

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143181.D
 Acq On : 22 Jul 2025 10:55
 Operator : RC/JU
 Sample : Q2635-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286MSD

Quant Time: Jul 22 11:37:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	136589	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	529762	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274462	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	414650	20.000	ng	0.00
76) Chrysene-d12	14.133	240	276295	20.000	ng	0.01
86) Perylene-d12	15.639	264	228694	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	716143	82.969	ng	0.01
7) Phenol-d6	6.587	99	935920	86.147	ng	0.00
23) Nitrobenzene-d5	7.522	82	613436	57.720	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	244844	86.354	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1059631	52.801	ng	0.00
79) Terphenyl-d14	13.069	244	800209	43.099	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.863	88	142826	34.971	ng	100
3) Pyridine	3.628	79	387513	36.555	ng	99
4) n-Nitrosodimethylamine	3.569	42	226567	41.396	ng	99
6) Aniline	6.622	93	355683	23.491	ng	95
8) 2-Chlorophenol	6.751	128	380878	42.098	ng	98
9) Benzaldehyde	6.510	77	267699	32.860	ng	99
10) Phenol	6.604	94	507938	42.917	ng	98
11) bis(2-Chloroethyl)ether	6.693	93	375500	41.437	ng	99
12) 1,3-Dichlorobenzene	6.910	146	396098	40.301	ng	98
13) 1,4-Dichlorobenzene	6.981	146	400666	40.480	ng	99
14) 1,2-Dichlorobenzene	7.134	146	385915	40.994	ng	99
15) Benzyl Alcohol	7.098	79	366706	44.206	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	695231	41.357	ng	99
17) 2-Methylphenol	7.210	107	323602	42.538	ng	99
18) Hexachloroethane	7.481	117	145589	42.489	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	282181	40.484	ng	99
20) 3+4-Methylphenols	7.363	107	396436	42.952	ng	# 81
22) Acetophenone	7.369	105	518130	41.311	ng	97
24) Nitrobenzene	7.540	77	429974	43.395	ng	98
25) Isophorone	7.781	82	793276	42.282	ng	99
26) 2-Nitrophenol	7.857	139	207791	48.321	ng	99
27) 2,4-Dimethylphenol	7.892	122	371287	42.358	ng	100
28) bis(2-Chloroethoxy)met...	7.987	93	469100	41.702	ng	100
29) 2,4-Dichlorophenol	8.098	162	316852	42.863	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	329282	41.232	ng	99
31) Naphthalene	8.269	128	1159919	44.458	ng	100
32) Benzoic acid	8.010	122	260227	52.195	ng	97
33) 4-Chloroaniline	8.310	127	114890	10.785	ng	98
34) Hexachlorobutadiene	8.392	225	197888	40.563	ng	99
35) Caprolactam	8.681	113	114441	51.232	ng	94
36) 4-Chloro-3-methylphenol	8.792	107	358269	44.590	ng	99
37) 2-Methylnaphthalene	8.957	142	686312	43.229	ng	99
38) 1-Methylnaphthalene	9.057	142	697758	42.680	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	328897	41.506	ng	99
41) Hexachlorocyclopentadiene	9.116	237	241446	46.829	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	238395	43.470	ng	100

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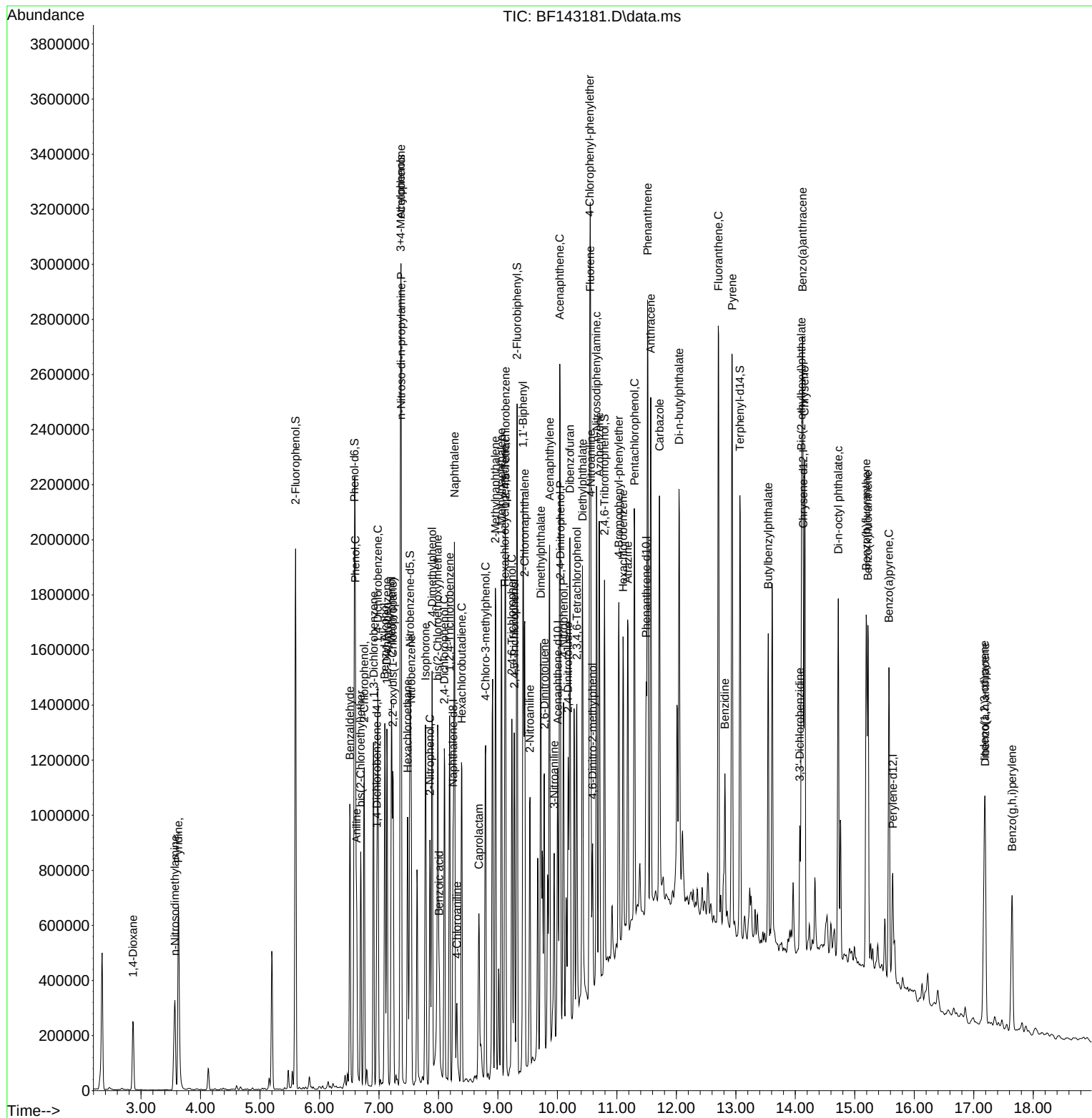
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	238695	43.512	ng	98
46) 1,1'-Biphenyl	9.422	154	906851	42.350	ng	100
47) 2-Chloronaphthalene	9.451	162	661581	41.755	ng	100
48) 2-Nitroaniline	9.539	65	240330	48.368	ng	100
49) Acenaphthylene	9.869	152	1121862	42.250	ng	100
50) Dimethylphthalate	9.722	163	785971	43.933	ng	100
51) 2,6-Dinitrotoluene	9.781	165	174789	48.027	ng	97
52) Acenaphthene	10.039	154	717249	45.702	ng	98
53) 3-Nitroaniline	9.945	138	141784	33.307	ng	99
54) 2,4-Dinitrophenol	10.051	184	138218	83.480	ng	# 7
55) Dibenzofuran	10.210	168	992798	42.608	ng	99
56) 4-Nitrophenol	10.104	139	276705	87.047	ng	98
57) 2,4-Dinitrotoluene	10.181	165	229420	50.245	ng	98
58) Fluorene	10.551	166	745825	42.649	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	198979	43.788	ng	99
60) Diethylphthalate	10.422	149	793884	44.896	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	365015	41.919	ng	99
62) 4-Nitroaniline	10.563	138	150125	41.149	ng	98
63) Azobenzene	10.704	77	832376	45.166	ng	95
65) 4,6-Dinitro-2-methylph...	10.592	198	93180	43.445	ng	96
66) n-Nitrosodiphenylamine	10.657	169	658874	45.125	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	219163	44.351	ng	99
68) Hexachlorobenzene	11.104	284	217668	42.143	ng	98
69) Atrazine	11.186	200	195110	48.470	ng	99
70) Pentachlorophenol	11.298	266	261343	86.042	ng	98
71) Phenanthrene	11.516	178	1215848	55.224	ng	99
72) Anthracene	11.569	178	1016264	45.259	ng	100
73) Carbazole	11.716	167	837062	42.692	ng	99
74) Di-n-butylphthalate	12.045	149	1092339	49.237	ng	99
75) Fluoranthene	12.710	202	1347470	66.679	ng	99
77) Benzidine	12.816	184	297349	27.933	ng	99
78) Pyrene	12.939	202	1345473	57.059	ng	99
80) Butylbenzylphthalate	13.545	149	367405	50.883	ng	98
81) Benzo(a)anthracene	14.121	228	1033853	55.890	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	138194	22.415	ng	100
83) Chrysene	14.157	228	923571	55.532	ng	98
84) Bis(2-ethylhexyl)phtha...	14.104	149	519551	47.538	ng	99
85) Di-n-octyl phthalate	14.721	149	893326	45.094	ng	100
87) Indeno(1,2,3-cd)pyrene	17.180	276	555106	34.423	ng	99
88) Benzo(b)fluoranthene	15.192	252	926002	66.280	ng	98
89) Benzo(k)fluoranthene	15.221	252	688897	55.257	ng	98
90) Benzo(a)pyrene	15.574	252	734037	57.025	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	397652	30.296	ng	99
92) Benzo(g,h,i)perylene	17.645	276	449394	35.394	ng	100

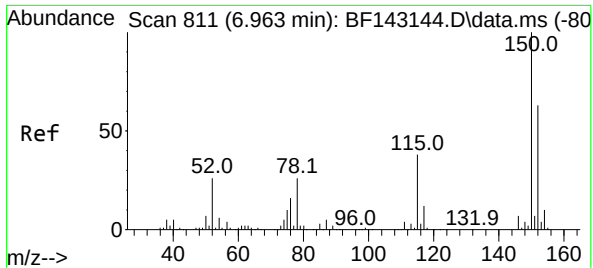
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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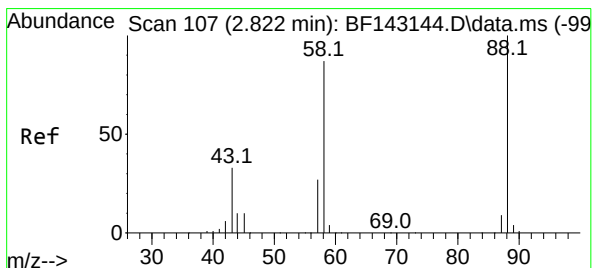
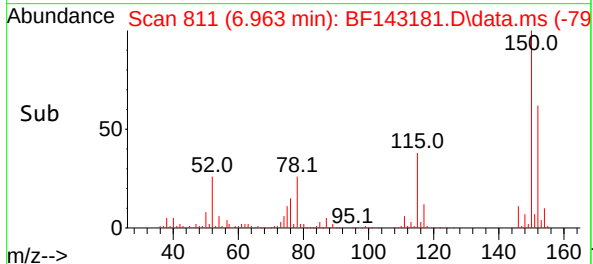
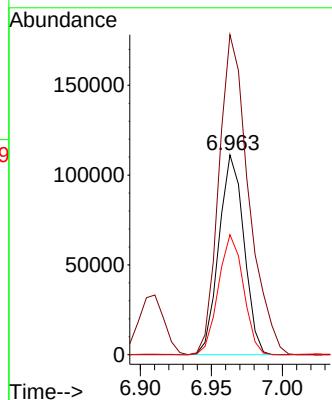
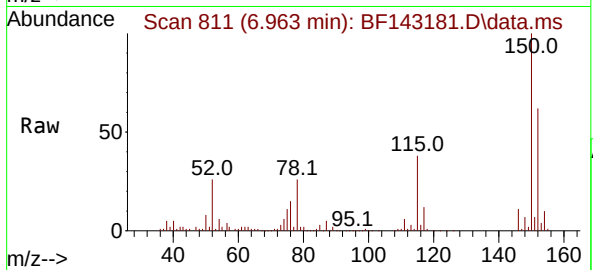




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

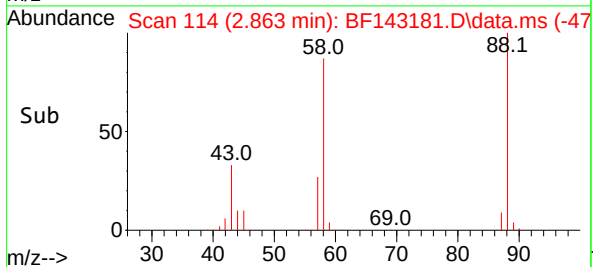
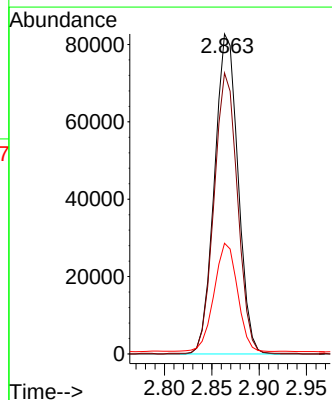
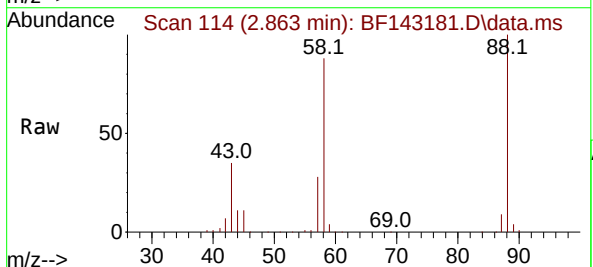
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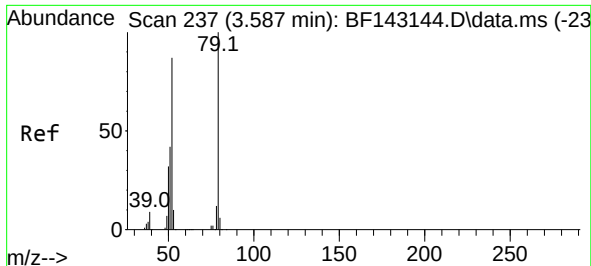
Tgt Ion:152 Resp: 136589
 Ion Ratio Lower Upper
 152 100
 150 160.3 128.2 192.4
 115 60.1 47.9 71.9



#2
 1,4-Dioxane
 Concen: 34.971 ng
 RT: 2.863 min Scan# 114
 Delta R.T. 0.041 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

Tgt Ion: 88 Resp: 142826
 Ion Ratio Lower Upper
 88 100
 58 87.9 70.2 105.2
 43 33.6 27.1 40.7

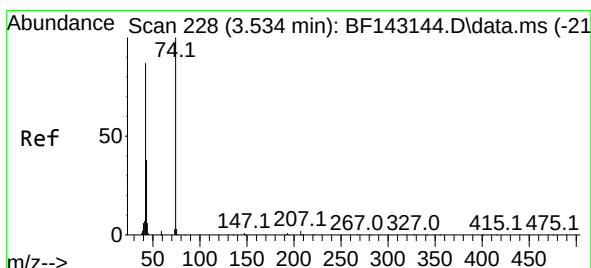
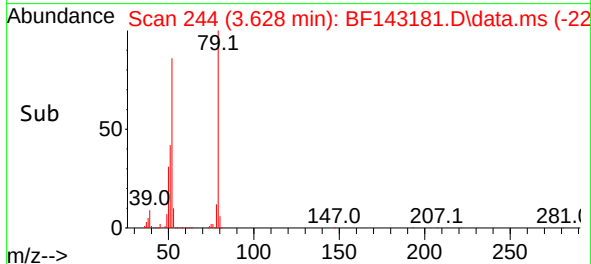
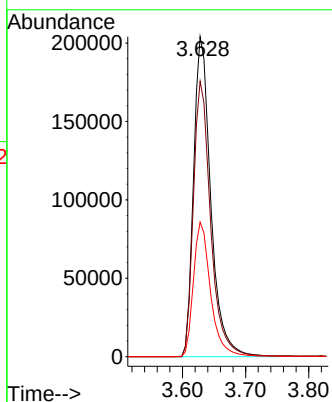
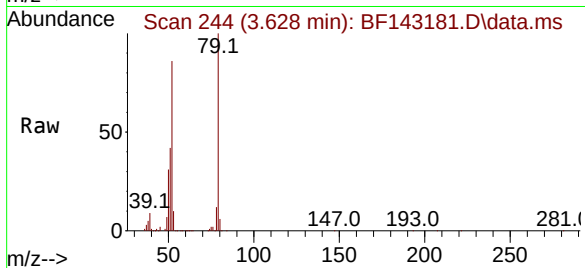




#3
 Pyridine
 Concen: 36.555 ng
 RT: 3.628 min Scan# 24
 Delta R.T. 0.041 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

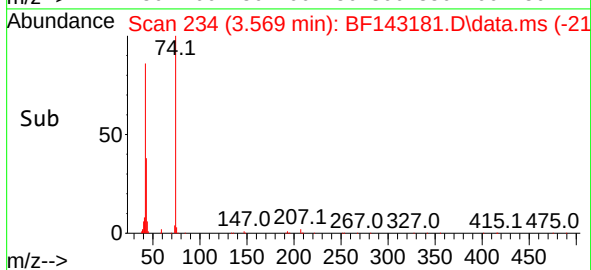
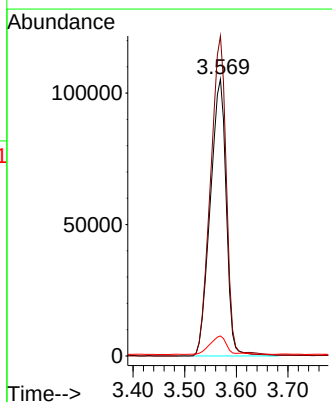
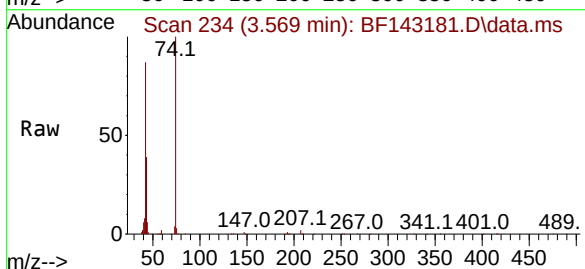
Instrument :
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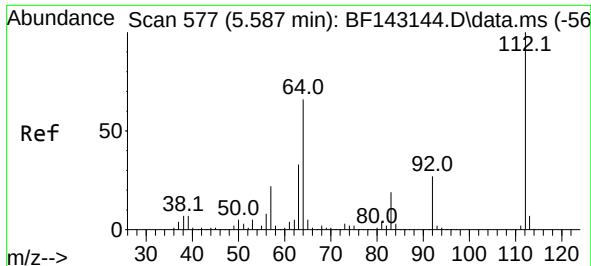
Tgt Ion: 79 Resp: 387513
 Ion Ratio Lower Upper
 79 100
 52 86.1 69.4 104.2
 51 42.0 33.5 50.3



#4
 n-Nitrosodimethylamine
 Concen: 41.396 ng
 RT: 3.569 min Scan# 234
 Delta R.T. 0.035 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

Tgt Ion: 42 Resp: 226567
 Ion Ratio Lower Upper
 42 100
 74 115.6 91.7 137.5
 44 7.2 5.6 8.4

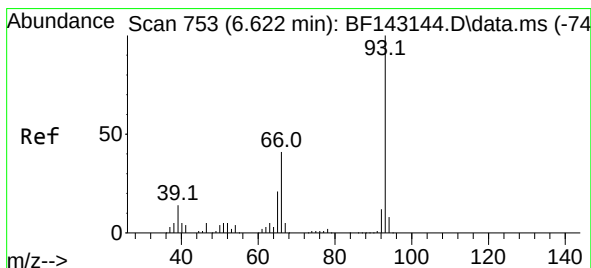
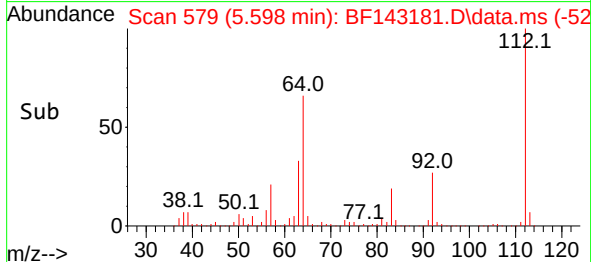
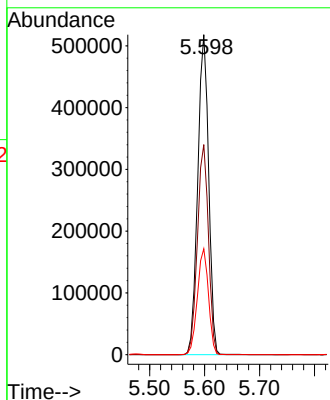
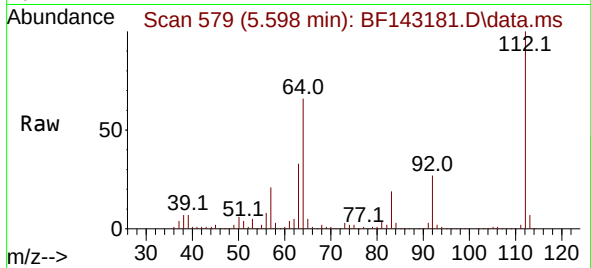




#5
2-Fluorophenol
Concen: 82.969 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

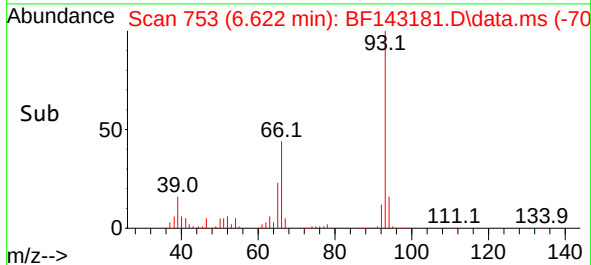
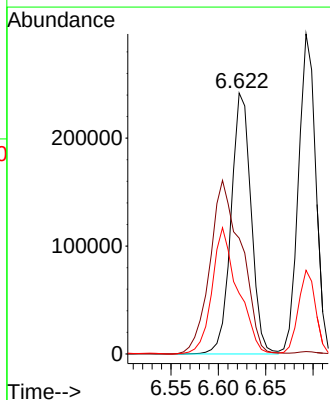
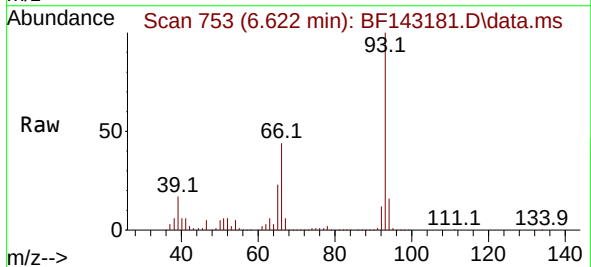
Instrument :
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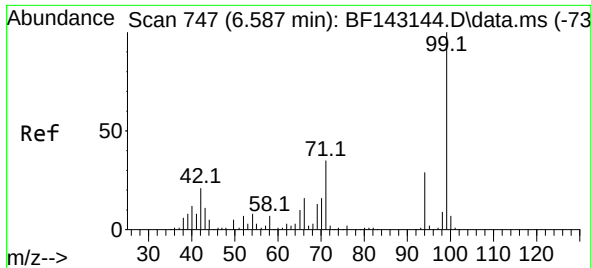
Tgt Ion:112 Resp: 716143
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 23.491 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion: 93 Resp: 355683
Ion Ratio Lower Upper
93 100
66 44.4 33.2 49.8
65 23.2 16.9 25.3

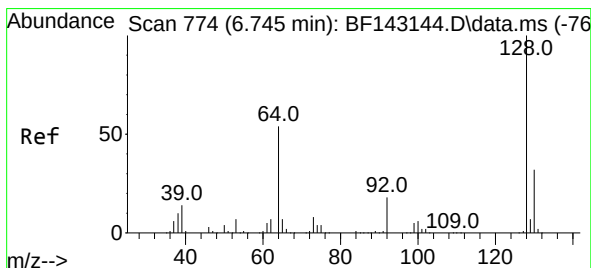
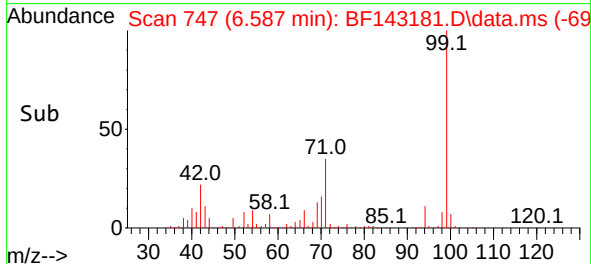
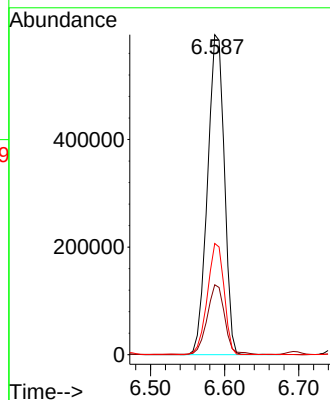
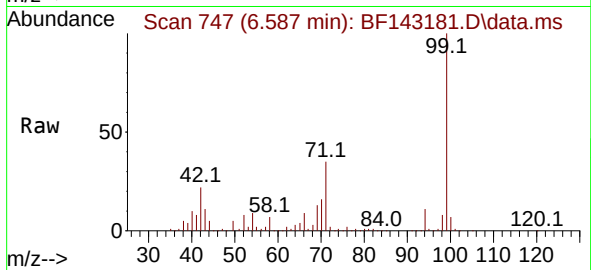




#7
Phenol-d6
Concen: 86.147 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

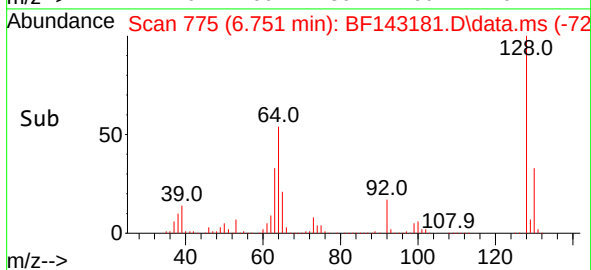
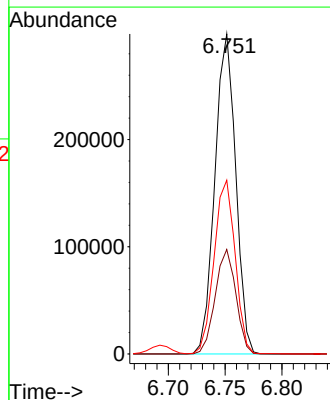
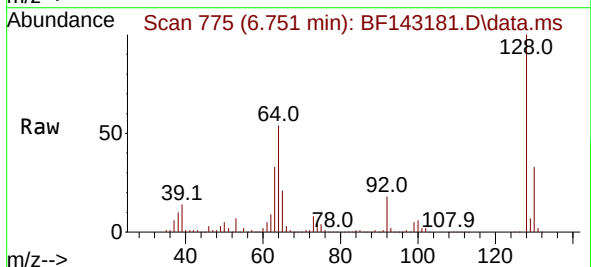
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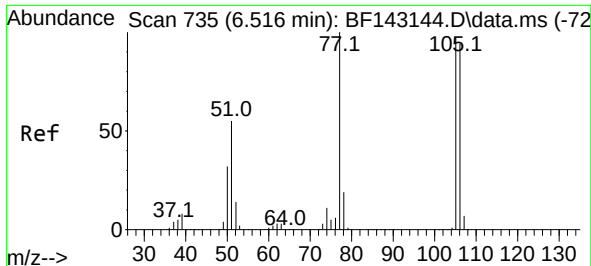
Tgt Ion: 99 Resp: 935920
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 34.8 27.7 41.5



#8
2-Chlorophenol
Concen: 42.098 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:128 Resp: 380878
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 54.3 35.9 75.9





#9

Benzaldehyde

Concen: 32.860 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

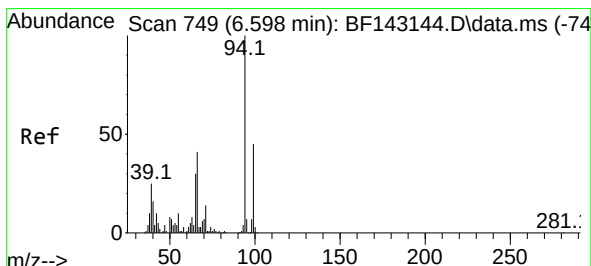
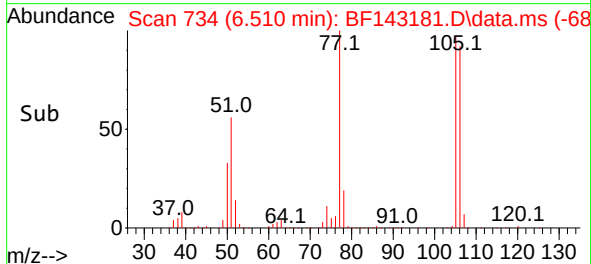
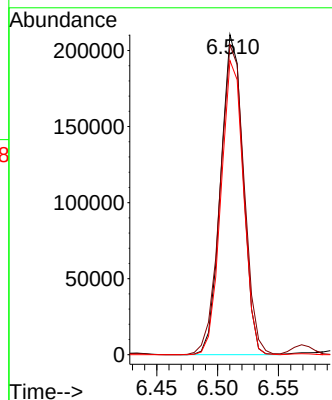
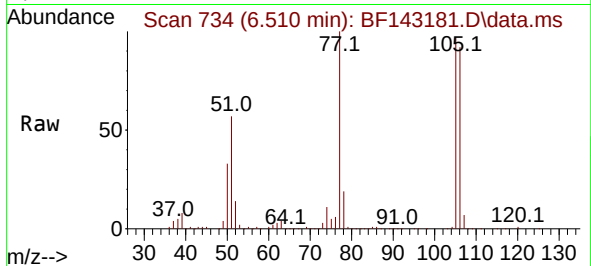
Tgt Ion: 77 Resp: 267699

Ion Ratio Lower Upper

77 100

105 96.8 76.8 116.8

106 91.9 74.4 114.4



#10

Phenol

Concen: 42.917 ng

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

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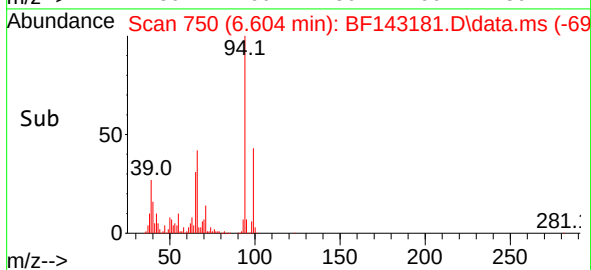
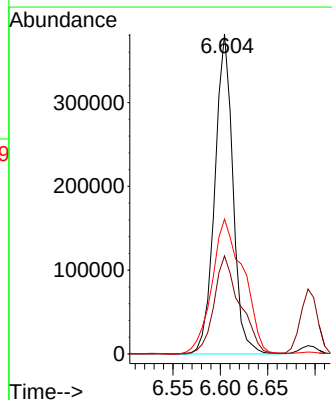
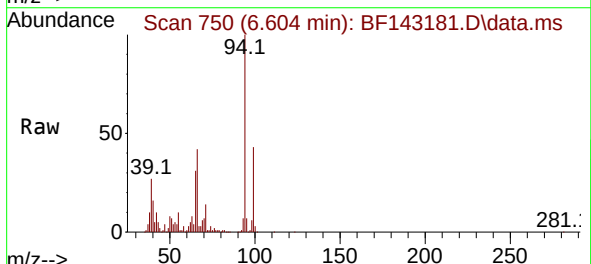
Tgt Ion: 94 Resp: 507938

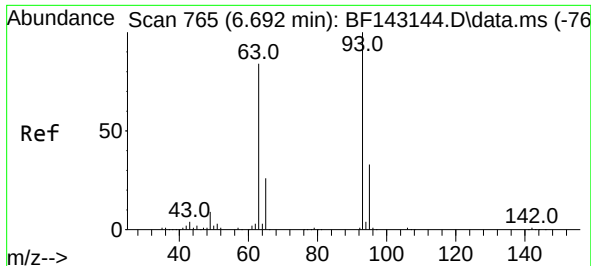
Ion Ratio Lower Upper

94 100

65 30.6 10.0 50.0

66 42.2 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 41.437 ng

RT: 6.693 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

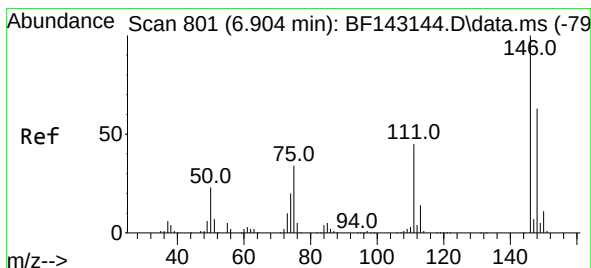
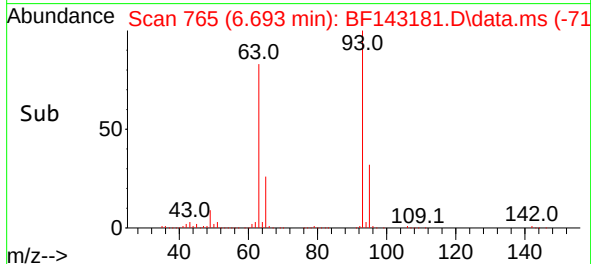
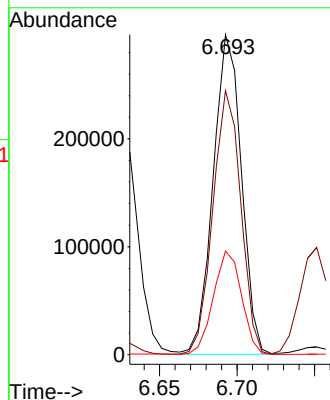
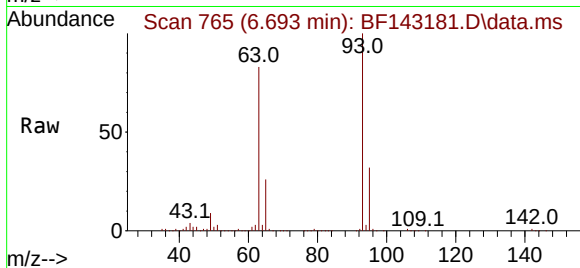
Tgt Ion: 93 Resp: 375500

Ion Ratio Lower Upper

93 100

63 82.5 63.4 103.4

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 40.301 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

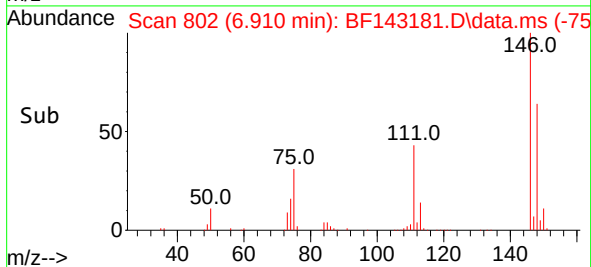
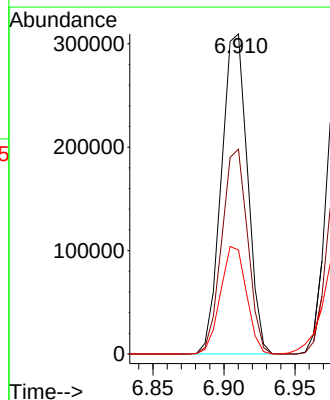
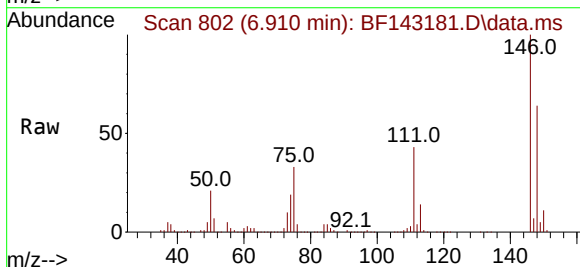
Tgt Ion:146 Resp: 396098

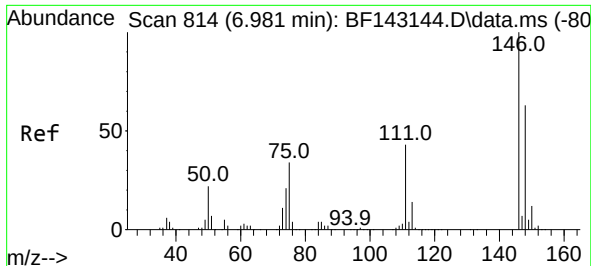
Ion Ratio Lower Upper

146 100

148 64.0 50.6 76.0

75 32.5 27.4 41.2

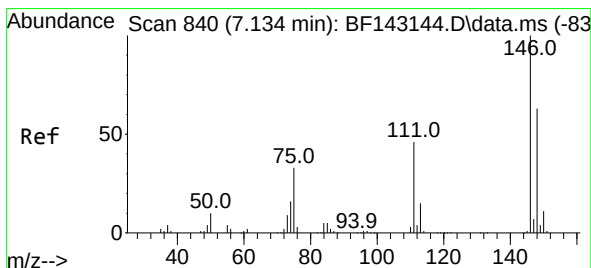
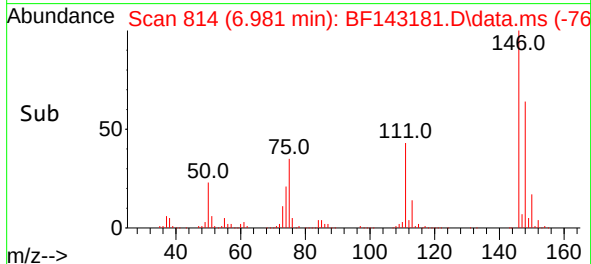
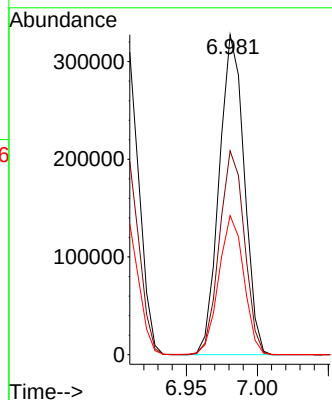
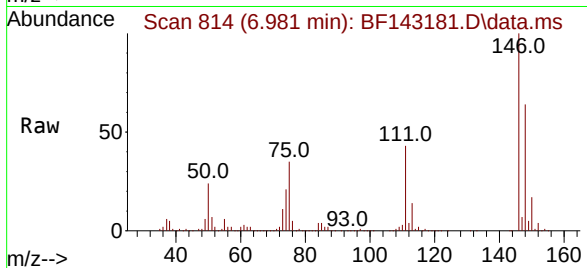




#13
1,4-Dichlorobenzene
Concen: 40.480 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

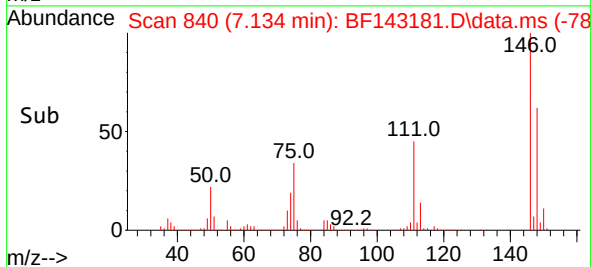
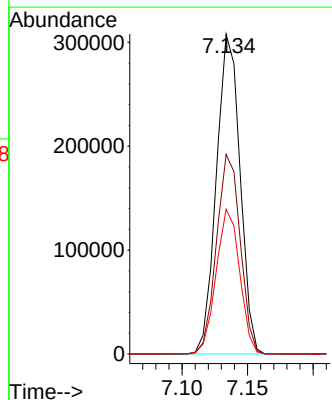
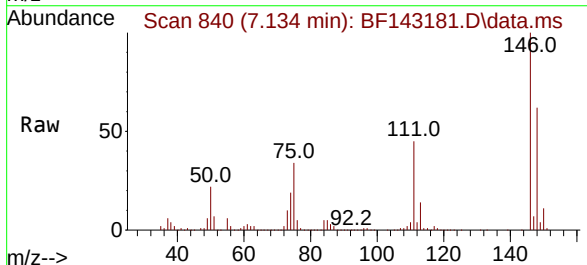
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

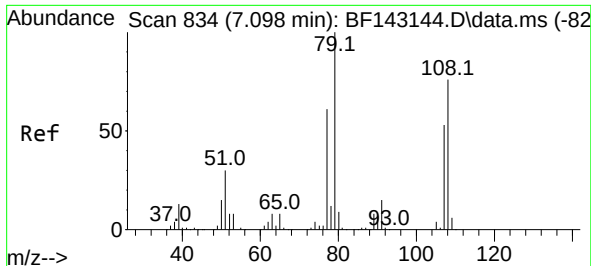
Tgt Ion:146 Resp: 400666
Ion Ratio Lower Upper
146 100
148 63.7 50.3 75.5
111 43.4 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 40.994 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:146 Resp: 385915
Ion Ratio Lower Upper
146 100
148 62.3 50.7 76.1
111 45.2 36.6 54.8

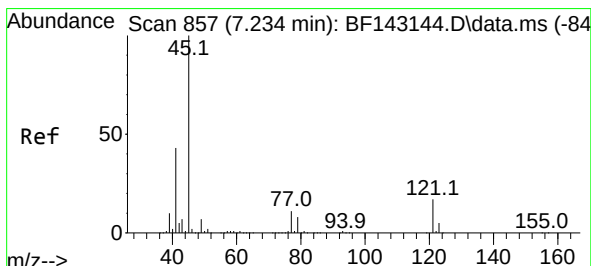
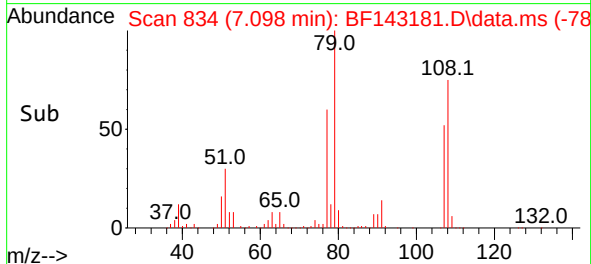
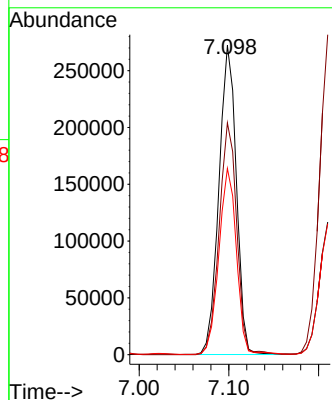
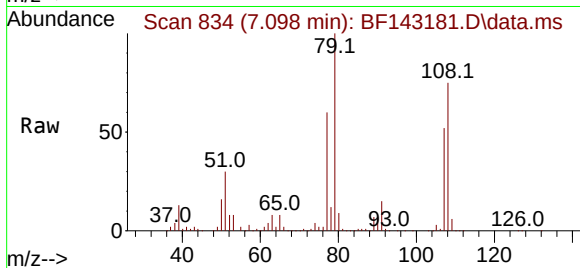




#15
Benzyl Alcohol
Concen: 44.206 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

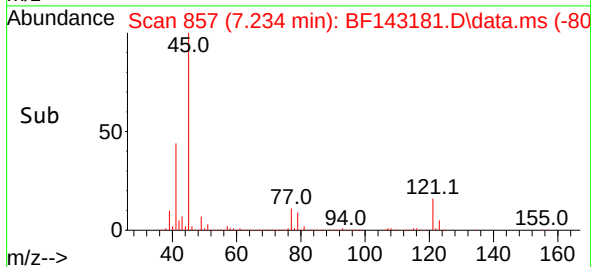
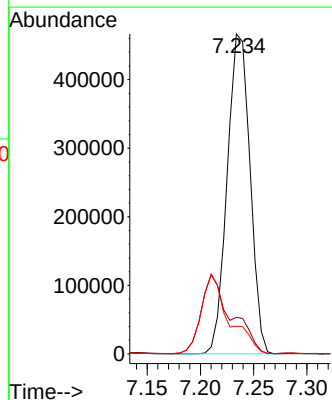
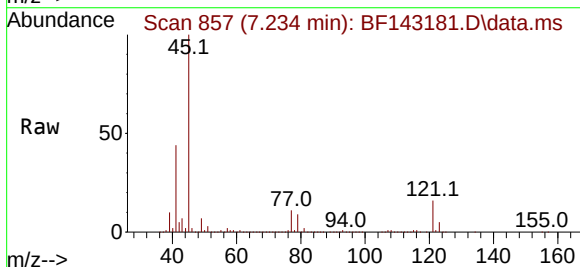
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

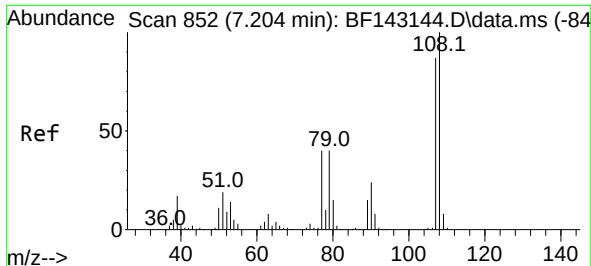
Tgt Ion: 79 Resp: 366706
Ion Ratio Lower Upper
79 100
108 75.0 61.1 91.7
77 60.2 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 41.357 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion: 45 Resp: 695231
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.2
79 8.7 0.0 28.5

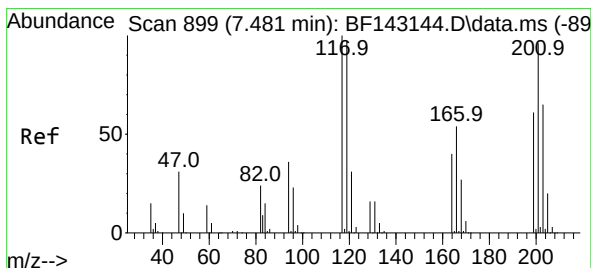
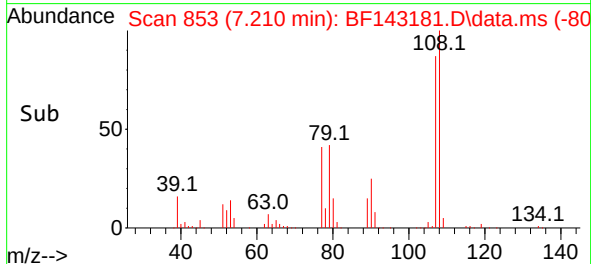
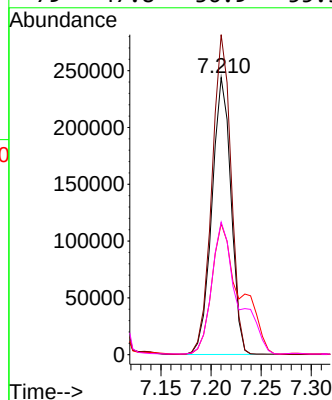
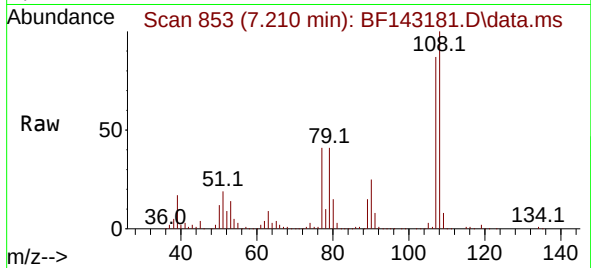




#17
2-Methylphenol
Concen: 42.538 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

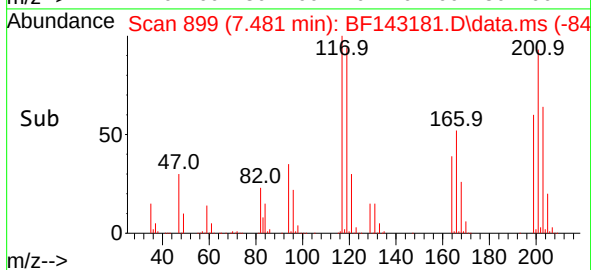
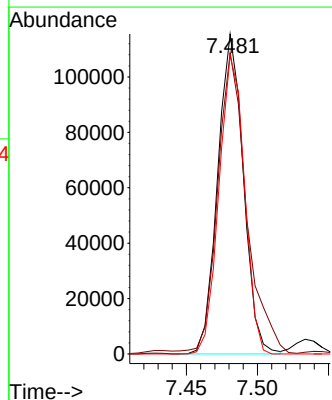
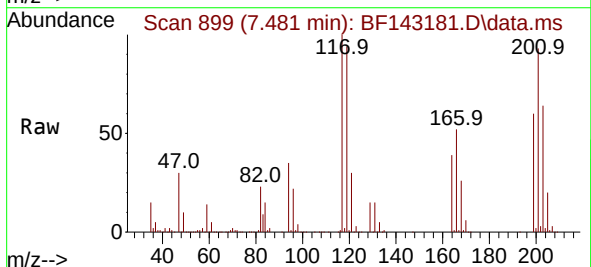
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

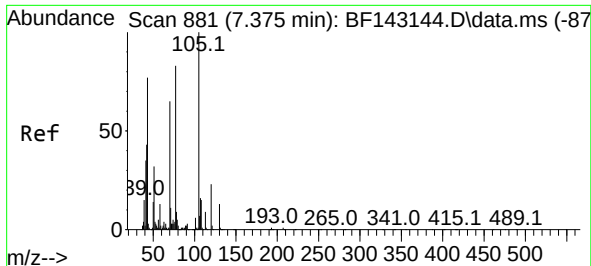
Tgt Ion:107 Resp: 323602
Ion Ratio Lower Upper
107 100
108 115.5 91.8 137.6
77 47.3 37.0 55.6
79 47.8 36.9 55.3



#18
Hexachloroethane
Concen: 42.489 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:117 Resp: 145589
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.8
201 93.3 77.0 115.4

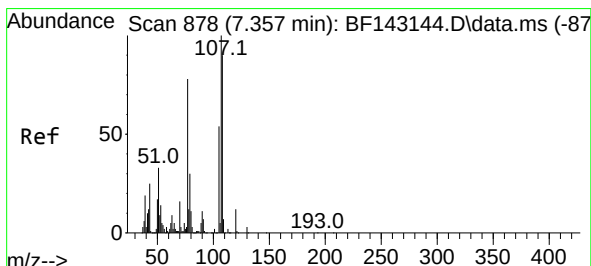
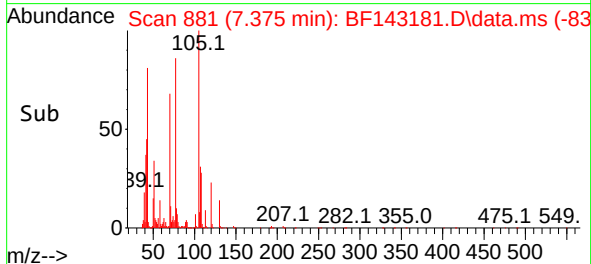
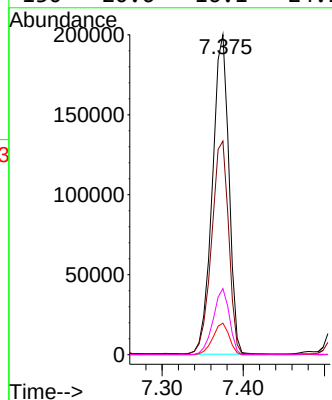
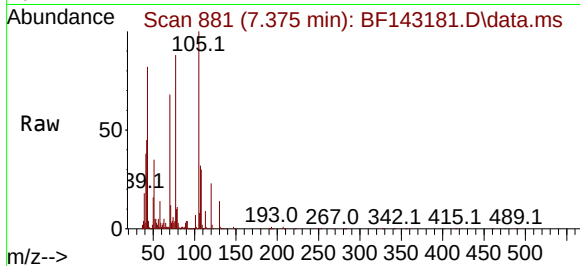




#19
n-Nitroso-di-n-propylamine
Concen: 40.484 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

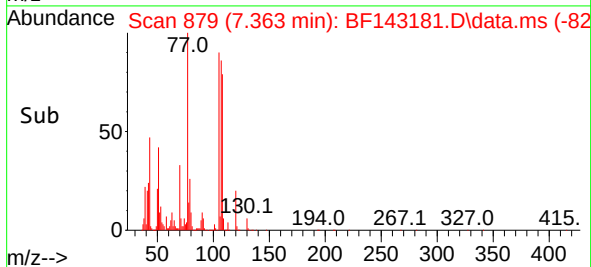
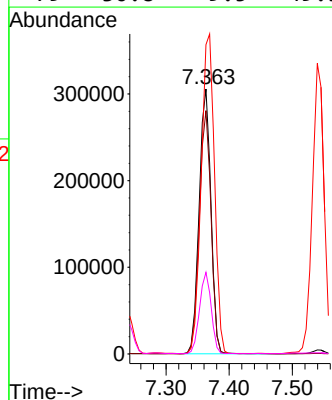
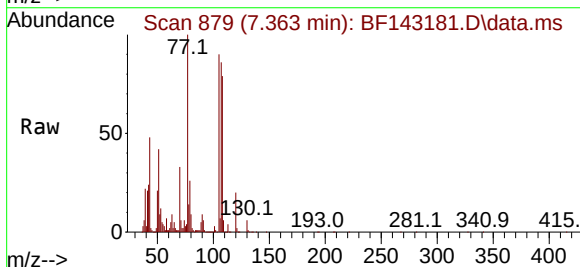
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

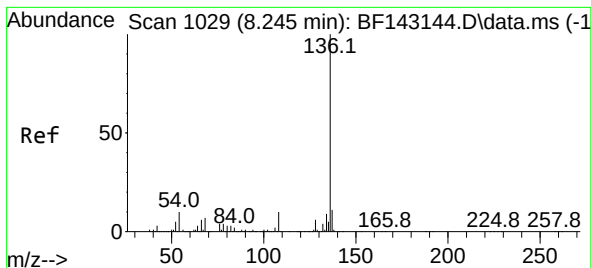
Tgt Ion:	70	Resp:	282181
Ion	Ratio	Lower	Upper
70	100		
42	66.8	52.5	78.7
101	9.9	7.6	11.4
130	20.6	16.1	24.1



#20
3+4-Methylphenols
Concen: 42.952 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:	107	Resp:	396436
Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	116.7	57.8	97.8#
79	30.8	9.5	49.5

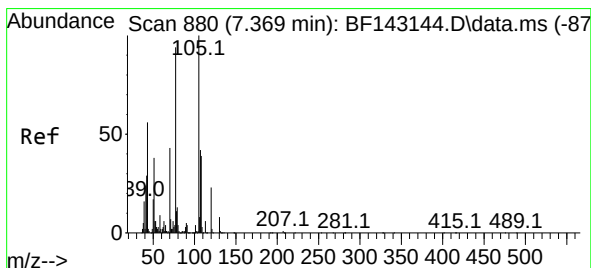
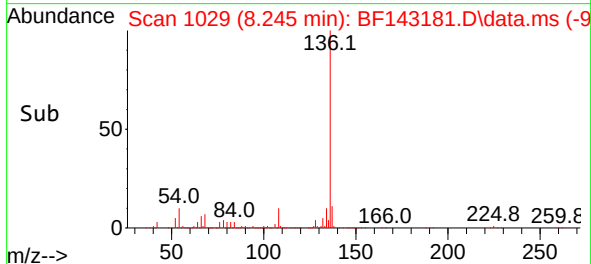
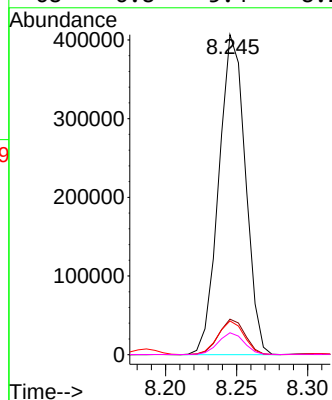
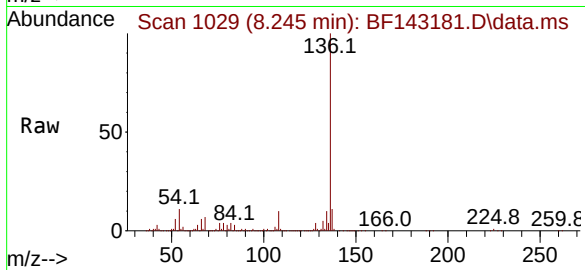




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

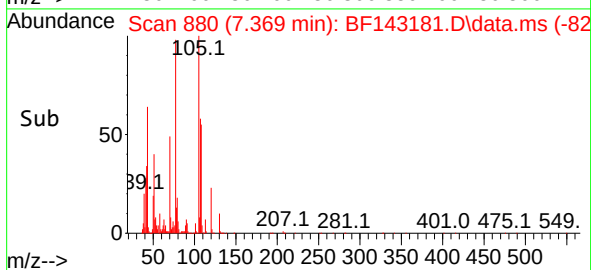
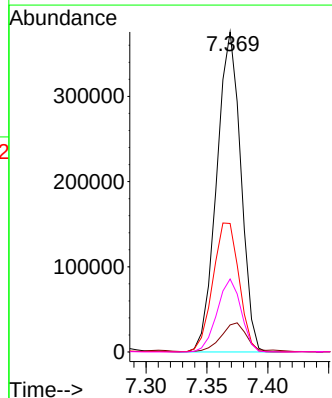
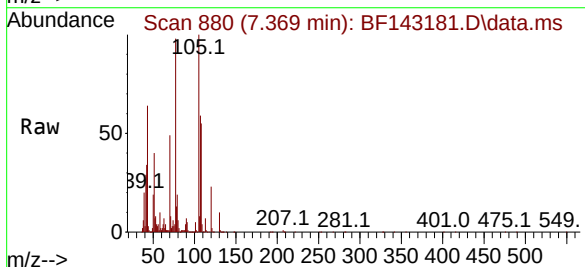
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

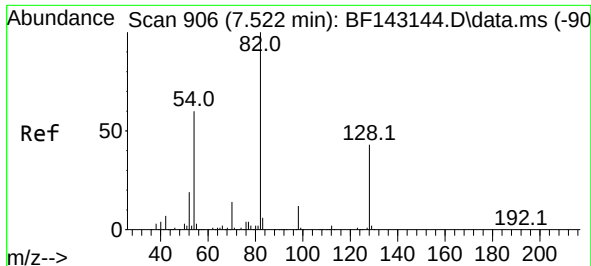
Tgt Ion:	136	Resp:	529762
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.8	5.4	8.2



#22
Acetophenone
Concen: 41.311 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:	105	Resp:	518130
Ion Ratio	Lower	Upper	
105	100		
71	8.5	5.8	8.6
51	40.1	30.2	45.2
120	22.8	18.2	27.4

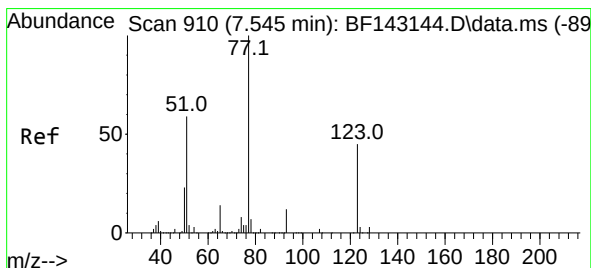
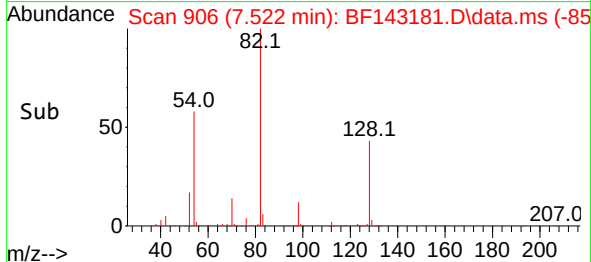
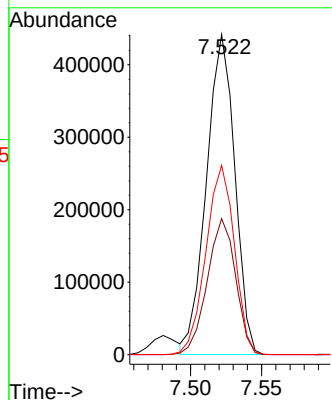
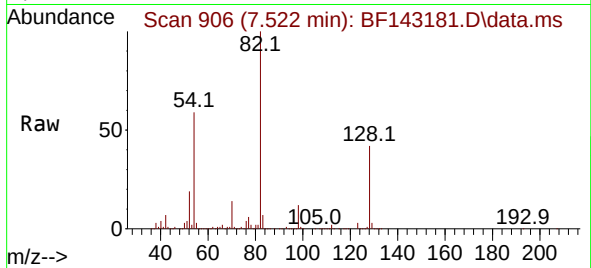




#23
Nitrobenzene-d5
Concen: 57.720 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

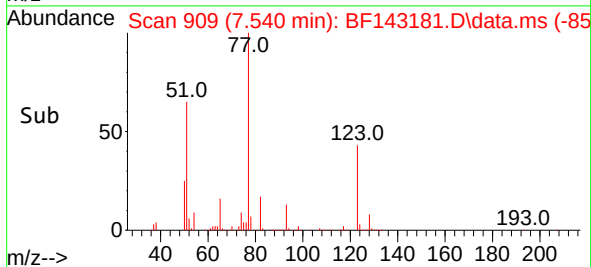
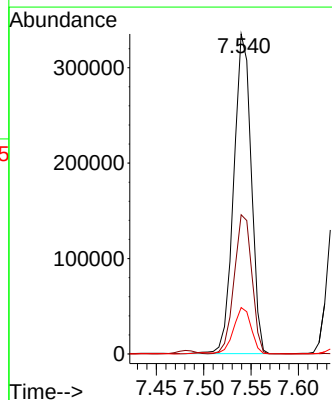
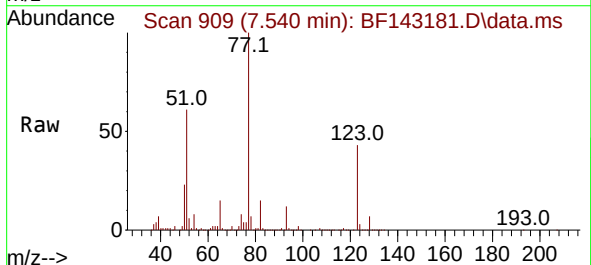
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

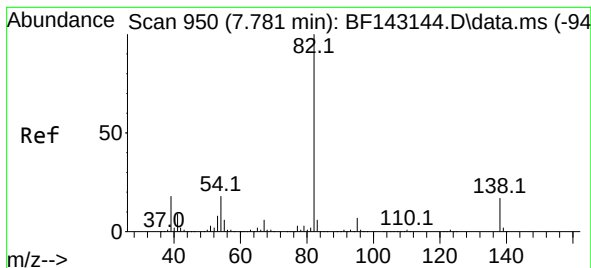
Tgt Ion: 82 Resp: 613436
Ion Ratio Lower Upper
82 100
128 42.5 33.6 50.4
54 59.2 47.1 70.7



#24
Nitrobenzene
Concen: 43.395 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion: 77 Resp: 429974
Ion Ratio Lower Upper
77 100
123 43.5 36.1 54.1
65 14.5 11.4 17.2





#25

Isophorone

Concen: 42.282 ng

RT: 7.781 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

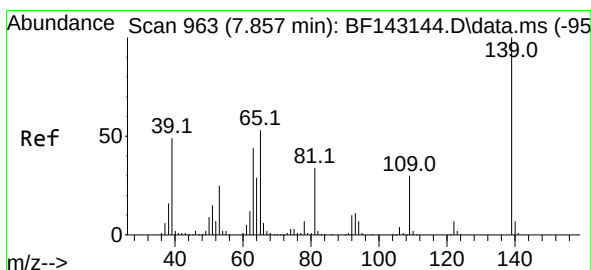
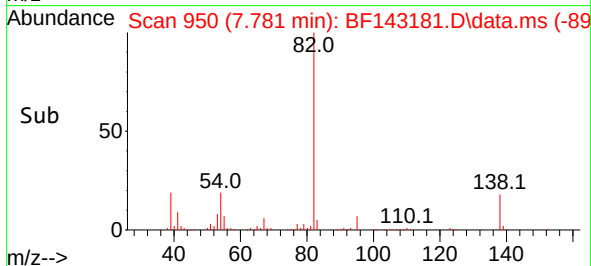
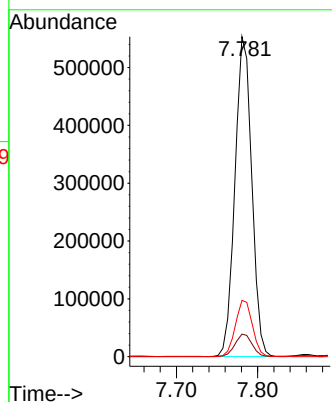
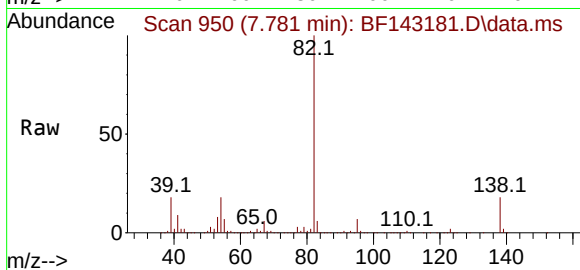
Tgt Ion: 82 Resp: 793276

Ion Ratio Lower Upper

82 100

95 7.0 5.5 8.3

138 17.6 13.8 20.8



#26

2-Nitrophenol

Concen: 48.321 ng

RT: 7.857 min Scan# 963

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

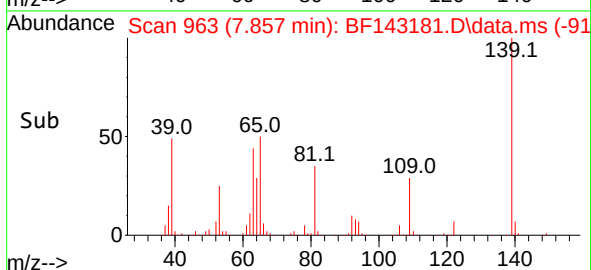
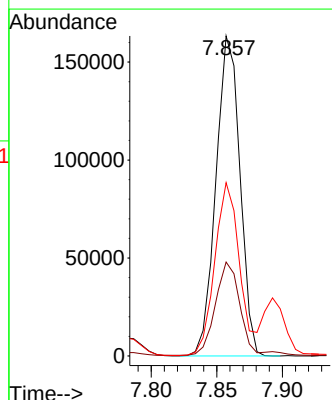
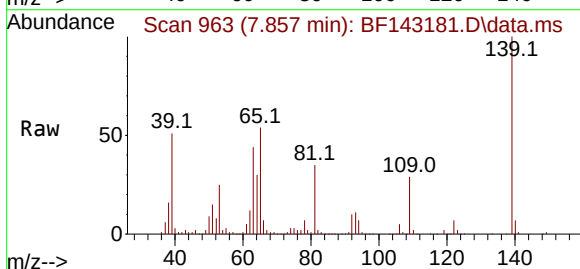
Tgt Ion:139 Resp: 207791

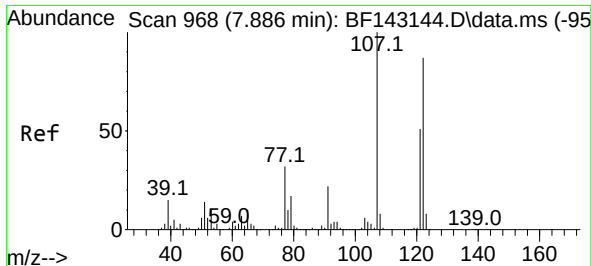
Ion Ratio Lower Upper

139 100

109 29.3 23.6 35.4

65 54.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 42.358 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

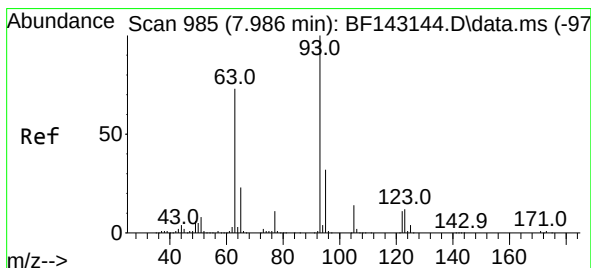
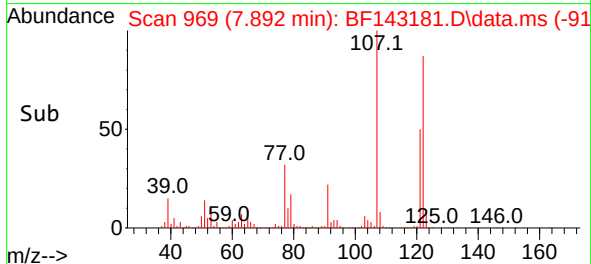
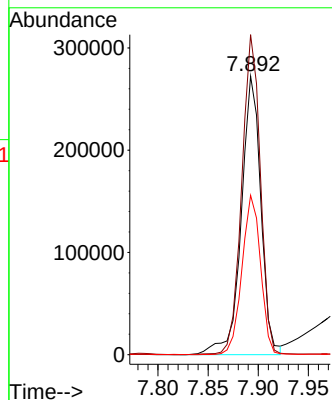
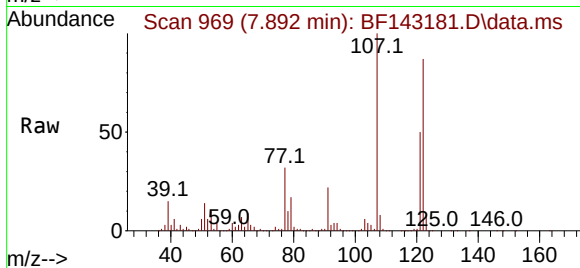
Tgt Ion:122 Resp: 371287

Ion Ratio Lower Upper

122 100

107 114.9 91.8 137.6

121 57.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 41.702 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

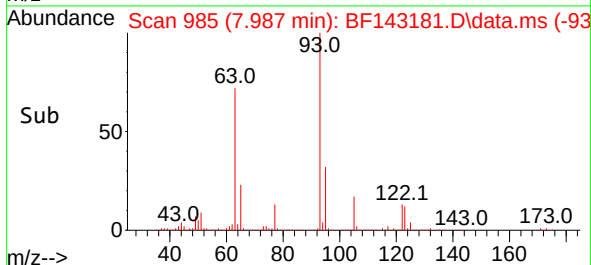
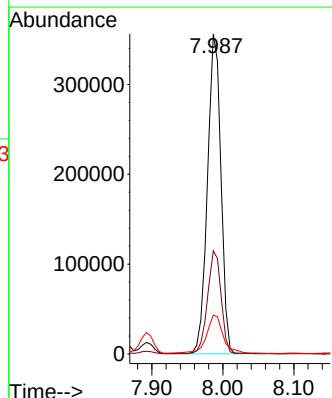
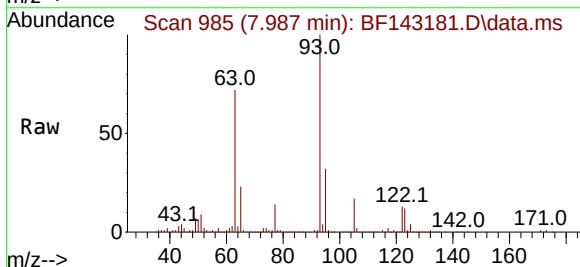
Tgt Ion: 93 Resp: 469100

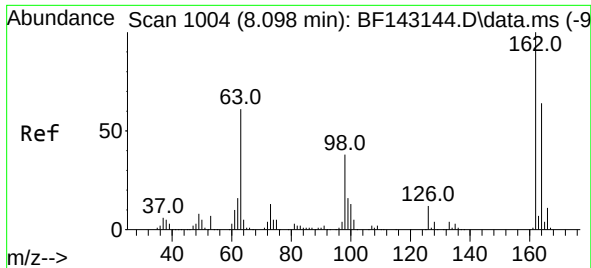
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 42.863 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

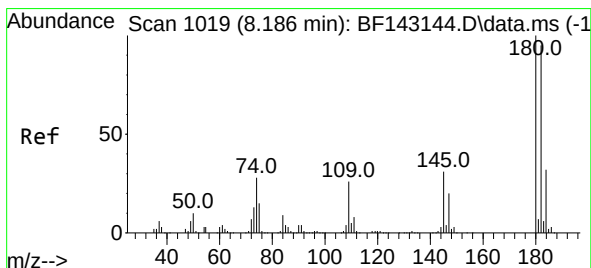
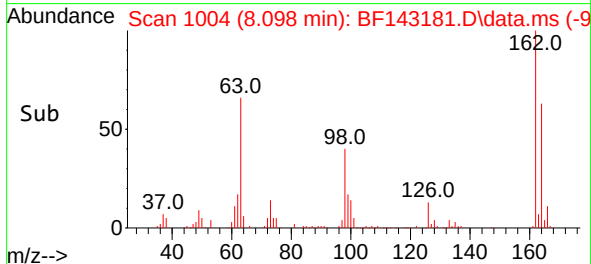
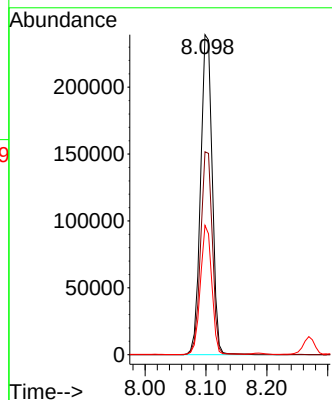
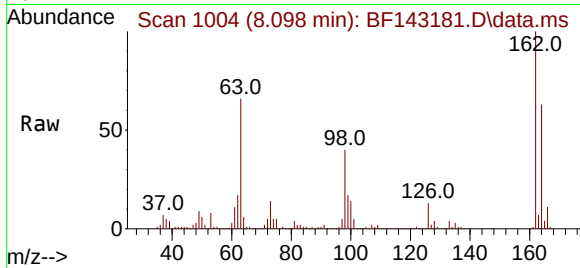
Tgt Ion:162 Resp: 316852

Ion Ratio Lower Upper

162 100

164 63.4 44.2 84.2

98 40.4 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 41.232 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

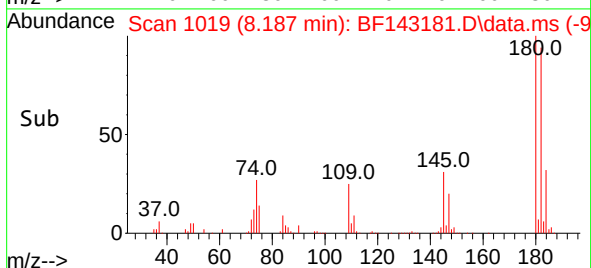
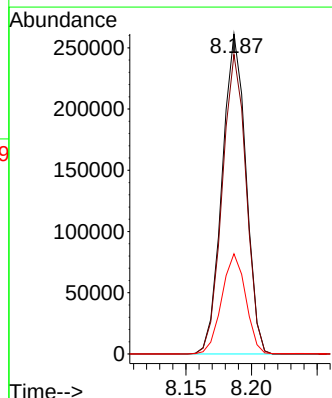
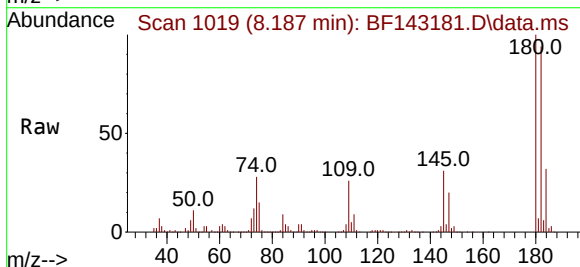
Tgt Ion:180 Resp: 329282

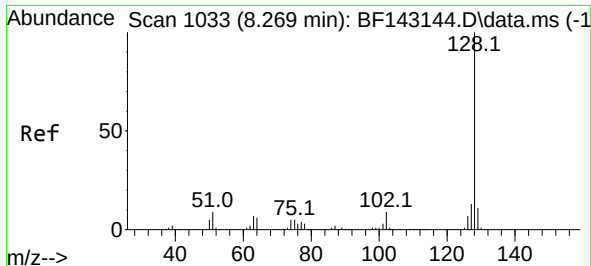
Ion Ratio Lower Upper

180 100

182 93.6 76.2 114.2

145 31.3 25.0 37.6

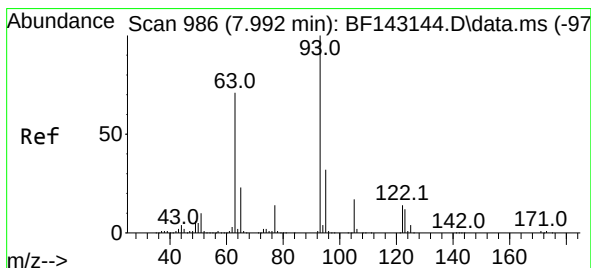
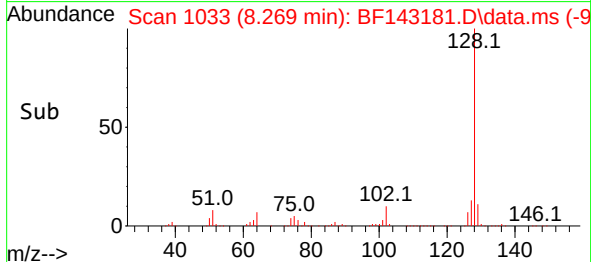
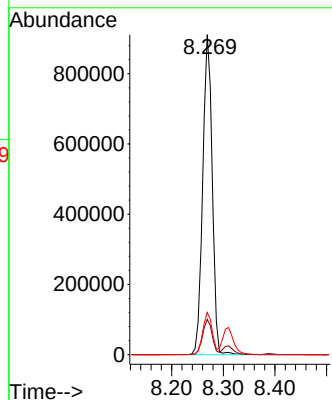
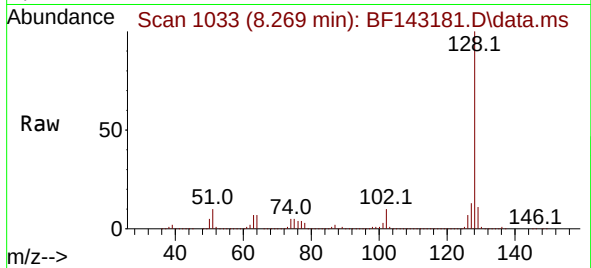




#31
Naphthalene
Concen: 44.458 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

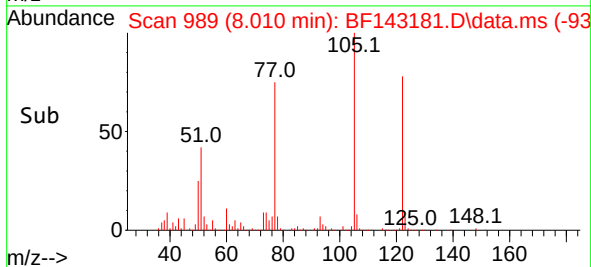
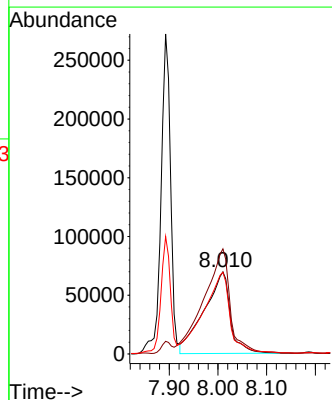
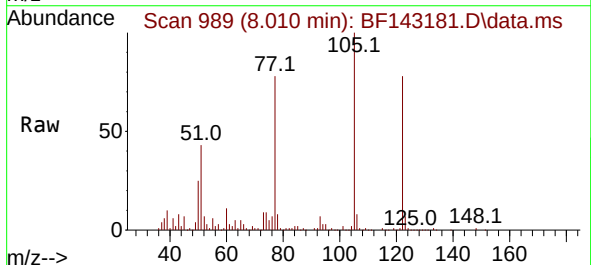
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

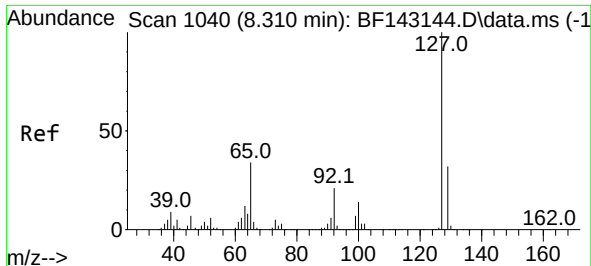
Tgt Ion:128 Resp: 1159919
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 52.195 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:122 Resp: 260227
Ion Ratio Lower Upper
122 100
105 128.1 104.8 144.8
77 99.6 77.6 117.6

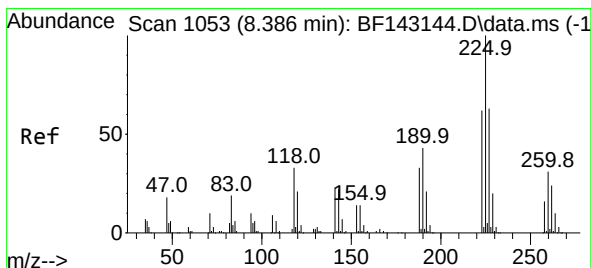
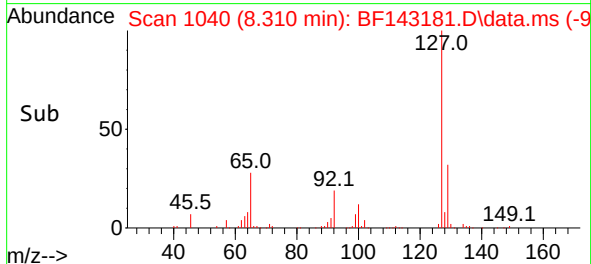
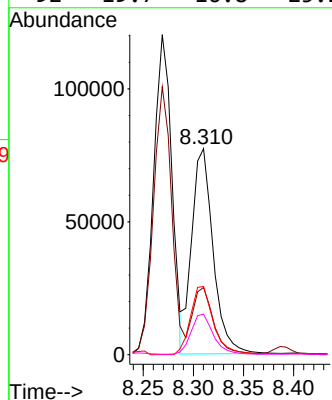
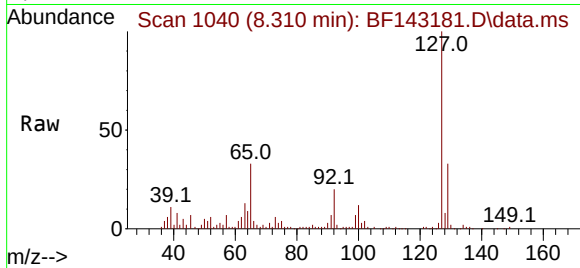




#33
4-Chloroaniline
Concen: 10.785 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

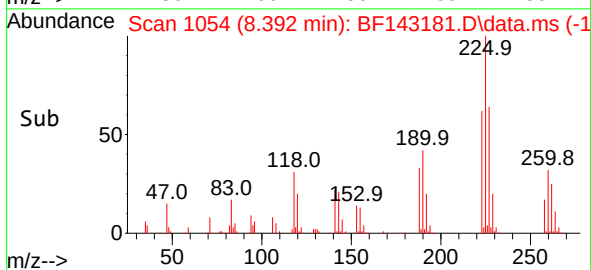
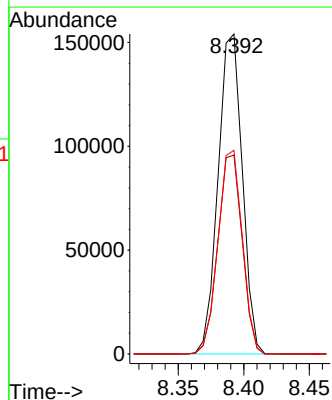
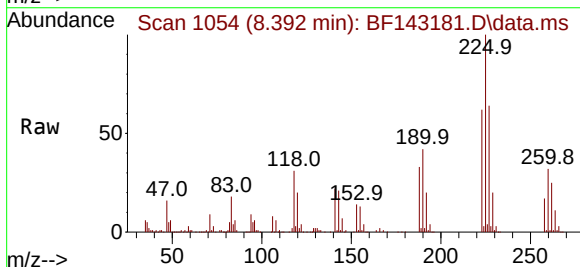
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

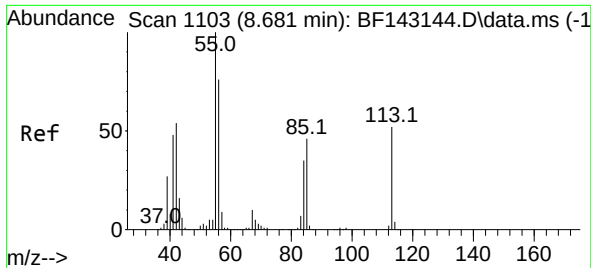
Tgt Ion:	127	Resp:	114890
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	33.1	27.4	41.2
92	19.7	16.8	25.2



#34
Hexachlorobutadiene
Concen: 40.563 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:	225	Resp:	197888
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	63.7	50.2	75.4

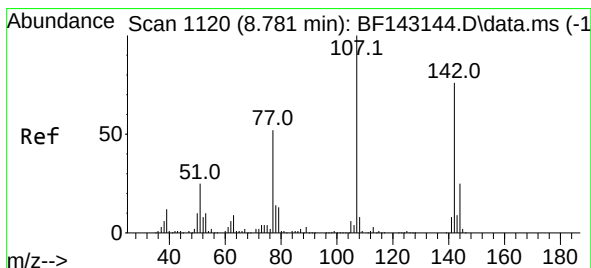
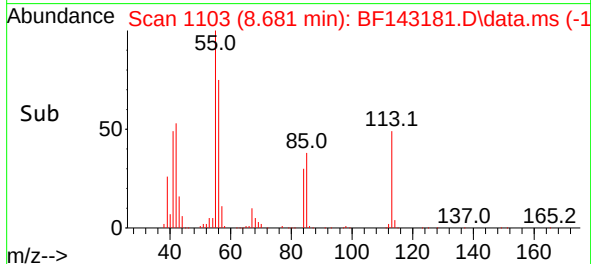
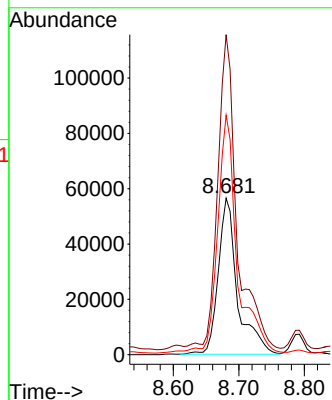
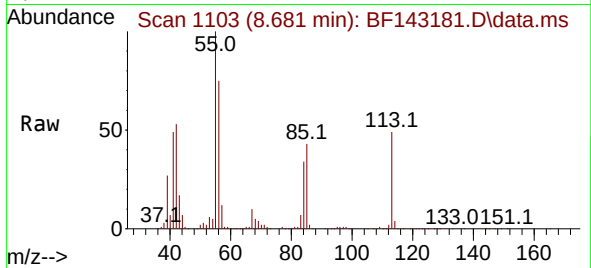




#35
 Caprolactam
 Concen: 51.232 ng
 RT: 8.681 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

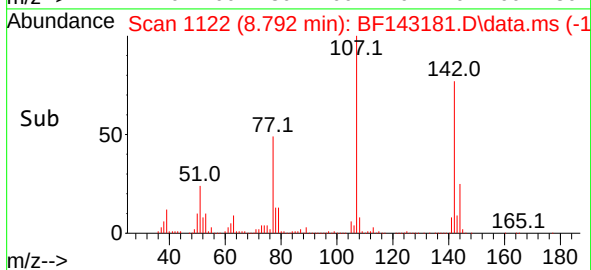
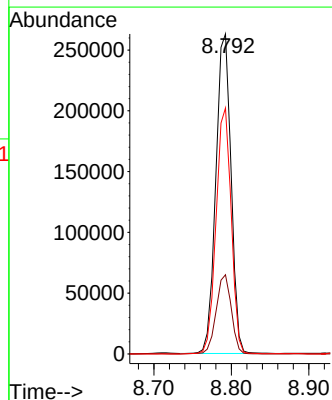
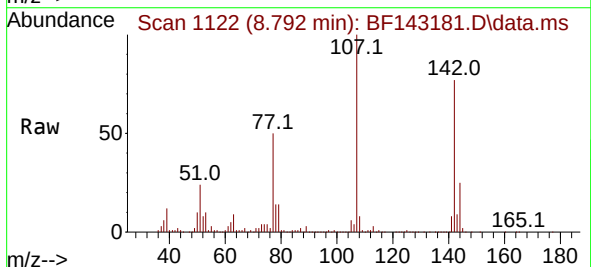
Instrument :
 BNA_F
 ClientSampleId :
 RT2286MSD

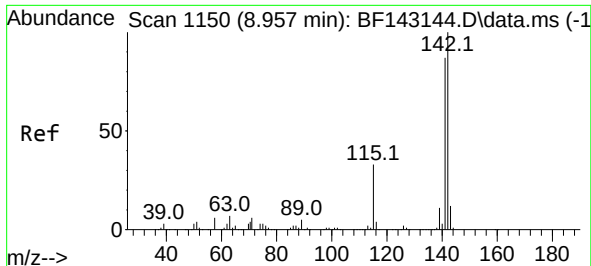
Tgt Ion:113 Resp: 114441
 Ion Ratio Lower Upper
 113 100
 55 204.6 174.0 214.0
 56 153.2 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 44.590 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

Tgt Ion:107 Resp: 358269
 Ion Ratio Lower Upper
 107 100
 144 24.8 19.8 29.6
 142 76.9 60.6 90.8

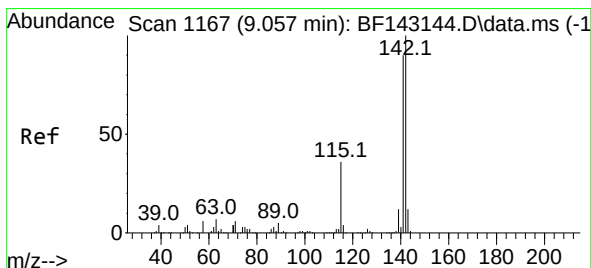
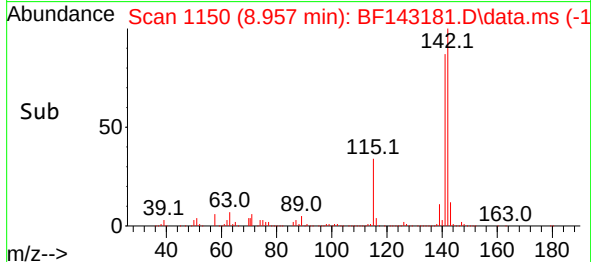
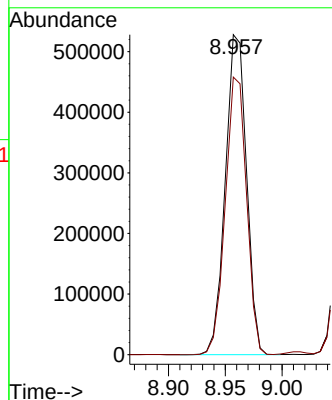
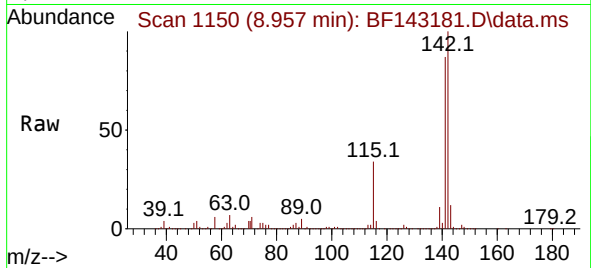




#37
2-Methylnaphthalene
Concen: 43.229 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

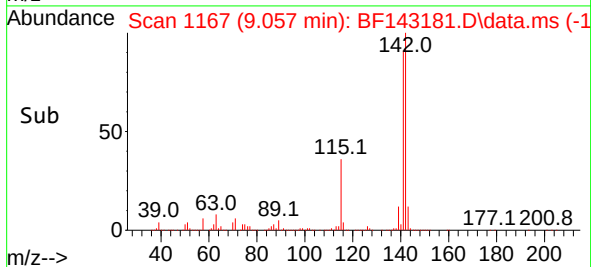
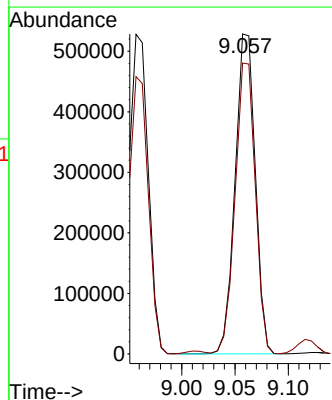
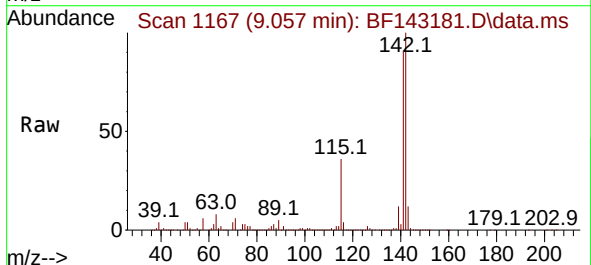
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

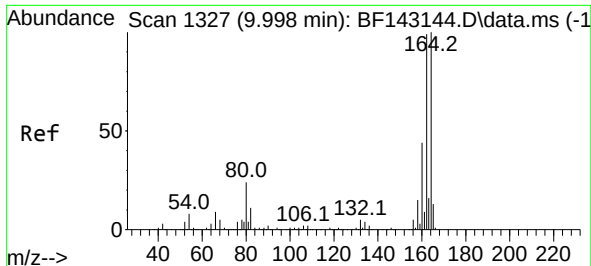
Tgt Ion:142 Resp: 686312
Ion Ratio Lower Upper
142 100
141 86.8 69.9 104.9



#38
1-Methylnaphthalene
Concen: 42.680 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:142 Resp: 697758
Ion Ratio Lower Upper
142 100
141 90.9 72.3 108.5

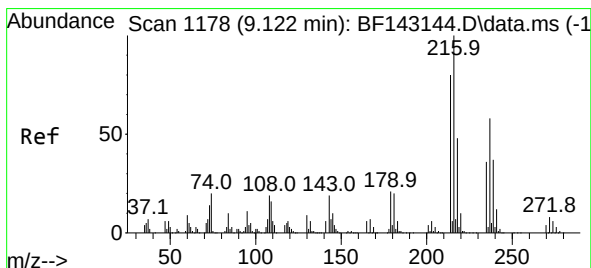
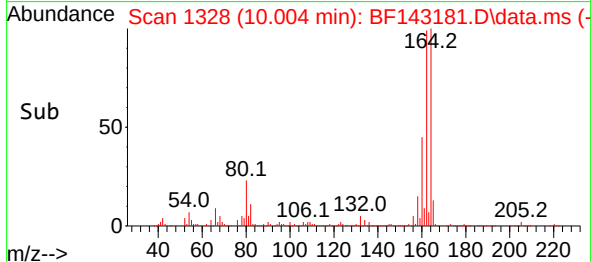
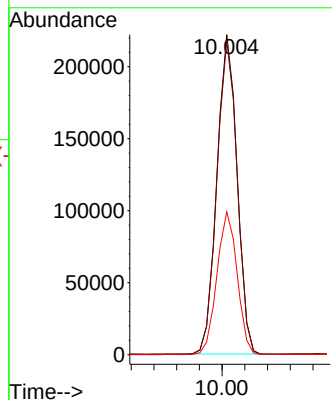
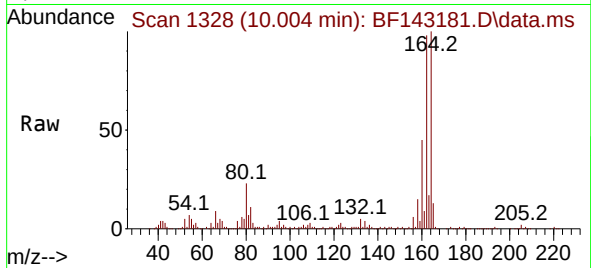




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

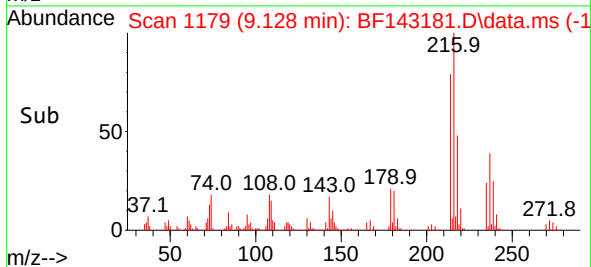
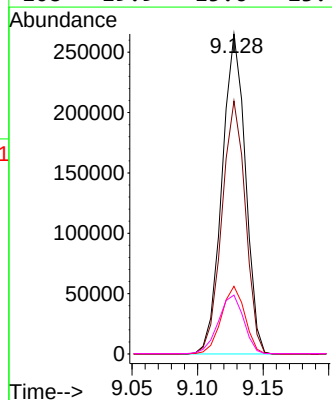
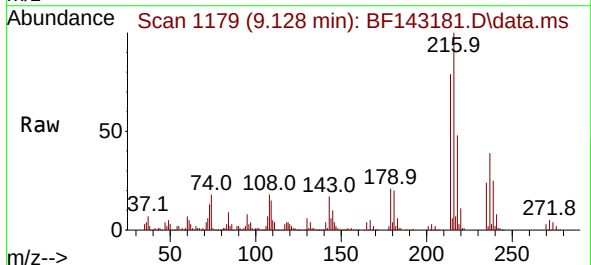
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

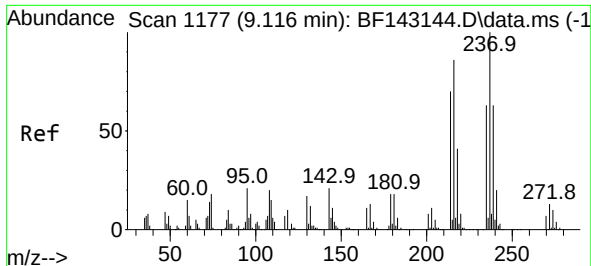
Tgt Ion:164 Resp: 274462
Ion Ratio Lower Upper
164 100
162 98.2 79.0 118.6
160 44.7 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.506 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:216 Resp: 328897
Ion Ratio Lower Upper
216 100
214 79.1 63.8 95.8
179 21.2 16.4 24.6
108 19.9 15.6 23.4

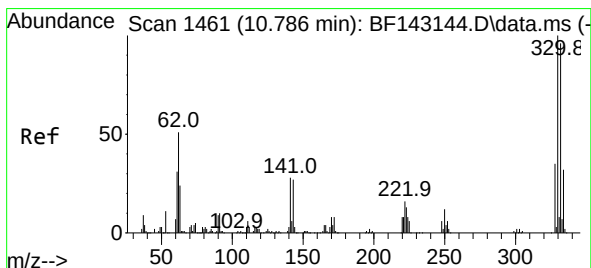
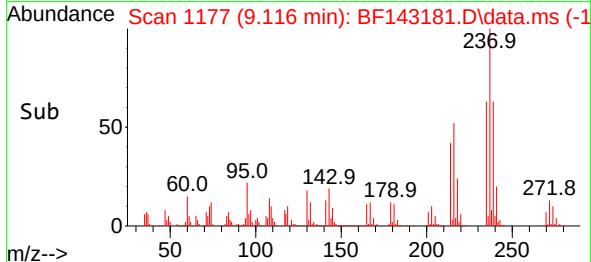
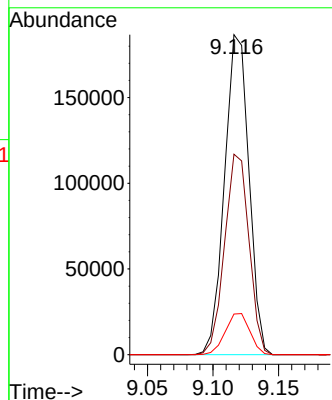
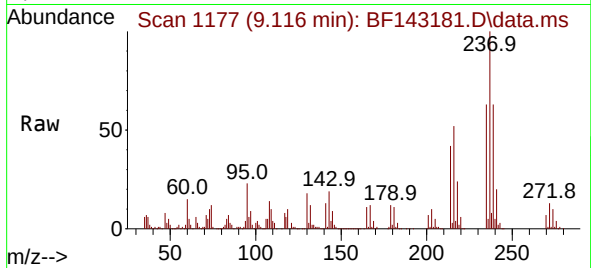




#41
Hexachlorocyclopentadiene
Concen: 46.829 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

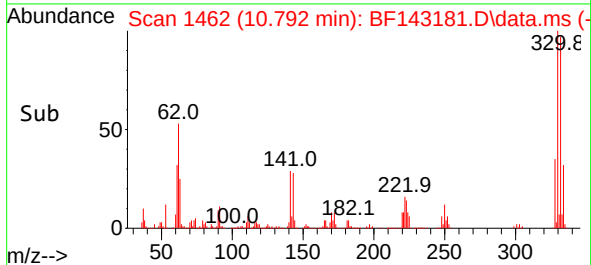
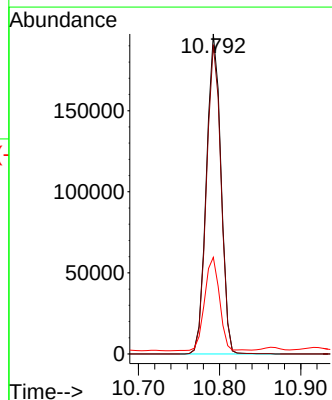
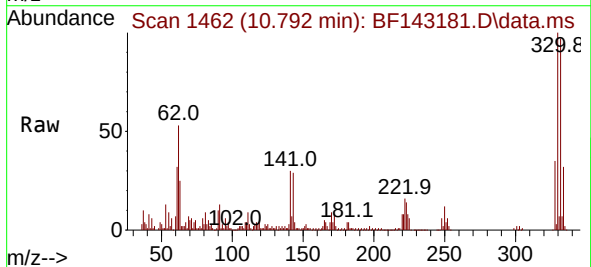
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

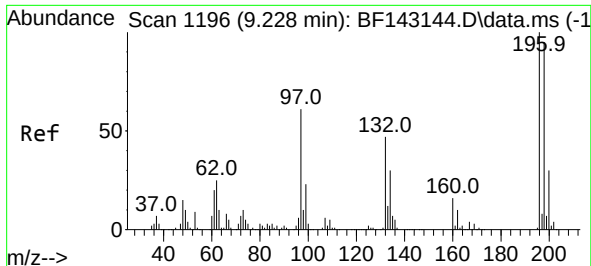
Tgt Ion:237 Resp: 241446
Ion Ratio Lower Upper
237 100
235 62.6 43.0 83.0
272 12.7 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 86.354 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:330 Resp: 244844
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 29.8 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 43.470 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

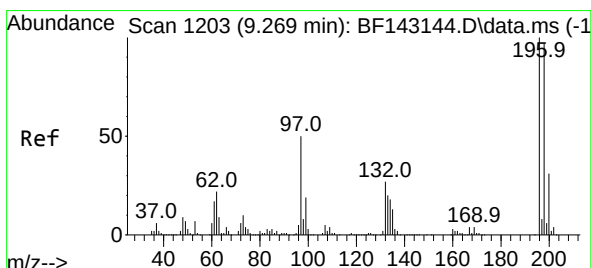
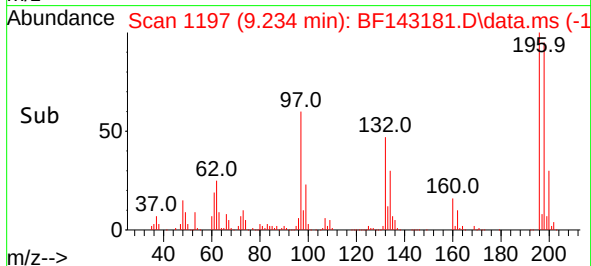
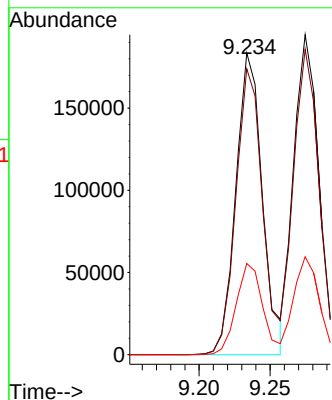
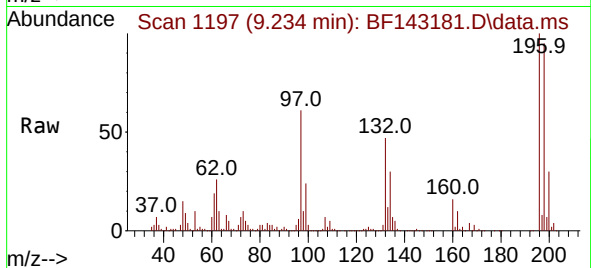
Tgt Ion:196 Resp: 238395

Ion Ratio Lower Upper

196 100

198 94.8 76.2 114.2

200 30.2 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 43.512 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Tgt Ion:196 Resp: 238695

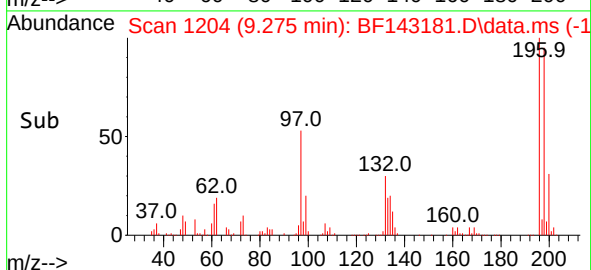
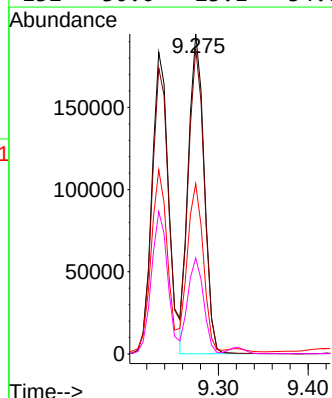
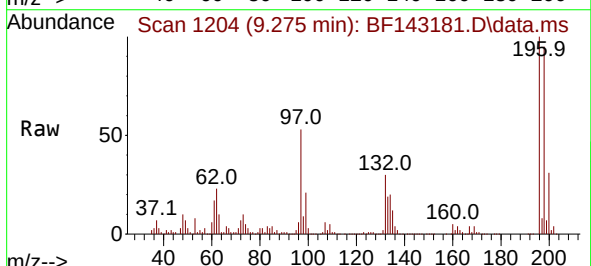
Ion Ratio Lower Upper

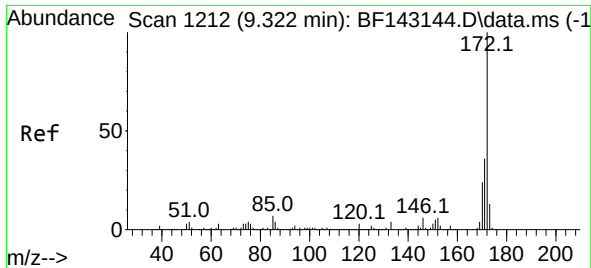
196 100

198 95.5 77.3 115.9

97 53.2 40.3 60.5

132 30.0 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 52.801 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

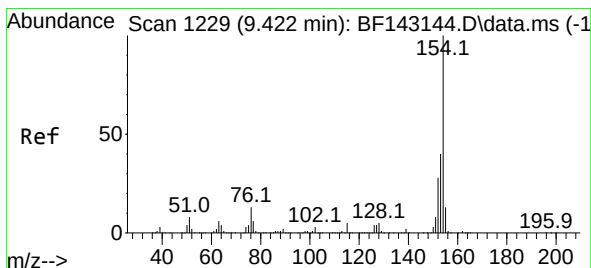
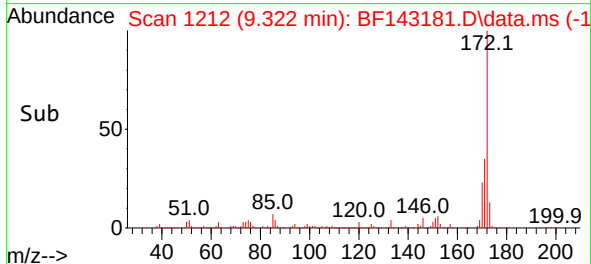
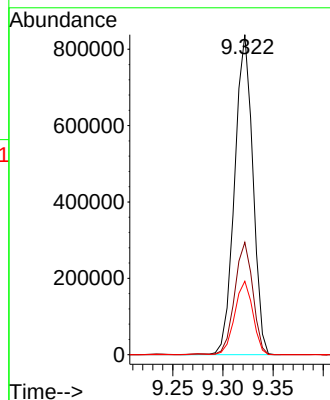
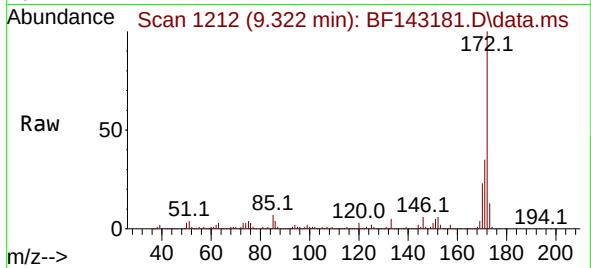
Tgt Ion:172 Resp: 1059631

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 42.350 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

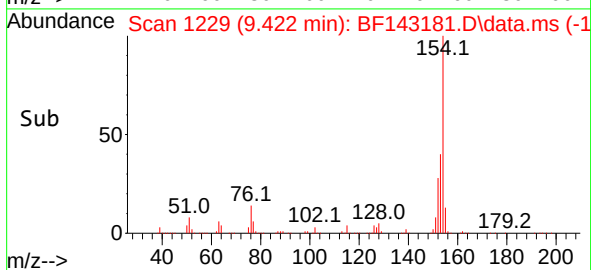
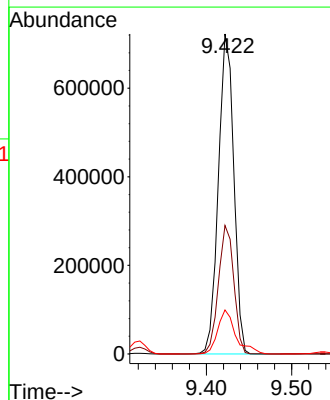
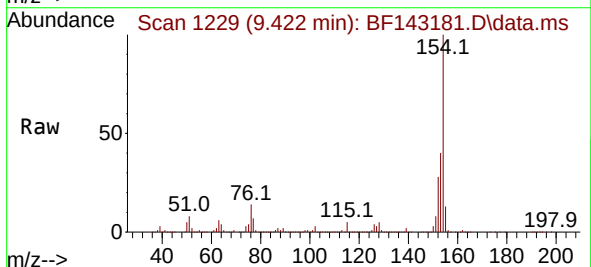
Tgt Ion:154 Resp: 906851

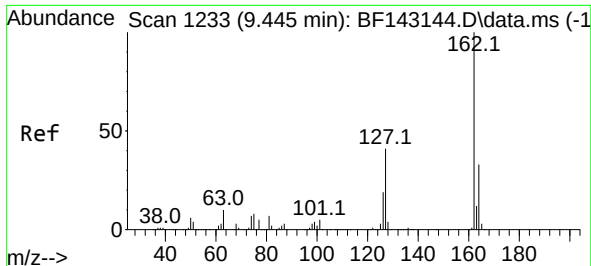
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.755 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

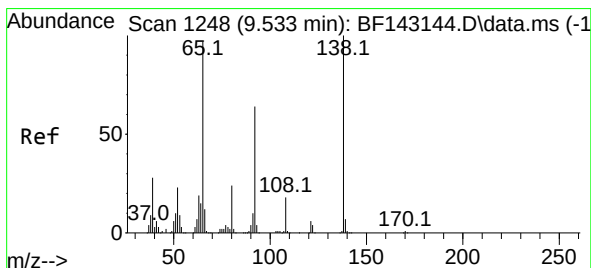
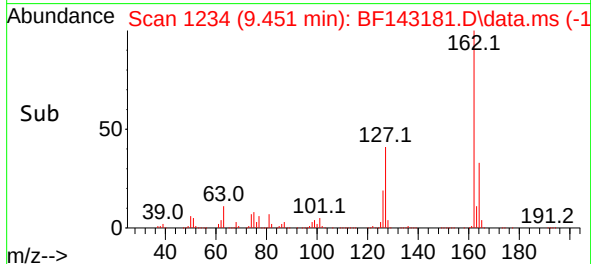
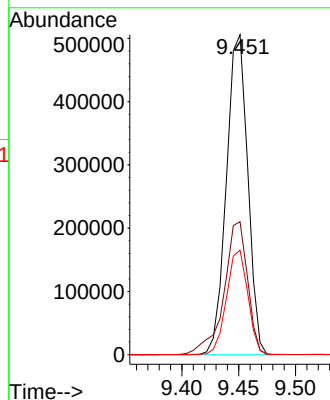
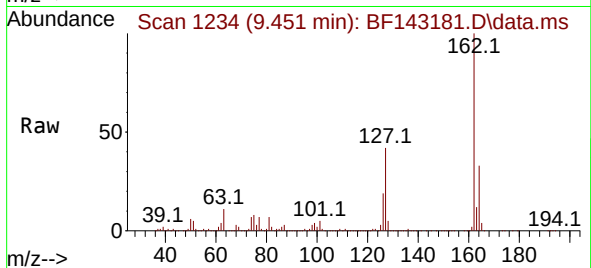
Tgt Ion:162 Resp: 661581

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 48.368 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

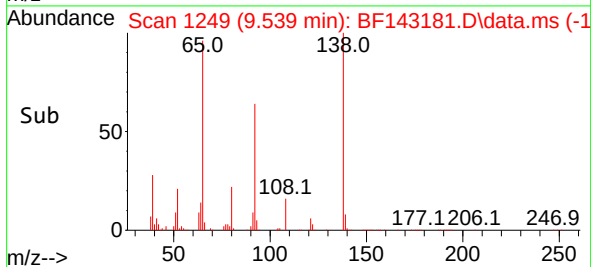
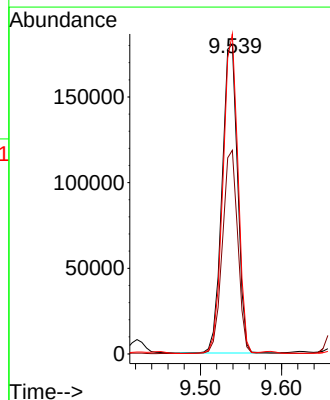
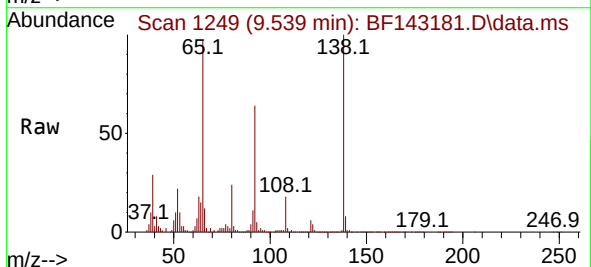
Tgt Ion: 65 Resp: 240330

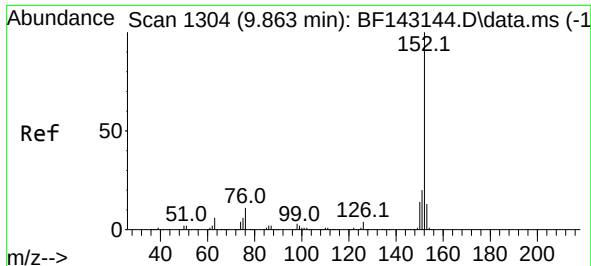
Ion Ratio Lower Upper

65 100

92 65.7 52.4 78.6

138 103.3 82.3 123.5

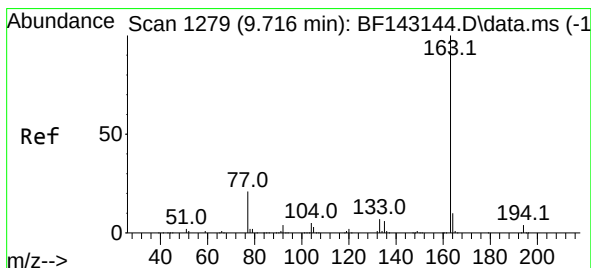
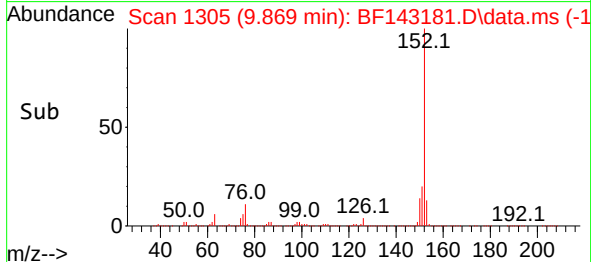
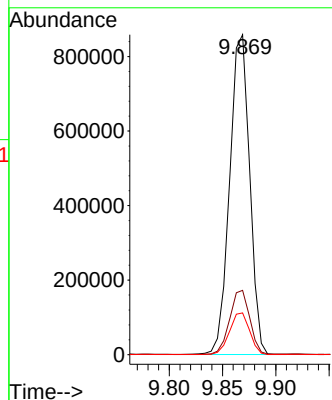
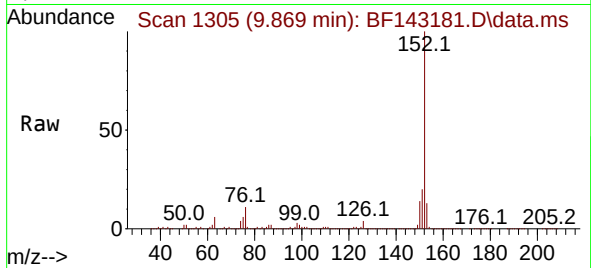




#49
Acenaphthylene
Concen: 42.250 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

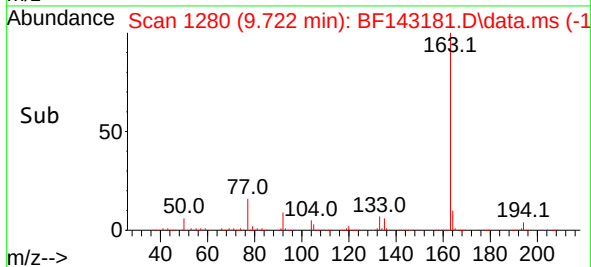
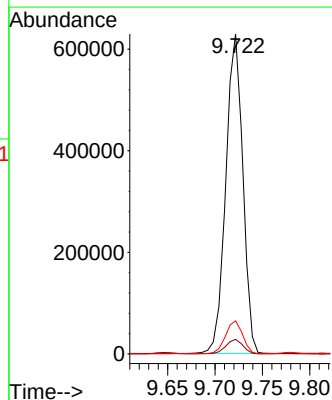
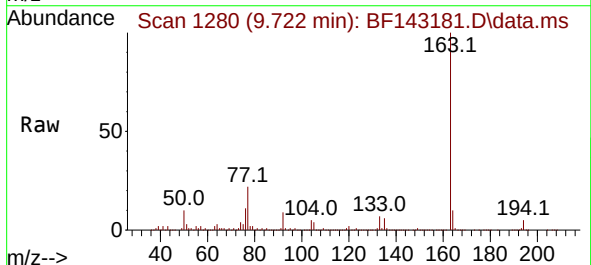
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

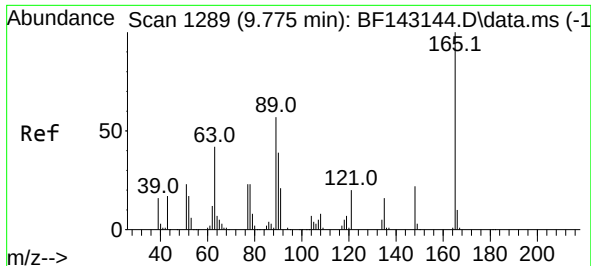
Tgt Ion:152 Resp: 1121862
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.6 16.0



#50
Dimethylphthalate
Concen: 43.933 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:163 Resp: 785971
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.3 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 48.027 ng

RT: 9.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

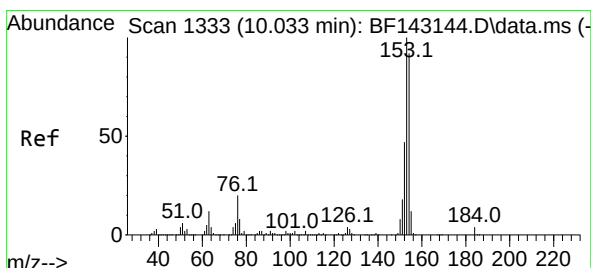
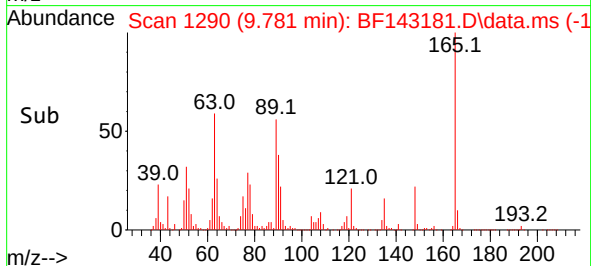
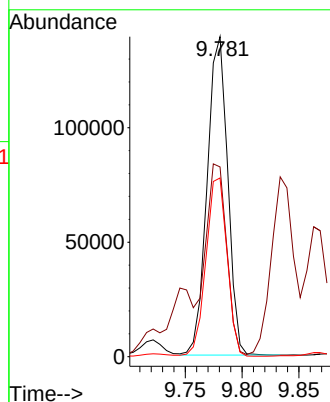
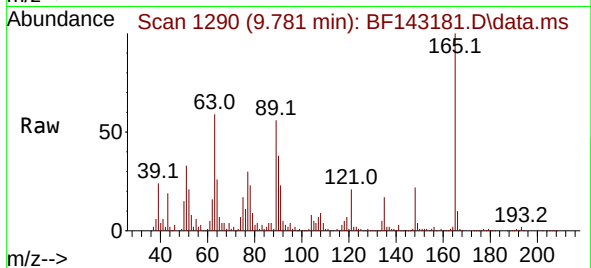
Tgt Ion:165 Resp: 174789

Ion Ratio Lower Upper

165 100

63 59.3 49.4 74.2

89 55.8 46.2 69.2



#52

Acenaphthene

Concen: 45.702 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

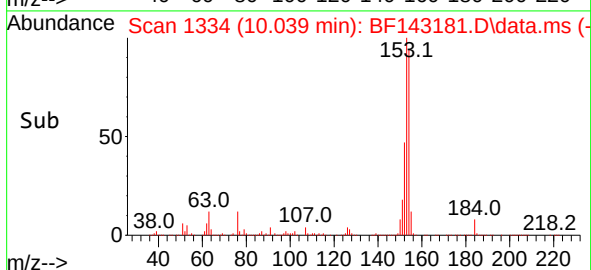
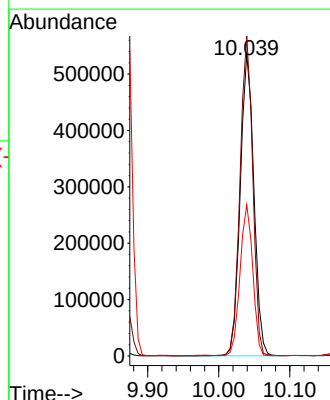
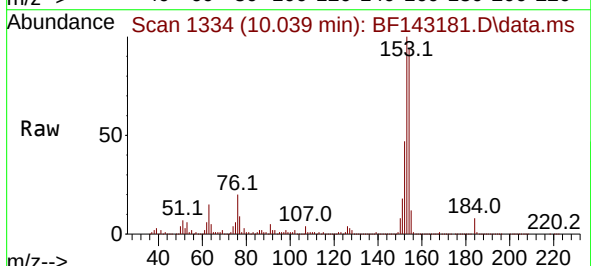
Tgt Ion:154 Resp: 717249

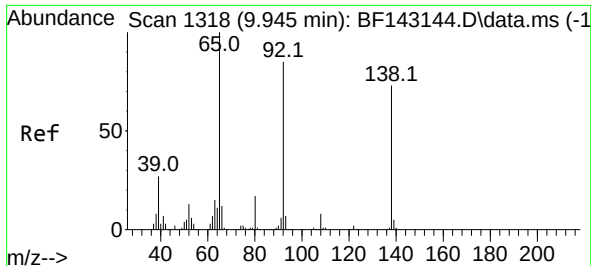
Ion Ratio Lower Upper

154 100

153 105.9 86.6 129.8

152 50.0 40.4 60.6

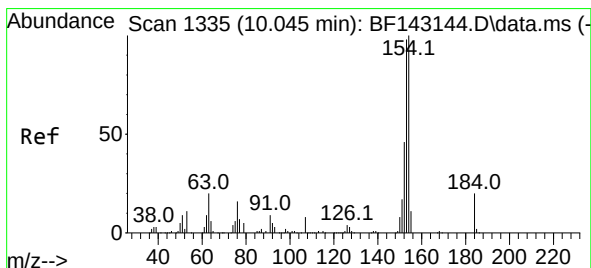
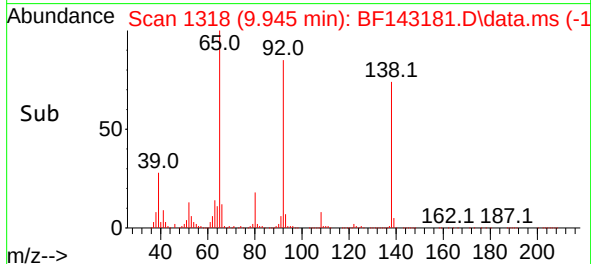
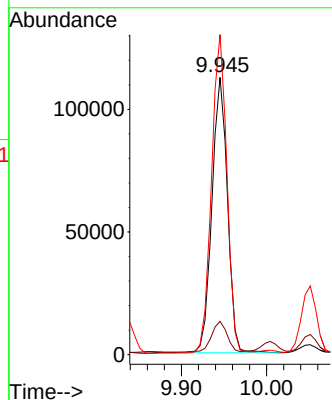
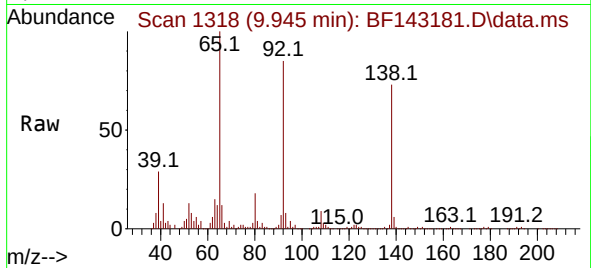




#53
3-Nitroaniline
Concen: 33.307 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

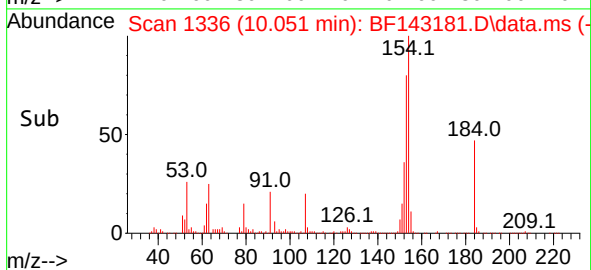
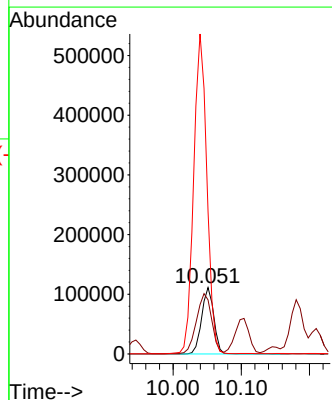
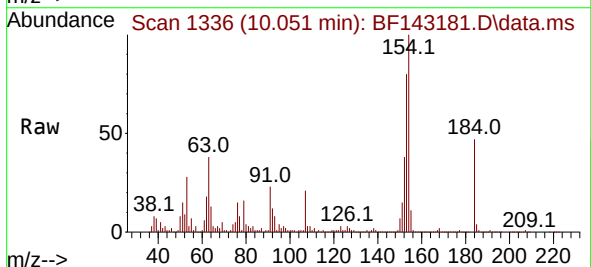
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

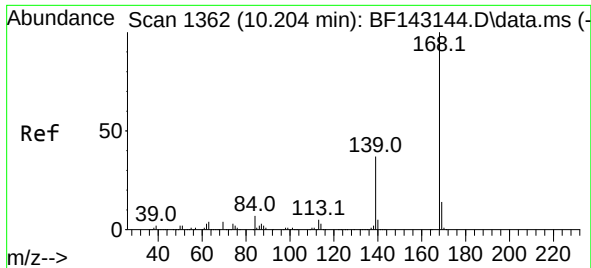
Tgt Ion:138 Resp: 141784
Ion Ratio Lower Upper
138 100
108 12.0 9.0 13.6
92 115.4 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 83.480 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:184 Resp: 138218
Ion Ratio Lower Upper
184 100
63 81.4 81.8 122.6#
154 214.4 412.2 618.4#

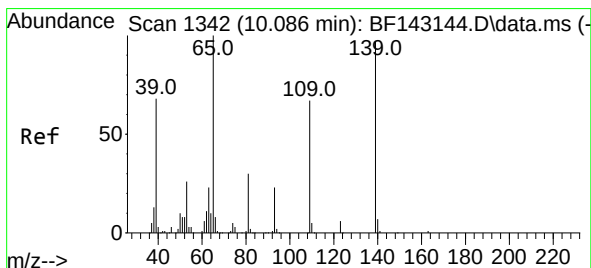
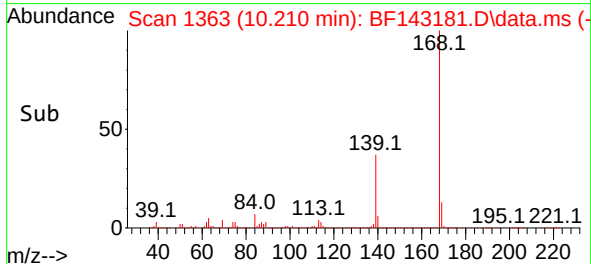
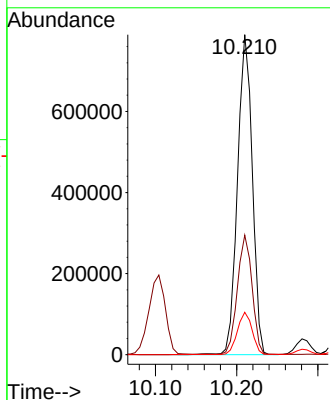
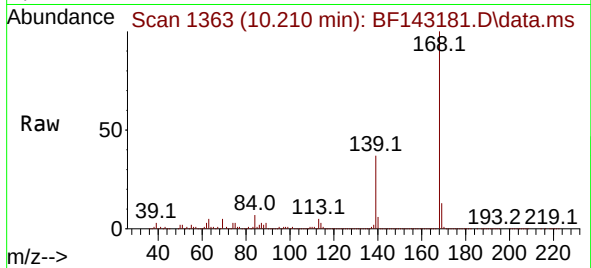




#55
Dibenzenofuran
Concen: 42.608 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

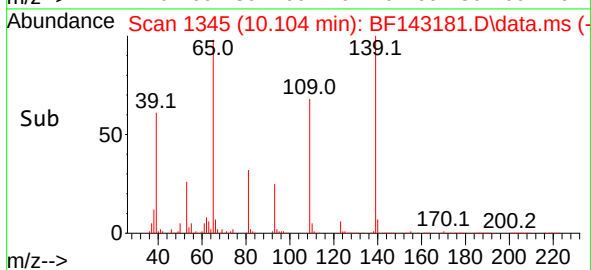
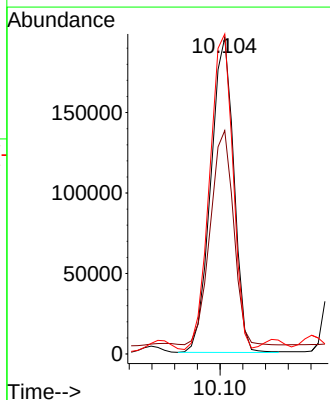
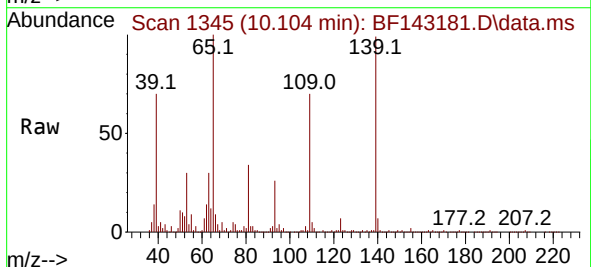
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

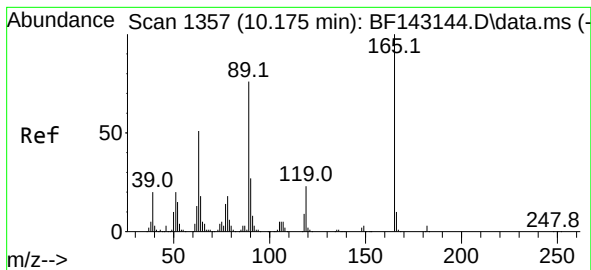
Tgt Ion:168 Resp: 992798
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 87.047 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:139 Resp: 276705
Ion Ratio Lower Upper
139 100
109 70.6 48.5 88.5
65 101.1 83.4 123.4

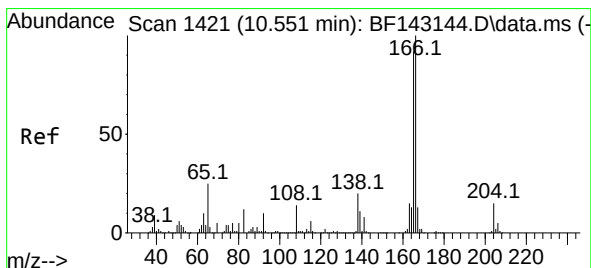
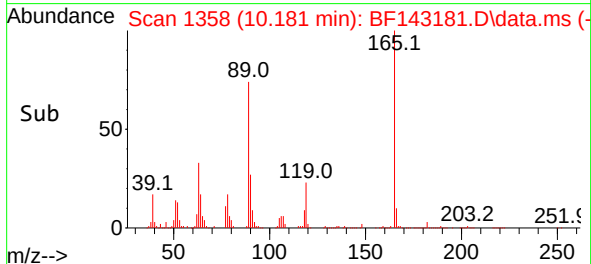
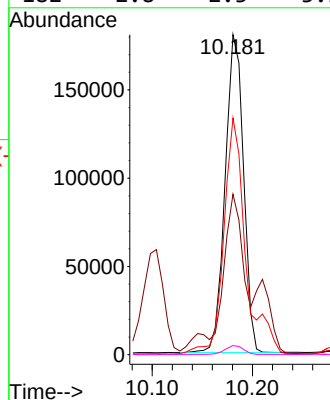
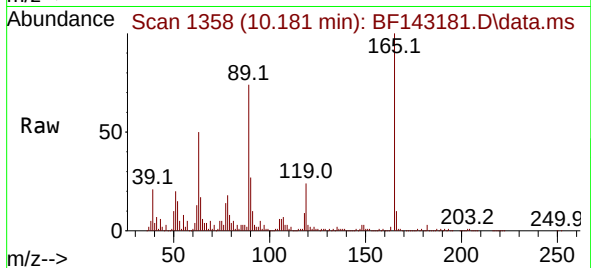




#57
2,4-Dinitrotoluene
Concen: 50.245 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

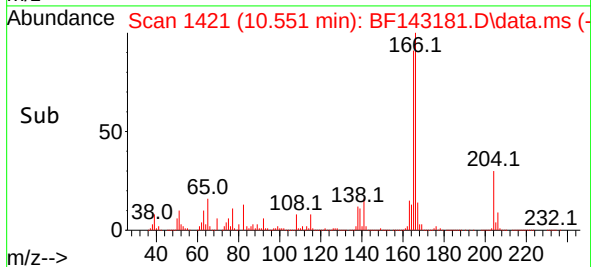
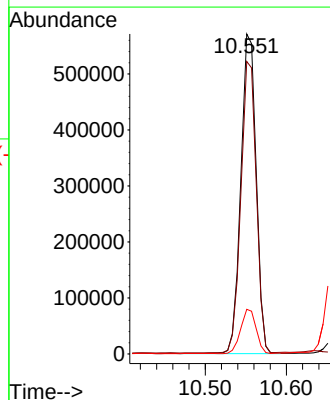
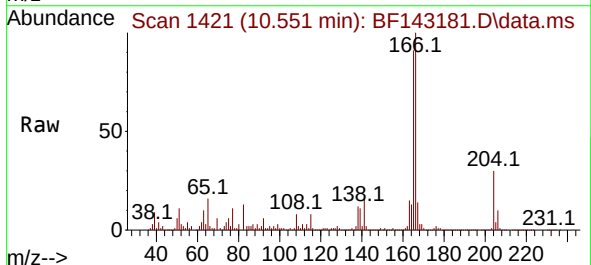
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

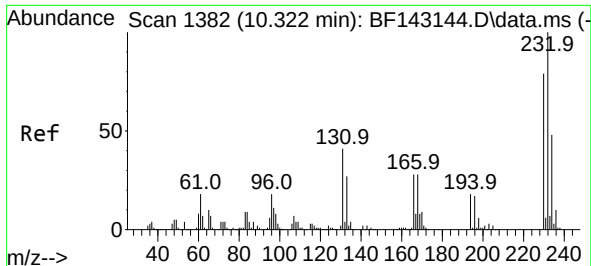
Tgt Ion:165 Resp: 229420
Ion Ratio Lower Upper
165 100
63 50.2 41.0 61.4
89 73.9 61.1 91.7
182 2.8 2.3 3.5



#58
Fluorene
Concen: 42.649 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:166 Resp: 745825
Ion Ratio Lower Upper
166 100
165 91.4 73.7 110.5
167 14.0 10.6 16.0

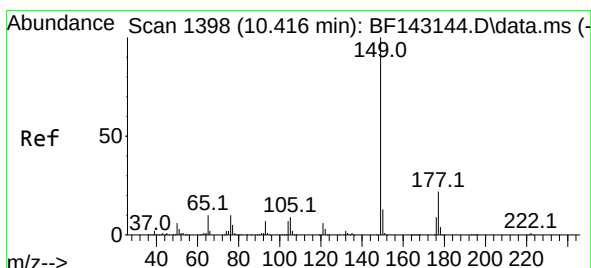
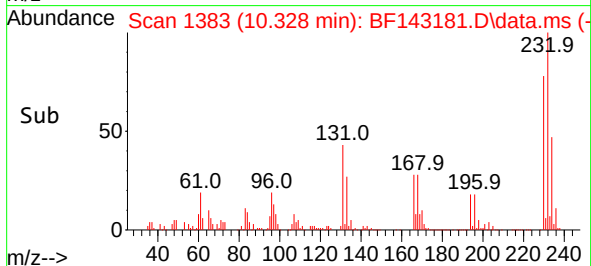
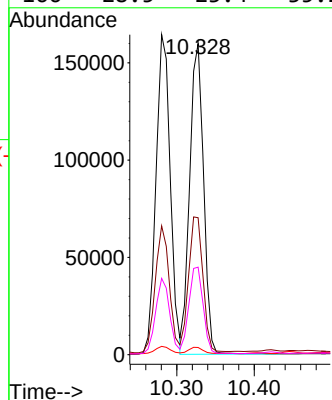
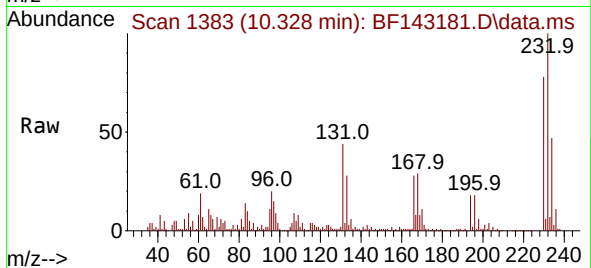




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.788 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

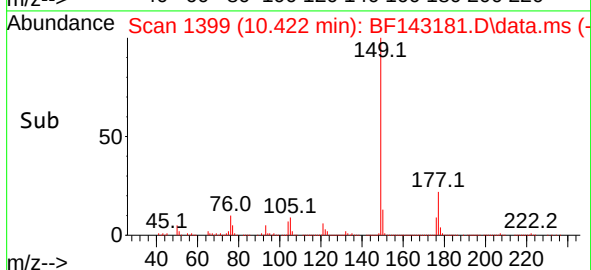
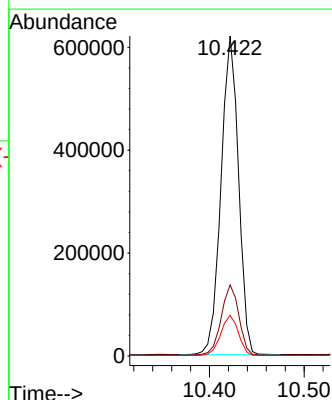
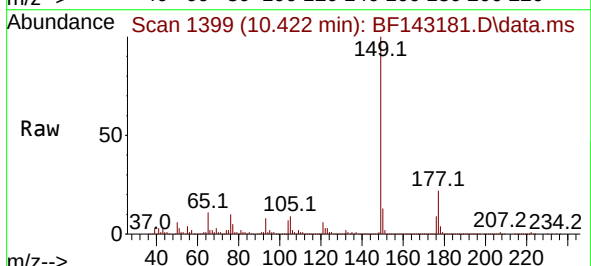
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

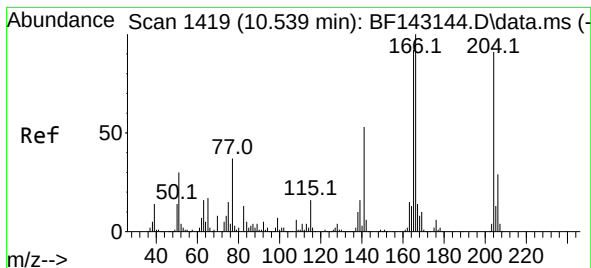
Tgt Ion:232 Resp: 198979
Ion Ratio Lower Upper
232 100
131 44.4 35.3 52.9
130 2.2 1.7 2.5
166 28.5 23.4 35.2



#60
Diethylphthalate
Concen: 44.896 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:149 Resp: 793884
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 12.7 10.2 15.2

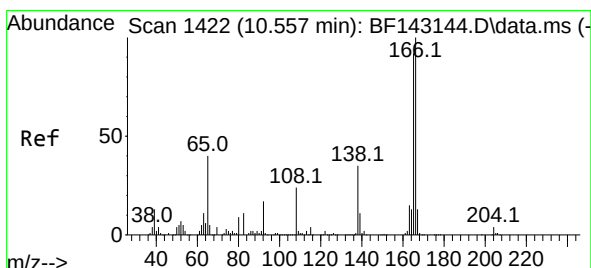
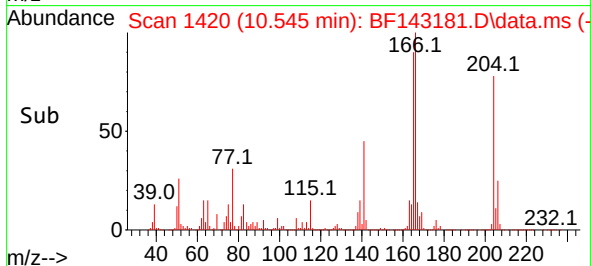
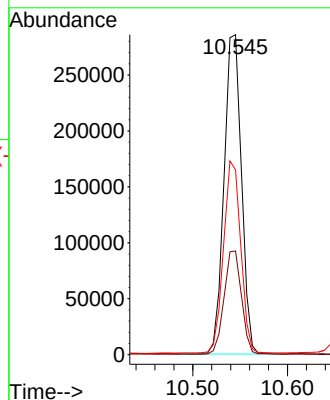
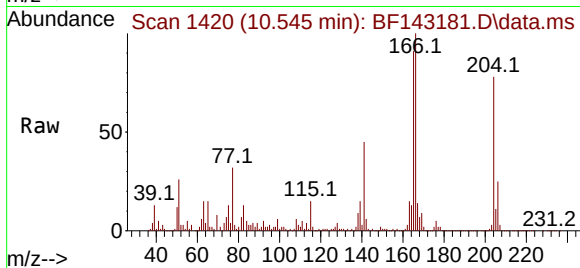




#61
4-Chlorophenyl-phenylether
Concen: 41.919 ng
RT: 10.545 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

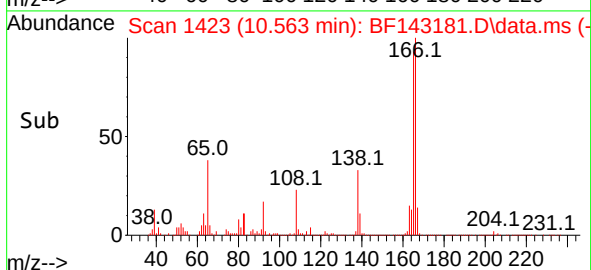
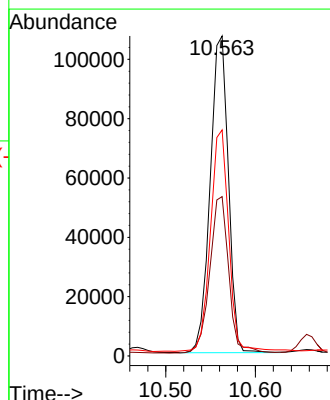
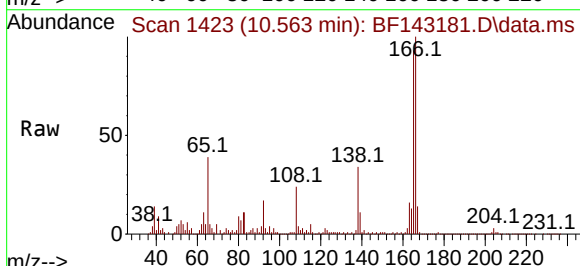
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

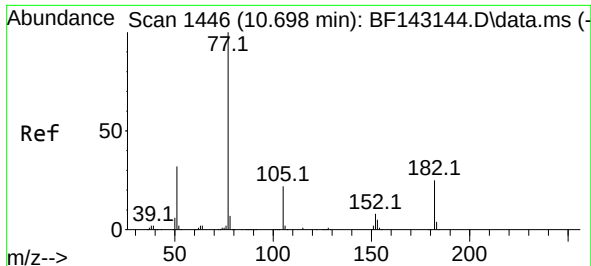
Tgt Ion:204 Resp: 365015
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.7 47.0 70.4



#62
4-Nitroaniline
Concen: 41.149 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:138 Resp: 150125
Ion Ratio Lower Upper
138 100
92 49.8 29.3 69.3
108 70.6 48.3 88.3

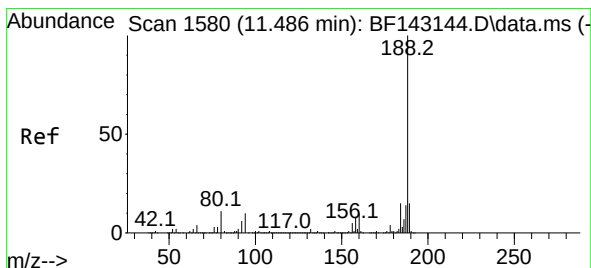
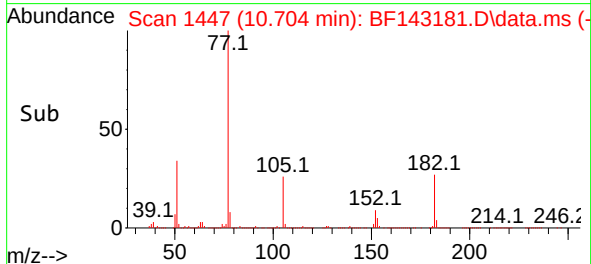
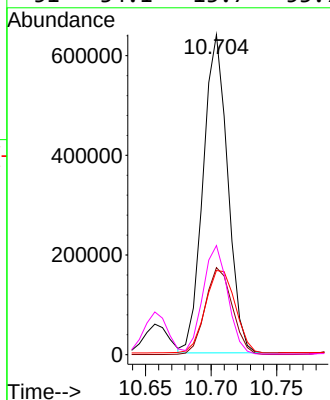
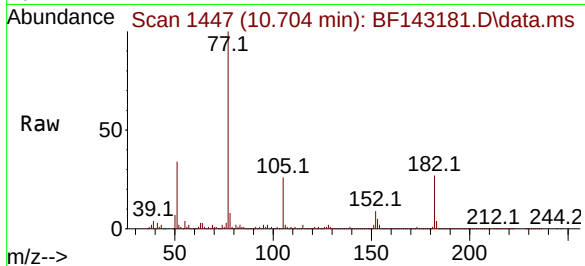




#63
Azobenzene
Concen: 45.166 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

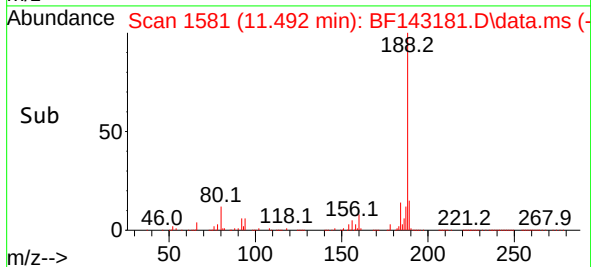
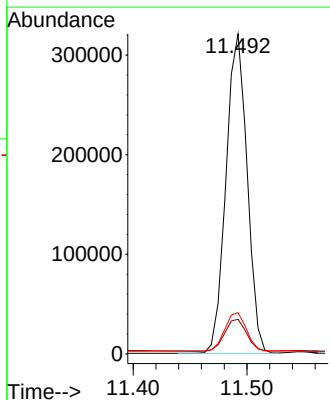
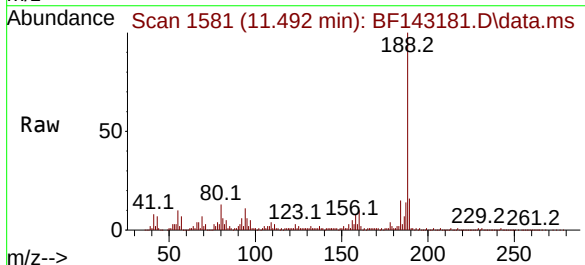
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

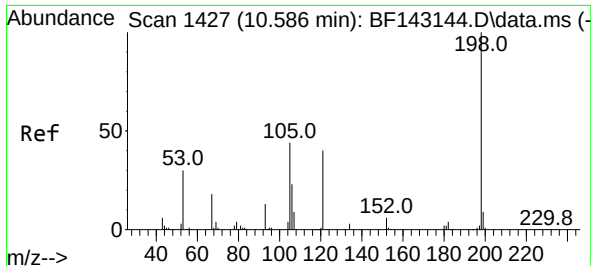
Tgt Ion:	77	Resp:	832376
Ion	Ratio	Lower	Upper
77	100		
182	27.2	4.6	44.6
105	26.3	1.4	41.4
51	34.1	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:	188	Resp:	414650
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	12.9	9.0	13.6

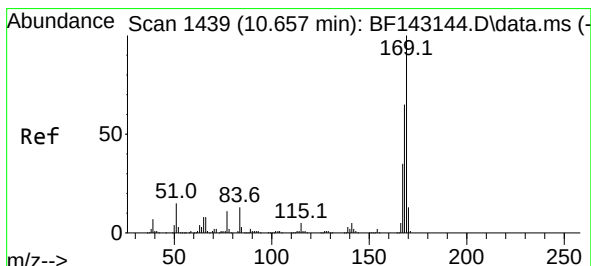
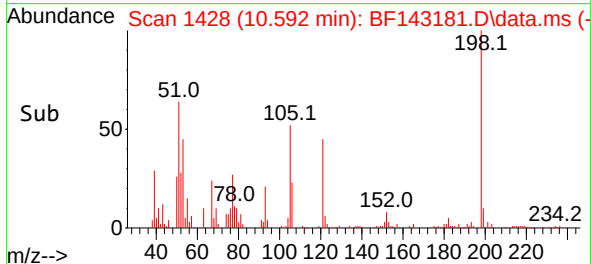
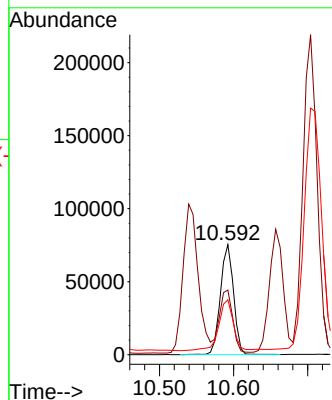
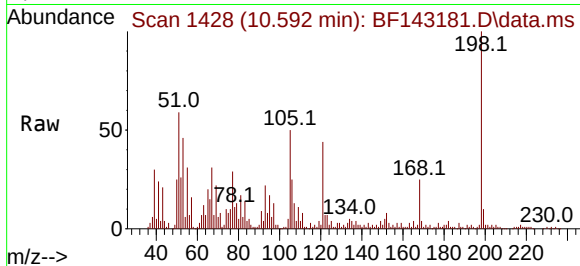




#65
4,6-Dinitro-2-methylphenol
Concen: 43.445 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

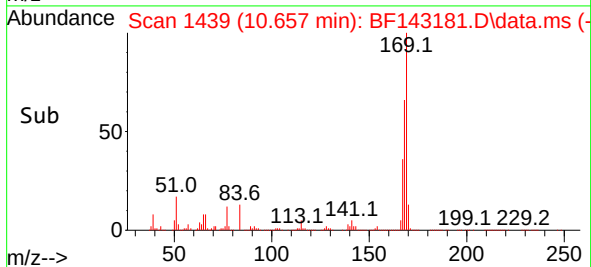
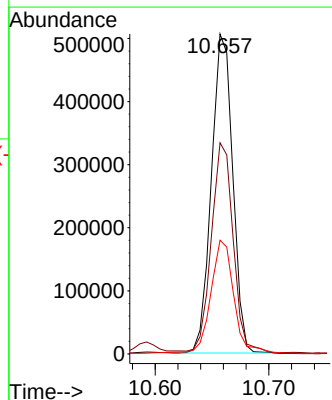
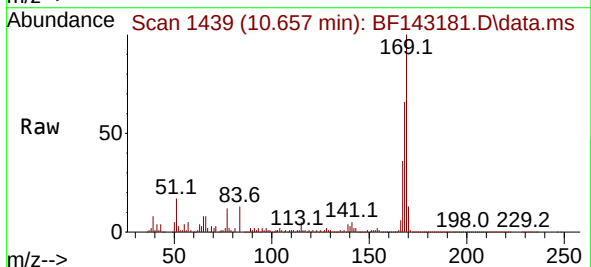
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

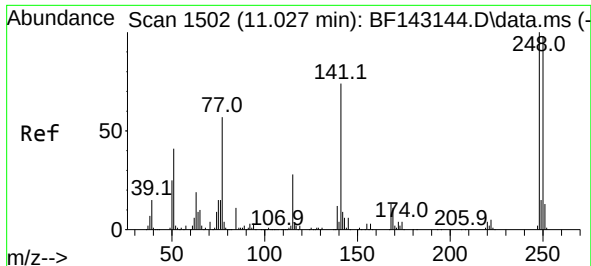
Tgt Ion:198 Resp: 93180
Ion Ratio Lower Upper
198 100
51 58.7 37.2 77.2
105 49.8 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 45.125 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:169 Resp: 658874
Ion Ratio Lower Upper
169 100
168 66.0 52.1 78.1
167 35.6 28.2 42.2

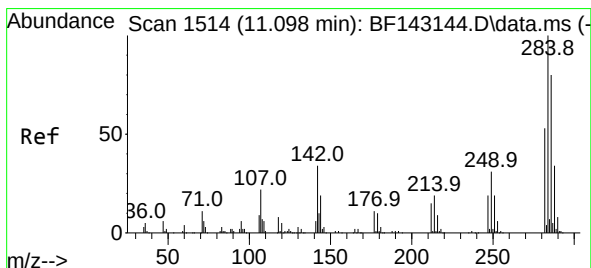
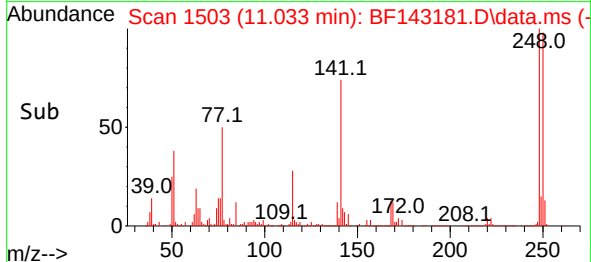
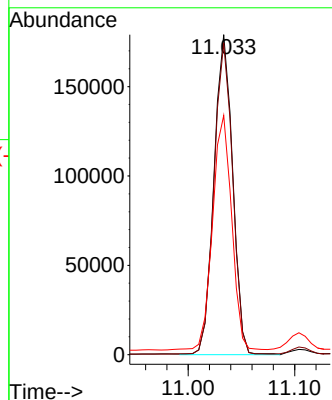
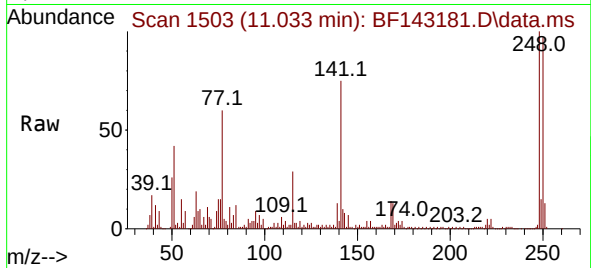




#67
4-Bromophenyl-phenylether
Concen: 44.351 ng
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

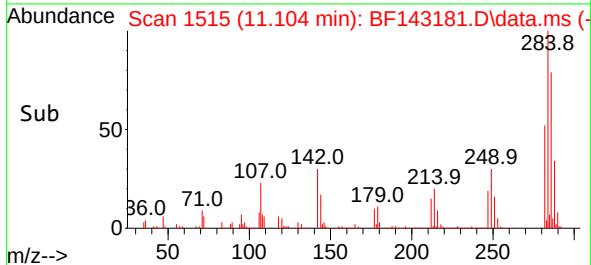
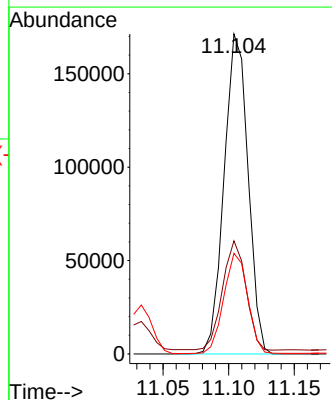
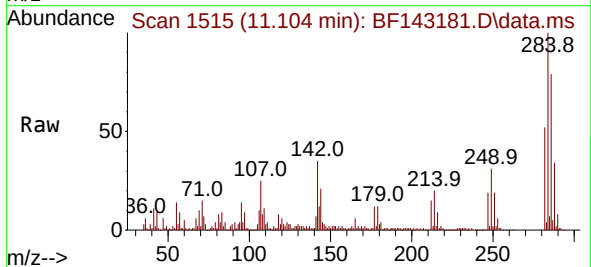
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

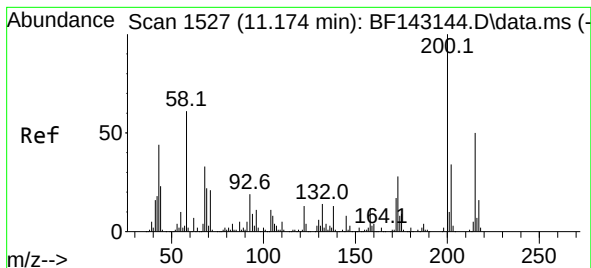
Tgt Ion:248 Resp: 219163
Ion Ratio Lower Upper
248 100
250 97.4 78.3 117.5
141 74.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 42.143 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:284 Resp: 217668
Ion Ratio Lower Upper
284 100
142 35.4 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 48.470 ng

RT: 11.186 min Scan# 1529

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

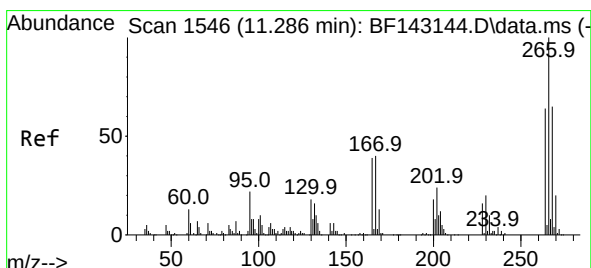
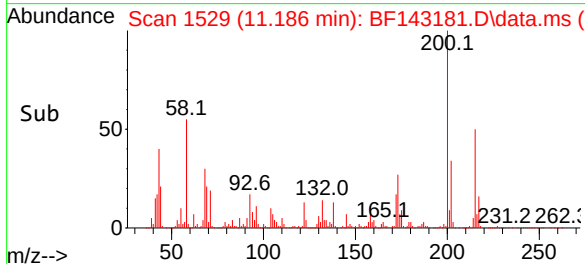
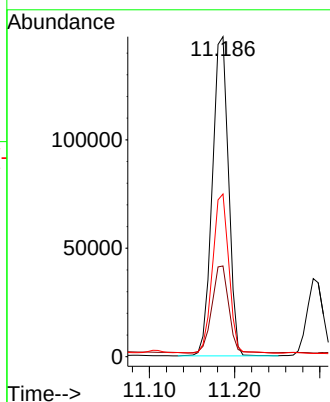
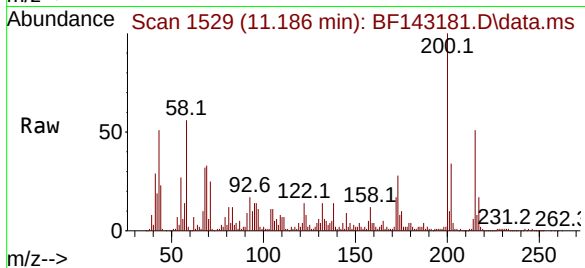
Tgt Ion:200 Resp: 195110

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

215 50.8 30.1 70.1



#70

Pentachlorophenol

Concen: 86.042 ng

RT: 11.298 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

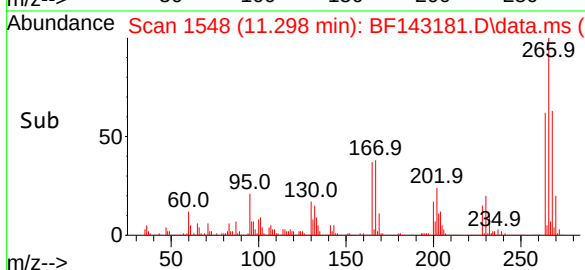
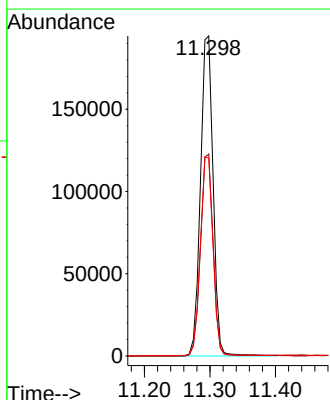
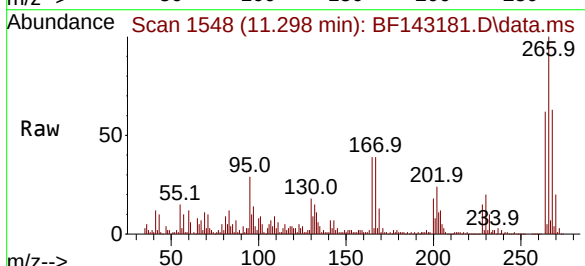
Tgt Ion:266 Resp: 261343

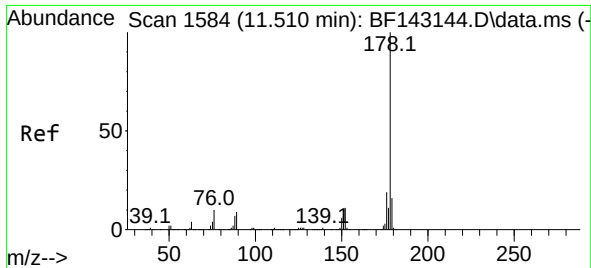
Ion Ratio Lower Upper

266 100

268 63.1 51.9 77.9

264 61.8 51.0 76.6

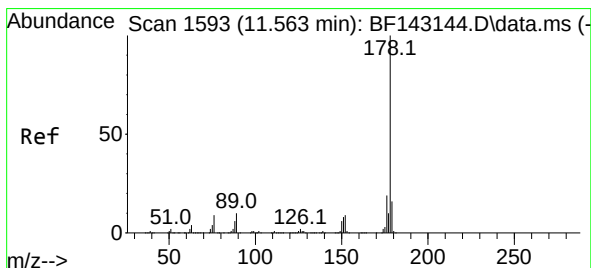
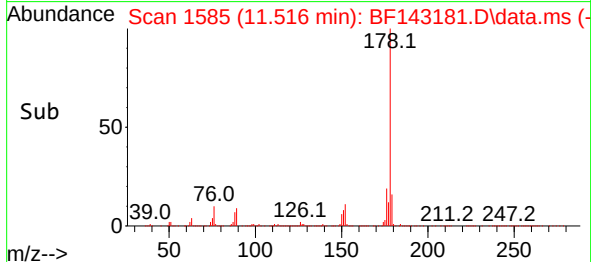
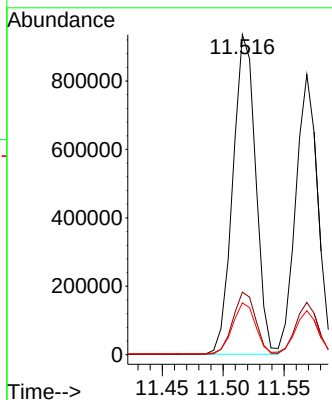
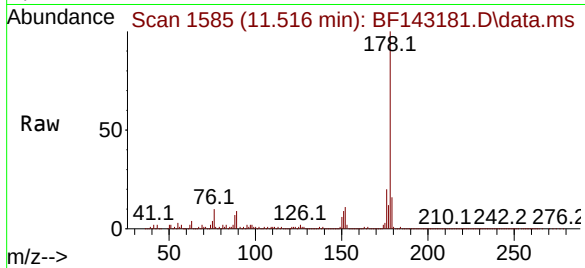




#71
Phenanthrene
Concen: 55.224 ng
RT: 11.516 min Scan# 11584
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

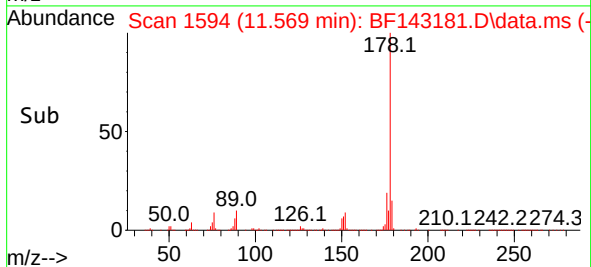
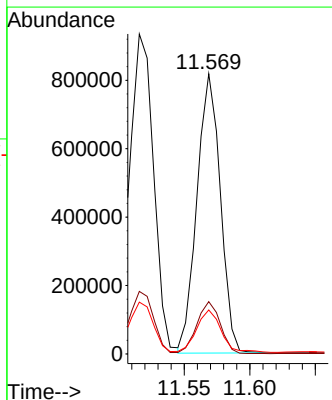
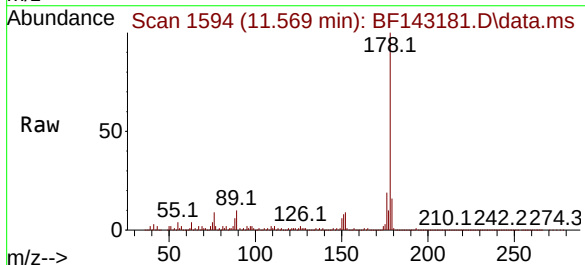
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

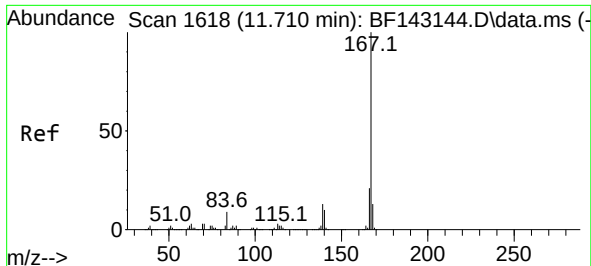
Tgt Ion:178 Resp: 1215848
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 16.2 12.5 18.7



#72
Anthracene
Concen: 45.259 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:178 Resp: 1016264
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.7 12.5 18.7

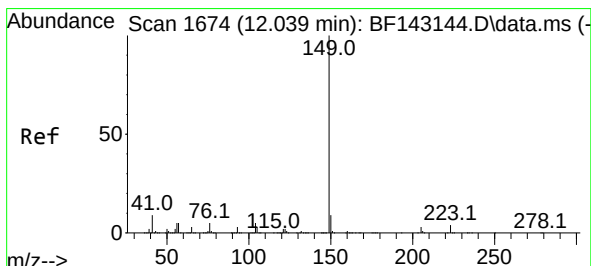
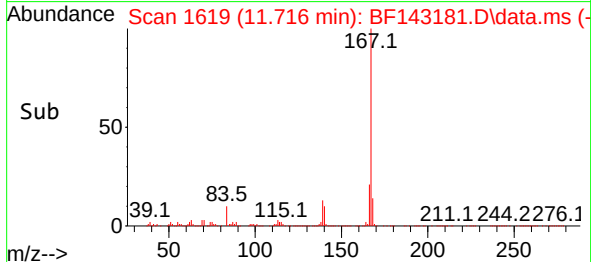
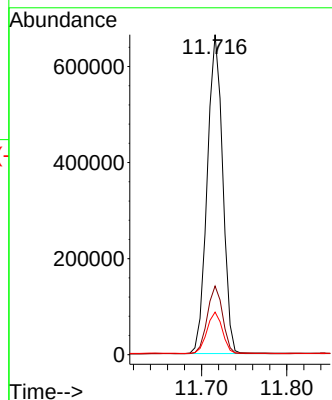
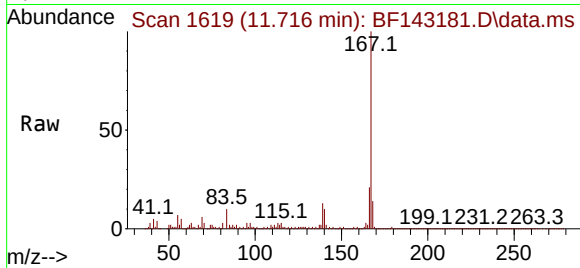




#73
 Carbazole
 Concen: 42.692 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

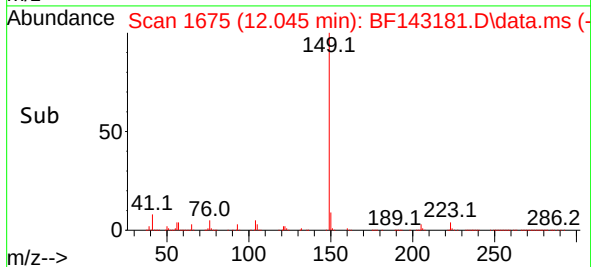
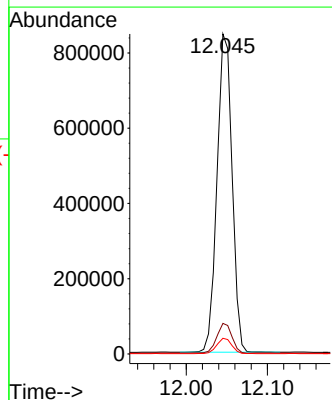
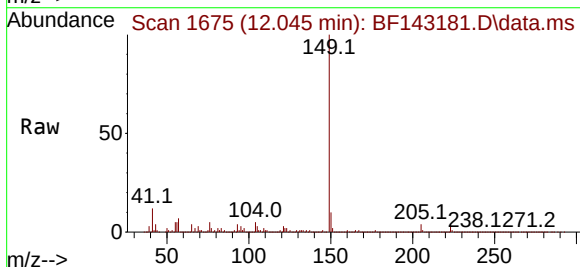
Instrument :
 BNA_F
 ClientSampleId :
 RT2286MSD

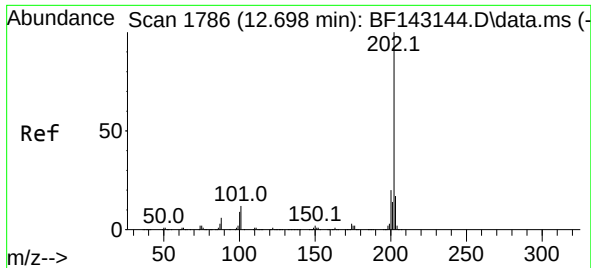
Tgt Ion:167 Resp: 837062
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.3 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 49.237 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

Tgt Ion:149 Resp: 1092339
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 4.9 3.8 5.8

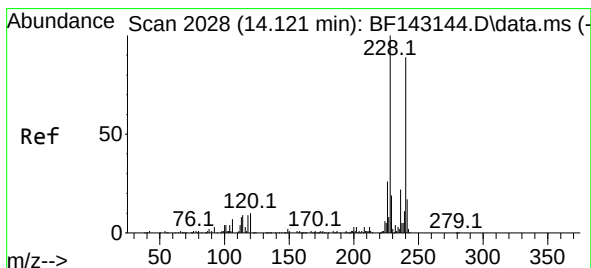
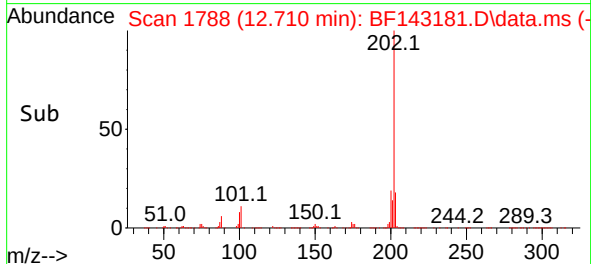
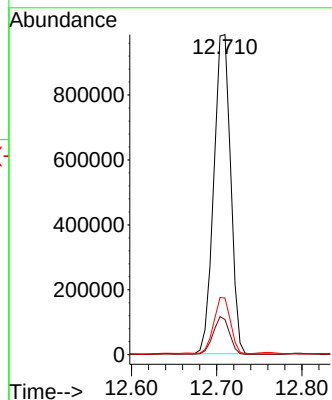
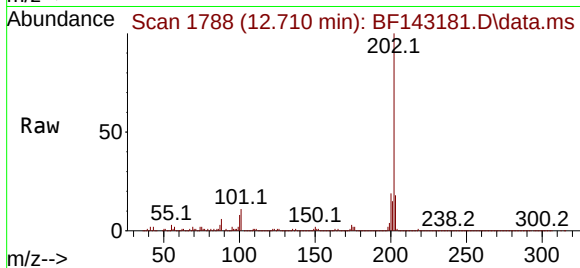




#75
Fluoranthene
Concen: 66.679 ng
RT: 12.710 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

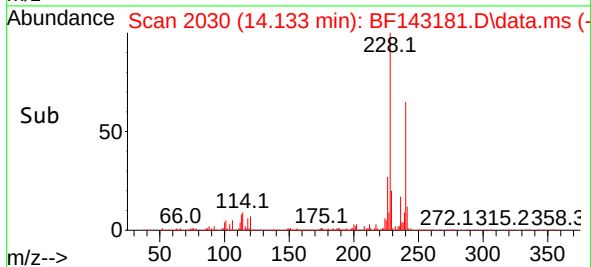
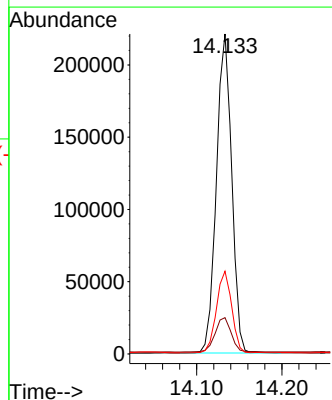
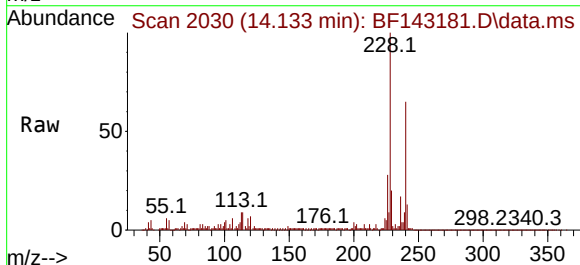
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

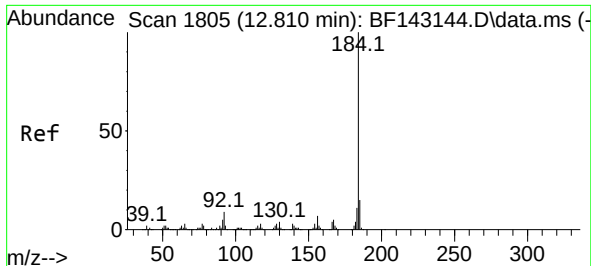
Tgt Ion:202 Resp: 1347470
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.7
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:240 Resp: 276295
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 25.9 20.2 30.4

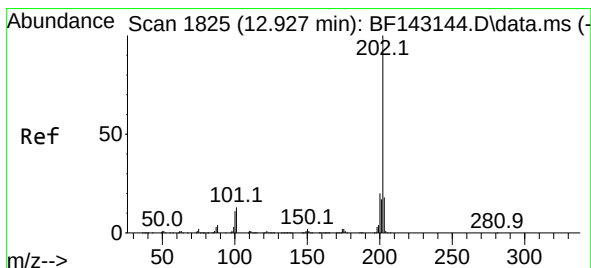
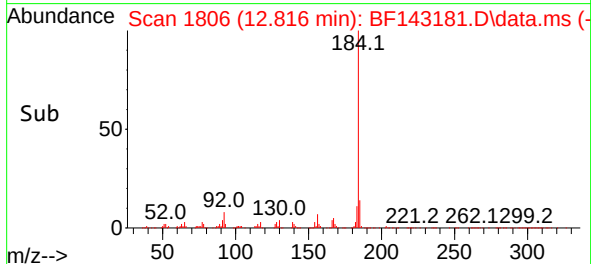
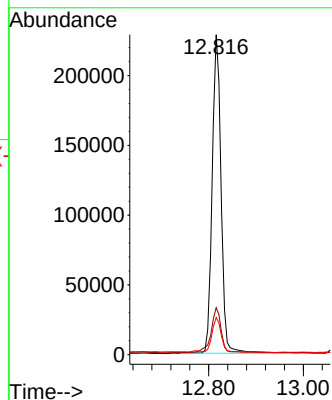
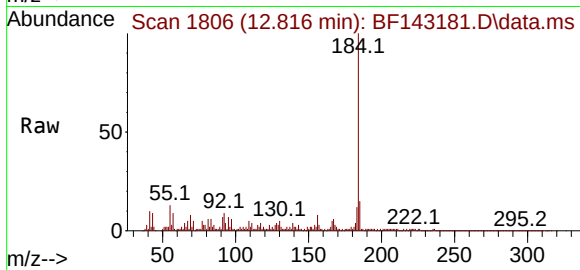




#77
Benzidine
Concen: 27.933 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

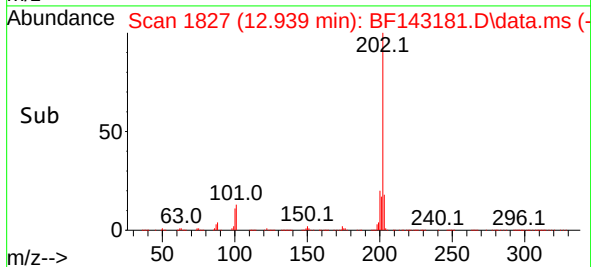
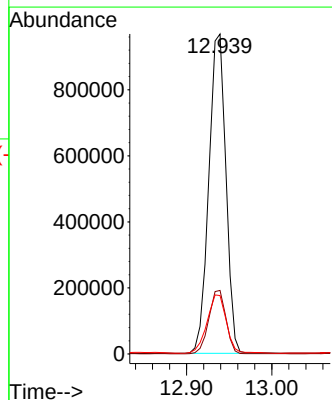
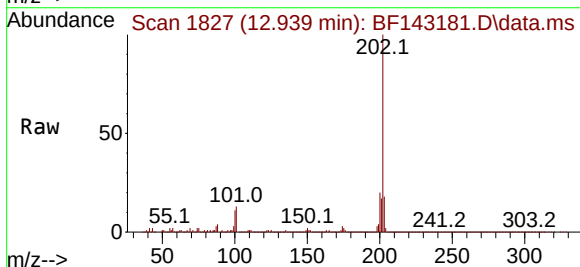
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

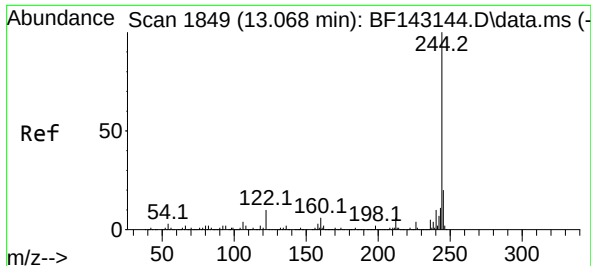
Tgt Ion:184 Resp: 297349
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.4
183 11.6 9.0 13.4



#78
Pyrene
Concen: 57.059 ng
RT: 12.939 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:202 Resp: 1345473
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 18.3 14.2 21.2

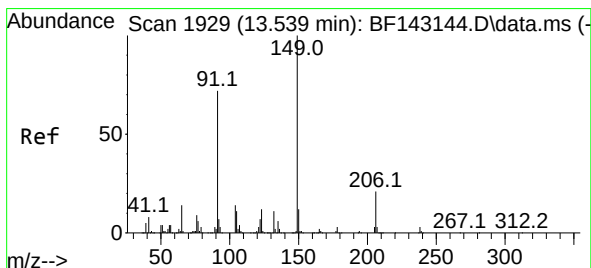
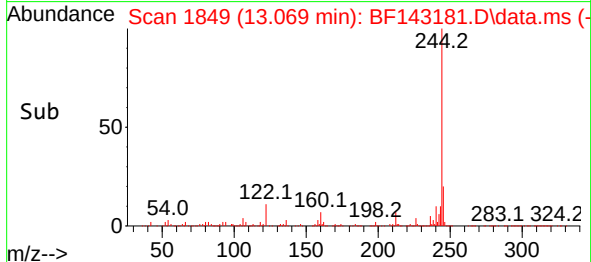
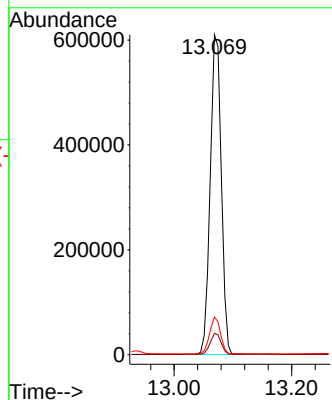
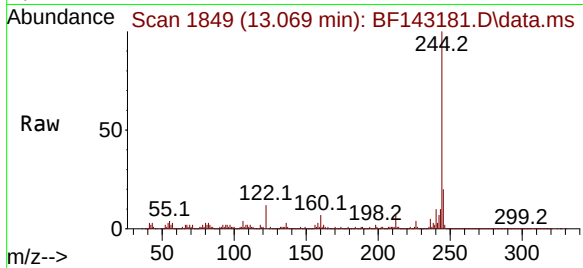




#79
 Terphenyl-d14
 Concen: 43.099 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

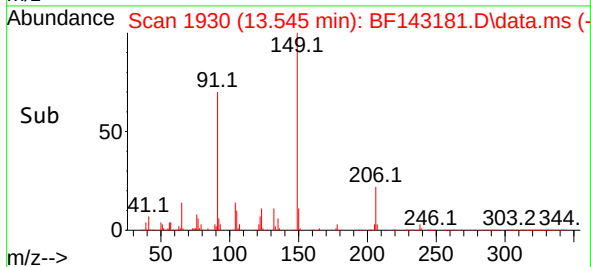
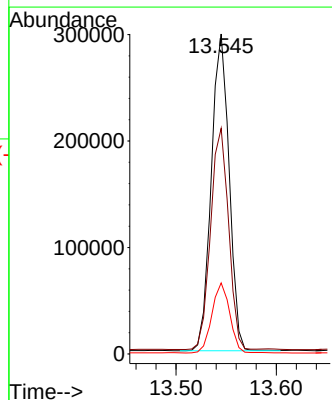
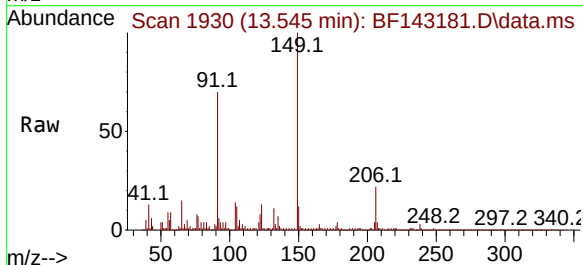
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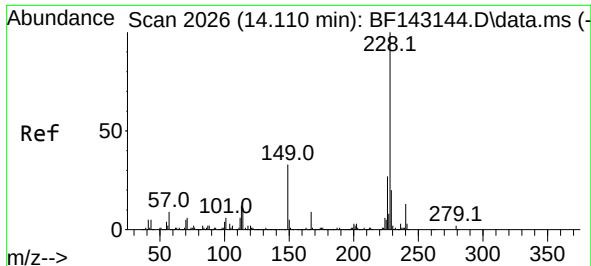
Tgt Ion:244 Resp: 800209
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 11.8 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 50.883 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. 0.006 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

Tgt Ion:149 Resp: 367405
 Ion Ratio Lower Upper
 149 100
 91 70.5 57.9 86.9
 206 22.2 17.0 25.4

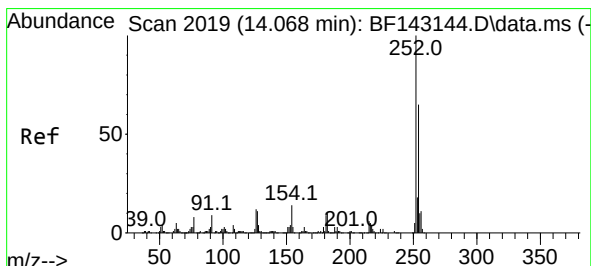
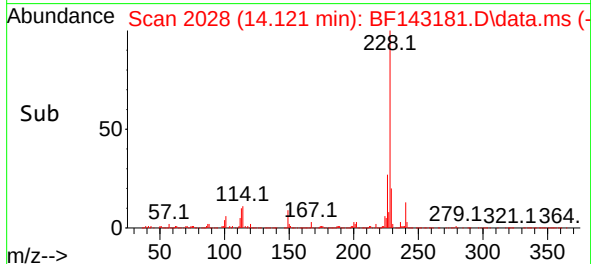
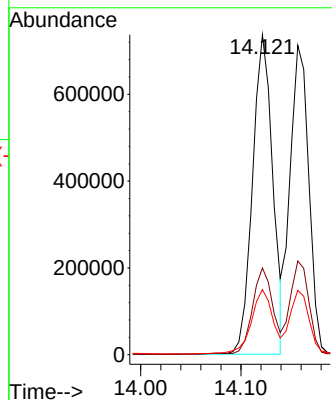
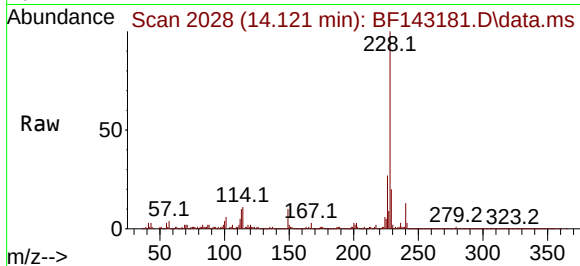




#81
Benzo(a)anthracene
Concen: 55.890 ng
RT: 14.121 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

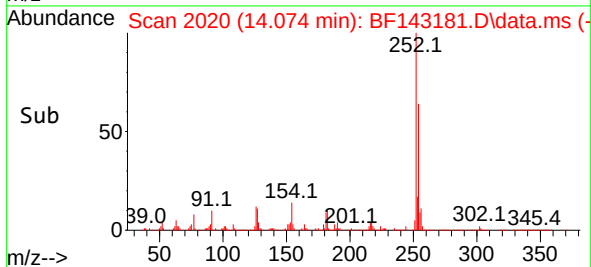
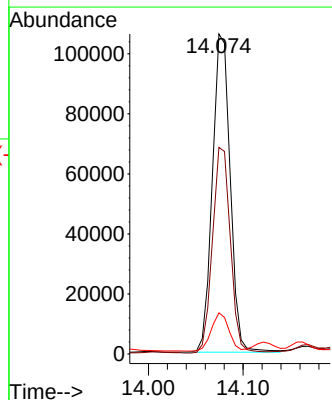
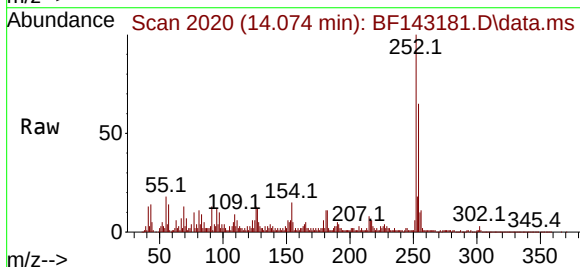
Instrument :
BNA_F
ClientSampleId :
RT2286MSD

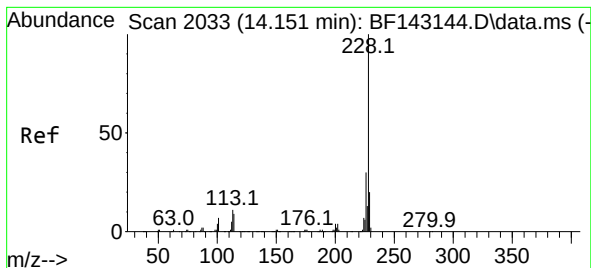
Tgt Ion:228 Resp: 1033853
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 20.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 22.415 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:252 Resp: 138194
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 12.9 9.4 14.0





#83

Chrysene

Concen: 55.532 ng

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

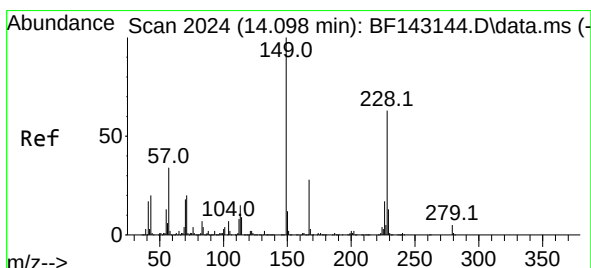
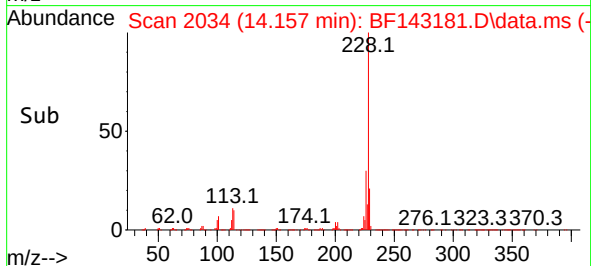
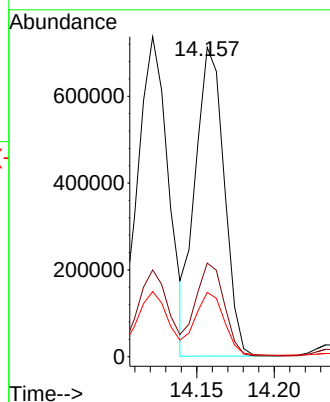
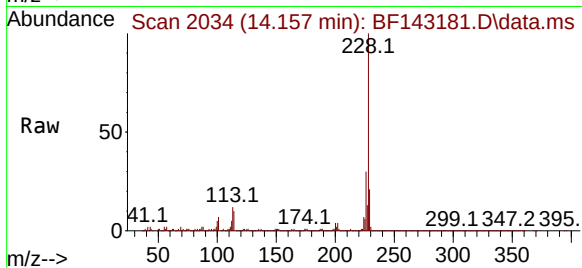
Tgt Ion:228 Resp: 923571

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 20.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.538 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

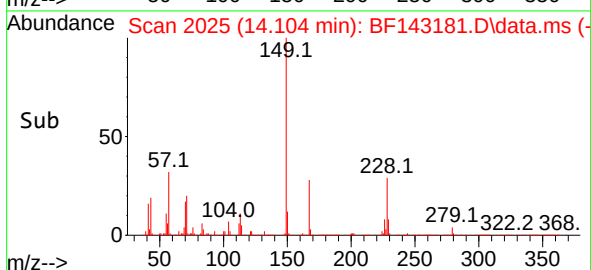
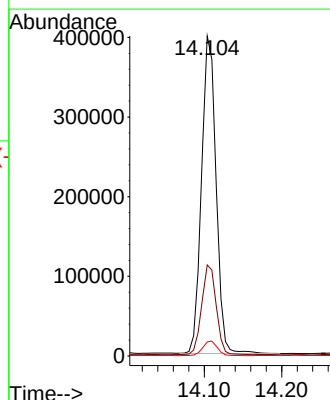
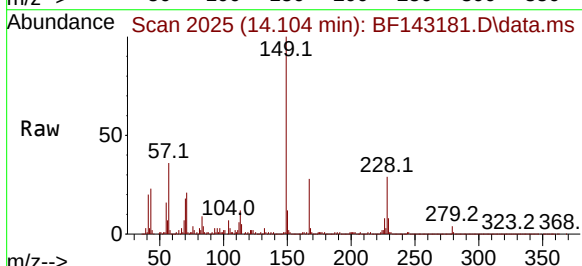
Tgt Ion:149 Resp: 519551

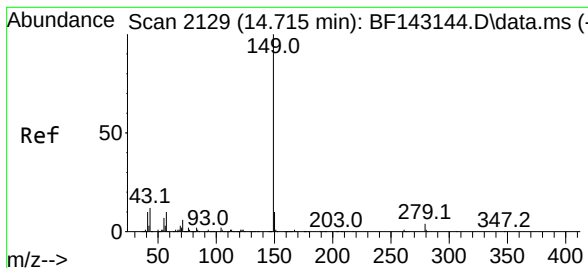
Ion Ratio Lower Upper

149 100

167 28.4 22.3 33.5

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 45.094 ng

RT: 14.721 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

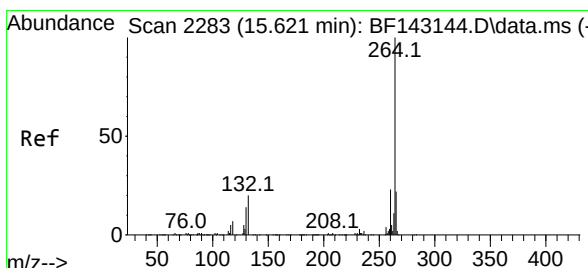
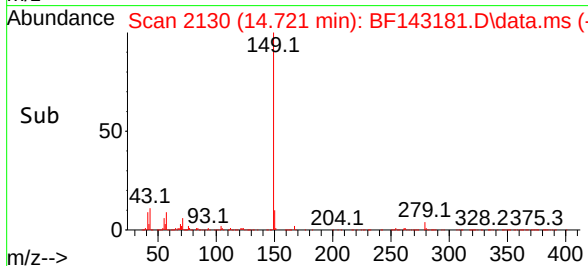
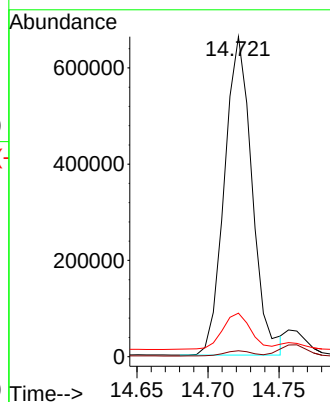
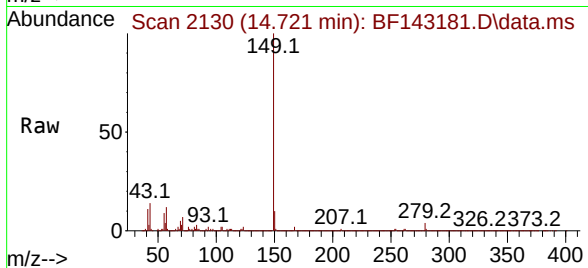
Tgt Ion:149 Resp: 893326

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7

43 11.9 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.018 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

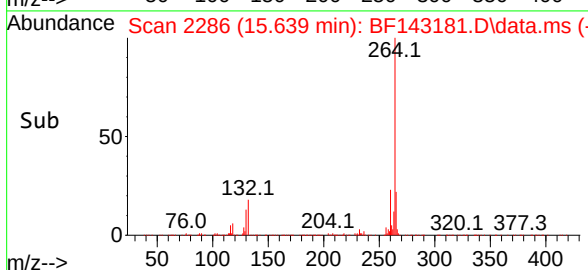
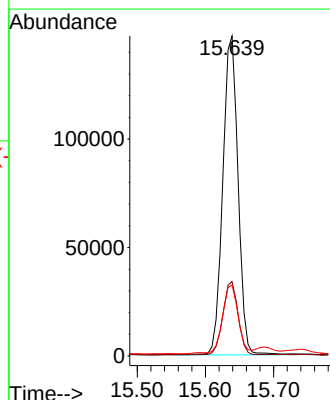
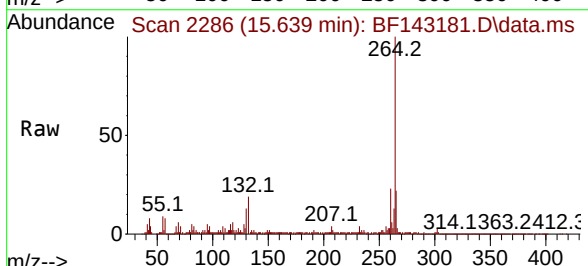
Tgt Ion:264 Resp: 228694

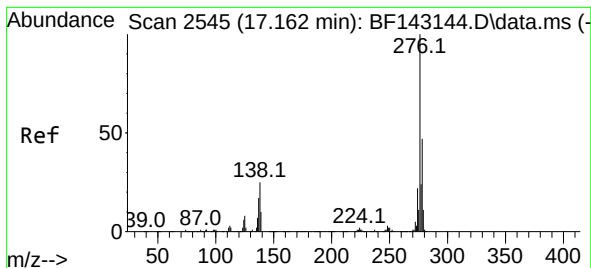
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.423 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

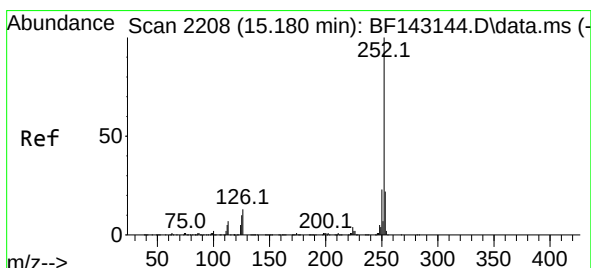
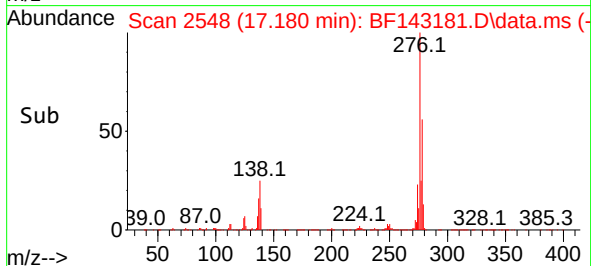
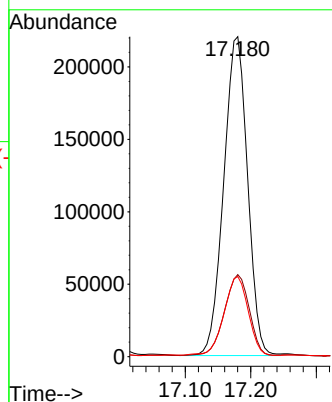
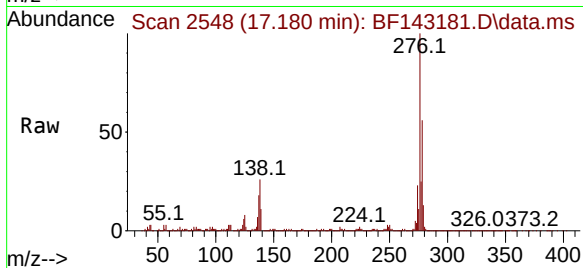
Tgt Ion:276 Resp: 555106

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 66.280 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

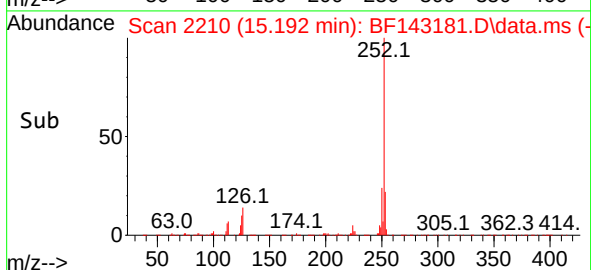
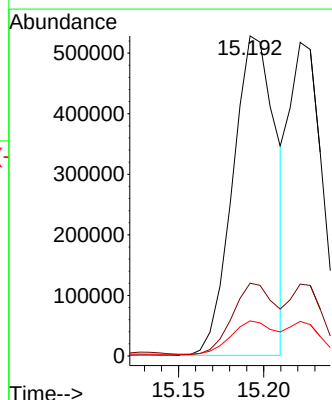
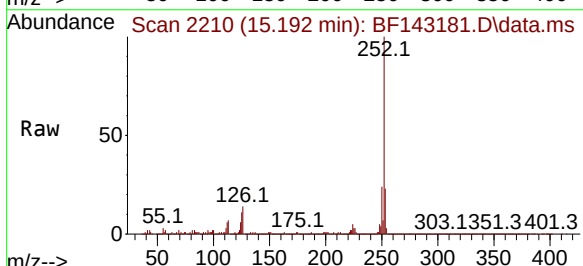
Tgt Ion:252 Resp: 926002

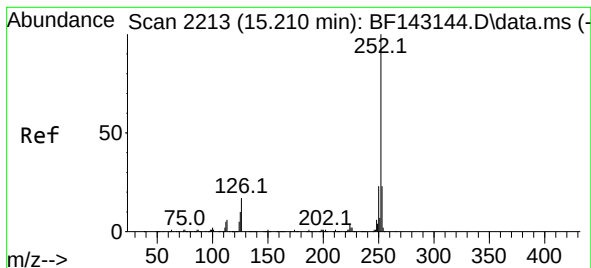
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 55.257 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

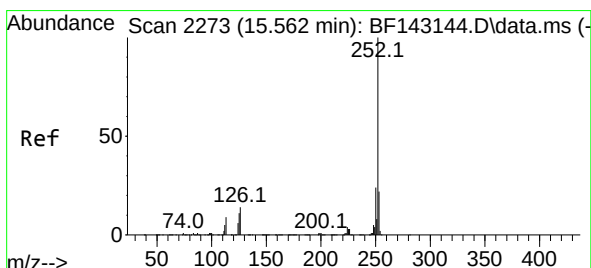
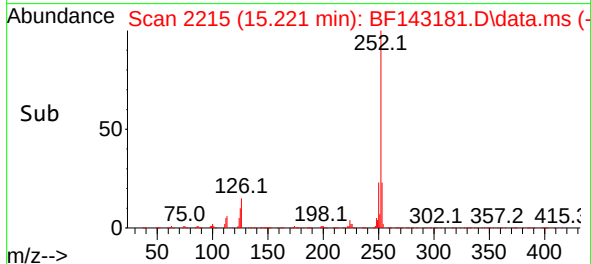
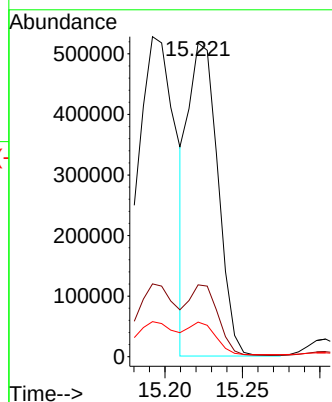
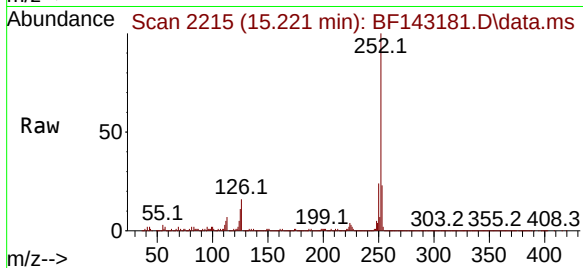
Tgt Ion:252 Resp: 688897

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 11.0 8.1 12.1



#90

Benzo(a)pyrene

Concen: 57.025 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

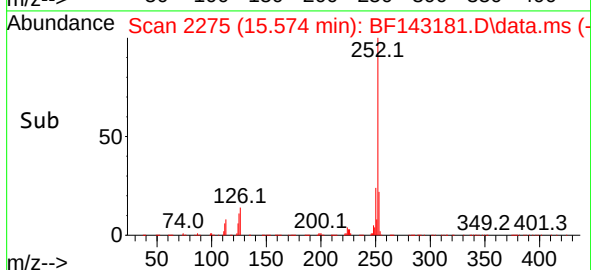
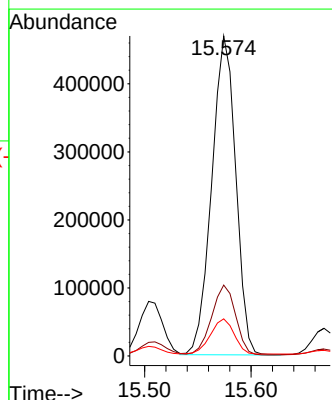
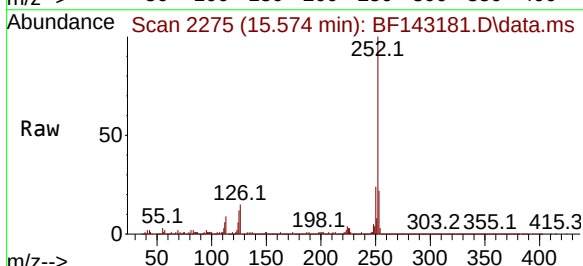
Tgt Ion:252 Resp: 734037

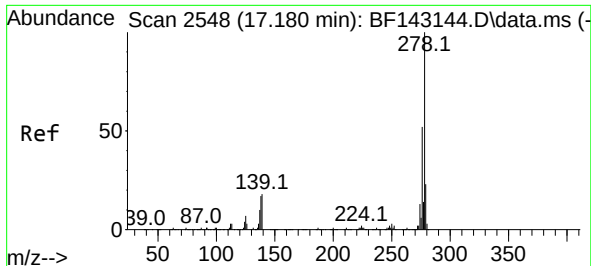
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 11.6 8.6 13.0

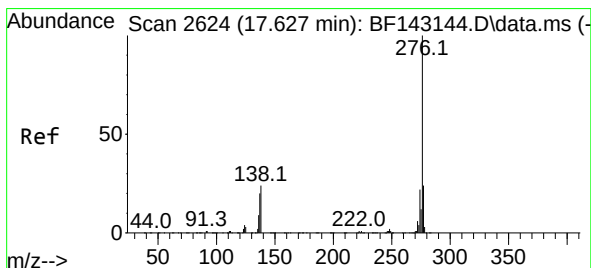
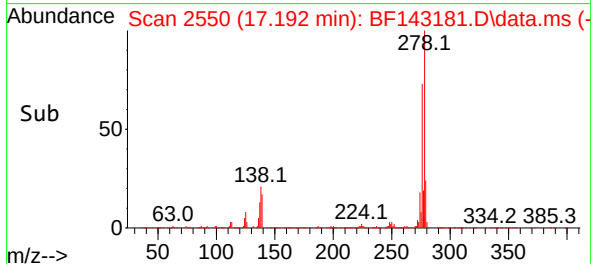
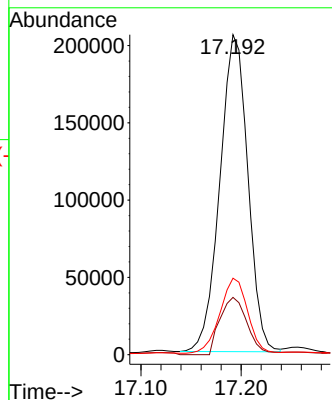
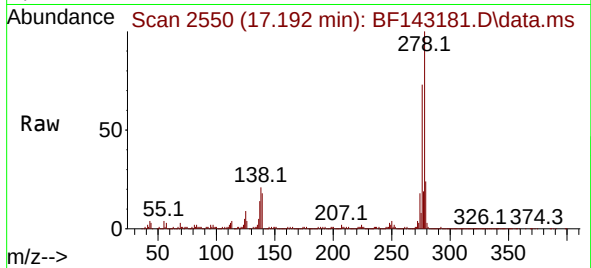




#91
Dibenzo(a,h)anthracene
Concen: 30.296 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD

Tgt Ion:278 Resp: 397652
Ion Ratio Lower Upper
278 100
139 17.9 14.1 21.1
279 23.9 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 35.394 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:276 Resp: 449394
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 23.8 18.9 28.3

