

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142572.D
 Acq On : 30 May 2025 16:19
 Operator : RC/JU
 Sample : Q2150-09MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-54MSD

Quant Time: May 30 17:25:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119675	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	451884	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	233525	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	376587	20.000	ng	0.00
76) Chrysene-d12	14.074	240	204232	20.000	ng	0.00
86) Perylene-d12	15.568	264	234981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	626206	88.156	ng	0.00
7) Phenol-d6	6.528	99	774467	90.572	ng	0.00
23) Nitrobenzene-d5	7.463	82	460687	55.591	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	245306	94.646	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	923939	53.091	ng	-0.01
79) Terphenyl-d14	13.010	244	787087	52.665	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	107868	37.948	ng	99
3) Pyridine	3.504	79	294169	40.639	ng	99
4) n-Nitrosodimethylamine	3.457	42	158199	42.092	ng	94
6) Aniline	6.563	93	315467	27.438	ng	100
8) 2-Chlorophenol	6.681	128	330816	42.757	ng	98
9) Benzaldehyde	6.451	77	188917	36.733	ng	99
10) Phenol	6.540	94	399774	41.550	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	297241	42.917	ng	99
12) 1,3-Dichlorobenzene	6.840	146	361346	41.854	ng	99
13) 1,4-Dichlorobenzene	6.916	146	360999	41.510	ng	99
14) 1,2-Dichlorobenzene	7.069	146	352553	42.366	ng	99
15) Benzyl Alcohol	7.040	79	264525	41.862	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	487250	41.893	ng	97
17) 2-Methylphenol	7.151	107	254267	42.092	ng	100
18) Hexachloroethane	7.410	117	126375	41.616	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	213930	40.369	ng	99
20) 3+4-Methylphenols	7.304	107	316160	40.870	ng	96
22) Acetophenone	7.310	105	422319	42.218	ng	99
24) Nitrobenzene	7.481	77	322834	43.193	ng	100
25) Isophorone	7.722	82	577626	41.690	ng	98
26) 2-Nitrophenol	7.798	139	179840	45.031	ng	96
27) 2,4-Dimethylphenol	7.834	122	305712	43.407	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	370438	42.800	ng	99
29) 2,4-Dichlorophenol	8.039	162	272520	42.548	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	297632	42.817	ng	98
31) Naphthalene	8.204	128	949483	42.672	ng	100
32) Benzoic acid	7.951	122	192119	44.812	ng	95
33) 4-Chloroaniline	8.251	127	90517	10.040	ng	98
34) Hexachlorobutadiene	8.322	225	182076	41.950	ng	99
35) Caprolactam	8.622	113	85172m	47.347	ng	
36) 4-Chloro-3-methylphenol	8.734	107	272050	41.445	ng	97
37) 2-Methylnaphthalene	8.898	142	572580	40.904	ng	99
38) 1-Methylnaphthalene	8.998	142	592334	40.908	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	295710	44.113	ng	99
41) Hexachlorocyclopentadiene	9.051	237	367045	81.167	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	199370	44.106	ng	97

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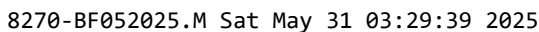
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Quant Time: May 30 17:25:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	206416	43.298	ng	97
46) 1,1'-Biphenyl	9.363	154	782223	43.175	ng	100
47) 2-Chloronaphthalene	9.386	162	580508	43.368	ng	98
48) 2-Nitroaniline	9.481	65	169375	43.777	ng	98
49) Acenaphthylene	9.804	152	966376	42.755	ng	100
50) Dimethylphthalate	9.663	163	663411	43.054	ng	100
51) 2,6-Dinitrotoluene	9.722	165	146601	44.081	ng	99
52) Acenaphthene	9.975	154	647101	46.885	ng	98
53) 3-Nitroaniline	9.892	138	68290	18.800	ng	96
54) 2,4-Dinitrophenol	9.998	184	162358	94.494	ng	93
55) Dibenzofuran	10.145	168	835708	42.078	ng	99
56) 4-Nitrophenol	10.051	139	232388	86.705	ng	98
57) 2,4-Dinitrotoluene	10.128	165	196609	45.268	ng	100
58) Fluorene	10.492	166	644728	42.019	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	166679	41.881	ng	98
60) Diethylphthalate	10.363	149	645000	42.860	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	314568	41.734	ng	98
62) 4-Nitroaniline	10.510	138	141101	42.830	ng	96
63) Azobenzene	10.639	77	613439	45.384	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	102404	48.726	ng	99
66) n-Nitrosodiphenylamine	10.598	169	558179	43.324	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	192522	43.235	ng	98
68) Hexachlorobenzene	11.039	284	212135	43.073	ng	99
69) Atrazine	11.128	200	166454	48.648	ng	100
70) Pentachlorophenol	11.233	266	236131	84.922	ng	100
71) Phenanthrene	11.457	178	866540	43.057	ng	100
72) Anthracene	11.510	178	876073	42.653	ng	100
73) Carbazole	11.657	167	760532	43.312	ng	100
74) Di-n-butylphthalate	11.986	149	894989	46.565	ng	100
75) Fluoranthene	12.645	202	782953	41.635	ng	99
77) Benzidine	12.763	184	279867	36.824	ng	99
78) Pyrene	12.874	202	777772	40.824	ng	100
80) Butylbenzylphthalate	13.486	149	285871	54.303	ng	100
81) Benzo(a)anthracene	14.063	228	596751	43.758	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	88980	21.511	ng	98
83) Chrysene	14.098	228	538958	43.981	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	378894	56.222	ng	99
85) Di-n-octyl phthalate	14.663	149	640360	48.596	ng	# 100
87) Indeno(1,2,3-cd)pyrene	17.086	276	753995	42.741	ng	99
88) Benzo(b)fluoranthene	15.127	252	582813	41.907	ng	99
89) Benzo(k)fluoranthene	15.157	252	593433	45.559	ng	99
90) Benzo(a)pyrene	15.504	252	584344	44.576	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	611507	42.740	ng	99
92) Benzo(g,h,i)perylene	17.545	276	599741	41.909	ng	98

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

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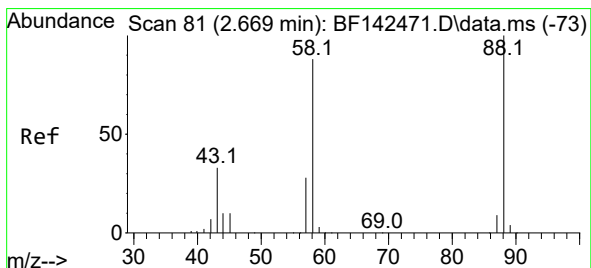
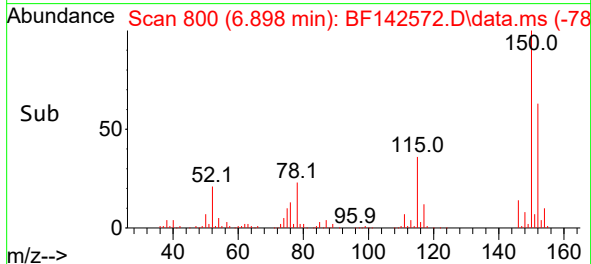
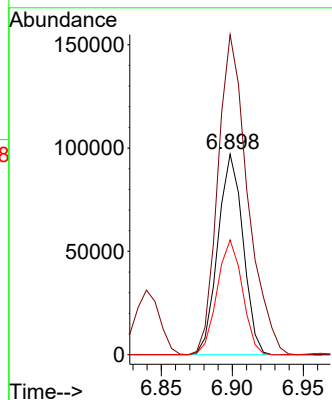
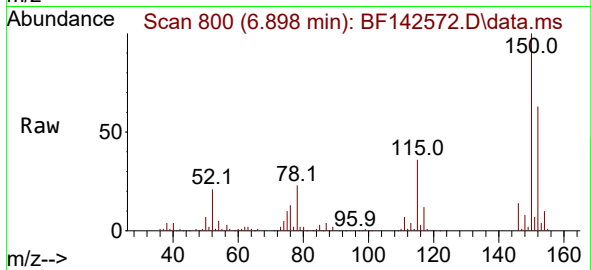




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

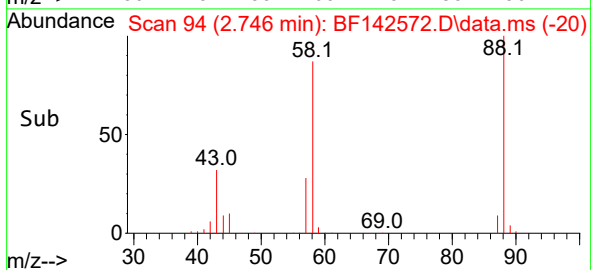
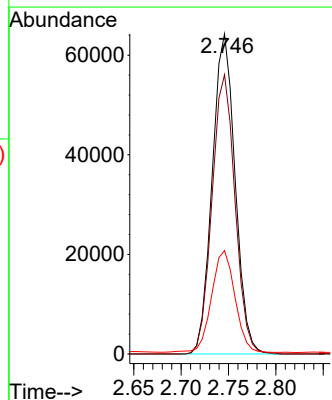
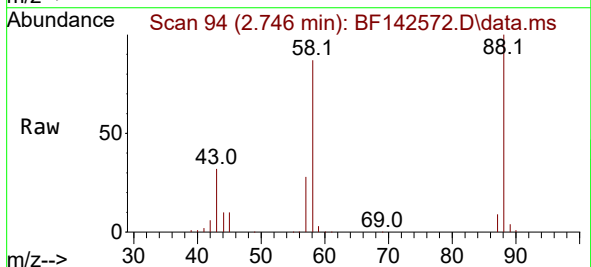
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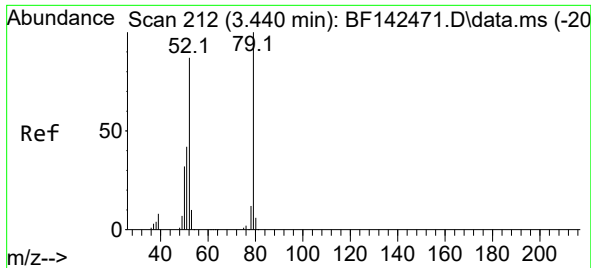
Tgt Ion:152 Resp: 119675
 Ion Ratio Lower Upper
 152 100
 150 159.6 128.2 192.4
 115 57.2 48.3 72.5



#2
 1,4-Dioxane
 Concen: 37.948 ng
 RT: 2.746 min Scan# 94
 Delta R.T. 0.083 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

Tgt Ion: 88 Resp: 107868
 Ion Ratio Lower Upper
 88 100
 58 87.8 70.8 106.2
 43 32.5 26.6 40.0





#3

Pyridine

Concen: 40.639 ng

RT: 3.504 min Scan# 215

Delta R.T. 0.065 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

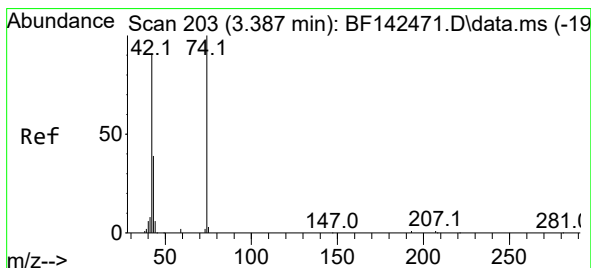
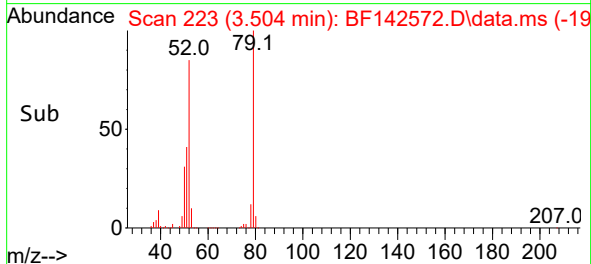
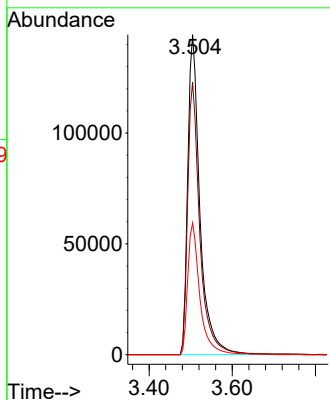
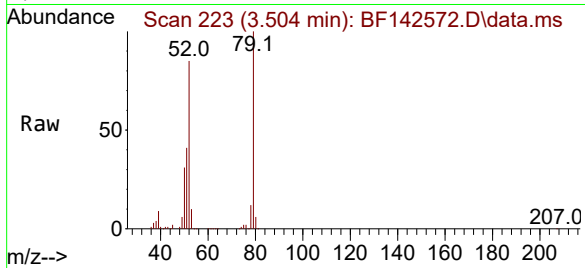
Tgt Ion: 79 Resp: 294169

Ion Ratio Lower Upper

79 100

52 85.1 69.2 103.8

51 41.2 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 42.092 ng

RT: 3.457 min Scan# 215

Delta R.T. 0.053 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

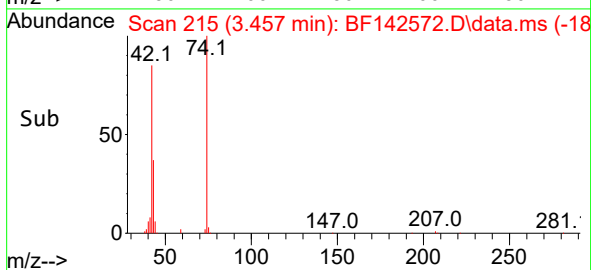
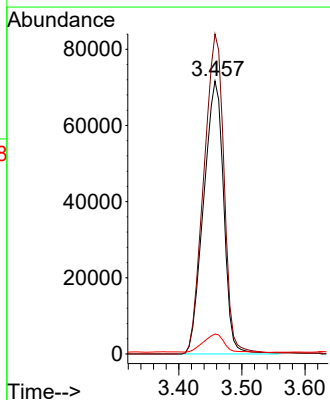
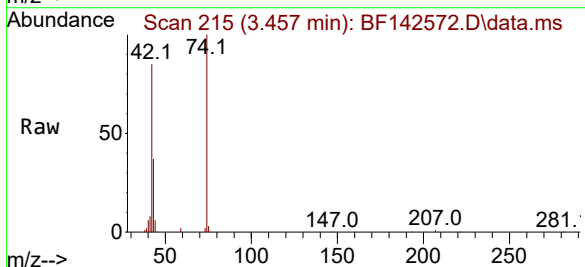
Tgt Ion: 42 Resp: 158199

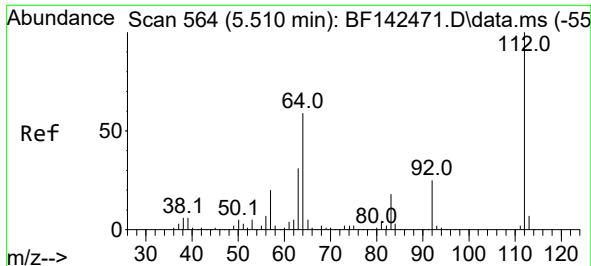
Ion Ratio Lower Upper

42 100

74 117.2 88.2 132.4

44 7.3 5.4 8.2

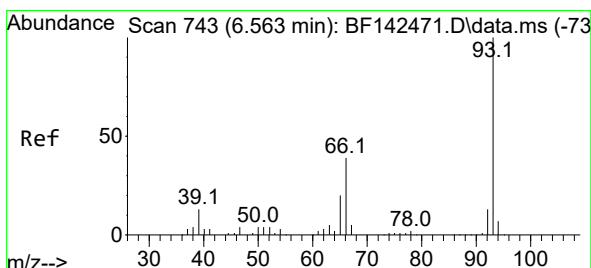
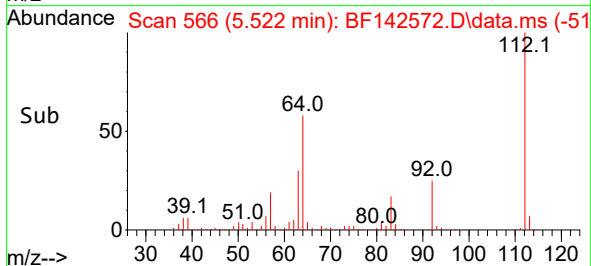
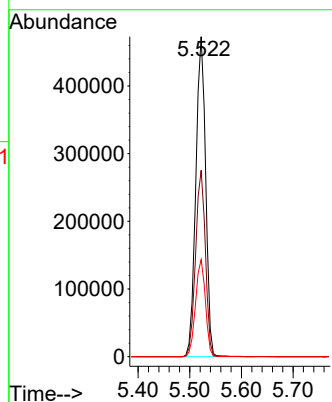
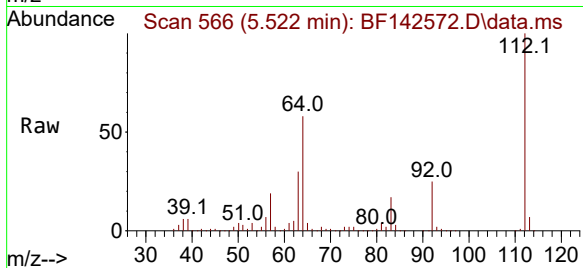




#5
2-Fluorophenol
Concen: 88.156 ng
RT: 5.522 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

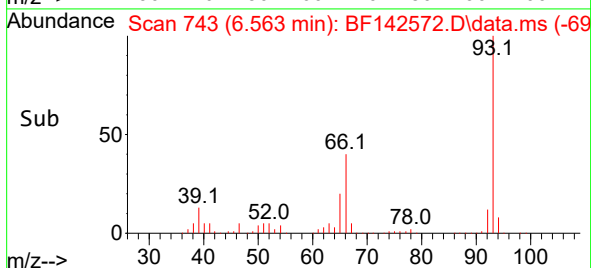
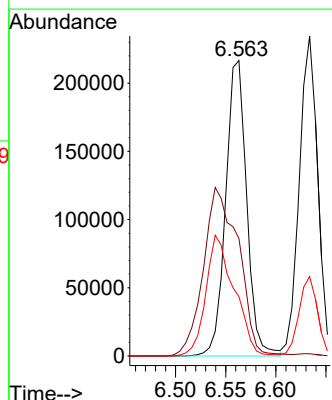
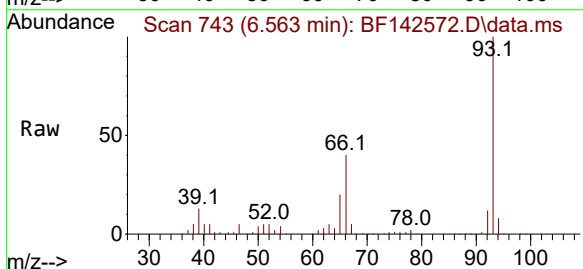
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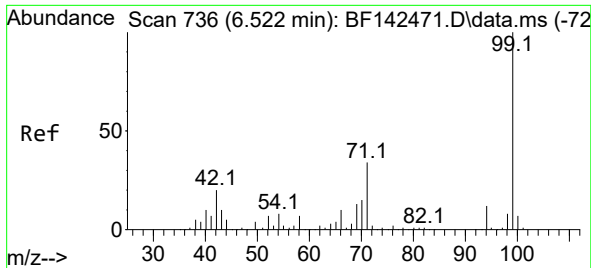
Tgt Ion:112 Resp: 626206
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 30.4 24.9 37.3



#6
Aniline
Concen: 27.438 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion: 93 Resp: 315467
Ion Ratio Lower Upper
93 100
66 39.8 32.0 48.0
65 20.1 16.1 24.1

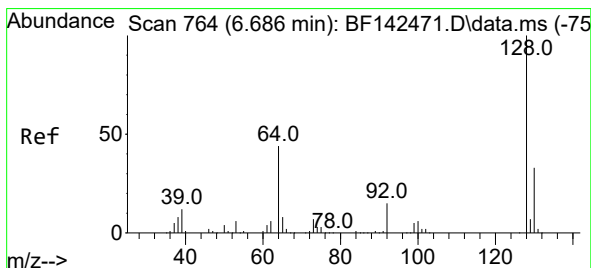
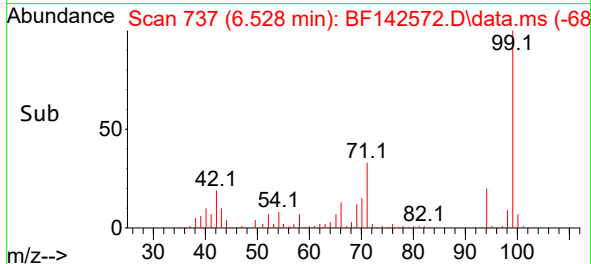
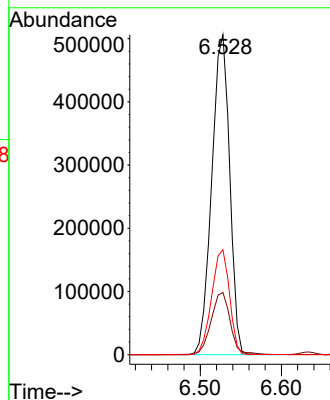
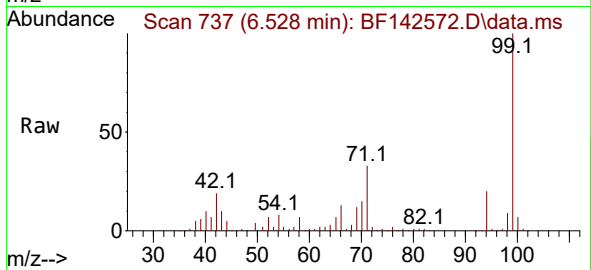




#7
Phenol-d6
Concen: 90.572 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

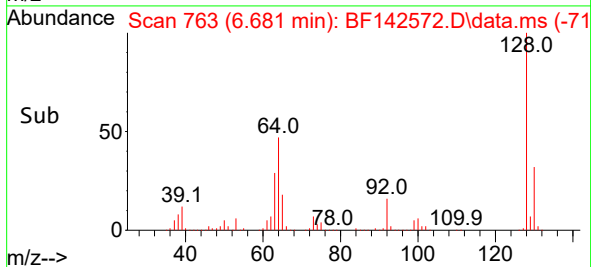
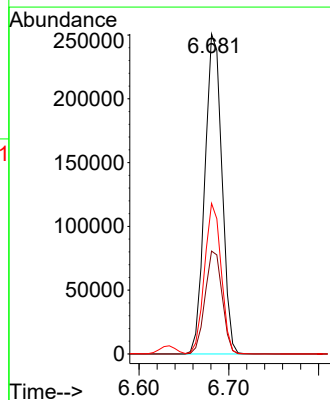
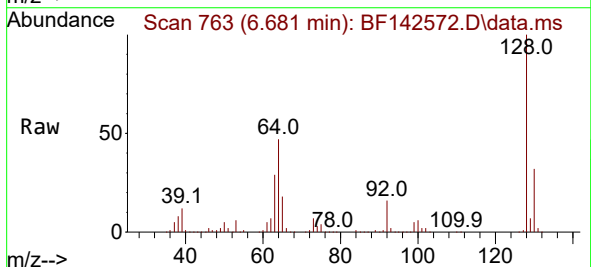
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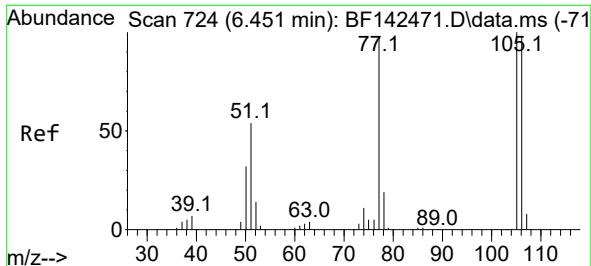
Tgt Ion: 99 Resp: 774467
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.8 27.3 40.9



#8
2-Chlorophenol
Concen: 42.757 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:128 Resp: 330816
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 47.0 25.1 65.1





#9

Benzaldehyde

Concen: 36.733 ng

RT: 6.451 min Scan# 724

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

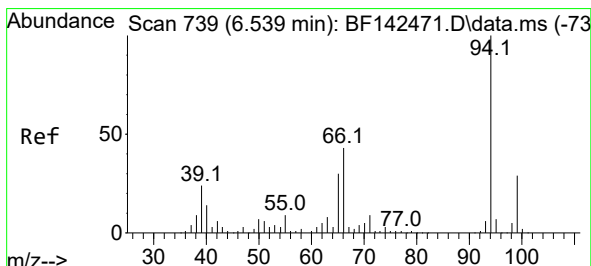
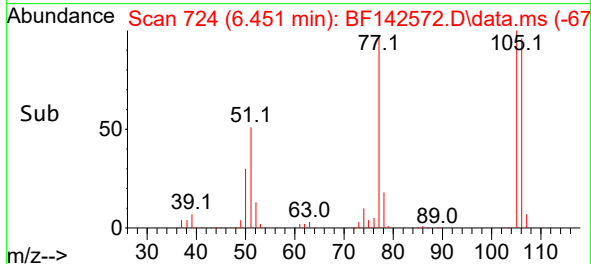
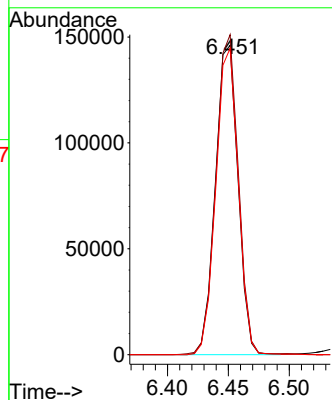
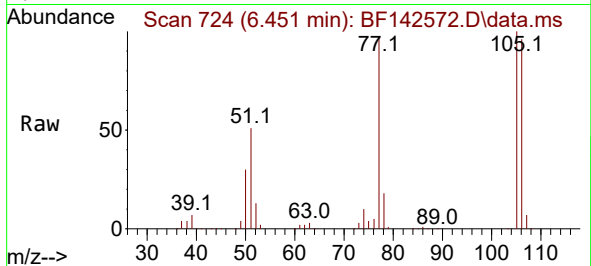
Tgt Ion: 77 Resp: 188917

Ion Ratio Lower Upper

77 100

105 103.4 82.5 122.5

106 99.0 80.0 120.0



#10

Phenol

Concen: 41.550 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

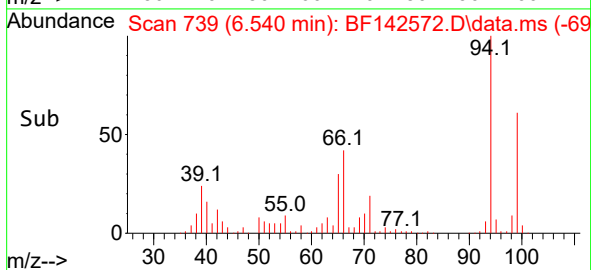
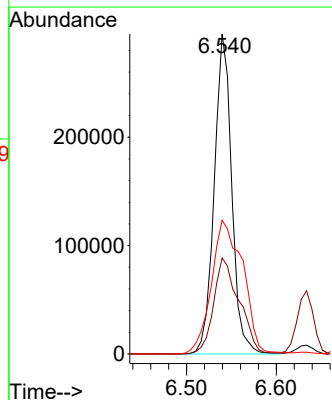
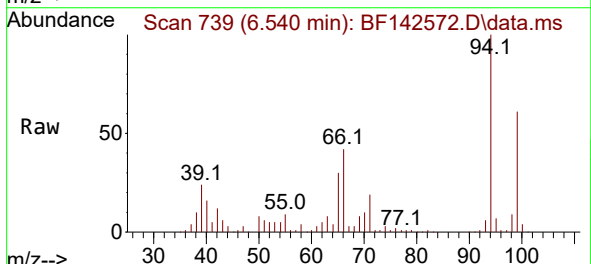
Tgt Ion: 94 Resp: 399774

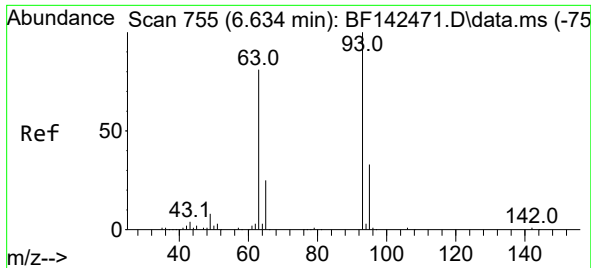
Ion Ratio Lower Upper

94 100

65 30.0 10.3 50.3

66 41.8 22.6 62.6

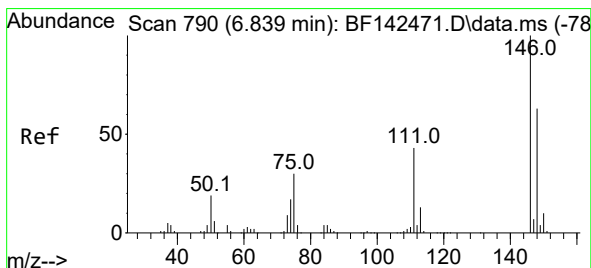
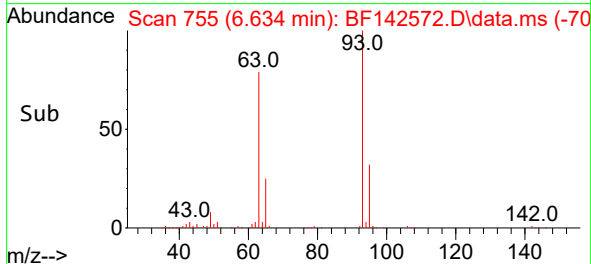
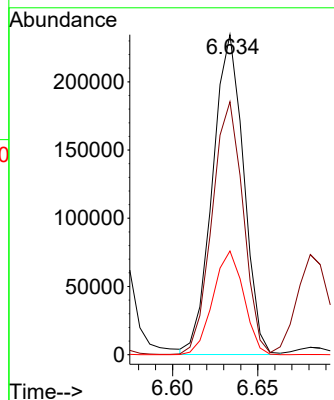
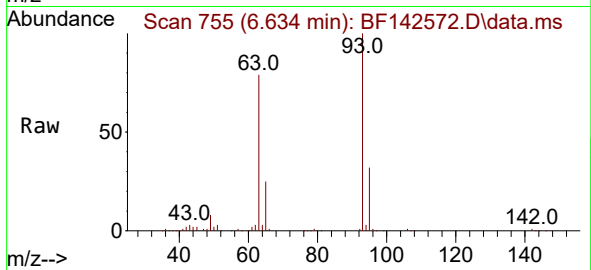




#11
bis(2-Chloroethyl)ether
Concen: 42.917 ng
RT: 6.634 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

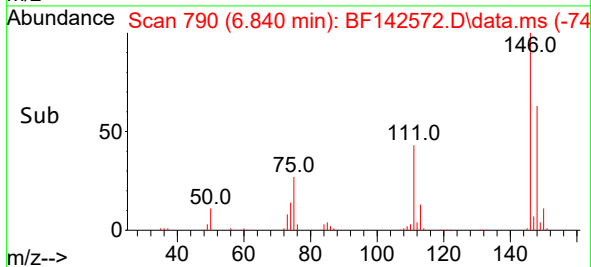
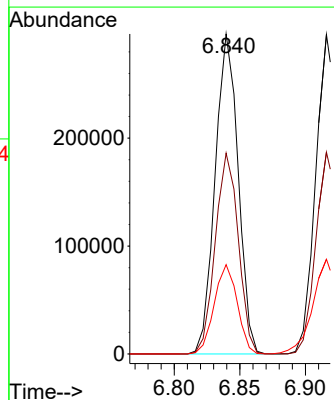
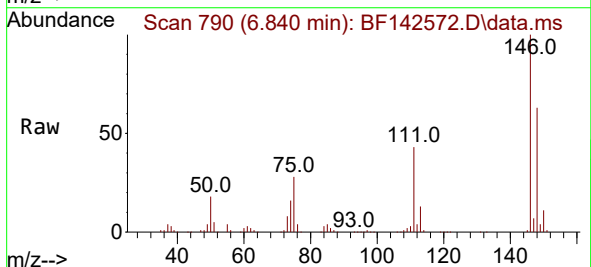
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Tgt Ion: 93 Resp: 297241
Ion Ratio Lower Upper
93 100
63 79.1 60.2 100.2
95 32.4 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 41.854 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:146 Resp: 361346
Ion Ratio Lower Upper
146 100
148 62.7 50.6 75.8
75 27.9 23.8 35.6

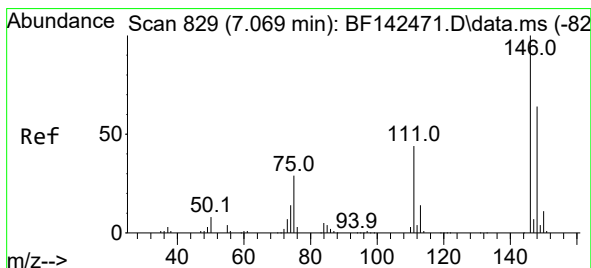
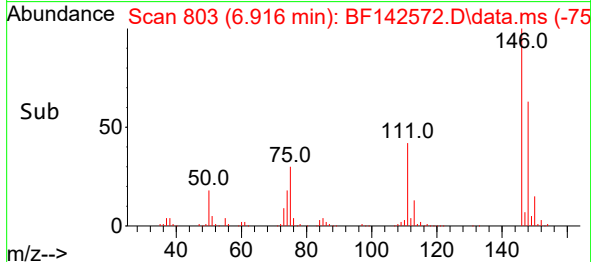
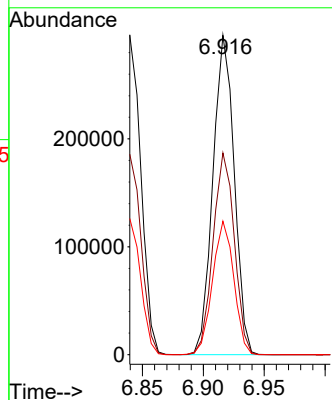
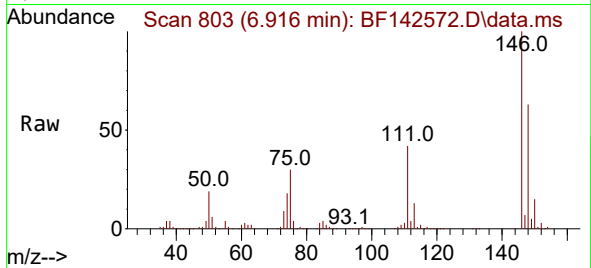




#13
1,4-Dichlorobenzene
Concen: 41.510 ng
RT: 6.916 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

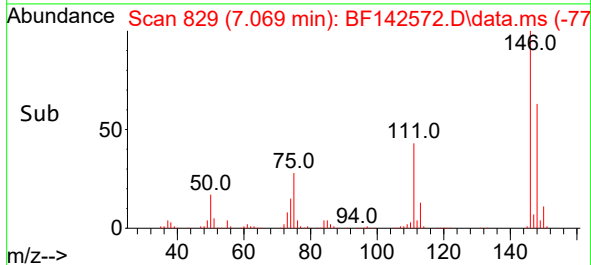
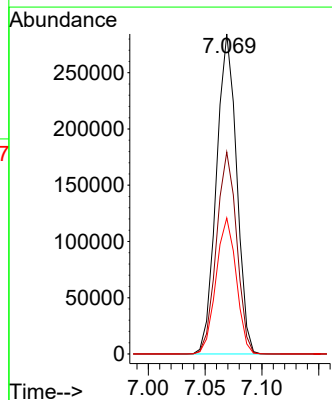
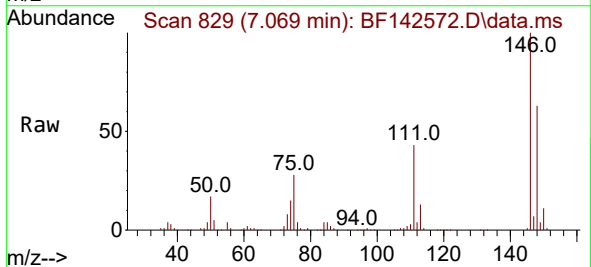
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

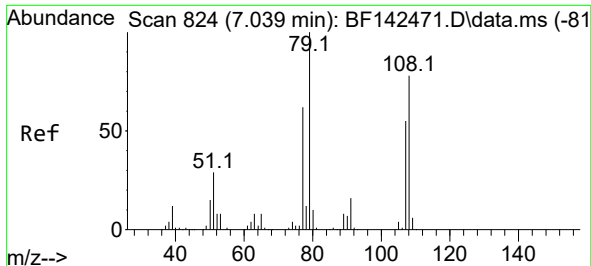
Tgt Ion:146 Resp: 360999
Ion Ratio Lower Upper
146 100
148 63.2 50.4 75.6
111 41.8 34.1 51.1



#14
1,2-Dichlorobenzene
Concen: 42.366 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:146 Resp: 352553
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.4
111 42.5 35.0 52.6

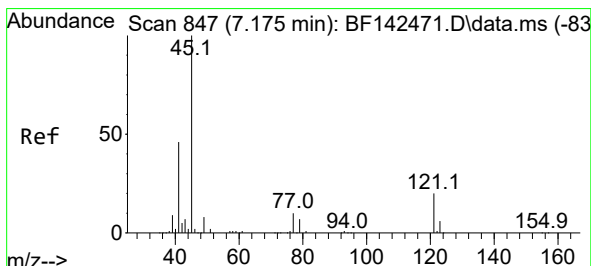
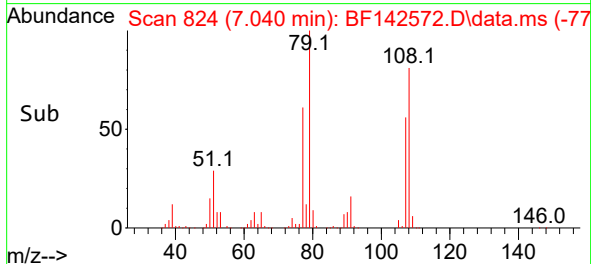
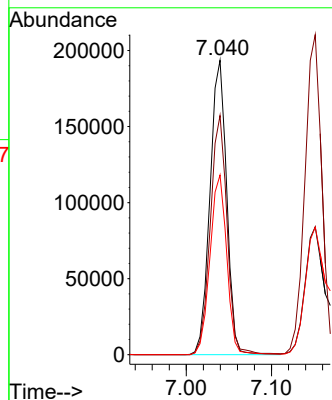
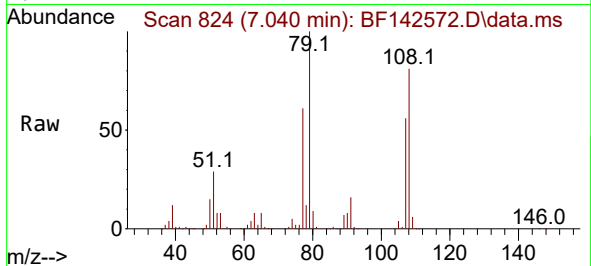




#15
Benzyl Alcohol
Concen: 41.862 ng
RT: 7.040 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

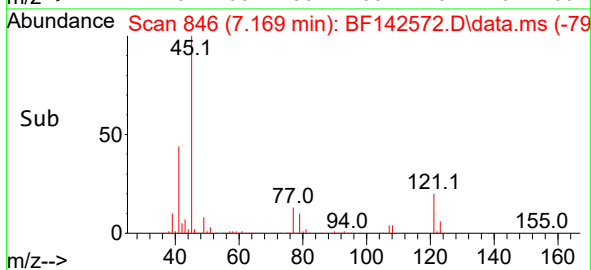
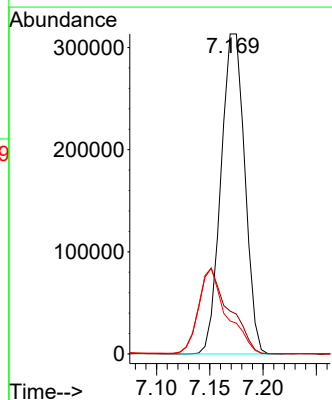
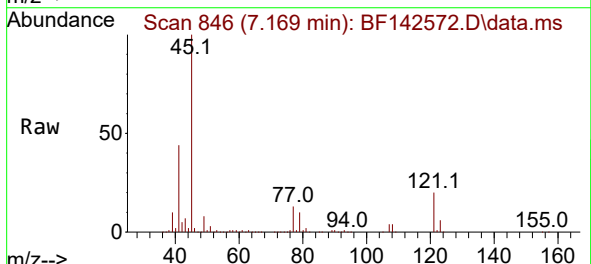
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

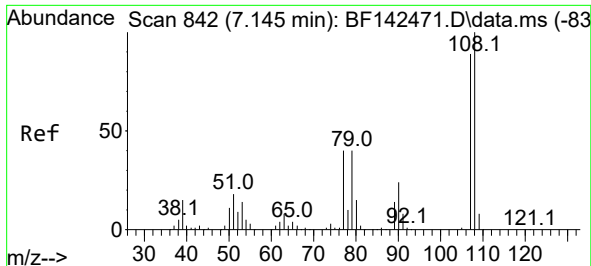
Tgt Ion: 79 Resp: 264525
Ion Ratio Lower Upper
79 100
108 81.3 62.1 93.1
77 61.0 49.5 74.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.893 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion: 45 Resp: 487250
Ion Ratio Lower Upper
45 100
77 13.4 0.0 32.0
79 10.3 0.0 29.2

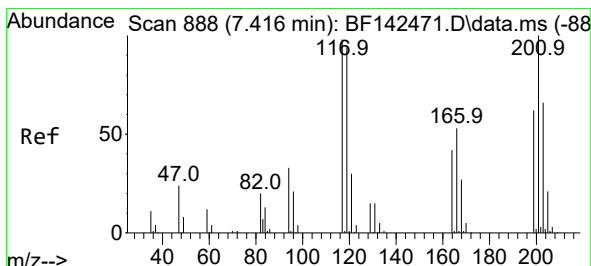
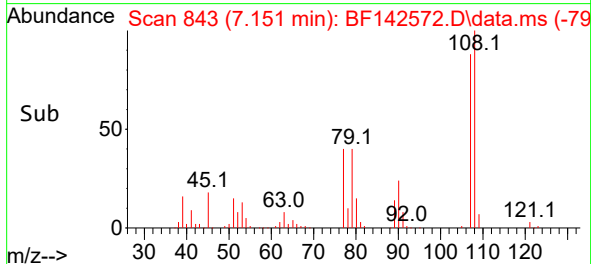
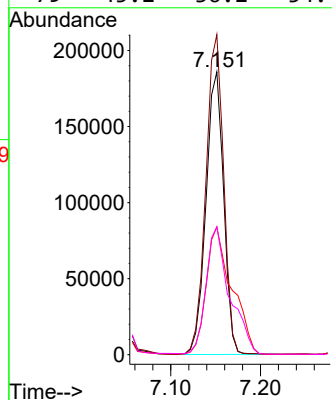
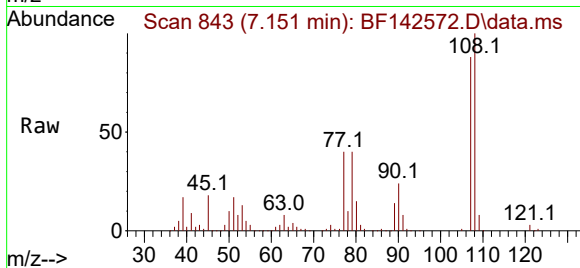




#17
2-Methylphenol
Concen: 42.092 ng
RT: 7.151 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

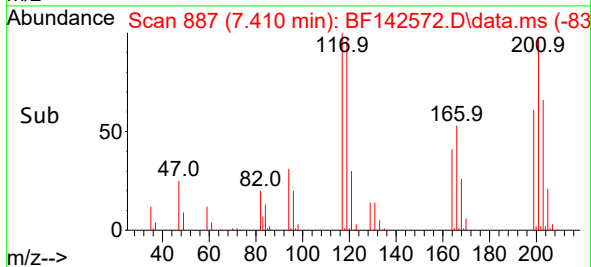
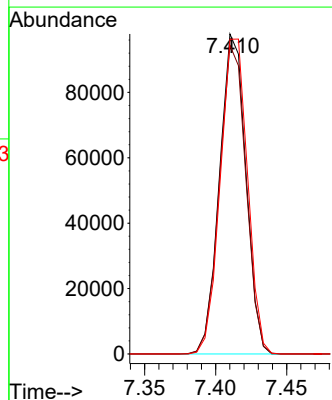
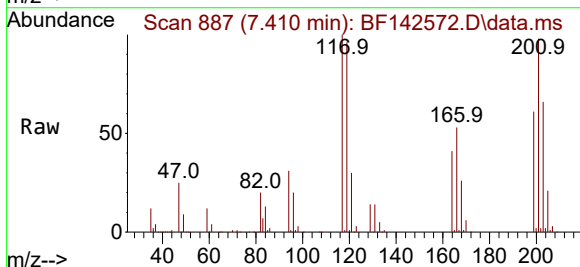
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Tgt Ion:107 Resp: 254267
Ion Ratio Lower Upper
107 100
108 113.1 90.2 135.2
77 45.1 36.1 54.1
79 45.2 36.2 54.4



#18
Hexachloroethane
Concen: 41.616 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:117 Resp: 126375
Ion Ratio Lower Upper
117 100
119 96.5 76.6 114.8
201 98.3 81.3 121.9



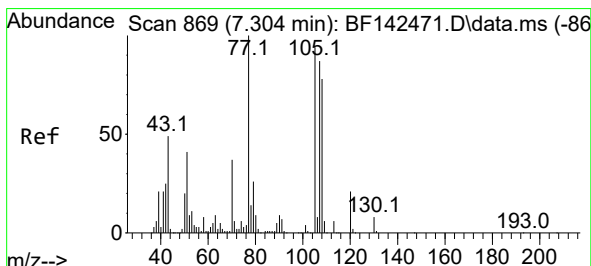
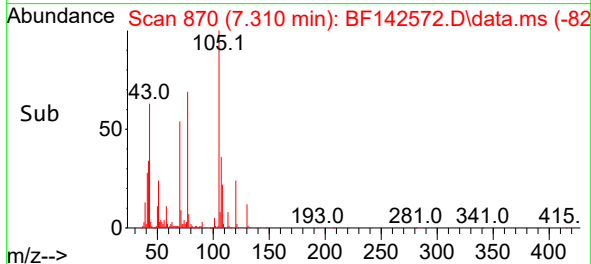
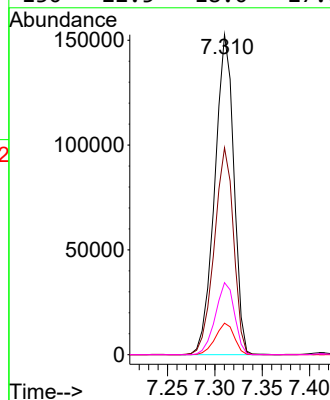
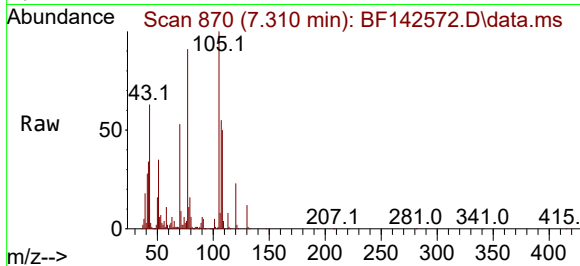


#19
n-Nitroso-di-n-propylamine
Concen: 40.369 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Tgt Ion: 70 Resp: 213930

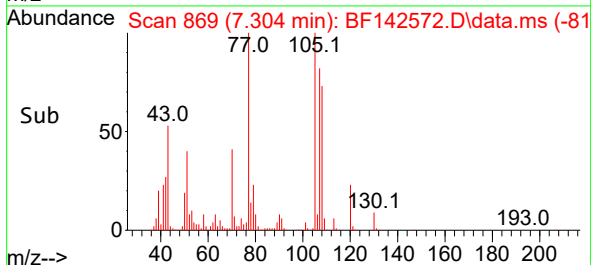
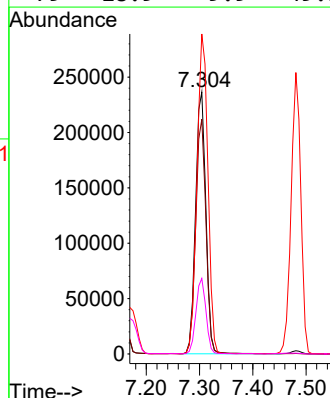
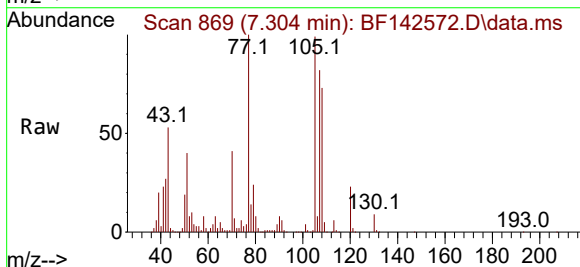
Ion	Ratio	Lower	Upper
70	100		
42	64.6	52.4	78.6
101	9.9	7.8	11.8
130	22.5	18.0	27.0

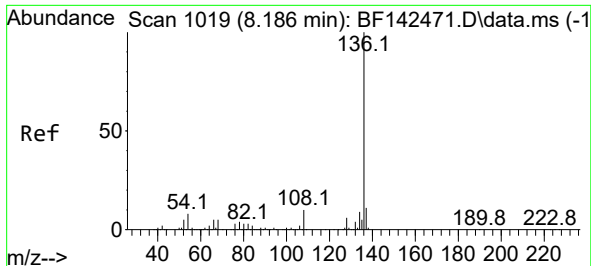


#20
3+4-Methylphenols
Concen: 40.870 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion: 107 Resp: 316160

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.4	110.4
77	122.2	95.4	135.4
79	28.9	9.9	49.9



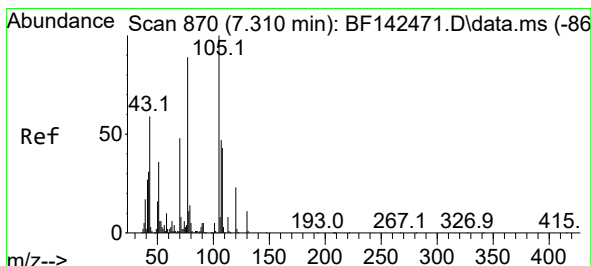
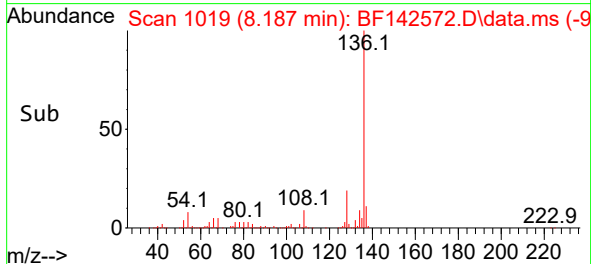
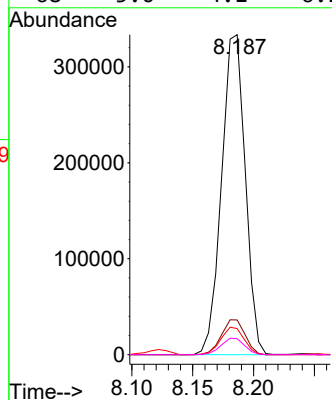
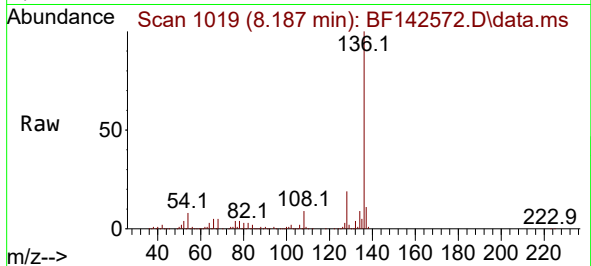


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Tgt Ion:136 Resp: 451884

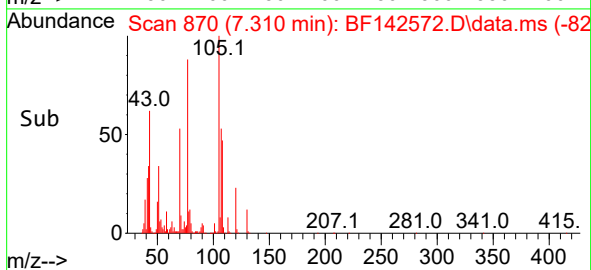
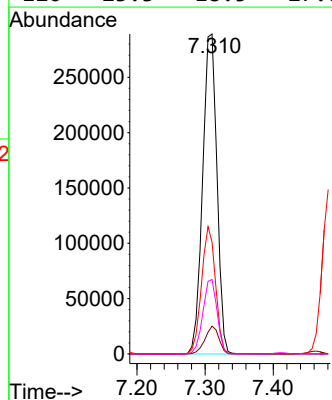
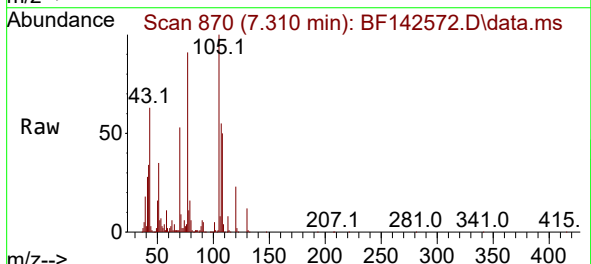
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.1	6.6	10.0
68	5.0	4.1	6.1

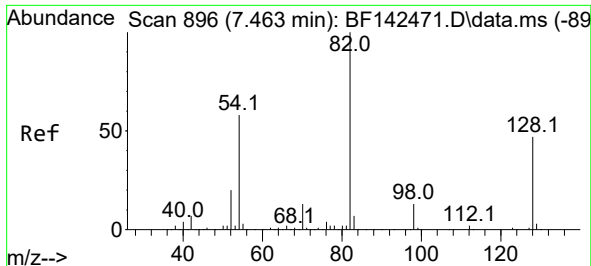


#22
Acetophenone
Concen: 42.218 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:105 Resp: 422319

Ion	Ratio	Lower	Upper
105	100		
71	8.7	6.4	9.6
51	35.0	28.6	42.8
120	23.3	18.5	27.7





#23

Nitrobenzene-d5

Concen: 55.591 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

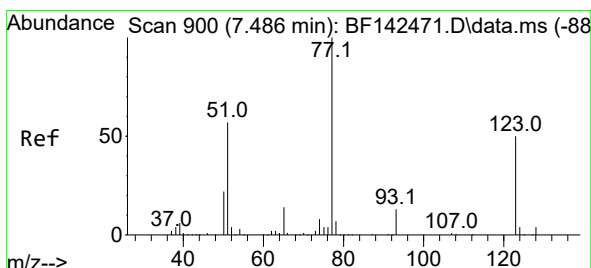
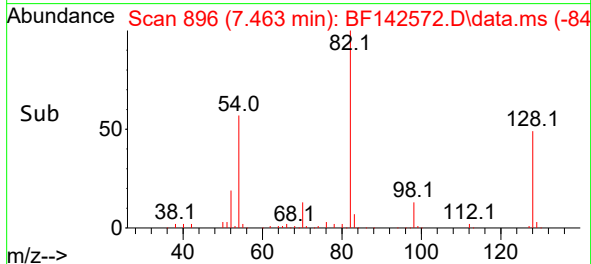
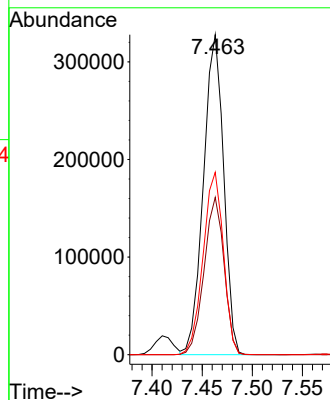
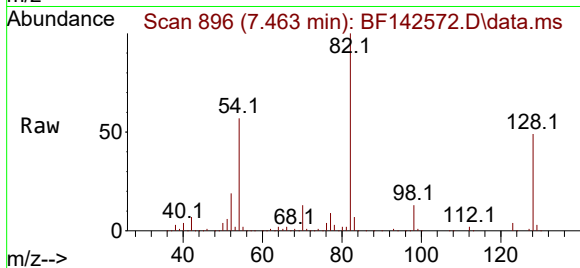
Tgt Ion: 82 Resp: 460687

Ion Ratio Lower Upper

82 100

128 49.1 37.4 56.2

54 57.0 46.6 70.0



#24

Nitrobenzene

Concen: 43.193 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

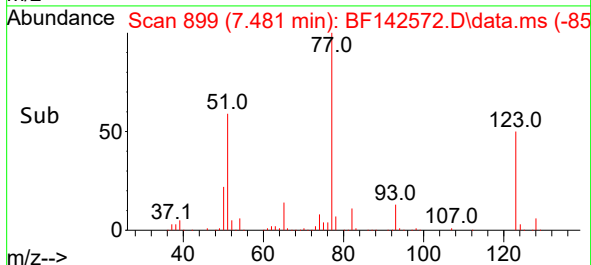
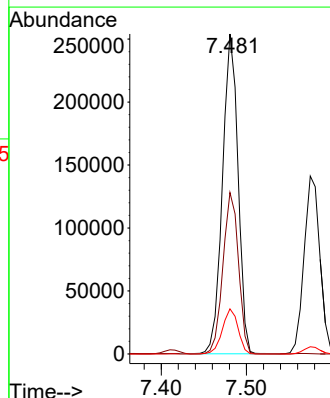
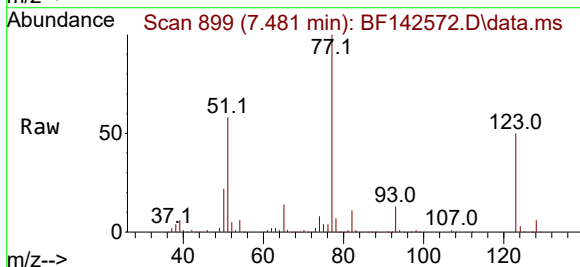
Tgt Ion: 77 Resp: 322834

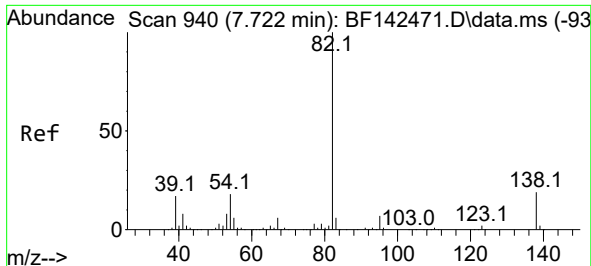
Ion Ratio Lower Upper

77 100

123 50.5 40.6 61.0

65 14.1 11.4 17.2

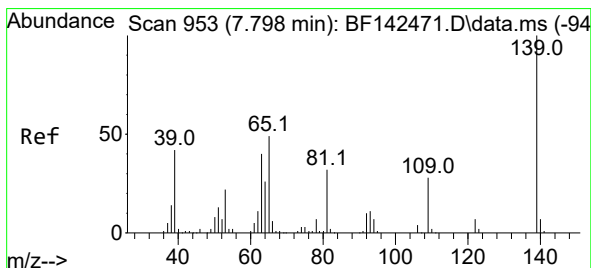
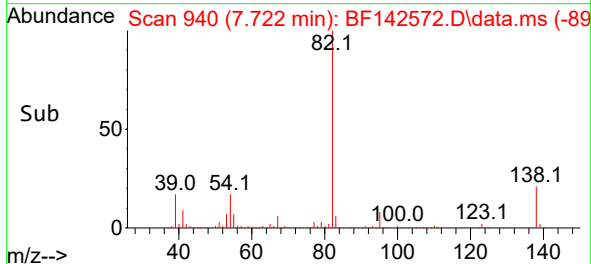
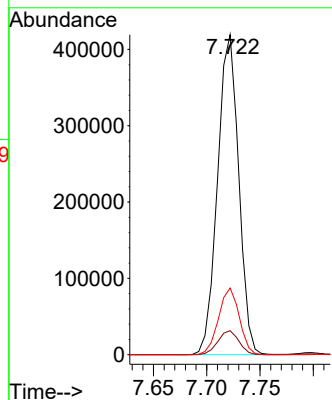
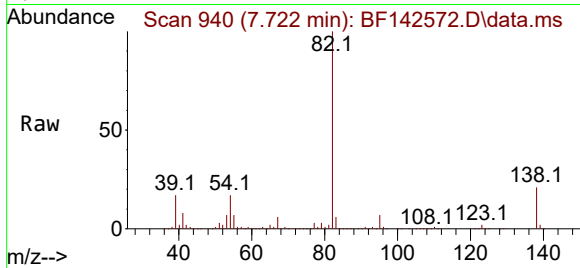




#25
Isophorone
Concen: 41.690 ng
RT: 7.722 min Scan# 940
Delta R.T. -0.012 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

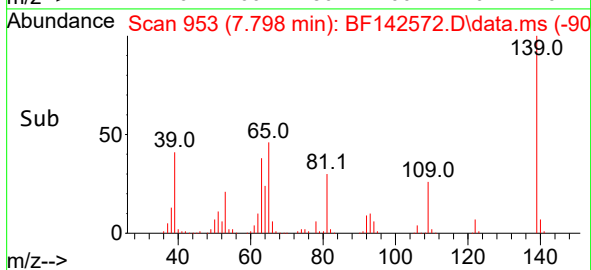
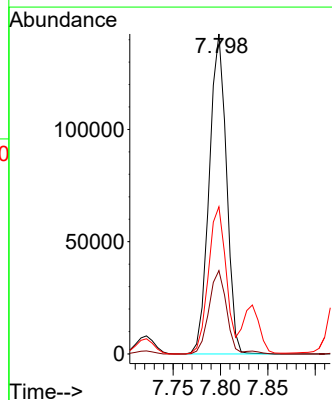
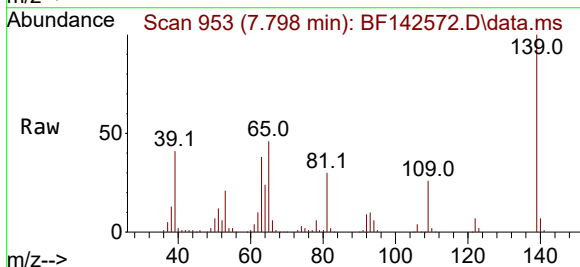
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

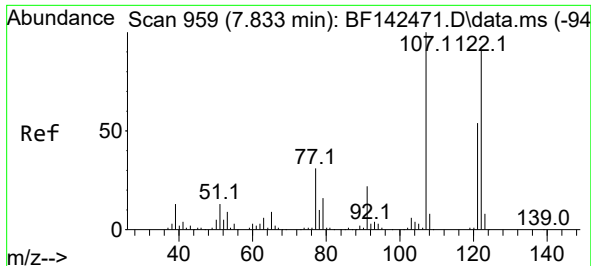
Tgt Ion: 82 Resp: 577626
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 20.9 15.5 23.3



#26
2-Nitrophenol
Concen: 45.031 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:139 Resp: 179840
Ion Ratio Lower Upper
139 100
109 26.1 22.6 33.8
65 46.0 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 43.407 ng

RT: 7.834 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

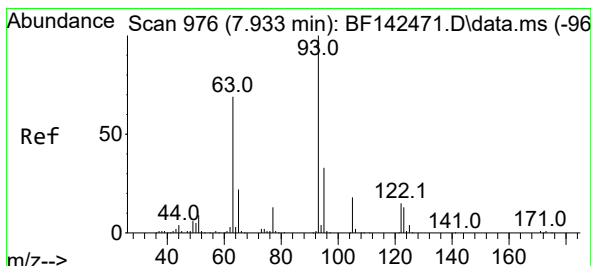
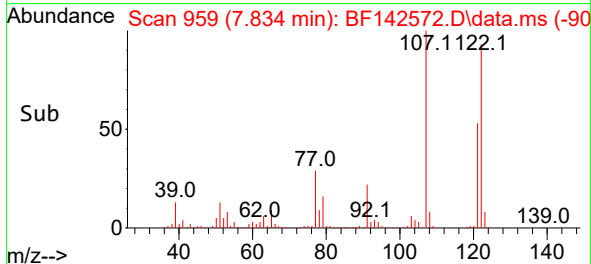
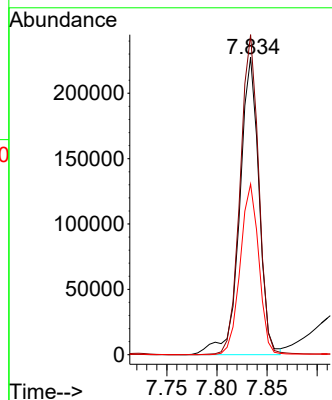
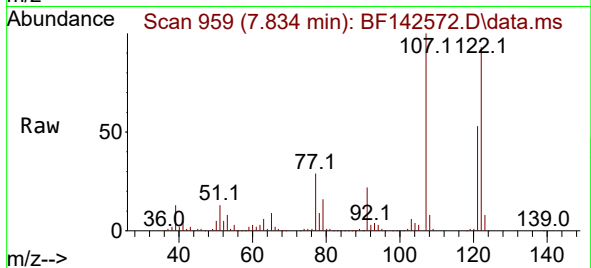
Tgt Ion:122 Resp: 305712

Ion Ratio Lower Upper

122 100

107 107.6 88.1 132.1

121 57.3 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 42.800 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

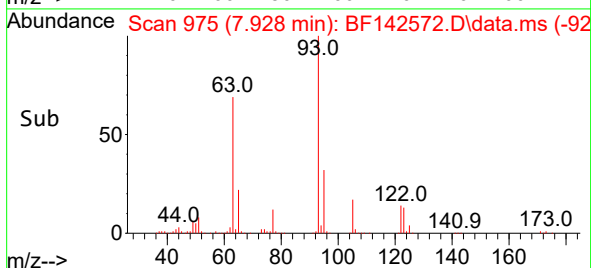
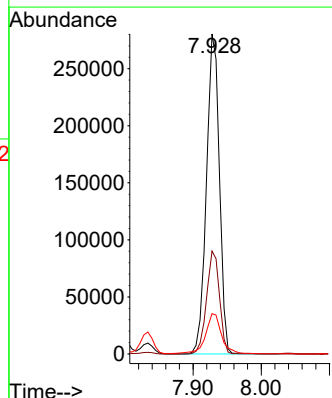
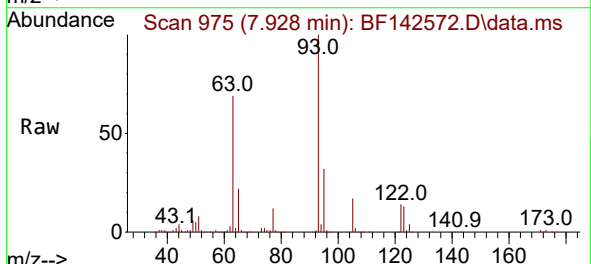
Tgt Ion: 93 Resp: 370438

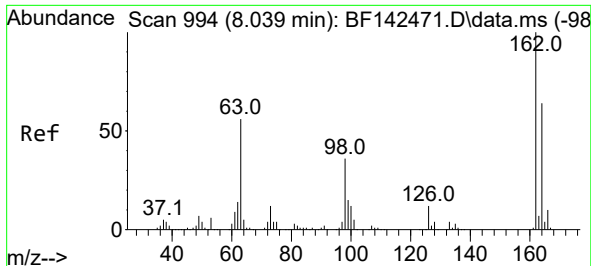
Ion Ratio Lower Upper

93 100

95 32.1 26.4 39.6

123 12.6 10.6 15.8





#29

2,4-Dichlorophenol

Concen: 42.548 ng

RT: 8.039 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

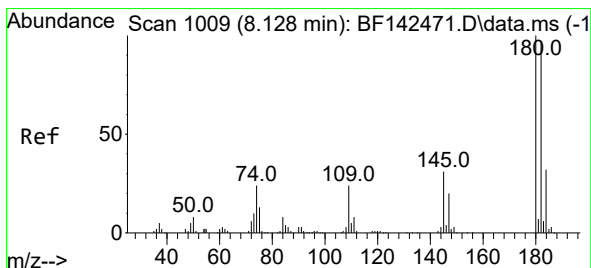
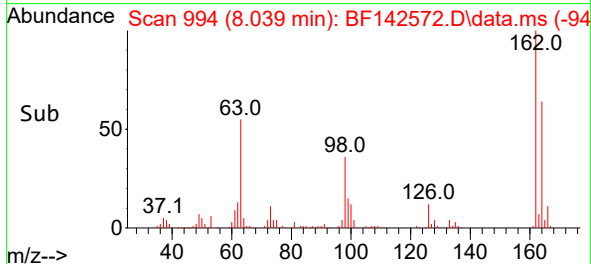
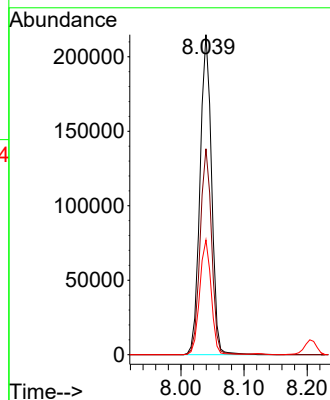
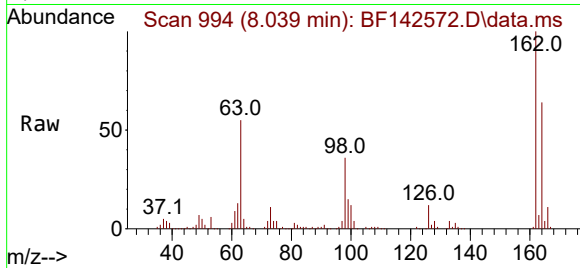
Tgt Ion:162 Resp: 272520

Ion Ratio Lower Upper

162 100

164 64.3 43.7 83.7

98 35.9 15.5 55.5



#30

1,2,4-Trichlorobenzene

Concen: 42.817 ng

RT: 8.122 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

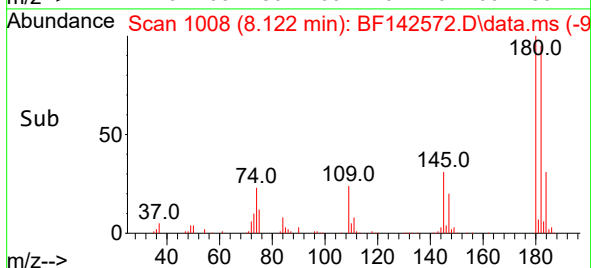
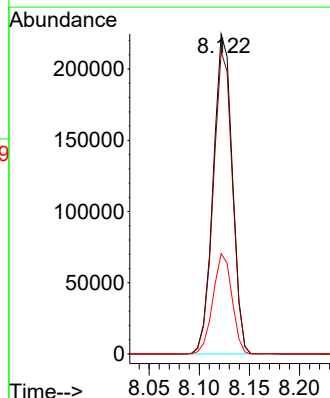
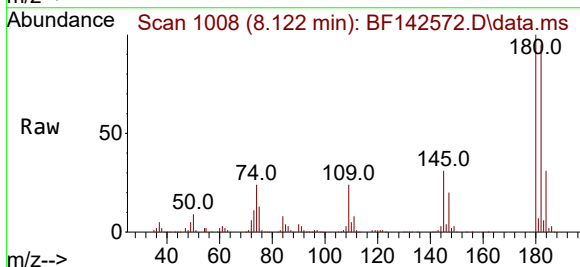
Tgt Ion:180 Resp: 297632

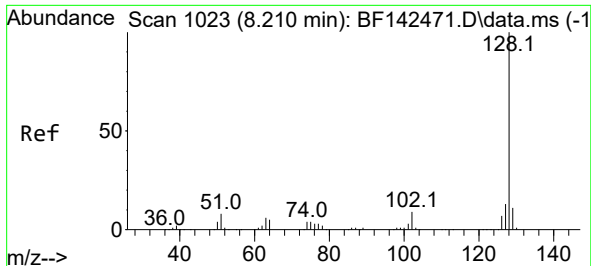
Ion Ratio Lower Upper

180 100

182 94.6 78.0 117.0

145 31.4 25.0 37.6

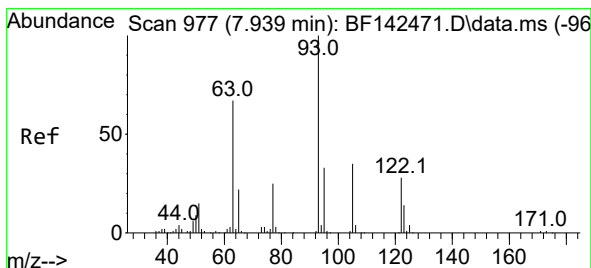
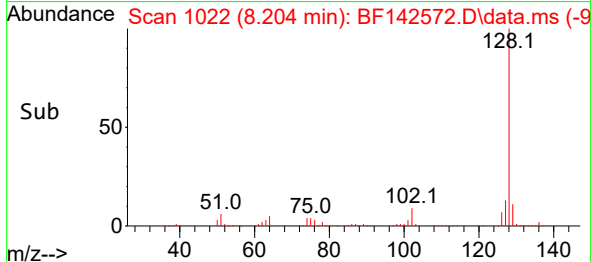
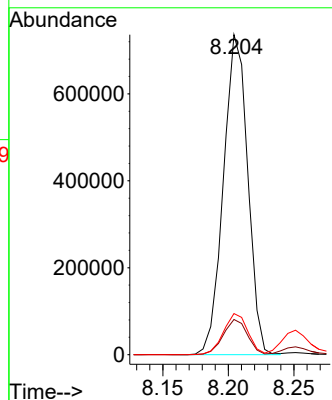
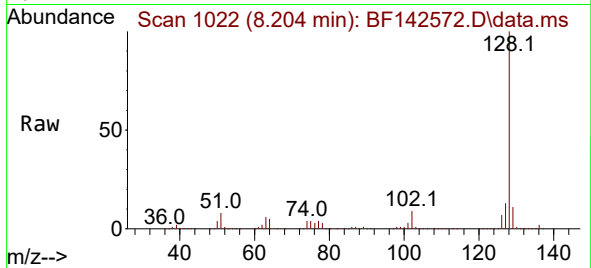




#31
Naphthalene
Concen: 42.672 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

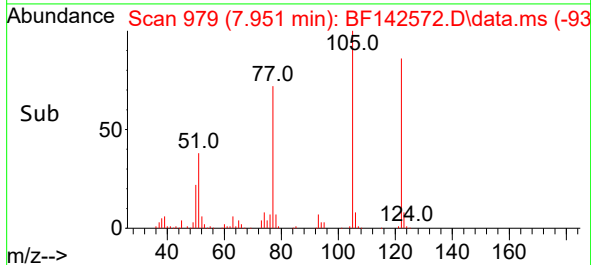
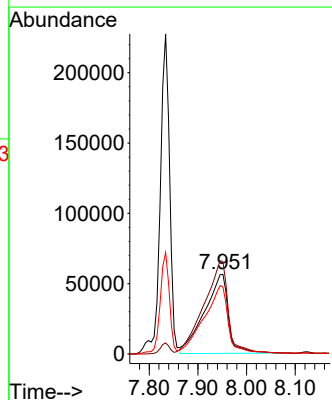
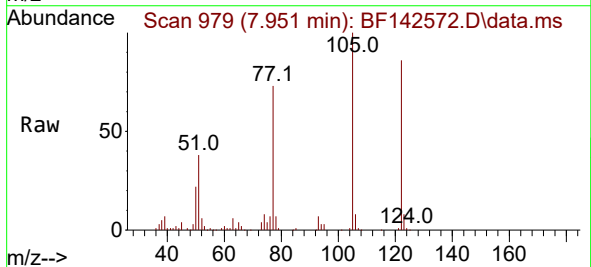
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

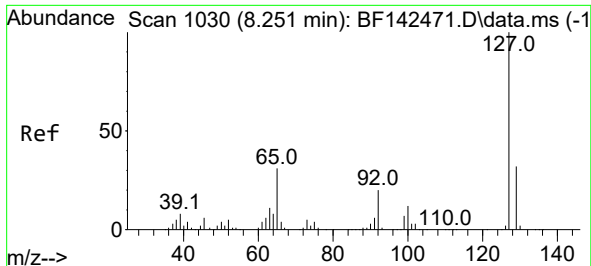
Tgt Ion:128 Resp: 949483
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.5 15.7



#32
Benzoic acid
Concen: 44.812 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:122 Resp: 192119
Ion Ratio Lower Upper
122 100
105 116.0 101.7 141.7
77 84.3 69.5 109.5

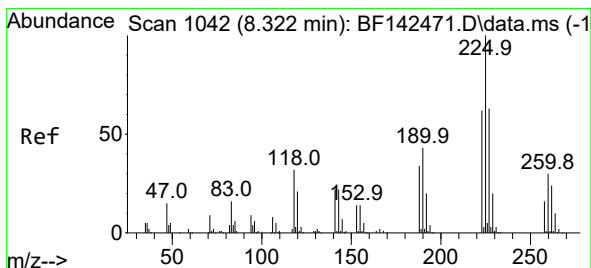
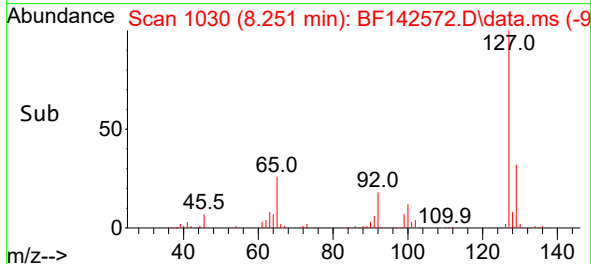
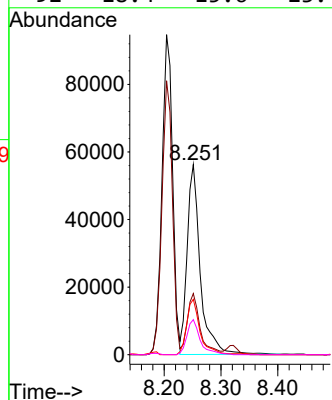
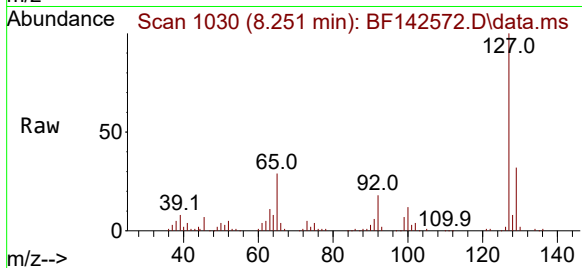




#33
4-Chloroaniline
Concen: 10.040 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

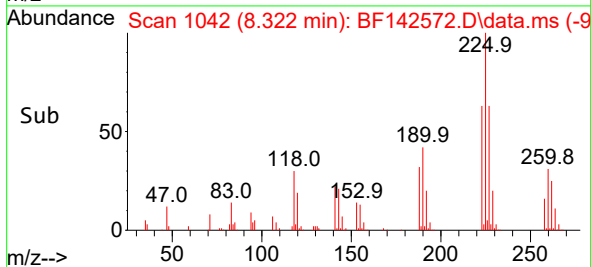
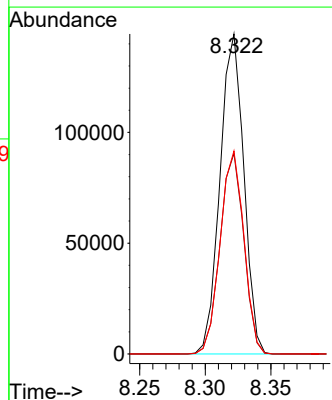
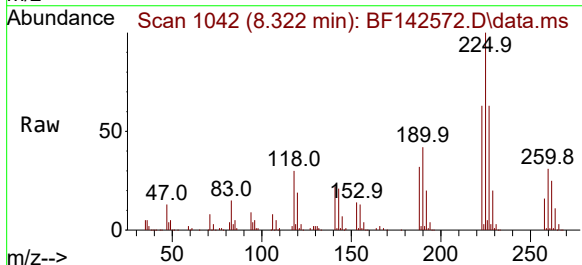
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

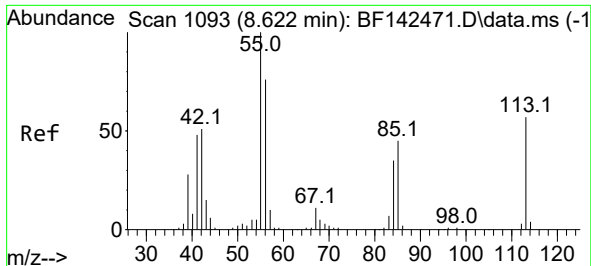
Tgt Ion:127	Resp:	90517
Ion	Ratio	Lower Upper
127	100	
129	32.2	26.1 39.1
65	29.1	24.9 37.3
92	18.4	15.6 23.4



#34
Hexachlorobutadiene
Concen: 41.950 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:225	Resp:	182076
Ion	Ratio	Lower Upper
225	100	
223	62.7	49.7 74.5
227	63.5	50.3 75.5

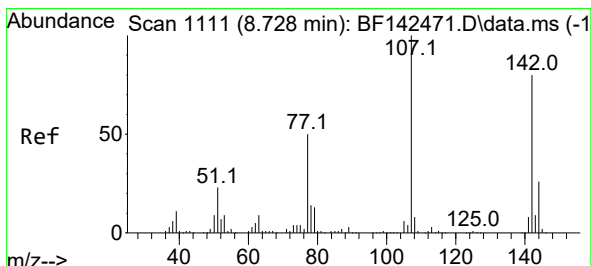
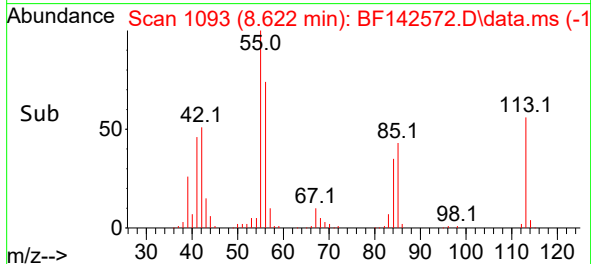
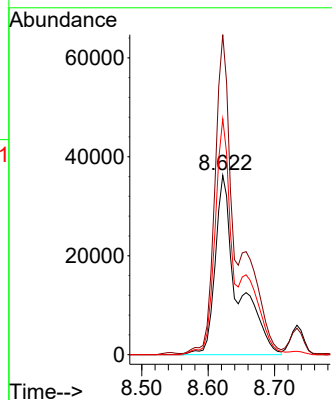
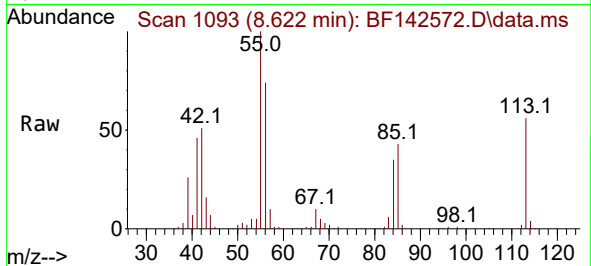




#35
Caprolactam
Concen: 47.347 ng m
RT: 8.622 min Scan# 1093
Delta R.T. -0.023 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

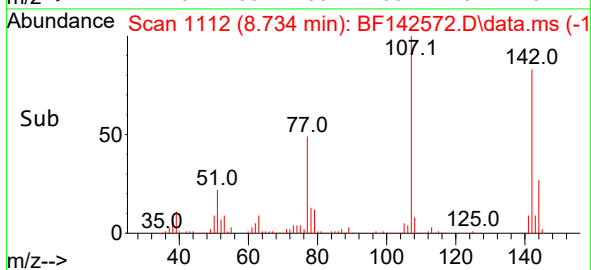
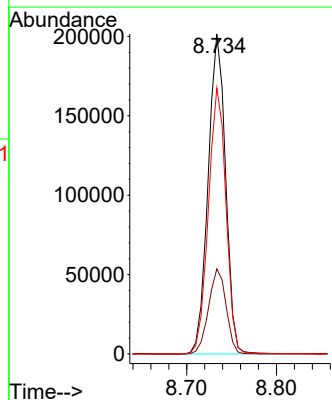
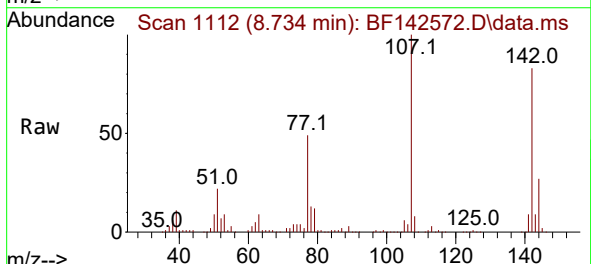
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

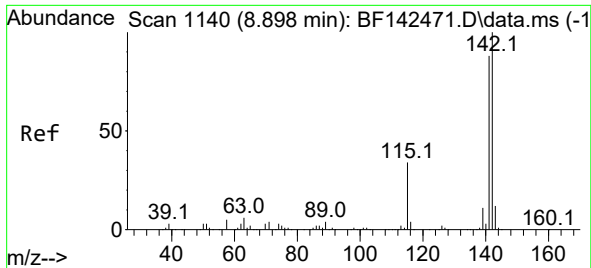
Tgt Ion:113 Resp: 85172
Ion Ratio Lower Upper
113 100
55 178.3 154.7 194.7
56 131.5 113.2 153.2



#36
4-Chloro-3-methylphenol
Concen: 41.445 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:107 Resp: 272050
Ion Ratio Lower Upper
107 100
144 26.6 20.9 31.3
142 83.1 64.2 96.2

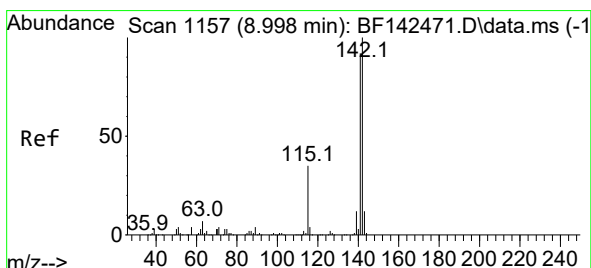
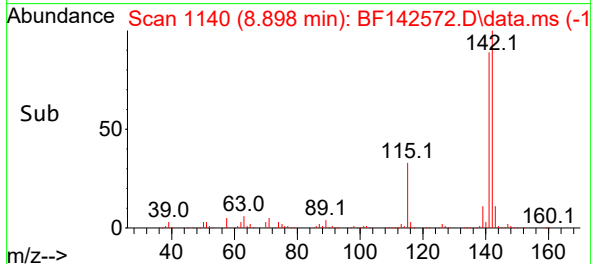
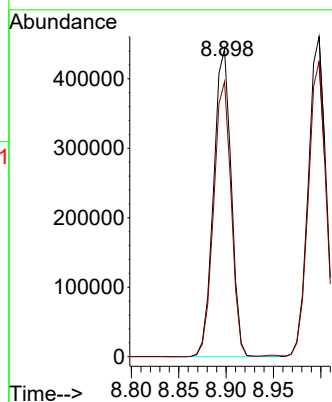
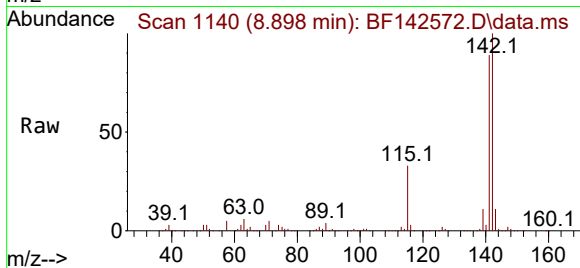




#37
2-Methylnaphthalene
Concen: 40.904 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

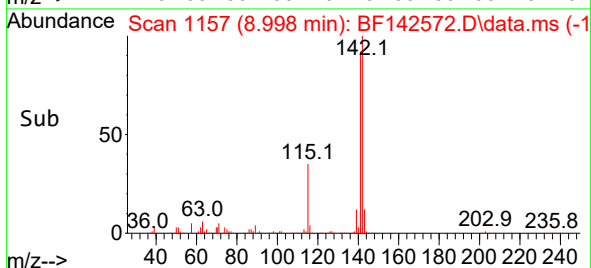
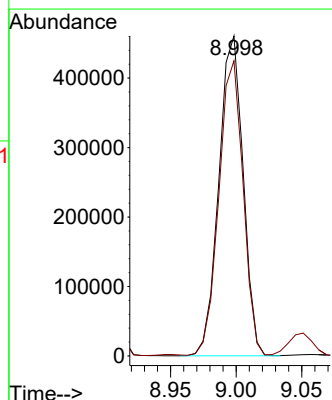
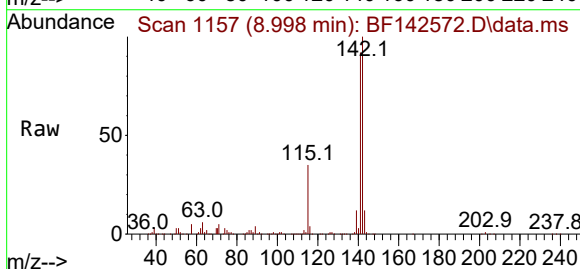
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

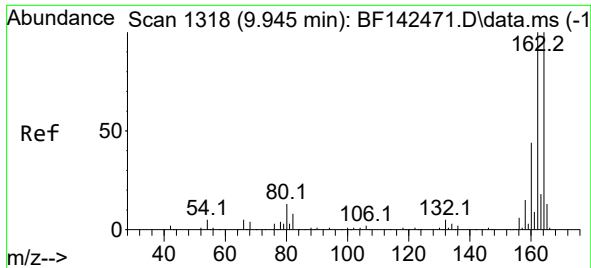
Tgt Ion:142 Resp: 572580
Ion Ratio Lower Upper
142 100
141 89.3 70.7 106.1



#38
1-Methylnaphthalene
Concen: 40.908 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:142 Resp: 592334
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

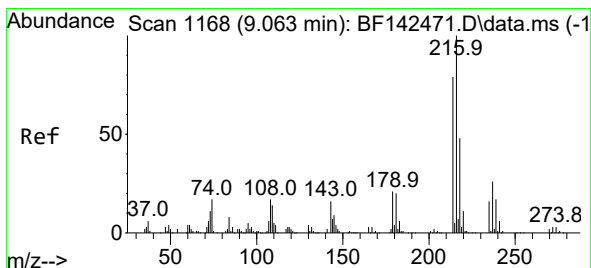
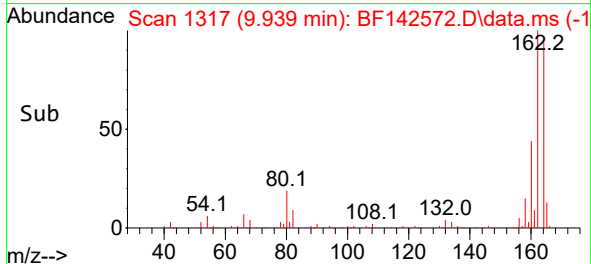
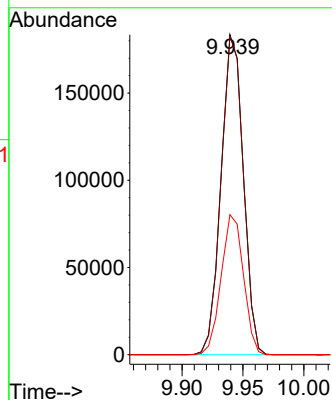
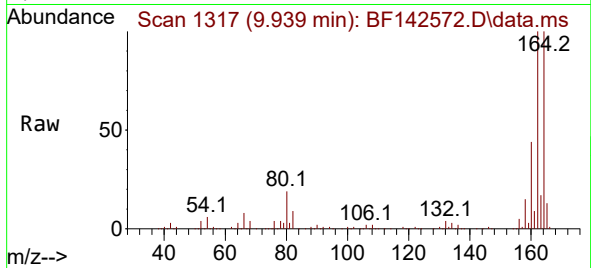
Tgt Ion:164 Resp: 233525

Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.4

160 43.7 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.113 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Tgt Ion:216 Resp: 295710

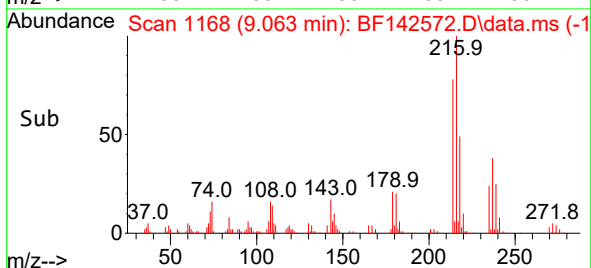
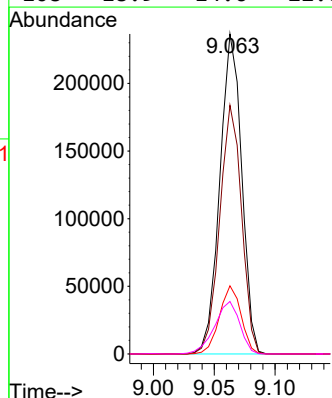
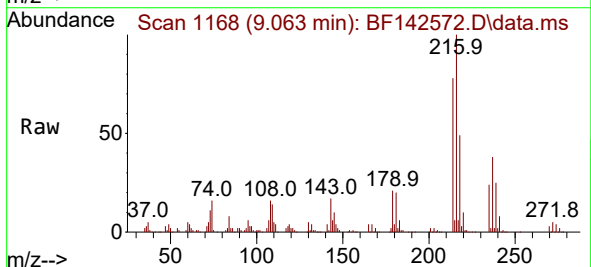
Ion Ratio Lower Upper

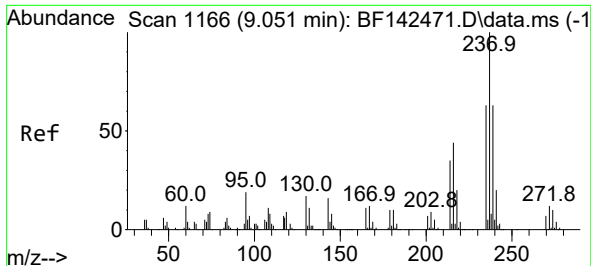
216 100

214 77.5 62.9 94.3

179 21.1 16.9 25.3

108 18.9 14.6 22.0

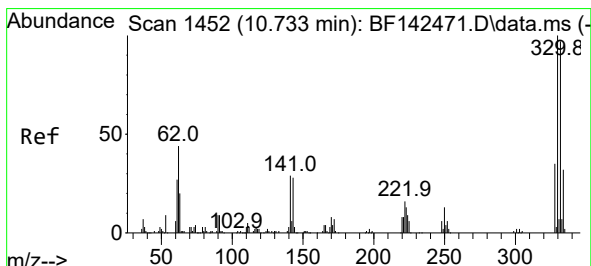
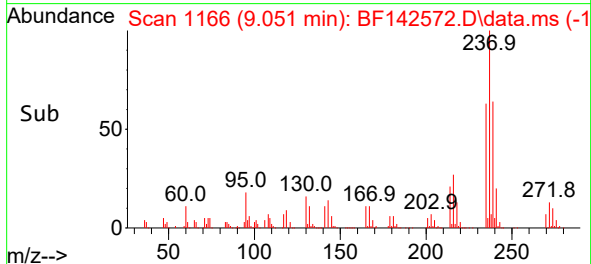
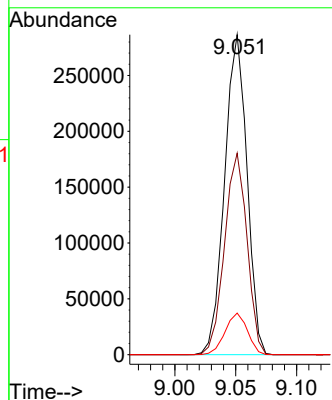
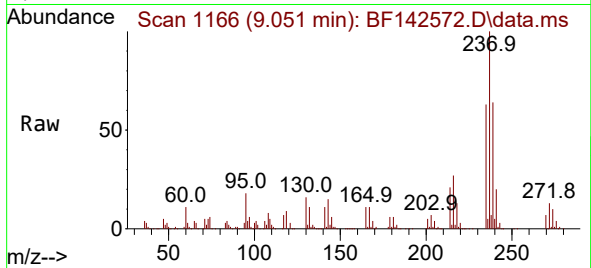




#41
Hexachlorocyclopentadiene
Concen: 81.167 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

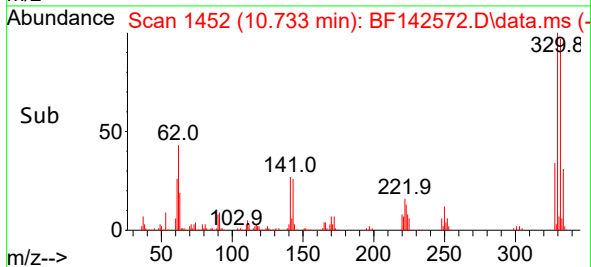
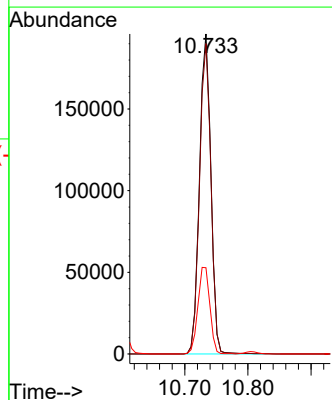
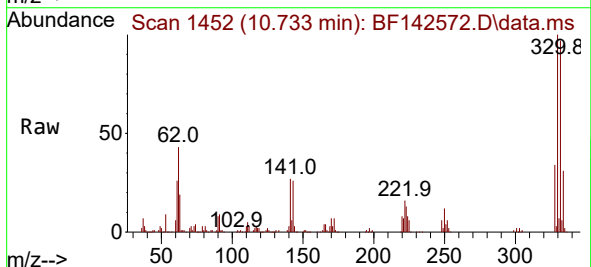
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Tgt Ion:237 Resp: 367045
Ion Ratio Lower Upper
237 100
235 62.9 43.3 83.3
272 13.0 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 94.646 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:330 Resp: 245306
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 28.4 24.6 36.8

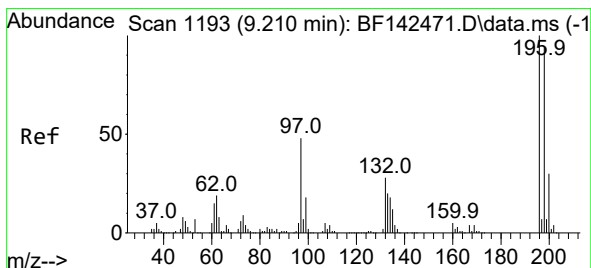
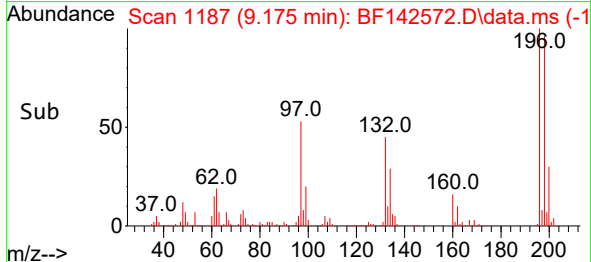
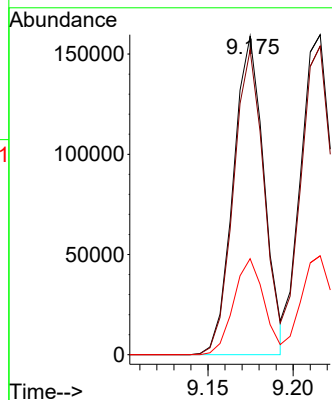
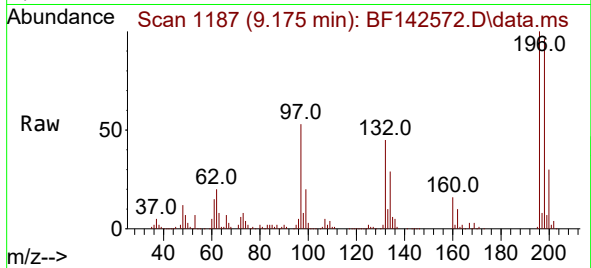




#43
 2,4,6-Trichlorophenol
 Concen: 44.106 ng
 RT: 9.175 min Scan# 1187
 Delta R.T. 0.000 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

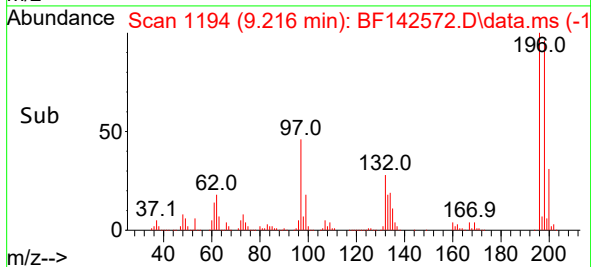
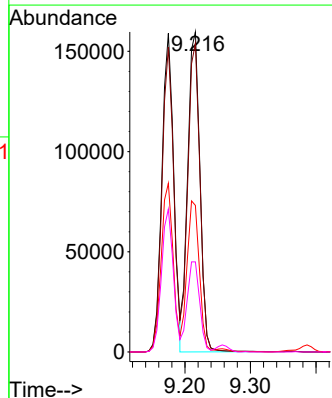
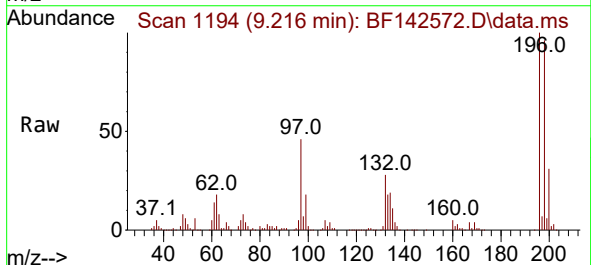
Instrument :
 BNA_F
 ClientSampleId :
 TP-54MSD

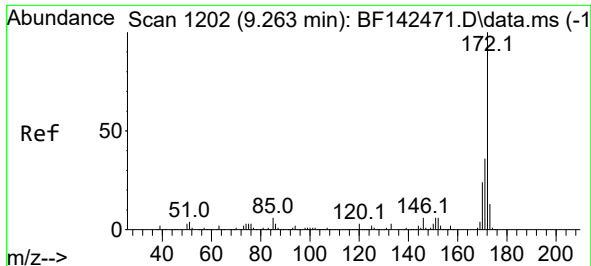
Tgt Ion:196 Resp: 199370
 Ion Ratio Lower Upper
 196 100
 198 95.7 78.8 118.2
 200 30.1 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 43.298 ng
 RT: 9.216 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

Tgt Ion:196 Resp: 206416
 Ion Ratio Lower Upper
 196 100
 198 96.4 75.5 113.3
 97 45.8 39.3 58.9
 132 28.2 23.3 34.9

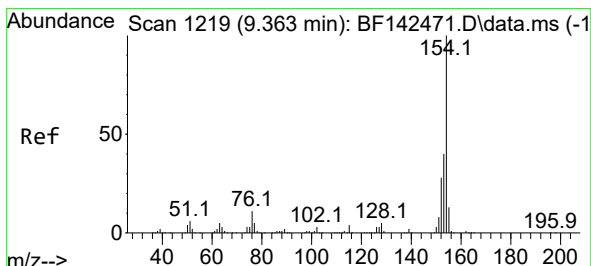
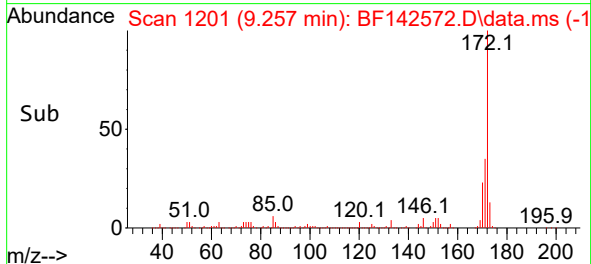
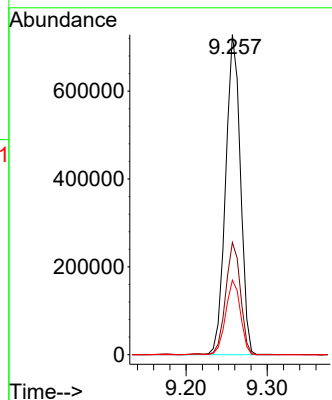
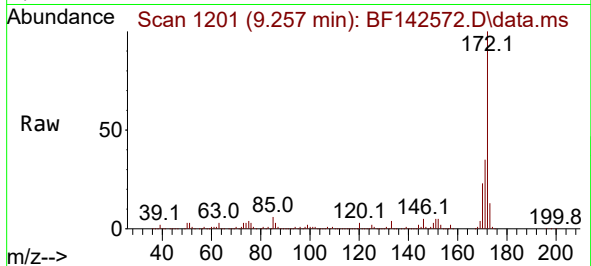




#45
2-Fluorobiphenyl
Concen: 53.091 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

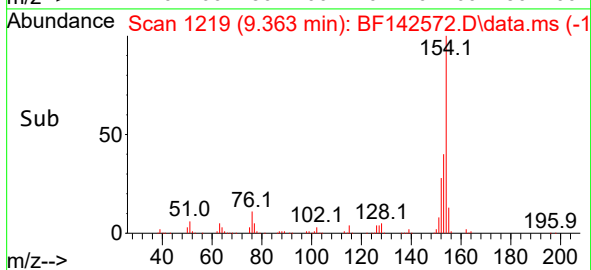
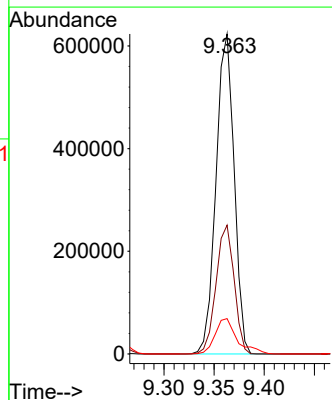
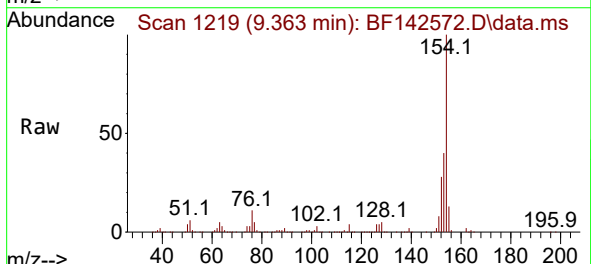
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

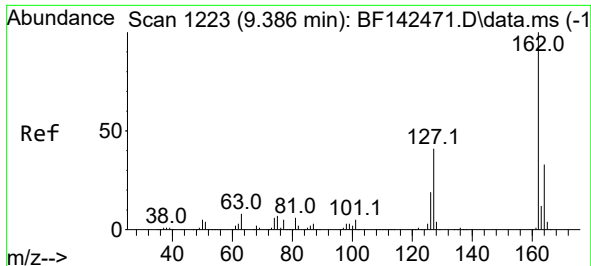
Tgt Ion:172 Resp: 923939
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.3 18.9 28.3



#46
1,1'-Biphenyl
Concen: 43.175 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:154 Resp: 782223
Ion Ratio Lower Upper
154 100
153 40.2 20.4 60.4
76 11.0 0.0 30.8





#47

2-Chloronaphthalene

Concen: 43.368 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

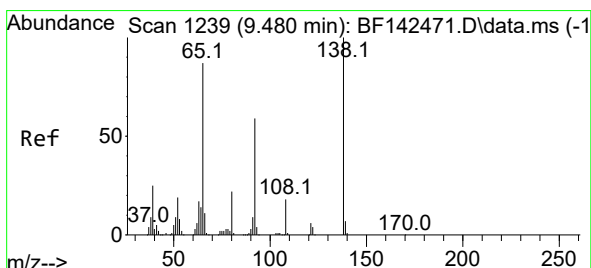
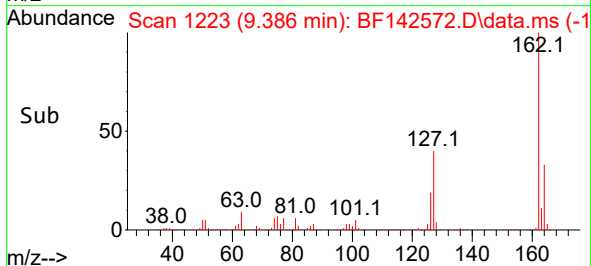
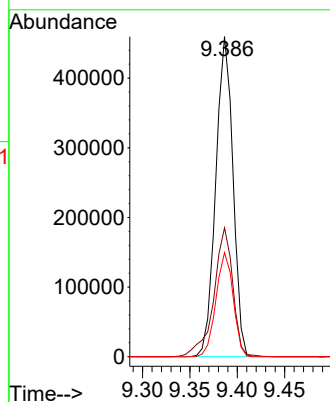
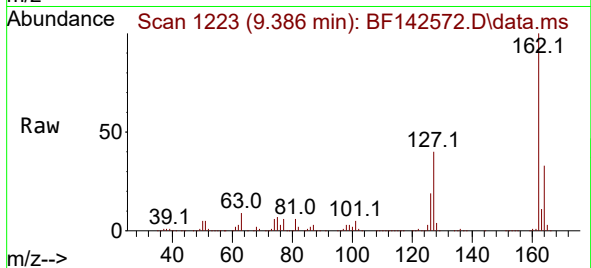
Tgt Ion:162 Resp: 580508

Ion Ratio Lower Upper

162 100

127 40.3 33.5 50.3

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 43.777 ng

RT: 9.481 min Scan# 1239

Delta R.T. -0.005 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

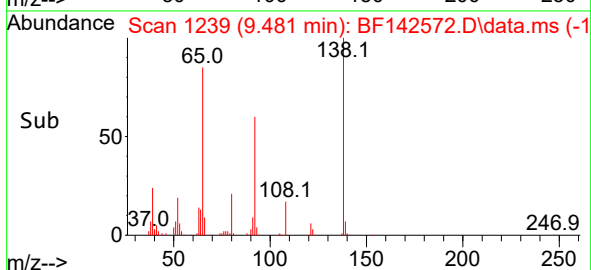
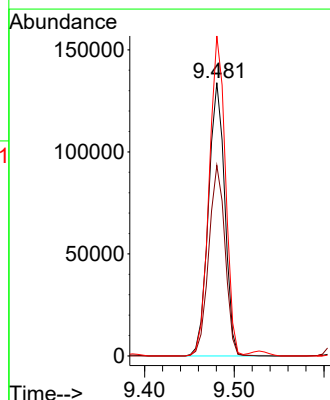
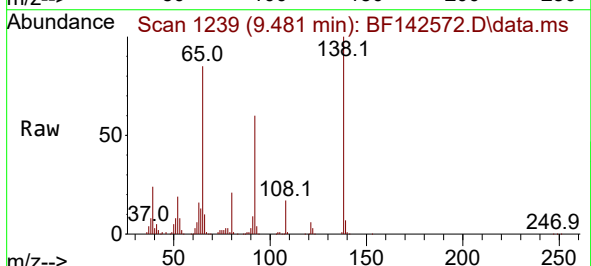
Tgt Ion: 65 Resp: 169375

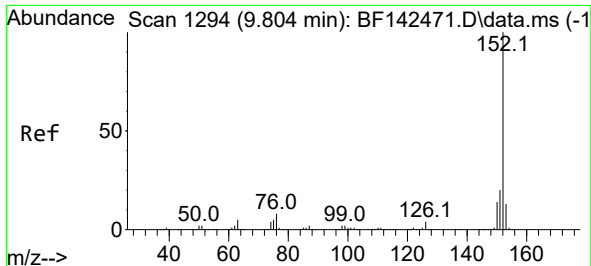
Ion Ratio Lower Upper

65 100

92 69.8 54.4 81.6

138 117.1 91.4 137.2





#49

Acenaphthylene

Concen: 42.755 ng

RT: 9.804 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

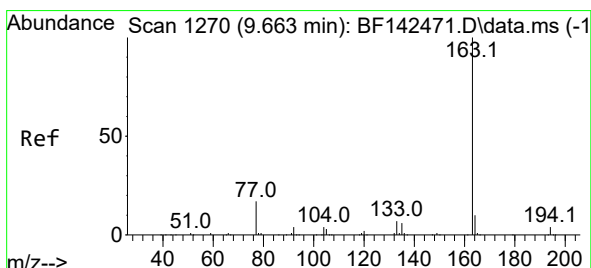
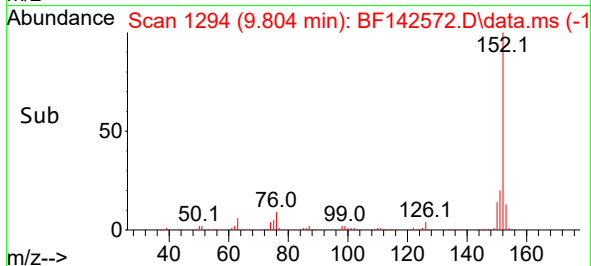
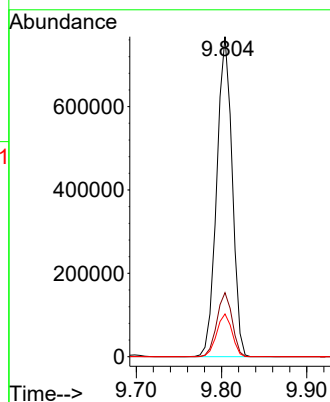
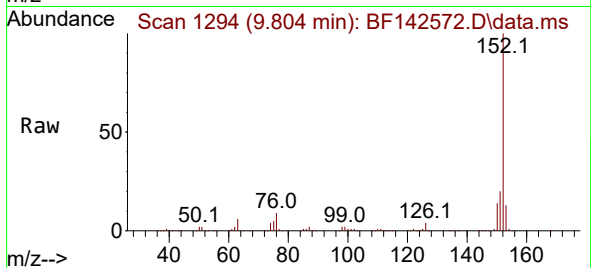
Tgt Ion:152 Resp: 966376

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 43.054 ng

RT: 9.663 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

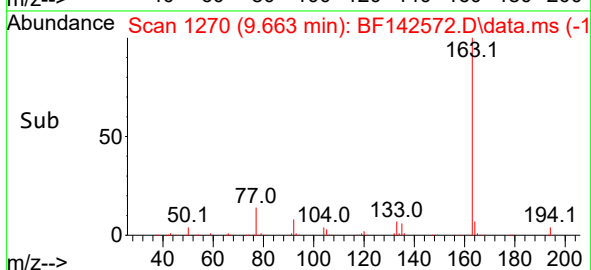
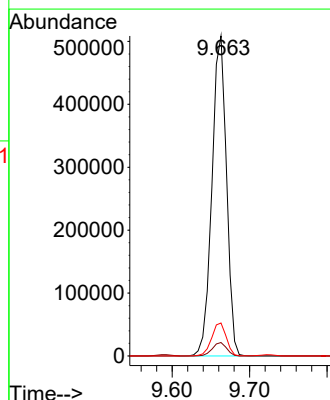
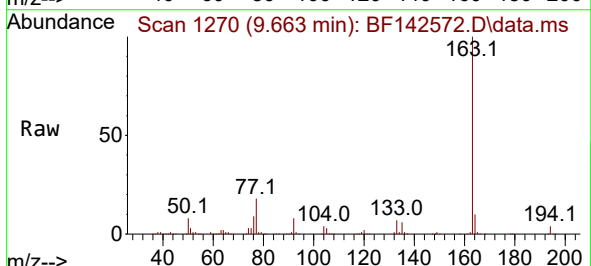
Tgt Ion:163 Resp: 663411

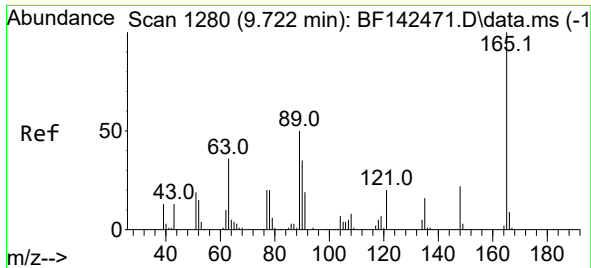
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.3 8.2 12.4

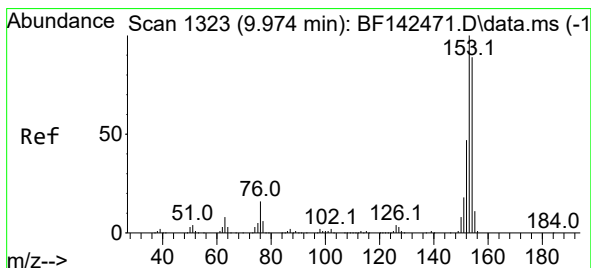
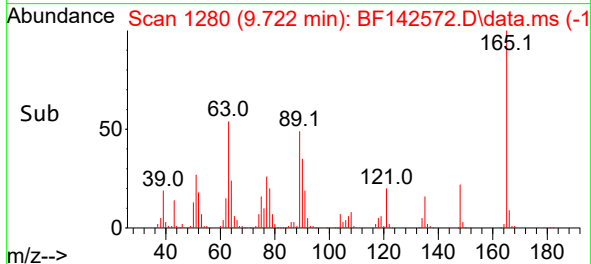
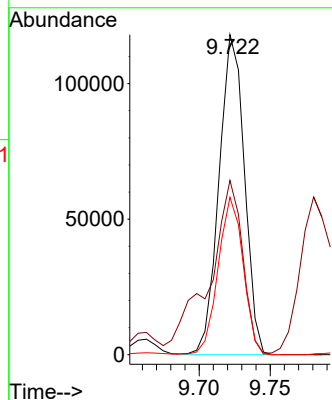
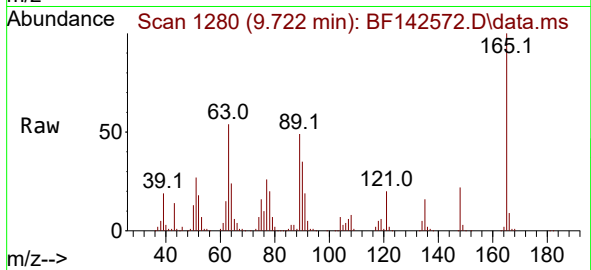




#51
2,6-Dinitrotoluene
Concen: 44.081 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

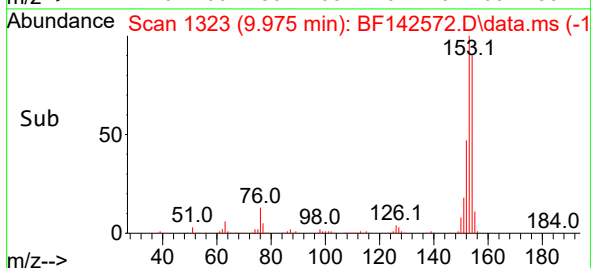
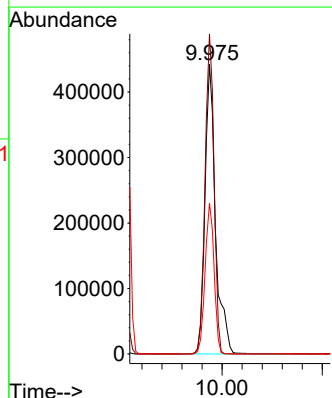
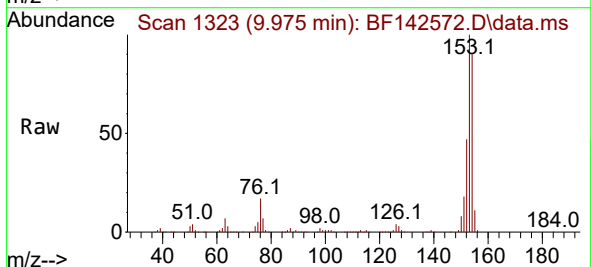
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

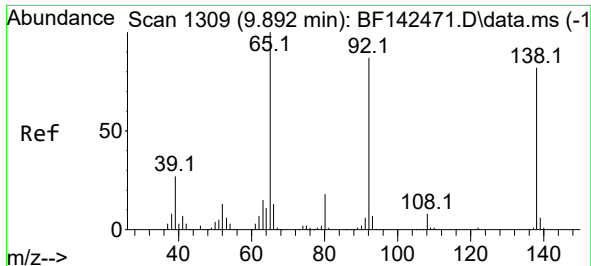
Tgt Ion:165 Resp: 146601
Ion Ratio Lower Upper
165 100
63 54.5 42.9 64.3
89 49.1 40.2 60.4



#52
Acenaphthene
Concen: 46.885 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:154 Resp: 647101
Ion Ratio Lower Upper
154 100
153 110.5 90.0 135.0
152 52.0 42.6 64.0

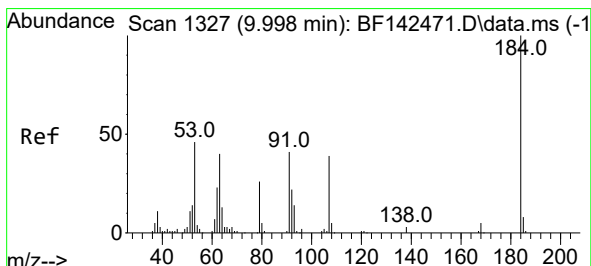
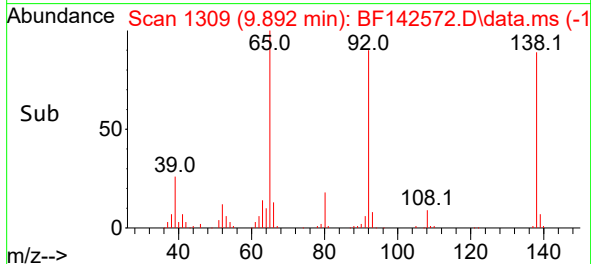
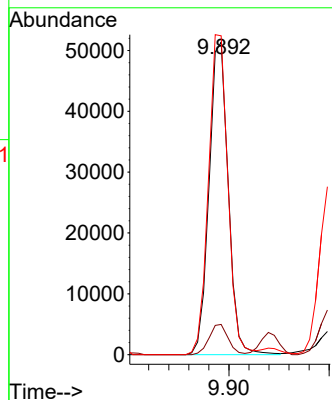
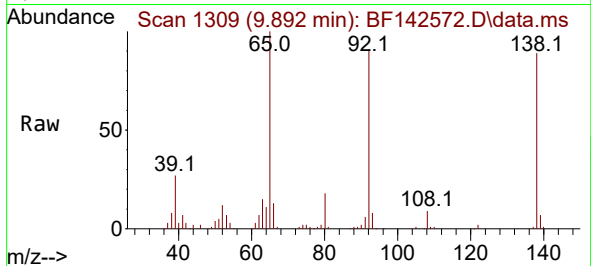




#53
3-Nitroaniline
Concen: 18.800 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

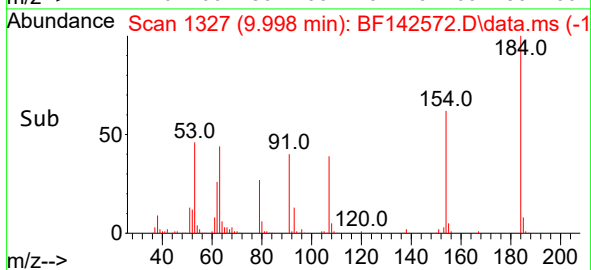
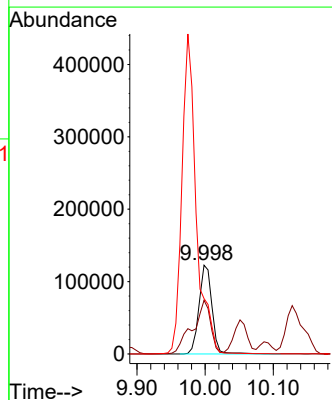
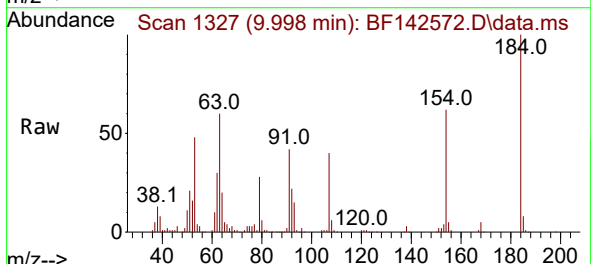
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

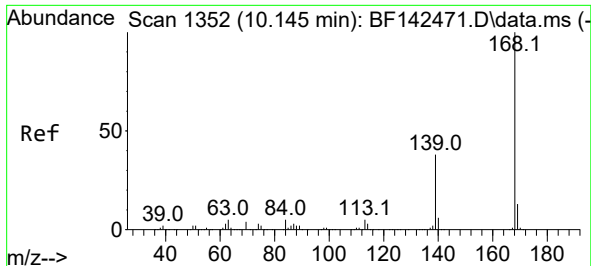
Tgt Ion:138 Resp: 68290
Ion Ratio Lower Upper
138 100
108 9.7 8.1 12.1
92 102.0 85.2 127.8



#54
2,4-Dinitrophenol
Concen: 94.494 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:184 Resp: 162358
Ion Ratio Lower Upper
184 100
63 60.4 46.3 69.5
154 62.4 56.8 85.2

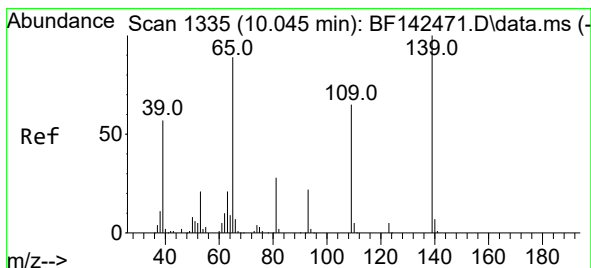
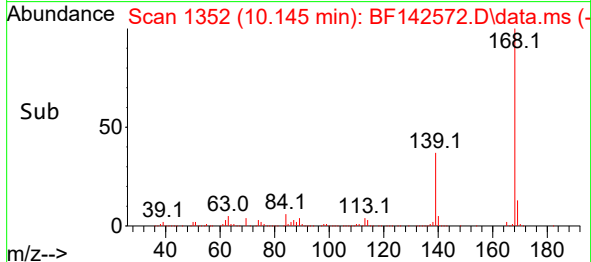
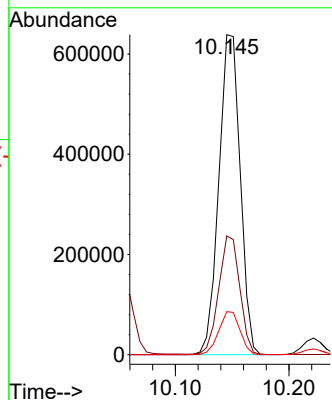
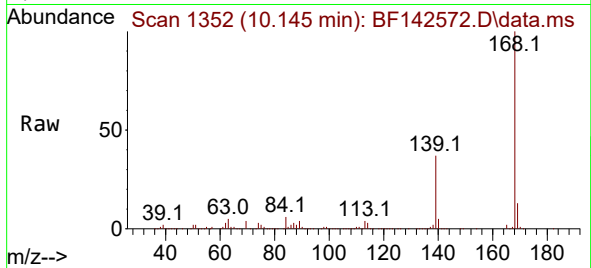




#55
Dibenzofuran
Concen: 42.078 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

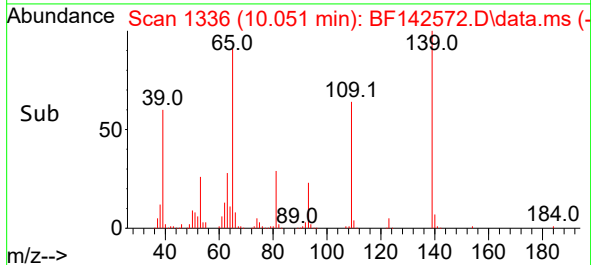
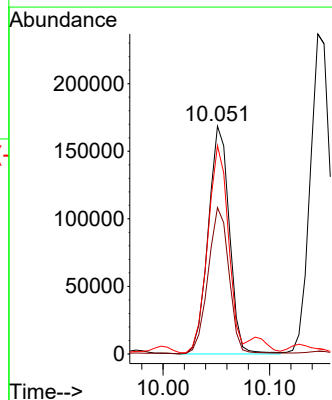
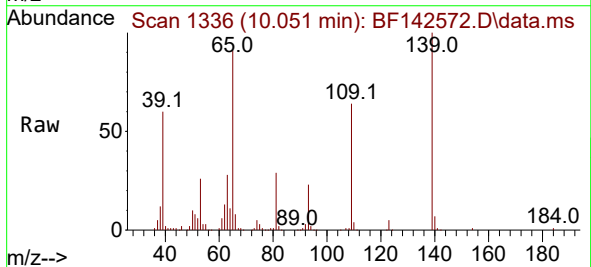
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

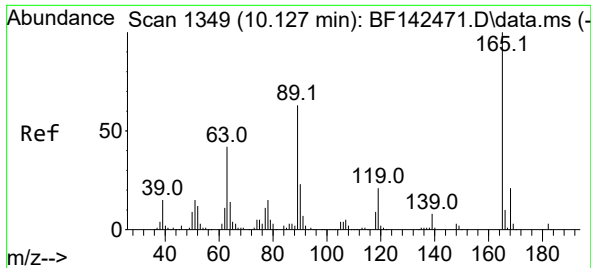
Tgt Ion:168 Resp: 835708
Ion Ratio Lower Upper
168 100
139 37.1 30.2 45.2
169 13.5 10.7 16.1



#56
4-Nitrophenol
Concen: 86.705 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:139 Resp: 232388
Ion Ratio Lower Upper
139 100
109 64.2 45.1 85.1
65 91.4 69.7 109.7

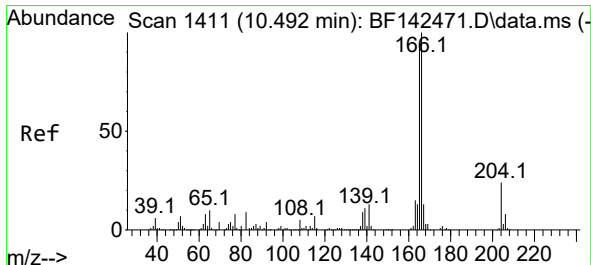
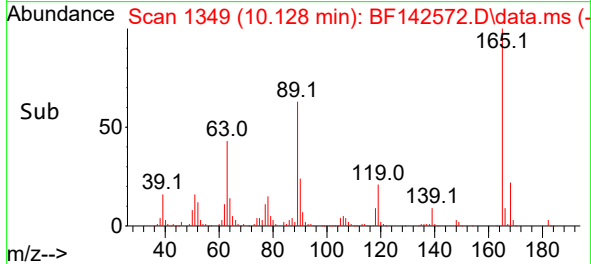
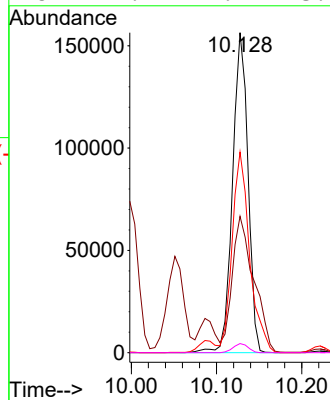
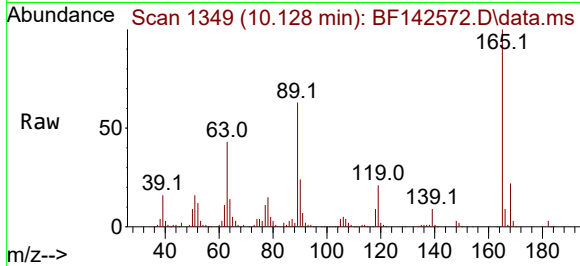




#57
2,4-Dinitrotoluene
Concen: 45.268 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

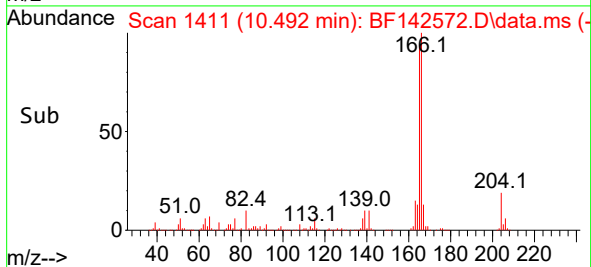
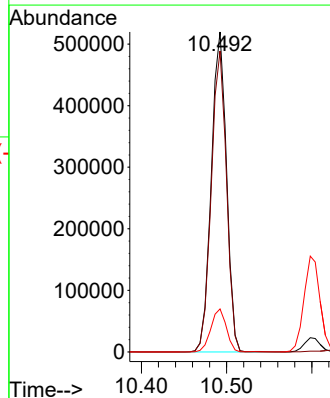
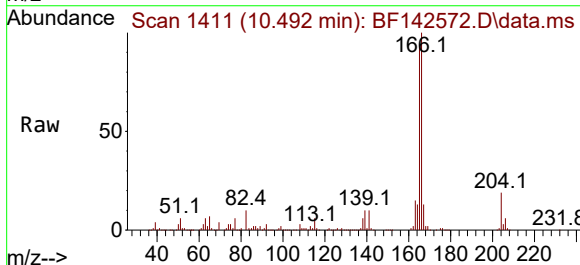
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

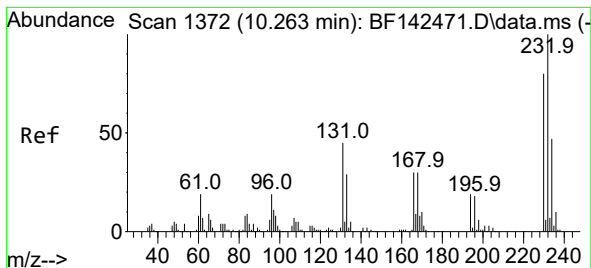
Tgt Ion:165 Resp: 196609
Ion Ratio Lower Upper
165 100
63 42.6 33.6 50.4
89 62.7 50.2 75.4
182 2.9 2.2 3.4



#58
Fluorene
Concen: 42.019 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:166 Resp: 644728
Ion Ratio Lower Upper
166 100
165 94.1 75.8 113.8
167 13.5 10.6 16.0

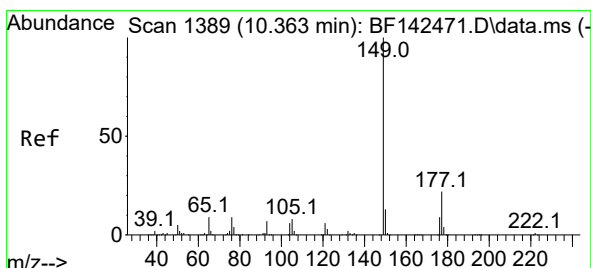
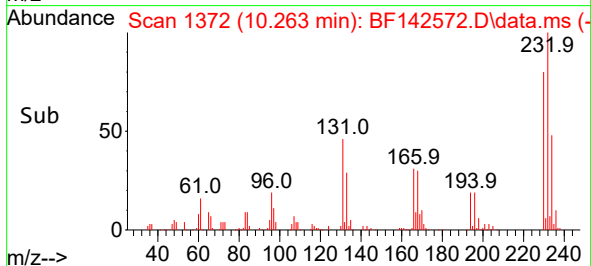
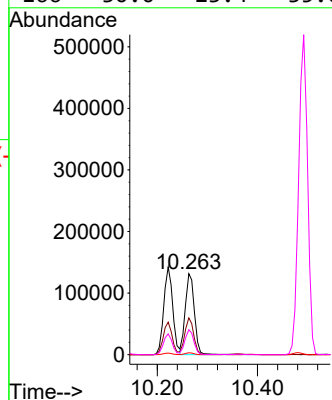
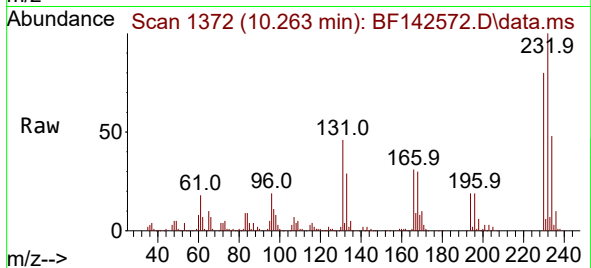




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.881 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

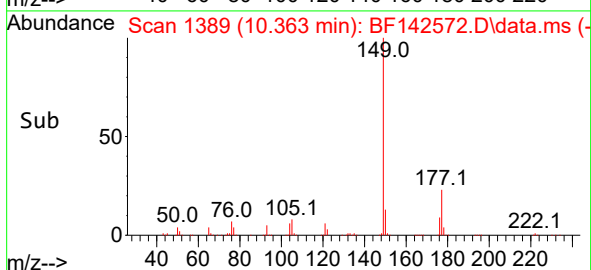
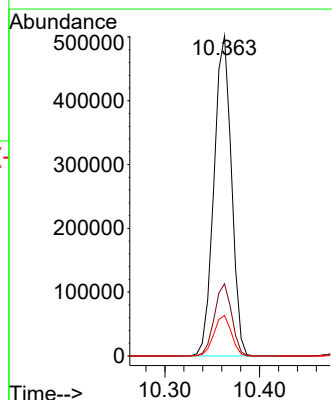
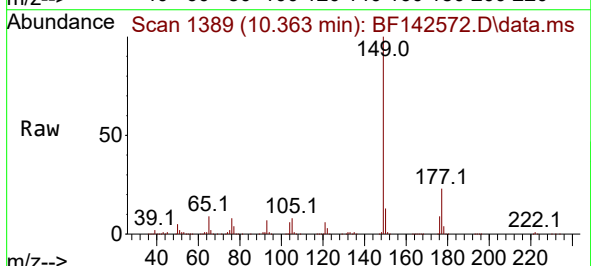
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

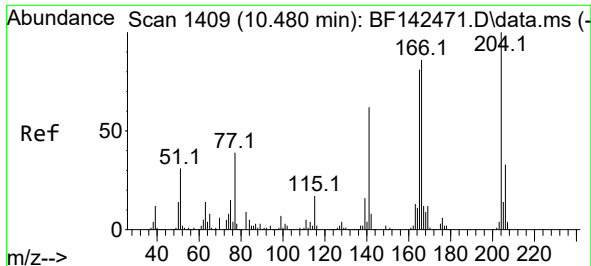
Tgt Ion:232 Resp: 166679
Ion Ratio Lower Upper
232 100
131 45.1 35.2 52.8
130 2.2 1.7 2.5
166 30.0 23.4 35.0



#60
Diethylphthalate
Concen: 42.860 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:149 Resp: 645000
Ion Ratio Lower Upper
149 100
177 22.6 17.6 26.4
150 12.7 10.1 15.1

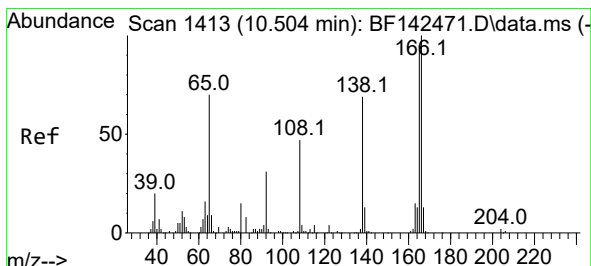
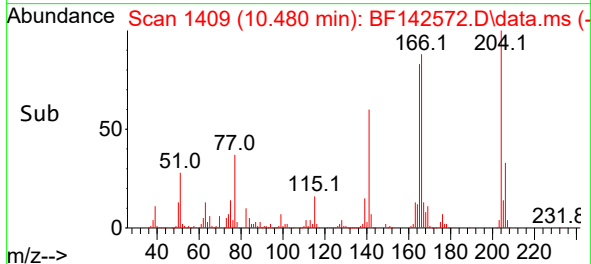
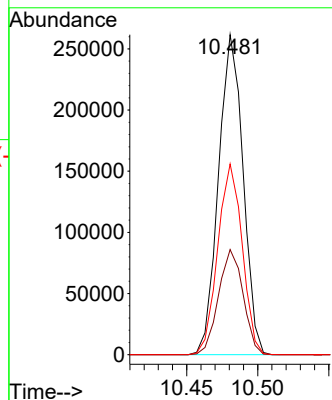
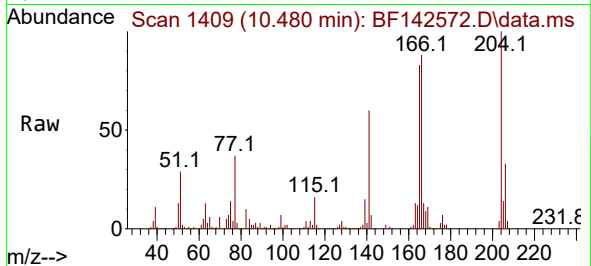




#61
4-Chlorophenyl-phenylether
Concen: 41.734 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

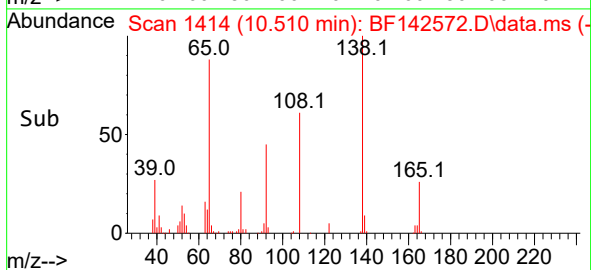
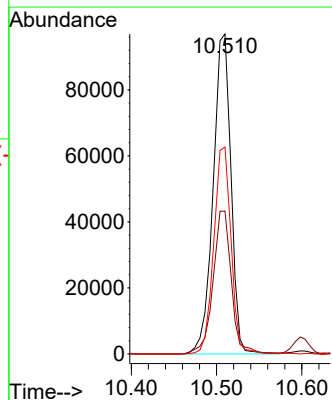
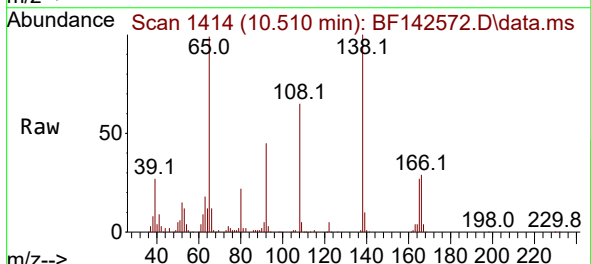
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

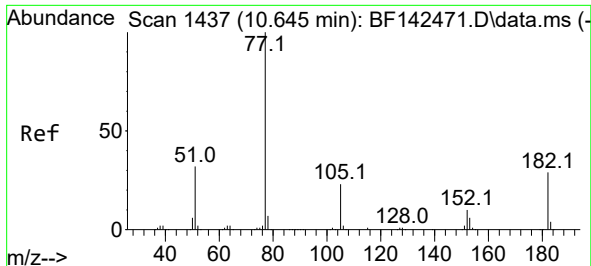
Tgt Ion:204 Resp: 314568
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 59.6 49.5 74.3



#62
4-Nitroaniline
Concen: 42.830 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:138 Resp: 141101
Ion Ratio Lower Upper
138 100
92 44.6 26.0 66.0
108 64.7 48.4 88.4

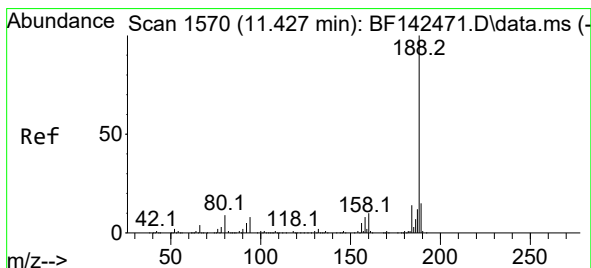
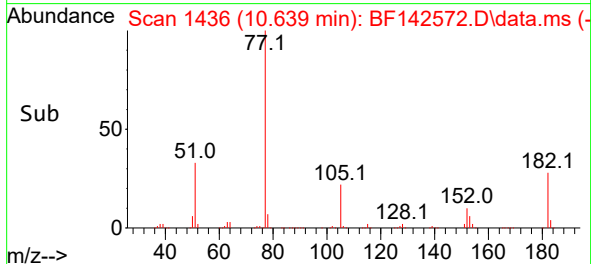
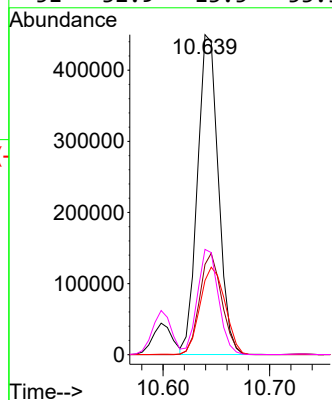
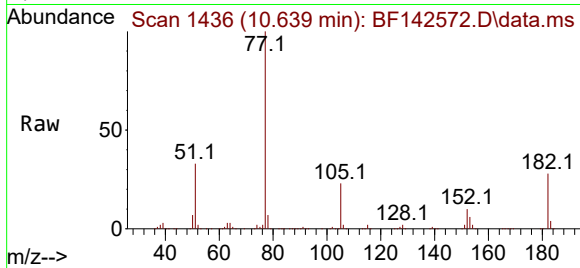




#63
Azobenzene
Concen: 45.384 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

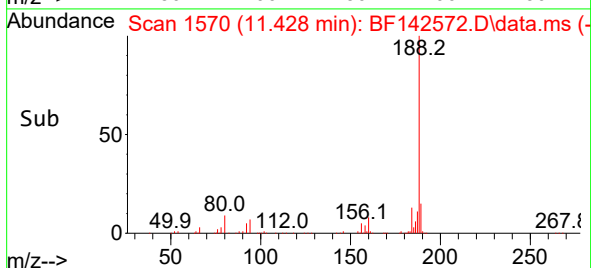
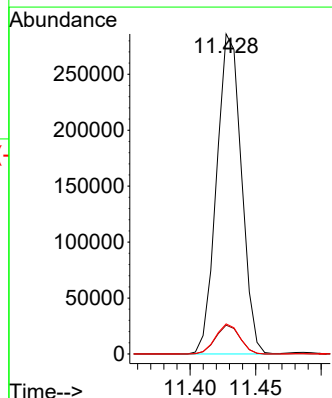
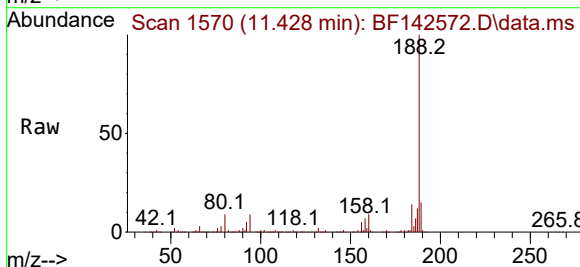
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

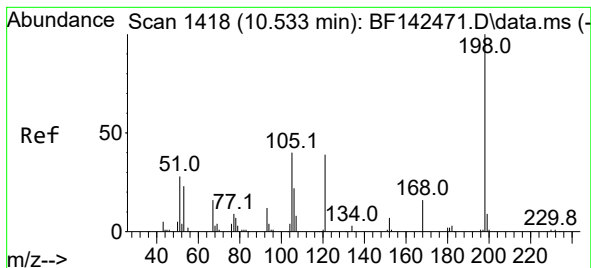
Tgt Ion: 77	Resp: 613439
Ion Ratio	Lower Upper
77 100	
182 28.2	9.0 49.0
105 23.2	2.4 42.4
51 32.9	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:188	Resp: 376587
Ion Ratio	Lower Upper
188 100	
94 9.0	6.6 10.0
80 9.4	7.4 11.0

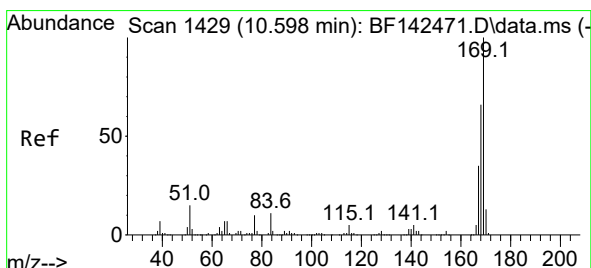
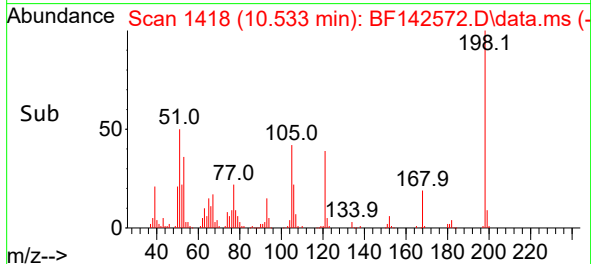
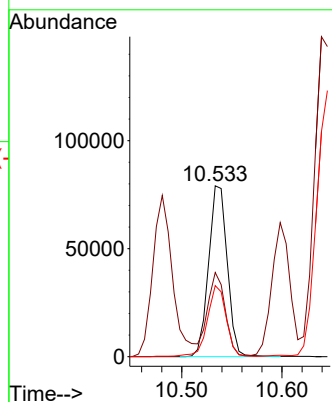
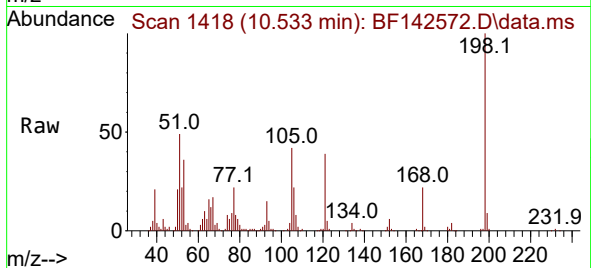




#65
4,6-Dinitro-2-methylphenol
Concen: 48.726 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

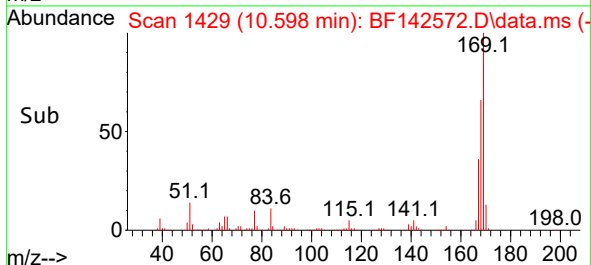
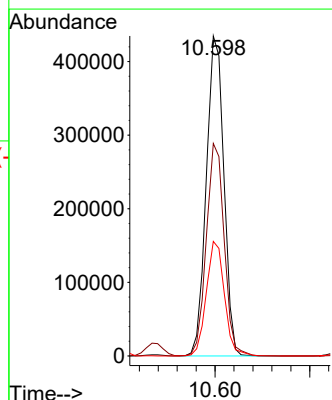
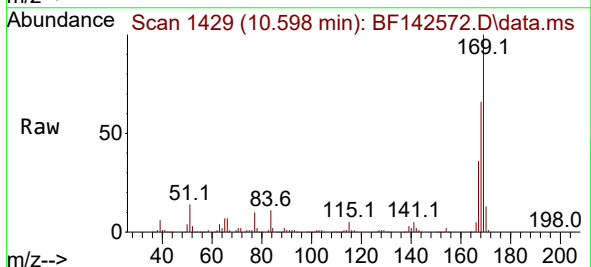
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

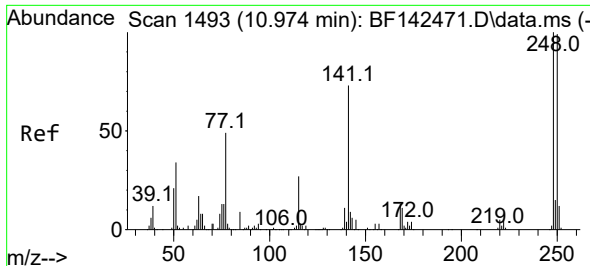
Tgt Ion:198 Resp: 102404
Ion Ratio Lower Upper
198 100
51 49.3 28.3 68.3
105 41.6 21.3 61.3



#66
n-Nitrosodiphenylamine
Concen: 43.324 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:169 Resp: 558179
Ion Ratio Lower Upper
169 100
168 66.4 52.7 79.1
167 35.8 28.3 42.5

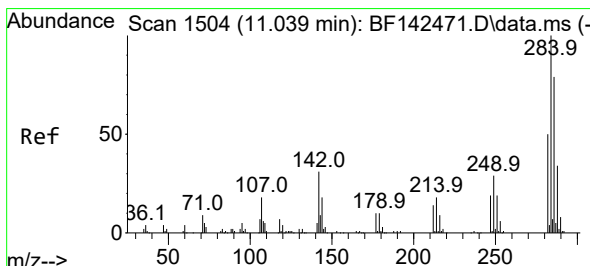
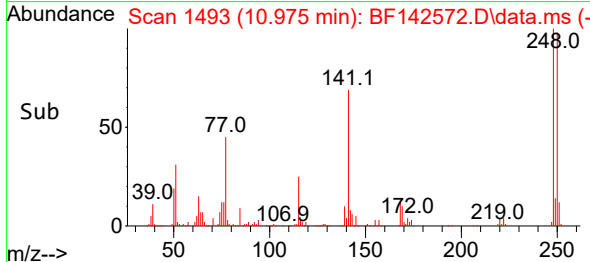
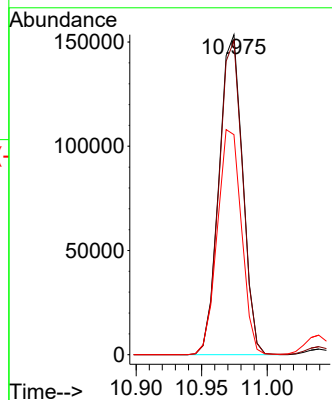
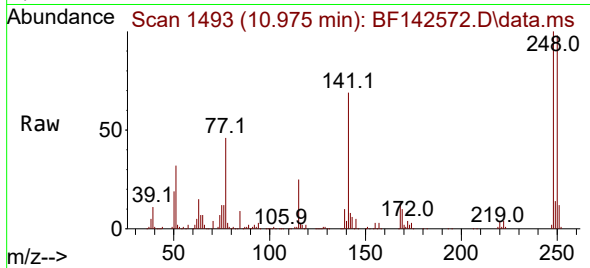




#67
4-Bromophenyl-phenylether
Concen: 43.235 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

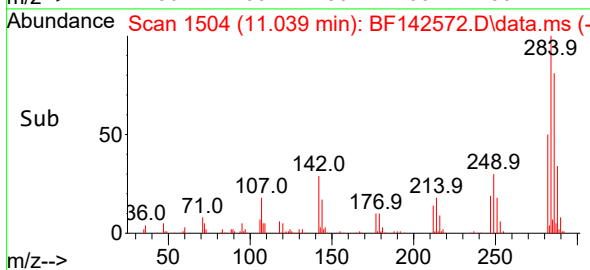
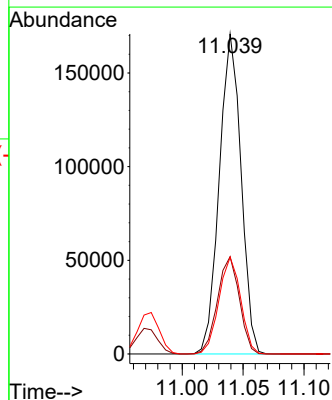
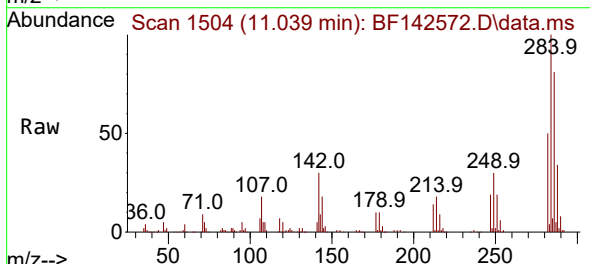
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

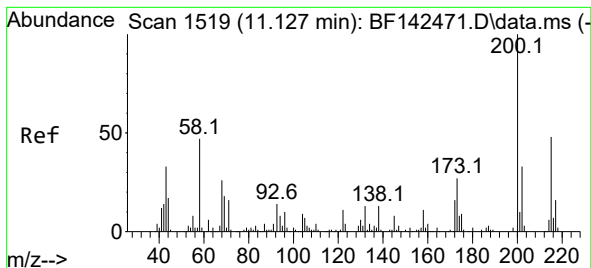
Tgt Ion:248 Resp: 192522
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.4
141 68.8 58.4 87.6



#68
Hexachlorobenzene
Concen: 43.073 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:284 Resp: 212135
Ion Ratio Lower Upper
284 100
142 30.4 24.8 37.2
249 30.2 23.6 35.4





#69

Atrazine

Concen: 48.648 ng

RT: 11.128 min Scan# 1

Delta R.T. 0.001 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

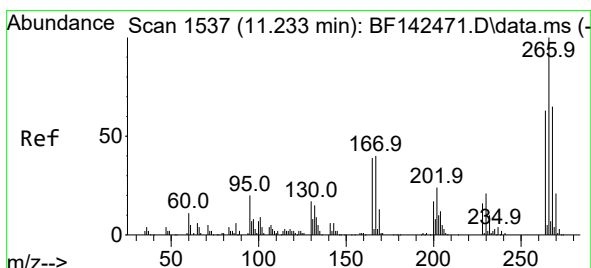
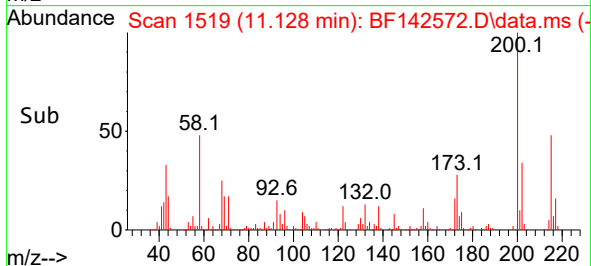
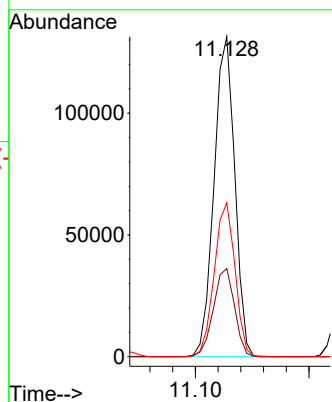
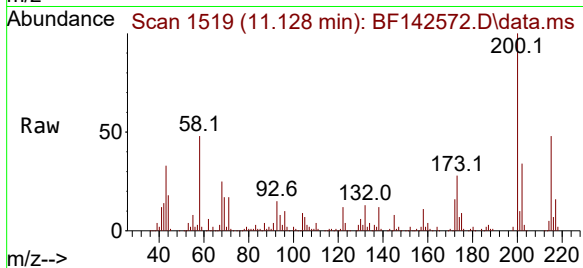
Tgt Ion:200 Resp: 166454

Ion Ratio Lower Upper

200 100

173 27.6 7.4 47.4

215 48.1 28.5 68.5



#70

Pentachlorophenol

Concen: 84.922 ng

RT: 11.233 min Scan# 1537

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

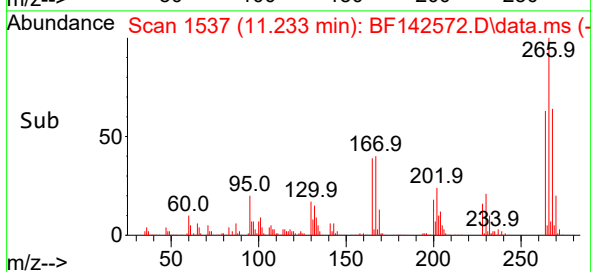
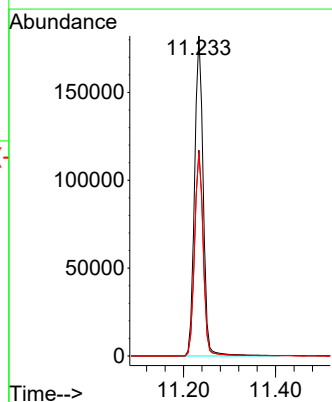
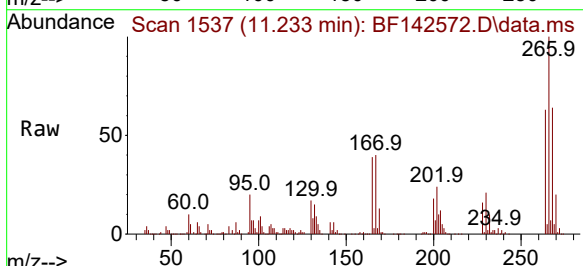
Tgt Ion:266 Resp: 236131

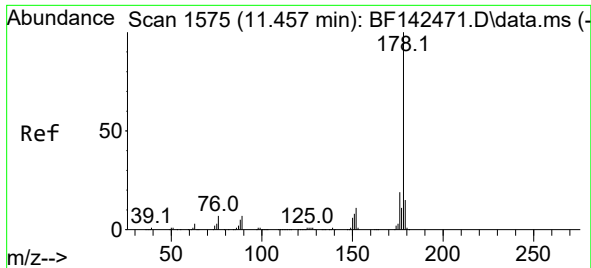
Ion Ratio Lower Upper

266 100

268 64.3 51.7 77.5

264 63.5 50.4 75.6

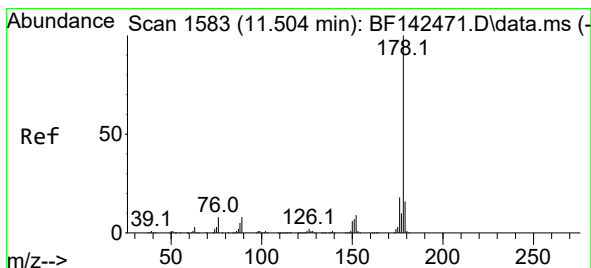
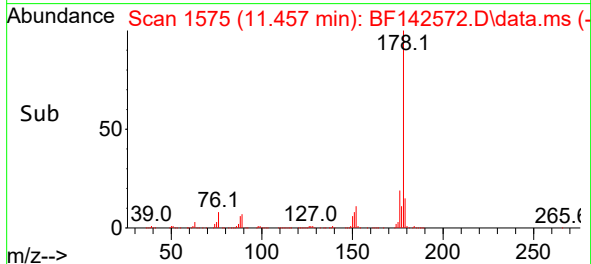
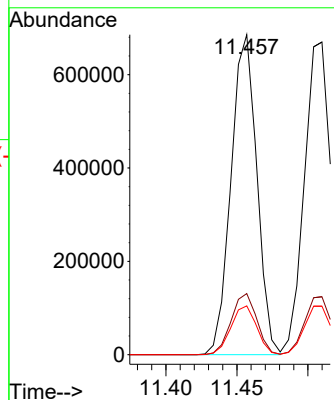
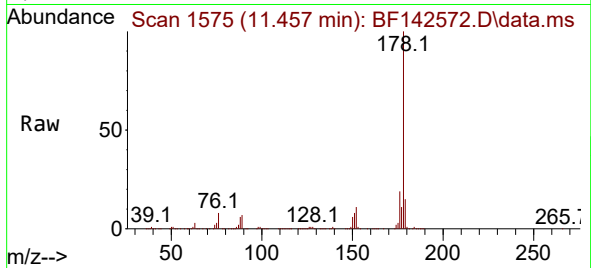




#71
Phenanthrene
Concen: 43.057 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

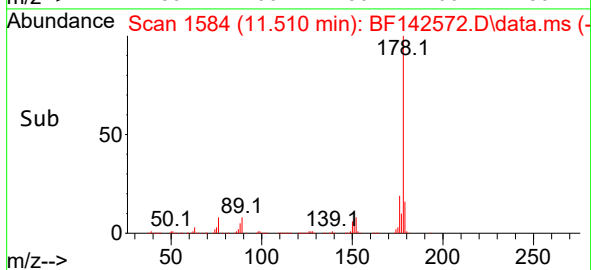
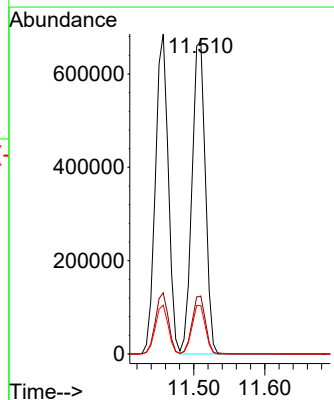
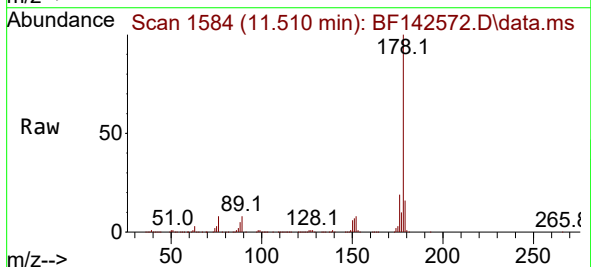
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

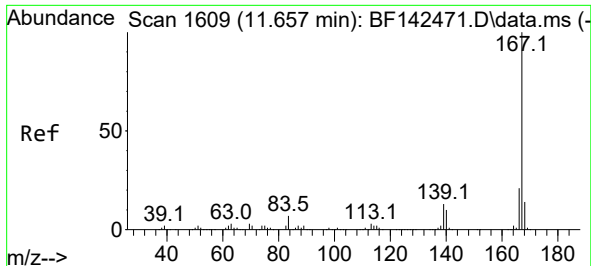
Tgt Ion:178 Resp: 866540
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.3 18.5



#72
Anthracene
Concen: 42.653 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:178 Resp: 876073
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.5 12.4 18.6

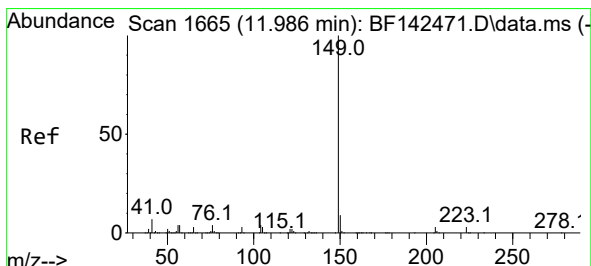
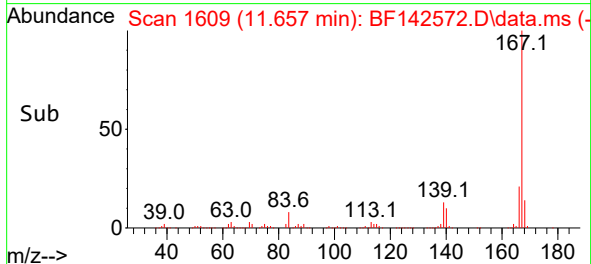
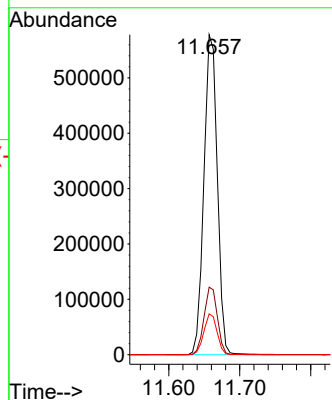
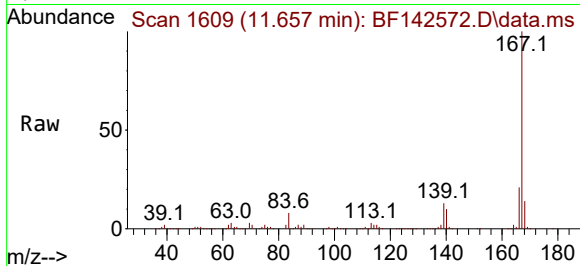




#73
 Carbazole
 Concen: 43.312 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

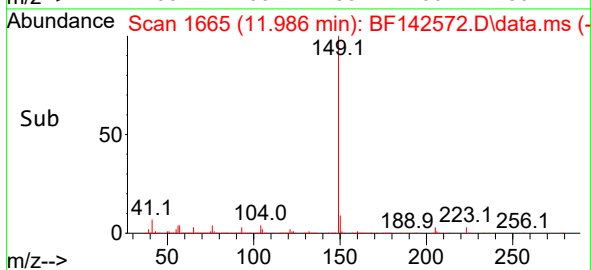
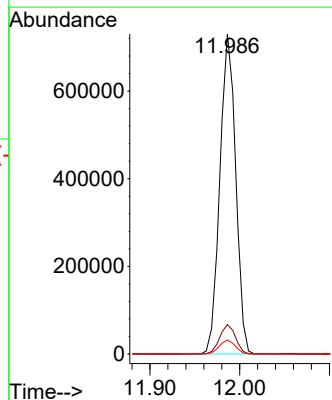
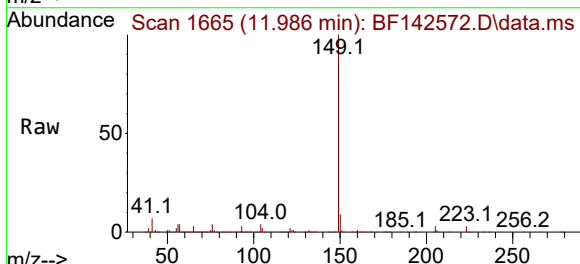
Instrument :
 BNA_F
 ClientSampleId :
 TP-54MSD

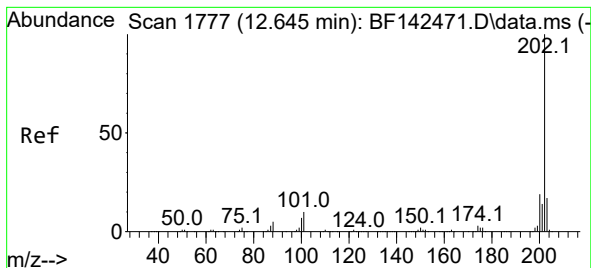
Tgt Ion:167 Resp: 760532
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.9 25.3
 139 12.7 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 46.565 ng
 RT: 11.986 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

Tgt Ion:149 Resp: 894989
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.4 3.6 5.4





#75

Fluoranthene

Concen: 41.635 ng

RT: 12.645 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

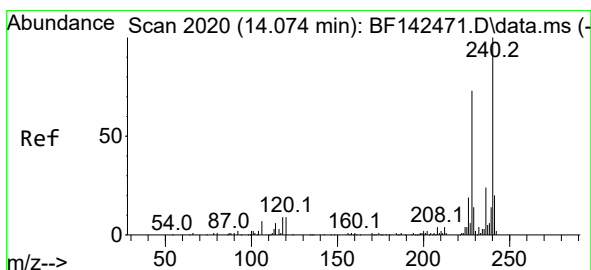
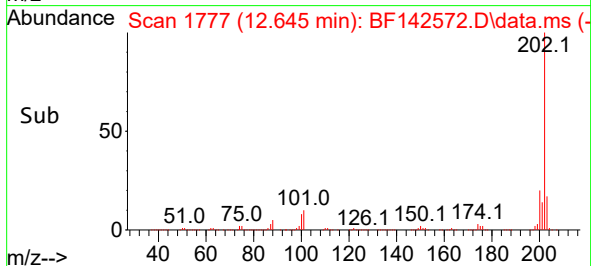
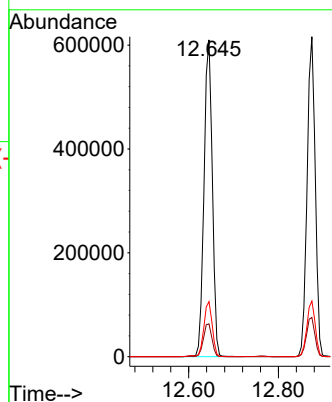
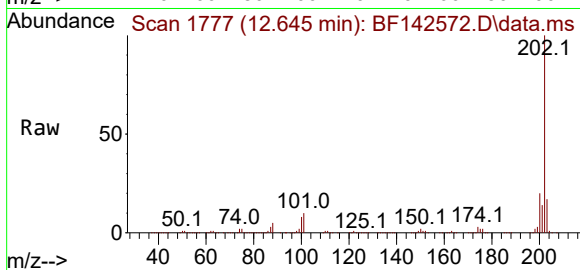
Tgt Ion:202 Resp: 782953

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.6

203 17.4 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

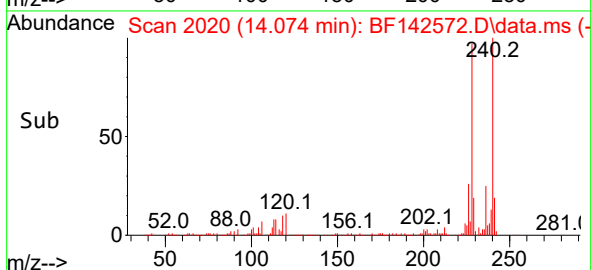
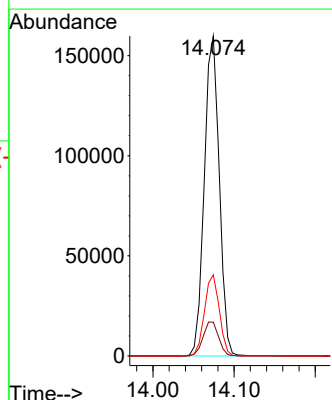
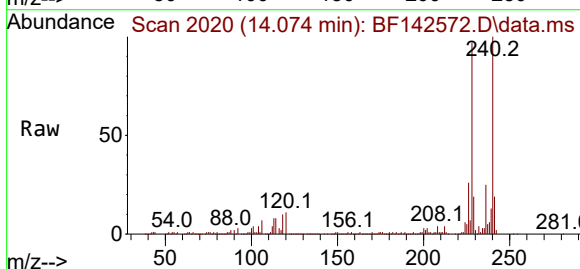
Tgt Ion:240 Resp: 204232

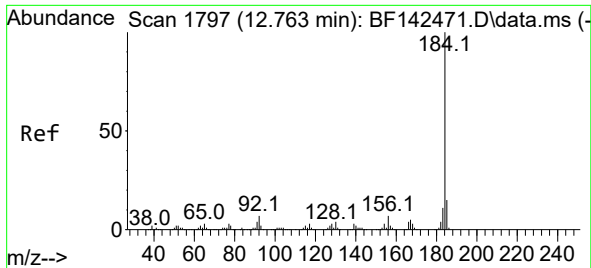
Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.3 19.6 29.4

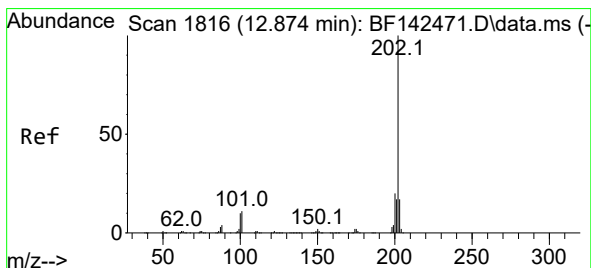
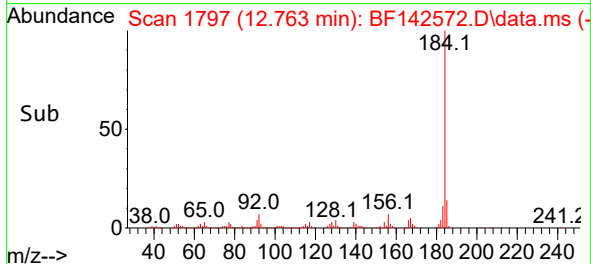
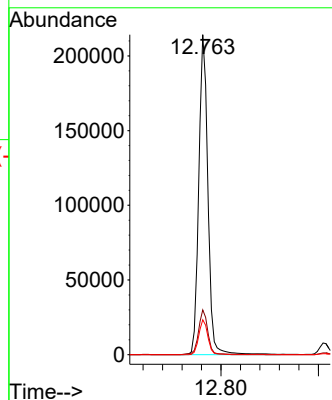
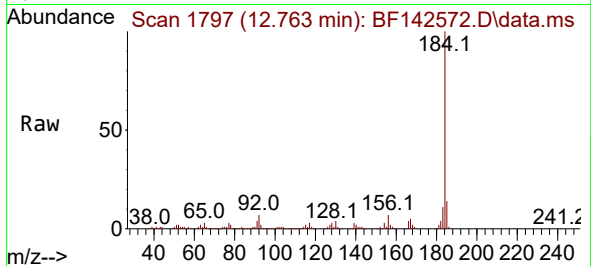




#77
Benzidine
Concen: 36.824 ng
RT: 12.763 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

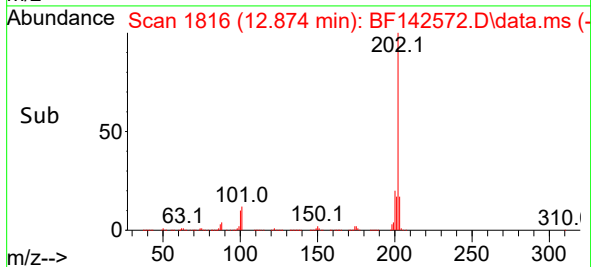
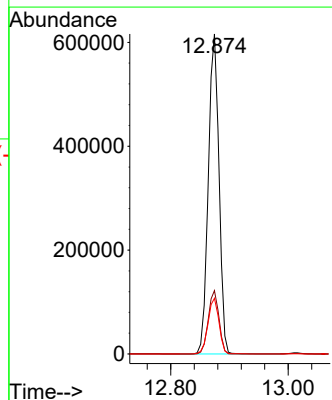
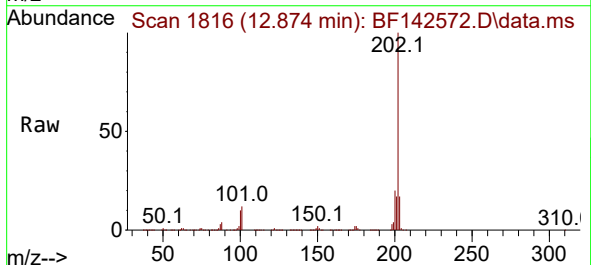
Instrument :
BNA_F
ClientSampleId :
TP-54MSD

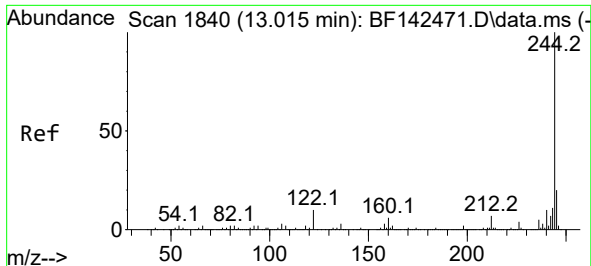
Tgt Ion:184 Resp: 279867
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 10.9 9.0 13.4



#78
Pyrene
Concen: 40.824 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:202 Resp: 777772
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.4 13.9 20.9

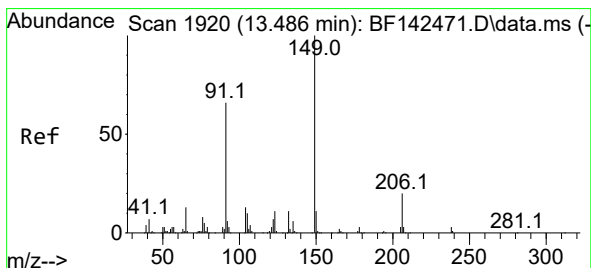
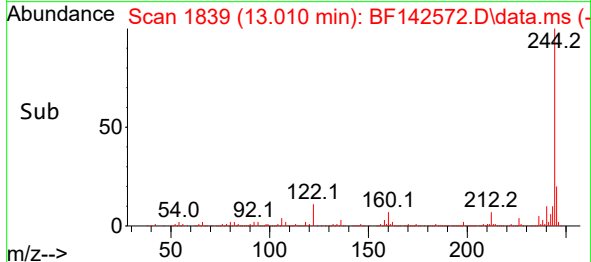
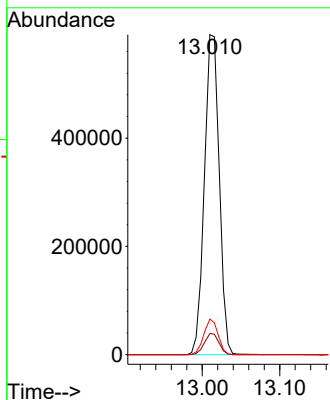
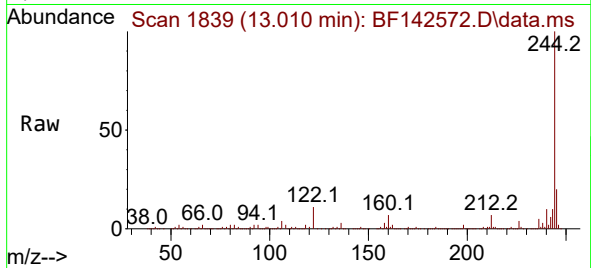




#79
 Terphenyl-d14
 Concen: 52.665 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

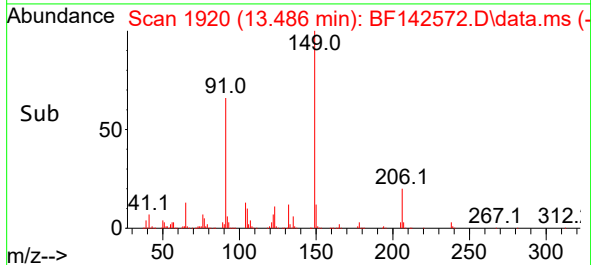
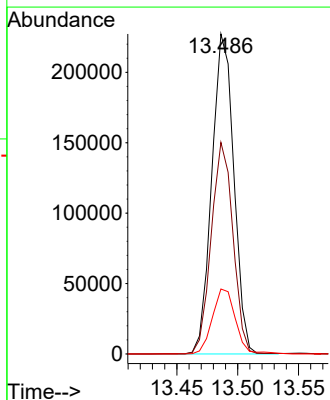
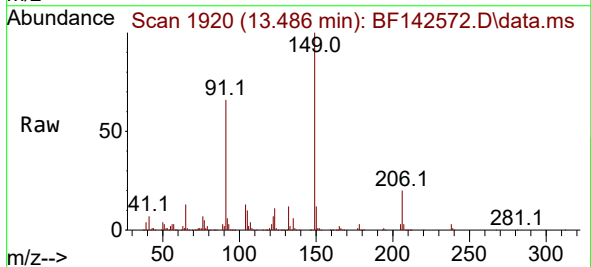
Instrument :
 BNA_F
 ClientSampleId :
 TP-54MSD

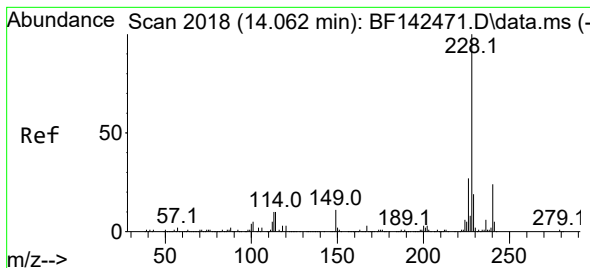
Tgt Ion:244 Resp: 787087
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 11.1 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 54.303 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142572.D
 Acq: 30 May 2025 16:19

Tgt Ion:149 Resp: 285871
 Ion Ratio Lower Upper
 149 100
 91 66.1 52.9 79.3
 206 20.3 16.2 24.2





#81

Benzo(a)anthracene

Concen: 43.758 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

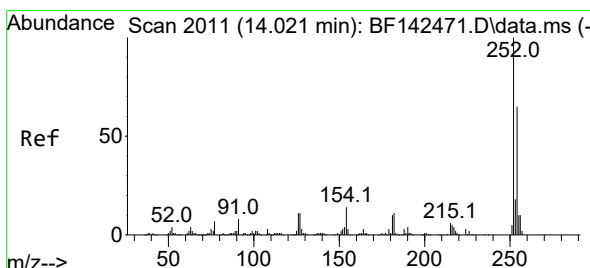
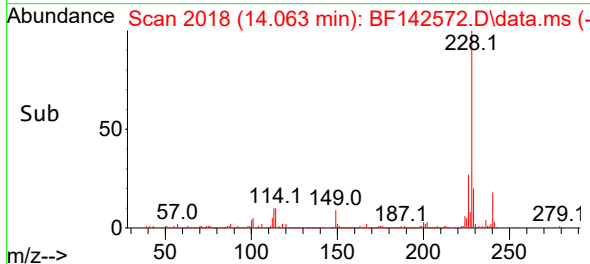
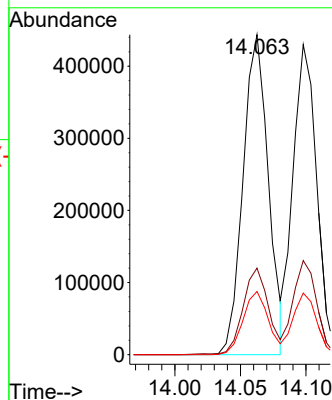
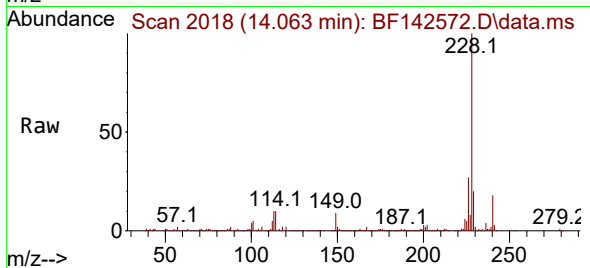
Tgt Ion:228 Resp: 596751

Ion Ratio Lower Upper

228 100

226 27.1 21.2 31.8

229 19.7 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 21.511 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

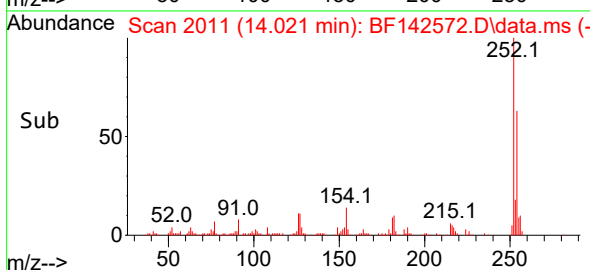
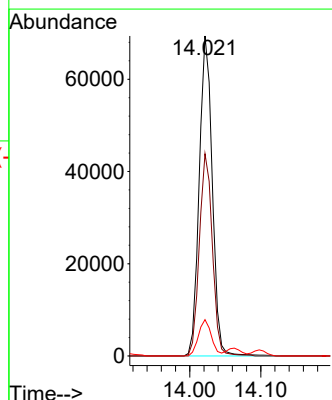
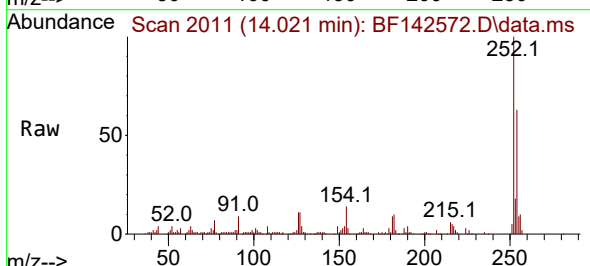
Tgt Ion:252 Resp: 88980

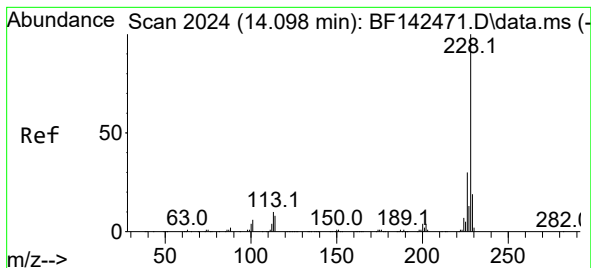
Ion Ratio Lower Upper

252 100

254 63.2 52.0 78.0

126 11.4 8.9 13.3





#83

Chrysene

Concen: 43.981 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

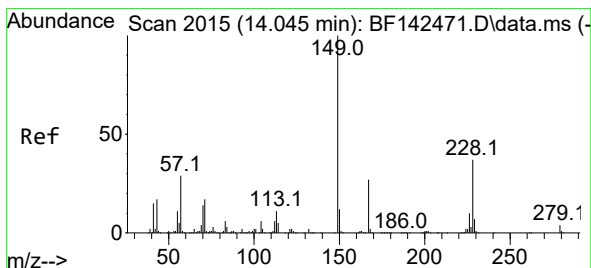
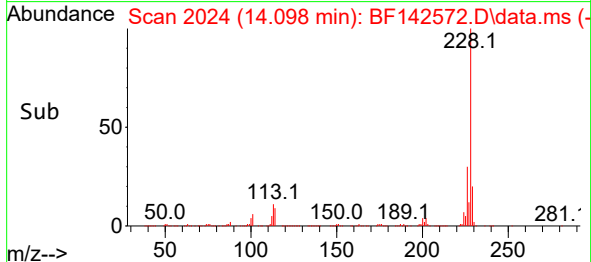
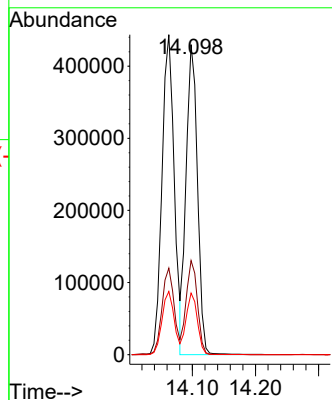
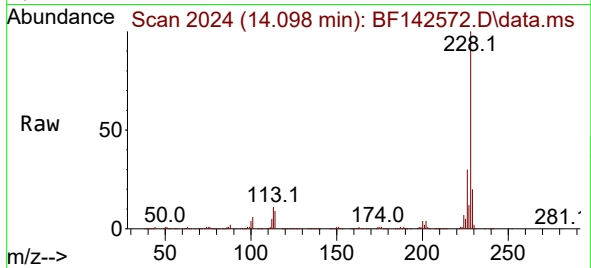
Tgt Ion:228 Resp: 538958

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 19.9 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.222 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

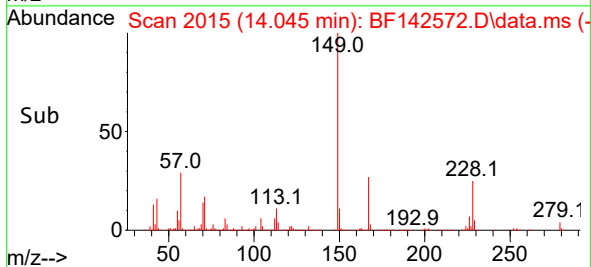
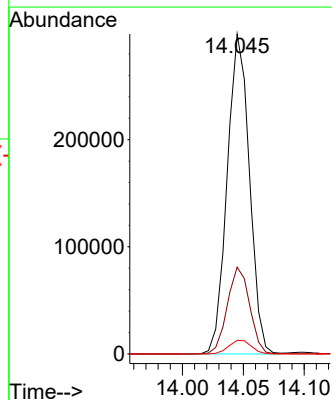
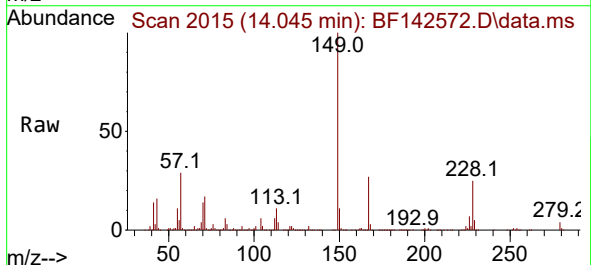
Tgt Ion:149 Resp: 378894

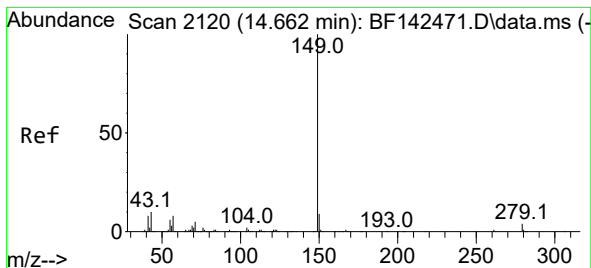
Ion Ratio Lower Upper

149 100

167 27.2 21.5 32.3

279 4.3 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 48.596 ng

RT: 14.663 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

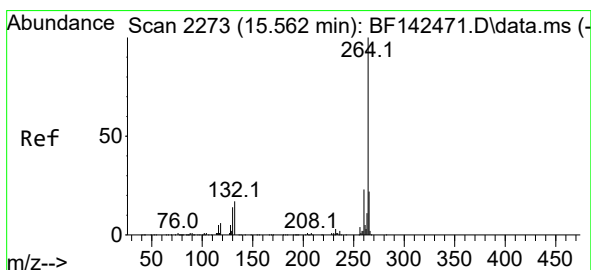
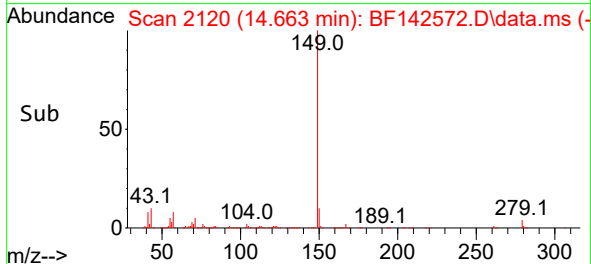
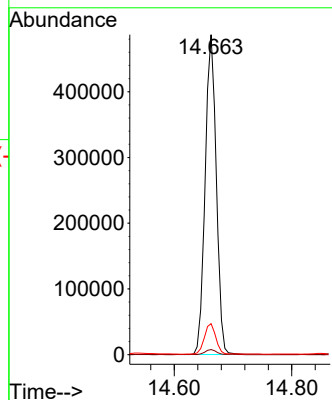
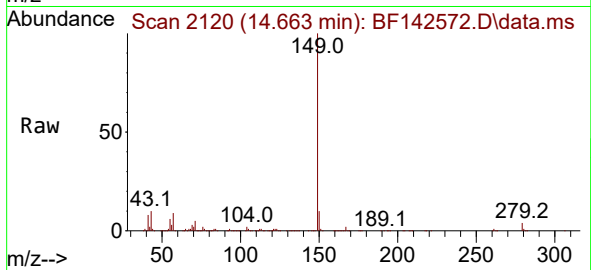
Tgt Ion:149 Resp: 640360

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

43 9.9 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

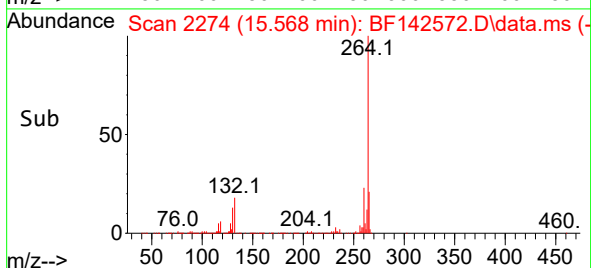
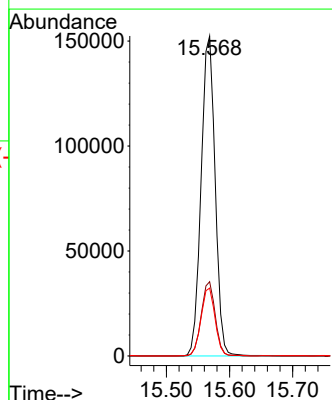
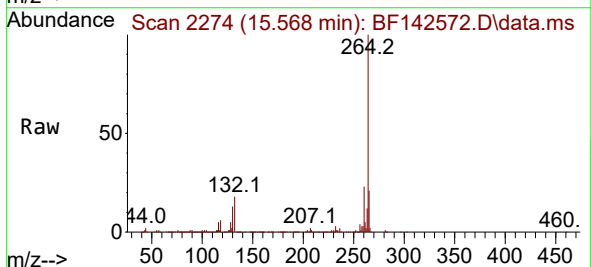
Tgt Ion:264 Resp: 234981

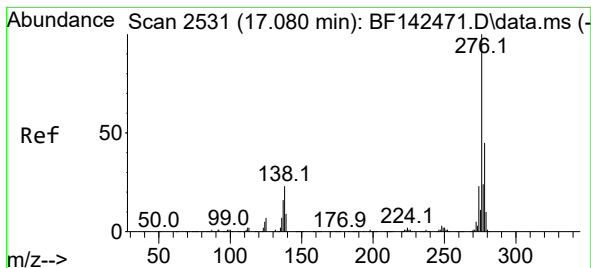
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.741 ng

RT: 17.086 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

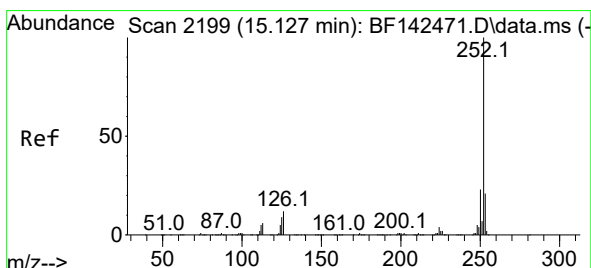
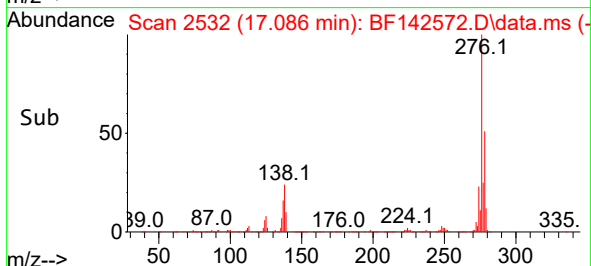
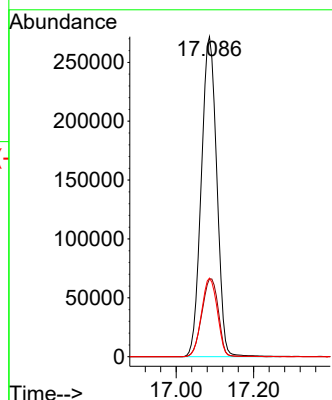
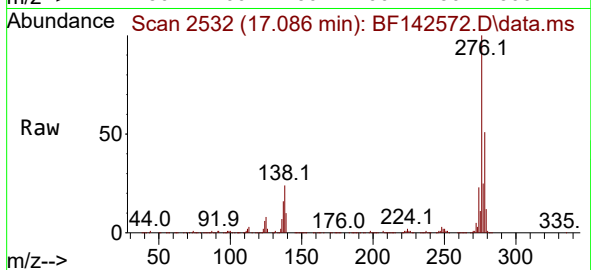
Tgt Ion:276 Resp: 753995

Ion Ratio Lower Upper

276 100

138 25.8 19.9 29.9

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 41.907 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

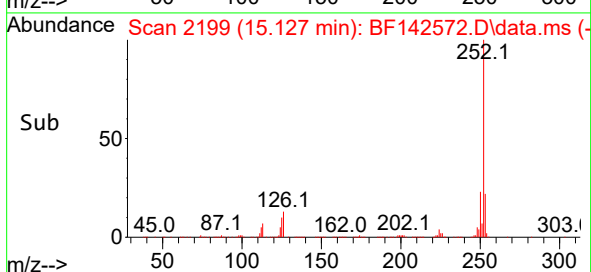
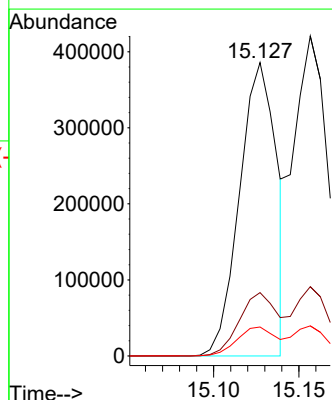
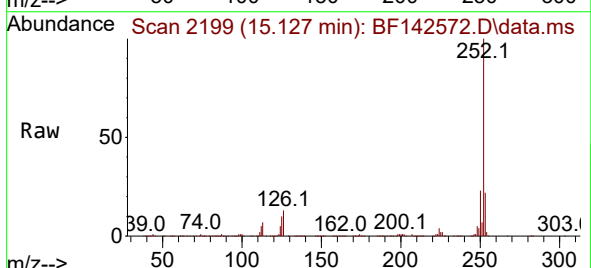
Tgt Ion:252 Resp: 582813

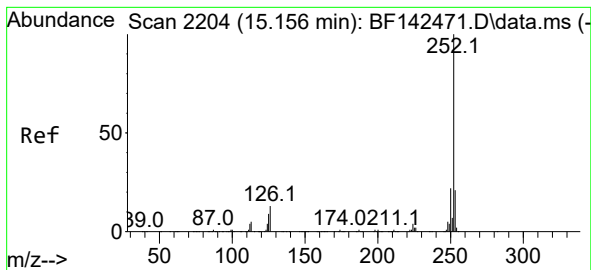
Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.4

125 9.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 45.559 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TP-54MSD

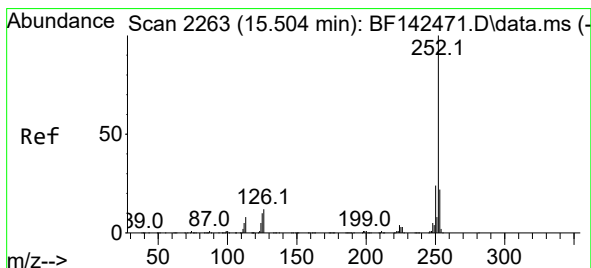
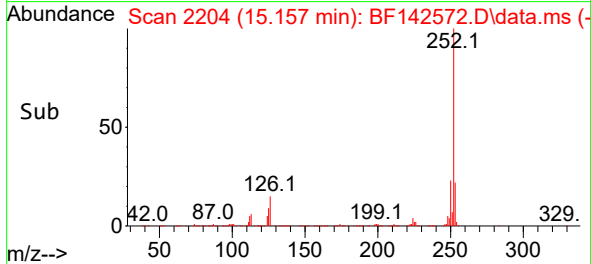
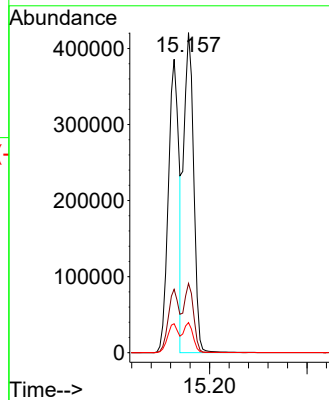
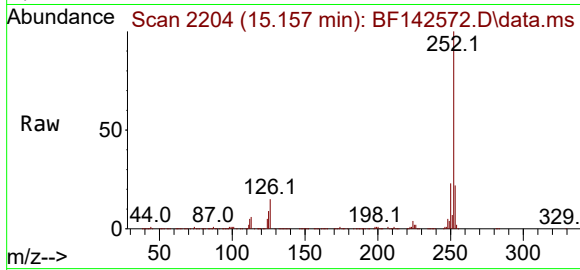
Tgt Ion:252 Resp: 593433

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.4

125 9.4 7.3 10.9



#90

Benzo(a)pyrene

Concen: 44.576 ng

RT: 15.504 min Scan# 2263

Delta R.T. -0.006 min

Lab File: BF142572.D

Acq: 30 May 2025 16:19

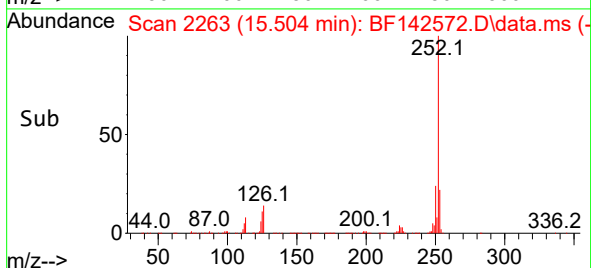
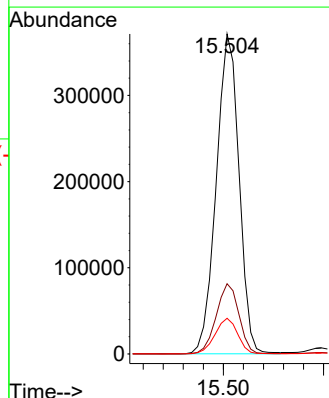
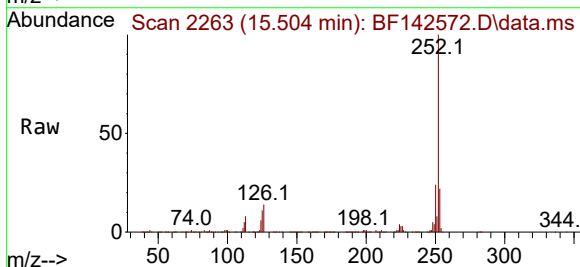
Tgt Ion:252 Resp: 584344

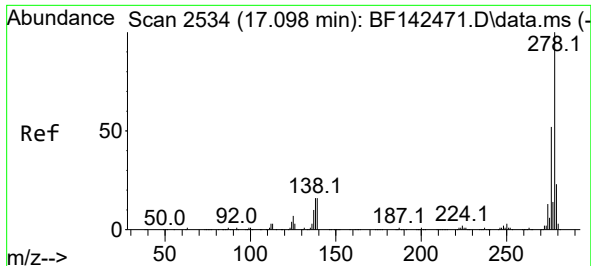
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 11.1 7.9 11.9

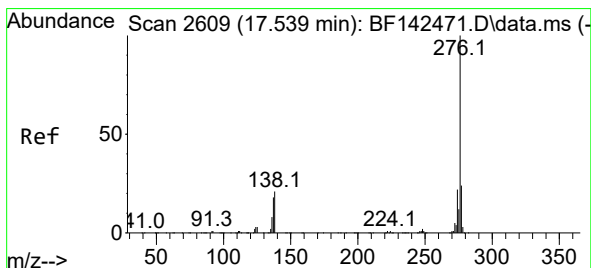
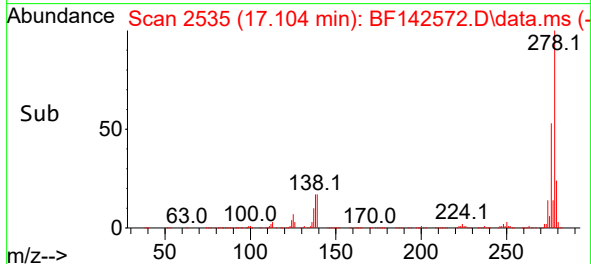
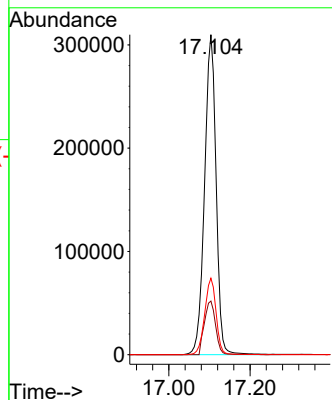
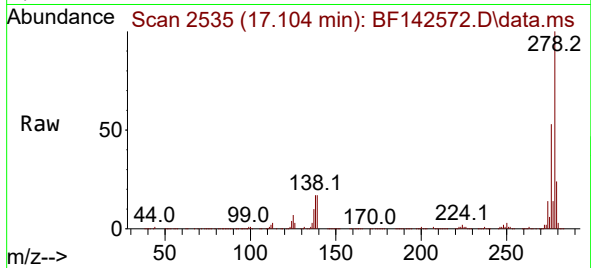




#91
Dibenzo(a,h)anthracene
Concen: 42.740 ng
RT: 17.104 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Tgt Ion:278 Resp: 611507
Ion Ratio Lower Upper
278 100
139 16.8 12.8 19.2
279 23.9 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 41.909 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142572.D
Acq: 30 May 2025 16:19

Tgt Ion:276 Resp: 599741
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 22.3 16.8 25.2

