

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143237.D
 Acq On : 24 Jul 2025 16:57
 Operator : RC/JU
 Sample : Q2668-09MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Quant Time: Jul 24 17:50:08 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	105933	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	357599	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	160447	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	267401	20.000	ng	0.00
76) Chrysene-d12	14.127	240	264998	20.000	ng	0.00
86) Perylene-d12	15.627	264	204763	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	544404	81.325	ng	0.01
7) Phenol-d6	6.587	99	664705	78.889	ng	0.00
23) Nitrobenzene-d5	7.516	82	435609	60.721	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	143345	86.482	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	695275	59.264	ng	0.00
79) Terphenyl-d14	13.063	244	723948	40.654	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.881	88	124112	39.183	ng	99
3) Pyridine	3.634	79	323179	39.309	ng	99
4) n-Nitrosodimethylamine	3.575	42	176836	41.660	ng	97
6) Aniline	6.622	93	213039	18.142	ng	100
8) 2-Chlorophenol	6.745	128	263935	37.614	ng	98
9) Benzaldehyde	6.510	77	183407	29.029	ng	98
10) Phenol	6.598	94	339419	36.977	ng	96
11) bis(2-Chloroethyl)ether	6.692	93	270386	38.472	ng	100
12) 1,3-Dichlorobenzene	6.904	146	301471	39.550	ng	99
13) 1,4-Dichlorobenzene	6.981	146	305399	39.784	ng	99
14) 1,2-Dichlorobenzene	7.134	146	284696	38.994	ng	99
15) Benzyl Alcohol	7.098	79	242669	37.719	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	483777	37.107	ng	99
17) 2-Methylphenol	7.210	107	214041	36.279	ng	99
18) Hexachloroethane	7.481	117	105007	39.514	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	192110	35.538	ng	97
20) 3+4-Methylphenols	7.357	107	258628	36.130	ng	# 80
22) Acetophenone	7.363	105	355695	42.013	ng	# 96
24) Nitrobenzene	7.534	77	289075	43.221	ng	99
25) Isophorone	7.775	82	509824	40.257	ng	100
26) 2-Nitrophenol	7.851	139	128717	44.343	ng	97
27) 2,4-Dimethylphenol	7.886	122	231079	39.054	ng	99
28) bis(2-Chloroethoxy)met...	7.981	93	308494	40.628	ng	100
29) 2,4-Dichlorophenol	8.098	162	193604	38.799	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	224516	41.648	ng	99
31) Naphthalene	8.263	128	720490	40.911	ng	100
32) Benzoic acid	7.975	122	111740	35.087	ng	98
33) 4-Chloroaniline	8.304	127	105301	14.643	ng	99
34) Hexachlorobutadiene	8.386	225	140723	42.732	ng	99
35) Caprolactam	8.657	113	62210	41.257	ng	98
36) 4-Chloro-3-methylphenol	8.786	107	199076	36.706	ng	97
37) 2-Methylnaphthalene	8.957	142	416640	38.877	ng	99
38) 1-Methylnaphthalene	9.051	142	424318	38.450	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	206178	44.509	ng	99
41) Hexachlorocyclopentadiene	9.110	237	115134	38.199	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	128651	40.129	ng	99

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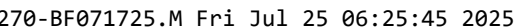
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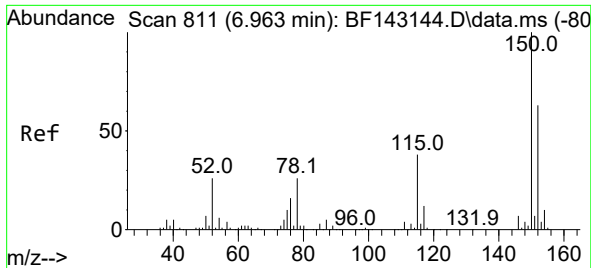
Quant Time: Jul 24 17:50:08 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	127754	39.837	ng	98
46) 1,1'-Biphenyl	9.416	154	553242	44.196	ng	100
47) 2-Chloronaphthalene	9.445	162	390312	42.139	ng	99
48) 2-Nitroaniline	9.528	65	130940	45.079	ng	97
49) Acenaphthylene	9.857	152	639224	41.181	ng	99
50) Dimethylphthalate	9.710	163	460881	44.068	ng	99
51) 2,6-Dinitrotoluene	9.769	165	94491	44.413	ng	99
52) Acenaphthene	10.033	154	375561	40.936	ng	99
53) 3-Nitroaniline	9.939	138	70877	28.482	ng	99
54) 2,4-Dinitrophenol	10.039	184	26481	31.839	ng	# 1
55) Dibenzofuran	10.204	168	550960	40.449	ng	99
56) 4-Nitrophenol	10.092	139	163760	88.125	ng	98
57) 2,4-Dinitrotoluene	10.175	165	121982	45.699	ng	94
58) Fluorene	10.545	166	416511	40.743	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	102892	38.733	ng	98
60) Diethylphthalate	10.410	149	451365	43.665	ng	100
61) 4-Chlorophenyl-phenyle...	10.533	204	206490	40.564	ng	97
62) 4-Nitroaniline	10.551	138	78823	36.958	ng	98
63) Azobenzene	10.698	77	481490	44.692	ng	92
65) 4,6-Dinitro-2-methylph...	10.580	198	23751	20.445	ng	99
66) n-Nitrosodiphenylamine	10.651	169	369152	39.205	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	123247	38.675	ng	100
68) Hexachlorobenzene	11.098	284	130254	39.106	ng	99
69) Atrazine	11.175	200	119180	45.911	ng	99
70) Pentachlorophenol	11.286	266	166558	85.032	ng	98
71) Phenanthrene	11.510	178	597323	42.070	ng	100
72) Anthracene	11.563	178	610800	42.181	ng	99
73) Carbazole	11.710	167	594672	47.031	ng	100
74) Di-n-butylphthalate	12.039	149	697807	48.774	ng	100
75) Fluoranthene	12.698	202	714734	54.844	ng	99
77) Benzidine	12.810	184	388621	38.064	ng	99
78) Pyrene	12.927	202	746471	33.006	ng	100
80) Butylbenzylphthalate	13.539	149	324106	46.800	ng	99
81) Benzo(a)anthracene	14.115	228	743164	41.888	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	166422	28.145	ng	99
83) Chrysene	14.151	228	675867	42.370	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	477569	45.560	ng	99
85) Di-n-octyl phthalate	14.715	149	839267	44.171	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	424011	29.367	ng	98
88) Benzo(b)fluoranthene	15.186	252	609415	48.718	ng	99
89) Benzo(k)fluoranthene	15.215	252	575464	51.553	ng	99
90) Benzo(a)pyrene	15.562	252	501437	43.508	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	343981	29.270	ng	99
92) Benzo(g,h,i)perylene	17.627	276	333633	29.348	ng	99

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

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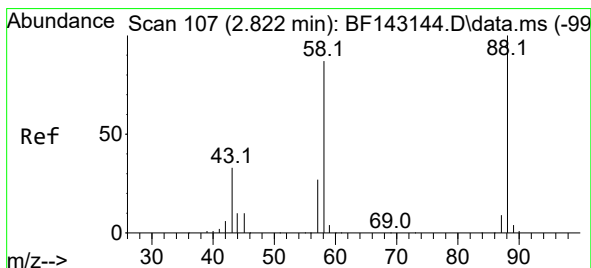
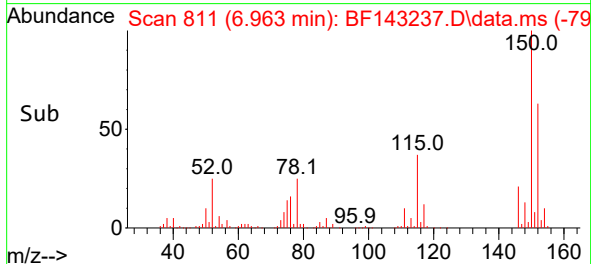
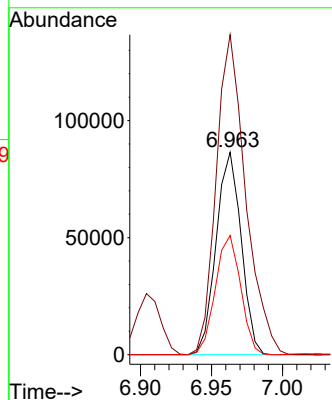
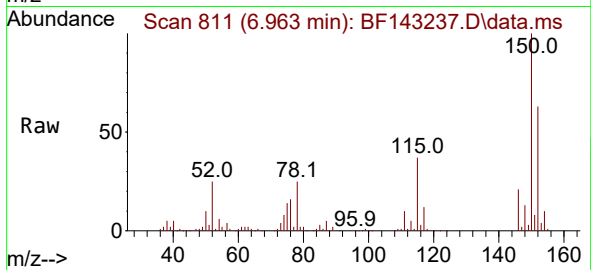




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

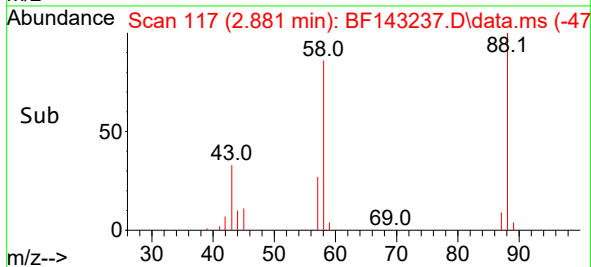
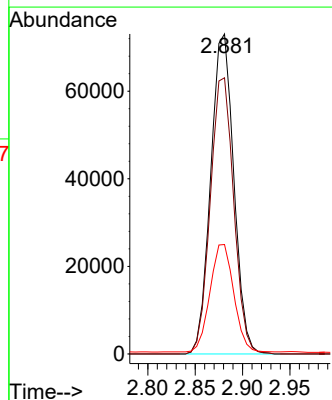
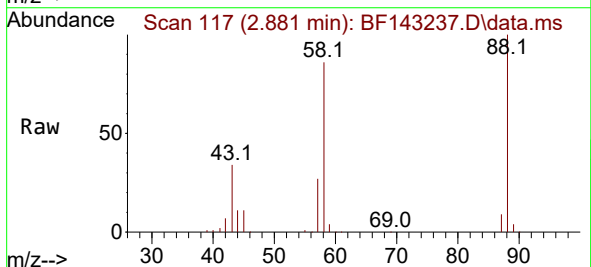
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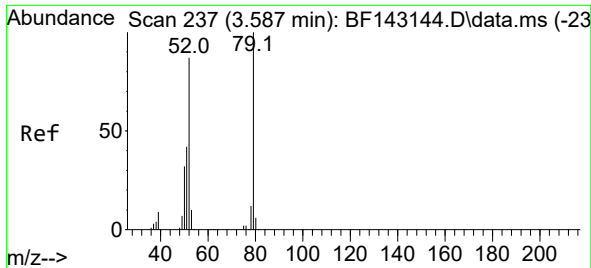
Tgt Ion:152 Resp: 105933
 Ion Ratio Lower Upper
 152 100
 150 158.1 128.2 192.4
 115 58.9 47.9 71.9



#2
 1,4-Dioxane
 Concen: 39.183 ng
 RT: 2.881 min Scan# 117
 Delta R.T. 0.059 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

Tgt Ion: 88 Resp: 124112
 Ion Ratio Lower Upper
 88 100
 58 87.4 70.2 105.2
 43 34.4 27.1 40.7





#3

Pyridine

Concen: 39.309 ng

RT: 3.634 min Scan# 24

Delta R.T. 0.047 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

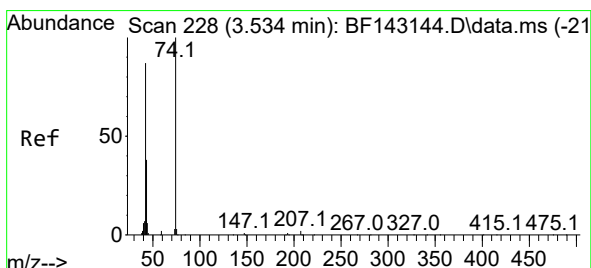
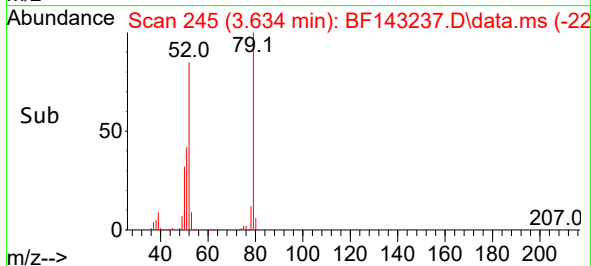
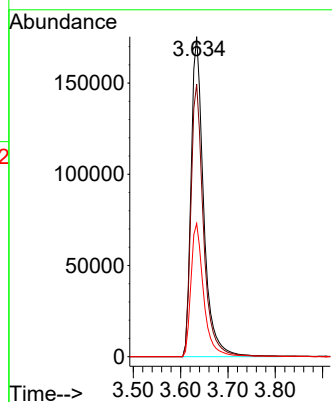
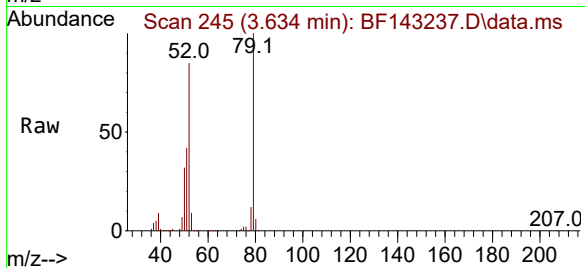
Tgt Ion: 79 Resp: 323179

Ion Ratio Lower Upper

79 100

52 85.2 69.4 104.2

51 41.6 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 41.660 ng

RT: 3.575 min Scan# 235

Delta R.T. 0.041 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

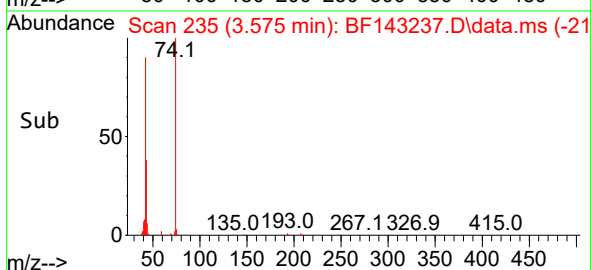
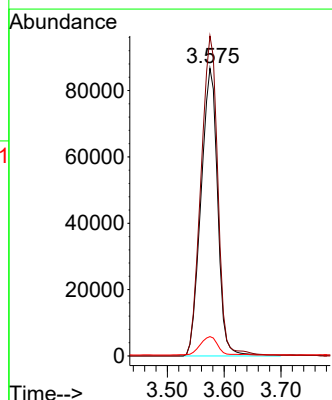
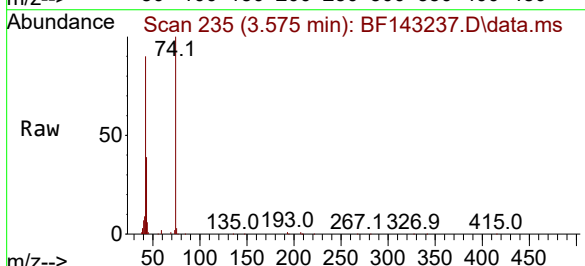
Tgt Ion: 42 Resp: 176836

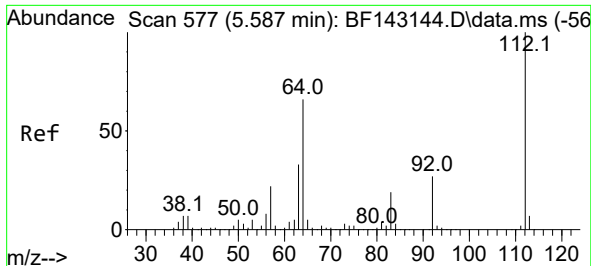
Ion Ratio Lower Upper

42 100

74 111.3 91.7 137.5

44 6.7 5.6 8.4

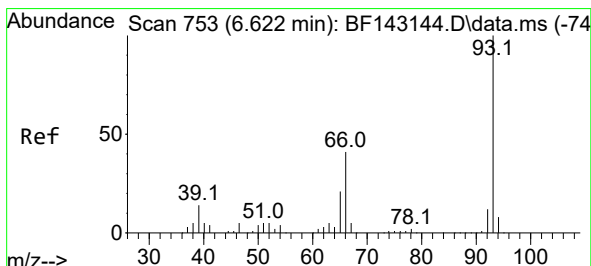
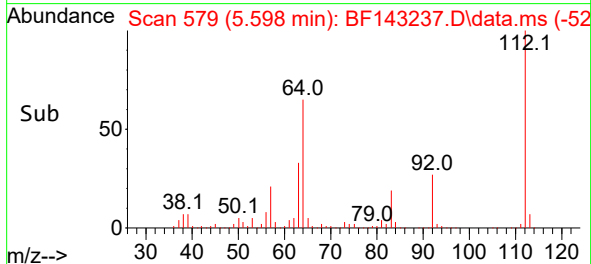
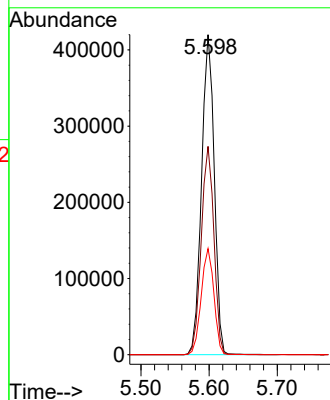
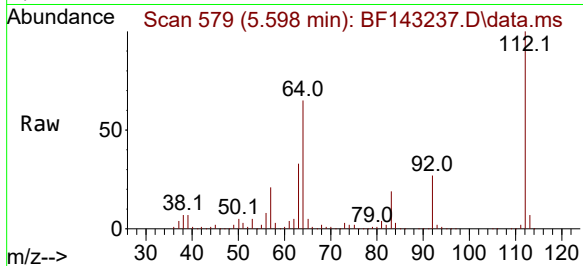




#5
2-Fluorophenol
Concen: 81.325 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

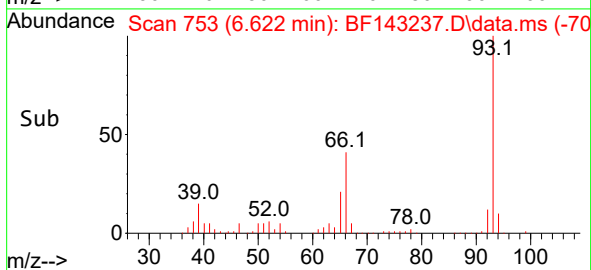
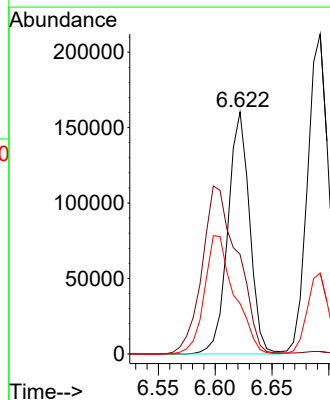
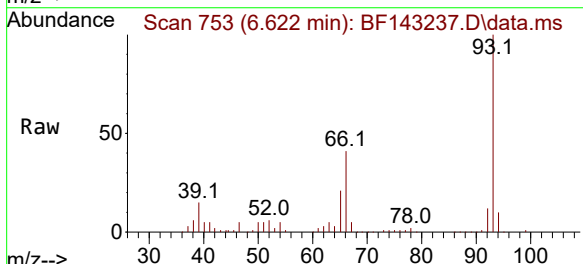
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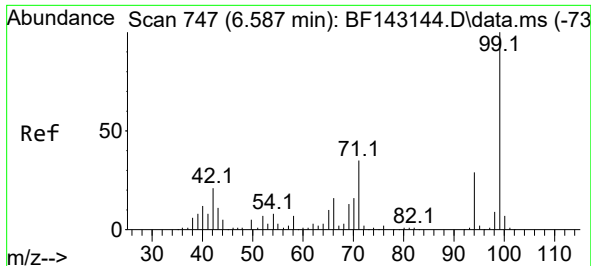
Tgt Ion:112 Resp: 544404
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 18.142 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion: 93 Resp: 213039
Ion Ratio Lower Upper
93 100
66 41.2 33.2 49.8
65 20.8 16.9 25.3

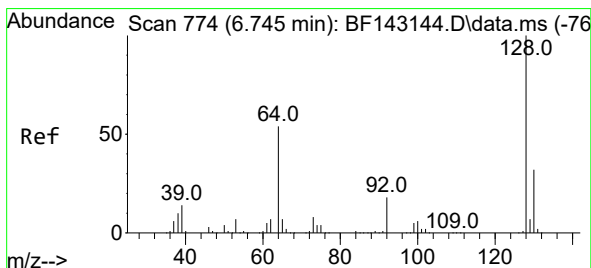
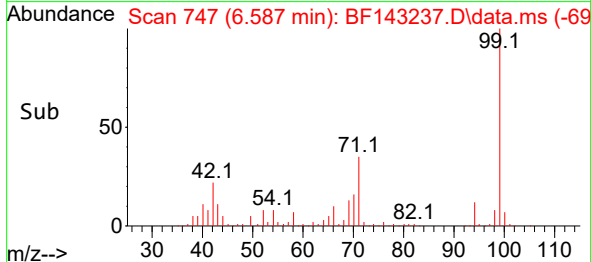
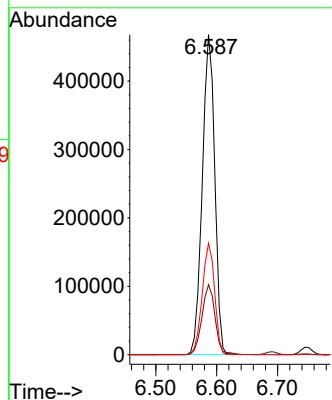
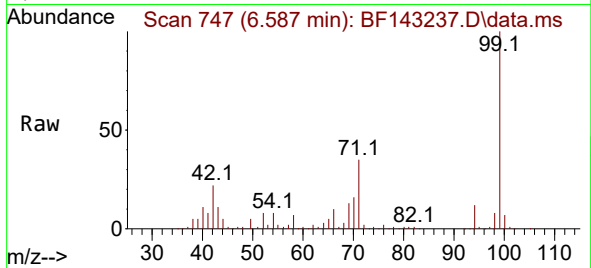




#7
Phenol-d6
Concen: 78.889 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

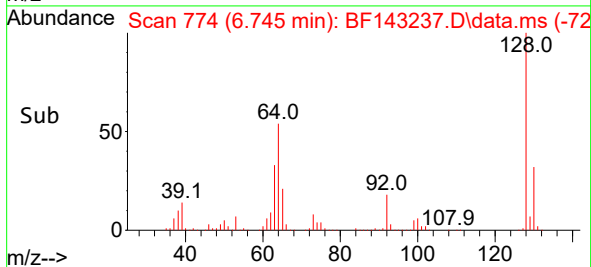
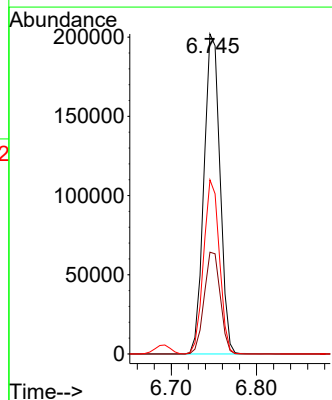
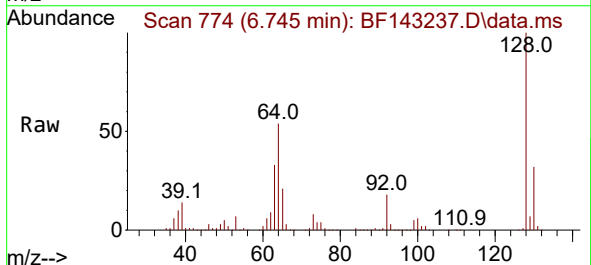
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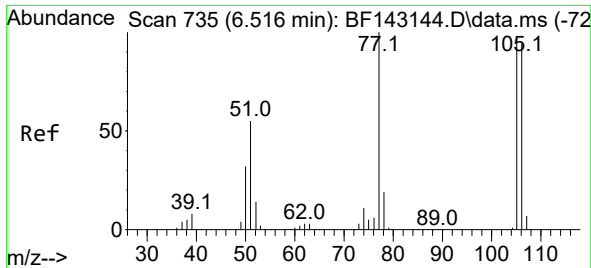
Tgt Ion: 99 Resp: 664705
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 34.8 27.7 41.5



#8
2-Chlorophenol
Concen: 37.614 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion: 128 Resp: 263935
Ion Ratio Lower Upper
128 100
130 31.8 12.3 52.3
64 54.4 35.9 75.9

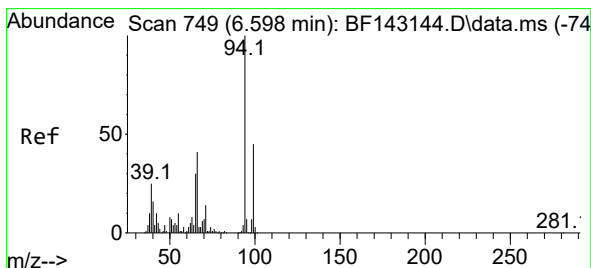
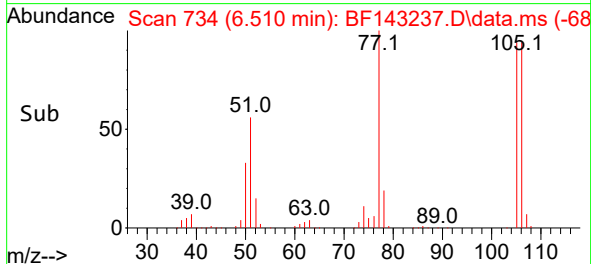
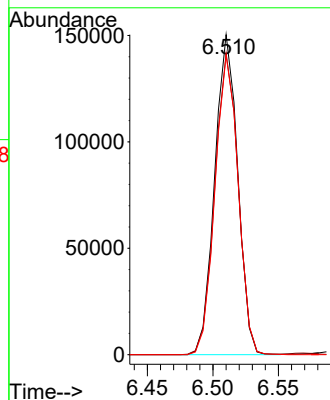
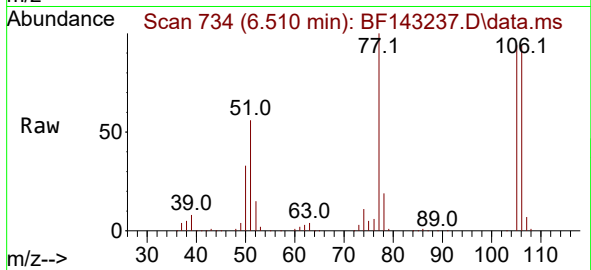




#9
Benzaldehyde
Concen: 29.029 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

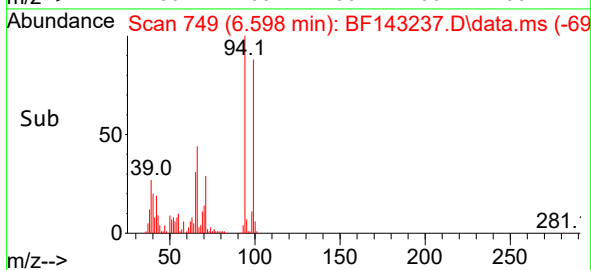
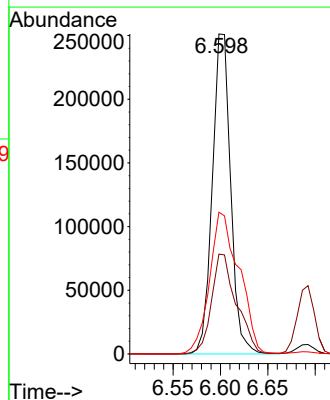
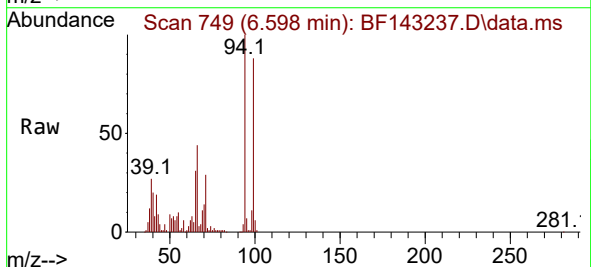
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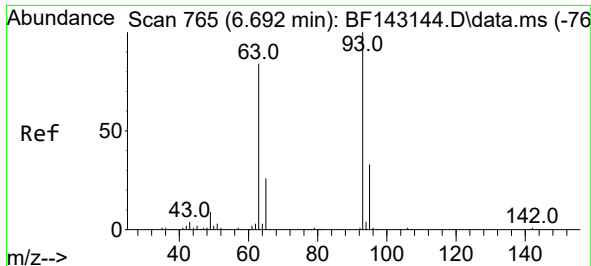
Tgt Ion: 77 Resp: 183407
Ion Ratio Lower Upper
77 100
105 94.2 76.8 116.8
106 93.6 74.4 114.4



#10
Phenol
Concen: 36.977 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion: 94 Resp: 339419
Ion Ratio Lower Upper
94 100
65 31.2 10.0 50.0
66 44.3 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 38.472 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

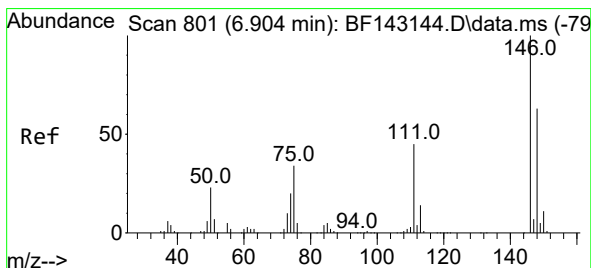
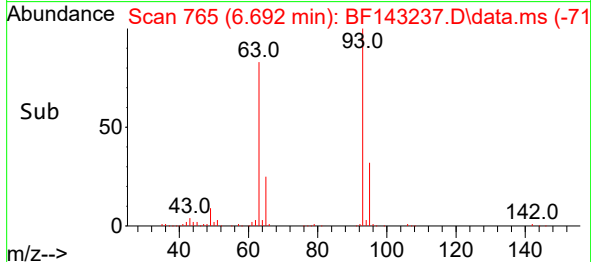
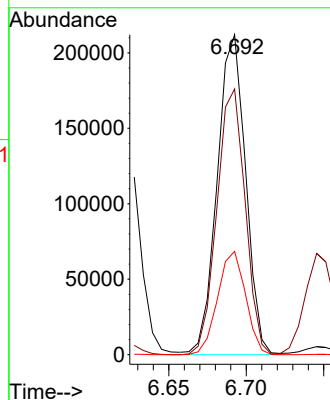
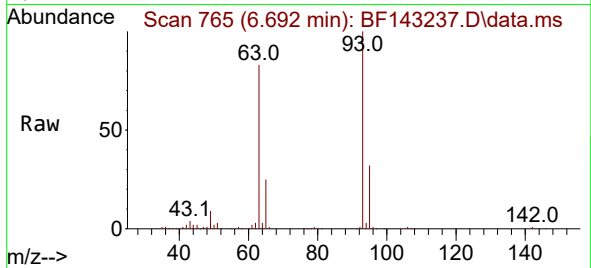
Tgt Ion: 93 Resp: 270386

Ion Ratio Lower Upper

93 100

63 83.1 63.4 103.4

95 32.3 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 39.550 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

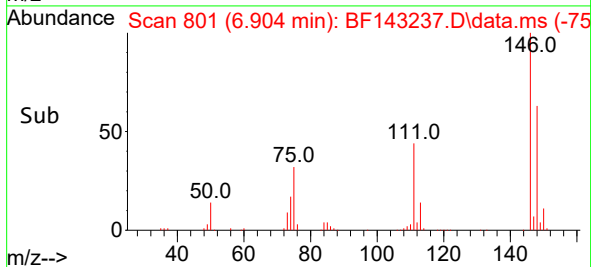
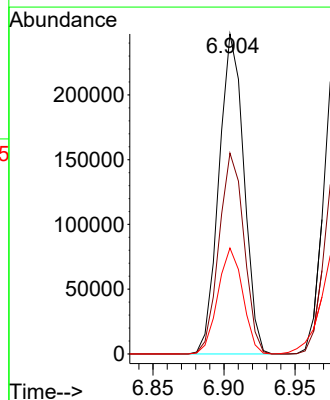
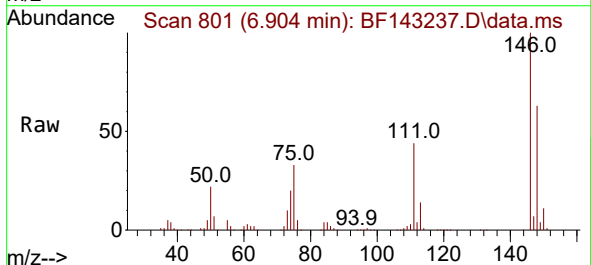
Tgt Ion:146 Resp: 301471

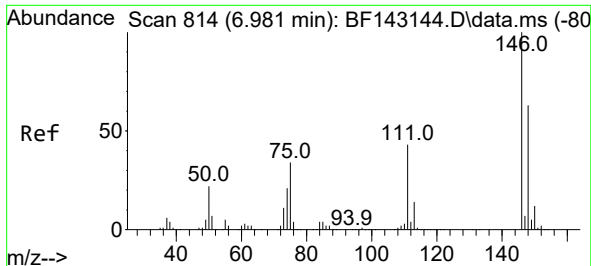
Ion Ratio Lower Upper

146 100

148 62.8 50.6 76.0

75 33.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.784 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

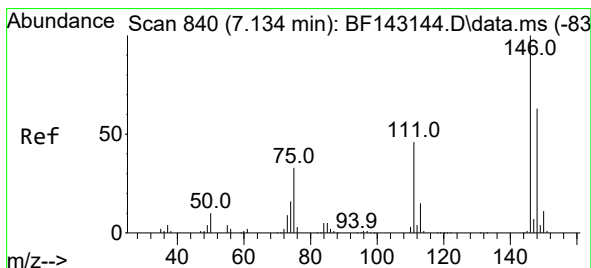
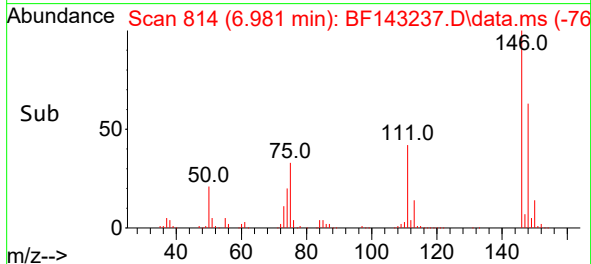
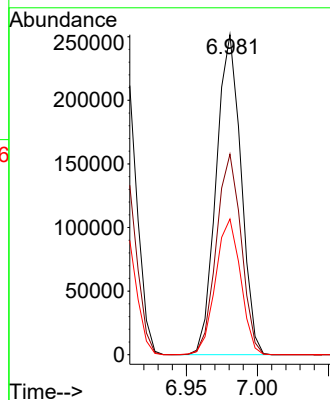
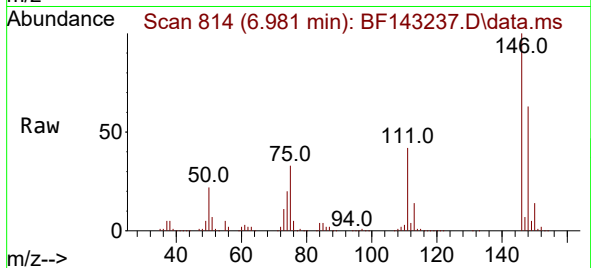
Tgt Ion:146 Resp: 305399

Ion Ratio Lower Upper

146 100

148 62.7 50.3 75.5

111 42.4 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 38.994 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

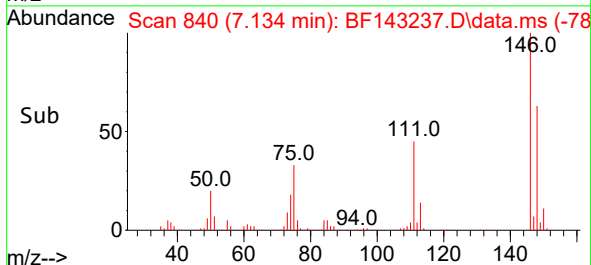
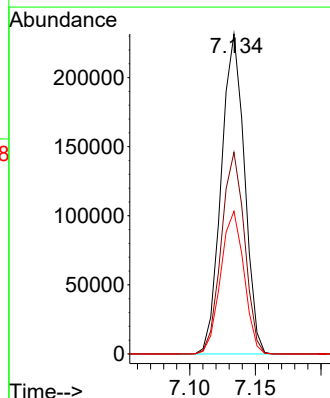
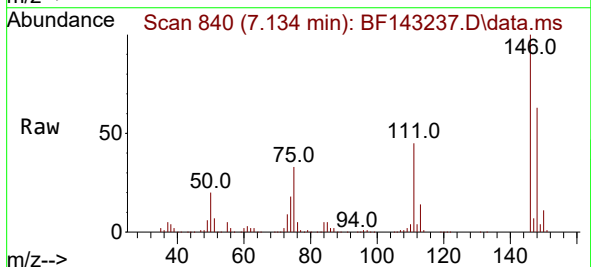
Tgt Ion:146 Resp: 284696

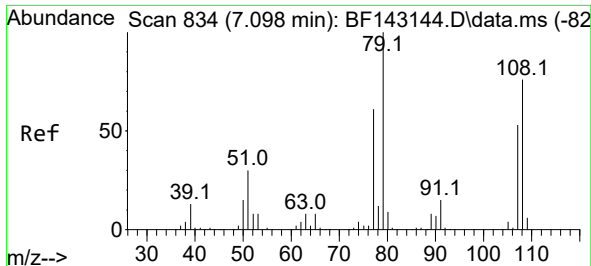
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 44.6 36.6 54.8

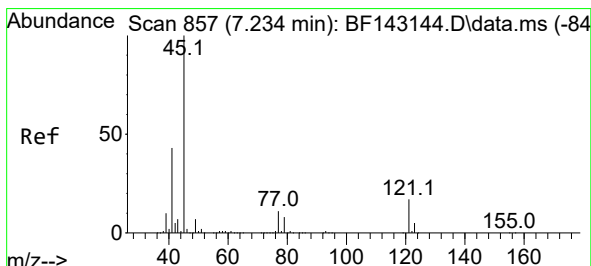
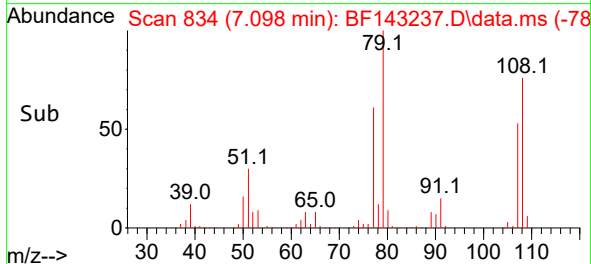
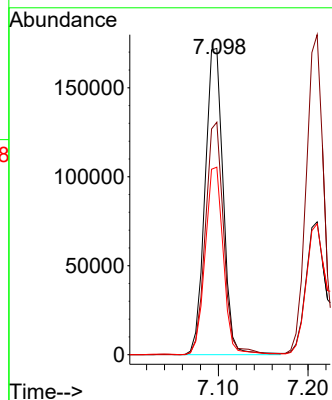
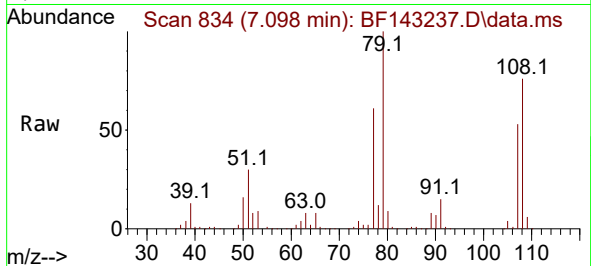




#15
Benzyl Alcohol
Concen: 37.719 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

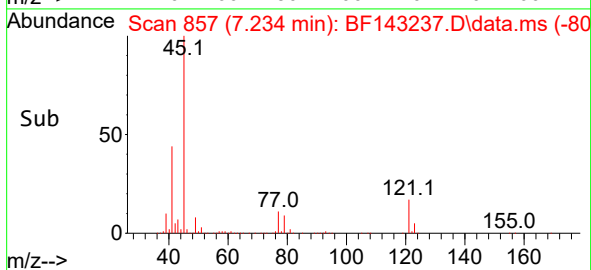
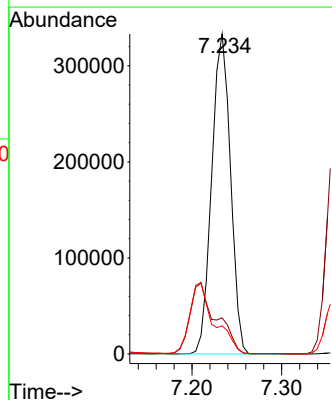
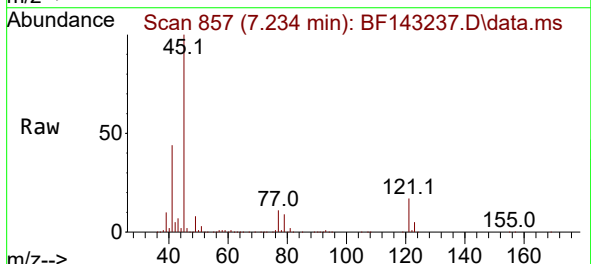
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

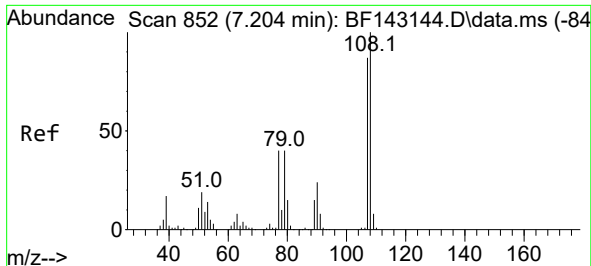
Tgt Ion: 79 Resp: 242669
Ion Ratio Lower Upper
79 100
108 75.9 61.1 91.7
77 61.2 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.107 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion: 45 Resp: 483777
Ion Ratio Lower Upper
45 100
77 11.3 0.0 31.2
79 8.8 0.0 28.5

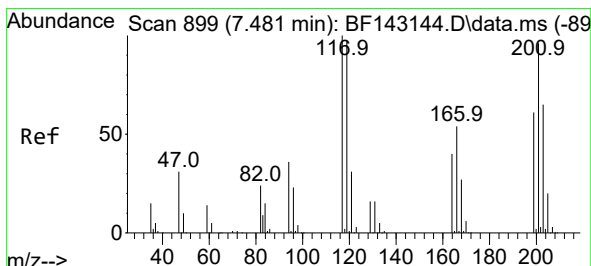
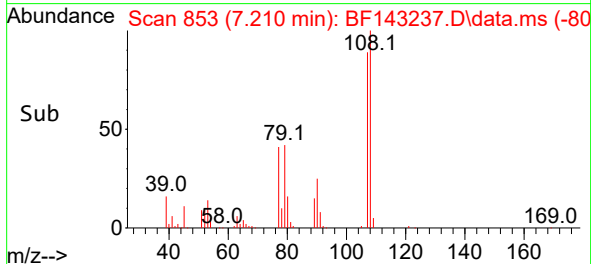
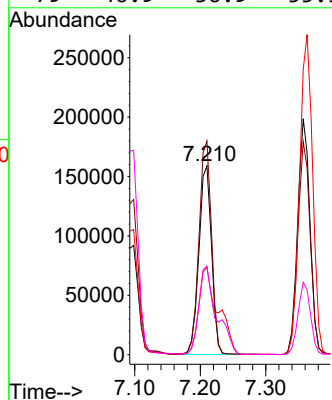
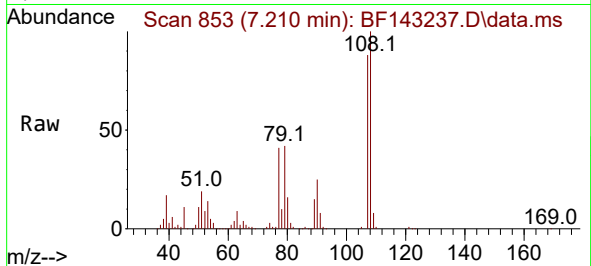




#17
2-Methylphenol
Concen: 36.279 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

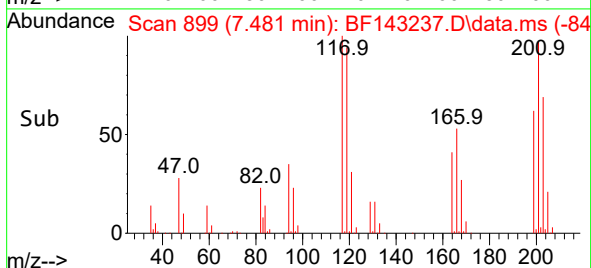
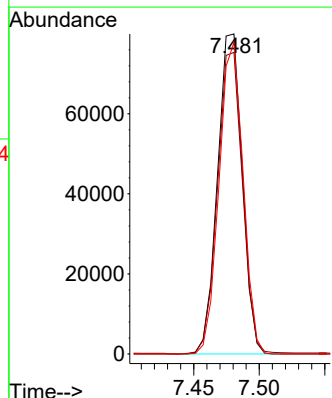
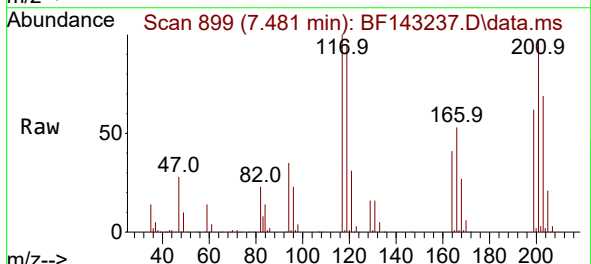
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

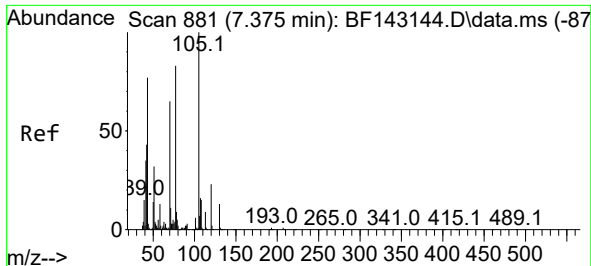
Tgt Ion:	107	Resp:	214041
Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.8	137.6
77	46.3	37.0	55.6
79	46.9	36.9	55.3



#18
Hexachloroethane
Concen: 39.514 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:	117	Resp:	105007
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.8	116.8
201	97.3	77.0	115.4

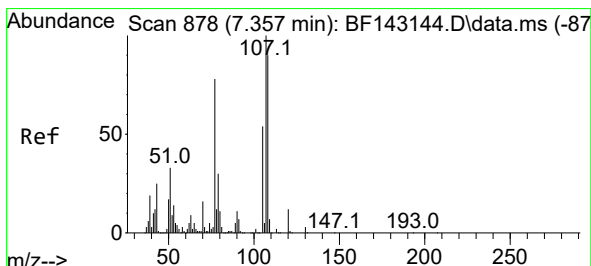
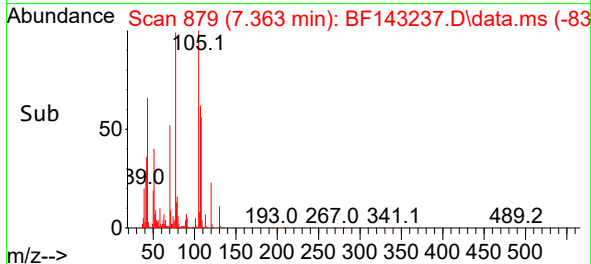
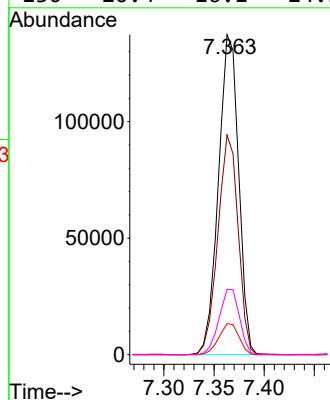
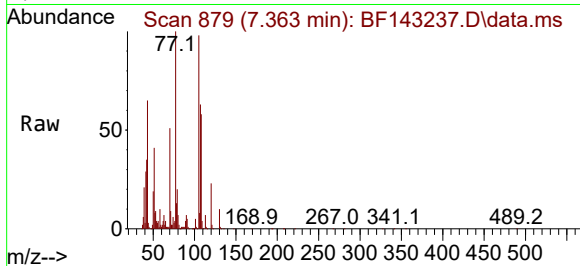




#19
n-Nitroso-di-n-propylamine
Concen: 35.538 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

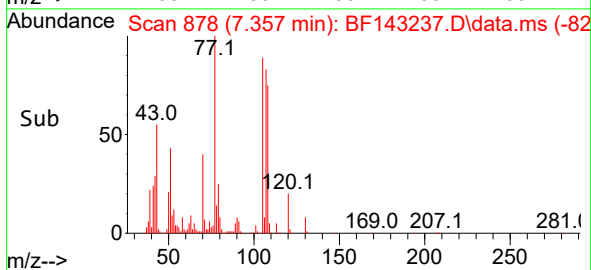
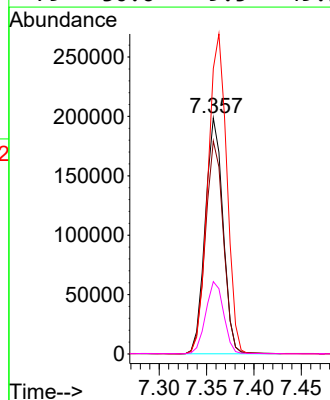
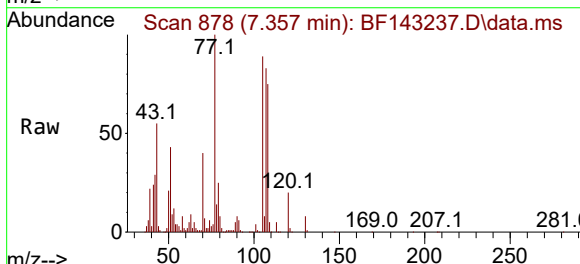
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

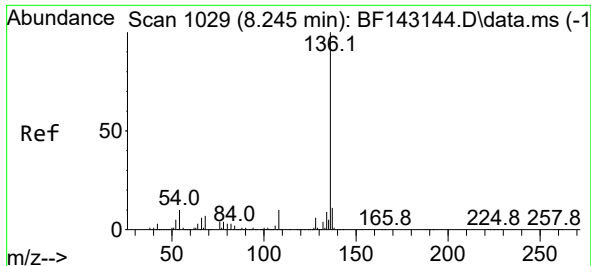
Tgt Ion: 70 Resp: 192110
Ion Ratio Lower Upper
70 100
42 68.6 52.5 78.7
101 9.7 7.6 11.4
130 20.4 16.1 24.1



#20
3+4-Methylphenols
Concen: 36.130 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:107 Resp: 258628
Ion Ratio Lower Upper
107 100
108 90.2 70.0 110.0
77 120.9 57.8 97.8#
79 30.6 9.5 49.5



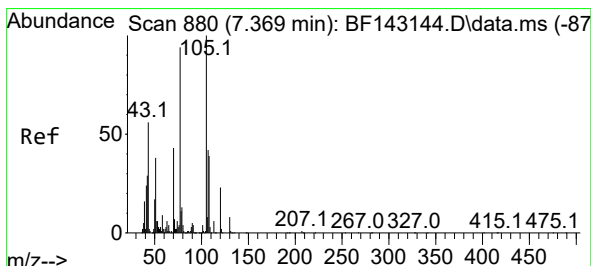
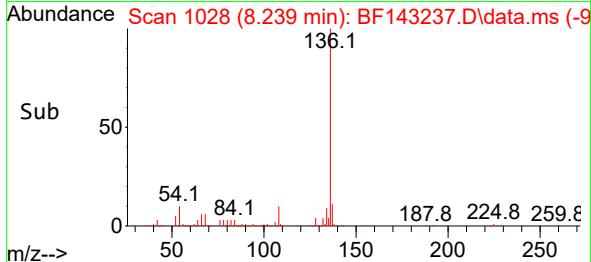
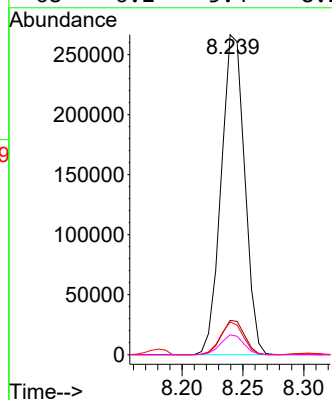
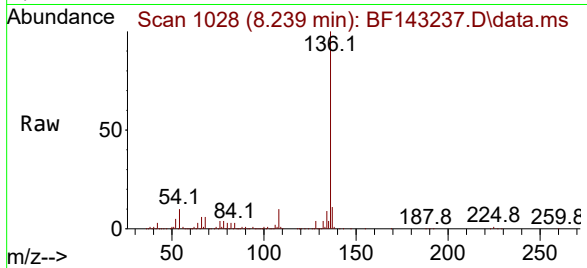


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tgt Ion:136 Resp: 357599

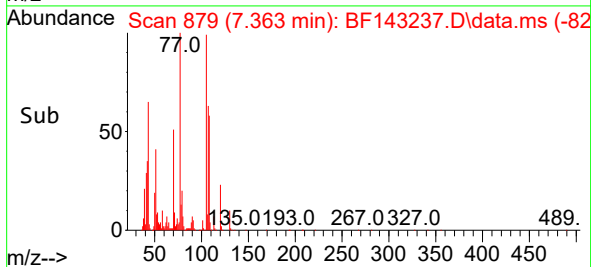
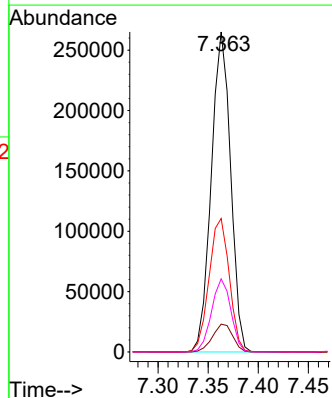
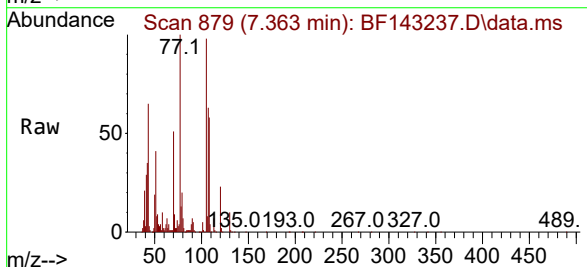
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.2	8.2	12.2
68	6.2	5.4	8.2

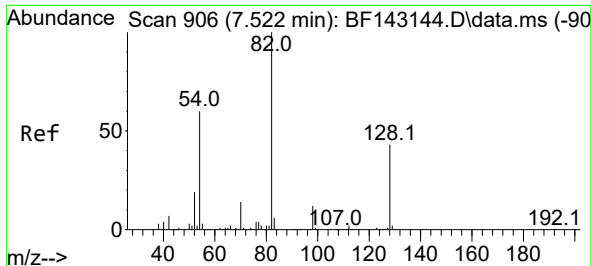


#22
Acetophenone
Concen: 42.013 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:105 Resp: 355695

Ion	Ratio	Lower	Upper
105	100		
71	8.7	5.8	8.6#
51	41.7	30.2	45.2
120	22.9	18.2	27.4





#23

Nitrobenzene-d5

Concen: 60.721 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

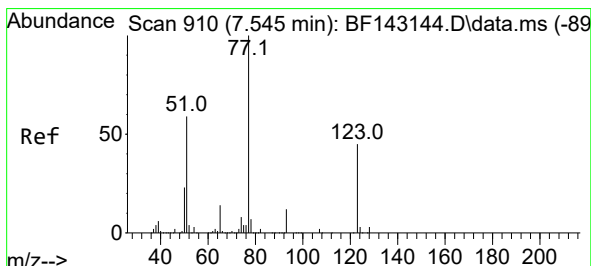
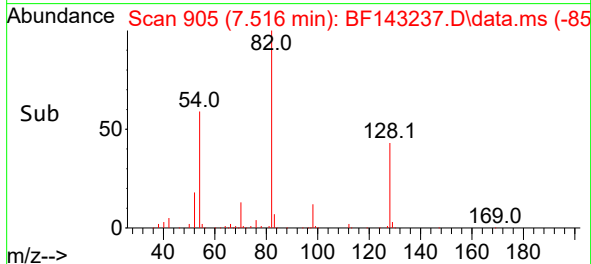
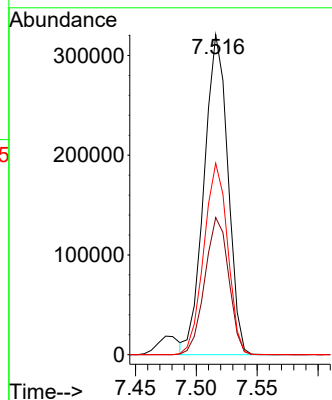
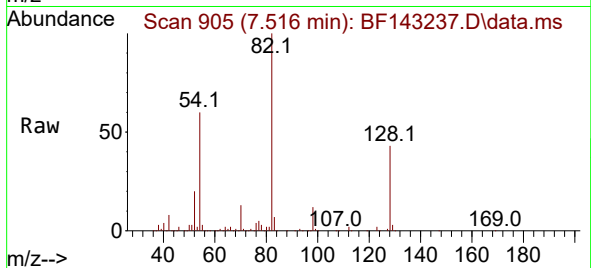
Tgt Ion: 82 Resp: 435609

Ion Ratio Lower Upper

82 100

128 42.9 33.6 50.4

54 59.8 47.1 70.7



#24

Nitrobenzene

Concen: 43.221 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

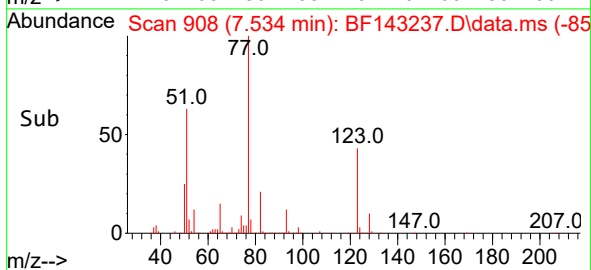
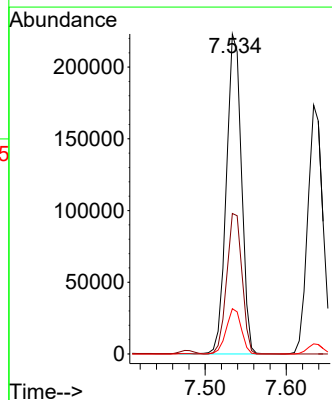
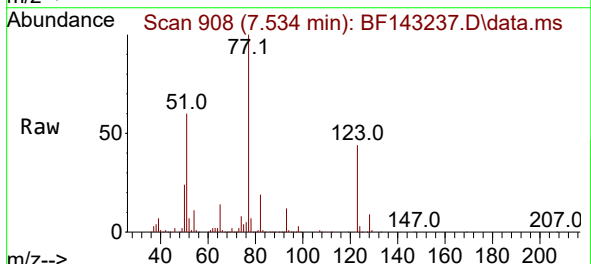
Tgt Ion: 77 Resp: 289075

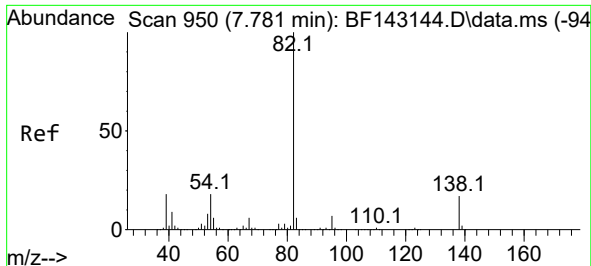
Ion Ratio Lower Upper

77 100

123 43.9 36.1 54.1

65 14.2 11.4 17.2

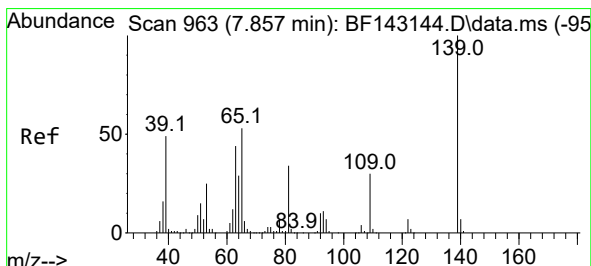
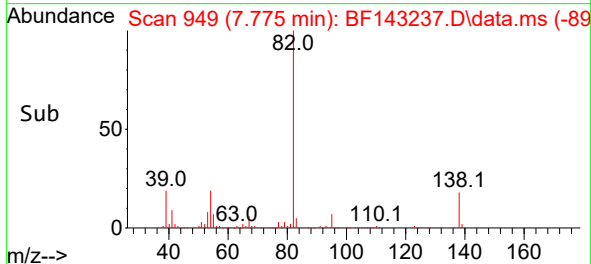
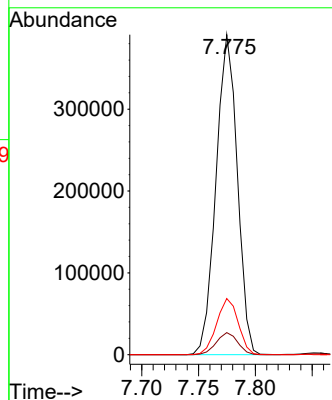
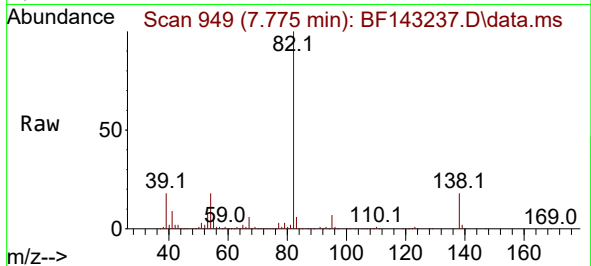




#25
Isophorone
Concen: 40.257 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

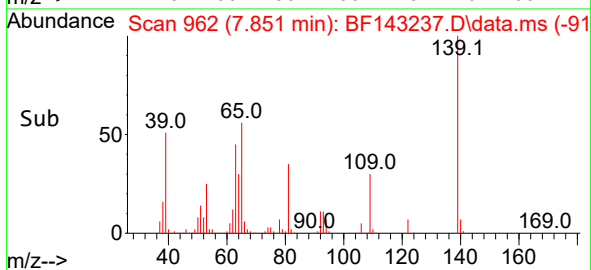
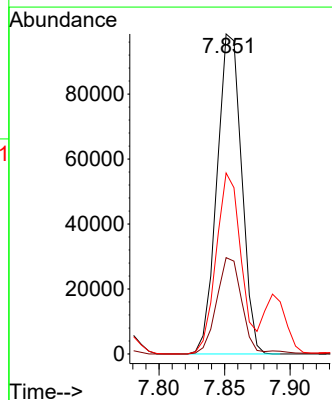
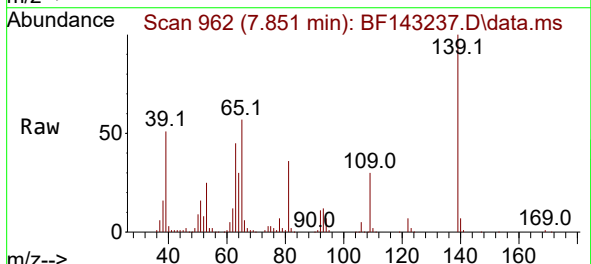
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

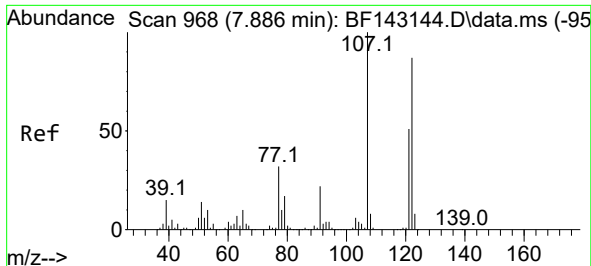
Tgt Ion: 82 Resp: 509824
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.5 13.8 20.8



#26
2-Nitrophenol
Concen: 44.343 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:139 Resp: 128717
Ion Ratio Lower Upper
139 100
109 30.1 23.6 35.4
65 56.6 42.6 64.0

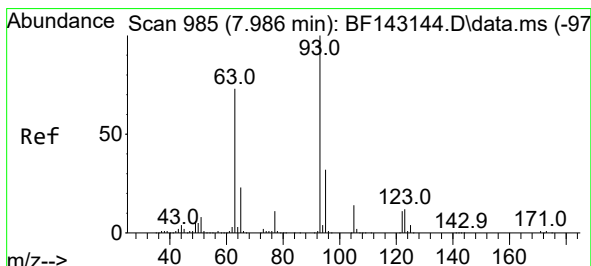
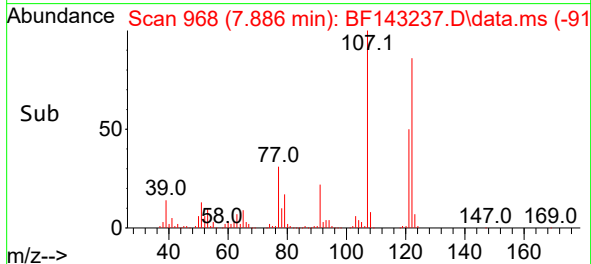
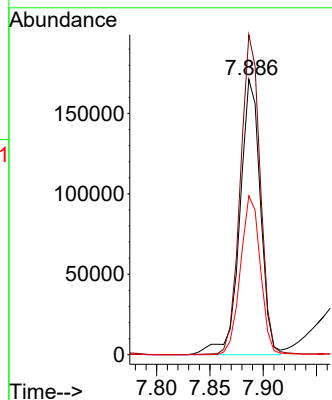
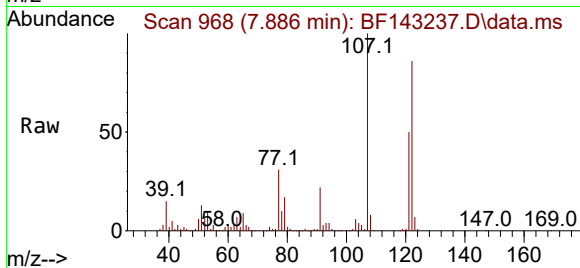




#27
2,4-Dimethylphenol
Concen: 39.054 ng
RT: 7.886 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

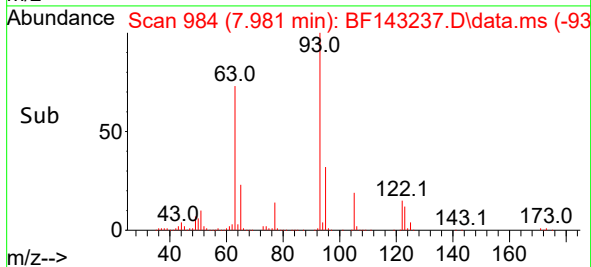
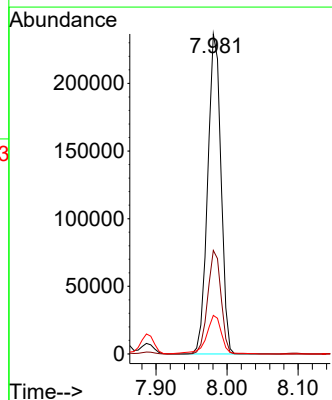
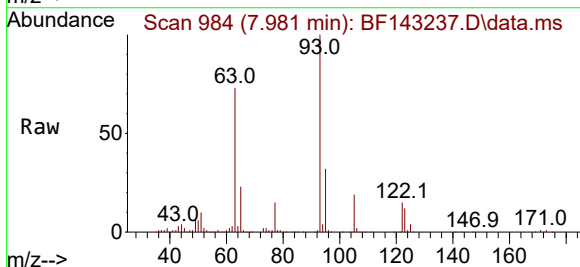
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

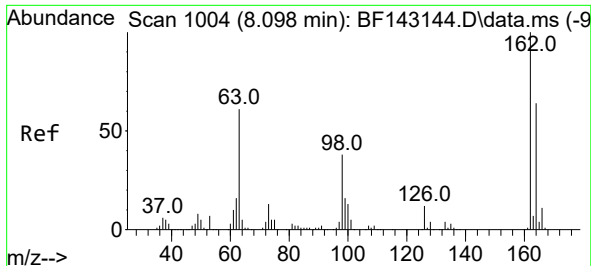
Tgt Ion:122 Resp: 231079
Ion Ratio Lower Upper
122 100
107 116.2 91.8 137.6
121 57.7 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 40.628 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion: 93 Resp: 308494
Ion Ratio Lower Upper
93 100
95 32.4 25.8 38.6
123 12.0 9.7 14.5

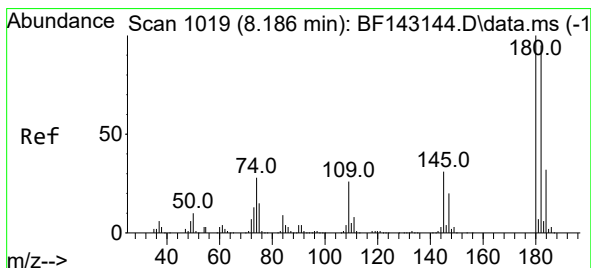
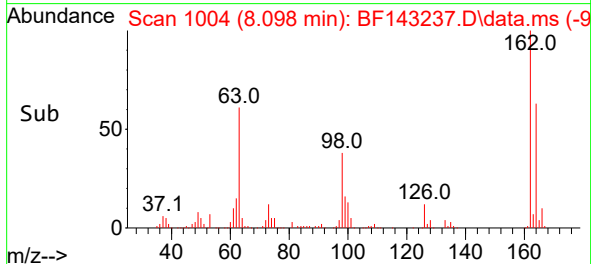
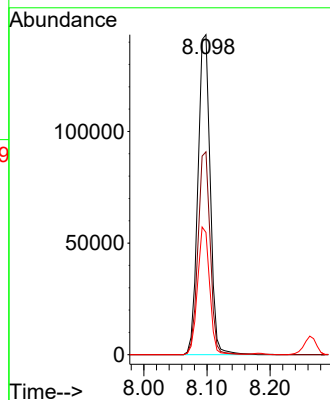
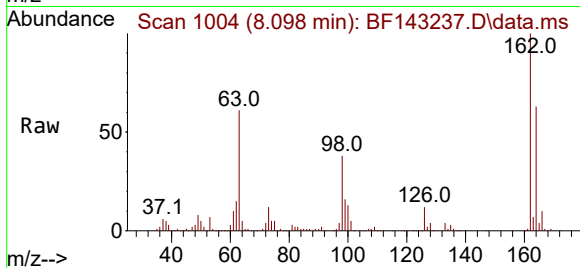




#29
2,4-Dichlorophenol
Concen: 38.799 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

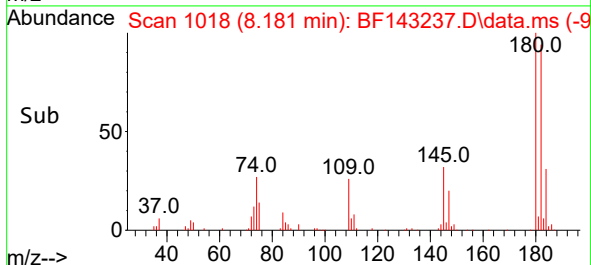
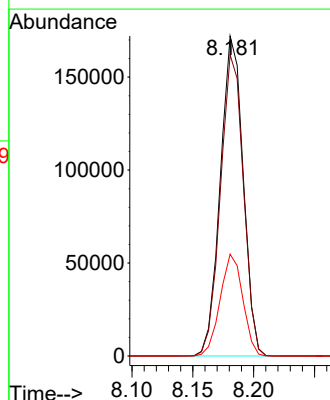
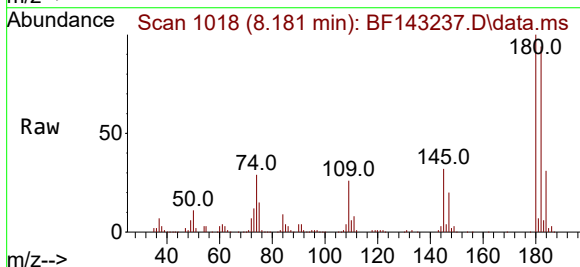
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

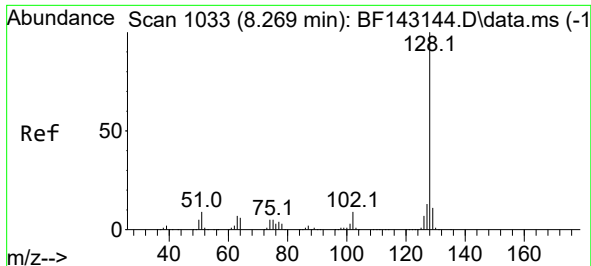
Tgt Ion:162 Resp: 193604
Ion Ratio Lower Upper
162 100
164 63.4 44.2 84.2
98 38.2 17.9 57.9



#30
1,2,4-Trichlorobenzene
Concen: 41.648 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:180 Resp: 224516
Ion Ratio Lower Upper
180 100
182 94.1 76.2 114.2
145 31.8 25.0 37.6

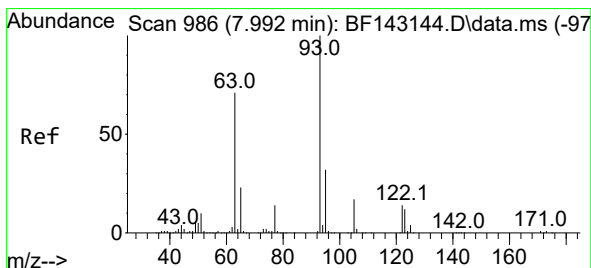
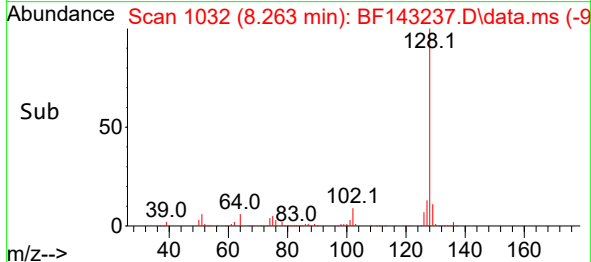
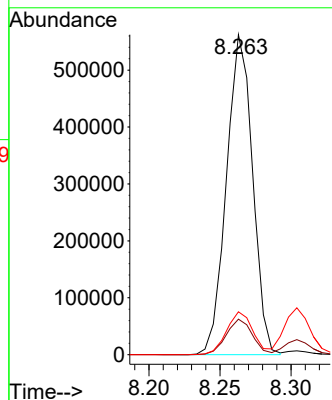
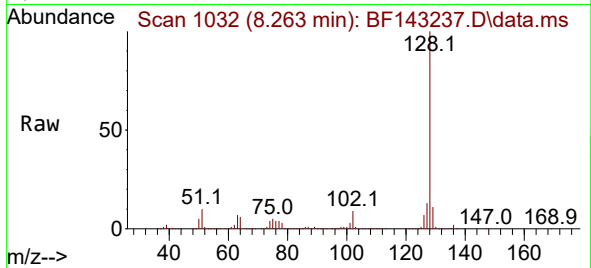




#31
Naphthalene
Concen: 40.911 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

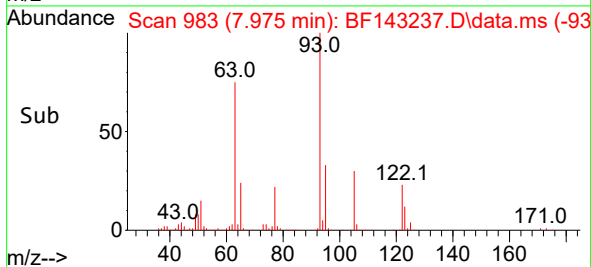
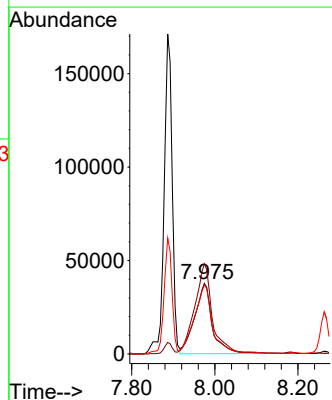
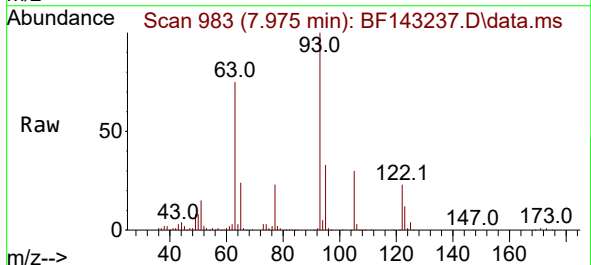
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

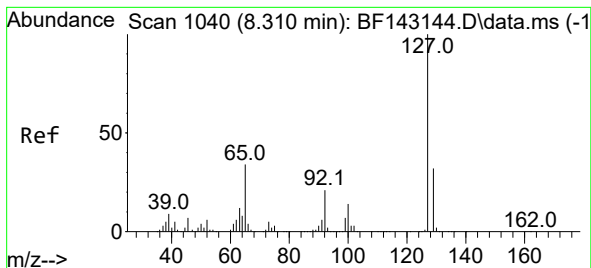
Tgt Ion:128 Resp: 720490
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 35.087 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:122 Resp: 111740
Ion Ratio Lower Upper
122 100
105 128.0 104.8 144.8
77 98.1 77.6 117.6





#33

4-Chloroaniline

Concen: 14.643 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tgt Ion:127 Resp: 105301

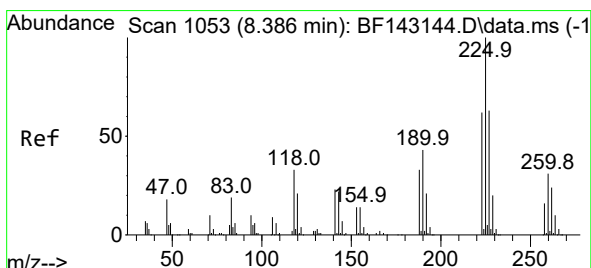
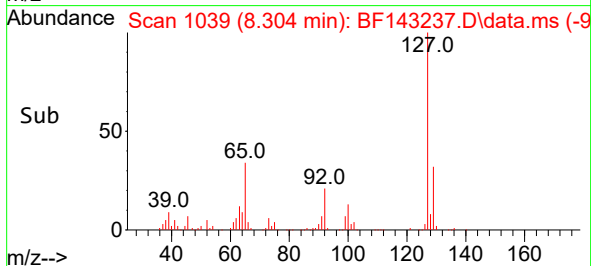
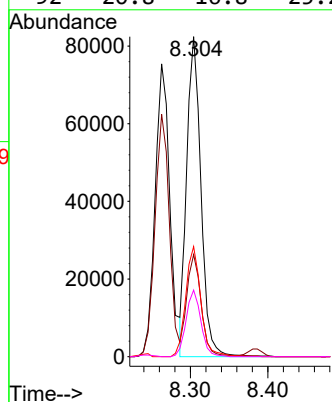
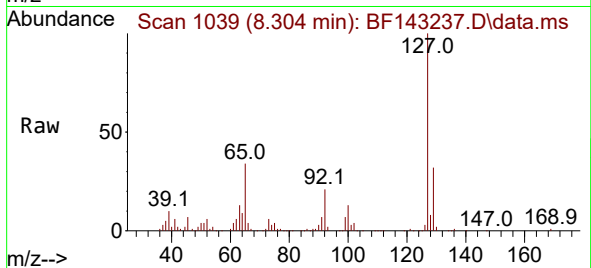
Ion Ratio Lower Upper

127 100

129 31.9 26.0 39.0

65 34.4 27.4 41.2

92 20.8 16.8 25.2



#34

Hexachlorobutadiene

Concen: 42.732 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

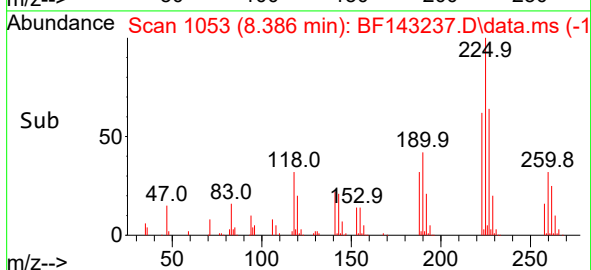
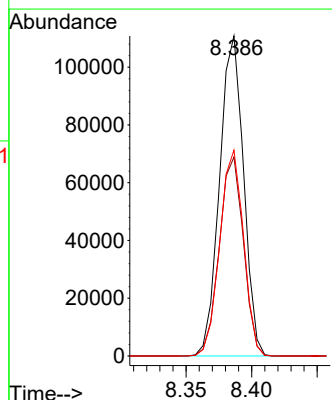
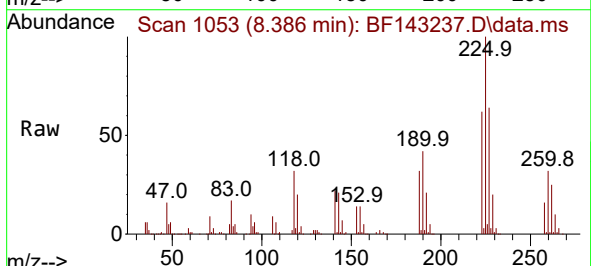
Tgt Ion:225 Resp: 140723

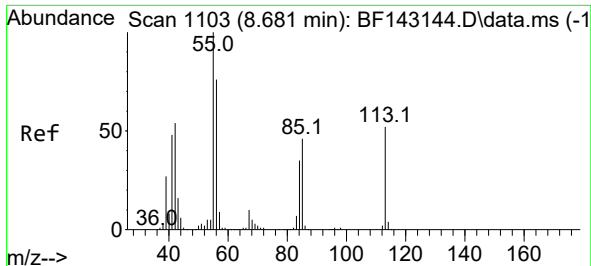
Ion Ratio Lower Upper

225 100

223 62.1 49.8 74.6

227 64.3 50.2 75.4

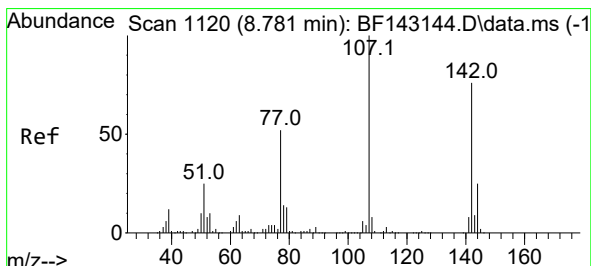
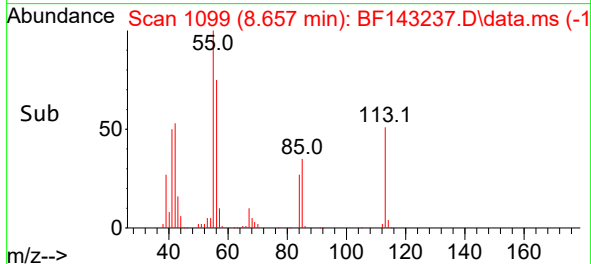
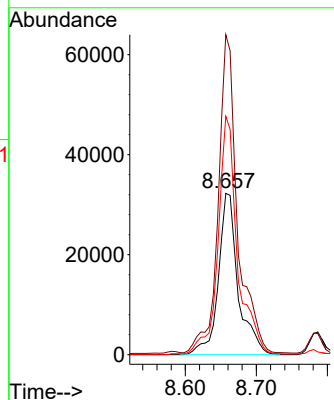
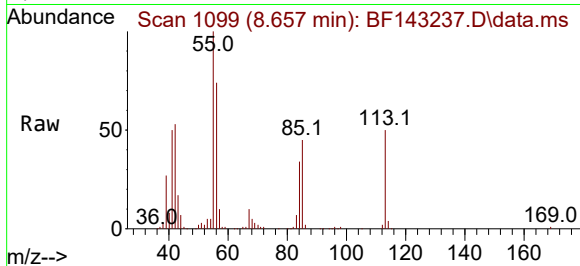




#35
 Caprolactam
 Concen: 41.257 ng
 RT: 8.657 min Scan# 1099
 Delta R.T. -0.024 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

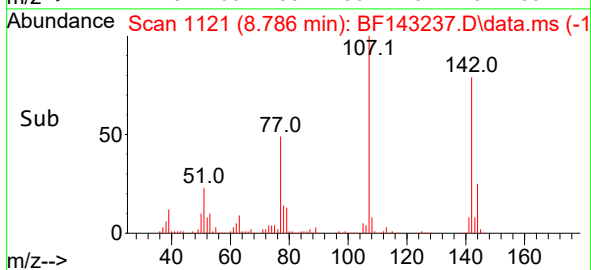
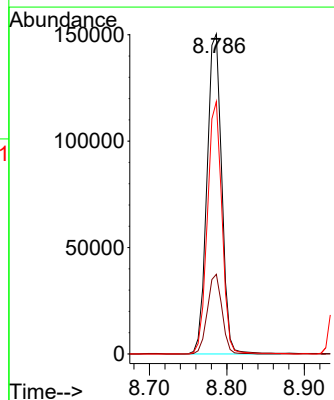
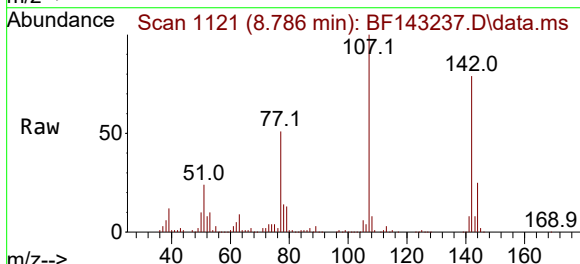
Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

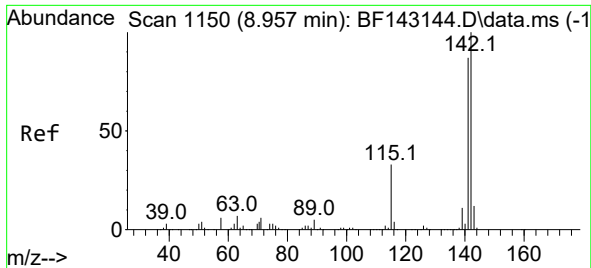
Tgt Ion:113 Resp: 62210
 Ion Ratio Lower Upper
 113 100
 55 198.4 174.0 214.0
 56 147.8 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 36.706 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

Tgt Ion:107 Resp: 199076
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.8 29.6
 142 78.8 60.6 90.8

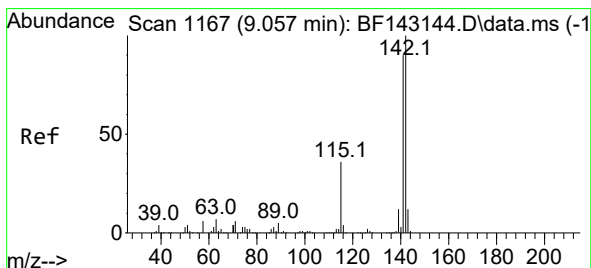
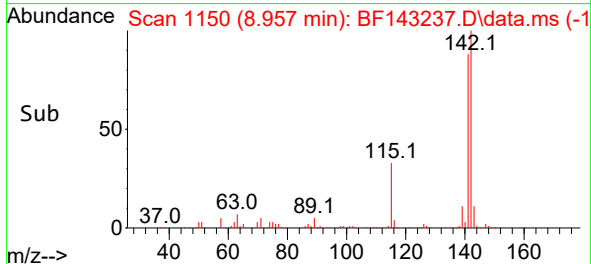
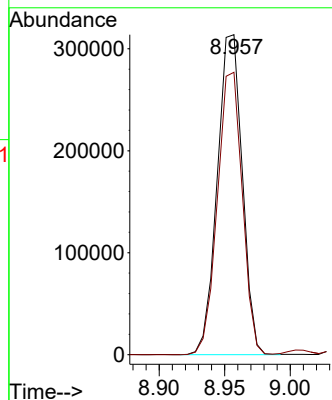
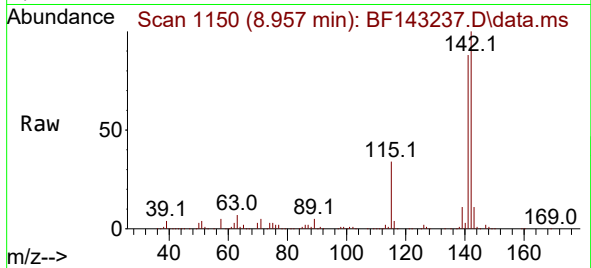




#37
2-Methylnaphthalene
Concen: 38.877 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

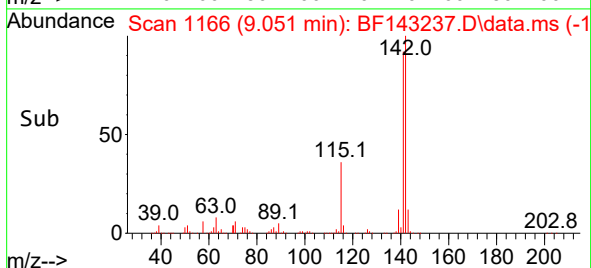
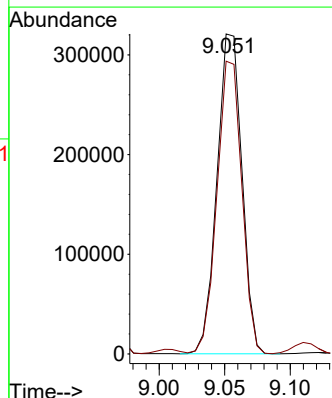
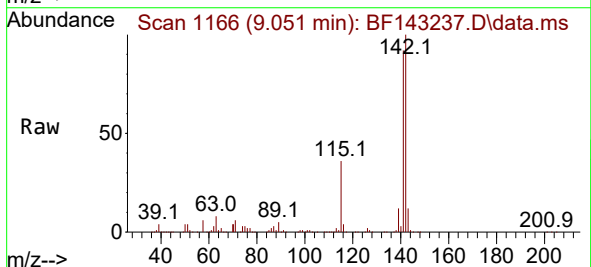
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

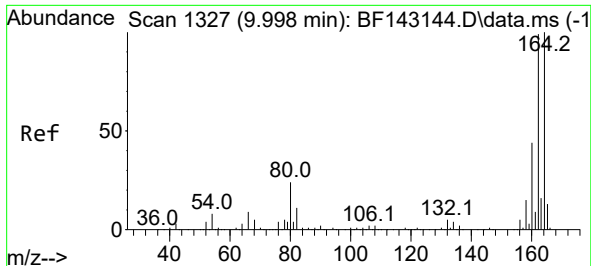
Tgt Ion:142 Resp: 416640
Ion Ratio Lower Upper
142 100
141 88.3 69.9 104.9



#38
1-Methylnaphthalene
Concen: 38.450 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:142 Resp: 424318
Ion Ratio Lower Upper
142 100
141 91.5 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

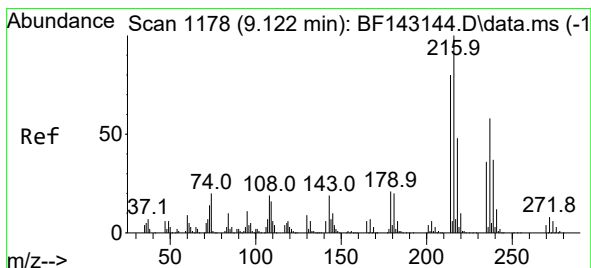
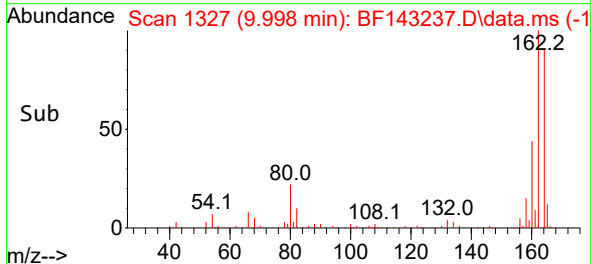
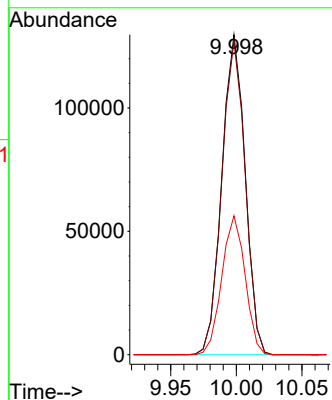
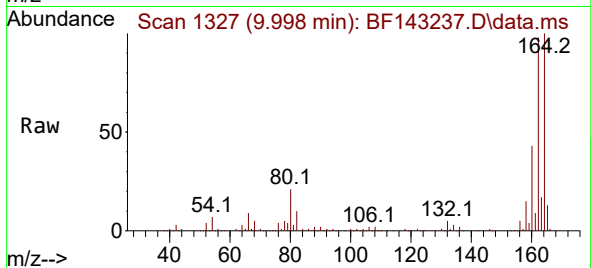
Tgt Ion:164 Resp: 160447

Ion Ratio Lower Upper

164 100

162 98.0 79.0 118.6

160 43.4 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.509 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Tgt Ion:216 Resp: 206178

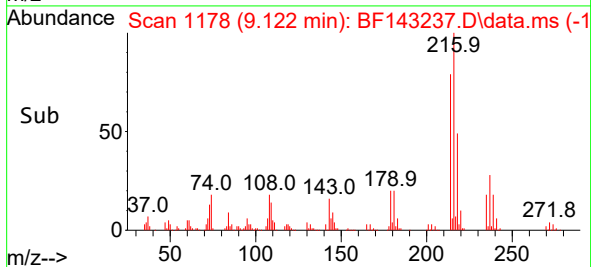
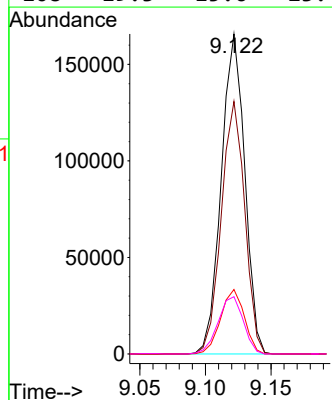
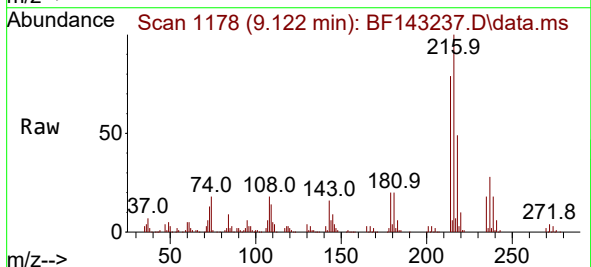
Ion Ratio Lower Upper

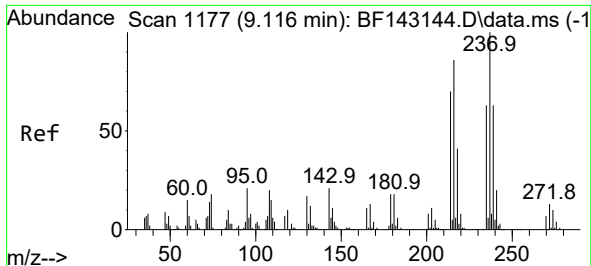
216 100

214 78.6 63.8 95.8

179 20.4 16.4 24.6

108 19.3 15.6 23.4

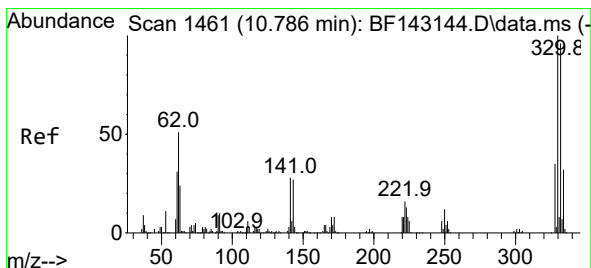
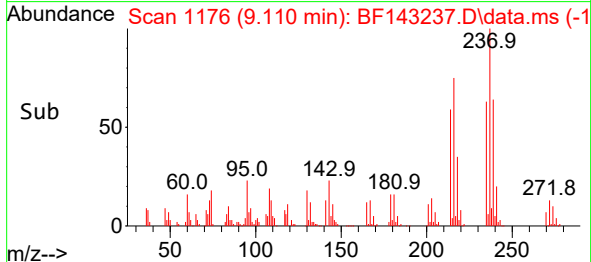
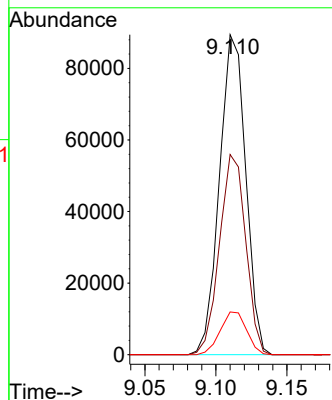
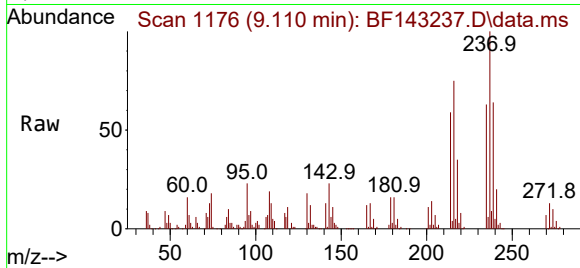




#41
Hexachlorocyclopentadiene
Concen: 38.199 ng
RT: 9.110 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

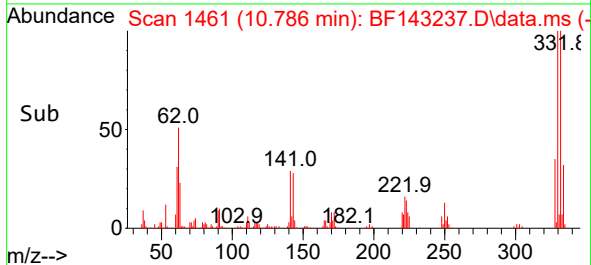
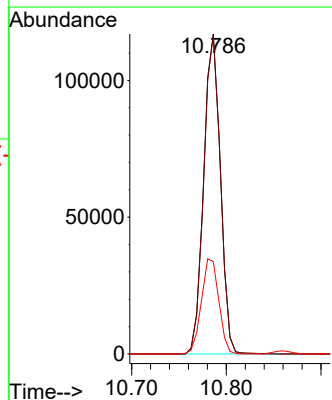
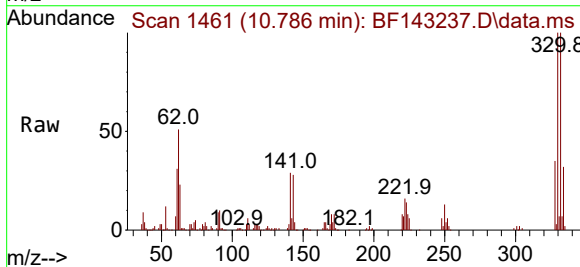
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

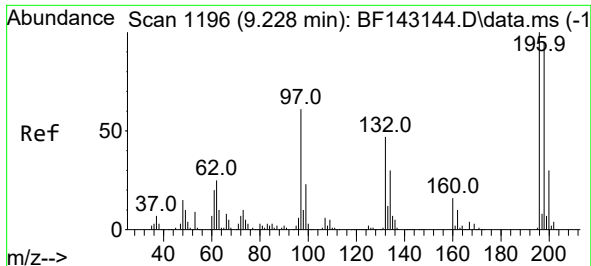
Tgt Ion:237 Resp: 115134
Ion Ratio Lower Upper
237 100
235 62.6 43.0 83.0
272 13.3 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 86.482 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

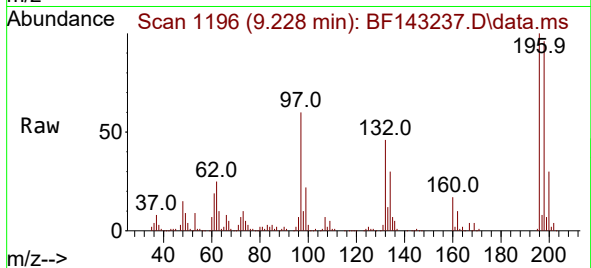
Tgt Ion:330 Resp: 143345
Ion Ratio Lower Upper
330 100
332 99.2 76.7 115.1
141 31.0 23.3 34.9



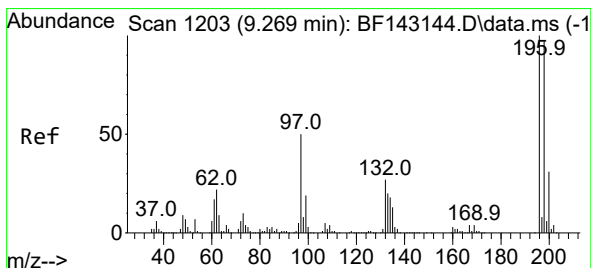
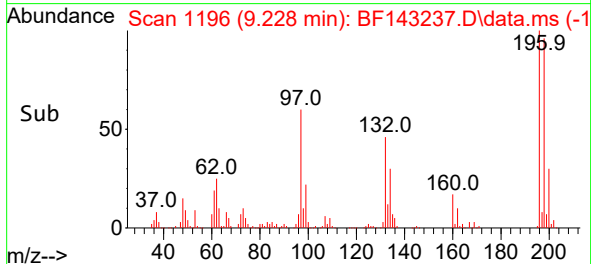
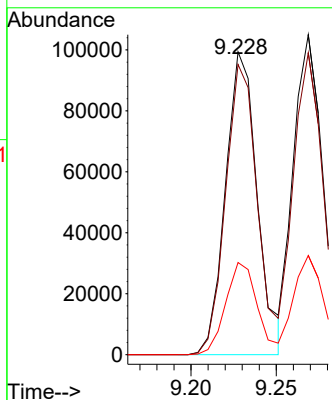


#43
2,4,6-Trichlorophenol
Concen: 40.129 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

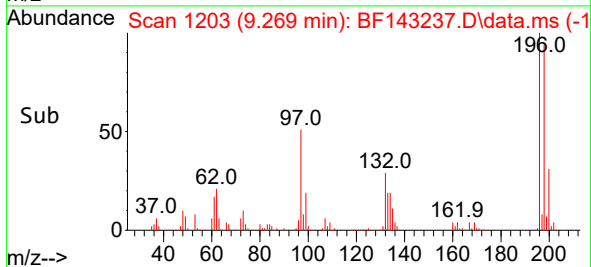
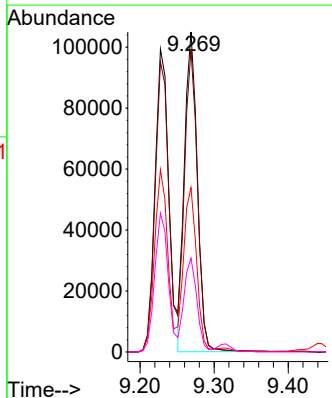
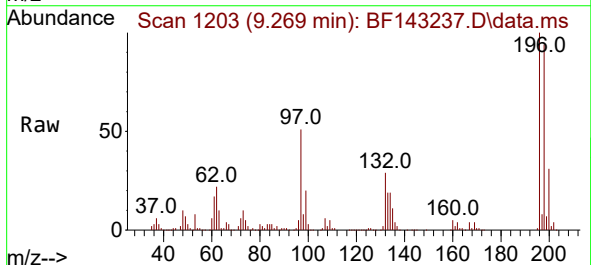


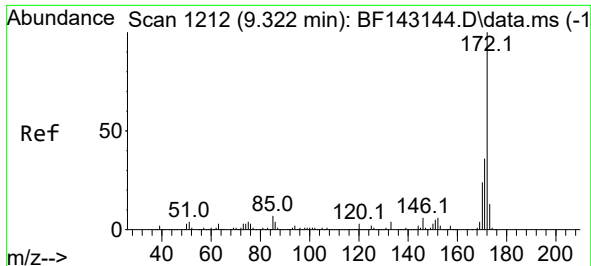
Tgt Ion:196 Resp: 128651
Ion Ratio Lower Upper
196 100
198 95.8 76.2 114.2
200 30.4 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 39.837 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:196 Resp: 127754
Ion Ratio Lower Upper
196 100
198 94.4 77.3 115.9
97 51.4 40.3 60.5
132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 59.264 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

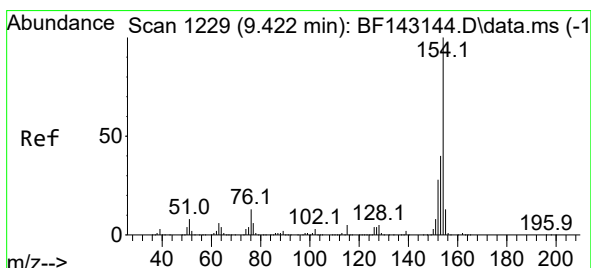
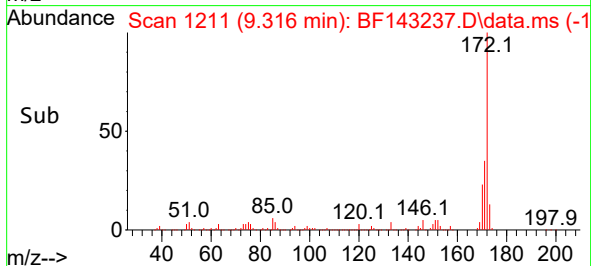
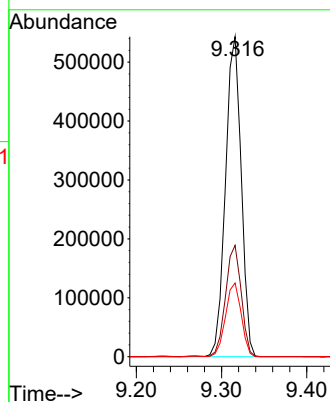
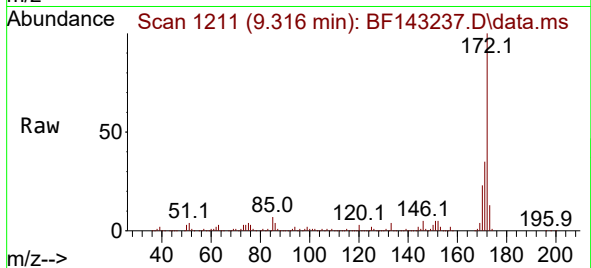
Tgt Ion:172 Resp: 695275

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.1 18.8 28.2



#46

1,1'-Biphenyl

Concen: 44.196 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

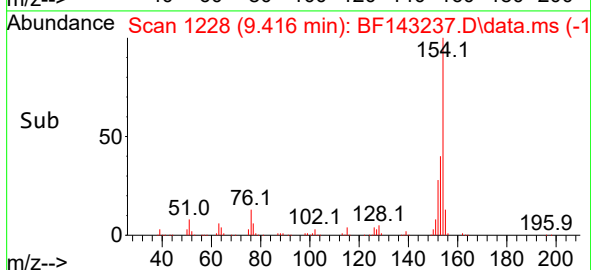
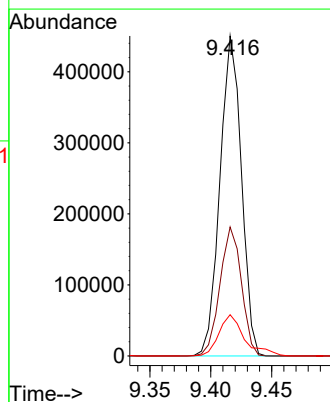
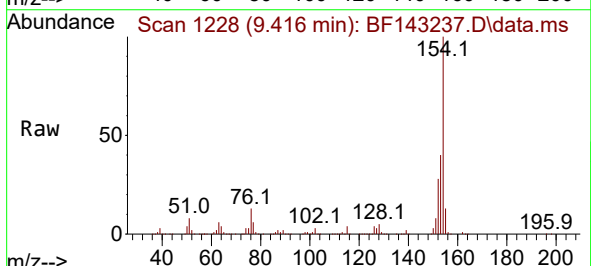
Tgt Ion:154 Resp: 553242

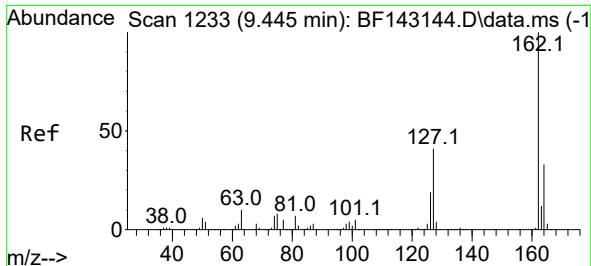
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 12.9 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.139 ng

RT: 9.445 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

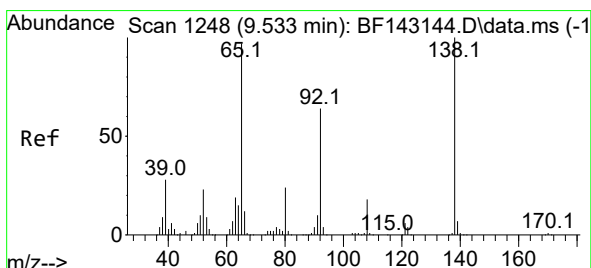
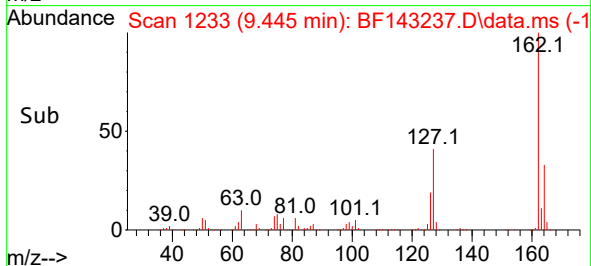
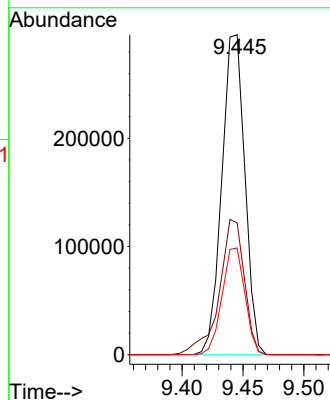
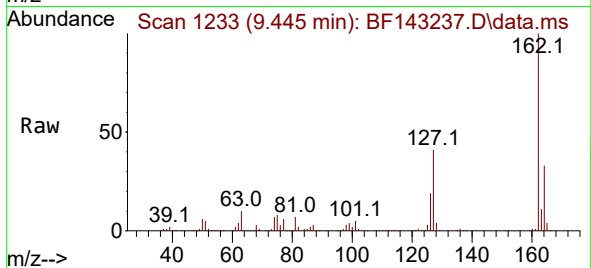
Tgt Ion:162 Resp: 390312

Ion Ratio Lower Upper

162 100

127 41.2 33.4 50.2

164 33.4 26.2 39.2



#48

2-Nitroaniline

Concen: 45.079 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

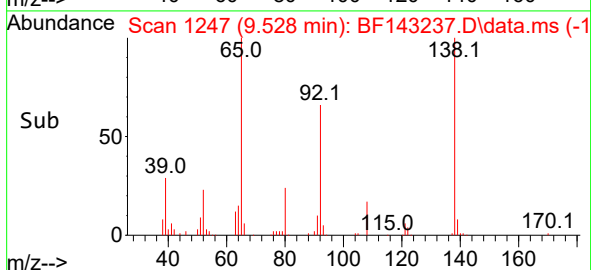
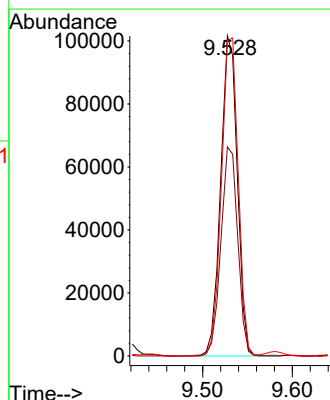
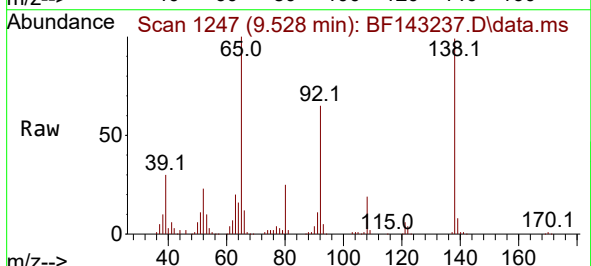
Tgt Ion: 65 Resp: 130940

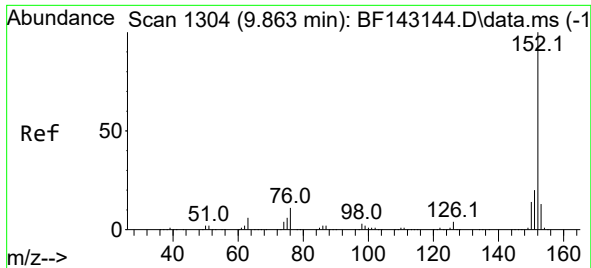
Ion Ratio Lower Upper

65 100

92 65.4 52.4 78.6

138 98.5 82.3 123.5

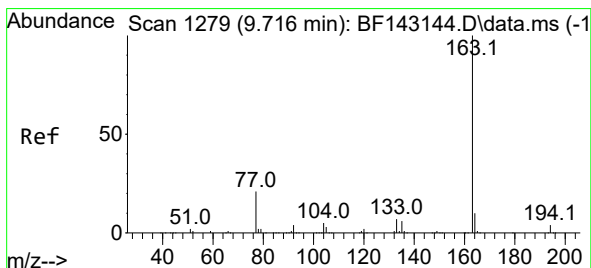
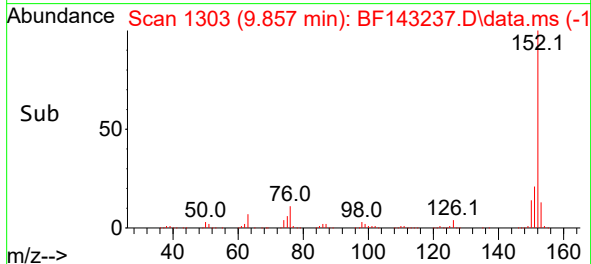
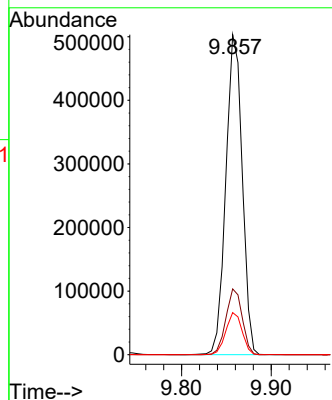
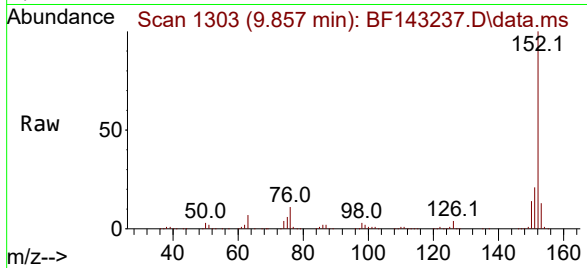




#49
Acenaphthylene
Concen: 41.181 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

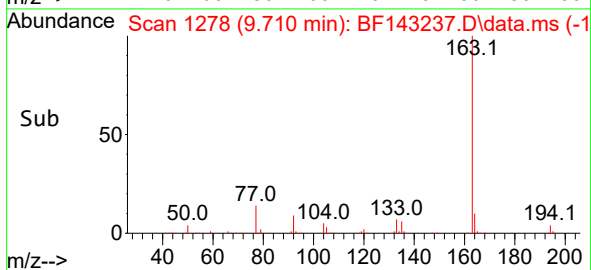
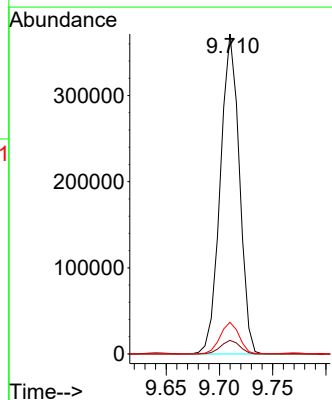
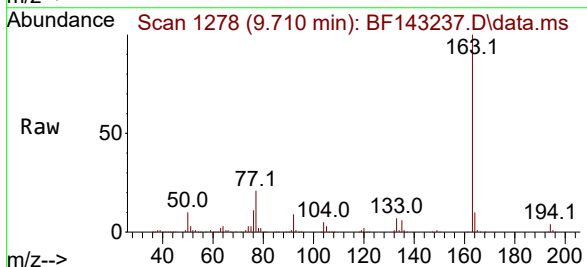
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

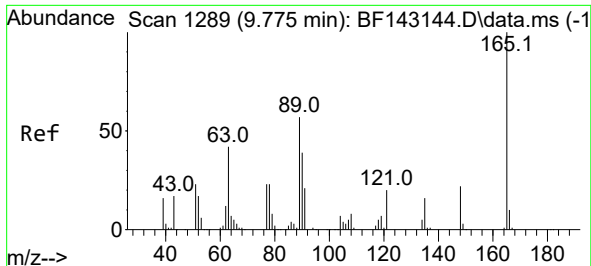
Tgt Ion:152 Resp: 639224
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 44.068 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:163 Resp: 460881
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 9.9 8.3 12.5

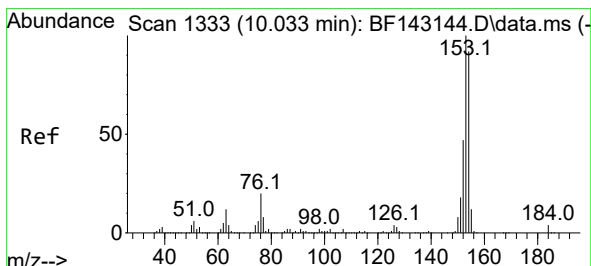
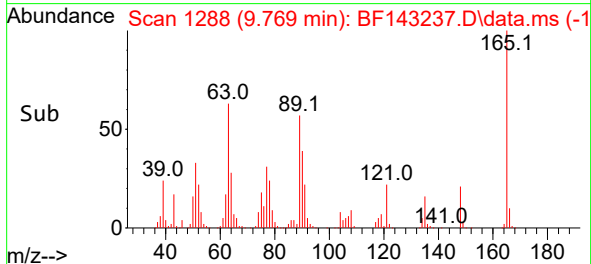
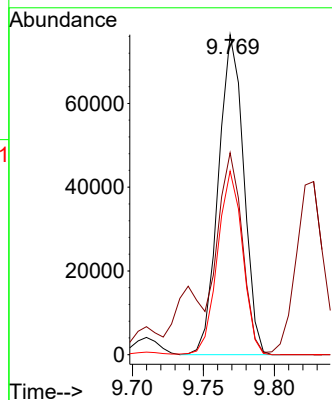
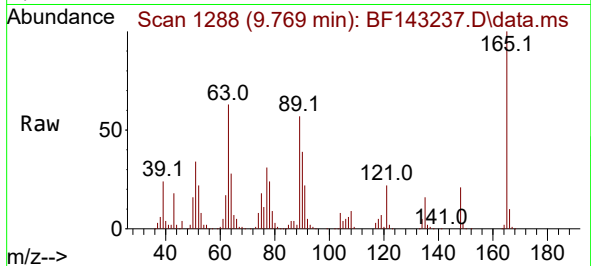




#51
2,6-Dinitrotoluene
Concen: 44.413 ng
RT: 9.769 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

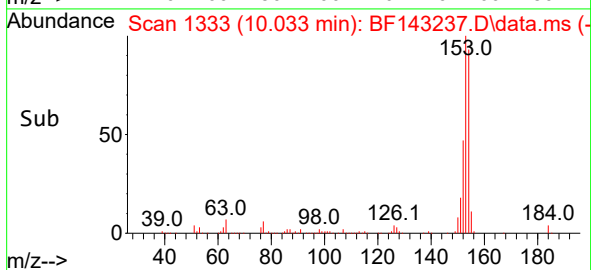
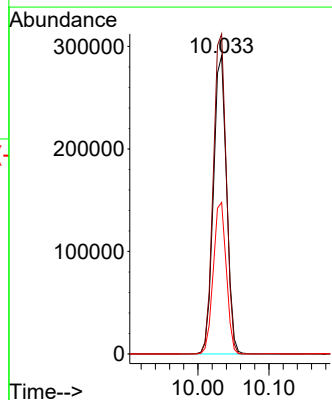
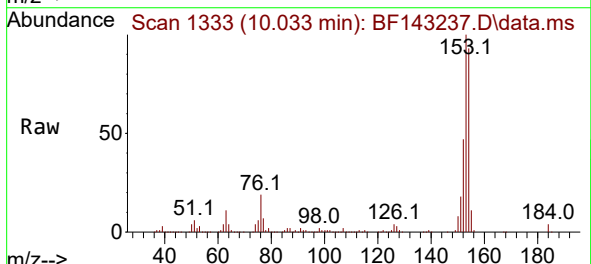
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

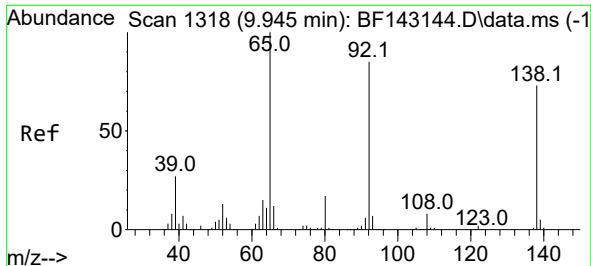
Tgt Ion:165 Resp: 94491
Ion Ratio Lower Upper
165 100
63 63.1 49.4 74.2
89 57.4 46.2 69.2



#52
Acenaphthene
Concen: 40.936 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:154 Resp: 375561
Ion Ratio Lower Upper
154 100
153 107.3 86.6 129.8
152 50.8 40.4 60.6

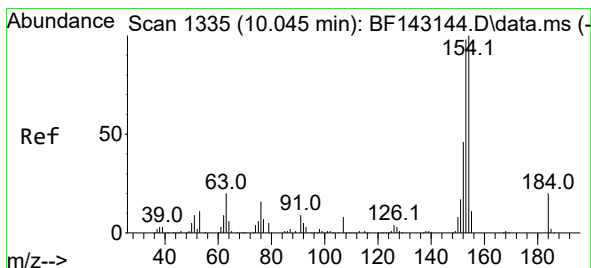
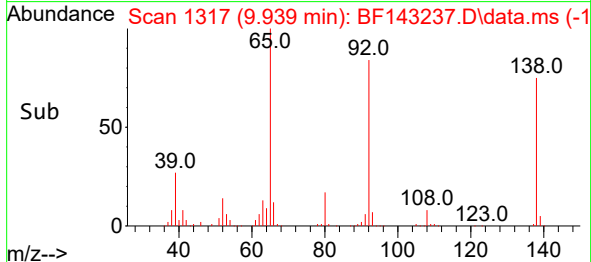
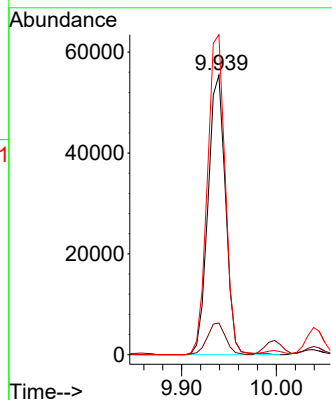
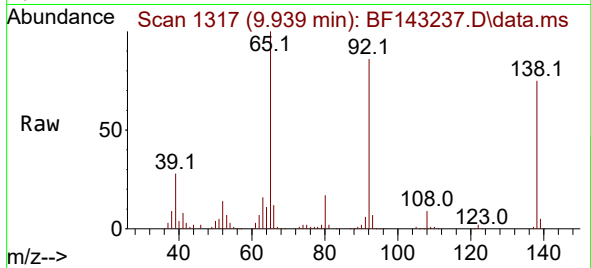




#53
3-Nitroaniline
Concen: 28.482 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

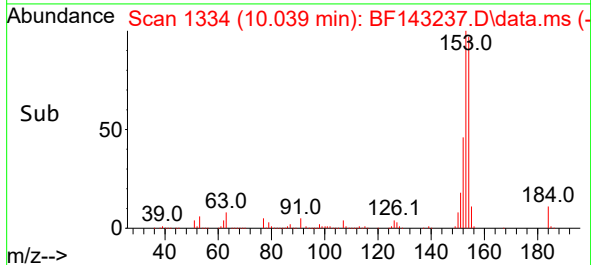
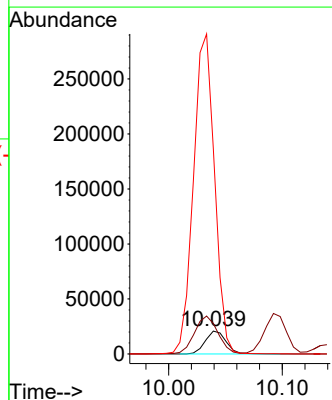
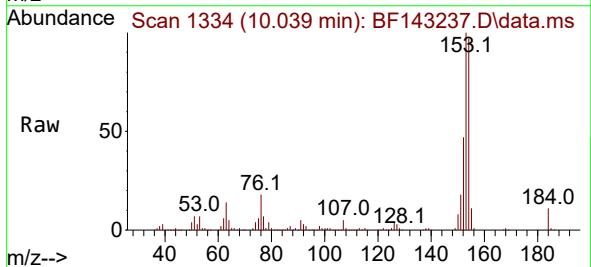
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

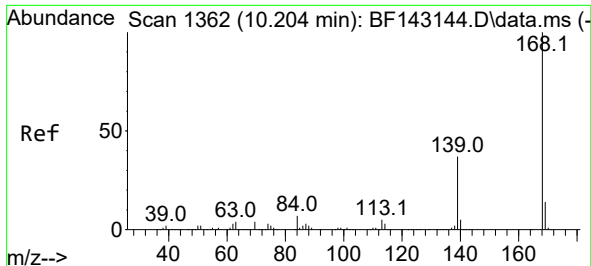
Tgt Ion:138 Resp: 70877
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.6
92 114.5 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 31.839 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:184 Resp: 26481
Ion Ratio Lower Upper
184 100
63 133.2 81.8 122.6#
154 899.6 412.2 618.4#

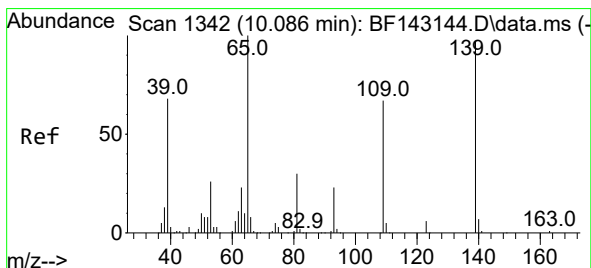
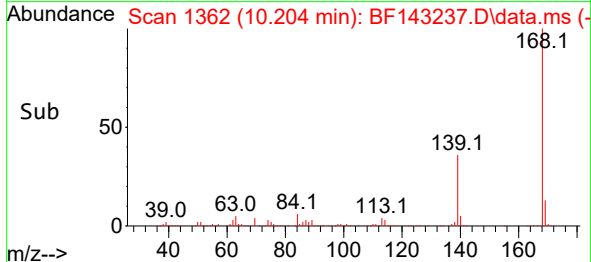
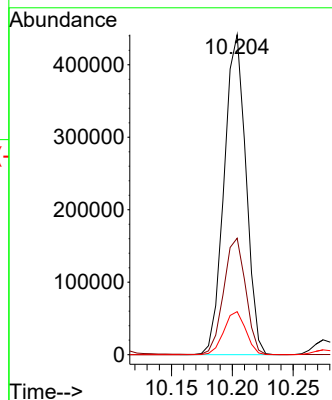
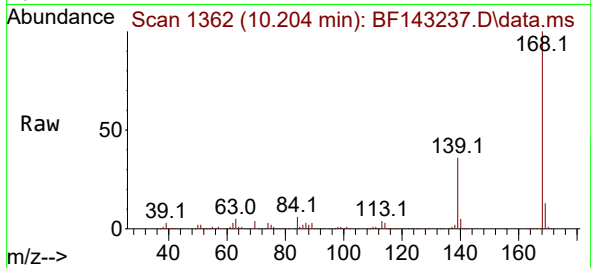




#55
Dibenzenofuran
Concen: 40.449 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

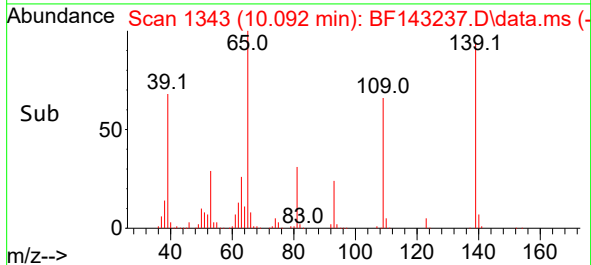
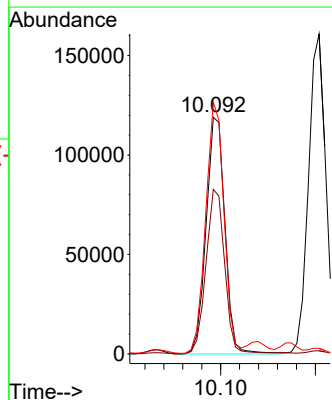
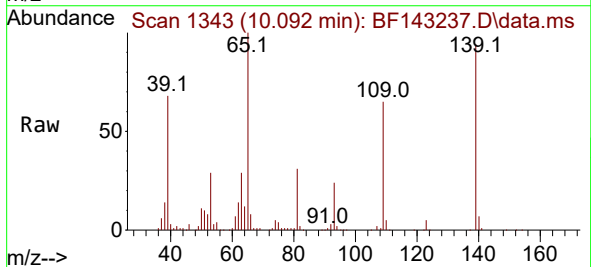
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

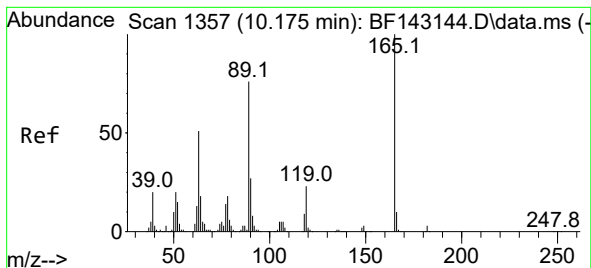
Tgt Ion:168 Resp: 550960
Ion Ratio Lower Upper
168 100
139 36.4 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 88.125 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:139 Resp: 163760
Ion Ratio Lower Upper
139 100
109 69.5 48.5 88.5
65 106.4 83.4 123.4

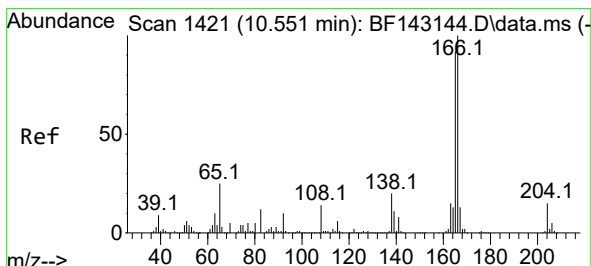
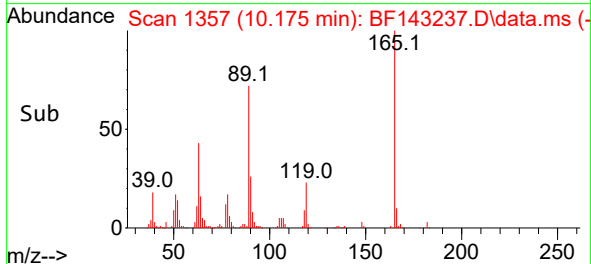
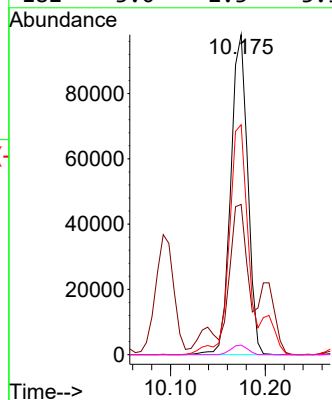
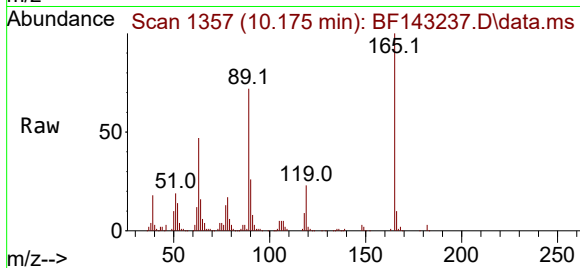




#57
2,4-Dinitrotoluene
Concen: 45.699 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

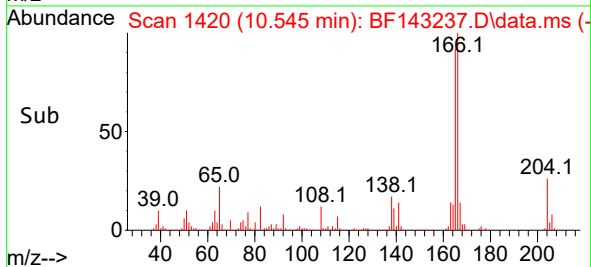
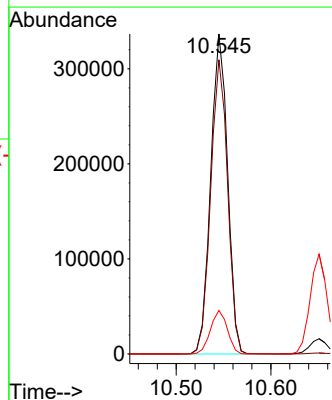
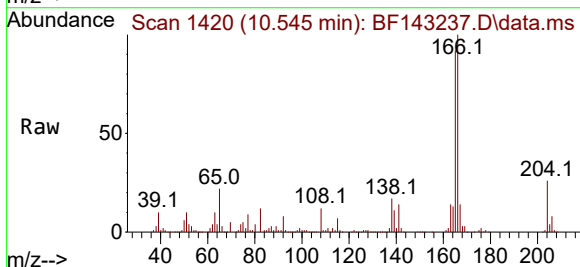
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

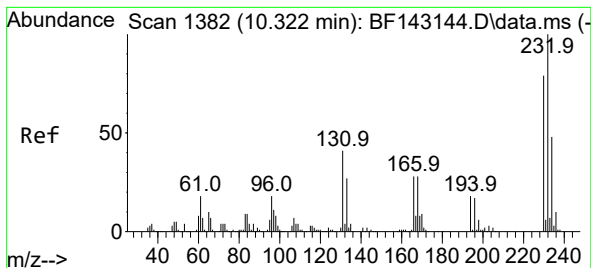
Tgt Ion:165 Resp: 121982
Ion Ratio Lower Upper
165 100
63 46.9 41.0 61.4
89 71.8 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 40.743 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:166 Resp: 416511
Ion Ratio Lower Upper
166 100
165 92.0 73.7 110.5
167 13.6 10.6 16.0

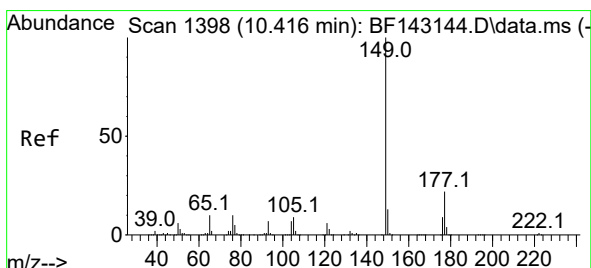
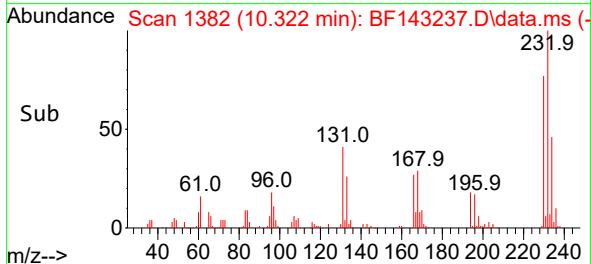
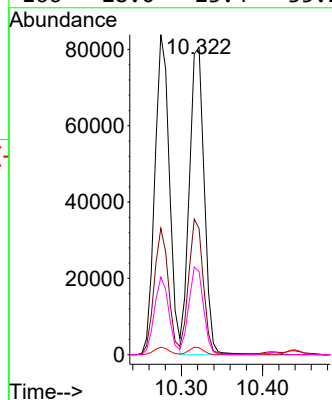
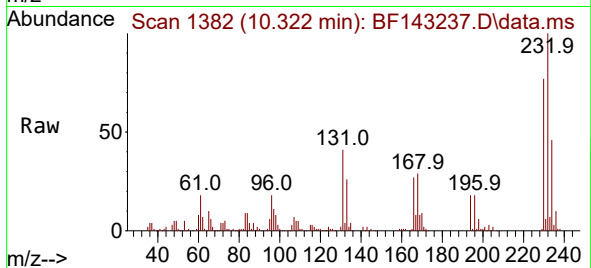




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.733 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

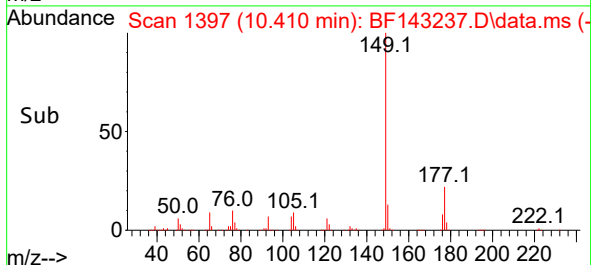
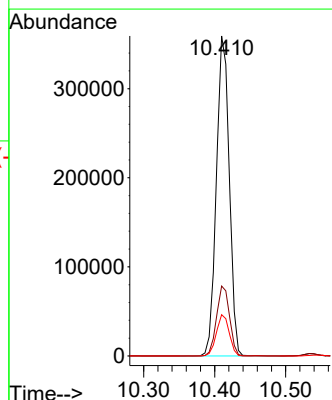
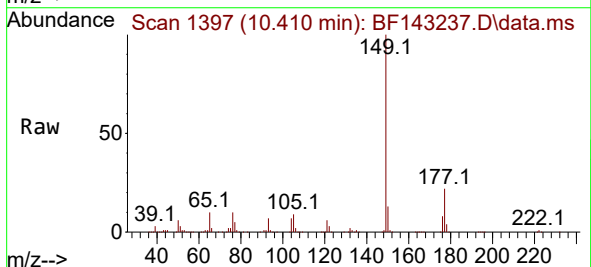
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

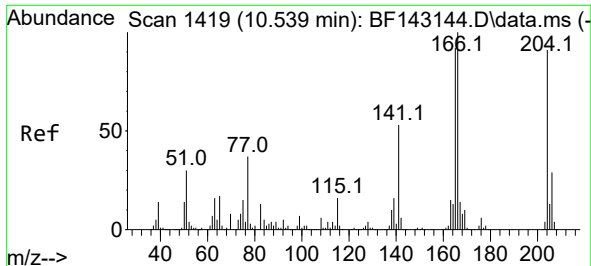
Tgt Ion:232 Resp: 102892
Ion Ratio Lower Upper
232 100
131 42.7 35.3 52.9
130 2.3 1.7 2.5
166 28.0 23.4 35.2



#60
Diethylphthalate
Concen: 43.665 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:149 Resp: 451365
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.9 10.2 15.2

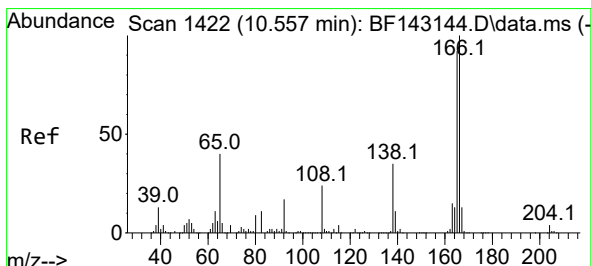
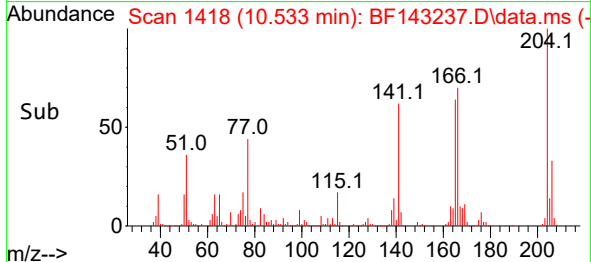
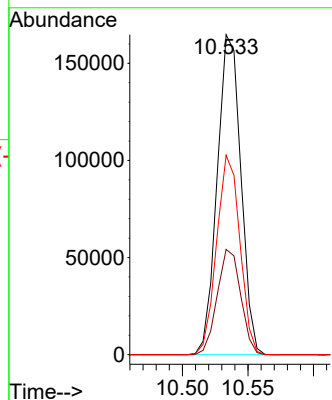
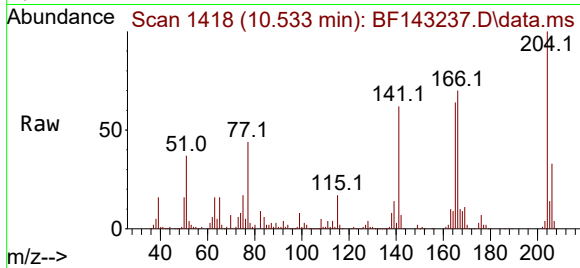




#61
4-Chlorophenyl-phenylether
Concen: 40.564 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

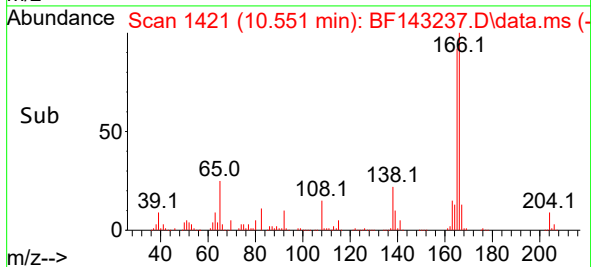
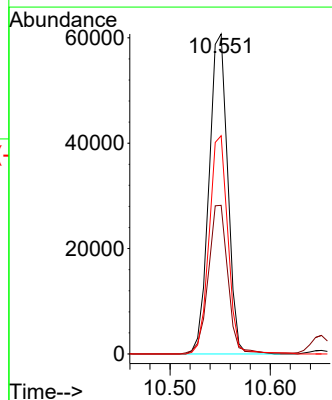
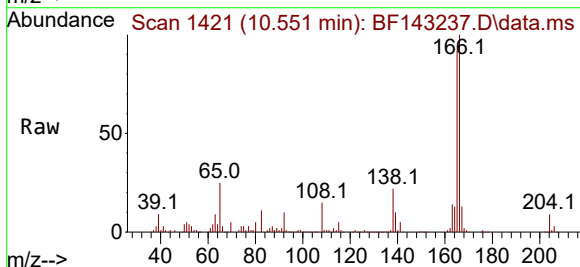
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

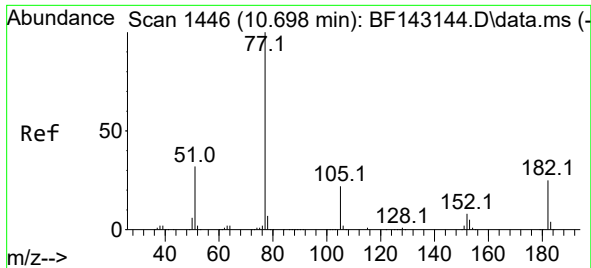
Tgt Ion:204 Resp: 206490
Ion Ratio Lower Upper
204 100
206 32.9 25.8 38.8
141 62.3 47.0 70.4



#62
4-Nitroaniline
Concen: 36.958 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:138 Resp: 78823
Ion Ratio Lower Upper
138 100
92 46.4 29.3 69.3
108 68.2 48.3 88.3

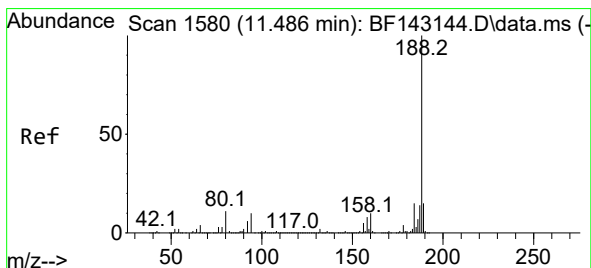
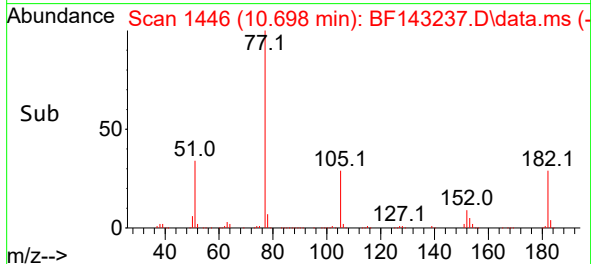
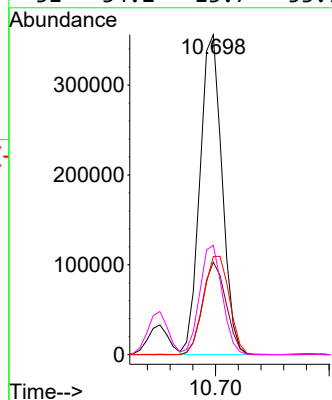
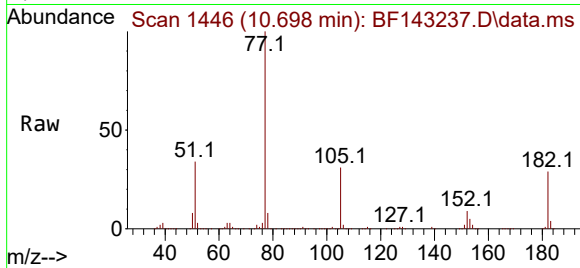




#63
Azobenzene
Concen: 44.692 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

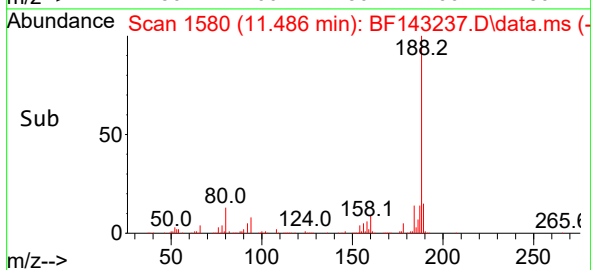
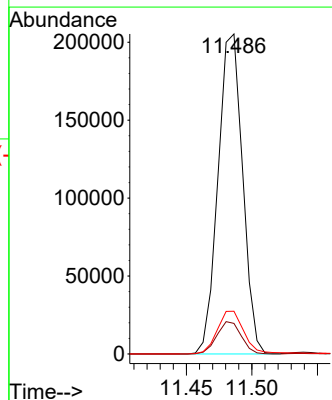
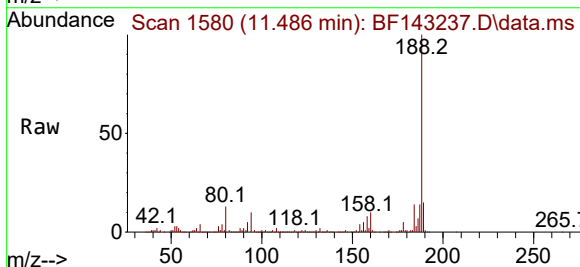
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

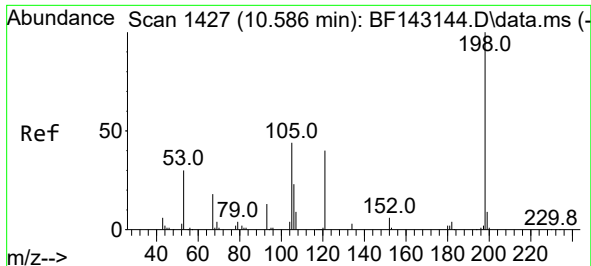
Tgt Ion: 77	Resp: 481490
Ion Ratio	Lower Upper
77 100	
182 28.9	4.6 44.6
105 30.7	1.4 41.4
51 34.2	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:188	Resp: 267401
Ion Ratio	Lower Upper
188 100	
94 9.5	8.3 12.5
80 13.3	9.0 13.6

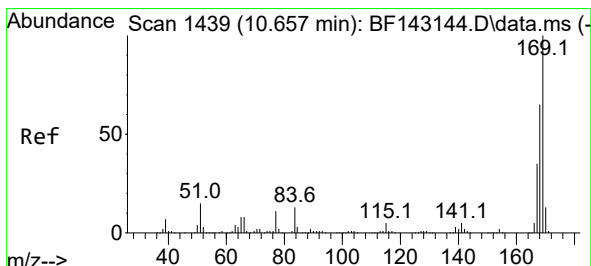
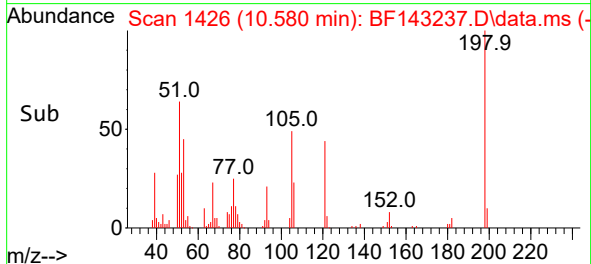
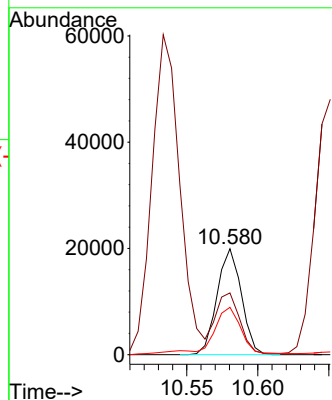
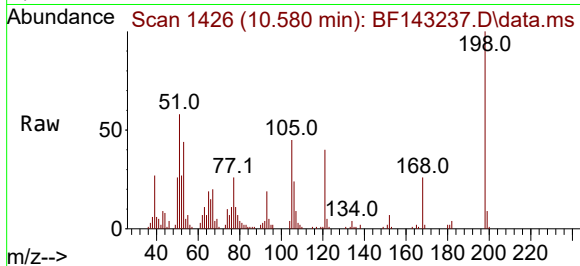




#65
4,6-Dinitro-2-methylphenol
Concen: 20.445 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

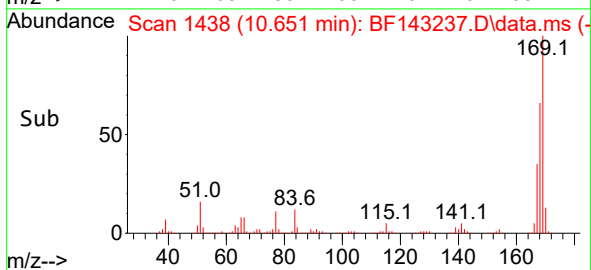
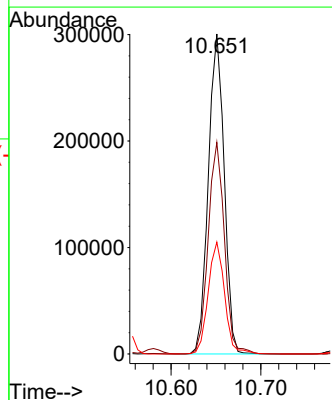
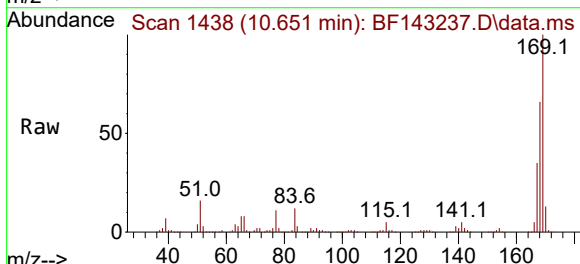
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

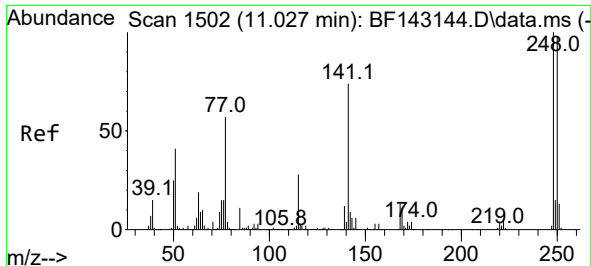
Tgt Ion:198 Resp: 23751
Ion Ratio Lower Upper
198 100
51 58.4 37.2 77.2
105 44.7 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 39.205 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:169 Resp: 369152
Ion Ratio Lower Upper
169 100
168 66.1 52.1 78.1
167 35.0 28.2 42.2

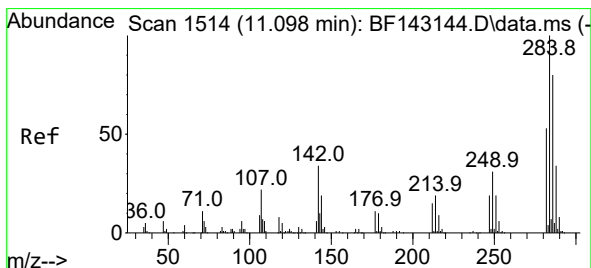
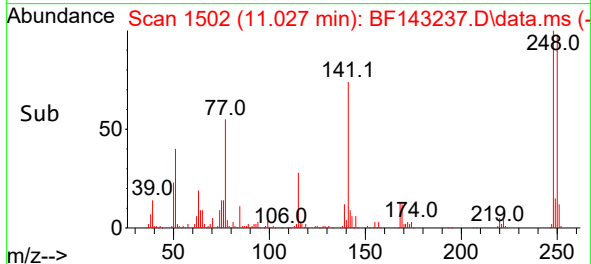
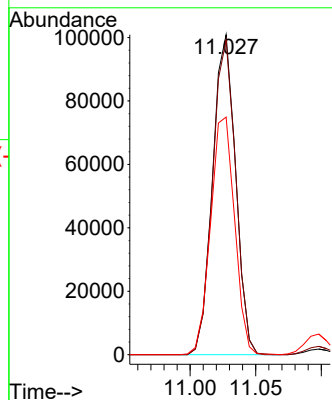
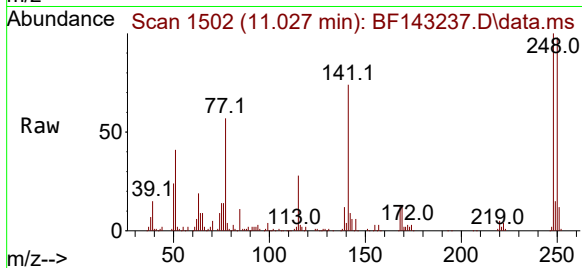




#67
4-Bromophenyl-phenylether
Concen: 38.675 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

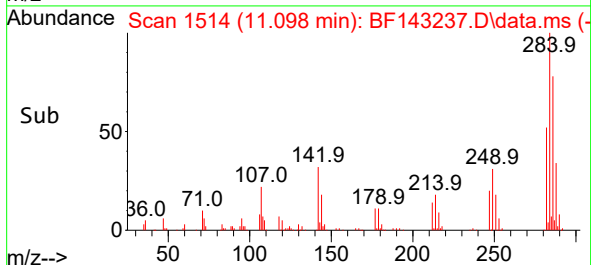
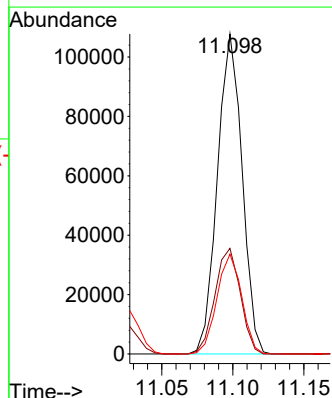
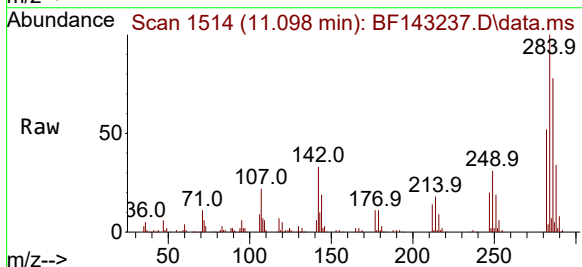
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

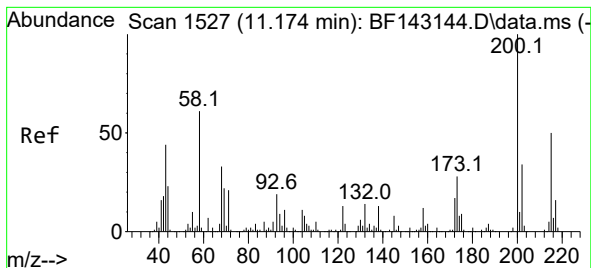
Tgt Ion:248 Resp: 123247
Ion Ratio Lower Upper
248 100
250 98.3 78.3 117.5
141 74.2 59.2 88.8



#68
Hexachlorobenzene
Concen: 39.106 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:284 Resp: 130254
Ion Ratio Lower Upper
284 100
142 33.0 27.0 40.6
249 31.2 25.0 37.6





#69

Atrazine

Concen: 45.911 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

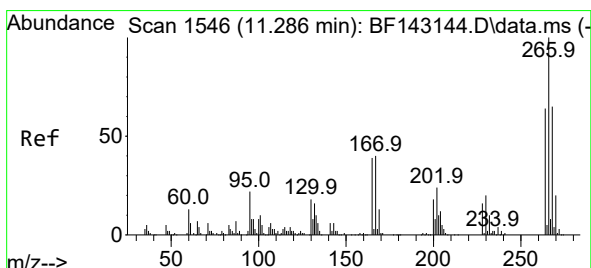
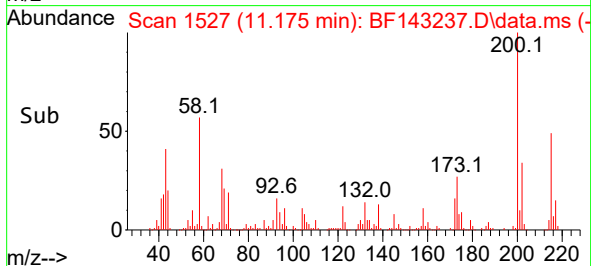
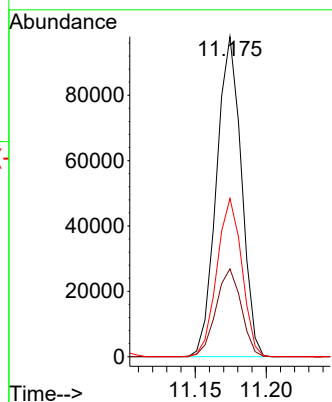
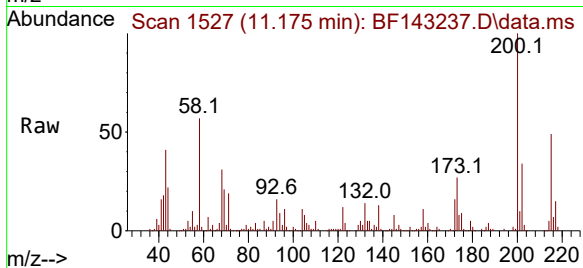
Tgt Ion:200 Resp: 119180

Ion Ratio Lower Upper

200 100

173 27.5 7.9 47.9

215 49.4 30.1 70.1



#70

Pentachlorophenol

Concen: 85.032 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

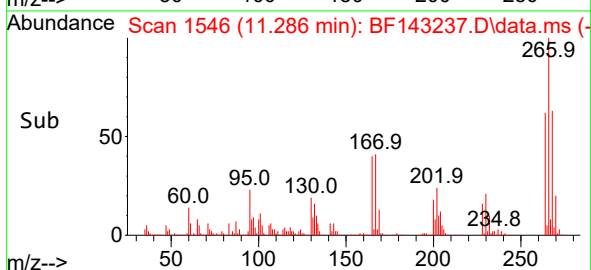
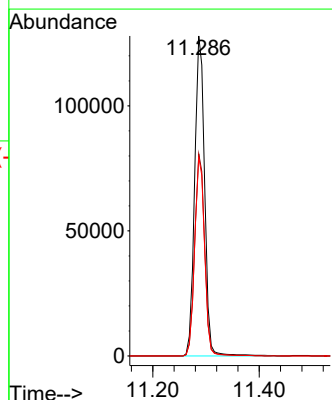
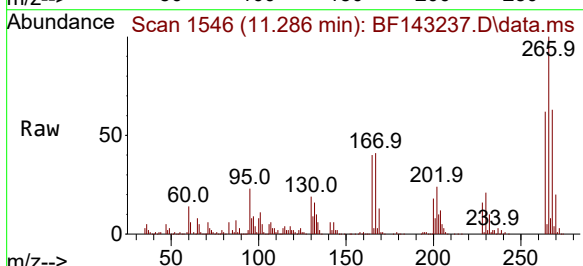
Tgt Ion:266 Resp: 166558

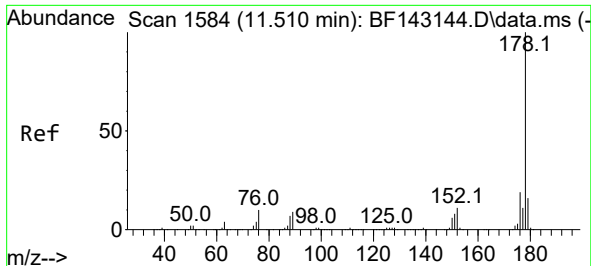
Ion Ratio Lower Upper

266 100

268 63.2 51.9 77.9

264 62.1 51.0 76.6

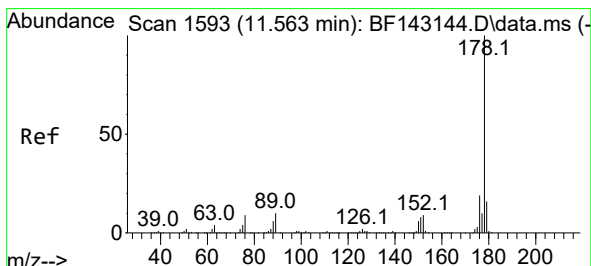
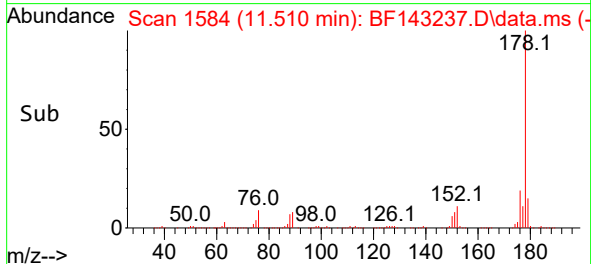
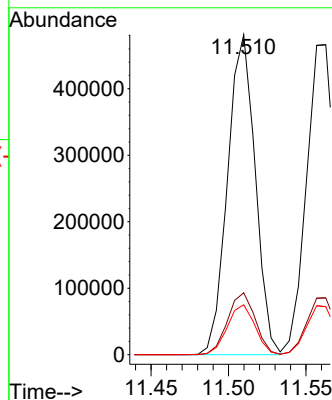
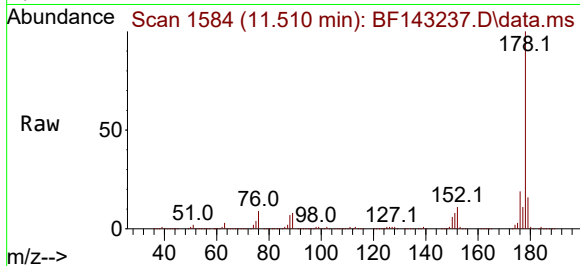




#71
Phenanthrene
Concen: 42.070 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

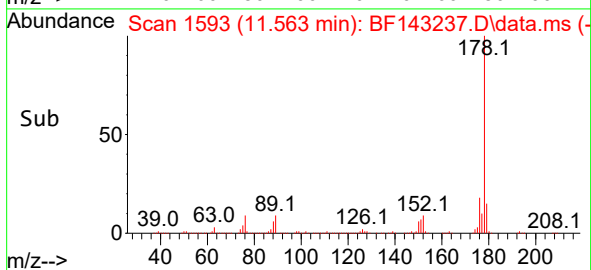
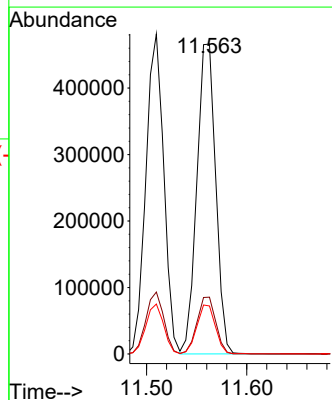
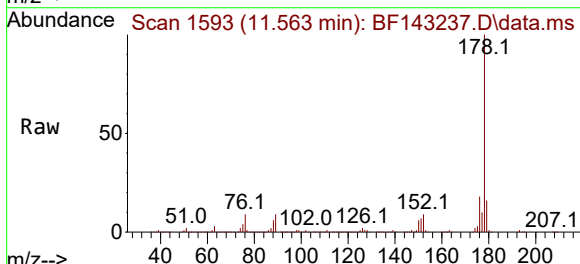
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

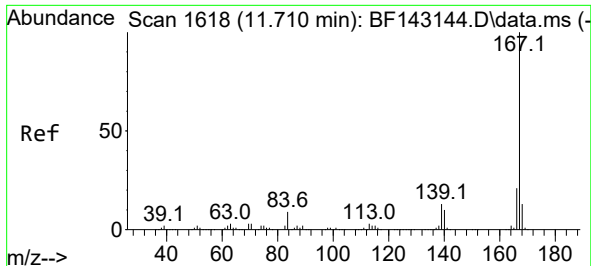
Tgt Ion:178 Resp: 597323
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 42.181 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:178 Resp: 610800
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.5 12.5 18.7

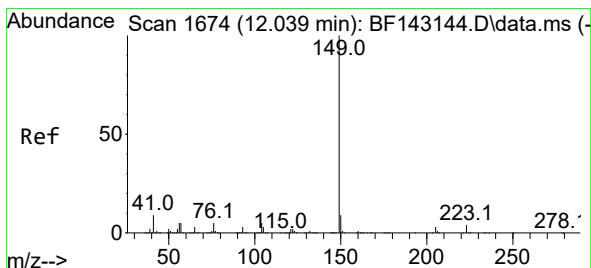
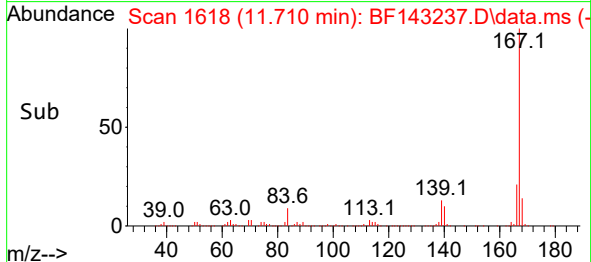
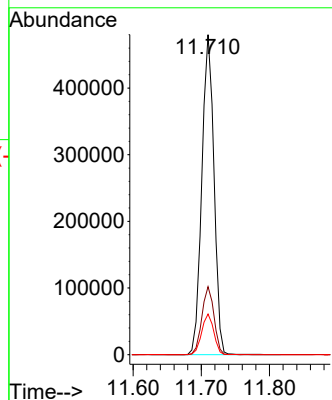
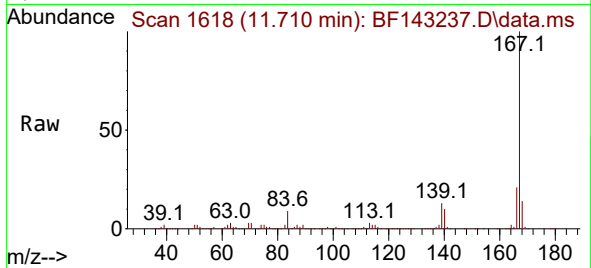




#73
 Carbazole
 Concen: 47.031 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

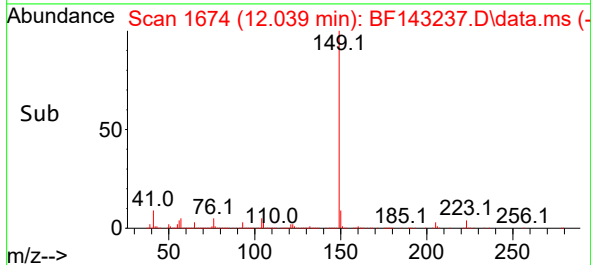
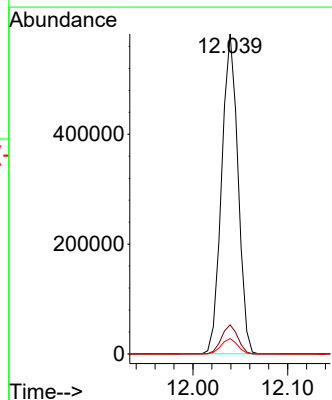
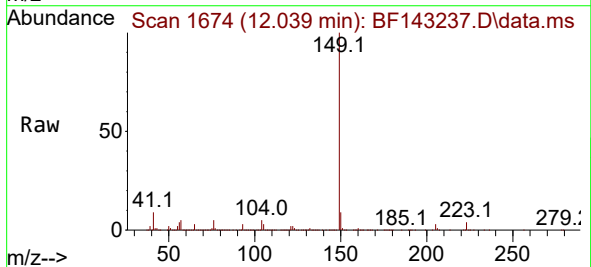
Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

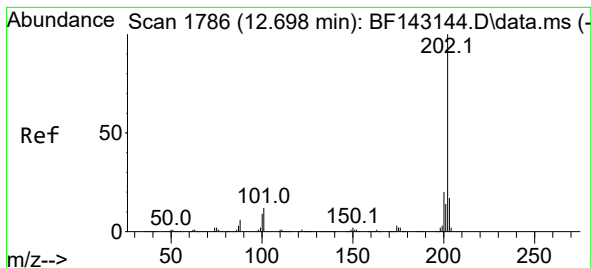
Tgt Ion:167 Resp: 594672
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.7 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 48.774 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

Tgt Ion:149 Resp: 697807
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 54.844 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

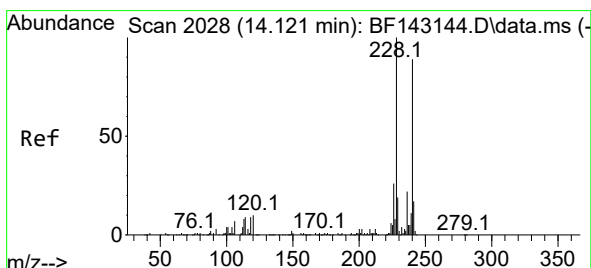
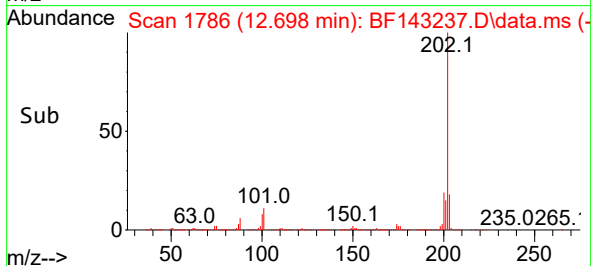
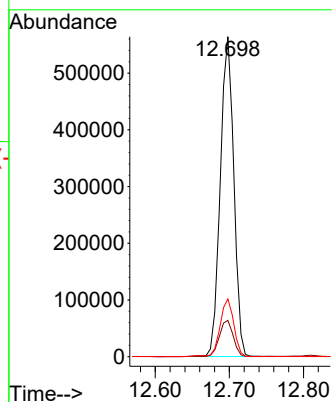
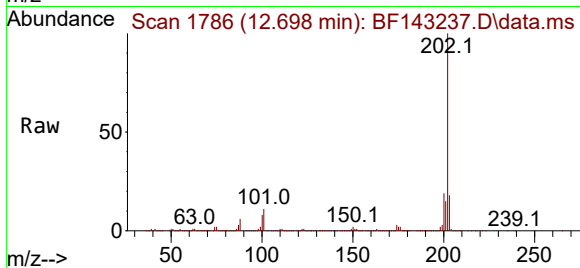
Tgt Ion:202 Resp: 714734

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.7

203 18.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

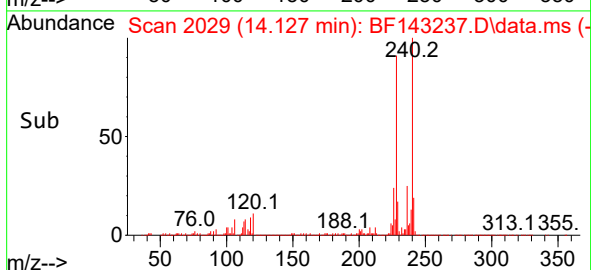
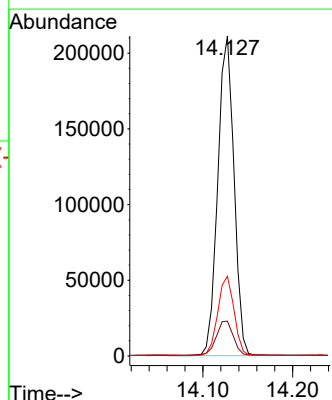
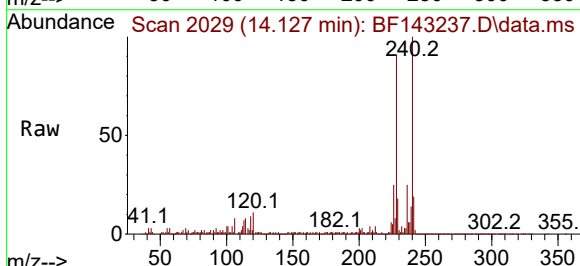
Tgt Ion:240 Resp: 264998

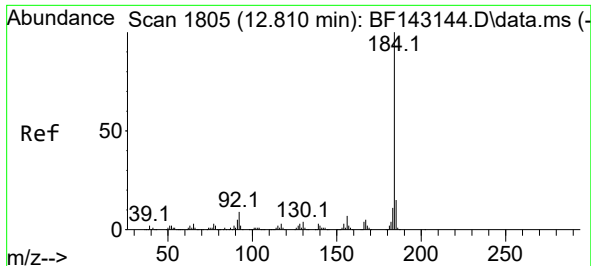
Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 24.9 20.2 30.4

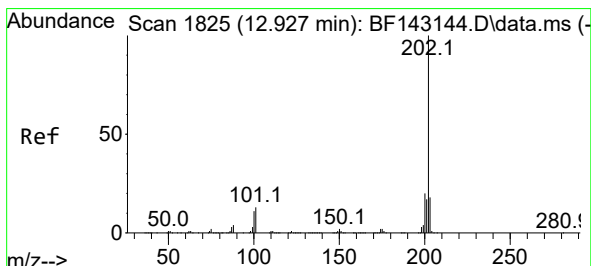
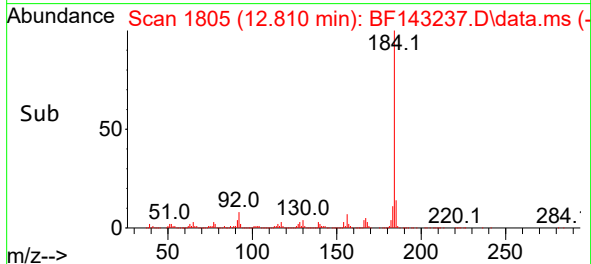
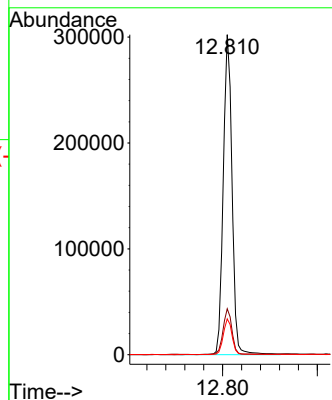
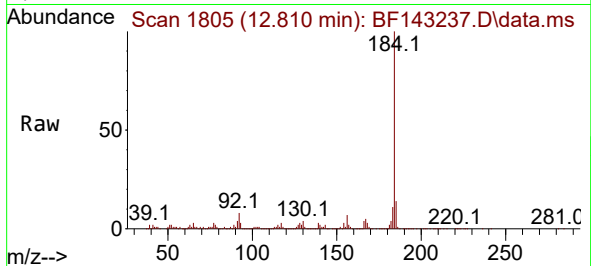




#77
Benzidine
Concen: 38.064 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

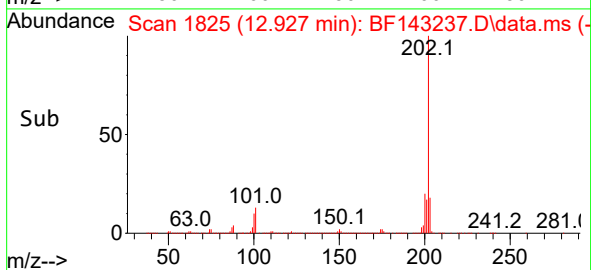
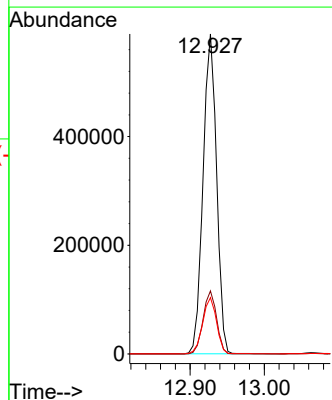
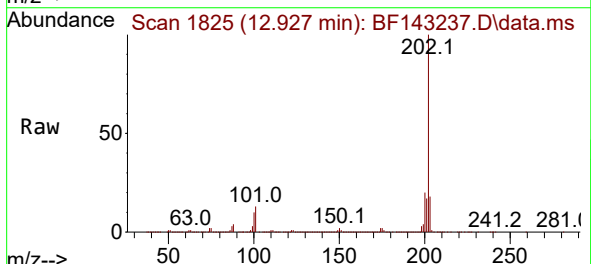
Instrument :
BNA_F
ClientSampleId :
TP-1MSD

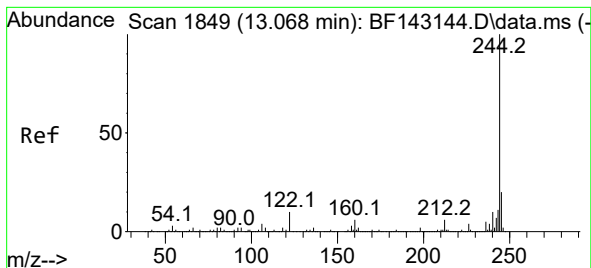
Tgt Ion:184 Resp: 388621
Ion Ratio Lower Upper
184 100
185 14.3 12.2 18.4
183 11.2 9.0 13.4



#78
Pyrene
Concen: 33.006 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143237.D
Acq: 24 Jul 2025 16:57

Tgt Ion:202 Resp: 746471
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 40.654 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

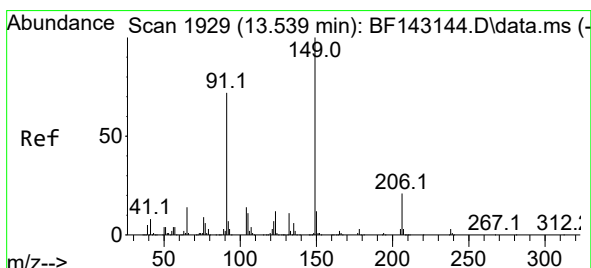
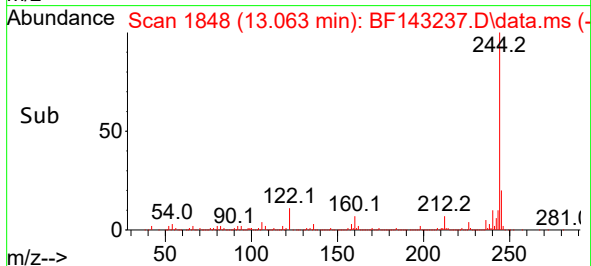
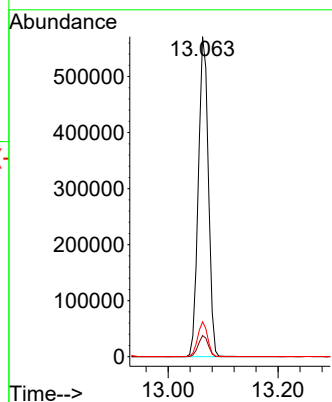
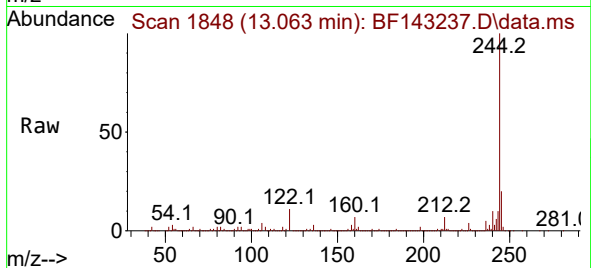
Tgt Ion:244 Resp: 723948

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 46.800 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

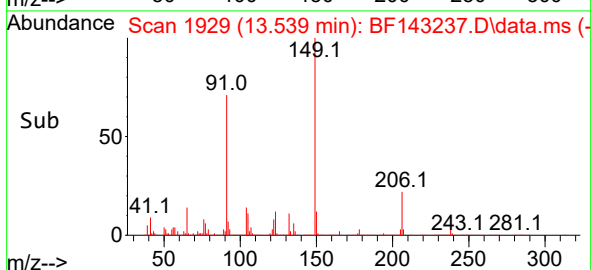
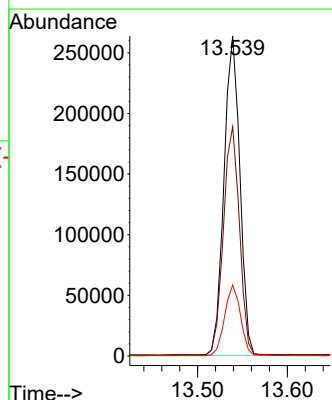
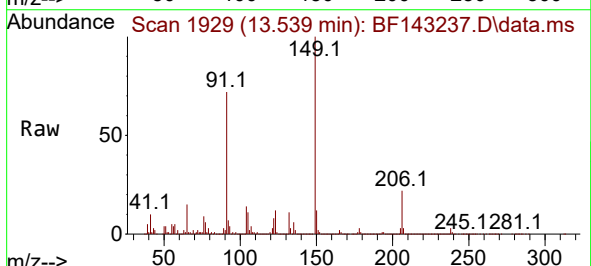
Tgt Ion:149 Resp: 324106

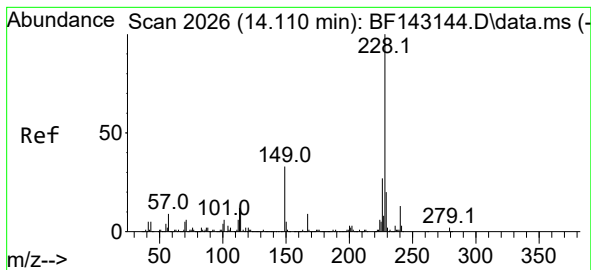
Ion Ratio Lower Upper

149 100

91 71.6 57.9 86.9

206 22.1 17.0 25.4





#81

Benzo(a)anthracene

Concen: 41.888 ng

RT: 14.115 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

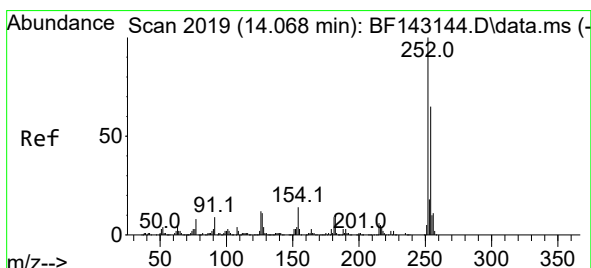
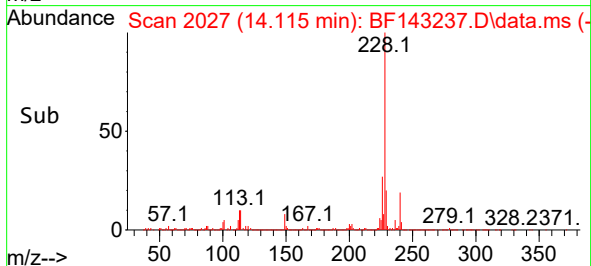
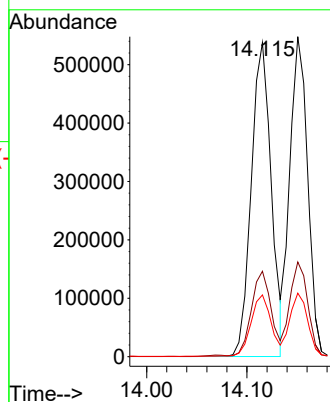
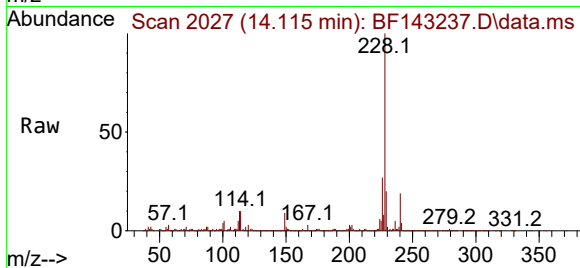
Tgt Ion:228 Resp: 743164

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 19.6 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 28.145 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

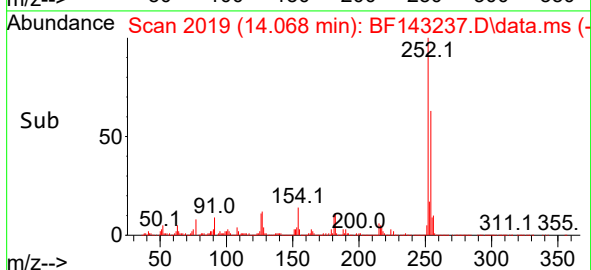
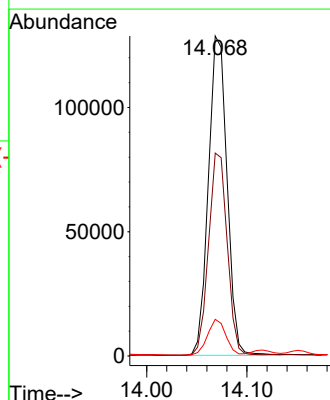
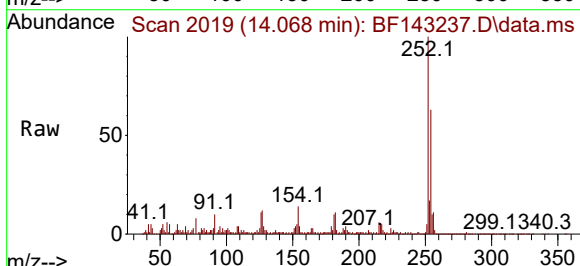
Tgt Ion:252 Resp: 166422

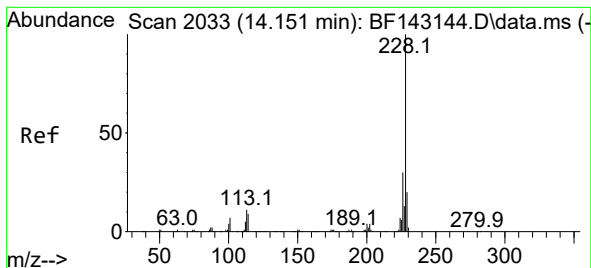
Ion Ratio Lower Upper

252 100

254 63.4 51.7 77.5

126 11.4 9.4 14.0





#83

Chrysene

Concen: 42.370 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

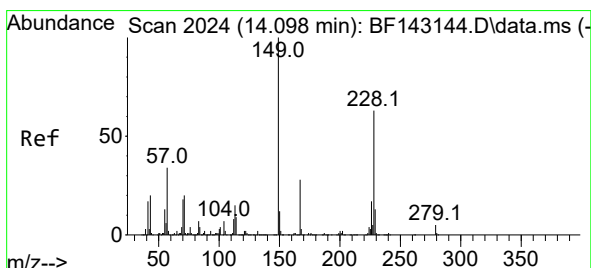
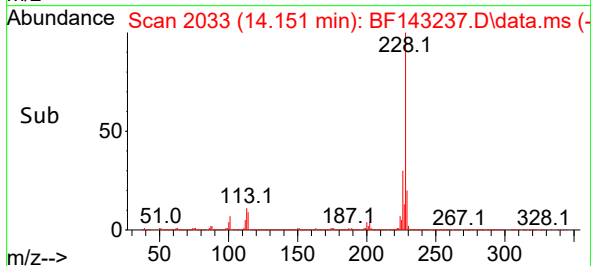
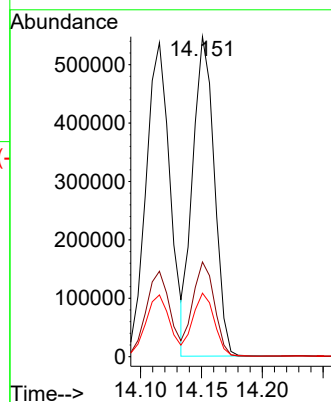
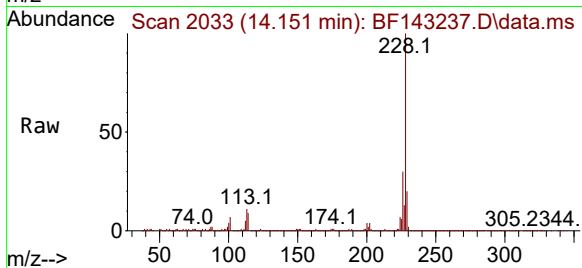
Tgt Ion:228 Resp: 675867

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.560 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

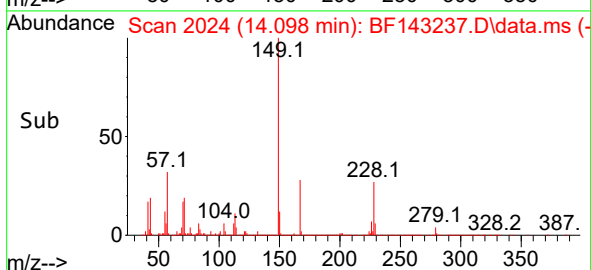
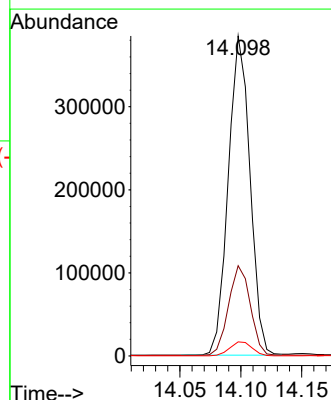
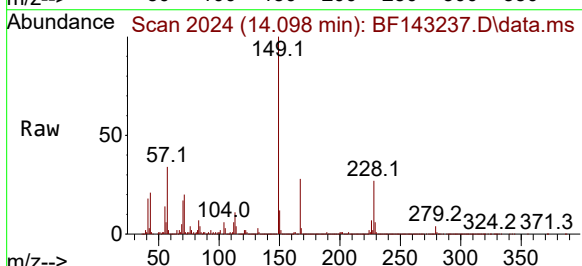
Tgt Ion:149 Resp: 477569

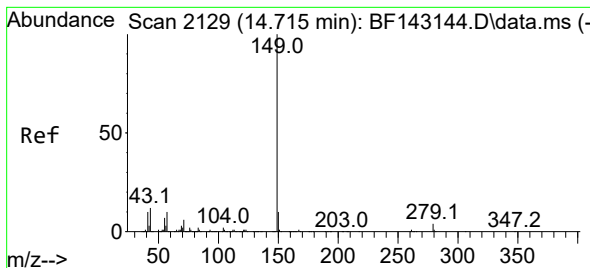
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 44.171 ng

RT: 14.715 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

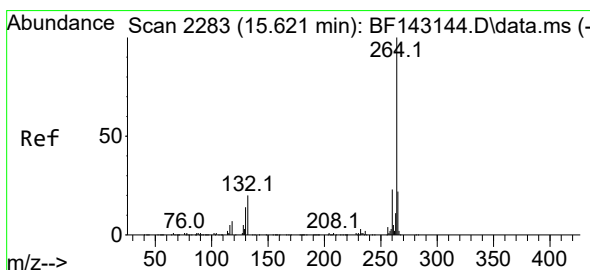
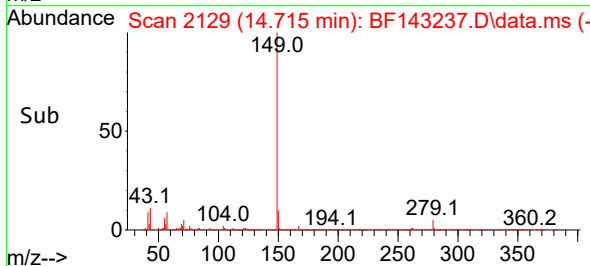
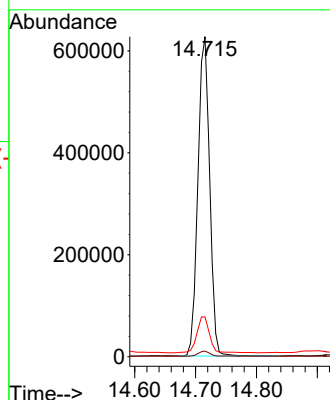
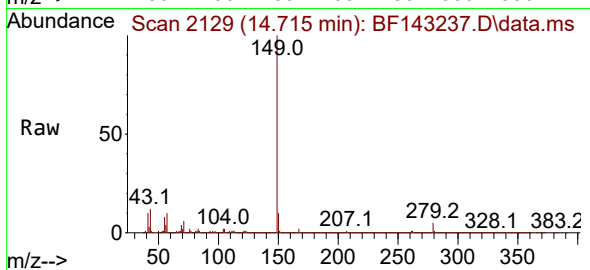
Tgt Ion:149 Resp: 839267

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.2 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

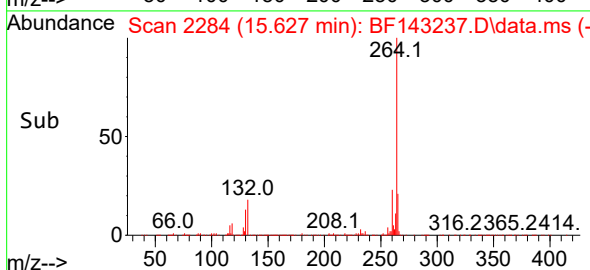
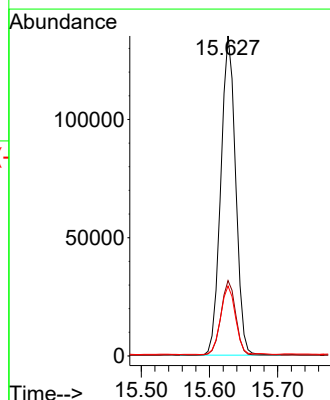
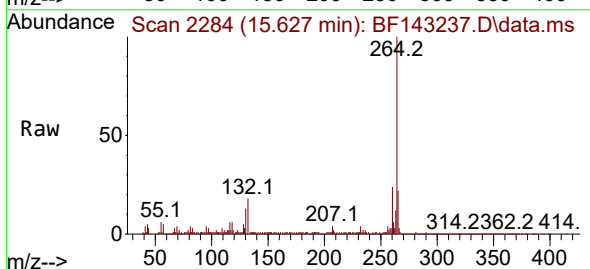
Tgt Ion:264 Resp: 204763

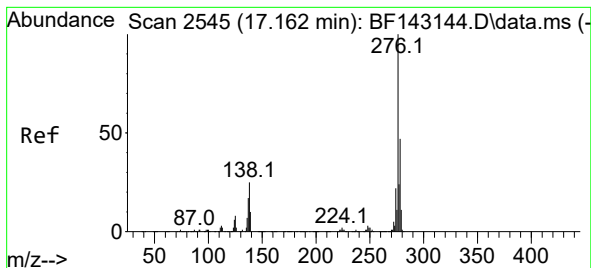
Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 29.367 ng

RT: 17.162 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

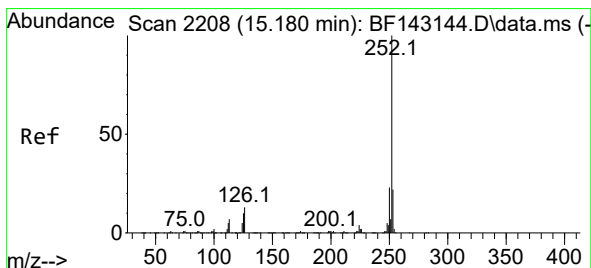
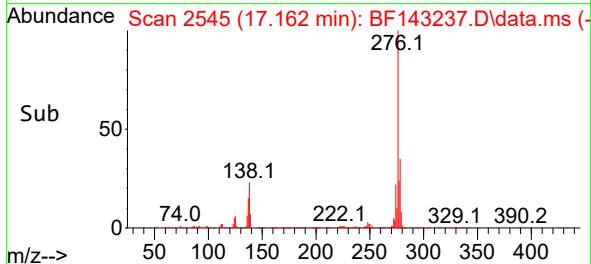
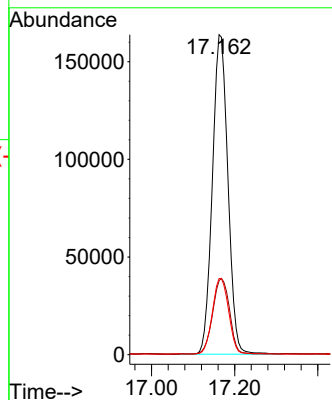
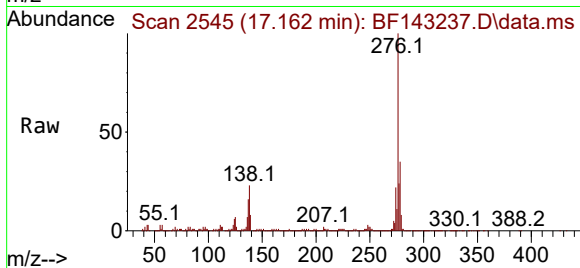
Tgt Ion:276 Resp: 424011

Ion Ratio Lower Upper

276 100

138 25.5 21.8 32.6

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 48.718 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

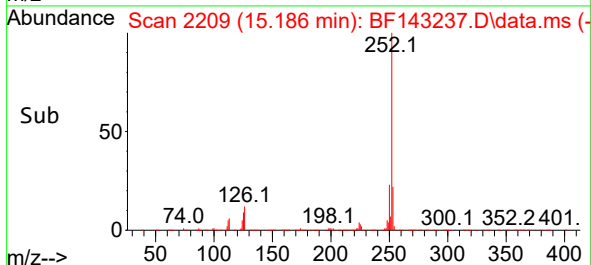
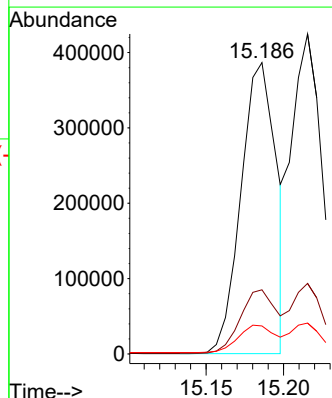
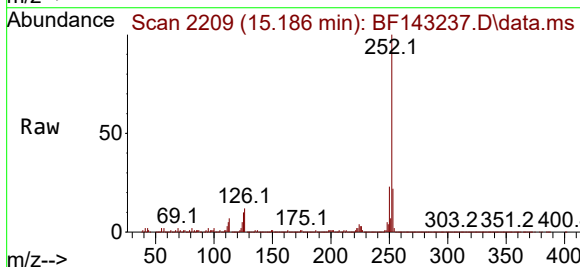
Tgt Ion:252 Resp: 609415

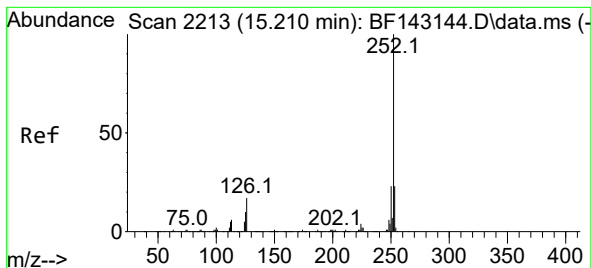
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 51.553 ng

RT: 15.215 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

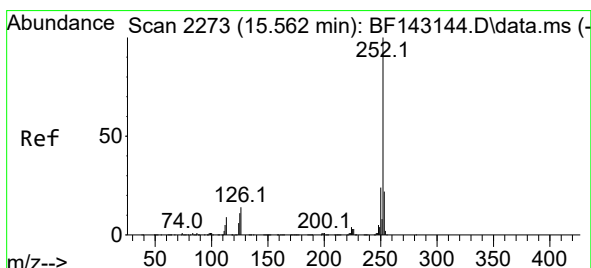
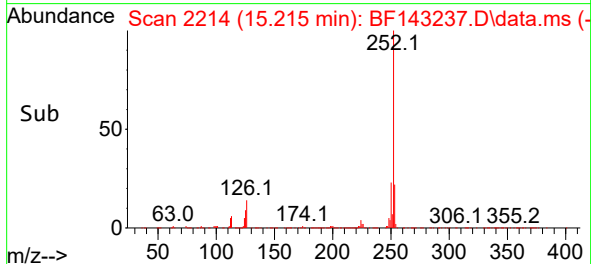
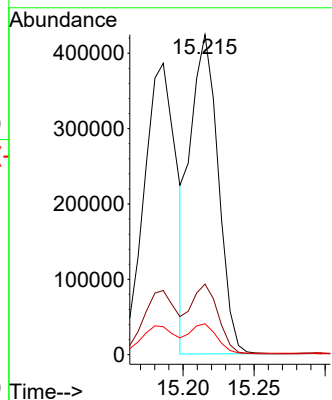
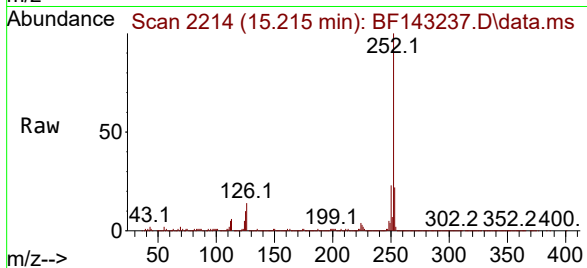
Tgt Ion:252 Resp: 575464

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 9.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 43.508 ng

RT: 15.562 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143237.D

Acq: 24 Jul 2025 16:57

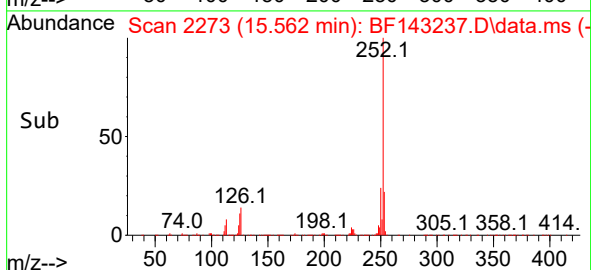
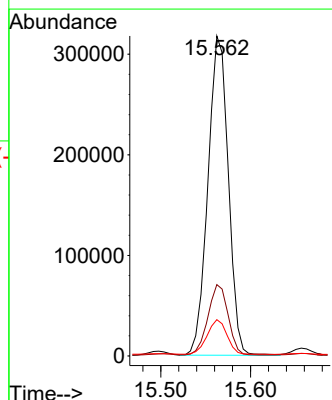
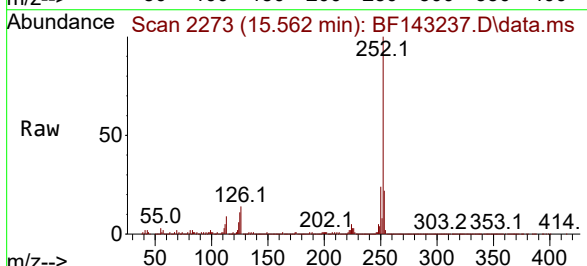
Tgt Ion:252 Resp: 501437

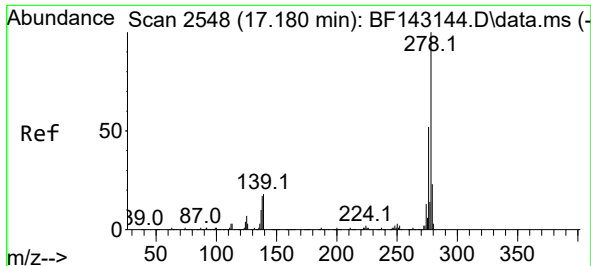
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 11.4 8.6 13.0

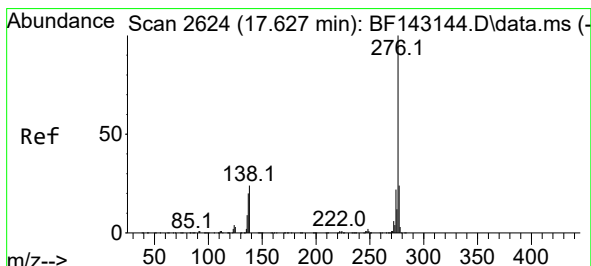
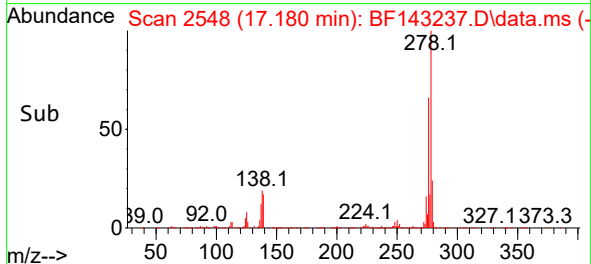
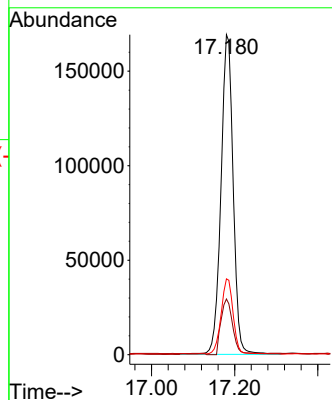
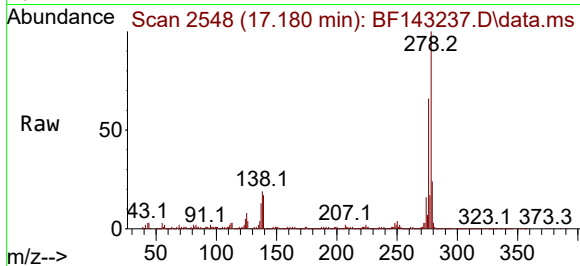




#91
 Dibenzo(a,h)anthracene
 Concen: 29.270 ng
 RT: 17.180 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Tgt Ion:278 Resp: 343981
 Ion Ratio Lower Upper
 278 100
 139 17.4 14.1 21.1
 279 23.7 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 29.348 ng
 RT: 17.627 min Scan# 2624
 Delta R.T. 0.000 min
 Lab File: BF143237.D
 Acq: 24 Jul 2025 16:57

Tgt Ion:276 Resp: 333633
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.1 28.7
 138 22.8 18.9 28.3

