

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141752.D
 Acq On : 24 Feb 2025 19:06
 Operator : RC/JU
 Sample : Q1413-01MSD 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-2-022125MSD

Quant Time: Feb 25 00:12:07 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	64669	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	223132	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	105541	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	190056	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	148937	20.000	ng	-0.02
86) Perylene-d12	15.386	264	112571	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	186205	45.141	ng	0.00
7) Phenol-d6	6.422	99	216750	41.574	ng	-0.02
23) Nitrobenzene-d5	7.346	82	131270	30.685	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	47602	44.899	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	236797	34.567	ng	-0.02
79) Terphenyl-d14	12.886	244	296969	33.661	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	38569	23.231	ng	99
3) Pyridine	3.222	79	84066	21.279	ng	97
4) n-Nitrosodimethylamine	3.158	42	49590	18.957	ng	92
6) Aniline	6.446	93	59391	12.144	ng	# 78
8) 2-Chlorophenol	6.575	128	94524	21.207	ng	96
9) Benzaldehyde	6.334	77	41363m	14.930	ng	
10) Phenol	6.440	94	113272	20.874	ng	90
11) bis(2-Chloroethyl)ether	6.516	93	87648	21.504	ng	99
12) 1,3-Dichlorobenzene	6.722	146	103412	21.977	ng	96
13) 1,4-Dichlorobenzene	6.798	146	104783	21.795	ng	98
14) 1,2-Dichlorobenzene	6.951	146	96486	21.623	ng	100
15) Benzyl Alcohol	6.928	79	73260	18.324	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	138543	19.857	ng	72
17) 2-Methylphenol	7.046	107	68139	19.535	ng	95
18) Hexachloroethane	7.293	117	39227	22.047	ng	97
19) n-Nitroso-di-n-propyla...	7.193	70	65617	21.041	ng	95
20) 3+4-Methylphenols	7.204	107	92337	20.831	ng	# 68
22) Acetophenone	7.187	105	155989	28.103	ng	# 89
24) Nitrobenzene	7.363	77	89302	21.407	ng	99
25) Isophorone	7.604	82	161775	23.717	ng	97
26) 2-Nitrophenol	7.681	139	41505	19.998	ng	96
27) 2,4-Dimethylphenol	7.728	122	68598	28.293	ng	96
28) bis(2-Chloroethoxy)met...	7.810	93	100657	23.029	ng	99
29) 2,4-Dichlorophenol	7.940	162	66187	20.204	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	77877	21.830	ng	99
31) Naphthalene	8.087	128	258636	22.268	ng	99
32) Benzoic acid	7.828	122	32208	12.789	ng	# 38
33) 4-Chloroaniline	8.145	127	46261	11.408	ng	96
34) Hexachlorobutadiene	8.198	225	48306	22.556	ng	98
35) Caprolactam	8.487	113	24704	24.768	ng	# 82
36) 4-Chloro-3-methylphenol	8.634	107	69978	19.284	ng	99
37) 2-Methylnaphthalene	8.775	142	162929	21.557	ng	99
38) 1-Methylnaphthalene	8.875	142	153681	20.994	ng	99
40) 1,2,4,5-Tetrachloroben...	8.940	216	79186	25.933	ng	98
41) Hexachlorocyclopentadiene	8.922	237	2499	2.461	ng	95
43) 2,4,6-Trichlorophenol	9.063	196	44406	22.501	ng	98

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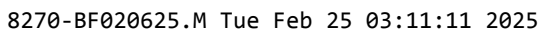
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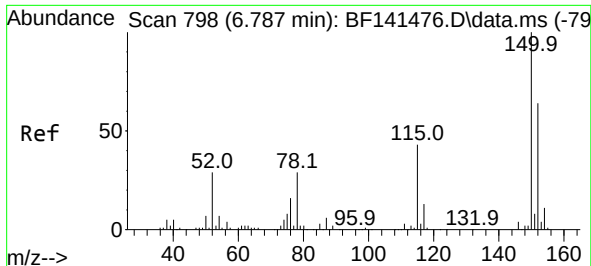
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 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	44298	20.712	ng	# 93
46) 1,1'-Biphenyl	9.240	154	218930	26.756	ng	99
47) 2-Chloronaphthalene	9.263	162	143495	23.716	ng	98
48) 2-Nitroaniline	9.363	65	46635	22.966	ng	98
49) Acenaphthylene	9.675	152	240350	26.707	ng	100
50) Dimethylphthalate	9.534	163	164686	22.985	ng	99
51) 2,6-Dinitrotoluene	9.604	165	31398	20.046	ng	98
52) Acenaphthene	9.845	154	136767	22.605	ng	99
53) 3-Nitroaniline	9.775	138	33970	20.151	ng	# 95
54) 2,4-Dinitrophenol	9.904	184	2464	2.647	ng	# 48
55) Dibenzofuran	10.022	168	196790	22.159	ng	100
56) 4-Nitrophenol	9.969	139	45639	36.469	ng	95
57) 2,4-Dinitrotoluene	10.010	165	42454	20.360	ng	# 97
58) Fluorene	10.363	166	164287	23.925	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	37735	20.493	ng	# 96
60) Diethylphthalate	10.234	149	159582	22.638	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	77405	23.432	ng	96
62) 4-Nitroaniline	10.387	138	38594	22.546	ng	98
63) Azobenzene	10.516	77	156063	22.269	ng	91
65) 4,6-Dinitro-2-methylph...	10.428	198	2966	2.247	ng	# 13
66) n-Nitrosodiphenylamine	10.475	169	137107	22.536	ng	98
67) 4-Bromophenyl-phenylether	10.845	248	46547	21.913	ng	97
68) Hexachlorobenzene	10.916	284	48846	22.332	ng	99
69) Atrazine	11.004	200	54245	29.721	ng	98
70) Pentachlorophenol	11.116	266	49792	35.602	ng	98
71) Phenanthrene	11.328	178	322477	30.824	ng	99
72) Anthracene	11.375	178	270765	25.746	ng	99
73) Carbazole	11.533	167	223498	23.619	ng	100
74) Di-n-butylphthalate	11.863	149	264507	24.208	ng	100
75) Fluoranthene	12.516	202	504837	45.516	ng	99
77) Benzidine	12.645	184	77924	23.723	ng	96
78) Pyrene	12.745	202	546381	43.095	ng	100
80) Butylbenzylphthalate	13.357	149	121178	27.594	ng	99
81) Benzo(a)anthracene	13.933	228	355090	35.866	ng	97
82) 3,3'-Dichlorobenzidine	13.898	252	66129	23.318	ng	99
83) Chrysene	13.969	228	315138	34.473	ng	99
84) Bis(2-ethylhexyl)phtha...	13.916	149	161519	32.611	ng	99
85) Di-n-octyl phthalate	14.527	149	235408	33.317	ng	100
87) Indeno(1,2,3-cd)pyrene	16.827	276	188740	27.135	ng	98
88) Benzo(b)fluoranthene	14.969	252	276249	36.548	ng	# 97
89) Benzo(k)fluoranthene	14.998	252	177427m	27.489	ng	
90) Benzo(a)pyrene	15.327	252	219295	35.855	ng	# 96
91) Dibenzo(a,h)anthracene	16.839	278	126198	22.391	ng	97
92) Benzo(g,h,i)perylene	17.263	276	154973	26.276	ng	98

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

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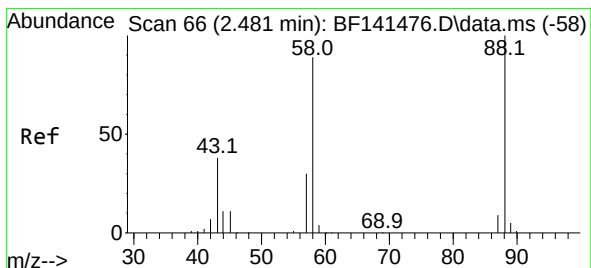
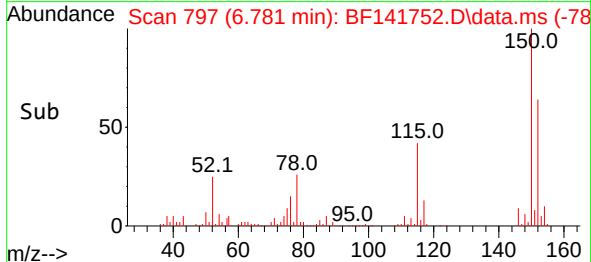
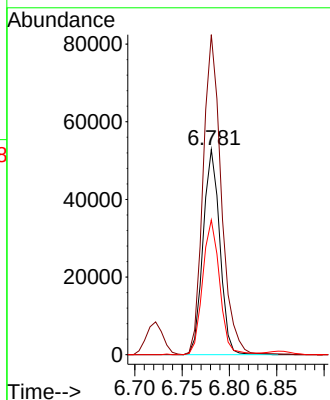
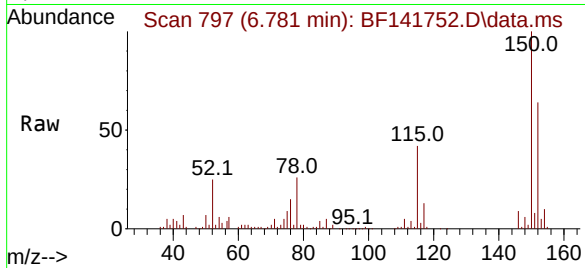




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141752.D
 Acq: 24 Feb 2025 19:06

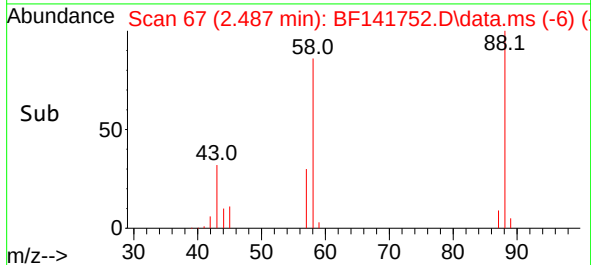
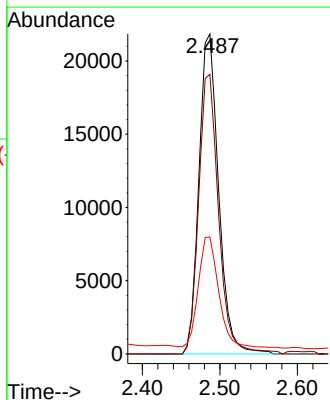
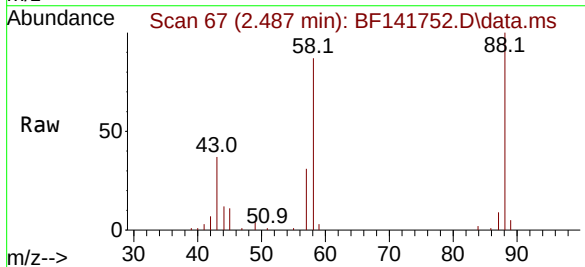
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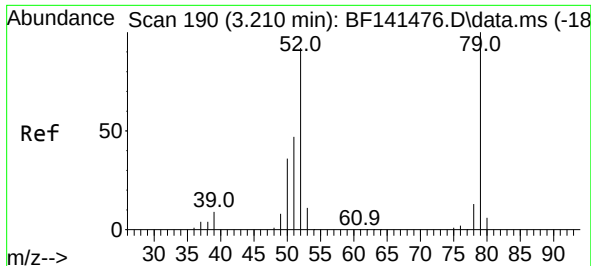
Tgt Ion:152 Resp: 64669
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.0 187.4
 115 65.7 53.6 80.4



#2
 1,4-Dioxane
 Concen: 23.231 ng
 RT: 2.487 min Scan# 67
 Delta R.T. 0.006 min
 Lab File: BF141752.D
 Acq: 24 Feb 2025 19:06

Tgt Ion: 88 Resp: 38569
 Ion Ratio Lower Upper
 88 100
 58 88.4 71.1 106.7
 43 36.2 30.6 46.0

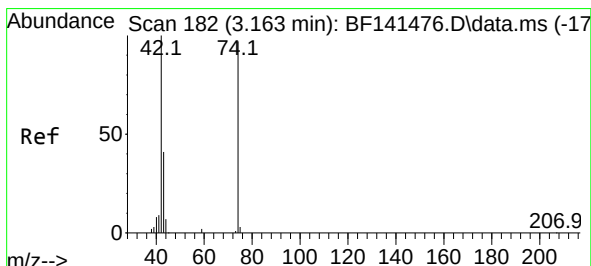
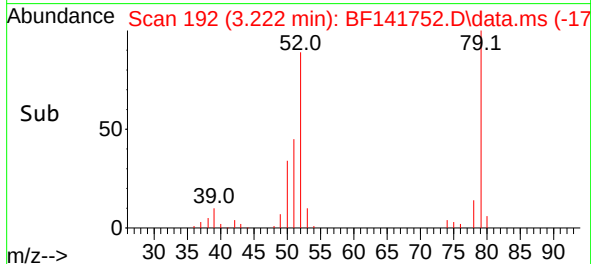
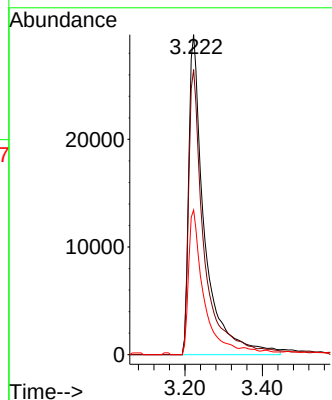
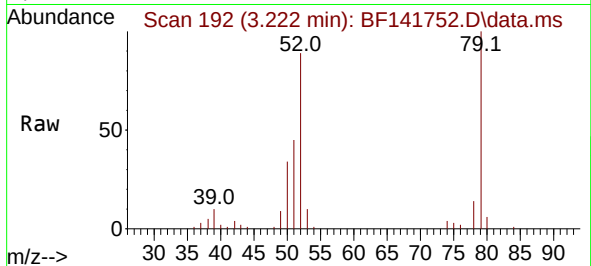




#3
Pyridine
Concen: 21.279 ng
RT: 3.222 min Scan# 19
Delta R.T. 0.006 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

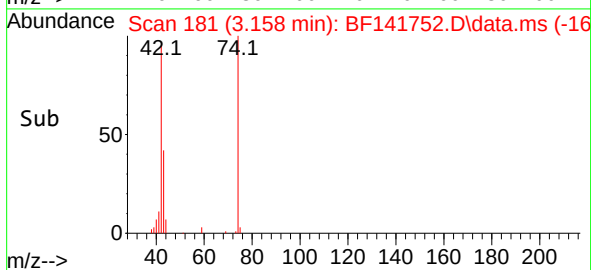
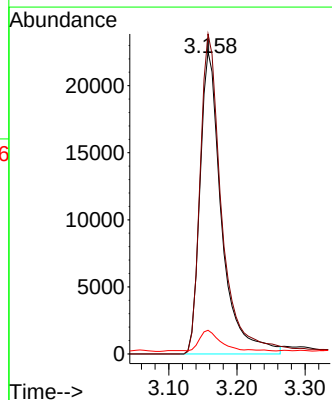
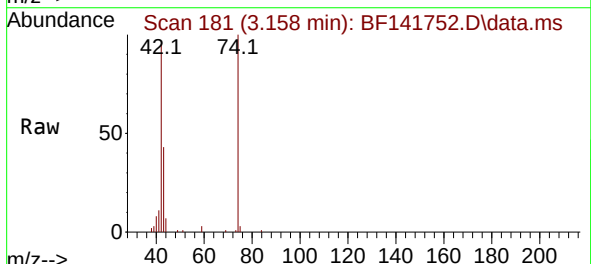
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ClientSampleId :
BU-2-022125MSD

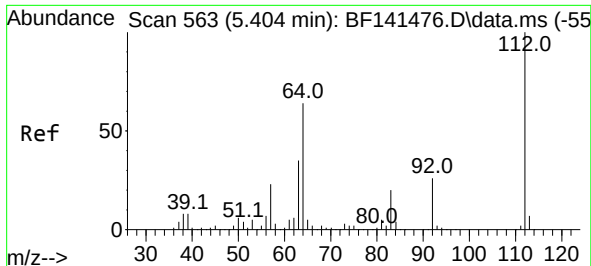
Tgt Ion: 79 Resp: 84066
Ion Ratio Lower Upper
79 100
52 89.1 73.7 110.5
51 45.2 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 18.957 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion: 42 Resp: 49590
Ion Ratio Lower Upper
42 100
74 105.8 78.0 117.0
44 7.8 5.4 8.2

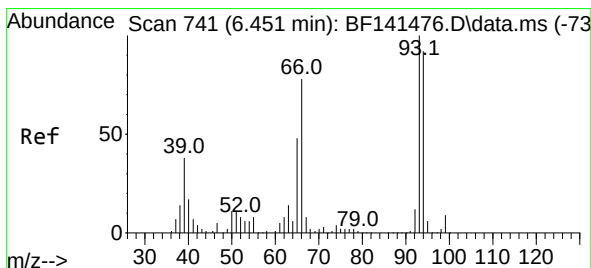
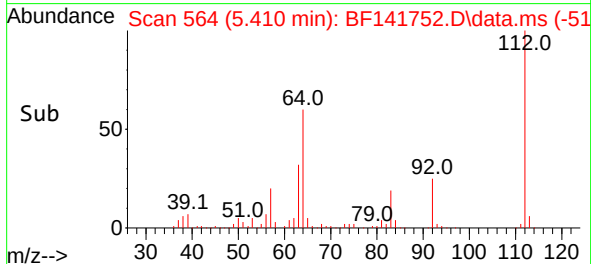
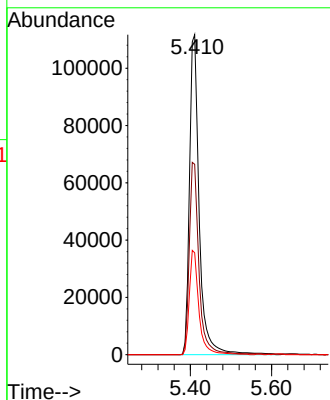
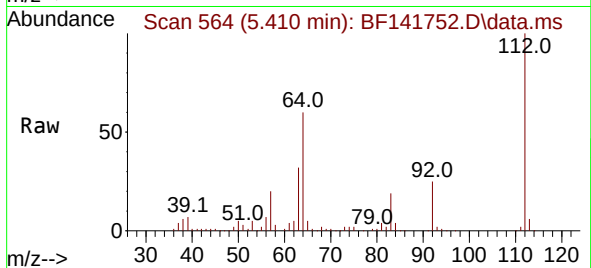




#5
2-Fluorophenol
Concen: 45.141 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

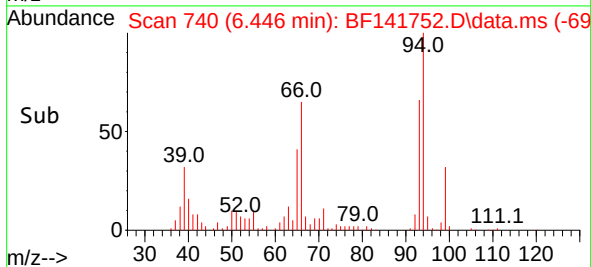
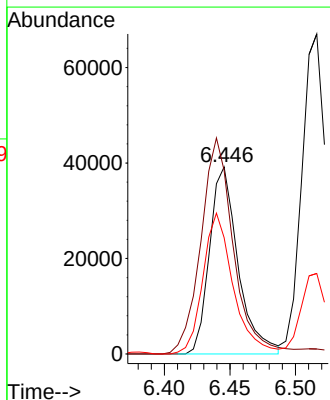
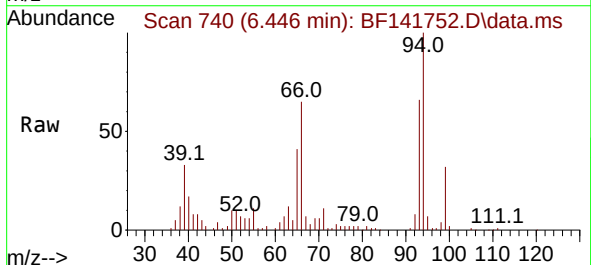
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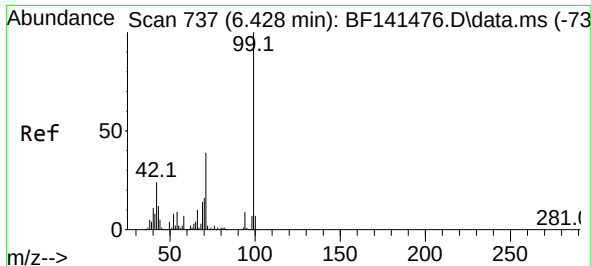
Tgt Ion:112 Resp: 186205
Ion Ratio Lower Upper
112 100
64 59.5 51.1 76.7
63 31.9 28.4 42.6



#6
Aniline
Concen: 12.144 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion: 93 Resp: 59391
Ion Ratio Lower Upper
93 100
66 98.1 62.6 94.0#
65 62.2 38.3 57.5#

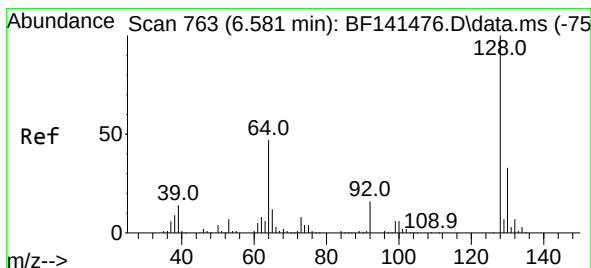
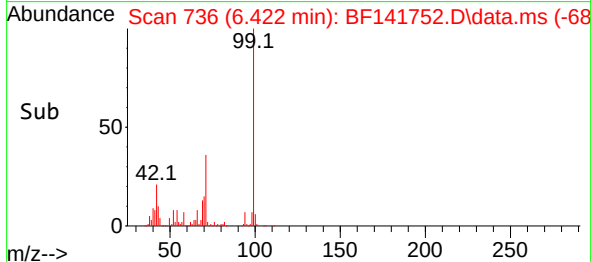
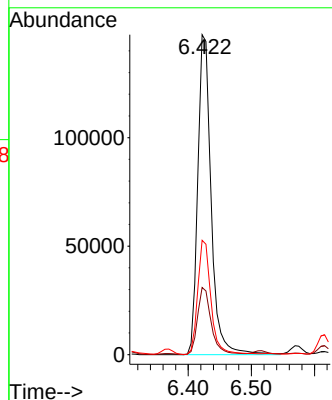
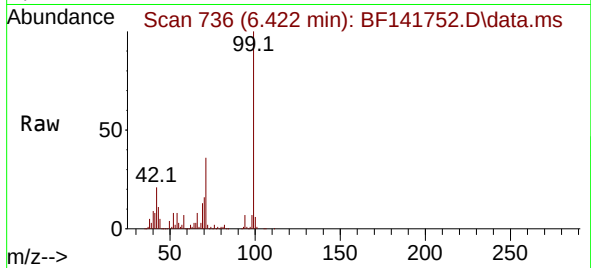




#7
Phenol-d6
Concen: 41.574 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

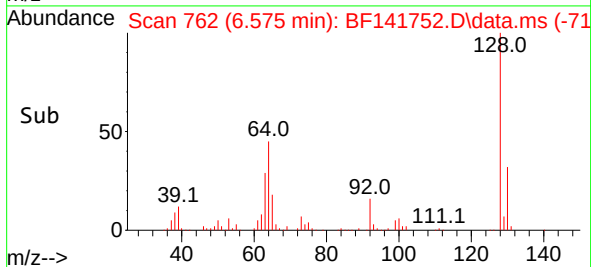
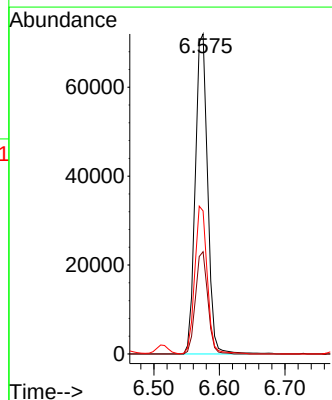
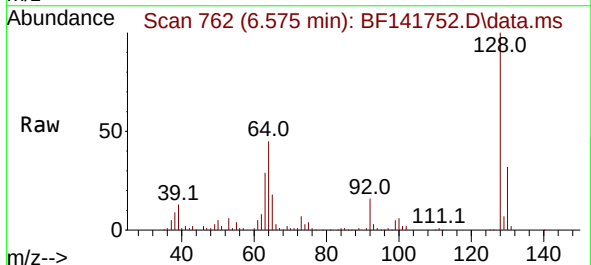
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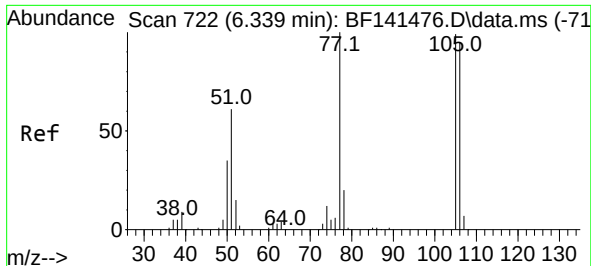
Tgt Ion: 99 Resp: 216750
Ion Ratio Lower Upper
99 100
42 21.0 19.1 28.7
71 35.8 31.1 46.7



#8
2-Chlorophenol
Concen: 21.207 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion: 128 Resp: 94524
Ion Ratio Lower Upper
128 100
130 32.0 12.7 52.7
64 44.7 28.3 68.3

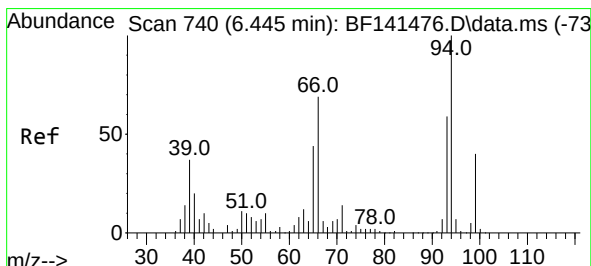
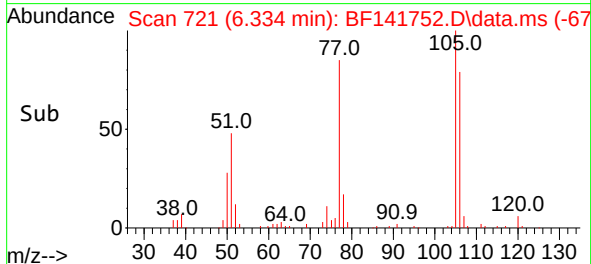
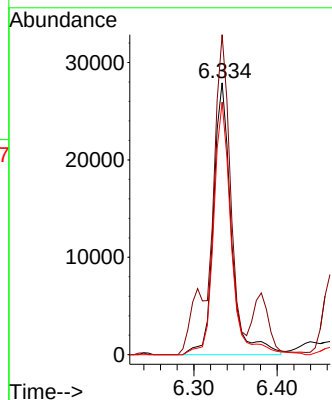
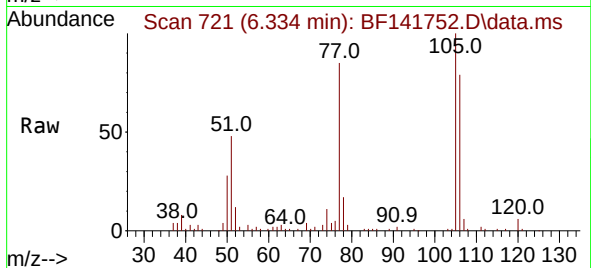




#9
Benzaldehyde
Concen: 14.930 ng m
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

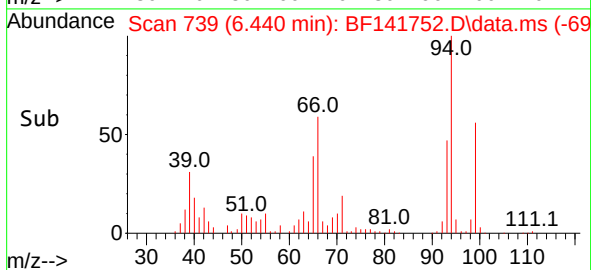
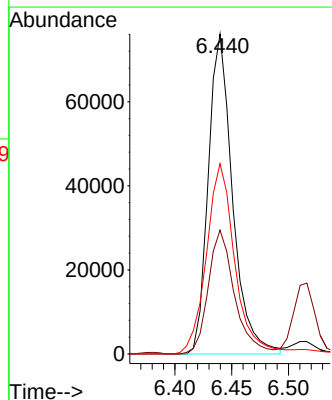
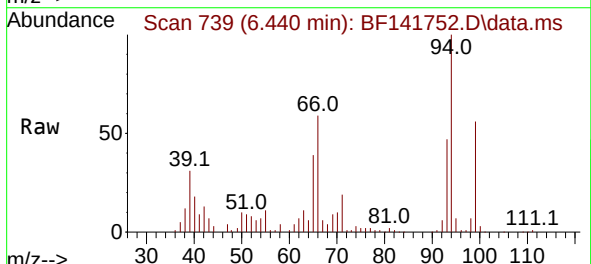
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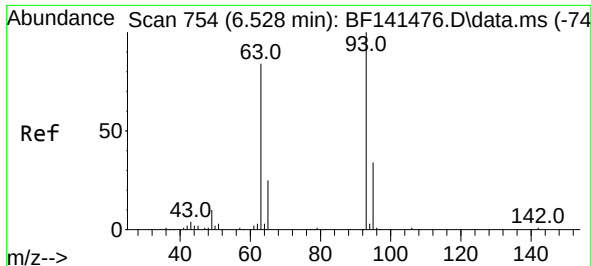
Tgt Ion: 77 Resp: 41363
Ion Ratio Lower Upper
77 100
105 117.7 79.4 119.4
106 92.9 75.1 115.1



#10
Phenol
Concen: 20.874 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion: 94 Resp: 113272
Ion Ratio Lower Upper
94 100
65 38.7 23.7 63.7
66 59.4 49.3 89.3

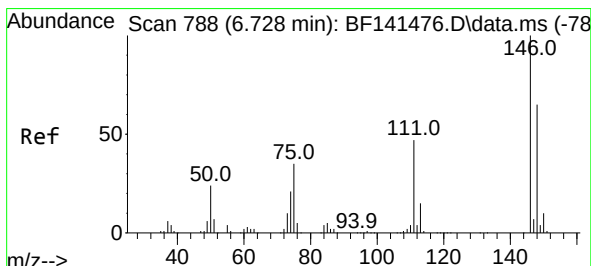
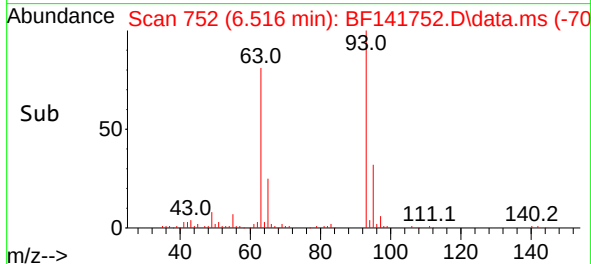
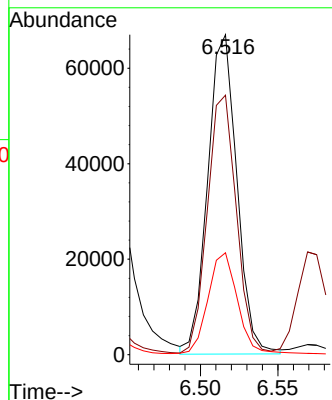
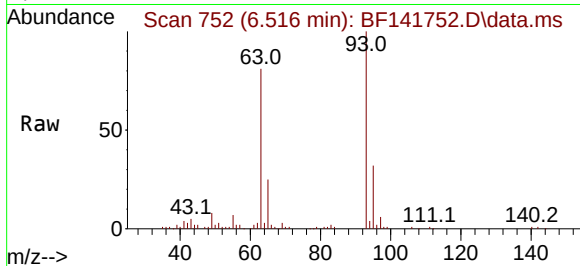




#11
bis(2-Chloroethyl)ether
Concen: 21.504 ng
RT: 6.516 min Scan# 711
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

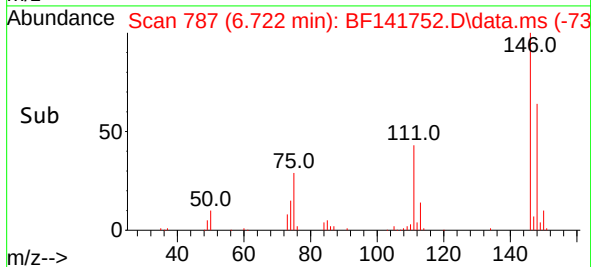
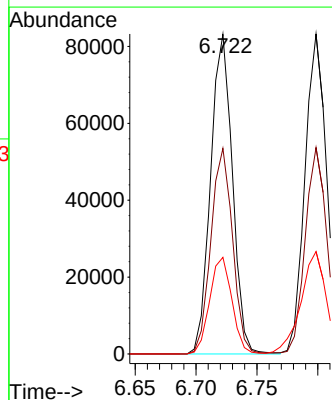
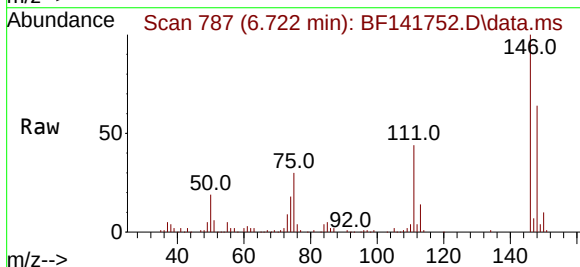
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

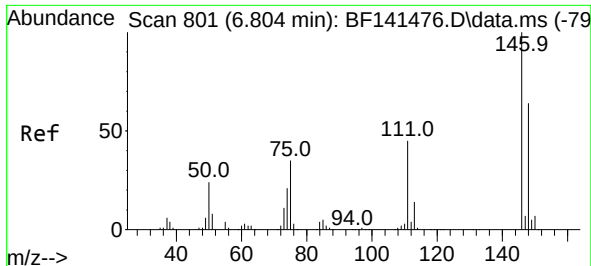
Tgt Ion: 93 Resp: 87648
Ion Ratio Lower Upper
93 100
63 81.1 62.0 102.0
95 31.9 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 21.977 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:146 Resp: 103412
Ion Ratio Lower Upper
146 100
148 64.3 51.9 77.9
75 30.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 21.795 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.011 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

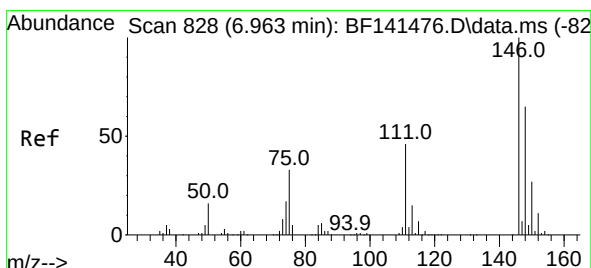
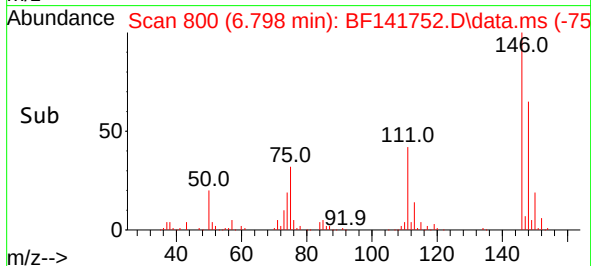
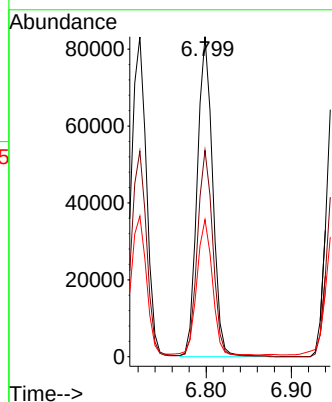
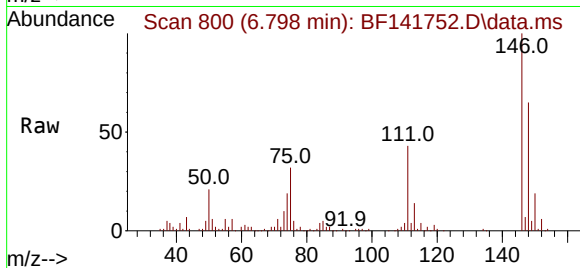
Tgt Ion:146 Resp: 104783

Ion Ratio Lower Upper

146 100

148 64.5 50.9 76.3

111 42.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 21.623 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.011 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

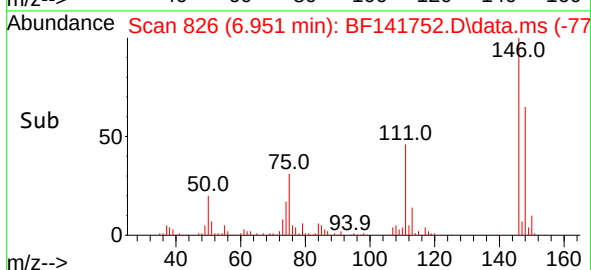
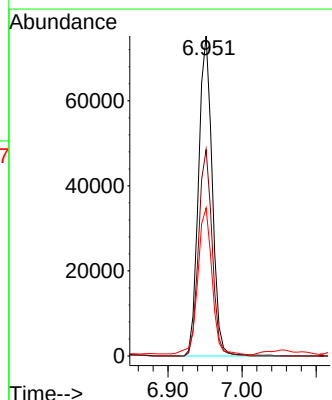
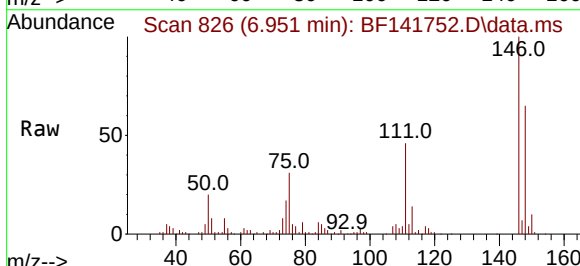
Tgt Ion:146 Resp: 96486

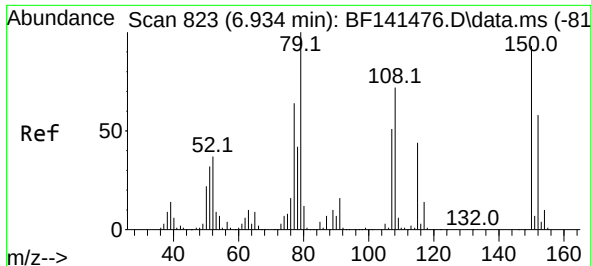
Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.6

111 46.3 37.0 55.4

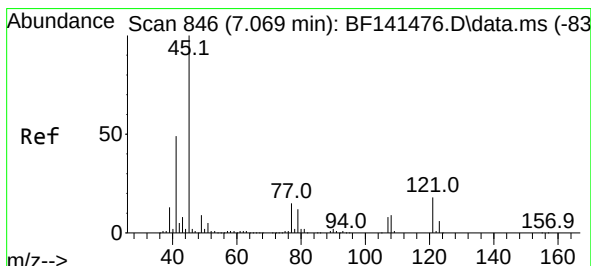
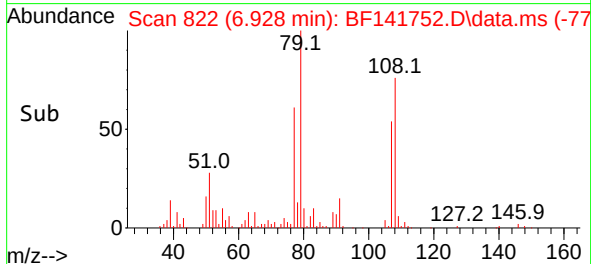
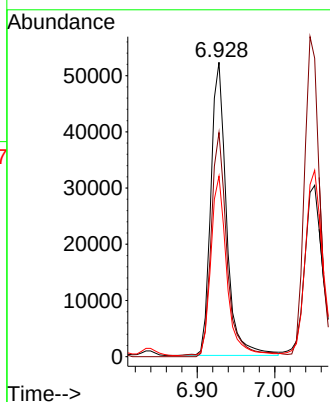
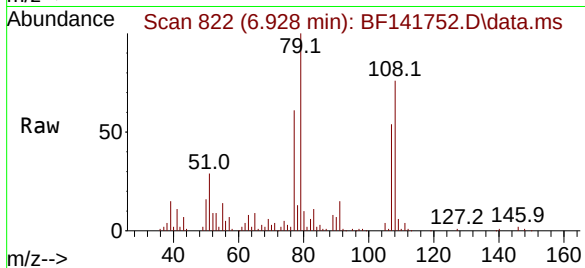




#15
Benzyl Alcohol
Concen: 18.324 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

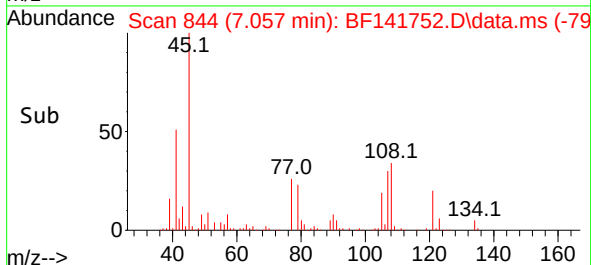
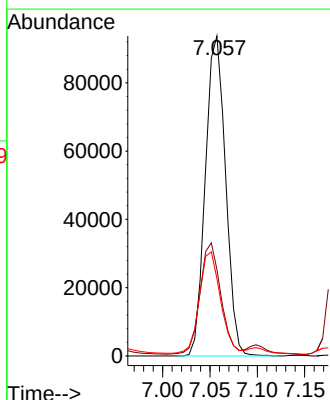
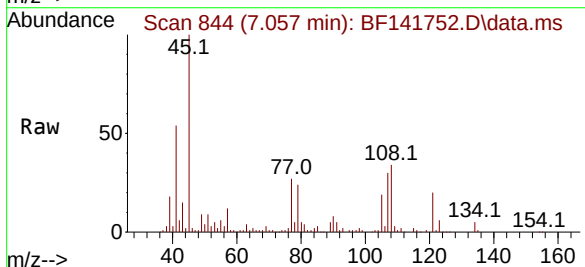
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

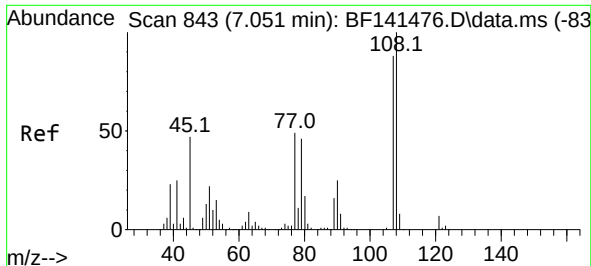
Tgt Ion: 79 Resp: 73260
Ion Ratio Lower Upper
79 100
108 76.1 57.4 86.2
77 61.3 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.857 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion: 45 Resp: 138543
Ion Ratio Lower Upper
45 100
77 27.0 0.0 35.8
79 24.2 0.0 32.7

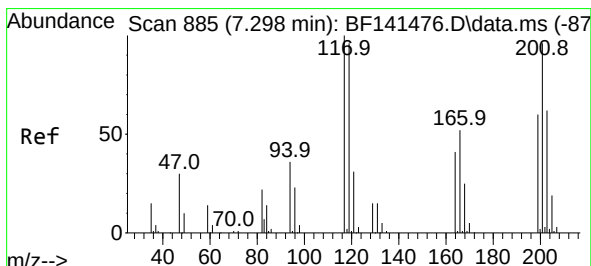
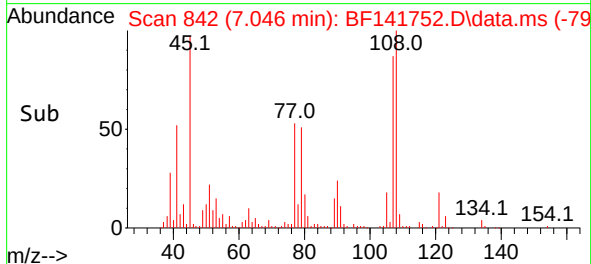
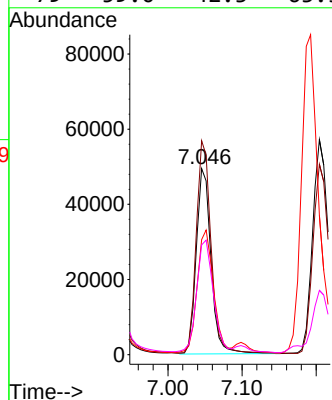
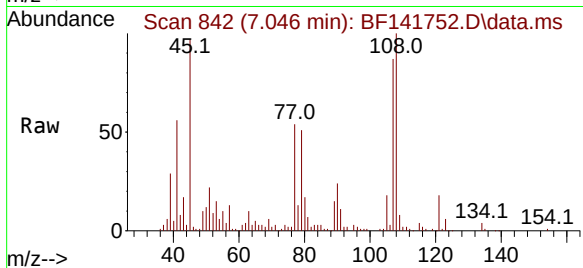




#17
2-Methylphenol
Concen: 19.535 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

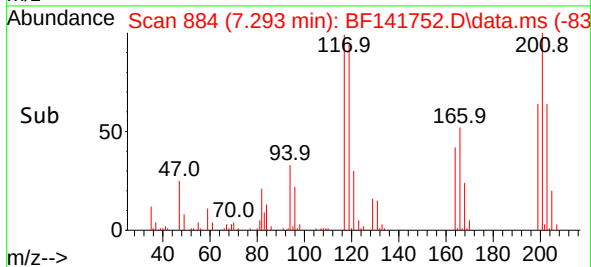
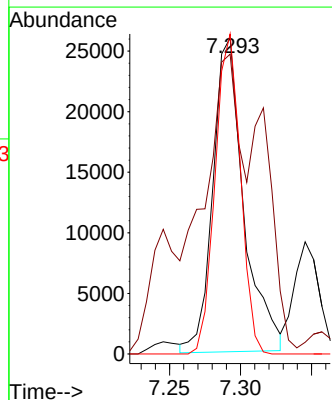
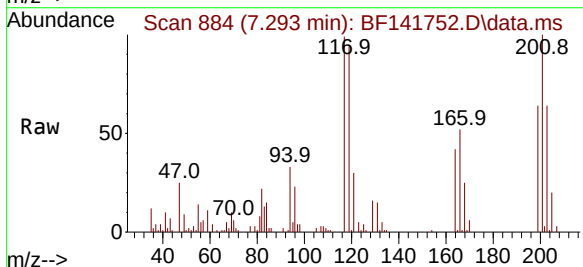
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

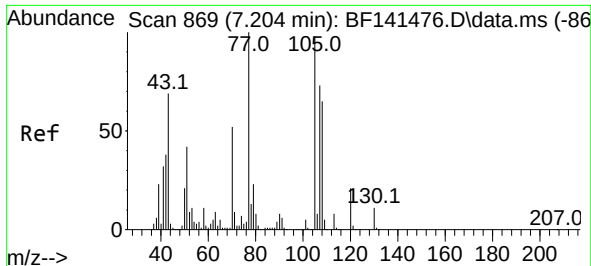
Tgt Ion:107	Resp:	68139
Ion	Ratio	Lower Upper
107	100	
108	115.0	90.6 136.0
77	61.8	44.4 66.6
79	59.0	42.3 63.5



#18
Hexachloroethane
Concen: 22.047 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

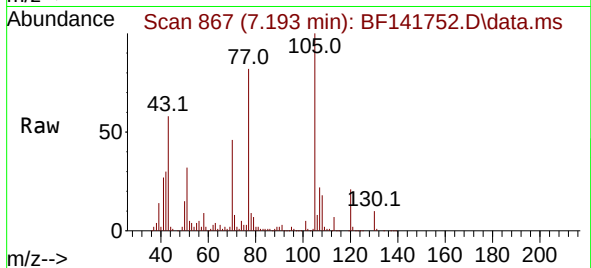
Tgt Ion:117	Resp:	39227
Ion	Ratio	Lower Upper
117	100	
119	94.9	76.5 114.7
201	101.3	76.7 115.1



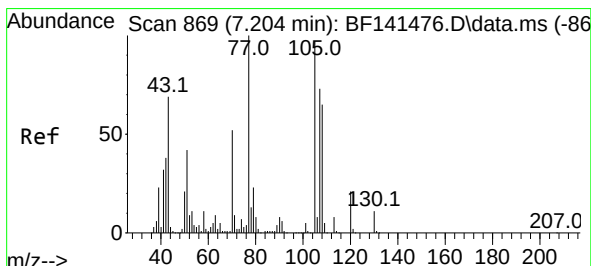
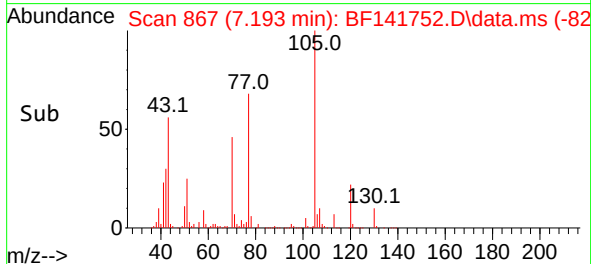
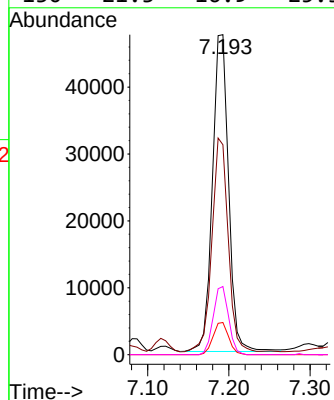


#19
n-Nitroso-di-n-propylamine
Concen: 21.041 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

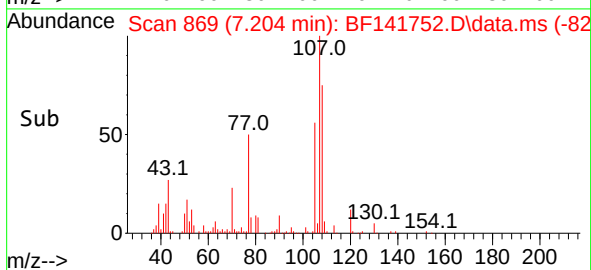
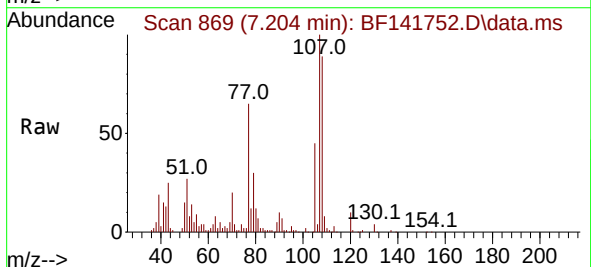
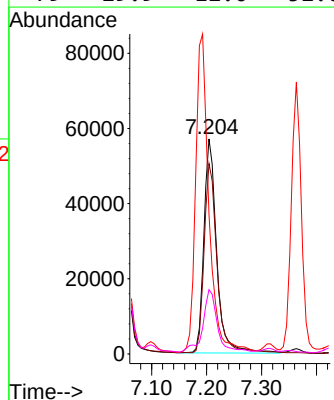


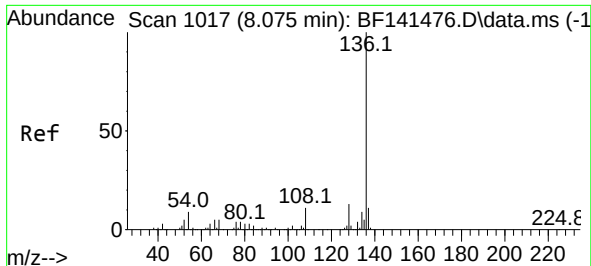
Tgt Ion:	70	Resp:	65617
Ion Ratio	Lower	Upper	
70	100		
42	65.6	57.4	86.2
101	10.0	8.0	12.0
130	21.3	16.9	25.3



#20
3+4-Methylphenols
Concen: 20.831 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:	107	Resp:	92337
Ion Ratio	Lower	Upper	
107	100		
108	88.5	68.5	108.5
77	64.7	116.5	156.5#
79	29.9	12.0	52.0

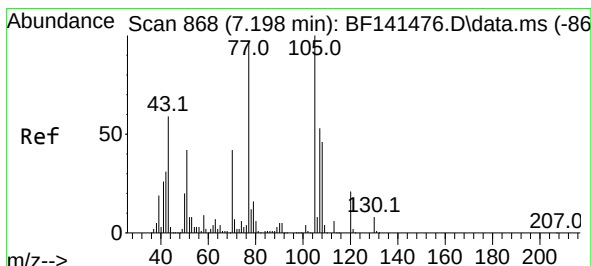
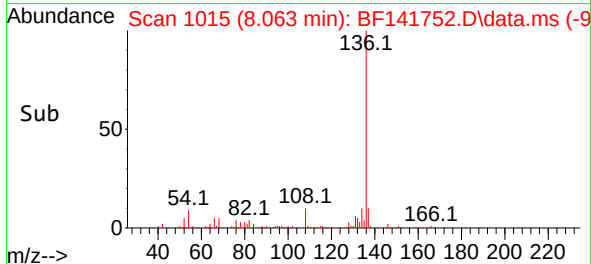
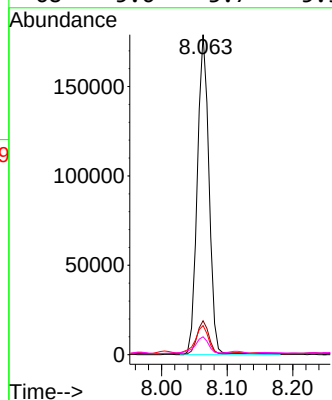
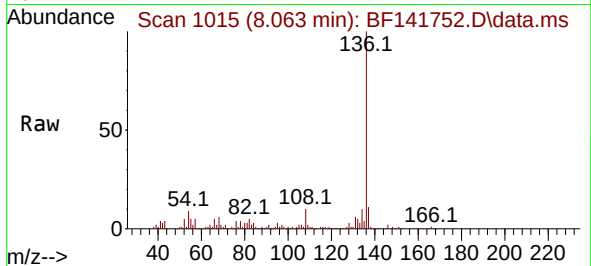




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

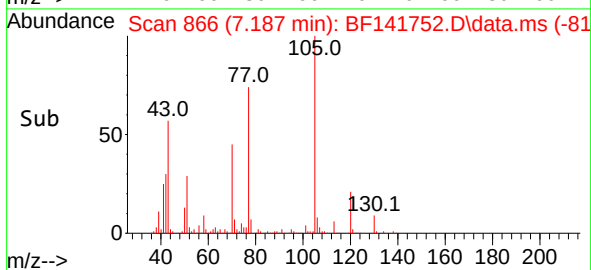
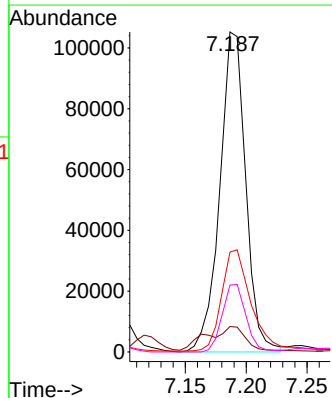
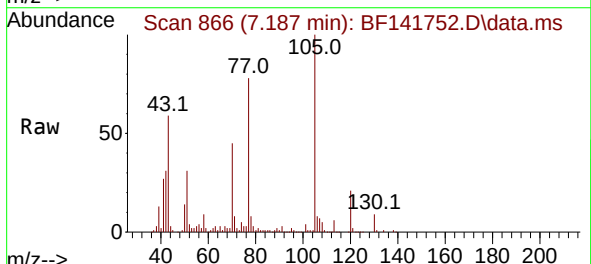
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

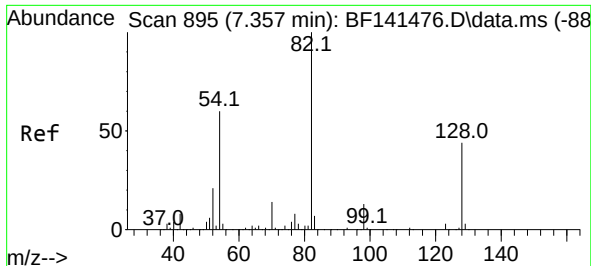
Tgt Ion:136 Resp: 223132
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.1 7.2 10.8
68 5.6 3.7 5.5#



#22
Acetophenone
Concen: 28.103 ng
RT: 7.187 min Scan# 866
Delta R.T. -0.023 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:105 Resp: 155989
Ion Ratio Lower Upper
105 100
71 8.0 5.7 8.5
51 31.2 33.7 50.5#
120 20.9 17.0 25.6





#23

Nitrobenzene-d5

Concen: 30.685 ng

RT: 7.346 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

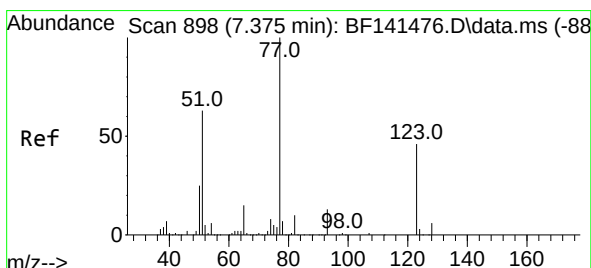
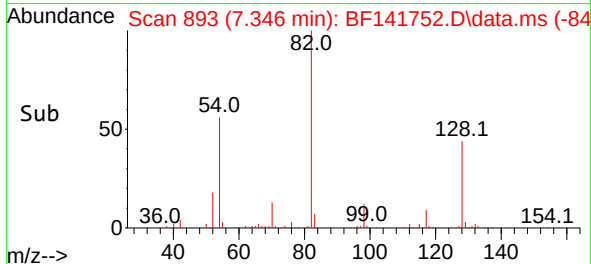
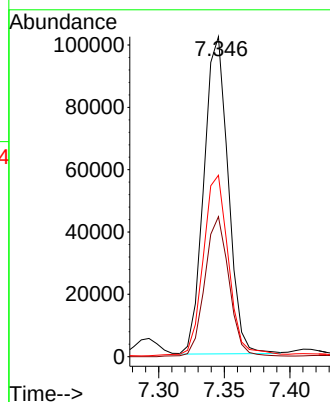
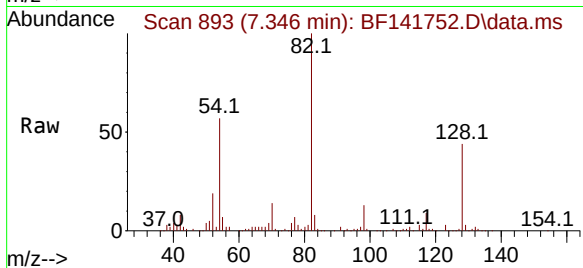
Tgt Ion: 82 Resp: 131270

Ion Ratio Lower Upper

82 100

128 43.7 34.8 52.2

54 56.7 48.2 72.4



#24

Nitrobenzene

Concen: 21.407 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

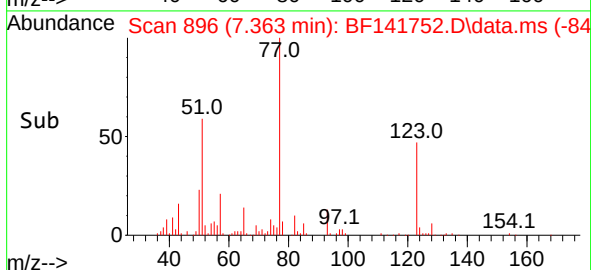
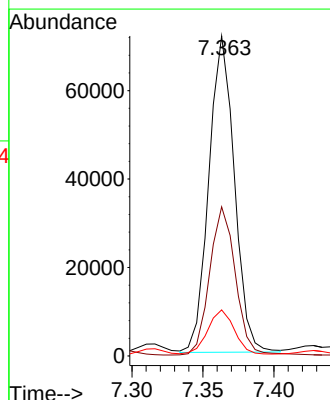
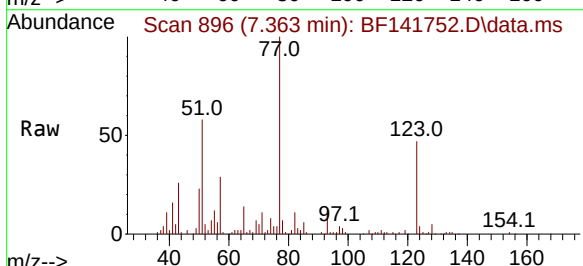
Tgt Ion: 77 Resp: 89302

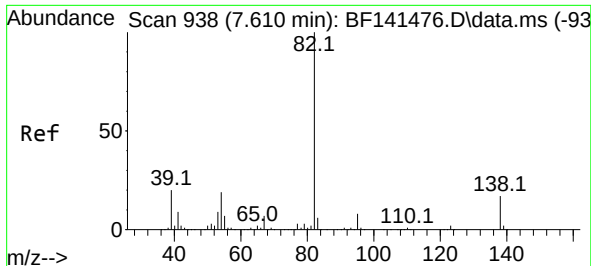
Ion Ratio Lower Upper

77 100

123 46.6 36.9 55.3

65 14.4 11.9 17.9

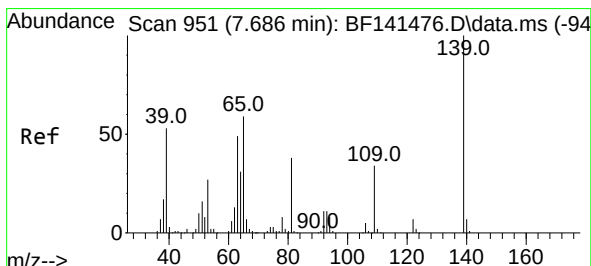
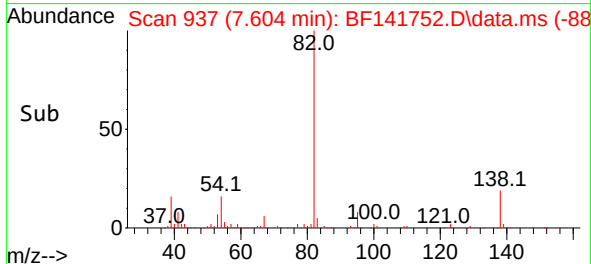
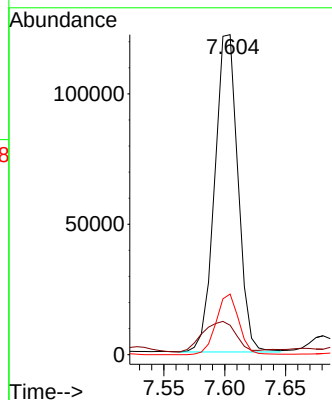
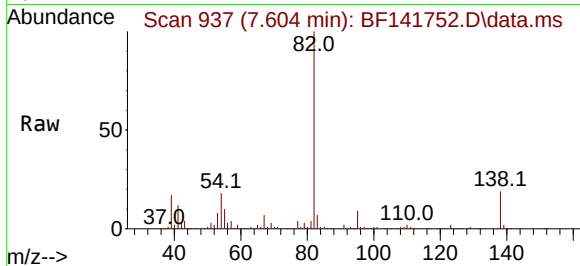




#25
Isophorone
Concen: 23.717 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

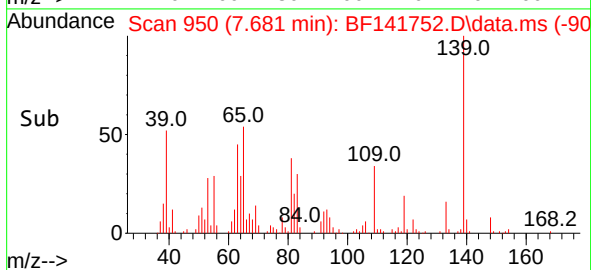
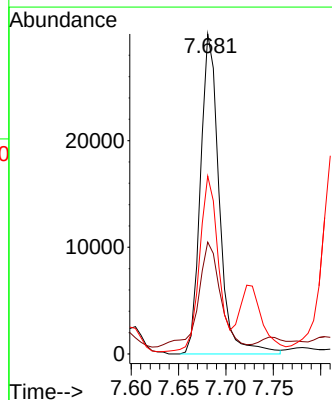
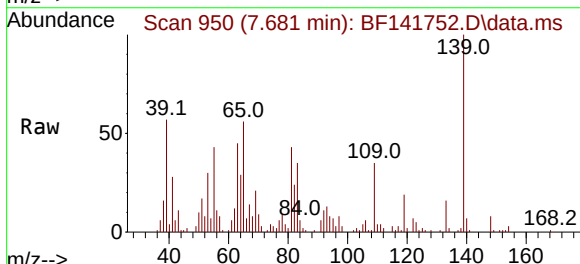
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

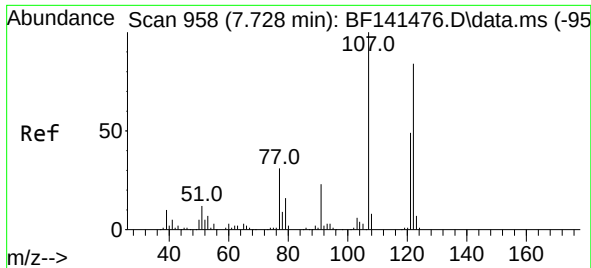
Tgt Ion: 82 Resp: 161775
Ion Ratio Lower Upper
82 100
95 9.2 6.4 9.6
138 18.9 13.9 20.9



#26
2-Nitrophenol
Concen: 19.998 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion: 139 Resp: 41505
Ion Ratio Lower Upper
139 100
109 34.9 27.0 40.6
65 55.6 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 28.293 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

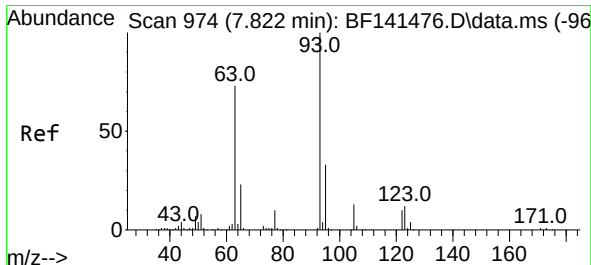
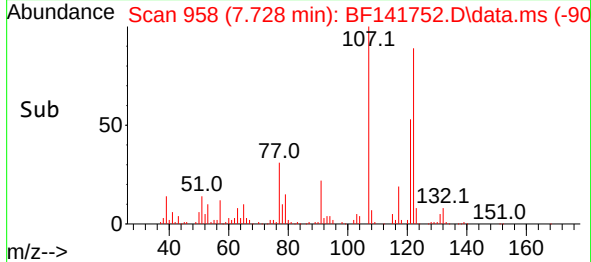
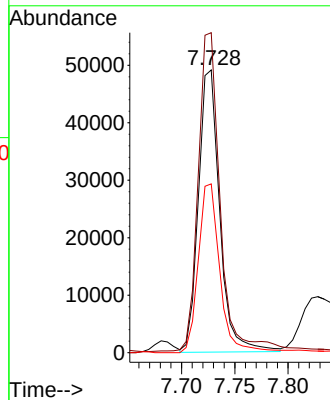
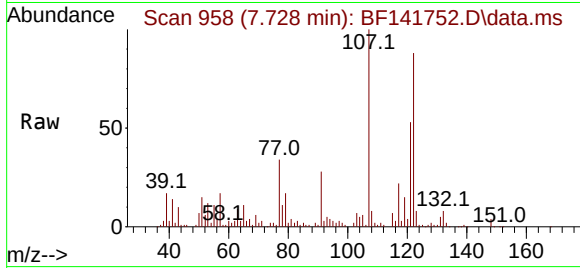
Tgt Ion:122 Resp: 68598

Ion Ratio Lower Upper

122 100

107 113.2 94.3 141.5

121 59.7 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 23.029 ng

RT: 7.810 min Scan# 972

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

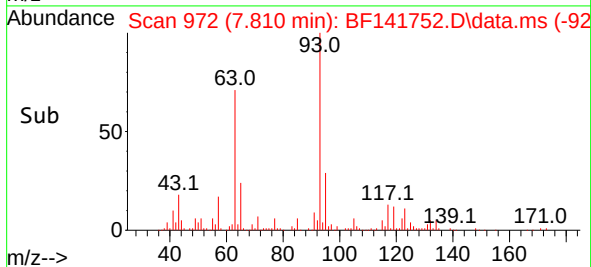
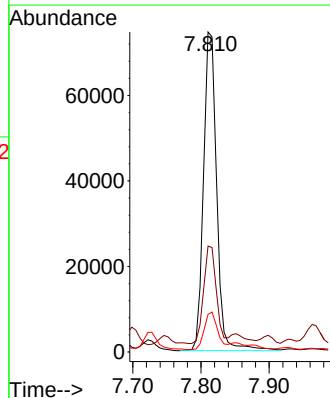
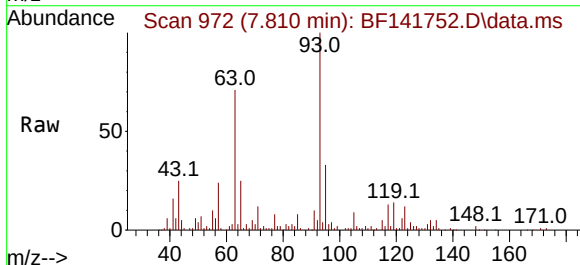
Tgt Ion: 93 Resp: 100657

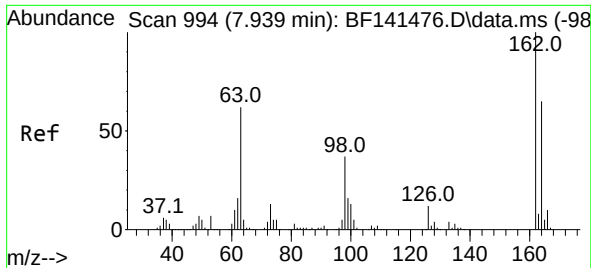
Ion Ratio Lower Upper

93 100

95 33.1 26.1 39.1

123 11.7 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 20.204 ng

RT: 7.940 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141752.D

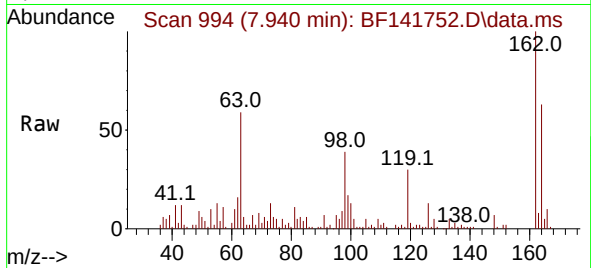
Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD



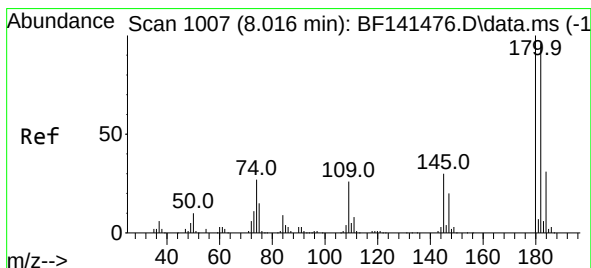
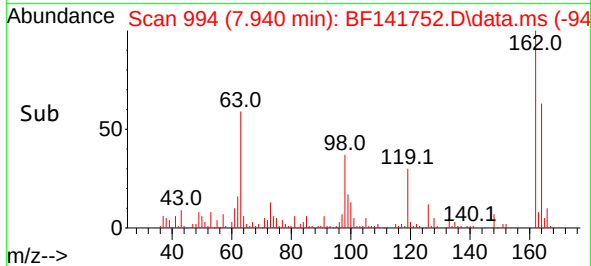
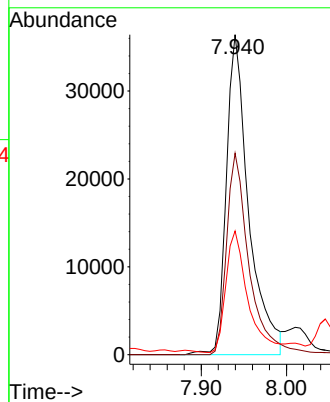
Tgt Ion:162 Resp: 66187

Ion Ratio Lower Upper

162 100

164 63.0 44.6 84.6

98 38.7 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 21.830 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.011 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

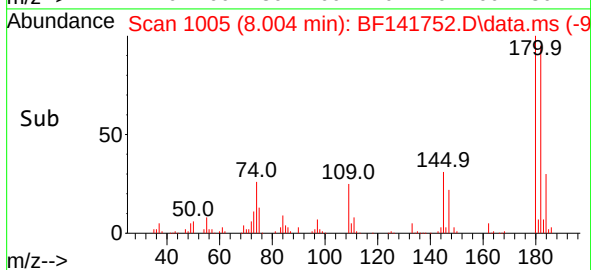
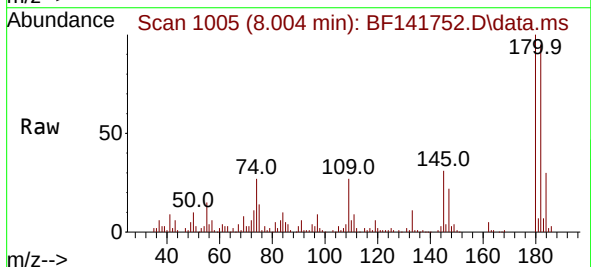
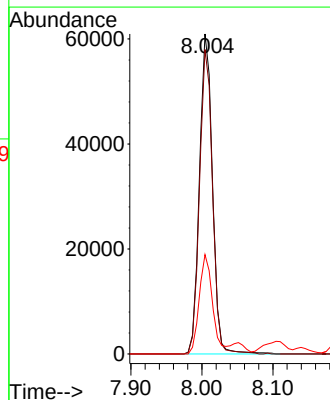
Tgt Ion:180 Resp: 77877

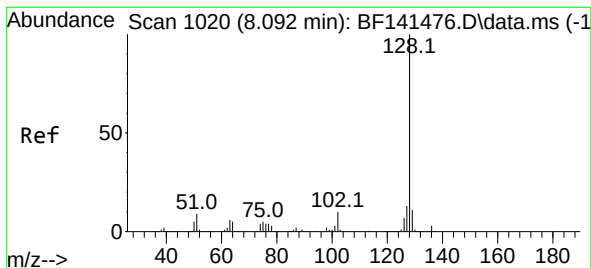
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

145 31.1 24.2 36.4





#31

Naphthalene

Concen: 22.268 ng

RT: 8.087 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

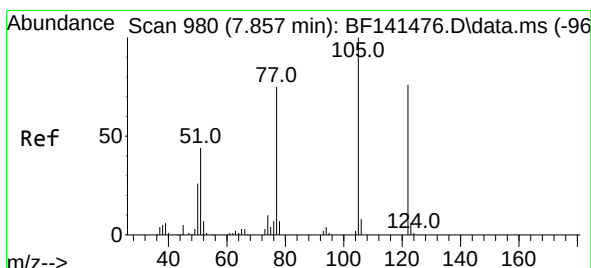
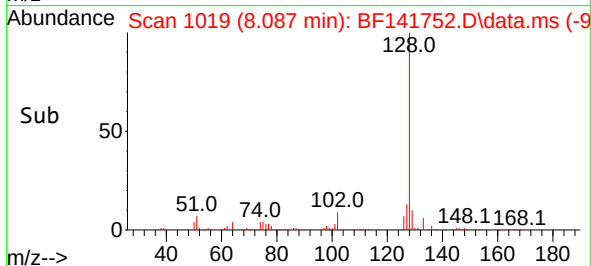
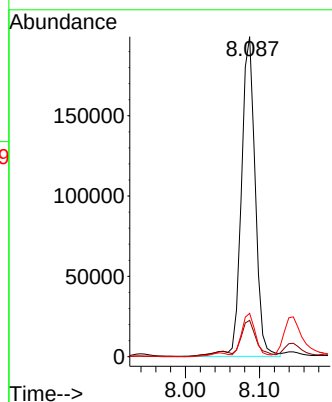
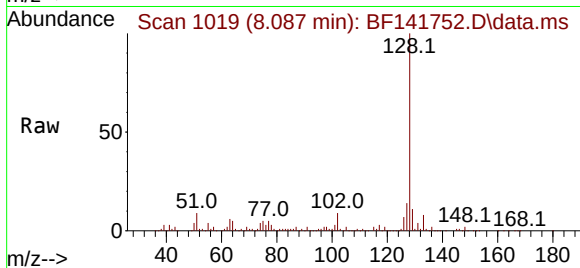
Tgt Ion:128 Resp: 258636

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

127 13.6 10.7 16.1



#32

Benzoic acid

Concen: 12.789 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.064 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

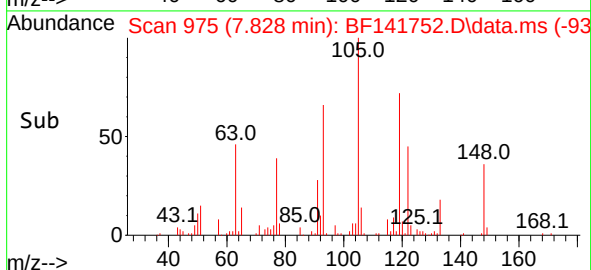
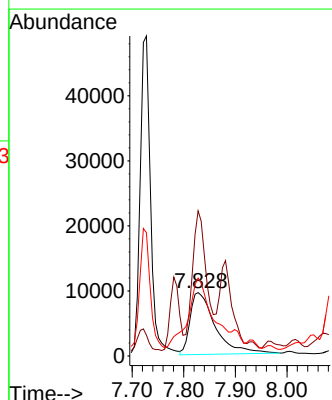
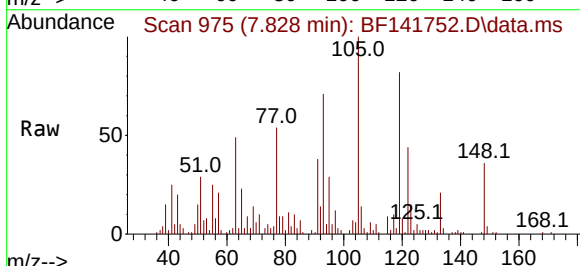
Tgt Ion:122 Resp: 32208

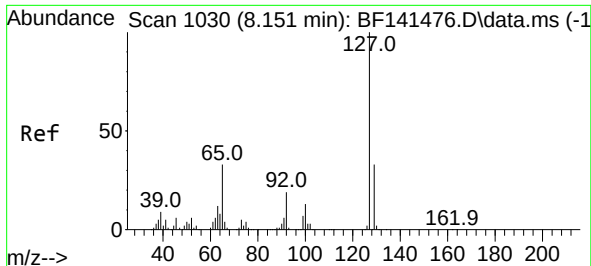
Ion Ratio Lower Upper

122 100

105 228.8 106.5 146.5#

77 122.9 76.3 116.3#

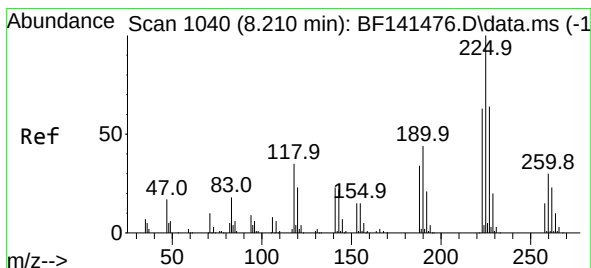
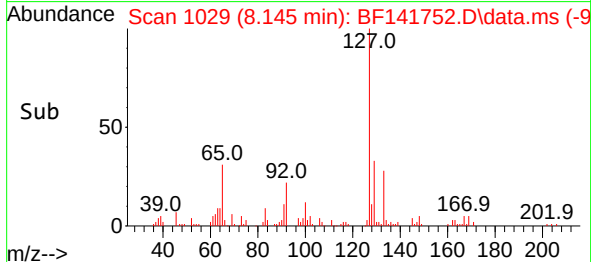
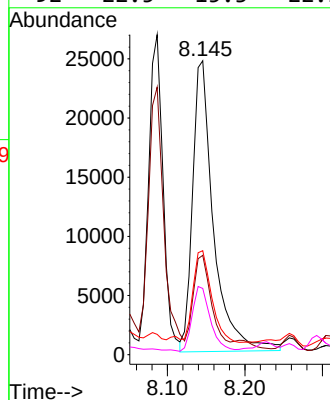
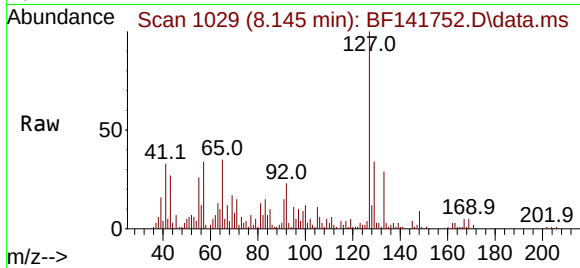




#33
4-Chloroaniline
Concen: 11.408 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

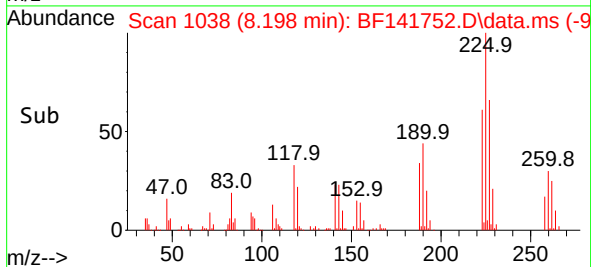
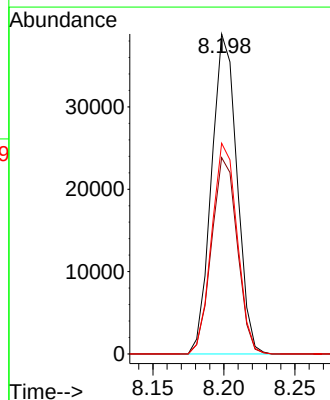
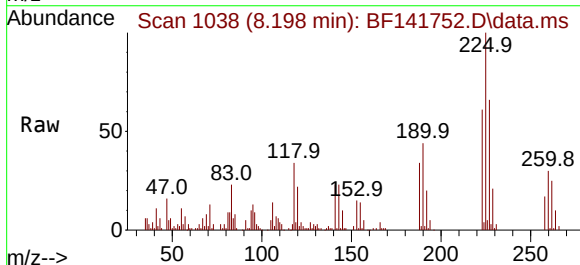
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

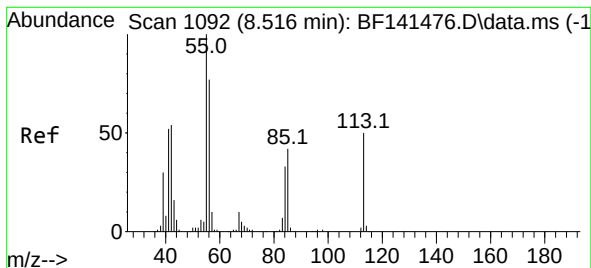
Tgt Ion:127	Resp:	46261
Ion Ratio	Lower	Upper
127	100	
129	33.8	26.5 39.7
65	35.4	26.4 39.6
92	22.5	15.3 22.9



#34
Hexachlorobutadiene
Concen: 22.556 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:225	Resp:	48306
Ion Ratio	Lower	Upper
225	100	
223	61.4	50.1 75.1
227	65.9	51.0 76.6





#35

Caprolactam

Concen: 24.768 ng

RT: 8.487 min Scan# 1092

Delta R.T. -0.059 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

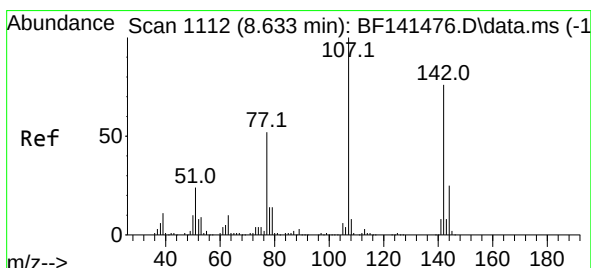
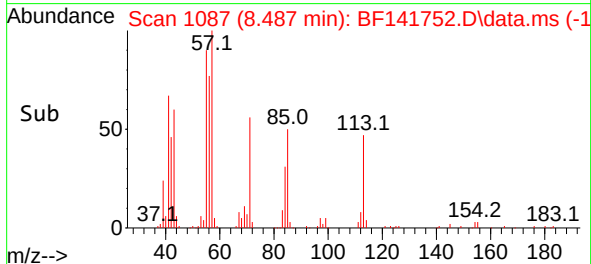
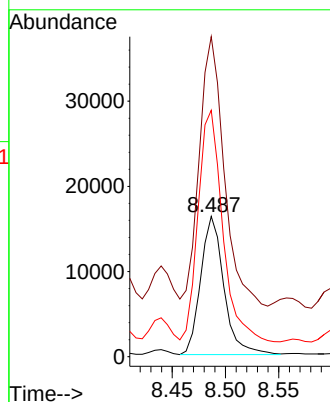
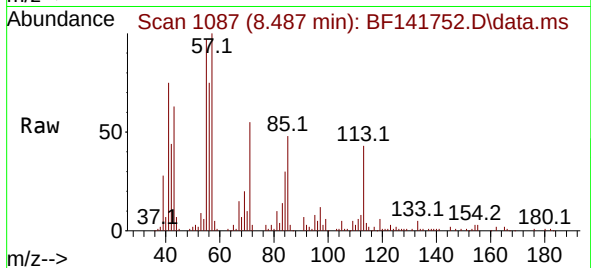
Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

Tgt Ion:	113	Resp:	24704
Ion	Ratio	Lower	Upper
113	100		
55	228.1	180.8	220.8#
56	175.7	133.6	173.6#



#36

4-Chloro-3-methylphenol

Concen: 19.284 ng

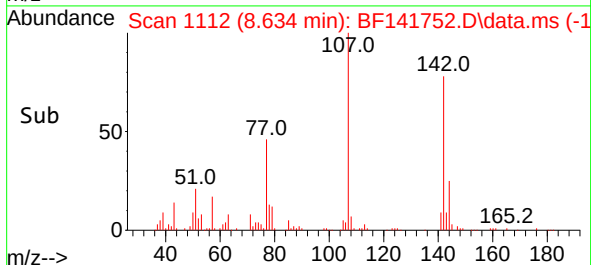
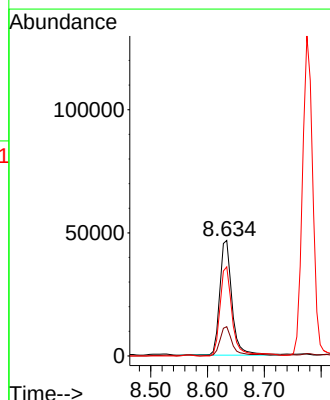
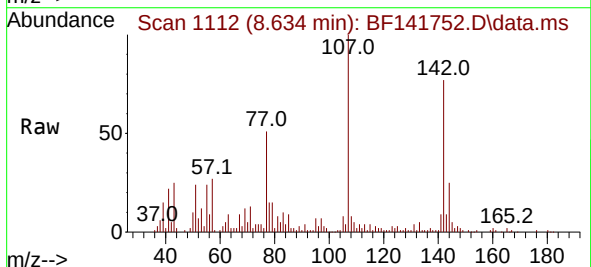
RT: 8.634 min Scan# 1112

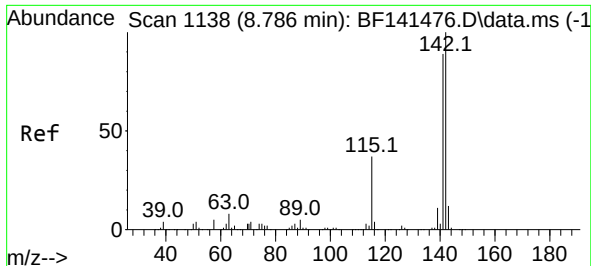
Delta R.T. -0.006 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Tgt Ion:	107	Resp:	69978
Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.7	29.5
142	77.2	60.8	91.2





#37

2-Methylnaphthalene

Concen: 21.557 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.011 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

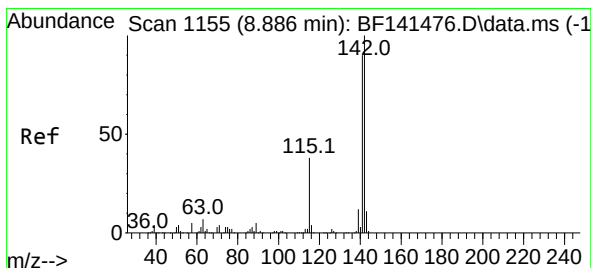
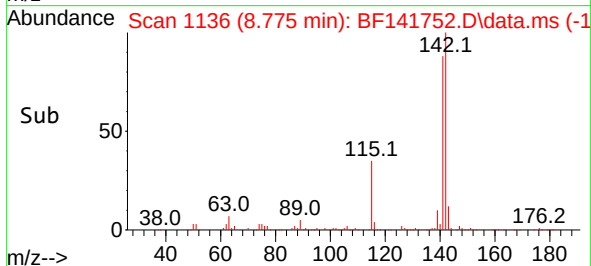
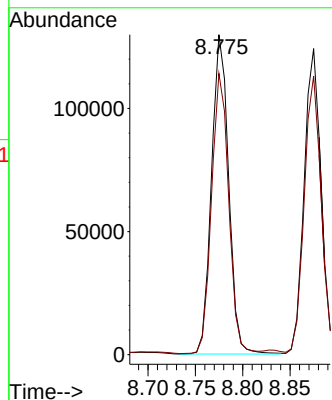
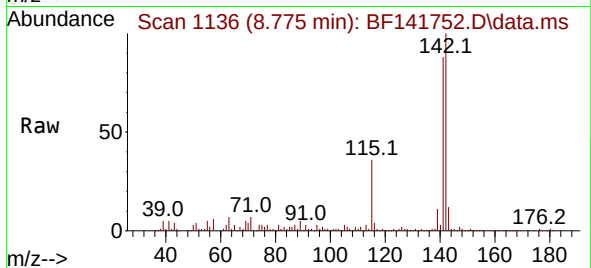
BU-2-022125MSD

Tgt Ion:142 Resp: 162929

Ion Ratio Lower Upper

142 100

141 87.9 71.2 106.8



#38

1-Methylnaphthalene

Concen: 20.994 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF141752.D

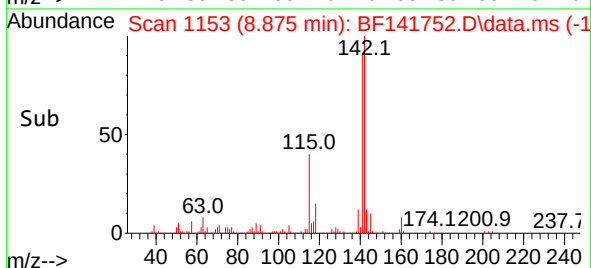
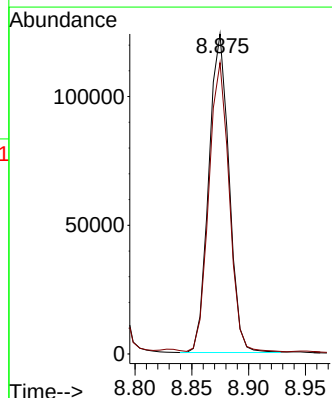
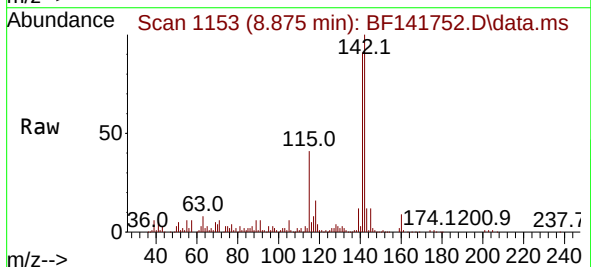
Acq: 24 Feb 2025 19:06

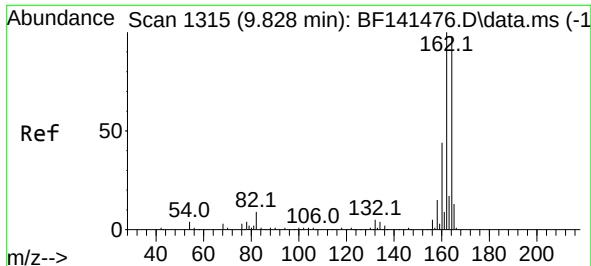
Tgt Ion:142 Resp: 153681

Ion Ratio Lower Upper

142 100

141 91.1 72.1 108.1

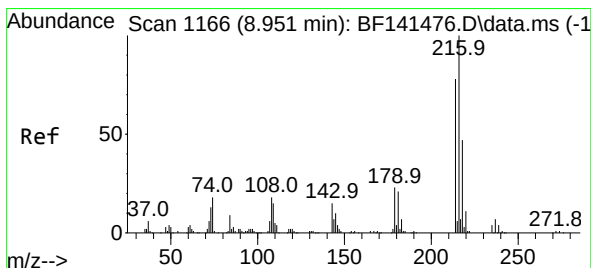
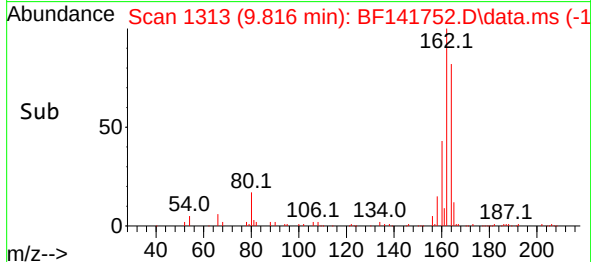
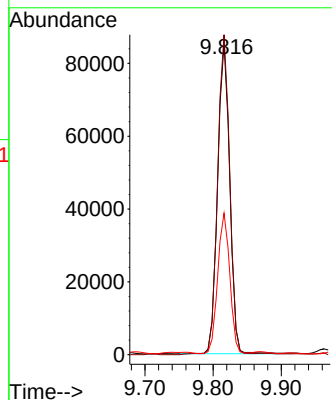
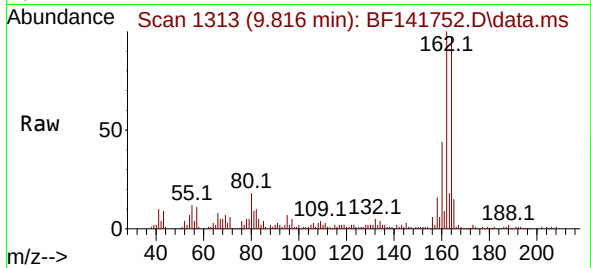




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1164
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

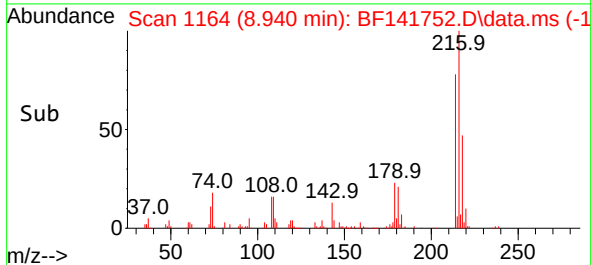
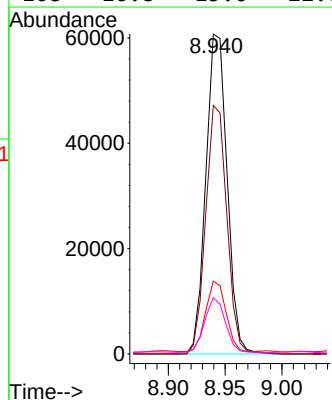
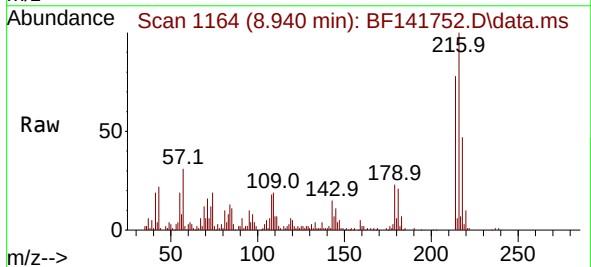
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

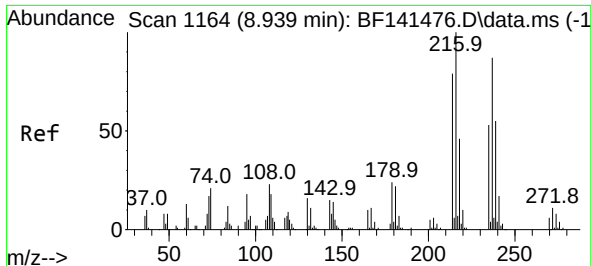
Tgt Ion:164 Resp: 105541
Ion Ratio Lower Upper
164 100
162 102.9 81.3 121.9
160 45.5 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 25.933 ng
RT: 8.940 min Scan# 1164
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

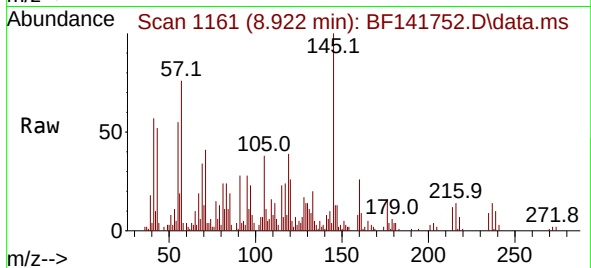
Tgt Ion:216 Resp: 79186
Ion Ratio Lower Upper
216 100
214 77.2 62.3 93.5
179 21.0 18.0 27.0
108 16.8 15.0 22.6



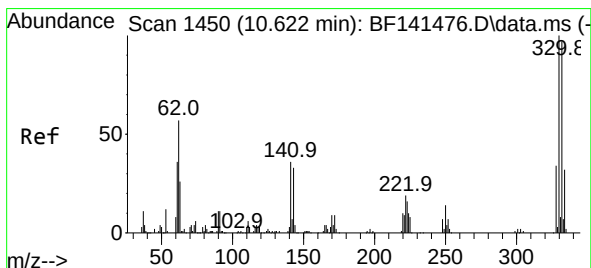
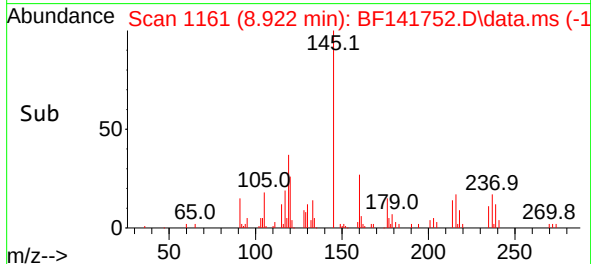
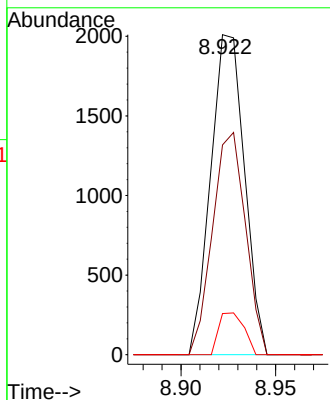


#41
Hexachlorocyclopentadiene
Concen: 2.461 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

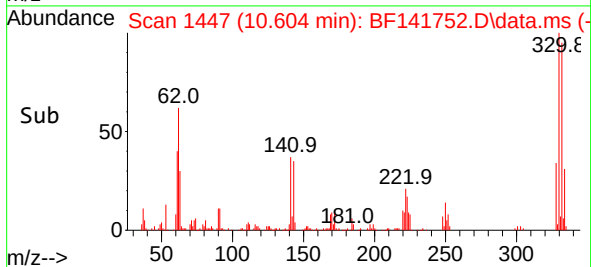
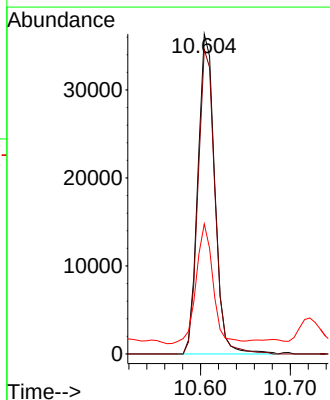
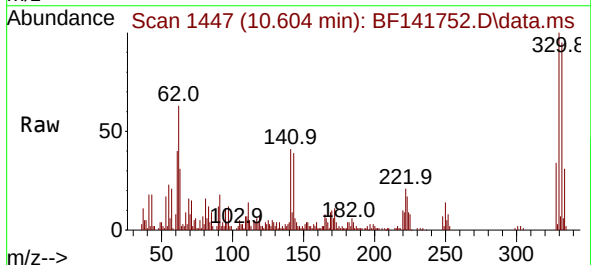


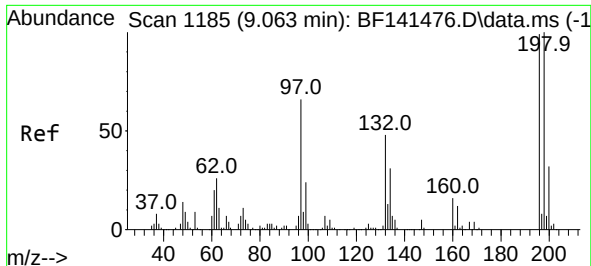
Tgt Ion:237 Resp: 2499
Ion Ratio Lower Upper
237 100
235 65.6 41.4 81.4
272 12.9 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 44.899 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:330 Resp: 47602
Ion Ratio Lower Upper
330 100
332 95.3 78.5 117.7
141 37.3 31.0 46.4

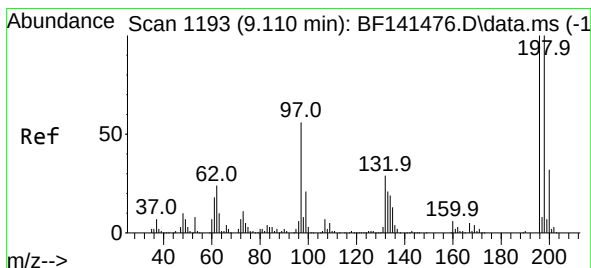
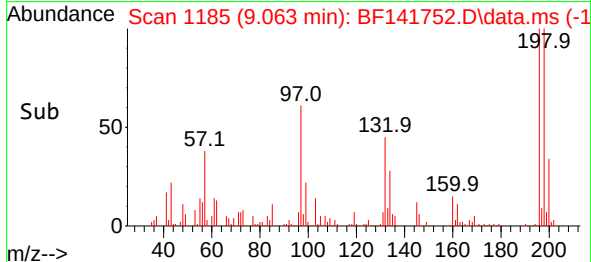
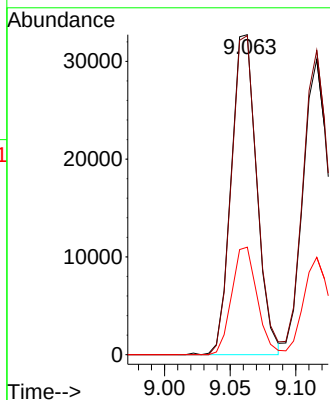
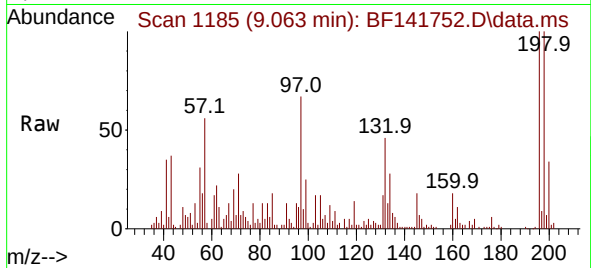




#43
 2,4,6-Trichlorophenol
 Concen: 22.501 ng
 RT: 9.063 min Scan# 1185
 Delta R.T. -0.006 min
 Lab File: BF141752.D
 Acq: 24 Feb 2025 19:06

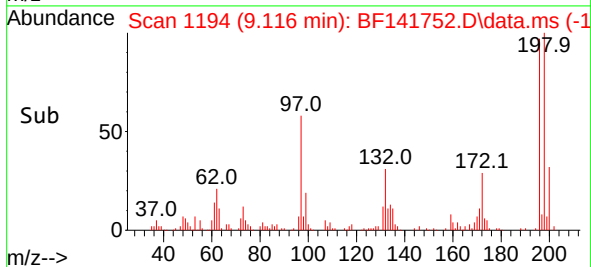
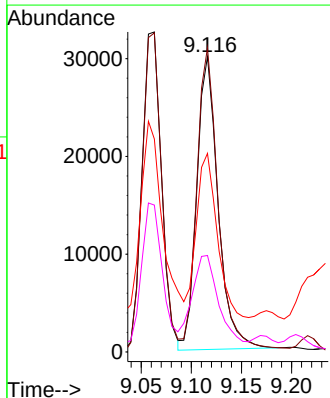
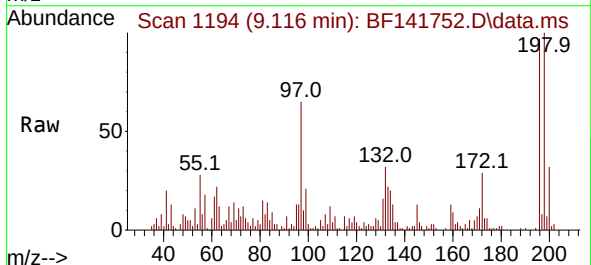
Instrument :
 BNA_F
 ClientSampleId :
 BU-2-022125MSD

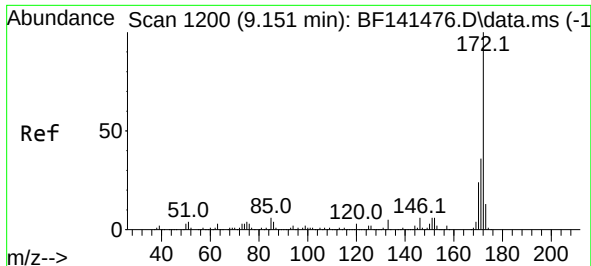
Tgt Ion:196 Resp: 44406
 Ion Ratio Lower Upper
 196 100
 198 99.7 80.6 121.0
 200 33.6 25.5 38.3



#44
 2,4,5-Trichlorophenol
 Concen: 20.712 ng
 RT: 9.116 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: BF141752.D
 Acq: 24 Feb 2025 19:06

Tgt Ion:196 Resp: 44298
 Ion Ratio Lower Upper
 196 100
 198 103.0 79.8 119.8
 97 67.2 44.8 67.2#
 132 32.7 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 34.567 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

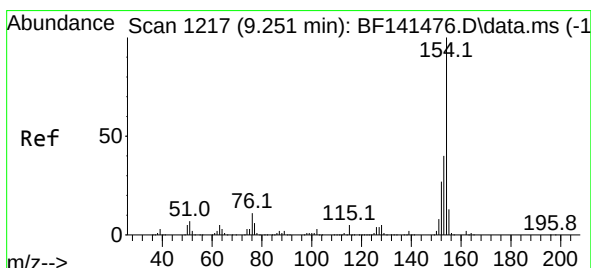
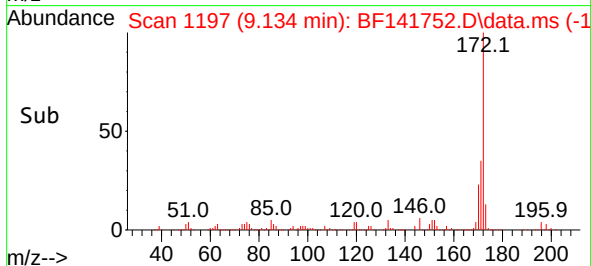
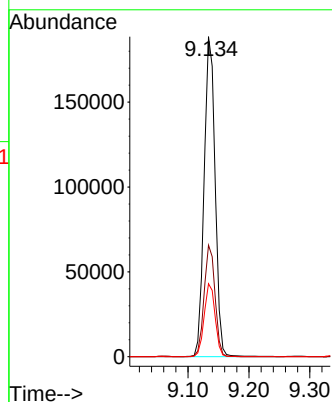
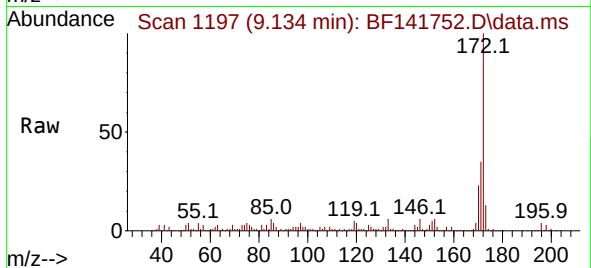
Tgt Ion:172 Resp: 236797

Ion Ratio Lower Upper

172 100

171 34.9 28.7 43.1

170 22.8 18.9 28.3



#46

1,1'-Biphenyl

Concen: 26.756 ng

RT: 9.240 min Scan# 1215

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

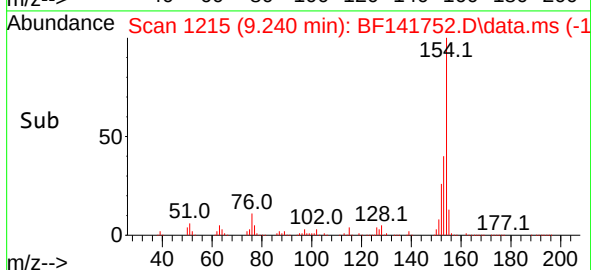
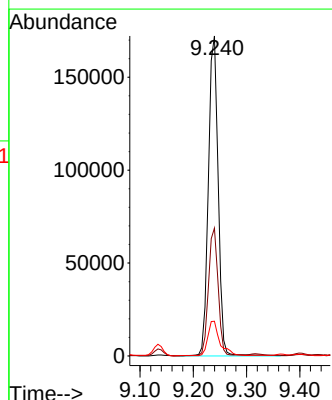
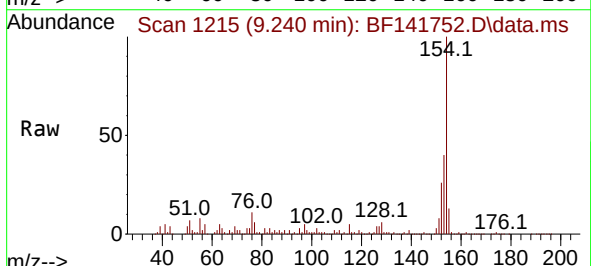
Tgt Ion:154 Resp: 218930

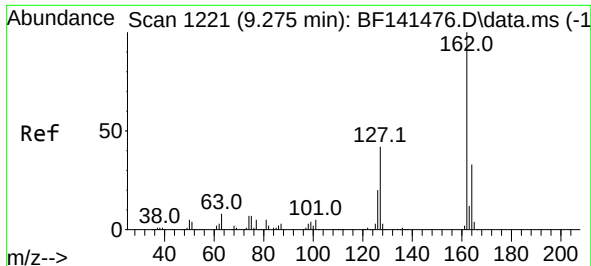
Ion Ratio Lower Upper

154 100

153 39.9 20.4 60.4

76 10.9 0.0 30.8





#47

2-Chloronaphthalene

Concen: 23.716 ng

RT: 9.263 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

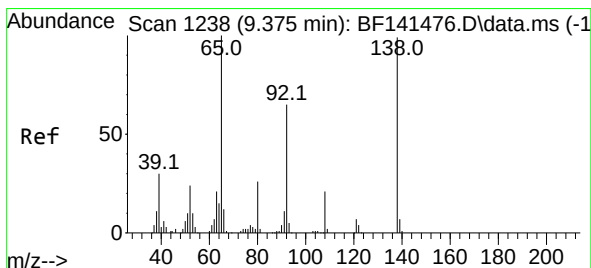
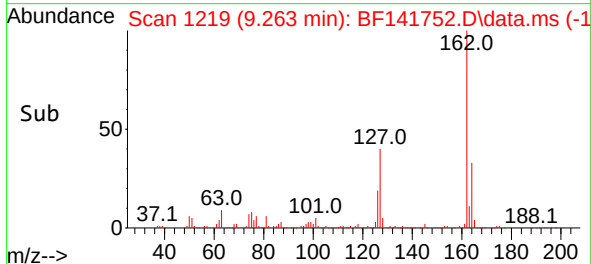
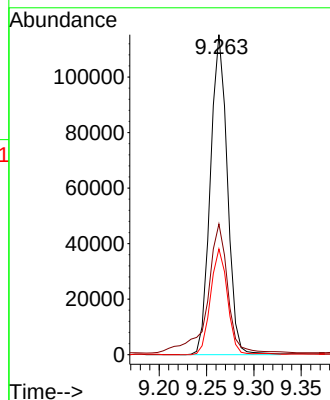
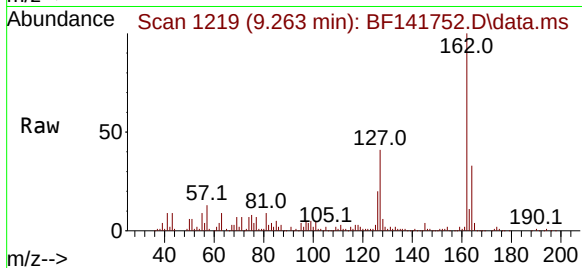
Tgt Ion:162 Resp: 143495

Ion Ratio Lower Upper

162 100

127 40.9 34.1 51.1

164 33.1 26.3 39.5



#48

2-Nitroaniline

Concen: 22.966 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

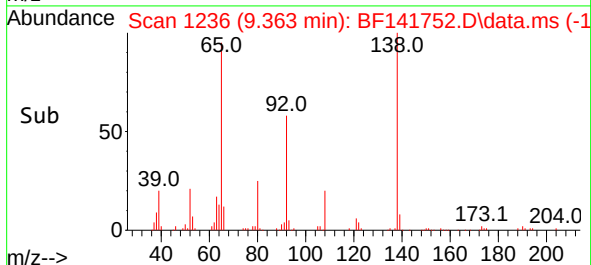
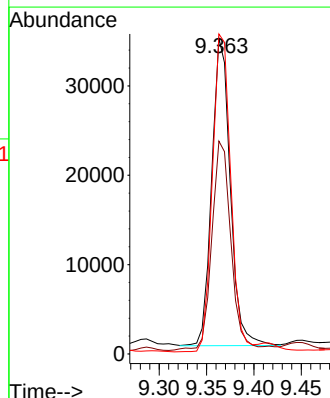
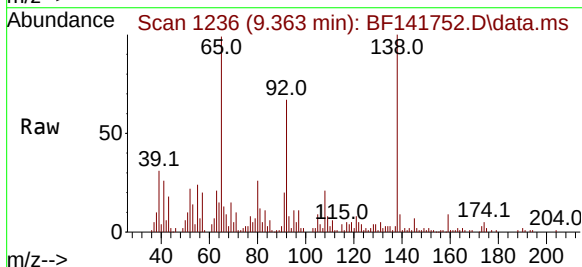
Tgt Ion: 65 Resp: 46635

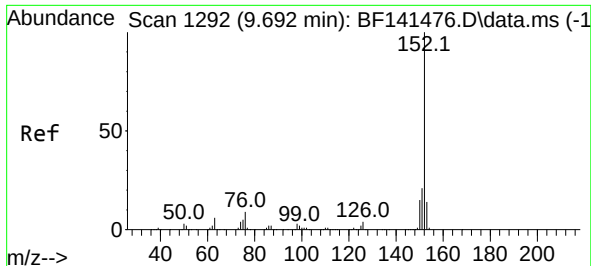
Ion Ratio Lower Upper

65 100

92 67.5 52.2 78.2

138 101.4 79.5 119.3

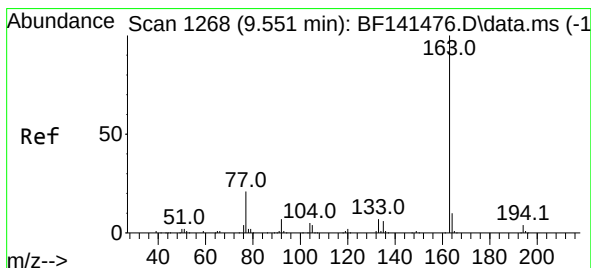
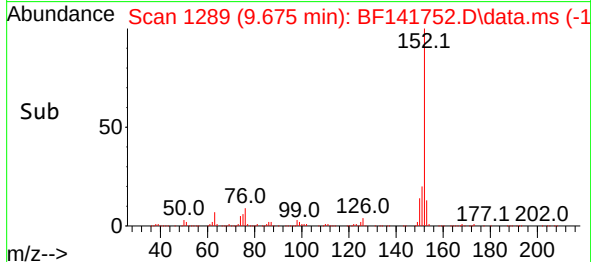
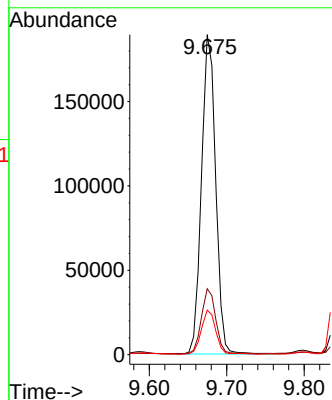
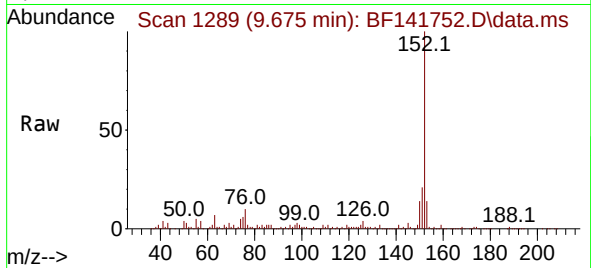




#49
Acenaphthylene
Concen: 26.707 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

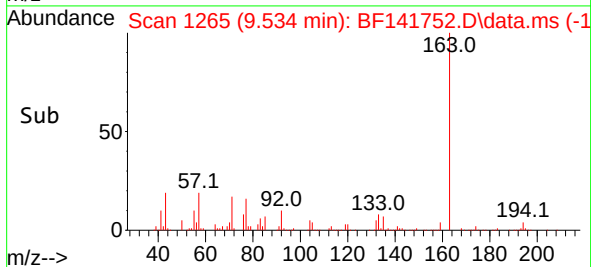
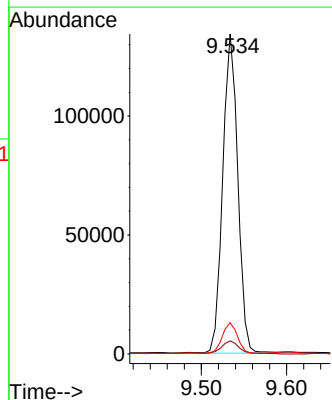
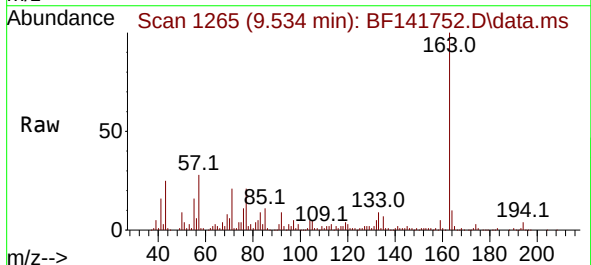
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

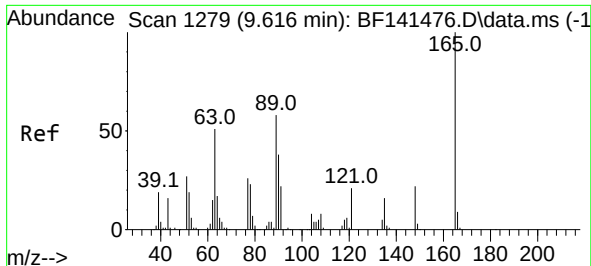
Tgt Ion:152 Resp: 240350
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 13.9 10.9 16.3



#50
Dimethylphthalate
Concen: 22.985 ng
RT: 9.534 min Scan# 1265
Delta R.T. -0.029 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:163 Resp: 164686
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 9.8 7.9 11.9

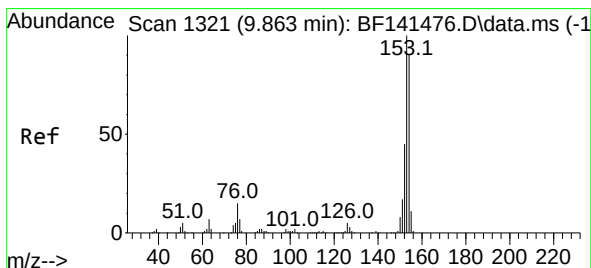
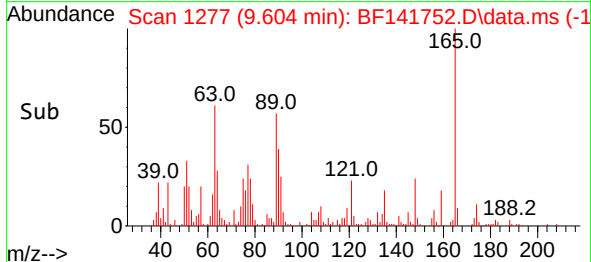
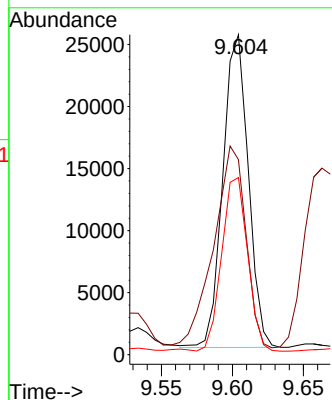
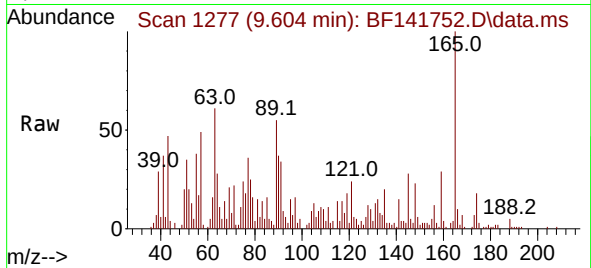




#51
2,6-Dinitrotoluene
Concen: 20.046 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

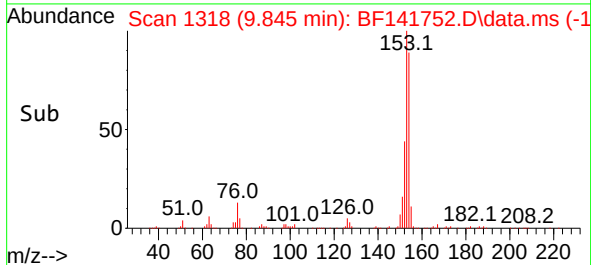
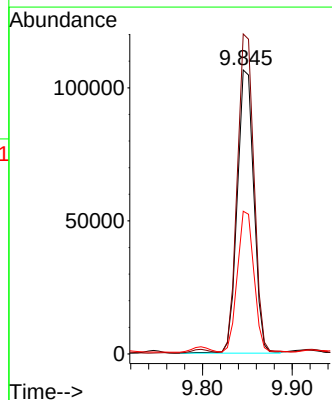
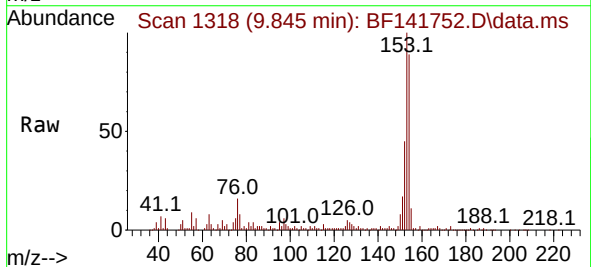
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

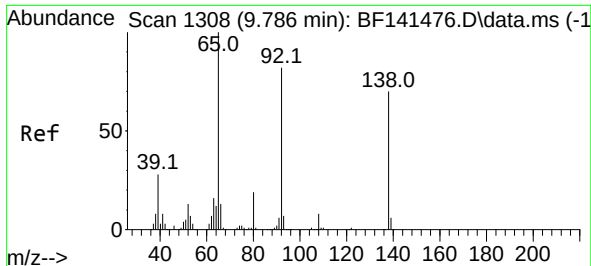
Tgt Ion:165 Resp: 31398
Ion Ratio Lower Upper
165 100
63 61.0 49.4 74.0
89 55.3 46.5 69.7



#52
Acenaphthene
Concen: 22.605 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:154 Resp: 136767
Ion Ratio Lower Upper
154 100
153 112.7 89.2 133.8
152 50.2 39.8 59.8

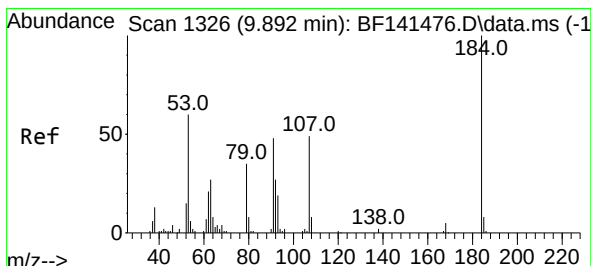
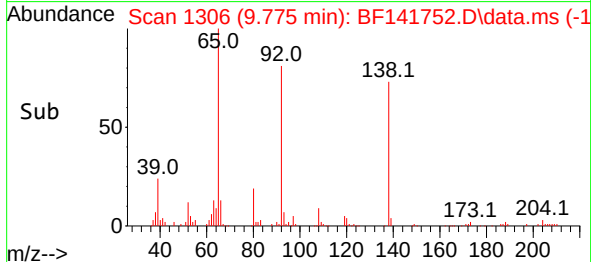
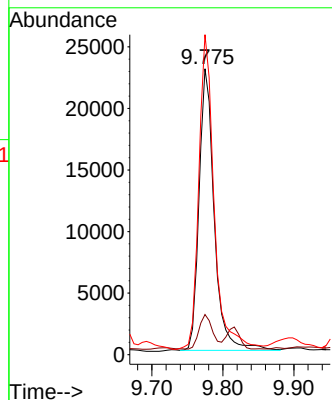
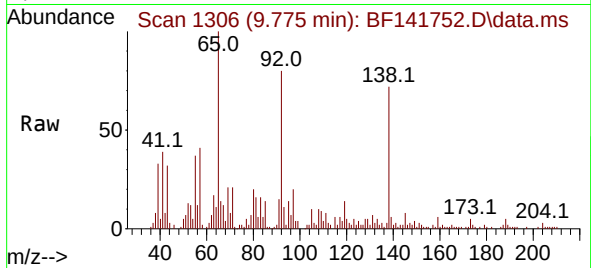




#53
3-Nitroaniline
Concen: 20.151 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

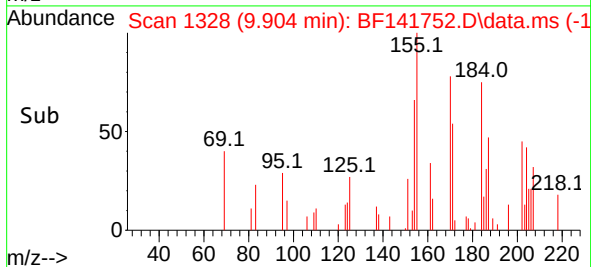
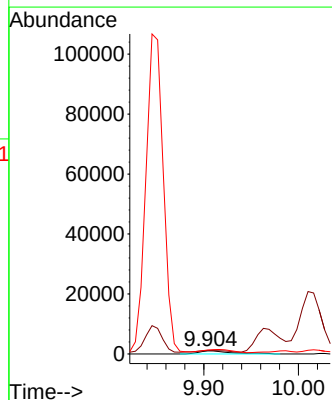
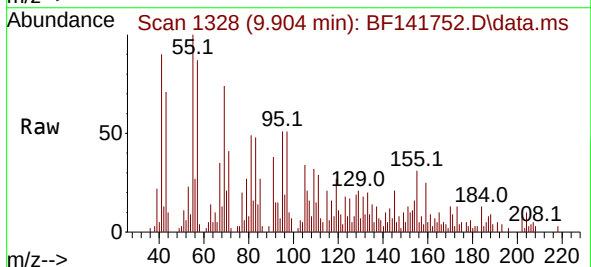
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

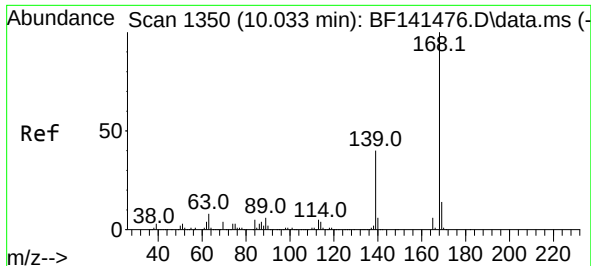
Tgt Ion:138 Resp: 33970
Ion Ratio Lower Upper
138 100
108 14.0 9.0 13.4#
92 111.9 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 2.647 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:184 Resp: 2464
Ion Ratio Lower Upper
184 100
63 112.0 61.0 91.6#
154 127.6 59.9 89.9#

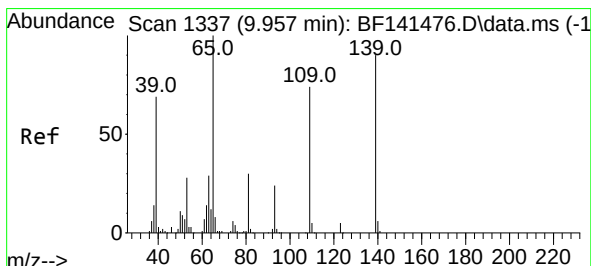
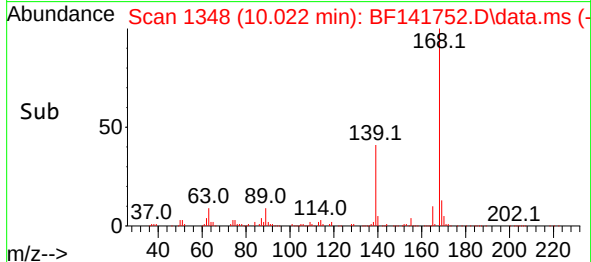
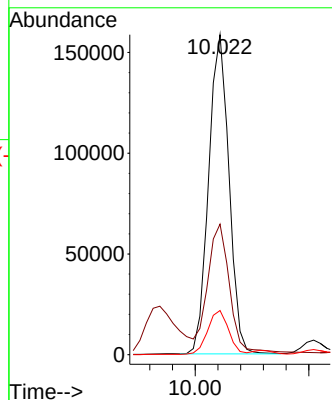
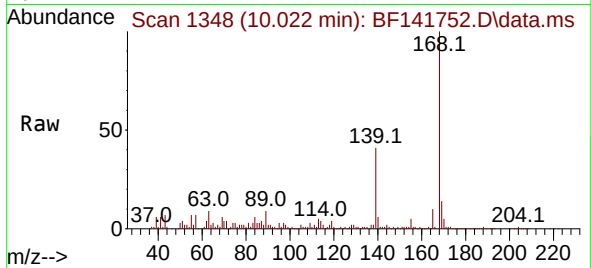




#55
Dibenzenofuran
Concen: 22.159 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

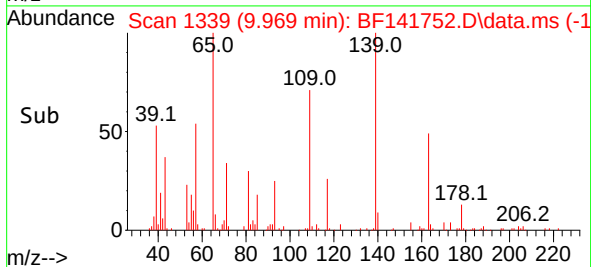
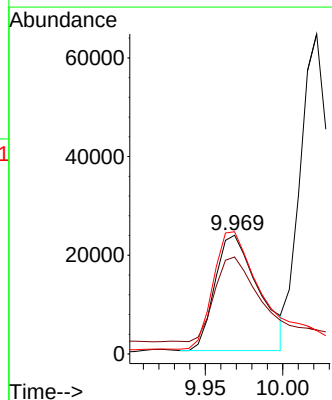
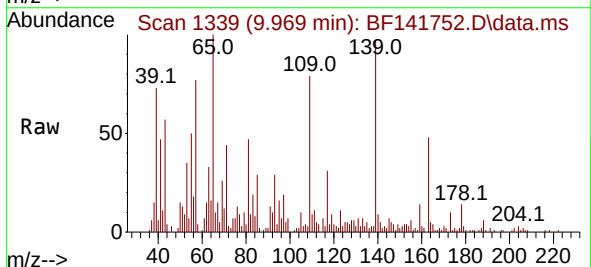
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

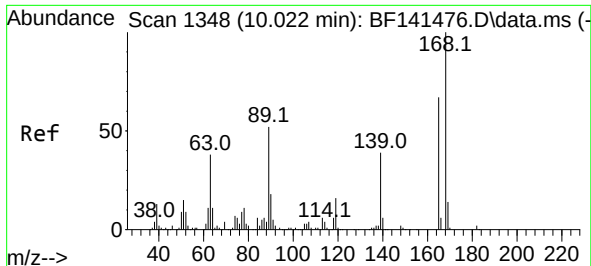
Tgt Ion:168 Resp: 196790
Ion Ratio Lower Upper
168 100
139 40.8 32.7 49.1
169 13.8 10.8 16.2



#56
4-Nitrophenol
Concen: 36.469 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:139 Resp: 45639
Ion Ratio Lower Upper
139 100
109 81.7 62.0 102.0
65 103.0 91.2 131.2





#57

2,4-Dinitrotoluene

Concen: 20.360 ng

RT: 10.010 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

Tgt Ion:165 Resp: 42454

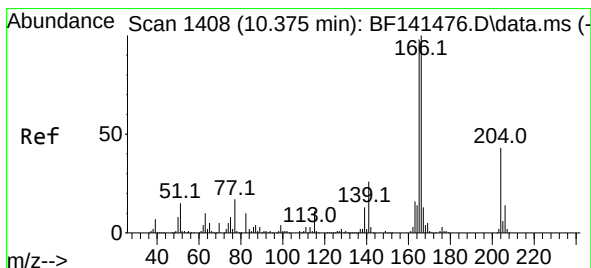
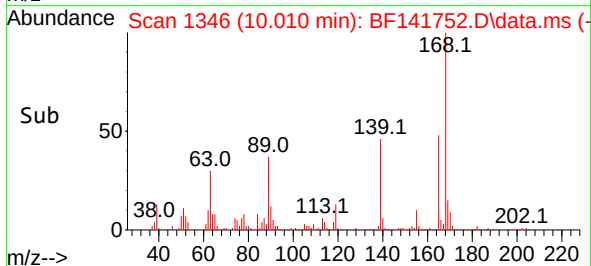
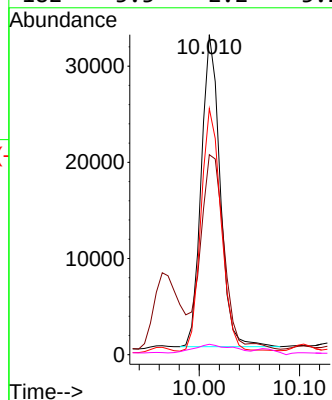
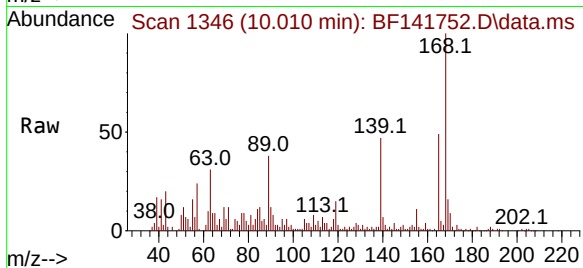
Ion Ratio Lower Upper

165 100

63 62.5 46.4 69.6

89 76.9 61.8 92.6

182 3.3 2.2 3.2#



#58

Fluorene

Concen: 23.925 ng

RT: 10.363 min Scan# 1406

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

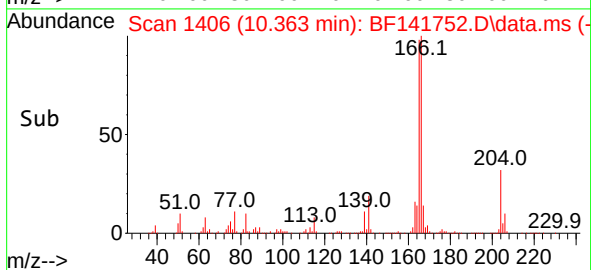
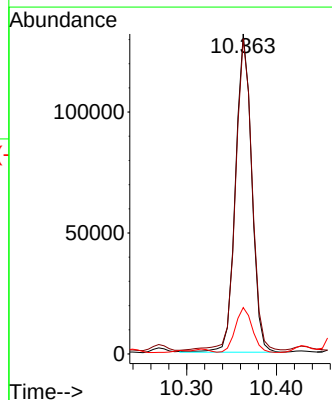
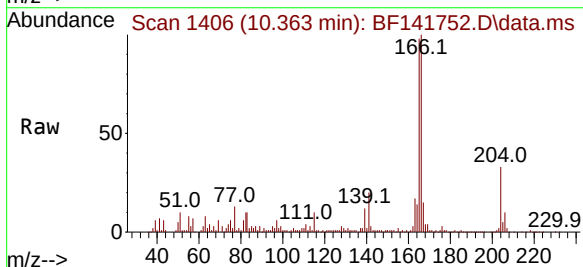
Tgt Ion:166 Resp: 164287

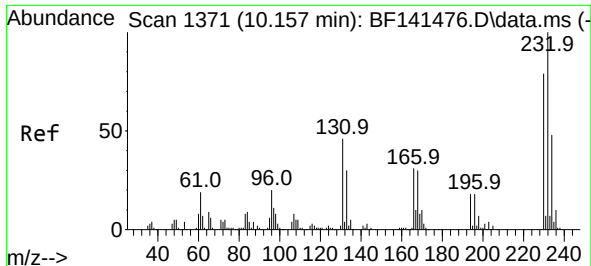
Ion Ratio Lower Upper

166 100

165 98.5 78.2 117.2

167 14.5 10.7 16.1

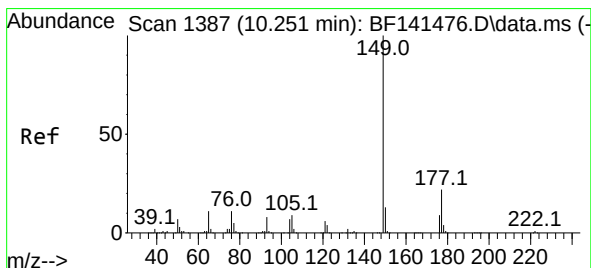
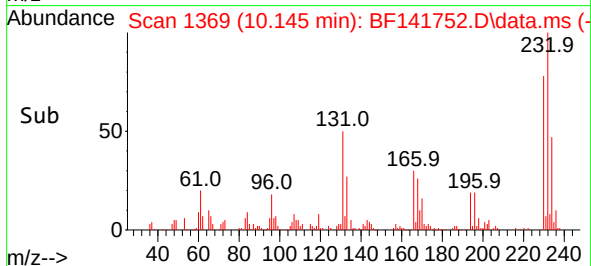
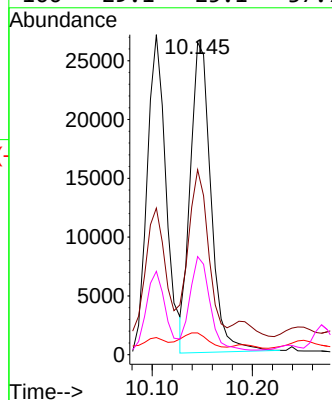
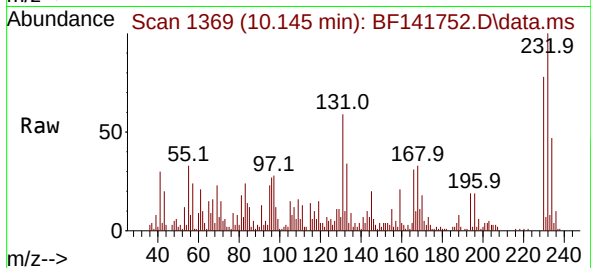




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.493 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

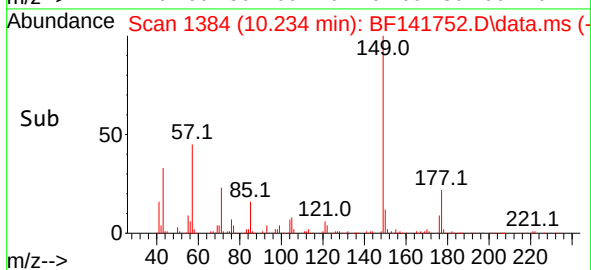
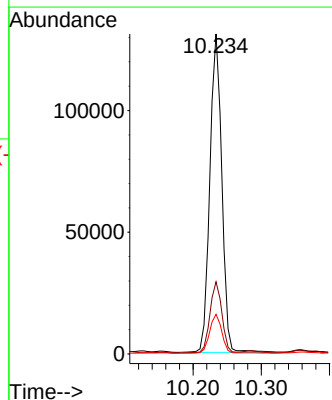
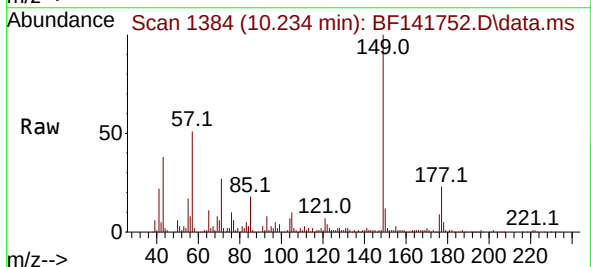
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

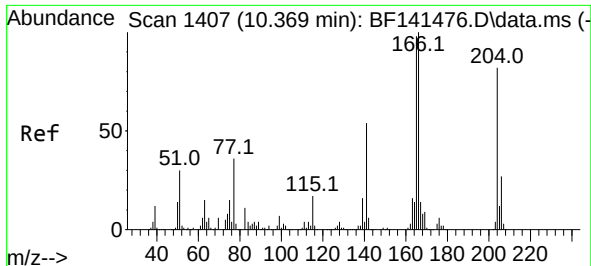
Tgt Ion:232 Resp: 37735
Ion Ratio Lower Upper
232 100
131 51.8 39.2 58.8
130 6.4 2.1 3.1#
166 29.1 25.1 37.7



#60
Diethylphthalate
Concen: 22.638 ng
RT: 10.234 min Scan# 1384
Delta R.T. -0.023 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:149 Resp: 159582
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.6
150 12.4 10.1 15.1

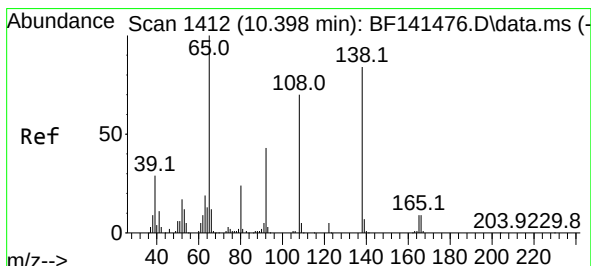
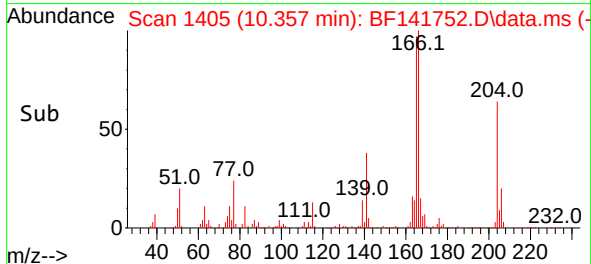
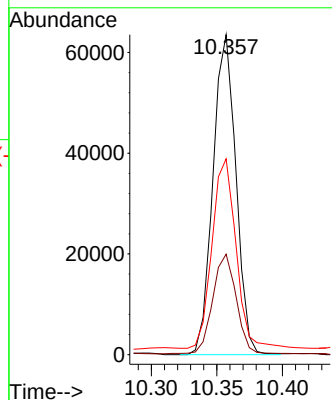
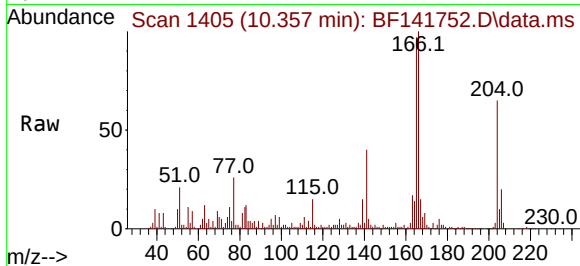




#61
4-Chlorophenyl-phenylether
Concen: 23.432 ng
RT: 10.357 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

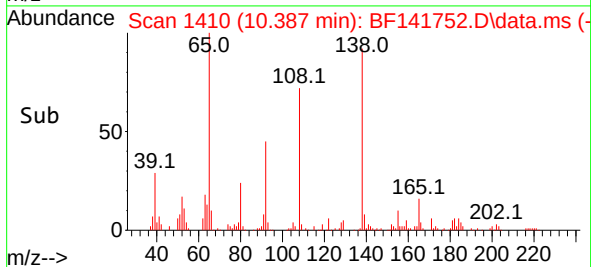
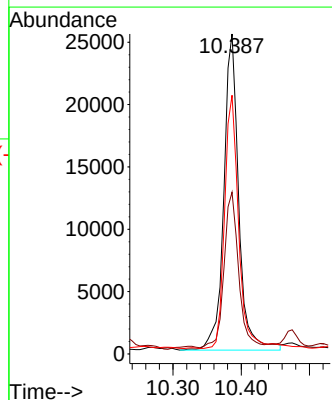
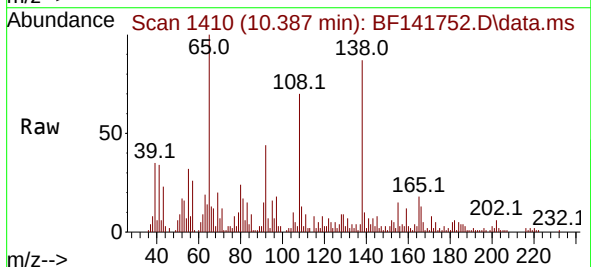
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

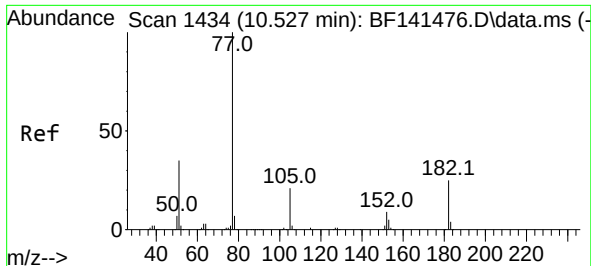
Tgt Ion:204 Resp: 77405
Ion Ratio Lower Upper
204 100
206 31.4 26.6 40.0
141 61.2 51.9 77.9



#62
4-Nitroaniline
Concen: 22.546 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:138 Resp: 38594
Ion Ratio Lower Upper
138 100
92 50.5 31.3 71.3
108 80.9 63.7 103.7

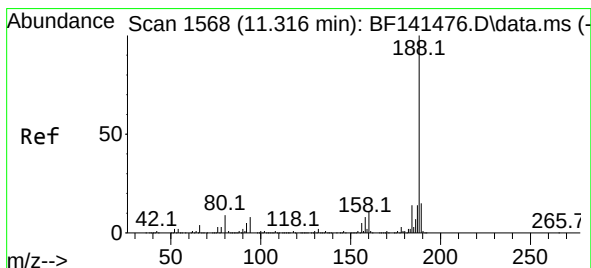
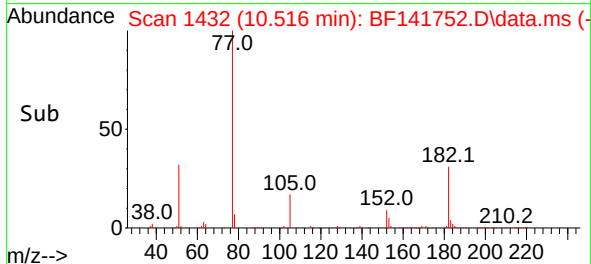
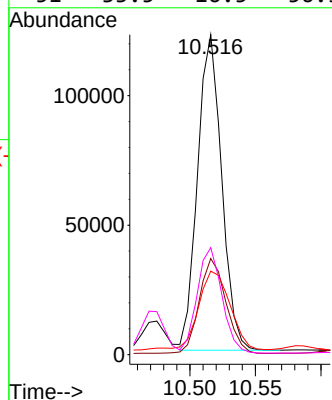
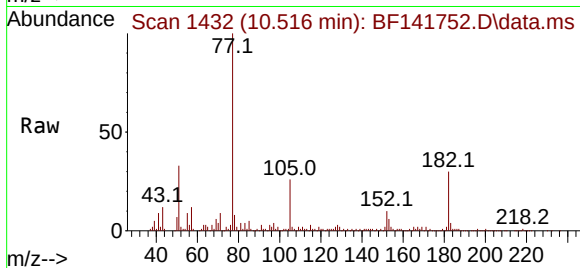




#63
Azobenzene
Concen: 22.269 ng
RT: 10.516 min Scan# 1434
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

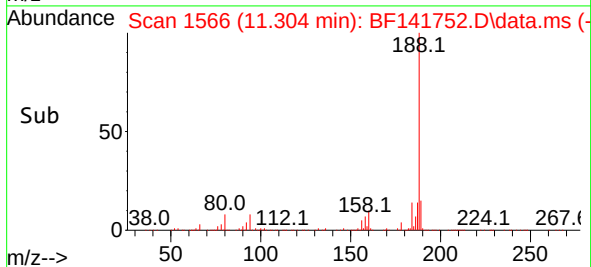
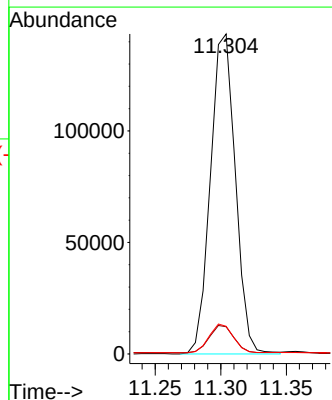
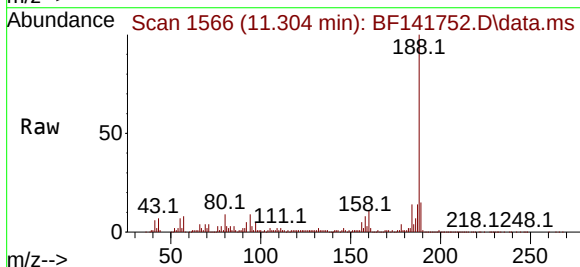
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

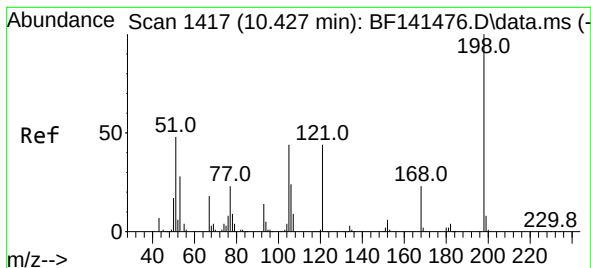
Tgt Ion: 77	Resp: 156063
Ion Ratio	Lower Upper
77 100	
182 30.1	4.7 44.7
105 26.1	0.4 40.4
51 33.5	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:188	Resp: 190056
Ion Ratio	Lower Upper
188 100	
94 8.5	6.6 10.0
80 8.7	7.3 10.9

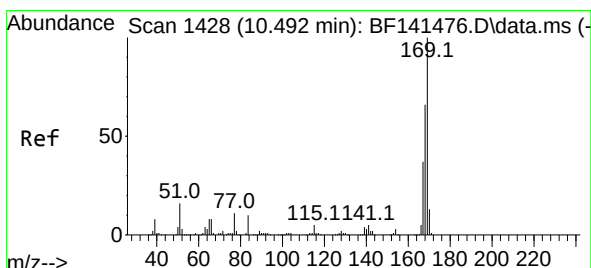
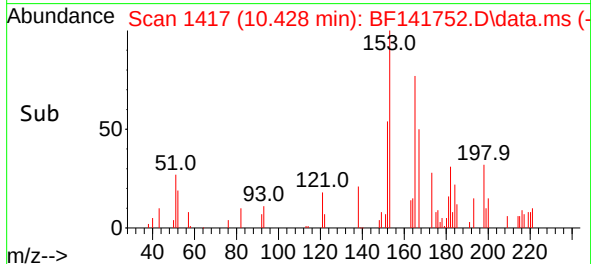
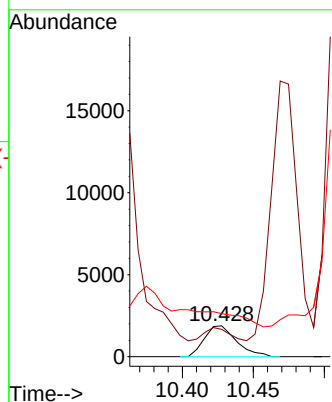
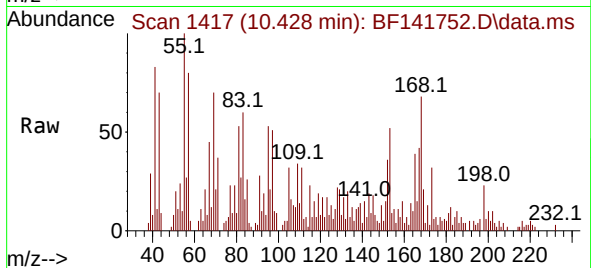




#65
4,6-Dinitro-2-methylphenol
Concen: 2.247 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

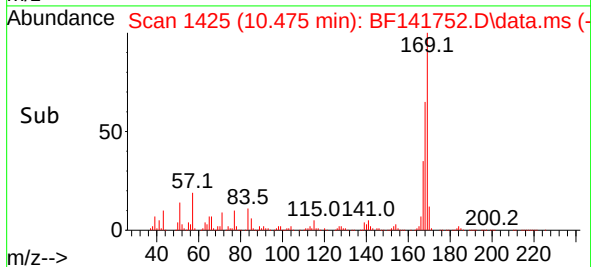
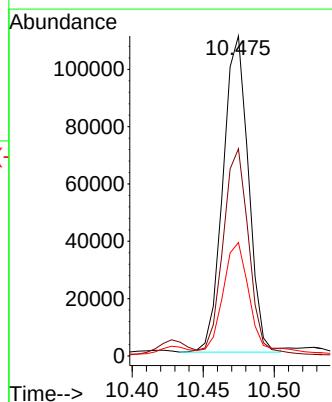
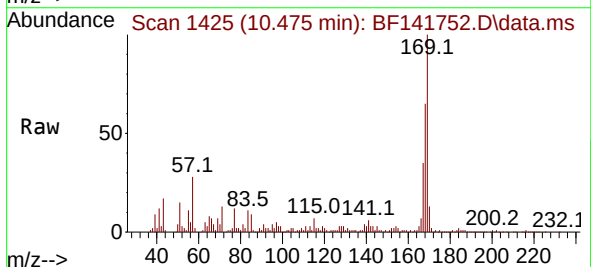
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

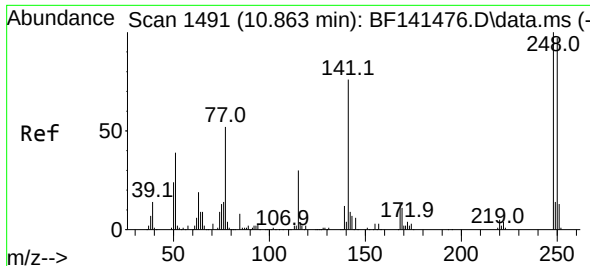
Tgt Ion:198 Resp: 2966
Ion Ratio Lower Upper
198 100
51 88.6 37.4 77.4#
105 139.6 25.2 65.2#



#66
n-Nitrosodiphenylamine
Concen: 22.536 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:169 Resp: 137107
Ion Ratio Lower Upper
169 100
168 64.7 53.3 79.9
167 35.4 29.4 44.2

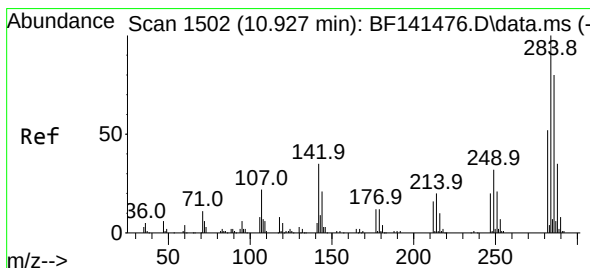
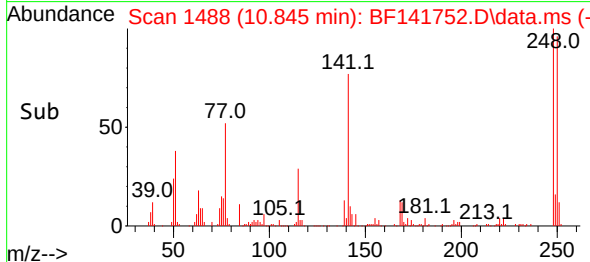
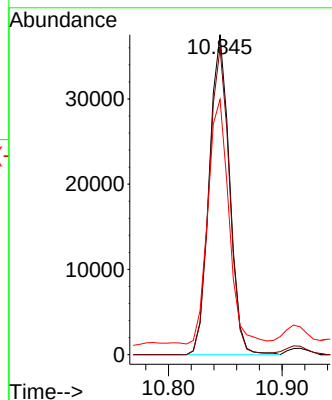
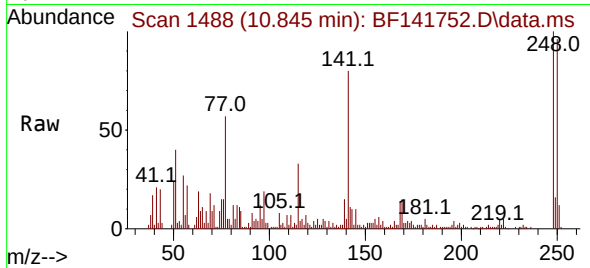




#67
4-Bromophenyl-phenylether
Concen: 21.913 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

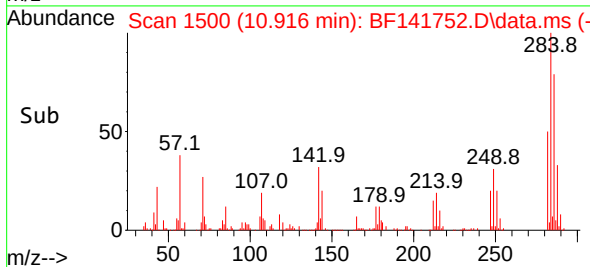
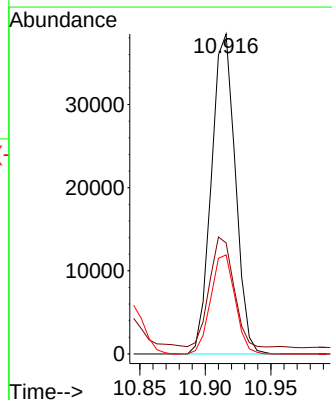
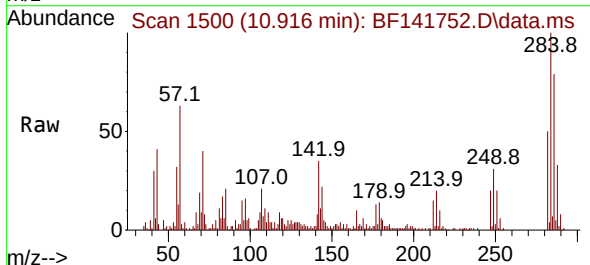
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

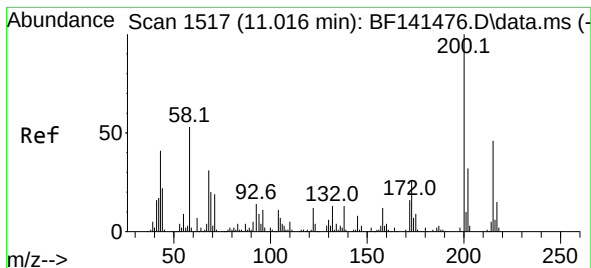
Tgt Ion:248 Resp: 46547
Ion Ratio Lower Upper
248 100
250 95.8 77.8 116.6
141 79.7 60.6 90.8



#68
Hexachlorobenzene
Concen: 22.332 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:284 Resp: 48846
Ion Ratio Lower Upper
284 100
142 34.7 28.0 42.0
249 31.0 25.8 38.8





#69

Atrazine

Concen: 29.721 ng

RT: 11.004 min Scan# 1515

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

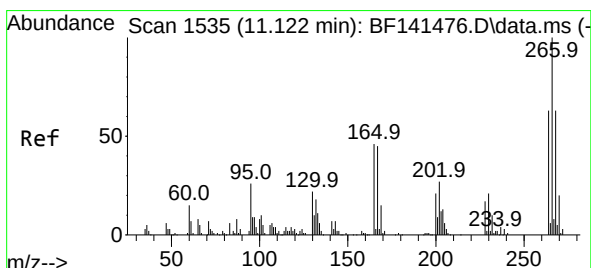
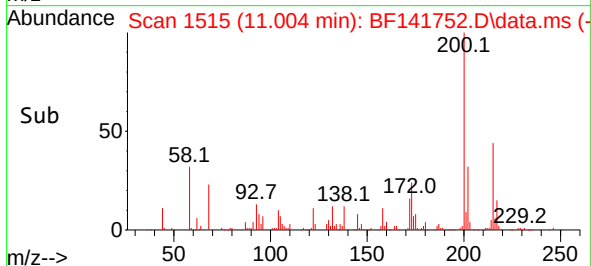
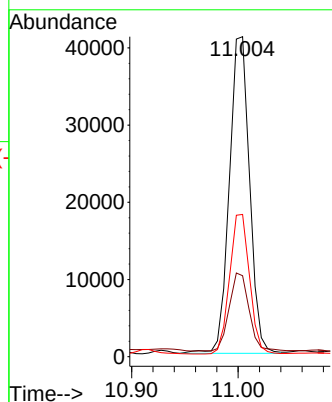
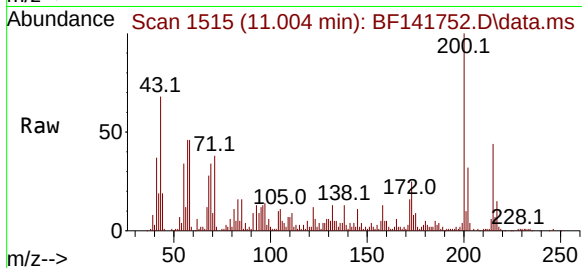
Tgt Ion:200 Resp: 54245

Ion Ratio Lower Upper

200 100

173 25.3 5.9 45.9

215 44.4 25.9 65.9



#70

Pentachlorophenol

Concen: 35.602 ng

RT: 11.116 min Scan# 1534

Delta R.T. -0.011 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

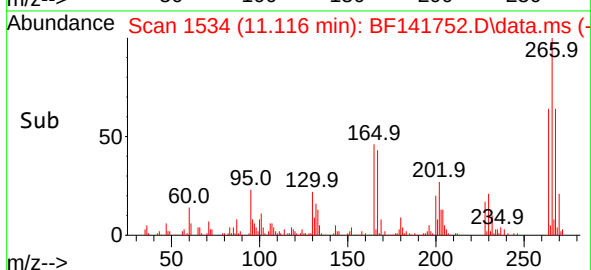
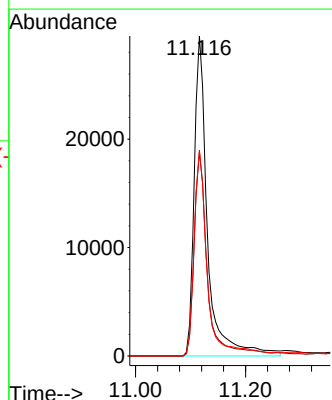
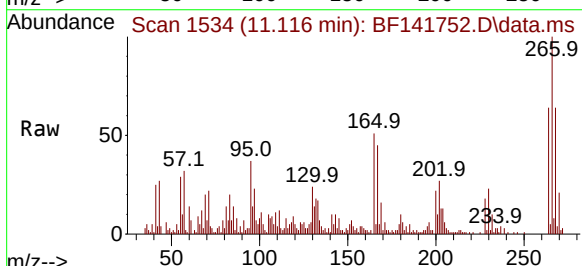
Tgt Ion:266 Resp: 49792

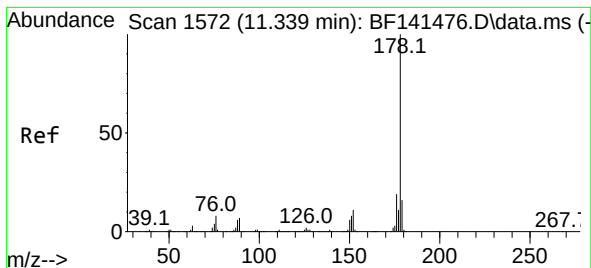
Ion Ratio Lower Upper

266 100

268 63.8 50.1 75.1

264 64.4 50.1 75.1





#71

Phenanthrene

Concen: 30.824 ng

RT: 11.328 min Scan# 1570

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

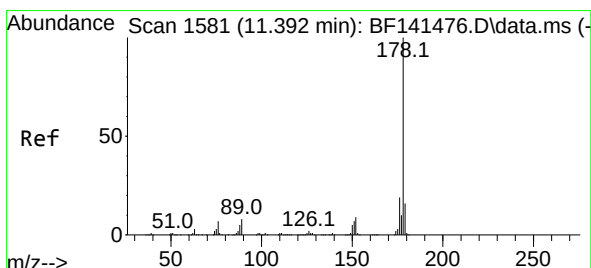
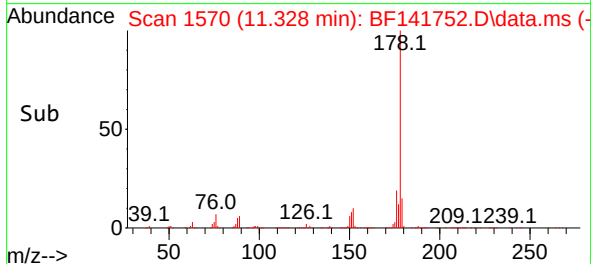
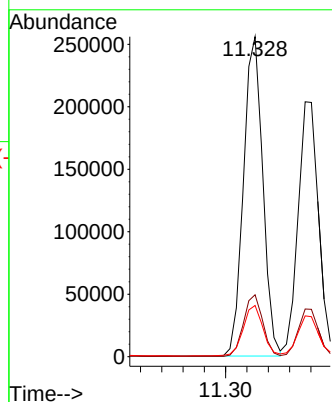
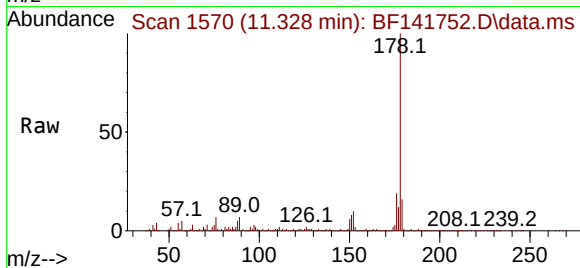
Tgt Ion:178 Resp: 322477

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 16.0 12.4 18.6



#72

Anthracene

Concen: 25.746 ng

RT: 11.375 min Scan# 1578

Delta R.T. -0.023 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

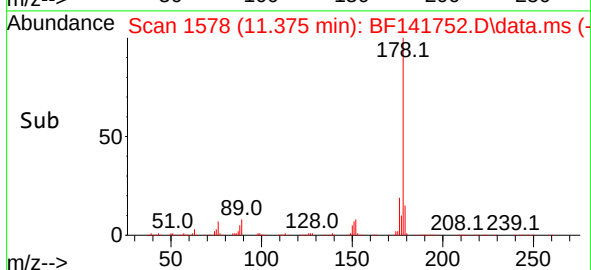
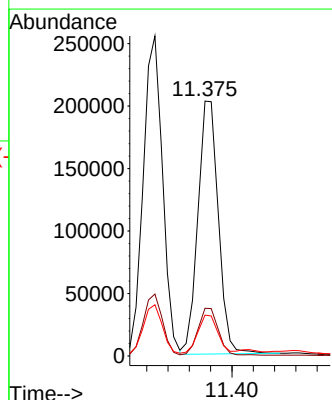
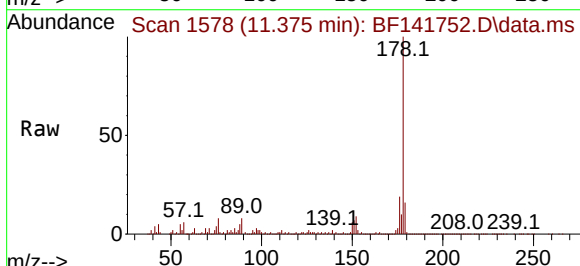
Tgt Ion:178 Resp: 270765

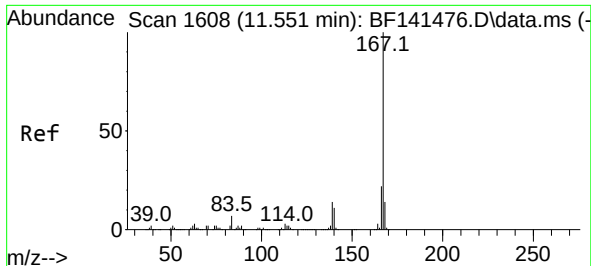
Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 16.0 12.4 18.6

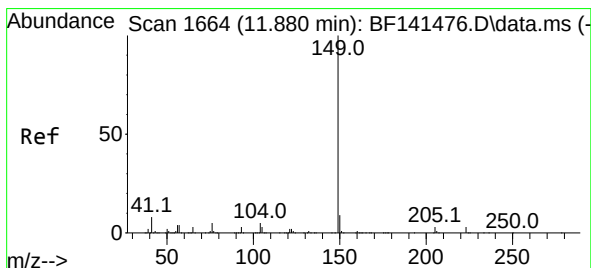
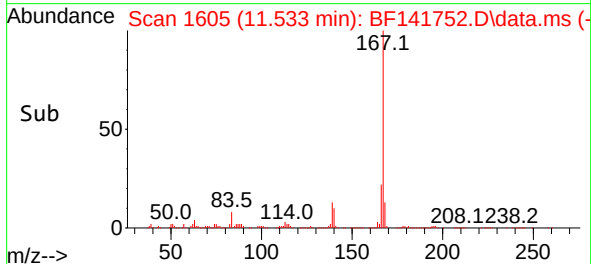
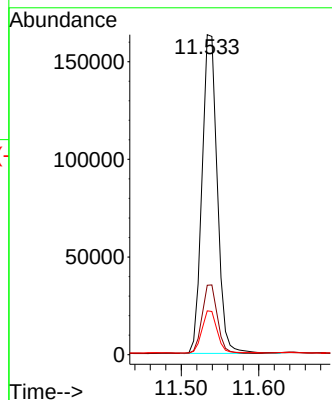
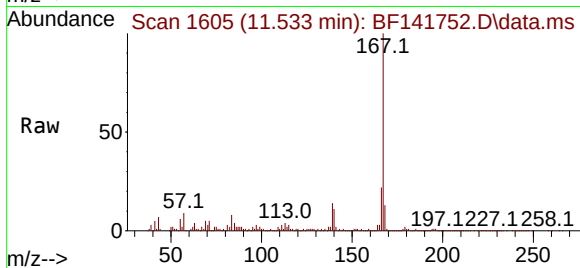




#73
Carbazole
Concen: 23.619 ng
RT: 11.533 min Scan# 1605
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

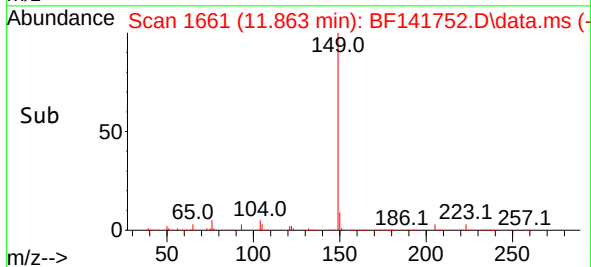
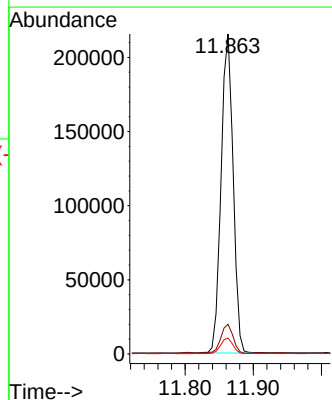
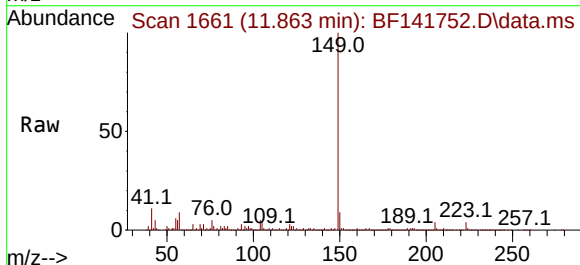
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

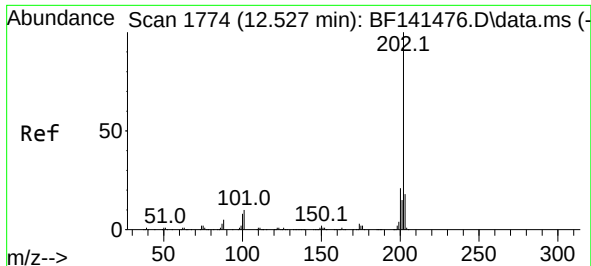
Tgt Ion:167 Resp: 223498
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.2
139 13.7 10.9 16.3



#74
Di-n-butylphthalate
Concen: 24.208 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:149 Resp: 264507
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.0 4.2 6.2

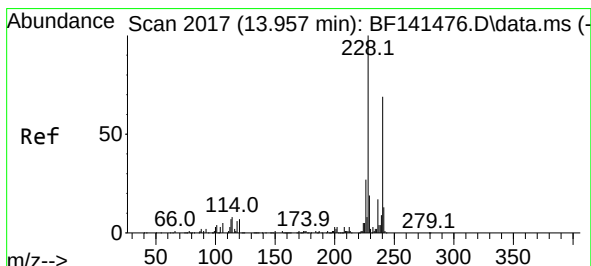
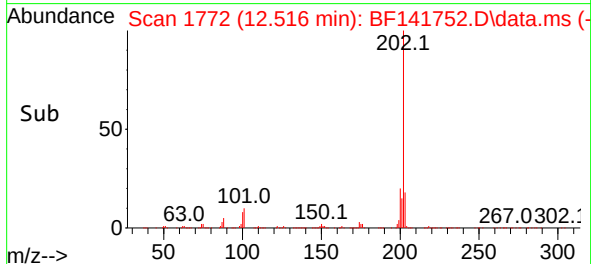
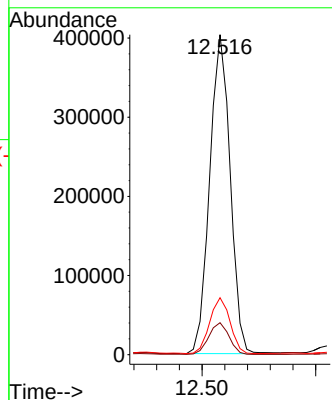
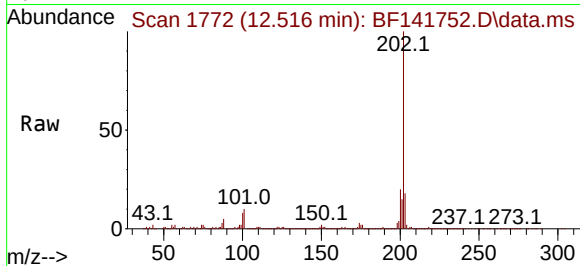




#75
Fluoranthene
Concen: 45.516 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

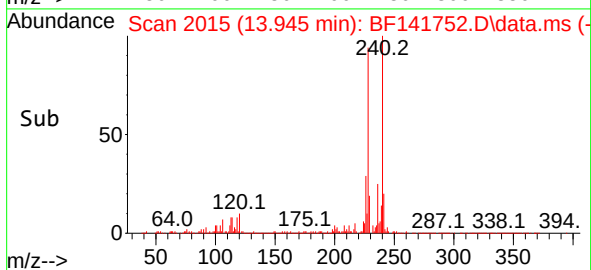
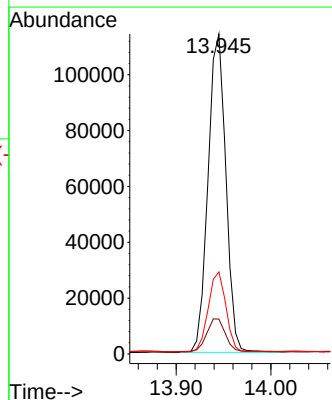
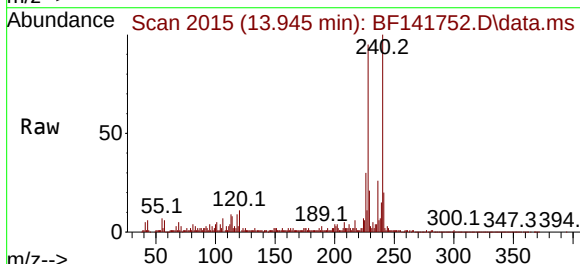
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

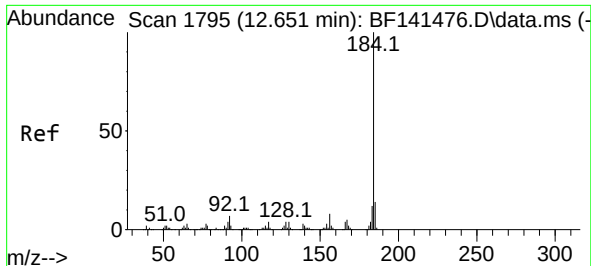
Tgt Ion:202 Resp: 504837
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:240 Resp: 148937
Ion Ratio Lower Upper
240 100
120 10.9 8.0 12.0
236 25.7 19.8 29.8

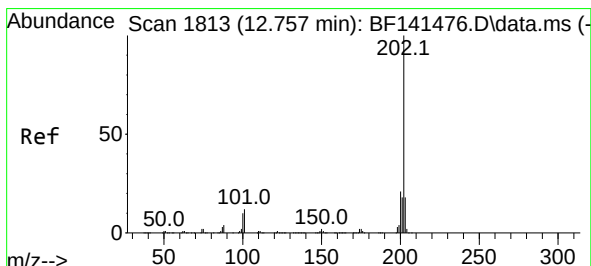
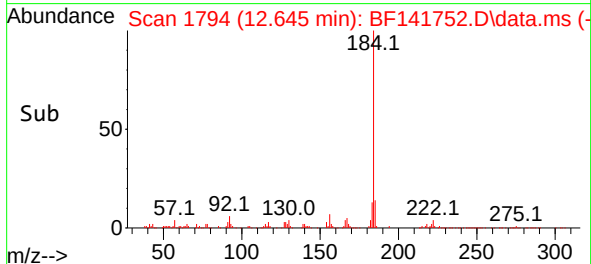
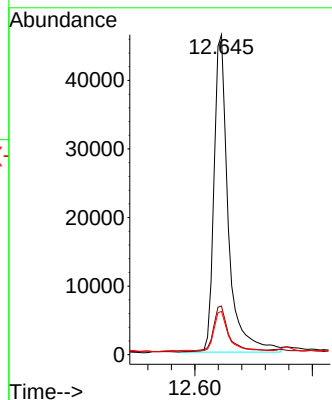
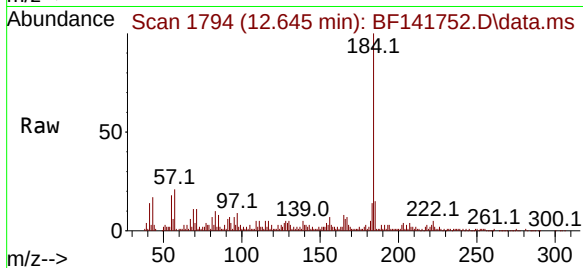




#77
Benzidine
Concen: 23.723 ng
RT: 12.645 min Scan# 1794
Delta R.T. -0.011 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

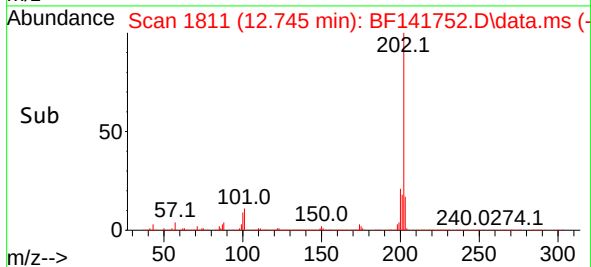
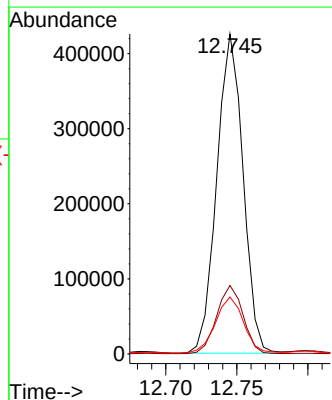
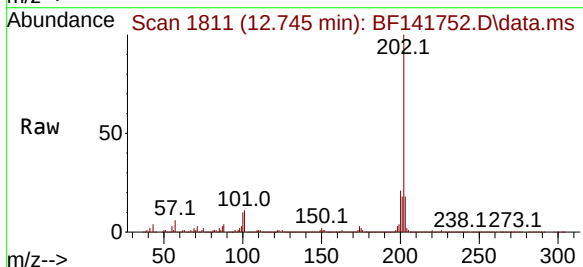
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

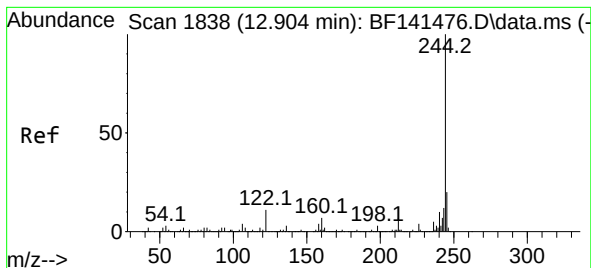
Tgt Ion:184	Resp:	77924	
Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.3	16.9
183	13.5	9.3	13.9



#78
Pyrene
Concen: 43.095 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:202	Resp:	546381	
Ion Ratio	Lower	Upper	
202 100			
200 21.4	17.0	25.4	
203 17.8	14.3	21.5	





#79

Terphenyl-d14

Concen: 33.661 ng

RT: 12.886 min Scan# 1835

Delta R.T. -0.017 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

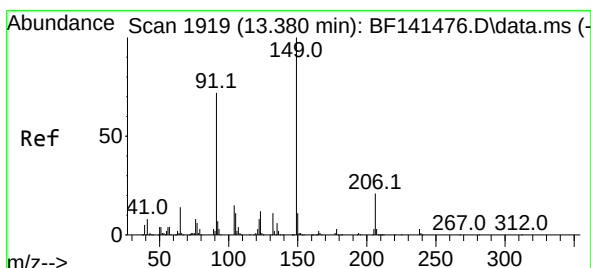
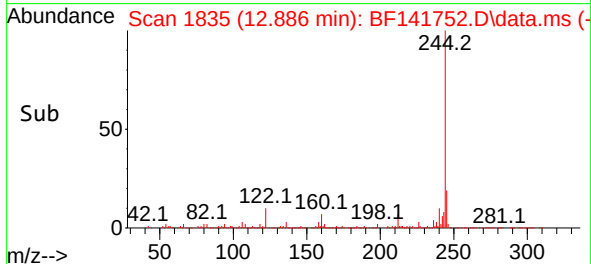
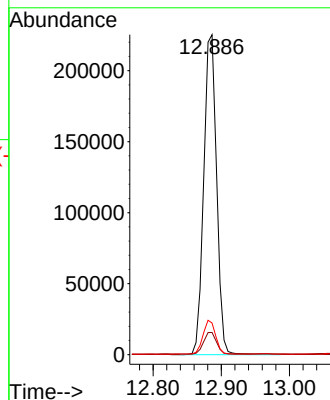
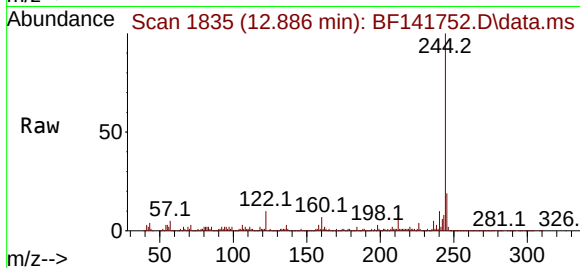
Tgt Ion:244 Resp: 296969

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.9 8.4 12.6



#80

Butylbenzylphthalate

Concen: 27.594 ng

RT: 13.357 min Scan# 1915

Delta R.T. -0.023 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

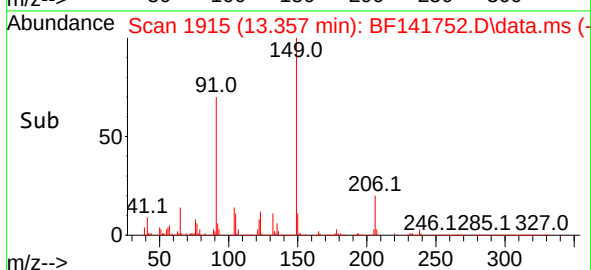
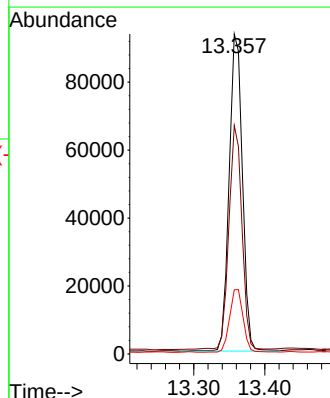
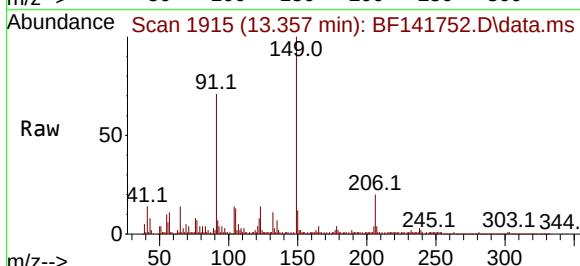
Tgt Ion:149 Resp: 121178

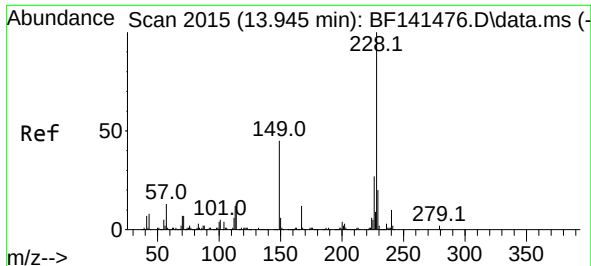
Ion Ratio Lower Upper

149 100

91 71.4 57.8 86.8

206 20.1 16.7 25.1

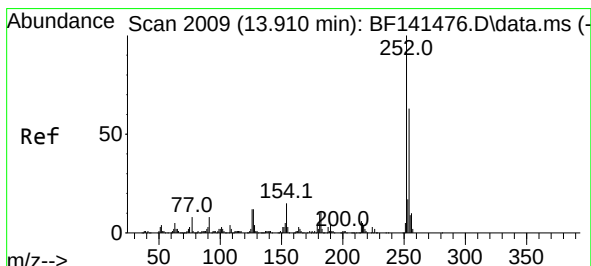
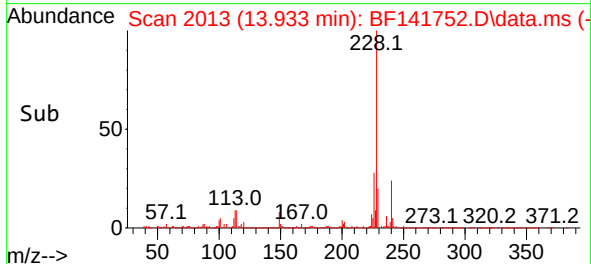
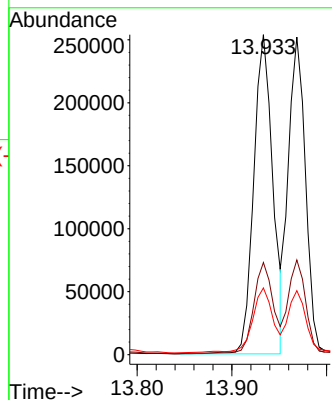
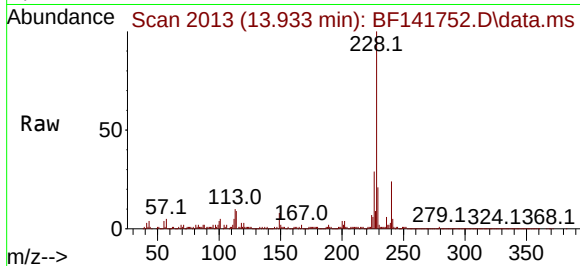




#81
Benzo(a)anthracene
Concen: 35.866 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

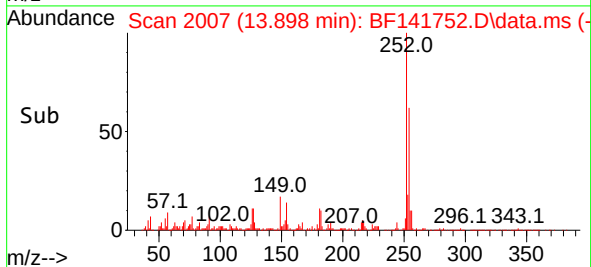
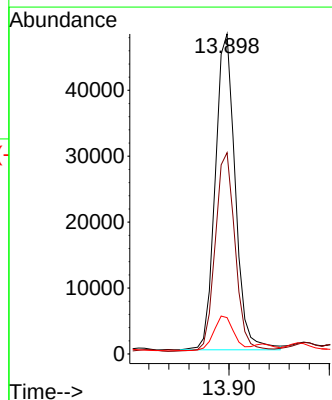
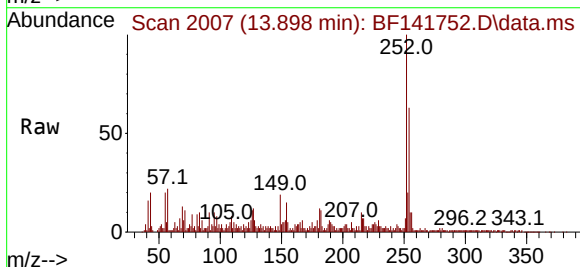
Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

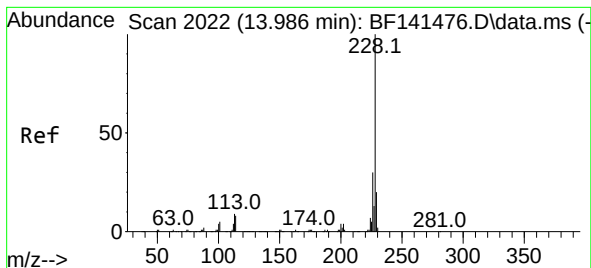
Tgt Ion:228 Resp: 355090
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 20.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 23.318 ng
RT: 13.898 min Scan# 2007
Delta R.T. -0.017 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:252 Resp: 66129
Ion Ratio Lower Upper
252 100
254 62.9 50.6 76.0
126 11.4 9.3 13.9





#83

Chrysene

Concen: 34.473 ng

RT: 13.969 min Scan# 2010

Delta R.T. -0.023 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

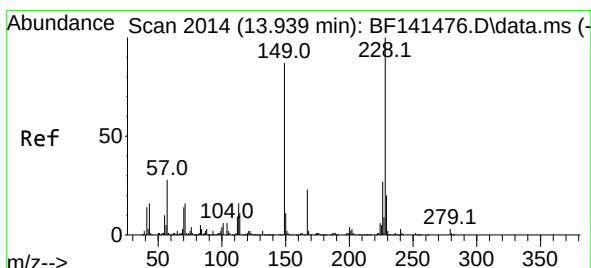
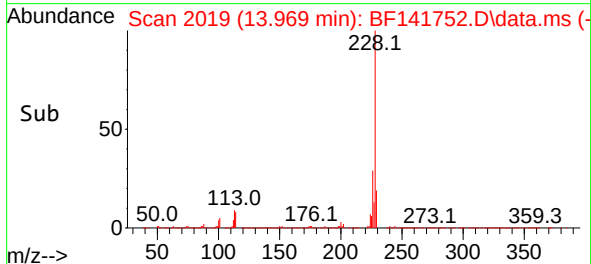
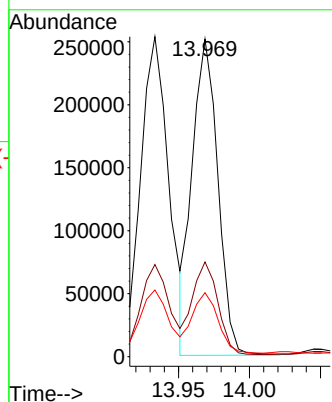
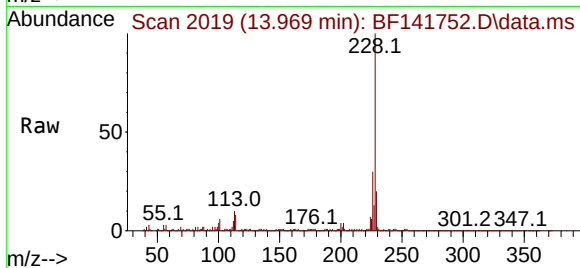
Tgt Ion:228 Resp: 315138

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 20.2 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 32.611 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.023 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

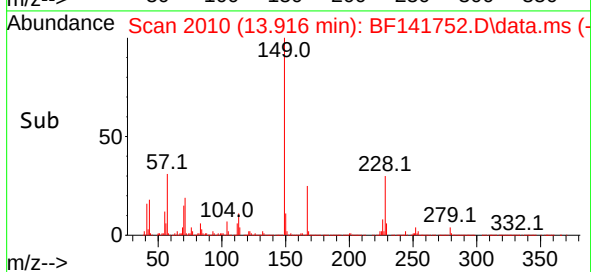
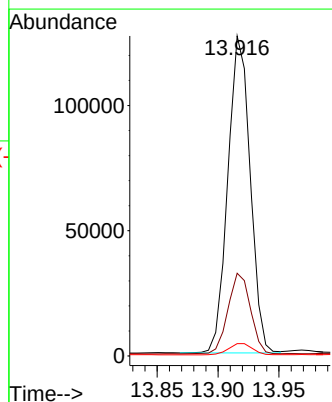
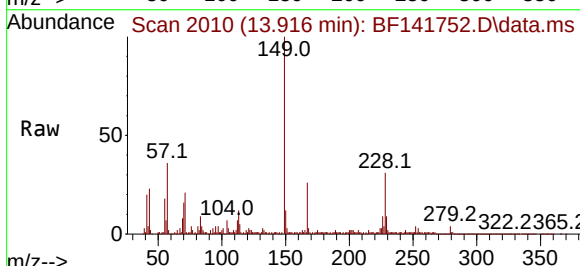
Tgt Ion:149 Resp: 161519

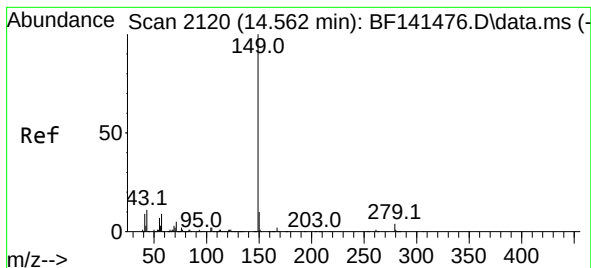
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 3.8 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 33.317 ng

RT: 14.527 min Scan# 2114

Delta R.T. -0.035 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

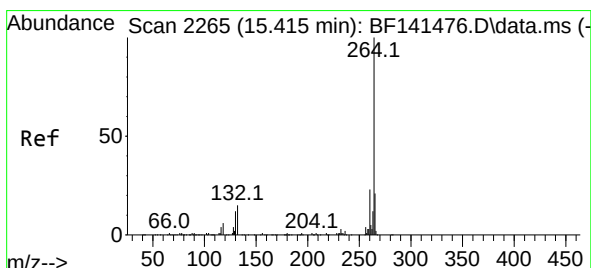
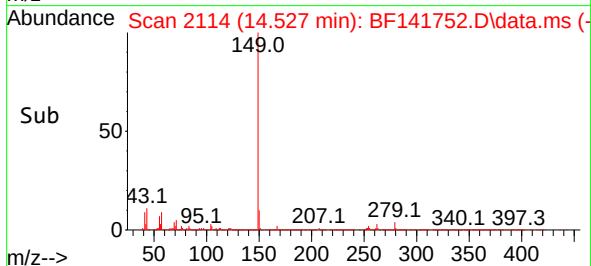
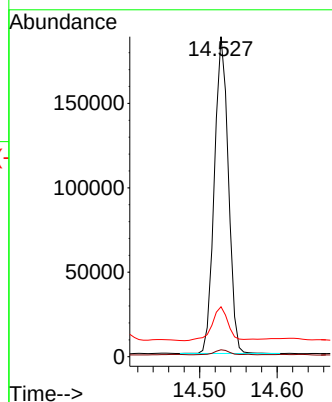
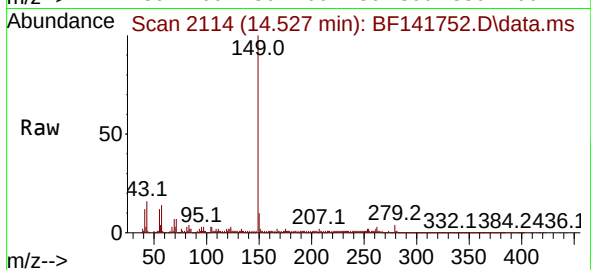
Tgt Ion:149 Resp: 235408

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.1 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 2260

Delta R.T. -0.029 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

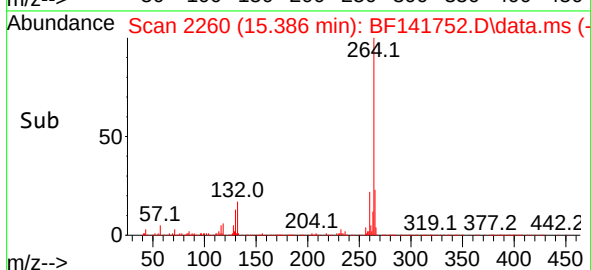
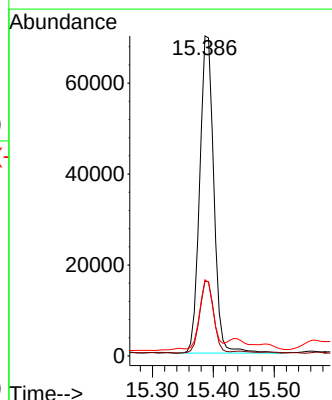
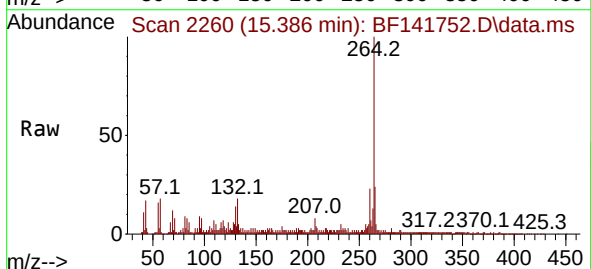
Tgt Ion:264 Resp: 112571

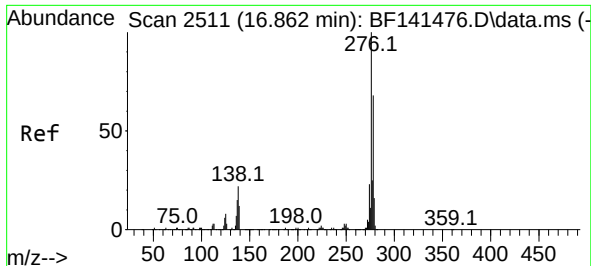
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 23.8 17.0 25.4

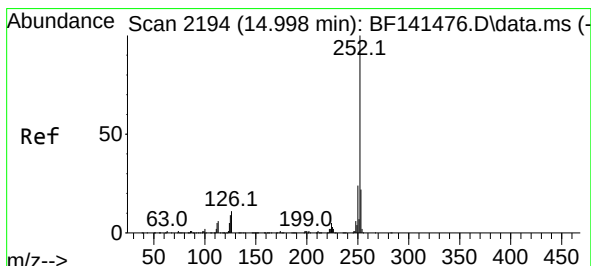
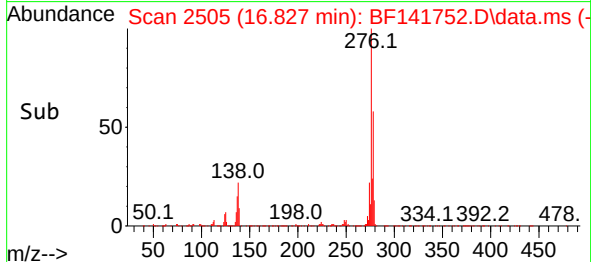
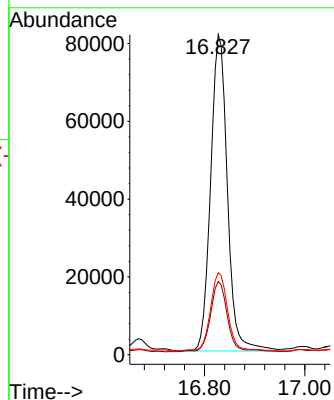
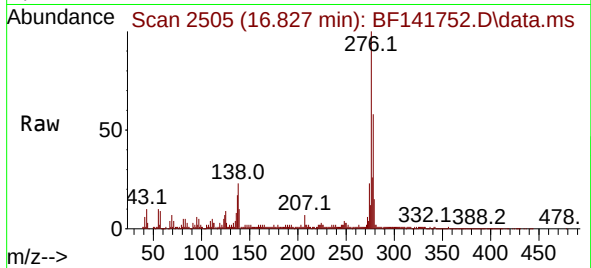




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 27.135 ng
 RT: 16.827 min Scan# 2189
 Delta R.T. -0.047 min
 Lab File: BF141752.D
 Acq: 24 Feb 2025 19:06

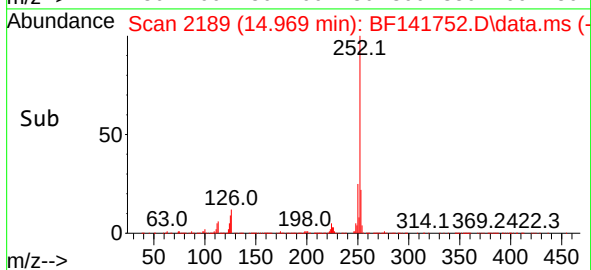
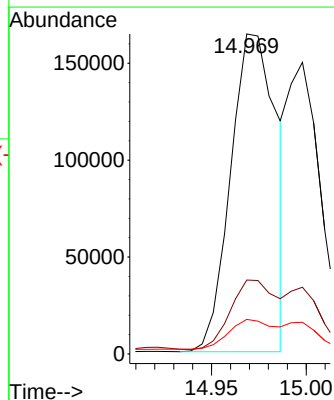
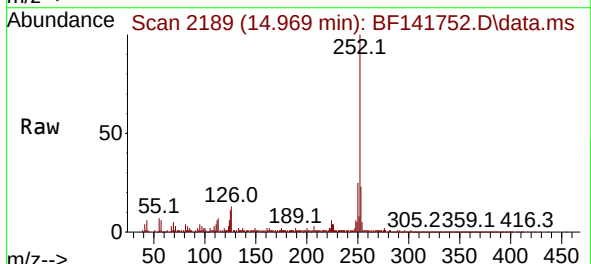
Instrument :
 BNA_F
 ClientSampleId :
 BU-2-022125MSD

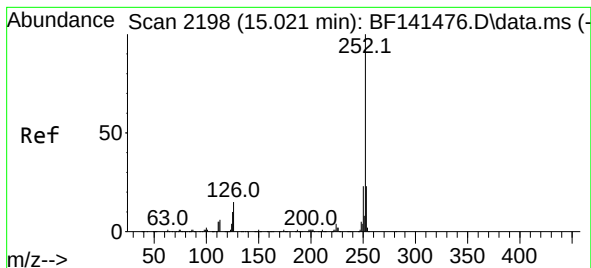
Tgt Ion:276 Resp: 188740
 Ion Ratio Lower Upper
 276 100
 138 21.0 18.0 27.0
 277 25.1 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 36.548 ng
 RT: 14.969 min Scan# 2189
 Delta R.T. -0.035 min
 Lab File: BF141752.D
 Acq: 24 Feb 2025 19:06

Tgt Ion:252 Resp: 276249
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.5 26.3
 125 10.8 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 27.489 ng m

RT: 14.998 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

Instrument :

BNA_F

ClientSampleId :

BU-2-022125MSD

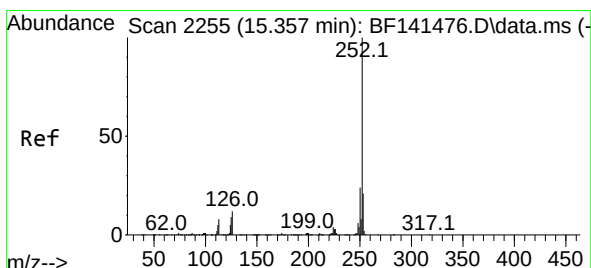
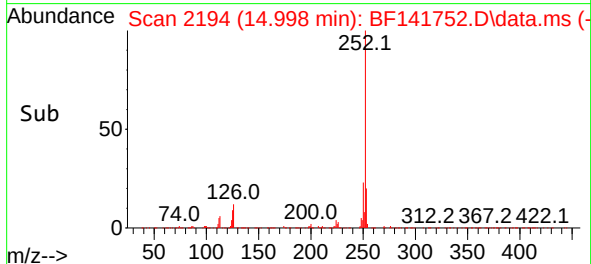
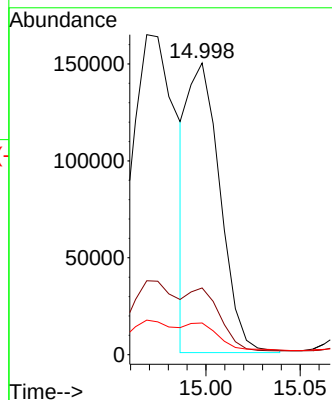
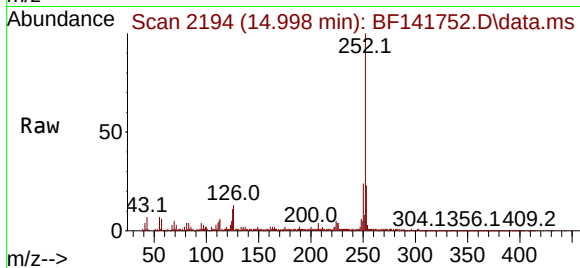
Tgt Ion:252 Resp: 177427

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 10.9 7.4 11.0



#90

Benzo(a)pyrene

Concen: 35.855 ng

RT: 15.327 min Scan# 2250

Delta R.T. -0.035 min

Lab File: BF141752.D

Acq: 24 Feb 2025 19:06

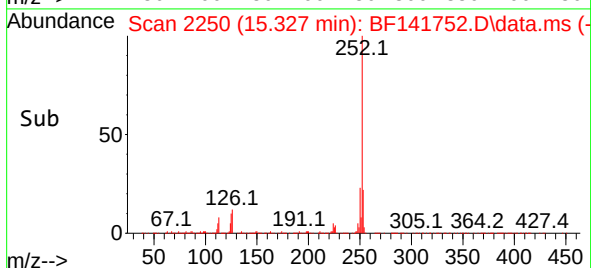
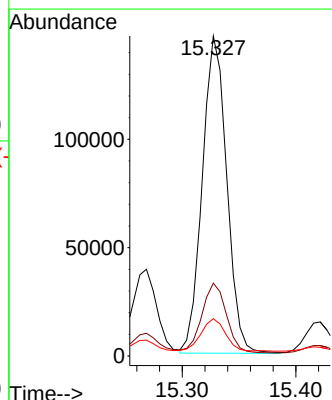
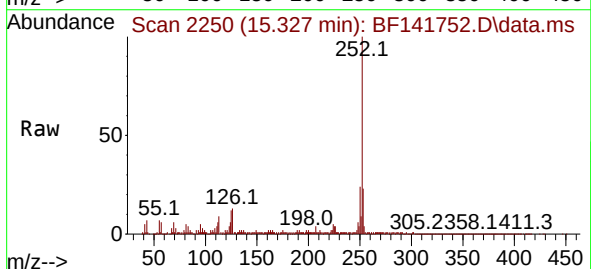
Tgt Ion:252 Resp: 219295

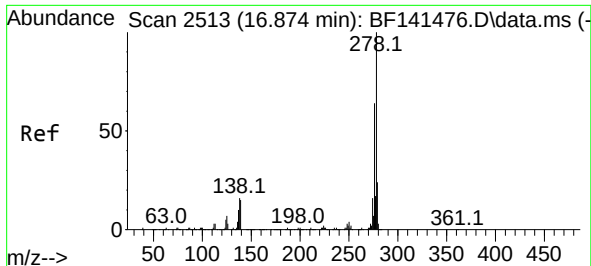
Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 11.7 7.4 11.2#

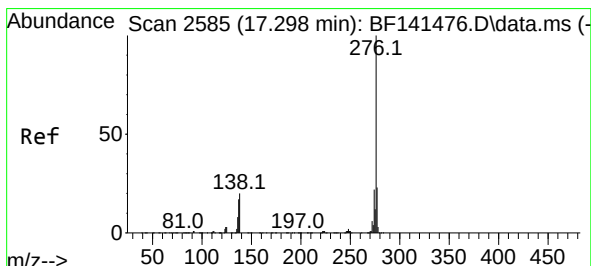
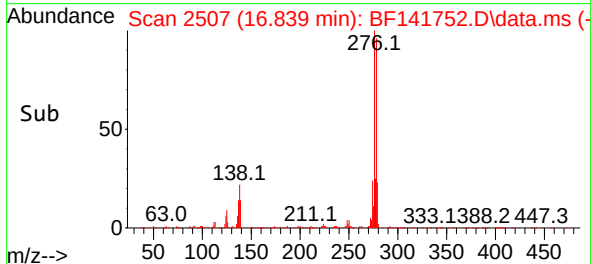
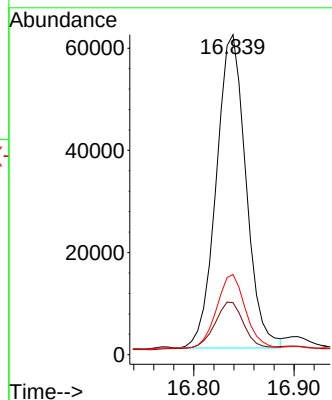
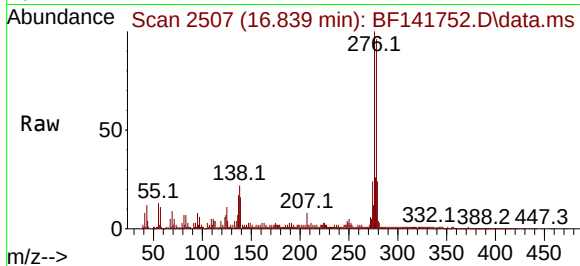




#91
Dibenzo(a,h)anthracene
Concen: 22.391 ng
RT: 16.839 min Scan# 2513
Delta R.T. -0.053 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Instrument :
BNA_F
ClientSampleId :
BU-2-022125MSD

Tgt Ion:278 Resp: 126198
Ion Ratio Lower Upper
278 100
139 16.3 11.8 17.6
279 25.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 26.276 ng
RT: 17.263 min Scan# 2579
Delta R.T. -0.053 min
Lab File: BF141752.D
Acq: 24 Feb 2025 19:06

Tgt Ion:276 Resp: 154973
Ion Ratio Lower Upper
276 100
277 24.4 18.6 28.0
138 19.5 15.9 23.9

