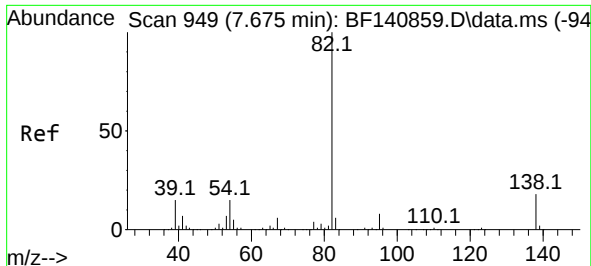
Ion Ratio Lower Upper

77 100

123 44.9 35.0 52.4

65 13.8 11.4 17.0

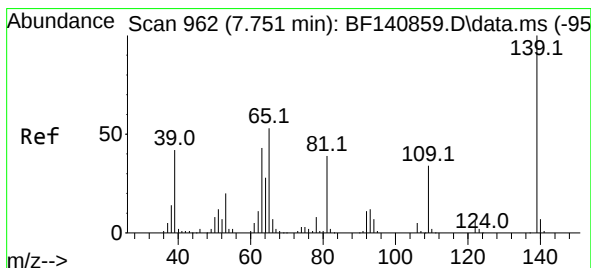
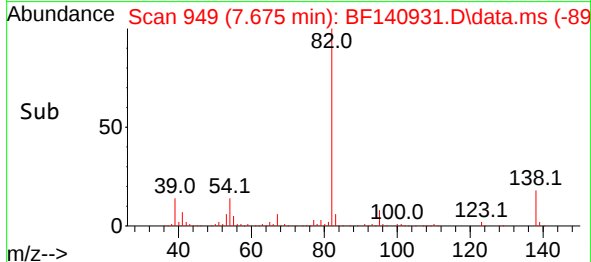
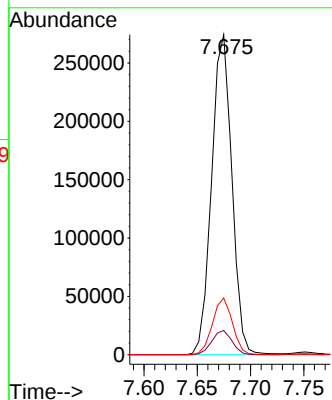
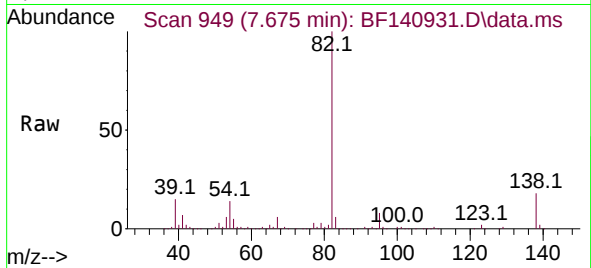




#25
Isophorone
Concen: 52.463 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

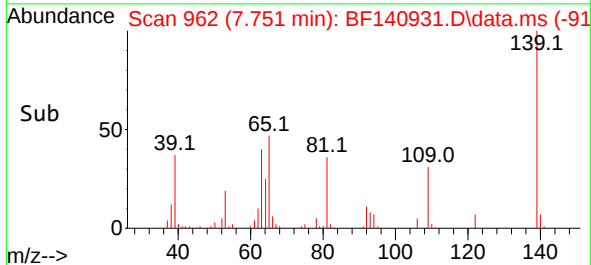
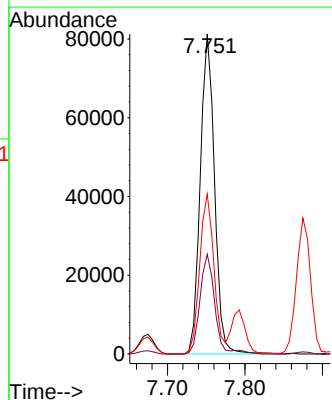
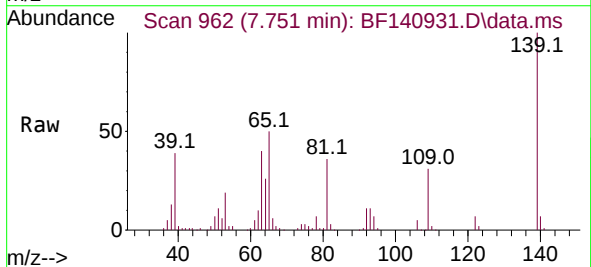
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

Tgt Ion: 82 Resp: 362794
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 17.7 14.1 21.1



#26
2-Nitrophenol
Concen: 53.369 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 139 Resp: 103926
Ion Ratio Lower Upper
139 100
109 31.2 26.9 40.3
65 49.9 42.6 64.0

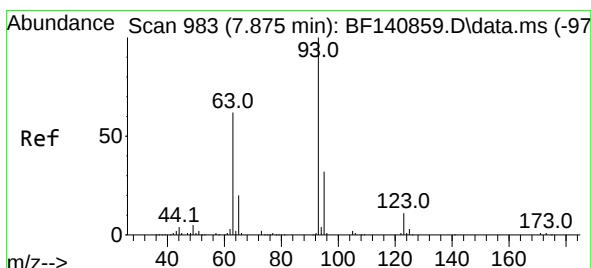
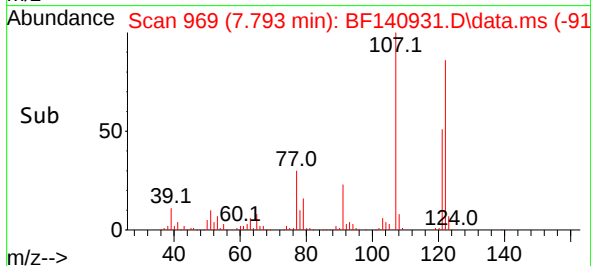
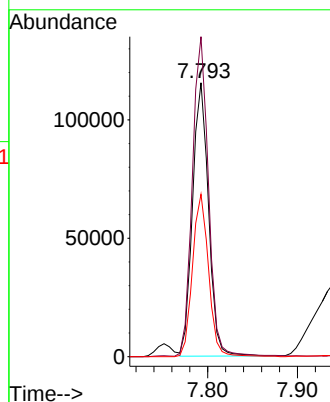
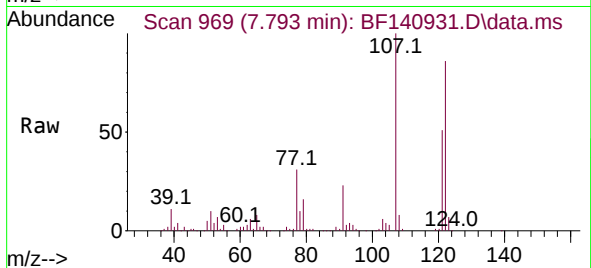




#27
2,4-Dimethylphenol
Concen: 62.610 ng
RT: 7.793 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

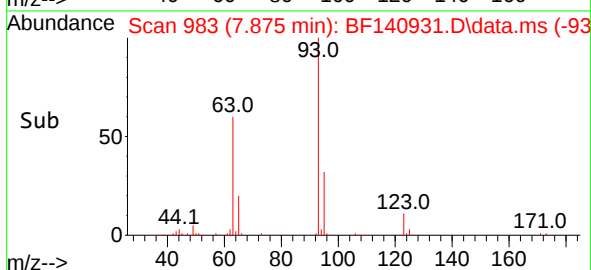
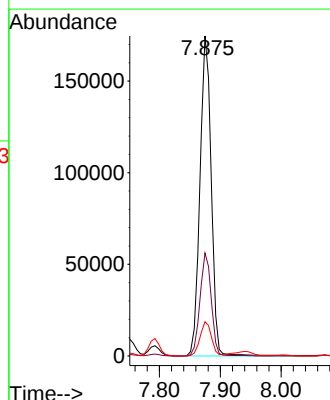
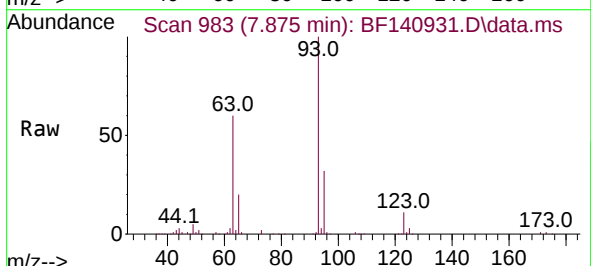
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

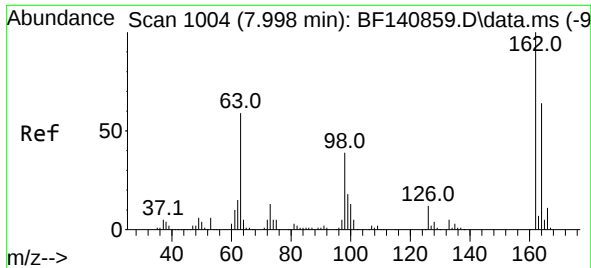
Tgt Ion:122 Resp: 142386
Ion Ratio Lower Upper
122 100
107 116.8 92.6 139.0
121 59.3 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 51.932 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 93 Resp: 224298
Ion Ratio Lower Upper
93 100
95 32.1 25.3 37.9
123 10.7 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 50.832 ng

RT: 8.004 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

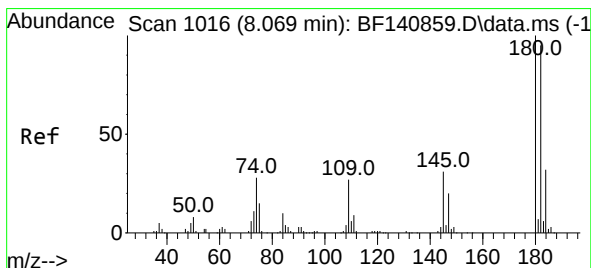
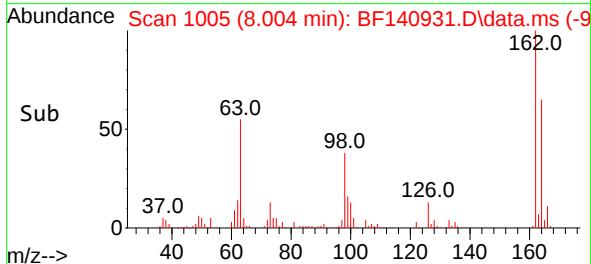
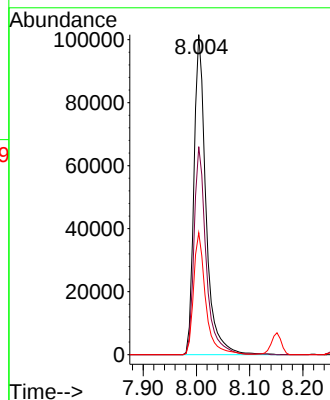
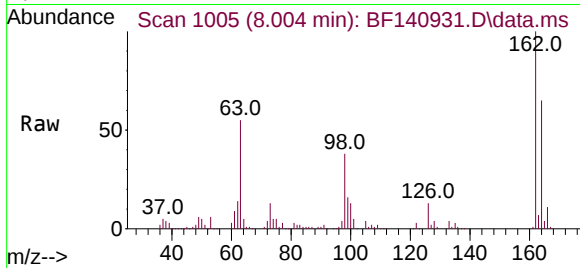
Tgt Ion:162 Resp: 159598

Ion Ratio Lower Upper

162 100

164 65.0 43.7 83.7

98 38.1 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 49.154 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

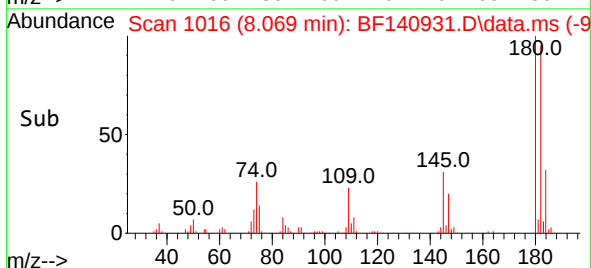
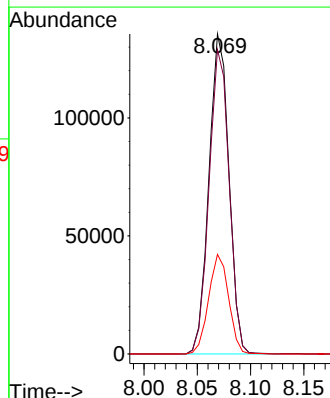
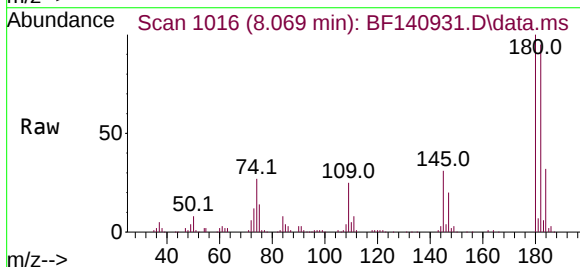
Tgt Ion:180 Resp: 176916

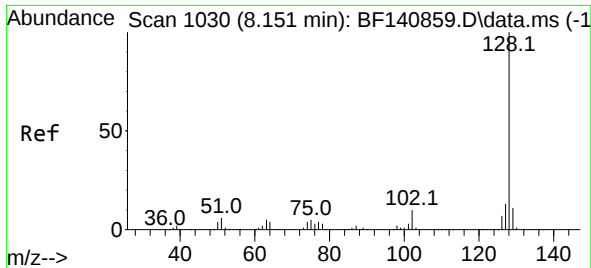
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 31.1 25.2 37.8

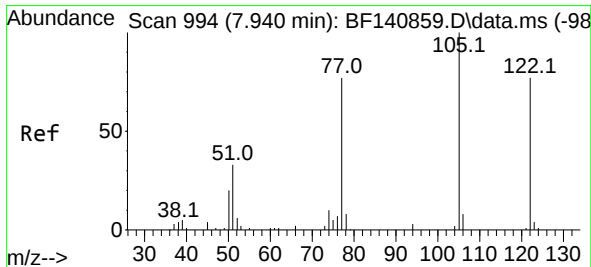
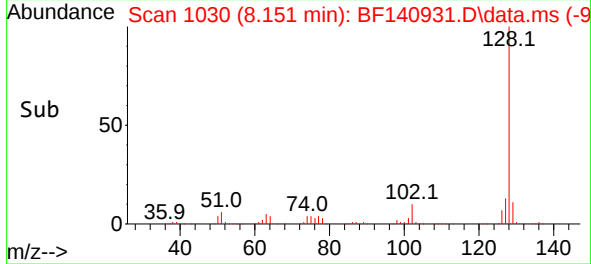
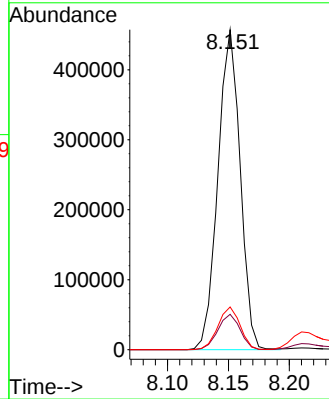
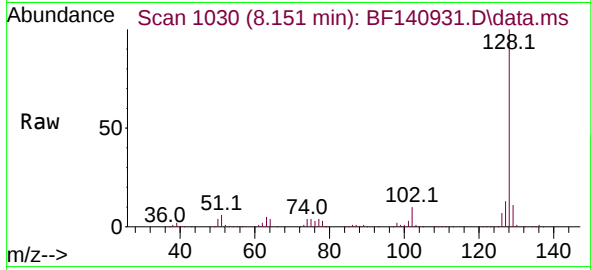




#31
Naphthalene
Concen: 51.273 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

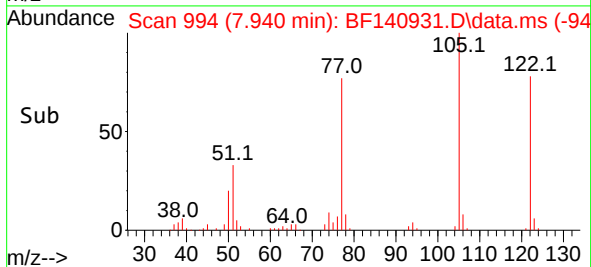
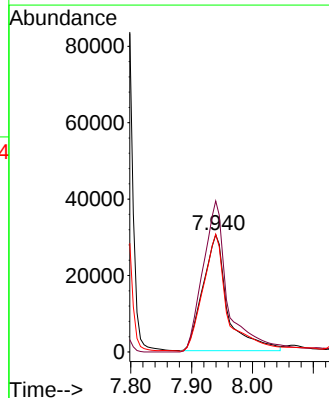
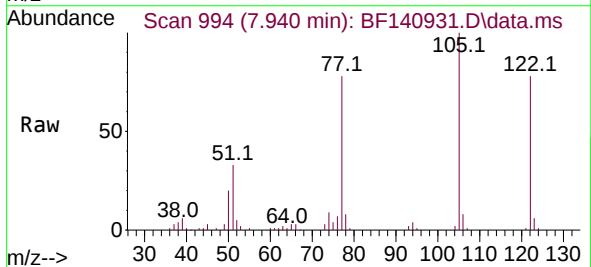
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

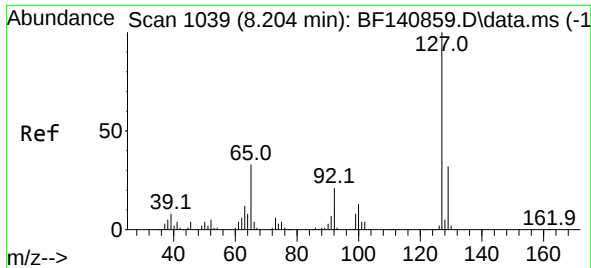
Tgt Ion:128 Resp: 581564
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 39.915 ng
RT: 7.940 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:122 Resp: 86089
Ion Ratio Lower Upper
122 100
105 129.0 108.3 148.3
77 100.6 78.8 118.8

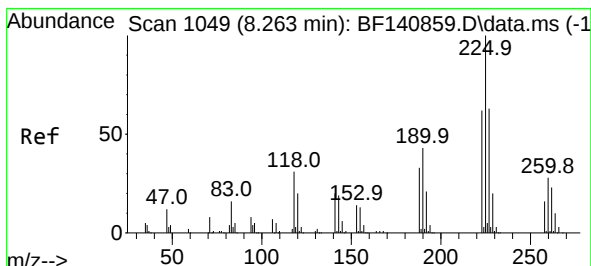
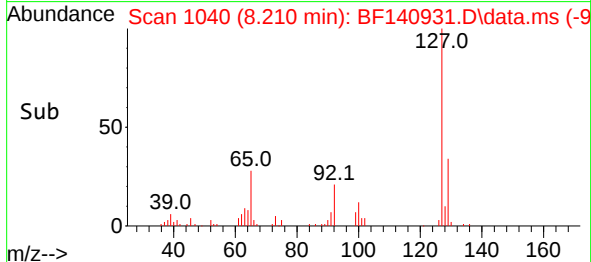
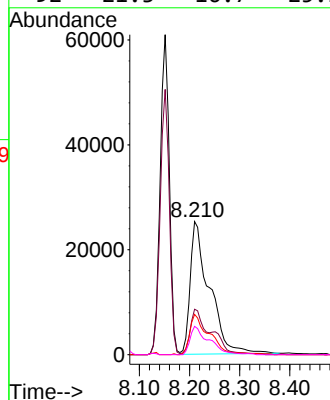
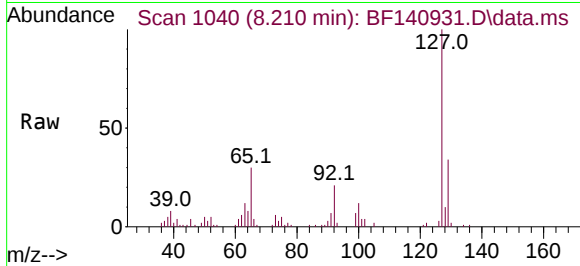




#33
4-Chloroaniline
Concen: 17.908 ng
RT: 8.210 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

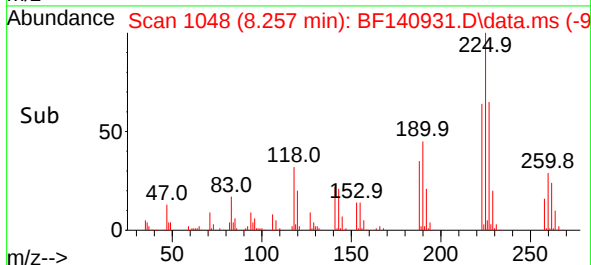
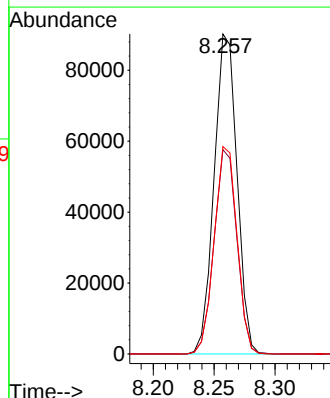
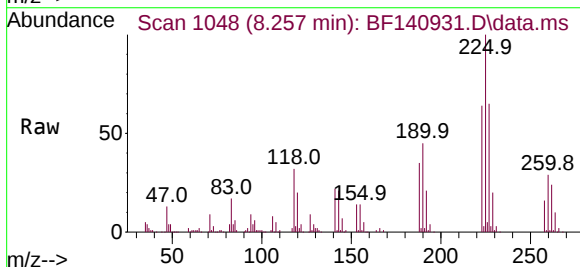
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

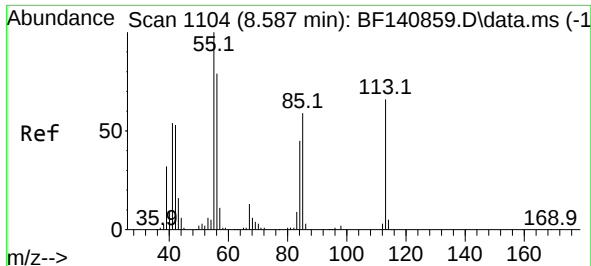
Tgt Ion:	127	Resp:	67460
Ion Ratio	Lower	Upper	
127	100		
129	34.2	26.0	39.0
65	30.2	26.0	39.0
92	21.3	16.7	25.1



#34
Hexachlorobutadiene
Concen: 48.800 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:	225	Resp:	118173
Ion Ratio	Lower	Upper	
225	100		
223	63.8	49.6	74.4
227	64.8	50.7	76.1

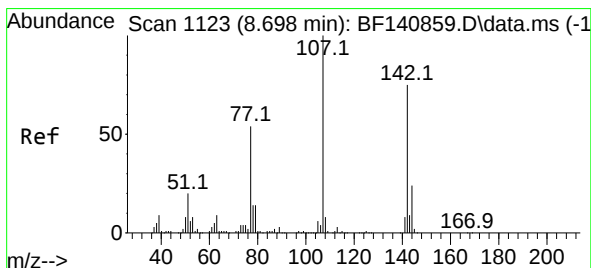
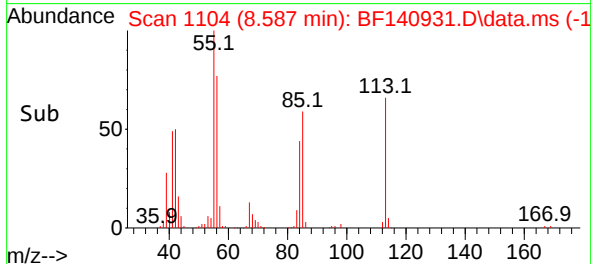
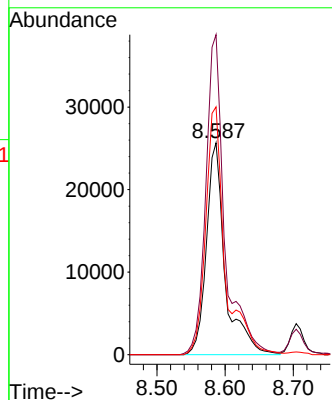
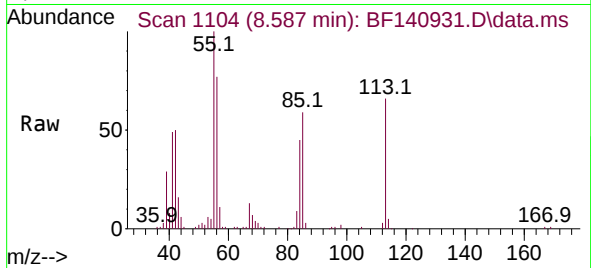




#35
 Caprolactam
 Concen: 52.664 ng
 RT: 8.587 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: BF140931.D
 Acq: 19 Dec 2024 17:23

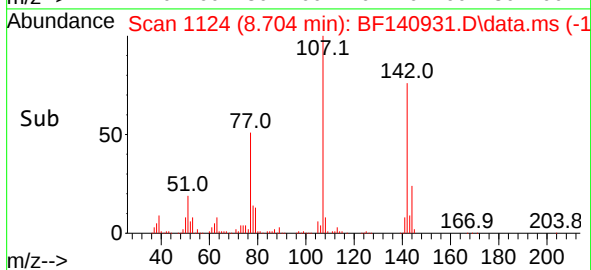
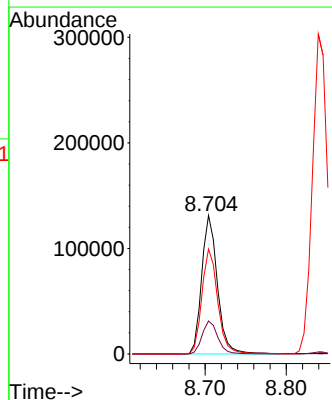
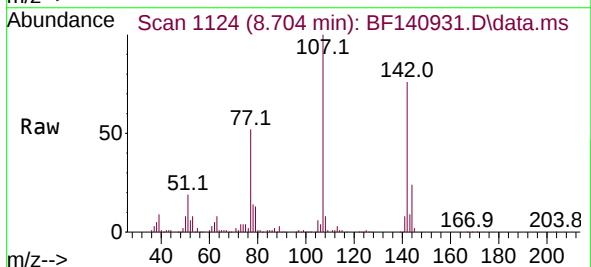
Instrument :
 BNA_F
 ClientSampleId :
 VNJ210MSD

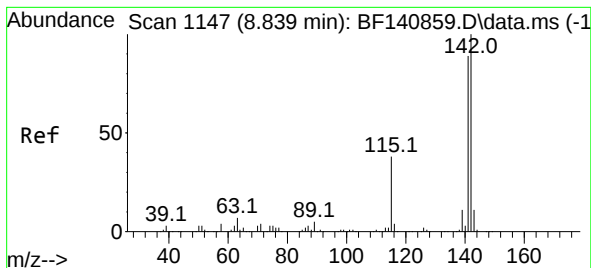
Tgt Ion:113 Resp: 49226
 Ion Ratio Lower Upper
 113 100
 55 151.1 132.3 172.3
 56 117.1 100.3 140.3



#36
 4-Chloro-3-methylphenol
 Concen: 50.158 ng
 RT: 8.704 min Scan# 1124
 Delta R.T. 0.006 min
 Lab File: BF140931.D
 Acq: 19 Dec 2024 17:23

Tgt Ion:107 Resp: 177248
 Ion Ratio Lower Upper
 107 100
 144 23.8 19.4 29.2
 142 75.8 60.3 90.5





#37

2-Methylnaphthalene

Concen: 52.057 ng

RT: 8.839 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

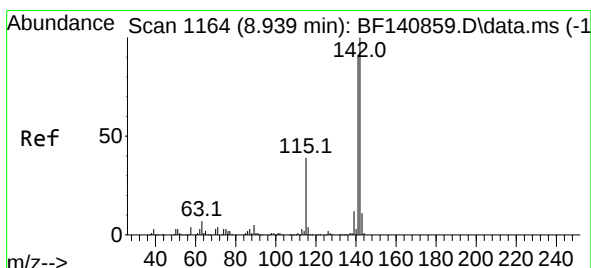
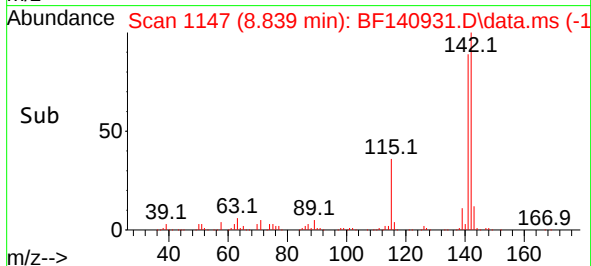
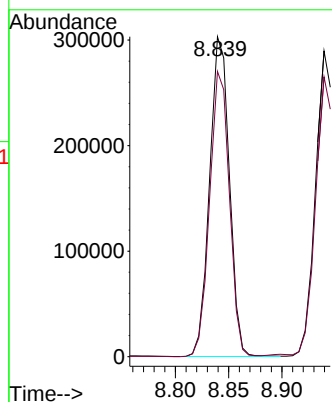
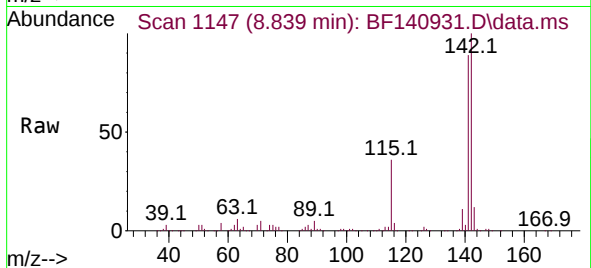
VNJ210MSD

Tgt Ion:142 Resp: 390588

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6



#38

1-Methylnaphthalene

Concen: 49.530 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF140931.D

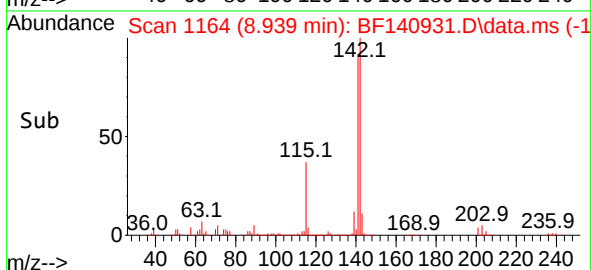
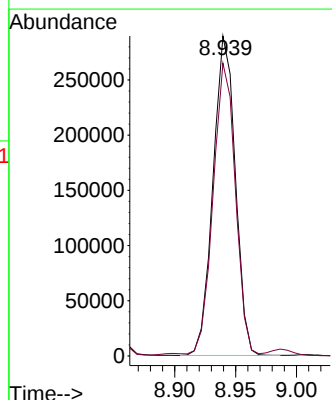
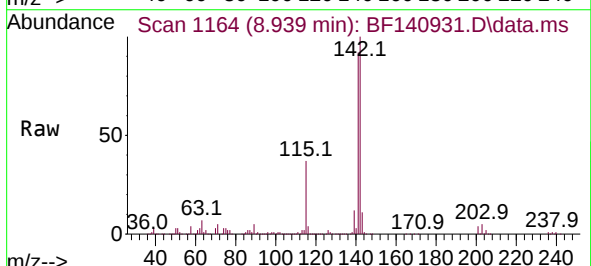
Acq: 19 Dec 2024 17:23

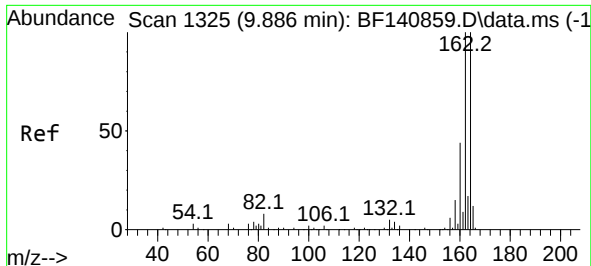
Tgt Ion:142 Resp: 367534

Ion Ratio Lower Upper

142 100

141 91.5 73.4 110.0

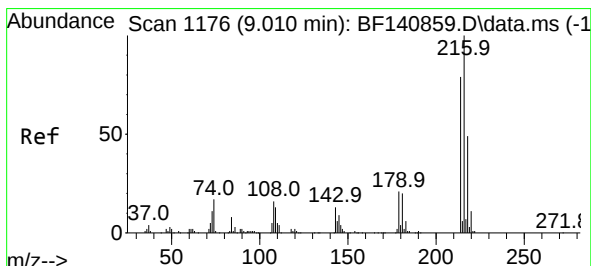
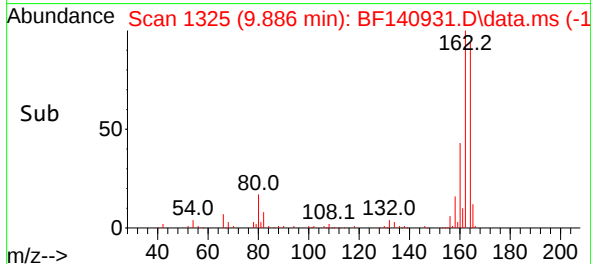
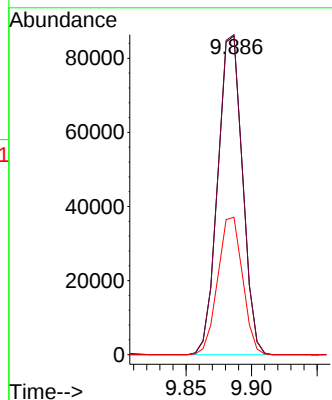
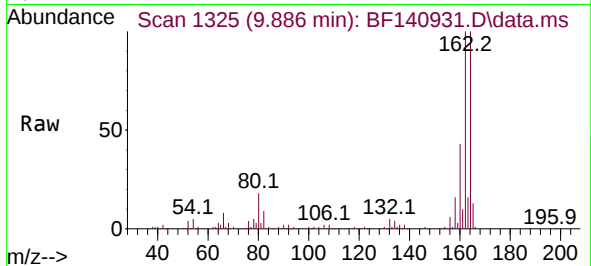




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 112703
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

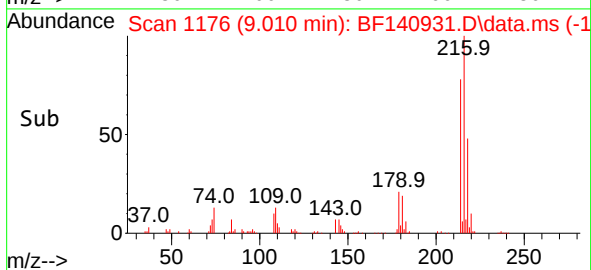
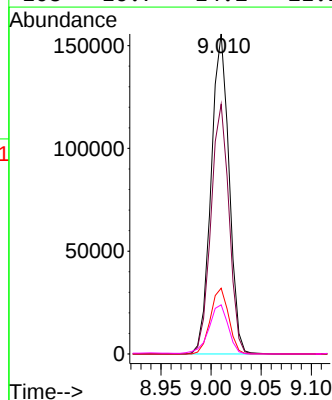
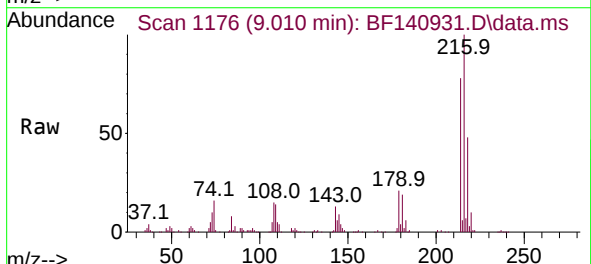
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

Tgt Ion:164 Resp: 112703
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 43.1 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.072 ng
RT: 9.010 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:216 Resp: 194237
Ion Ratio Lower Upper
216 100
214 78.3 63.6 95.4
179 20.8 17.0 25.4
108 16.7 14.2 21.2

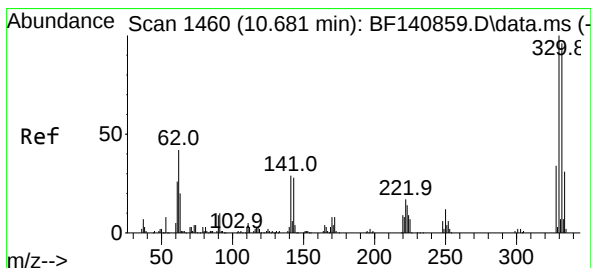
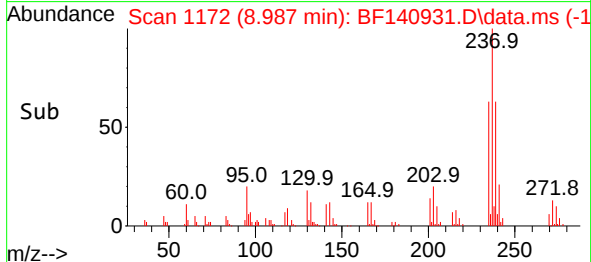
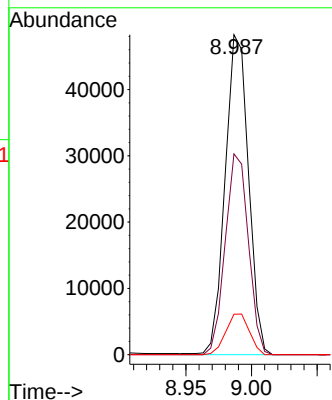
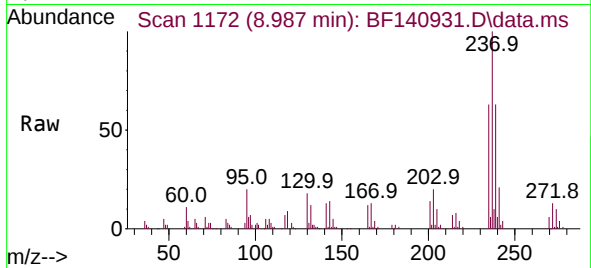




#41
Hexachlorocyclopentadiene
Concen: 58.889 ng
RT: 8.987 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

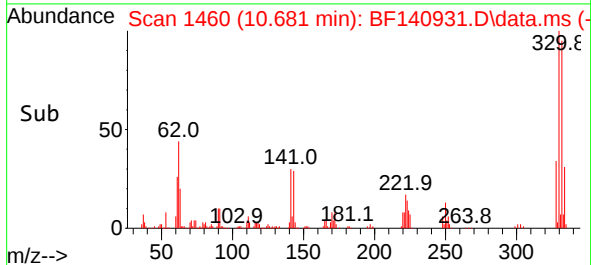
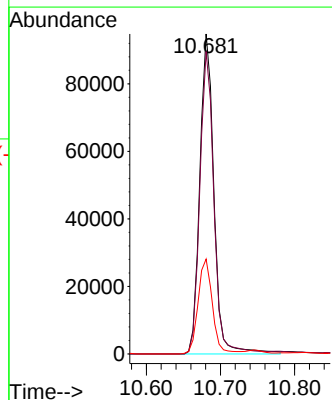
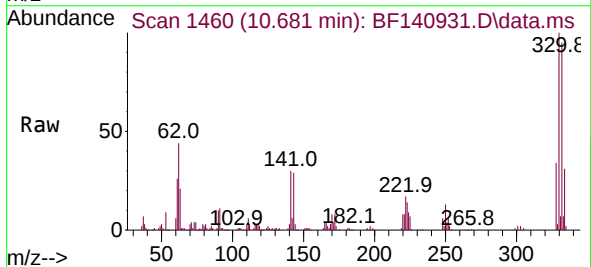
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

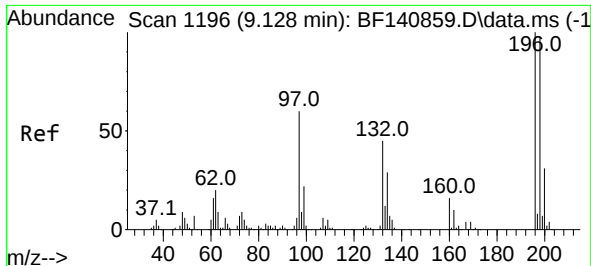
Tgt Ion:237 Resp: 59806
Ion Ratio Lower Upper
237 100
235 62.7 43.7 83.7
272 12.7 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 94.165 ng
RT: 10.681 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:330 Resp: 125518
Ion Ratio Lower Upper
330 100
332 93.9 76.2 114.4
141 30.0 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 53.008 ng

RT: 9.134 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

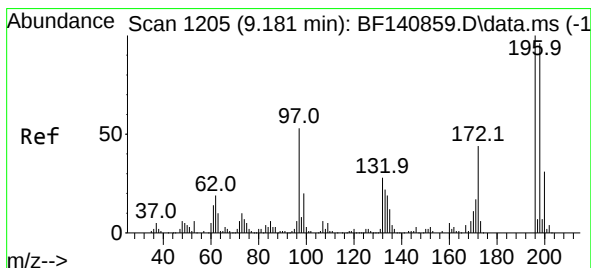
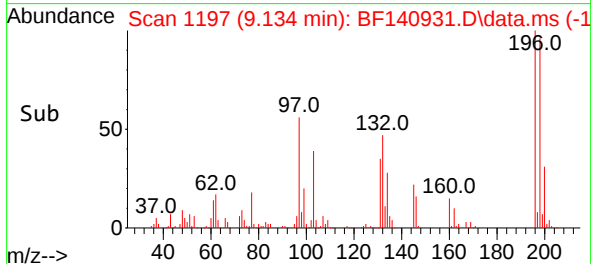
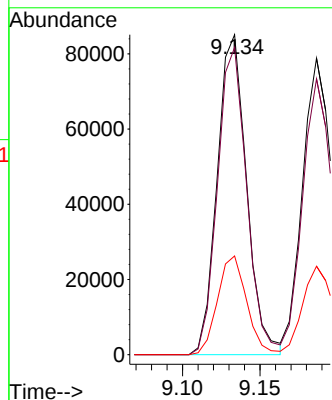
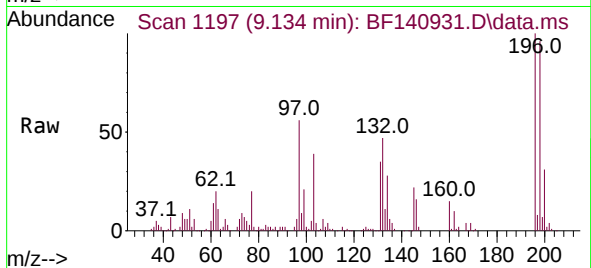
Tgt Ion:196 Resp: 112438

Ion Ratio Lower Upper

196 100

198 96.1 77.4 116.0

200 30.9 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 51.038 ng

RT: 9.187 min Scan# 1206

Delta R.T. 0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Tgt Ion:196 Resp: 118991

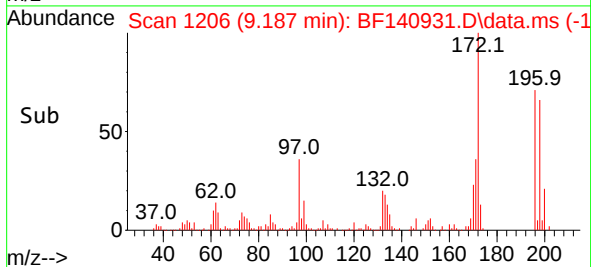
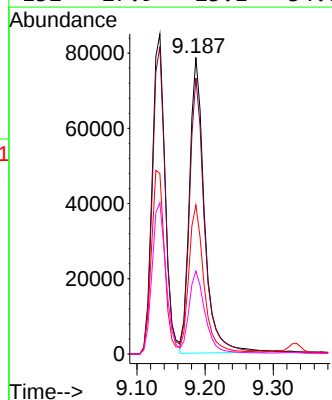
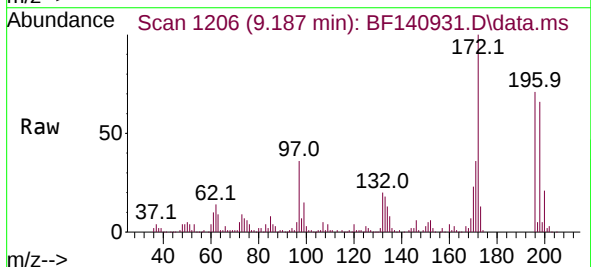
Ion Ratio Lower Upper

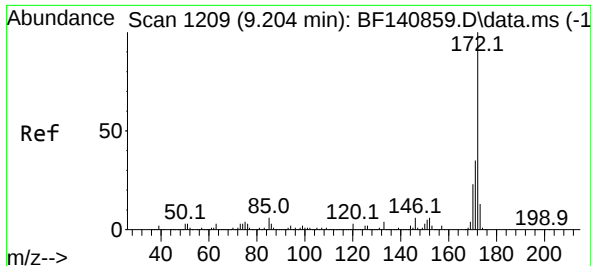
196 100

198 93.0 77.2 115.8

97 50.2 42.2 63.4

132 27.9 23.1 34.7

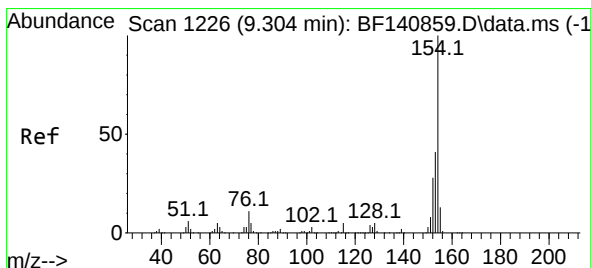
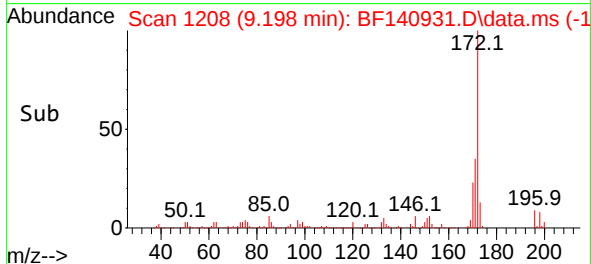
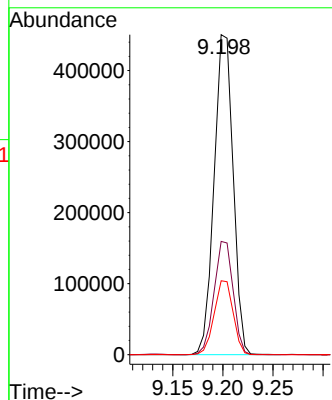
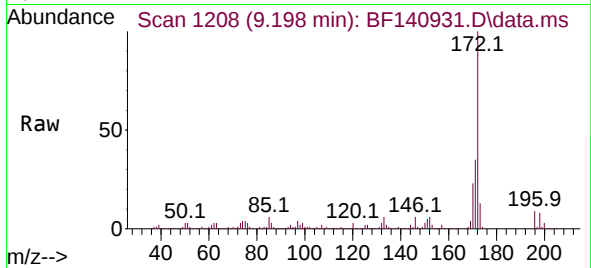




#45
2-Fluorobiphenyl
Concen: 72.513 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

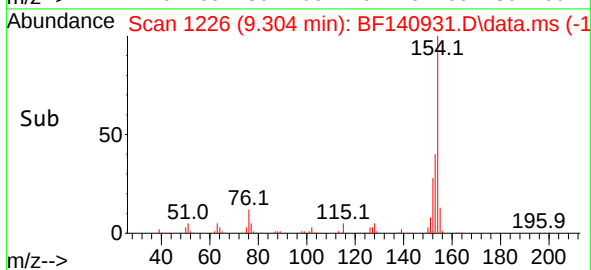
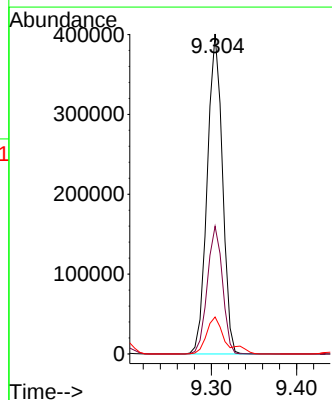
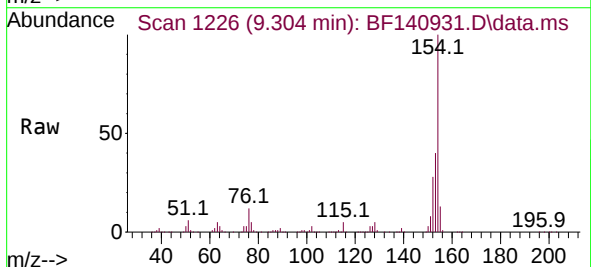
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

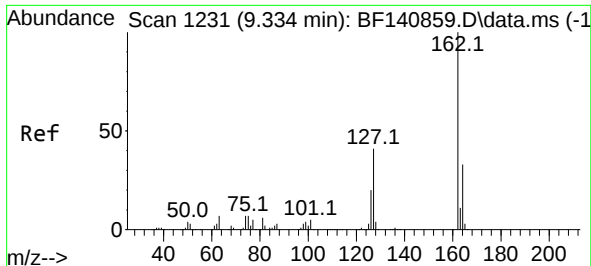
Tgt Ion:172 Resp: 594424
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 55.338 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:154 Resp: 495934
Ion Ratio Lower Upper
154 100
153 39.9 20.8 60.8
76 11.5 0.0 31.0

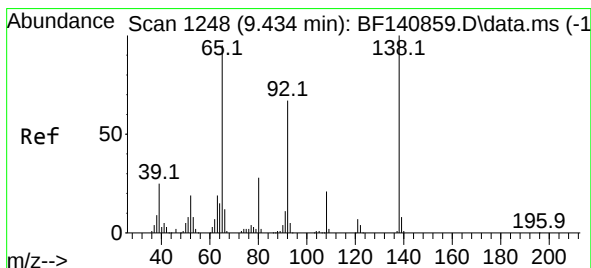
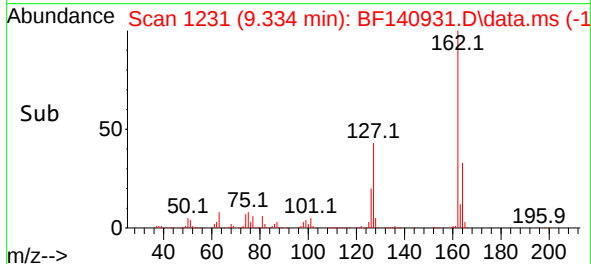
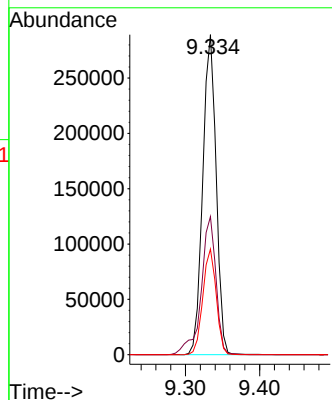
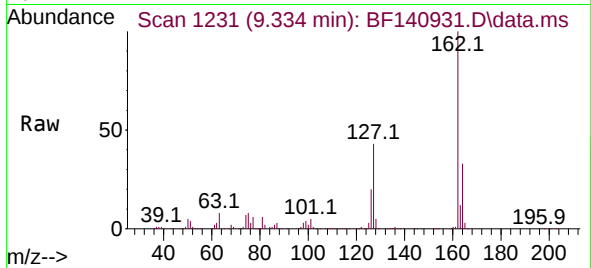




#47
2-Chloronaphthalene
Concen: 52.978 ng
RT: 9.334 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

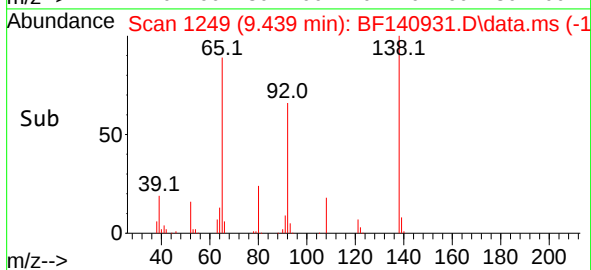
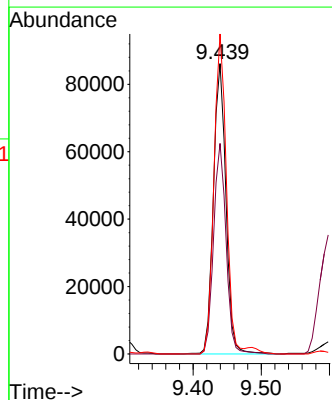
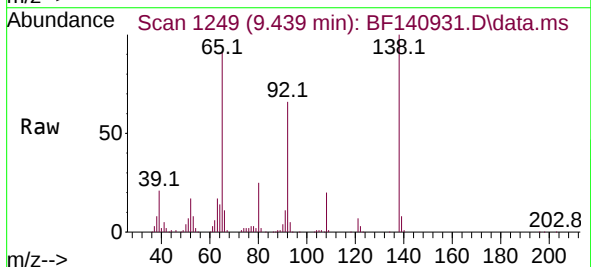
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

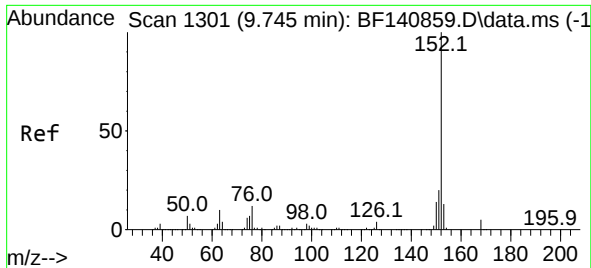
Tgt Ion:162 Resp: 363218
Ion Ratio Lower Upper
162 100
127 43.1 33.5 50.3
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 53.327 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 65 Resp: 110419
Ion Ratio Lower Upper
65 100
92 72.5 56.3 84.5
138 110.2 83.8 125.6





#49

Acenaphthylene

Concen: 57.378 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

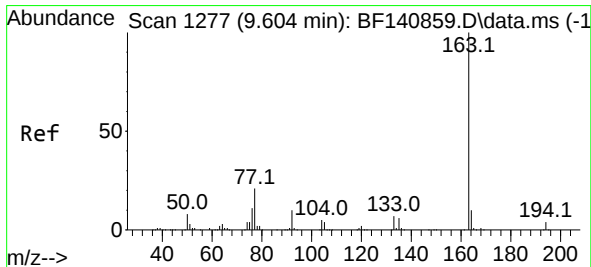
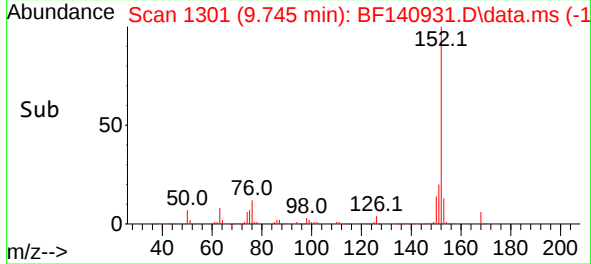
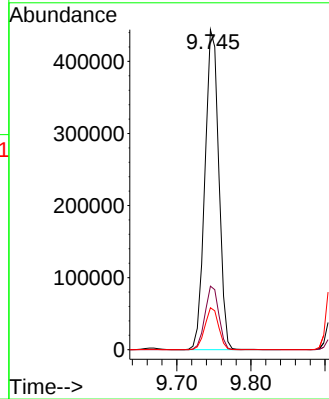
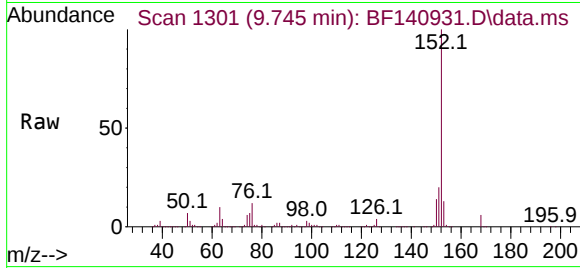
Tgt Ion:152 Resp: 578109

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 53.953 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

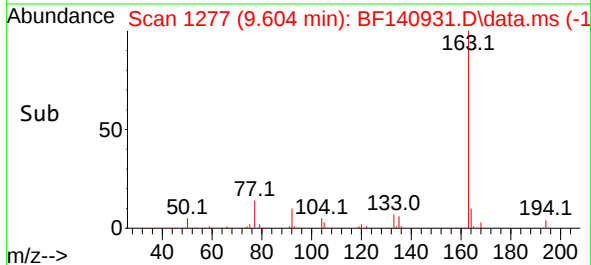
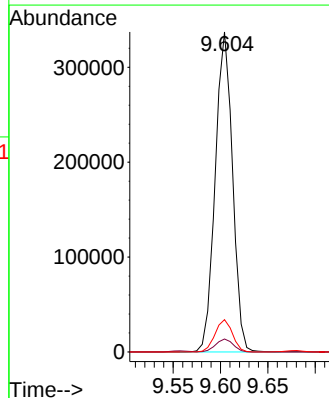
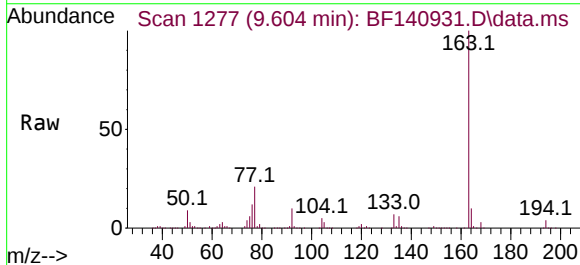
Tgt Ion:163 Resp: 428698

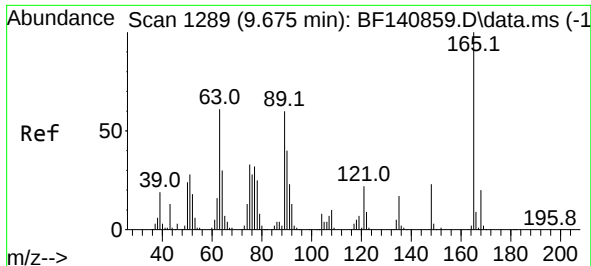
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.1 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 49.452 ng

RT: 9.681 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

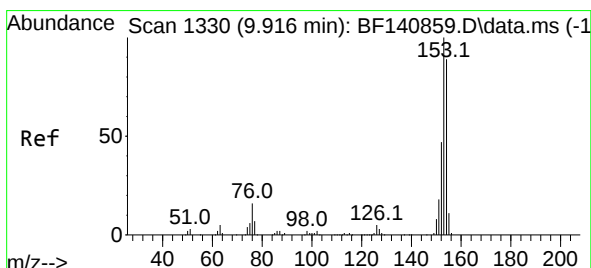
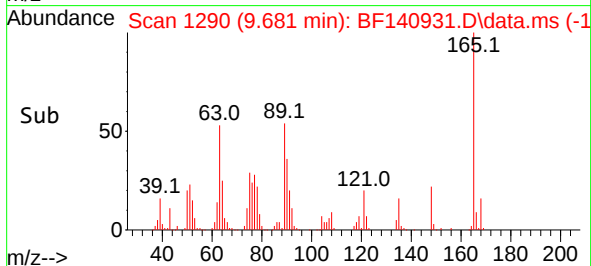
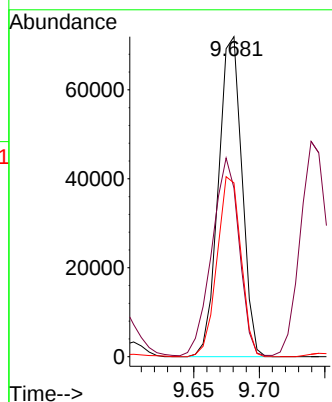
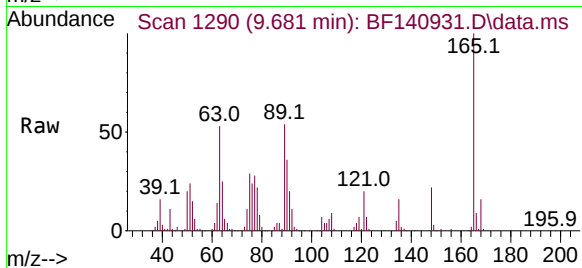
Tgt Ion:165 Resp: 89829

Ion Ratio Lower Upper

165 100

63 52.7 49.7 74.5

89 54.3 48.2 72.4



#52

Acenaphthene

Concen: 53.763 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

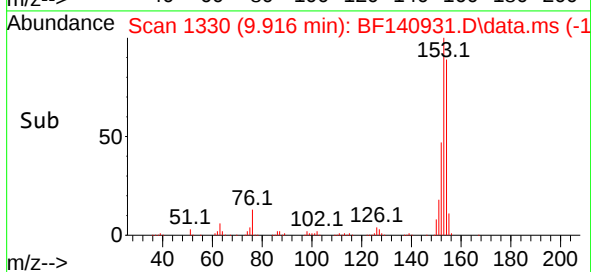
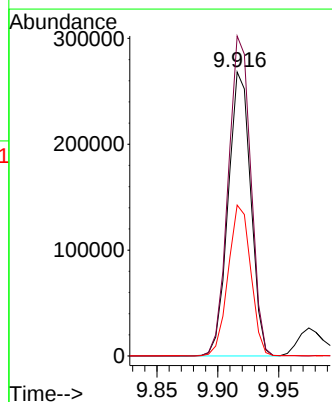
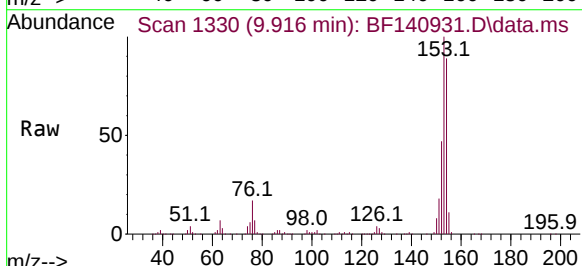
Tgt Ion:154 Resp: 346015

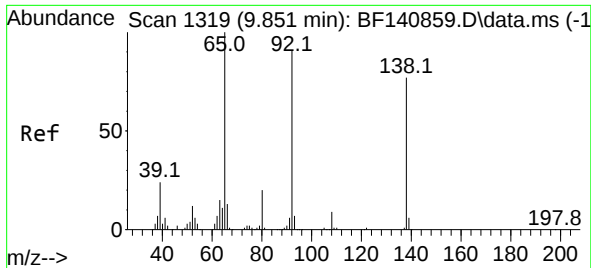
Ion Ratio Lower Upper

154 100

153 112.7 89.9 134.9

152 53.1 42.6 63.8

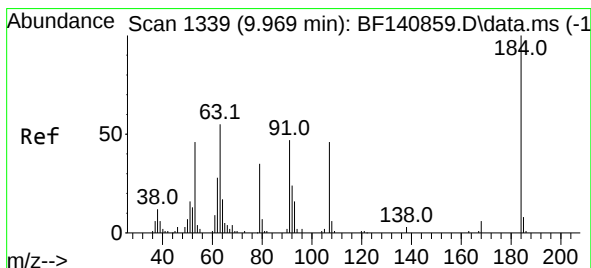
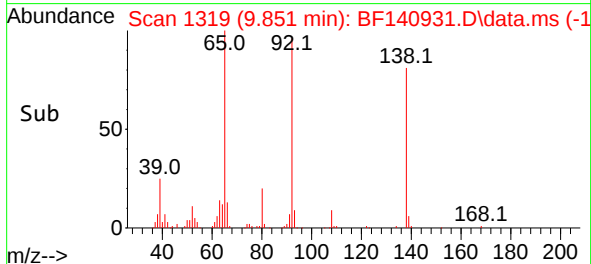
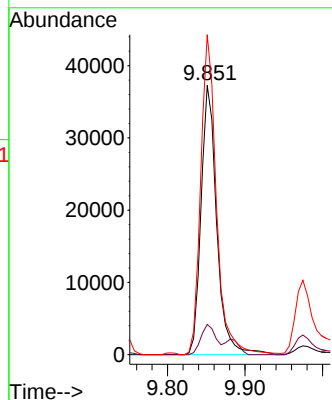
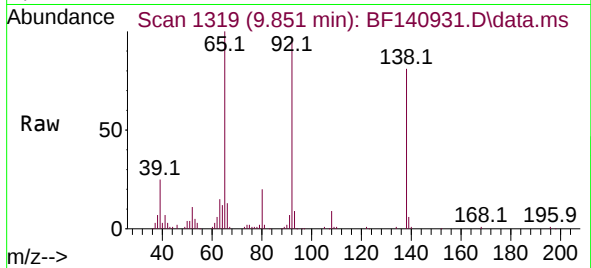




#53
3-Nitroaniline
Concen: 29.091 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

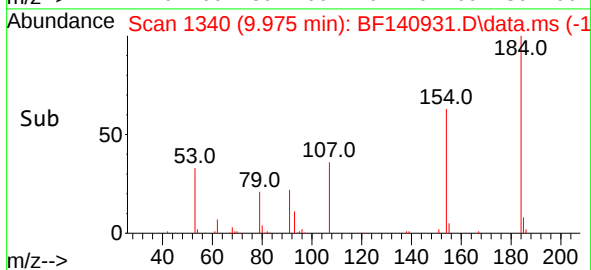
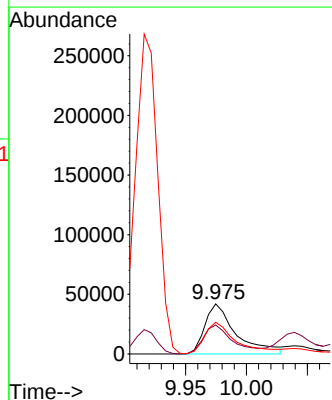
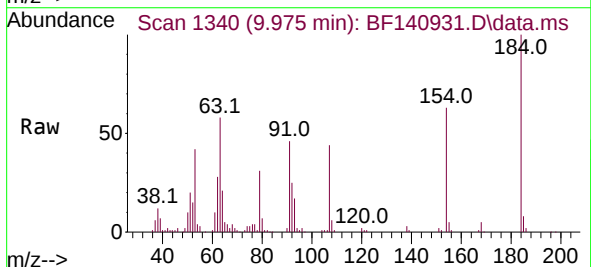
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

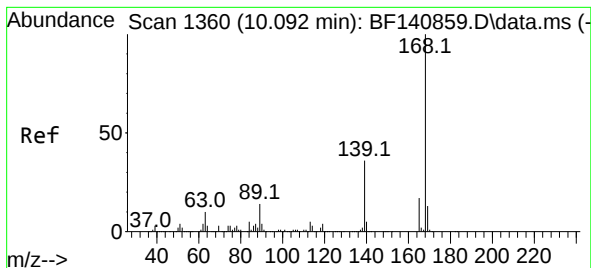
Tgt Ion:138 Resp: 52441
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.4
92 118.8 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 84.371 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:184 Resp: 75123
Ion Ratio Lower Upper
184 100
63 57.8 51.6 77.4
154 63.1 56.1 84.1





#55

Dibenzofuran

Concen: 52.032 ng

RT: 10.092 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

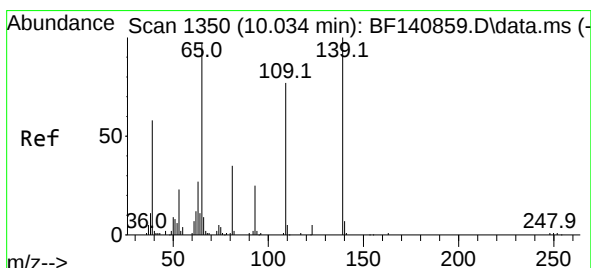
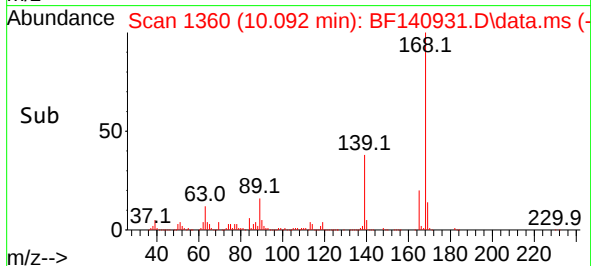
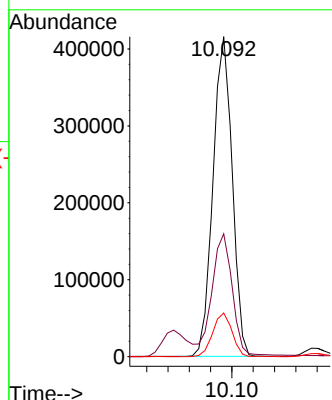
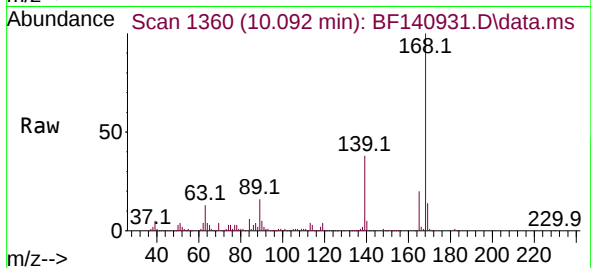
Tgt Ion:168 Resp: 518911

Ion Ratio Lower Upper

168 100

139 38.4 31.1 46.7

169 13.7 10.6 16.0



#56

4-Nitrophenol

Concen: 57.882 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.011 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

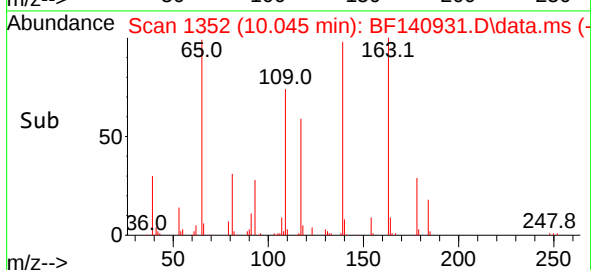
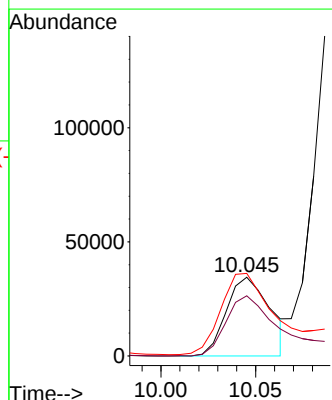
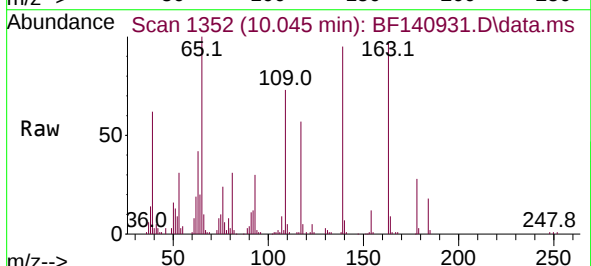
Tgt Ion:139 Resp: 54865

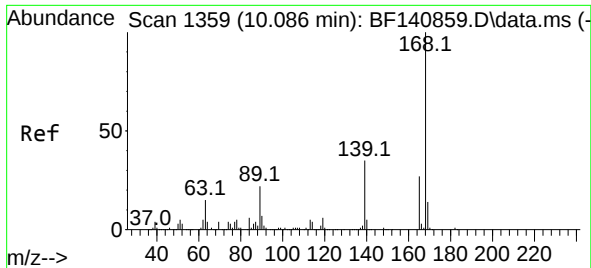
Ion Ratio Lower Upper

139 100

109 76.5 56.7 96.7

65 105.0 78.1 118.1

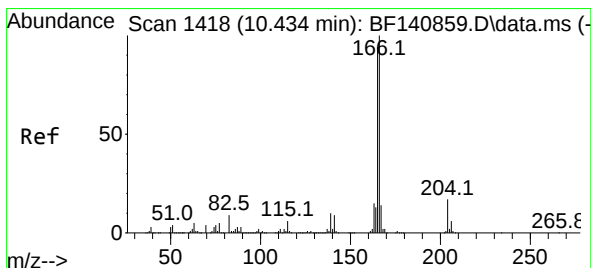
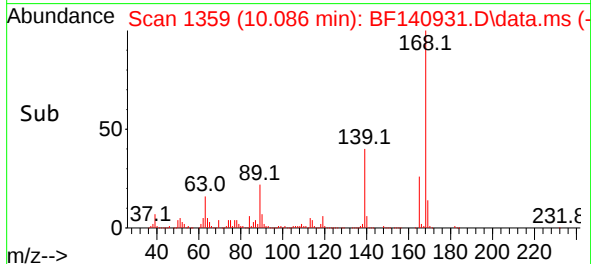
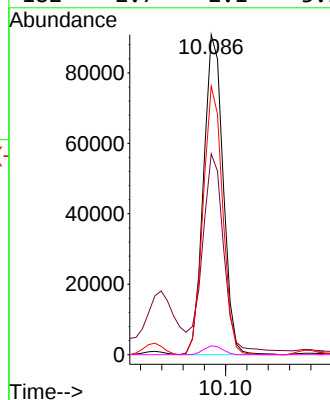
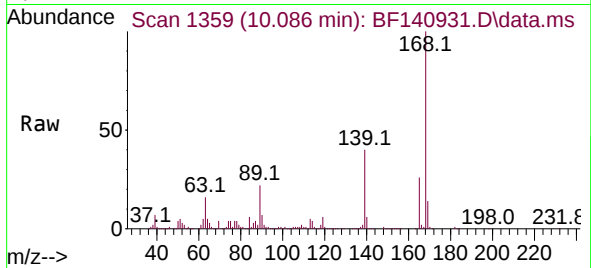




#57
2,4-Dinitrotoluene
Concen: 48.534 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

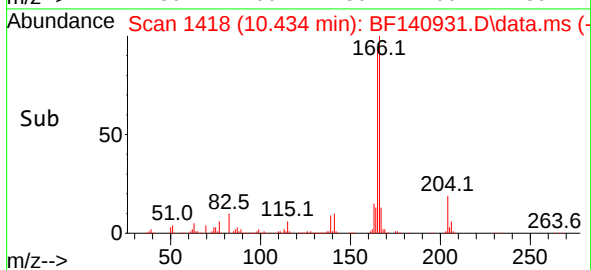
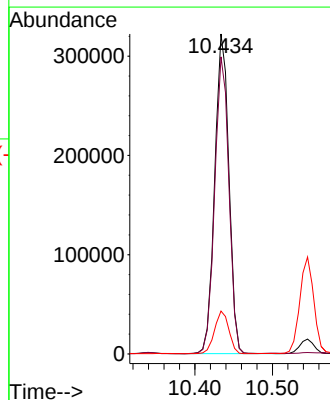
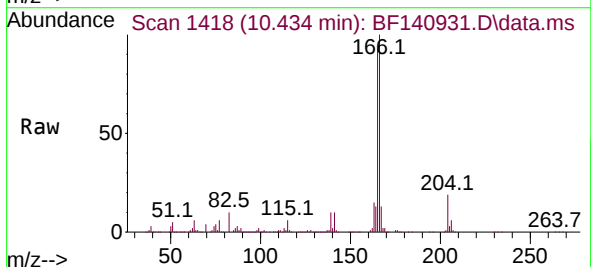
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

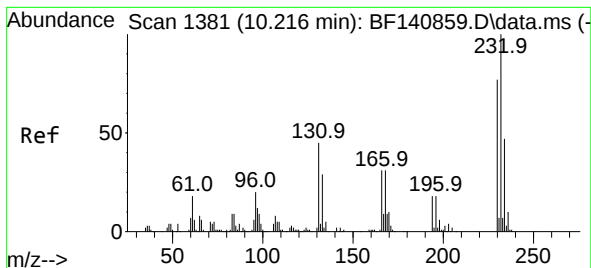
Tgt Ion:165 Resp: 115996
Ion Ratio Lower Upper
165 100
63 62.8 49.3 73.9
89 83.9 66.2 99.4
182 2.7 2.1 3.1



#58
Fluorene
Concen: 49.664 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:166 Resp: 408611
Ion Ratio Lower Upper
166 100
165 92.8 75.1 112.7
167 13.4 11.1 16.7

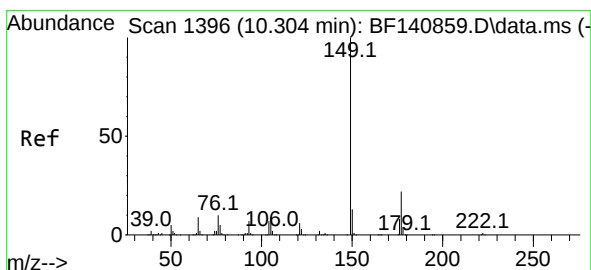
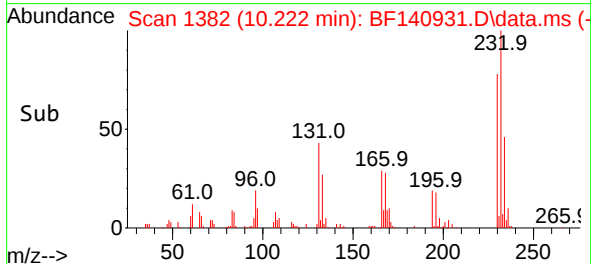
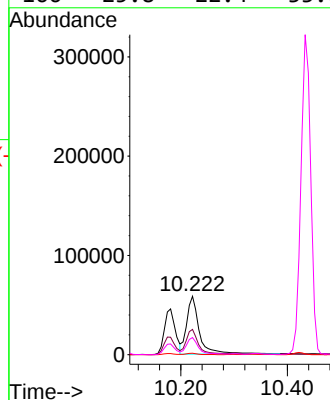
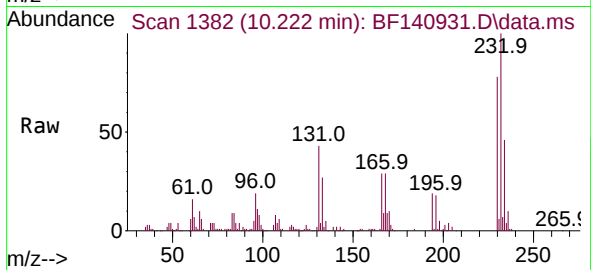




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.151 ng
RT: 10.222 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

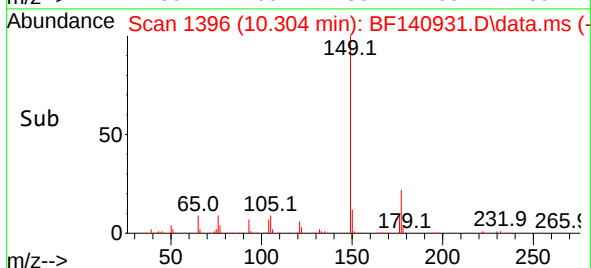
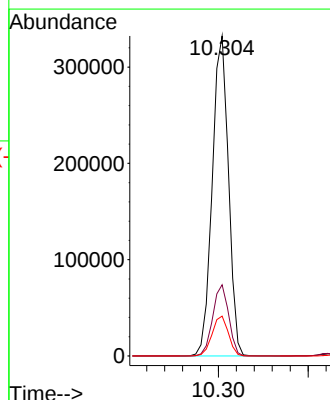
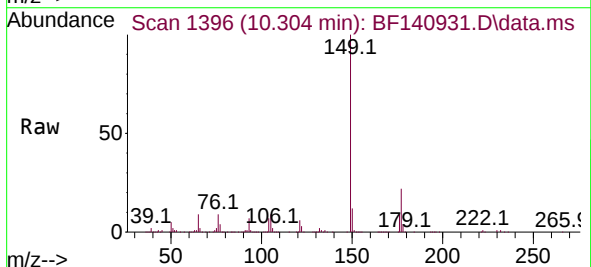
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

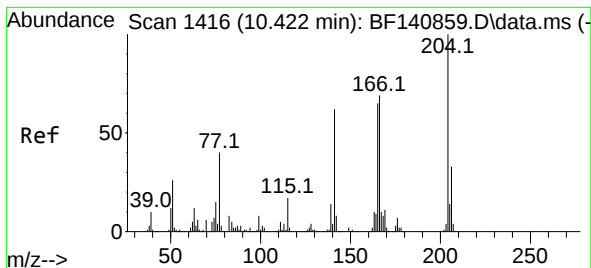
Tgt Ion:232 Resp: 95274
Ion Ratio Lower Upper
232 100
131 40.4 35.1 52.7
130 2.3 1.8 2.8
166 25.8 22.4 33.6



#60
Diethylphthalate
Concen: 50.512 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:149 Resp: 416192
Ion Ratio Lower Upper
149 100
177 22.3 17.2 25.8
150 12.5 10.1 15.1

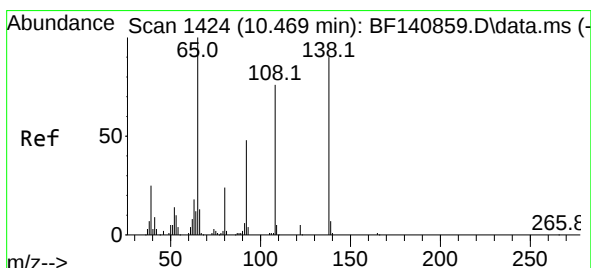
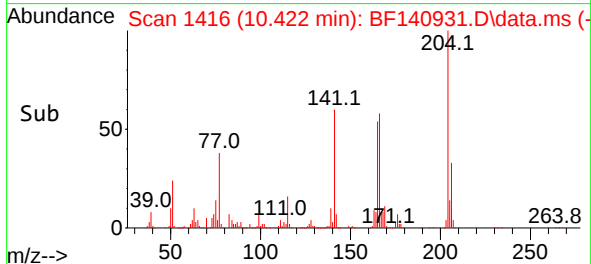
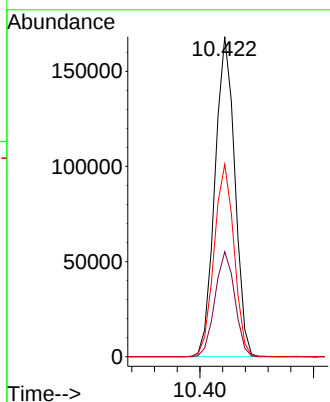
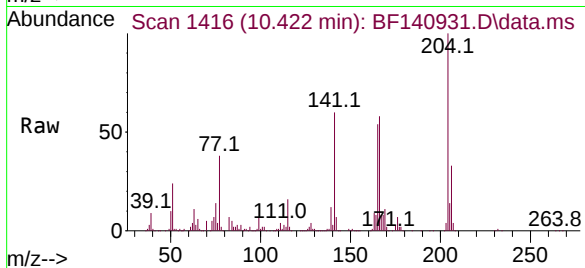




#61
4-Chlorophenyl-phenylether
Concen: 49.507 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

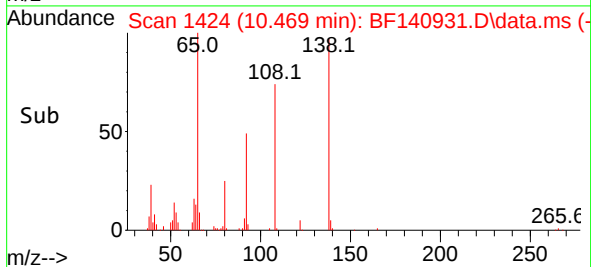
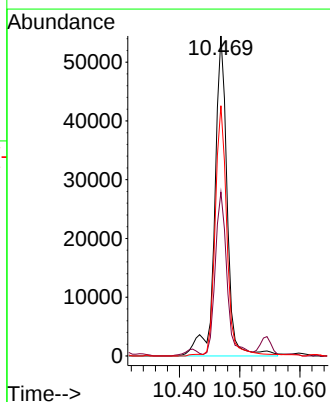
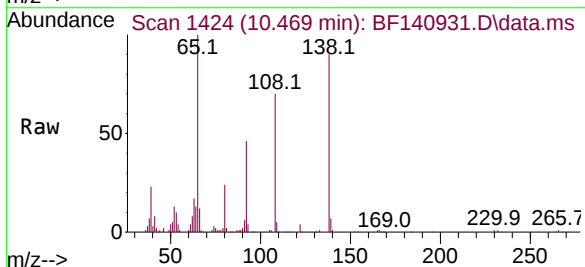
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

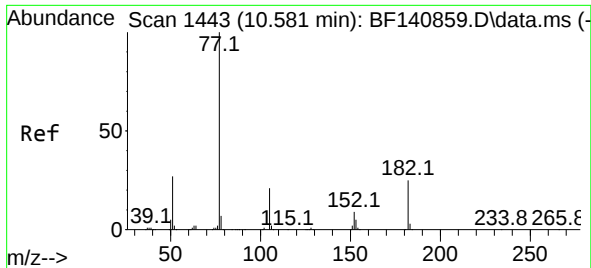
Tgt Ion:204 Resp: 204606
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 60.1 50.0 75.0



#62
4-Nitroaniline
Concen: 41.835 ng m
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:138 Resp: 78808
Ion Ratio Lower Upper
138 100
92 51.2 32.6 72.6
108 78.2 64.1 104.1

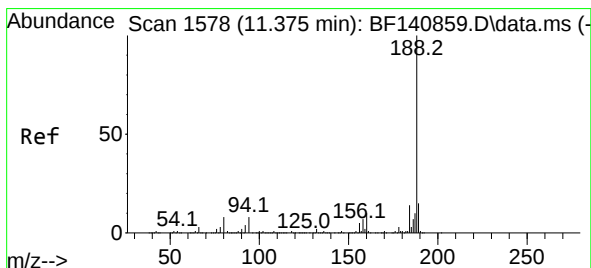
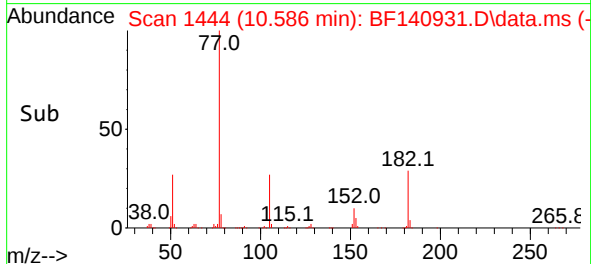
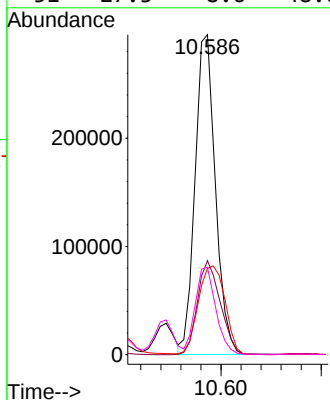
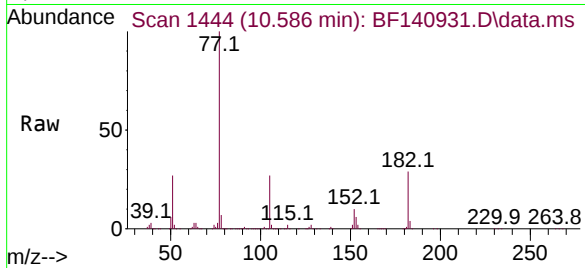




#63
Azobenzene
Concen: 53.797 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

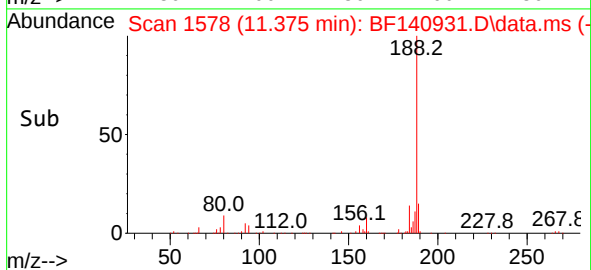
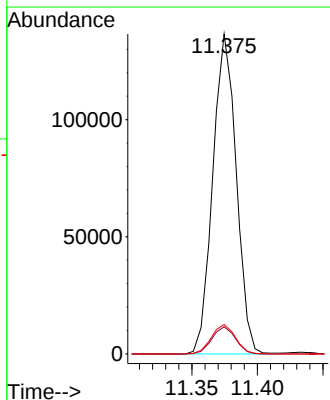
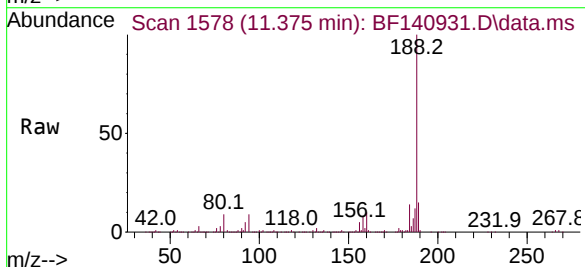
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

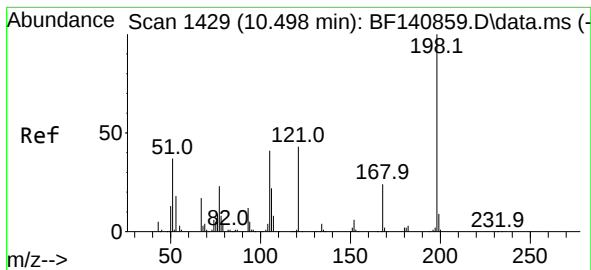
Tgt Ion: 77 Resp: 416720
Ion Ratio Lower Upper
77 100
182 29.4 4.5 44.5
105 27.0 0.9 40.9
51 27.3 8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion: 188 Resp: 169814
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 9.2 6.8 10.2

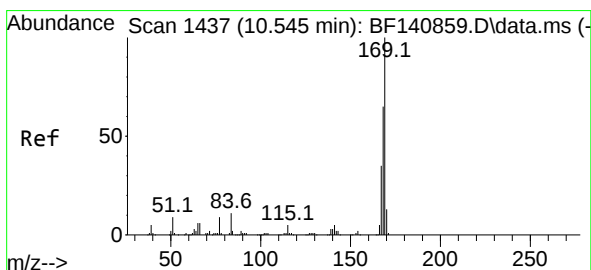
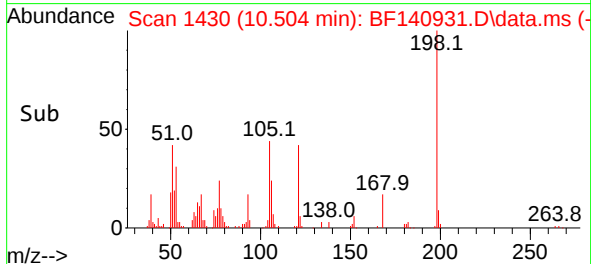
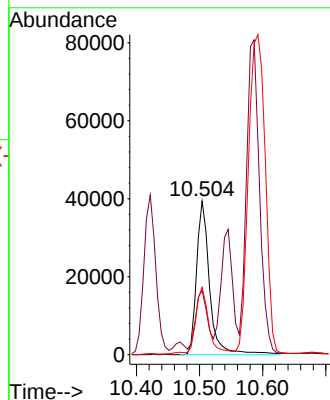
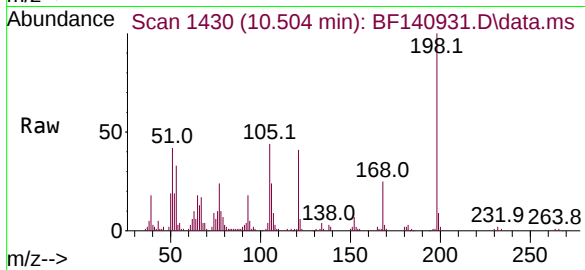




#65
4,6-Dinitro-2-methylphenol
Concen: 58.908 ng
RT: 10.504 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

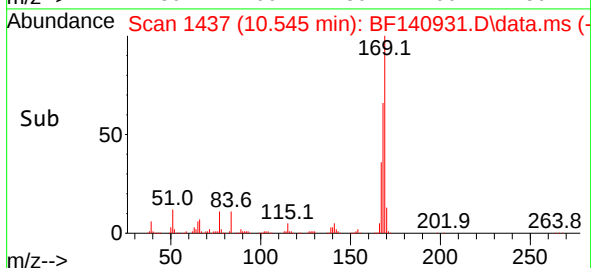
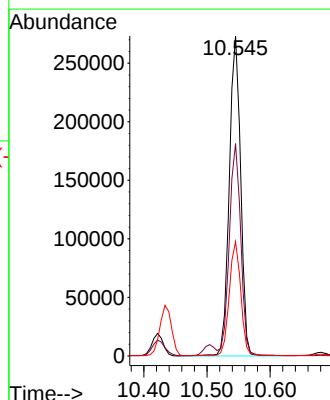
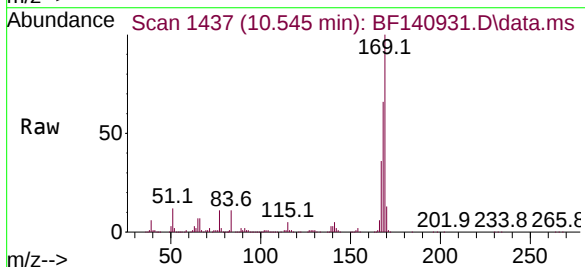
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

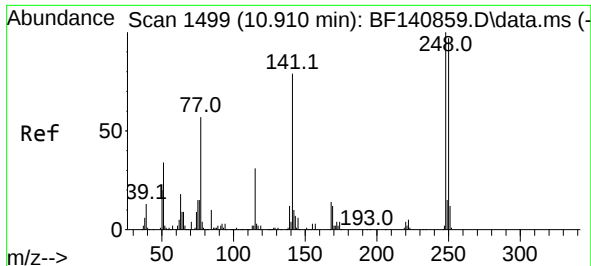
Tgt Ion:198 Resp: 56685
Ion Ratio Lower Upper
198 100
51 41.8 24.4 64.4
105 43.9 22.1 62.1



#66
n-Nitrosodiphenylamine
Concen: 65.383 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:169 Resp: 341368
Ion Ratio Lower Upper
169 100
168 66.3 53.4 80.0
167 35.7 28.3 42.5

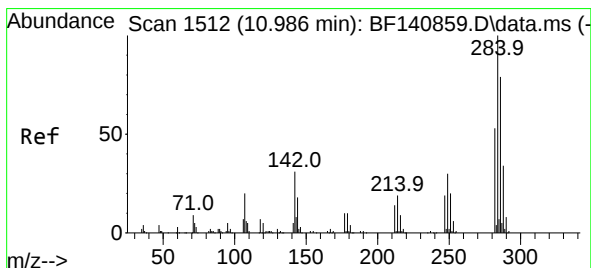
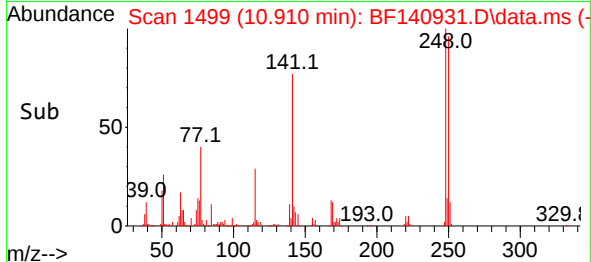
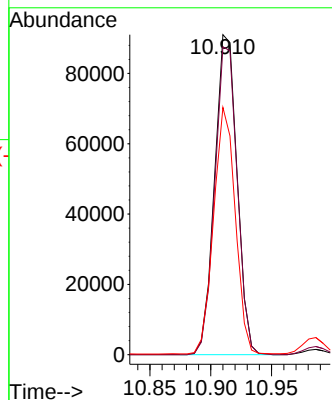
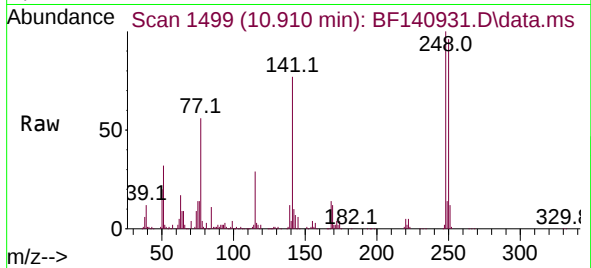




#67
4-Bromophenyl-phenylether
Concen: 61.408 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

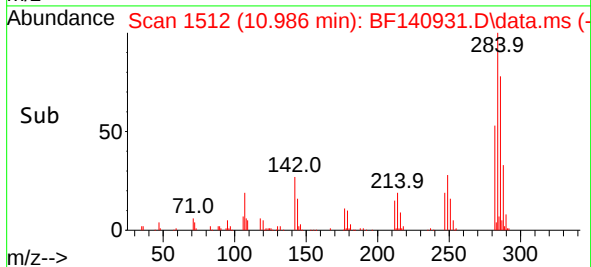
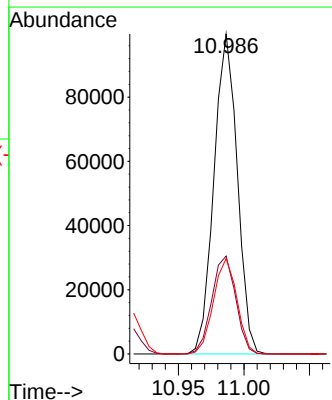
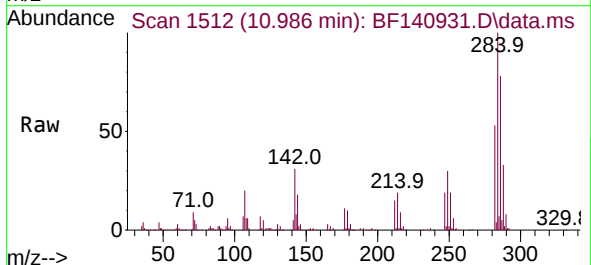
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

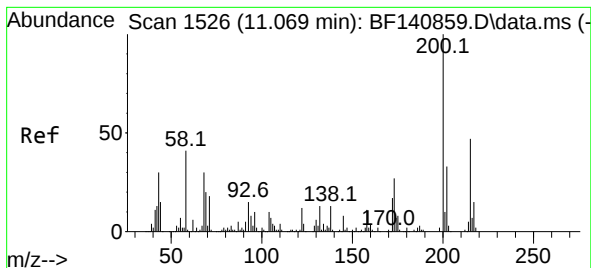
Tgt Ion:248 Resp: 116661
Ion Ratio Lower Upper
248 100
250 96.2 77.4 116.2
141 77.2 62.9 94.3



#68
Hexachlorobenzene
Concen: 57.093 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:284 Resp: 122973
Ion Ratio Lower Upper
284 100
142 30.6 24.6 36.8
249 29.8 24.3 36.5





#69

Atrazine

Concen: 70.225 ng

RT: 11.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

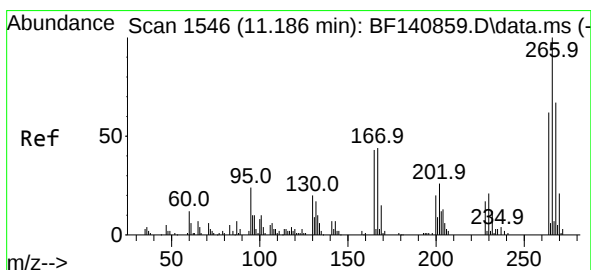
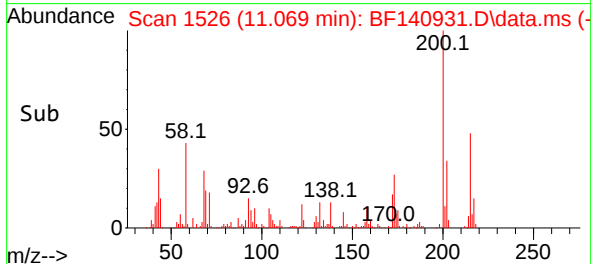
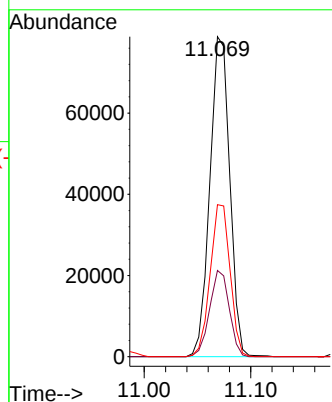
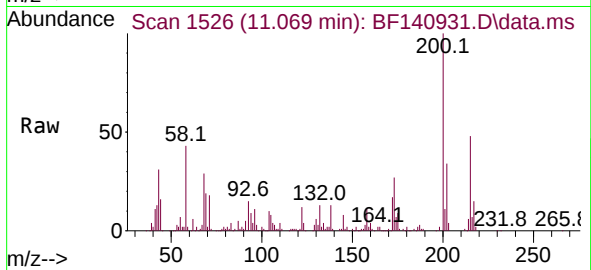
Tgt Ion:200 Resp: 102400

Ion Ratio Lower Upper

200 100

173 26.9 6.6 46.6

215 47.5 26.7 66.7



#70

Pentachlorophenol

Concen: 79.343 ng

RT: 11.192 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

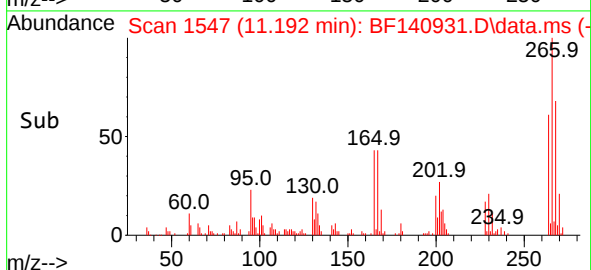
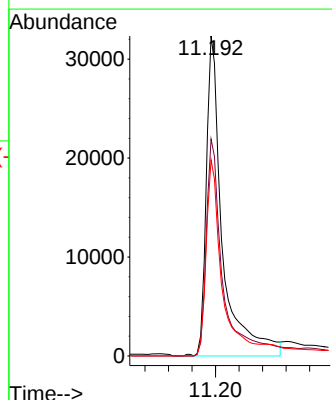
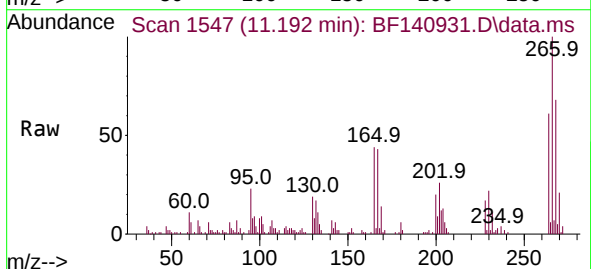
Tgt Ion:266 Resp: 62482

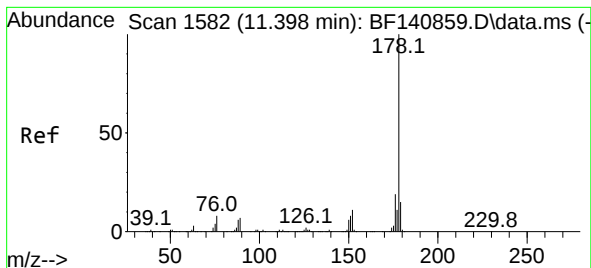
Ion Ratio Lower Upper

266 100

268 67.8 54.0 81.0

264 61.3 49.4 74.2





#71

Phenanthrene

Concen: 64.073 ng

RT: 11.398 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

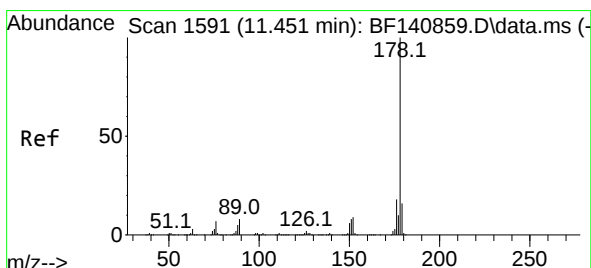
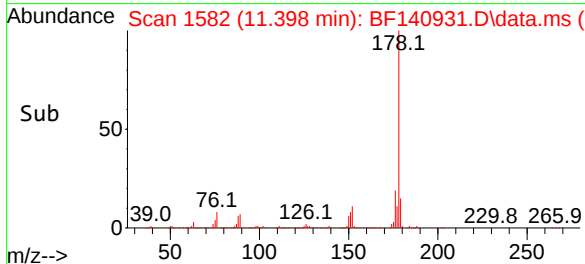
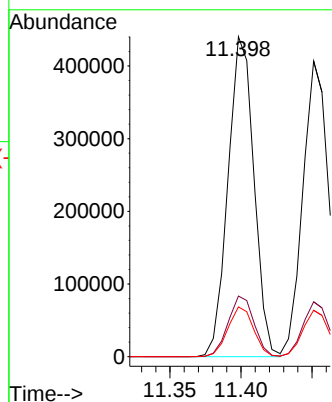
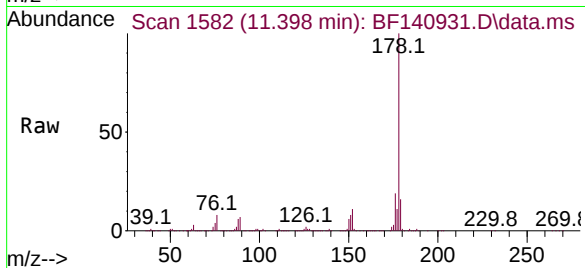
Tgt Ion:178 Resp: 559519

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.6 12.1 18.1



#72

Anthracene

Concen: 59.616 ng

RT: 11.451 min Scan# 1591

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

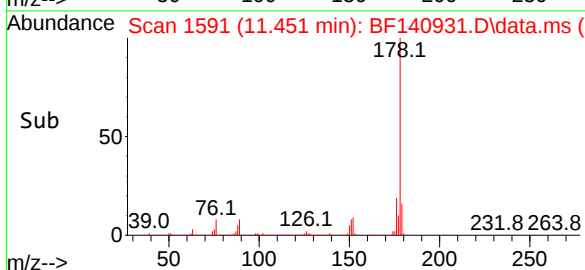
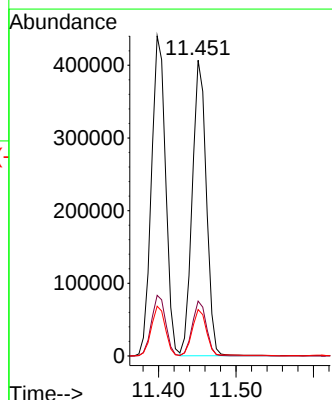
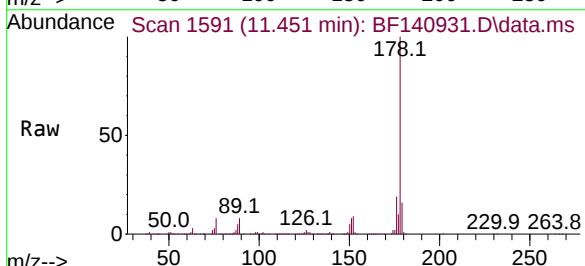
Tgt Ion:178 Resp: 512685

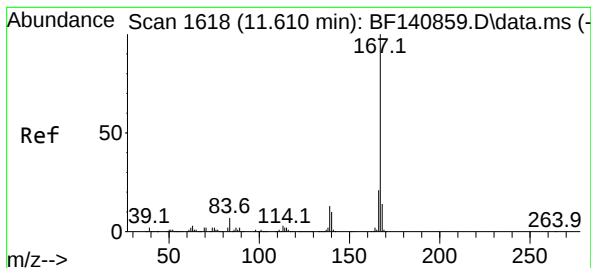
Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

179 15.7 12.6 18.8





#73

Carbazole

Concen: 50.032 ng

RT: 11.610 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

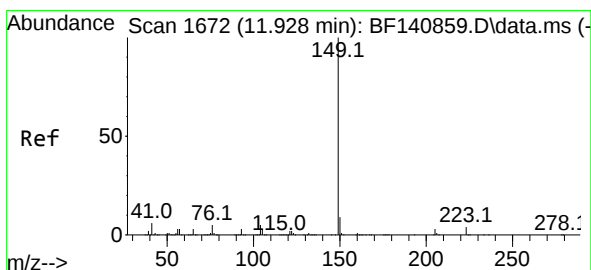
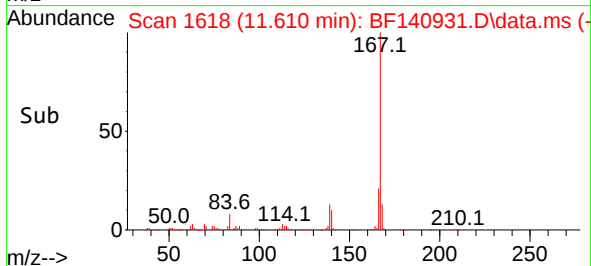
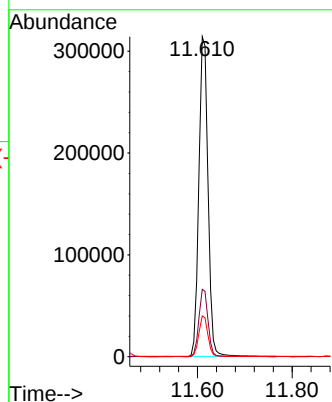
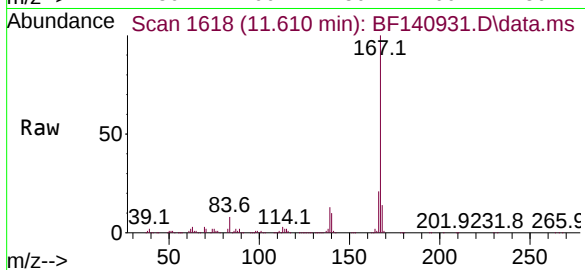
Tgt Ion:167 Resp: 421443

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.6

139 12.8 10.2 15.2



#74

Di-n-butylphthalate

Concen: 54.163 ng

RT: 11.928 min Scan# 1672

Delta R.T. -0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

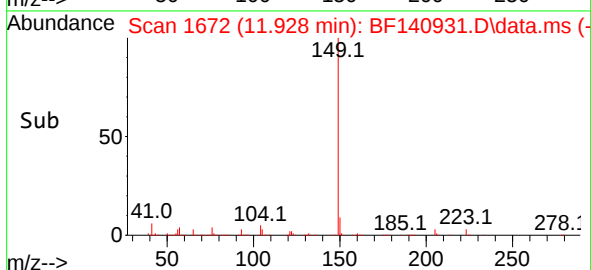
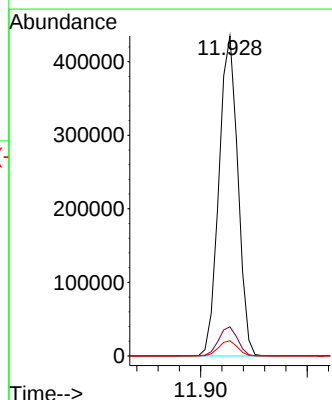
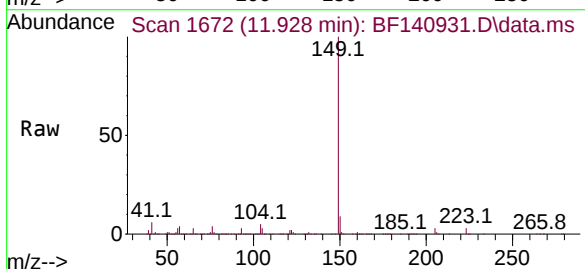
Tgt Ion:149 Resp: 535446

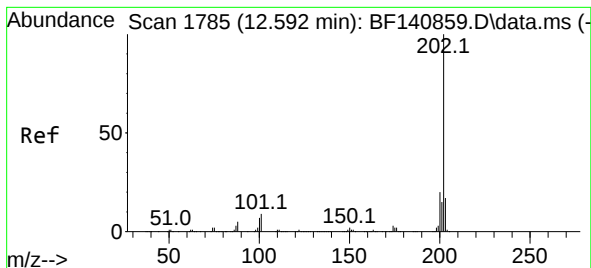
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 58.176 ng

RT: 12.592 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

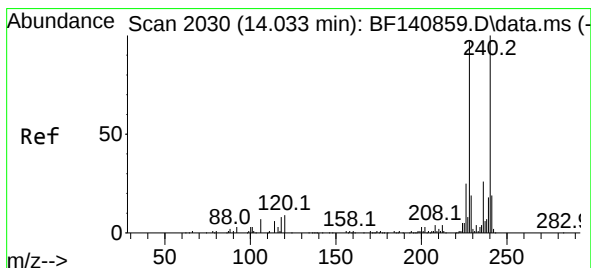
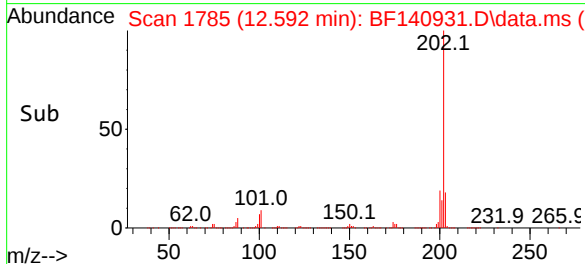
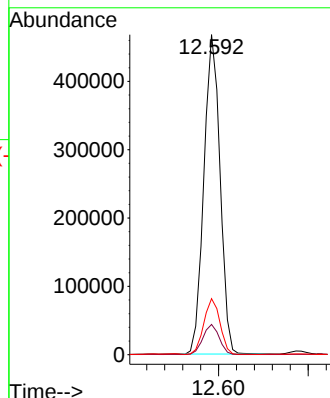
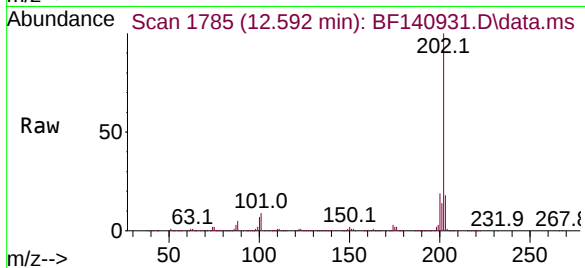
Tgt Ion:202 Resp: 585077

Ion Ratio Lower Upper

202 100

101 9.5 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: BF140931.D

Acq: 19 Dec 2024 17:23

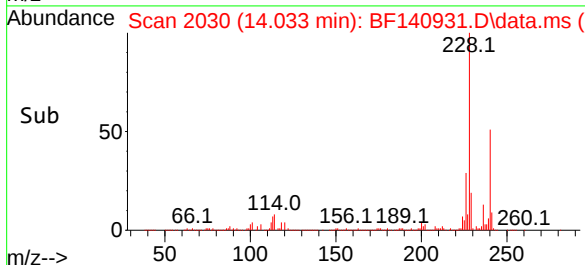
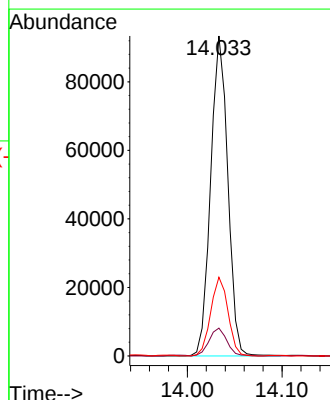
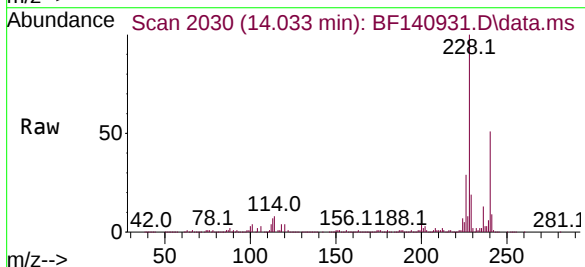
Tgt Ion:240 Resp: 117074

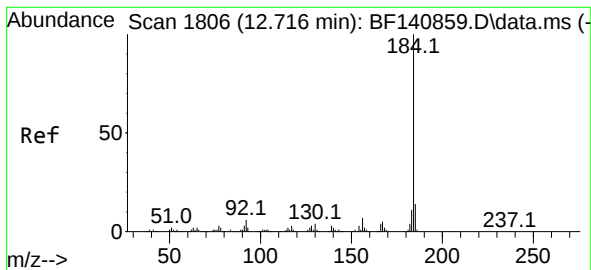
Ion Ratio Lower Upper

240 100

120 8.7 7.6 11.4

236 24.6 20.5 30.7





#77

Benzidine

Concen: 45.686 ng

RT: 12.716 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

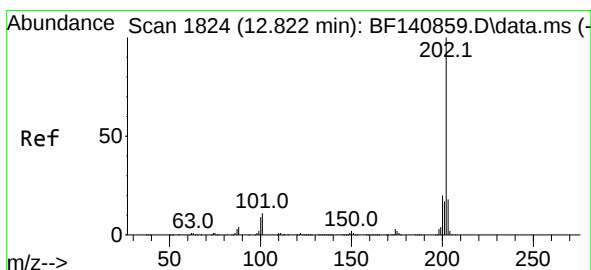
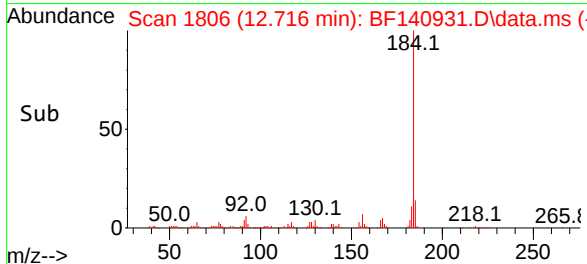
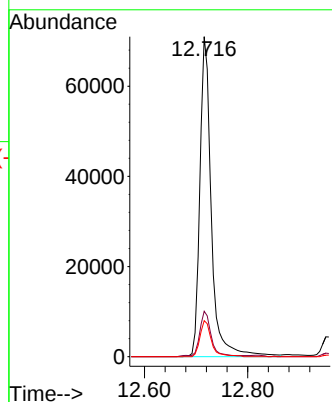
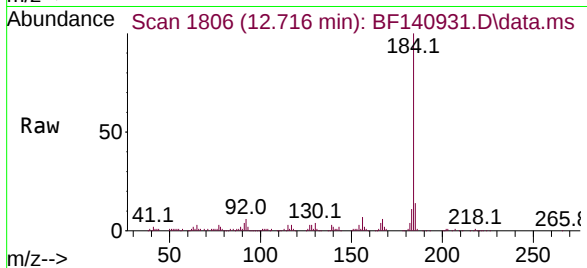
Tgt Ion:184 Resp: 109164

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

183 11.3 9.0 13.4



#78

Pyrene

Concen: 59.098 ng

RT: 12.822 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

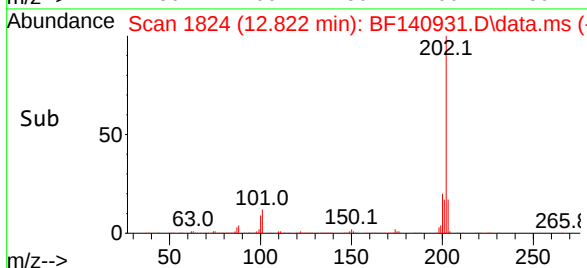
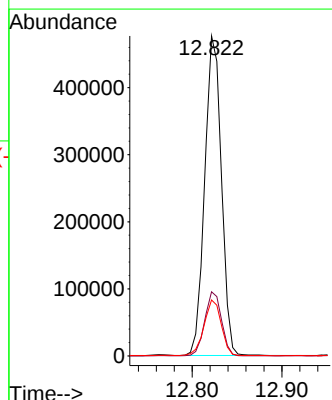
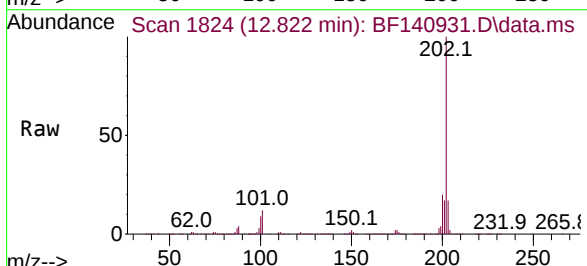
Tgt Ion:202 Resp: 615259

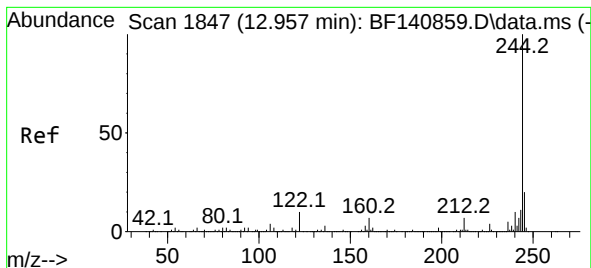
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 55.327 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

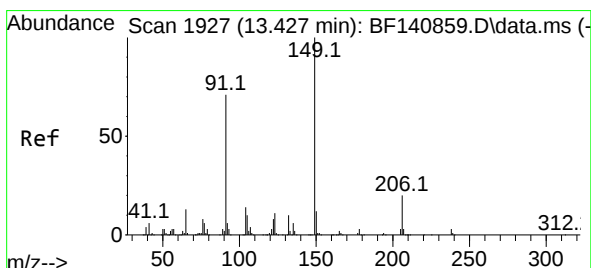
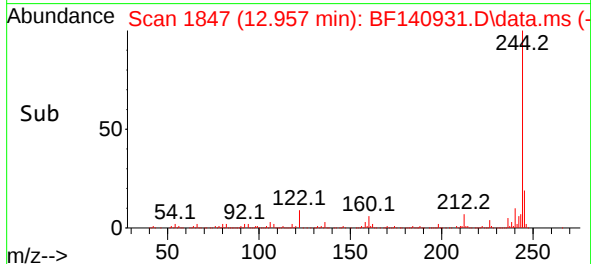
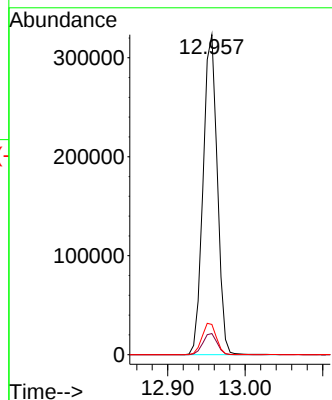
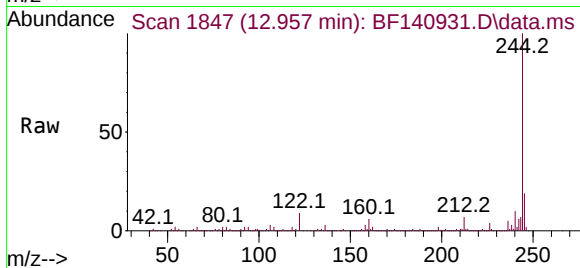
Tgt Ion:244 Resp: 410776

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 9.5 8.2 12.2



#80

Butylbenzylphthalate

Concen: 46.034 ng

RT: 13.427 min Scan# 1927

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

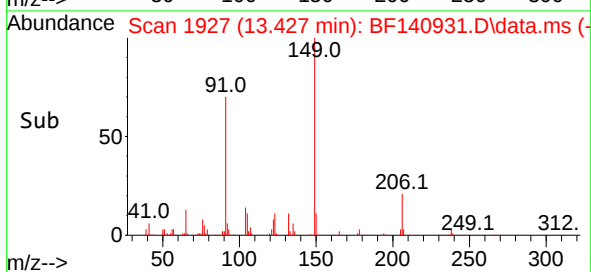
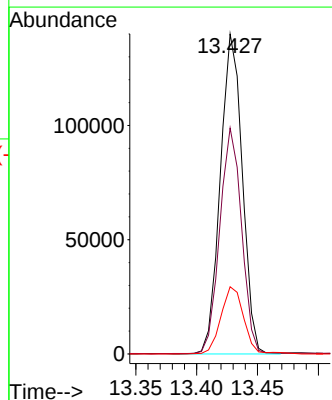
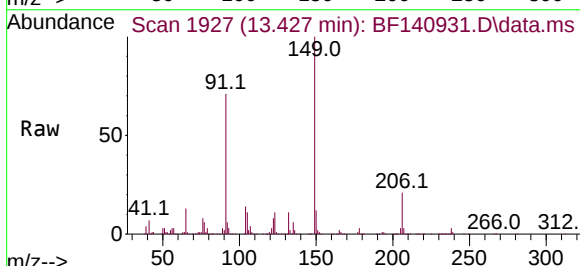
Tgt Ion:149 Resp: 176341

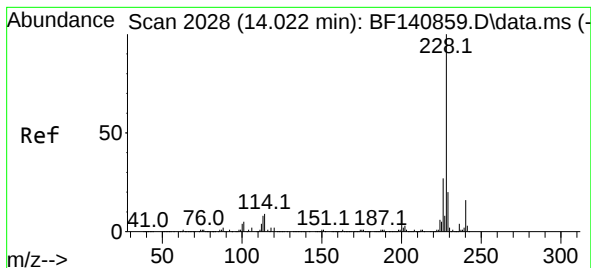
Ion Ratio Lower Upper

149 100

91 70.6 56.7 85.1

206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 60.355 ng

RT: 14.022 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

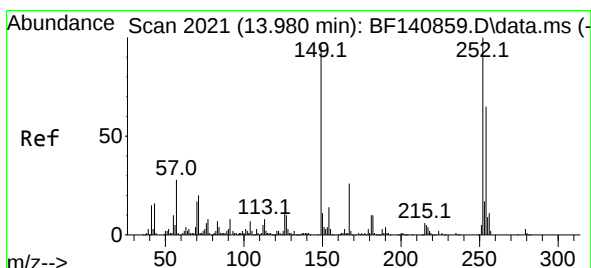
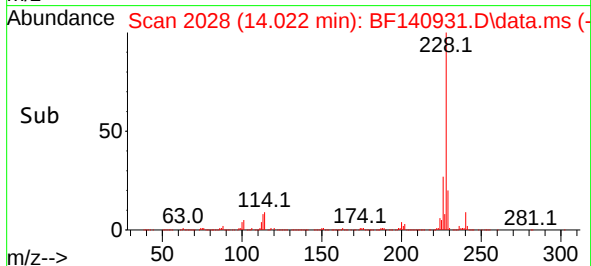
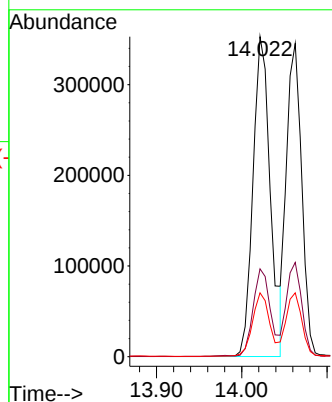
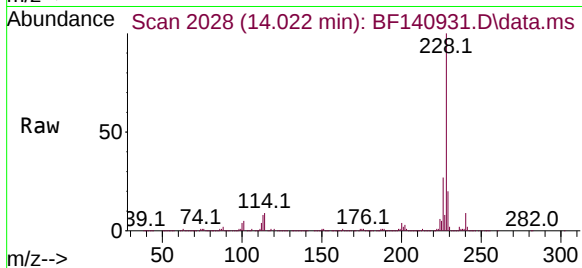
Tgt Ion:228 Resp: 500793

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 19.9 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 31.082 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

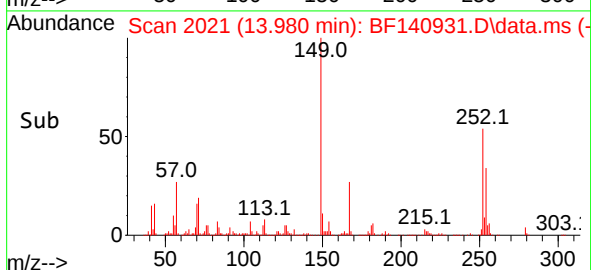
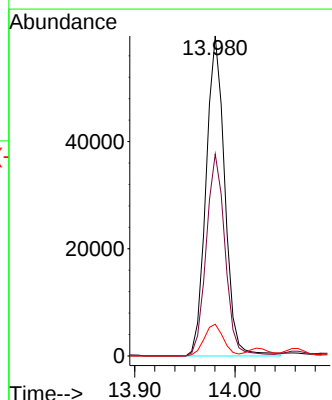
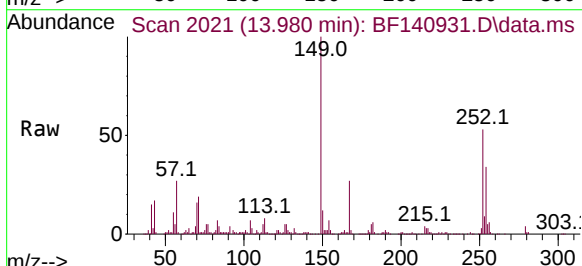
Tgt Ion:252 Resp: 77809

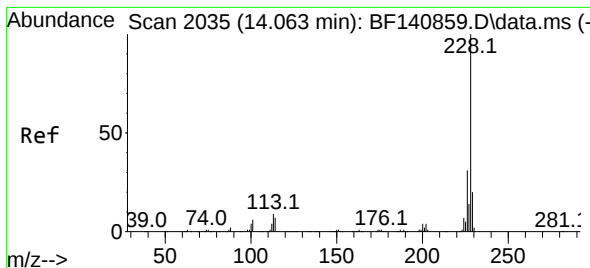
Ion Ratio Lower Upper

252 100

254 63.1 52.3 78.5

126 9.9 8.4 12.6





#83

Chrysene

Concen: 56.198 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

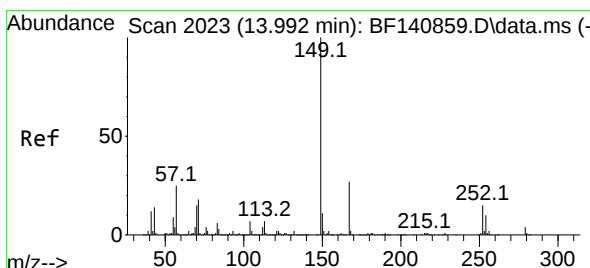
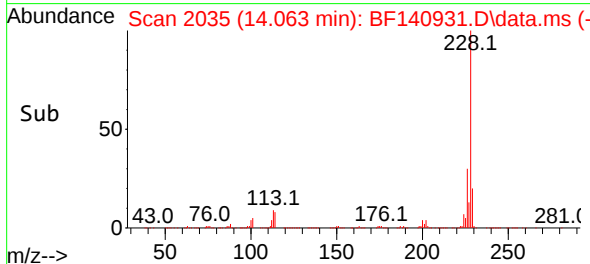
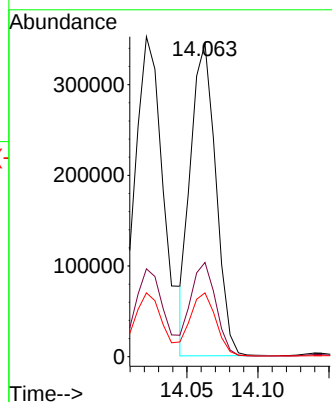
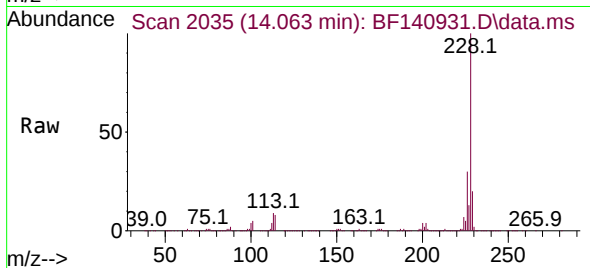
Tgt Ion:228 Resp: 424018

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 20.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.208 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

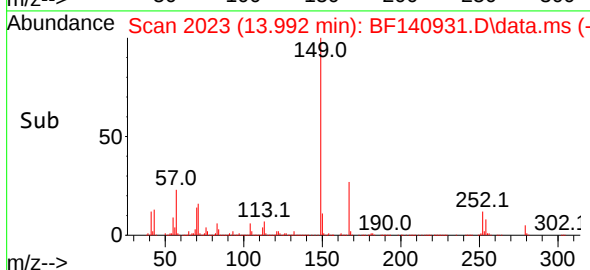
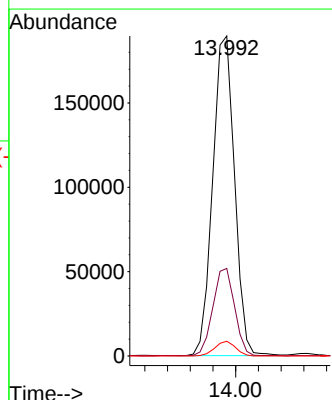
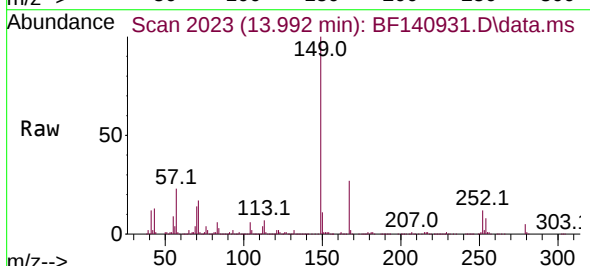
Tgt Ion:149 Resp: 252938

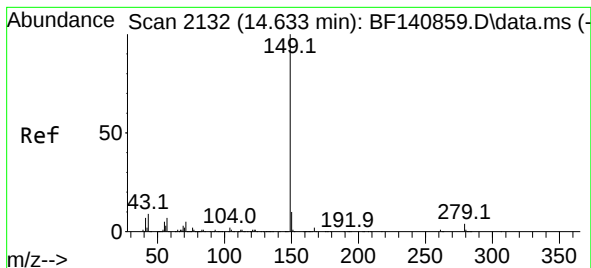
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

279 4.6 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 65.121 ng

RT: 14.627 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

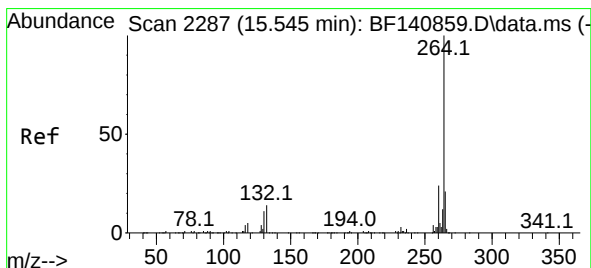
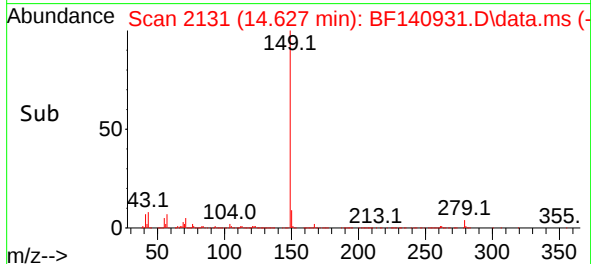
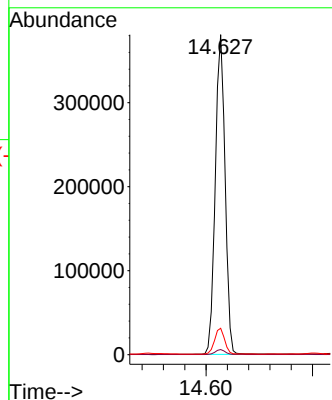
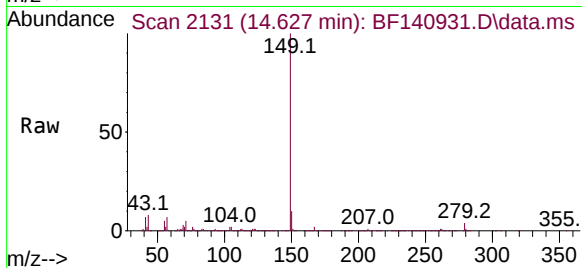
Tgt Ion:149 Resp: 486633

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.2 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

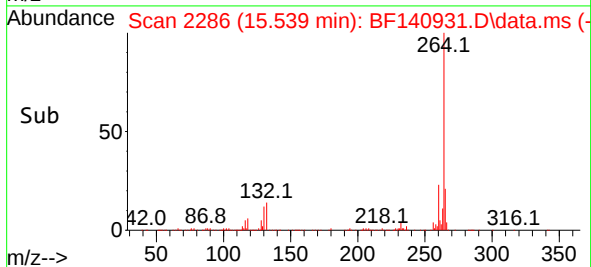
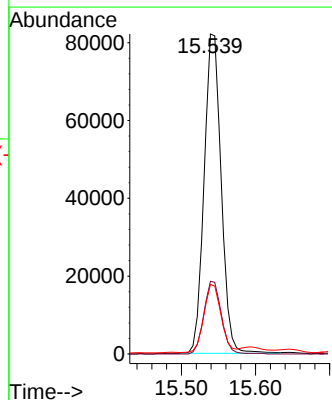
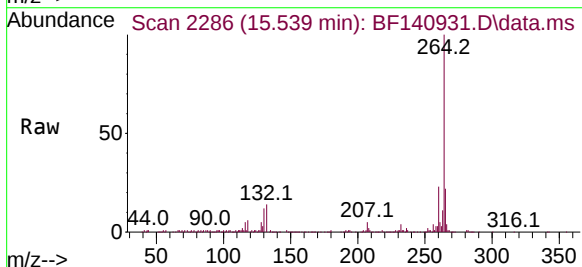
Tgt Ion:264 Resp: 131273

Ion Ratio Lower Upper

264 100

260 22.7 19.1 28.7

265 21.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.214 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

Instrument :

BNA_F

ClientSampleId :

VNJ210MSD

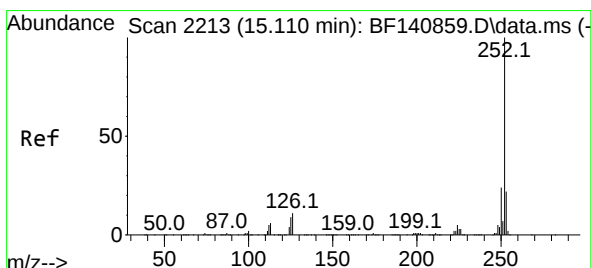
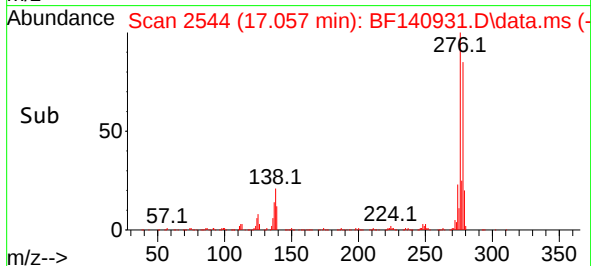
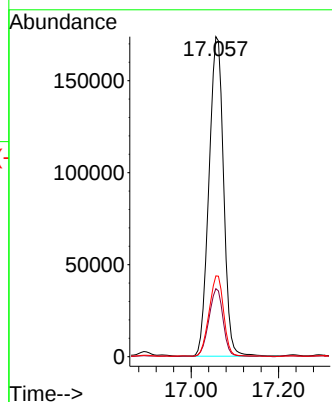
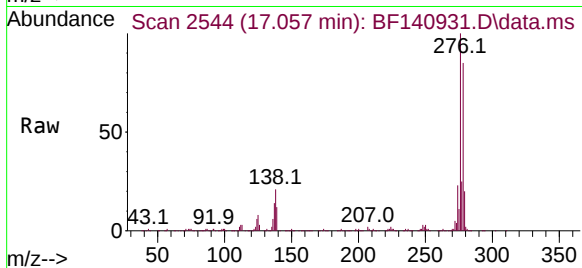
Tgt Ion:276 Resp: 403156

Ion Ratio Lower Upper

276 100

138 20.4 16.9 25.3

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 60.163 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF140931.D

Acq: 19 Dec 2024 17:23

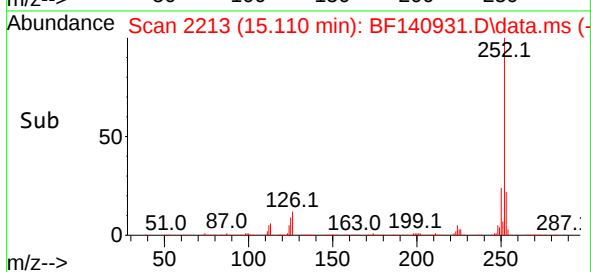
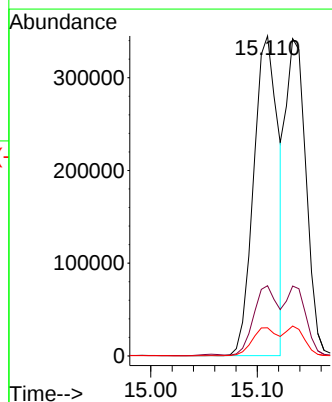
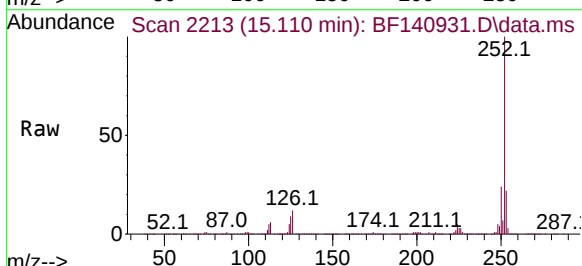
Tgt Ion:252 Resp: 548225

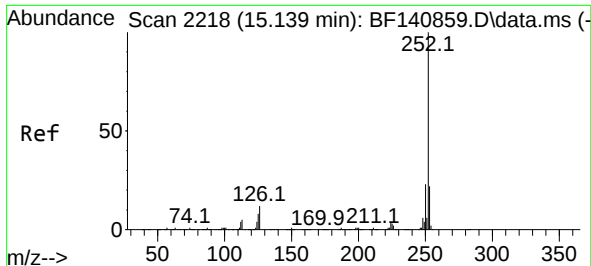
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 8.8 7.0 10.4

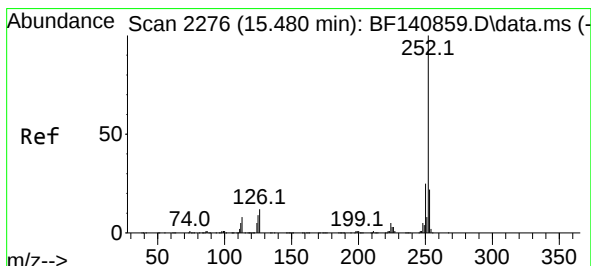
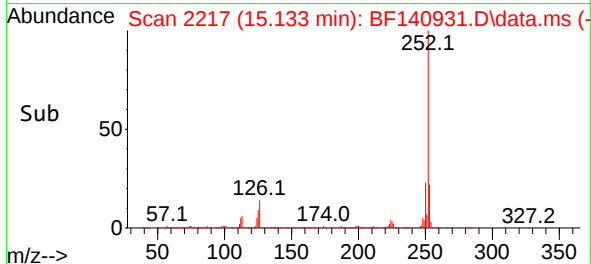
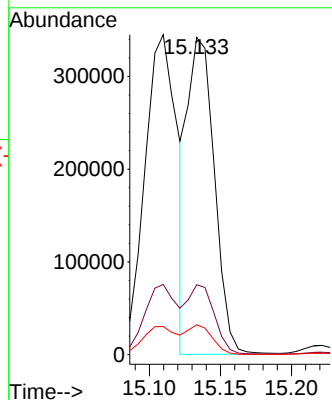
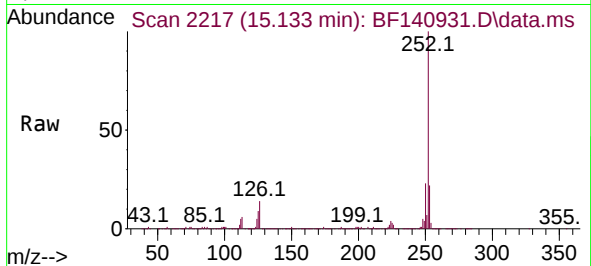




#89
Benzo(k)fluoranthene
Concen: 57.889 ng
RT: 15.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

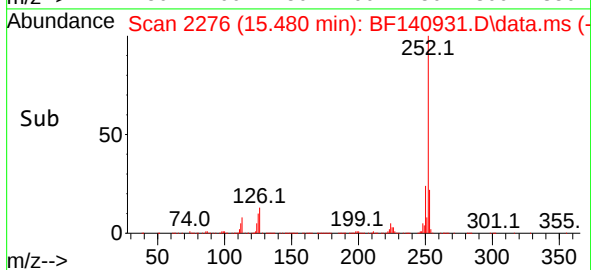
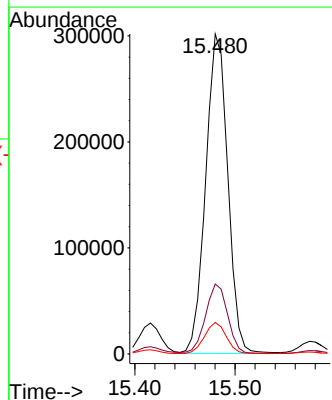
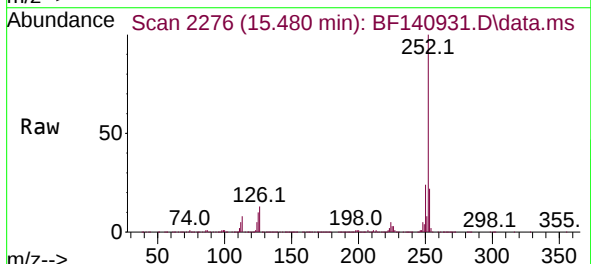
Instrument :
BNA_F
ClientSampleId :
VNJ210MSD

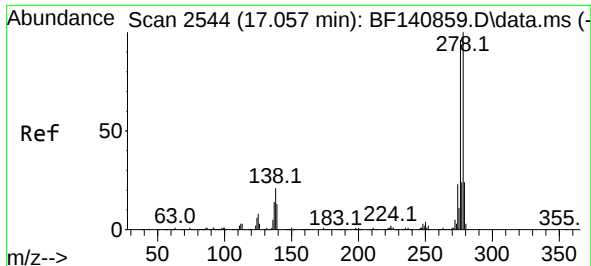
Tgt Ion:252 Resp: 452491
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.5 6.8 10.2



#90
Benzo(a)pyrene
Concen: 64.709 ng
RT: 15.480 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF140931.D
Acq: 19 Dec 2024 17:23

Tgt Ion:252 Resp: 461717
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.8 7.5 11.3

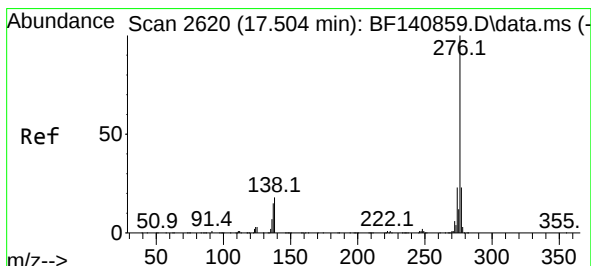
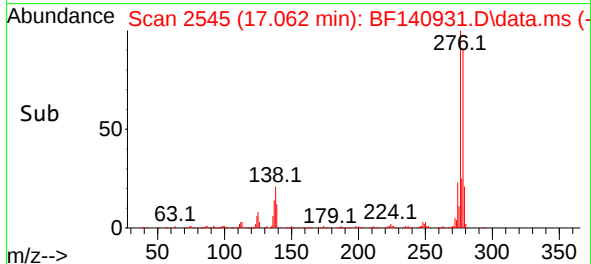
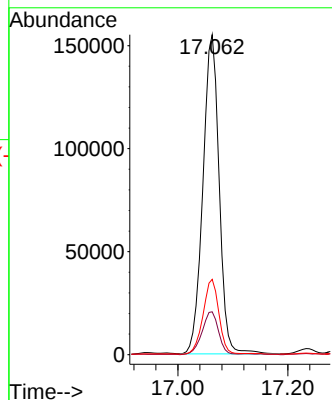
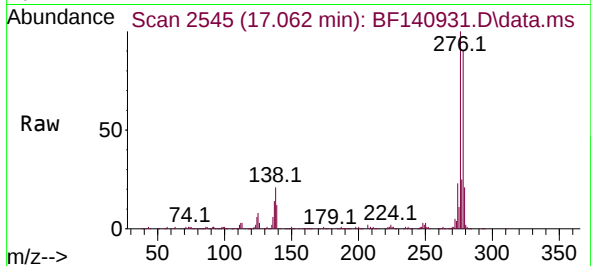




#91
 Dibenzo(a,h)anthracene
 Concen: 46.744 ng
 RT: 17.062 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF140931.D
 Acq: 19 Dec 2024 17:23

Instrument :
 BNA_F
 ClientSampleId :
 VNJ210MSD

Tgt Ion:278 Resp: 317235
 Ion Ratio Lower Upper
 278 100
 139 13.4 10.6 16.0
 279 23.6 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 43.367 ng
 RT: 17.515 min Scan# 2622
 Delta R.T. 0.012 min
 Lab File: BF140931.D
 Acq: 19 Dec 2024 17:23

Tgt Ion:276 Resp: 299543
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.7 28.1
 138 17.5 14.2 21.2

