

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
 Data File : BF141663.D
 Acq On : 18 Feb 2025 16:01
 Operator : RC/JU
 Sample : Q1373-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB27161MSD

Quant Time: Feb 18 16:45:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79851	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	310445	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	163274	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	253273	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	150207	20.000	ng	-0.02
86) Perylene-d12	15.380	264	173912	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	680202	133.546	ng	0.01
7) Phenol-d6	6.434	99	783889	121.767	ng	0.00
23) Nitrobenzene-d5	7.351	82	577038	96.949	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	225123	137.257	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1057081	99.746	ng	-0.01
79) Terphenyl-d14	12.886	244	835945	93.952	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	86350	42.123	ng	# 80
3) Pyridine	3.387	79	165250	33.876	ng	95
4) n-Nitrosodimethylamine	3.328	42	253306	78.421	ng	# 71
6) Aniline	6.451	93	66995	11.094	ng	# 1
8) 2-Chlorophenol	6.575	128	239683	43.550	ng	99
9) Benzaldehyde	6.334	77	56984	16.657	ng	94
10) Phenol	6.445	94	272126	40.614	ng	81
11) bis(2-Chloroethyl)ether	6.522	93	232279	46.154	ng	98
12) 1,3-Dichlorobenzene	6.722	146	237331	40.847	ng	98
13) 1,4-Dichlorobenzene	6.798	146	242194	40.798	ng	99
14) 1,2-Dichlorobenzene	6.951	146	231699	42.053	ng	98
15) Benzyl Alcohol	6.934	79	368233	74.591	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.057	45	348981	40.509	ng	62
17) 2-Methylphenol	7.051	107	190656	44.268	ng	94
18) Hexachloroethane	7.292	117	90424	41.158	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	167553	43.512	ng	98
20) 3+4-Methylphenols	7.210	107	870235	158.993	ng	# 57
22) Acetophenone	7.192	105	393661	50.976	ng	# 96
24) Nitrobenzene	7.369	77	250539	43.167	ng	99
25) Isophorone	7.610	82	449116	47.324	ng	98
26) 2-Nitrophenol	7.681	139	127440	44.134	ng	97
27) 2,4-Dimethylphenol	7.728	122	215268	63.815	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	270261	44.442	ng	99
29) 2,4-Dichlorophenol	7.939	162	205159	45.013	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	210070	42.325	ng	99
31) Naphthalene	8.087	128	684570	42.362	ng	100
32) Benzoic acid	7.887	122	247019	70.499	ng	99
33) 4-Chloroaniline	8.157	127	37379	6.625	ng	98
34) Hexachlorobutadiene	8.198	225	126105	42.322	ng	99
35) Caprolactam	8.545	113	59296	42.729	ng	99
36) 4-Chloro-3-methylphenol	8.634	107	225013	44.568	ng	99
37) 2-Methylnaphthalene	8.775	142	441553	41.990	ng	99
38) 1-Methylnaphthalene	8.875	142	429936	42.214	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	239068	50.610	ng	99
41) Hexachlorocyclopentadiene	8.928	237	227235	144.630	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	141067	46.206	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	151636	45.829	ng	98
46) 1,1'-Biphenyl	9.239	154	635203	50.181	ng	100
47) 2-Chloronaphthalene	9.263	162	428973	45.828	ng	100
48) 2-Nitroaniline	9.369	65	137900	43.898	ng	95
49) Acenaphthylene	9.681	152	662360	47.574	ng	100
50) Dimethylphthalate	9.545	163	504693	45.532	ng	99
51) 2,6-Dinitrotoluene	9.610	165	110822	45.736	ng	96
52) Acenaphthene	9.851	154	417419	44.596	ng	100
53) 3-Nitroaniline	9.781	138	45578	17.476	ng	99
54) 2,4-Dinitrophenol	9.892	184	142515	98.961	ng	93
55) Dibenzofuran	10.022	168	599167	43.611	ng	100
56) 4-Nitrophenol	9.963	139	150200	77.583	ng	95
57) 2,4-Dinitrotoluene	10.016	165	147945	45.864	ng	97
58) Fluorene	10.369	166	470901	44.329	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	125681	44.120	ng	97
60) Diethylphthalate	10.239	149	473954	43.460	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	228108	44.635	ng	99
62) 4-Nitroaniline	10.392	138	96113	36.294	ng	99
63) Azobenzene	10.516	77	450776	41.578	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	83328	47.362	ng	95
66) n-Nitrosodiphenylamine	10.480	169	397588	49.039	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	138026	48.761	ng	97
68) Hexachlorobenzene	10.916	284	144835	49.689	ng	98
69) Atrazine	11.010	200	121045	49.766	ng	98
70) Pentachlorophenol	11.116	266	163658	87.809	ng	100
71) Phenanthrene	11.328	178	647015	46.409	ng	100
72) Anthracene	11.380	178	662113	47.244	ng	100
73) Carbazole	11.539	167	530450	42.065	ng	99
74) Di-n-butylphthalate	11.863	149	633723	43.523	ng	100
75) Fluoranthene	12.516	202	560208	37.901	ng	99
77) Benzidine	12.651	184	15196	4.587	ng	97
78) Pyrene	12.745	202	556039	43.486	ng	99
80) Butylbenzylphthalate	13.357	149	193173	43.616	ng	100
81) Benzo(a)anthracene	13.927	228	452355	45.304	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	83236	29.102	ng	99
83) Chrysene	13.969	228	440342	47.762	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	237009	47.448	ng	99
85) Di-n-octyl phthalate	14.527	149	418151	58.680	ng	100
87) Indeno(1,2,3-cd)pyrene	16.815	276	470038	43.741	ng	100
88) Benzo(b)fluoranthene	14.968	252	502501	43.032	ng	99
89) Benzo(k)fluoranthene	14.992	252	449064	45.035	ng	99
90) Benzo(a)pyrene	15.321	252	461095	48.799	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	384504	44.159	ng	99
92) Benzo(g,h,i)perylene	17.245	276	333758	36.629	ng	100

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

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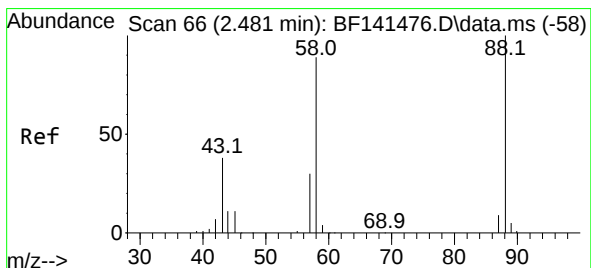
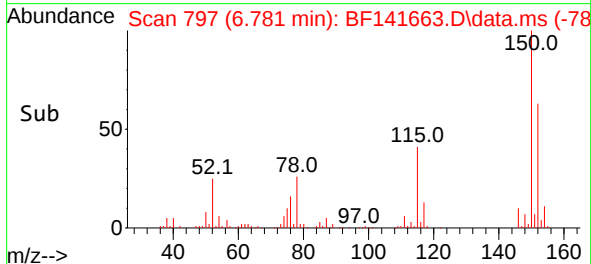
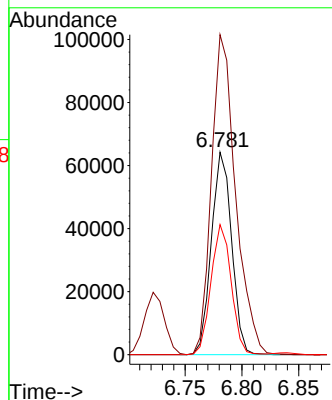
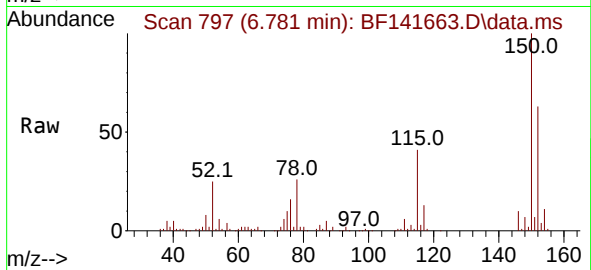




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141663.D
 Acq: 18 Feb 2025 16:01

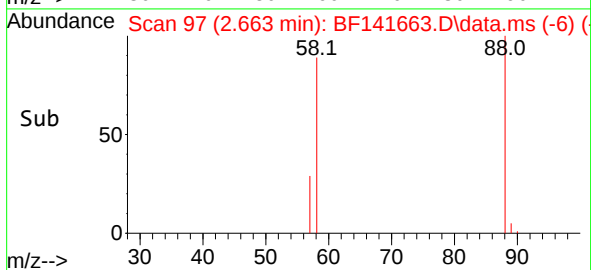
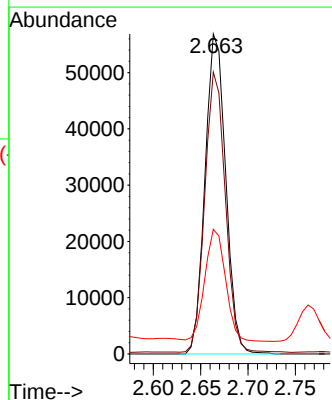
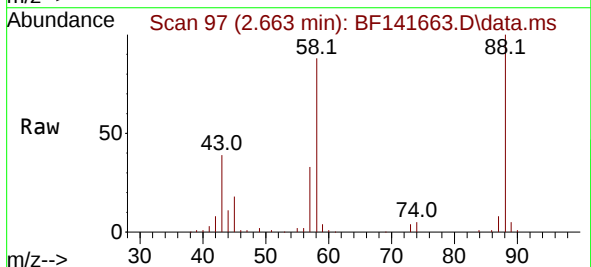
Instrument :
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 VB27161MSD

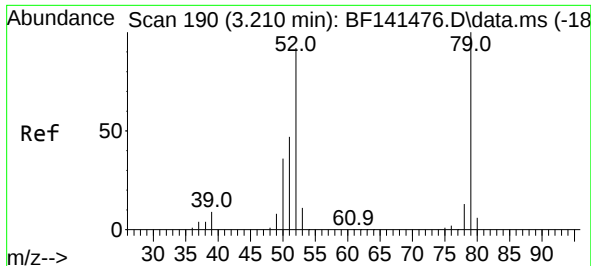
Tgt Ion:152 Resp: 79851
 Ion Ratio Lower Upper
 152 100
 150 158.1 125.0 187.4
 115 64.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 42.123 ng
 RT: 2.663 min Scan# 97
 Delta R.T. 0.182 min
 Lab File: BF141663.D
 Acq: 18 Feb 2025 16:01

Tgt Ion: 88 Resp: 86350
 Ion Ratio Lower Upper
 88 100
 58 87.0 71.1 106.7
 43 0.0 30.6 46.0#





#3

Pyridine

Concen: 33.876 ng

RT: 3.387 min Scan# 210

Delta R.T. 0.171 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

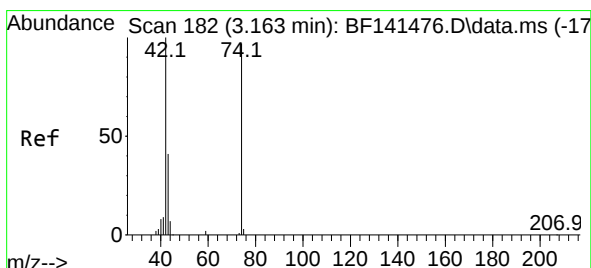
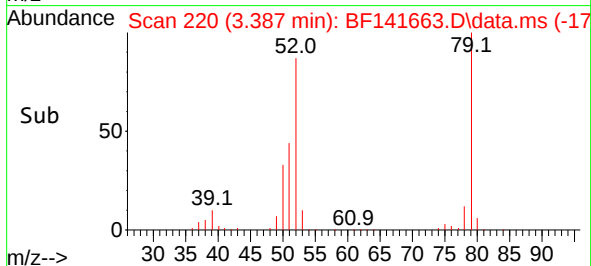
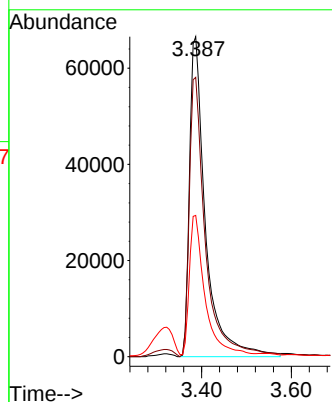
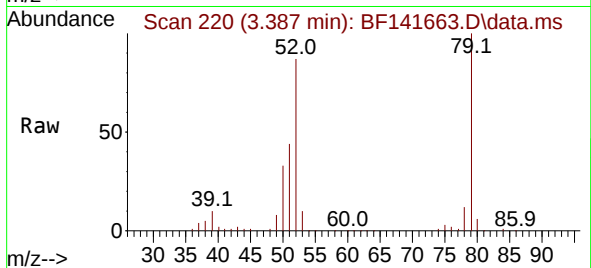
Tgt Ion: 79 Resp: 165250

Ion Ratio Lower Upper

79 100

52 87.3 73.7 110.5

51 44.1 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 78.421 ng

RT: 3.328 min Scan# 210

Delta R.T. 0.141 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

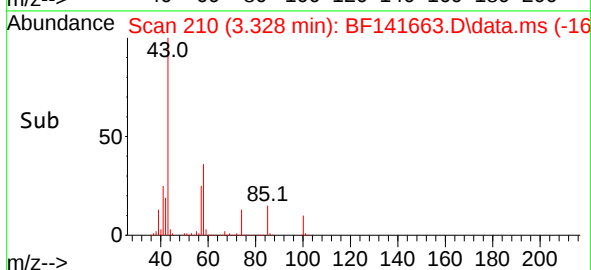
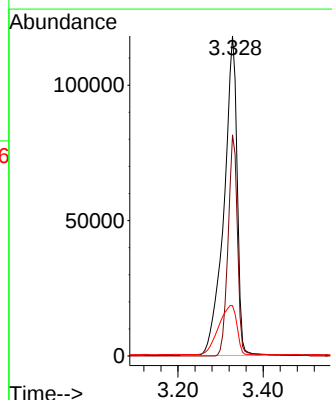
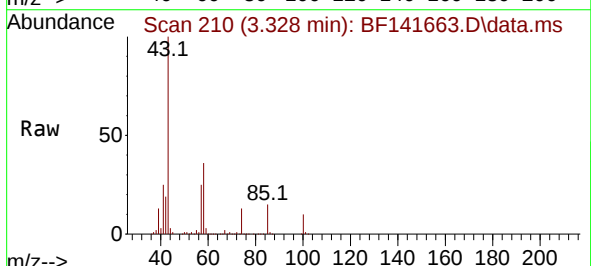
Tgt Ion: 42 Resp: 253306

Ion Ratio Lower Upper

42 100

74 69.1 78.0 117.0#

44 15.7 5.4 8.2#

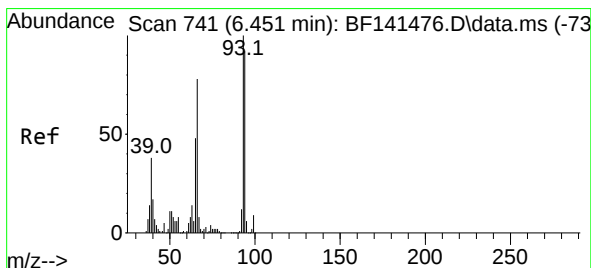
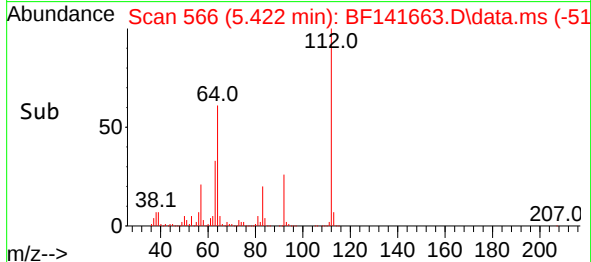
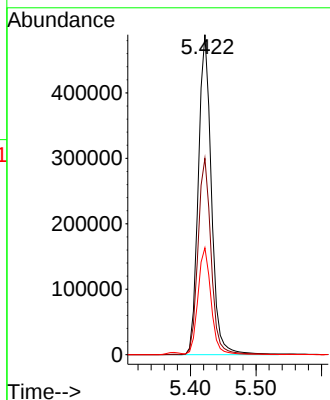
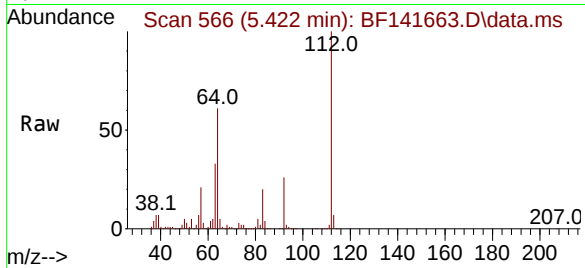




#5
2-Fluorophenol
Concen: 133.546 ng
RT: 5.422 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

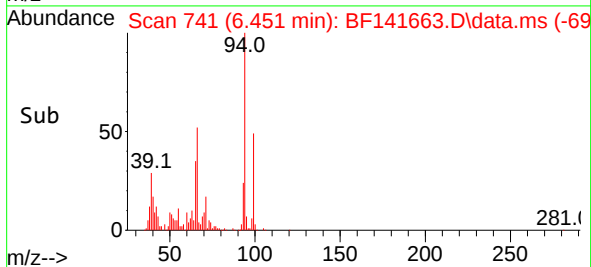
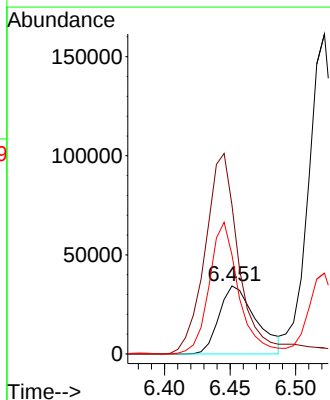
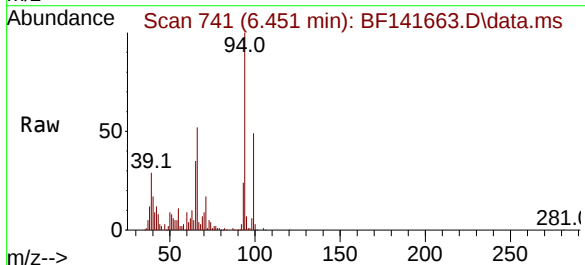
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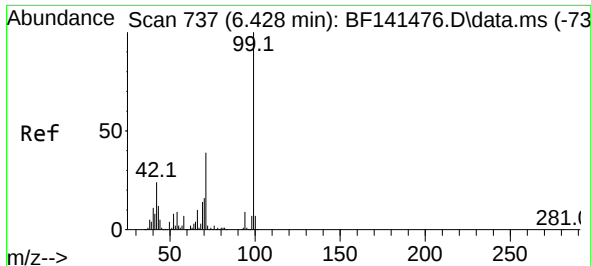
Tgt Ion:112 Resp: 680202
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 33.4 28.4 42.6



#6
Aniline
Concen: 11.094 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion: 93 Resp: 66995
Ion Ratio Lower Upper
93 100
66 218.9 62.6 94.0#
65 145.6 38.3 57.5#

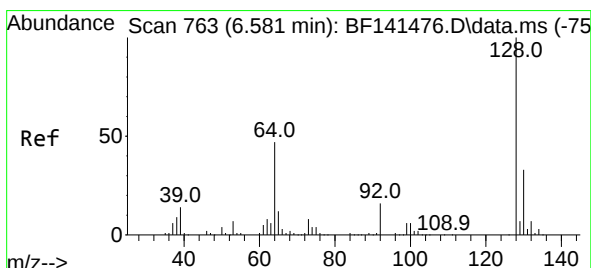
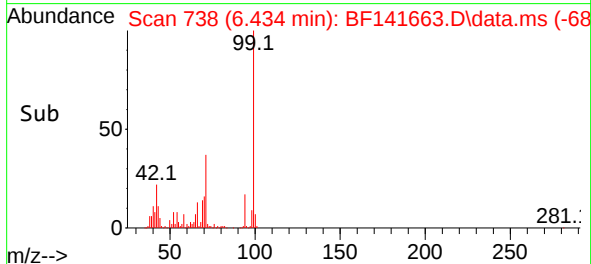
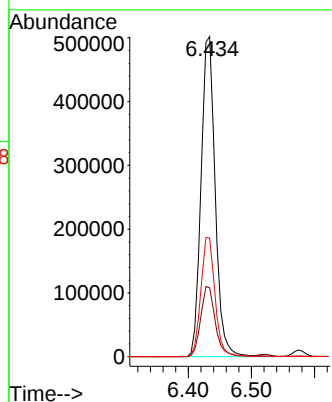
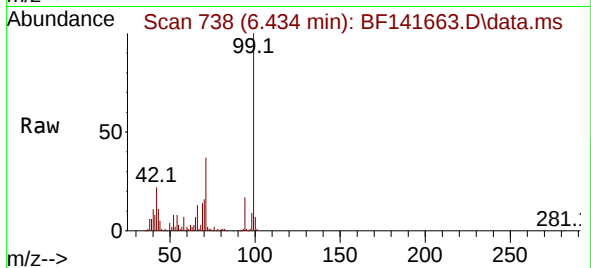




#7
Phenol-d6
Concen: 121.767 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

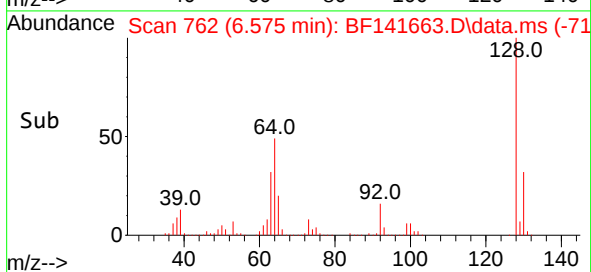
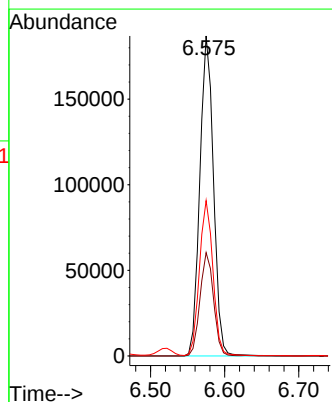
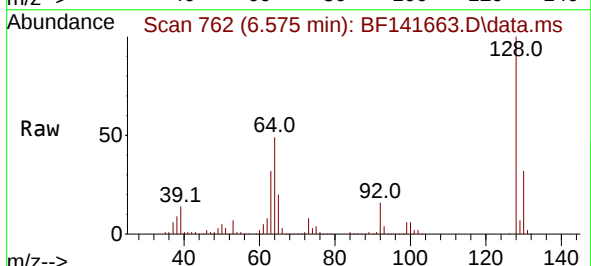
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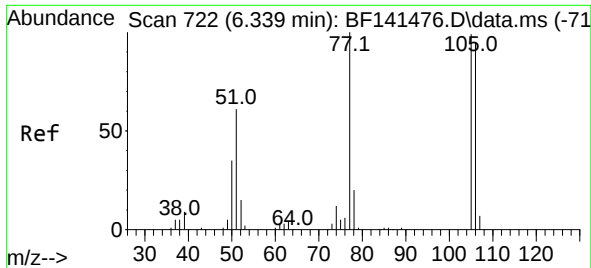
Tgt Ion: 99 Resp: 783889
Ion Ratio Lower Upper
99 100
42 21.6 19.1 28.7
71 37.1 31.1 46.7



#8
2-Chlorophenol
Concen: 43.550 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141663.D
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Tgt Ion: 128 Resp: 239683
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 48.6 28.3 68.3

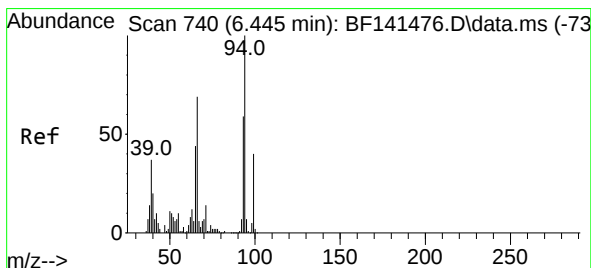
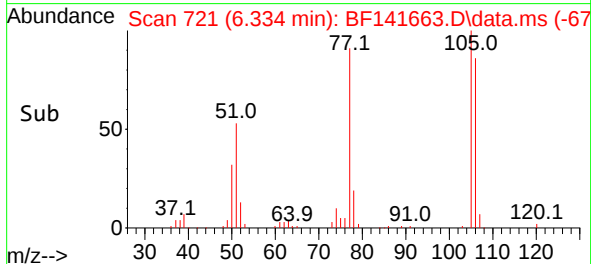
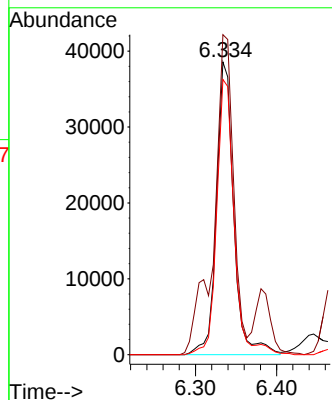
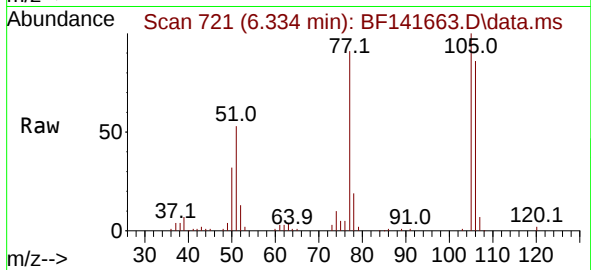




#9
Benzaldehyde
Concen: 16.657 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

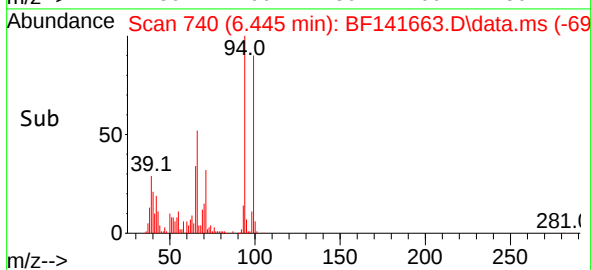
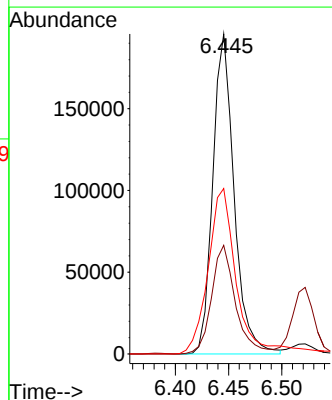
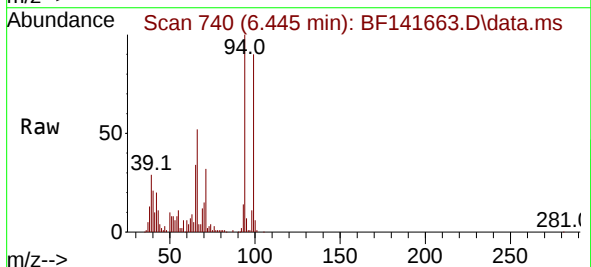
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 77 Resp: 56984
Ion Ratio Lower Upper
77 100
105 109.4 79.4 119.4
106 94.0 75.1 115.1



#10
Phenol
Concen: 40.614 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion: 94 Resp: 272126
Ion Ratio Lower Upper
94 100
65 33.9 23.7 63.7
66 51.7 49.3 89.3

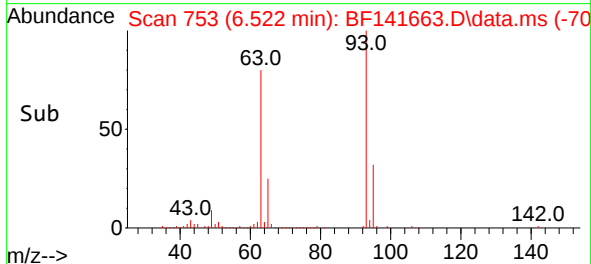
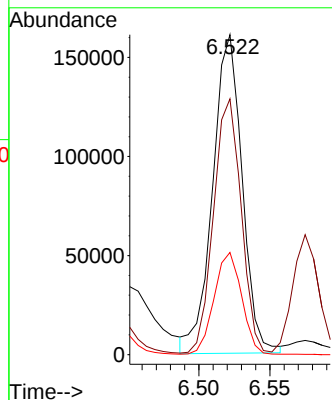
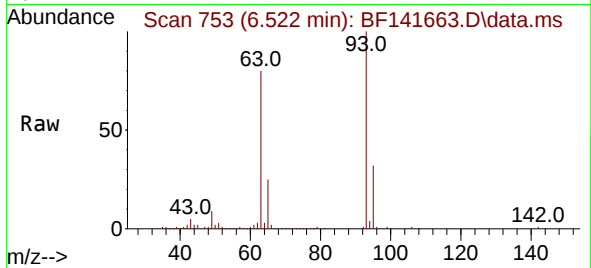




#11
bis(2-Chloroethyl)ether
Concen: 46.154 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

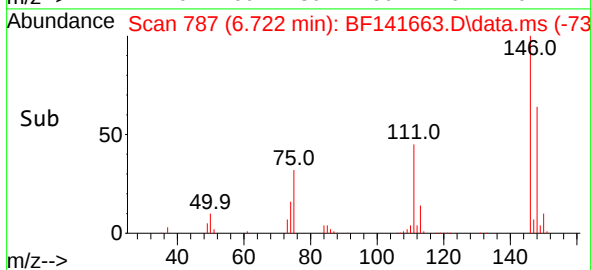
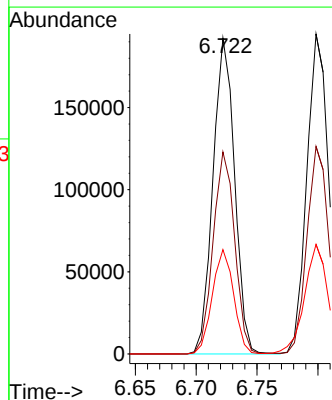
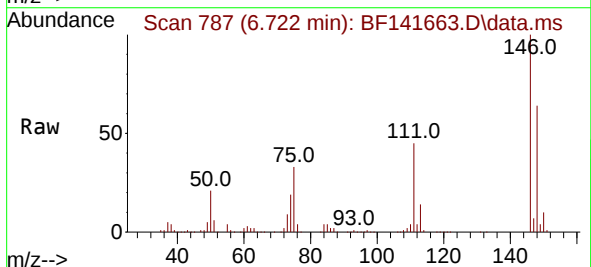
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

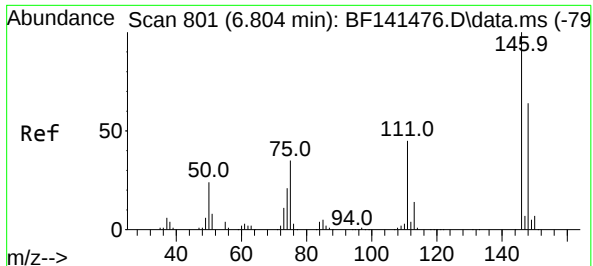
Tgt Ion: 93 Resp: 232279
Ion Ratio Lower Upper
93 100
63 80.0 62.0 102.0
95 32.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.847 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:146 Resp: 237331
Ion Ratio Lower Upper
146 100
148 63.9 51.9 77.9
75 33.0 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 40.798 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

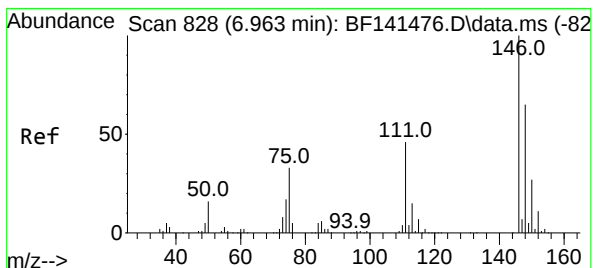
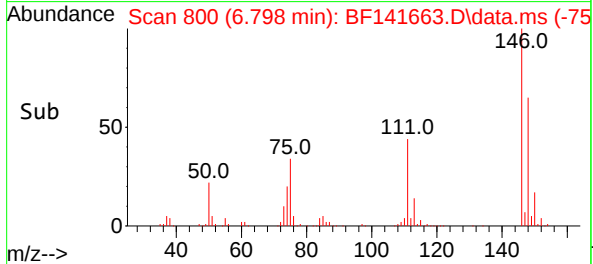
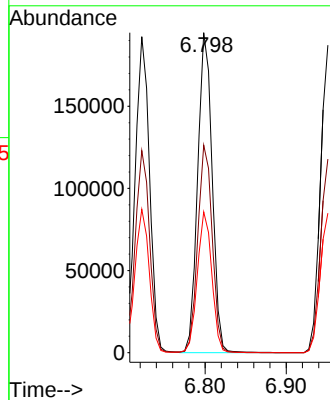
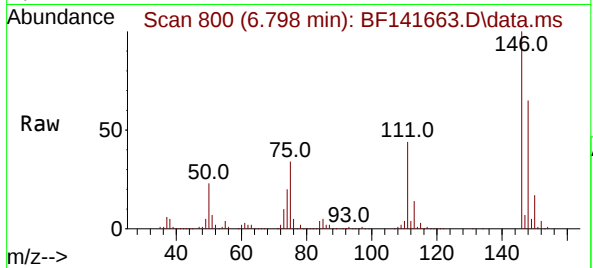
Tgt Ion:146 Resp: 242194

Ion Ratio Lower Upper

146 100

148 64.8 50.9 76.3

111 44.0 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 42.053 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

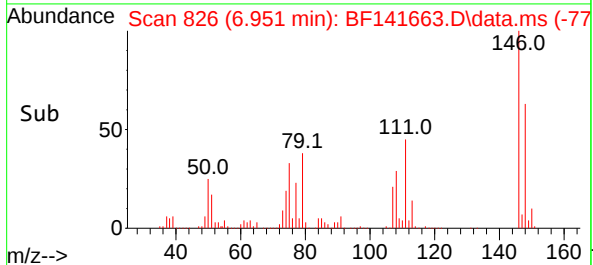
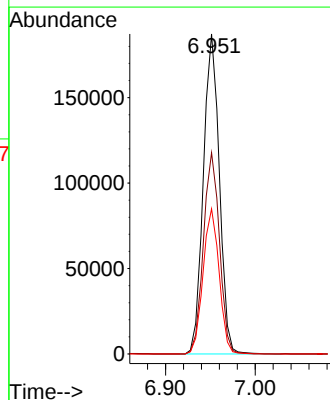
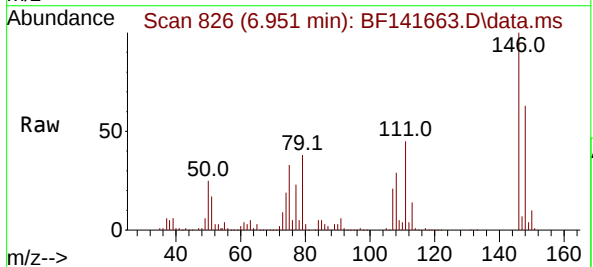
Tgt Ion:146 Resp: 231699

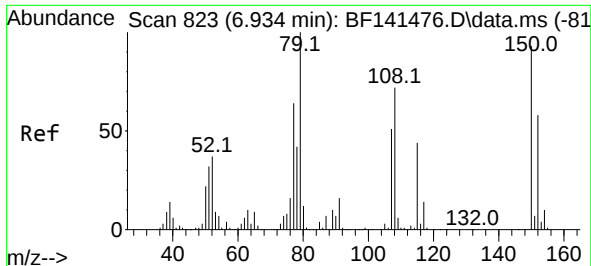
Ion Ratio Lower Upper

146 100

148 62.9 51.8 77.6

111 45.3 37.0 55.4

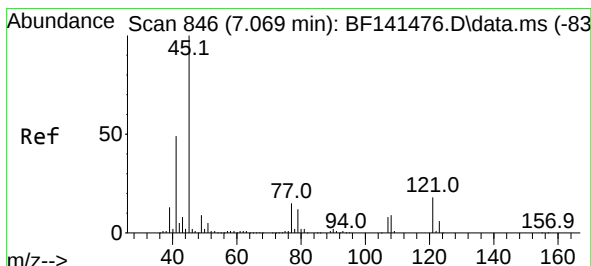
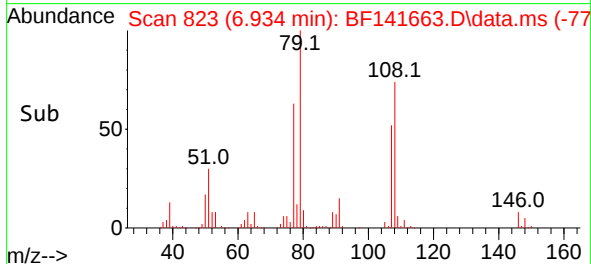
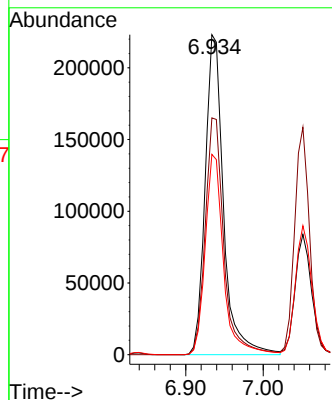
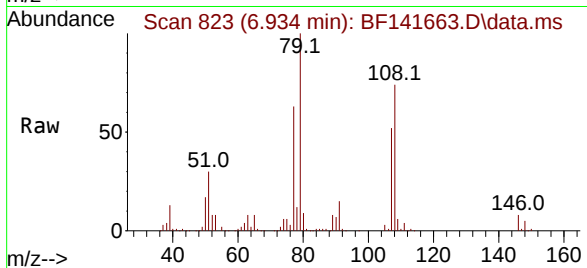




#15
Benzyl Alcohol
Concen: 74.591 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

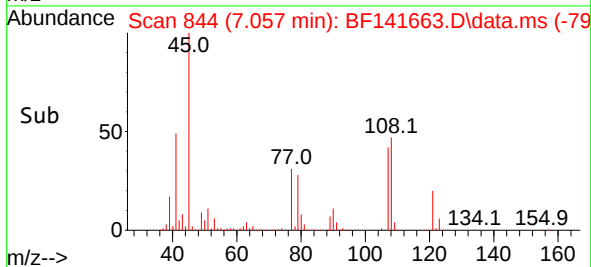
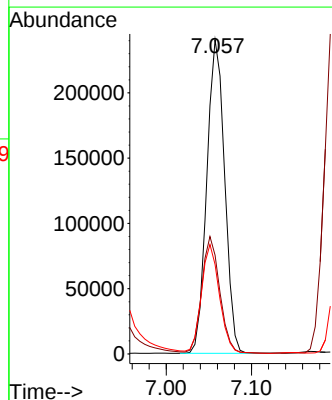
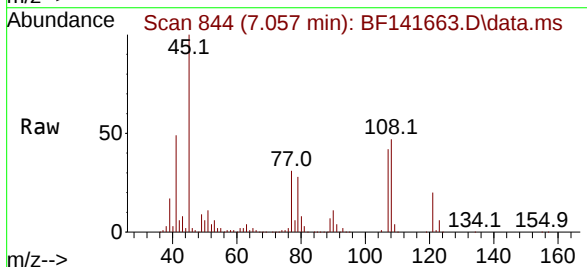
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

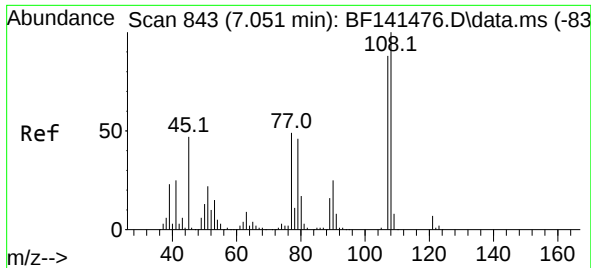
Tgt Ion: 79 Resp: 368233
Ion Ratio Lower Upper
79 100
108 74.0 57.4 86.2
77 62.6 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.509 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion: 45 Resp: 348981
Ion Ratio Lower Upper
45 100
77 31.4 0.0 35.8
79 28.5 0.0 32.7

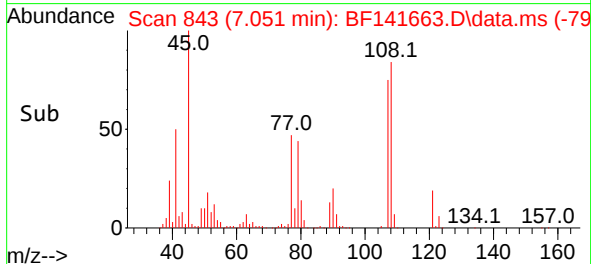
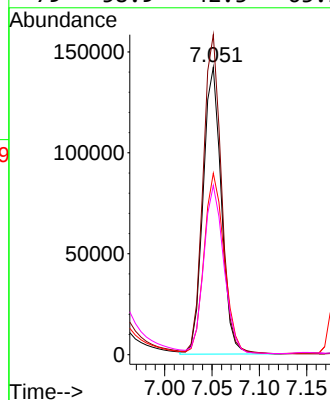
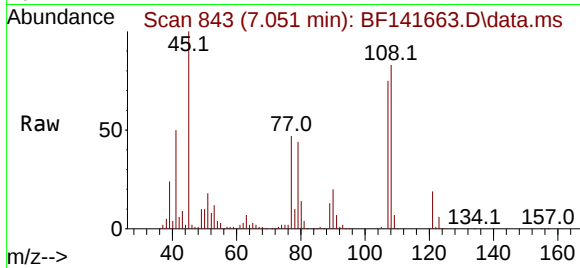




#17
2-Methylphenol
Concen: 44.268 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

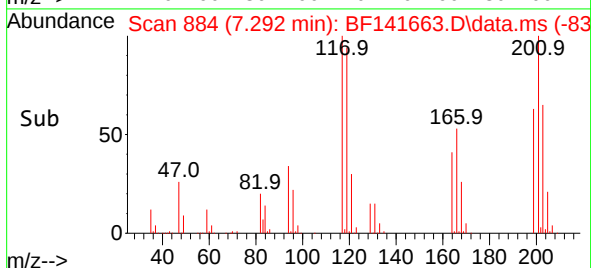
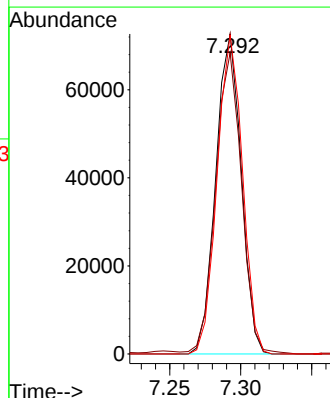
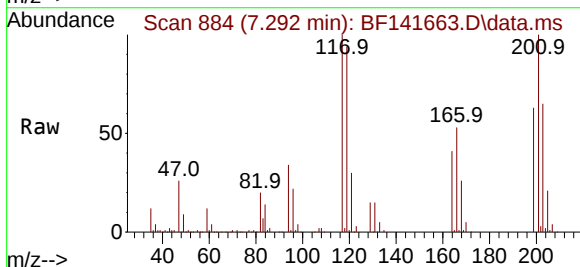
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:	107	Resp:	190656
Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	136.0
77	63.1	44.4	66.6
79	58.9	42.3	63.5



#18
Hexachloroethane
Concen: 41.158 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:	117	Resp:	90424
Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.5	114.7
201	99.7	76.7	115.1

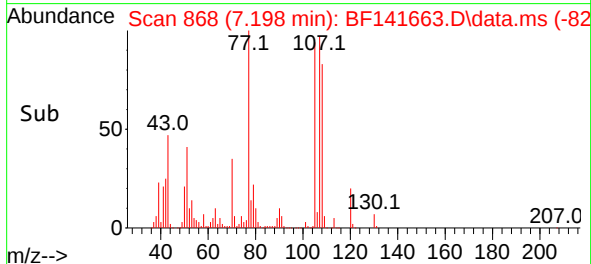
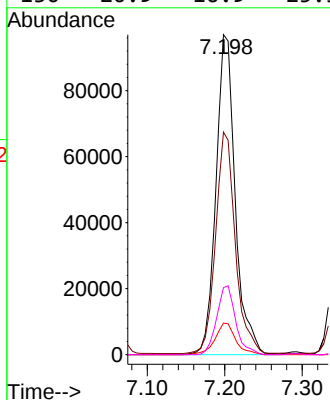
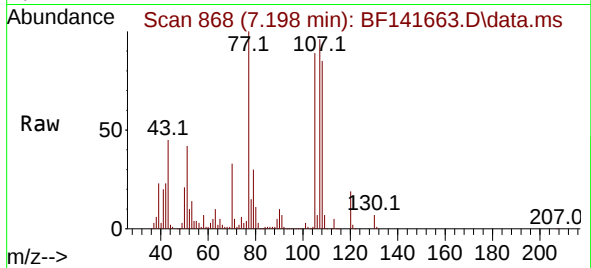




#19
n-Nitroso-di-n-propylamine
Concen: 43.512 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

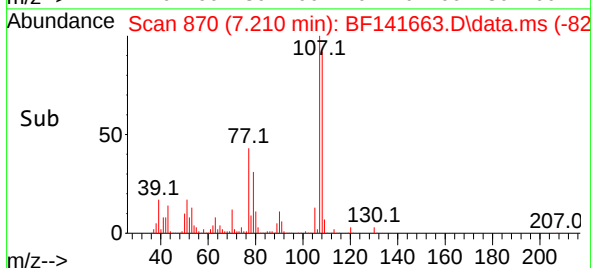
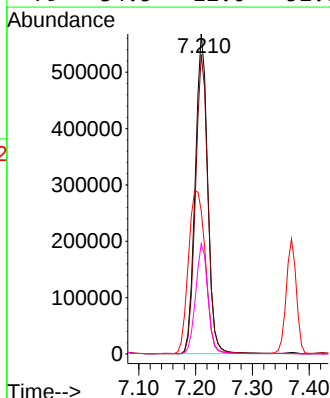
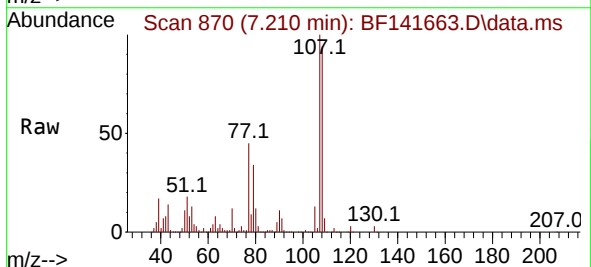
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion: 70 Resp: 167553
Ion Ratio Lower Upper
70 100
42 69.6 57.4 86.2
101 9.8 8.0 12.0
130 20.9 16.9 25.3



#20
3+4-Methylphenols
Concen: 158.993 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion: 107 Resp: 870235
Ion Ratio Lower Upper
107 100
108 93.6 68.5 108.5
77 44.7 116.5 156.5#
79 34.5 12.0 52.0

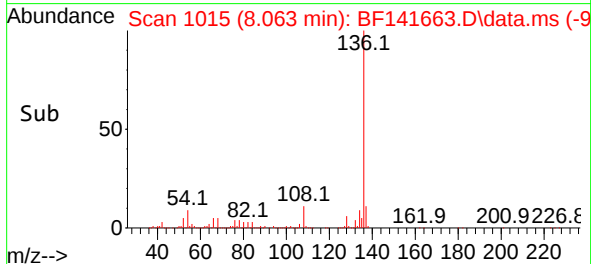
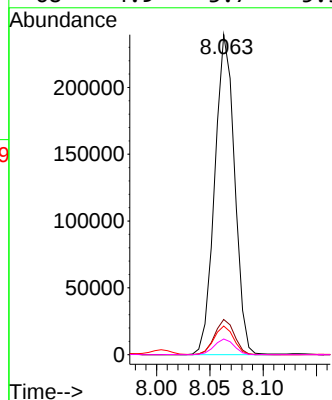
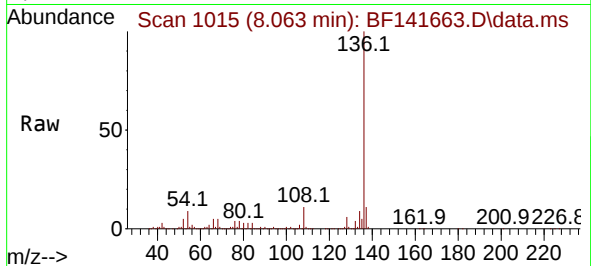




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

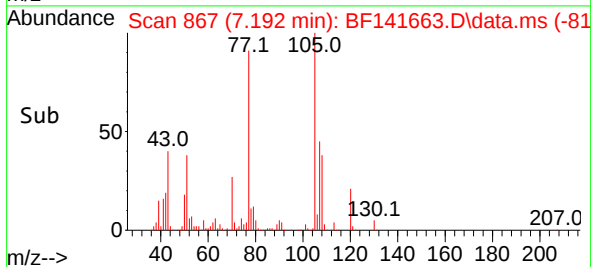
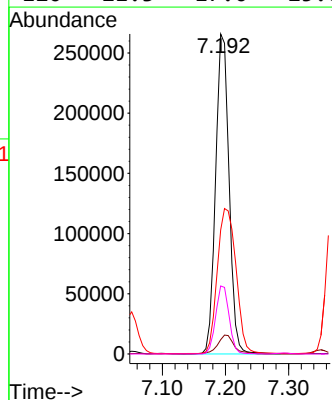
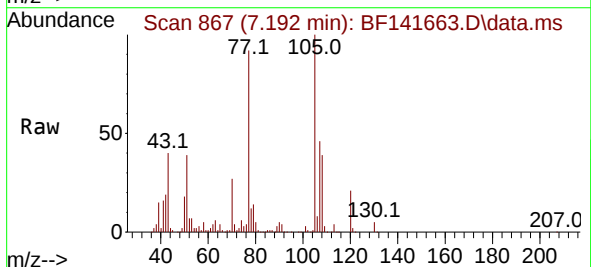
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:136 Resp: 310445
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.2 10.8
68 4.9 3.7 5.5



#22
Acetophenone
Concen: 50.976 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:105 Resp: 393661
Ion Ratio Lower Upper
105 100
71 4.4 5.7 8.5#
51 38.7 33.7 50.5
120 21.3 17.0 25.6





#23

Nitrobenzene-d5

Concen: 96.949 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

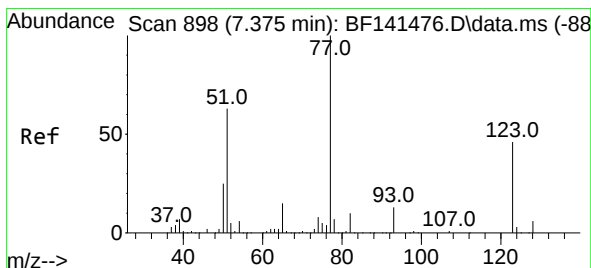
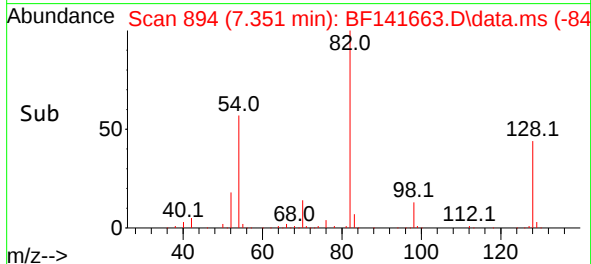
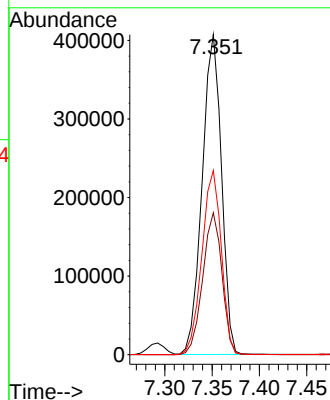
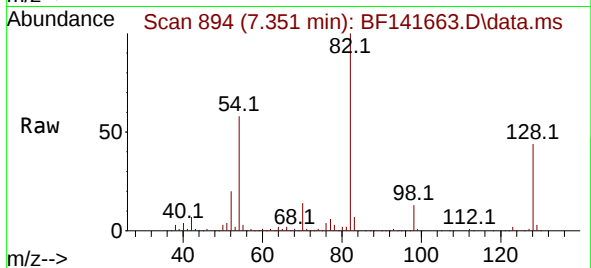
Tgt Ion: 82 Resp: 577038

Ion Ratio Lower Upper

82 100

128 44.4 34.8 52.2

54 57.6 48.2 72.4



#24

Nitrobenzene

Concen: 43.167 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

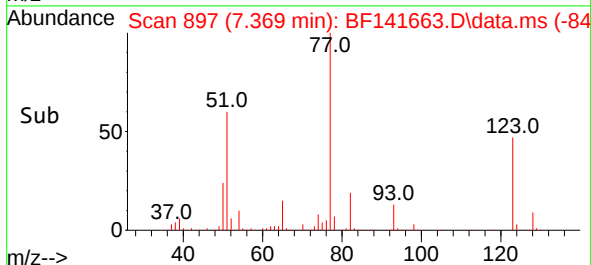
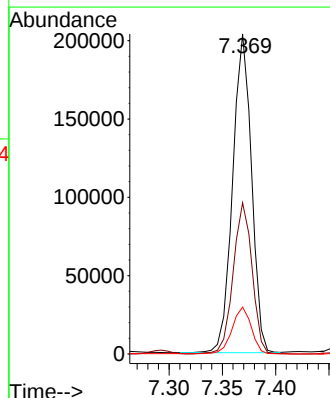
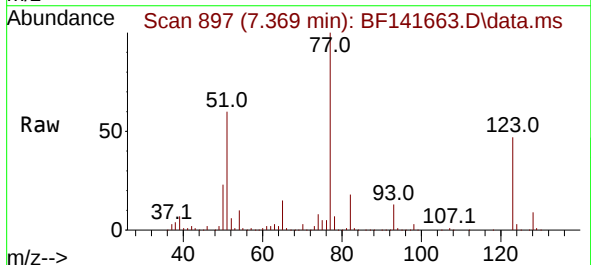
Tgt Ion: 77 Resp: 250539

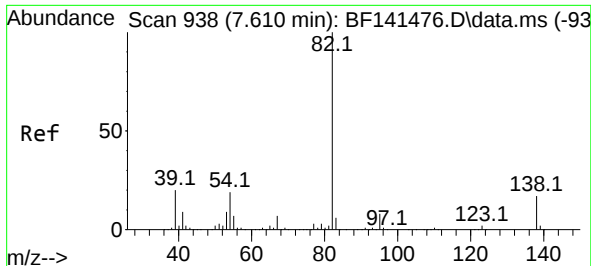
Ion Ratio Lower Upper

77 100

123 47.2 36.9 55.3

65 14.7 11.9 17.9

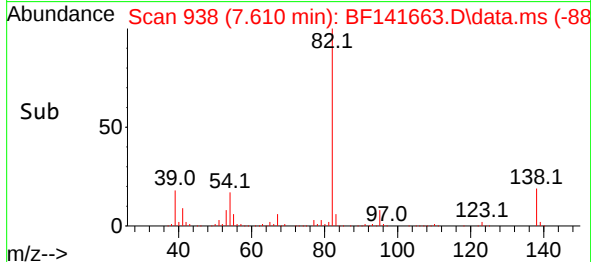
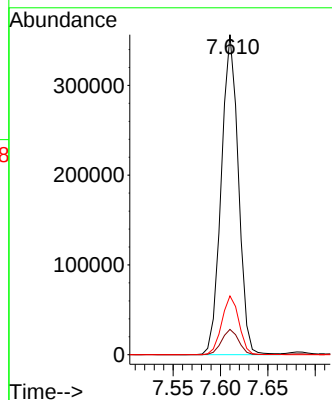
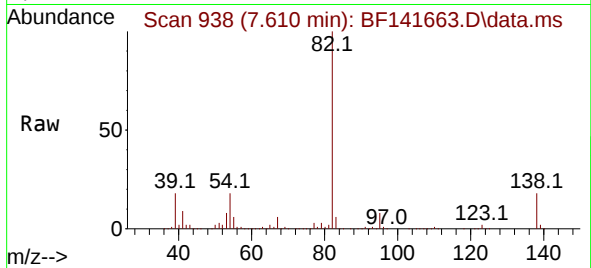




#25
Isophorone
Concen: 47.324 ng
RT: 7.610 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

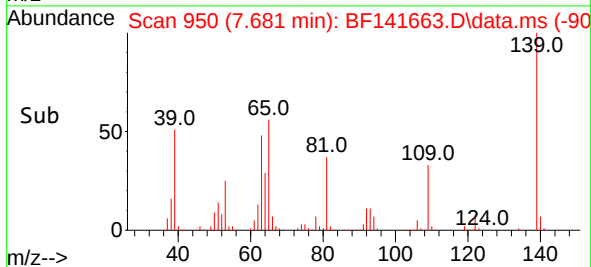
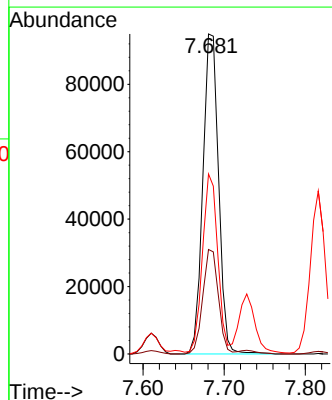
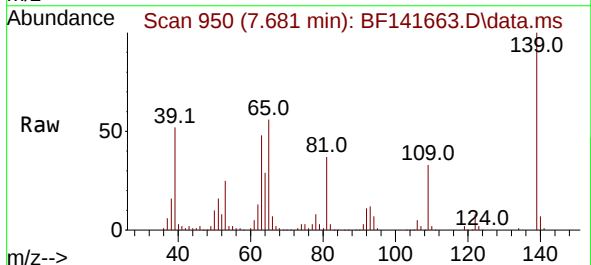
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion: 82 Resp: 449116
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.3 13.9 20.9



#26
2-Nitrophenol
Concen: 44.134 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:139 Resp: 127440
Ion Ratio Lower Upper
139 100
109 32.6 27.0 40.6
65 56.3 47.1 70.7

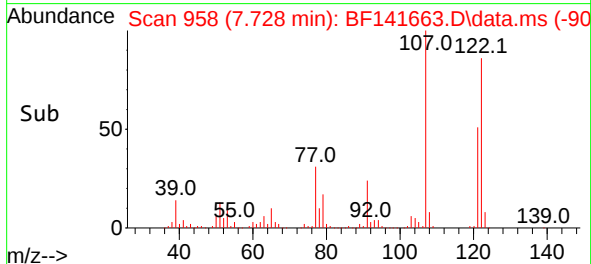
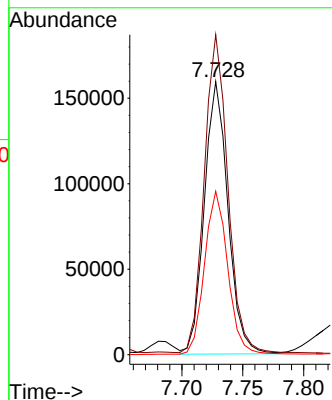
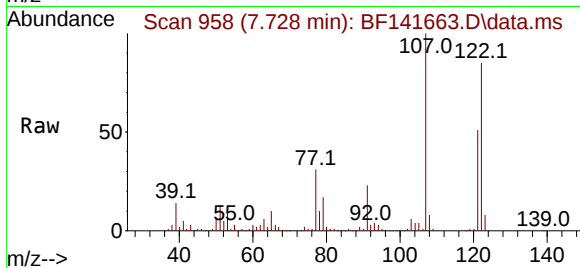




#27
2,4-Dimethylphenol
Concen: 63.815 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

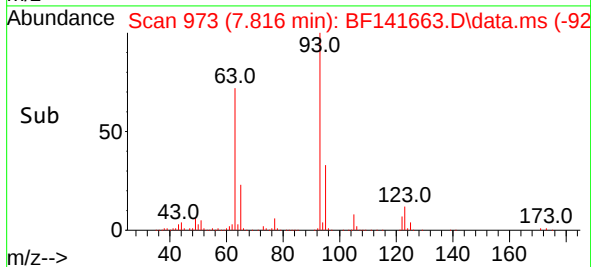
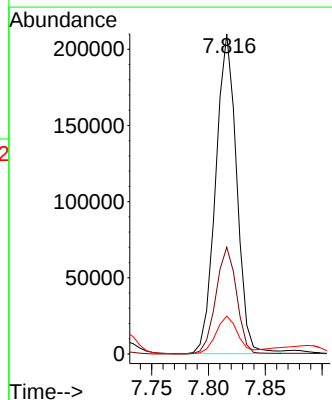
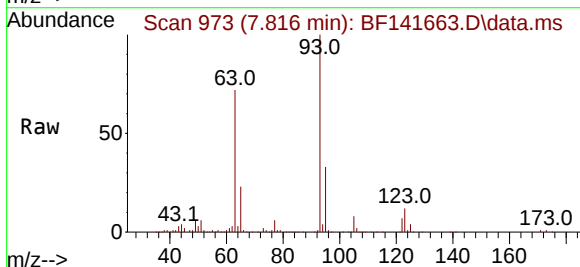
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

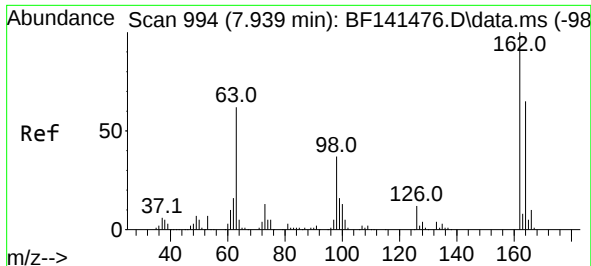
Tgt Ion:122 Resp: 215268
Ion Ratio Lower Upper
122 100
107 117.2 94.3 141.5
121 59.9 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 44.442 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion: 93 Resp: 270261
Ion Ratio Lower Upper
93 100
95 33.3 26.1 39.1
123 11.9 9.5 14.3

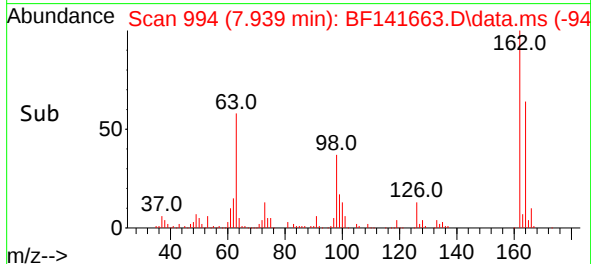
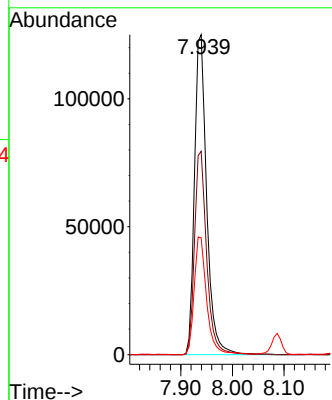
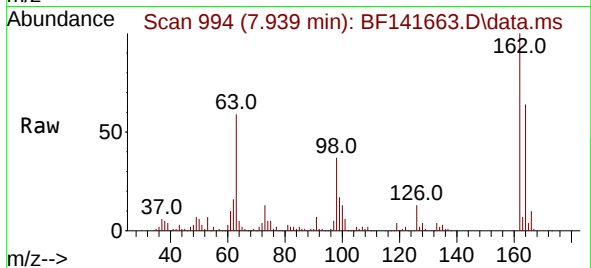




#29
2,4-Dichlorophenol
Concen: 45.013 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

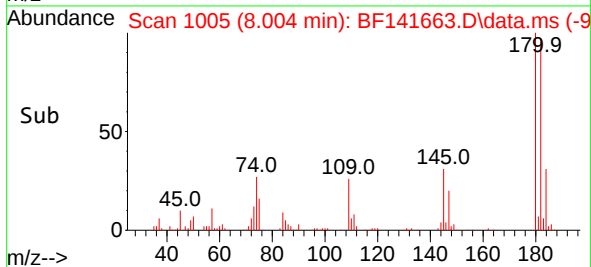
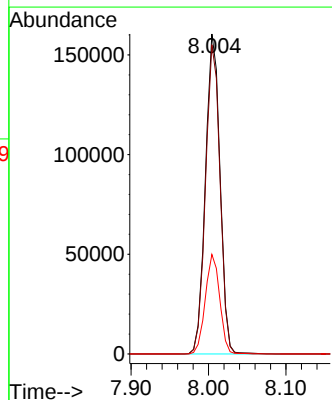
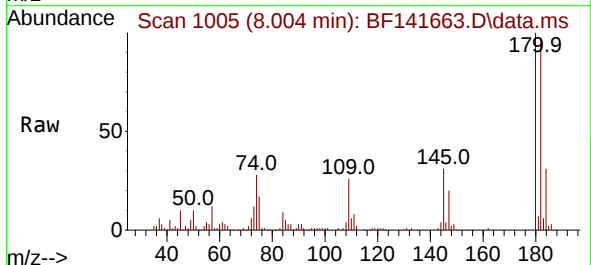
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:162 Resp: 205159
Ion Ratio Lower Upper
162 100
164 63.6 44.6 84.6
98 36.5 17.2 57.2



#30
1,2,4-Trichlorobenzene
Concen: 42.325 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:180 Resp: 210070
Ion Ratio Lower Upper
180 100
182 96.7 76.8 115.2
145 31.1 24.2 36.4

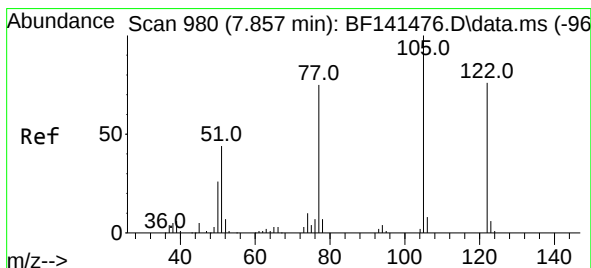
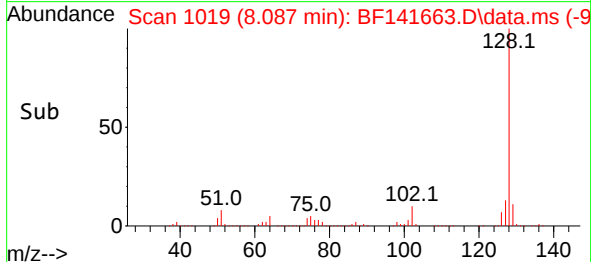
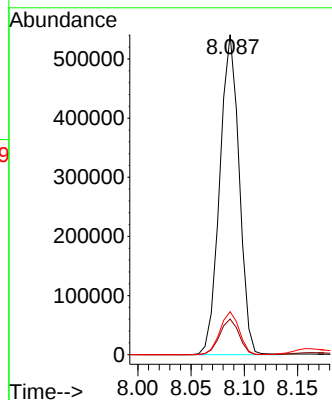
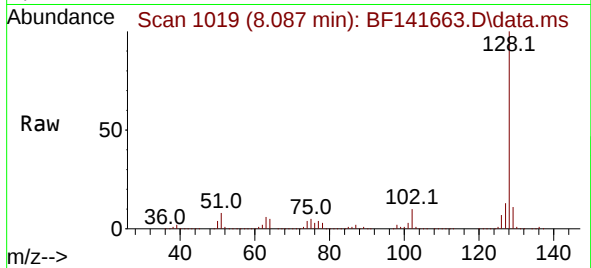




#31
Naphthalene
Concen: 42.362 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

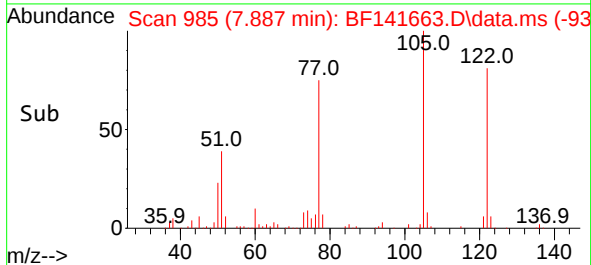
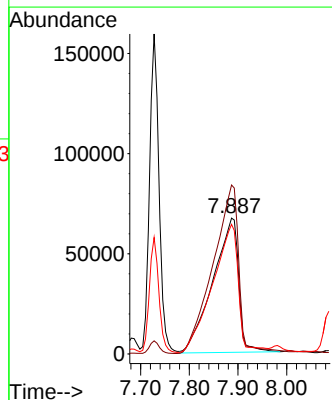
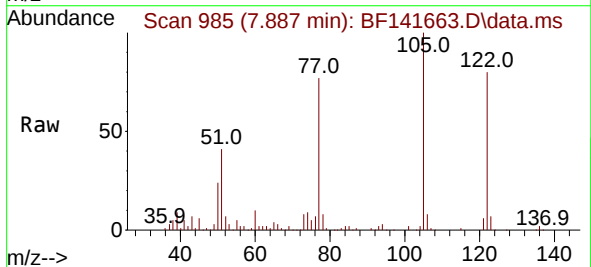
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

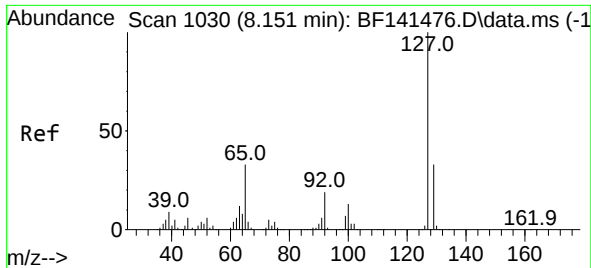
Tgt Ion:128 Resp: 684570
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.5 10.7 16.1



#32
Benzoic acid
Concen: 70.499 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:122 Resp: 247019
Ion Ratio Lower Upper
122 100
105 124.4 106.5 146.5
77 95.4 76.3 116.3

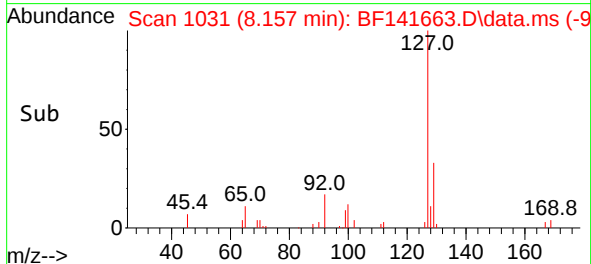
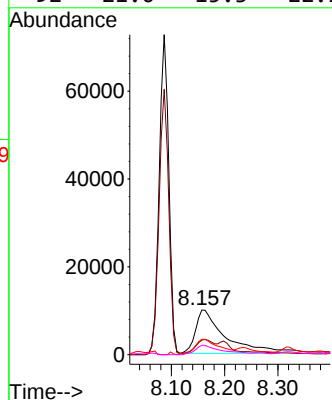
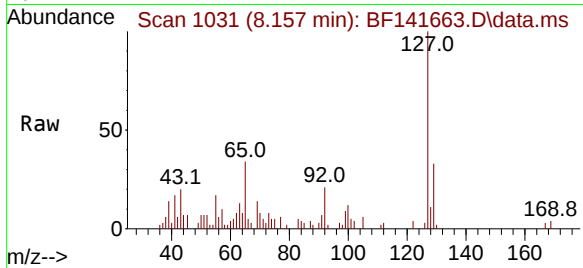




#33
4-Chloroaniline
Concen: 6.625 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

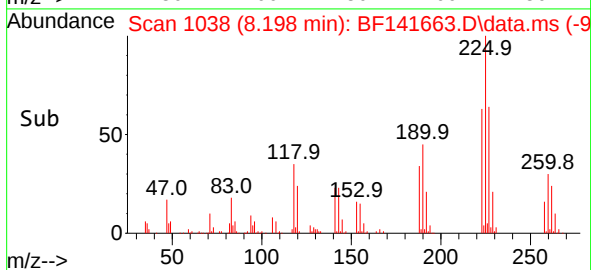
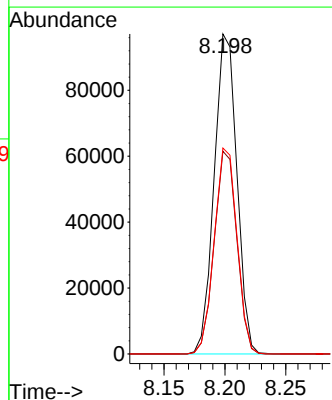
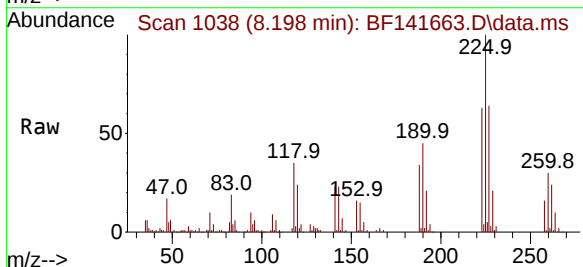
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

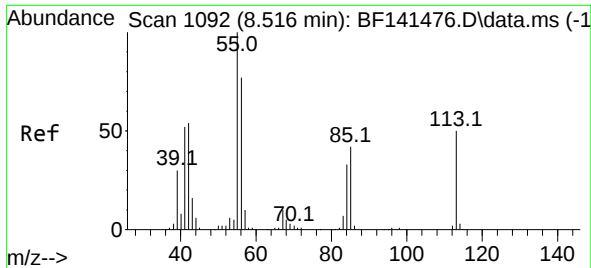
Tgt Ion:	127	Resp:	37379
Ion Ratio	Lower	Upper	
127	100		
129	32.8	26.5	39.7
65	34.5	26.4	39.6
92	21.0	15.3	22.9



#34
Hexachlorobutadiene
Concen: 42.322 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:	225	Resp:	126105
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.1	75.1
227	64.4	51.0	76.6

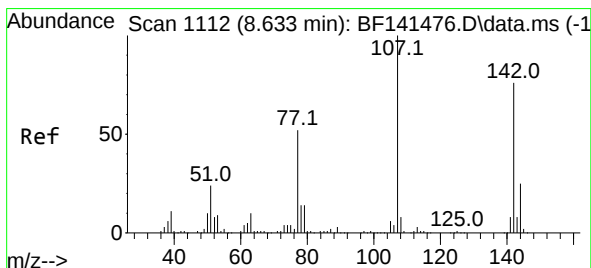
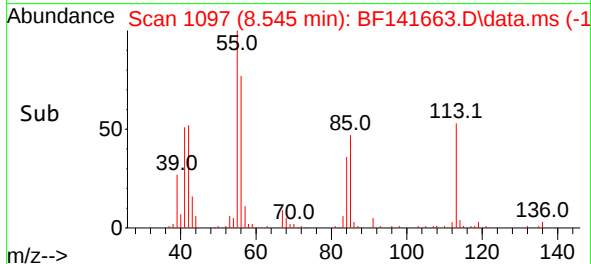
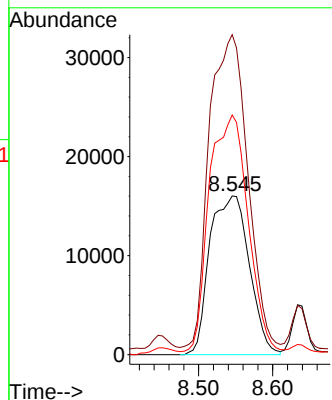
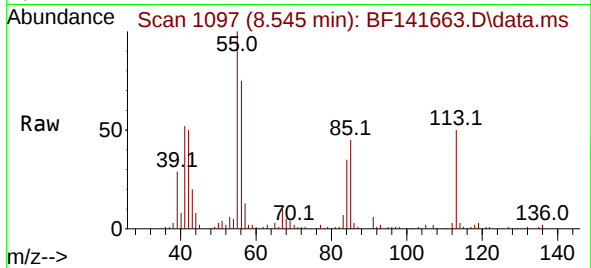




#35
Caprolactam
Concen: 42.729 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

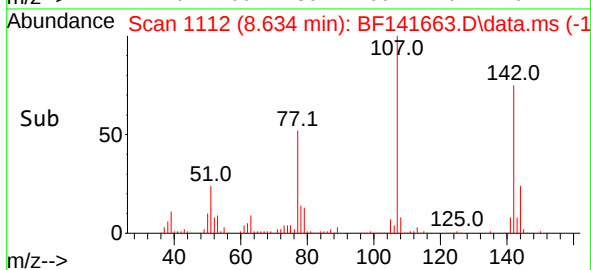
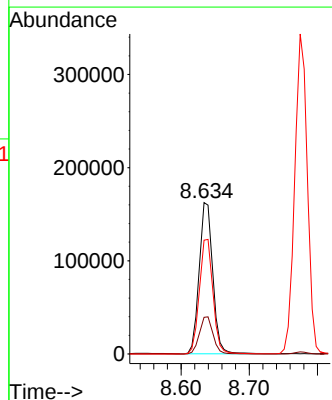
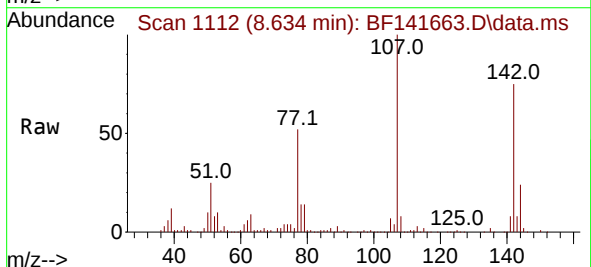
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

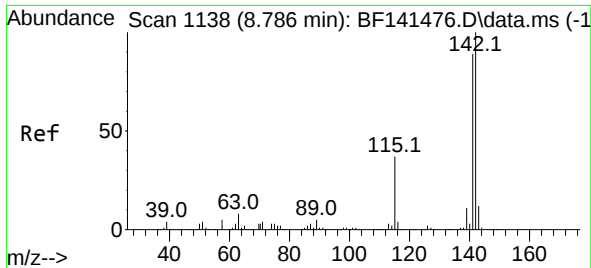
Tgt Ion:113 Resp: 59296
Ion Ratio Lower Upper
113 100
55 201.5 180.8 220.8
56 150.9 133.6 173.6



#36
4-Chloro-3-methylphenol
Concen: 44.568 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:107 Resp: 225013
Ion Ratio Lower Upper
107 100
144 24.2 19.7 29.5
142 75.1 60.8 91.2

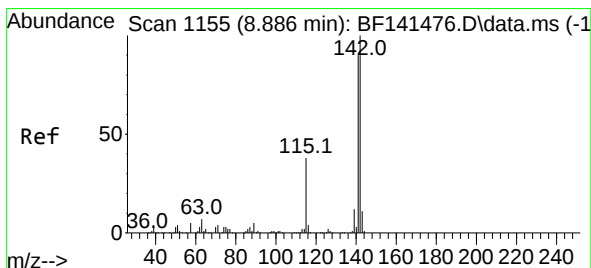
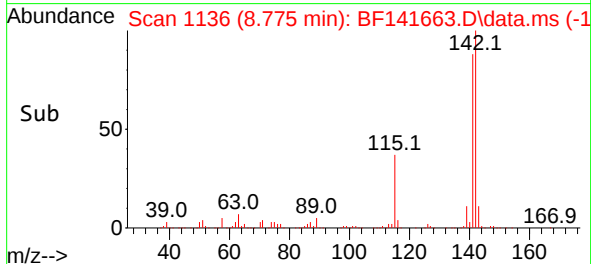
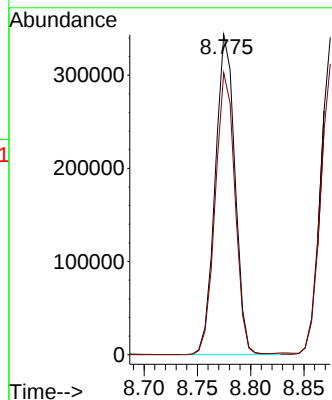
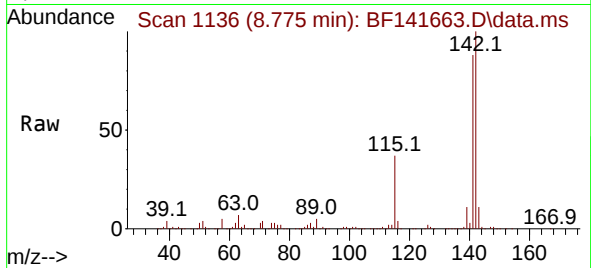




#37
2-Methylnaphthalene
Concen: 41.990 ng
RT: 8.775 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

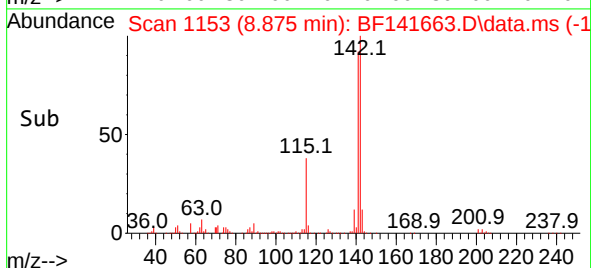
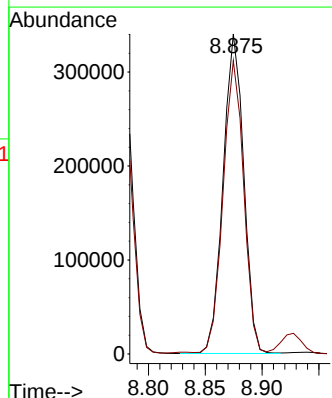
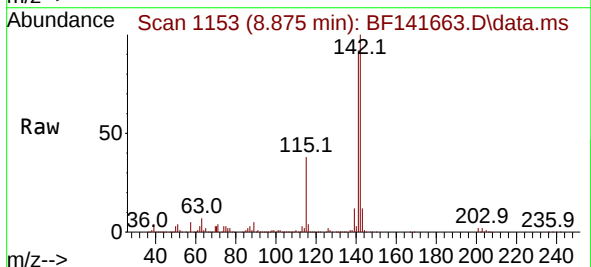
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:142 Resp: 441553
Ion Ratio Lower Upper
142 100
141 88.1 71.2 106.8



#38
1-Methylnaphthalene
Concen: 42.214 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:142 Resp: 429936
Ion Ratio Lower Upper
142 100
141 91.6 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1165

Delta R.T. -0.017 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

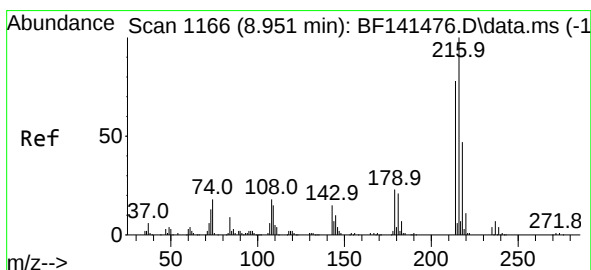
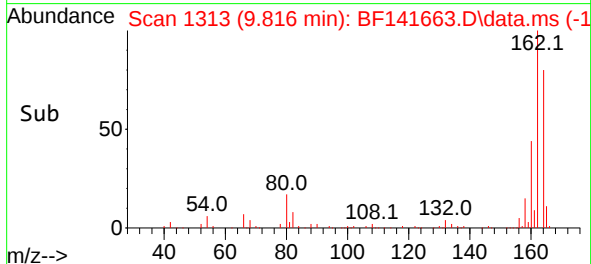
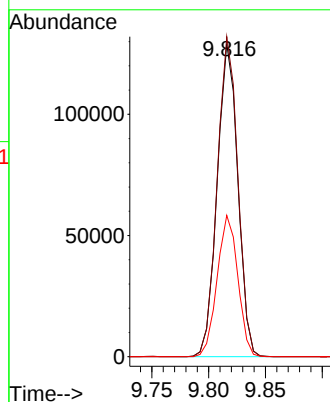
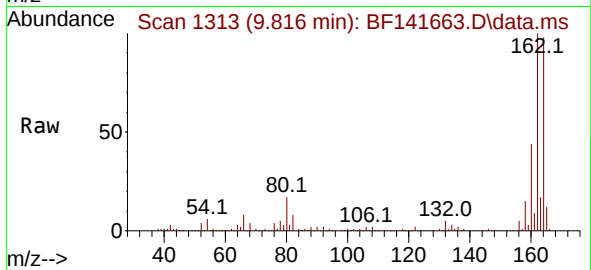
Tgt Ion:164 Resp: 163274

Ion Ratio Lower Upper

164 100

162 102.3 81.3 121.9

160 45.2 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.610 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Tgt Ion:216 Resp: 239068

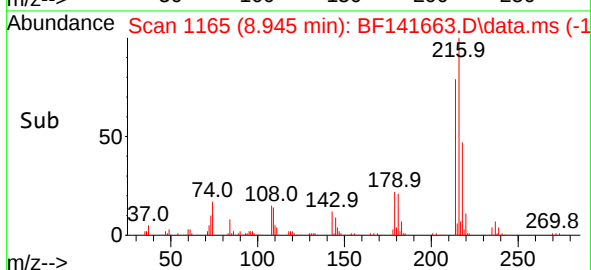
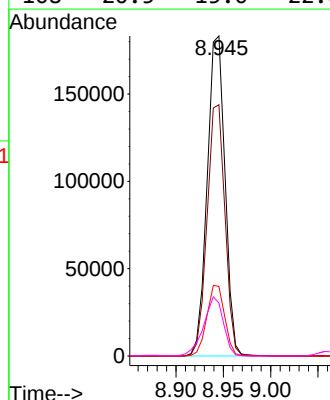
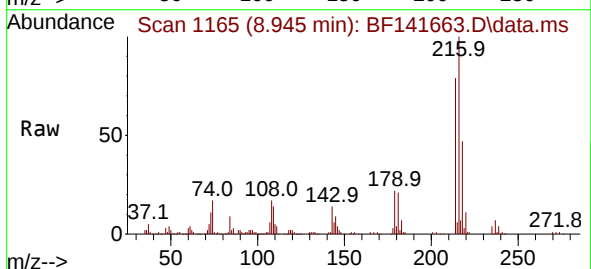
Ion Ratio Lower Upper

216 100

214 78.7 62.3 93.5

179 22.1 18.0 27.0

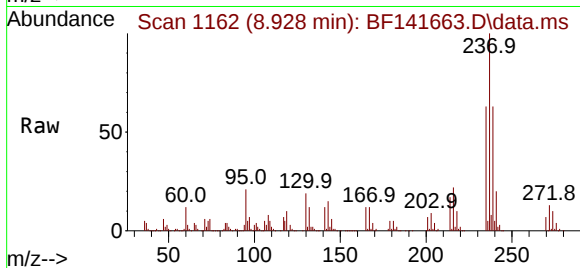
108 20.5 15.0 22.6



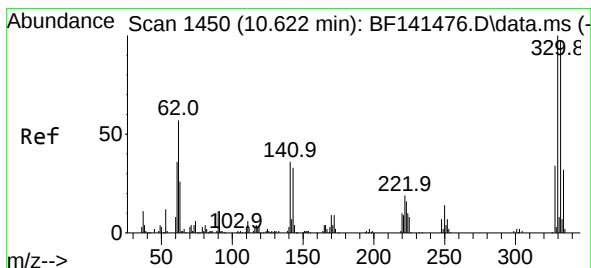
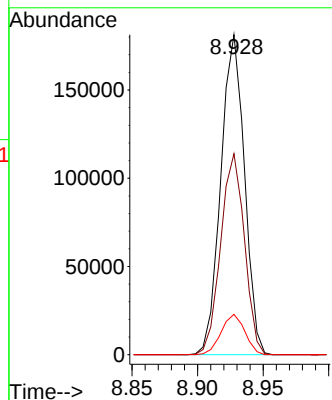
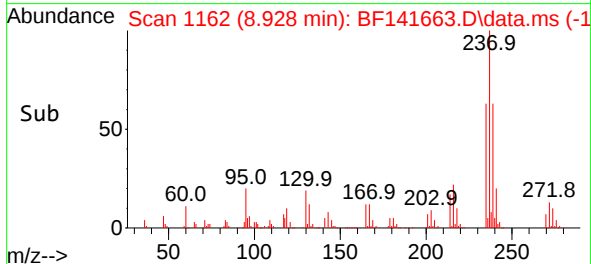


#41
Hexachlorocyclopentadiene
Concen: 144.630 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

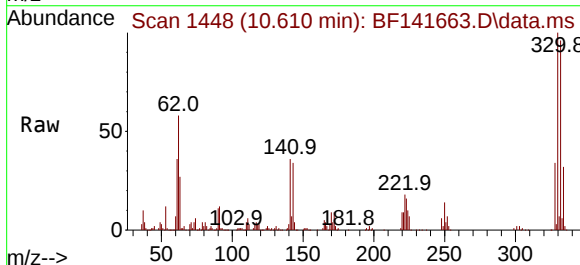
Instrument :
BNA_F
ClientSampleId :
VB27161MSD



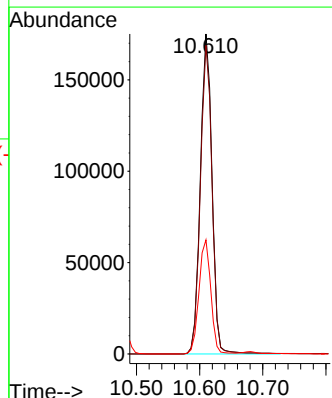
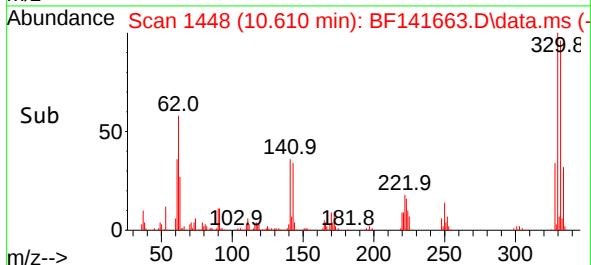
Tgt Ion:237 Resp: 227235
Ion Ratio Lower Upper
237 100
235 62.8 41.4 81.4
272 12.6 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 137.257 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01



Tgt Ion:330 Resp: 225123
Ion Ratio Lower Upper
330 100
332 96.4 78.5 117.7
141 36.1 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 46.206 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

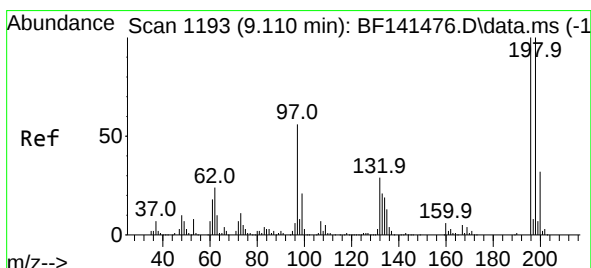
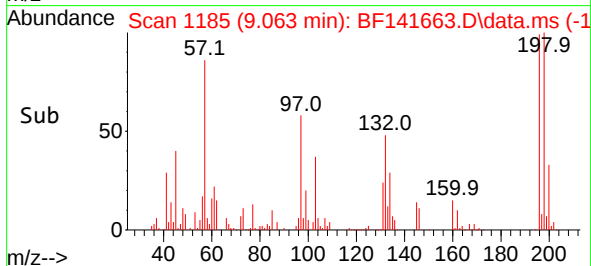
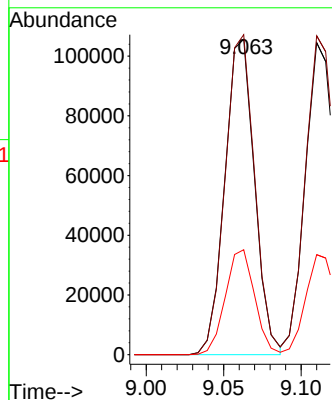
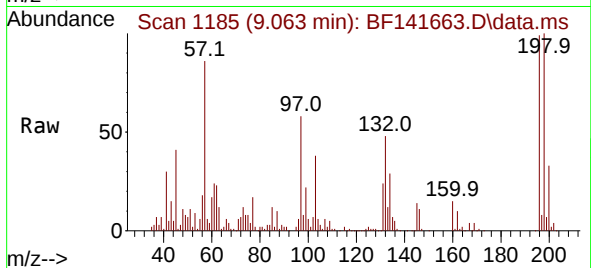
Tgt Ion:196 Resp: 141067

Ion Ratio Lower Upper

196 100

198 101.5 80.6 121.0

200 33.3 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 45.829 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Tgt Ion:196 Resp: 151636

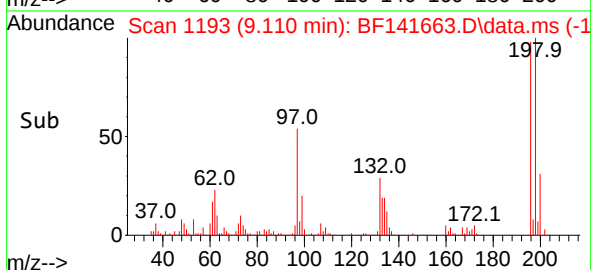
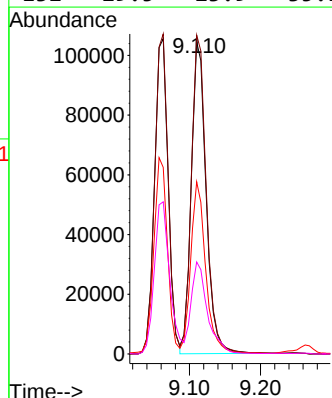
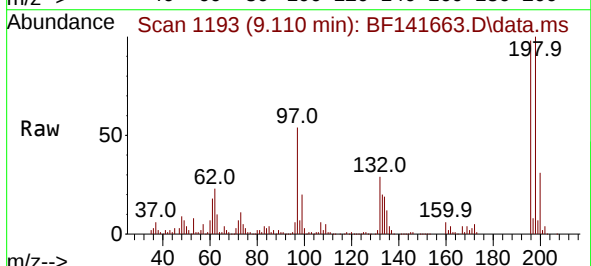
Ion Ratio Lower Upper

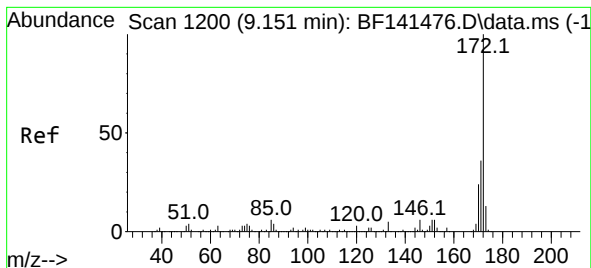
196 100

198 102.2 79.8 119.8

97 55.2 44.8 67.2

132 29.5 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 99.746 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

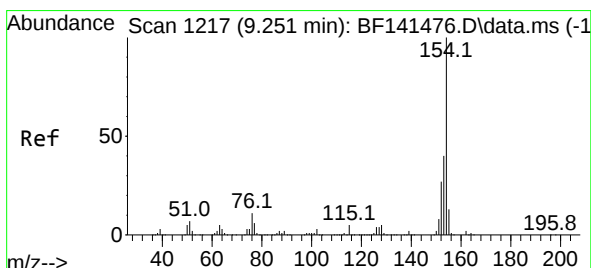
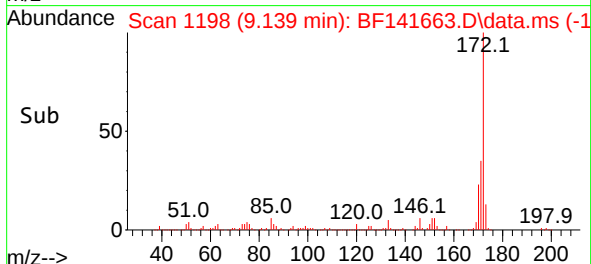
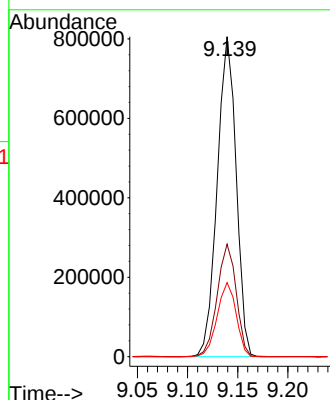
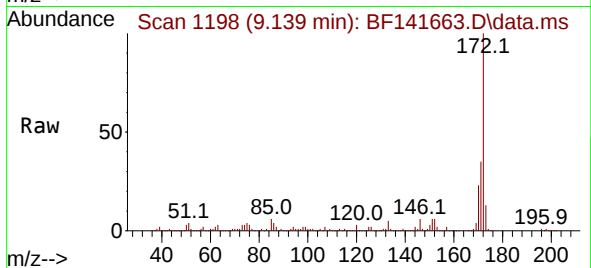
Tgt Ion:172 Resp: 1057081

Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.2 18.9 28.3



#46

1,1'-Biphenyl

Concen: 50.181 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.017 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

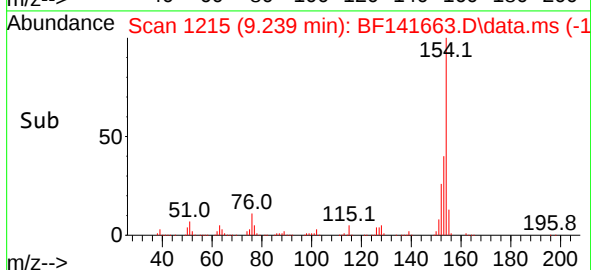
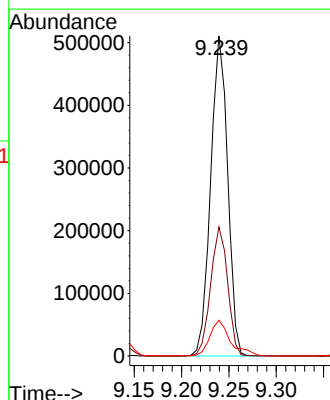
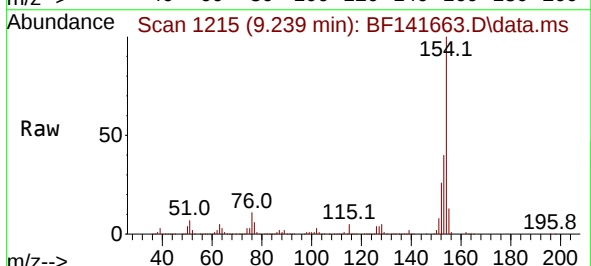
Tgt Ion:154 Resp: 635203

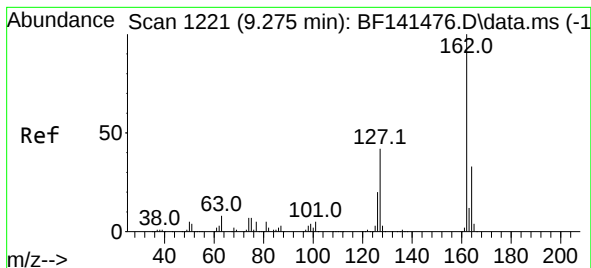
Ion Ratio Lower Upper

154 100

153 40.3 20.4 60.4

76 11.2 0.0 30.8





#47

2-Chloronaphthalene

Concen: 45.828 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

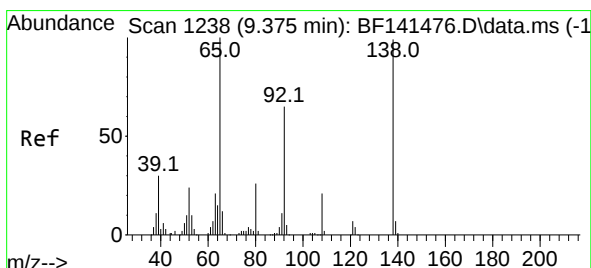
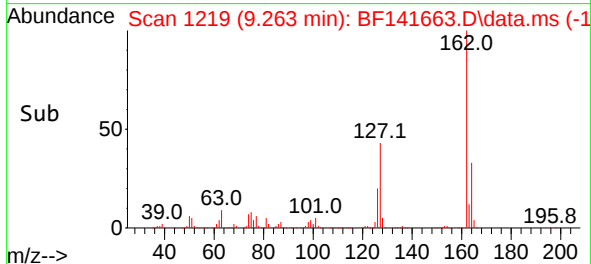
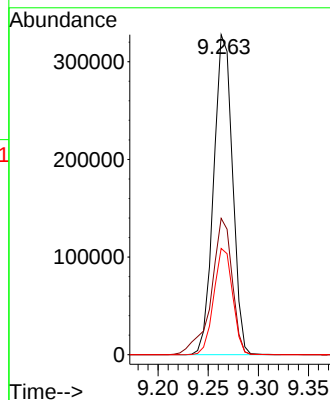
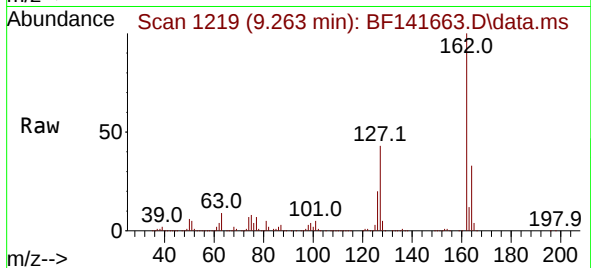
Tgt Ion:162 Resp: 428973

Ion Ratio Lower Upper

162 100

127 42.6 34.1 51.1

164 33.2 26.3 39.5



#48

2-Nitroaniline

Concen: 43.898 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

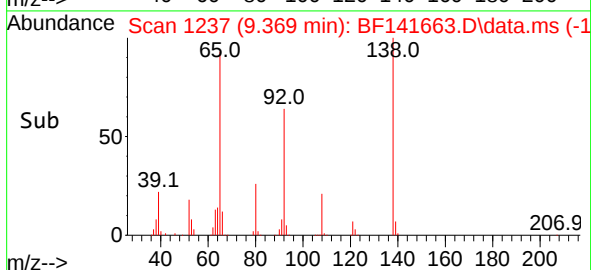
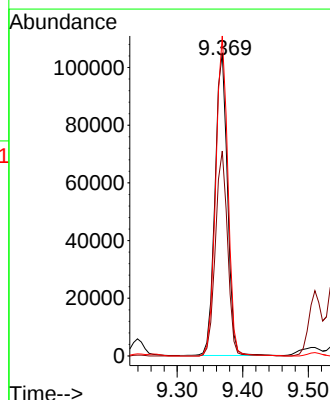
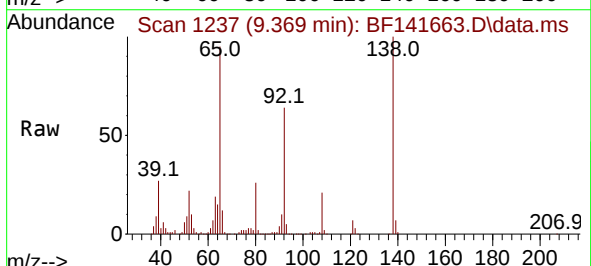
Tgt Ion: 65 Resp: 137900

Ion Ratio Lower Upper

65 100

92 67.6 52.2 78.2

138 105.5 79.5 119.3





#49

Acenaphthylene

Concen: 47.574 ng

RT: 9.681 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

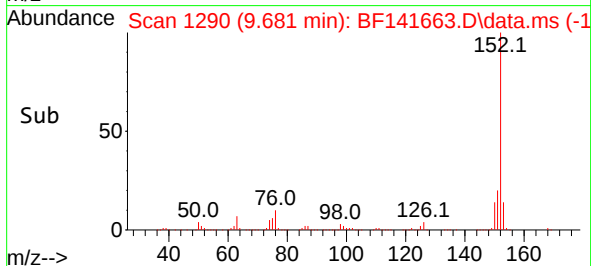
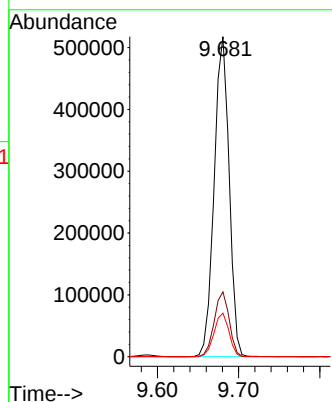
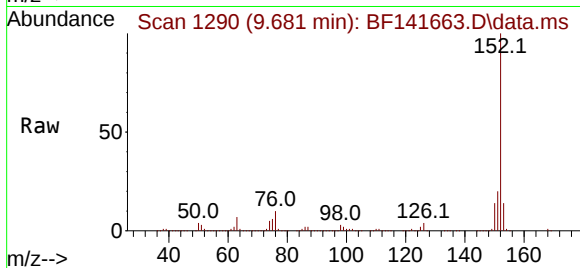
Tgt Ion:152 Resp: 662360

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.6 10.9 16.3



#50

Dimethylphthalate

Concen: 45.532 ng

RT: 9.545 min Scan# 1267

Delta R.T. -0.018 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

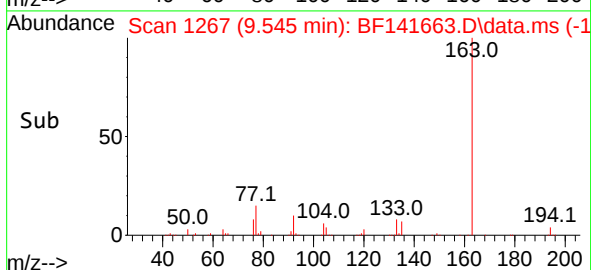
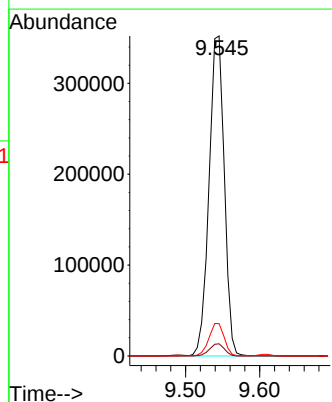
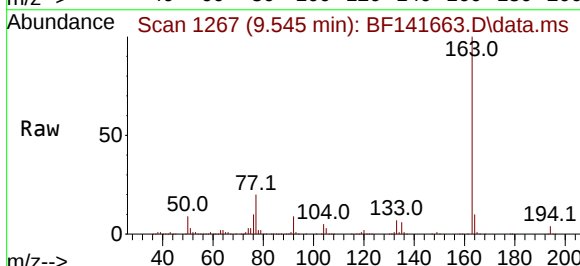
Tgt Ion:163 Resp: 504693

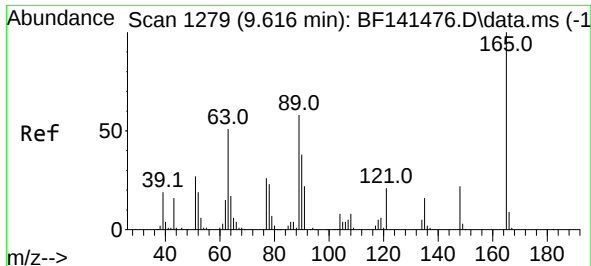
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.1 7.9 11.9

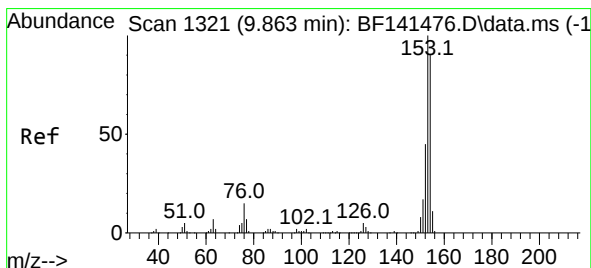
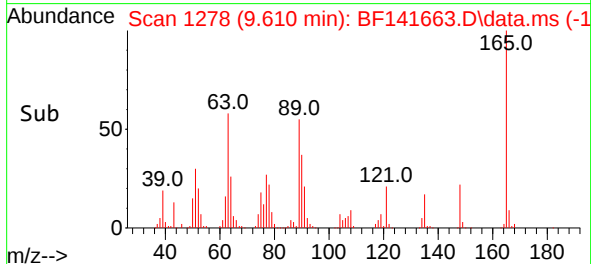
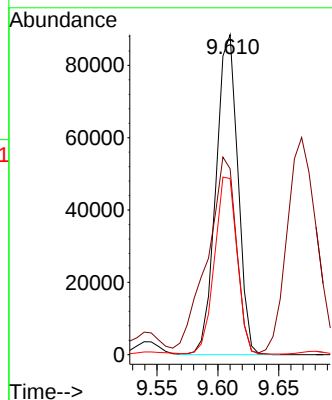
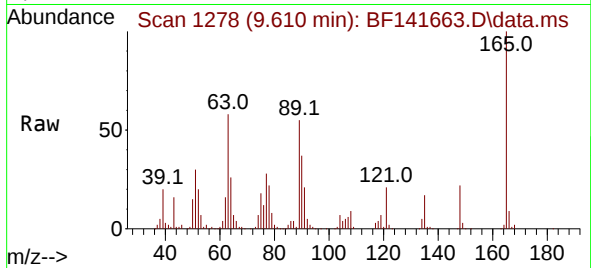




#51
2,6-Dinitrotoluene
Concen: 45.736 ng
RT: 9.610 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

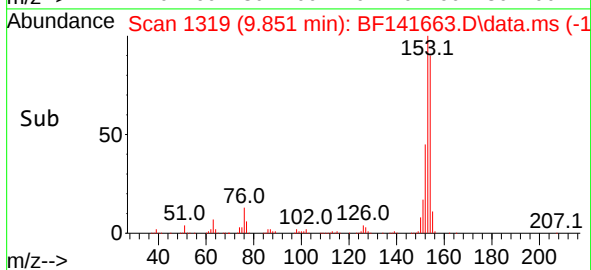
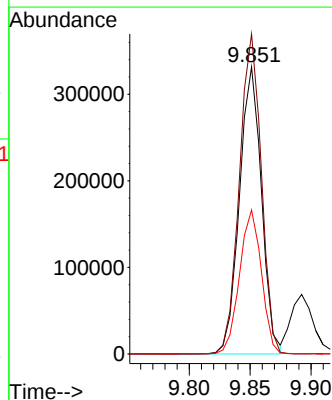
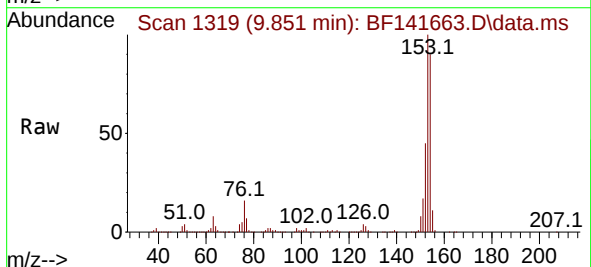
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

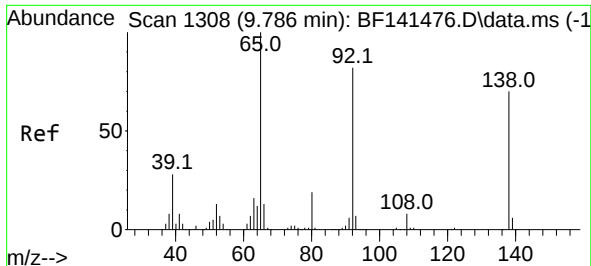
Tgt Ion:165 Resp: 110822
Ion Ratio Lower Upper
165 100
63 58.1 49.4 74.0
89 55.0 46.5 69.7



#52
Acenaphthene
Concen: 44.596 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:154 Resp: 417419
Ion Ratio Lower Upper
154 100
153 111.5 89.2 133.8
152 50.2 39.8 59.8

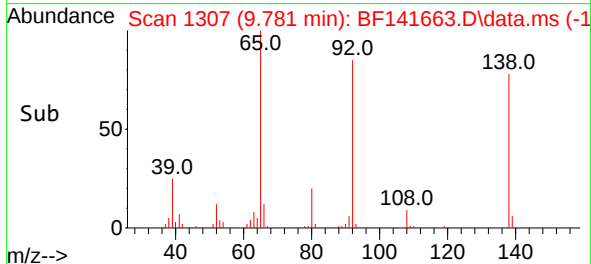
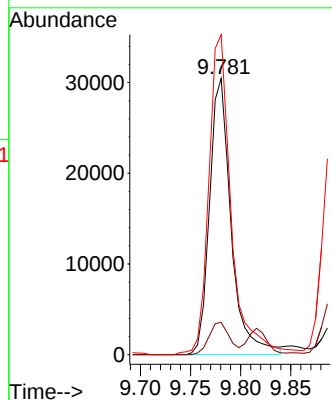
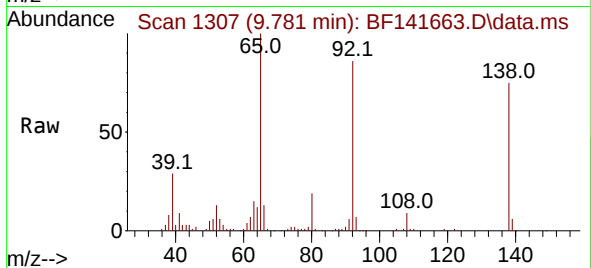




#53
3-Nitroaniline
Concen: 17.476 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

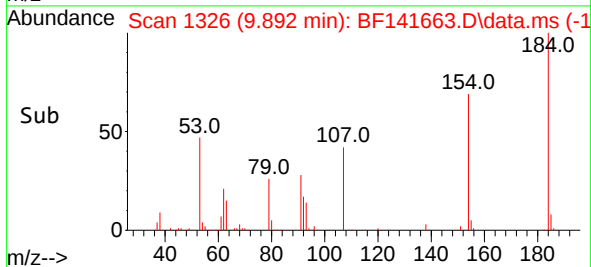
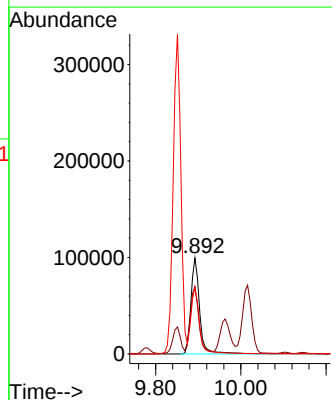
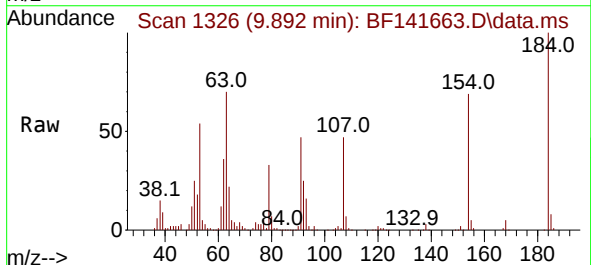
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:138 Resp: 45578
Ion Ratio Lower Upper
138 100
108 11.7 9.0 13.4
92 115.9 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 98.961 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:184 Resp: 142515
Ion Ratio Lower Upper
184 100
63 70.2 61.0 91.6
154 69.2 59.9 89.9

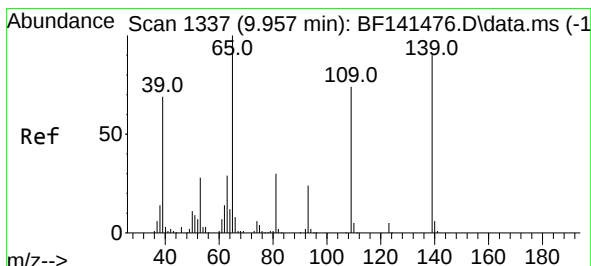
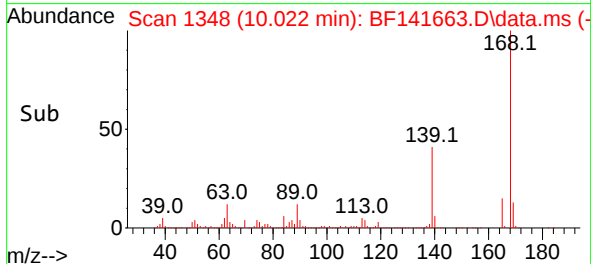
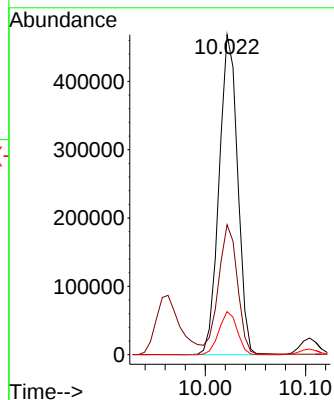
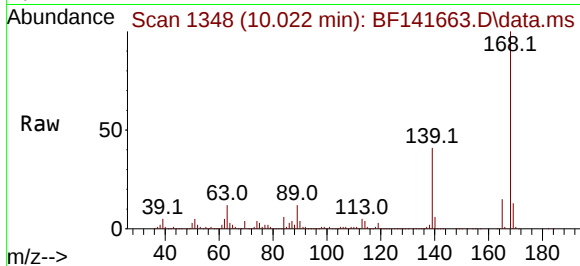




#55
Dibenzenofuran
Concen: 43.611 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

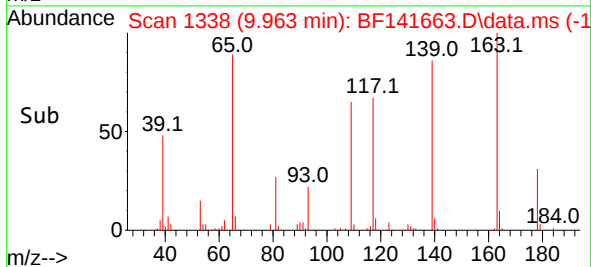
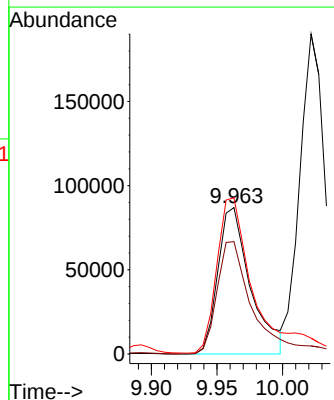
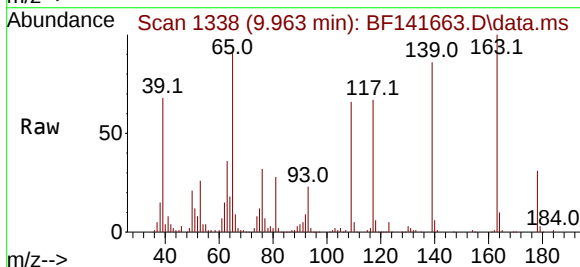
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:168 Resp: 599167
Ion Ratio Lower Upper
168 100
139 40.6 32.7 49.1
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 77.583 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:139 Resp: 150200
Ion Ratio Lower Upper
139 100
109 76.7 62.0 102.0
65 106.6 91.2 131.2

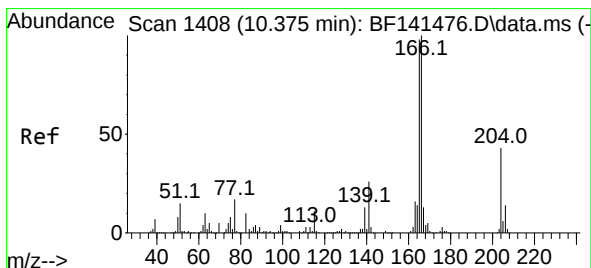
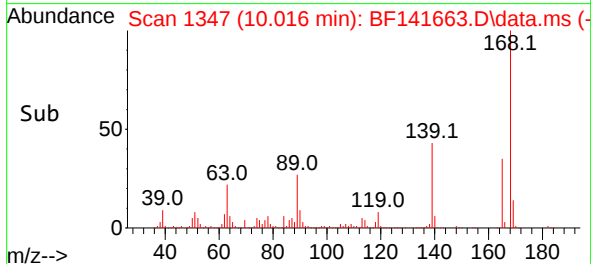
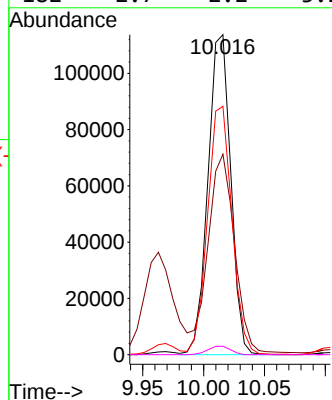
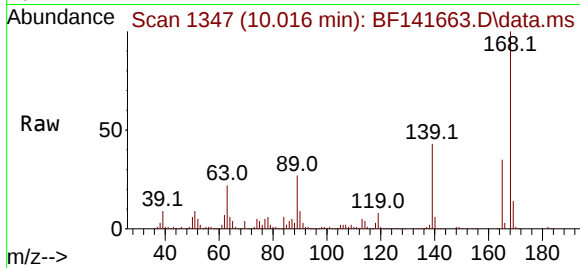




#57
2,4-Dinitrotoluene
Concen: 45.864 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

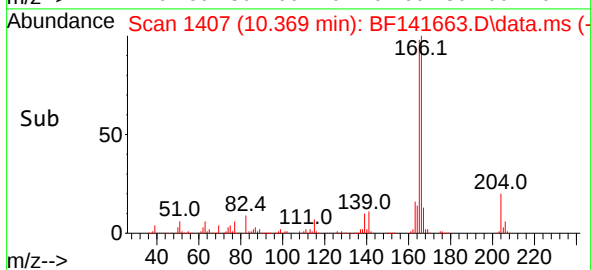
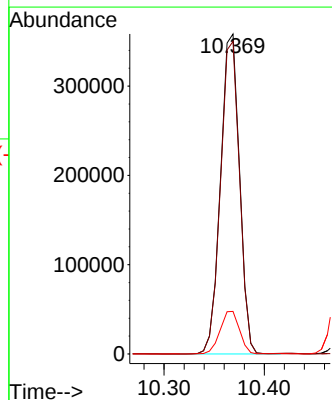
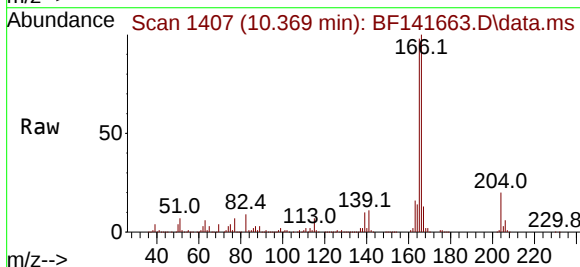
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

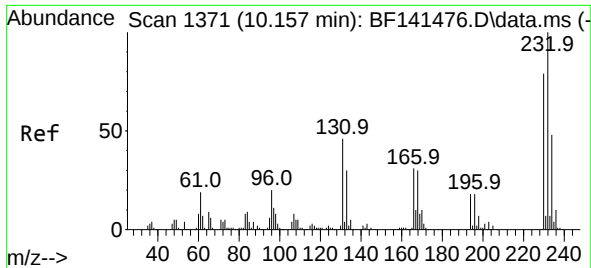
Tgt Ion:165 Resp: 147945
Ion Ratio Lower Upper
165 100
63 62.6 46.4 69.6
89 77.7 61.8 92.6
182 2.7 2.2 3.2



#58
Fluorene
Concen: 44.329 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:166 Resp: 470901
Ion Ratio Lower Upper
166 100
165 97.7 78.2 117.2
167 13.3 10.7 16.1

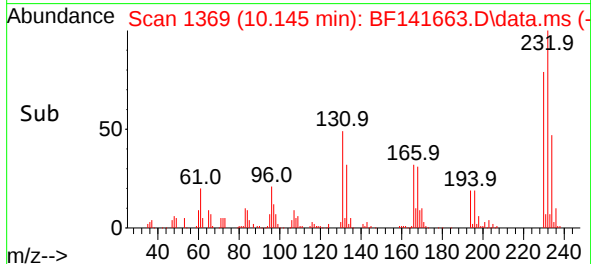
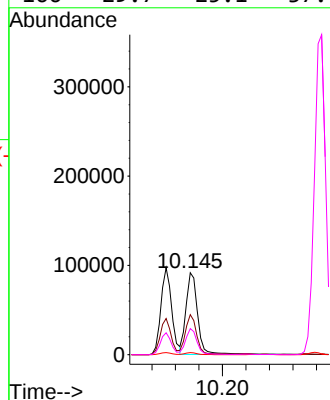
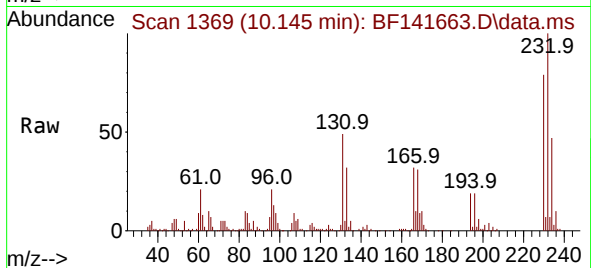




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.120 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

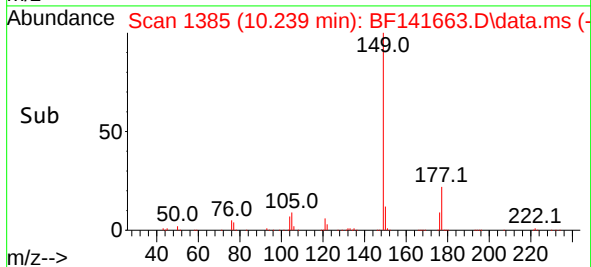
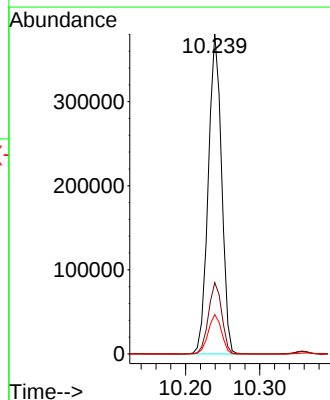
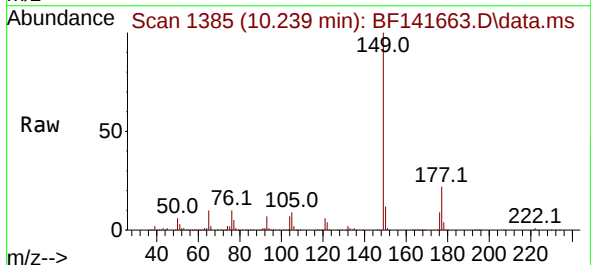
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:232 Resp: 125681
Ion Ratio Lower Upper
232 100
131 46.4 39.2 58.8
130 2.5 2.1 3.1
166 29.7 25.1 37.7



#60
Diethylphthalate
Concen: 43.460 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:149 Resp: 473954
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.6
150 12.3 10.1 15.1

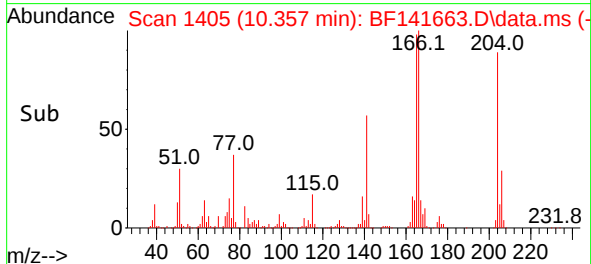
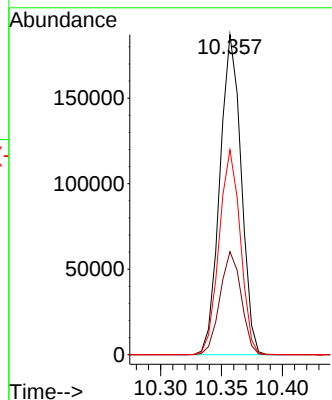
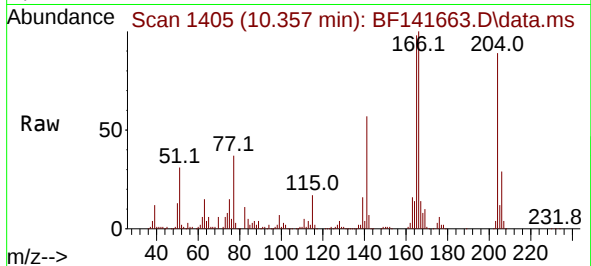




#61
4-Chlorophenyl-phenylether
Concen: 44.635 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

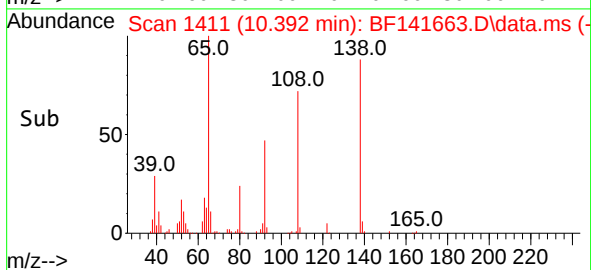
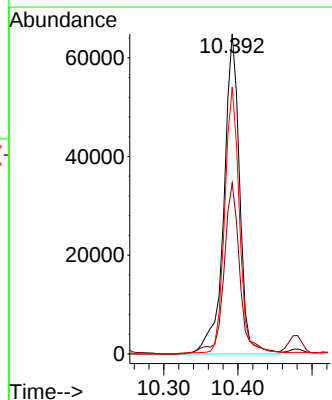
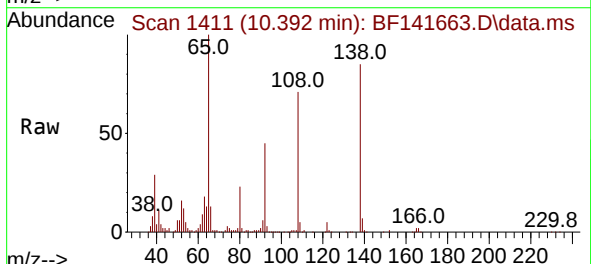
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

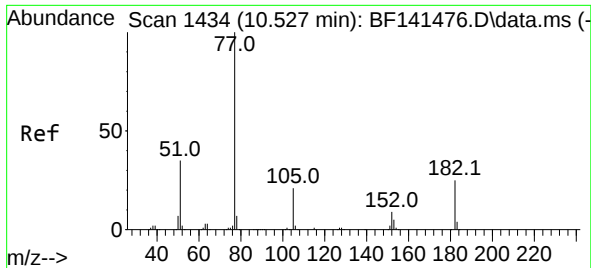
Tgt Ion:204 Resp: 228108
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 64.0 51.9 77.9



#62
4-Nitroaniline
Concen: 36.294 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:138 Resp: 96113
Ion Ratio Lower Upper
138 100
92 53.4 31.3 71.3
108 83.4 63.7 103.7

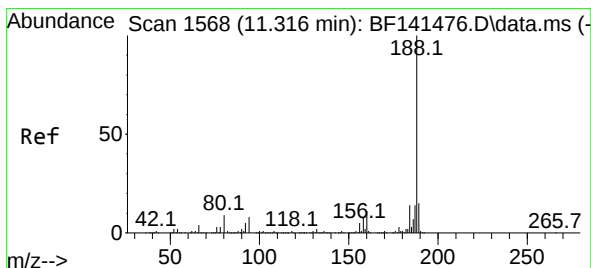
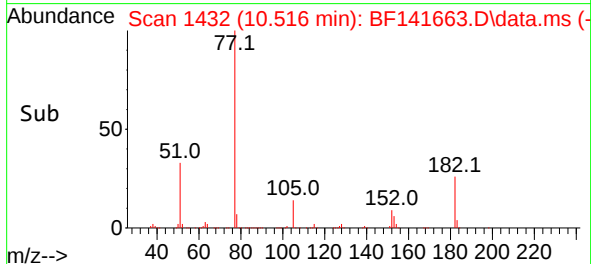
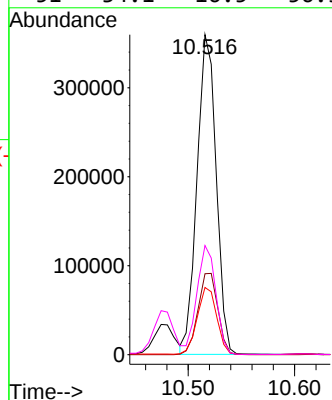
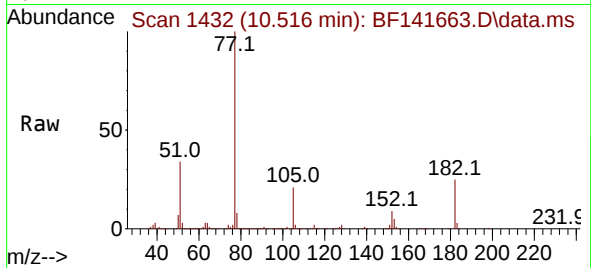




#63
Azobenzene
Concen: 41.578 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

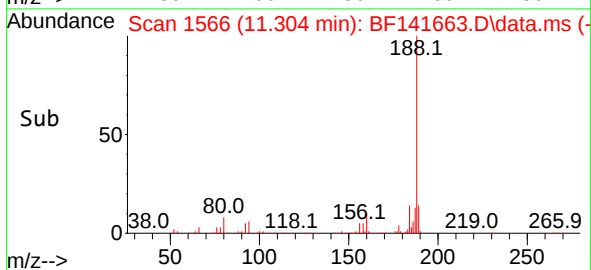
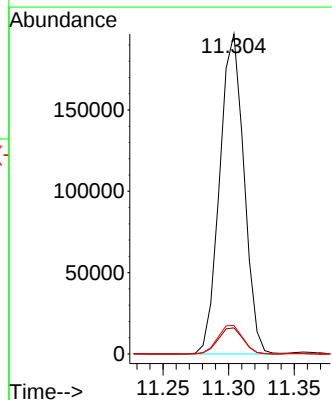
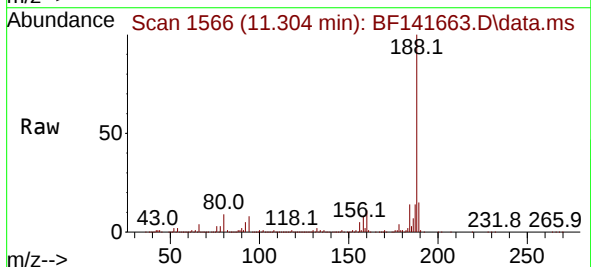
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

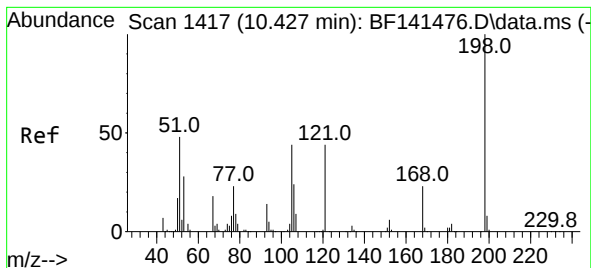
Tgt Ion:	77	Resp:	450776
Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.7	44.7
105	21.0	0.4	40.4
51	34.1	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:	188	Resp:	253273
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.6	10.0
80	8.9	7.3	10.9

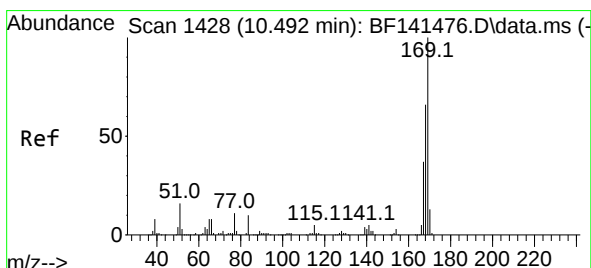
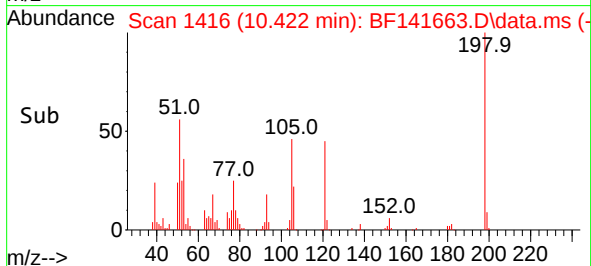
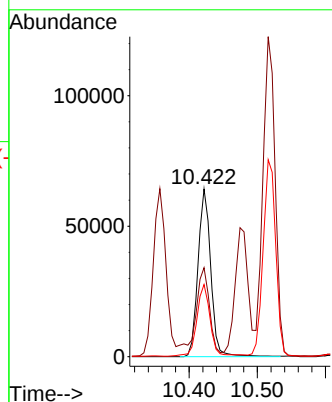
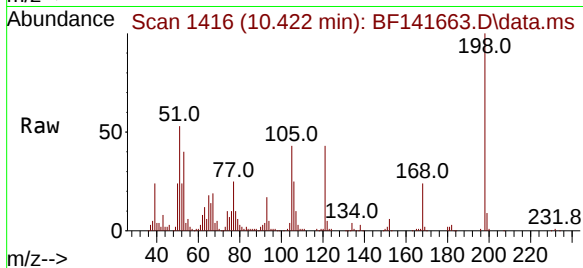




#65
4,6-Dinitro-2-methylphenol
Concen: 47.362 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

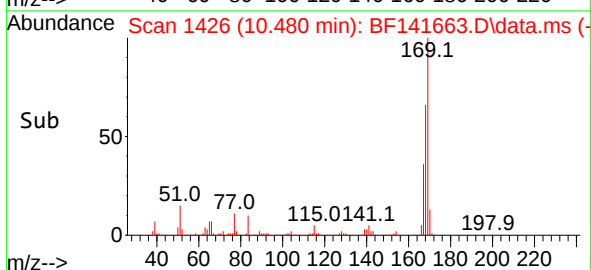
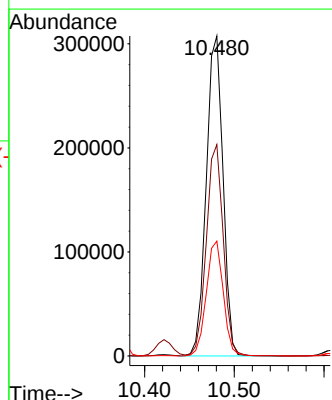
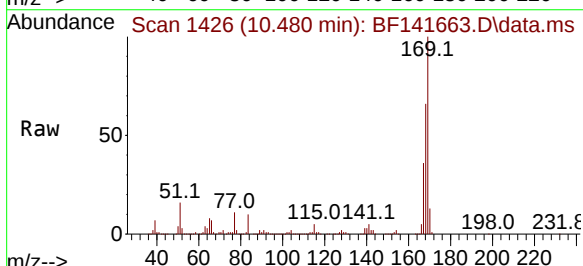
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

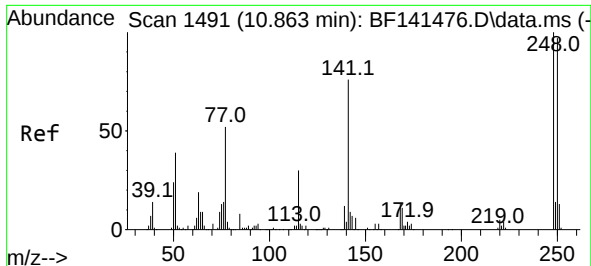
Tgt Ion:198 Resp: 83328
Ion Ratio Lower Upper
198 100
51 53.0 37.4 77.4
105 43.0 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 49.039 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:169 Resp: 397588
Ion Ratio Lower Upper
169 100
168 66.0 53.3 79.9
167 35.9 29.4 44.2

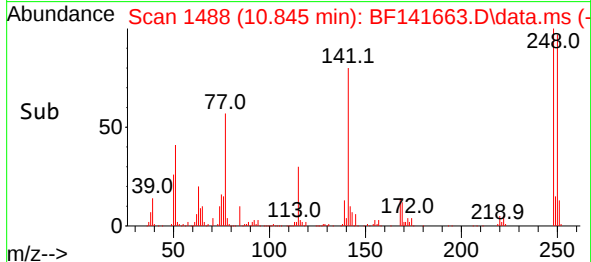
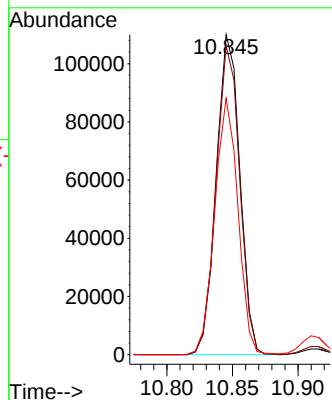
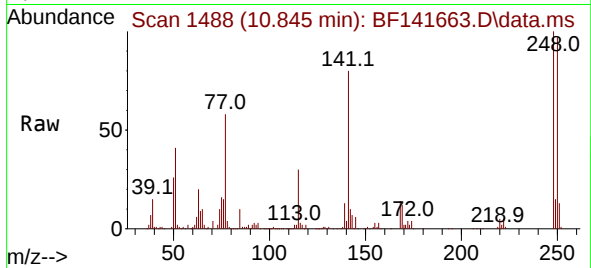




#67
4-Bromophenyl-phenylether
Concen: 48.761 ng
RT: 10.845 min Scan# 1488
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

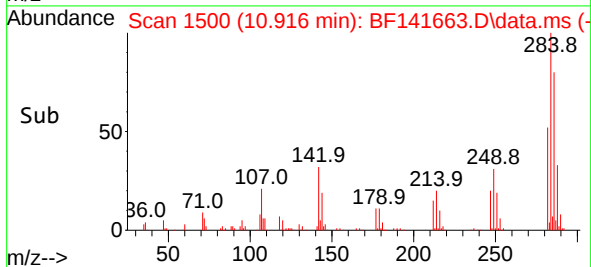
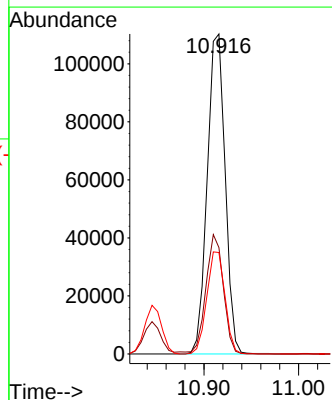
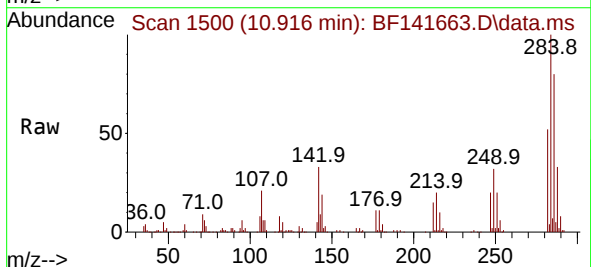
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:248 Resp: 138026
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.6
141 80.1 60.6 90.8



#68
Hexachlorobenzene
Concen: 49.689 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:284 Resp: 144835
Ion Ratio Lower Upper
284 100
142 33.2 28.0 42.0
249 31.7 25.8 38.8





#69

Atrazine

Concen: 49.766 ng

RT: 11.010 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

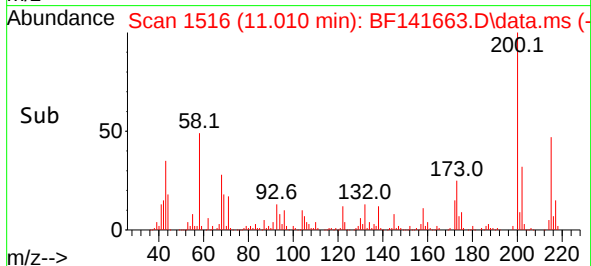
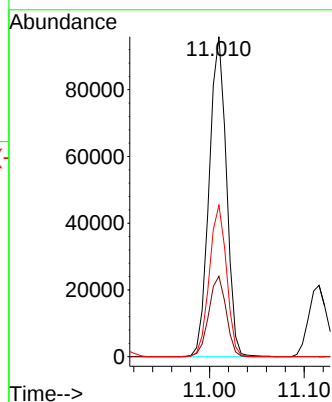
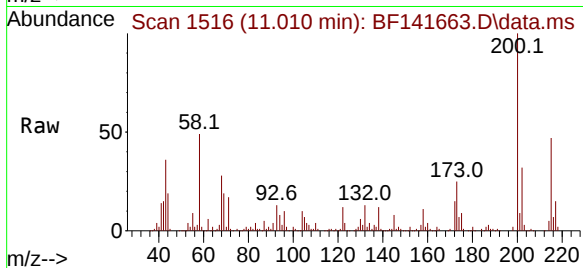
Tgt Ion:200 Resp: 121045

Ion Ratio Lower Upper

200 100

173 25.2 5.9 45.9

215 47.3 25.9 65.9



#70

Pentachlorophenol

Concen: 87.809 ng

RT: 11.116 min Scan# 1534

Delta R.T. -0.012 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

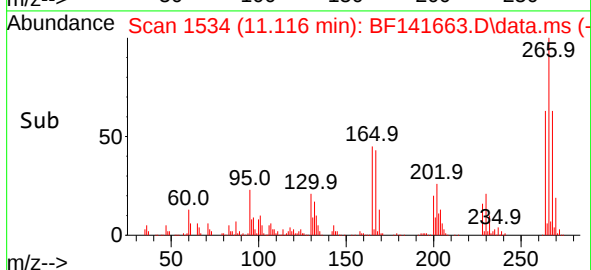
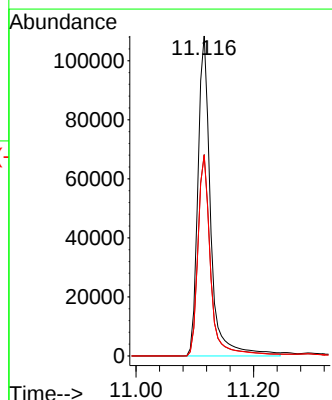
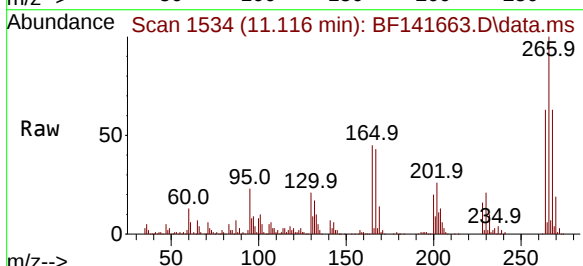
Tgt Ion:266 Resp: 163658

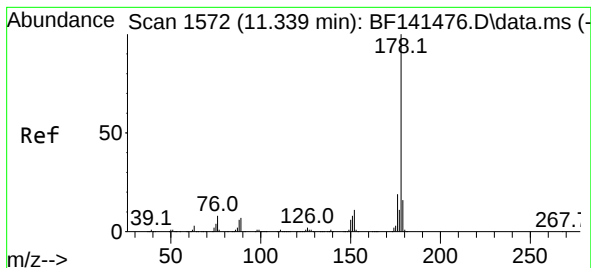
Ion Ratio Lower Upper

266 100

268 63.0 50.1 75.1

264 62.7 50.1 75.1





#71

Phenanthrene

Concen: 46.409 ng

RT: 11.328 min Scan# 1570

Delta R.T. -0.017 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

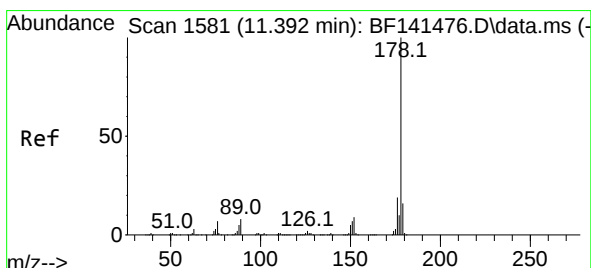
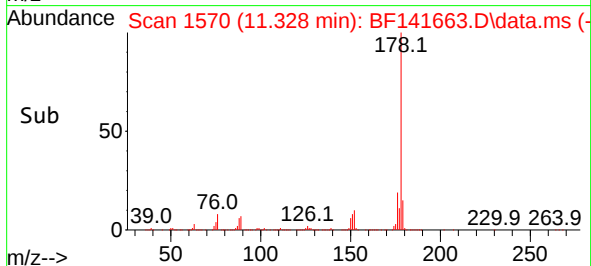
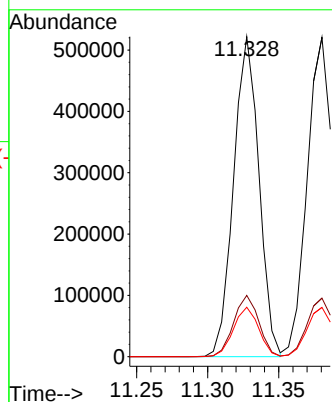
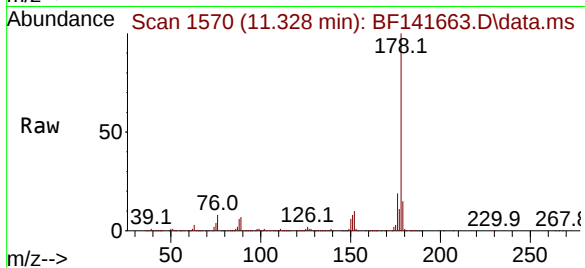
Tgt Ion:178 Resp: 647015

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.5 12.4 18.6



#72

Anthracene

Concen: 47.244 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.017 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

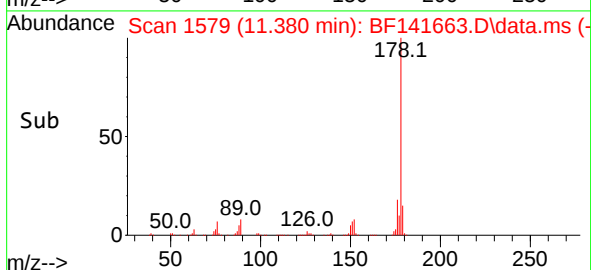
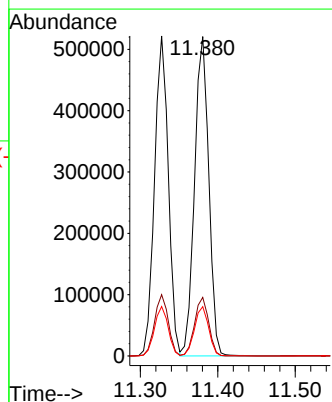
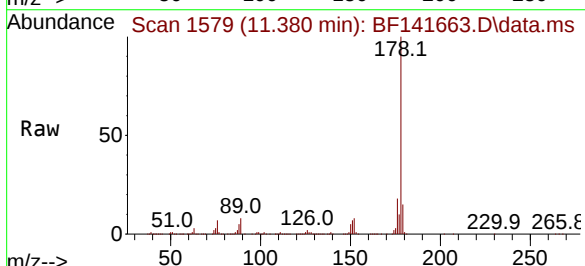
Tgt Ion:178 Resp: 662113

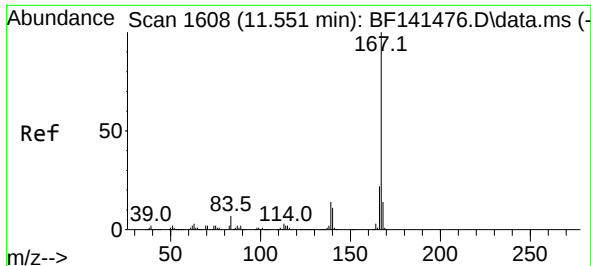
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.4 12.4 18.6

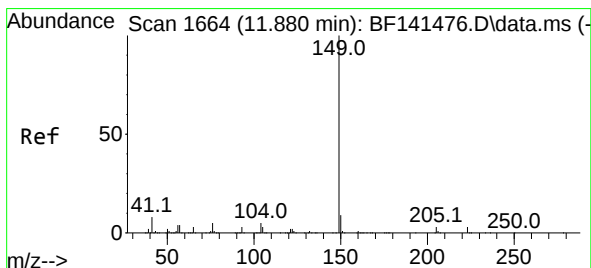
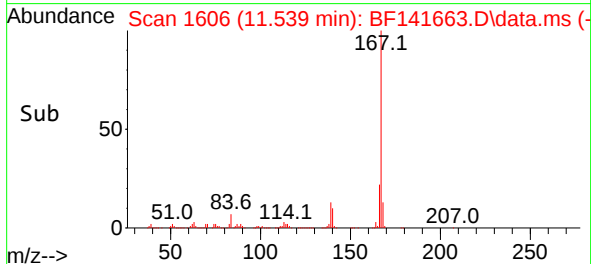
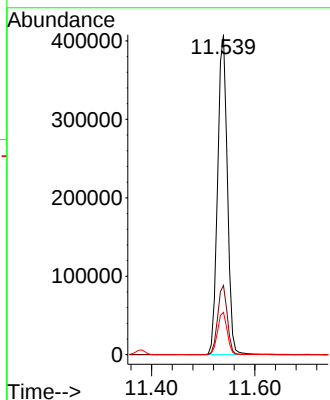
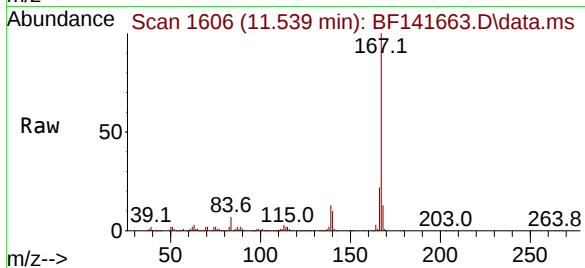




#73
Carbazole
Concen: 42.065 ng
RT: 11.539 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

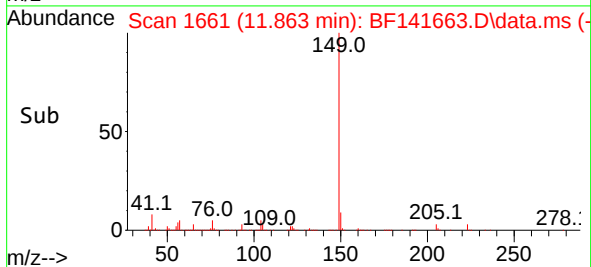
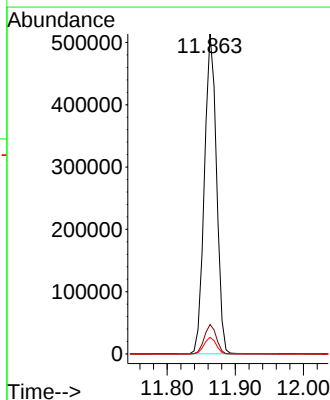
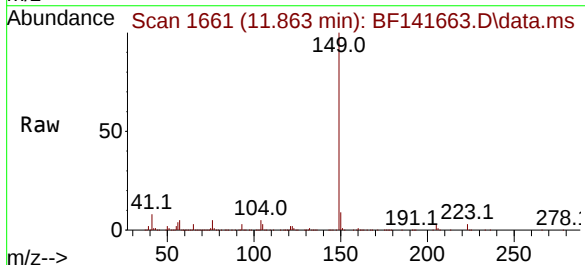
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

Tgt Ion:167 Resp: 530450
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.2 10.9 16.3



#74
Di-n-butylphthalate
Concen: 43.523 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:149 Resp: 633723
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.2 4.2 6.2

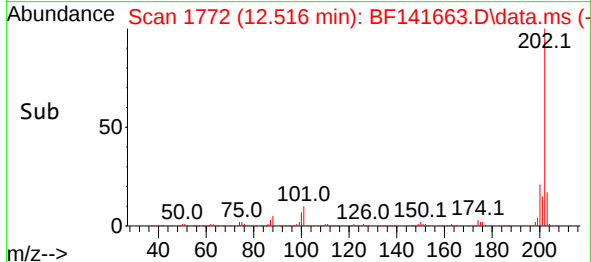
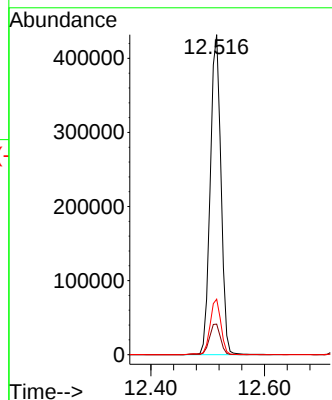
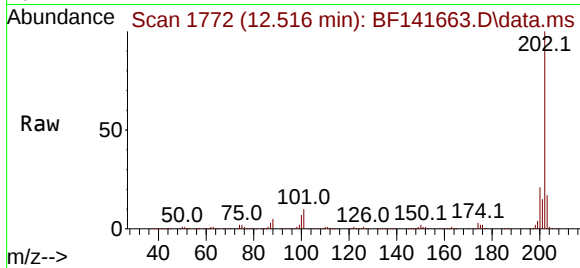




#75
Fluoranthene
Concen: 37.901 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

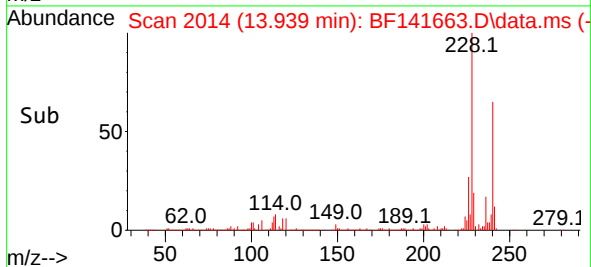
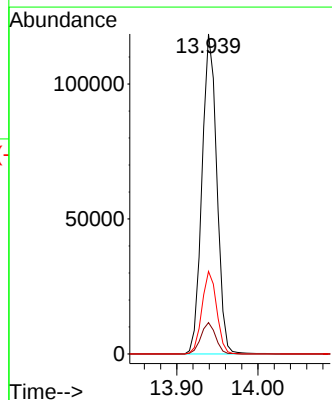
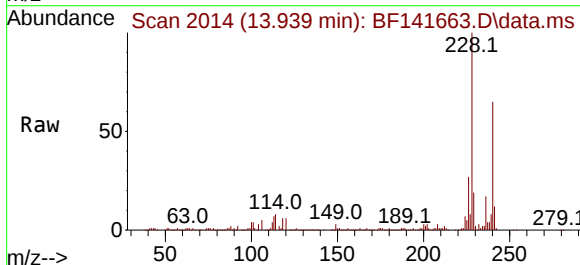
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

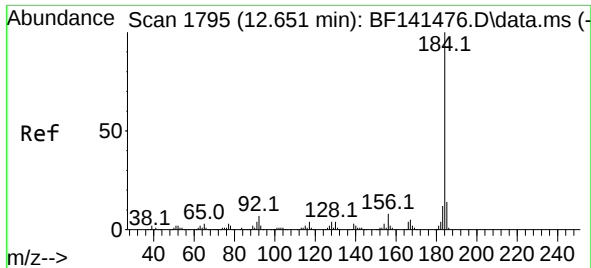
Tgt Ion:202 Resp: 560208
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:240 Resp: 150207
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.8 19.8 29.8

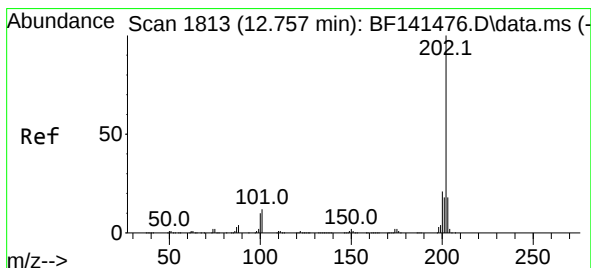
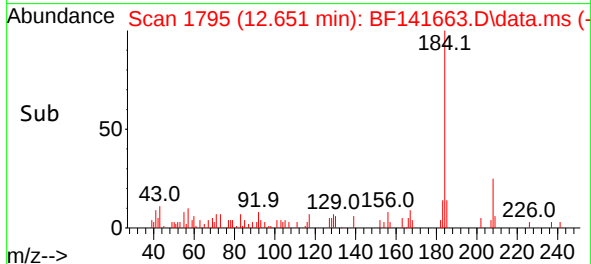
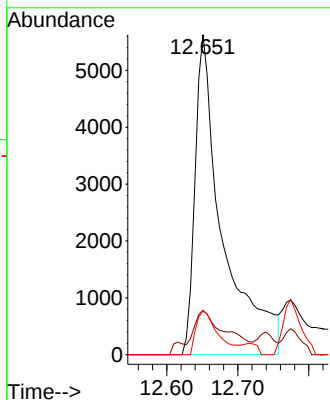
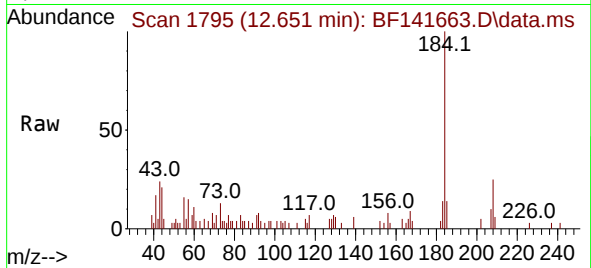




#77
Benzidine
Concen: 4.587 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

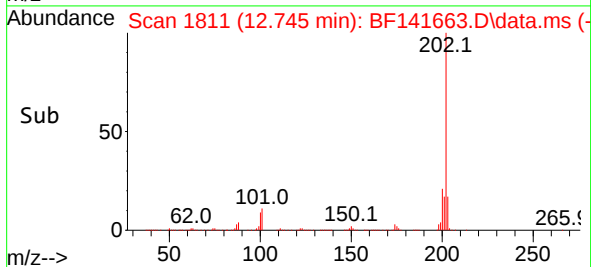
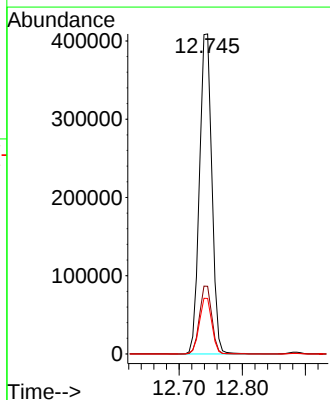
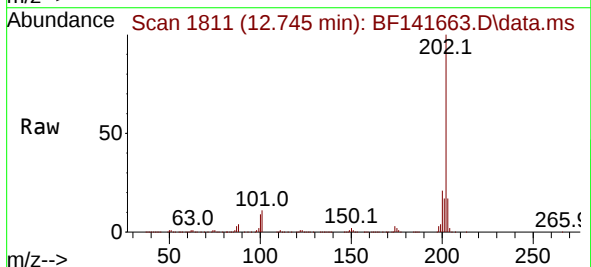
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

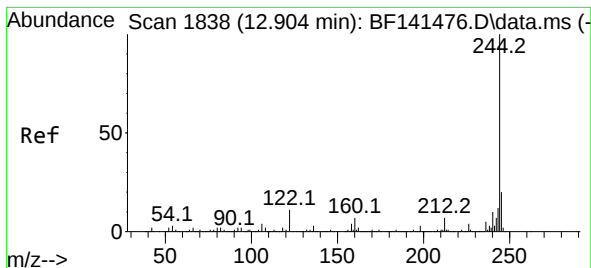
Tgt Ion:184 Resp: 15196
Ion Ratio Lower Upper
184 100
185 13.8 11.3 16.9
183 13.6 9.3 13.9



#78
Pyrene
Concen: 43.486 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.017 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:202 Resp: 556039
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 93.952 ng

RT: 12.886 min Scan# 1835

Delta R.T. -0.017 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

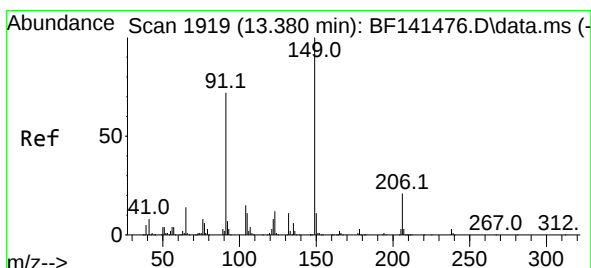
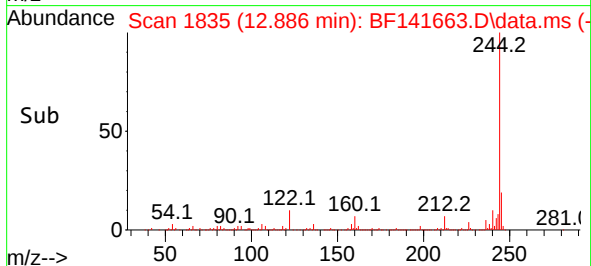
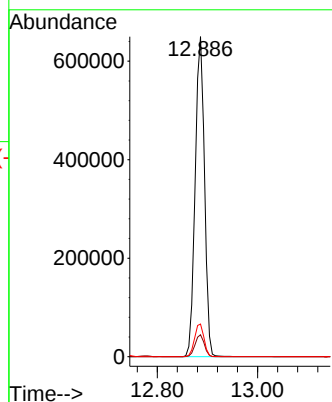
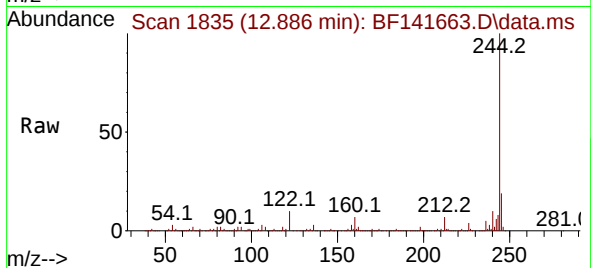
Tgt Ion:244 Resp: 835945

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.2 8.4 12.6



#80

Butylbenzylphthalate

Concen: 43.616 ng

RT: 13.357 min Scan# 1915

Delta R.T. -0.023 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

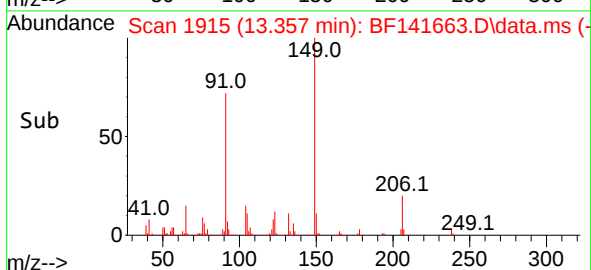
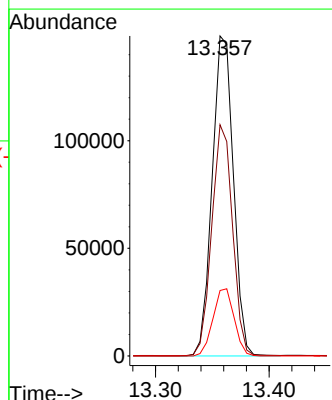
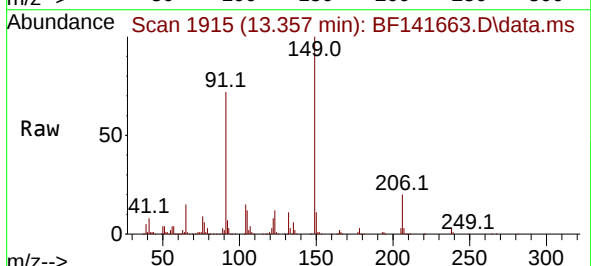
Tgt Ion:149 Resp: 193173

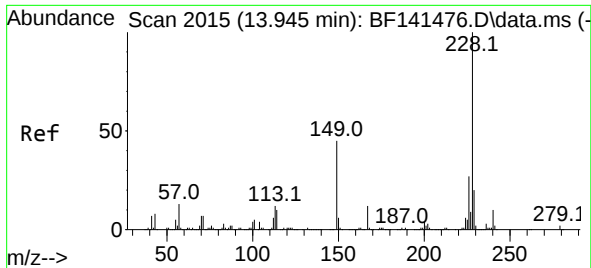
Ion Ratio Lower Upper

149 100

91 72.3 57.8 86.8

206 20.4 16.7 25.1

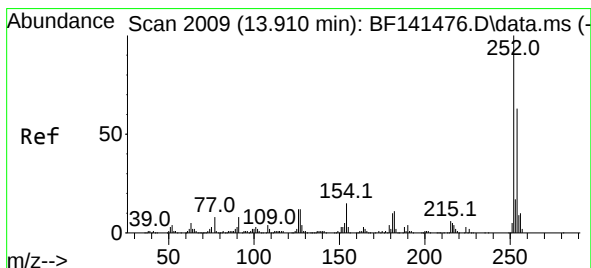
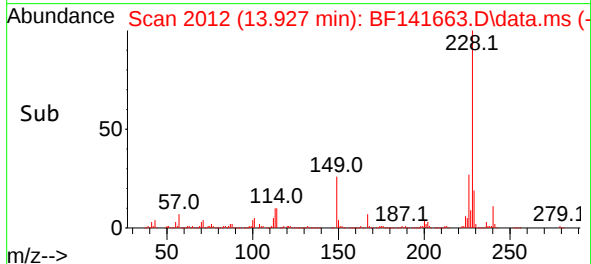
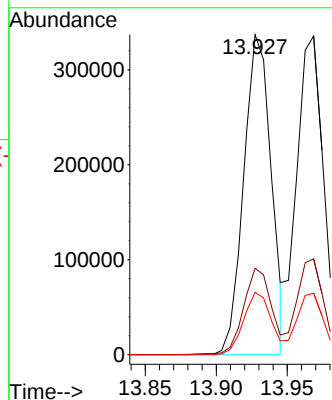
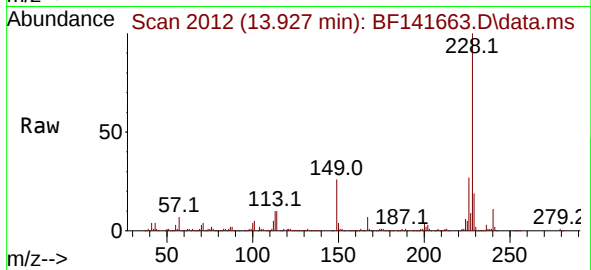




#81
Benzo(a)anthracene
Concen: 45.304 ng
RT: 13.927 min Scan# 2015
Delta R.T. -0.023 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

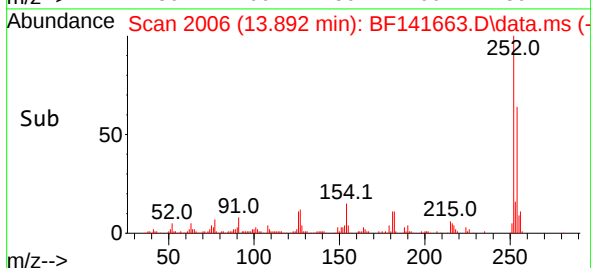
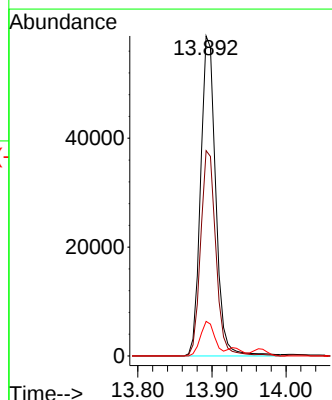
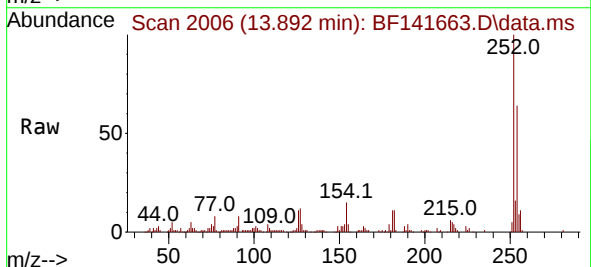
Instrument :
BNA_F
ClientSampleId :
VB27161MSD

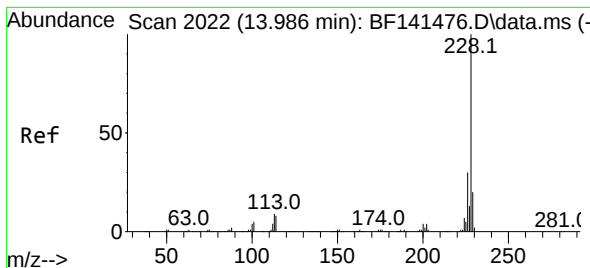
Tgt Ion:228 Resp: 452355
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.5 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 29.102 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141663.D
Acq: 18 Feb 2025 16:01

Tgt Ion:252 Resp: 83236
Ion Ratio Lower Upper
252 100
254 64.1 50.6 76.0
126 10.8 9.3 13.9





#83

Chrysene

Concen: 47.762 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.023 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

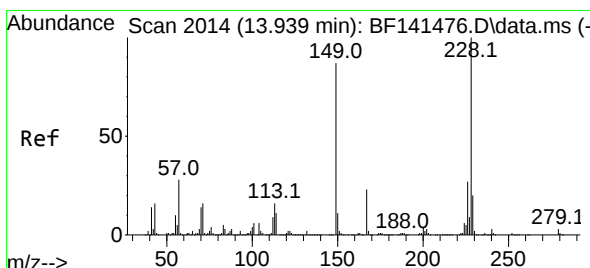
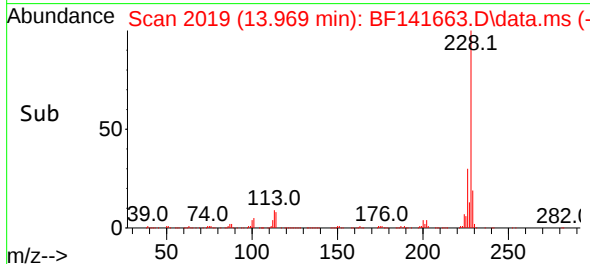
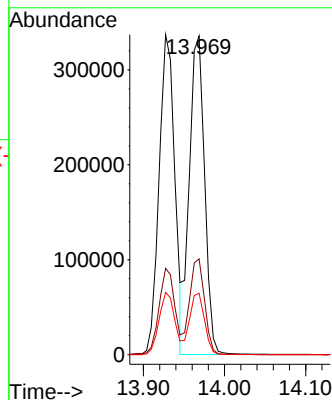
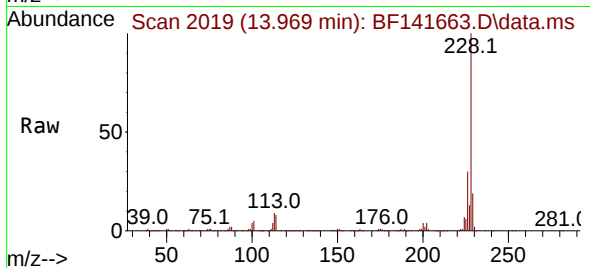
Tgt Ion:228 Resp: 440342

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

229 19.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.448 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.023 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

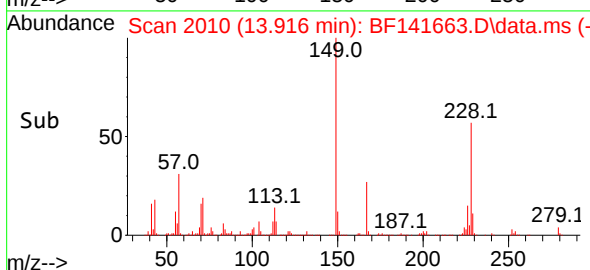
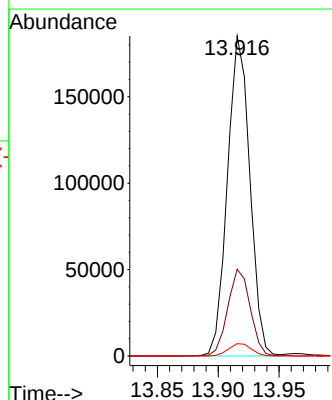
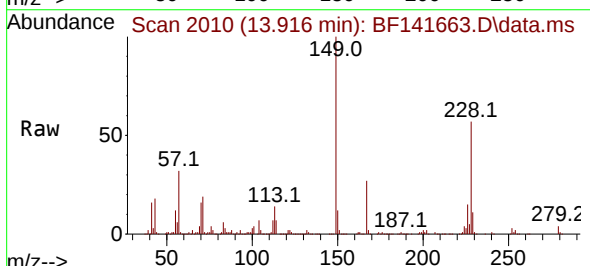
Tgt Ion:149 Resp: 237009

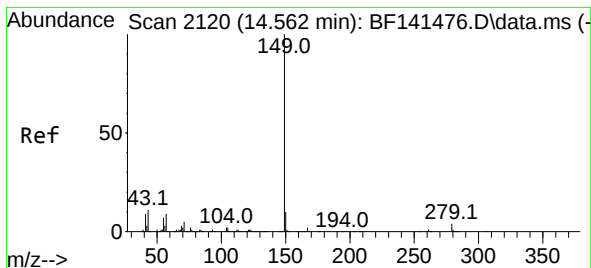
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 58.680 ng

RT: 14.527 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

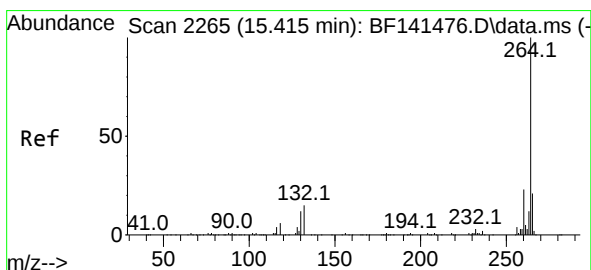
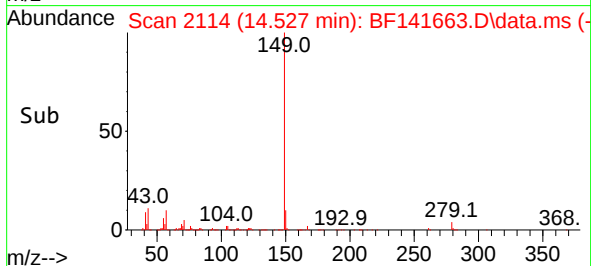
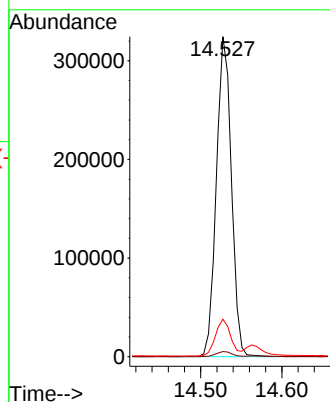
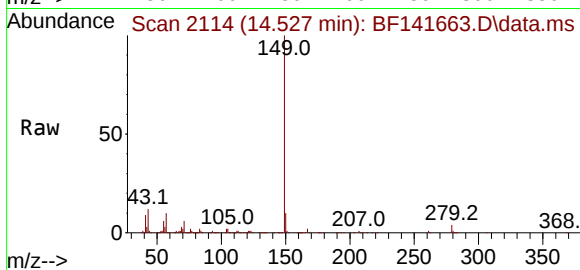
Tgt Ion:149 Resp: 418151

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 11.8 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.035 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

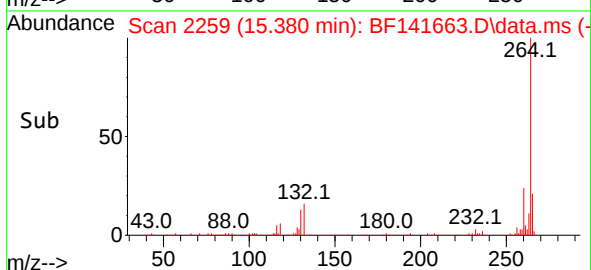
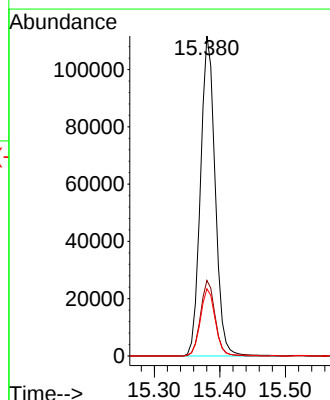
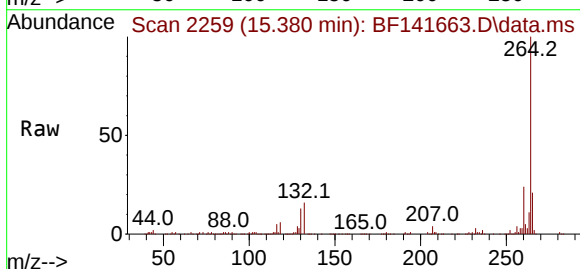
Tgt Ion:264 Resp: 173912

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.741 ng

RT: 16.815 min Scan# 2189

Delta R.T. -0.059 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

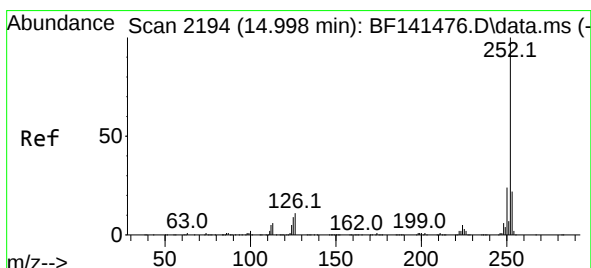
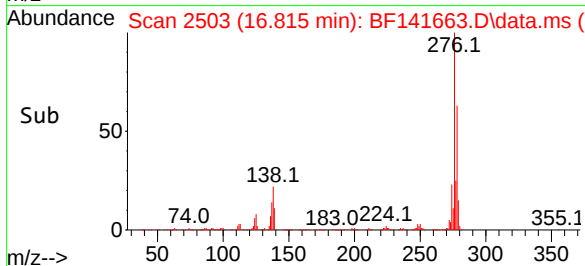
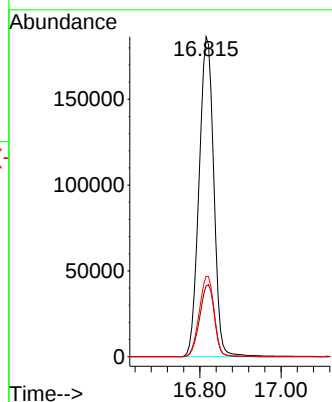
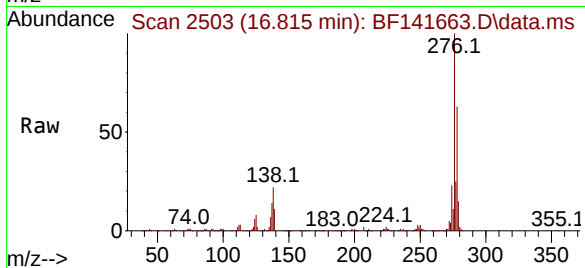
Tgt Ion:276 Resp: 470038

Ion Ratio Lower Upper

276 100

138 22.7 18.0 27.0

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 43.032 ng

RT: 14.968 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

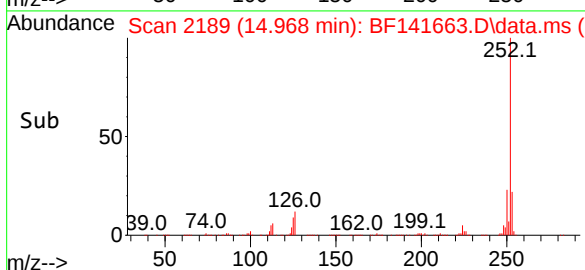
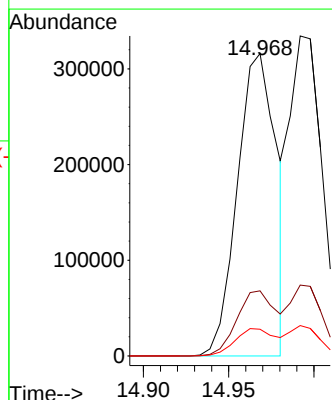
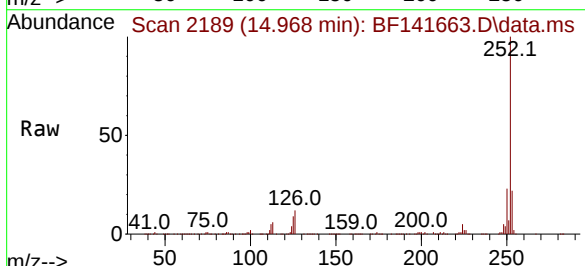
Tgt Ion:252 Resp: 502501

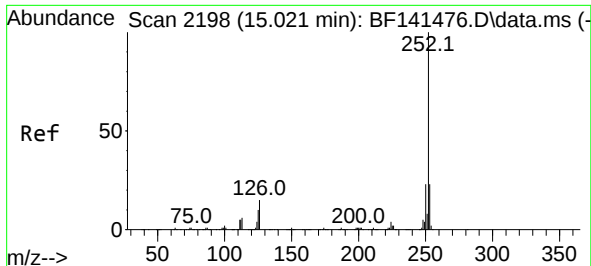
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 8.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 45.035 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

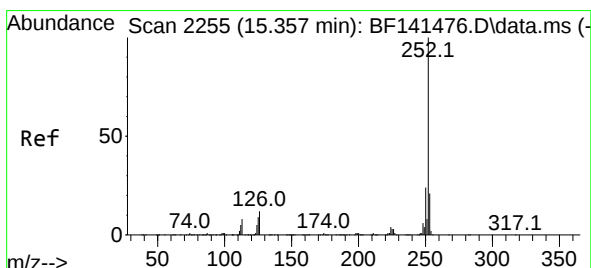
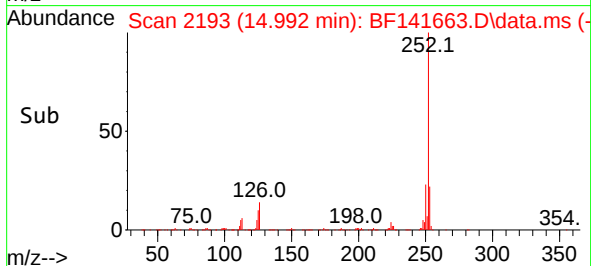
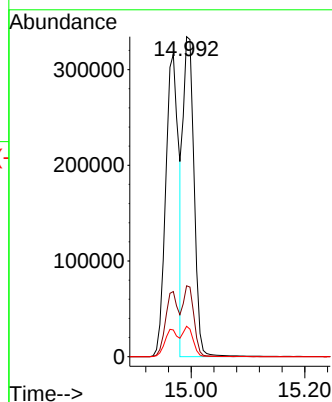
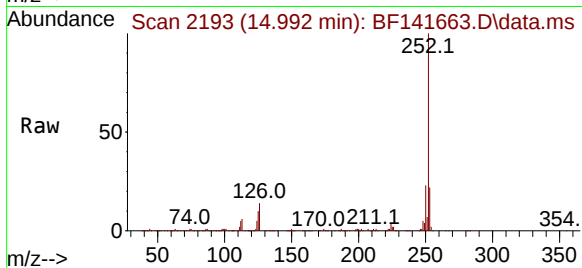
Tgt Ion:252 Resp: 449064

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 9.5 7.4 11.0



#90

Benzo(a)pyrene

Concen: 48.799 ng

RT: 15.321 min Scan# 2249

Delta R.T. -0.041 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

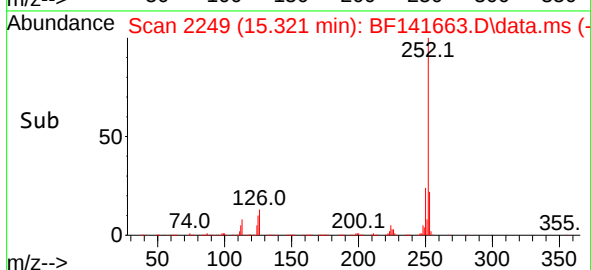
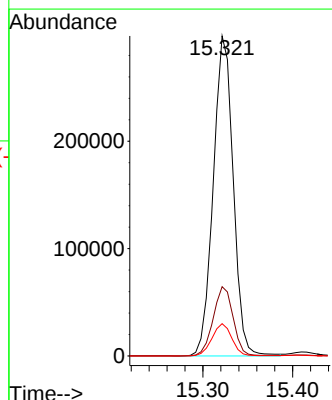
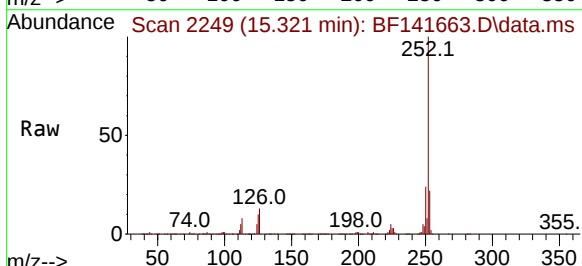
Tgt Ion:252 Resp: 461095

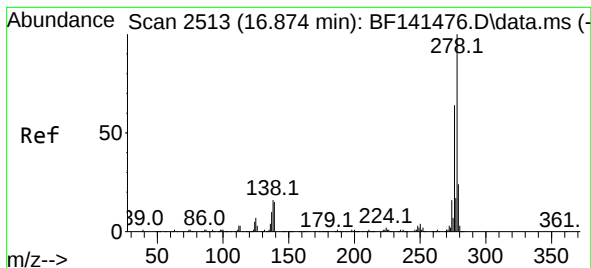
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 10.1 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 44.159 ng

RT: 16.827 min Scan# 2505

Delta R.T. -0.065 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VB27161MSD

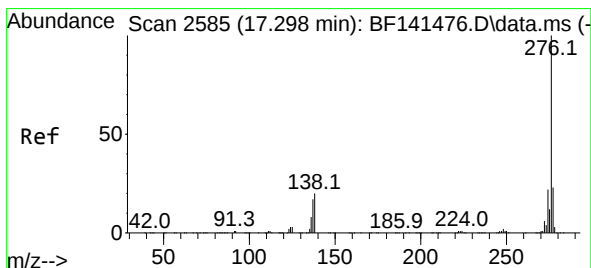
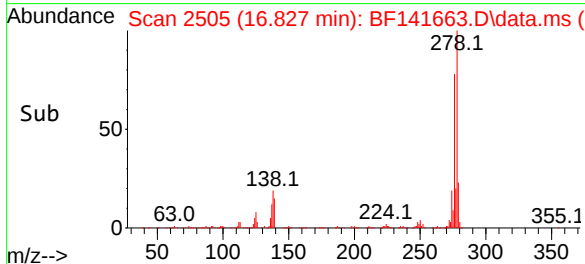
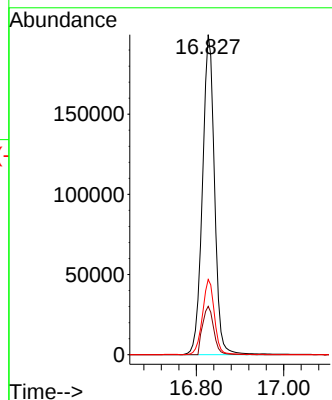
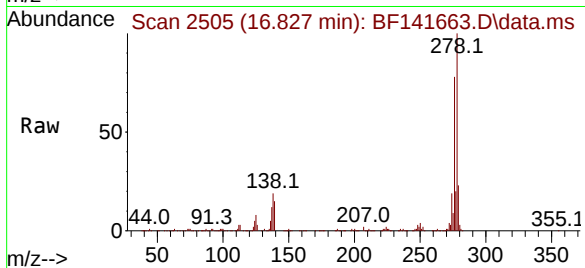
Tgt Ion:278 Resp: 384504

Ion Ratio Lower Upper

278 100

139 15.1 11.8 17.6

279 23.5 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 36.629 ng

RT: 17.245 min Scan# 2576

Delta R.T. -0.070 min

Lab File: BF141663.D

Acq: 18 Feb 2025 16:01

Tgt Ion:276 Resp: 333758

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 19.6 15.9 23.9

